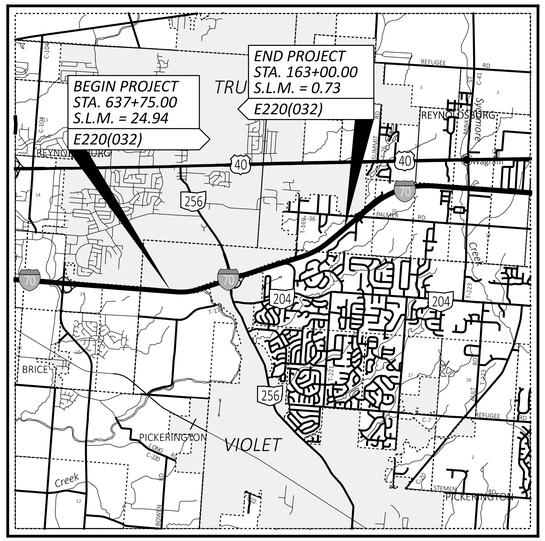
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

FAI/LIC-IR 70-0.00/0.00

CITY OF COLUMBUS
CITY OF PICKERINGTON
CITY OF REYNOLDSBURG
VIOLET TOWNSHIP
ETNA TOWNSHIP
FAIRFIELD AND LICKING COUNTIES



LOCATION MAP

LATITUDE: 39°56'08" LONGITUDE: 82°46'59"

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

	IR 70	CD ROAD EB/WB	SR 256	TAYLOR RD	SR 204	PALMER RD	TAYLOR RD SW
CURRENT ADT (2030)	56,680	19,370	53,910	18,460	19,000	3,400	15,490
DESIGN YEAR ADT (2050)	76,150	26,770	65,060	24,650	26,150	4,400	22,484
DESIGN HOURLY VOLUME (2050)	5,290	2,410	5,860	2,930	2,350	700	1,347
DIRECTIONAL DISTRIBUTION	50%	60%	55%	53%	51%	66%	50%
TRUCKS (24 HOUR B&C)	12%	4%	4%	3%	3%	4%	5%
DESIGN SPEED	70	60	45	45	45	45	35
LEGAL SPEED	65/70	55	40	45	45	45	35
DESIGN FUNCTIONAL CLASSIFICATION:	URBAN INTERSTATE	URBAN INTERSTATE	URBAN ARTERIAL	URBAN ARTERIAL	URBAN ARTERIAL	URBAN MAJOR COLLECTOR	URBAN ARTERIAL

NHS PROJECT — *YES*

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NOT REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:

AMERICAN STRUCTUREPOINT INC.
2550 CORPORATE EXCHANGE DR, STE 300
COLUMBUS, OH 43231
TEL 614.901.2235 FAX 614.901.2236
www.structurepoint.com

STANDARD CONSTRUCTION DRAWINGS	*SUPPLEMENTAL SPECIFICATIONS*	*SPECIAL PROVISIONS*

FEDERAL PROJECT NUMBER

E220(032)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

PROJECT CONSISTS OF THE IMPROVEMENT OF 3.15 MILES OF I.R. 70 INCLUDING AN ADDITIONAL THROUGH LANE IN THE EASTBOUND AND WESTBOUND DIRECTION, THE CONSTRUCTION OF A TWO-LANE COLLECTOR-DISTRIBUTOR ROAD IN THE EASTBOUND AND WESTBOUND DIRECTION, AND A NEW INTERCHANGE AT TAYLOR ROAD. PROJECT INCLUDES BRIDGE RECONSTRUCTION, RETAINING WALLS, LIGHTING, TRAFFIC SIGNAL INSTALLATION, DRAINAGE, AND TRAFFIC CONTROL.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	*ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	*ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	*ACRES*

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

Jason L. Sturgeon, P.E
District 05 Deputy Director

Pamela Boratyn
Director, Department of Transportation

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

ENGINEER'S SEAL	*ENGINEER'S SEAL*
ROADWAY	*BRIDGE*
ENGINEER'S SEAL	*ENGINEER'S SEAL*
RETAINING WALLS	*SIGNALS*

TITLE SHEET

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0001 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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TITLE

TITLE	P.0001
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TAYLOR ROAD	P.0070 - P.0077
MINOR ROADS	P.0078 - P.0088
BLACKLICK TRAIL	P.0089
MEDIAN U-TURNS	P.0090 - P.0091
GENERAL NOTES	P.0092 - P.0097

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INDEX OF SHEETS

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0002 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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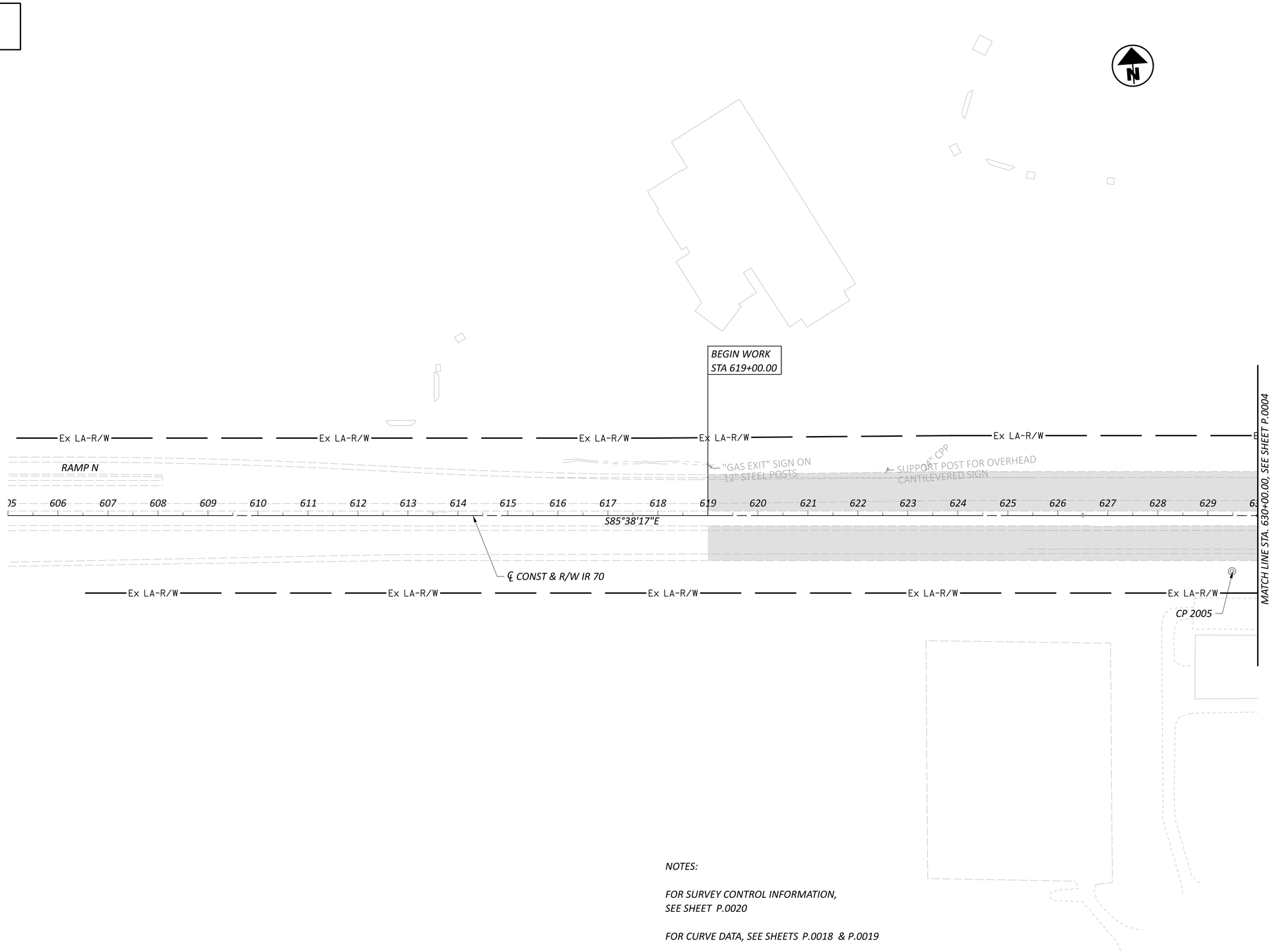
LEGEND

- OVERLAY/PLANING



NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

HORIZONTAL
SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 605+00.00 TO STA. 630+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0003 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND

- OVERLAY/PLANING

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 630+00.00 TO STA. 14+00.00

BEGIN PROJECT
STA 637+75.00
S.L.M. = 24.94
E220(032)

FRANKLIN COUNTY
FAIRFIELD COUNTY

℄ CONST & R/W IR 70

MATCH LINE STA. 630+00.00, SEE SHEET P.0003

MATCH LINE STA. 14+00, SEE SHEET P.0005

Ex LA-R/W

630 631 632 633 634 635 636 637 638 639 640 641 1 2 3 4 5 6 7 8 9 10 11 12 13 14

S85°38'17"E

90°27'00"

L.P.S.
CP 2006

NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0004 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND

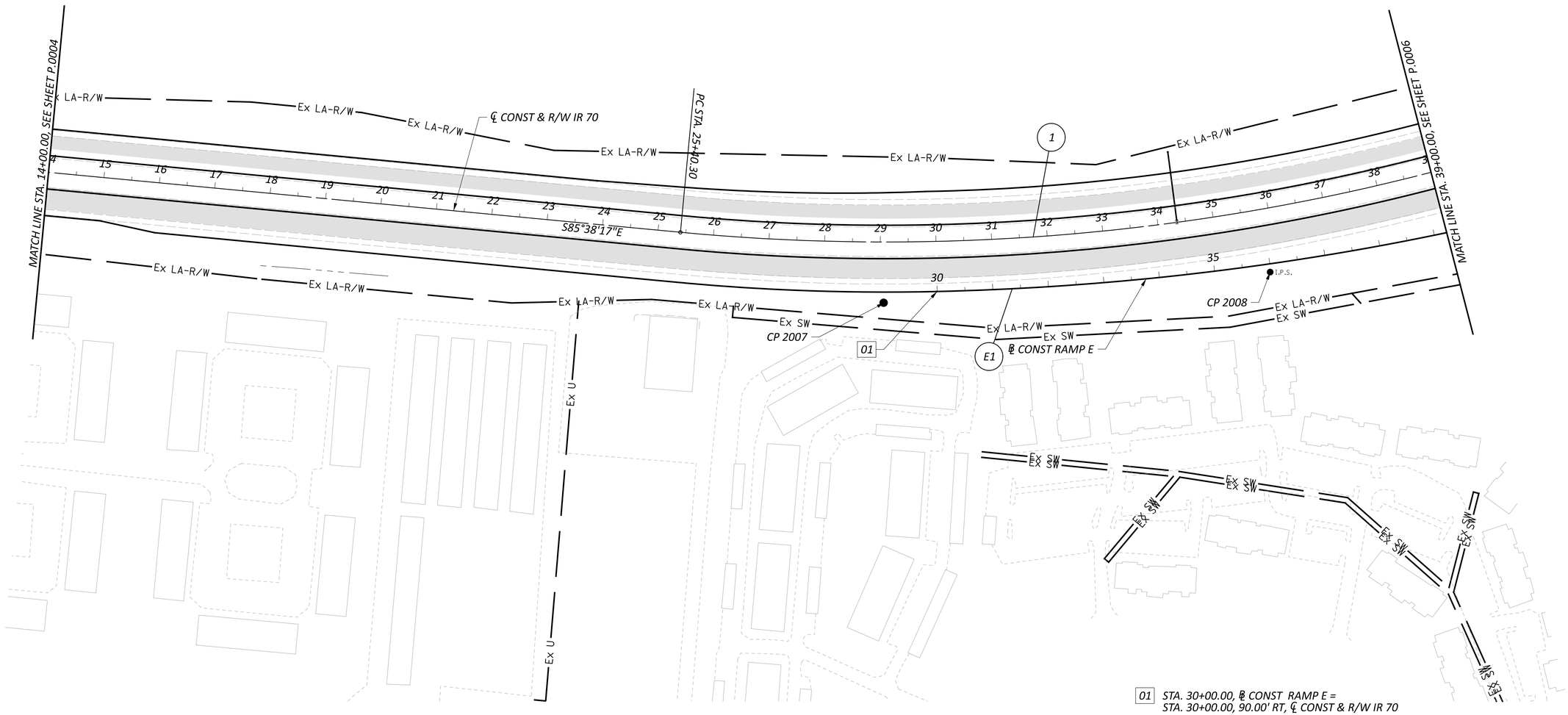
- OVERLAY/PLANING

NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.



01 STA. 30+00.00, ℄ CONST RAMP E =
STA. 30+00.00, 90.00' RT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 14+00.00 TO STA. 39+00.00

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0005
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND

- OVERLAY/PLANING
- PAVEMENT REMOVAL

NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.

11 STA. 66+93.83, ℄ CONST RAMP E = STA. 16+66.26, 45.93' LT, ℄ CONST & R/W SR 256

12 STA. 63+63.49, ℄ CONST & R/W IR 70 = STA. 24+99.69, ℄ CONST & R/W SR 256

13 STA. 63+50.82, ℄ CONST RAMP K = STA. 24+13.81, ℄ CONST & R/W SR 256

14 STA. 43+45.51, ℄ CONST RAMP D = STA. 23+88.25, ℄ CONST & R/W SR 256

15 STA. 80+09.68, ℄ CONST RAMP D = STA. 19+01.60, ℄ CONST & R/W SR 256

16 STA. 60+28.84, ℄ CONST RAMP C = STA. 18+58.60, ℄ CONST & R/W SR 256

02 STA. 43+00.00, ℄ CONST RAMP K = STA. 43+00.00, 90.00' RT, ℄ CONST & R/W IR 70

03 STA. 3+53.93, ℄ CONST BLACKLICK TRAIL = STA. 44+41.51, ℄ CONST & R/W IR 70

04 STA. 2+63.93, ℄ CONST BLACKLICK TRAIL = STA. 44+41.51, ℄ CONST RAMP K

05 STA. 2+27.93, ℄ CONST BLACKLICK TRAIL = STA. 44+68.43, ℄ CONST RAMP E

06 STA. 47+26.92, ℄ CONST RAMP E = STA. 47+26.92, 12.00' RT, ℄ CONST RAMP E

07 STA. 48+82.50, ℄ CONST RAMP A = STA. 48+82.50, 78.00' LT, ℄ CONST & R/W IR 70

08 STA. 60+00.00, ℄ CONST RAMP D = STA. 59+94.80, 108.00' RT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 39+00.00 TO STA. 64+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0006 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND

- OVERLAY/PLANING

MATCH LINE STA. 35+00.00, SEE SHEET P.0014

MATCH LINE STA. 64+00.00, SEE SHEET P.0006

MATCH LINE STA. 89+00.00, SEE SHEET P.0008

NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.

℄ CONST & R/W SR 256

℄ CONST & R/W IR 70

℄ CONST RAMP A

℄ CONST RAMP B

℄ CONST RAMP C

℄ CONST RAMP D

℄ CONST RAMP H

℄ CONST RAMP K

99°58'43"

87°00'00"

N87°29'46"E

N72°29'31"E

N71°20'46"E

S°84'31'35"W

N°84'31'35"E

N23°05'43"E

PC STA. 67+21.89

PT STA. 68+41.36

PC STA. 70+44.26

CS STA. 66+85.33

SC STA. 68+85.33

CS STA. 75+47.39

ST STA. 77+47.39

PC STA. 73+36.01

CP 2009

PT STA. 77+22.13

CP 2010

STRUCTURE NO. FAI-00070-01.190 L

STRUCTURE NO. FAI-00070-01.190 R

STRUCTURE NO. FAI-00070-01.190

09 STA. 64+80.85, ℄ CONST RAMP A = STA. 28+33.41, ℄ CONST & R/W SR 256

10 STA. 64+09.09, ℄ CONST RAMP B = STA. 28+25.00, ℄ CONST & R/W SR 256

18 STA. 72+50.00, ℄ CONST RAMP H = STA. 72+50.00, 95.00' LT, ℄ CONST & R/W IR 70

19 STA. 77+22.13, ℄ CONST RAMP B = STA. 77+22.13, 107.00' LT, ℄ CONST & R/W IR 70

20 STA. 84+00.00, ℄ CONST RAMP C = STA. 84+00.00, 112.00' RT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET

0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 64+00.00 TO STA. 89+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB005 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:15:48 PM USER: brieder
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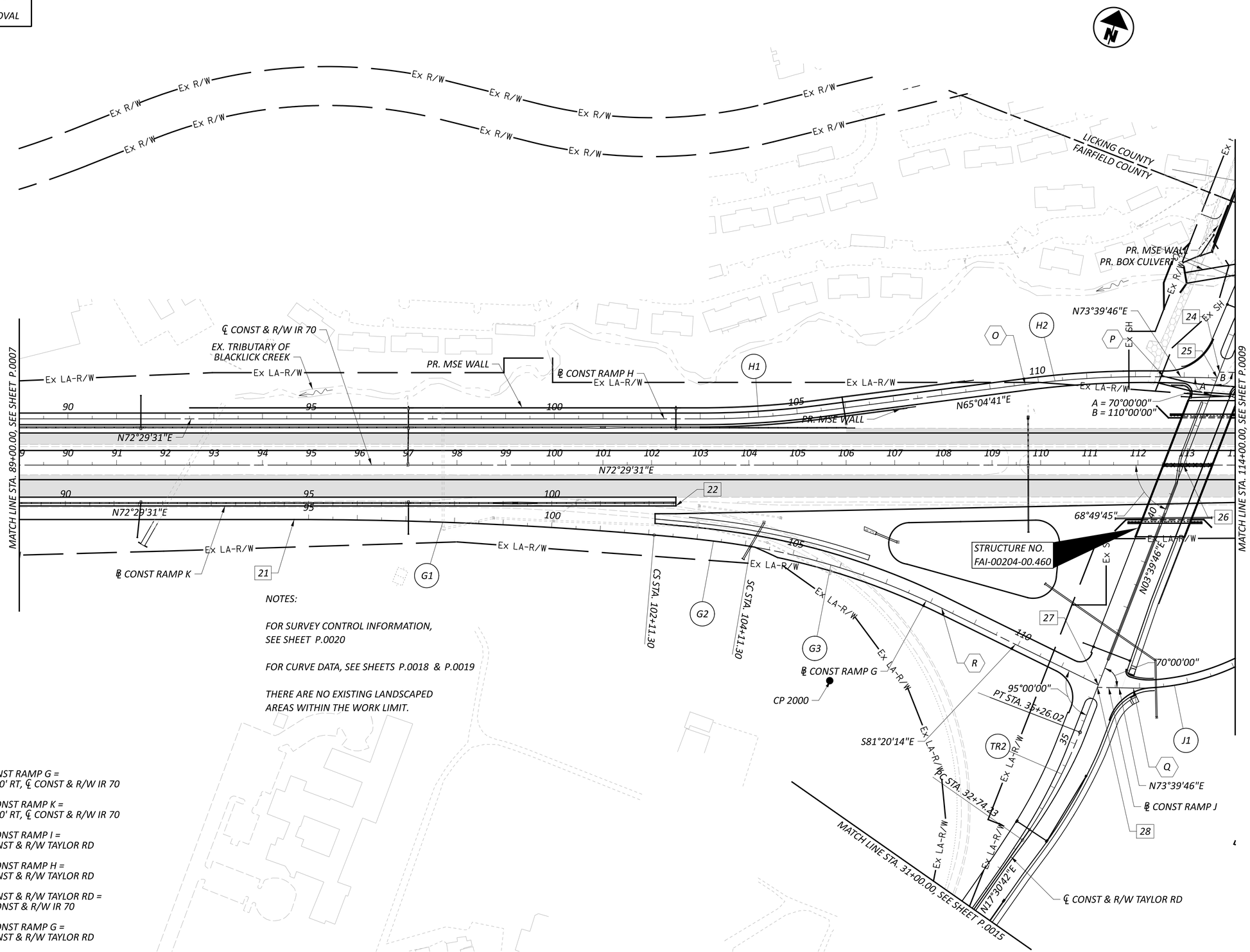
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0007
TOTAL	P.1556

LEGEND

- OVERLAY/PLANING
- PAVEMENT REMOVAL



NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.

21 STA. 94+70.40, ℄ CONST RAMP G = STA. 94+65.20, 112.00' RT, ℄ CONST & R/W IR 70

22 STA. 102+55.20, ℄ CONST RAMP K = STA. 102+50.00, 84.00' RT, ℄ CONST & R/W IR 70

24 STA. 114+03.78, ℄ CONST RAMP I = STA. 43+20.00, ℄ CONST & R/W TAYLOR RD

25 STA. 113+68.11, ℄ CONST RAMP H = STA. 43+07.23, ℄ CONST & R/W TAYLOR RD

26 STA. 41+15.09, ℄ CONST & R/W TAYLOR RD = STA. 112+93.76, ℄ CONST & R/W IR 70

27 STA. 111+84.30, ℄ CONST RAMP G = STA. 36+30.00, ℄ CONST & R/W TAYLOR RD

28 STA. 110+13.40, ℄ CONST RAMP J = STA. 36+25.00, ℄ CONST & R/W TAYLOR RD

HORIZONTAL SCALE IN FEET 0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 89+00.00 TO STA. 114+00.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0008 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND

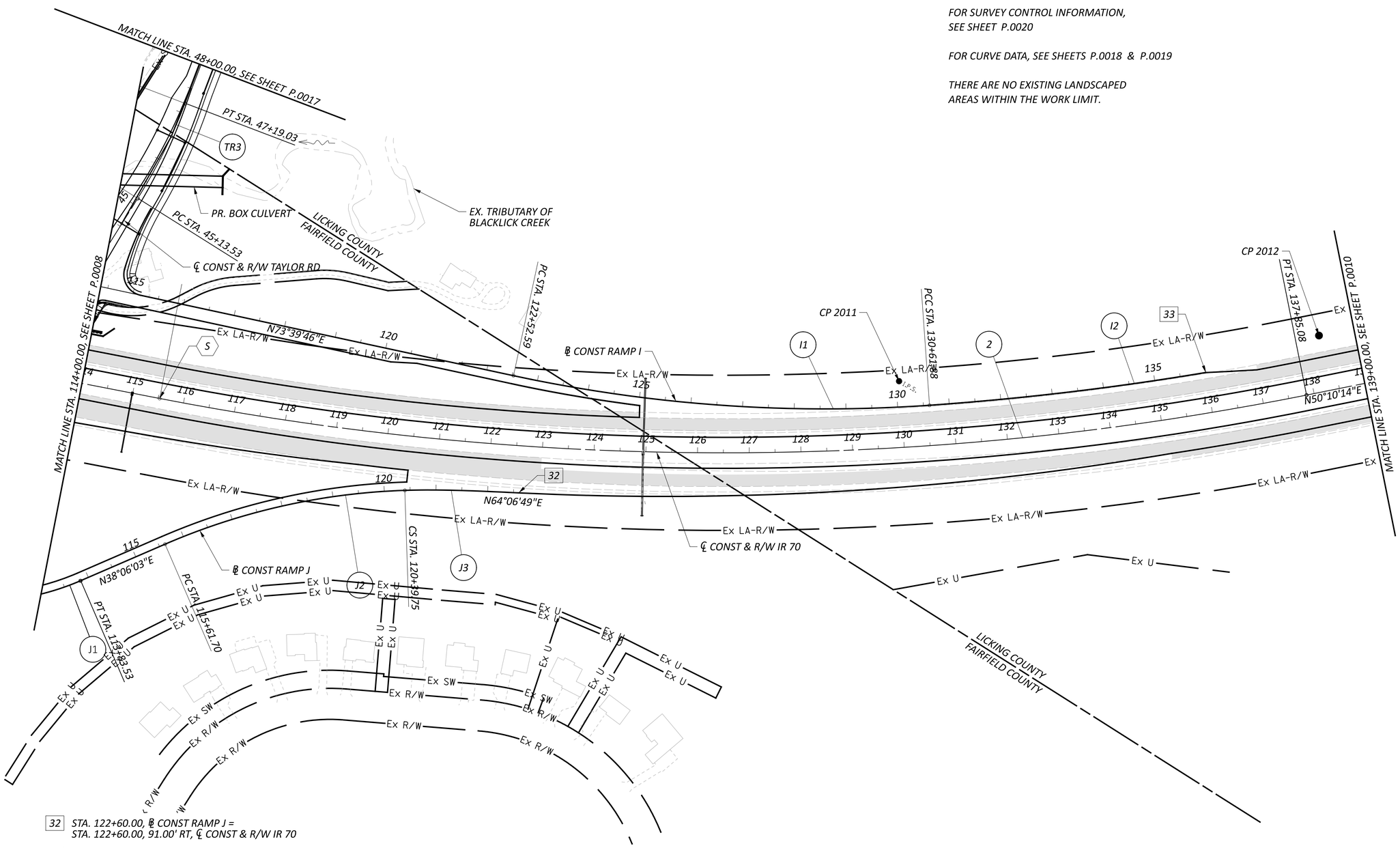
- OVERLAY/PLANING

NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.



32 STA. 122+60.00, ℄ CONST RAMP J = STA. 122+60.00, 91.00' RT, ℄ CONST & R/W IR 70

33 STA. 136+00.00, ℄ CONST RAMP I = STA. 136+00.00, 78.00' LT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET 0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 114+00.00 TO STA. 139+00.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0009 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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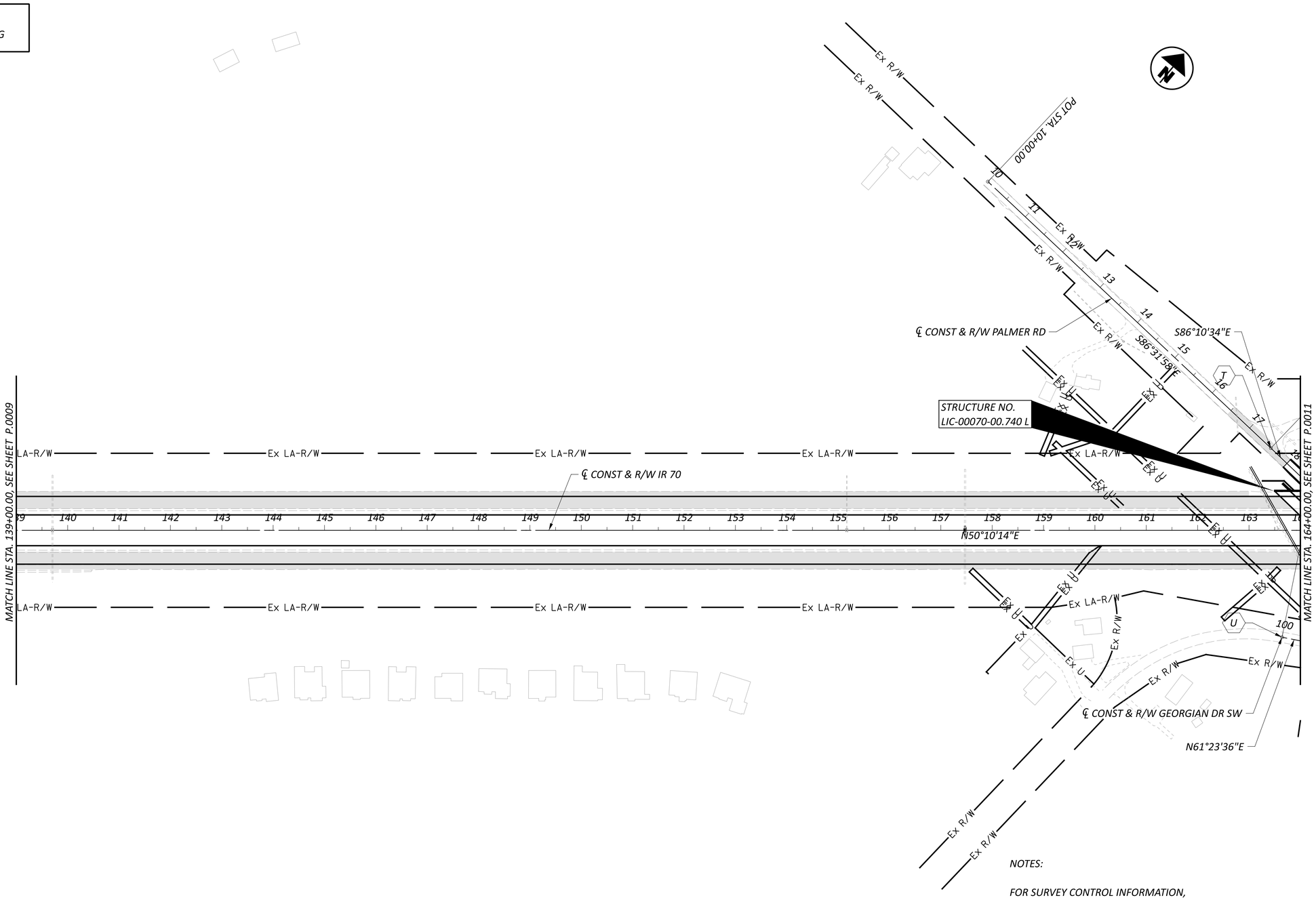

NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

HORIZONTAL
SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 139+00.00 TO STA. 164+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB008 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:16:59 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

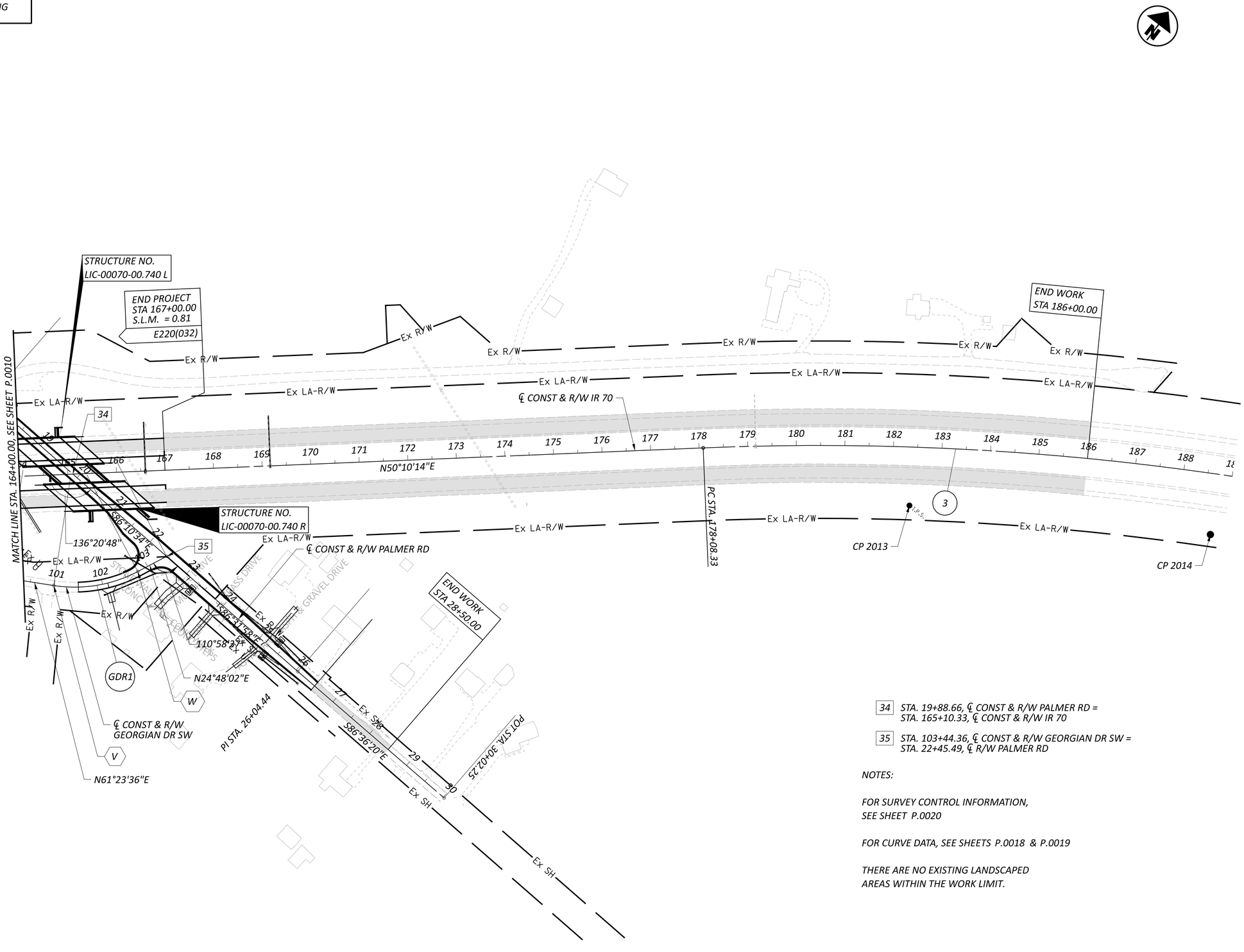
DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0010
TOTAL	P.1556

LEGEND

- OVERLAY/PLANING

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - IR 70
STA. 164+00.00 TO STA. 189+00.00



34 STA. 19+88.66, ℄ CONST & R/W PALMER RD = STA. 165+10.33, ℄ CONST & R/W IR 70

35 STA. 103+44.36, ℄ CONST & R/W GEORGIAN DR SW = STA. 22+45.49, ℄ R/W PALMER RD

NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.

DESIGN AGENCY
MPEAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

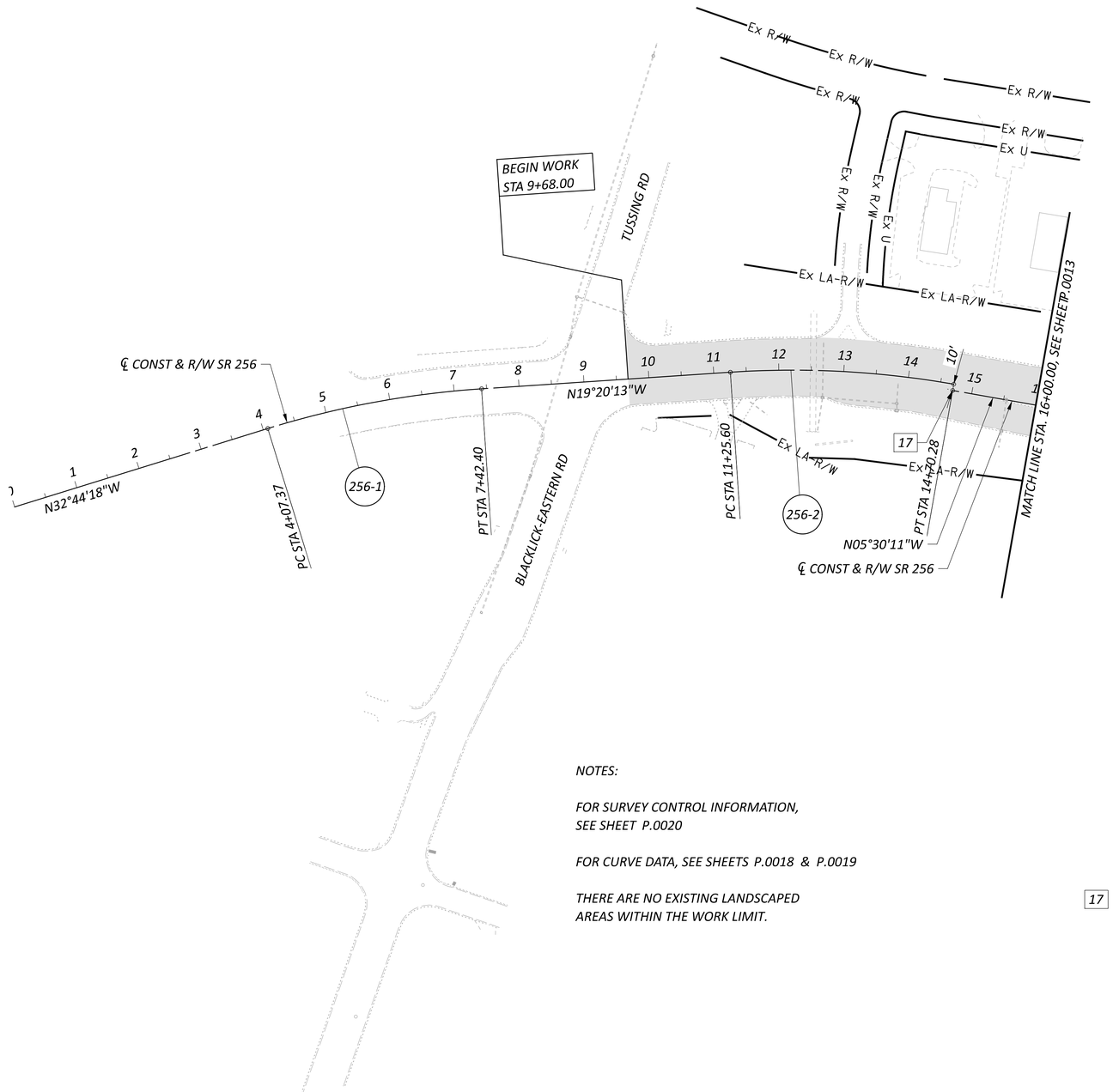
SHEET P.0011 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB009 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:17:17 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GB009.dgn

LEGEND

- OVERLAY/PLANING



NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

17 STA. 14+70.28, ℄ CONST & R/W SR 256 =
STA. 14+70.28, 9.77' RT ℄ CONST & R/W SR 256

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - SR 256
STA. 0+00.00 TO STA. 16+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0012 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB010 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:17:35 PM USER: brieder
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NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

MATCH LINE STA 16+00.00, SEE SHEET P.0012

MATCH LINE STA 35+00.00, SEE SHEET P.0014

HORIZONTAL
SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - SR 256
STA 16+00.00 TO STA 35+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

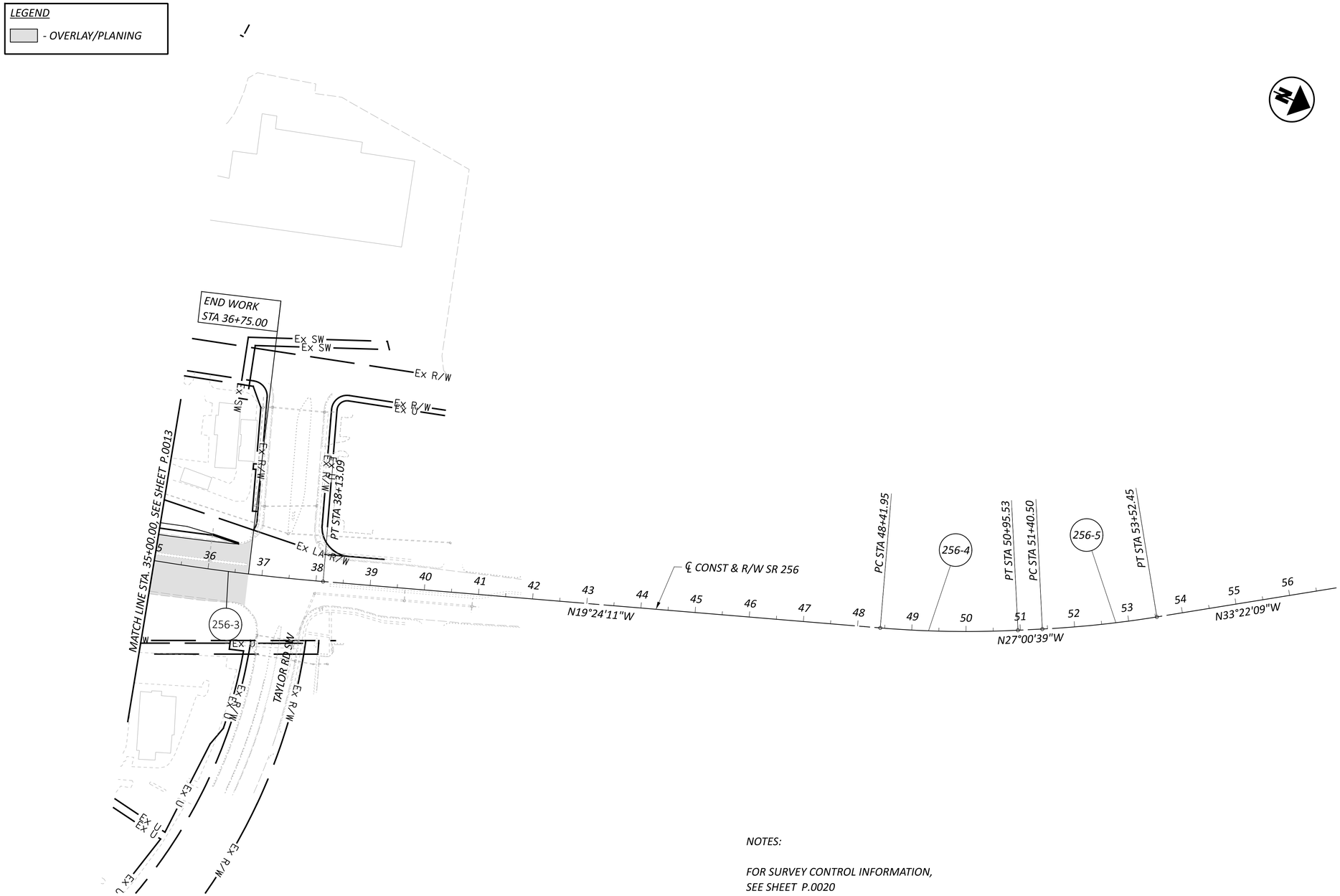
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0013 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - Plan 1-1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:17:54 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GB015.dgn



NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - SR 256
STA. 35+00.00 TO STA. 56+86.76

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0014 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB011 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:18:13 PM USER: brieder
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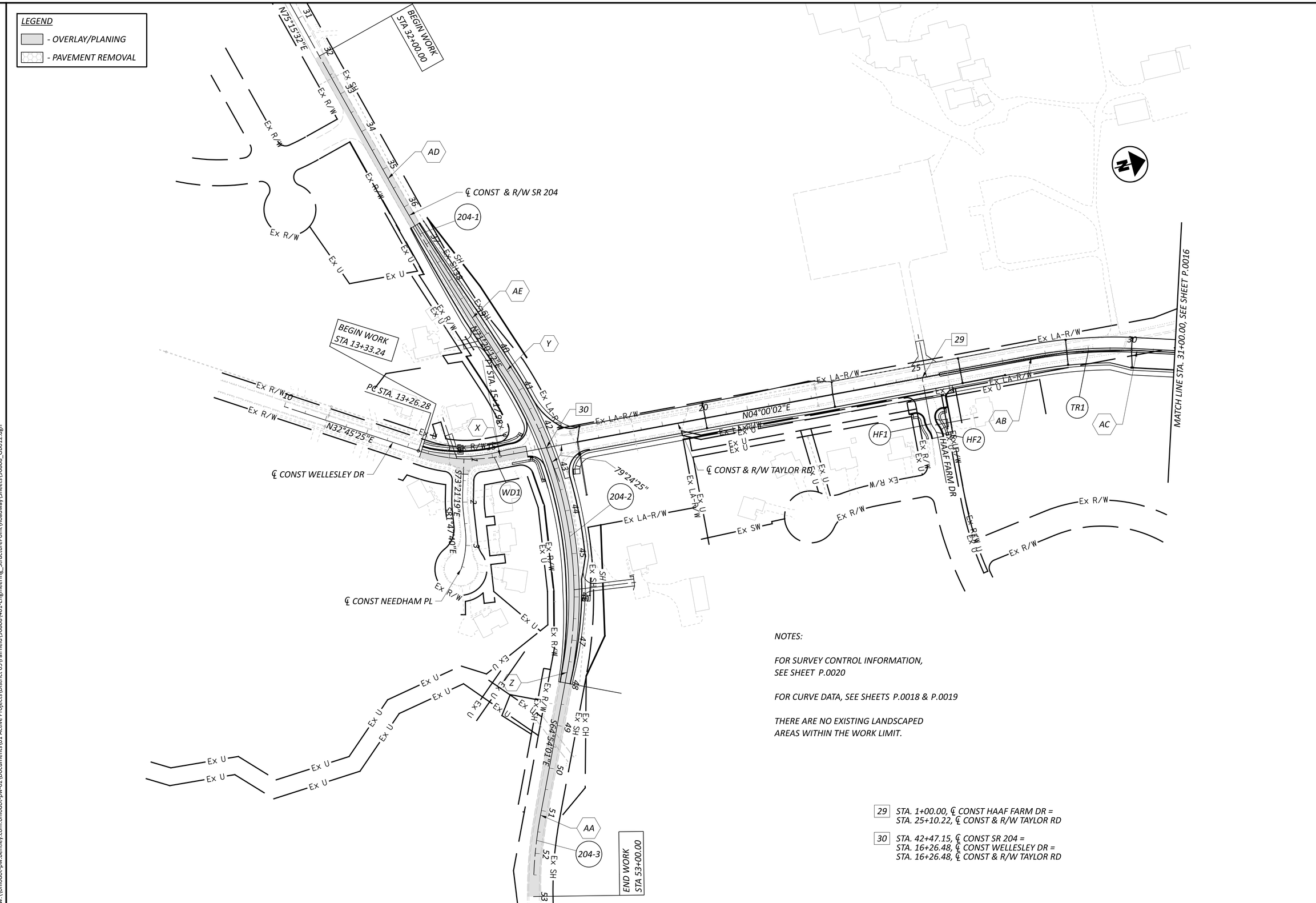

NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.

29 STA. 1+00.00, ℄ CONST HAAF FARM DR = STA. 25+10.22, ℄ CONST & R/W TAYLOR RD

30 STA. 42+47.15, ℄ CONST SR 204 = STA. 16+26.48, ℄ CONST WELLESLEY DR = STA. 16+26.48, ℄ CONST & R/W TAYLOR RD

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - TAYLOR RD
STA. 10+00.00 TO STA. 31+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0015 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB012 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:18:27 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:18:53 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GB016.dgn

SCHEMATIC PLAN - TAYLOR RD
STA 31+00.00 TO STA 48+00.00

HORIZONTAL SCALE IN FEET
0 50 100 200

NOTES:

FOR SURVEY CONTROL INFORMATION, SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMIT.

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0016 TOTAL P.1556

LEGEND

- PAVEMENT REMOVAL

LICKING COUNTY
FAIRFIELD COUNTY

Ex R/W

BEGIN WORK
STA 8+90.00

PC STA. 10+28.18

N58°37'51"E

18

TR1-1

Ex R/W

Ex R/W

℄ CONST TAYLOR RD SW

PRC STA. 12+50.80

TR1-2

N86°06'17"E

Ex R/W

15

PT STA. 15+19.00

50

Ex SH

55

Ex SH

60

Ex R/W

65

Ex R/W

70

Ex R/W

Ex R/W

N07°38'23"W

N03°50'07"E

Ex R/W

Ex R/W

Ex R/W

MATCH LINE STA. 48+00.00, SEE SHEET P.0016

23

PC STA. 50+31.92

PT STA. 52+40.56

TR4

℄ CONST & R/W TAYLOR RD

END WORK
STA 61+00.00

23 STA. 15+74.78, ℄ CONST TAYLOR RD SW =
STA. 51+00.00, ℄ CONST & R/W TAYLOR RD

NOTES:

FOR SURVEY CONTROL INFORMATION,
SEE SHEET P.0020

FOR CURVE DATA, SEE SHEETS P.0018 & P.0019

THERE ARE NO EXISTING LANDSCAPED
AREAS WITHIN THE WORK LIMIT.

HORIZONTAL
SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN - TAYLOR RD
STA. 48+00.00 TO STA. 72+94.88

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0017 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GB013 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:19:21 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GB013.dgn

1 **CURVE DATA IR 70**
P.I. = STA. 32+93.91
Δ = 21°52'12" LT
Dc = 01°28'08"
R = 3,900.61'
T = 753.61'
L = 1,488.88'
E = 72.13'
Emax = 0.063

2 **CURVE DATA IR 70**
P.I. = STA. 126+83.38
Δ = 22°19'17" LT
Dc = 01°00'00"
R = 5,729.42'
T = 1,130.37'
L = 2,232.07
E = 110.44'
Emax = 0.042

3 **CURVE DATA IR 70**
P.I. = STA. 201+17.90
Δ = 43°54'30" RT
Dc = 01°00'00"
R = 5,729.58'
T = 2,309.57'
L = 4,390.83'
E = 447.98'
P.T. = STA. 221+99.16
Emax = 0.02

256-1 **CURVE DATA SR 256**
P.I. = STA. 5+75.65
Δ = 13°24'05" RT
Dc = 04°00'00"
R = 1,432.39
T = 168.29'
L = 335.03'
E = 9.85'
Emax = 0.024

256-2 **CURVE DATA SR 256**
P.I. = STA. 12+98.78
Δ = 13°47'14" RT
Dc = 04°00'00"
R = 1,432.39'
T = 173.18'
L = 344.68
E = 10.43'
Emax = 0.024

256-3 **CURVE DATA SR 256**
P.I. = STA. 33+41.57
Δ = 13°54'00" LT
Dc = 01°28'00"
R = 3,906.53'
T = 476.20'
L = 947.73'
E = 28.92'
Emax = NC

256-4 **CURVE DATA SR 256**
P.I. = STA. 49+68.93
Δ = 07°36'27" LT
Dc = 03°00'00"
R = 1,909.86'
T = 126.98'
L = 253.58'
E = 4.22'
Emax = 0.018

256-5 **CURVE DATA SR 256**
P.I. = STA. 52+46.59
Δ = 06°21'30" LT
Dc = 03°00'00"
R = 1,909.86'
T = 106.08'
L = 211.94'
E = 2.94'
Emax = 0.018

BT1 **CURVE DATA BLACKLICK TRAIL**
P.I. = STA. 4+89.01
Δ = 77°39'45" LT
Dc = 138°00'00"
R = 41.52'
T = 33.42'
L = 56.28'
E = 11.78'

BT2 **CURVE DATA BLACKLICK TRAIL**
P.I. = STA. 5+77.25'
Δ = 06°22'41" RT
Dc = 14°00'00"
R = 409.26'
T = 22.80'
L = 45.56'
E = 0.63'

A1 **SPIRAL DATA RAMP A**
P.I. = STA. 56+66.36
Ls = 200.00'
Θs = 07°00'00"
LT = 133.44
ST = 66.76
x = 199.70'
y = 8.14'
k = 99.95'
p = 2.04'
C = 199.87'
TS = STA. 55+32.92
SC = STA. 57+32.92
C.B. = N69°00'47"E

A2 **CURVE DATA RAMP A**
P.I. = STA. 58+96.89
Δ = 22°39'20" LT
Dc = 07°00'00"
R = 818.51'
T = 163.97'
L = 323.65'
E = 16.23'
Emax = 0.058
DS = 45 MPH

A3 **CURVE DATA RAMP A**
P.I. = STA. 62+96.52
Δ = 32°49'39" RT
Dc = 13°00'00"
R = 440.74'
T = 129.83'
L = 252.52'
E = 18.72'
Emax = 0.058
DS = 35 MPH

B1 **CURVE DATA RAMP B**
P.I. = STA. 72+24.84
Δ = 15°00'18" LT
Dc = 01°30'00"
R = 3,819.72'
T = 503.04'
L = 1,000.33,
E = 32.98'
Emax = 0.037
DS = 60 MPH

C1 **CURVE DATA RAMP C**
P.I. = STA. 66+12.97
Δ = 61°25'52" LT
Dc = 11°59'35"
R = 477.74'
T = 283.84'
L = 512.22'
E = 77.96'
Emax = 0.057
DS = 35 MPH

C2 **CURVE DATA RAMP C**
P.I. = STA. 73+06.71
Δ = 40°15'03" RT
Dc = 08°00'00"
R = 716.20'
T = 262.45'
L = 503.13'
E = 46.57'
Emax = 0.06
DS = 45 MPH

C3 **SPIRAL DATA RAMP C**
P.I. = STA. 76+14.18
Ls = 200.00'
Θs = 08°00'00"
LT = 133.47'
ST = 66.79'
x = 198.96'
y = 18.58
k = 99.94
p = 2.33
C = 199.83'
START = STA. 75+47.39
END = STA. 77+47.39
C.B. = N68°40'48"E

D1 **CURVE DATA RAMP D**
P.I. = STA. 64+71.81
Δ = 06°24'44" RT
Dc = 01°30'00"
R = 3,819.72'
T = 213.96'
L = 427.47'
E = 5.99'
Emax = 0.037
DS = 60 MPH

D2 **SPIRAL DATA RAMP D**
P.I. = STA. 68+16.36
Ls = 200.00'
Θs = 26°00'00"
LT = 131.03'
ST = 71.92'
x = 195.68'
y = 31.53
k = 93.16'
p = 6.65
C = 198.20'
START = STA. 66+85.33
END = STA. 68+85.33
C.B. = N88°03'26"E

D3 **CURVE DATA RAMP D**
P.I. = STA. 72+21.91
Δ = 110°25'00" RT
Dc = 24°30'00"
R = 233.86'
T = 336.59'
L = 450.68'
E = 175.99'
Emax = 0.06
DS = 30 MPH

D4 **CURVE DATA RAMP D**
P.I. = STA. 75+35.07
Δ = 49°12'20" RT
Dc = 13°10'46"
R = 434.74'
T = 199.07'
L = 373.35'
E = 43.41'
Emax = 0.051
DS = 30 MPH

E1 **CURVE DATA RAMP E**
P.I. = STA. 36+67.58
Δ = 15°07'03" LT
Dc = 01°08'20"
R = 5,030.86'
T = 667.58'
L = 1,327.40
E = 44.10'
Emax = 0.037
DS = 70 MPH

E2 **CURVE DATA RAMP E**
P.I. = STA. 54+38.23
Δ = 06°32'15" RT
Dc = 00°45'00"
R = 7,639.44'
T = 436.31'
L = 871.68'
E = 12.45'
Emax = 0.021
DS = 60 MPH

E3 **SPIRAL DATA RAMP E**
P.I. = STA. 60+05.89
Ls = 200.00'
Θs = 22°45'00"
LT = 132.29'
ST = 69.91'
x = 196.76'
y = 27.04'
k = 96.05'
p = 6.15'
C = 198.61'
START = STA. 58+73.60
END = STA. 60+73.60
C.B. = N86°51'12"E

E4 **CURVE DATA RAMP E**
P.I. = STA. 61+59.47
Δ = 36°29'50" RT
Dc = 22°00'00"
R = 260.44'
T = 85.87'
L = 165.90'
E = 13.79'
Emax = 0.052
DS = 25 MPH

E5 **SPIRAL DATA RAMP E**
P.I. = STA. 63+17.94
Ls = 200.00'
Θs = 26°00'00"
LT = 124.72'
ST = 78.44'
x = 190.55'
y = 54.68'
k = 81.06'
p = 5.21'
C = 198.23'
START = STA. 62+39.49
END = STA. 64+39.49
C.B. = S25°42'46"E

E6 **CURVE DATA RAMP E**
P.I. = STA. 65+67.00
Δ = 10°10'24" RT
Dc = 04°00'00"
R = 1,432.39'
T = 127.50'
L = 254.33'
E = 5.66'
Emax = NC
DS = 45 MPH (202-9)

CURVE DATA

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:19:44 PM USER: brteder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GB017.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0018 TOTAL P.1556

G1
CURVE DATA RAMP G
P.I. = STA. 98+41.08
Δ = 04°56'22" RT
Dc = 00°40'00"
R = 8,594.37'
T = 370.68'
L = 740.90'
E = 7.99'
Emax = 0.020
DS = 60 MPH

G2
SPIRAL DATA RAMP G
P.I. = STA. 103+35.16
Ls = 200.00'
Θs = 04°40'00"
LT = 123.86'
ST = 76.24'
x = 199.85'
y = 6.20'
k = 83.31'
p = 0.97'
C = 199.94'
START = STA. 102+11.30
END = STA. 104+11.30
C.B. = N79°12'32"E

G3
CURVE DATA RAMP G
P.I. = STA. 106+19.81
Δ = 16°33'54" RT
Dc = 04°00'00"
R = 1,432.39'
T = 208.52'
L = 414.12'
E = 15.10'
Emax = 0.052
DS = 50 MPH

H1
CURVE DATA RAMP H
P.I. = STA. 104+23.74
Δ = 07°24'50" LT
Dc = 03°00'00"
R = 1,909.86'
T = 123.74'
L = 247.13'
E = 4.00'
Emax = 0.055
DS = 60 MPH

H2
CURVE DATA RAMP H
P.I. = STA. 111+15.77
Δ = 08°35'05" RT
Dc = 03°00'00"
R = 1,909.86'
T = 143.35'
L = 286.15'
E = 5.37'
Emax = 0.045
DS = 50 MPH

I1
CURVE DATA RAMP I
P.I. = STA. 126+59.95
Δ = 16°11'08" LT
Dc = 02°00'00"
R = 2,864.79'
T = 407.35'
L = 809.28'
E = 28.82'
Emax = 0.045
DS = 60 MPH

I2
CURVE DATA RAMP I
P.I. = STA. 133+31.14
Δ = 05°27'20" LT
Dc = 01°00'50"
R = 5,651.42'
T = 269.27'
L = 538.12'
E = 6.41'
Emax = 0.042 (MATCH IR 70)
DS = 70 MPH

J1
CURVE DATA RAMP J
P.I. = STA. 112+40.31
Δ = 35°33'43" LT
Dc = 12°00'00"
R = 477.46'
T = 153.12'
L = 296.35'
E = 23.95'
Emax = 0.057
DS = 35 MPH

J2
CURVE DATA RAMP J
P.I. = STA. 118+03.57
Δ = 21°30'45" RT
Dc = 04°30'00"
R = 1,273.24'
T = 241.88'
L = 478.06'
E = 22.77'
Emax = 0.054
DS = 50 MPH

J3
SPIRAL DATA RAMP J
P.I. = STA. 121+06.46
Ls = 200.00'
Θs = 04°30'00"
LT = 133.38'
ST = 66.71'
x = 199.67'
y = 10.46'
k = 99.98'
p = 1.31'
C = 199.95'
CS = STA. 120+39.75
PT = STA. 122+39.75
C.B. = N62°36'49"E

TR1
CURVE DATA TAYLOR RD
P.I. = STA. 28+90.31
Δ = 13°30'40" RT
Dc = 05°30'00"
R = 1,041.74'
T = 123.40'
L = 245.65'
E = 7.28'
Emax = NC

TR2
CURVE DATA TAYLOR RD
P.I. = STA. 34+00.74
Δ = 13°50'56" LT
Dc = 05°30'00"
R = 1,041.74'
T = 126.52'
L = 251.80'
E = 7.65'
Emax = NC

TR3
CURVE DATA TAYLOR RD
P.I. = STA. 46+16.62
Δ = 11°18'09" LT
Dc = 05°30'00"
R = 1,041.74'
T = 103.08'
L = 205.50'
E = 5.09'
Emax = NC

TR4
CURVE DATA TAYLOR RD
P.I. = STA. 51+36.59
Δ = 11°28'30" RT
Dc = 05°30'00"
R = 1,041.74'
T = 104.67'
L = 208.64'
E = 5.25'
Emax = NC

TR1-1
CURVE DATA TAYLOR RD SW
P.I. = STA. 11+39.95
Δ = 12°45'19" LT
Dc = 05°43'46"
R = 1,000.00'
T = 111.77'
L = 222.62'
E = 6.23'
Emax = NC

TR1-2
CURVE DATA TAYLOR RD SW
P.I. = STA. 13+90.69
Δ = 40°13'45"RT
Dc = 15°00'00"
R = 381.97'
T = 139.89'
L = 268.20'
E = 24.81'
Emax = NC

204-1
CURVE DATA SR 204
P.I. = STA. 37+12.90
Δ = 03°55'20" LT
Dc = 01°02'30"
R = 5,500.00'
T = 188.32'
L = 376.50'
E = 3.22'
Emax = 0.02

204-2
CURVE DATA SR 204
P.I. = STA. 44+29.49
Δ = 43°45'47" RT
Dc = 06°00'00"
R = 954.93'
T = 383.52'
L = 729.38'
E = 74.14'
Emax = 0.054

204-3
CURVE DATA SR 204
P.I. = STA. 53+63.63
Δ = 29°39'36" LT
Dc = 06°00'00"
R = 954.93'
T = 252.84'
L = 494.33'
E = 32.91'
Emax = 0.059

WD1
CURVE DATA WELLESLEY DR
P.I. = STA. 14+24.19
Δ = 28°45'22" LT
Dc = 15°00'00"
R = 381.97'
T = 97.92'
L = 191.71'
E = 12.35'
Emax = NC

GDR2
CURVE DATA - GEORGIAN DR SW
P.I. = STA. 101+91.35
Δ = 36°35'33" LT
Dc = 20°30'00"
R = 279.49'
T = 92.41'
L = 178.50'
E = 14.88'
eMAX = NC

HF1
CURVE DATA - HAAF FARM DR
P.I. = STA. 2+08.71
Δ = 25°50'31" LT
Dc = 114°35'30"
R = 50.00'
T = 11.47'
L = 22.55'
E = 1.30'
eMAX = NC

HF2
CURVE DATA - HAAF FARM DR
P.I. = STA. 2+31.26
Δ = 25°50'31" RT
Dc = 114°35'30"
R = 50.00'
T = 11.47'
L = 22.55'
E = 1.30'
eMAX = NC

A PT STA. 43+27.40
B POT STA. 1+00.00
C PC STA. 1+47.78
D PRC STA. 1+89.73
E PT STA. 2+16.26
F PC STA. 4+55.59
G PRC STA. 5+11.87
H PCC STA. 5+54.44
I POT STA. 6+00.00
J PT STA 64+19.21
K PC STA. 62+57.85
L PC STA. 28+65.36
M PT STA. 77+09.36
N PC STA. 63+29.14
O PC STA. 109+72.43
P PT STA. 112+58.58
Q PC STA. 110+87.19
R PT STA. 108+25.42
S PC STA. 115+53.01
T PI STA. 17+56.86
Δ = 00°21'24" (RT)
NO CURVE
U POT STA. 100+00.00
V PC STA. 100+98.94
W PT STA. 102+77.44
X PT STA. 15+17.98
Y PC STA. 40+45.97
Z PT STA. 47+75.36
AA PC STA. 51+10.79
AB PC STA. 27+66.91
AC PT STA. 30+12.57
AD PT STA. 35+24.58
AE PT STA. 39+01.08

CURVE DATA

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:19:52 PM USER: bfeder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GB018.dgn

DESIGN AGENCY
STRUCTUREPOINT INC.
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0019 TOTAL P.1556

HORIZONTAL/VERTICAL CONTROL							
COORDINATES ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENTS), AS ESTABLISHED UTILIZING A GPS SURVEY TIED TO THE ODOT INS NETWORK. A PROJECT ADJUSTMENT FACTOR OF 1.00005735 WAS APPLIED ABOUT THE ORGIN OF THE COORDINATE SYSTEM (0,0,0) TO OBTAIN GROUND COORDINATES. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, ESTABLISHED UTILIZING A LEVEL CIRCUIT ORIGINATING ON C.P. 2000 (ELEV. = 939.00).							
C.P.	REF LINE	STATION	OFFSET	DESCRIPTION	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION
2000	RAMP G	106+57.80	227.11' RT	TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	705293.766	1891611.536	939.00
2001	N/A			TYPE A EX CONCRETE MONUMENT FOUND WITH ALUM CAP	705643.138	1903926.437	1031.43
2002	IR 70	195+59.70	734.08' LT	TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	711233.839	1898670.374	1033.59
2003	ALONG BRICE ROAD			TYPE A EX CONCRETE MONUMENT FOUND WITH ALUM CAP	702832.051	1875827.587	790.98
2004	N/A			TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	699178.923	1879411.426	794.34
2005	IR 70	629+48.53	111.49' RT	TYPE A EX CONCRETE MONUMENT FOUND WITH ALUM CAP	703750.652	1880076.735	830.23
2006	IR 70	637+34.22	115.21' RT	TYPE B IRON PIN SET WITH ODOT DISK	703687.187	1880859.863	837.84
2007	IR 70	29+06.08	109.12' RT	TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	703460.683	1884141.118	861.79
2008	IR 70	35+84.10	113.98' RT	TYPE B IRON PIN SET WITH ODOT DISK	703528.561	1884834.360	851.61
2009	IR 70	76+56.01	141.75' LT.	TYPE B IRON PIN SET WITH ODOT DISK	704976.162	1888660.009	890.18
2010	IR 70	83+89.09	128.57' LT	TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	705184.134	1889363.092	893.59
2011	IR 70	129+97.67	128.33' LT	TYPE B IRON PIN SET WITH ODOT DISK	706725.034	1893659.881	961.36
2012	IR 70	138+31.32	108.10' LT	TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	707190.047	1894331.471	976.93
2013	IR 70	182+36.85	120.41' RT	TYPE B IRON PIN SET WITH ODOT DISK	709818.267	1897863.900	1020.51
2014	IR 70	188+72.90	125.09' RT	TYPE A IRON PIN SET IN CONCRETE MONUMENT WITH ODOT DISK	710147.326	1898391.870	1030.26

BASIS OF BEARINGS:
BEARINGS SHOWN HEREON ARE BASED ON GRID NORTH, REFERENCED TO THE OHIO STATE PLANE COORDINATE SYATEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OR 1983 (2011 ADJUSTMENT), AS ESTABLISHED UTILIZING A GNSS SURVEY AND NGS OPUS SOLUTIONS.

SCHEMATIC PLAN
SURVEY CONTROL DATA

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0020 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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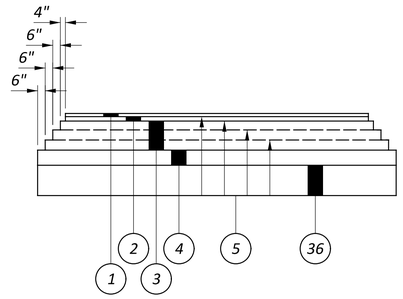
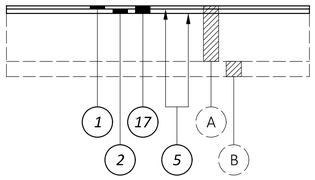
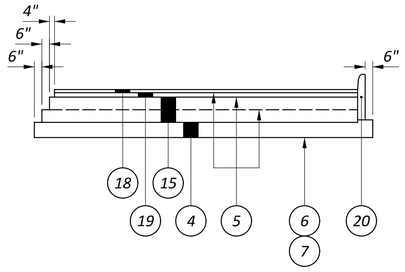


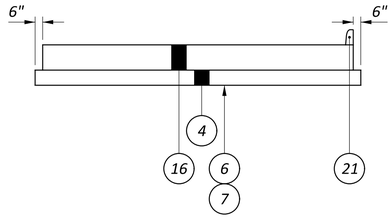
PROPOSED PAVEMENT - IR 70 (P1)



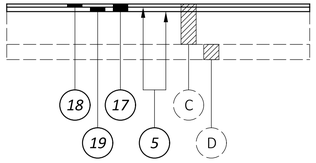
PROPOSED PAVEMENT - IR 70 (P2)



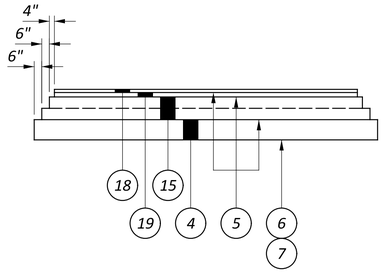
PROPOSED PAVEMENT - SR 256 / TAYLOR RD (P3)



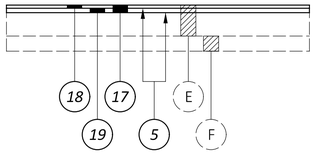
PROPOSED PAVEMENT - RAMPS G, H, I, J/ TAYLOR RD (P4)



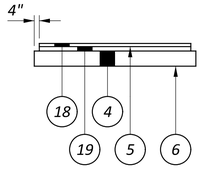
PROPOSED PAVEMENT - SR 256 (P6)



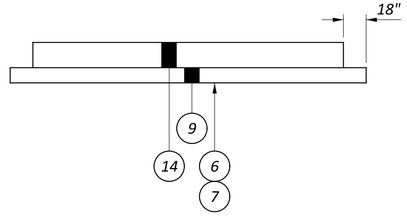
PROPOSED PAVEMENT - SR 204 (P7)



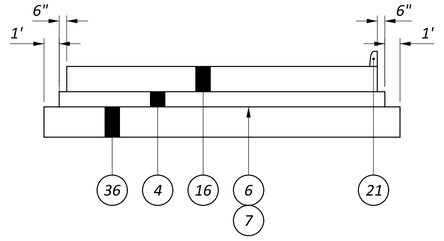
PROPOSED PAVEMENT - SR 204 (P8)



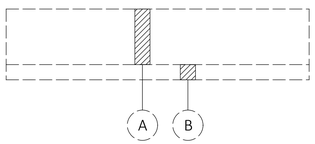
PROPOSED PAVEMENT - SHARED USE PATH (P9)



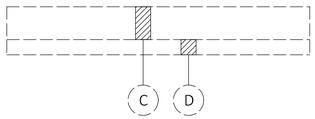
PROPOSED PAVEMENT - BLACKLICK TRAIL (P10)



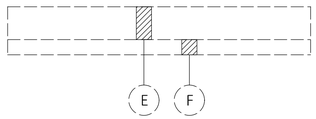
PROPOSED PAVEMENT - RAMPS A, B, C, D, E (P11)



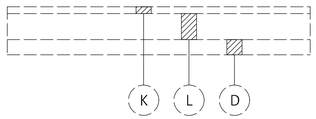
EXISTING PAVEMENT - IR 70 (E1)



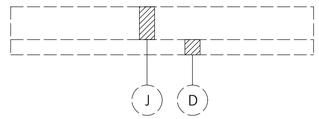
EXISTING PAVEMENT - SR 256 (E2)



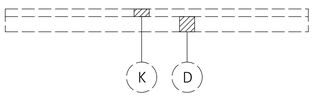
EXISTING PAVEMENT - SR 256 RAMPS (E3)



EXISTING PAVEMENT - RAMP G (E4)



EXISTING PAVEMENT - SR 204 (E5)



EXISTING PAVEMENT - PALMER RD & GEORGIAN DR SW (E6)

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0021 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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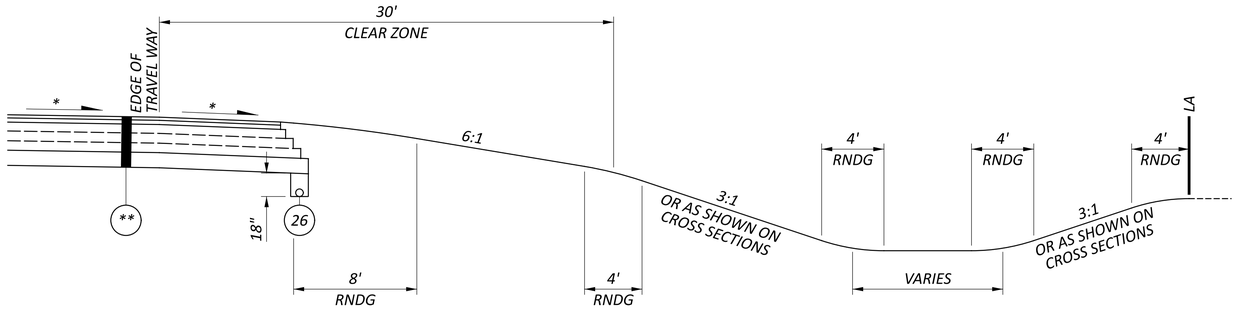
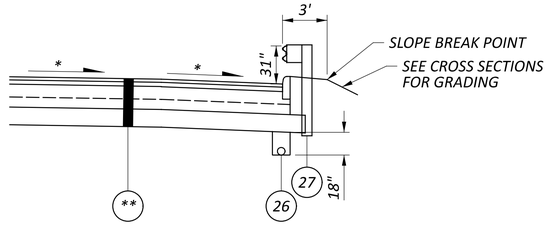
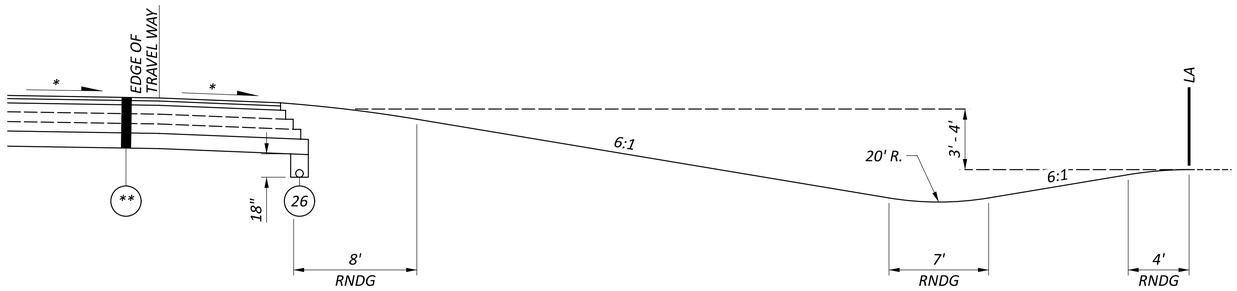


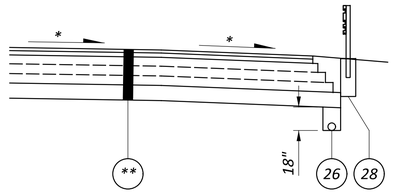
MEDIUM FILL SECTION



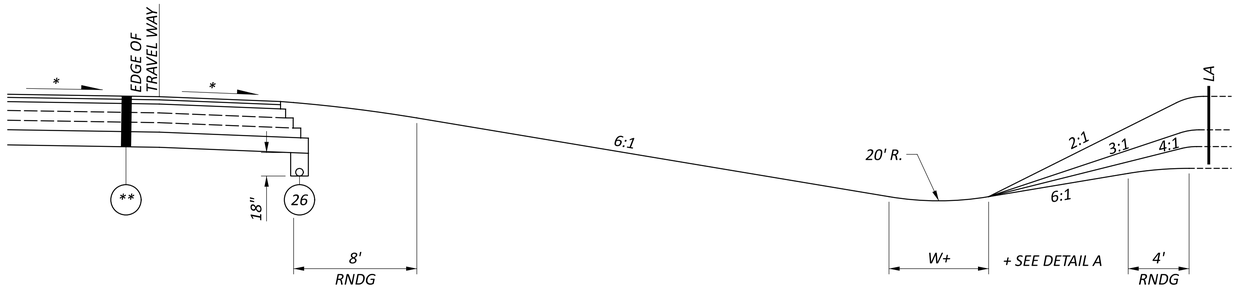
GUARDRAIL DETAIL WITH CURB



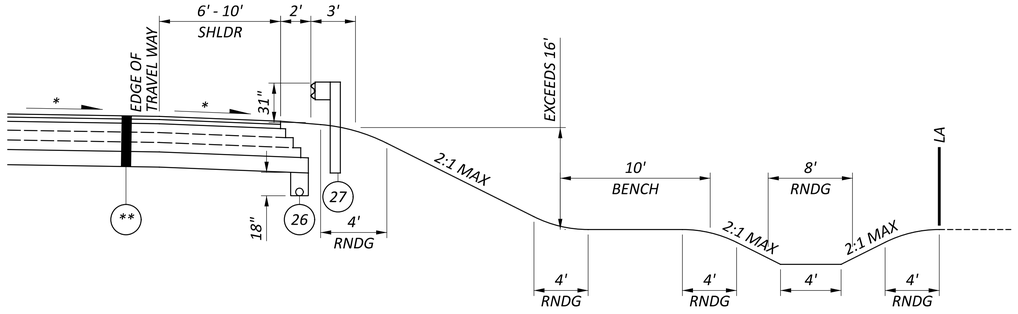
LOW FILL SECTION



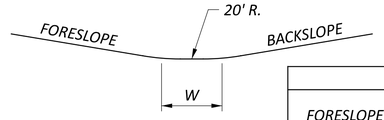
CABLE BARRIER DETAIL



LOW FILL SECTION



GUARDRAIL DETAIL WITHOUT CURB AND BARRIER GRADING



W				
FORESLOPE	BACKSLOPE			
	6:1	4:1	3:1	2:1
6:1	3.33'	4.17'	4.92'	6.42'
4:1	4.17'	5.00'	4.75'	
3:1	4.92'	5.75'	6.50'	

DETAIL A

* - PAVEMENT SLOPE PER TYPICAL SECTIONS OR SUPERELEVATION TABLE
** - PAVEMENT BUILD-UP PER TYPICAL SECTIONS

TYPICAL SECTIONS EDGE COURSE DETAILS

FAI/LIC-IR 70-0.00/0.00

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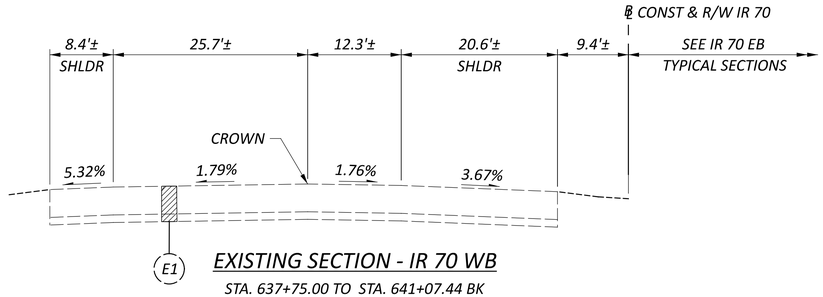
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
AJO

REVIEWER
KAM 04/25/25

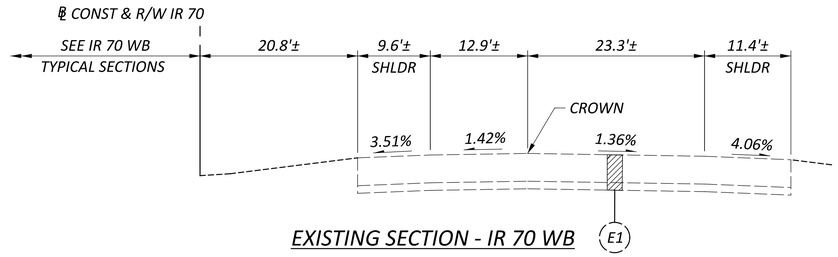
PROJECT ID
96808

SHEET P.0022 TOTAL P.1556



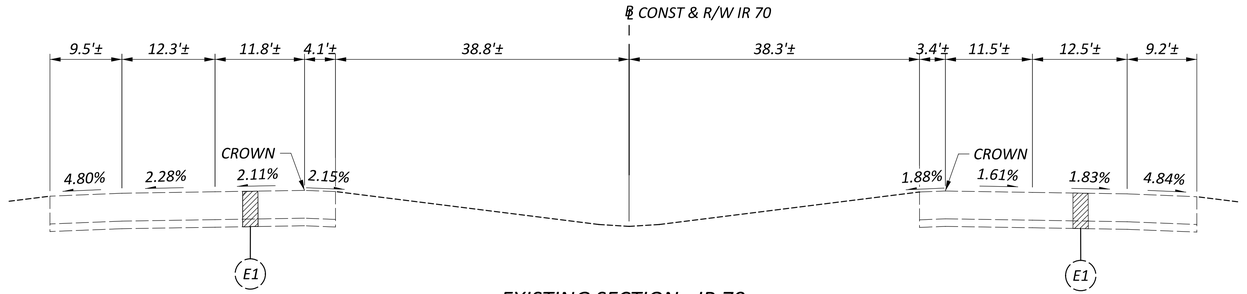
EXISTING SECTION - IR 70 WB

STA. 637+75.00 TO STA. 641+07.44 BK



EXISTING SECTION - IR 70 WB

STA. 641+05.91 TO STA. 641+07.44 BK



EXISTING SECTION - IR 70

STA. 0+00.00 AH TO STA. 182+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

EXISTING TYPICAL SECTIONS

FAI/LIC-IR 70-0.00/0.00

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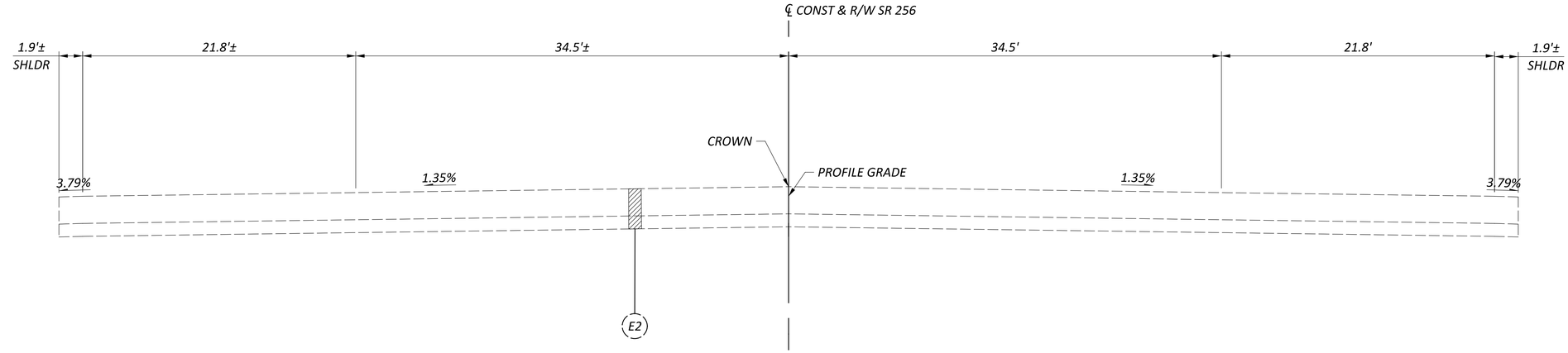
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO

REVIEWER KAM 04/25/25

PROJECT ID 96808

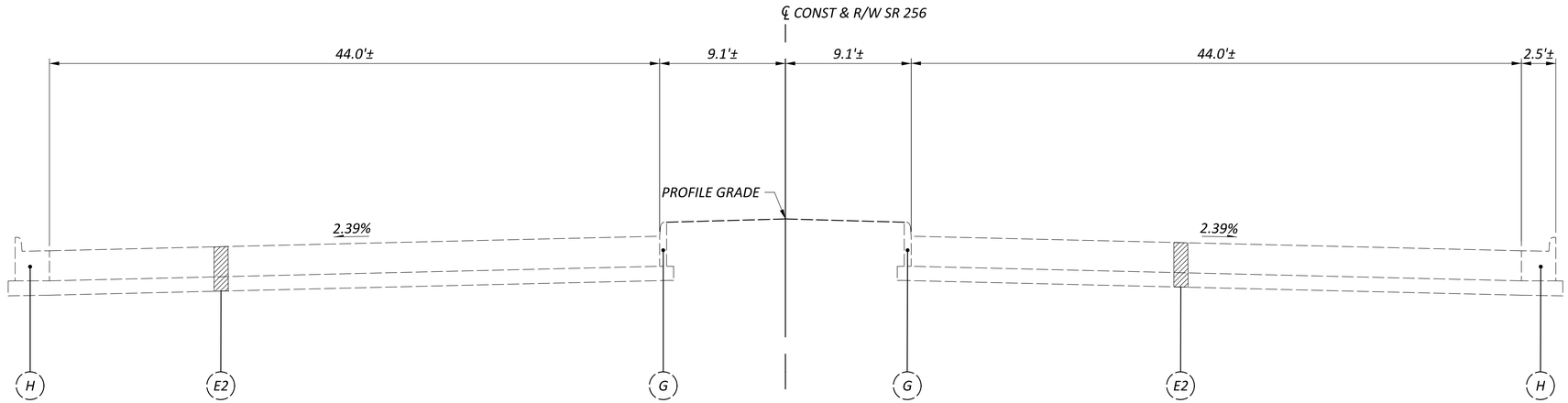
SHEET P.0023 TOTAL P.1556



EXISTING SECTION - SR 256

STA. 9+68.00 TO STA. 15+49.07

STA. 18+66.28 TO STA. 28+45.19



EXISTING SECTION - SR 256

STA. 15+49.07 TO STA. 18+66.28

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

EXISTING TYPICAL SECTIONS

FAI/LIC-IR 70-0.00/0.00

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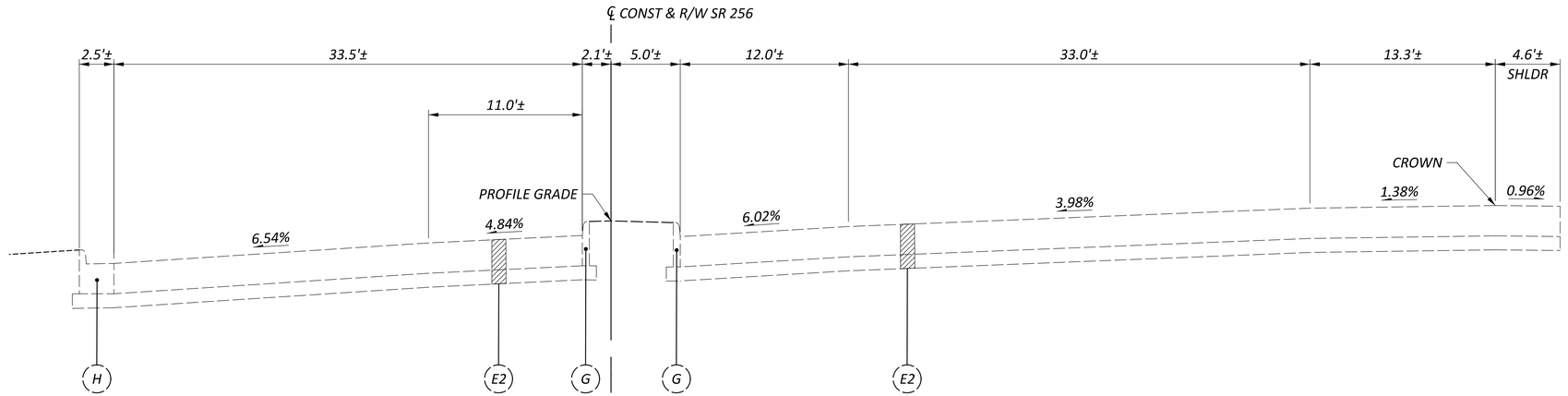
DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER: AJO

REVIEWER: KAM 04/25/25

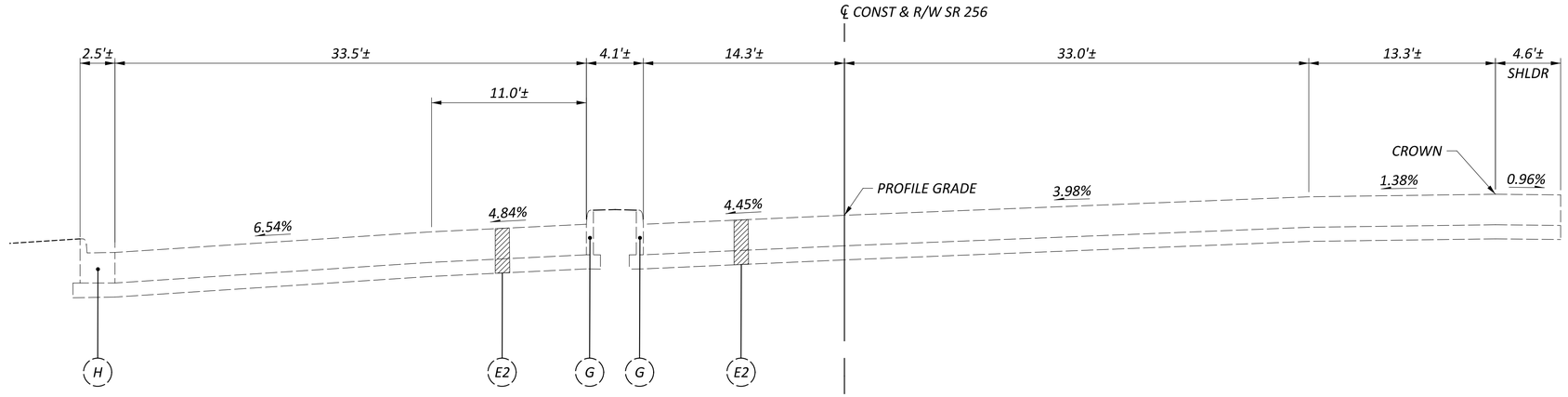
PROJECT ID: 96808

SHEET: P.0024 TOTAL: P.1556



EXISTING SECTION - SR 256

STA. 28+45.19 TO STA. 30+95.00



EXISTING SECTION - SR 256

STA. 31+33.70 TO STA 36+75.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

EXISTING TYPICAL SECTIONS

FAI/LIC-IR 70-0.00/0.00

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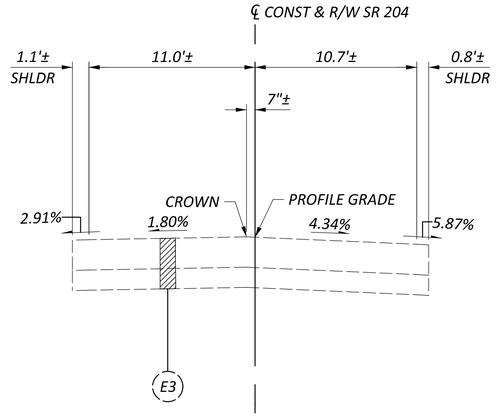
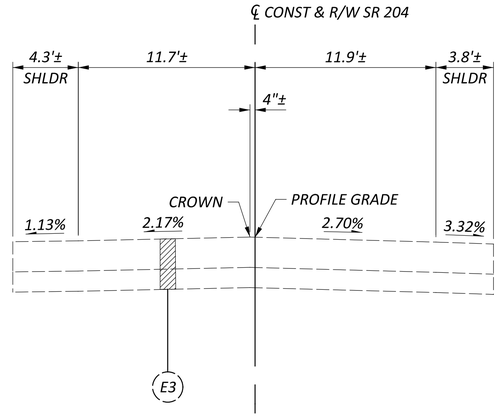
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0025 TOTAL P.1556



EXISTING SECTION - SR 204

STA. 36+50.00 TO STA. 42+50.00



EXISTING SECTION - SR 204

STA. 42+50.00 TO STA. 48+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

EXISTING TYPICAL SECTIONS

FAI/LIC-IR 70-0.00/0.00

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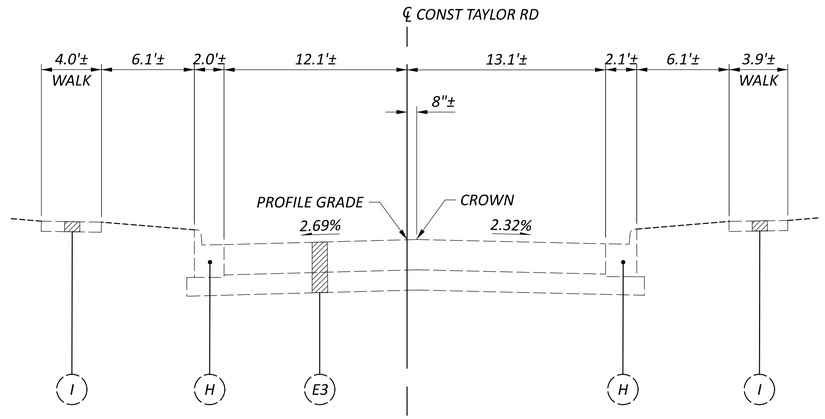
DESIGN AGENCY
STRUCTUREPOINT LLC
a WSP firm

DESIGNER
AJO

REVIEWER
KAM 04/25/25

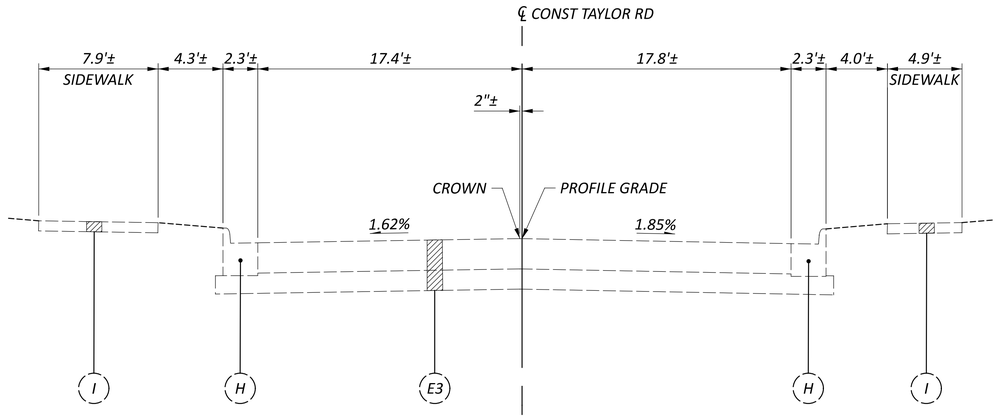
PROJECT ID
96808

SHEET P.0026 TOTAL P.1556



EXISTING SECTION - WELLESLEY RD

STA. 13+33.24 TO STA. 16+08.16



EXISTING SECTION - TAYLOR RD

STA. 16+44.79 TO STA. 29+84.55

STA. 42+47.37 TO STA. 58+05.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

EXISTING TYPICAL SECTIONS

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0027 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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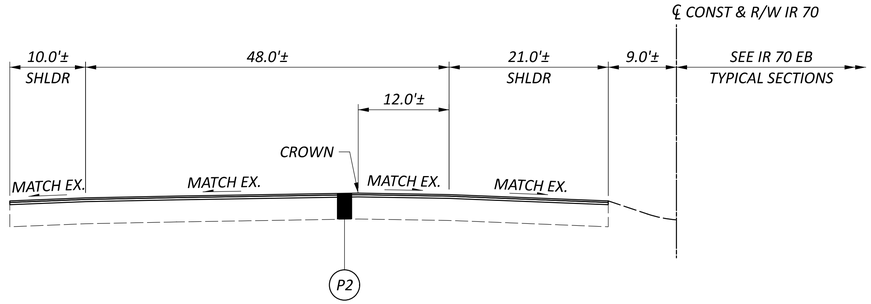
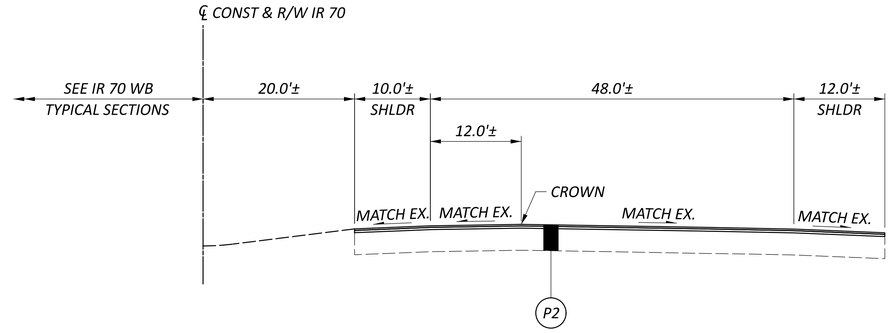


RESURFACING SECTION - IR 70 WB

STA. 621+00.00 TO STA. 637+75.00



RESURFACING SECTION - IR 70 EB

STA. 621+00.00 TO STA. 641+05.19

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER: AJO
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0028 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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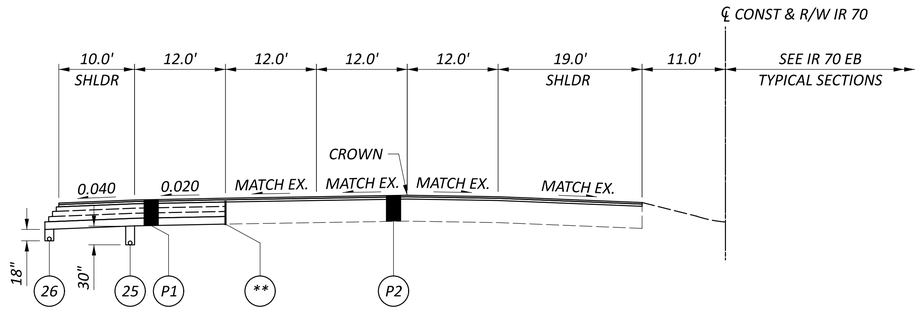
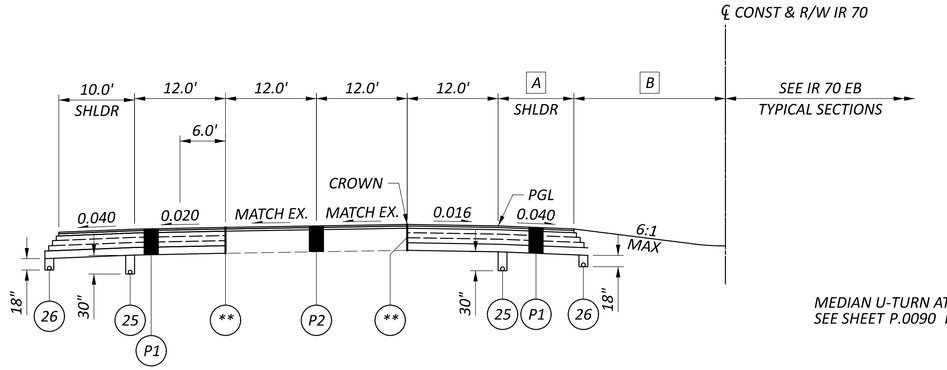


NORMAL SECTION - IR 70 WB

STA. 637+75.00 TO STA. 641+07.44 BK

STA. 0+00.00 AH TO STA. 3+17.21



MEDIAN U-TURN AT STA. 3+30.00
SEE SHEET P.0090 FOR DETAILS

NORMAL SECTION - IR 70 WB

STA. 3+17.21 TO STA. 22+00.00

A TAPERS FROM 19.0' AT STA. 3+17.21 TO 10.0' AT STA. 4+19.59
10.0' FROM STA. 4+19.59 TO STA. 22+00.00

B TAPERS FROM 11.0' AT STA. 3+17.21 TO 20.0' AT STA. 4+19.59
20.0' FROM STA. 4+19.59 TO STA. 22+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
MERIDEN STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0029 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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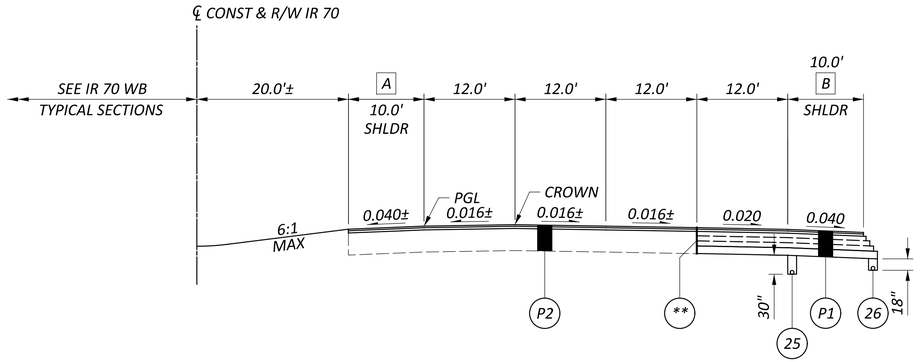


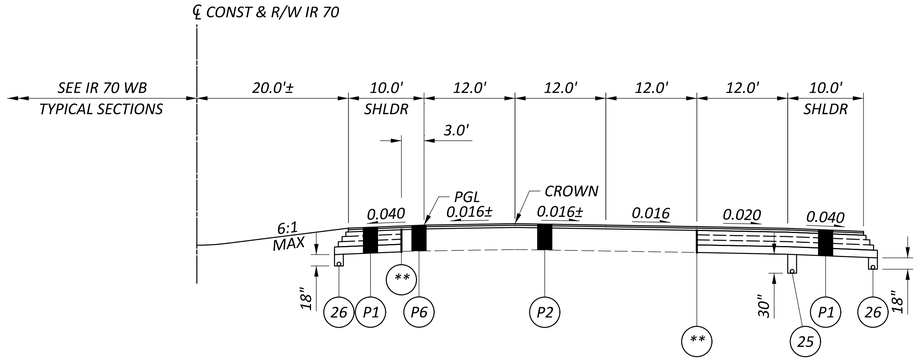
A TAPERS FROM 9.6' AT STA. 641+05.19 TO 10.0' AT STA. 0+67.75
10.0' FROM STA. 0+67.75 TO STA. 5+50.00

B TAPERS FROM 12.0' AT STA. 641+05.19 TO 10.0' AT STA. 0+67.75
10.0' FROM STA. 0+67.75 TO STA. 5+50.00

MEDIAN U-TURN AT STA. 3+30.00
SEE SHEET P.0090 FOR DETAILS

NORMAL SECTION - IR 70 EB

STA. 641+05.19 TO STA. 641+07.44 BK
STA. 0+00.00 AH TO STA. 5+50.00



NORMAL SECTION - IR 70 EB

STA. 5+50.00 TO STA. 15+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0030 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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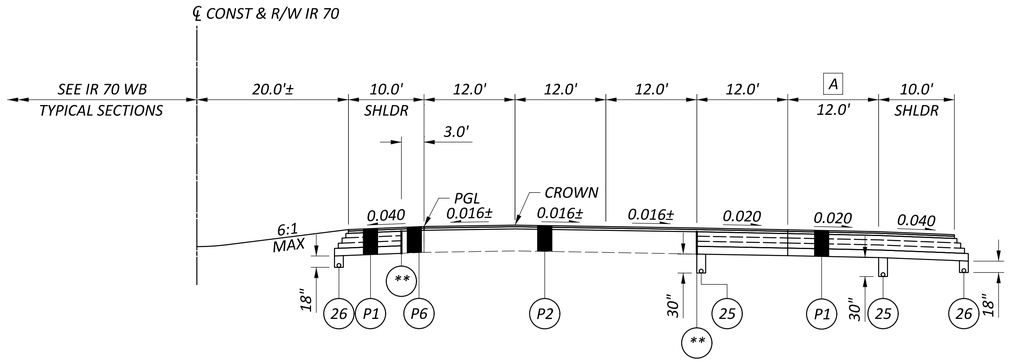
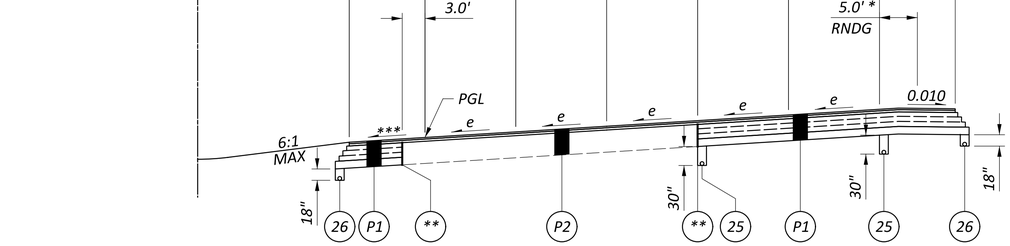


A TAPERS FROM 0.0' AT STA. 15+00.00 TO 12.0' AT STA. 16+00.00
12.0' FROM STA. 16+00.00 TO STA. 22+00.00

NORMAL SECTION - IR 70 EB

STA. 15+00.00 TO STA. 22+00.00



SUPERELEVATED SECTION - IR 70 EB

STA. 22+00.00 TO STA. 23+54.32

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
MERIDEN STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0031 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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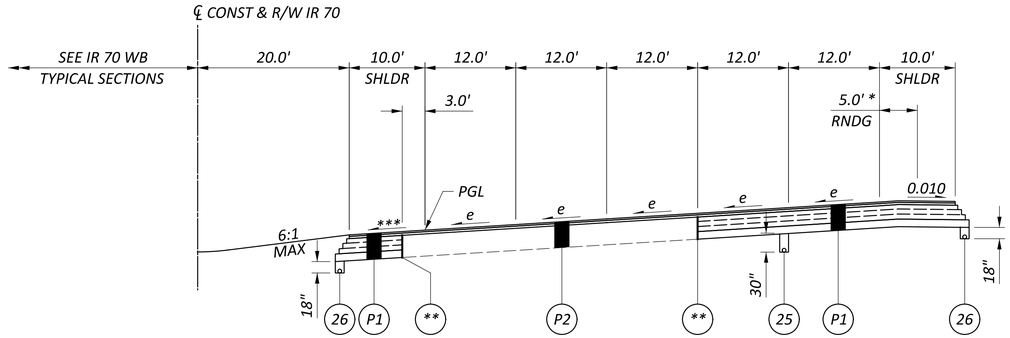


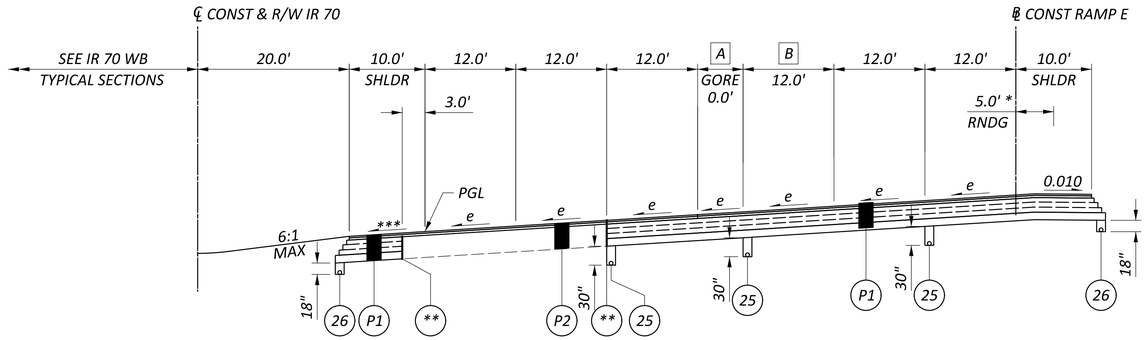
SUPERELEVATED SECTION - IR 70 EB

STA. 23+54.32 TO STA. 30+00.00

e = SUPERELEVATION RATE

* WHEN e ≥ 6.0%
e = SUPERELEVATION RATE

*** 0.040 OR RATE OF SUPER, IF GREATER.



SUPERELEVATED SECTION - IR 70 EB

STA. 30+00.00 TO STA. 41+00.00

A 0.0' FROM STA. 30+00.00 TO STA. 36+66.06
TAPERS FROM 0.0' AT STA. 36+66.06 TO 20.0' AT STA. 41+00.00

B TAPERS FROM 0.0' AT STA. 30+00.00 TO 12.0' AT STA. 36+66.06
12.0' FROM STA. 36+66.06 TO STA. 41+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
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19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
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21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:24:18 PM USER: brieder
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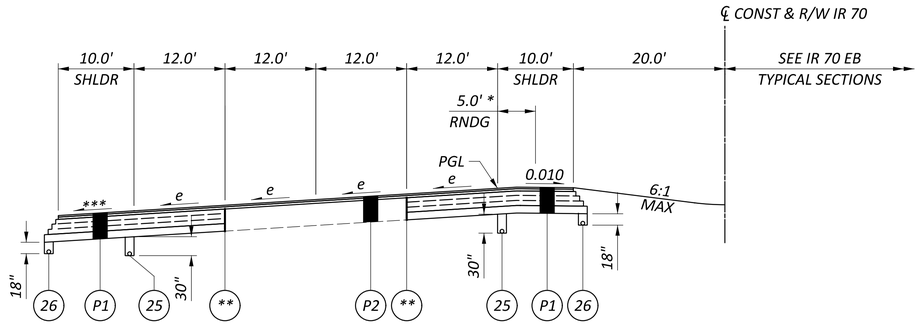
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0032 TOTAL P.1556



SUPERELEVATED SECTION - IR 70 WB

STA. 22+00.00 TO STA. 23+82.50

SUPERELEVATED SECTION - IR 70 WB

STA. 23+82.50 TO STA. 42+25.00

e = SUPERELEVATION RATE

** WHEN e ≥ 6.0%*
e = SUPERELEVATION RATE

**** 0.040 OR RATE OF SUPER, IF GREATER.*

A TAPERS FROM 0.0' AT STA. 23+82.50 TO 12.0' AT STA. 29+82.50
12.0' FROM STA. 29+82.50 TO STA. 42+25.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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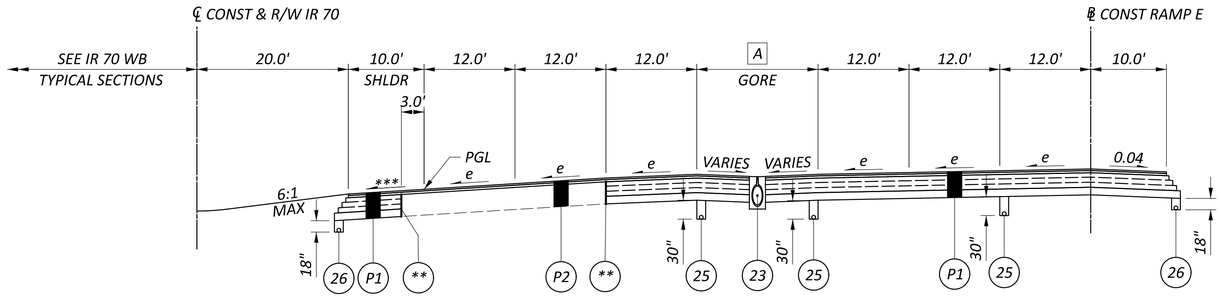
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0033 TOTAL P.1556

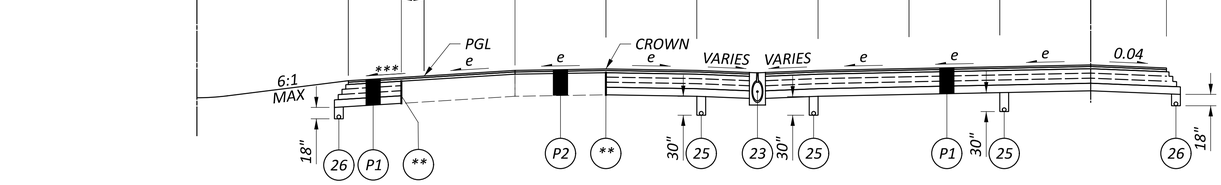


A TAPER FROM 20.0' AT STA. 41+00.00 TO 22.7' AT STA. 41+84.38

e = SUPERELEVATION RATE
*** 0.040 OR RATE OF SUPER, IF GREATER.

SUPERELEVATED SECTION - IR 70 EB

STA. 41+00.00 TO STA. 41+84.38



B VARIES FROM 22.7' AT STA. 41+84.38 TO 23.7' AT STA. 42+46.16

SUPERELEVATED SECTION - IR 70 EB

STA. 41+84.38 TO STA. 42+46.16

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0034 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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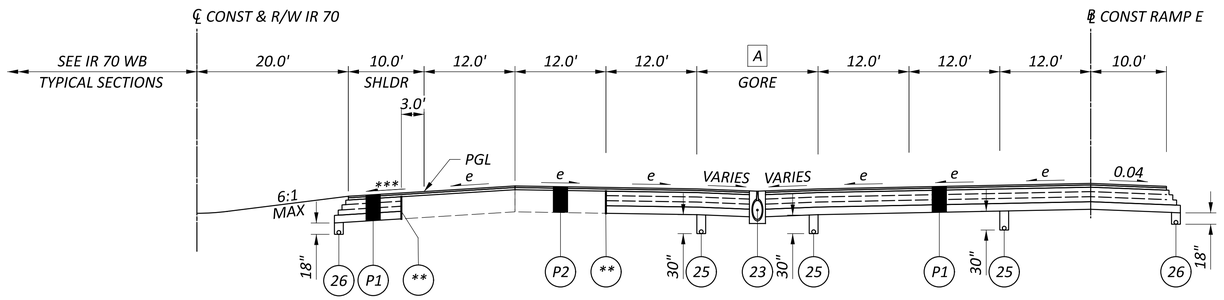

SUPERELEVATED SECTION - IR 70 EB

STA. 42+46.16 TO STA. 43+50.00

A TAPERS FROM 23.7' AT STA. 42+46.16 TO 24.0' AT STA. 43+00.48
24.0' FROM STA. 43+00.48 TO STA. 43+50.00

e = SUPERELEVATION RATE
*** 0.040 OR RATE OF SUPER, IF GREATER.

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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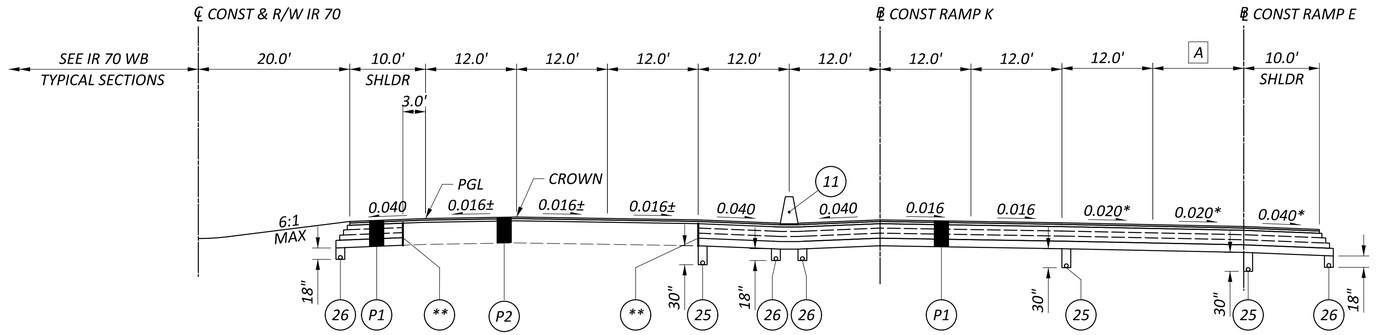
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0035 TOTAL P.1556



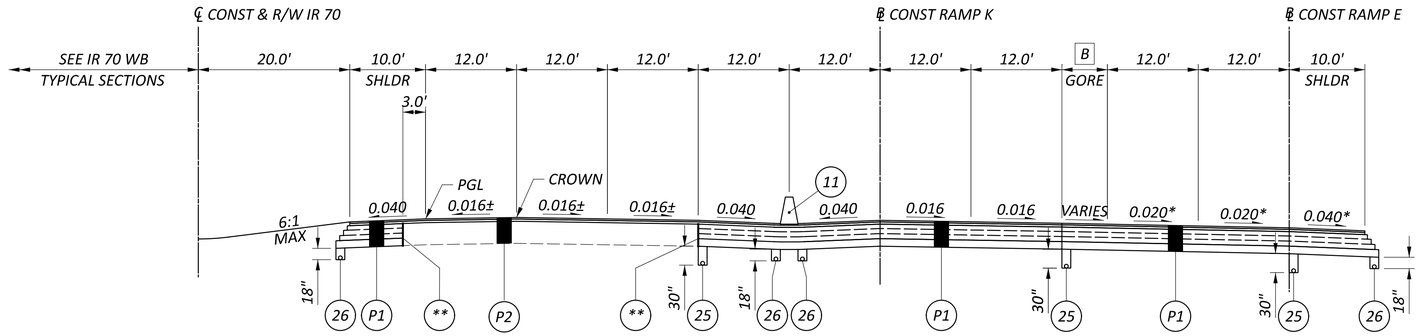
NORMAL SECTION - IR 70 EB

STA. 43+50.00 TO STA. 49+75.00

A 0.0' FROM STA. 43+50.00 TO STA. 46+00.00
TAPERS FROM 0.0' AT STA. 46+00.00 TO 12.0' AT STA. 47+00.00
12.0' FROM STA. 47+00.00 TO STA. 49+75.00

* SEE SUPERELEVATION TABLES FOR RAMP RATES

FAI-00070-00.840 R
APPROACH SLAB = STA. 43+92.75 TO STA. 44+17.75, SEE SHEET P.0049
STRUCTURE = STA. 44+17.75 TO STA. 45+65.50
APPROACH SLAB = STA. 45+65.50 TO STA. 45+90.50, SEE SHEET P.0049



NORMAL SECTION - IR 70 EB

STA. 49+75.000 TO STA. 55+67.84

B TAPERS FROM 0.0' AT STA. 49+75.00 TO 24.0' AT STA. 55+67.84

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
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(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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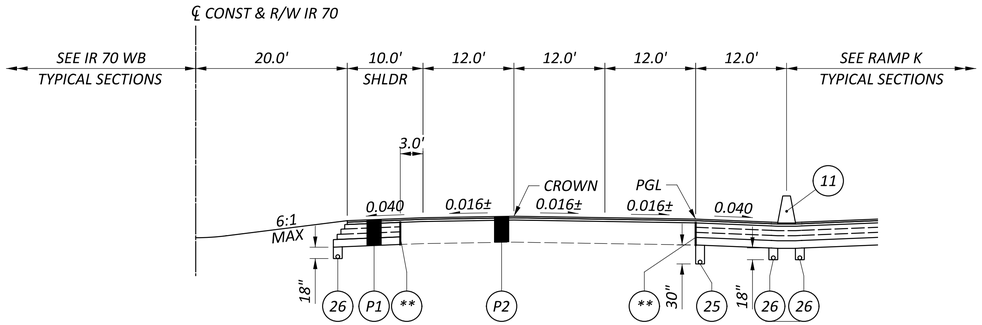
DESIGN AGENCY
MIDWEST STRUCTUREPOINT INC.

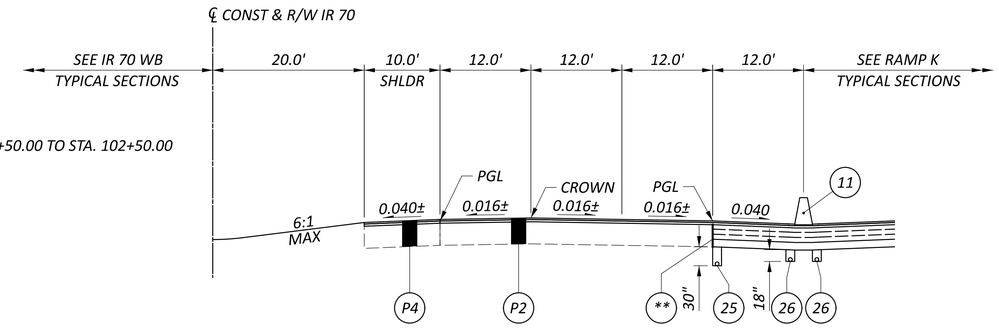
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0036 TOTAL P.1556



NORMAL SECTION - IR 70 EB

STA. 55+67.84 TO STA. 79+50.00

FAI-00070-01.190 R
APPROACH SLAB = STA. 62+59.12 TO STA. 62+89.12, SEE SHEET P.0049
STRUCTURE = STA. 62+89.12 TO STA. 64+33.16
APPROACH SLAB = STA. 64+33.16 TO STA. 64+63.16, SEE SHEET P.0049



STA. 79+50.00 TO STA. 102+50.00

NORMAL SECTION - IR 70 EB

STA. 79+50.00 TO STA. 102+50.00

[A] 3.0' FROM STA. 67+00.00 TO STA. 71+00.00
TAPERS FROM 3.0' AT STA. 71+00.00 TO 7.0' AT STA. 75+00.00
7.0' FROM STA. 75+00.00 TO STA. 75+42.76
7.0' FROM STA. 75+42.76 TO STA. 76+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
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(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
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(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0037 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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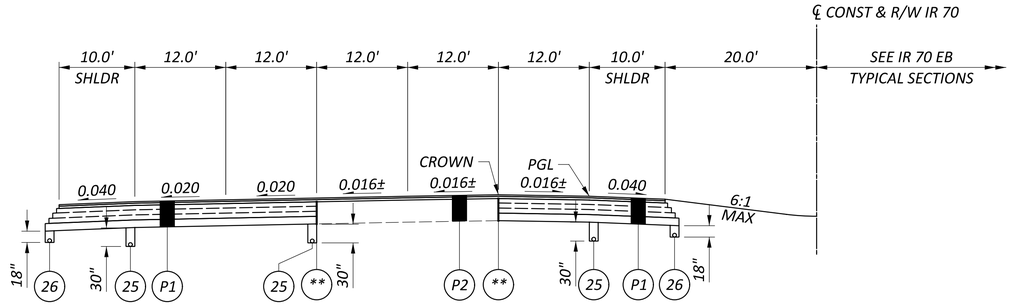
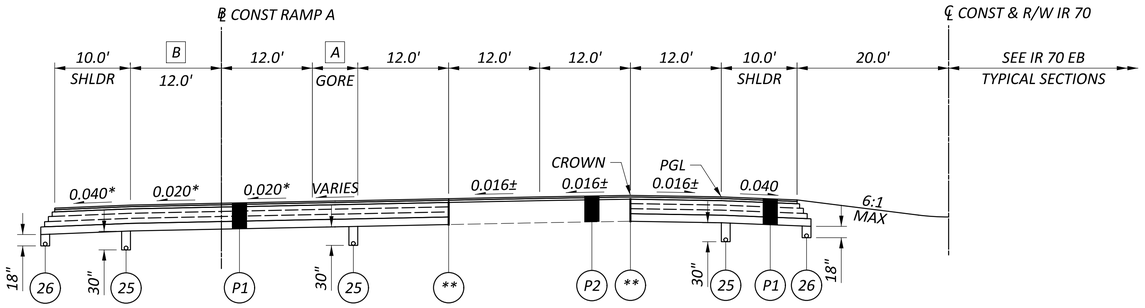


NORMAL SECTION - IR 70 WB

STA. 42+25.00 TO STA. 48+82.50

FAI-00070-00.840 L
APPROACH SLAB = STA. 43+92.75 TO STA. 44+17.75, SEE SHEET P.0049
STRUCTURE = STA. 44+17.75 TO STA. 45+65.50
APPROACH SLAB = STA. 45+65.50 TO STA. 45+90.50, SEE SHEET P.0049



NORMAL SECTION - IR 70 WB

STA. 48+82.50 TO STA. 57+24.87

A 0.0' FROM STA. 48+82.50 TO STA. 48+82.62
TAPERS FROM 0.0' AT STA. 48+82.62 TO 24.0' AT STA. 57+24.87

B TAPERS FROM 10.4' AT STA. 54+00.00 TO 24.0' AT STA. 57+24.87

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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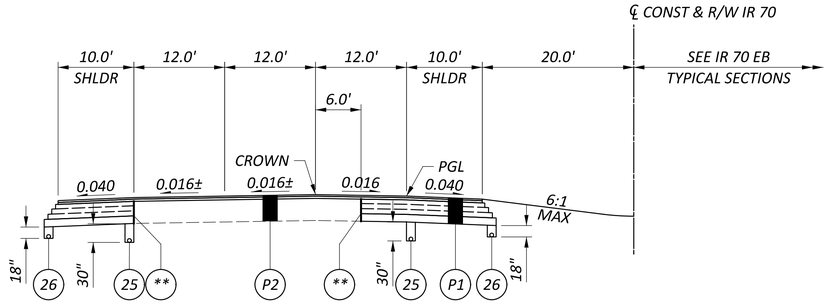
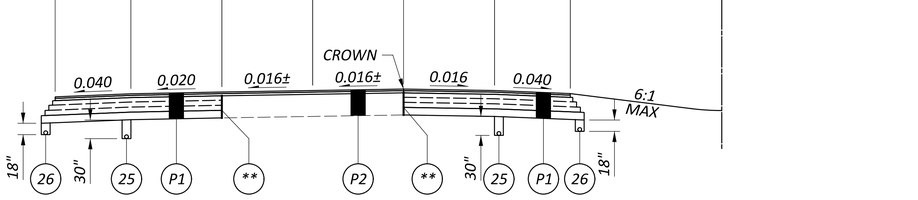
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0038 TOTAL P.1556



NORMAL SECTION - IR 70 WB

STA. 57+24.87 TO STA. 58+00.00



NORMAL SECTION - IR 70 WB

STA. 58+00.00 TO STA. 64+00.00

A TAPERS FROM 0.0' AT STA. 58+00.00 TO 12.0' AT STA. 64+00.00

FAI-00070-01.190 L
APPROACH SLAB = STA. 62+71.87 TO STA. 63+01.87, SEE SHEET P.0049
STRUCTURE = STA. 63+01.87 TO STA. 64+45.92

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0039 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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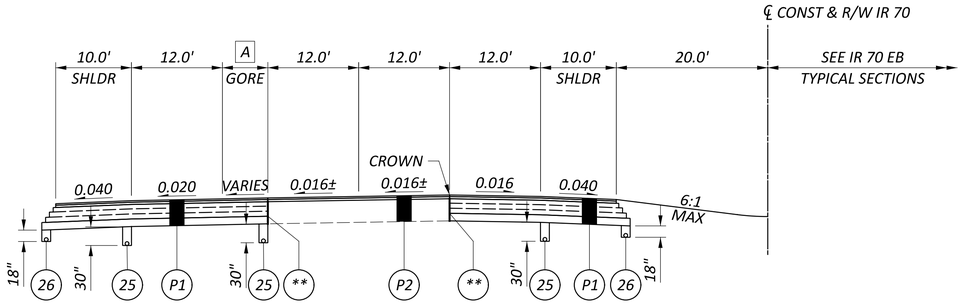

NORMAL SECTION - IR 70 WB

STA. 64+00.00 TO STA. 72+50.00

A VARIES FROM 0.0' AT STA. 64+00.00 TO 17.0' AT STA. 72+50.00

FAI-070-0119 L
STRUCTURE = STA. 64+45.92 TO STA. 64+75.92
APPROACH SLAB = STA. 63+01.87 TO STA. 64+45.92, SEE SHEET P.0049

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0040 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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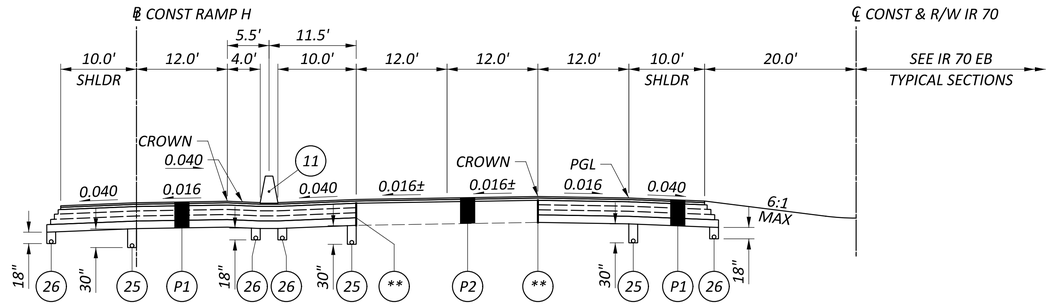
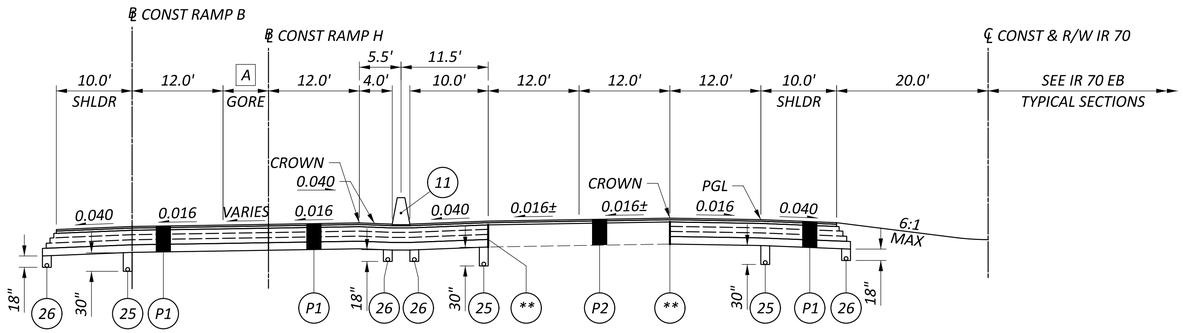


NORMAL SECTION - IR 70 WB

STA. 72+50.00 TO STA. 72+93.72

* SEE SUPERELEVATION TABLES FOR RAMP RATES
\#\# ℄ CONST RAMP B ENDS AT STA. 77+22.13



NORMAL SECTION - IR 70 WB

STA. 72+93.72 TO STA. 77+22.13

A TAPERS FROM 20.0' AT STA. 72+93.72 TO 0.0' AT STA. 77+22.13 (RAMP H)

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
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(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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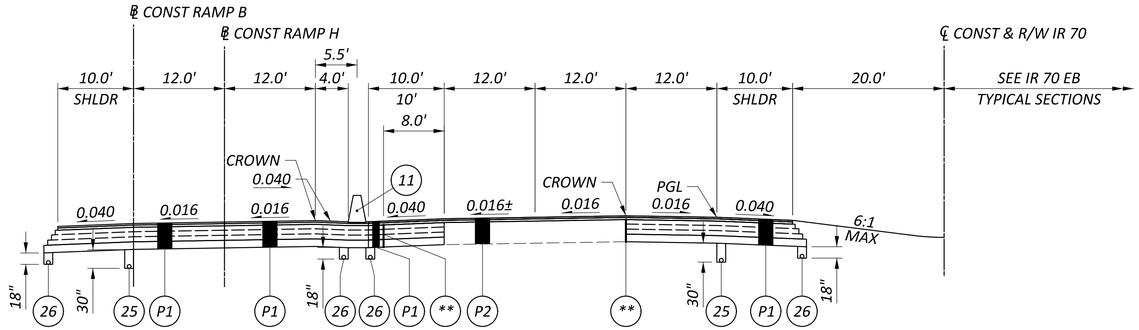
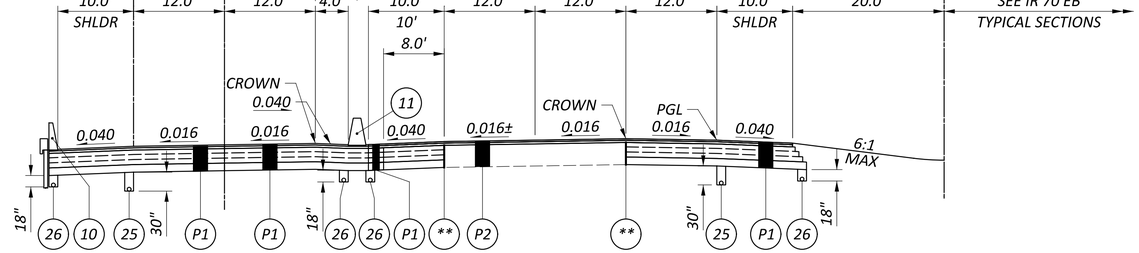
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0041 TOTAL P.1556



NORMAL SECTION - IR 70 WB

STA. 77+22.13 TO STA. 92+50.00



NORMAL SECTION - IR 70 WB

STA. 92+50.00 TO STA. 103+00.00

* SEE SUPERELEVATION TABLES FOR RAMP RATES
\#\# ℄ CONST RAMP B ENDS AT STA. 77+22.13

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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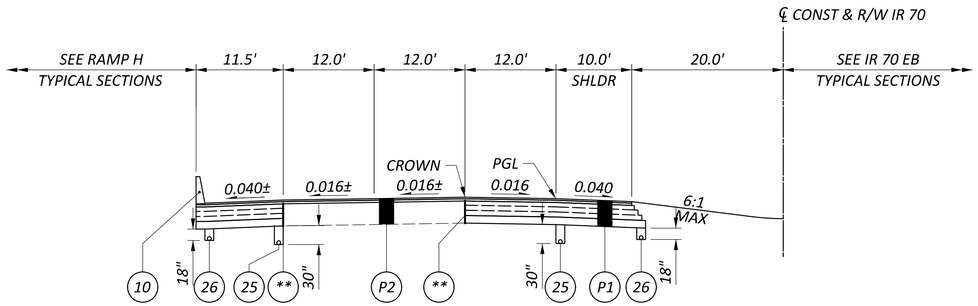
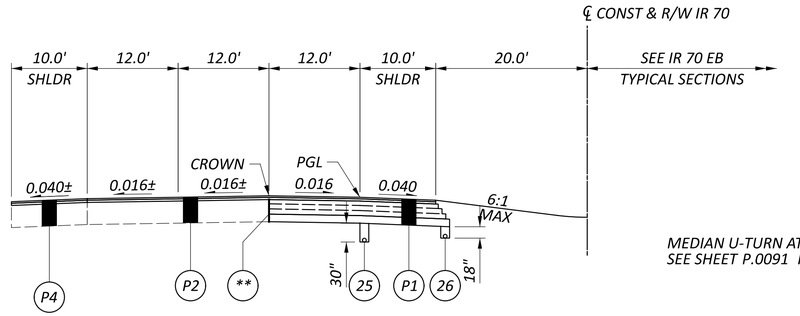
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0042 TOTAL P.1556



NORMAL SECTION - IR 70 WB

STA. 103+00.00 TO STA. 106+00.00



NORMAL SECTION - IR 70 WB

STA. 106+00.00 TO STA. 113+75.00

MEDIAN U-TURN AT STA. 109+50.00
SEE SHEET P.0091 FOR DETAILS

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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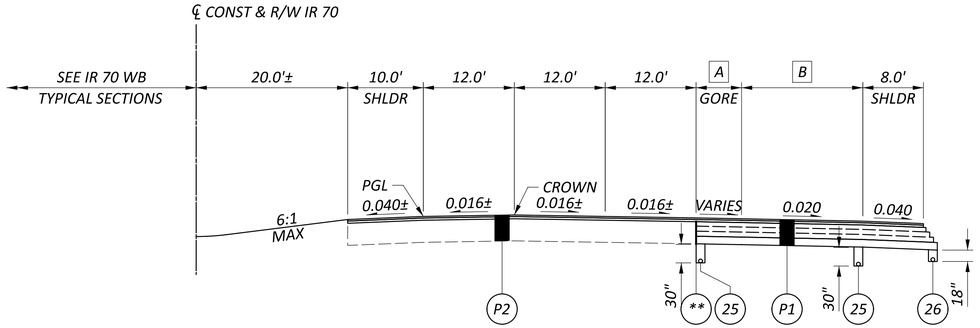
DESIGN AGENCY
MORPHEN STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0043 TOTAL P.1556



NORMAL SECTION - IR 70 EB

STA. 102+50.00 TO STA. 113+50.00

e = SUPERELEVATION RATE

* SEE SUPERELEVATION TABLES FOR RAMP RATES

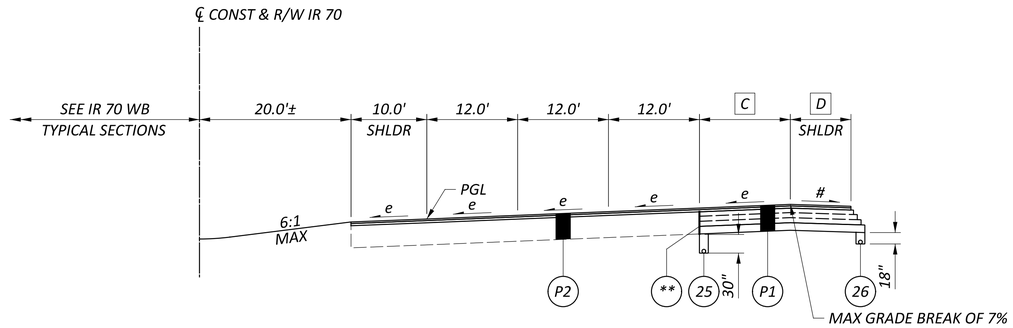
\## ℄ CONST RAMP J ENDS AT STA. 122+40.08

\# VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

A TAPERS FROM 18.0' AT STA. 102+50.00 TO 0.0' AT STA. 111+49.91
0.00' FROM STA. 111+49.91 TO STA. 113+50.00

B 16.0' FROM STA. 102+50.00 TO STA. 111+49.91
TAPERS FROM 16.0' AT STA. 111+49.91 TO 12.0' AT STA. 113+50.00

MEDIAN U-TURN AT STA. 109+50.00
SEE SHEET P.0091 FOR DETAILS



SUPERELEVATED SECTION - IR 70 EB

STA. 113+50.00 TO STA. 120+45.96

C TAPERS FROM 12.0' AT STA. 113+50.00 TO 0.0' AT STA. 119+46.98
0.0' FROM STA. 119+46.98 TO STA. 120+45.96

D 8.0' FROM STA. 113+50.00 TO STA. 118+49.94
TAPERS FROM 8.0' AT STA. 118+49.94 TO 10.0' AT STA. 119+46.98
10.00' FROM STA. 119+46.98 TO STA. 120+45.96

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0044 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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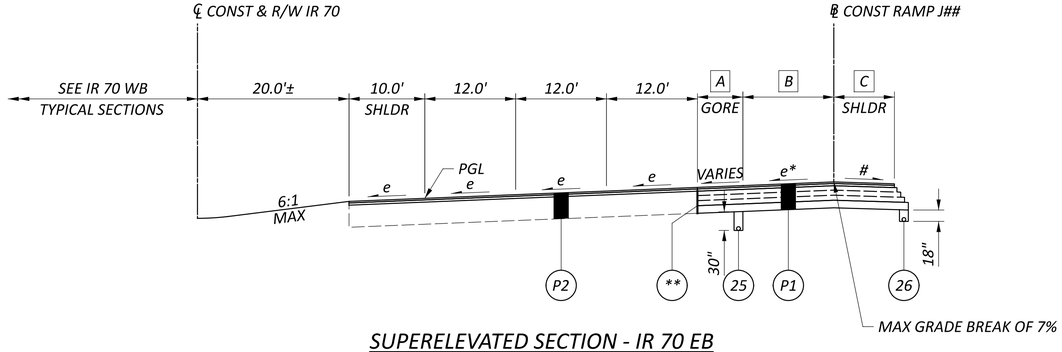
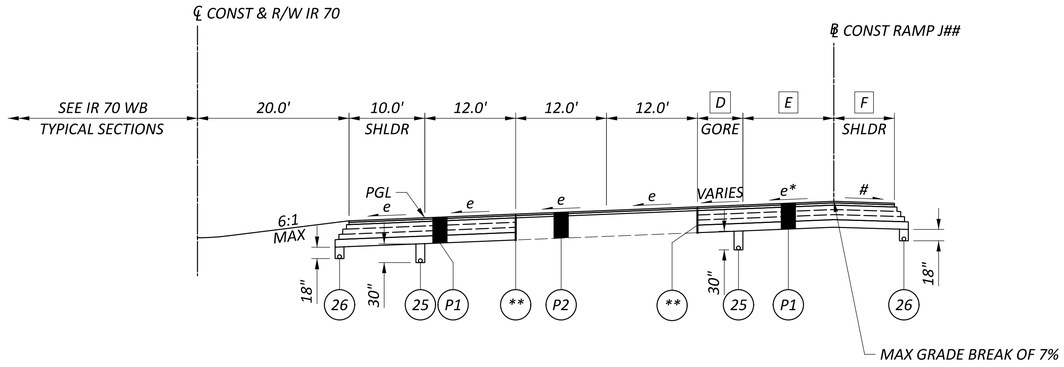


SUPERELEVATED SECTION - IR 70 EB

STA. 120+45.96 TO STA. 123+00.00



SUPERELEVATED SECTION - IR 70 EB

STA. 123+00.00 TO STA. 135+10.00

e = SUPERELEVATION RATE

** SEE SUPERELEVATION TABLES FOR RAMP RATES*
℄ CONST RAMP J ENDS AT STA. 122+40.08
 # VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

A *TAPERS FROM 23.0' AT STA. 120+45.96 TO 12.2' AT STA. 123+00.00*

B *TAPERS FROM 16.0' AT STA. 120+45.96 TO 12.0' AT STA. 123+00.00*

C *6.0' FROM STA. 120+45.96 TO STA. 121+91.13*
TAPERS FROM 6.0' AT STA. 121+91.13 TO 8.0' AT STA. 122+40.28
8.0' FROM STA. 122+40.28 TO STA. 123+00.00

D *TAPERS FROM 12.2' AT STA. 123+00.00 TO 0.0' AT STA. 127+49.98*
0.0' FROM STA. 127+49.98 TO STA. 135+10.00

E *TAPERSFROM 12.0' AT STA. 123+00.00 TO 0.0' AT STA. 135+10.00*

F *8.0' FROM STA. 123+00.00 TO STA. 134+10.50*
TAPERS FROM 8.0' AT STA. 134+10.50 TO 10.0' AT STA. 135+10.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. *ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)*
2. *ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)*
3. *ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")*
4. *ITEM 304 - 6" AGGREGATE BASE*
5. *ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)*
6. *ITEM 204 - SUBGRADE COMPACTION*
7. *ITEM 204 - PROOF ROLLING*
8. *ITEM 609 - 6" CONCRETE TRAFFIC ISLAND*
9. *ITEM 304 - 4" AGGREGATE BASE*
10. *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D*
11. *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C*
12. *ITEM 659 - SEEDING AND MULCHING*
13. *ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE*
14. *ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
15. *ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)*
16. *ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
17. *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)*
18. *ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22*
19. *ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)*
20. *ITEM 609 - CURB, TYPE 6*
21. *ITEM 609 - CURB, TYPE 2-A*
22. *ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2*
23. *ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"*
24. *ITEM 608 - 4" CONCRETE WALK*
25. *ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS*
26. *ITEM 605 - 6" BASE PIPE UNDERDRAINS*
27. *ITEM 606 - GUARDRAIL, TYPE MGS*
28. *ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION*
29. *ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE*
30. *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")*
31. *ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22*
32. *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")*
33. *ITEM 607 - FENCE, MISC: WOOD FENCE*
34. *ITEM 605 - AGGREGATE DRAINS*
35. *ITEM 609 - CURB, TYPE 3, APP*
36. *ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP*

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** *SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY*

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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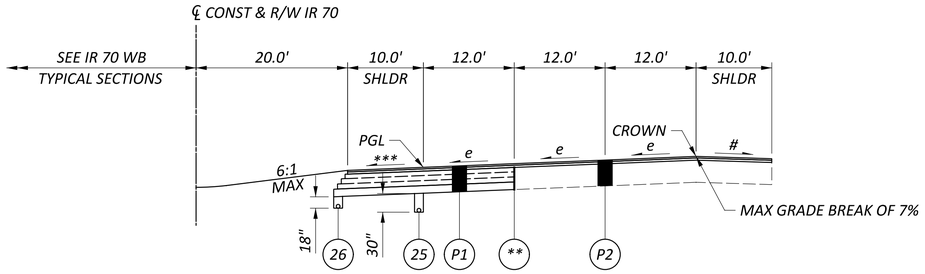
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0045 TOTAL P.1556

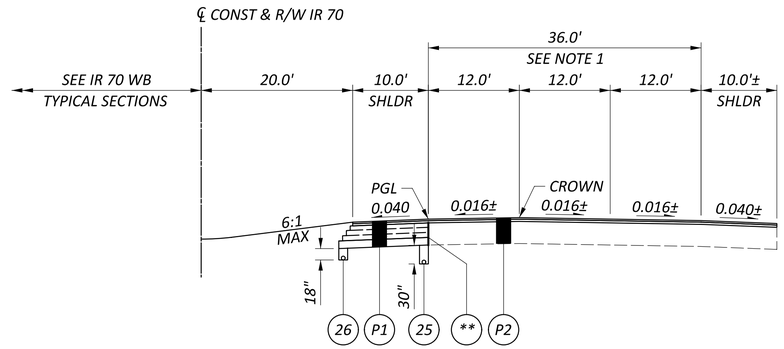
NOTES:
1. PAVEMENT WIDTH SHALL REMAIN 36' THROUGH LANE SHIFTS. SEE TRAFFIC CONTROL SHEETS FOR DETAILS.

e = SUPERELEVATION RATE
* SEE SUPERELEVATION TABLES FOR RAMP RATES
*** 0.040 OR RATE OF SUPER IF GREATER
# VARIES 0.04 TO 0.01 BASED ON GRADE BREAK



SUPERELEVATED SECTION - IR 70 EB

STA. 135+10.00 TO STA. 139+75.00



NORMAL SECTION - IR 70 EB

STA. 139+75.00 TO STA. 167+00.00

LIC-00070-00.740 R
APPROACH SLAB = STA. 164+60.12 TO STA. 164+90.12, SEE SHEET P.0050
STRUCTURE = STA. 164+90.12 TO STA. 165+97.00
APPROACH SLAB = STA. 165+97.00 TO STA. 166+27.00, SEE SHEET P.0050

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

DESIGN AGENCY: MODJESKI STRUCTUREPOINT LLC
DESIGNER: AJO
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0046 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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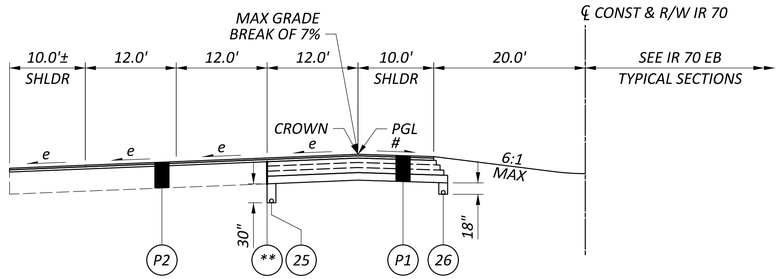
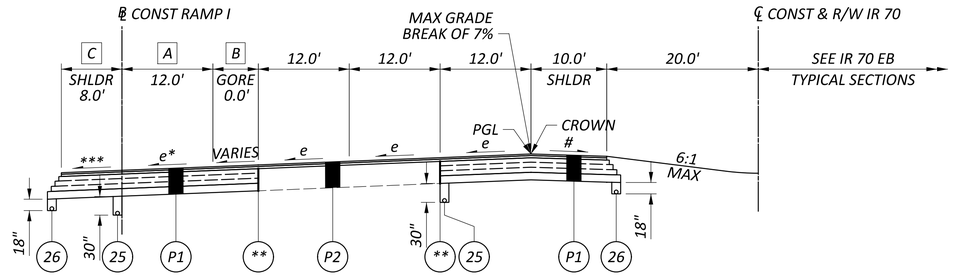


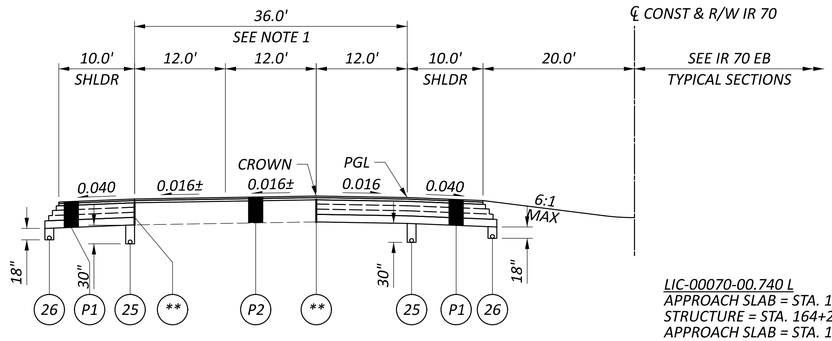
SUPERELEVATED SECTION - IR 70 WB

STA. 113+75.00 TO STA. 124+85.56



NORMAL SECTION - IR 70 WB

STA. 124+85.56 TO STA. 139+75.00



NORMAL SECTION - IR 70 WB

STA. 139+75.00 TO STA. 167+00.00

NOTES:
1. PAVEMENT WIDTH SHALL REMAIN 36' THROUGH LANE SHIFTS. SEE TRAFFIC CONTROL SHEETS FOR DETAILS.

e = SUPERELEVATION RATE
* SEE SUPERELEVATION TABLES FOR RAMP RATES
*** 0.040 OR RATE OF SUPER IF GREATER
\# VARIES 0.04 TO 0.01 BASED ON GRADE BREAK

A 16.00' FROM STA. 124+85.56 TO STA. 128+35.72
TAPERS FROM 16.0' AT STA. 128+35.72 TO 12.0' AT STA. 130+61.88
12.0' FROM STA. 130+61.88 TO STA. 136+00.00
TAPERS FROM 12.0' AT STA. 136+00.00 TO 0.0' AT STA. 137+00.00
0.00' FROM STA. 137+00.00 TO STA. 139+75.00

B TAPERS FROM 23.0' AT STA. 124+85.56 TO 0.0' AT STA. 128+35.72
0.0' FROM STA. 128+35.72 TO STA. 139+75.00

C TAPERS FROM 8.0' AT STA. 136+00.00 TO 10.0' AT STA. 137+00.00
10.0' FROM STA. 137+00.00 TO STA. 139+75.00

LIC-00070-00.740 L
APPROACH SLAB = STA. 163+98.00 TO STA. 164+28.00, SEE SHEET P.0050
STRUCTURE = STA. 164+28.00 TO STA. 165+34.87
APPROACH SLAB = STA. 165+34.87 TO STA. 165+64.87, SEE SHEET P.0050

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
- CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
- LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
- ** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

- A EXIST 22"± ASPHALT CONCRETE
- B EXIST 6"± AGGREGATE
- C EXIST 13"± ASPHALT CONCRETE
- D EXIST 6"± AGGREGATE
- E EXIST 12"± ASPHALT CONCRETE
- F EXIST 8"± AGGREGATE
- G EXIST CURB
- H EXIST CURB AND GUTTER
- I EXIST 4" CONCRETE SIDEWALK
- J EXIST 9.25"± ASPHALT CONCRETE
- K EXIST 3"± ASPHALT CONCRETE
- L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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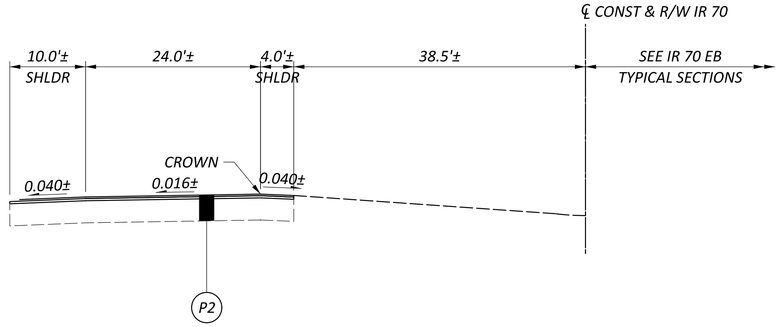
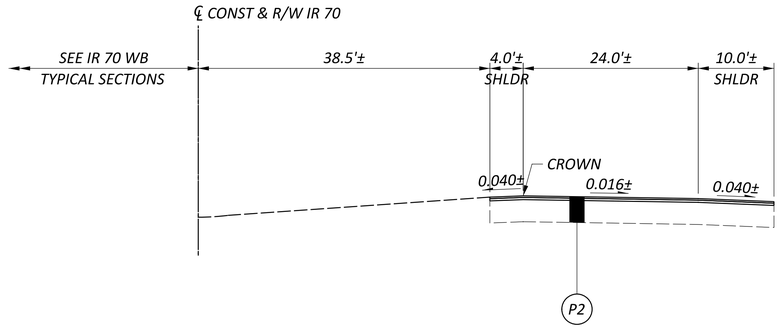
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0047 TOTAL P.1556



RESURFACING SECTION - IR 70 WB

STA. 167+00.00 TO STA. 186+00.00



RESURFACING SECTION - IR 70 EB

STA. 167+00.00 TO STA. 186+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

**. SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - IR 70

FAI/LIC-IR 70-0.00/0.00

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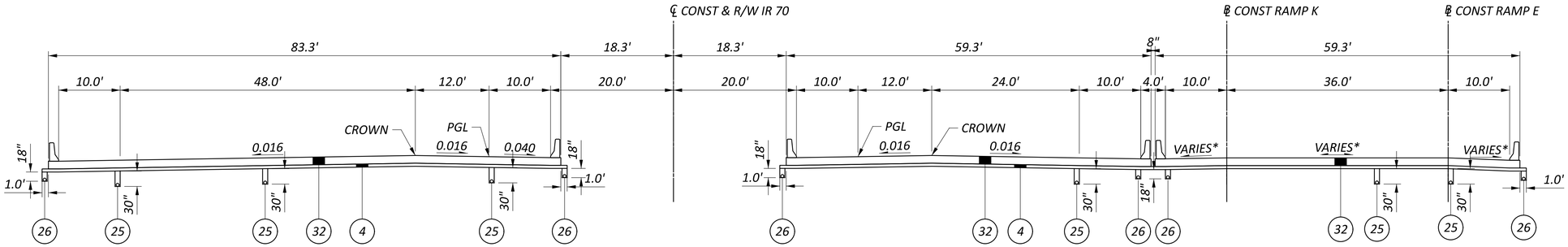
DESIGN AGENCY: STRUCTUREPOINT INC.
DESIGNER: AJO
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0048 TOTAL: P.1556

* SEE SUPERELEVATION TABLES



APPROACH SLAB SECTION - IR 70 WB

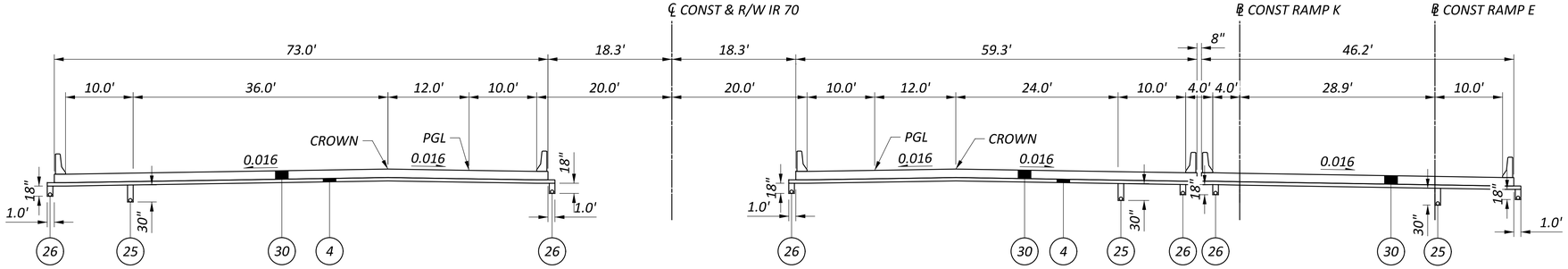
STA. 43+92.75 TO STA. 44+17.75

STA. 45+65.50 TO STA. 45+90.50

APPROACH SLAB SECTION - IR 70 EB

STA. 43+92.75 TO STA. 44+17.75

STA. 45+65.50 TO STA. 45+90.50



APPROACH SLAB SECTION - IR 70 WB

STA. 62+71.87 TO STA. 63+01.87

STA. 64+45.92 TO STA. 64+75.92

APPROACH SLAB SECTION - IR 70 EB

STA. 62+59.12 TO STA. 62+89.12

STA. 64+33.16 TO STA. 64+63.16

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - APPROACH SLABS

FAI/LIC-IR 70-0.00/0.00

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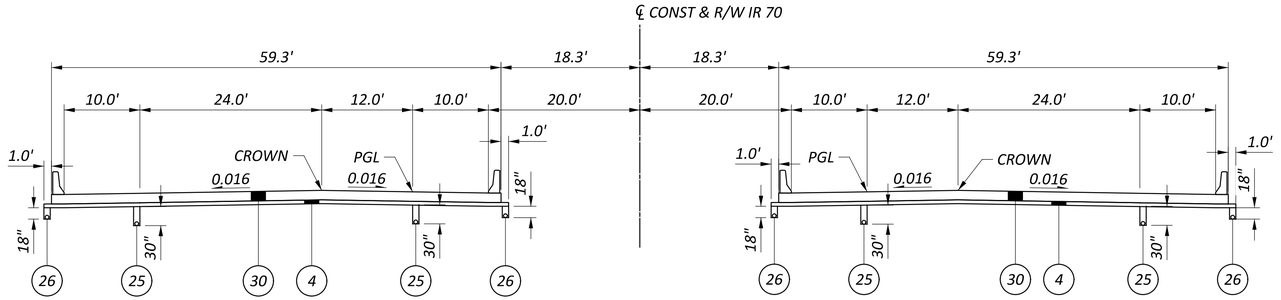
DESIGN AGENCY
MIDWEST STRUCTUREPOINT INC.

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0049
TOTAL	P.1556



APPROACH SLAB SECTION - IR 70 WB

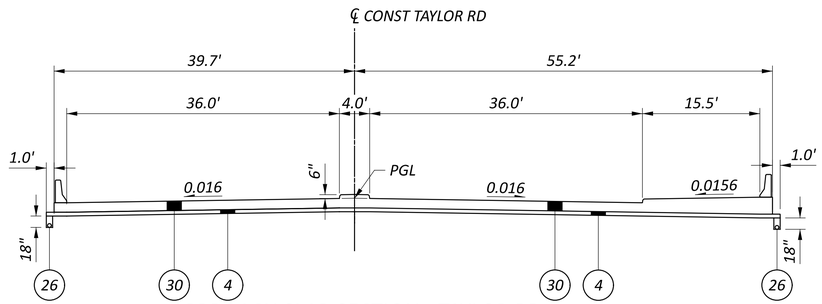
STA. 163+98.00 TO STA. 164+28.00

STA. 165+34.87 TO STA. 165+64.87

APPROACH SLAB SECTION - IR 70 EB

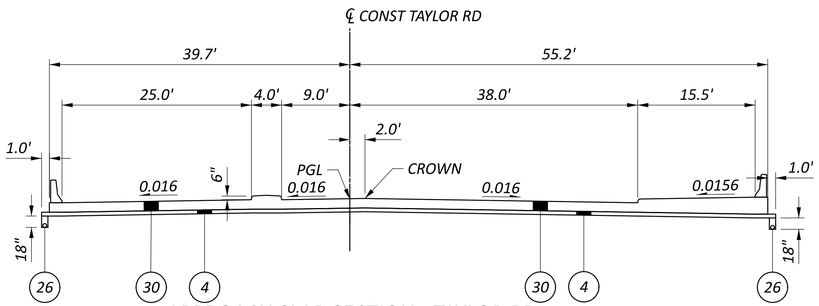
STA. 164+60.12 TO STA. 164+90.12

STA. 165+97.00 TO STA. 166+27.00



APPROACH SLAB SECTION - TAYLOR RD

STA. 39+56.99 TO STA. 39+86.99



APPROACH SLAB SECTION - TAYLOR RD

STA. 42+27.19 TO STA. 42+57.19

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - APPROACH SLABS

FAI/LIC-IR 70-0.00/0.00

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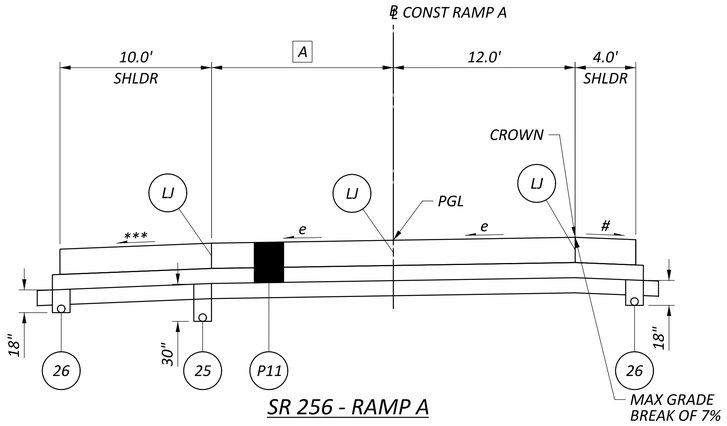
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808401-Engineering_StructurePoint\Roadway\Sheets\96808_GY302.dgn

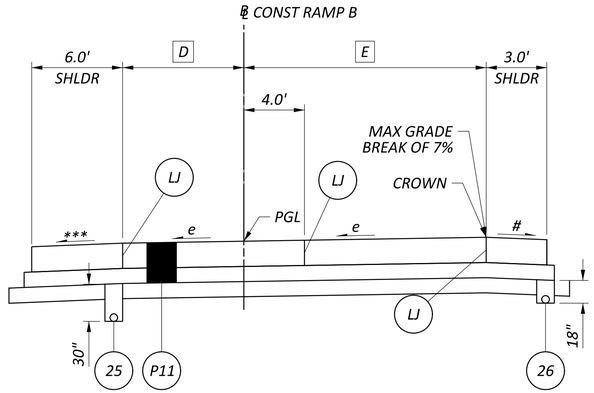
DESIGN AGENCY
MICHAEL STRUCTUREPOINT INC.

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0050
TOTAL	P.1556



SR 256 - RAMP A

STA. 57+23.08 TO STA. 61+27.39



SR 256 - RAMP B

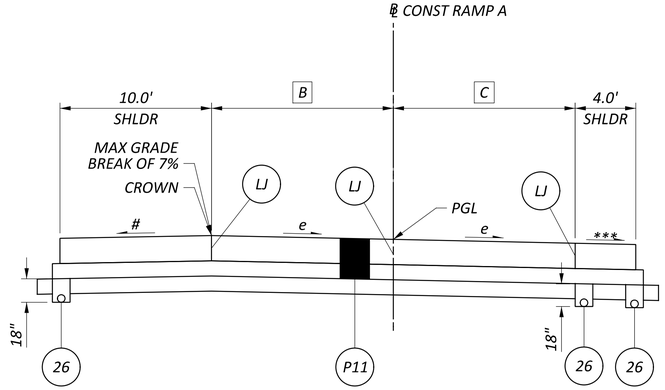
STA. 64+51.08 TO STA. 68+25.00

e = SUPERELEVATION RATE
**** 0.040 OR RATE OF SUPER, IF GREATER.*
 # VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

A *TAPERS FROM 14.8' AT STA. 57+23.08 TO 12.0' AT STA. 61+27.39*

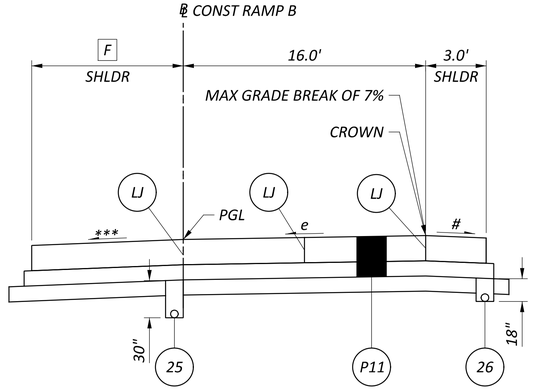
D *VARIES FROM STA. 64+51.08 TO STA. 65+17.87*
8.0' FROM STA. 65+17.87 TO STA. 67+75.00
TAPERS FROM 8.0' AT STA. 67+75.00 TO 0.0' AT STA. 68+25.00

E *18.0' FROM STA. 64+51.08 TO STA. 64+61.63*
TAPERS FROM 18.0' AT STA. 64+61.63 TO 16.0' AT STA. 64+86.63
16.0' FROM STA. 64+86.63 TO STA. 68+25.00



SR 256 - RAMP A

STA. 61+27.39 TO STA. 64+37.62



SR 256 - RAMP B

STA. 68+25.00 TO STA. 72+94.95

B *12.0' FROM STA. 61+27.17 TO STA. 63+76.25*
VARIES FROM STA. 63+76.25 TO STA. 64+37.62

C *VARIES 12.0' AT STA. 61+27.17 TO 17.50' AT STA. 61+99.46*
17.5' FROM STA. 61+99.46 TO STA. 63+67.33
VARIES FROM STA. 63+67.33 TO STA. 64+37.62

F *6.0' FROM STA. 68+25.00 TO STA. 71+94.95*
TAPERS FROM 6.0' AT STA. 71+94.95 TO 10.0' AT STA. 72+94.95

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. *ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)*
2. *ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)*
3. *ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")*
4. *ITEM 304 - 6" AGGREGATE BASE*
5. *ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)*
6. *ITEM 204 - SUBGRADE COMPACTION*
7. *ITEM 204 - PROOF ROLLING*
8. *ITEM 609 - 6" CONCRETE TRAFFIC ISLAND*
9. *ITEM 304 - 4" AGGREGATE BASE*
10. *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D*
11. *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C*
12. *ITEM 659 - SEEDING AND MULCHING*
13. *ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE*
14. *ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
15. *ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)*
16. *ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
17. *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)*
18. *ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22*
19. *ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)*
20. *ITEM 609 - CURB, TYPE 6*
21. *ITEM 609 - CURB, TYPE 2-A*
22. *ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2*
23. *ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"*
24. *ITEM 608 - 4" CONCRETE WALK*
25. *ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS*
26. *ITEM 605 - 6" BASE PIPE UNDERDRAINS*
27. *ITEM 606 - GUARDRAIL, TYPE MGS*
28. *ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION*
29. *ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE*
30. *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")*
31. *ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22*
32. *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")*
33. *ITEM 607 - FENCE, MISC: WOOD FENCE*
34. *ITEM 605 - AGGREGATE DRAINS*
35. *ITEM 609 - CURB, TYPE 3, APP*
36. *ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP*

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

*** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY*

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMPS A & B

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0051 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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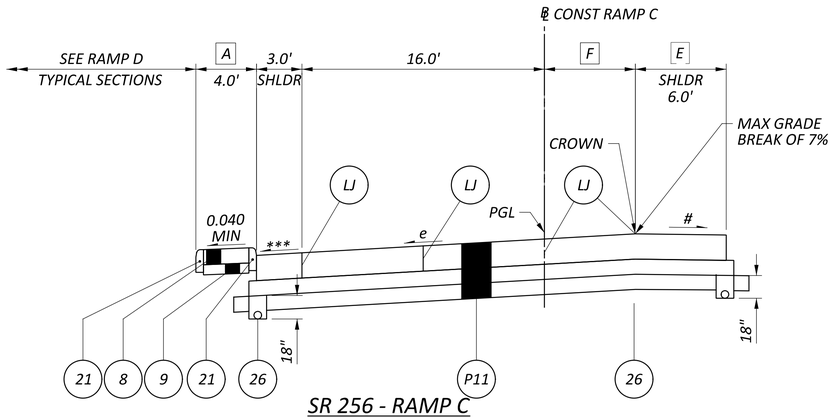
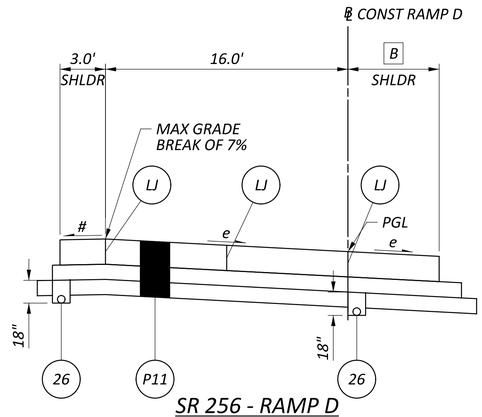
e = SUPERELEVATION RATE
*** 0.040 OR RATE OF SUPER, IF GREATER.
# VARIES 0.040 TO 0.010 BASED ON GRADE BREAK



SR 256 - RAMP C

STA. 60+81.49 TO STA. 68+36.53



SR 256 - RAMP D

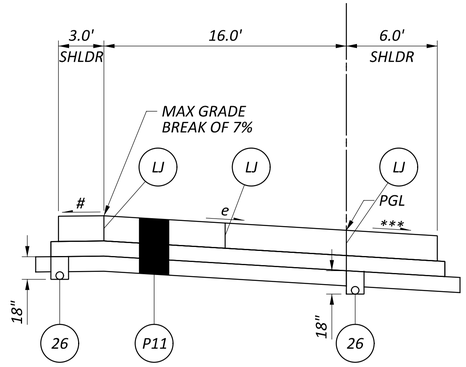
STA. 66+85.42 TO STA. 72+50.00

A 0.0' FROM STA. 60+81.49 TO STA. 61+11.22
4.0' FROM STA. 61+11.22 TO STA. 67+39.42
VARIES 4.0' AT STA. 67+39.42 TO 11.1' AT STA. 68+36.53

B VARIES 10.0' AT STA. 66+85.42 TO 6.0' AT STA. 67+85.42
6.0' FROM STA. 67+85.42 TO STA. 72+50.00

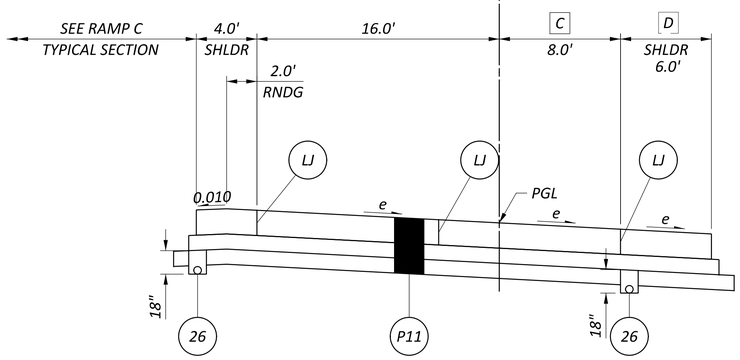
E VARIES FROM STA. 60+81.49 TO STA. 62+00.61
6.0' FROM STA. 62+00.61 TO STA. 68+36.53

F VARIES FROM STA. 60+81.49 TO STA. 62+00.61
0.00' FROM STA. 62+00.61 TO STA. 68+36.53



SR 256 - RAMP C

STA. 68+36.53 TO 75+45.07



SR 256 - RAMP D

STA. 72+50.00 TO STA. 79+57.26

C TAPERS FROM 0.0' AT STA. 72+50.00 TO 8.0' AT STA. 73+00.00
8.0' FROM STA. 73+00.00 TO STA. 78+89.21
VARIES FROM STA. 78+89.21 TO STA. 79+57.26

D 6.0' FROM STA. 72+50.00 TO STA. 78+89.21
VARIES FROM STA. 78+89.21 TO STA. 79+57.26

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMPS C & D

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0052 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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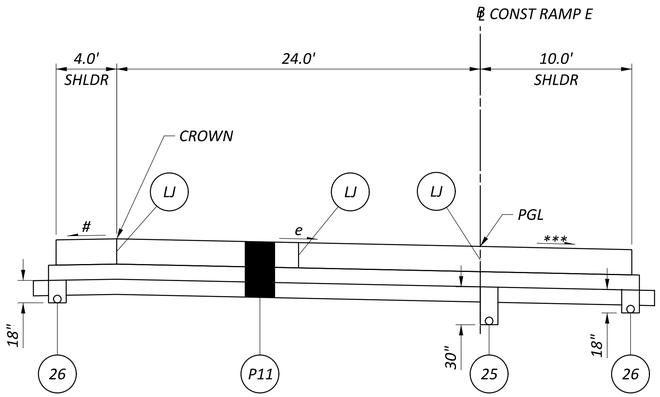
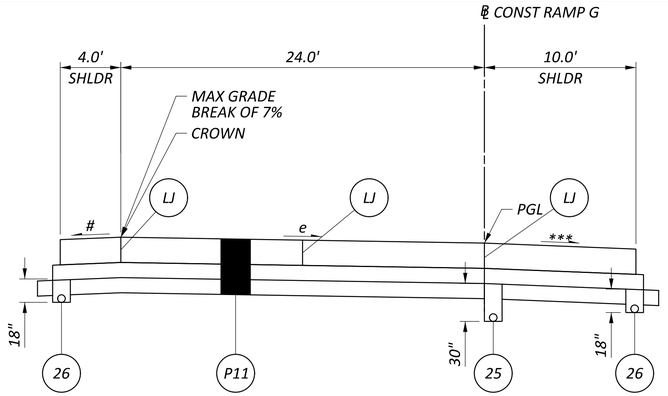


SR 256 - RAMP E

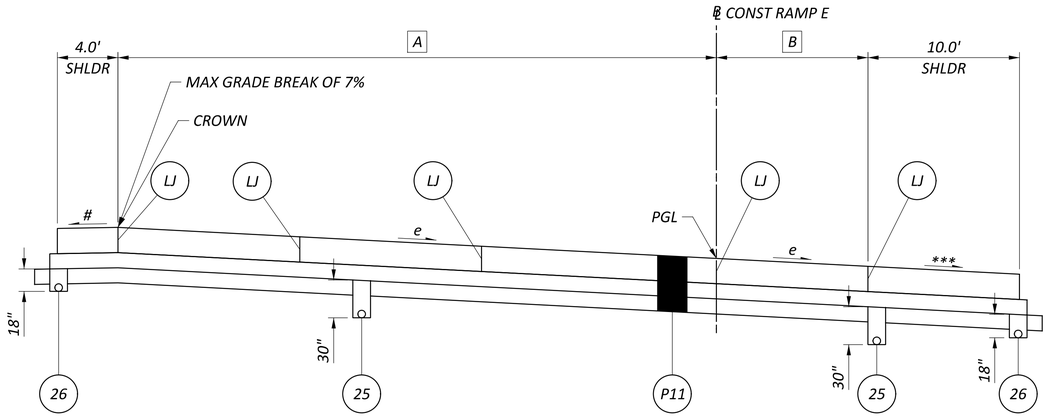
STA. 55+93.50 TO STA. 57+00.00



TAYLOR ROAD - RAMP G

STA. 102+10.95 TO STA. 104+20.00

e = SUPERELEVATION RATE
**** 0.040 OR RATE OF SUPER, IF GREATER.*
 # VARIES 0.040 TO 0.010 BASED ON GRADE BREAK



SR 256 - RAMP E

STA. 57+00.00 TO STA. 64+39.49

[A] *TAPERS FROM 24.0' AT STA. 57+00.00 TO 36.0' AT STA. 58+00.00*
36.0' FROM STA. 58+00.00 TO STA. 64+39.49

[B] *0.0' FROM STA. 57+00.00 TO STA. 58+73.60*
VARIES 0.0' AT STA. 58+73.60 TO 13.5' AT STA. 60+73.60
13.5' FROM STA. 60+73.60 TO STA. 62+39.49
VARIES FROM 13.5' AT STA. 62+39.49 TO 0.0' AT STA. 64+39.49

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) *ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)*
(2) *ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)*
(3) *ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")*
(4) *ITEM 304 - 6" AGGREGATE BASE*
(5) *ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)*
(6) *ITEM 204 - SUBGRADE COMPACTION*
(7) *ITEM 204 - PROOF ROLLING*
(8) *ITEM 609 - 6" CONCRETE TRAFFIC ISLAND*
(9) *ITEM 304 - 4" AGGREGATE BASE*
(10) *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D*
(11) *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C*
(12) *ITEM 659 - SEEDING AND MULCHING*
(13) *ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE*
(14) *ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
(15) *ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)*
(16) *ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
(17) *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)*
(18) *ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22*
(19) *ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)*
(20) *ITEM 609 - CURB, TYPE 6*
(21) *ITEM 609 - CURB, TYPE 2-A*
(22) *ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2*
(23) *ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"*
(24) *ITEM 608 - 4" CONCRETE WALK*
(25) *ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS*
(26) *ITEM 605 - 6" BASE PIPE UNDERDRAINS*
(27) *ITEM 606 - GUARDRAIL, TYPE MGS*
(28) *ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION*
(29) *ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE*
(30) *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")*
(31) *ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22*
(32) *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")*
(33) *ITEM 607 - FENCE, MISC: WOOD FENCE*
(34) *ITEM 605 - AGGREGATE DRAINS*
(35) *ITEM 609 - CURB, TYPE 3, APP*
(36) *ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP*
(CJ) *CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15*
(LJ) *LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1*
(**) *SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY*

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMP E

FAI/LIC-IR 70-0.00/0.00

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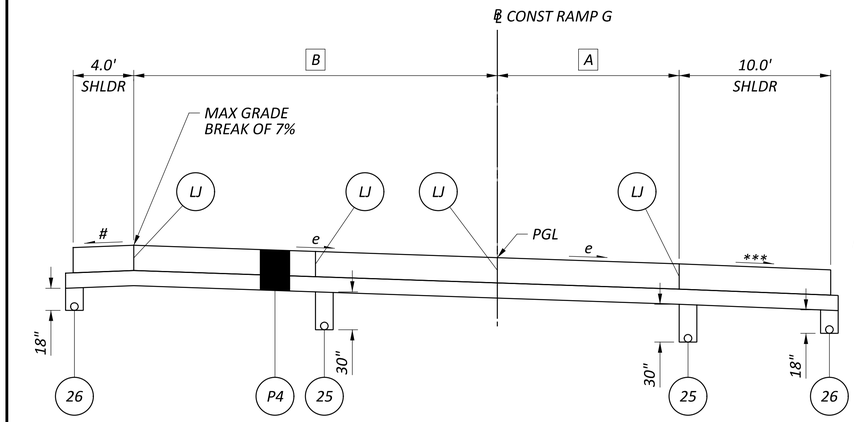
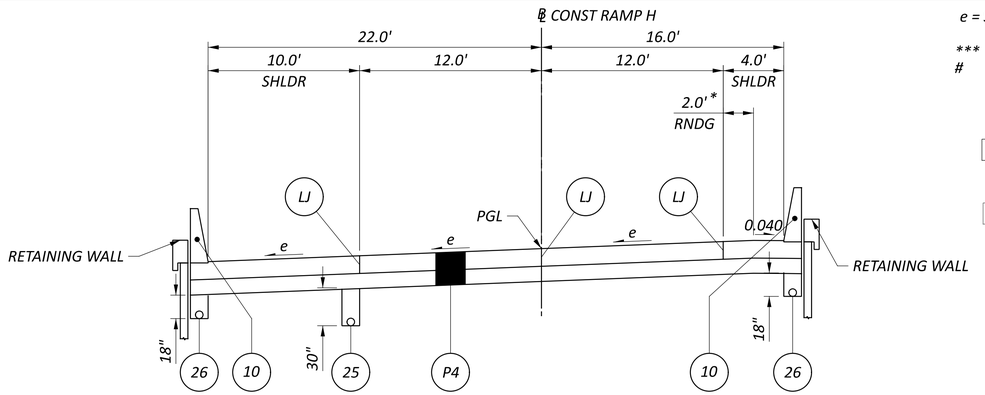
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0053 TOTAL P.1556



TAYLOR ROAD - RAMP G

STA. 104+20.00 TO STA. 111+45.15



TAYLOR ROAD - RAMP H

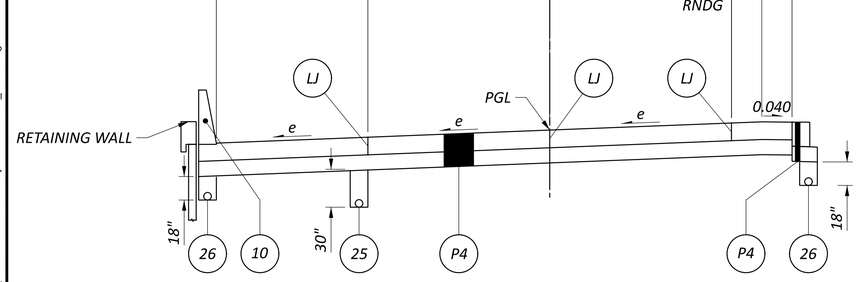
STA. 103+00.00 TO STA. 108+25.00

e = SUPERELEVATION RATE

*** 0.040 OR RATE OF SUPER, IF GREATER.
# VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

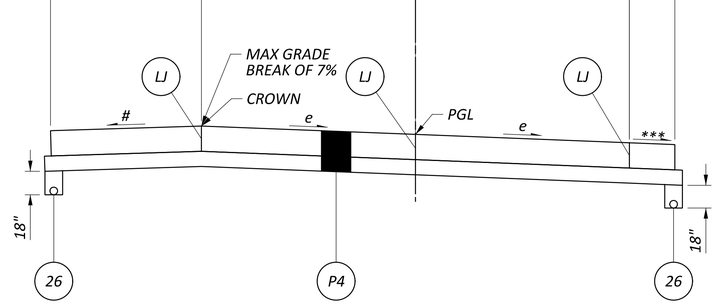
A VARIES FROM 0.0' AT STA. 104+20.00 TO 12.0' AT STA. 104+70.00
12.0' FROM STA. 104+70.00 TO STA. 110+94.23
VARIES FROM STA. 110+94.23 TO STA. 111+45.15

B 24.0' FROM STA. 104+20.00 TO STA. 111+18.78
VARIES FROM STA. 111+18.78 TO STA. 111+45.15



TAYLOR ROAD - RAMP H

STA. 108+25.00 TO STA. 108+50.00



IR 70 - RAMP H

STA. 108+50.00 TO STA. 113+26.61

C 12.0' FROM STA. 108+50.00 TO STA. 112+58.58
VARIES FROM STA. 112+58.58 TO STA. 113+26.61

D 12.0' FROM STA. 108+50.00 TO STA. 112+96.87
VARIES FROM STA. 112+96.87 TO STA. 113+26.61

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMPS G & H

FAI/LIC-IR 70-0.00/0.00

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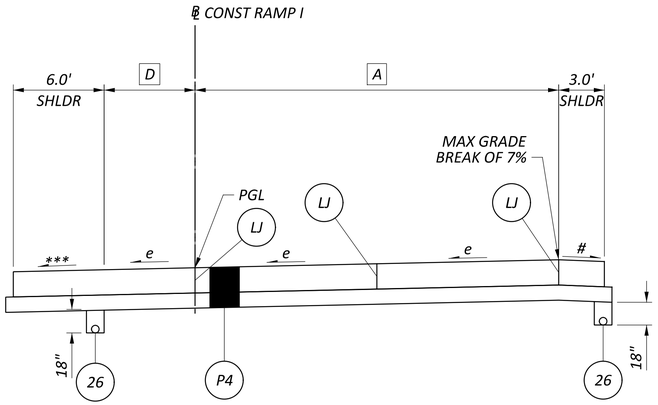
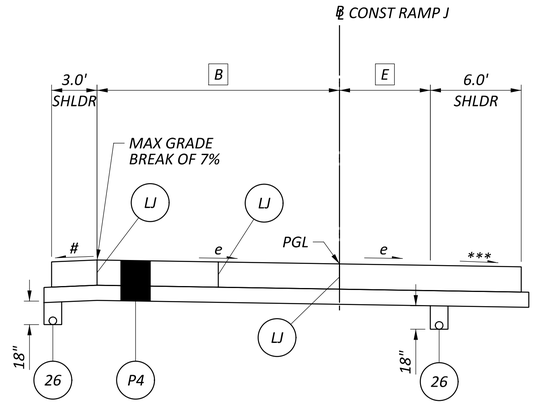
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0054 TOTAL P.1556



TAYLOR ROAD - RAMP I

STA. 114+45.28 TO STA. 120+65.00

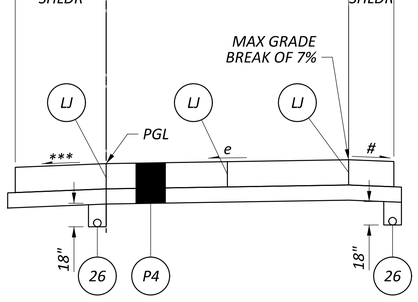


TAYLOR ROAD - RAMP J

STA. 110+54.90 TO STA. 114+65.38

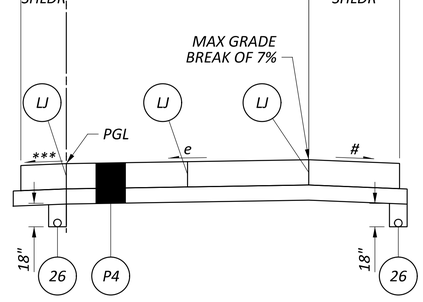
e = SUPERELEVATION RATE
**** 0.040 OR RATE OF SUPER, IF GREATER.*
 # VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

- A — *VARIES FROM STA. 114+45.28 TO STA. 114+50.86*
  24.0' FROM STA. 114+50.86 TO STA. 119+00.00
  TAPERS FROM 24.0' AT STA. 119+00.00 TO 16.0' AT STA. 119+50.00
  16.0' FROM STA. 119+50.00 TO STA. 120+65.00
- B — *VARIES FROM STA. 110+54.90 TO STA. 111+29.92*
  18.0' FROM STA. 111+29.92 TO STA. 119+00.00
- D — *VARIES FROM STA. 114+45.28 TO STA. 115+14.83*
- E — *VARIES FROM STA. 110+54.90 TO STA. 111+22.58*



TAYLOR ROAD - RAMP I

STA. 120+65.00 TO STA. 125+02.59



TAYLOR ROAD - RAMP J

STA. 114+65.38 TO STA. 120+44.38

- C — *6.0' FROM STA. 120+65.00 TO STA. 124+52.59*
  TAPERS FROM 6.0' AT STA. 124+52.59 TO 8.0' AT STA. 125+02.59

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. *ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)*
2. *ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)*
3. *ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")*
4. *ITEM 304 - 6" AGGREGATE BASE*
5. *ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)*
6. *ITEM 204 - SUBGRADE COMPACTION*
7. *ITEM 204 - PROOF ROLLING*
8. *ITEM 609 - 6" CONCRETE TRAFFIC ISLAND*
9. *ITEM 304 - 4" AGGREGATE BASE*
10. *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D*
11. *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C*
12. *ITEM 659 - SEEDING AND MULCHING*
13. *ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE*
14. *ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
15. *ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)*
16. *ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
17. *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)*
18. *ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22*
19. *ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)*
20. *ITEM 609 - CURB, TYPE 6*
21. *ITEM 609 - CURB, TYPE 2-A*
22. *ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2*
23. *ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"*
24. *ITEM 608 - 4" CONCRETE WALK*
25. *ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS*
26. *ITEM 605 - 6" BASE PIPE UNDERDRAINS*
27. *ITEM 606 - GUARDRAIL, TYPE MGS*
28. *ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION*
29. *ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE*
30. *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")*
31. *ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22*
32. *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")*
33. *ITEM 607 - FENCE, MISC: WOOD FENCE*
34. *ITEM 605 - AGGREGATE DRAINS*
35. *ITEM 609 - CURB, TYPE 3, APP*
36. *ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP*

CJ — CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
LJ — LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
*** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY*

- A — EXIST 22"± ASPHALT CONCRETE
- B — EXIST 6"± AGGREGATE
- C — EXIST 13"± ASPHALT CONCRETE
- D — EXIST 6"± AGGREGATE
- E — EXIST 12"± ASPHALT CONCRETE
- F — EXIST 8"± AGGREGATE
- G — EXIST CURB
- H — EXIST CURB AND GUTTER
- I — EXIST 4" CONCRETE SIDEWALK
- J — EXIST 9.25"± ASPHALT CONCRETE
- K — EXIST 3"± ASPHALT CONCRETE
- L — EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMPS I & J

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0055 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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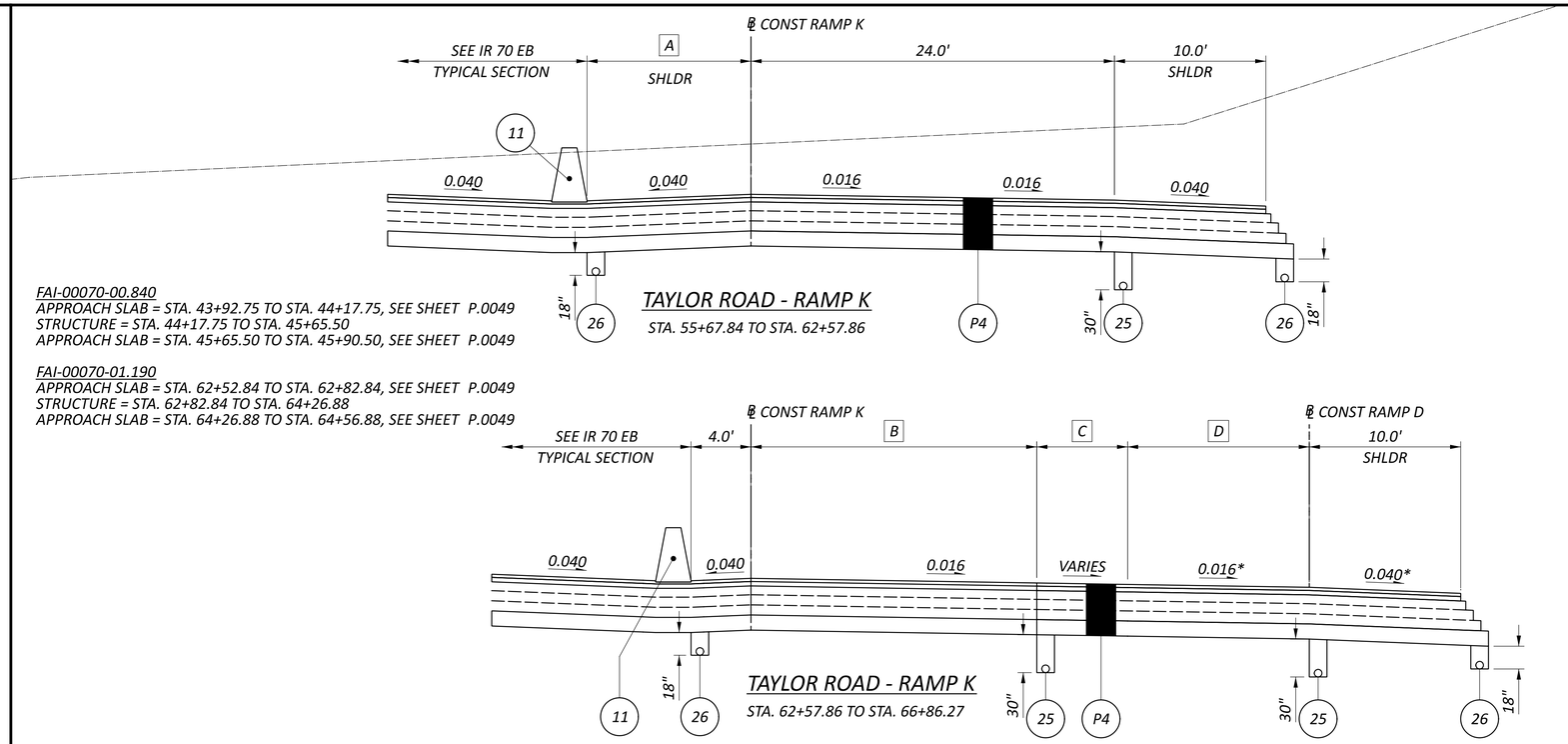

FAI-00070-00.840
APPROACH SLAB = STA. 43+92.75 TO STA. 44+17.75, SEE SHEET P.0049
STRUCTURE = STA. 44+17.75 TO STA. 45+65.50
APPROACH SLAB = STA. 45+65.50 TO STA. 45+90.50, SEE SHEET P.0049

FAI-00070-01.190
APPROACH SLAB = STA. 62+52.84 TO STA. 62+82.84, SEE SHEET P.0049
STRUCTURE = STA. 62+82.84 TO STA. 64+26.88
APPROACH SLAB = STA. 64+26.88 TO STA. 64+56.88, SEE SHEET P.0049

* = SUPERELEVATION RATE

A 10.0' FROM STA. 55+67.84 TO STA. 55+86.18
TAPRS FROM 10.0' AT STA. 55+86.18 TO 4.0' AT STA. 59+46.23
4.0' FROM STA. 59+46.23 TO STA. 62+57.86

B 24.0' FROM STA. 62+57.86 TO STA. 63+81.64
VARIES FROM 24.0' AT STA. 63+81.64 TO 28.0' AT STA. 66+86.27

C VARIES FROM 0.0' AT STA. 62+57.86 TO 16.0' AT STA. 66+86.27

D 12.0' FROM STA. 62+57.86 TO STA. 64+14.61
VARIES FROM 12.0' AT STA. 64+14.61 TO 16.0' AT STA. 66+86.27

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMP K

DESIGN AGENCY
MPEAY STRUCTUREPOINT INC

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0056
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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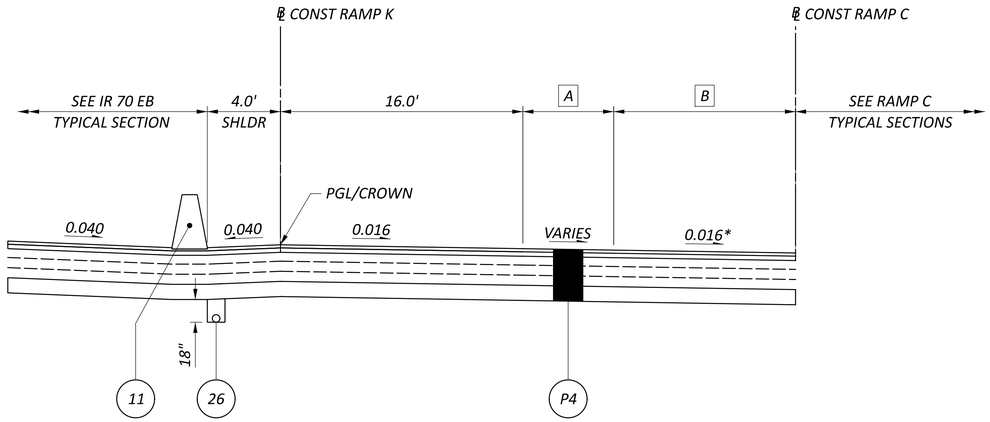
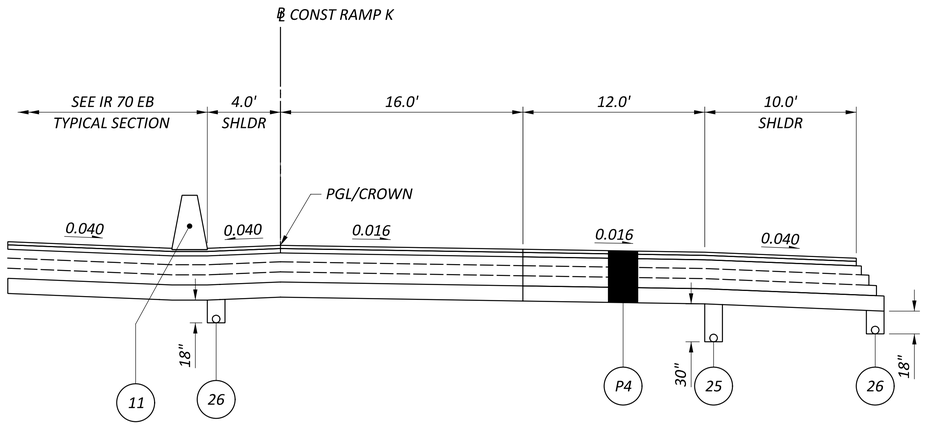


TAYLOR ROAD - RAMP K

STA. 75+47.96 TO STA. 84+05.20



TAYLOR ROAD - RAMP K

STA. 84+05.20 TO STA. 94+70.40

* = SUPERELEVATION RATE

A VARIES FROM 23.0' AT STA. 75+47.96 TO 0.0' AT STA. 82+05.04
0.0' FROM STA. 82+05.04 TO STA. 84+05.20

B VARIES FROM 16.0' AT STA. 75+47.96 TO 12.0' AT STA. 84+05.20

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMP K

FAI/LIC-IR 70-0.00/0.00

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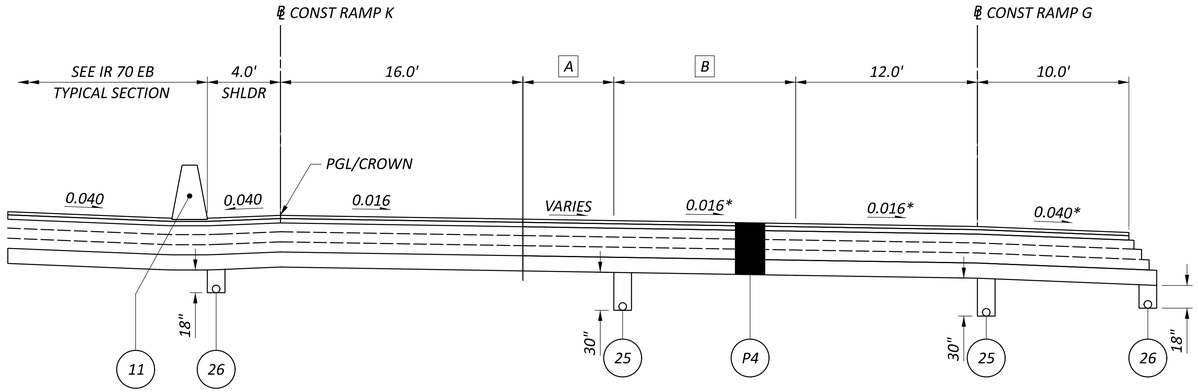
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0057 TOTAL P.1556



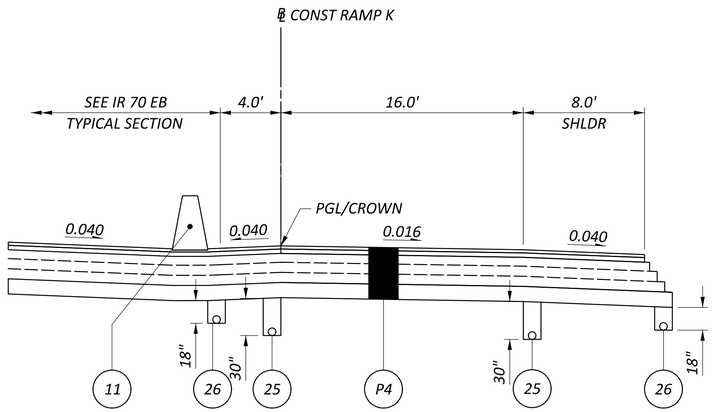
TAYLOR ROAD - RAMP K

STA. 94+70.40 TO STA. 102+12.45

* = SUPERELEVATION RATE

A 0.0' FROM STA. 94+70.40 TO STA 99+24.88
VARIES FROM 0.0' AT STA. 99+24.88 TO 20.0' AT STA. 102+12.45

B VARIES FROM 0.0' AT STA. 94+70.40 TO 12.0' AT STA. 99+24.88
12.0' FROM STA. 99+24.88 TO STA. 102+12.45



TAYLOR ROAD - RAMP K

STA. 102+12.45 TO STA. 102+55.20

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - RAMP K

FAI/LIC-IR 70-0.00/0.00

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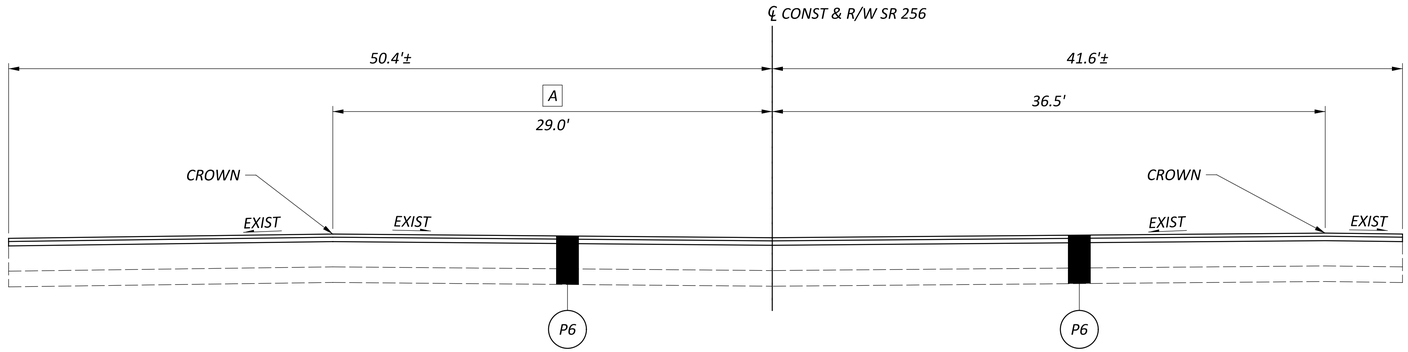
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

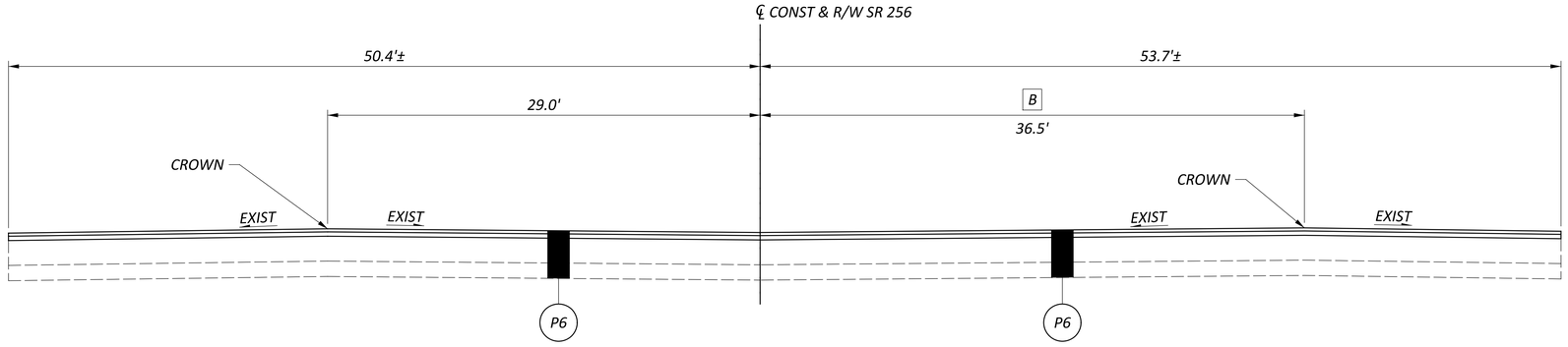
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0058 TOTAL P.1556



A VARIES FROM STA. 9+68.00 TO STA. 10+20.00
29.0' FROM STA. 10+20.00 TO STA. 12+69.00

RESURFACING SECTION - SR 256

STA. 9+68.00 TO STA. 12+69.00



B VARIES FROM STA. 12+69.00 TO STA. 13+23.93
36.5' FROM STA. 13+23.93 TO STA. 14+70.28

RESURFACING SECTION - SR 256

STA. 12+69.00 TO STA. 14+70.28

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

FAI/LIC-IR 70-0.00/0.00

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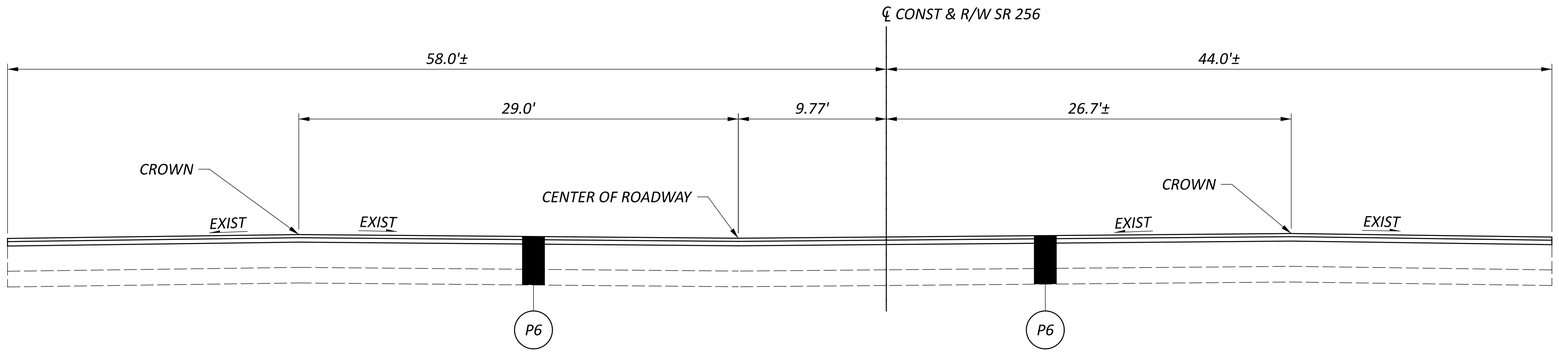
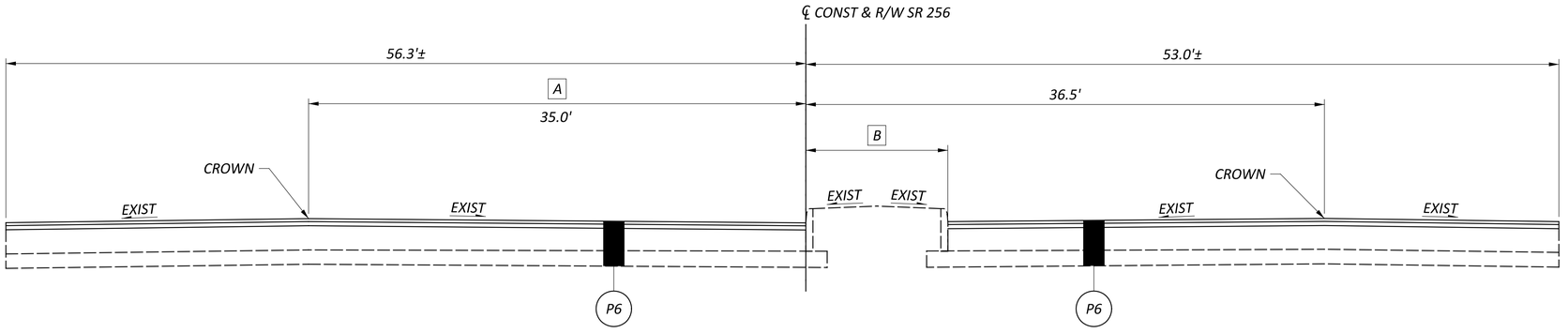
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0059
TOTAL	P.1556



RESURFACING SECTION - SR 256

STA. 14+70.28 TO STA. 15+50.00



RESURFACING SECTION - SR 256

STA. 15+50.00 TO STA. 16+95.14

A VARIES FROM STA. 15+50.00 TO STA. 16+95.14

B VARIES FROM STA. 15+50.00 TO STA. 16+95.14

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

FAI/LIC-IR 70-0.00/0.00

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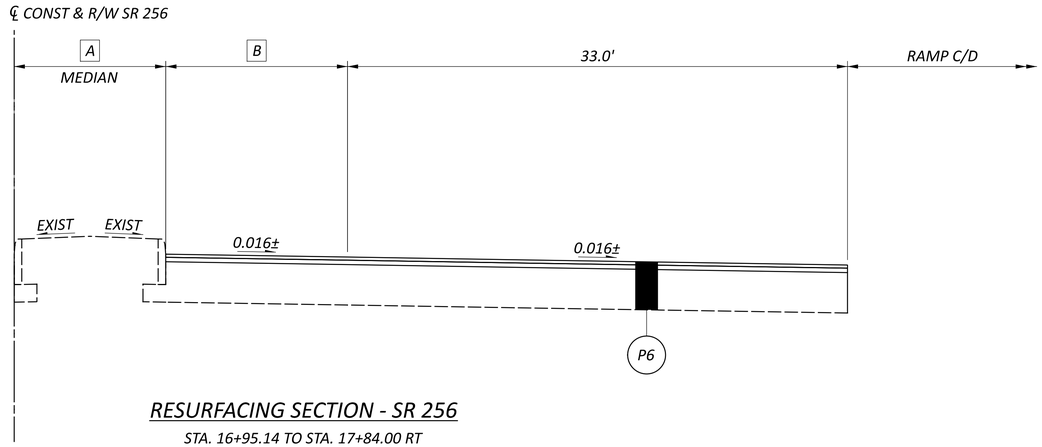
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0060 TOTAL P.1556

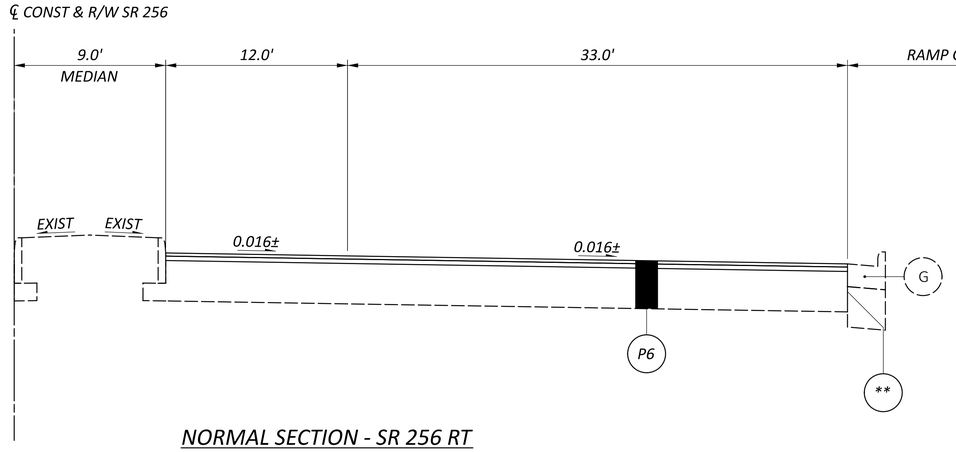


RESURFACING SECTION - SR 256

STA. 16+95.14 TO STA. 17+84.00 RT

A VARIES FROM STA. 16+95.14 TO STA. 17+84.00

B VARIES FROM STA. 16+95.14 TO STA. 17+84.00



NORMAL SECTION - SR 256 RT

STA. 17+84.00 TO STA. 17+93.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

FAI/LIC-IR 70-0.00/0.00

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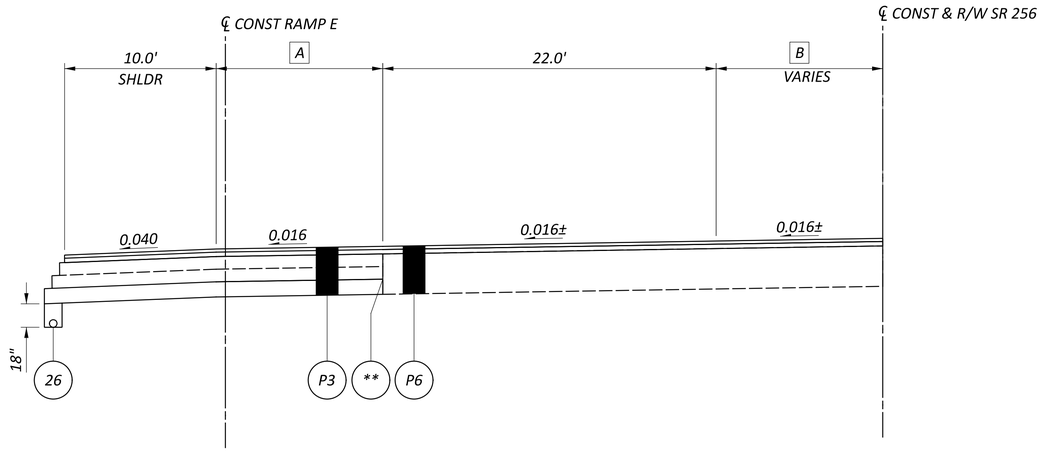
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0061 TOTAL P.1556



NORMAL SECTION - SR 256 LT

STA. 16+95.14 TO STA. 20+25.00

A VARIES FROM 11.3' AT STA. 16+95.14 TO 58.5' AT STA. 20+25.00

B VARIES FROM 13.0' AT STA 16+95.14 TO 15.0' AT STA 20+25.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

FAI/LIC-IR 70-0.00/0.00

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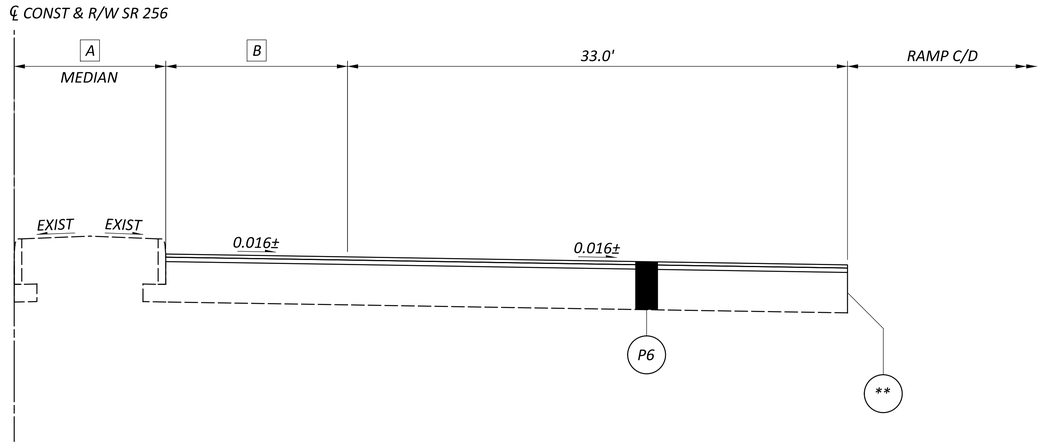
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0062 TOTAL P.1556



A 9.0' FROM STA. 17+93.00 TO STA. 18+66.28
0.0' FROM STA. 18+66.28 TO STA. 20+11.81

B 12.0' FROM STA. 17+93.00 TO STA. 18+66.28
8.0' FROM STA. 18+66.28 TO STA. 20+11.81

NORMAL SECTION - SR 256 RT

STA. 17+93.00 TO STA. 20+11.81

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0063 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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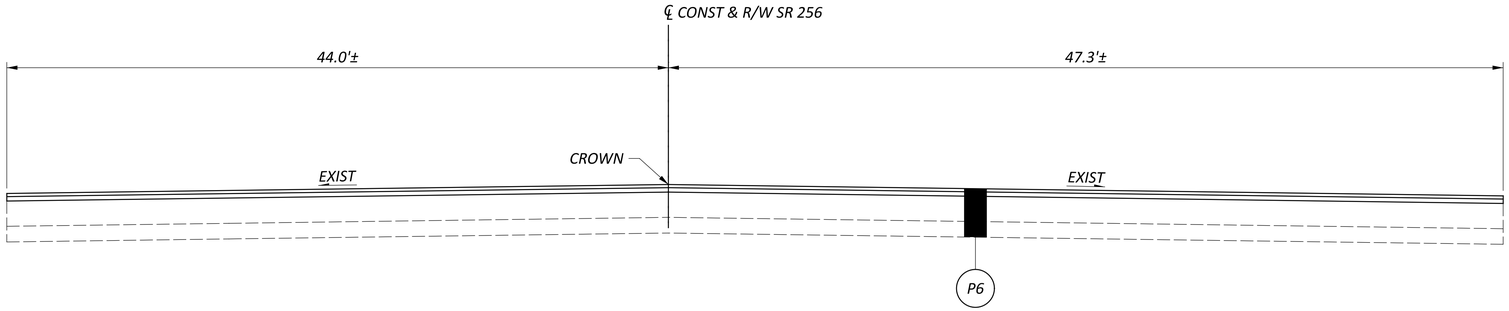
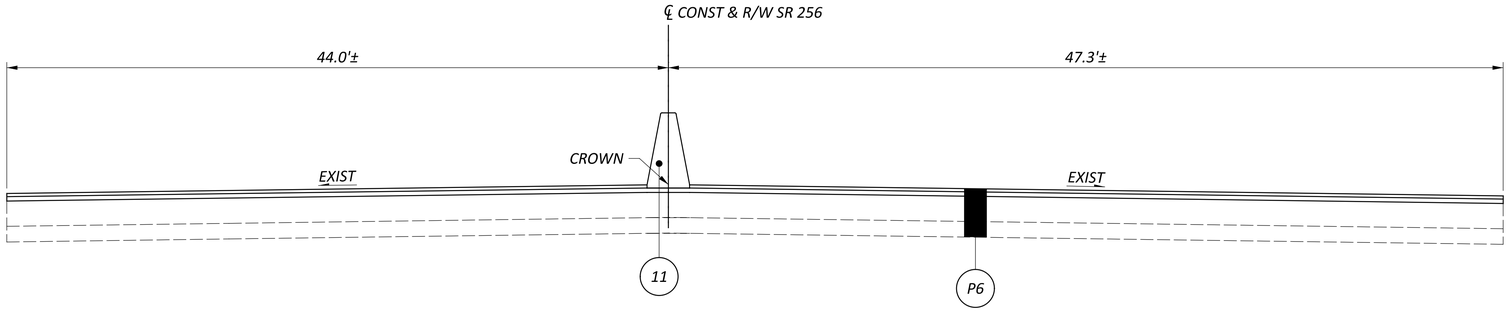


RESURFACING SECTION - SR 256

STA. 20+11.81 (RT) TO STA. 23+06.46
STA. 20+25.11 (LT) TO STA. 23+06.46
STA. 26+00.00 TO STA. 27+75.00



RESURFACING SECTION - SR 256

STA. 23+06.46 TO STA. 23+50.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A. EXIST 22"± ASPHALT CONCRETE
B. EXIST 6"± AGGREGATE
C. EXIST 13"± ASPHALT CONCRETE
D. EXIST 6"± AGGREGATE
E. EXIST 12"± ASPHALT CONCRETE
F. EXIST 8"± AGGREGATE
G. EXIST CURB
H. EXIST CURB AND GUTTER
I. EXIST 4" CONCRETE SIDEWALK
J. EXIST 9.25"± ASPHALT CONCRETE
K. EXIST 3"± ASPHALT CONCRETE
L. EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

FAI/LIC-IR 70-0.00/0.00

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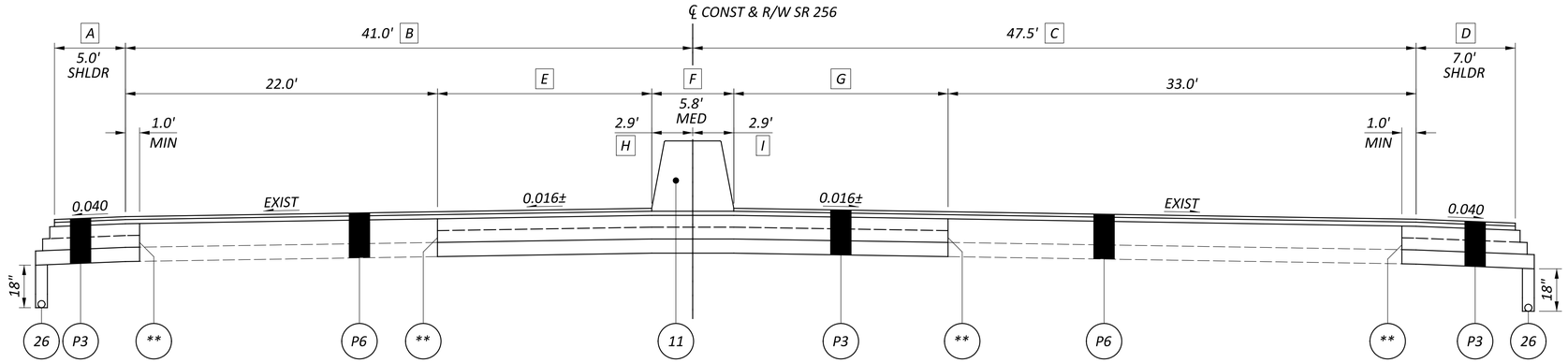
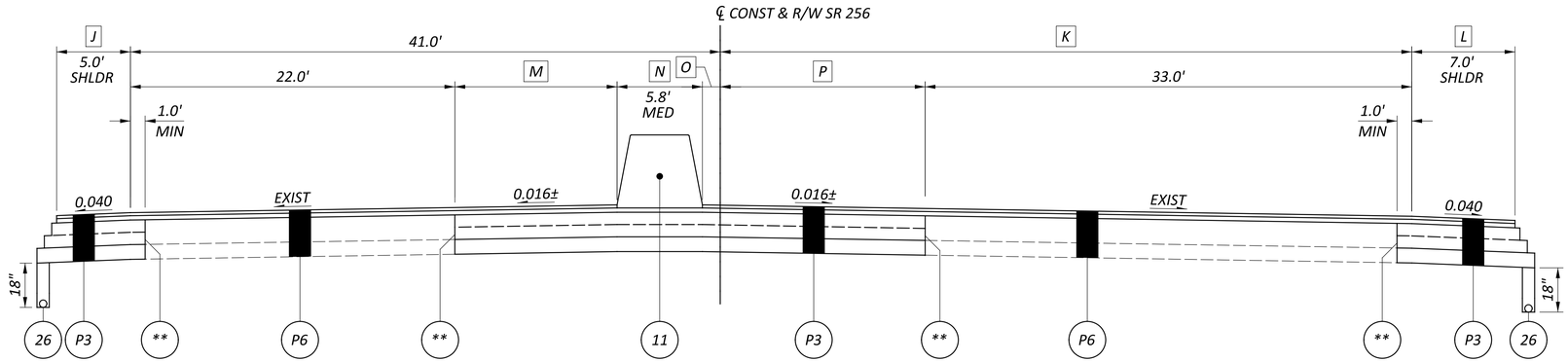
DESIGN AGENCY: STRUCTUREPOINT INC.
DESIGNER: AJO
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0064 TOTAL: P.1556



NORMAL SECTION - SR 256

STA. 23+50.00 TO STA. 25+08.76

- A — VARIES FROM 4.9' AT STA 23+50.00 TO 5.0' AT STA 23+55.00
  5.0' FROM STA. 23+55.00 TO STA. 25+08.76
- B — VARIES FROM 39.0' AT STA 23+50.00 TO 41.0' STA 25+00.00
  41.0' FROM STA. 25+00.00 TO STA. 25+08.76
- C — VARIES FROM 49.0' AT STA 23+50.00 TO 47.5' AT STA 24+00.00
  47.5' FROM STA. 24+00.00 TO STA. 24+79.62
  VARIES FROM 47.5' AT STA 24+79.62 TO 46.7' AT STA 25+08.76
- D — VARIES FROM 7.1' AT STA 23+50.00 TO 7.0' AT STA 23+55.00
  7.0' FROM STA. 23+55.00 TO STA. 25+08.76
- E — VARIES FROM 17.0' AT STA 23+50.00 TO 14.5' AT STA 23+76.46
  VARIES FROM 14.5' AT STA 23+76.46 TO 15.9' AT STA 24+79.62
  VARIES FROM 15.9' AT STA 24+79.62 TO 13.2' AT STA 25+08.76
- F — VARIES FROM 3.8' AT STA 23+50.00 TO 5.8' AT STA 23+76.46
  5.8' FROM STA. 23+76.46 TO STA. 25+08.76
- G — VARIES FROM 14.1' AT STA 23+50.00 TO 12.3' AT STA 23+76.46
  VARIES FROM 12.3' AT STA 23+76.46 TO 11.6' AT STA 24+79.62
  VARIES FROM 11.6' AT STA 24+79.62 TO 13.7' AT STA 25+08.76
- H — 2.9' FROM STA. 23+50.00 TO STA. 24+79.62
  VARIES FROM 2.9' AT STA 24+79.62 TO 5.8' AT STA 25+08.76
- I — 2.9' FROM STA. 23+50.00 TO STA. 24+79.62
  VARIES FROM 2.9' AT STA 24+79.62 TO 0.0' AT STA 25+08.76



NORMAL SECTION - SR 256

STA. 25+08.76 TO STA. 26+00.00

- J — 5.0' FROM STA. 25+08.76 TO STA. 25+85.00
  VARIES FROM 5.0' AT STA 25+85.00 TO 2.3' AT STA 26+00.00
- K — VARIES FROM 46.7' AT STA 25+08.67 TO 44.0' AT STA 26+00.00
- L — 7.0' FROM STA. 25+08.76 TO STA. 25+30.00
  VARIES FROM 7.0' AT STA 25+30.00 TO 4.3' AT STA 26+00.00
- M — VARIES FROM 13.2' AT STA 25+08.76 TO 12.1' AT STA 25+88.35
  VARIES FROM 12.1' AT STA 25+88.35 TO AT 12.8' STA 26+00.00
- N — 5.8' FROM STA. 25+08.76 TO STA. 25+88.35
  VARIES FROM 5.8' AT STA 25+88.35 TO 4.9' AT STA 26+00.00
- O — VARIES FROM 0.0' AT STA 25+08.76 TO 1.1' AT STA 25+88.35
  VARIES FROM 1.1' AT STA 25+88.35 TO 1.5' AT STA 26+00.00
- P — VARIES FROM 13.7' AT STA 25+08.76 TO 13.4' AT STA 25+88.35
  VARIES FROM 13.4' AT STA 25+88.35 TO 11.0' AT STA 26+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ. CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ. LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

- A — EXIST 22"± ASPHALT CONCRETE
- B — EXIST 6"± AGGREGATE
- C — EXIST 13"± ASPHALT CONCRETE
- D — EXIST 6"± AGGREGATE
- E — EXIST 12"± ASPHALT CONCRETE
- F — EXIST 8"± AGGREGATE
- G — EXIST CURB
- H — EXIST CURB AND GUTTER
- I — EXIST 4" CONCRETE SIDEWALK
- J — EXIST 9.25"± ASPHALT CONCRETE
- K — EXIST 3"± ASPHALT CONCRETE
- L — EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0065
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:30:25 PM USER: brieder
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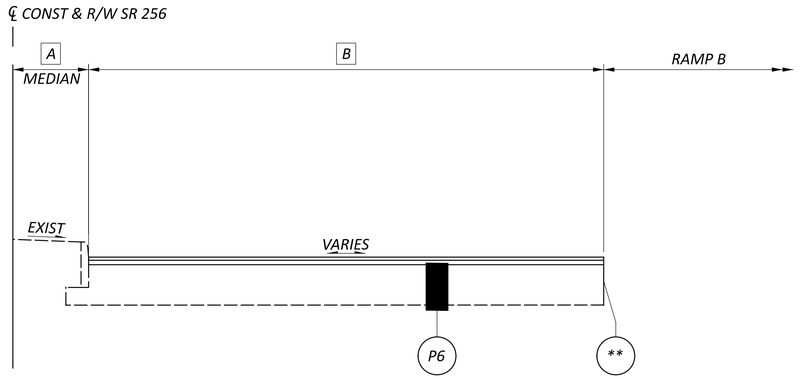
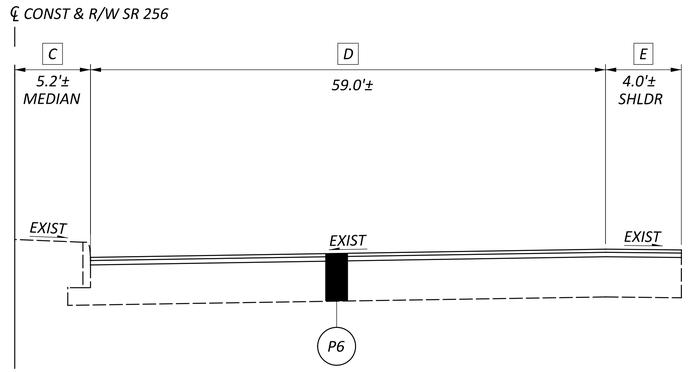


NORMAL SECTION - SR 256 RT

STA. 27+75.00 TO STA. 29+76.13

A 0.0' FROM STA. 27+75.00 TO STA. 28+45.17
VARIES FROM 0.0' AT STA. 28+45.17 TO 19.6'± AT STA. 28+84.00
19.6± FROM STA. 28+84.00 TO STA. 29+27.41
VARIES FROM 19.8'± AT STA. 29+27.41 TO 5.0'± AT STA 29+76.13

B 41.9' FROM STA. 27+75.00 TO STA. 28+45.17
22.0'± FROM STA. 28+45.17 TO STA. 29+28.00
VARIES FROM 22.0'± AT STA. 29+28.00 TO 35.7'± AT STA 29+76.13



NORMAL SECTION - SR 256 RT

STA. 29+76.13 TO STA. 31+33.68

C 5.0'± FROM STA. 29+76.13 TO STA. 31+10.00
VARIES FROM 5.0'± AT STA 31+10.00 TO 0.0' AT STA 31+33.68

D VARIES FROM 51.5'± AT STA 29+76.13 TO 59.0'± AT STA 31+10.00
VARIES FROM 59.0'± AT STA 31+10.00 TO 64.0'± AT STA 31+33.68

E VARIES FROM 1.5'± AT STA 29+76.13 TO 0.3'± AT STA 31+10.00
VARIES FROM 0.3'± AT STA 31+10.00 TO 4.0'± AT STA 31+05.50

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

DESIGN AGENCY
WEILER STRUCTUREPOINT INC.
DESIGNER AJO
REVIEWER XXX 04/25/25
PROJECT ID 96808
SHEET P.0066 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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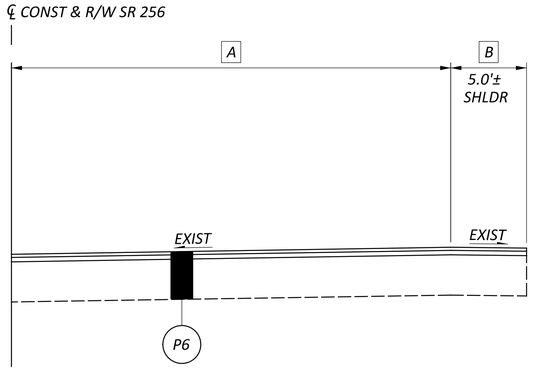
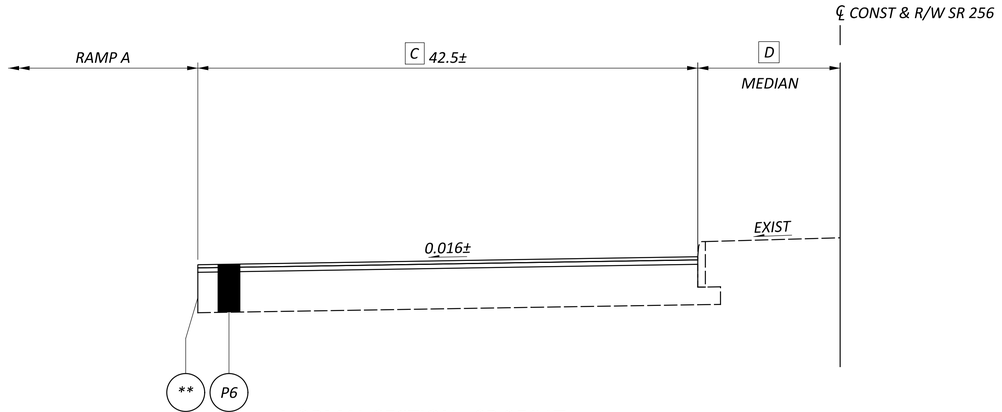


NORMAL SECTION - SR 256 RT

STA. 31+33.68 TO STA. 36+75.00

A VARIES FROM 64.0'± AT STA 31+33.68 TO 54.0'± AT STA 36+57.71
VARIES FROM 54.0'± AT STA 36+57.71 TO 60.0' AT STA 36+75.00

B VARIES FROM 4.0'± AT STA 31+33.68 TO 5.0'± AT STA 32+14.00
5.0' FROM STA. 32+14.00 TO STA. 34+80.00
VARIES FROM 5.0'± AT STA 34+80.00 TO 1.9'± AT STA 36+62.66
0.0' FROM STA 36+62.66 TO STA 36+75.00



NORMAL SECTION - SR 256 LT

STA. 27+75.00 TO STA. 28+95.00

C 42.5± FROM STA. 27+75.00 TO STA. 28+45.17
33.5'± FROM STA 28+45.17 TO STA 28+95.00

D 0.0' FROM STA. 27+75.00 TO STA. 28+45.17
9.4'± FROM STA. 28+45.17 TO STA. 28+95.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0067 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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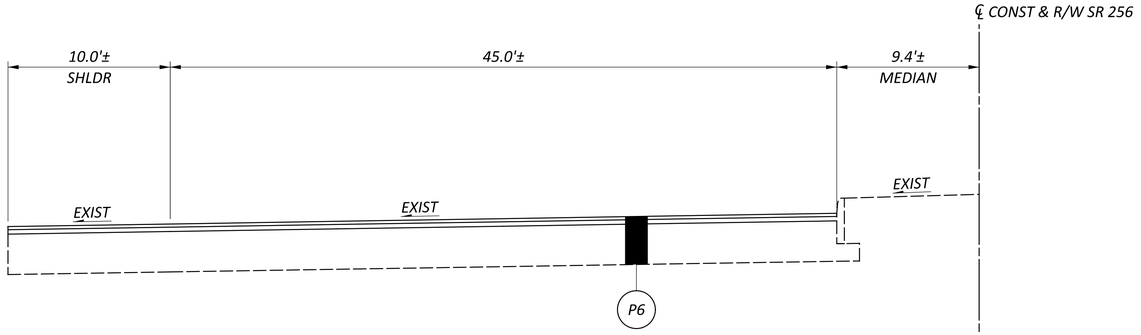
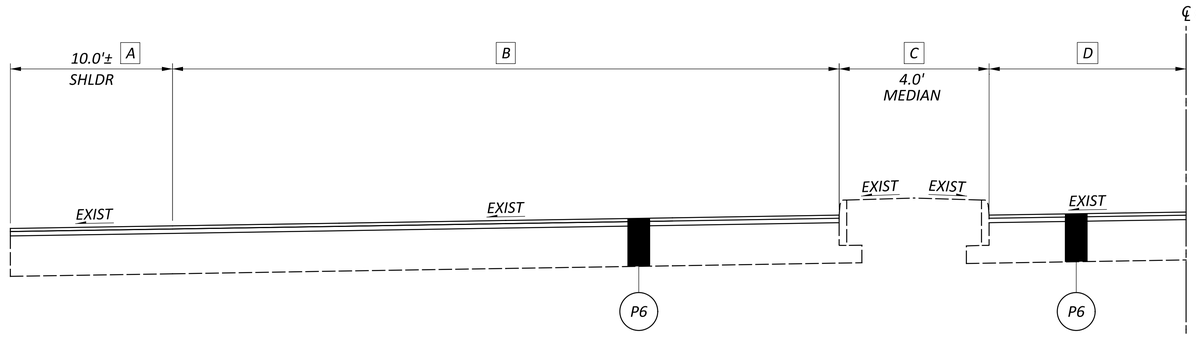


NORMAL SECTION - SR 256 LT

STA. 28+95.00 TO STA. 31+33.68



NORMAL SECTION - SR 256 LT

STA. 31+33.68 TO STA. 33+40.00

A 10.0' FROM STA. 31+33.68 TO STA. 32+33.98
VARIES FROM 10.0'± AT STA. 32+33.98 TO 8.6'± AT STA. 33+40.00

B 45.0' FROM STA. 31+33.68 TO STA. 31+69.53
VARIES FROM 45.0'± AT STA. 31+69.53 TO 33.5'± AT STA. 33+40.00

C VARIES 9.4'± AT STA 31+33.68 TO 4.0'± AT STA. 31+60.00
4.0' FROM STA. 31+60.00 TO STA. 33+40.00

D VARIES FROM 0.0' AT STA. 31+33.68 TO 5.6'± AT STA 31+60.00
VARIES FROM 5.6' AT STA 31+60.00 TO 7.4'± AT STA 33+40.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

FAI/LIC-IR 70-0.00/0.00

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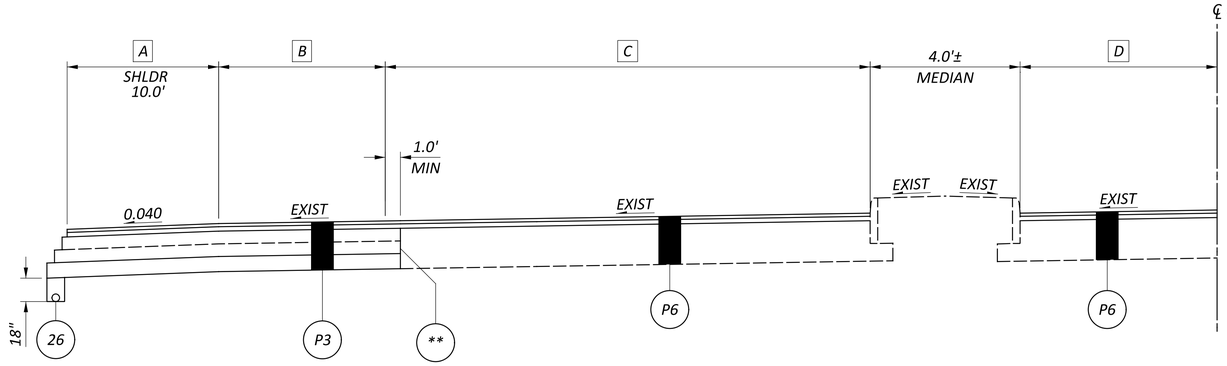
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0068 TOTAL P.1556



A VARIES FROM 8.6'± AT STA 33+40.00 TO 10.0' AT STA 34+05.00
TAPERS FROM 10.0' AT STA. 35+50.00 TO 2.0' AT STA. 36+00.00

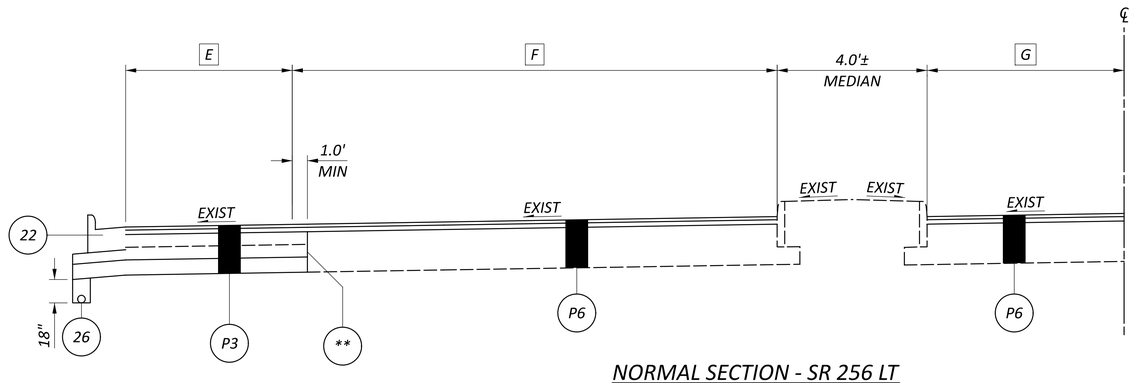
B VARIES FROM 12.0' AT STA. 33+40.00 TO 11.0' AT STA. 36+00.00

C VARIES FROM 33.5'± AT STA 33+40.00 TO 33.8'± AT STA 36+00.00

D VARIES FROM 7.4'± AT STA 33+40.00 TO 13.7'± AT STA 36+00.00

NORMAL SECTION - SR 256 LT

STA. 33+40.00 TO STA. 36+00.00



E TAPERS FROM 11.0' AT STA 36+00.00 TO 0.0' AT STA 36+50.00

F VARIES FROM 33.8'± AT STA 36+00.00 TO 34.1'± AT STA 36+50.00

G VARIES FROM 13.7'± AT STA 36+00.00 TO 14.5'± AT STA 36+50.00

NORMAL SECTION - SR 256 LT

STA. 36+00.00 TO STA. 36+50.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0069 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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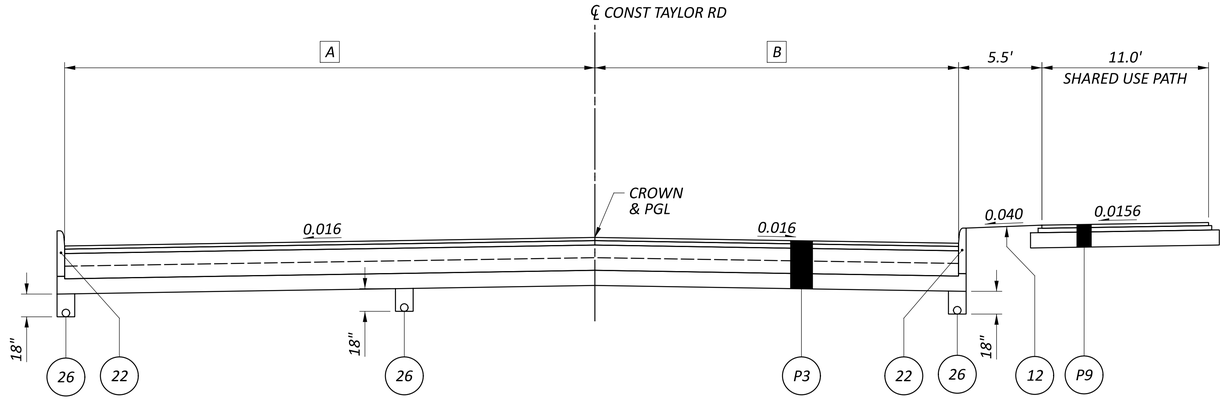
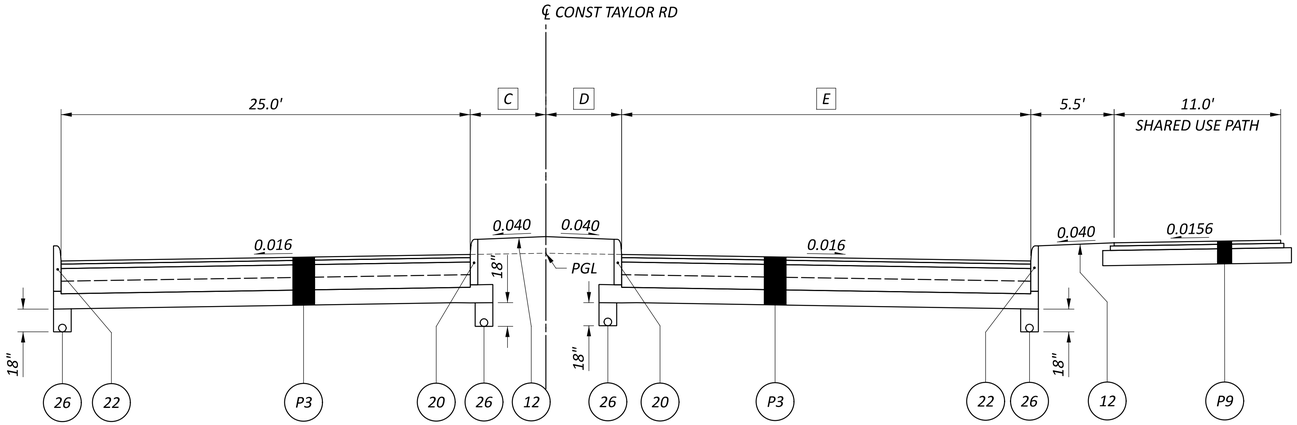


NORMAL SECTION - TAYLOR RD

STA. 16+44.79 TO STA. 25+50.00

A *VARIES FROM STA. 16+44.79 TO STA. 17+05.22*
35.0' FROM STA. 17+05.22 TO STA. 20+77.20
TAPERS FROM 35.0' AT STA. 20+77.20 TO 40.5' AT STA. 22+50.00
TAPERS FROM 40.5' AT STA. 22+50.00 TO 29.5' AT STA. 23+00.00
29.5' FROM STA. 23+00.00 TO STA. 25+50.00

B *VARIES FROM STA. 16+44.79 TO STA. 17+23.59*
24.0' FROM STA. 17+23.59 TO STA. 20+64.00
VARIES FROM 24.0' AT STA. 20+64.00 TO 29.5' AT STA. 22+50.00
29.5' FROM STA. 22+50.00 TO STA. 25+50.00



NORMAL SECTION - TAYLOR RD

STA. 25+50.00 TO STA. 35+00.00

C *4.5' FROM STA. 25+50.00 TO STA. 32+13.00*
TAPERS FROM 4.5' AT STA. 32+13.00 TO 13.0' AT STA. 35+00.00

D *4.5' FROM STA. 25+50.00 TO STA. 32+13.00*
TAPERS FROM 4.5' AT STA. 32+13.00 TO 13.0' AT STA. 35+00.00

E *23.0' FROM STA. 25+50.00 TO STA. 29+50.00*
TAPERS FROM 25.0' AT STA. 29+50.00 TO 36.0' AT STA. 30+00.00
36.0' FROM STA. 30+00.00 TO STA. 35+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) *ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)*
(2) *ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)*
(3) *ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")*
(4) *ITEM 304 - 6" AGGREGATE BASE*
(5) *ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)*
(6) *ITEM 204 - SUBGRADE COMPACTION*
(7) *ITEM 204 - PROOF ROLLING*
(8) *ITEM 609 - 6" CONCRETE TRAFFIC ISLAND*
(9) *ITEM 304 - 4" AGGREGATE BASE*
(10) *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D*
(11) *ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C*
(12) *ITEM 659 - SEEDING AND MULCHING*
(13) *ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE*
(14) *ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
(15) *ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)*
(16) *ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P*
(17) *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)*
(18) *ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22*
(19) *ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)*
(20) *ITEM 609 - CURB, TYPE 6*
(21) *ITEM 609 - CURB, TYPE 2-A*
(22) *ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2*
(23) *ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"*
(24) *ITEM 608 - 4" CONCRETE WALK*
(25) *ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS*
(26) *ITEM 605 - 6" BASE PIPE UNDERDRAINS*
(27) *ITEM 606 - GUARDRAIL, TYPE MGS*
(28) *ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION*
(29) *ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE*
(30) *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")*
(31) *ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22*
(32) *ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")*
(33) *ITEM 607 - FENCE, MISC: WOOD FENCE*
(34) *ITEM 605 - AGGREGATE DRAINS*
(35) *ITEM 609 - CURB, TYPE 3, APP*
(36) *ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP*
(CJ) *CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15*
(LJ) *LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1*
(**) *SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY*

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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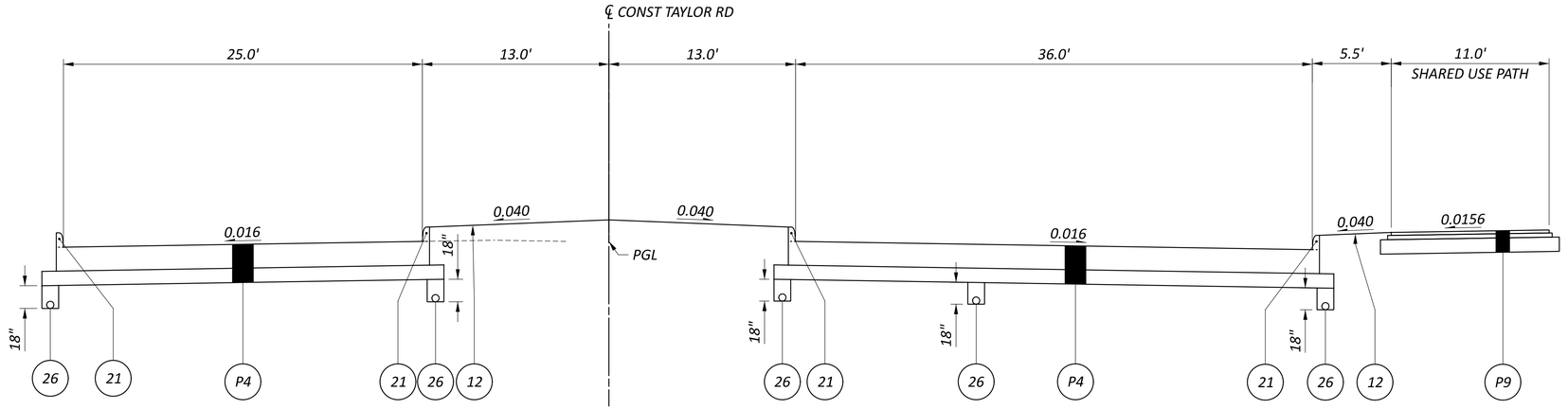
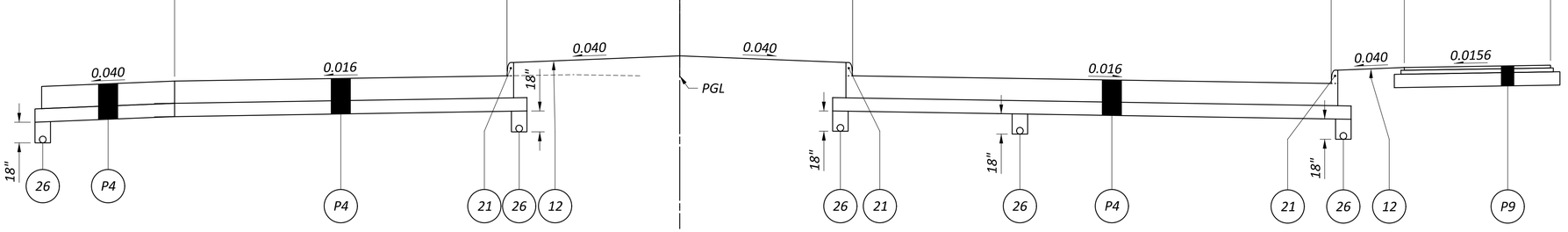
DESIGN AGENCY
MICHAEL BAKER INTL. STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0070 TOTAL P.1556



NORMAL SECTION - TAYLOR RD

STA. 35+00.00 TO STA. 35+54.94



NORMAL SECTION - TAYLOR RD

STA. 35+54.94 TO STA. 35+71.14

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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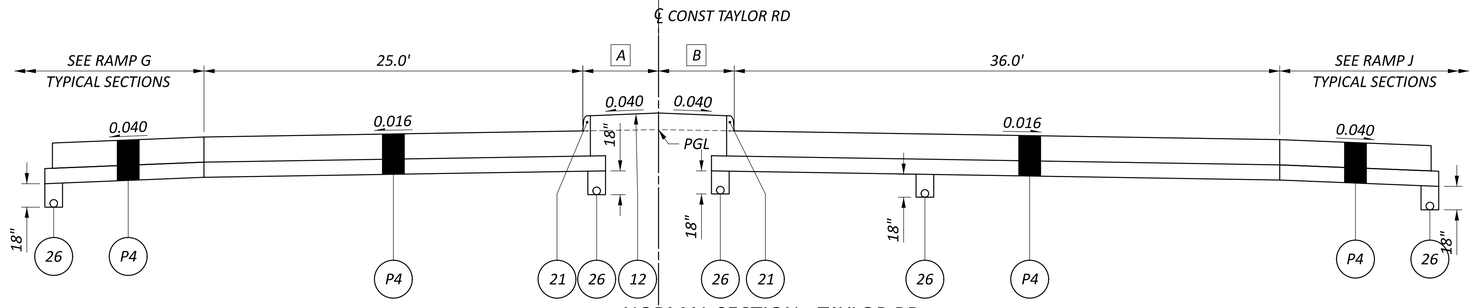
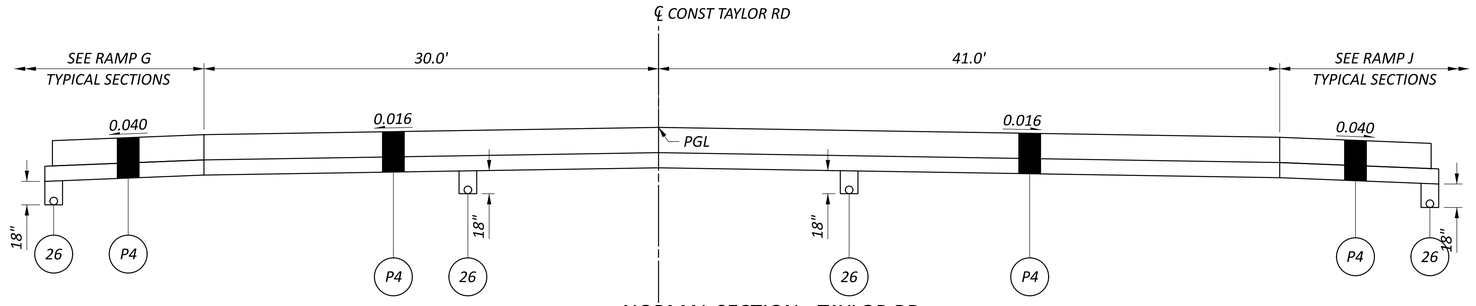
DESIGN AGENCY
MORGAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0071 TOTAL P.1556



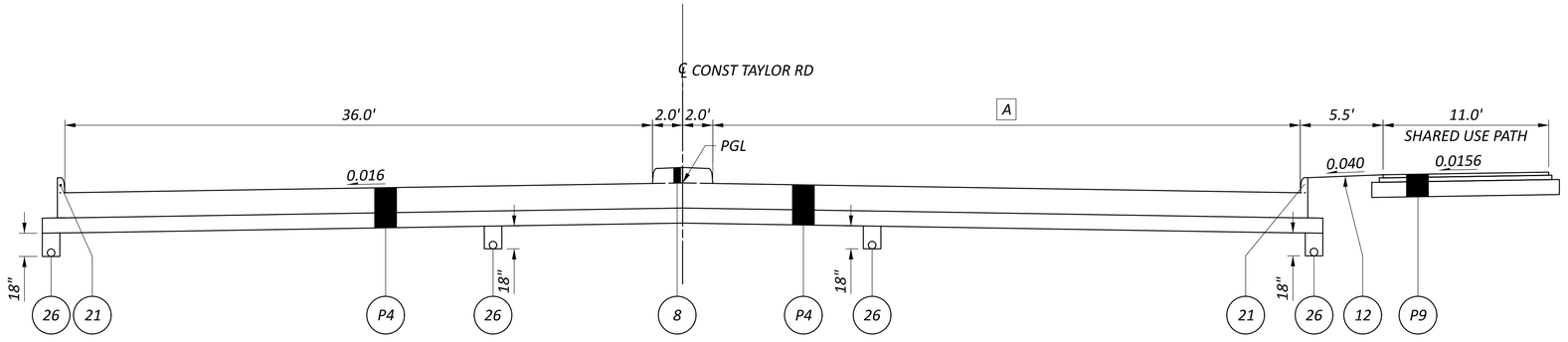
NORMAL SECTION - TAYLOR RD

STA. 35+71.14 TO STA. 36+00.00



NORMAL SECTION - TAYLOR RD

STA. 36+00.00 TO STA. 36+85.00



NORMAL SECTION - TAYLOR RD

STA. 36+85.00 TO STA. 39+56.99

A VARIES FROM 41.85' AT STA. 36+85.00 TO 36.0' AT STA. 38+31.00
36.0' FROM STA. 38+31.00 TO STA. 39+56.99

PROPOSED BRIDGE
APPROACH SLAB = STA. 39+56.99 TO STA. 39+86.99, SEE SHEET P.0050
STRUCTURE = STA. 39+86.99 TO STA. 42+27.19
APPROACH SLAB = STA. 42+27.19 TO STA. 42+57.19, SEE SHEET P.0050

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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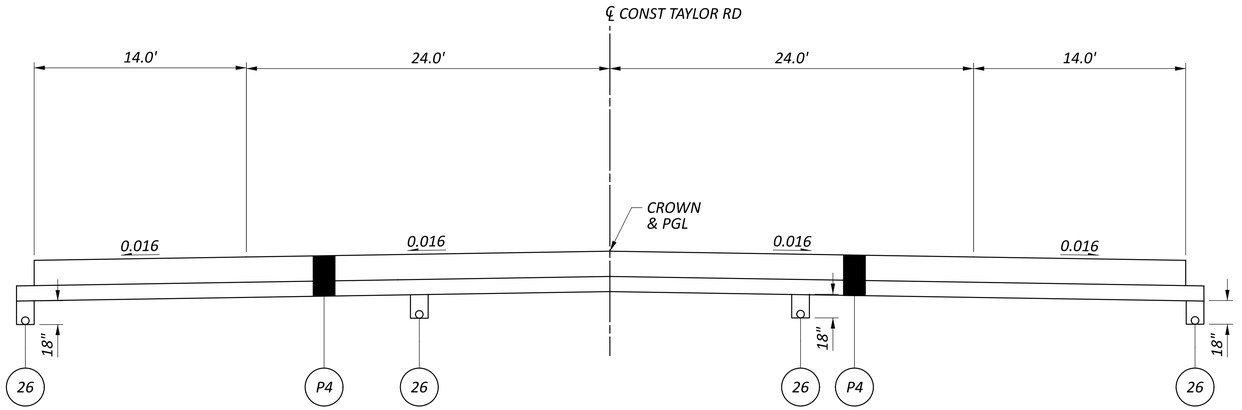
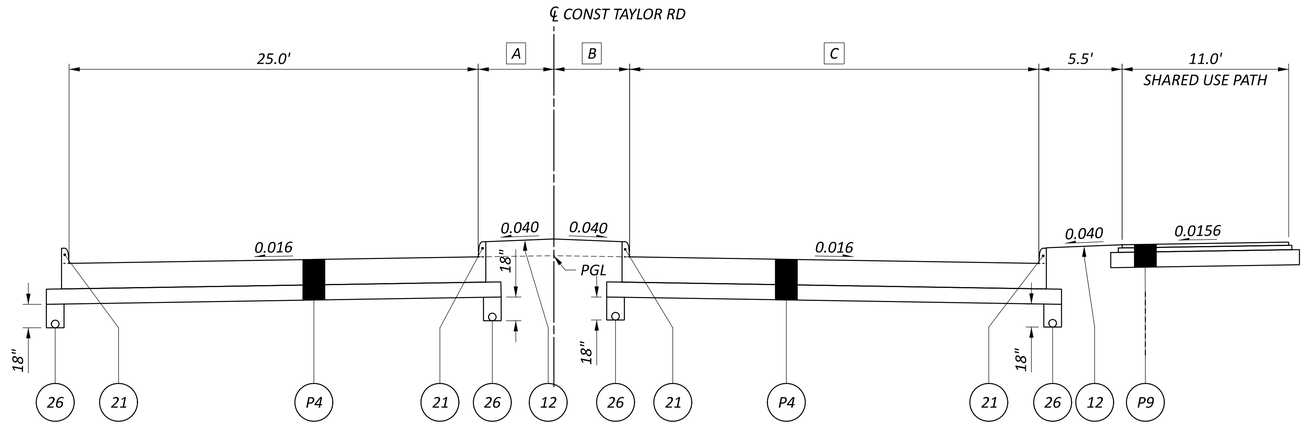
DESIGN AGENCY
MORPHEN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0072 TOTAL P.1556



NORMAL SECTION - TAYLOR RD

STA. 42+57.19 TO STA. 43+50.00



NORMAL SECTION - TAYLOR RD

STA. 43+50.00 TO STA. 44+50.00

A 13.0' FROM STA. 43+50.00 TO STA. 43+78.00
VARIES FROM 13.0' AT STA. 43+78.00 TO 10.9' AT STA. 44+50.00

B 13.0' FROM STA. 43+50.00 TO STA. 43+78.00
VARIES FROM 13.0' AT STA. 43+78.00 TO 10.9' AT STA. 44+50.00

C VARIES FROM STA. 43+50.00 TO STA. 44+50.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
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(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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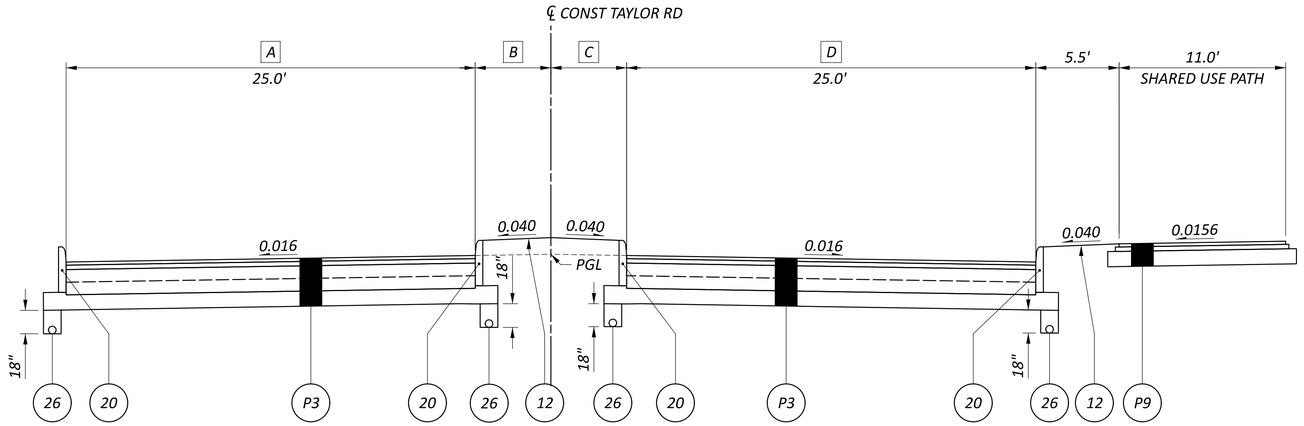
DESIGN AGENCY
MORPHEUS STRUCTUREPOINT INC.

DESIGNER AJO

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0073 TOTAL P.1556



A 25.0' FROM STA. 44+50.00 TO STA. 47+20.00
TAPERS FROM 25.0' AT STA. 47+20.00 TO 18.8' AT STA. 47+50.00

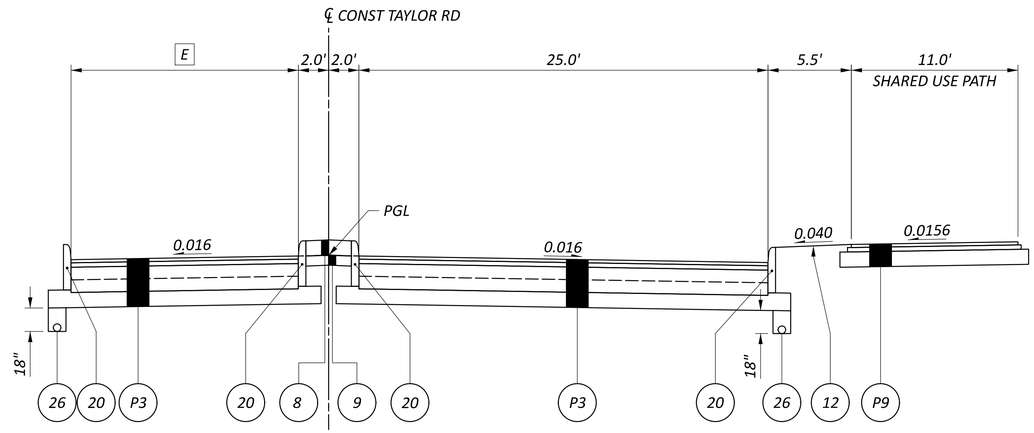
B VARIES FROM 10.9' AT STA. 44+50.00 TO 2.0' AT STA. 47+50.00

C VARIES FROM 10.9' AT STA. 44+50.00 TO 2.0' AT STA. 47+50.00

D VARIES FROM STA. 44+50.00 TO STA. 45+10.39
25.0' FROM STA. 45+10.39 TO STA. 47+50.00

NORMAL SECTION - TAYLOR RD

STA. 44+50.00 TO STA. 47+50.00



E VARIES FROM 18.8' AT STA. 47+50.00 TO 14.0' AT STA. 47+70.00
14.0' FROM STA. 47+70.00 TO STA. 49+61.96

NORMAL SECTION - TAYLOR RD

STA. 47+50.00 TO STA. 49+61.96

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
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13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
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21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
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25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
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33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0074 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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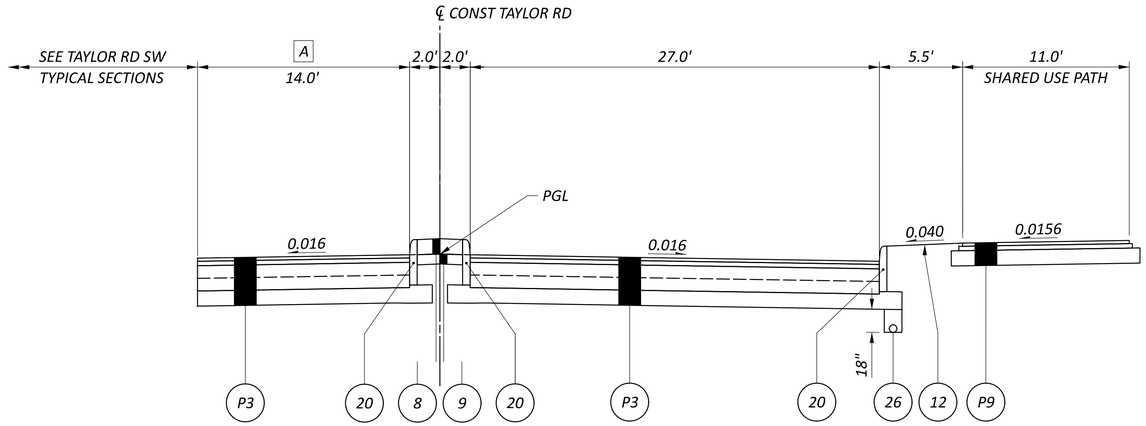
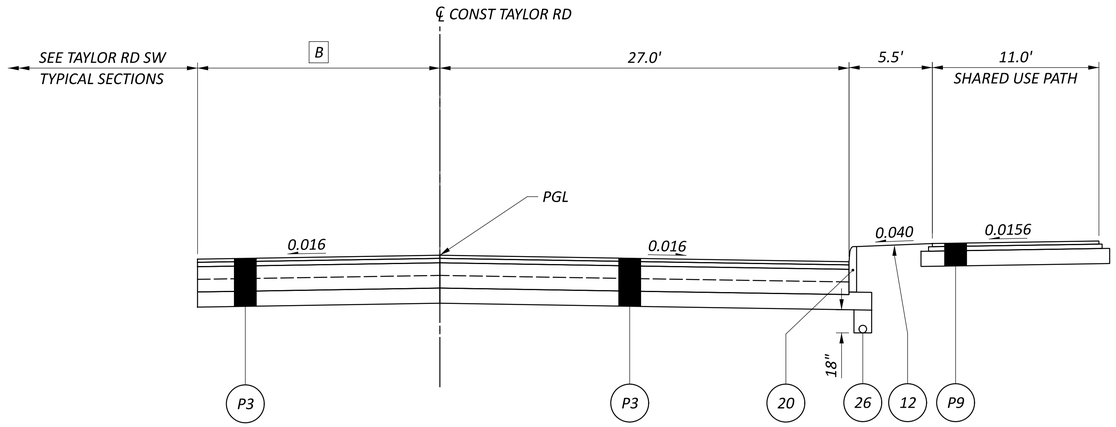


NORMAL SECTION - TAYLOR RD

STA. 49+61.96 TO STA. 50+20.00

A VARIES FROM 14.0' AT STA. 49+61.96 TO 24.5' AT STA. 50+20.00



NORMAL SECTION - TAYLOR RD

STA. 50+20.00 TO STA. 50+36.31

B VARIES FROM 24.5' AT STA. 50+20.00 TO 29.5' AT STA. 50+36.31

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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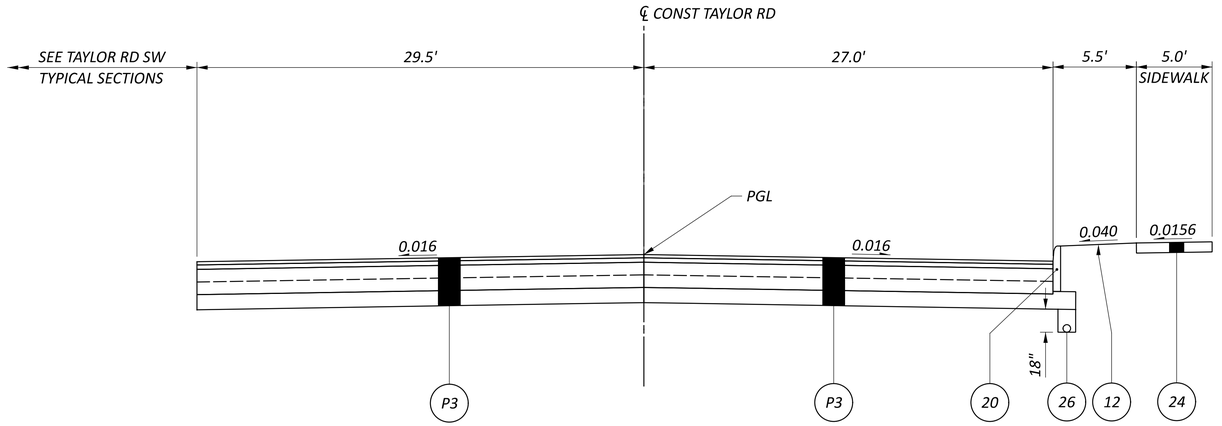
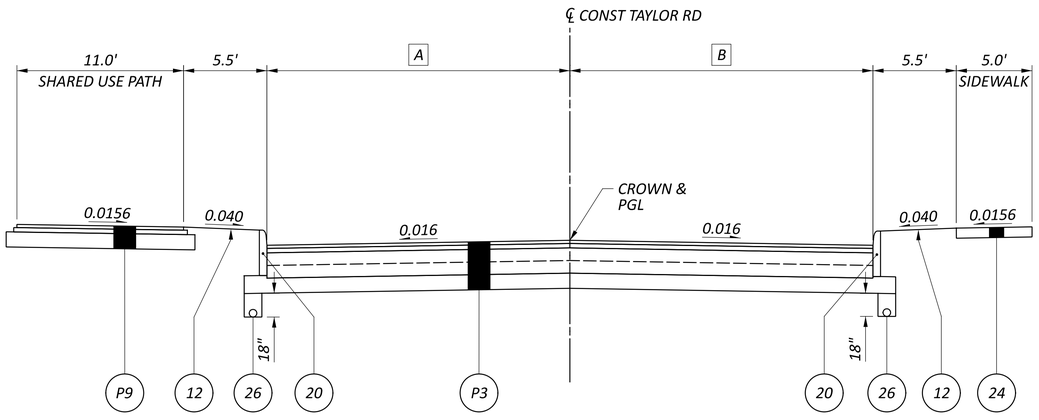
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0075 TOTAL P.1556



NORMAL SECTION - TAYLOR RD

STA. 50+36.31 TO STA. 52+05.41



NORMAL SECTION - TAYLOR RD

STA. 52+05.41 TO STA. 55+51.33

A 29.5' FROM STA. 52+05.41 TO STA. 53+63.00
TAPERS FROM 29.5' AT STA. 53+63.00 TO 18.5' AT STA. 54+13.00
18.5' FROM STA. 54+13.00 TO STA. 55+51.33

B 27.0' FROM STA. 52+05.41 TO STA. 52+40.56
VARIES FROM 27.0' AT STA. 52+40.56 TO 18.5' AT STA. 55+28.00
18.5' FROM STA. 55+28.00 TO STA. 55+51.33

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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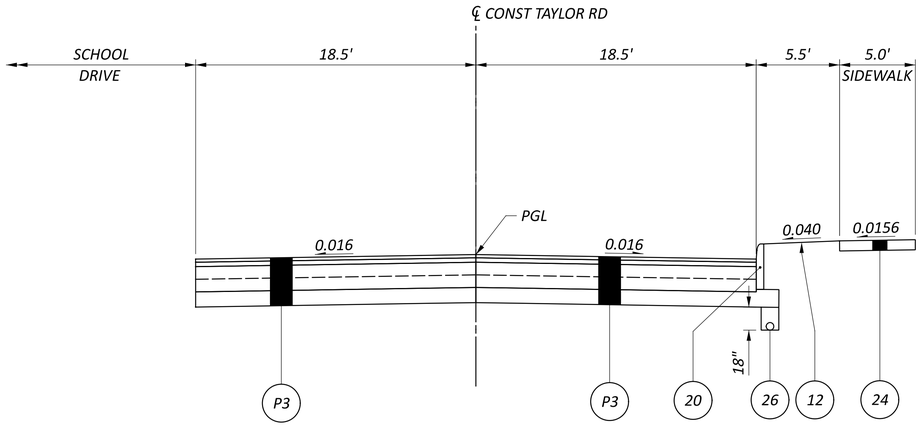
DESIGN AGENCY
MORPHEN STRUCTUREPOINT INC.

DESIGNER AJO

REVIEWER KAM 04/25/25

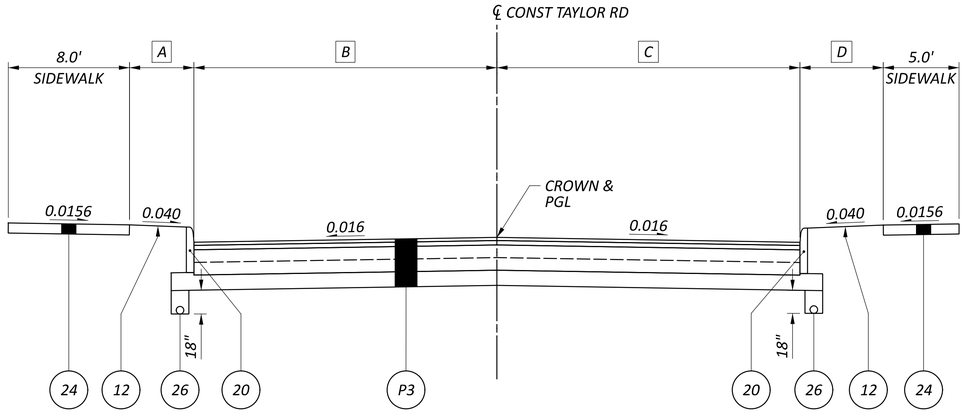
PROJECT ID 96808

SHEET P.0076 TOTAL P.1556



NORMAL SECTION - TAYLOR RD

STA. 55+51.33 TO STA. 56+87.39



NORMAL SECTION - TAYLOR RD

STA. 56+87.39 TO STA. 58+05.00

A 5.5' FROM STA. 56+87.39 TO STA. 57+55.00
VARIES FROM 5.5' AT STA. 57+55.00 TO 4.6' AT STA. 58+05.00

B 18.5' FROM STA. 56+87.39 TO STA. 57+55.00
VARIES FROM 18.5' AT STA. 57+55.00 TO 19.4' AT STA. 58+05.00

C 18.5' FROM STA. 56+87.39 TO STA. 57+55.00
VARIES FROM 18.5' AT STA. 57+55.00 TO 19.6' AT STA. 58+05.00

D 5.5' FROM STA. 56+87.39 TO STA. 57+55.00
VARIES FROM 5.5' AT STA. 57+55.00 TO 4.6' AT STA. 58+05.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD

FAI/LIC-IR 70-0.00/0.00

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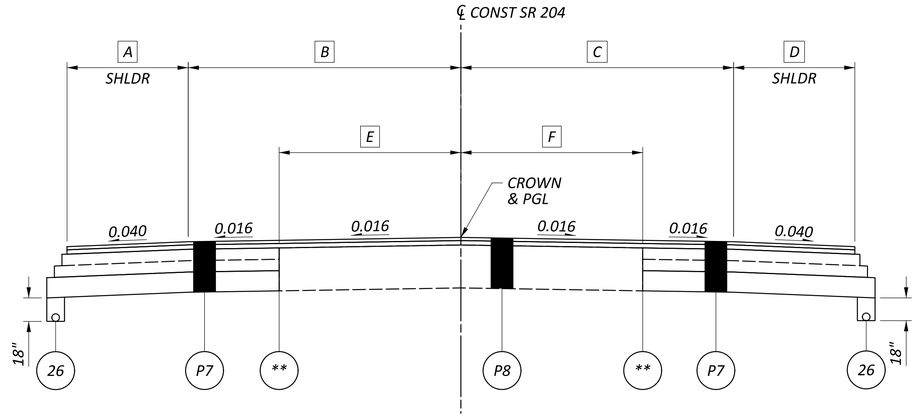
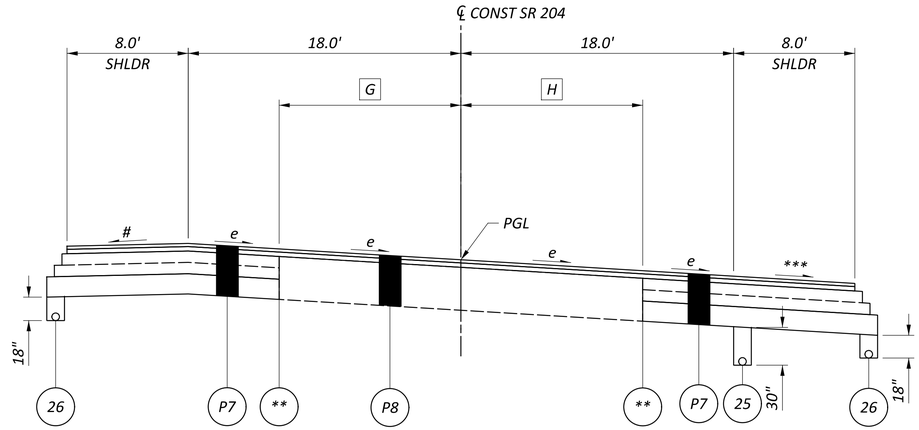
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0077 TOTAL P.1556



NORMAL SECTION - SR 204

STA. 36+50.00 TO STA. 39+30.13



SUPERELEVATION SECTION - SR 204

STA. 39+30.13 TO STA. 41+27.88

*** 0.040 OR RATE OF SUPER IF GREATER
\# VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

A VARIES FROM 2.0' AT STA. 36+50.00 TO 8.0' AT STA. 38+97.00
8.0' FROM STA. 38+97.00 TO STA. 39+30.13

B VARIES FROM 11.0' AT STA. 36+50.00 TO 18.0' AT STA. 38+97.00
18.0' FROM STA. 38+97.00 TO STA. 39+30.13

C VARIES FROM 10.7' AT STA. 36+50.00 TO 18.0' AT STA. 38+97.00
18.0' FROM STA. 38+97.00 TO STA. 39+30.13

D VARIES FROM 2.0' AT STA. 36+50.00 TO 8.0' STA. 38+97.00
8.0' FROM STA. 38+97.00 TO STA. 39+30.13

E VARIES FROM 5.5' AT STA. 36+50.00 TO 9.0' AT STA. 38+97.00
9.0' FROM STA. 38+97.00 TO STA. 39+30.13

F VARIES FROM 5.3' AT STA. 36+50.00 TO 9.0' AT STA. 38+97.00
9.0' FROM STA. 38+97.00 TO STA. 39+30.13

G 9.0' FROM STA. 39+30.13 TO STA. 39+50.00
12.0' FROM 39+50.00 TO STA. 41+27.88

H 9.0' FROM STA. 39+30.13 TO STA. 39+50.00
12.0' FROM 39+50.00 TO STA. 41+27.88

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 204

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0078 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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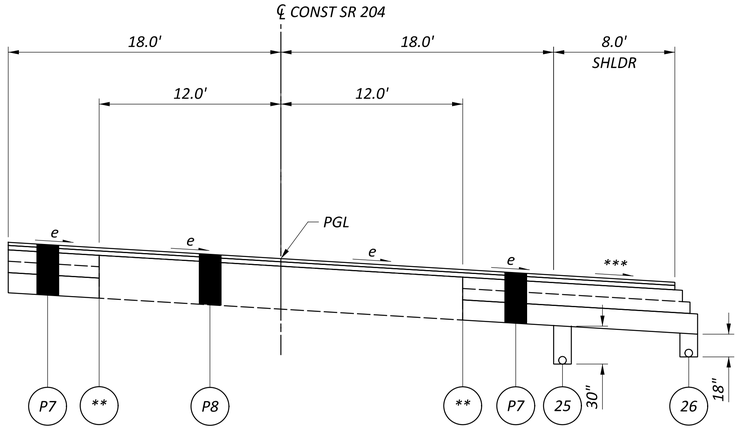
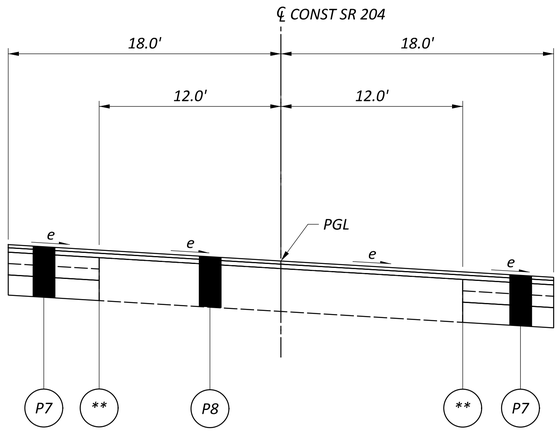
*** 0.040 OR RATE OF SUPER IF GREATER
# VARIES 0.040 TO 0.010 BASED ON GRADE BREAK



SUPERELEVATION SECTION - SR 204

STA. 41+27.88 TO STA. 41+65.53



SUPERELEVATION SECTION - SR 204

STA. 41+65.53 TO STA. 42+87.14

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 204

FAI/LIC-IR 70-0.00/0.00

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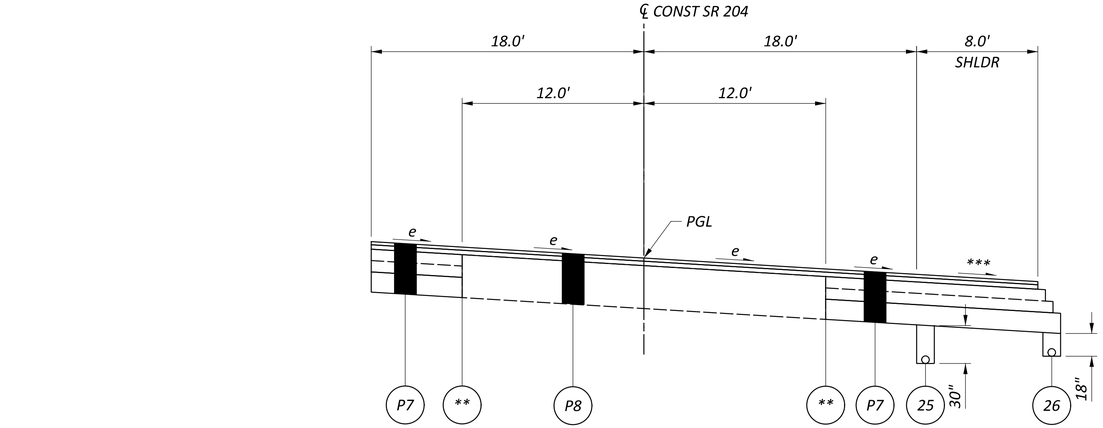
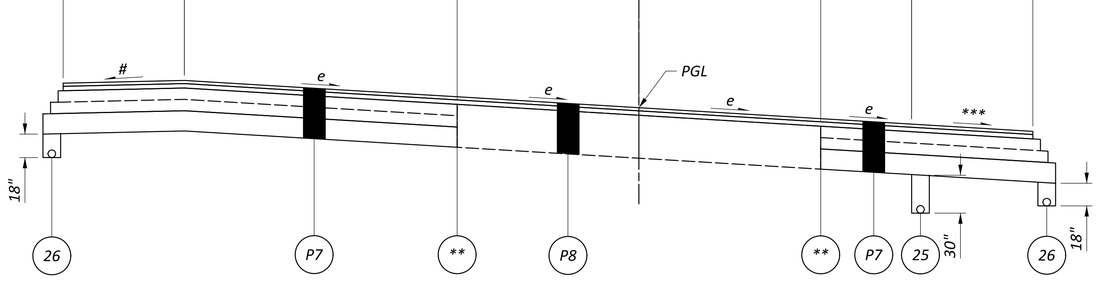
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0079 TOTAL P.1556



SUPERELEVATION SECTION - SR 204

STA. 42+87.14 TO STA. 43+28.00



SUPERELEVATION SECTION - SR 204

STA. 43+28.00 TO STA. 48+00.00

*** 0.040 OR RATE OF SUPER IF GREATER
# VARIES 0.040 TO 0.010 BASED ON GRADE BREAK

A VARIES FROM 8.0' AT STA. 45+85.00 TO 4.5' AT STA. 48+00.00

B 30.0' FROM STA. 43+28.00 TO STA. 45+10.00
VARIES FROM 30.0' AT STA. 45+10.00 TO 18.0' AT STA. 45+60.00
18.0' FROM STA. 45+60.00 TO STA. 48+85.00
VARIES FROM 18.0' AT STA. 45+85.00 TO 11.9' AT STA. 48+00.00

C VARIES FROM 18.0' AT STA. 45+85.00 TO 11.7' AT STA. 48+00.00

D VARIES FROM 8.0' AT STA. 45+85.00 TO 3.7' AT STA. 48+00.00

E 12.0' FROM 43+28.00 TO STA. 47+75.36
VARIES FROM 12.0' AT STA. 47+75.36 TO 11.9' AT STA. 48+00.00

F 12.0' FROM 43+28.00 TO STA. 47+75.36
VARIES FROM 12.0' AT STA. 47+75.36 TO 11.7' AT STA. 48+00.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - SR 204

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0080 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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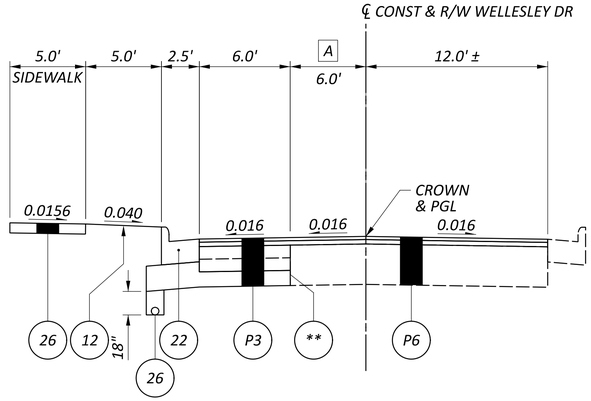
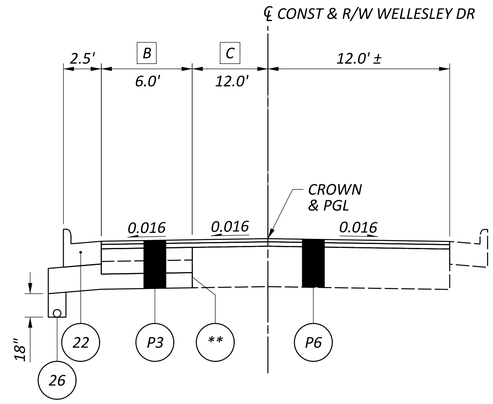


NORMAL SECTION - WELLESLEY RD

STA. 13+33.24 TO STA. 13+96.00

A VARIES FROM 6.0' STA. 13+51.18 TO 8.9' AT STA. 13+96.00



NORMAL SECTION - WELLESLEY RD

STA. 13+96.00 TO STA. 15+80.55

B 12.0' FROM STA. 14+15.00 TO STA. 15+52.18
VARIES FROM 12.0' AT STA. 15+52.18 TO 24.0' AT STA. 15+80.55

C VARIES FROM 8.9' AT STA. 13+96.00 TO 10.2' AT STA. 14+15.00
VARIES FROM 4.1' AT STA. 14+15.00 TO 12.0' AT STA. 15+36.48

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - WELLESLEY RD

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0081 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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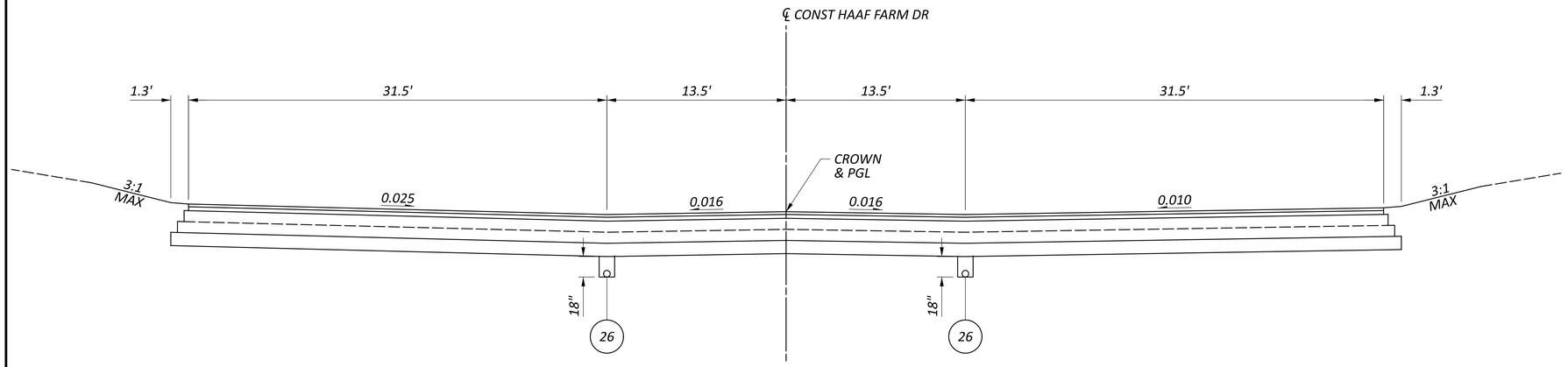
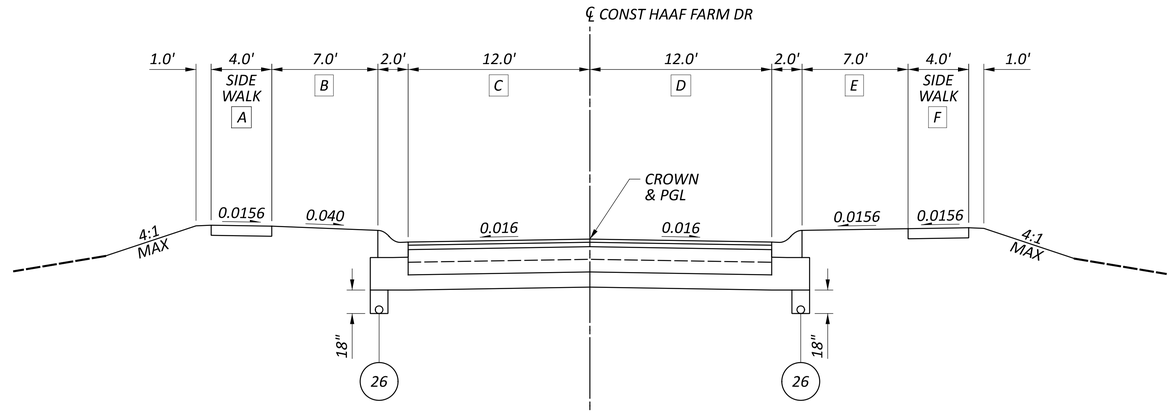


NORMAL SECTION - HAAF FARM DR

STA 1+50.08 TO STA 1+76.58



NORMAL SECTION - HAAF FARM DR

STA 1+76.58 TO STA 2+43.57

A TAPERS FROM 4.0' AT STA. 2+39.81 TO 3.9' AT STA. 2+43.57

B TAPERS FROM 7.0' AT STA. 2+39.81 TO 7.3' AT STA. 2+43.57

C VARIES FROM STA. 1+76.58 TO STA. 1+97.24
TAPERS FROM 12.0' AT STA. 2+20.11 TO 12.6' AT STA. 2+43.57

D VARIES FROM STA. 1+76.58 TO STA. 1+97.24
TAPERS FROM 12.0' AT STA. 2+19.12 TO 12.6' AT STA. 2+43.57

E TAPERS FROM 7.0' AT STA. 2+19.12 TO 7.1' AT STA. 2+43.57

F TAPERS FROM 4.0' AT STA. 2+19.12 TO 3.9' AT STA 2+43.57

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
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(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - HAFF FARM DR

FAI/LIC-IR 70-0.00/0.00

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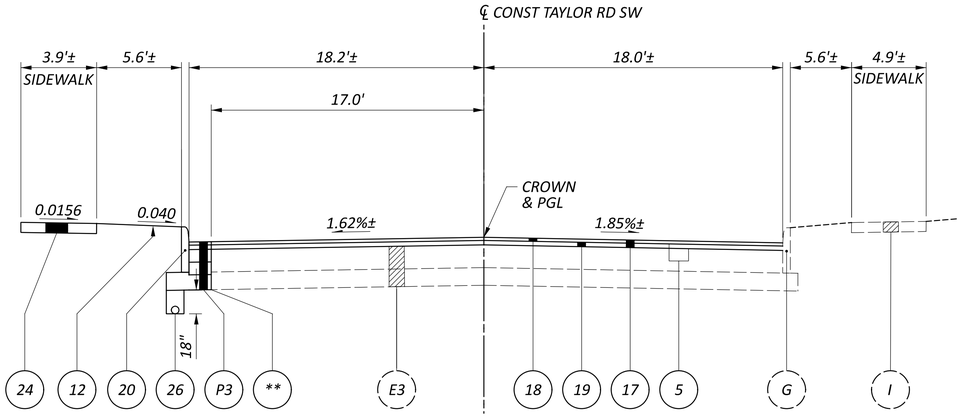
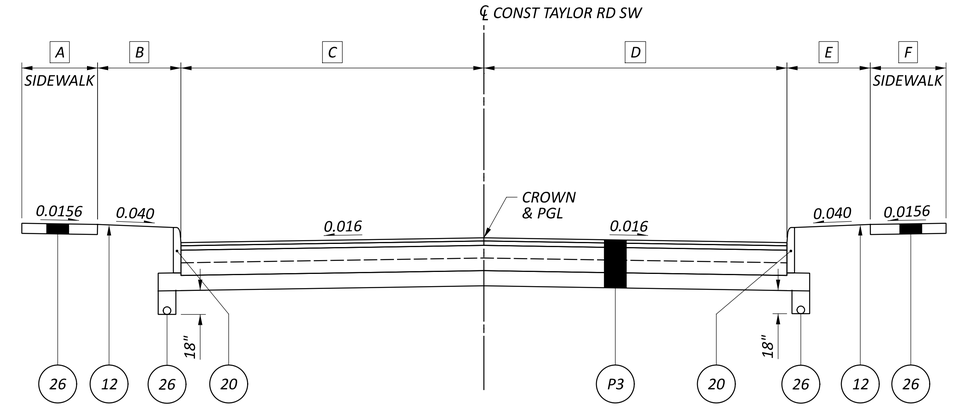
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0082 TOTAL P.1556



NORMAL SECTION - TAYLOR RD SW

STA. 10+00.00 TO STA. 12+00.00



NORMAL SECTION - TAYLOR RD SW

STA. 12+00.00 TO STA. 15+54.07

A VARIES FROM 3.9' AT STA. 12+00.00 TO 5.0' AT STA. 12+75.00
5.0' FROM STA. 12+75.00 TO STA. 15+54.07

B VARIES FROM 6.5' AT STA. 12+00.00 TO 5.5' AT STA. 12+75.00
5.5' FROM STA. 12+75.00 TO STA. 15+54.07

C VARIES FROM 17.8' AT STA. 12+00.00 TO 20.5' AT STA. 12+75.00
20.5' FROM STA. 12+75.00 TO STA. 15+54.07

D VARIES FROM 18.0' AT STA. 12+00.00 TO 20.5' AT STA. 12+75.00
20.5' FROM STA. 12+75.00 TO STA. 15+54.07

E VARIES FROM 5.7' AT STA. 12+00.00 TO 5.5' AT STA. 12+75.00
5.5' FROM STA. 12+75.00 TO STA. 15+54.07

F VARIES FROM 3.9' AT STA. 12+00.00 TO 5.0' AT STA. 12+75.00
5.0' FROM STA. 12+75.00 TO STA. 15+54.07

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - TAYLOR RD SW

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0083 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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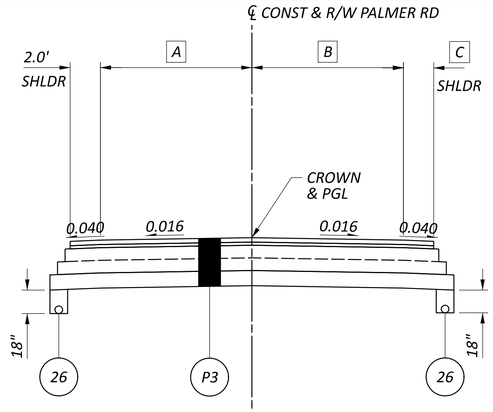


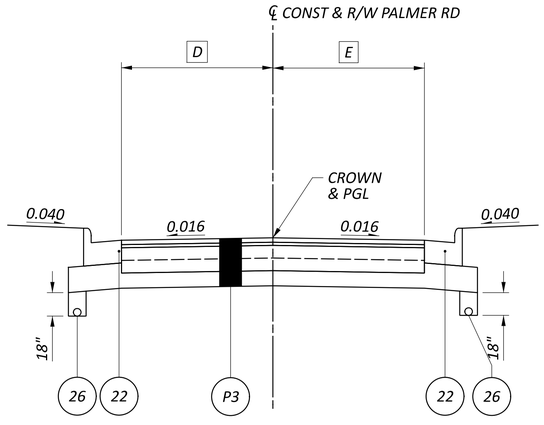
NORMAL SECTION - PALMER RD

STA. 18+00.00 TO STA. 20+15.00

A VARIES FROM 9.8' AT STA. 18+00.00 TO 10.0' AT STA. 18+20.00
10' FROM STA. 18+20.00 TO STA. 20+15.00

B VARIES FROM 9.7' AT STA. 18+00.00 TO 10.0' AT STA. 18+20.00
10' FROM STA. 18+20.00 TO STA. 20+15.00

C VARIES FROM 1.3' AT STA. 18+00.00 TO 2.0' AT STA. 18+20.00



NORMAL SECTION - PALMER RD

STA. 20+15.00 TO STA. 24+93.43

D VARIES FROM 10.0' AT STA. 20+45.50 TO 15.0' AT STA. 22+14.25
VARIES FROM 15.0' AT STA. 24+60.00 TO 14.2' AT STA. 24+90.00

E TAPERS FROM 10.0' AT STA. 20+45.50 TO 11.5' AT STA. 20+77.00
TAPERS FROM 11.5' AT STA. 20+77.00 TO 24.0' AT STA. 21+47.00
TAPERS FROM 24.0' AT STA. 21+47.00 TO 15.0' AT STA. 22+73.00
VARIES FROM 15.0' AT STA. 24+60.00 TO 14.2' AT STA. 24+90.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
(31) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - PALMER RD

FAI/LIC-IR 70-0.00/0.00

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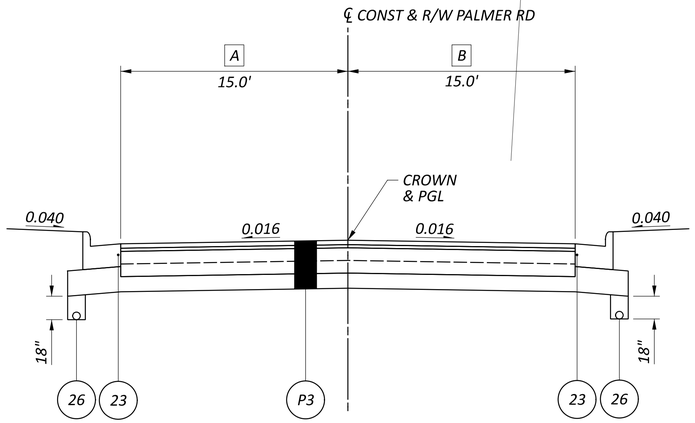
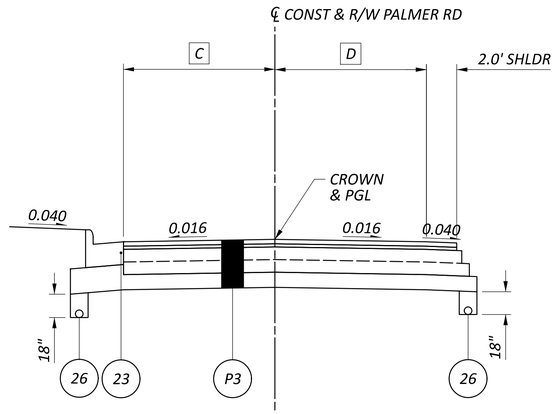
DESIGN AGENCY
MORPHEUS STRUCTUREPOINT INC.

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0084 TOTAL P.1556



NORMAL SECTION - PALMER RD

STA. 22+73.00 TO STA. 24+93.43



NORMAL SECTION - PALMER RD

STA. 24+93.43 TO STA. 25+01.01

A VARIES FROM 15.0' AT STA. 24+60.00 TO 14.1' AT STA. 24+93.43

B VARIES FROM 15.0' AT STA. 24+60.00 TO 14.1' AT STA. 24+93.43

C VARIES FROM 14.1' AT STA. 24+93.43 TO 13.9' AT STA. 25+00.94

D VARIES FROM 14.1' AT STA. 24+93.43 TO 13.9' AT STA. 25+00.94

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - PALMER RD

FAI/LIC-IR 70-0.00/0.00

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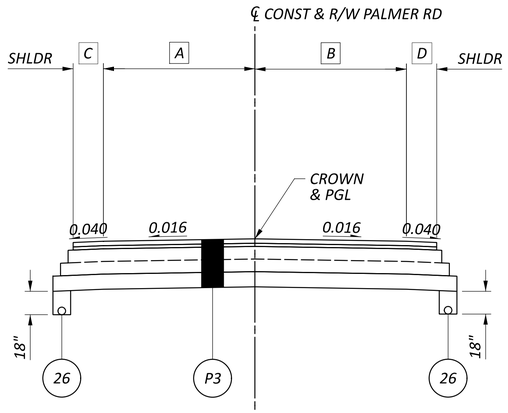
DESIGN AGENCY
MORGAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0085 TOTAL P.1556



NORMAL SECTION - PALMER RD

STA. 25+00.94 TO STA. 26+50.00

A VARIES FROM 13.9' AT STA. 25+00.94 TO 9.4' AT STA. 26+50.00

B VARIES FROM 13.9' AT STA. 25+00.94 TO 10.5' AT STA. 26+50.00

C VARIES FROM 2.0' AT STA. 26+46.92 TO 1.5' AT STA. 26+50.00

D VARIES FROM 2.0' AT STA. 25+87.87 TO 0.7' AT STA. 26+50.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - PALMER RD

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0086 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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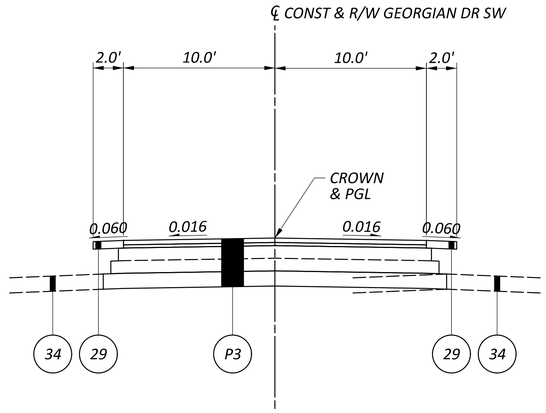
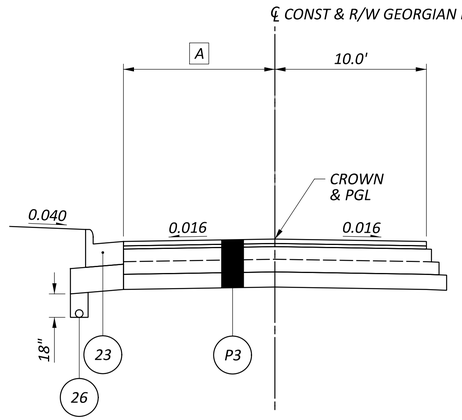


NORMAL SECTION - GEORGIAN DR SW

STA. 101+50.00 TO STA. 102+63.00



NORMAL SECTION - GEORGIAN DR SW

STA. 102+63.14 TO STA. 103+08.07

A VARIES FROM 10.0' AT STA. 102+63.14 TO 33.2' AT STA. 103+08.07

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - GEORGIAN DR SW

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0087 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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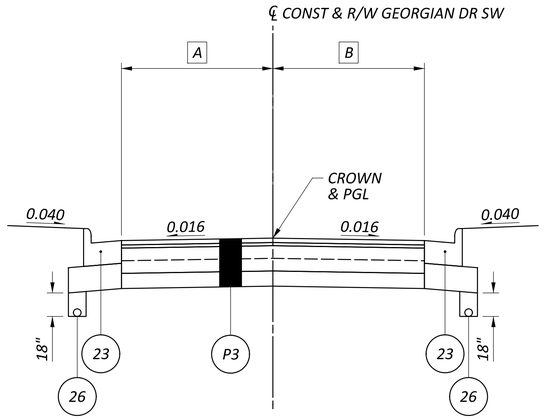

NORMAL SECTION - GEORGIAN DR SW

STA. 103+08.07 TO STA. 103+28.30

A VARIES FROM 33.2' AT STA. 103+08.07 TO 59.1' AT STA. 103+28.30

B VARIES FROM 10.0' AT STA. 103+08.07 TO 34.8' AT STA. 103+28.30

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

1. ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
2. ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
3. ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
4. ITEM 304 - 6" AGGREGATE BASE
5. ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
9. ITEM 304 - 4" AGGREGATE BASE
10. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
11. ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
12. ITEM 659 - SEEDING AND MULCHING
13. ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
14. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
15. ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
16. ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
18. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
19. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
20. ITEM 609 - CURB, TYPE 6
21. ITEM 609 - CURB, TYPE 2-A
22. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
23. ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
24. ITEM 608 - 4" CONCRETE WALK
25. ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
26. ITEM 605 - 6" BASE PIPE UNDERDRAINS
27. ITEM 606 - GUARDRAIL, TYPE MGS
28. ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
29. ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
30. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
31. ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
32. ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
33. ITEM 607 - FENCE, MISC: WOOD FENCE
34. ITEM 605 - AGGREGATE DRAINS
35. ITEM 609 - CURB, TYPE 3, APP
36. ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

CJ CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15

LJ LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1

** SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

A EXIST 22"± ASPHALT CONCRETE
B EXIST 6"± AGGREGATE
C EXIST 13"± ASPHALT CONCRETE
D EXIST 6"± AGGREGATE
E EXIST 12"± ASPHALT CONCRETE
F EXIST 8"± AGGREGATE
G EXIST CURB
H EXIST CURB AND GUTTER
I EXIST 4" CONCRETE SIDEWALK
J EXIST 9.25"± ASPHALT CONCRETE
K EXIST 3"± ASPHALT CONCRETE
L EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - GEORGIAN DR SW

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0088 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:34:21 PM USER: brieder
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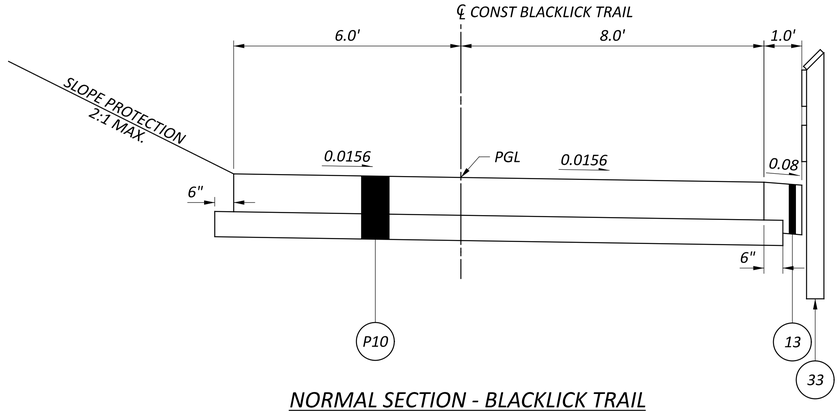
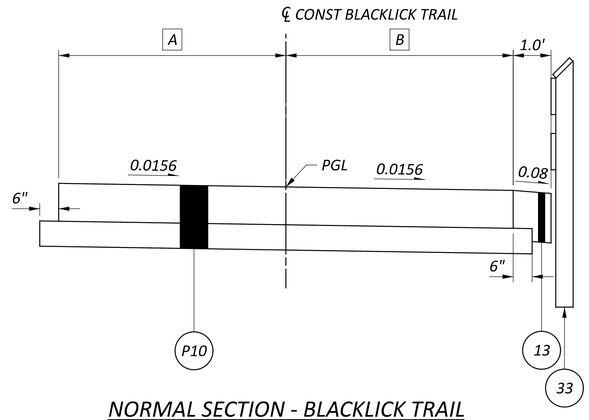


NORMAL SECTION - BLACKLICK TRAIL

STA. 2+16.26 TO STA. 4+55.59



NORMAL SECTION - BLACKLICK TRAIL

STA. 1+25.00 TO STA. 2+16.26

STA. 4+55.59 TO STA. 5+30.00

A — 6.0' FROM STA. 1+25.00 TO STA. 2+16.26
6.0' FROM STA. 4+55.59 TO STA. 5+15.61
TAPERS FROM 6.0' AT STA. 5+15.61 TO 6.75' AT STA. 5+30.00

B — 6.0' FROM STA. 1+25.00 TO STA. 2+05.00
TAPERS FROM 6.0' AT STA. 2+05.00 TO 8.0' AT STA. 2+15.00
8.0' FROM STA. 2+15.00 TO STA. 2+16.26
TAPERS FROM 8.0' AT STA. 4+55.59 TO 6.5' AT STA. 4+78.09
6.5' FROM STA. 4+78.09 TO STA. 5+30.00

NOTE: FOR GRADING DETAILS, SEE SHEET P.0022

TYPICAL SECTIONS LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
(2) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
(3) ITEM 301 - 11 1/2" ASPHALT CONCRETE BASE, PG64-22, (449) (PLACED IN LIFTS OF 4", 4", 3.5")
(4) ITEM 304 - 6" AGGREGATE BASE
(5) ITEM 407 - NON-TRACKING TACK COAT (0.05 GAL/SY)
(6) ITEM 204 - SUBGRADE COMPACTION
(7) ITEM 204 - PROOF ROLLING
(8) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
(9) ITEM 304 - 4" AGGREGATE BASE
(10) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
(11) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
(12) ITEM 659 - SEEDING AND MULCHING
(13) ITEM 411 - 8" STABILIZED CRUSHED AGGREGATE
(14) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(15) ITEM 302 - 10" ASPHALT CONCRETE BASE, PG64-22 (PLACED IN 2 - 5" LIFTS)
(16) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
(17) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T = 3" MIN., 3 1/4" MAX.)
(18) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(19) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
(20) ITEM 609 - CURB, TYPE 6
(21) ITEM 609 - CURB, TYPE 2-A
(22) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(23) ITEM 611 - SLOTTED DRAIN, TYPE 2, 15"
(24) ITEM 608 - 4" CONCRETE WALK
(25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
(26) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(27) ITEM 606 - GUARDRAIL, TYPE MGS
(28) ITEM 606 - SPECIAL - CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION
(29) ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
(30) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=17")
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(32) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15")
(33) ITEM 607 - FENCE, MISC: WOOD FENCE
(34) ITEM 605 - AGGREGATE DRAINS
(35) ITEM 609 - CURB, TYPE 3, APP
(36) ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
(CJ) CONSTRUCTION JOINT, CONSTRUCTED AS PER AS-2-15
(LJ) LONGITUDINAL JOINT, CONSTRUCTED PER BP-2.1
(**) SAW CUT AS PER ITEM 252.05 ITEM 407 TACK COAT TO BE APPLIED TO THE FACE OF TRENCH @ 0.025 GAL/SY

(A) EXIST 22"± ASPHALT CONCRETE
(B) EXIST 6"± AGGREGATE
(C) EXIST 13"± ASPHALT CONCRETE
(D) EXIST 6"± AGGREGATE
(E) EXIST 12"± ASPHALT CONCRETE
(F) EXIST 8"± AGGREGATE
(G) EXIST CURB
(H) EXIST CURB AND GUTTER
(I) EXIST 4" CONCRETE SIDEWALK
(J) EXIST 9.25"± ASPHALT CONCRETE
(K) EXIST 3"± ASPHALT CONCRETE
(L) EXIST 9"± REIN PORTLAND CONCRETE

PROPOSED TYPICAL SECTIONS - BLACKLICK TRAIL

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0089 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Blacklick Trail PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:34:32 PM USER: brieder
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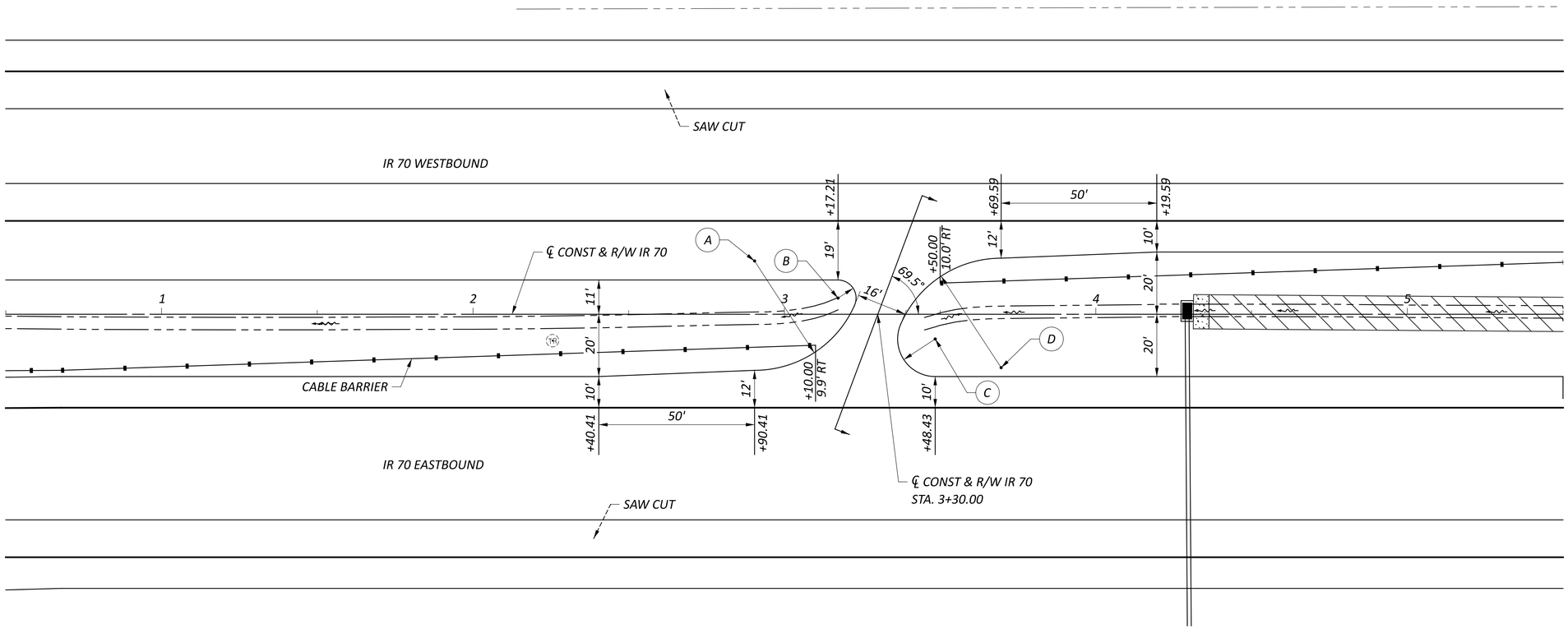
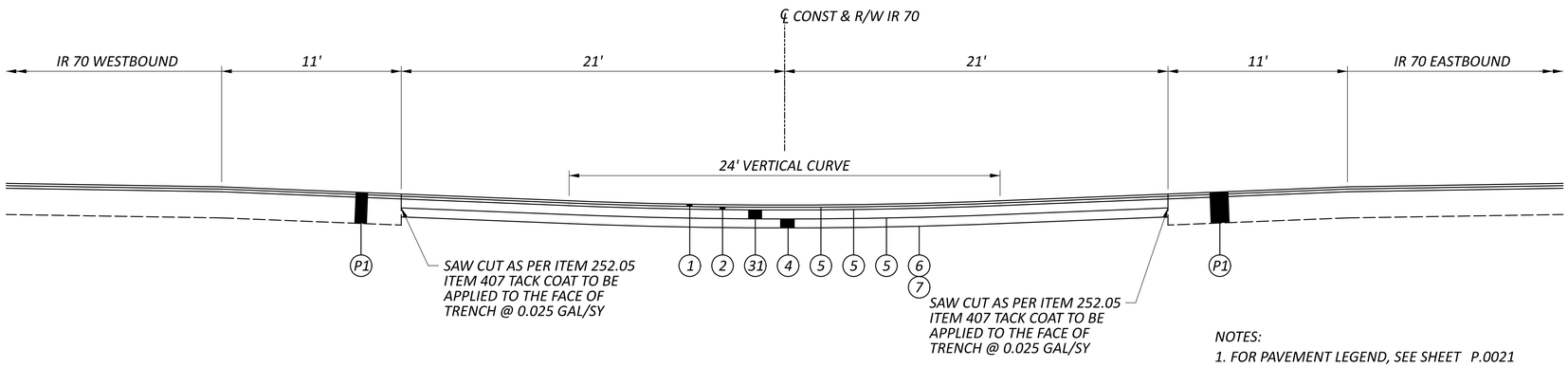


MEDIAN WIDTH = 31' & 40'			
LOCATION	STATION	OFFSET	RADIUS
A	2+90.41	17.14' LT	35.14'
B	3+17.21	5.20' LT	5.80'
C	3+48.43	7.94' RT	12.06'
D	3+69.59	17.14' RT	35.14'



NOTES:
1. FOR PAVEMENT LEGEND, SEE SHEET P.0021

HORIZONTAL SCALE IN FEET
0 10 20 40

MEDIAN U-TURN DETAIL
STA. 3+30.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0090 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:34:47 PM USER: brieder
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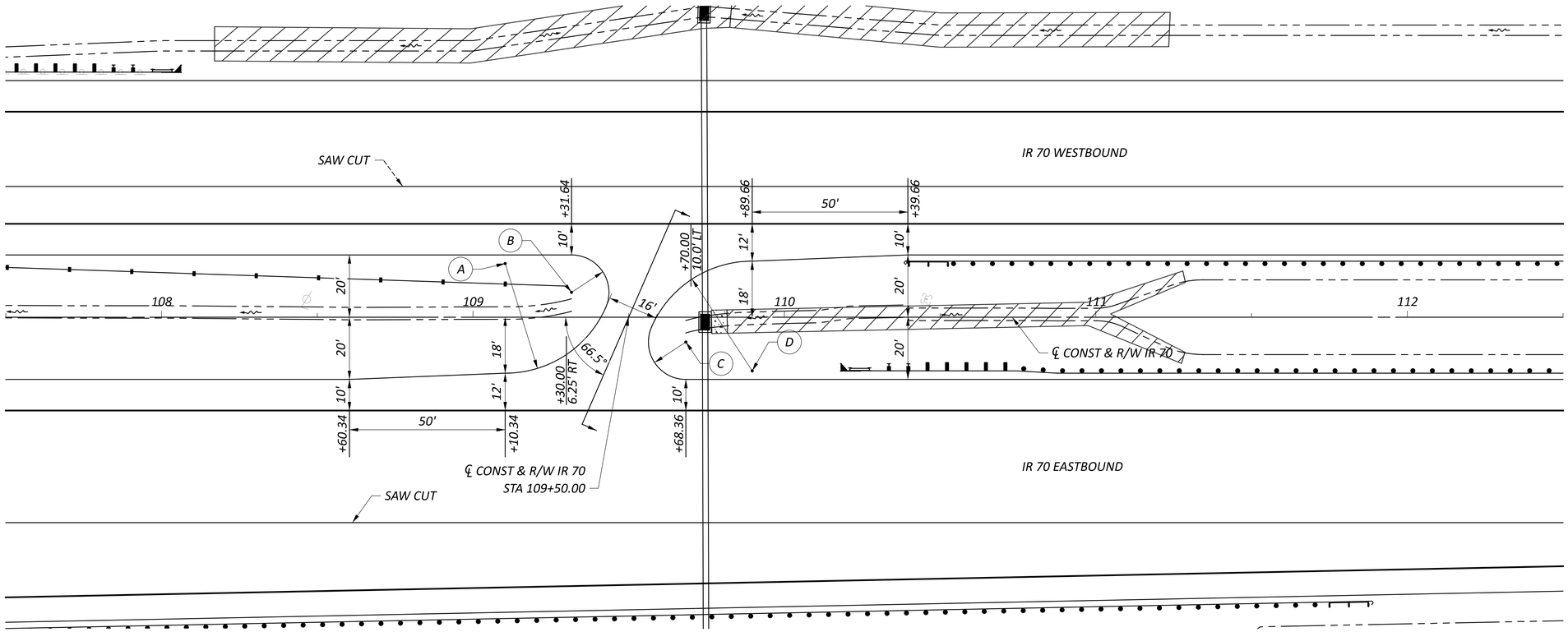
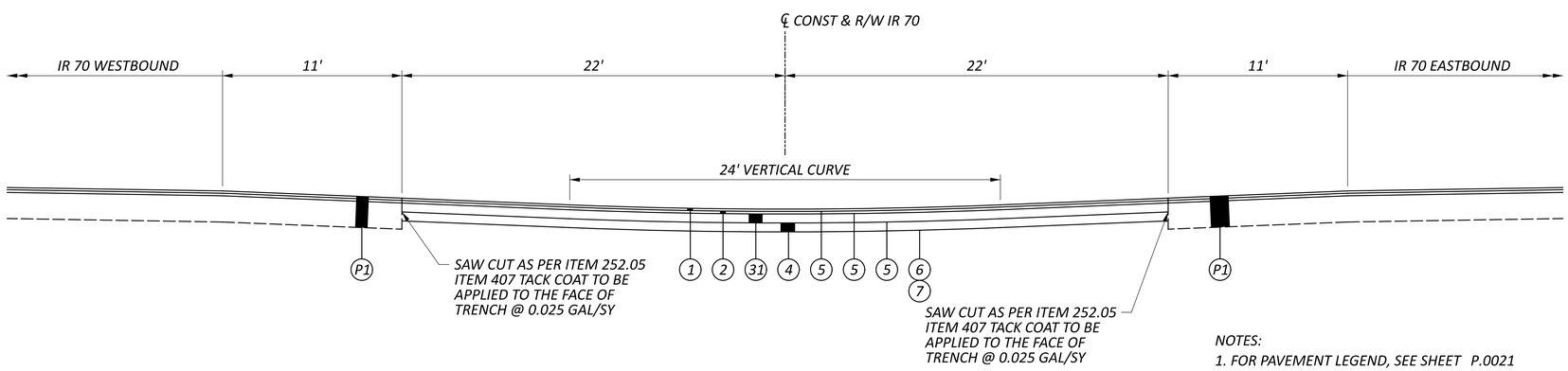


MEDIAN WIDTH = 40'			
LOCATION	STATION	OFFSET	RADIUS
A	109+10.34	17.24' LT	35.24'
B	109+31.64	7.98' LT	12.02'
C	109+68.36	7.98' RT	12.02'
D	109+89.66	17.24' RT	35.24'



NOTES:
1. FOR PAVEMENT LEGEND, SEE SHEET P.0021

HORIZONTAL
SCALE IN FEET
0 10 20 40

MEDIAN U-TURN DETAIL
STA. 109+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0091 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:35:04 PM USER: brieder
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ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ACD.NET
1800 N GRAND RIVER AVE
LANSING, MI 48906
ATTN: NOVINA MARSELINE
517-999-9999
MARSELINE.NOVIANA@ACD.NET

AEP (DISTRIBUTION
38831 STATE ROUTE 7
REEDSVILLE, OHIO 45772
ATTN: CLARK sAUNDERS
740-985-3054
CMSAUNDERS@AEP.COM

AT&T OHIO
111 N FORTH ST
COLUMBUS, OH 43215
ATTN: KEVIN GLASSER
614-208-9312
KG1963@ATT.COM

BREEZELINE/WOW
3765 CORPORATE DR
COLUMBUS, OH 43231
614-948-4636
COLFR@WOWINC.COM

BRIGHTSPEED (FORMERLY LUMEN)
2025 AKRON RD
WOOSTER, OH 44691
ATTN: ANTHONY WILLIAMS
ANTHONY.WILLIAMS1@BRIGHTSPEED.COM
RELOCATIONS@BRIGHTSPEED.COM

CITY OF COLUMBUS SANITARY SEWER
1250 FAIRWOOD AVE
COLUMBUS, OH 43206
ATTN: ROB PRIESTAS
614-645-7175
UTILITYLEADREP@COLUMBUS.GOV

CITY OF COLUMBUS WATER
910 DUBLIN RD
COLUMBUS, OH 43215
ATTN: JOHN NEWSOME
614-645-7020
UTILITYLEADREP@COLUMBUS.GOV

CITY OF COLUMBUS PICKERINGTON
PUBLIC SERVICE DEPARTMENT
100 LOCKVILLE RD
PICKERINGTON, OH 43147
614-641-2444

CITY OF COLUMBUS REYNOLDSBURG WATER/WASTEWATER
7232 E MAIN ST
REYNOLDSBURG, OH 43068
SHAWN REGAN
614-322-6840
SREGAN@REYNOLDSBURG.GOV

COLUMBIA GAS OF OHIO
3550 JOHNNY APPLESEED CT
COLUMBUS, OH 43231
ATTN: TARA NEMCIK
614-813-1402
TNEMCIK@NISOURCE.COM

TRANSCANADA (COLUMBIA GAS TRANSMISSION)
CROSSINGS & ENCROACHMENT APPLICATIONS
700 LOUISIANA ST
SUITE 700
HUSTON, TX 77002
ATTN: 800-562-8931
US_CROSSINGS@TCENERGY.COM
US_CROSSINGS@TRANSCANADA.COM

EVERSTREAM
240 N 5TH ST #168
COLUMBUS, OH 43215
ATTN: KANN KHAY
614-354-7666
KKHAY@EVERSTREAM.NET

FAIRFIELD COUNTY UTILITIES
6670 LOCKVILLE RD
CARROLL, OH 43112
ATTN: TONY J. VOGEL
614-322-5200
740-652-7120
TONY.VOGEL@FAIRFIELDCOUNTYOHIO.GOV

KNOX ENERGY COOP (NOBLE CTY)
UTILITY PIPELINE LTD
ATTN: CHRIS WILKIN
330-498-9130 EXT 376
CWILKIN@UTILITYPIPELINELTD.COM

LUMEN (LEVEL 3)
RELOCATIONS@LUMEN.COM

VERIZON/MCI METRO
7575 COMMERCE CT
LEWIS CENTER, OH 43035
ATTN: BOB DERN
614-381-8852
VZ.NET.COLUMBUS@VERIZON.COM

ODOT DISTRICT 5 TRAFFIC
TRAFFIC OPERATIONS ENGINEER
9600 JACKSONTOWN RD
JACKSONTOWN, OH 43030
ATTN: BRIAN BOSCH
740-323-5182
740-616-6340
BRIAN.BOSCH@DOT.OHIO.GOV

ODOT DISTRICT 6 LIGHTING
TRAFFIC OPERATIONS ENGINEER
400 E WILLIAMS ST
DELAWARE, OH 43015
ATTN: DAVID CARLIN
740-833-8198
740-815-6015
DAVID.CARLIN@DOT.OHIO.GOV

ODOT ITS LAB
1606 WEST BROAD STREET
COLUMBUS, OH 43223
614-387-4113
CEN.ITS.LAB@DOT.OHIO.GOV

SOUTH CENTRAL POWER
720 MILL PARK DR
LANCASTER, OH 43130
ATTN: SCOTT FLOWERS
740-689-6233
FLOWERS@SOUTHCENTRALPOWER.COM

SOUTHWEST LICKING WATER & SEWER
69 ZELLER LN
ETNA, OH 43062
ATTN: CHRISTOPHER GILCHER
740-928-2178 EXT 225
CGILCHER@SWLCWS.COM

UTILITY PIPELINE LTD
4100 HOLIDAY ST NW SUITE 201
CANTON, OH 44718
ATTN: KYLE UNERWOOD
330-498-9130 EXT 310
KUNDERWOOD@UTILITYPIPELINELTD.COM

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9 PM AND 7 AM IN AREAS WITH A HIGH CONCENTRATION OF RESIDENTIAL PROPERTIES WITHOUT PRIOR NOTIFICATION TO THE PROJECT ENGINEER. THE AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED AND PROVIDED A TIME FRAME FOR THE LENGTH OF THIS DISRUPTION. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	_____	_____	_____
30"	_____	_____	_____
48"	_____	_____	_____
60"	_____	_____	_____

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.0020 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD:	INS GNSS SURVEY
MONUMENT TYPE:	TYPE A / TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME:	NAD83(2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC 2 STANDARD PARALLEL
COORDINATE SYSTEM:	OHIO (SOUTH)
COMBINED SCALE FACTOR:	0.99994265
ORIGIN OF COORDINATE SYSTEM:	(0,0)

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

ROADWAY GENERAL NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0092 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:36:14 PM USER: brteder
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MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. XX.

ITEM 204, PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING XX HOUR

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 100 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
OBSTRUCTION EVALUATION GROUP
10101 HILLWOOD PARKWAY
FORT WORTH, TX 76177
FAX: (817) 222-5920
HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

SETTLEMENT REQUIREMENTS

THE PLANNED CONSTRUCTION OF TAYLOR ROAD WILL REQUIRE APPROXIMATLEY 25 FEET OF NEW EMBANKMENT FILL AT THE PROPOSED BRIDGE SITE. BASED ON OUR ANALYSIS, THE GROUND SURFACE IS ESTIMATED TO EXPERIENCE APPROXIMATELY 3.12 INCHES OF IMMEDIATE SETTLEMENT AND 3.96 INCHES OF LONG-TERM (CONSOLIDATION) SETTLEMENT FROM THE INDUCED LOADS FROM THE 25-FT HIGH EMBANKMENT. IMMEDIATE SETTLEMENT IS EXPECTED TO TAKE PLACE DURING CONSTRUCTION, PRIOR TO BRIDGE LOADING, AND IS NOT ANTICIPATED TO PRESENT A CONCERN. THE TIME REQUIRED TO ACHIEVE 90% CONSOLIDATION AT THE SITE IS ESTIMATED TO BE APPROXIMATELY 40 DAYS, FOLLOWING COMPLETION OF EMBANKMENT CONSTRUCTION.

ITEM 204, SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.

2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).

   IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.

4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

   PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.

6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.

7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

CONTINGENCY QUANTITIES

PLANS HAVE INCLUDED THE FOLLOWING QUANTITIES FOR THE PROJECT USE AS DIRECTED BY THE PROJECT ENGINEER.

ITEM 204 EXCAVATION OF SUBGRADE	1000 CY
ITEM 204 GRANULAR MATERIAL, TYPE B	1000 CY
ITEM 204 GEOTEXTILE FABRIC	3000 SY

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISIONS OF EXPANSION JOINTS AT ALL MAJOR STRUCTURE INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IN IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISIONS OF EXPANSION JOINTS AT ALL MAJOR STRUCTURE INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IN IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

MEDIAN AND/OR CURBING ON APPROACH SLABS

WITHIN THE LIMITS OF THE APPROACH SLAB, TRANSITION THE SHAPE OF THE MEDIAN AND/OR CURBING ON APPROACH SLABS FROM THE STANDARD SECTION ON THE APPROACHES TO THE SECTION USED ON THE BRIDGE.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS730.19.

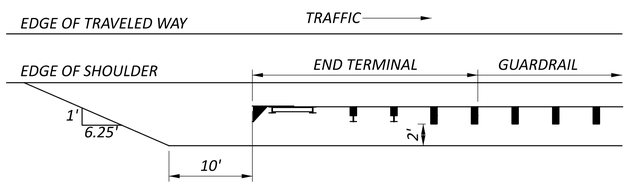
REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT ANDMATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALLRELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

GRADING FOR MGS TYPE E ANCHOR ASSEMBLY

THE GRADING LAYOUT SHOWN HERE SHALL BE USED WITH ITEM 606 ANCHOR ASSEMBLY, MGS TYPE E, AS DETAILED IN THIS PLAN.



ITEM 606 - CABLE GUARDRAIL

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY ONE OF THE HIGH TENSION FOUR CABLE GUARDRAIL SYSTEMS AS LISTED ON THE OFFICE OF ROADWAY ENGINEERING'S WEB PAGE. PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION, AND ITEM 606 CABLE BARRIER, ANCHOR ASSEMBLY AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL HIGH TENSION CABLE GUARDRAIL SYSTEM NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER. THE LENGTH OF THE TENSIONED CABLE NECESSARY TO INSTALL A FUNCTIONAL ANCHOR SYSTEM SHALL BE INCLUDED IN ITEM 606, CABLE BARRIER WITH CONCRETE LINE POST FOUNDATION.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

SYSTEMS SHALL HAVE A MAXIMUM DEFLECTION OF 8 FEET AND THE MAXIMUM LONGITUDINAL DISTANCE BETWEEN POSTS SHALL BE 15 FEET.

INSTALLATION WILL BE A FOUR CABLE HIGH TENSION SYSTEM INSTALLED IN SOCKETED POSTS FOUNDATION WITH A FOUR FOOT WIDE "NO MOW STRIP".

DELINEATE THE CABLE BARRIER USING TYPE 6 BARRIER REFLECTORS PER ITEM 626 OR USING FLEXIBLE POSTS PER ITEM 620 AS CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.

ANCHOR TERMINAL STRUTS SHALL BE COVERED COMPLETELY ON BOTH SIDES WITH YELLOW TYPE J, ASTM D 4956 TYPE XI REFLECTIVE SHEETING, PER CMS 730.193.

TRANSITIONS TO W-BEAM GUARDRAIL ARE NOT ALLOWED.

REFER TO MANUFACTURER FOR MAXIMUM OFFSET FROM BREAK POINT.

TORPEDO OR BULLET SPLICES ARE NOT ALLOWED. ALL CABLE SPLICES SHALL BE A SWAGED OR OPEN BODY DESIGN THAT ALLOWS FOR ANNUAL INSPECTION BETWEEN THE WEDGE AND STRANDS OF CABLE.

POSTS ARE SET IN SOCKETED CONCRETE FOUNDATIONS AND SHALL NOT BE PERMANENTLY INSTALLED UNTIL THEIR RESPECTIVE RUNS OF TENSIONED CABLE GUARDRAIL ARE READY FOR FINAL CONNECTION TO THE END TERMINAL ASSEMBLY. THE CONTRACTOR SHALL REPLACE ANY POSTS DAMAGED DURING INSTALLATION AS DETERMINED BY THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.

ROADWAY GENERAL NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0093 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

ITEM 606 - IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE TYPE 2 IMPACT ATTENUATORS AS LISTED ON THE OFFICE OF ROADWAY ENGINEERING'S WEB PAGE (REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS). WHEN BI-DIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, IMPACT ATTENUATOR, TYPE 2 [(SPEED (IN MPH), HAZARD WIDTH (IN INCHES)), (UNIDIRECTIONAL OR BIDIRECTIONAL)], EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS/BACKSTOPS, TRANSITIONS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

ITEM 618 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)

THE FOLLOWING QUANTITY IS PROVIDED TO INSTALL RUMBLE STRIPS ON THE INSIDE AND OUTSIDE SHOULDERS OF THE WESTBOUND AND EASTBOUND LANES OF IR 70, AND ALONG RAMP H AND RAMP K, AS PER STANDARD CONSTRUCTION DRAWING BP-9.1.

ITEM 618 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) 18.73 MILE QUANTITY CARRIED TO THE GENERAL SUMMARY

CALCULATIONS:

IR 70 WESTBOUND:
619+00.00 - 641+07.44 = 2,207.44' (INSIDE)
0+00.00 - 43+92.00 = 4,392.00' (INSIDE)
45+91.00 - 62+71.00 = 1,680.00' (INSIDE)
64+76.00 - 163+97.00 = 9,921.00' (INSIDE)
165+65.00 - 186+00.00 = 2,035.00' (INSIDE)
619+00.00 - 641+07.44 = 2,207.44' (OUTSIDE)
0+00.00 - 43+92.00 = 4,392.00' (OUTSIDE)
45+91.00 - 55+32.00 = 941.00' (OUTSIDE)
55+32.00 - 72+50.00 = 1,718.00' (OUTSIDE)
72+50.00 - 125+82.00 = 5,332.00' (OUTSIDE)
125+82.00 - 163+60.00 = 3,775.00' (OUTSIDE)
165+28.00 - 186+00.00 = 2,072.00' (OUTSIDE)

TOTAL = 40,672.88 FT / 5280 = 7.71 MILE

IR 70 EASTBOUND
619+00.00 - 641+07.44 = 2,207.44' (INSIDE)
0+00.00 - 43+92.00 = 4,392.00' (INSIDE)
45+90.00 - 62+59.00 = 1,669.00' (INSIDE)
64+64.00 - 164+60.00 = 9,996.00' (INSIDE)
166+27.00 - 186+00.00 = 1,973.00' (INSIDE)
619+00.00 - 641+07.44 = 2,207.44' (OUTSIDE)
0+00.00 - 43+00.00 = 4,300.00' (OUTSIDE)
43+00.00 - 43+92.00 = 92.00' (OUTSIDE)
45+90.00 - 103+50.00 = 5,760.00' (OUTSIDE)
102+50.00 - 121+45.00 = 1,895.00' (OUTSIDE)
121+45.00 - 164+97.00 = 4,352.00' (OUTSIDE)
166+65.00 - 186+00.00 = 1,935.00' (OUTSIDE)

TOTAL = 40,778.88 FT / 5280 = 7.73 MILE

RAMP H
72+50.00 - 103+00.00 = 3,050.00' (INSIDE)
72+50.00 - 73+93.00 = 143.00' (OUTSIDE)
73+93.00 - 103+00.00 = 2,907.00' (OUTSIDE)

TOTAL = 6,100.00 FT / 5280 = 1.16 MILE

RAMP K
43+00.00 - 43+92.00 = 92.00' (INSIDE)
45+91.00 - 62+52.00 = 1,661.00' (INSIDE)
64+57.00 - 103+55.00 = 3,898.00' (INSIDE)
43+00.00 - 43+92.00 = 92.00' (OUTSIDE)
45+91.00 - 54+68.00 = 877.00' (OUTSIDE)
54+68.00 - 62+47.00 = 779.00' (OUTSIDE)
64+51.00 - 65+86.00 = 135.00' (OUTSIDE)
65+86.00 - 76+48.00 = 1,062.00' (OUTSIDE)
76+48.00 - 101+12.00 = 2,464.00' (OUTSIDE)
101+12.00 - 102+55.00 = 143.00' (OUTSIDE)

TOTAL = 11,203.00 FT / 5280 = 2.13 MILE

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	XX EACH
659, TOPSOIL	XX CU. YD.
659, SEEDING AND MULCHING	XX SQ. YD.
659, REPAIR SEEDING AND MULCHING	XX SQ. YD.
659, INTER-SEEDING	XX SQ. YD.
659, COMMERCIAL FERTILIZER	XX TON
659, LIME	XX ACRES
659, WATER	XX M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWER INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGES IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

ORDERING OF A PROPOSED INLET, CATCH BASIN OR MANHOLE THAT TIES INTO AN EXISTING CONDUIT

AT LOCATIONS WHERE A PROPOSED INLET, CATCH BASIN, OR MANHOLE IS TO JOIN TO AN EXISTING CONDUIT, THE FLOW LINE ELEVATION OF THE EXISTING CONDUIT SHALL BE VERIFIED BEFORE ORDERING THE PROPOSED INLET, CATCH BASIN OR MANHOLE. THIS IS TO ENSURE THE INVERT OF THE PROPOSED STRUCTURE WILL MATCH UP WITH THE EXISTING CONDUIT.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.
THE QUANTITIES HAVE BEEN INCLUDED IN THE DRAINAGE SUBSUMMARY FOR THE WORK NOTED ABOVE.

ITEM SPECIAL PIPE CLEANOUT

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS TO BE EXTENDED. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT BID PRICE FOR ITEM SPECIAL-PIPE CLEANOUT. THIS PRICE SHALL INCLUDE THE COST OF MATERIAL, EQUIPMENT, LABOR AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

ROADWAY GENERAL NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0094 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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ITEM 611 CONDUIT BORED OR JACKED

WHERE IT IS SPECIFIED THAT A CONDUIT BE INSTALLED BY THE METHOD OF BORING OR JACKING, NO TRENCH EXCAVATION SHALL BE CLOSER THAN 30 FEET TO THE EDGE OF PAVEMENT. PROVIDE A 0.50 INCH UNGALVANIZED CASING PIPE CONFORMING TO 748.06 THAT HAS JOINTS WITH A CIRCUMFERENCIAL FULLY PENETRATING B-U4B WELD THAT IS PREFORMED BY AN ODOT APPROVED FIELD WELDER. THE INSTALLED CASING PIPE IS THE STORM CONVEYANCE CARRIER UNLESS OTHERWISE SPECIFIED IN THE PLANS. HYDROSTATIC TESTING IS NOT REQUIRED FOR THE CASING PIPE.

ITEM SPECIAL FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 12 INCH AND 15 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

EXTENDED DETENTION BASIN

THIS PLAN UTILIZES EXTENDED DETENTION BASIN(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. DETENTION BASINS MAY BE USED AS SEDIMENT CONTROL DEVICES DURING CONSTRUCTION. FOLLOWING STABILIZATION OF THE TRIBUTARY AREA, CONFIRM THE FINAL GRADING OF THE DETENTION BASIN MATCHES THE PLANS. REMOVE THE DETENTION BASIN OUTLET STRUCTURE FOR CONSTRUCTION SEDIMENT CONTROL AND CONFIRM THE OUTLET STRUCTURE MATCHES THE DESIGN SHOWN IN THE PLANS.

ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DEPARTMENT:

THE CONTRACTOR SHALL PROVIDE AS-BUILT DATA FOR THE SPECIFIED COMPLETED CONSTRUCTION ITEMS IN OHIO STATE PLANE COORDINATES (GRID). THE CONSTRUCTION ITEMS SHALL BE LOCATED AS PER THE SURVEY FEATURE CODE LIST FOUND ON THE OHIO DEPARTMENT OF TRANSPORTATION OFFICE OF CADD MAPPING SERVICES WEBSITE. A CD CONTAINING A COMMA DELIMITED ASCII FILE AND A SURVEYOR'S CERTIFICATION SHALL BE DELIVERED TO THE PROJECT ENGINEER AFTER ALL INFORMATION HAS BEEN COLLECTED. THE ASCII FILE SHALL INCLUDE A HEADER CONTAINING THE NAME OF THE SURVEYOR, DATE(S), OF COLLECTION, HORIZONTAL DATUM (I.E. NAD83 (2011), OHIO STATE PLANE COORDINATE SYSTEM NORTH OR SOUTH), VERTICAL DATUM (I.E. NADV 88, GEOID12A) AND METHOD OF COLLECTION (I.E. OHIO VRS, GPS RTK, TOTAL STATION, ETC) AND BE IN A TABLE FORM AS FOLLOWS:

POINT NUMBER, NORTHING, EASTING, ELEVATION, FEATURE CODE, DESCRIPTION

BELOW IS A LIST OF ITEMS THE CONTRACTOR IS REQUIRED TO PROVIDE:

- *RIGHT-OF-WAY FENCE (POINTS AT ALL CHANGES IN DIRECTION)*
- *LIGHT POLES AND PULL BOXES*
- *BARRIER (GUARDRAIL, CONCRETE, OR CABLE)*
- *BMP'S (SEE PROJECT SITE PLAN FOR INFO)*
- *CULVERTS (INLET INVERT, OUTLET INVERT, TYPE, AND SIZE)*
- *STORM SEWER OUTLETS (OUTLET INVERT, TYPE, AND SIZE)*
- *CATCH BASINS, MANHOLES, AND INLETS*
- *UNDERDRAIN OUTLETS*
- *SIGNS (WITH DESCRIPTION)*
- *TRAFFIC SIGNAL POLES, CONTROLLER LOCATION AND SIGNAL PULL BOXES*

THE ABOVE ITEMS SHALL BE COLLECTED USING SURVEY GRADE EQUIPMENT MEETING THE REQUIREMENTS OF SECTION 400 IN THE OHIO DEPARTMENT OF TRANSPORTATION SURVEY & MAPPING SPECIFICATIONS MANUAL.

ALL COSTS ASSOCIATED WITH OBTAINING THE INFORMATION ABOVE INCLUDING THE COST OF THE CD SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.

IN ADDITION TO THE ABOVE REQUIREMENTS, SOME PROJECT CONTROL WILL BE DESTROYED OR WILL NEED SUPPLEMENTED DURING DIFFERENT PHASES OF CONSTRUCTION. ADDITIONAL MONUMENTS SHALL BE ESTABLISHED IN KIND TO PRIMARY PROJECT CONTROL. A MONUMENT VERIFICATION REPORT SHALL BE COMPILED AT A MINIMUM ANNUALLY THROUGHOUT THE DURATION OF THE PROJECT. THIS REPORT IS DUE TO THE SURVEY DEPARTMENT OF ODOT'S DISTRICT 5 ON OR BEFORE NOVEMBER 1 EACH YEAR OF ONGOING CONSTRUCTION. THIS REPORT SHALL CONTAIN UNIQUE POINT NUMBERS, APPLICABLE COORDINATES, MONUMENT TYPE, AND CURRENT CONDITION. MONUMENT TYPE AND SPACING SHALL BE SIMILAR TO ORIGINAL PRIMARY PROJECT CONTROL.

ALL MATERIALS, AND EQUIPMENT RELATED TO MAINTAINING USABLE CONTROL POINTS AND ASSOCIATED REPORTS SHALL BE INCLUDED IN THE ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.
(FOR SURVEY PARAMETERS NOTE, SEE SHEET P.0092)

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT. NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

ROADWAY GENERAL NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0095 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00
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ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN
ITEM 622 - CONCRET BARRIER END SECTION, TYPE D, AS PER PLAN
ITEM 622 - CONCRETE BARRIER END ANCHORAGE , REINFORCED, TYPE D, AS PER PLAN

THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED IN THE BRIDGE PLANS. ALL AESTHETIC TREATMENT OF THERE SECTIONS OF BARRIER SHALL BE THE SAME AS THE APPROVED TREATMENTS FOR BRIDGE NO FAI-XX-XX.XXXX DETAILED IN THIS PLAN.

FOR DETAILS NOT SHOWN, CONSTRUCT THESE ITEMS ACCORDING TO ODOT SCD RM-4.5 AND RM-4.6 AND THE C&MS.

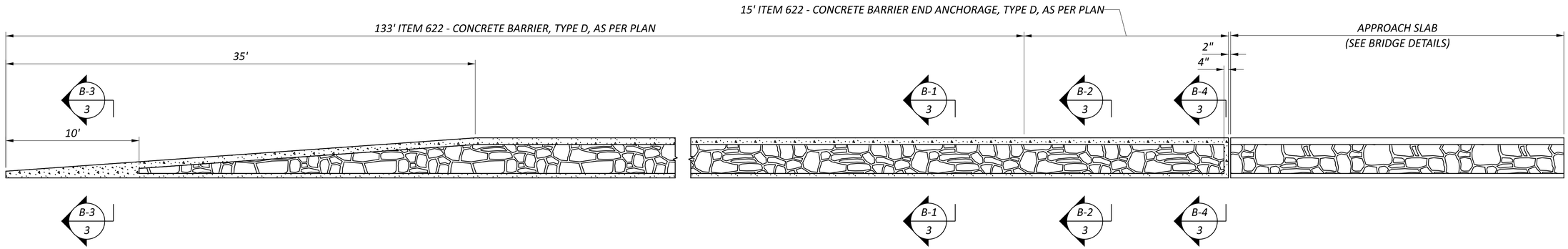
FOR AESTHETIC TREATMENT ITEM, INCIDENTALS, AND QUANTITIES, SEE THE BRIDGE PLANS.

ALL WORK INCLUDING THE RE-STEEL VARIATIONS FROM THE STANDARD BARRIER DETAILS REFERENCED AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR ITEMS 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN, 622 - CONCRET BARRIER END SECTION, TYPE D, AS PER PLAN, AND 622 - CONCRETE BARRIER END ANCHORAGE , REINFORCED, TYPE D, AS PER PLAN.

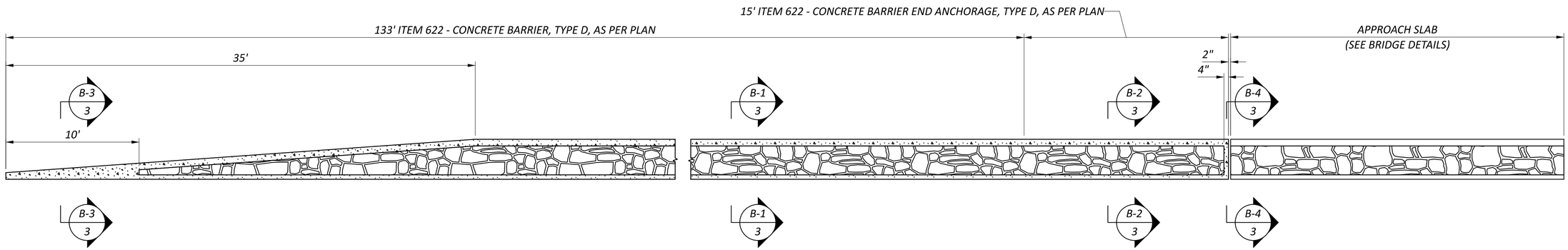
AESTHIC PATTERN WITH GRAY STAIN AS DESCRIBED IN BRIDGE PLANS

FLUSH CONCRETE SURFACE (NO STAIN)

NOTE:
ALL REINFORCING STEEL SHALL BE PROVIDED ACCORDING TO SCD'S RM-4.5 AND RM-4.6 AND THESE PLANS.



TAYLOR ROAD BARRIER AESTHIC LAYOUT (INSIDE FACE SOUTH OF BRIDGE)
(NOT TO SCALE)



TAYLOR ROAD BARRIER AESTHIC LAYOUT (OUTER FACE SOUTH OF BRIDGE)
(NOT TO SCALE)

CONCRETE BARRIER DETAILS

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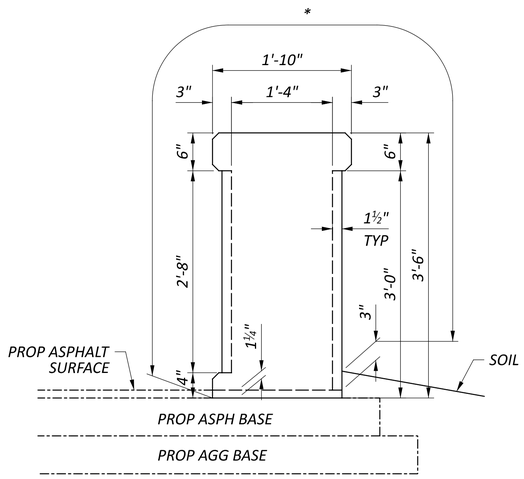
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

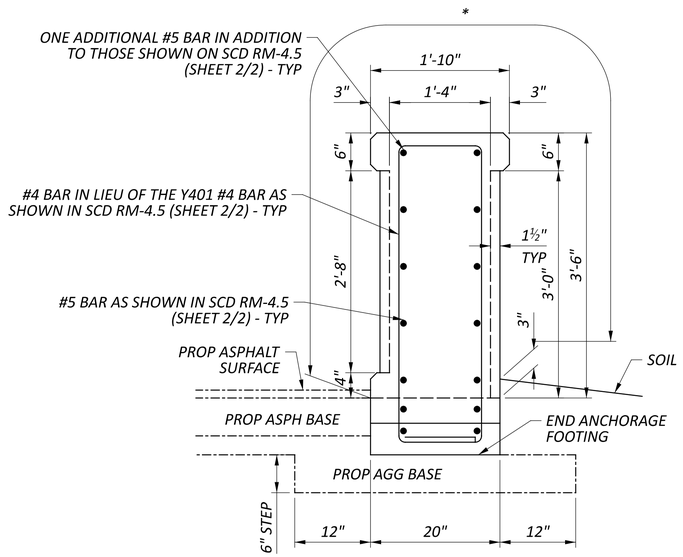
REVIEWER
KAM 04/25/25

PROJECT ID
96808

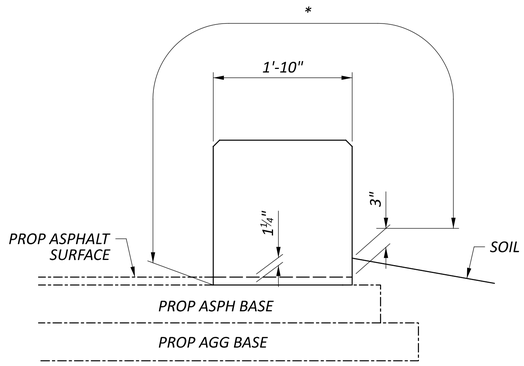
SHEET P.0096 TOTAL P.1556



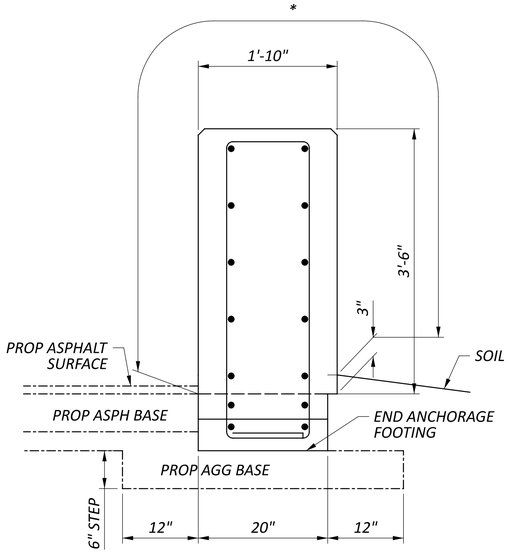
SECTION B-1 / 2



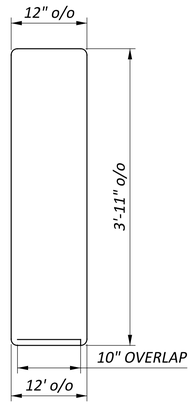
SECTION B-2 / 2



SECTION B-3 / 2



SECTION B-4 / 2



BENDING DIAGRAM

#4 BAR IN LIEU OF THE Y401 #4 BAR AS SHOWN IN SCD RM-4.5 (SHEET 2/2)

NOTES:
ALL REINFORCING STEEL SHALL BE PROVIDED ACCORDING TO SCD'S RM-4.5 AND RM-4.6 AND THESE PLANS.

** - ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY) = CLEAR COATING*

CONCRETE BARRIER DETAILS

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0097 TOTAL P.1556

ITEM 614 - MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

A MINIMUM OF 3 LANES OF TRAFFIC IN EACH DIRECTION ON IR-70 WEST OF SR 256 AND 2 LANES EAST OF SR 256 SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410, AND 614 UNLESS OTHERWISE NOTED.

A MINIMUM OF 2 LANES OF TRAFFIC IN EACH DIRECTION ON SR 256 SHALL BE MAINTAINED AT ALL TIMES. TAYLOR ROAD SHALL MAINTAIN A MINIMUM OF ONE LANE IN EACH DIRECTION DURING PHASES 3 AND 4. RAMP TRAFFIC SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF THE NOTES ON THE FOLLOWING PAGES.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN, COVER AND REMOVE ALL SIGNS, SIGN SUPPORTS, BARRICADES, CONES, DRUMS, FLAGGERS, AND ANY INCIDENTALS AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR SHOWN ON THE PLANS.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE LOCATIONS SHOWN ON THE PLANS DURING PERIODS IN ROADWAYS OR RAMPS ARE CLOSED TO TRAFFIC.

NOTICE OF CLOSURE SIGNS (W20-H13), SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMPS & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRIC RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED) — ELECTION DAY (NOV)
MEMORIAL DAY — THANKSGIVING
FOURTH OF JULY (OBSERVED) — CHRISTMAS (OBSERVED)
LABOR DAY

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING)	5:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410,	TRAFFIC COMPACTED SURFACE, TYPE A OR B	XX CU. YD.
ITEM 410,	TRAFFIC COMPACTED SURFACE, TYPE C	XX CU. YD.
ITEM 614,	ASPHALT CONC. FOR MAINTAINING TRAFFIC	XX CU. YD.
ITEM 616,	WATER	XX M. GAL.

PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

FOR ROUTES NOT ON THE PERMITTED LANE CLOSURE CHART, ONLY DURING OFF-PEAK PERIODS (ie ANY PERIOD OTHER THAN 6-9AM AND 3-7PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE. THIS REQUIREMENT SHALL ALSO APPLY TO THOSE ROUTES INCLUDED ON THE PERMITTED LANE CLOSURE CHART WHICH ARE NOT DETAILED IN THE PLAN SET.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS INCLUDING REMOVALS SHALL SHALL BE PER THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMPS & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONST-RUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ALTERNATE MAINTENANCE OF TRAFFIC PLANS

IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THE INTENT OF THE ABOVE PROVISIONS IS FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THERE FROM. NO ALTERNATE PLANS SHALL BE PLACED IN EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING BY THE ODOT DISTRICT CONSTRUCTION ENGINEER.

DROPOFFS IN THE WORKZONE

THE OPTIONAL WEDGE TREATMENT AS DETAIL ON MT-101.90 WILL BE REQUIRED UNLESS PROTECTED AND SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC FOR SIDE ROAD, SHOULDER, TEMPORARY PAVEMENT, OR RAMP CONSTRUCTION.

CONSTRUCTION ACCESS POINTS

WITHING THE PROJECT WORK AREA, THE CONTRACTOR SHALL RECOMMEND WHERE THE ACCESS POINTS ARE TO BE LOCATED THROUGHTOUT THE PROJECT BASED ON SCD MT-103.10. ACCESS POINTS DESIGNATED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO SET UP AND TEAR DOWN THE APPROVED ACCESS LOCATION POINTS SHALL BE INCLUDED INTHE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

SHORT TERM CLOSURE OF MULTI-LANE DIVIDED HIGHWAY

TRAFFIC SCD MT-99.60 SHALL BE USED TO CLOSE (TRAFFIC SLOWED TO 25 MPH OR LESS) MULTI-LANE DIVIDED HIGHWAYS FOR A MAXIMUM OF 15 MINUTES TO PERFORM OPERATIONS SUCH AS INSTALLING A TRUSS SUPPORT ACROSS THE TRAVEL LANES AND SETTING BEAMS FOR BRIDGES OVER I-70, SR 256, AND PALMER ROAD.

MAINTAINING DRAINAGE DURING CONSTRUCTION

THE CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION AT ALL TIMES. THIS SHALL BE ACHIEVED BY THE USE OF THE EXISTING DRAINAGE PIPES, DITCHES, CULVERTS, ETC. WHEN AT ALL POSSIBLE, AS WELL AS TEMPORARY AND PROPOSED DRAINAGE ITEMS.

GENERALLY, THE EXISTING DRAINAGE DEVICES SHALL REMAIN IN PLACE AND IN OPERATION UNTIL THE PROPOSED FEATURES ARE CONSTRUCTED AND OPERATIONAL. WHEN EXISTING DEVICES ARE NO LONGER NEEDED THEY SHALL BE REMOVED IF POSSIBLE OR PROPERLY PLUGGED AND FILLED. FOR MEDIAN STORM CROSSINGS, THE CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING TEMPORARY SHEETING OR BORING OR JACKING A PORTION OF THE PIPE UNDER THE ACTIVE LANES AT THE PHASE CUT LINES. BARRIER OR INLETS NOT BEING INSTALLED UNTIL A LATER PHASE MAY REQUIRE TYPE 2 12" SLOTTED DRAINS TO MAINTAIN DRAINAGE OR OUTLET NEWLY CONSTRUCTED INLETS. THE SLOTTED DRAINS SHALL OUTLET TO THE NEAREAST INLET/CATCH BASIN OR TO THE NEAREST DITCH. IF THE INLET IS CONSTRUCTED WITHOUT THE BARRIER, THE CONTRACTOR SHALL PLACE A STEEL PLATE OR APPROVED BRIDGE BY THE ENGINEER OVER THE OPENING OF THE INLET AND PLACE PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A OVER THE INLET OPENING TO MATCH THE CROSS SLOPE OF THE EXISTING SHOULDER.

DURING PHASE CONSTRUCTION SOME LATERALS ARE REQUIRED TO BE BORED OR JACKED FROM BORING PIT TO BORING PIT OR BORING PIT UNTIL THE CONDUIT DAYLIGHTS FROM AN EXISTING SLOPE. THESE OPERATIONS MAY REQUIRE THE NEED FOR ADDITIONAL LENGTH OF CONDUIT TO BE BORED OR JACKED FROM THE PLAN QUANTITIES. THE ADDITIONAL LEGNTH SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

UNLESS SEPARATELY ITEMIZED IN THE PLANS, ALL LABOR, EQUIPMENT, MATERIALS REQUIRED TO MAINTAIN DRAINAGE DURING CONSTRUCTION, INCLUDING SUBSEQUENT REMOVAL OF ANY TEMPORARY ITEMS, SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND THE EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

SHOULDER, LANE, AND RAMP CLOSURES

ALL RAMPS AND LANES ARE TO REMAIN OPEN TO TRAFFIC UNLESS OTHERWISE SPECIFIED IN THESE PLANS OR BY THE ENGINEER. SHOULDER CLOSURES ARE TO BE PER THE PLANS.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 4-15-25

PROJECT ID
96808

SHEET P.0098 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROAD WAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL; AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

THE FOLLOWING ITEMS ARE QUANTIFIED IN THE SUBSUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 2 (ONE-WAY)
ITEM 614, OBJECT MARKER, 1-WAY

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

ITEM 614 - WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN

WORK ZONE RAISED PAVEMENT MARKERS, AS PER PLAN, AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621.

RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM OCTOBER 15 THROUGH APRIL 01.

IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMS) CONFORMING TO C&MS 614, WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE PAVEMENT MARKER, AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08.

RESURFACING OF THE TRANSITION AREAS SHALL BE PERFORMED AT THE TIME THAT THE SURFACE COURSE IS BEING APPLIED TO THE ENTIRE PROJECT. PRIOR TO APPLICATION OF THE SURFACE COURSE ON THE PROJECT, THE EXISTING PAVEMENT WITHIN THE TRANSITION AREA SHALL BE REMOVED TO A DEPTH NECESSARY TO REACH THE LEVEL OF THE INTERMEDIATE COURSE OF THE PAVEMENT, AS DETERMINED BY THE ENGINEER.

THE FOLLOWING BID ITEM IS INCLUDED IN THE PLANS AND IS QUANTIFIED IN THE MOT SUBSUMMARY:

ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN

PORTABLE BARRIER PLACEMENT

DURING THE PLACEMENT OF THE PORTABLE BARRIER, TRAFFIC WILL BE PROHIBITED FROM OCCUPYING THE TRAVEL LANE ADJACENT TO THE BARRIER. THE BARRIER WILL BE PLACED AT NIGHT PER THE WORK HOUR RESTRICTION NOTE AND IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE MAP. THE CLOSURE OF THE ADJACENT LANE WILL BE PER THE STANDARD DRAWING MT-95.30.

THE CONTRACTOR WILL SUBMIT A PLAN TO THE ENGINEER FOR APPROVAL SEVEN (7) DAYS IN ADVANCE OF THE PLANNED LANE CLOSURE. WORK WILL NOT BEGIN UNTIL APPROVAL OF THE PLANS HAS BEEN GRANTED.

ALL COSTS INVOLVED IN PLACING THE PORTABLE CONCRETE BARRIER WILL BE INCLUDED IN THE CONTRACT PRICE BID FOR THE PORTABLE BARRIER ITEM(S).

FULL DEPTH SAW CUTTING

DURING SOME OR ALL PHASES OF CONSTRUCTION, IT WILL BE NECESSARY TO PROTECT THE ADJACENT EXISTING, TEMPORARY OR PROPOSED PAVEMENT THAT WILL BE UTILIZED TO MAINTAIN TRAFFIC DURING PART-WIDTH CONSTRUCTION FOR PAVEMENT REPLACEMENT OPERATIONS. THE CONTRACTOR SHALL PERFORM FULL DEPTH SAW CUTTING AS A MEANS TO PROTECT THE PAVEMENT ADJACENT TO THE ACTIVE WORK ZONE. ANY DAMAGE TO THE ADJACENT PAVEMENT THAT WILL BE USED TO MAINTAIN TRAFFIC SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. FULL DEPTH SAW CUTTING IS ANNOTATED ON MOT TYPICAL SECTION SHEETS.

PAYMENT FOR ALL WORK ASSOCIATED WITH FULL DEPTH SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID FOR ITEM 614 - MAINTAINING TRAFFIC.

TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT

OHIO TIM IS OHIO'S TRAFFIC INCIDENT MANAGEMENT PROGRAM WHICH IS COMMITTED TO MAINTAINING THE SAFE AND EFFECTIVE FLOW OF TRAFFIC DURING EMERGENCIES AS TO PREVENT FURTHER DAMAGE, INJURY OR UNDUE DELAY OF THE MOTORING PUBLIC. IN ADDITION TO COMPLYING WITH THE PROVISION OF OMUTCD CHAPTER 6I, CONTROL OF TRAFFIC THROUGH TRAFFIC INCIDENT MANAGEMENT AREAS, THE CONTRACTOR SHALL ACTIVELY PARTICIPATE IN TIM PLANNING AND IMPLEMENTATION AS OUTLINED BELOW.

1. SUPERINTENDENT SHALL IDENTIFY THE INDIVIDUAL PERSONS ON THE PROJECT WHO WILL, OR MAY NEED TO, PERFORM THE DUTIES HEREIN. AT A MINIMUM, INCLUDE THE SUPERINTENDENT, FOREMEN AND SUPERVISORS (OR EQUIVALENT) AS WELL AS THE WORKSITE TRAFFIC SUPERVISOR (WTS; IF APPLICABLE TO THE PROJECT). THESE INDIVIDUALLY IDENTIFIED PERSONS SHALL COLLECTIVELY BE KNOWN AS CONTRACTOR TRAFFIC INCIDENT MANAGEMENT (TIM) CONTACTS. NOTIFY THE PROJECT ENGINEER OF THE CONTRACTOR TIM CONTACTS (ALONG WITH CONTACT INFORMATION FOR EACH) AT OR BEFORE THE PRECONSTRUCTION MEETING.

2. SUPERINTENDENT SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY CONTRACTOR TIM CONTACT IS ADDED, REMOVED OR THE CONTACT INFORMATION CHANGES OVER THE COURSE OF THE PROJECT.

3. PRIOR THE FIRST DAY OF WORK IN THE FIELD, EACH CONTRACTOR TIM CONTACT ON THE PROJECT SHALL HAVE ATTENDED AND SUCCESSFULLY COMPLETED OHIO TIM TRAINING PROVIDED BY THE DEPARTMENT OR DESIGNEE. TRAINING INFORMATION CAN BE FOUND ONLINE.

4. SUPERINTENDENT, AT A MINIMUM, SHALL ATTEND AND ACTIVELY PARTICIPATE IN A DEPARTMENT SCHEDULED TIM MEETING BEFORE CONSTRUCTION WORK BEGINS AND BEFORE EACH PHASE CHANGE. THESE MEETINGS WILL RESULT IN A DEPARTMENT ISSUED PROJECT SPECIFIC TRAFFIC INCIDENT MANAGEMENT PLAN (TIMP). AT THE TIM MEETINGS THE ATTENDING CONTRACTOR TIM CONTACTS SHALL:
   A. COLLABORATE WITH ODOT AND SAFETY FORCES;
   B. SHARE PROJECT SPECIFIC DETAILS THAT IMPACT TIM RESPONDERS; AND
   C. RECOMMEND WAYS TO INCORPORATE NECESSARY EMERGENCY ACCESS AND OTHER TIM ELEMENTS FOR TIM RESPONDERS GIVEN PROJECT SPECIFIC WORK BEING COMPLETED AND PROJECT SPECIFIC PHASING.

5. CONTRACTOR TIM CONTACTS SHALL IMPLEMENT COMPONENTS OF THE RESULTING TIMP (SUCH AS APPROVED EMERGENCY INGRESS/EGRESS POINTS, ETC), AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.

6. CONTRACTOR TIM CONTACTS SHALL PERFORM, AT A MINIMUM, THE FOLLOWING FUNCTIONS WHEN AN INCIDENT/CRASH OCCURS:
   A. IF OBSERVED OR PRESENT WHEN OCCURS, CALL 911 AND THEN NOTIFY THE TRAFFIC MANAGEMENT CENTER (TMC) TO PROVIDE THE FOLLOWING:
      I. LOCATION, INCLUDING MILEPOST NUMBER AND DIRECTION OF TRAVEL
      II. NUMBER AND TYPE OF VEHICLES INVOLVED, IF KNOWN
      III. ESTIMATED EXTENT OF DAMAGE OR INJURY, IF KNOWN
      IV. ESTIMATED NUMBER OF PATIENTS INVOLVED, IF KNOWN
      V. ANY POTENTIAL HAZARDOUS CONDITIONS, IF KNOWN
      VI. THE PLACARD NUMBER ON ANY HAZARDOUS MATERIALS PLACARD FROM A SAFE DISTANCE, IF APPLICABLE AND VISIBLE
   B. FOLLOWING AN INCIDENT/CRASH:
      I. INITIATE TRAFFIC MANAGEMENT/PROVIDE TEMPORARY TRAFFIC TRAFFIC CONTROL AS INDICATED IN THE TIMP, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
      II. RECOMMEND ROADWAY REPAIR NEEDS.
      III. PROVIDE REPAIR RESOURCES AND INITIATE REPAIRS, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
      IV. ATTEND AND PARTICIPATE IN AN AFTER ACTION REVIEW (AAR).

TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT (CONTINUED)

ALL COSTS, UNLESS OTHERWISE SPECIFIED, RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, MAINTAINING TRAFFIC. FAILURE TO PERFORM THE REQUIREMENTS OF THIS PLAN NOTE WILL RESULT IN A DAILY FINE OF 2% OF ITEM 614, MAINTAINING TRAFFIC AND MAY RESULT IN ONE OR MORE CONTRACTOR TIM CONTACTS BEING REMOVED FROM THE LIST OF OHIO TIM TRAINED INDIVIDUALS (AT THE SOLE DISCRETION OF THE OHIO TIM EXECUTIVE COMMITTEE). IN THE EVENT AN INDIVIDUAL IS REMOVED FROM THE OHIO TIM TRAINED LIST, THE INDIVIDUAL WILL BE REMOVED FROM CONTRACTOR TIM CONTACT RESPONSIBILITIES ON ALL PROJECTS.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE “CRIMPED.” PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ITEMS ARE QUANTIFIED IN THE SUBSUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (ONE-WAY)
ITEM 614, BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)
ITEM 614, OBJECT MARKER, ONE-WAY
ITEM 614, OBJECT MARKER, TWO-WAY
ITEM 614, INCREASED BARRIER DELINEATION

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.0099 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

CRITERIA:
ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,
AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE XXXX HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM

THIS WORK SHALL CONSIST OF FURNISHING, ERECTING, OPERATING, MAINTAINING AND REMOVING A WORK ZONE LIGHTING SYSTEM FOR A SINGLE CROSSOVER, OR OVERLAPPING A PAIR OF CROSSOVERS. THE SYSTEM SHALL BE AS SHOWN ON TRAFFIC SCD MT 100.00. THE CONTRACTOR SHALL ARRANGE FOR AND PAY FOR POWER. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH APPLICABLE PORTIONS OF 625 AND 725 EXCEPT: THE PERFORMANCE TEST OF 625.19F, AND CERTIFIED DRAWING REQUIREMENT OF 625.06, ARE WAIVED AND USED MATERIALS IN GOOD CONDITION ARE ACCEPTABLE.

POLES WHICH ARE NOT PROTECTED BY GUARDRAIL OR PORTABLE BARRIER SHALL BE LOCATED OUTSIDE THE CLEAR ZONE, AND SHOULD BE LOCATED AT LEAST 30 FEET (PREFERABLY 40 FEET) FROM THE EDGE OF PAVEMENT WHEN POSSIBLE. ADDITIONAL POLE LINES, CABLES AND APPURTENANCES NECESSARY TO FURNISH POWER TO THE LIGHTING SYSTEM SHALL BE INCLUDED IN THIS ITEM. SERVICE POLES SHALL BE POSITIONED WITH THE SAME CONSTRAINTS AS THE LIGHTING POLES AS A MINIMUM.

PAYMENT WILL BE MADE AT THE UNIT PRICE PER EACH FOR ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM THROUGHOUT ALL PHASES OF WORK WHEN THE CROSSOVER ROADWAYS ARE USED.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A PORTABLE CHANGEABLE MESSAGE SIGN, THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST O APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCE OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 4 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DE-ACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL IN ACTIVE CELLULAR PHONE AREAS ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT. THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN (CONTINUED)

ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24 HOURS PER DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
XXX SNMT (X CLASS A PCMS SIGNS FOR XX MONTHS)

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF XXX EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF XXX EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE CONTRACTOR IS REQUIRED TO SUBMIT WATER LOGS ON A WEEKLY BASIS IN addition TO OTHER CMS REQUIREMENTS FOR PAYMENT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER XXX M. GAL.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.00100 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT Notes 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:01 PM USER: brieder
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WORKSITE TRAFFIC SUPERVISOR

SUBJECT TO APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL EMPLOY AND IDENTIFY (SOMEONE OTHER THAN THE SUPERINTENDENT) A PREQUALIFIED WORKSITE TRAFFIC SUPERVISOR (WTS) BEFORE STARTING WORK IN THE FIELD. THE WTS SHALL BE TRAINED IN ACCORDANCE WITH CMS 614.03, SHALL HAVE SUCCESSFULLY COMPLETED ODOT ADMINISTERED WTS TESTING (AND RE-TESTING WHEN APPLICABLE) AND BE LISTED ON THE ODOT PREQUALIFIED WTS ROSTER. PREQUALIFICATION EXPIRES EVERY 5 YEARS. RE-TESTING SHALL BE SUCCESSFULLY REPEATED EVERY 5 YEARS TO REMAIN PREQUALIFIED.

THE NAME OF THE PREQUALIFIED WTS AND RELATED 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE. IF THE DESIGNATED WTS WILL NOT BE AVAILABLE FULL TIME (24/7), THE CON-RACTOR MAY DESIGNATE AN ALTERNATE (SECONDARY) WTS TO BE AVAILABLE WHEN THE PRIMARY IS OFF DUTY; HOWEVER THE PRIMARY WTS SHALL REMAIN THE POINT OF CONTACT AT ALL TIMES. ANY ALTERNATE (SECONDARY) WTS IS SUBJECT TO THE SAME TRAINING, PREQUALIFICATION AND OTHER REQUIREMENTS OUTLINED WITHIN THIS PLAN NOTE. AT ALL TIMES THE ENGINEER, OR ENGINEER'S REPRESENTATIVES, MUST BE INFORMED OF WHO THE PRIMARY WTS (AND SECONDARY WTS, IF APPLICABLE) IS AT THE CURRENT TIME.

THE WTS POSITION HAS THE PRIMARY RESPONSIBILITY OF IMPLEMENTING THE TRAFFIC MANAGEMENT PLAN (TMP), MONITORING THE SAFETY AND MOBILITY OF THE ENTIRE WORK ZONE, AND CORRECTING TEMPORARY TRAFFIC CONTROL (TTC) DEFICIENCIES FOR THE ENTIRE WORK ZONE. THE WTS, AND ALTERNATE WTS WHEN ON DUTY, SHALL HAVE SUFFICIENT AUTHORITY TO EFFECTIVELY CARRY OUT THE IDENTIFIED WTS RESPONSIBILITIES AND DUTIES. THE DUTIES OF THE WTS ARE AS FOLLOWS:

1. BE AVAILABLE ON A 24-HOUR PER DAY BASIS.
2. BE ON SITE FOR ALL EMERGENCY TTC NEEDS WITHIN ONE HOUR OF NOTIFICATION BY POLICE OR PROJECT STAFF, AND EFFECT CORRECTIVE MEASURES IMMEDIATELY ON EXISTING WORK ZONE TTC DEVICES.
3. ATTEND PRECONSTRUCTION MEETING AND ALL PROJECT MEETINGS WHERE TTC MANAGEMENT IS DISCUSSED.
4. BE AVAILABLE ON SITE FOR OTHER MEETINGS OR DISCUSSIONS WITH THE ENGINEER UPON REQUEST.
5. BE AWARE OF ALL EXISTING AND PROPOSED TTC OPERATIONS OF THE CONTRACTOR, SUBCONTRACTORS AND SUPPLIERS, AND ENSURE COORDINATION OCCURS BETWEEN THEM TO ELIMINATE CONFLICTING TEMPORARY AND/OR PERMANENT TRAFFIC CONTROL.
6. COORDINATE PROJECT ACTIVITIES WITH ALL LAW ENFORCEMENT OFFICERS (LEOS). THE WTS SHALL ALSO BE THE MAIN CONTACT PERSON WITH THE LEOS WHILE LEOS ARE ON THE PROJECT.
7. COORDINATE AND FACILITATE MEETINGS WITH ODOT PERSONNEL, LEOS AND OTHER APPLICABLE ENTITIES BEFORE EACH PLAN PHASE SWITCH TO DISCUSS THE WORK ZONE TTC FOR IMPLEMENTING THE PHASE SWITCH. SUBMIT A WRITTEN DETAIL OF MOT OPERATIONS AND SCHEDULE OF EVENTS TO IMPLEMENT THE SWITCH BETWEEN PHASE PLANS TO THE ENGINEER 5 CALENDAR DAYS PRIOR TO THIS MEETING.

WORKSITE TRAFFIC SUPERVISOR (CONTINUED)

8. BE PRESENT, ON SITE FOR, AND INVOLVED WITH, EACH TTC SET UP/TAKE DOWN AND EACH PHASE CHANGE IN ACCORDANCE WITH CMS 614.03.
9. ON A CONTINUAL BASIS ENSURE THAT THE TTC ZONE AND ALL RELATED DEVICES ARE INSTALLED, MAINTAINED AND REMOVED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
10. ON A CONTINUAL BASIS FACILITATE CORRECTIVE ACTION(S) NECESSARY TO BRING DEFICIENT TTC ZONES AND ALL RELATED DEVICES INTO COMPLIANCE WITH CONTRACT DOCUMENTS IN THE TIMEFRAME DETERMINED BY THE ENGINEER.
11. INSPECT, EVALUATE, PROPOSE NECESSARY MODIFICATIONS TO, AND DOCUMENT THE EFFECTIVENESS OF, THE TTC DEVICES AND TRAFFIC OPERATIONS ON A DAILY BASIS (7 DAYS A WEEK). IN ADDITION, PERFORM ONE WEEKLY NIGHT INSPECTION OF THE WORK ZONE SETUP FOR DAYTIME WORK OPERATIONS; AND ONE DAYTIME INSPECTION PER WEEK FOR NIGHTTIME PROJECTS. THIS SHALL INCLUDE (BUT NOT BE LIMITED TO) DOCUMENTATION ON THE FOLLOWING PROJECT EVENTS:
    A. INITIAL TTC SETUP (DAY AND NIGHT REVIEW).
    B. DAILY TTC SETUP AND REMOVAL.
    C. WHEN CONSTRUCTION STAGING CAUSES A CHANGE IN THE TTC SETUP.
    D. CRASH OCCURRENCES WITHIN THE CONSTRUCTION AREA AND WITHIN THE INFLUENCE AREA(S) APPROACHING THE WORK ZONE.
    E. REMOVAL OF TTC DEVICES AT THE END OF A PHASE OR PROJECT.
    F. ALL OTHER EMERGENCY TTC NEEDS.
12. COMPLETE THE DEPARTMENT APPROVED LONG TERM INSPECTION FORM (CA-D-8) AFTER EACH INSPECTION AS REQUIRED IN # 11 AND SUBMIT IT TO THE ENGINEER THE FOLLOWING WORKDAY. THESE REPORTS SHALL INCLUDE A CHECKLIST OF ALL TTC MAINTENANCE ITEMS TO BE REVIEWED. A COPY OF THE FORM WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING. ANY DEFICIENCIES OBSERVED SHALL BE NOTED, ALONG WITH RECOMMENDED OR COMPLETED CORRECTIVE ACTIONS AND THE DATES BY WHICH SUCH CORRECTIONS WERE, OR WILL BE, COMPLETED. A COPY OF THE CURRENT CA-D-8 DOCUMENT CAN BE FOUND ON THE OFFICE OF CONSTRUCTION ADMINISTRATION'S INSPECTION FORMS WEBSITE.
13. HAVE COPIES OF THE ODOT TEMPORARY TRAFFIC CONTROL MANUAL AND CONTRACT DOCUMENTS AVAILABLE AT ALL TIMES ON THE PROJECT.

THE DEPARTMENT WILL DEDUCT:

A. THE PRORATED DAILY AMOUNT OF ITEM 614 MAINTAINING TRAFFIC FOR ANY DAY IN WHICH THE WTS FAILS TO PERFORM THE DUTIES SET FORTH ABOVE. THE PRORATED DAILY AMOUNT WILL BE EQUAL TO THE ORIGINAL BID AMOUNT FOR ITEM 614 MAINTAINING TRAFFIC DIVIDED BY THE DIFFERENCE BETWEEN THE ORIGINAL COMPLETION DATE AND THE FIRST DAY OF WORK, IN CALENDAR DAYS.

B. 1% OF THE ORIGINAL BID AMOUNT FOR ITEM 614 MAINTAINING TRAFFIC FOR ANY DAY THAT A TTC ISSUE IS IDENTIFIED IN THE FIELD AND IS NOT CORRECTED IN THE GIVEN TIMEFRAME PER THE ENGINEER. DEDUCTION B SHALL NOT APPLY TO SITUATIONS COVERED BY DEDUCTION C.

WORKSITE TRAFFIC SUPERVISOR (CONTINUED)

C. 1% OF THE ORIGINAL BID AMOUNT FOR ITEM 614 MAINTAINING TRAFFIC FOR ANY DAY THAT A LANE OR RAMP IS BLOCKED (FULLY OR PARTIALLY) WITHOUT TTC, AS DETERMINED BY THE ENGINEER. THIS DEDUCTION SHALL BE IN ADDITION TO ANY OTHER DISINCENTIVES ESTABLISHED FOR UNAUTHORIZED LANE USE.

FOR DAYS IN WHICH MORE THAN ONE DEDUCTION LISTED ABOVE OCCUR, THE HIGHEST DEDUCTION AMOUNT WILL APPLY.

IF THREE OR MORE TOTAL DAYS RESULT IN TTC ISSUES DESCRIBED IN DEDUCTION B OR C ABOVE, THE PRIMARY WTS SHALL BE IMMEDIATELY REMOVED FROM THE WORK IN ACCORDANCE WITH C&MS 108.05. UPON REMOVAL THE ENGINEER SHALL NOTIFY ODOT CENTRAL OFFICE (WTSPREQUALIFICATION@DOT.OHIO.GOV) TO REGISTER A REMOVAL AGAINST THE STATEWIDE PREQUALIFICATION FOR THE PRIMARY WTS. THREE REMOVALS SHALL CAUSE STATEWIDE DISQUALIFICATION FOR ANY PREVIOUSLY PREQUALIFIED WTS. A WTS (AND ALTERNATE WTS, IF APPLICABLE) MAY BE IMMEDIATELY AND CONCURRENTLY REMOVED FROM THE WORK AT THE PROJECT LEVEL IN ACCORDANCE WITH C&MS 108.05 AND DISQUALIFIED STATEWIDE FROM THE ODOT PREQUALIFIED WTS ROSTER (REGARDLESS OF THE NUMBER OF PROJECT LEVEL REMOVALS), AS WELL AS BEING SUBJECT TO OTHER POTENTIAL CONSEQUENCES, IN CASES OF FALSIFIED, DISHONEST OR OTHERWISE UNETHICAL ACTIVITY OR DOCUMENTATION.

PAYMENT FOR THE ABOVE REQUIREMENTS, RESPONSIBILITIES AND DUTIES SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM SPECIAL, WORK ZONE TRAFFIC SIGNAL

PROVIDE A WORK ZONE TRAFFIC SIGNAL AT THE INTERSECTIONS OF PALMER ROAD AS SHOWN ON THE PLANS. THE SIGNAL SHALL BE OPERATIONAL AT THE BEGINNING OF THE WORK AND SHALL REMAIN IN OPERATION UNTIL THE PROPOSED ROADWAY IS OPEN TO TWO LANE TRAFFIC AT WHICH TIME THE WORK ZONE TRAFFIC SIGNAL SHALL BE REMOVED. REMOVAL OF THE TRAFFIC SIGNAL SHALL BE INCIDENTAL TO THIS PAY ITEM.

ALL WORK ZONE TRAFFIC SIGNAL ITEMS SHALL BE AS PER SCD MT-96.11, MT-96.20, AND MT-96.26 AND CMS 632, 633, AND 733.02. PROVIDE A CONTROLLER CAPABLE OF OPERATING A FULLY ACTUATED TRAFFIC SIGNAL WITH THE TIMING AND PHASING SHOWN IN THE PLANS INCLUDING THE CAPABLILITES OF UTILIZING A RADAR DETECTION SYSTEM. IT SHALL INCLUDE OBTAINING A POWER SUPPLY FOR THE TRAFFIC SIGNAL.

PAYMENT SHALL BE MADE AT THE CONTRACT PRICE BIDE PER EACH ITEM SPECIAL, WORK ZONE TRAFFIC SIGNAL AND INCLUDE ALL EQUIPMENT, MATERIALS, LABOR, INCIDENTIALS, AND PROGRAMMING NECESSARY FOR THE DESIGN, FURNISHING, INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF THE WORK ZONE TRAFFIC SIGNAL.

AN ESTIMATED QUANTITY OF XXX EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

LONGITUDINAL AND TRANSVERSE BUT JOINTS DURING CONSTRUCTION

LONGITUDINAL BUTT JOINTS ARE REQUIRED ALONG AREAS WHERE TRAFFIC WILL CROSS FROM PAVEMENT SURFACES OF DIFFERENT ELEVATIONS. TRANSVERSE BUTT JOINTS AT BRIDGES AND AT THE RESURFACING LIMITS SHALL NOT BE LEFT OPEN TO TRAFFIC. BEFORE OPENING TO TRAFFIC A TEMPORARY ASPHALT CONCRETE WEDGE OF SUFFICIENT LENGTH SHALL BE CONSTRUCTED AT THE LONGITUDINAL OR TRANSVERSE BUTT JOINT. ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC IS TO BE USED FOR THE WEDGE CONSTRUCTION. IT SHALL BE PLACED WHILE TRAFFIC IS PROHIBITED. BEFORE THE NEW PAVEMENT IS PLACED, THE WEDGE SHALL BE REMOVED PRIOR TO PLACING THE SURFACE COURSE AND THE COSTS SHALL BE CONSIDERED INCIDENTAL TO ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

LONGITUDINAL BUTT JOINT WEDGE SHALL UTILIZE A TAPER RATE OF 1" PER 3' OR FLATTER. TRANSVERSE BUTT JOINT WEDGE SHALL BE AT A RATE OF 1" PER 4' (RAMPS) OR 1" PER 10' (MAINLINE). AT LOCATIONS WHERE THE FINAL PAVING WILL NOT OCCUR FOR MORE THAN ONE WEEK, THE TRANSITION RATE SHALL BE 1" PER 35'.

PAYMENT FOR ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

FOR TRANSVERSE BUT JOINTS, "BUMP" (W8-11) AND "ADVISORY SPEED" (W13-1) SIGNS AND SUPPORTS SHALL BE ERECTED AND MAINTAINED AT THE BUTT JOINT UNTIL THE SURFACE COURSE IS COMPLETED. THE COSTS OF PROVIDING, ERECTING, MAINTAINING AND SUBSEQUENTLY REMOVING THESE SIGNS AND SUPPORTS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM 618, RUMBLE STRIPS (ASPHALT CONCRETE), AS PER PLAN

THE CONTRACTOR SHALL MILL 2 INCHES DEEP BY 2 FEET WIDE OF EXISTING ASPHALT SHOULDER IN ORDER TO REMOVE THE EXISTING RUMBLE STRIPS ALONG IR 70 IN THE AREA WHERE TRAFFIC IS SHIFTED ONTO THE SHOULER. THE CONTRACTOR SHALL THEN COAT ALL MILLED HORIZONTAL AND VERTICAL SURFACES WITH AN APPROVED AC LIQUID. THE CONTRACTOR SHALL THEN PLACE 2 INCHES OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 PG64-28 IN THE MILLED AREA. IMMEDIATELY FOLLOWING COMPLETION OF MOT OPERATIONS AND RESTORING THE TRAFFIC TO ITS ORIGINAL POSITION, NEW RUMBLE STRIPS PER CMS 618 SHALL BE INSTALLED AT THE LOCATION WHERE THE EXISTING RUMBLE STRIPS WERE REMOVED. ALL COSTS ASSOCIATED WITH THE MILLING OF THE EXISTING PAVEMENT, PLACEMENT OF THE SURFACE COURSE, AND INSTALLATION OF THE RUMBLE STRIPS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT OF ITEM 618, RUMBLE STRIPS (ASPHALT CONCRETE), AS PER PLAN.

AN ESTIMATED QUANTITY OF XXXX FEET HAS BEEN CARRIED TO THE GENERAL SUMMARY.

LOCAL ACCESS

INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL RESIDENTIAL AND COMMERCIAL PROPERTIES AT ALL TIMES UNLESS SHOWN OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNERS, RESIDENTS, OR BUSINESS OPERATORS IN WRITING AT LEAST 48 HOURS BUT NOT MORE THAN 72 HOURS PRIOR TO CLOSURE. THE ENGINEER SHALL BE PROVIDED A LIST OF PERSONS/COMPANIES THAT WERE GIVEN NOTICES WITH THE DATE OF THE NOTICE INCLUDED. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE US MAIL OR ANY DELIVERIES WITHIN THE PROJECT LIMITS ARE NOT DISRUPTED BY THE CONSTRUCTION OPERATIONS.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.00101 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT Notes 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:02 PM USER: brteder
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WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)
R11-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUT-DOWNS.

THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-1) SIGN AND THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.

THE R11-H5A-48 SIGNS SHALL BE MOUNTED ON 2 NO. 3 POSTS WHEN LOCATED WITHIN CLEAR ZONES.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

ITEM 614, WORK ZONE INCREASED PENALTIES SIGN XXX EACH

ADVANCED NOTICE TO PAVE
THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

ASPHALT PAVING LIMITATION
THE CONTRACTOR SHALL NOT ANTICIPATE OR SCHEDULE PLACING ASPHALT (ASPHALT SURFACE COURSE, ASPHALT INTERMEDIATE COURSE, ASPHALT CONCRETE BASE COURSE, ETC.) BETWEEN NOVEMBER 1ST AND APRIL 1ST WHEN SUBMITTING THEIR INITIAL BAR CHART PROGRESS SCHEDULE TO THE DISTRICT CONSTRUCTION ENGINEER (DCE) AS SPECIFIED IN CMS SECTION 108.02A. THIS LIMITATION SHALL ALSO INCLUDE INITIAL BASE LINE SCHEDULES AND ALL UPDATES IN A CPM SCHEDULE IS REQUIRED.

WORK ZONE SPEED ZONES (WZSZS)
THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NO.	COUNTY-ROUTE-SECTION	DIRECTION
WZ-XXXXX	FAI/LIC-70-0.00/0.00	WB
WZ-XXXXX	FAI/LIC-70-0.00/0.00	EB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

WORK ZONE SPEED ZONES (WZSZS) (CONTINUED)

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

	WITH POSITIVE PROTECTION		WITHOUT POSITIVE PROTECTION	
ORIGINAL POSTED SPEED LIMIT	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
XXX SIGN MONTHS

ITEM 615, ROADS FOR MAINTAINING TRAFFIC
THIS WORK CONSISTS OF PROVIDING, MAINTAINING, AND SUBSEQUENTLY REMOVING ROADS AND APPURTENANCES AND PAVEMENTS FOR MAINTAINING TRAFFIC.

ADDITIONAL EXCAVATION AND EMBANKMENT IS REQUIRED BEYOND THE PHYSICAL LIMITS OF PROPOSED SHOULDER WIDTHS AT RAMP GORES, AT TAPERS AND CROSS OVER LOCATIONS. REQUIRED ADDITIONAL EARTHWORK IN THESE AREAS WILL BE PAID FOR UNDER THE LUMP SUM AMOUNT FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC.

REMOVE ALL PAVEMENT FOR MAINTAINING TRAFFIC IN ACCORDANCE WITH THE PROVISIONS OF ITEM 615 UNLESS OTHERWISE SPECIFIED IN THE PLANS.

PAYMENT FOR ABOVE REQUIREMENTS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC.

EXISTING GUIDE SIGNS (OVERHEAD AND GROUND MOUNTED)
THE CONTRACTOR SHALL MAINTAIN EXISTING GUIDE SIGNS THOUGHOUT EACH PHASE OF CONSTRUCTION AS APPLICABLE. EXISTING OVERHEAD GUIDE SIGNS MAY BE REMOVED AND RE-ERECTED ON GROUND MOUNTS/POSTS. EXISTING GROUND MOUNTED GUIDE SIGNS MAY ALSO BE MOVED AND RE-ERECTED AS NECESSARY AND AS APPROVED BY THE ENGINEER.

TEMPORARY SIGN OVERLAYS NOT OTHERWISE DETAILED IN THE PLANS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

WHERE AN EXISTING GUIDE SIGN CANNOT BE USED OR RE-USED, THEN AN APPROPRIATE TEMPORARY REPLACEMENT SHALL BE CONSTRUCTED IN ACCORANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

UNLESS SEPARATELY ITEMIZED IN THE PLANS, ALL LABOR, EQUIPMENT, MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

PLACEMENT OF ASPHALT CONCRETE
TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN
IN ADDITION TO THE REQUIREMENTS OF 615:

UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE THE PAVEMENT FOR MAINTAINING TRAFFIC INCLUDING ANY TEMPORARY DRAINAGE FACILITIES. THE AFFECTED EXISTING EARTH MEDIAN AND PAVED SHOULDERS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER AND AS PER 615.08.

PAVEMENT FOR MAINTAINING TRAFFIC SHALL NOT BE OPENED TO TRAFFIC UNTIL ALL WORK ZONE TRAFFIC CONTROL DEVICES, SIGNS, PAVEMENT MARKINGS AND PORTABLE CONCRETE BARRIERS HAVE BEEN ERECTED AND APPROVED BY THE ENGINEER.

AT LOCATIONS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL UNDERCUT THE EXISTING SOIL AND REPLACE WITH GRANULAR MATERIAL AND PLACE SUITABLE THICKNESS OF AGGREGATE BASE AS DETERMINED BY THE ENGINEER PRIOR TO THE PLACMENT OF PAVMEENT FOR MAINTAINING TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED IN CONSTRUCTING THE PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN.

ITEM 204, GRANULAR MATERIAL, TYPE B
ITEM 204, EXCAVATION OF SUBGRADE
ITEM 204, GEOTEXTILE FABRIC
ITEM 304, AGGREGATE BASE
ITEM 615, ROADS FOR MAINTAINING TRAFFIC, LUMP SUM
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN, (QUANTIFIED IN SUBSUMMARY)

ALTHOUGH ESTIMATES FOR TEMPORARY EXCAVATION, EMBANKMENT AND TEMPORARY DRAINAGE FACILITIES MAY BE SHOWN ON THE PLAN DETAILS, THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO, AND INCLUDED WITH PAYMENT FOR ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AS PER PLAN.

PAVEMENT MARKINGS FOR POST-MOT ROADWAY CONDITION
THE FOLLOWING PAVEMENT MARKING QUANTITIES ARE PROVIDED FOR USE BY THE CONTRACTOR IN PLACING PAVEMENT MARKINGS IN THE FINAL LAYOUT CONDITION THROUGHOUT THE PROJECT AS DIRECTED BY THE ENGINEER. FOR PLACEMENT OF THESE PAVEMENT MARKINGS, REFER TO THE TRAFFIC CONTROL PLANS. NOT ALL MARKINGS SHOWN ON THE TRAFFIC CONTROL PLANS ARE INTENDED TO BE INSTALLED AT THIS TIME.

THE FOLLOWING CLASS I PAVEMENT MARKINGS ARE INTENDED TO BE USED ON THE INTERMEDIATE COURSE OF PAVEMENT:

WORK ZONE LANE LINE, CLASS I, 6"	XX MILE
WORK ZONE EDGE LINE, CLASS I, 6"	XX MILE
WORK ZONE CHANNELIZING LINE, CLASS I, 12"	XX FT
WORK ZONE DOTTED LINE, CLASS I	XX FT
WORK ZONE STOP LINE, CLASS I	XX FT

THE FOLLOWING CLASS III PAVEMENT MARKINGS ARE INTENDED TO BE USED ON THE SURFACE COURSE OF PAVEMENT:

WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	XX MILE
WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	XX MILE
WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	XX FT
WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	XX FT
WORK ZONE STOP LINE, CLASS III, 642 PAINT	XX FT

THESE ITEMS AND QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.00102 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL/FLASHER INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

1. EXISTING SIGNAL/FLASHER INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS OPERATIONS FIRST DISTURB THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED AND THE WORK IS ACCEPTED.

2. NEW OR REUSED SIGNAL/FLASHER INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR SHALL CORRECT AS QUICKLY AS POSSIBLE ALL OUTAGES OR MALFUNCTIONS. HE SHALL PROVIDE THE MAINTAINING AGENCY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR SHALL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, CABLE OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS AND MISALIGNED SIGNAL HEADS SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK TO SERVICE WITHIN FOUR HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE. THE CONTRACTOR SHALL ARRANGE FOR FULL TRAFFIC CONTROL UNTIL THE SIGNAL IS BACK IN OPERATION.

IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR SHALL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND SHALL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE SHALL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION THEN THE ALLOTTED TIME LIMIT SHALL BE FOR THE WORST SINGLE OUTAGE.

WHERE OUTAGES ARE THE DIRECT RESULT OF A VEHICLE ACCIDENT THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION OF ANY COMPENSATION FOR THIS WORK FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE.

WHERE THE CONTRACTOR HAS FAILED TO, OR CANNOT RESPOND TO, AN OUTAGE OR SIGNAL EQUIPMENT MALFUNCTION, AT THESE LOCATIONS WITHIN HIS RESPONSIBILITY, WITHIN PERIODS AS SPECIFIED ABOVE, THE ENGINEER MAY INVOKE THE PROVISIONS OF SECTION 105.15 AND ANY SUBSEQUENT BILLINGS TO THE STATE FOR POLICE SERVICES AND MAINTENANCE SERVICES SHALL BE DEDUCTED FROM MONIES DUE OR TO BECOME DUE THE CONTRACTOR IN ACCORDANCE WITH PROVISIONS OF SECTION 105.15.

MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION (CONTINUED)

THE CONTRACTOR SHALL PROVIDE THE MAINTENANCE SERVICE ENTIRELY WITH HIS FORCES OR HE MAY CHOOSE TO ENTER INTO A COOPERATIVE UNDERSTANDING WITH THE LOCAL MAINTAINING AGENCY TO PROVIDE THE MAINTENANCE. THE CONTRACTOR SHALL INFORM THE ENGINEER, IN WRITING, OF THE MAINTENANCE METHOD SELECTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY TRAFFIC SIGNAL COMPONENTS REQUIRED TO BE HANDLED DURING THE RELOCATION OF POLES AND REVISIONS TO THE SIGNAL SYSTEM. WHEN A TRAFFIC SIGNAL MUST BE TAKEN OUT OF SERVICE BY THE CONTRACTOR, DUE TO CONSTRUCTION PROCEDURES, THIS OUTAGE SHALL NOT EXCEED 4 HOURS AND SHALL NOT INCLUDE THE HOURS OF 6 AM TO 9 AM AND 3 PM TO 6 PM. ANY SIGNALIZED INTERSECTION, WHERE THE SIGNAL IS OUT OF SERVICE DUE TO CONSTRUCTION PROCEDURES, OR DUE TO AN OUTAGE OR MALFUNCTION OF EQUIPMENT AS DESCRIBED ABOVE, SHALL BE PROTECTED, BY THE CONTRACTOR, BY THE INSTALLATION OF TEMPORARY "STOP" SIGNS, EXCEPT FOR THE FOLLOWING INTERSECTIONS WHICH SHALL BE PROTECTED BY OFF-DUTY POLICE, HIRED BY THE CONTRACTOR:

1. SR 256 AND SR 204
2. SR 256 AND IR 70 EASTBOUND EXIT
3. SR 256 AND IR 70 WESTBOUND EXIT
4. SR 256 AND TAYLOR ROAD SW & EXT
5. TAYLOR ROAD AND SR 204
6. TAYLOR ROAD AND IR 70 EASTBOUND EXIT
7. TAYLOR ROAD AND IR 70 WESTBOUND EXIT
8. TAYLOR ROAD AND TAYLOR ROAD SW & EXT
9. SR 204 AND FREEDOM WAY

ANY VEHICULAR TRAFFIC SIGNAL HEAD, EITHER NEW OR EXISTING WHICH WILL BE OUT OF OPERATION SHALL BE COVERED IN THE MANNER DESCRIBED IN 632.25.

THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS OF MALFUNCTIONS INCLUDING:

1. TIME OF NOTIFICATION OF MALFUNCTION;
2. TIME OF WORK CREWS ARRIVAL TO CORRECT THE MALFUNCTION;
3. ACTIONS TAKEN TO CORRECT THE MALFUNCTION, INCLUDING A LIST OF PARTS REPAIRED OR REPLACED;
4. A DIAGNOSIS OF REASON FOR THE MALFUNCTION AND PROBABILITY OF REOCCURRENCE;
5. TIME OF COMPLETION OF THE REPAIR AND SYSTEM RESTORED TO FULL SERVICE.

A COPY OF THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER WITHIN THREE (3) WORKING DAYS FOLLOWING COMPLETION OF EACH REPAIR.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE.

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

(FOR EXAMPLE: IF THE SALE DATE FOR THE PROJECT WAS MARCH OF 2021, THE MONTHLY PUBLISHED SCHEDULES FOR EACH APPLICABLE PLCS SEGMENT WOULD BE DECEMBER 2019 TO NOVEMBER 2020. IF THIS WAS A THREE-YEAR PROJECT, YEAR THREE WOULD STILL BE USING THE DECEMBER 2019 TO NOVEMBER 2020 MONTHLY SCHEDULES. IF THE PROJECT DESIRED TO CLOSE TWO LANES IN JUNE 2021, REFERENCE WOULD BE MADE TO THE JUNE 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S). IF THE SAME TWO LANES WERE DESIRED TO BE CLOSED AGAIN IN JULY 2021, REFERENCE WOULD BE MADE TO THE JULY 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S).)

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY.

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

ITEM 614, LONGITUDINAL CHANNELIZER

LONGITUDINAL CHANNELIZERS SHALL BE PROVIDED AS CALLED FOR IN THE PLANS. A LONGITUDINAL CHANNELIZER CONSISTS OF A COMBINATION OF VERTICAL COMPONENTS AND LONGITUDINAL BASE COMPONENTS, FIT TOGETHER TO CREATE A CONTINUOUS CHANNELIZING DEVICE, AS DETAILED IN TRAFFIC PIS 2010180. USE OF TUBULAR MARKERS, AS IDENTIFIED IN THE OMUTCD, FIGURE 6F-7, SHALL NOT QUALIFY FOR USE AS A LONGITUDINAL CHANNELIZER.

THE VERTICAL COMPONENT SHALL BE EQUIPPED WITH TWO 3-INCH WIDE RETROREFLECTIVE BANDS, PLACED A MAXIMUM OF 2 INCHES FROM THE TOP, WITH A MAXIMUM OF 6 INCHES BETWEEN THE BANDS. THE LONGITUDINAL BASE COMPONENTS SHALL BE EQUIPPED WITH REFLECTORS.

LONGITUDINAL CHANNELIZERS SHALL COMPLY WITH THE REQUIREMENTS CONTAINED WITHIN TRAFFIC PIS 2010180.

FURNISH LONGITUDINAL CHANNELIZERS FROM THE APPROVED LIST FOUND ON THE OFFICE OF MATERIALS MANAGEMENT WEBSITE. FOR INSTALLATION PROCEDURES, FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

LONGITUDINAL CHANNELIZERS SHALL BE MONITORED TO DETERMINE WHETHER THERE IS SIGNIFICANT DAMAGE FROM ERRANT VEHICLES.

PAYMENT FOR PROVIDING, INSTALLING, MAINTAINING AND REMOVING LONGITUDINAL CHANNELIZERS WILL BE MADE AT THE UNIT PRICE PER FOOT AND QUANTITIES WILL BE SUMMARIZED IN THE SUBSUMMARY.

MAINTAINING TRAFFIC (TIME LIMITATION ON A DETOUR)

A MINIMUM OF ONE LANE OF TRAFFIC ALONG PROJECT RAMPS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR PERIODS NOT TO EXCEED LISTED DURATION (CONSECUTIVE CALENDAR DAYS), WHEN AFFECTED RAMP TRAFFIC MAY BE DETOURED AS SHOWN ON THE FOLLOWING DETOUR SHEETS:

IR-70 EB EXIT TO SR 256 NB - XX DAYS
IR-70 EB ENTRANCE FROM SR 256 - XX DAYS
IR-70 WB ENTRANCE TO SR 256 - XX DAYS
NB SR 256 LEFT TURN LANE TO IR-70 WB ENTRNACE - XX DAYS
IR-70 EB EXIT TO TAYLOR ROAD - XX DAYS

A DISINCENTIVE SHALL BE ASSESSED IN ACCORDANCE WITH THE LANE VALUE CONTRACT TABLE PER DAY FOR EACH DAY A RAMP REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

LANE VALUE CONTRACT

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED BELOW. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLAN.

DESCRIPTION OF CRITICAL LANE TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE $ PER TIME UNIT
XX	AS PER THE PERMITTED LANE CLOSURE SCHEDULE	MINUTE	$XX
XX	AS PER THE PERMITTED LANE CLOSURE SCHEDULE	MINUTE	$XX
XX	AS PER THE PERMITTED LANE CLOSURE SCHEDULE	MINUTE	$XX
XX	AS PER THE PERMITTED LANE CLOSURE SCHEDULE	MINUTE	$XX
XX	AS PER THE PERMITTED LANE CLOSURE SCHEDULE	MINUTE	$XX

ITEM 614, DETOUR SIGNING

THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND REMOVE ALL DETOUR SIGNING. DETOUR SIGNS SHALL BE ERECTED AND/OR UNCOVERED PRIOR TO THE ROAD AND RAMP BEING CLOSED TO TRAFFIC BUT NO EARLIER THAN FOUR HOURS PRIOR TO THE CLOSURE. DETOUR SIGNS SHALL BE COVERED AND/OR REMOVED NO LATER THAN FOUR HOURS FOLLOWING THE ROAD OR RAMP RE-OPENING TO TRAFFIC.

SIZE AND PLACEMENT OF DETOUR SIGNS SHOULD FOLLOW THE REQUIREMENTS OF THE OMUTCD SECTION 6F.03, SECTION 2A.11 AND TABLE 6F.01. DETOUR SIGNS SHALL NOT OBSCURE OR BE OBSCURED BY OTHER EXISTING OR TEMPORARY SIGNS.

PAYMENT FOR ALL MATERIALS, LABOR, INCIDENTALS, AND EQUIPMENT TO IMPLEMENT THE DETOUR SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

ITEM 614, DETOUR SIGNING (LUMP SUM) HAS BEEN CARRIED TO THE GENERAL SUMMARY.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER CJM
REVIEWER DRJ 04-15-25
PROJECT ID 96808
SHEET P.00103 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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SEQUENCE OF CONSTRUCTION

THE CONTRACTOR SHALL HAVE THE ABILITY TO PERFORM ANY WORK CONCURRENTLY THAT WILL NOT AFFECT THE MAINLINE OR MAINLINE RAMPS AT ANY TIME UNLESS OTHERWISE STATED IN THE NOTES.

ALL RAMPS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.

THREE LANES ON IR 70 IN EACH DIRECTION SHALL BE MAINTAINED WEST OF SR 256 AND TWO LANES IN EACH DIRECTION SHALL BE MAINTAINED EAST OF SR 256 UNLESS OTHERWISED NOTED.

PHASE 1

PHASE 1 CONSTRUCTION CONSISTS OF THE OFFLINE WORK ASSOCIATED WITH THE PROPOSED INTERCHANGE AT TAYLOR RD. THIS INCLUDES THE CONSTRUCTION OF THE MAJORITY OF THE CD ROAD BETWEEN THE SR 256 INTERCHANGE AND THE PROPOSED TAYLOR ROAD INTERCHANGE. THE WORK ALSO INCLUDES THE INSIDE WIDENING OF THE EASTBOUND IR 70 BRIDGE OVER PALMER ROAD, PALMER ROAD LOWERING AND IMPROVEMENTS, THE RECONSTRUCTION OF THE TRAFFIC SIGNALS AT THE SR 256 RAMP INTERSECTIONS AND THE TAYLOR ROAD AND SR 204 INTERSECTION IMPROVEMENTS.

TEMPORARY PAVEMENT SHALL BE PLACED AT THE END OF THE CD ROAD AND ON THE WESTBOUND SR 256 RAMP B FOR USE IN PHASE 2. A SHOULDER CLOSURE SHALL BE USED TO COMPLETE THIS WORK.

THE WORK ZONE WILL BEGIN JUST EAST OF THE SR 256 INTERCHANGE. TWO 11' LANES WILL BE MAINTAINED IN EACH DIRECTION IR 70 WITH AN EASTBOUND AUXILLARY LANE. THE OUTSIDE SHOULDER WILL BE CLOSED FOR CONSTRUCTION IN BOTH DIRECTIONS. RAMP G TO TAYLOR ROAD SHALL BE CONSTRUCTED PART-WIDTH (TO MAINTAIN ACCESS) OR LIMITED TO A WEEKEND CLOSURE FOR THE TRANSITION TO THE NEW TAYLOR ROAD INTERCHANGE. DETOUR SHALL FOLLOW THE PHASE 4 DETOUR FOR THIS RAMP.

A SINGLE LANE CROSSOVER WILL BE USED OVER PALMER ROAD TO MAINTAIN TWO LANES FOR IR 70 EASTBOUND DURING THE PALMER ROAD BRIDGE CONSTRUCTION. THE EASTBOUND CROSSOVER LANE OVER THE WESTBOUND BRIDGE AT PALMER ROAD IS REDUCED TO 10.5' WITH 1' BARRIER OFFSETS TO ACCOMMODATE THE CROSSOVER. A 1' BARRIER OFFSET FOR THE INSIDE WESTBOUND LANE WILL ALSO BE USED FOR THE CROSSOVER OVER THE BRIDGE. 2' BARRIER OFFSETS SHALL BE USED FOR ALL OTHER AREAS IN PHASE 1.

PHASE 1A
TAYLOR ROAD

ONE 10' LANE WILL BE MAINTAINED IN EACH DIRECTION WHILE WORK IS PERFORMED ON THE EAST HALF OF TAYLOR ROAD.

SR 204 (BLACKLICK-EASTERN ROAD NW)

ONE 11' LANE SHALL BE MAINTAINED IN EACH DIRECTION WHILE WORK IS PERFORMED ON THE NORTHERN PORTION OF SR 204. TEMPORARY PAVEMENT SHALL BE PLACED ON THE SOUTH SIDE OF SR 204 TO FACILITATE THE SHIFT SOUTH. PAVEMENT TO BE PLACED PRIOR TO PHASE 1 WORK.

PALMER ROAD

ONE 11' LANE SHALL BE MAINTAINED FOR BOTH DIRECTIONS ON PALMER ROAD. ALL TRAFFIC WILL BE SHIFTED TO THE EASTBOUND LANE WITH THE USE OF A TEMPORARY SIGNAL PER MT-96.11. WORK SHALL BE PERFORMED ON THE EAST SIDE OF PALMER ROAD.

PHASE 1B
TAYLOR ROAD

ONE 10' LANE WILL BE MAINTAINED IN EACH DIRECTION WHILE WORK IS PERFORMED ON THE WEST HALF OF TAYLOR ROAD.

SEQUENCE OF CONSTRUCTION (CONTINUED)

SR 204 (BLACKLICK-EASTERN ROAD NW)

ONE 11' LANE SHALL BE MAINTAINED IN EACH DIRECTION WHILE WORK IS PERFORMED ON THE SOUTHERN PORTION OF SR 204 AND BOTH SIDES OF WELLESLEY DRIVE. ONE 10' LANE WILL BE MAINTAINED IN EACH DIRECTION ON WELLESLEY DRIVE.

PALMER ROAD

ONE 11' LANE SHALL BE MAINTAINED FOR BOTH DIRECTIONS ON PALMER ROAD. ALL TRAFFIC WILL BE SHIFTED TO THE WESTBOUND LANE WITH THE USE OF A TEMPORARY SIGNAL PER MT-96.11. WORK SHALL BE PERFORMED ON THE WEST SIDE OF PALMER ROAD.

PHASE 2

PHASE 2 CONSTRUCTION CONSISTS OF THE IR 70 EASTBOUND WIDENING FROM THE BEGINNING OF THE PROJECT TO JUST EAST OF THE SR 256 INTERCHANGE. THE EASTBOUND BRIDGE RECONSTRUCTION OVER PALMER ROAD SHALL ALSO BE COMPLETED DURING THIS PHASE. PHASE 2 BEGINS THE PART-WIDTH CONSTRUCTION OF THE EASTBOUND IR 70 BRIDGES OVER BLACKLICK CREEK AND SR 256. TAYLOR ROAD INTERCHANGE TO REMAIN CLOSED DURING PHASE 2 EXCEPT FOR USE AS A DETOUR ROUTE.

IR 70 TRAFFIC ON THE EASTBOUND BRIDGE OVER PALMER ROAD SHALL BE SHIFTED TO THE BRIDGE PORTION CONSTRUCTED IN PHASE 1. TWO 11' LANES WITH 2' BARRIER OFFSETS WILL BE MAINTAINED OVER THE BRIDGE.

RAMP D CLOSURE

THE DETOUR FOR RAMP D IS TO CONTINUE ALONG IR 70 TO THE NEW TAYLOR ROAD INTERCHANGE AND TAKE THE EXIT TO TAYLOR ROAD. TAKE TAYLOR ROAD TO THE IR 70 WEST ENTRANCE RAMP. USE THE NEW CD ROAD TO GET BACK TO SR 256. TEMPORARY PAVEMENT AND AN ADDITIONAL RIGHT TURN LANE WILL BE NEEDED AT THE END OF THE DETOUR AT THE SR 256 EXIT. SEE SHEET P.0256 FOR DETOUR PLAN.

RAMP C CLOSURE

THE DETOUR FOR RAMP C ON RAMP WILL BE TO TAKE SR 204 TO TAYLOR ROAD AND USE THE ON RAMP AT THE NEW INTERCHANGE TO GET TO IR 70 EAST. THE RAMP C CLOSURE WILL TAKE PLACE AT THE END OF PHASE 2. SEE SHEET P.0257 FOR DETOUR PLAN.

PHASE 2A
SR 256

A SHORT-TERM LANE CLOSURE ON SR 256 IS NEEDED TO COMPLETE THE BRIDGE WIDENING. FOR THE PIER WORK ON THE INSIDE SHOULDER, TWO LANES WILL BE MAINTAINED IN EACH DIRECTION UNDER THE BRIDGE. NO CLOSURES SHALL TAKE PLACE UNTIL THE INTERCHANGE AND TAYLOR ROAD IS FULLY COMPLETE.

PALMER ROAD

ONE 11' LANE SHALL BE MAINTAINED FOR BOTH DIRECTIONS ON PALMER ROAD. ALL TRAFFIC WILL BE SHIFTED TO THE EASTBOUND LANE WITH THE USE OF A TEMPORARY SIGNAL PER MT-96.11. WORK SHALL BE PERFORMED ON THE SOUTHWEST SIDE OF THE PALMER ROAD BRIDGE.

PHASE 2B
SR 256

A SHORT-TERM LANE CLOSURE ON SR 256 IS NEEDED TO COMPLETE THE BRIDGE WIDENING. FOR THE WORK ON THE OUTSIDE, TWO LANES WILL BE MAINTAINED IN THE EASTBOUND DIRECTION AND THREE LANES WESTBOUND DIRECTION UNDER THE BRIDGE. NO CLOSURES SHALL TAKE PLACE UNTIL THE INTERCHANGE AND TAYLOR ROAD IS FULLY COMPLETE.

PALMER ROAD

ONE 11' LANE SHALL BE MAINTAINED FOR BOTH DIRECTIONS ON PALMER ROAD. ALL TRAFFIC WILL BE SHIFTED TO THE WESTBOUND LANE WITH THE USE OF A TEMPORARY SIGNAL PER MT-96.11. WORK SHALL BE PERFORMED ON THE SOUTHEAST SIDE OF THE PALMER ROAD BRIDGE.

SEQUENCE OF CONSTRUCTION (CONTINUED)

PHASE 3

PHASE 3 CONSTRUCTION CONSISTS OF THE INSIDE SHOULDER WORK ALONG IR 70 EAST AND THE COMPLETION OF THE BRIDGE CONSTRUCTION FOR THE BLACKLICK CREEK AND SR 256 BRIDGES. TAYLOR ROAD INTERCHANGE WILL BE FULLY OPEN IN THIS PHASE.

THREE 11' LANES WILL BE MAINTAINED ON IR 70 EAST UNTIL THE DROP AT RAMP D. TWO 11' LANES SHALL BE MAINTAINED CONTINUING EAST THE SAME AS IN PHASES 1 AND 2. ENTRANCE RAMP C SHALL REMAIN CLOSED FOR THE DURATION OF PHASE 3 AND USE THE SAME DETOUR SHOWN IN PHASE 2.

PHASE 3A
SR 256

A SHORT-TERM LANE CLOSURE ON SR 256 IS NEEDED TO COMPLETE THE BRIDGE WIDENING. FOR THE WORK ON THE OUTSIDE, TWO LANES WILL BE MAINTAINED IN THE EASTBOUND DIRECTION AND THREE LANES WESTBOUND DIRECTION UNDER THE BRIDGE. NO CLOSURES SHALL TAKE PLACE UNTIL THE INTERCHANGE AND TAYLOR ROAD IS FULLY COMPLETE.

PHASE 3B
SR 256

A SHORT-TERM LANE CLOSURE ON SR 256 IS NEEDED TO COMPLETE THE BRIDGE WIDENING. FOR THE PIER WORK ON THE INSIDE SHOULDER, TWO LANES WILL BE MAINTAINED IN EACH DIRECTION UNDER THE BRIDGE. NO CLOSURES SHALL TAKE PLACE UNTIL THE INTERCHANGE AND TAYLOR ROAD IS FULLY COMPLETE.

PHASE 4

PHASE 4 CONSTRUCTION CONSISTS OF ALL OF THE WESTBOUND CONSTRUCTION. RAMP B WILL BE CLOSED AND DETOURED AND RAMP A WILL BE CONSTRUCTED PART-WIDTH SO AT LEAST ONE LANE REMAINS OPEN AS AN ENTRANCE RAMP TO IR 70 WEST. BOTH THE BLACKLICK CREEK AND SR 256 WESTBOUND BRIDGES WILL BE CONSTRUCTED PART-WIDTH LEAVING ONE LANE OPEN FOR THE WESTBOUND CD ROAD TRAFFIC. THE WESTBOUND PALMER ROAD BRIDGE WILL BE CONSTRUCTED COMPLETELY OFFLINE.

TWO 11' LANES ON IR 70 WILL BE MAINTAINED IN EACH DIRECTION. A TWO LANE CROSSOVER WILL BE USED FOR IR 70 WESTBOUND TO DIVERT THE MAJORITY OF IR 70 WESTBOUND TRAFFIC TO THE COMPLETED EASTBOUND SIDE. ONE WESTBOUND LANE WILL REMAIN OPEN FOR THE CD ROAD TRAFFIC FROM TAYLOR AND AN ADDITIONAL LANE WILL OPEN UP FOR THE ENTRANCE RAMP A FROM SR 256. AFTER TRAFFIC IS CROSSED OVER, A SINGLE LANE CROSSOVER WILL BE USED FOR DRIVERS TO USE THE EXIT RAMP AT TAYLOR ROAD. TWO 11' LANES WILL BE MAINTAINED FOR EASTBOUND IR 70 AND TWO 12' LANES WILL BE MAINTAIINED FOR WESTBOUND IR 70 OVER THE EASTBOUND PALMER ROAD BRIDGE.

FOUR DETOUR ROUTES WILL BE USED.

THE DETOUR WHEN RAMP B IS CLOSED WILL BEGIN AT THE NEW TAYLOR ROAD INTERCHANGE. WESTBOUND TRAFFIC WILL TAKE THE EXIT RAMP TO TAYLOR ROAD THE FOLLOW THE DETOUR TO TAYLOR ROAD SOUTHWEST. THE DETOUR ENDS AT THE SR 256 AND TAYLOR ROAD SOUTHWEST INTERSECTION.

DURING THE PART-WIDTH CONSTRUCTION OF RAMP A, USE OF THE RAMP WILL BE RESTRICTED TO SR 256 EASTBOUND TRAFFIC ONLY. SR 256 WESTBOUND TRAFFIC WILL BE DETOURED TO THE RAMP C ENTRANCE RAMP WHERE THEY WILL USE THE NEW TAYLOR ROAD INTERCHANGE AND THE ENTRANCE RAMP TO THE NEW WESTBOUND CD ROAD TO REACH IR 70 WEST. DURING THIS DETOUR, EASTBOUND TRAFFIC WILL NOT BE PERMITTED TO USE THE EXIT AT TAYLOR ROAD. DRIVERS WANTING TO EXIT AT TAYLOR ROAD WILL BE DIVERTED TO THE SR 256 EXIT WHERE THEY WILL USE SR 256 TO SR 204 TO REACH TAYLOR ROAD.

SEQUENCE OF CONSTRUCTION (CONTINUED)

ALL EASTBOUND CD ROAD TRAFFIC WANTING TO REACH IR 70 EAST WILL USE THE TAYLOR ROAD EXIT THEN CONTINUE ON TO THE TAYLOR ROAD IR 70 ENTRANCE RAMP TO REACH IR 70 EAST.

TWO LANES OVER THE BLACKLICK CREEK BRIDGE WILL NEED TO REMAIN OPEN FOR THE CD ROAD TRAFFIC AND RAMP A TRAFFIC. THE WESTBOUND BRIDGE OVER BLACKLICK CREEK WILL BE WIDENED TO ACCOMMODATE THE RAMP A LANE TO REMAIN OPEN. THIS WIDENING CAN TAKE PLACE AT ANY TIME BEFORE OR DURING PHASE 4. PHASE 4 WILL BE SPLIT INTO SUB PHASES TO SHOW THE PART-WIDTH CONSTRUCTION.

PHASE 4A
SR 256

A SHORT-TERM LANE CLOSURE ON SR 256 IS NEEDED TO COMPLETE THE BRIDGE WIDENING. FOR THE PIER WORK ON THE INSIDE SHOULDER, TWO LANES WILL BE MAINTAINED IN EACH DIRECTION UNDER THE BRIDGE. THE IR 70 WESTBOUND ENTRANCE RAMP BE CLOSED TO SR 256 WESTBOUND TRAFFIC

PALMER ROAD

ONE 11' LANE SHALL BE MAINTAINED FOR BOTH DIRECTIONS ON PALMER ROAD. ALL TRAFFIC WILL BE SHIFTED TO THE EASTBOUND LANE WITH THE USE OF A TEMPORARY SIGNAL PER MT-96.11. WORK SHALL BE PERFORMED ON THE EAST SIDE OF THE WESTBOUND PALMER ROAD BRIDGE.

PHASE 4B
SR 256

A SHORT-TERM LANE CLOSURE ON SR 256 IS NEEDED TO COMPLETE THE BRIDGE WIDENING. FOR THE WORK ON THE OUTSIDE, TWO LANES WILL BE MAINTAINED IN THE EASTBOUND DIRECTION AND THREE LANES WESTBOUND DIRECTION UNDER THE BRIDGE.

PALMER ROAD

ONE 11' LANE SHALL BE MAINTAINED FOR BOTH DIRECTIONS ON PALMER ROAD. ALL TRAFFIC WILL BE SHIFTED TO THE WESTBOUND LANE WITH THE USE OF A TEMPORARY SIGNAL PER MT-96.11. WORK SHALL BE PERFORMED ON THE WEST SIDE OF THE WESTBOUND PALMER ROAD BRIDGE.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.00104 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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TEMPORARY SIGN CAD

DETAILS TO BE

COMPLETED IN STAGE 3

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT Notes 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:04 PM USER: brieder
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TEMPORARY SIGN DETAILS

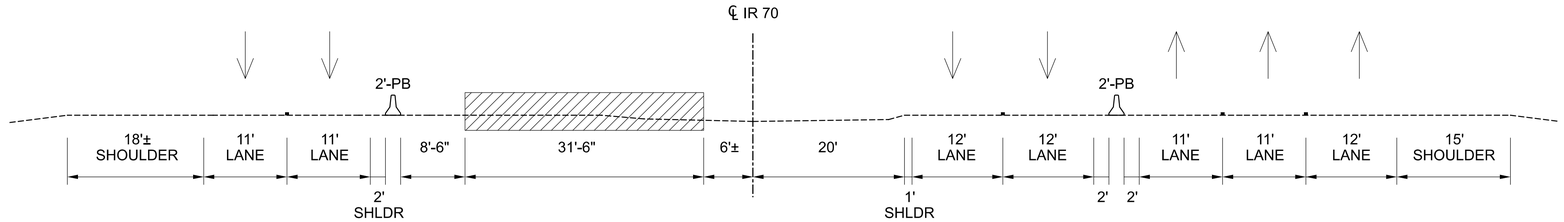
DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.00105 TOTAL P.1556



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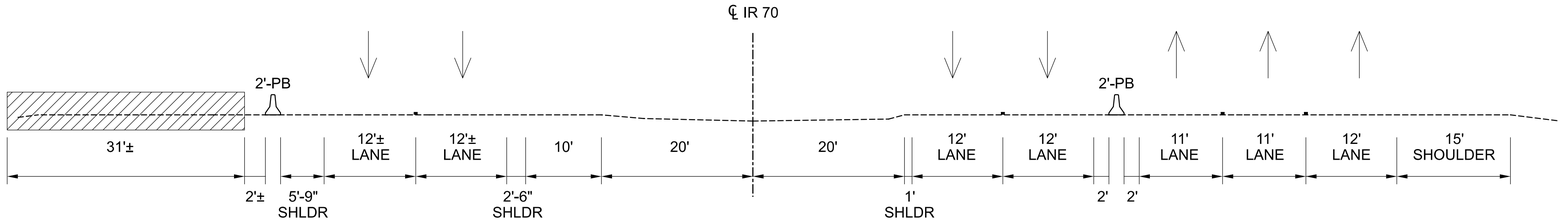
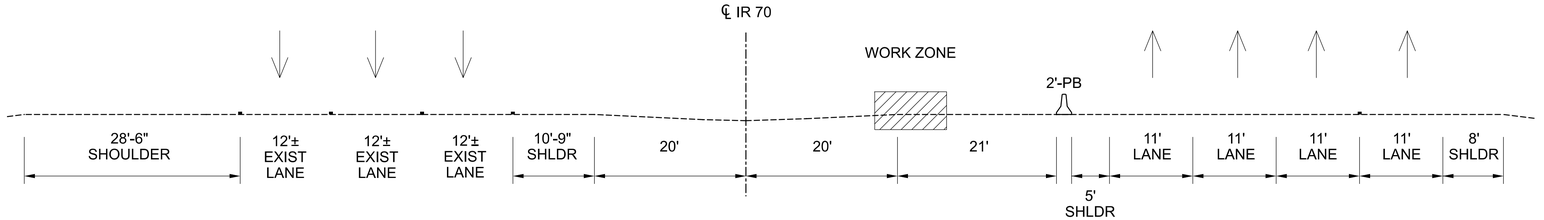


MOT PHASE 4A



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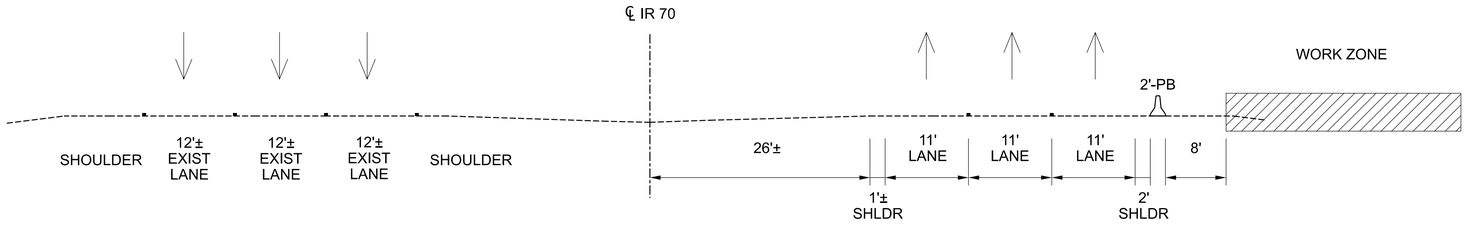

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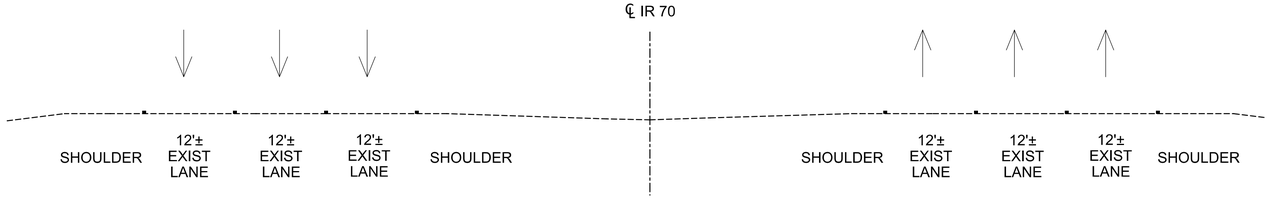
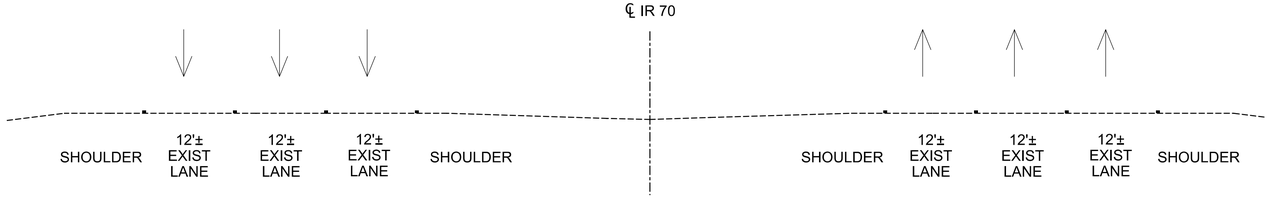


MOT PHASE 1



EXISTING CONDITION

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION A-A

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.00106 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION A-A PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:14 PM USER: brieder
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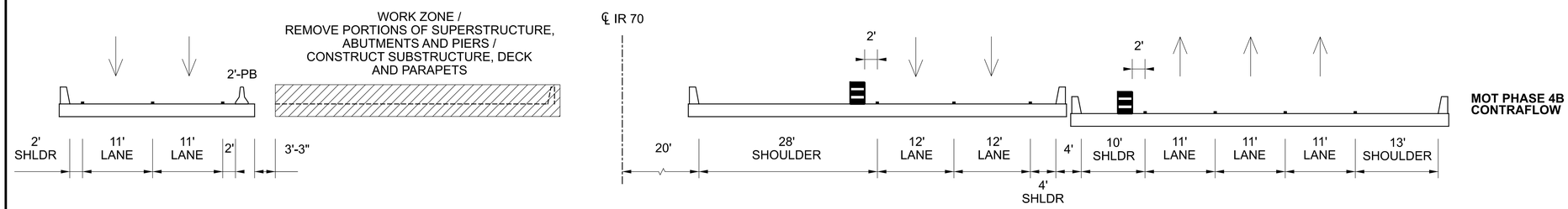

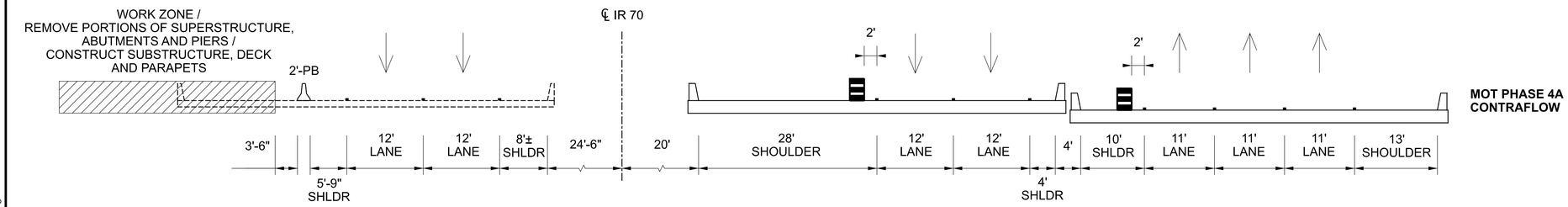

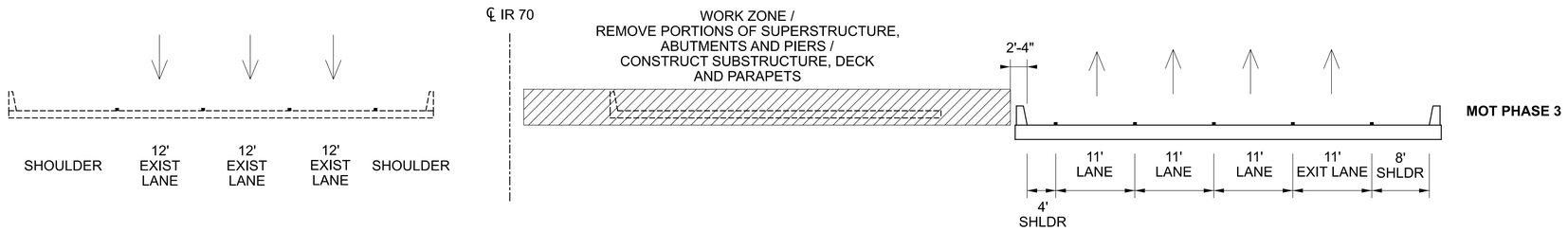

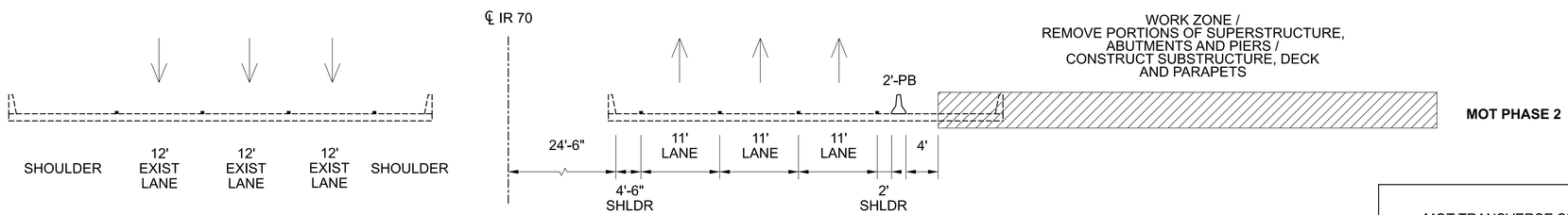

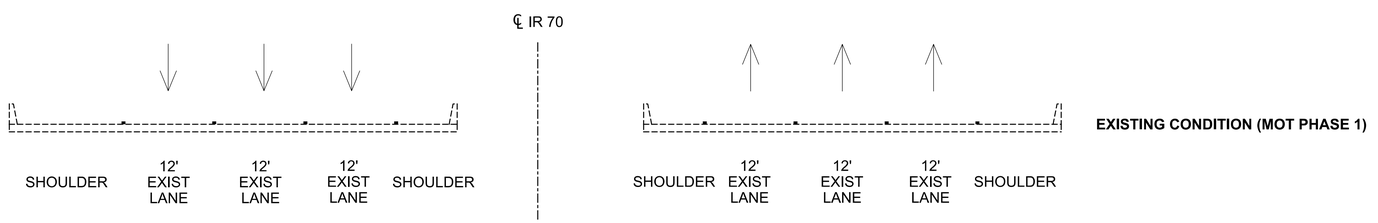

STA. 45+00
SECTION B-B
BLACKLICK CREEK BRIDGE

WESTBOUND BRIDGE

EASTBOUND BRIDGE

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION B-B

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.00107 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION B-B PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:24 PM USER: brieder
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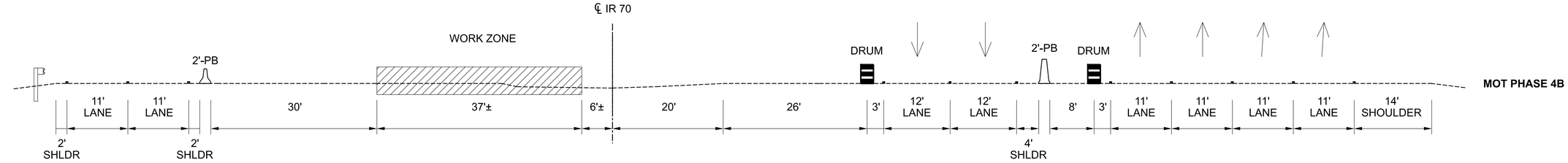
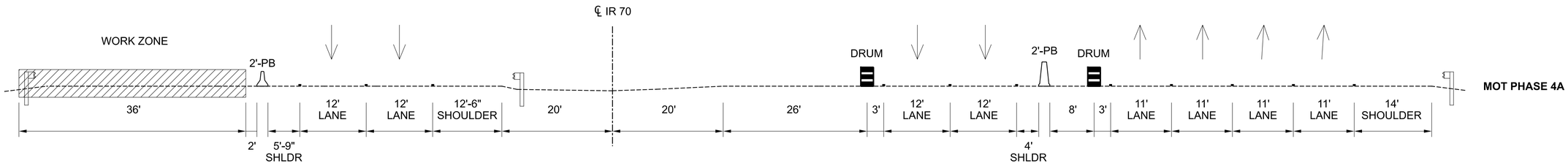
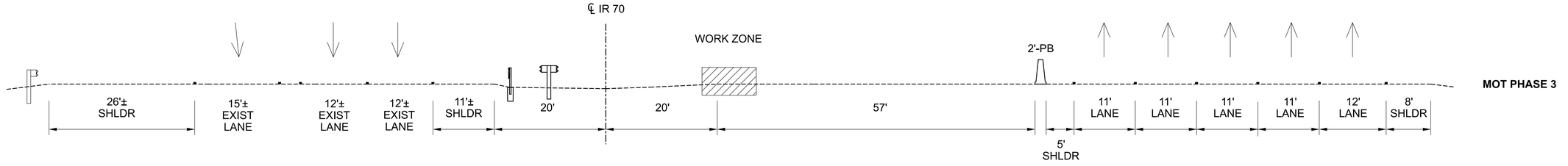


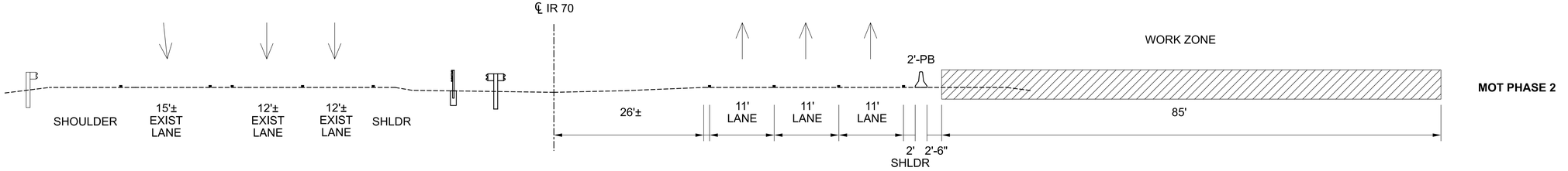
MOT PHASE 4B



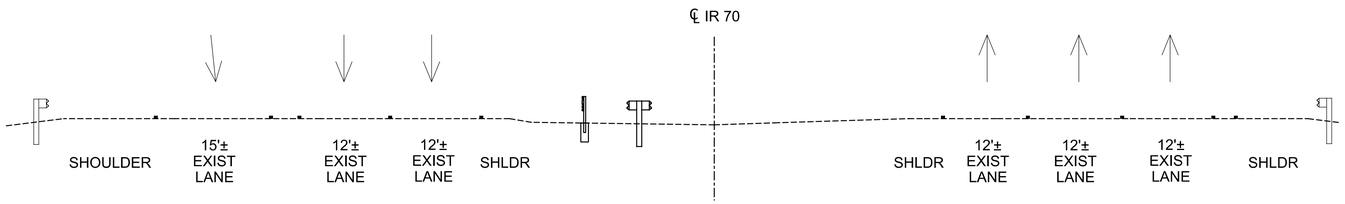
MOT PHASE 4A



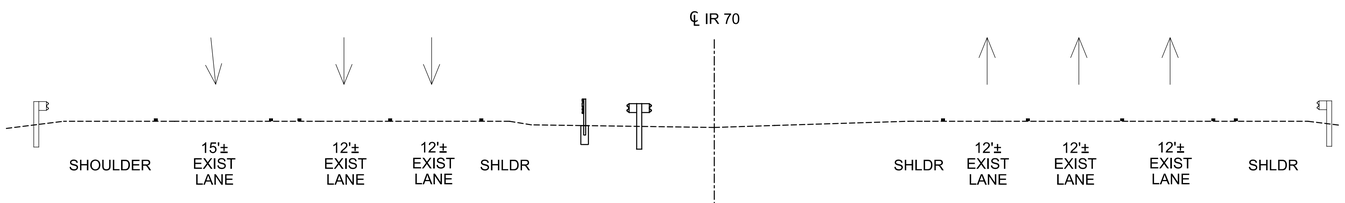
MOT PHASE 3



MOT PHASE 2



MOT PHASE 1



EXISTING CONDITION

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION C-C

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TS
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.00108 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION C-C PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:32 PM USER: brieder
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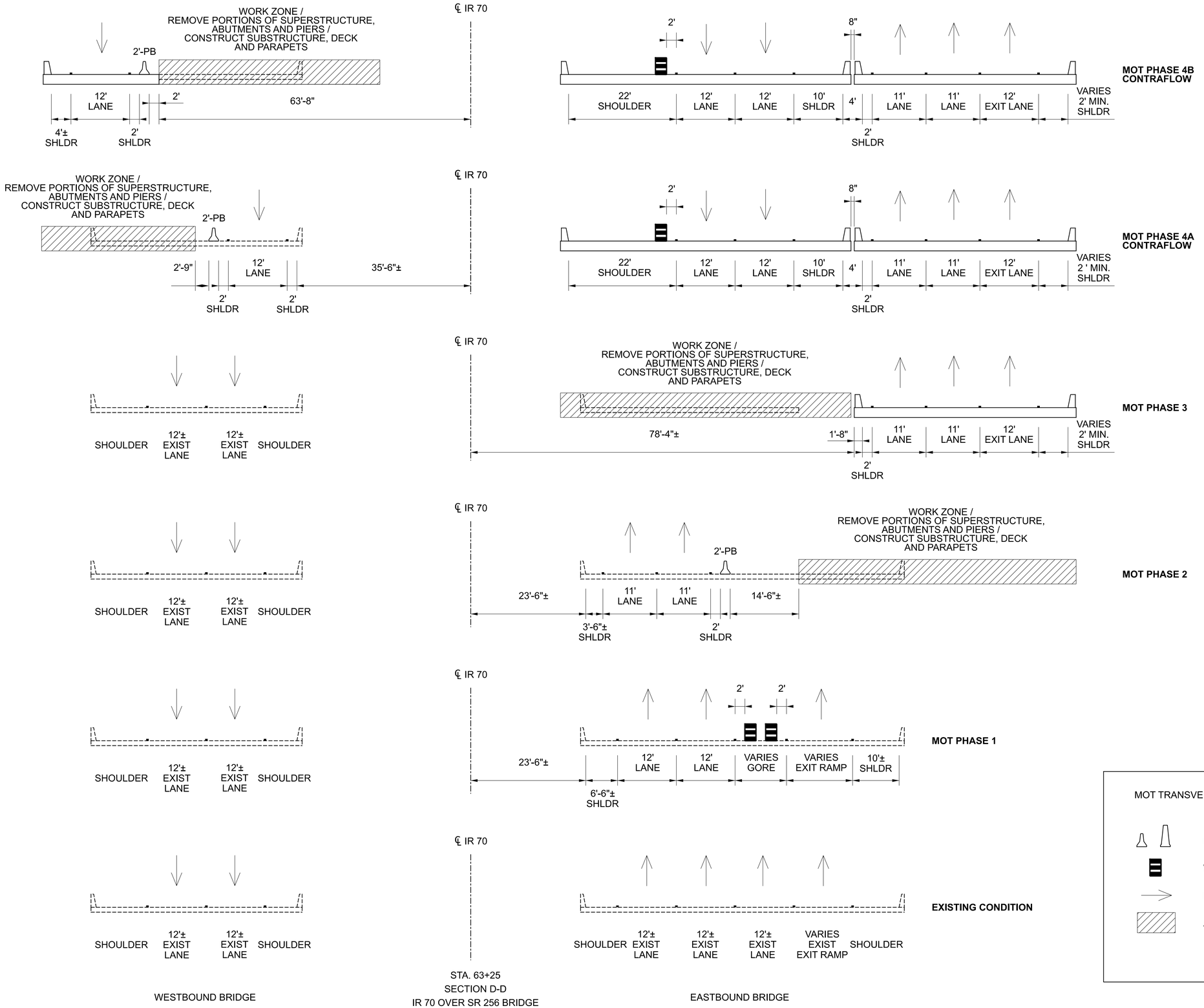

STA. 63+25
SECTION D-D
IR 70 OVER SR 256 BRIDGE

WESTBOUND BRIDGE

EASTBOUND BRIDGE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION D-D

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION D-D PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:40 PM USER: brieder
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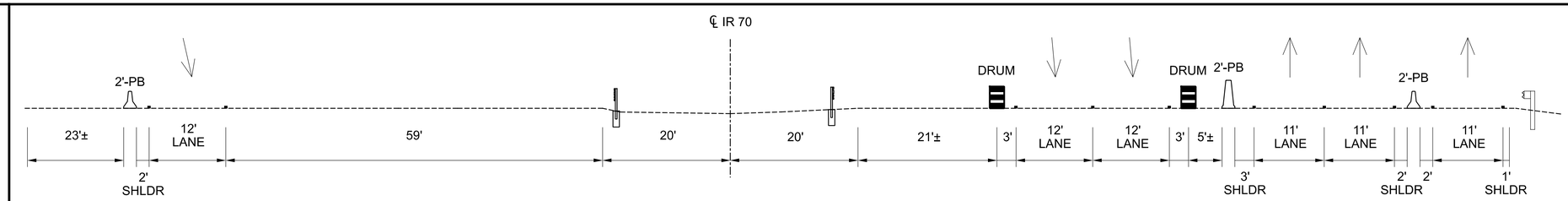
DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TS

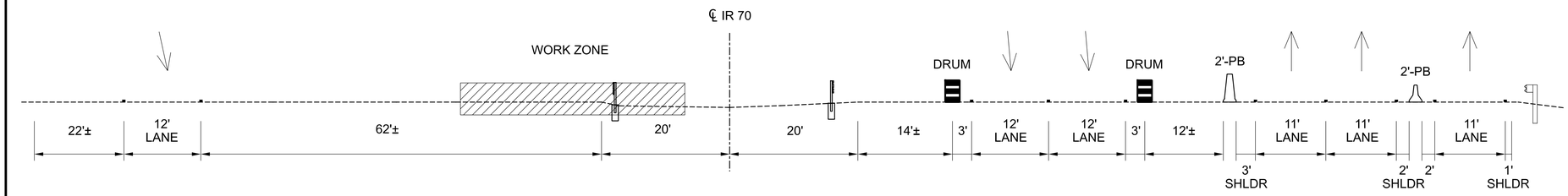
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

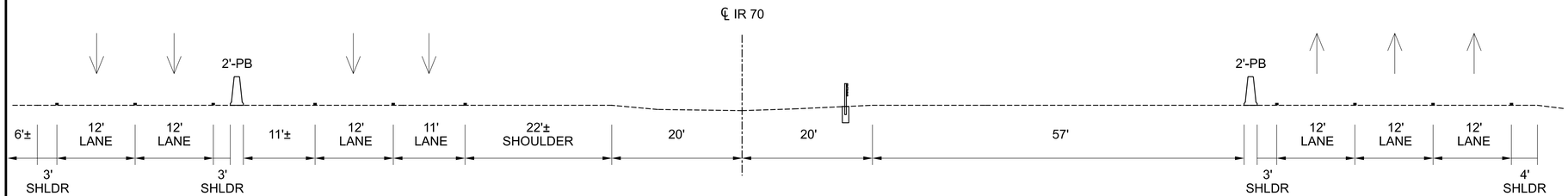
SHEET P.00109 TOTAL P.1556



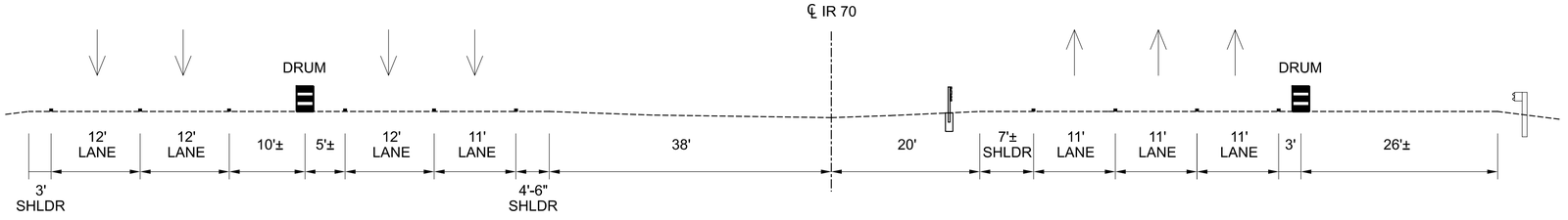
MOT PHASE 4B



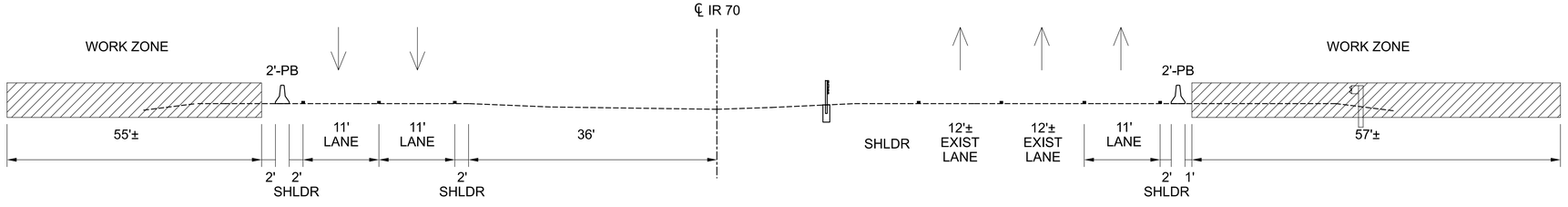
MOT PHASE 4A



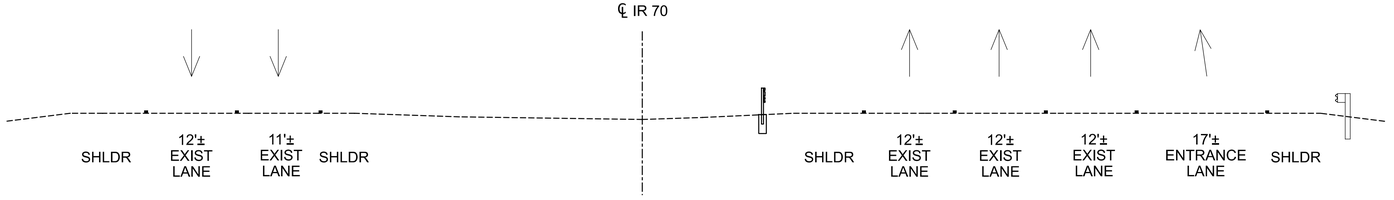
MOT PHASE 3



MOT PHASE 2



MOT PHASE 1



EXISTING CONDITION

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION E-E

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION E-E PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:48 PM USER: brieder
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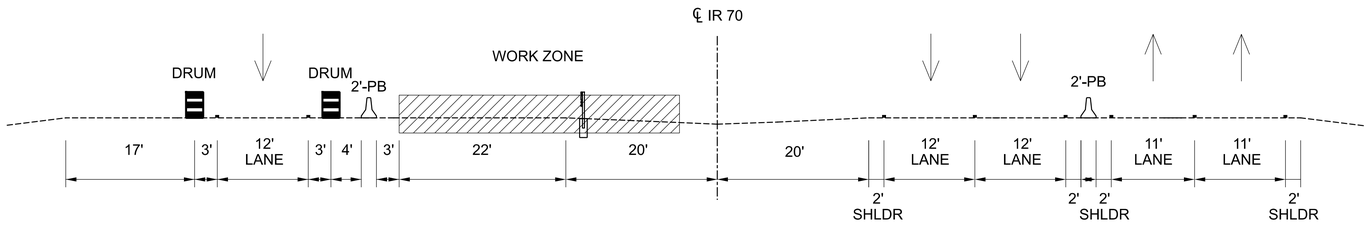
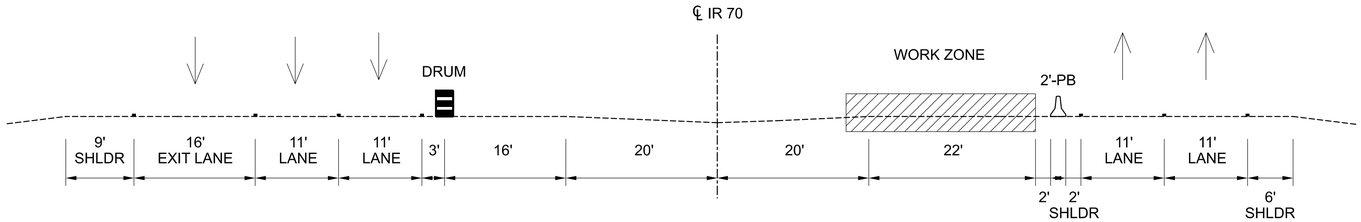
DESIGN AGENCY: GANNETT FLEMING
DESIGNER: TCW
REVIEWER: DRJ 04/25/25
PROJECT ID: 96808
SHEET: P.00110 TOTAL: P.1556



MOT PHASE 4



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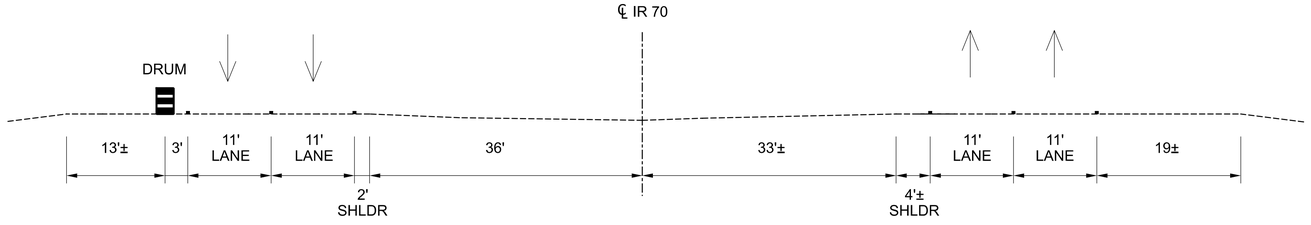
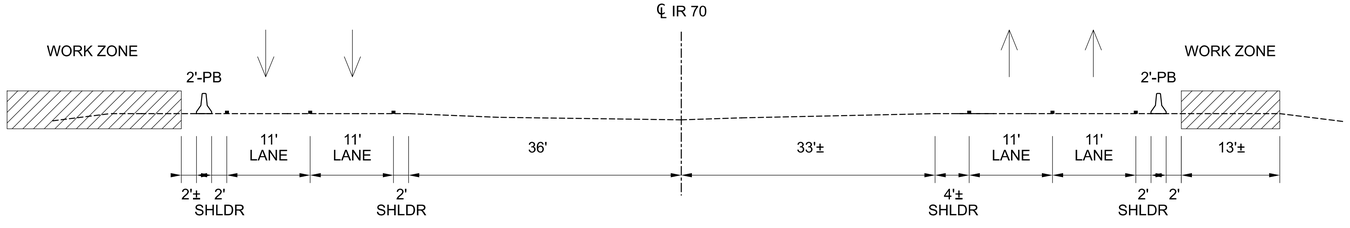
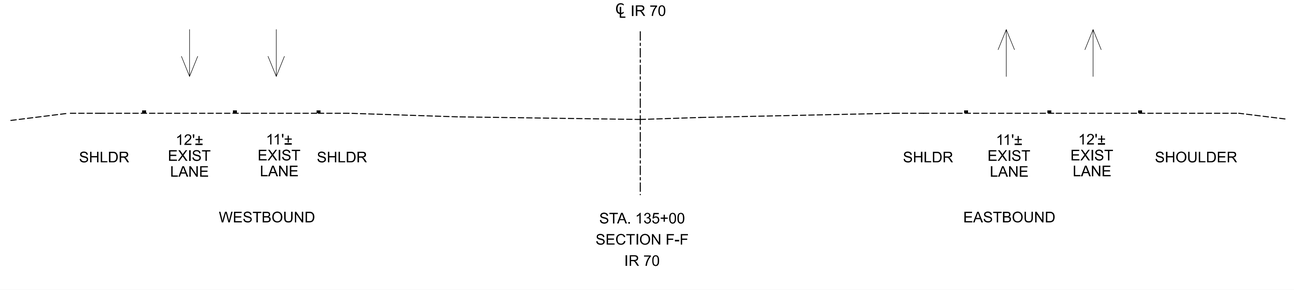


MOT PHASE 2



MOT PHASE 1



EXISTING CONDITION

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION F-F

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.00111 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION F-F PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:41:56 PM USER: brieder
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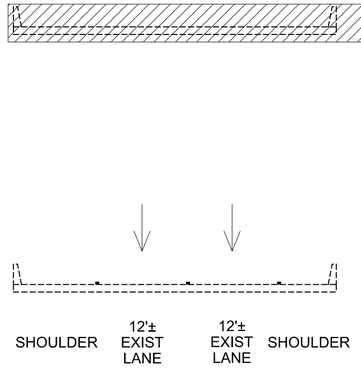
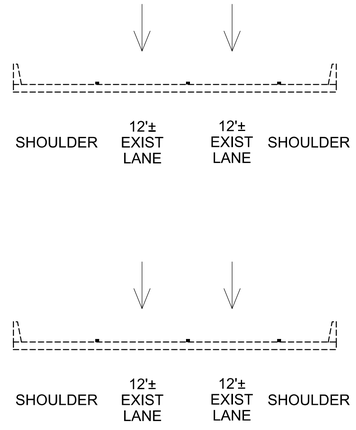
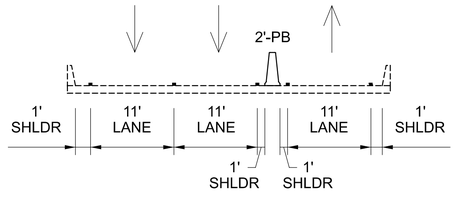
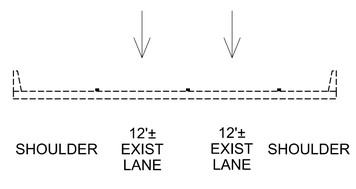
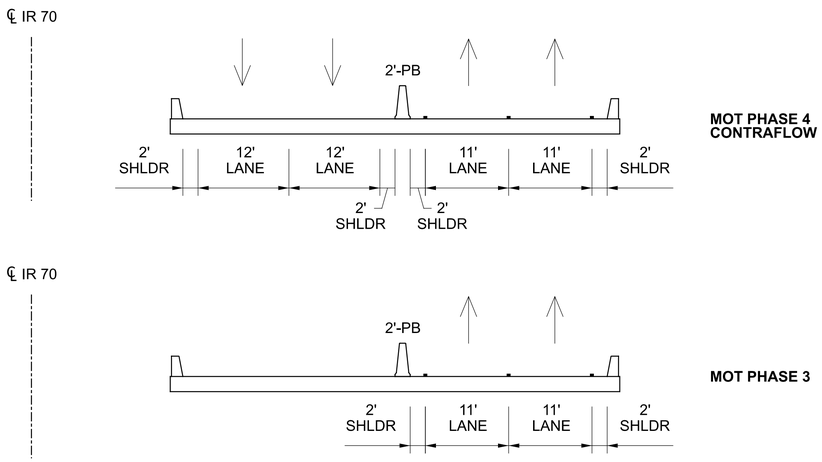








WESTBOUND BRIDGE



STA. 165+00
SECTION G-G
IR 70 OVER PALMER RD BRIDGE

EASTBOUND BRIDGE

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
IR-70 TYPICAL SECTIONS
SECTION G-G

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.00112 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SECTION G-G PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:42:05 PM USER: brieder
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MODEL: SECTION H-H PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:42:14 PM USER: brieder
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℄ RAMP A

WORK ZONE

2'-PB

6'-9" SHLDR | 12' LANE | 2' | 1'-3"

MOT PHASE 4B

℄ RAMP A

EX. FENCE

WORK ZONE

2'-PB

4'-9"

4'± SHLDR | 15' EXIST LANE | 15' EXIST LANE | 4'± SHLDR

MOT PHASE 4A

℄ RAMP A

EX. FENCE

4'± SHLDR | 15' EXIST LANE | 15' EXIST LANE | 4'± SHLDR

EXISTING CONDITION (MOT PHASES 1, 2 AND 3)

STA. 62+00
SECTION H-H
RAMP A

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
RAMP A TYPICAL SECTIONS
SECTION H-H

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.00113 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00
MODEL: SECTION J-J PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:42:22 PM USER: brieder
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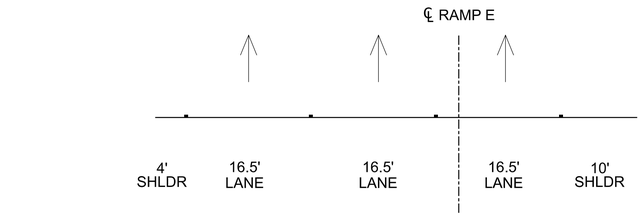
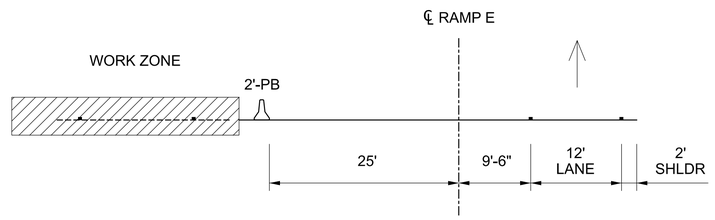
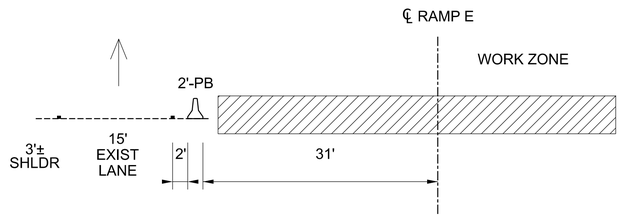


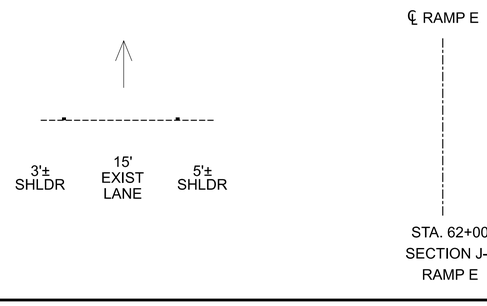
MOT PHASES 3, 4A AND 4B



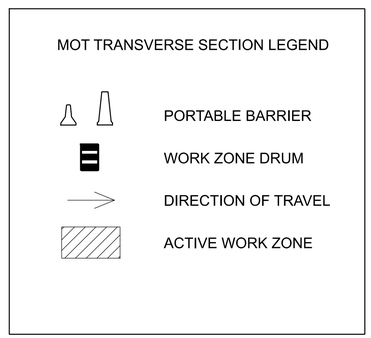
MOT PHASE 2 STAGE 2



MOT PHASE 2 STAGE 1



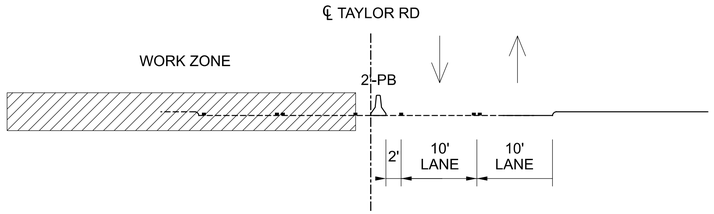
EXISTING CONDITION (MOT PHASE 1)



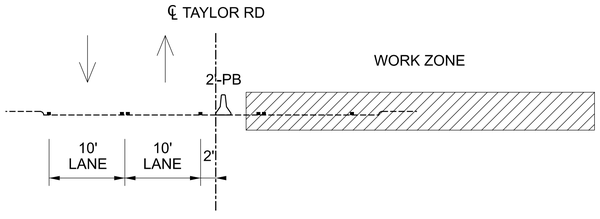
MAINTENANCE OF TRAFFIC
RAMP E TYPICAL SECTIONS
SECTION J-J

DESIGN AGENCY
GANNETT FLEMING

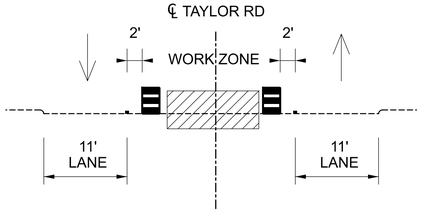
DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.00114 TOTAL P.1556



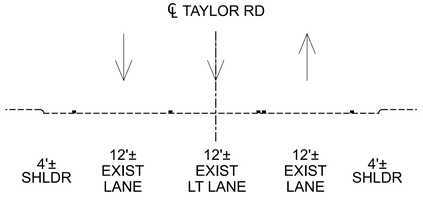
MOT PHASE 1C



MOT PHASE 1B



MOT PHASE 1A



STA. 19+50
SECTION A-A
TAYLOR RD

EXISTING CONDITION

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
TAYLOR ROAD TYPICAL SECTIONS
SECTION A-A

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.00115 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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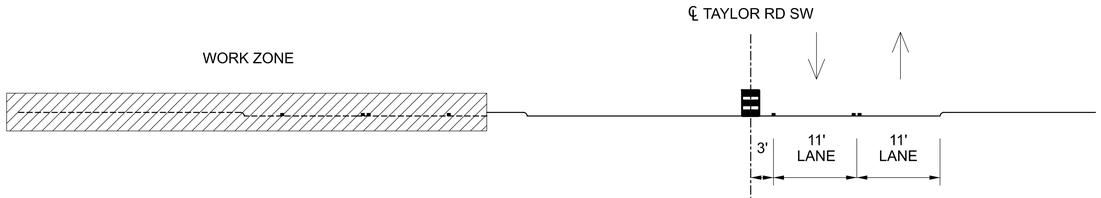
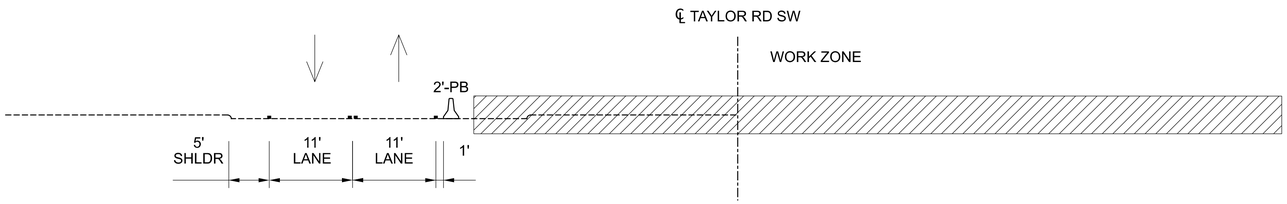
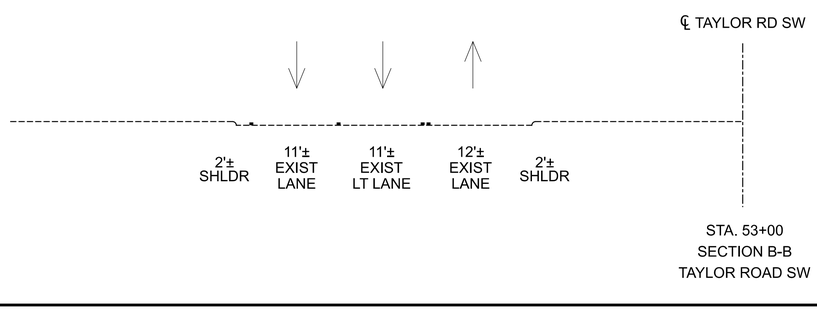


MOT PHASE 1C



MOT PHASE 1B



EXISTING CONDITION (PHASE 1A)

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
TAYLOR ROAD SW TYPICAL SECTIONS
SECTION B-B

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.00116 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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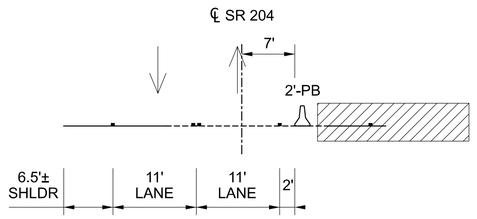
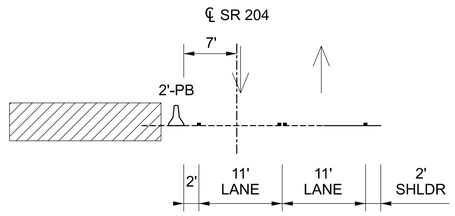
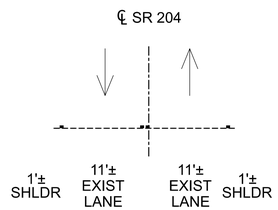


MOT PHASE 1C



MOT PHASE 1B



EXISTING CONDITION (PHASE 1A)

STA. 38+50
SECTION C-C
SR 204

MOT TRANSVERSE SECTION LEGEND

- PORTABLE BARRIER
- WORK ZONE DRUM
- DIRECTION OF TRAVEL
- ACTIVE WORK ZONE

MAINTENANCE OF TRAFFIC
SR-204 TYPICAL SECTIONS
SECTION C-C

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.00117 TOTAL P.1556

PAVEMENT MARKING LEGEND

WEW-XX	WORK ZONE EDGE LINE, CLASS I (WHITE)	WCV-XX	WORK ZONE GORE MARKING, CLASS II
WEY-XX	WORK ZONE EDGE LINE, CLASS I (YELLOW)	WSL-XX	WORK ZONE STOP LINE, CLASS I
WLL-XX	WORK ZONE LANE LINE, CLASS I	WZA-XX	WORK ZONE ARROW, CLASS I
WCH-XX	WORK ZONE CHANNELIZING LINE, CLASS I	PB-XX	PORTABLE BARRIER
WDL-XX	WORK ZONE DOTTED LINE, CLASS I	WIA-XX	IMPACT ATTENUATOR
WDY-XX	WORK ZONE CENTERLINE, CLASS I (DOUBLE YELLOW)	TP-XX	TEMPORARY PAVEMENT

SIGNING LEGEND

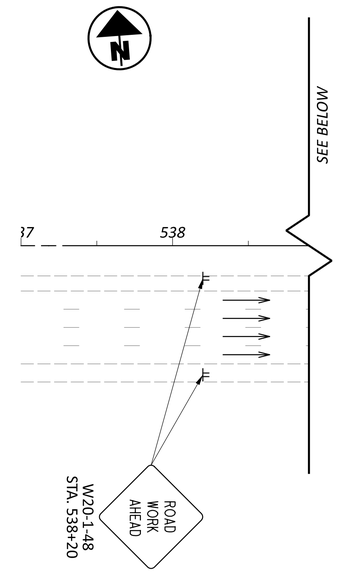
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- (R) EXISTING SIGN TO BE REMOVED AND RE-ERECTED
- PROPOSED SIGN

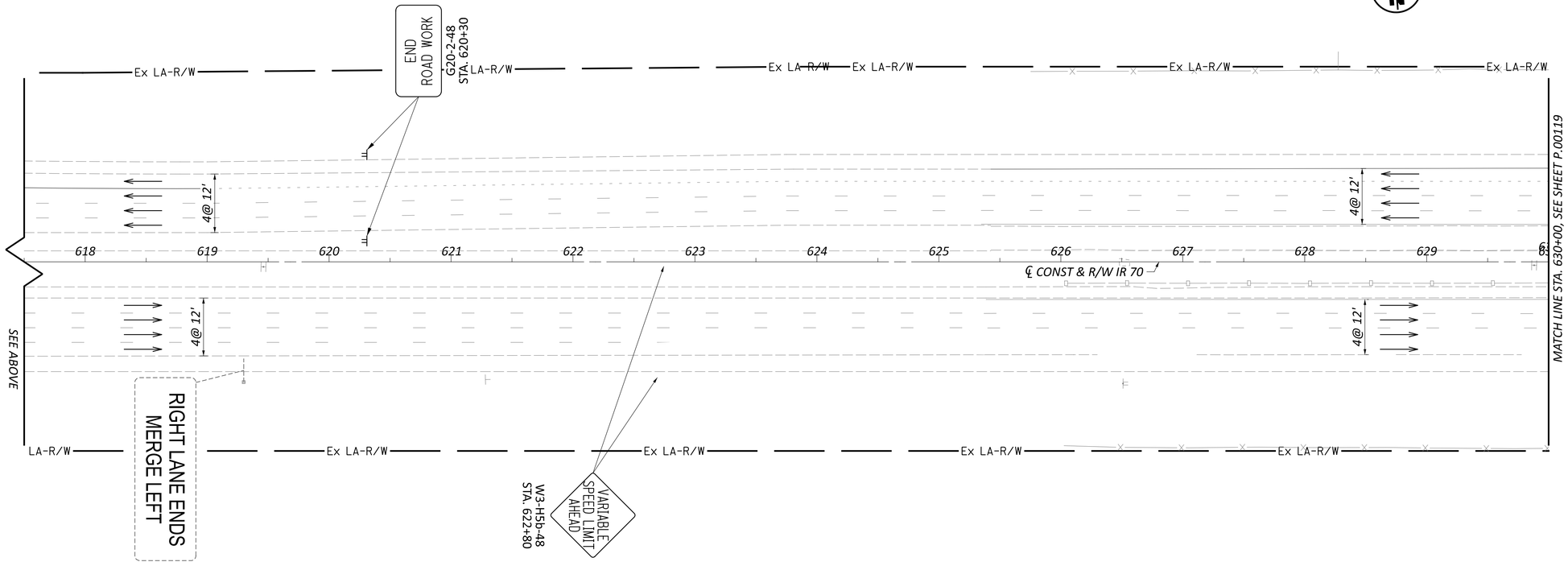
MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- PORTABLE BARRIER
- LONGITUDINAL CHANNELIZER
- IMPACT ATTENUATOR
- DRUMS (SPACING)
- DIRECTION OF TRAVEL
- TEMPORARY PAVEMENT (PLACED IN PRE-PHASE OR PREVIOUS PHASE)

NOTES:

1. EXISTING TRAFFIC SHALL BE MAINTAIN IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE SCHEDULE (PLCS) AND PER SCD MT-95.30 DURING CONSTRUCTION OF PAVEMENT FOR MAINTAINING TRAFFIC.
2. MAINTAIN EXISTING STRIPING UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. TEMPORARY TRAFFIC CONTROL SHOWN ON THIS SHEET IS FOR THE INSTALLATION OF THE CROSSOVER ONLY AND WILL BE REMOVED WHEN THE TRAFFIC CONTROL FOR CROSSOVER IS NO LONGER REQUIRED.
5. FOR CROSSOVER CONSTRUCTION DETAILS, REFER TO SHEETS *P.0199* , *P.0210* , *$MP193* & *$MP194*
6. FOR SEQUENCE OF CONSTRUCTION SEE SHEET *P.00104*





HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1
BEGIN WORK TO STA. 630+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.00118
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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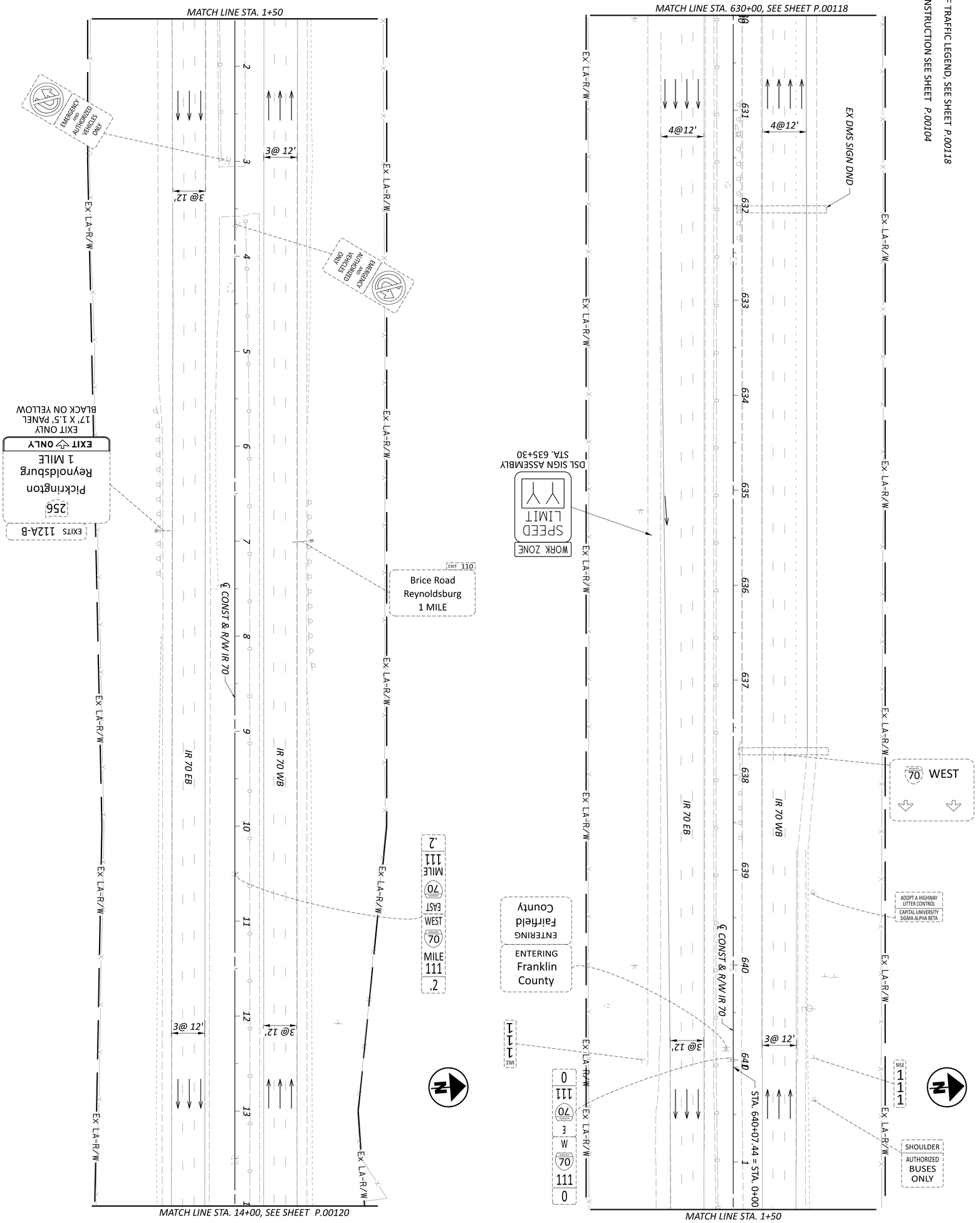
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION SEE SHEET *P.00104*



MAINTENANCE OF TRAFFIC - PHASE 1
STA. 630+00 TO STA. 14+00

SHEET P.00119	TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW	DESIGN AGENCY GANNETT FLEMING

HORIZONTAL SCALE IN FEET
0 50
25 100

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP103 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:43:46 PM USER: brieder
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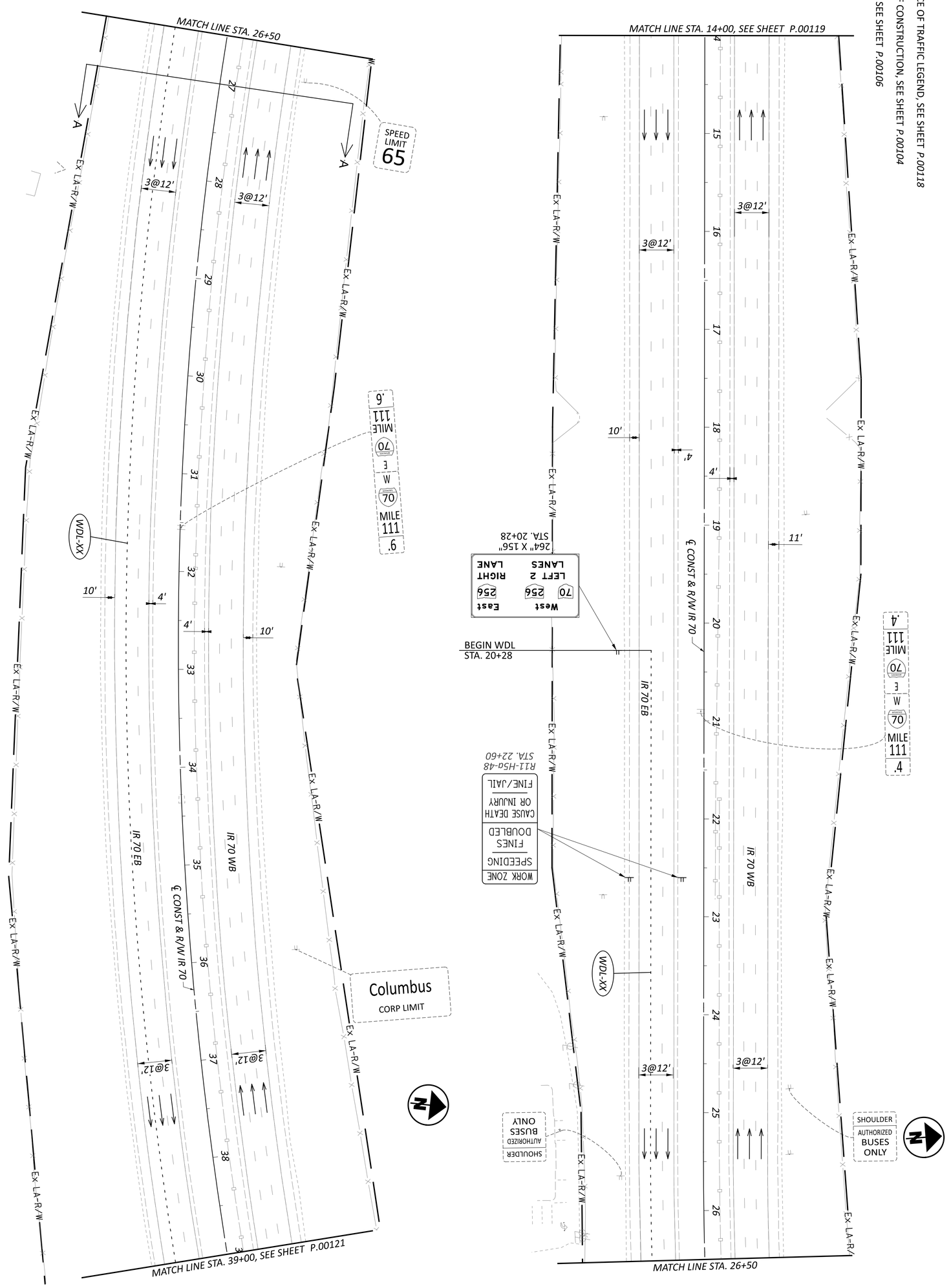
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET P.00118
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET P.00104
3. FOR SECTION A-A, SEE SHEET P.00106



SHEET P.00120	TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW	DESIGN AGENCY GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 1
STA. 14+00 TO STA. 39+00

HORIZONTAL SCALE IN FEET
0 25 50 100

MODEL: 96808_MP104 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:44:02 PM USER: brieder
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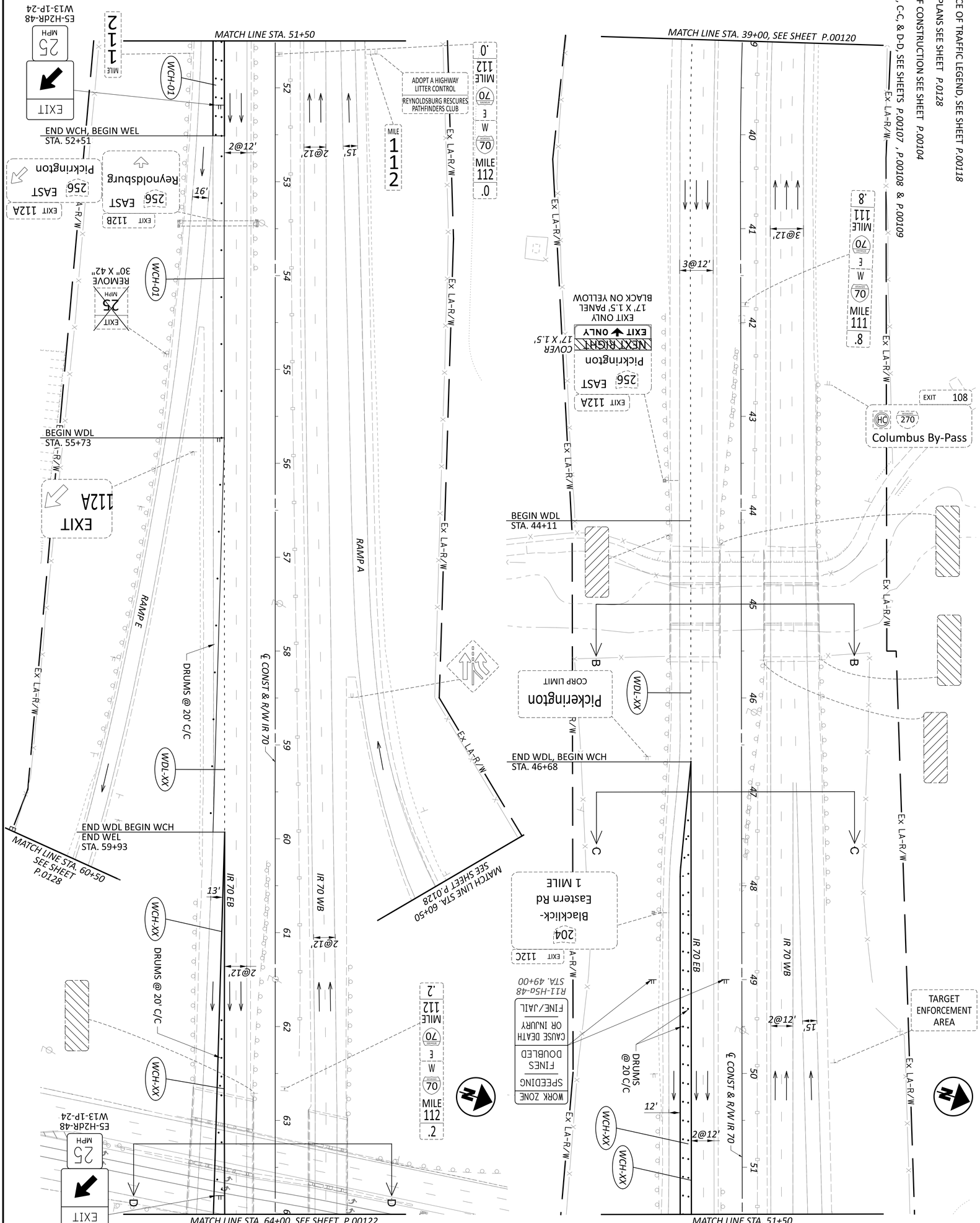
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SR 256 MOT PLANS SEE SHEET *P.0128*
3. FOR SEQUENCE OF CONSTRUCTION SEE SHEET *P.00104*
4. FOR SECTION B-B, C-C, & D-D, SEE SHEETS *P.00107* , *P.00108* & *P.00109*

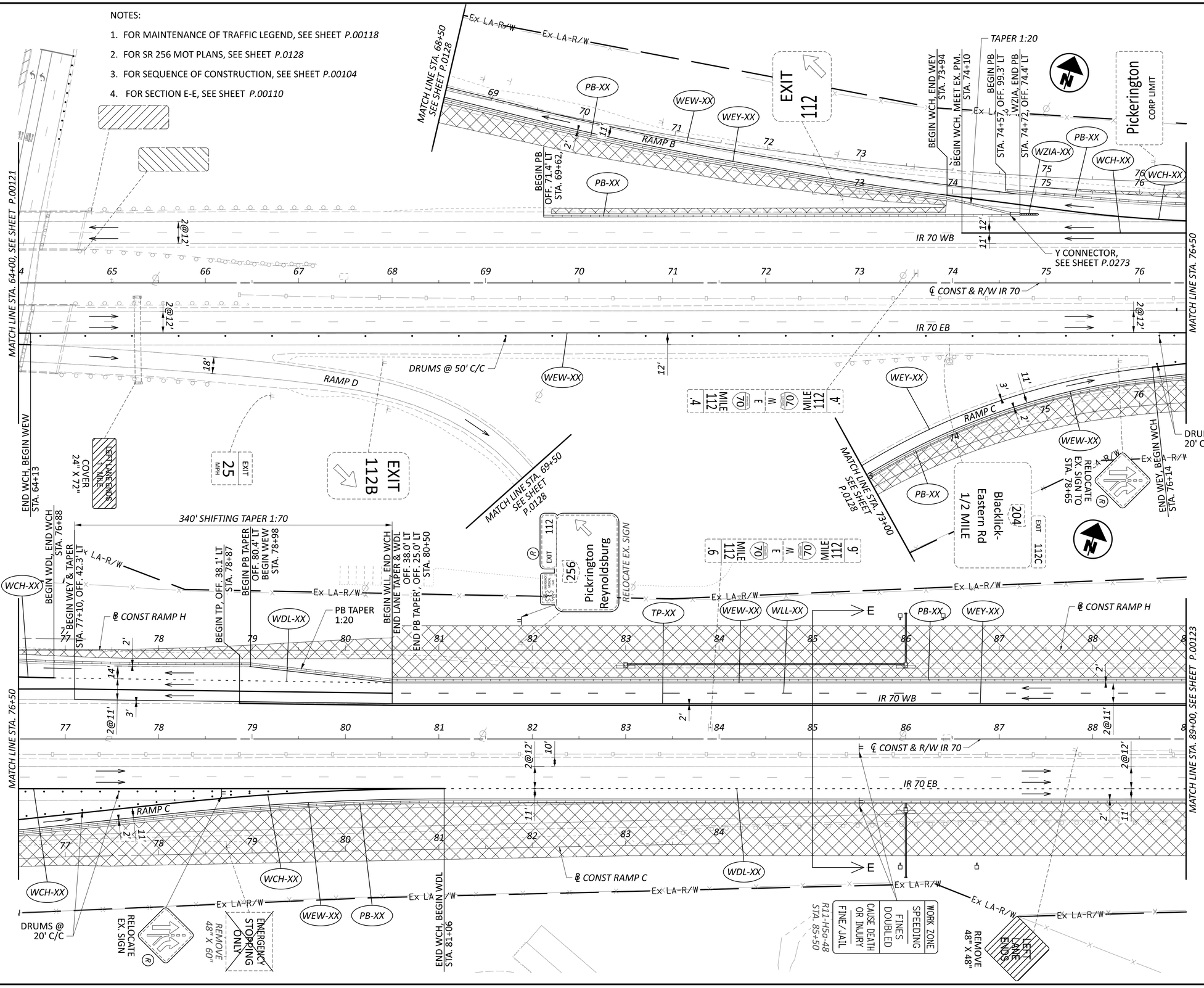


SHEET P.00121 TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW	GANNETT FLEMING DESIGN AGENCY	MAINTENANCE OF TRAFFIC - PHASE 1 STA. 39+00 TO STA. 64+00

HORIZONTAL SCALE IN FEET
0 50
25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SR 256 MOT PLANS, SEE SHEET *P.0128*
3. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
4. FOR SECTION E-E, SEE SHEET *P.00110*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1
STA. 64+00 TO STA. 89+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.00122 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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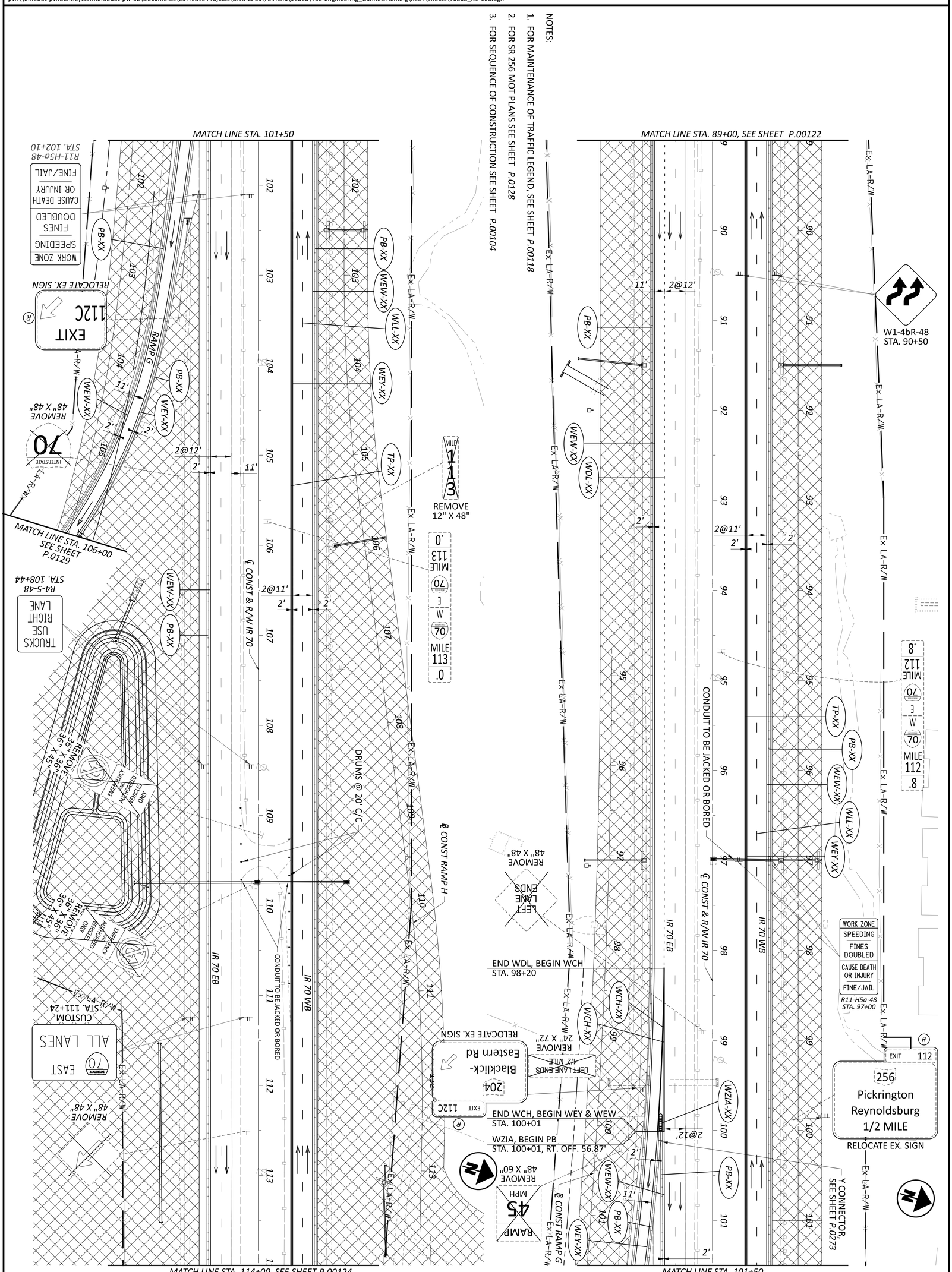

SHEET P.00123 TOTAL P.1556	PROJECT ID 96808	DESIGNER TCW	REVIEWER DRJ 04/25/25	DESIGN AGENCY GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 1
STA. 89+00 TO STA. 114+00

HORIZONTAL SCALE IN FEET
0 50
25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SR 256 MOT PLANS, SEE SHEET *P.0129*
3. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
4. FOR SECTION F-F, SEE SHEET *P.00111*

HORIZONTAL SCALE IN FEET: 0, 25, 50, 100

MAINTENANCE OF TRAFFIC - PHASE 1
STA. 114+00 TO STA. 139+00

FAI/LIC-IR 70-0.00/0.00

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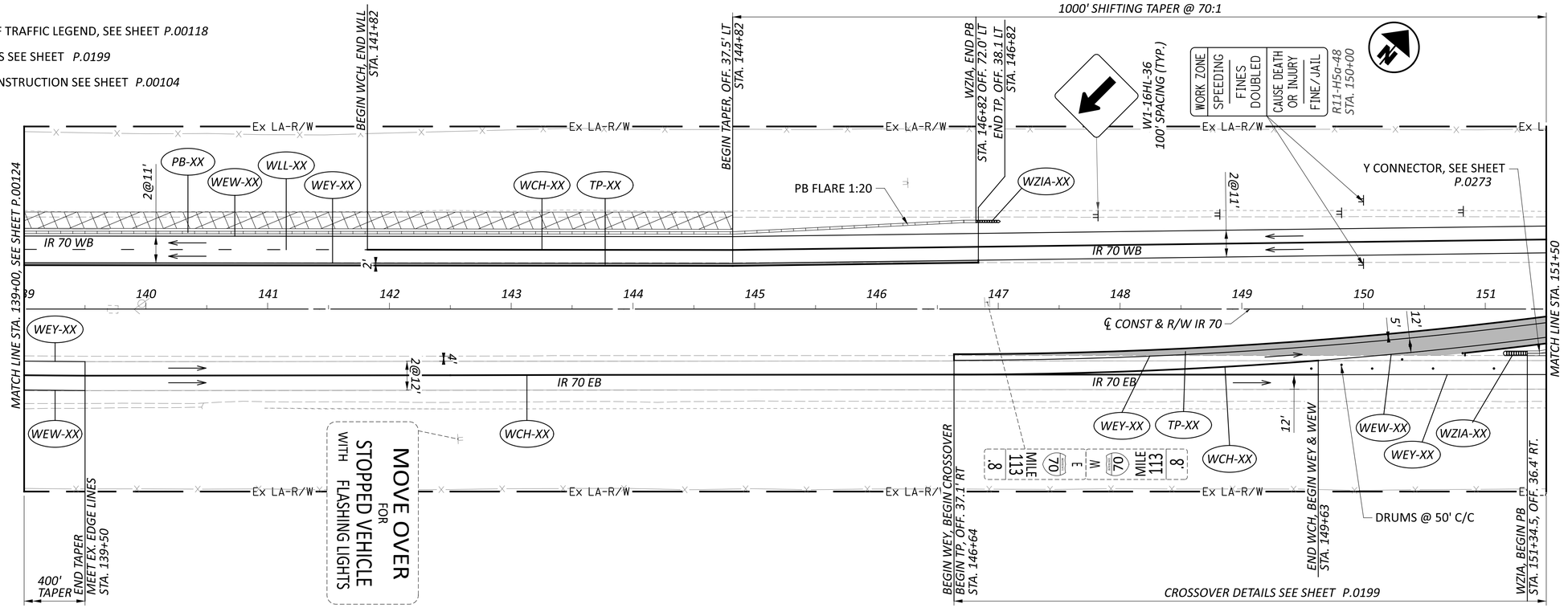
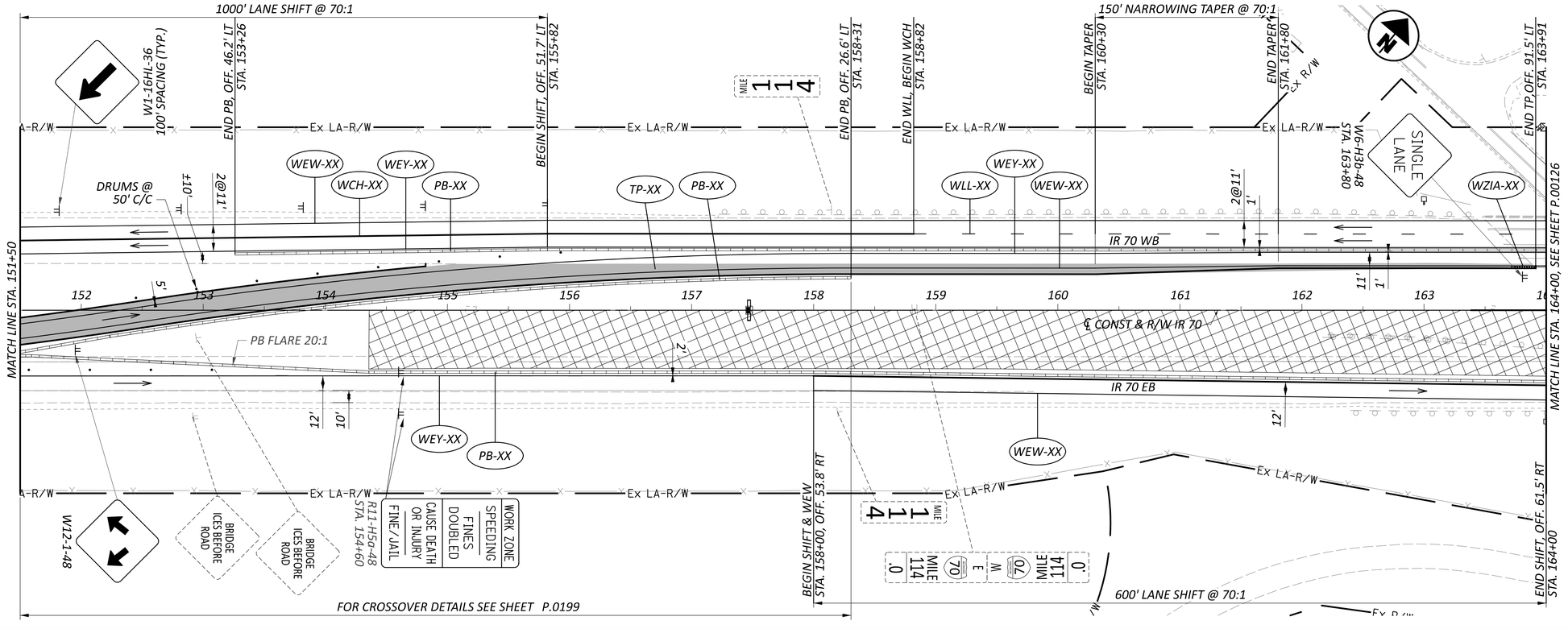
DESIGN AGENCY: GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.00124
TOTAL	P.1556

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR CROSSOVER PLANS SEE SHEET *P.0199*
3. FOR SEQUENCE OF CONSTRUCTION SEE SHEET *P.00104*





HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1
STA. 139+00 TO STA. 164+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.00125 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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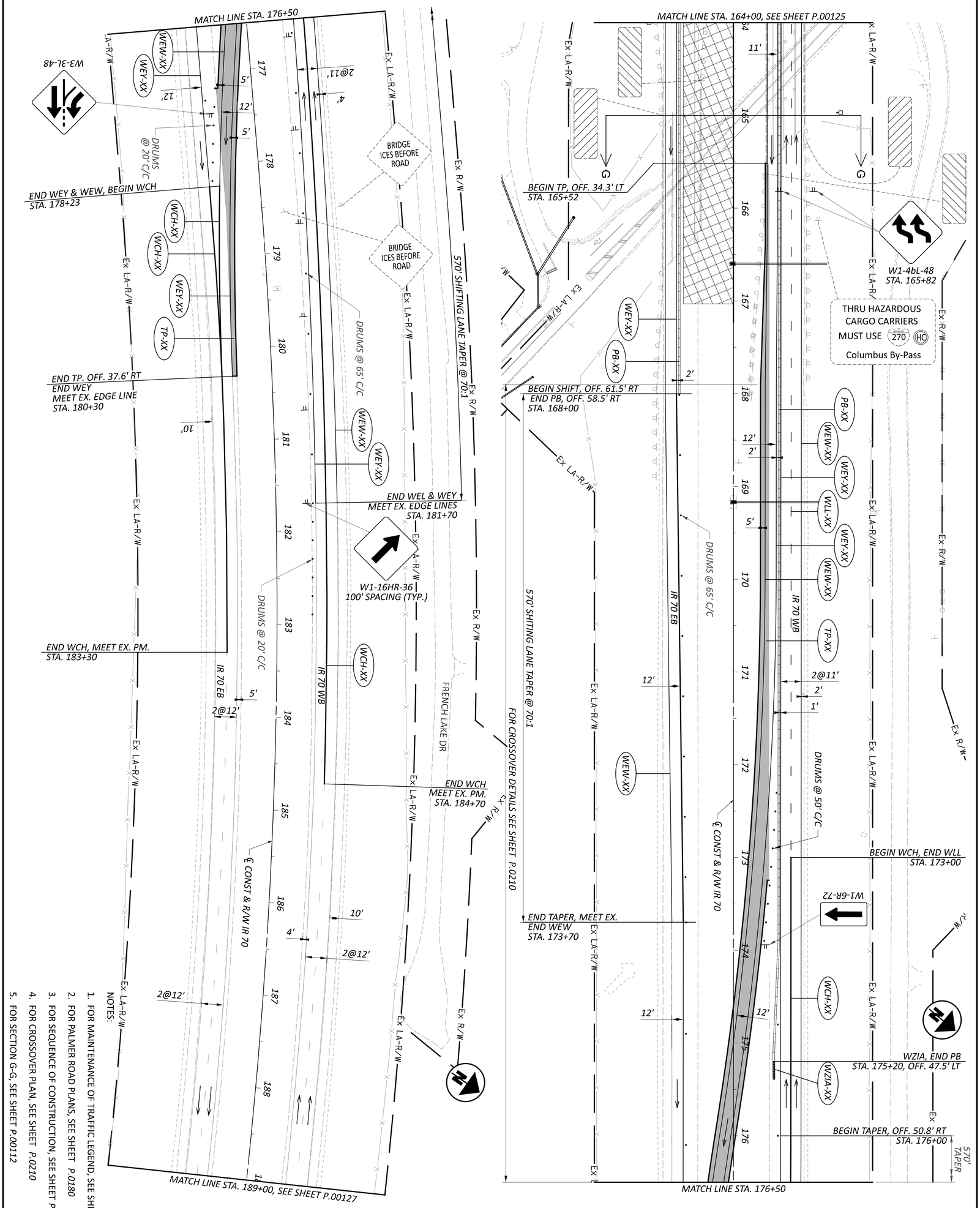

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET P.00118
2. FOR PALMER ROAD PLANS, SEE SHEET P.0180
3. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET P.00104
4. FOR CROSSOVER PLAN, SEE SHEET P.0210
5. FOR SECTION G-G, SEE SHEET P.00112

SHEET P.00126	TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25
DESIGNER TCW	DESIGN AGENCY GANNETT FLEMING		

MAINTENANCE OF TRAFFIC - PHASE 1
STA. 164+00 TO STA. 189+00

HORIZONTAL SCALE IN FEET
0 25 50 100

MODEL: 96808_MP110 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:46:29 PM USER: brieder
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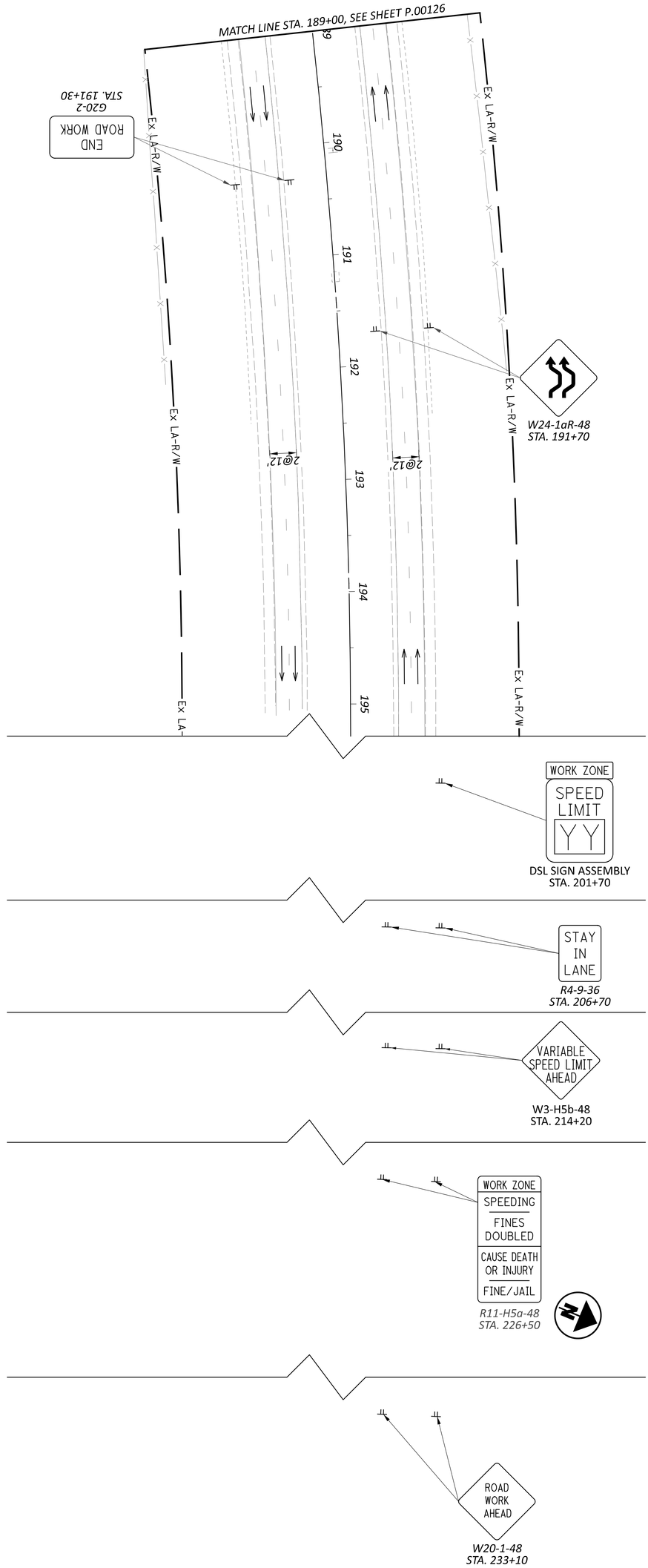
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*



SHEET	TOTAL
P.00127	P.1556

PROJECT ID: 96808

REVIEWER: DRJ 04/25/25

DESIGNER: TCW

DESIGN AGENCY: GANNETT FLEMING

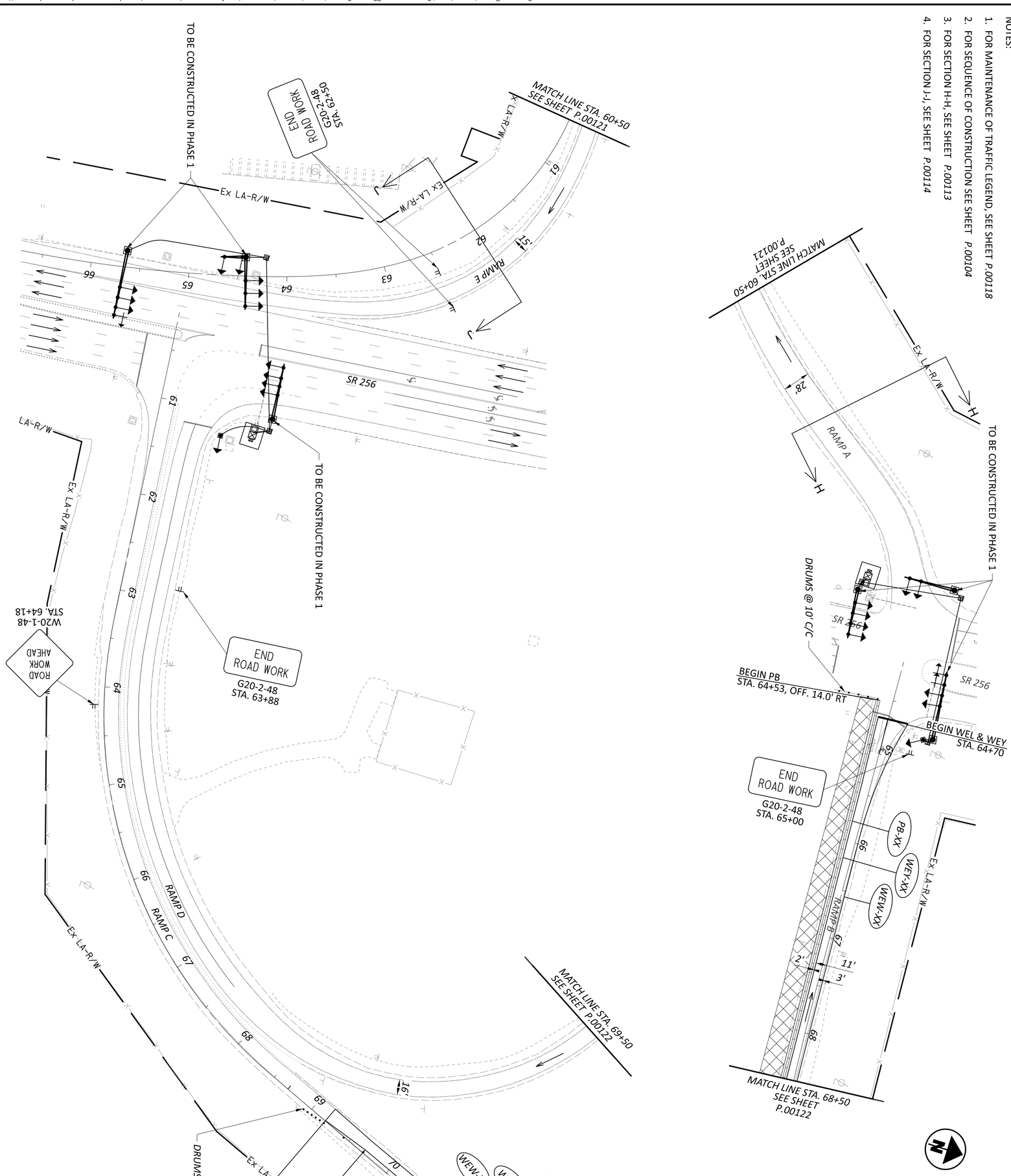
MAINTENANCE OF TRAFFIC - PHASE 1
STA. 189+00 TO END WORK

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: 96808_MP110 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:46:45 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MP111.dgn

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION SEE SHEET *P.00104*
3. FOR SECTION H-H, SEE SHEET *P.00113*
4. FOR SECTION J-J, SEE SHEET *P.00114*

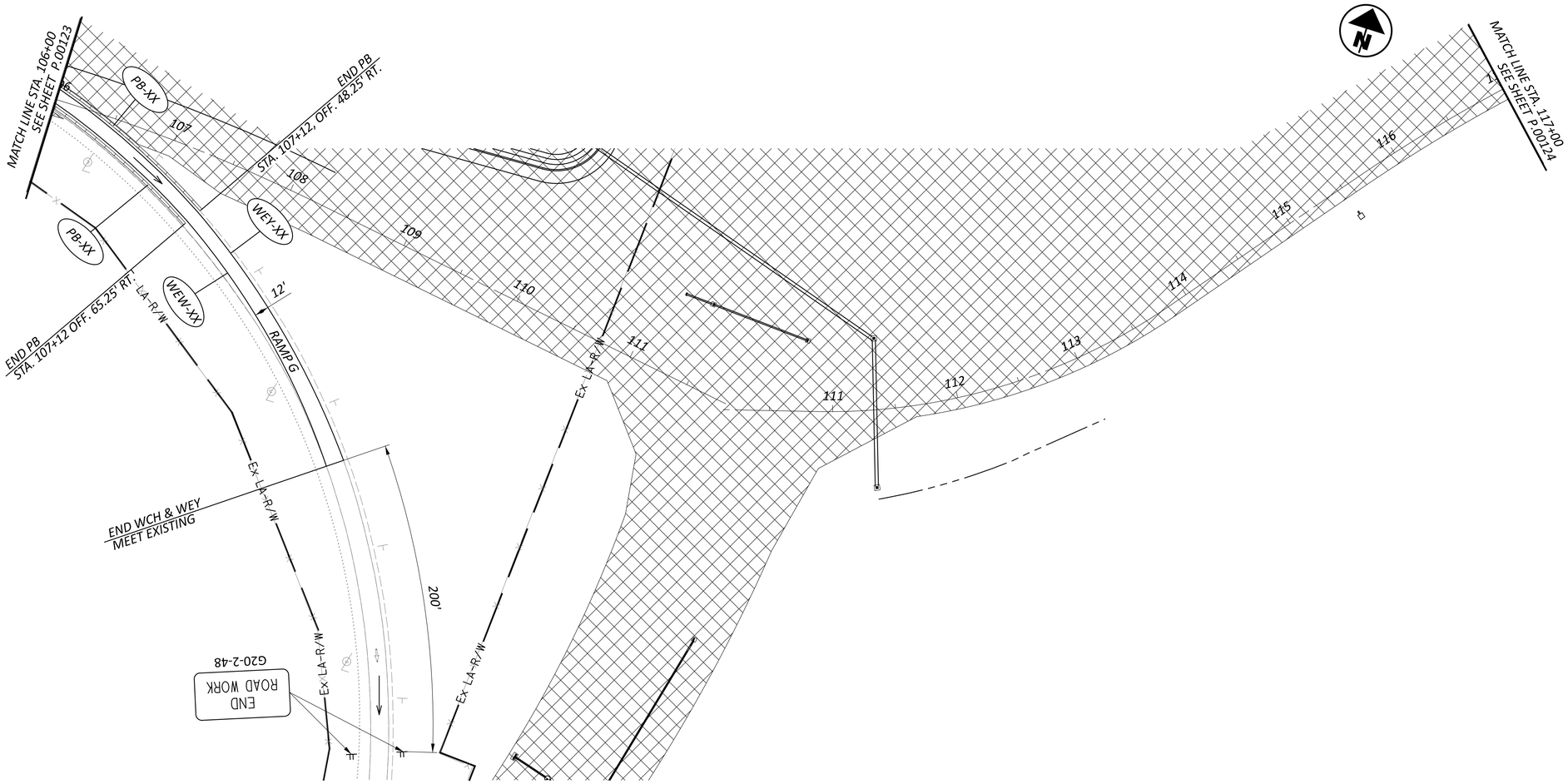


SHEET P.0128 / TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW	GANNETT FLEMING — DESIGN AGENCY	MAINTENANCE OF TRAFFIC - PHASE 1 STATE ROUTE 256 - RAMPS A, B, C, D, & E

HORIZONTAL SCALE IN FEET
0 50
25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR TAYLOR ROAD PLANS, SEE SHEET *P.0173* TO *P.0179*
3. FOR SEQUENCE OF CONSTRUCTION SEE SHEET *P.00104*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1
STATE ROUTE 256 RAMP G & J

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0129 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
BEGIN WORK TO STA. 630+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0130 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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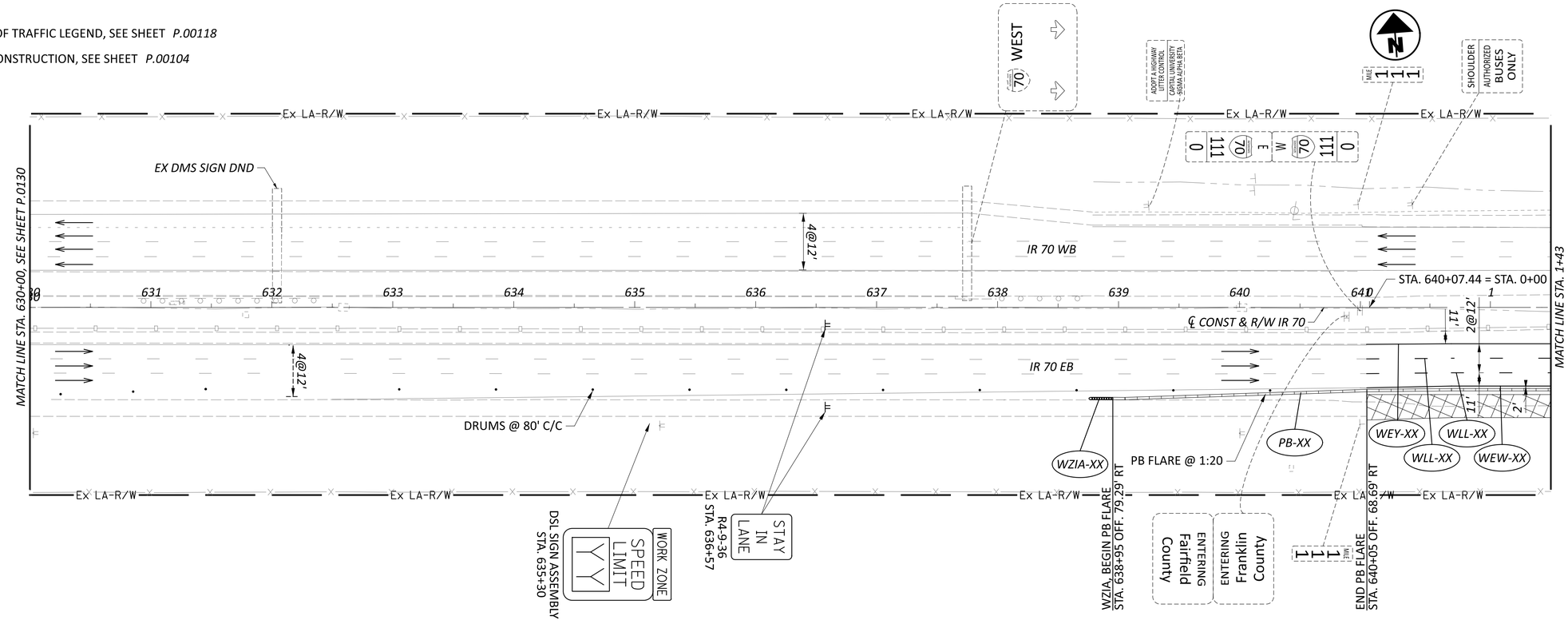
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 630+00 TO STA. 14+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0131
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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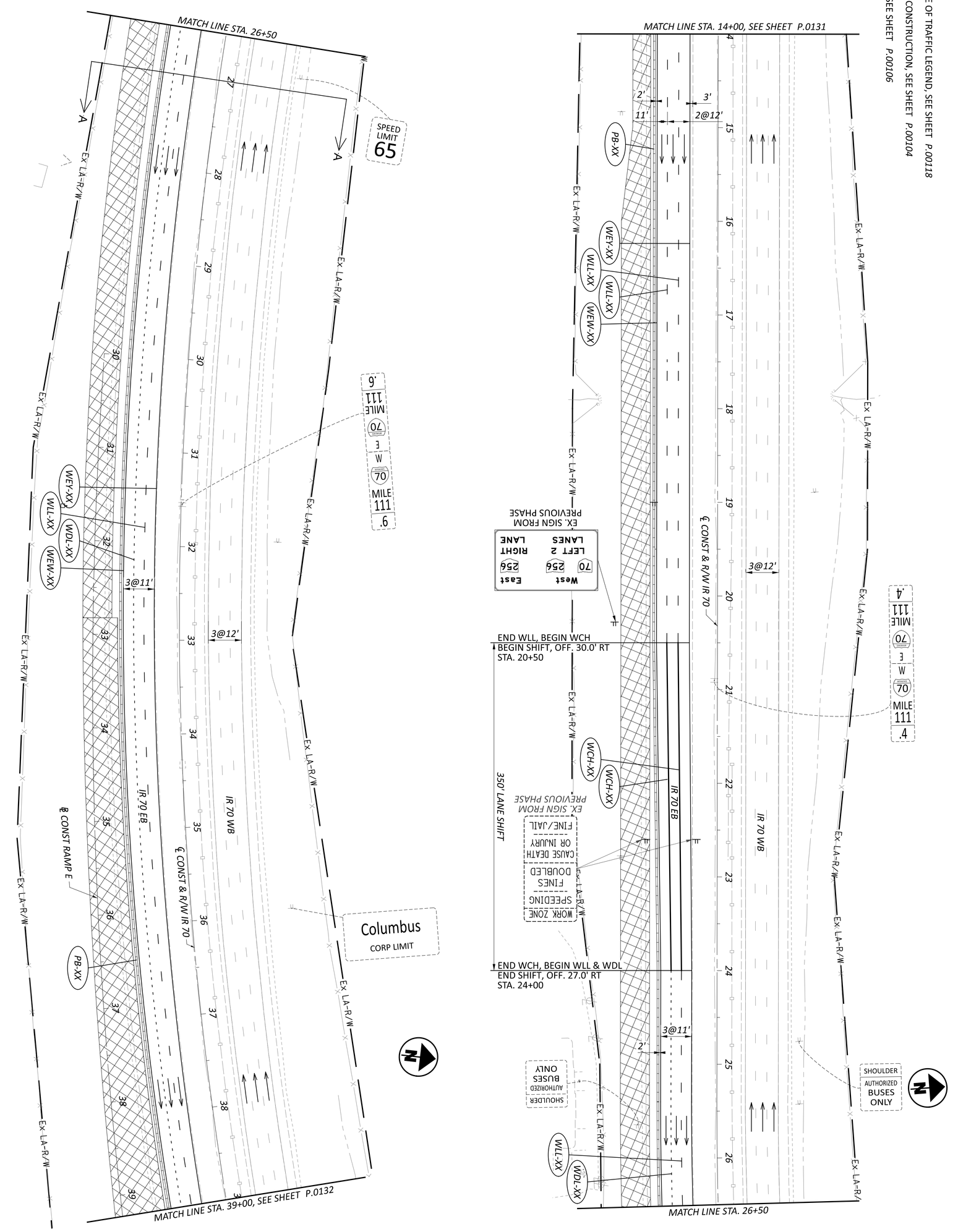
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SECTION A-A, SEE SHEET *P.00106*



MAINTENANCE OF TRAFFIC - PHASE 2
STA. 14+00 TO STA. 39+00

DESIGN AGENCY	GANNETT FLEMING
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0132
TOTAL	P.1556

HORIZONTAL SCALE IN FEET
0 50
25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SR 256 MOT PLANS, SEE SHEET *P.0140*
4. FOR SECTIONS B-B, C-C, & D-D, SEE SHEETS *P.00107* ,*P.00108* & *P.00109*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 39+00 TO STA. 64+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0133
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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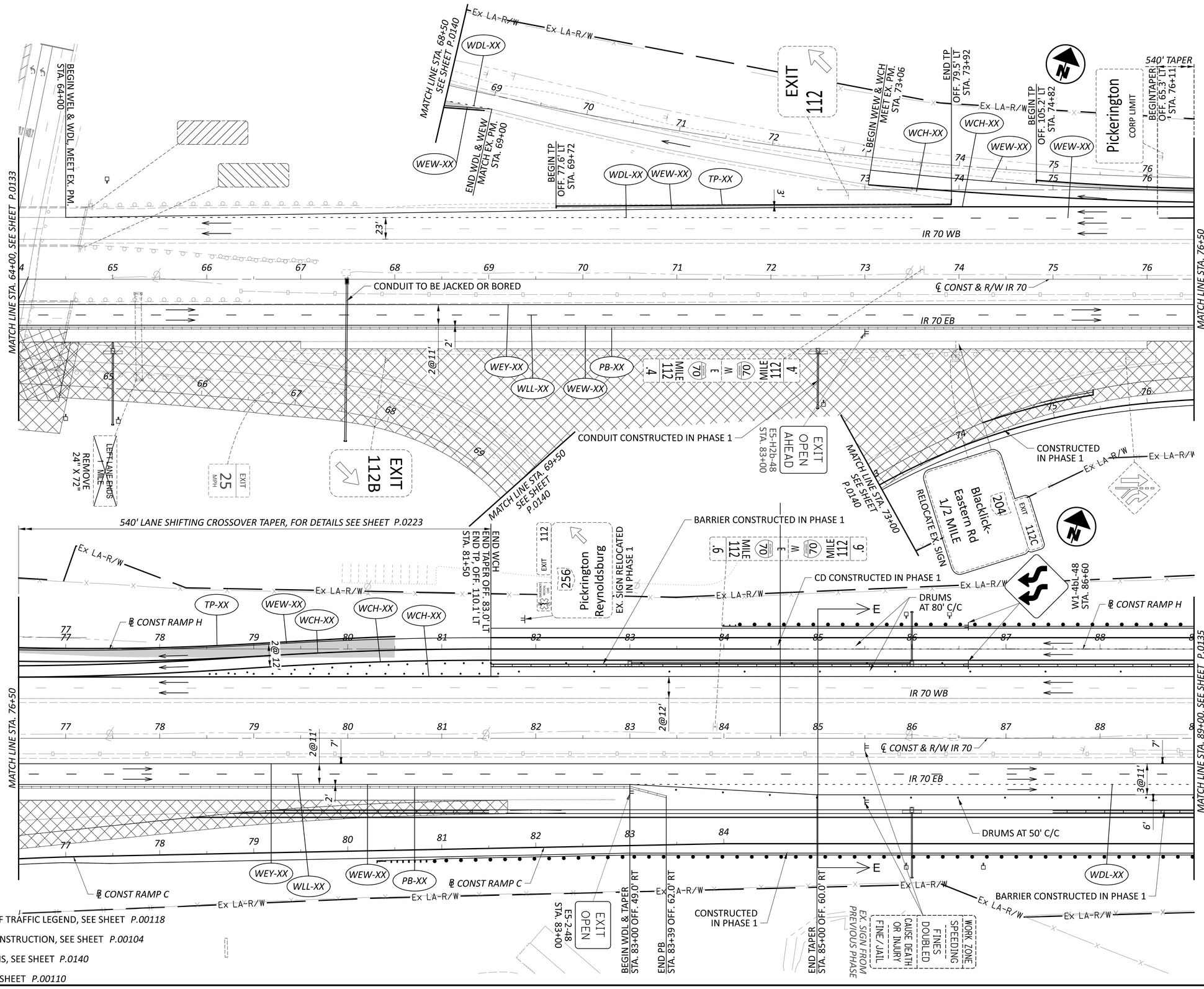

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SR 256 MOT PLANS, SEE SHEET *P.0140*
4. FOR SECTION E-E, SEE SHEET *P.00110*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 64+00 TO STA. 89+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0134 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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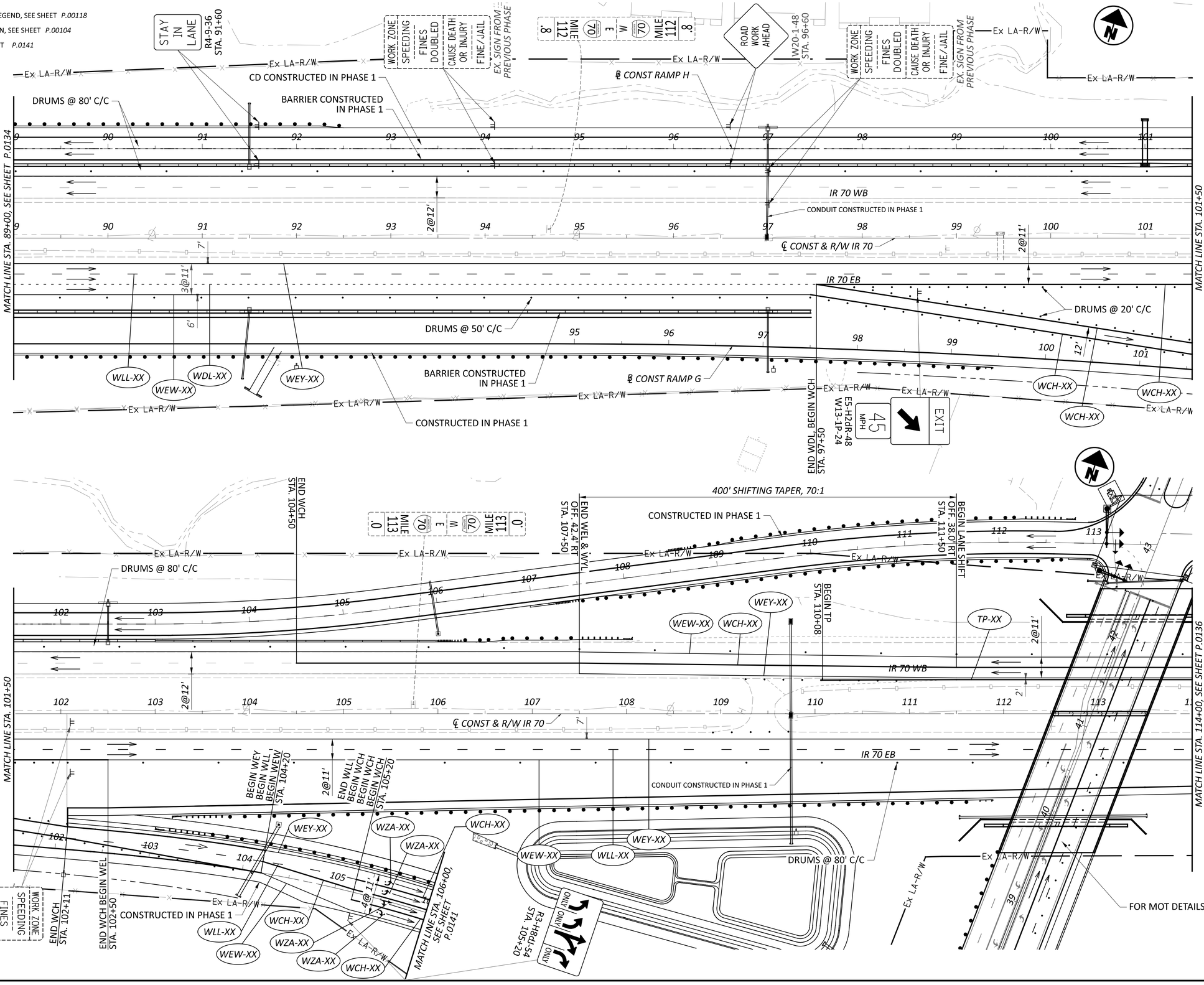
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SR 256 MOT PLANS, SEE SHEET *P.0141*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 89+00 TO STA. 114+00

DESIGN AGENCY	GANNETT FLEMING
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0135
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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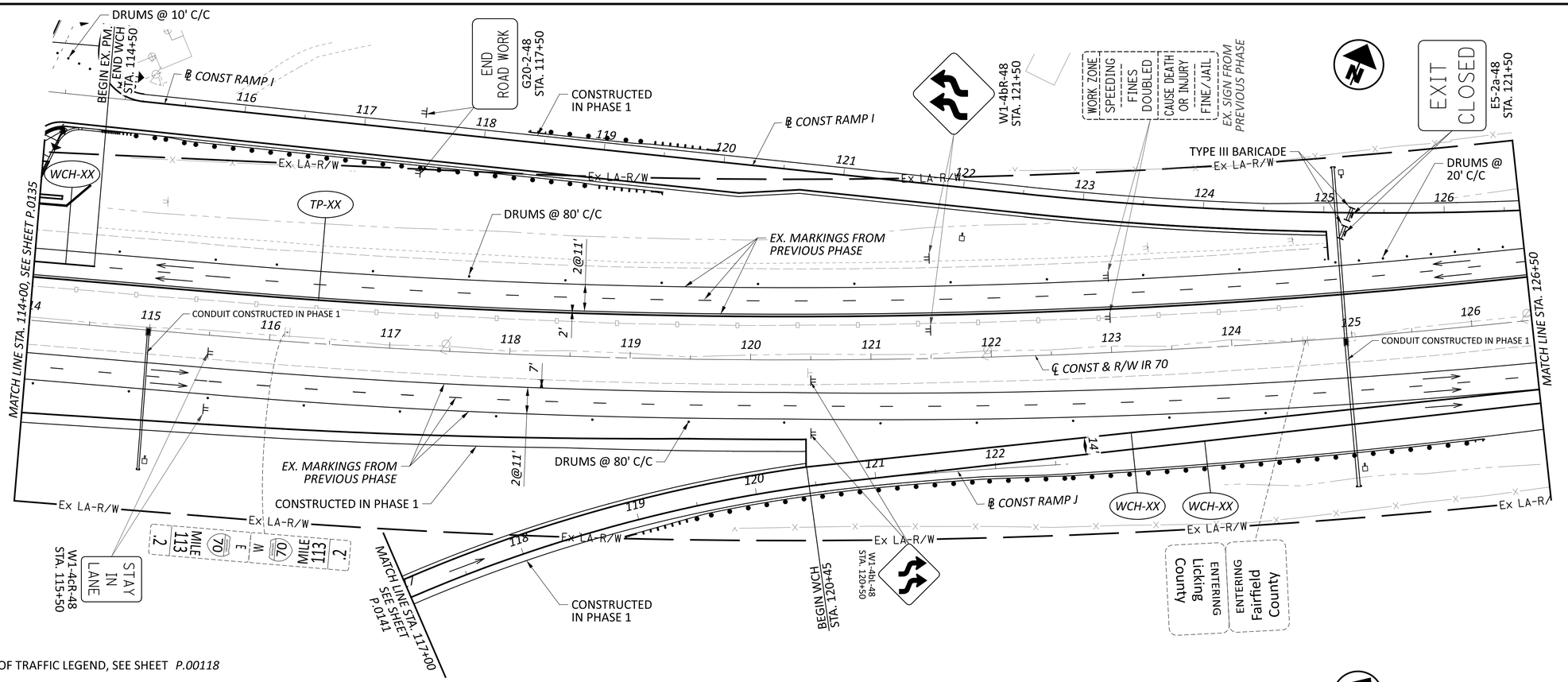
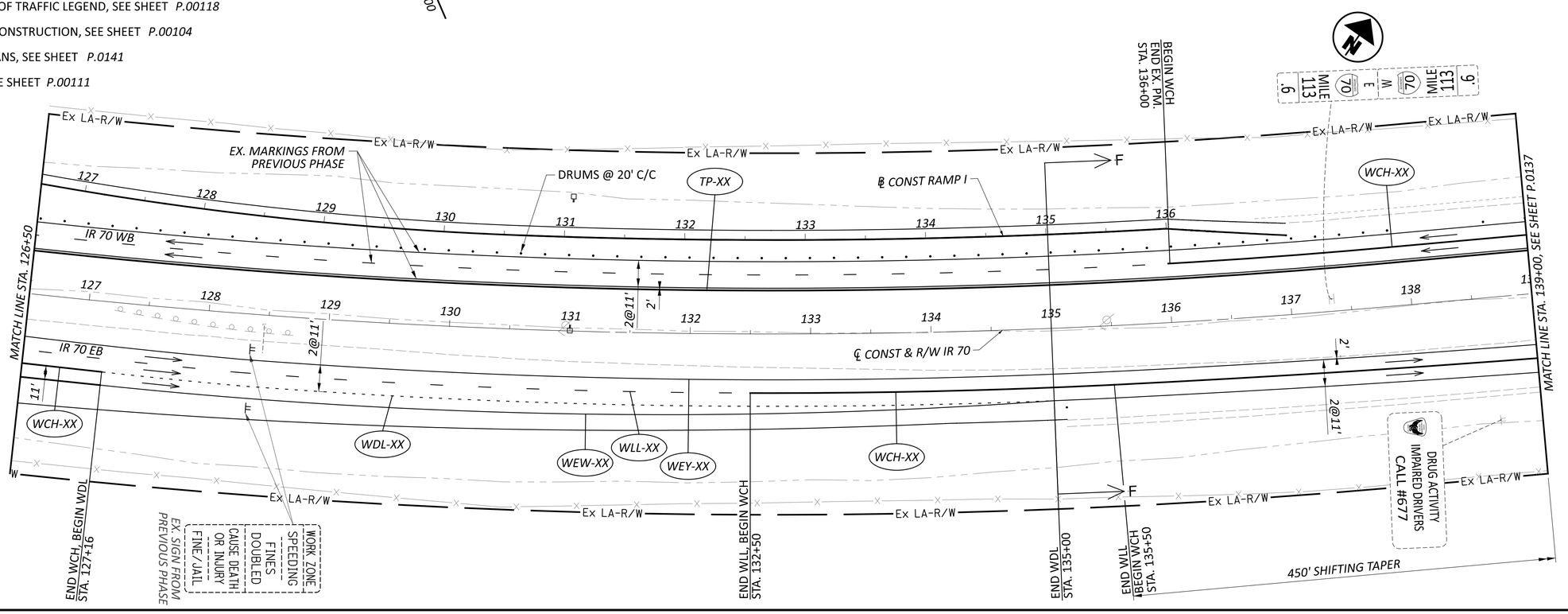


NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SR 256 MOT PLANS, SEE SHEET *P.0141*
4. FOR SECTION F-F, SEE SHEET *P.00111*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 114+00 TO STA. 139+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0136 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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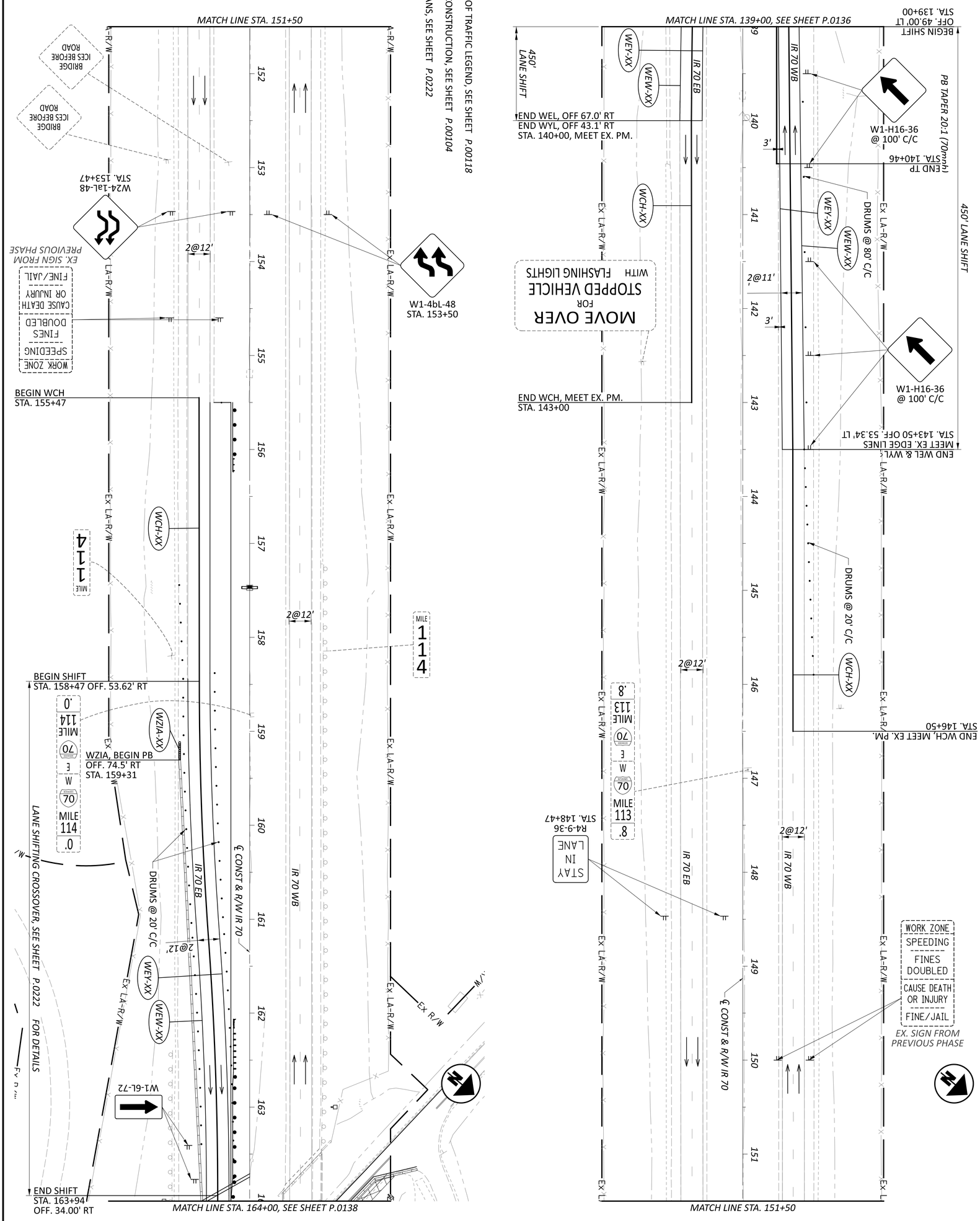
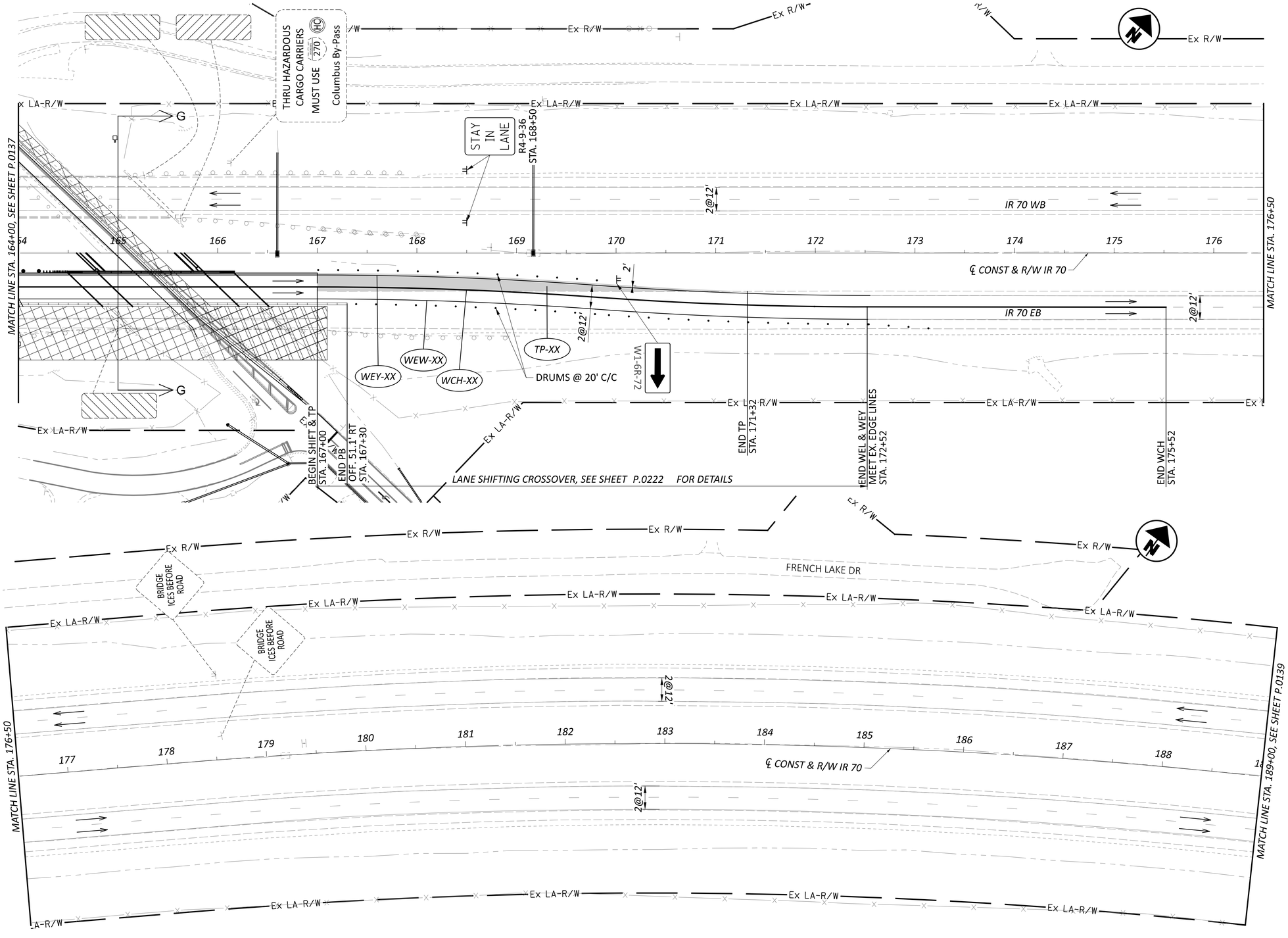
NOTES:
1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET P.00118
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET P.00104
3. FOR CROSSOVER PLANS, SEE SHEET P.0222



SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0137	P.1556	96808	DRJ 04/25/25	TCW	GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 139+00 TO STA. 164+00

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR CROSSOVER PLANS, SEE SHEET *P.0222*
4. FOR SECTION G-G, SEE SHEET *P.00112*

HORIZONTAL SCALE IN FEET 0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 164+00 TO STA. 189+00

DESIGN AGENCY: GANNETT FLEMING

DESIGNER: TCW

REVIEWER: DRJ 04/25/25

PROJECT ID: 96808

SHEET: P.0138 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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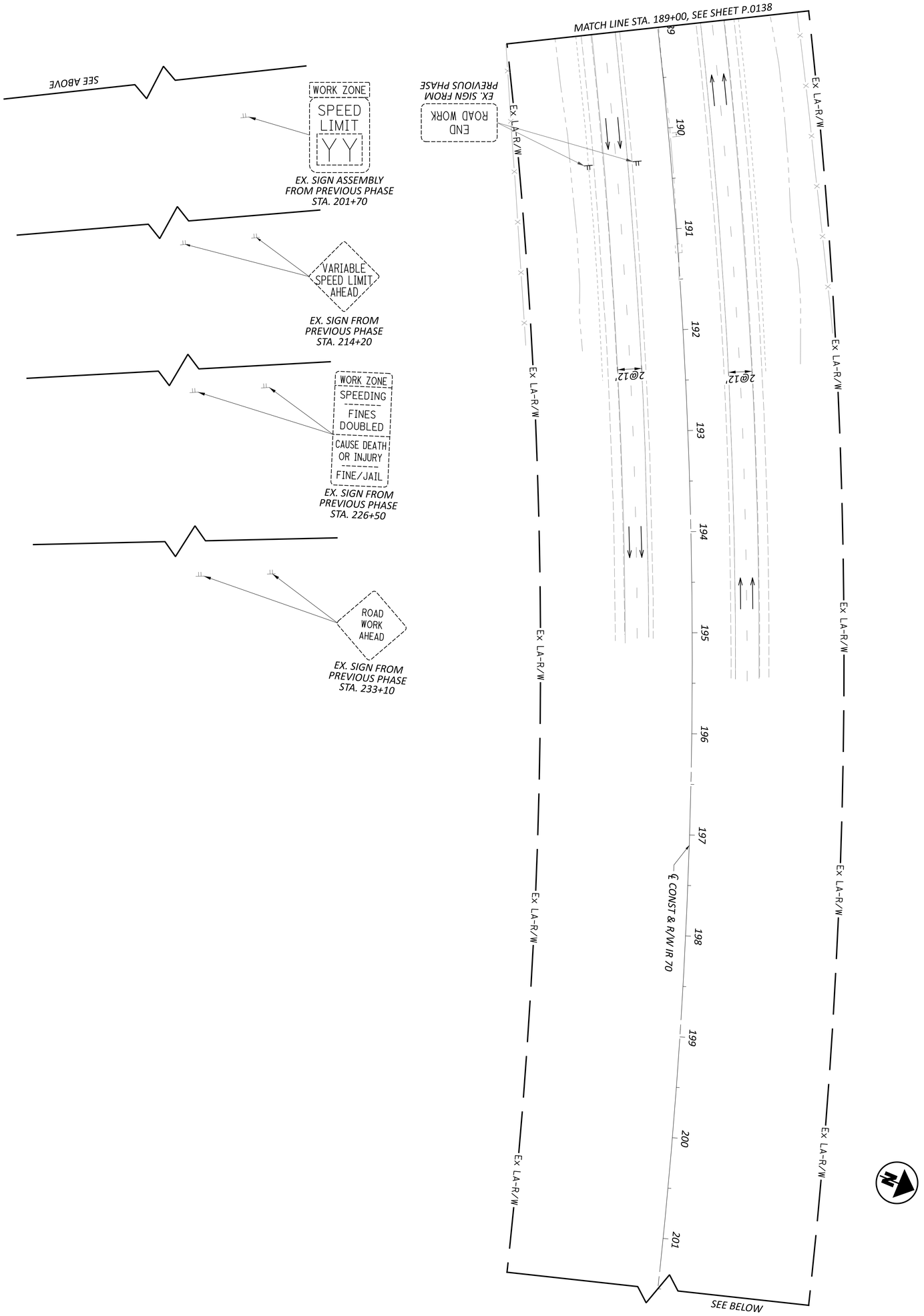


SHEET	TOTAL
P.0139	P.1556

PROJECT ID: 96808

REVIEWER: DRJ 04/25/25

DESIGNER: TCW

DESIGN AGENCY: GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 2
STA. 189+00 TO END WORK

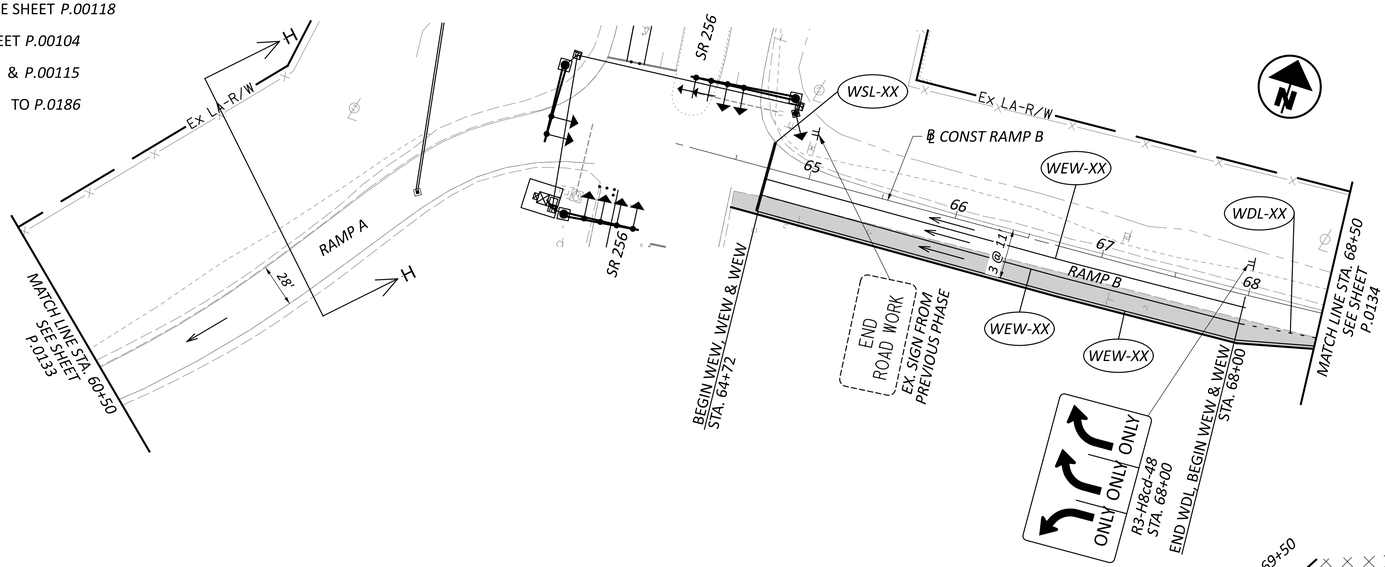
HORIZONTAL SCALE IN FEET

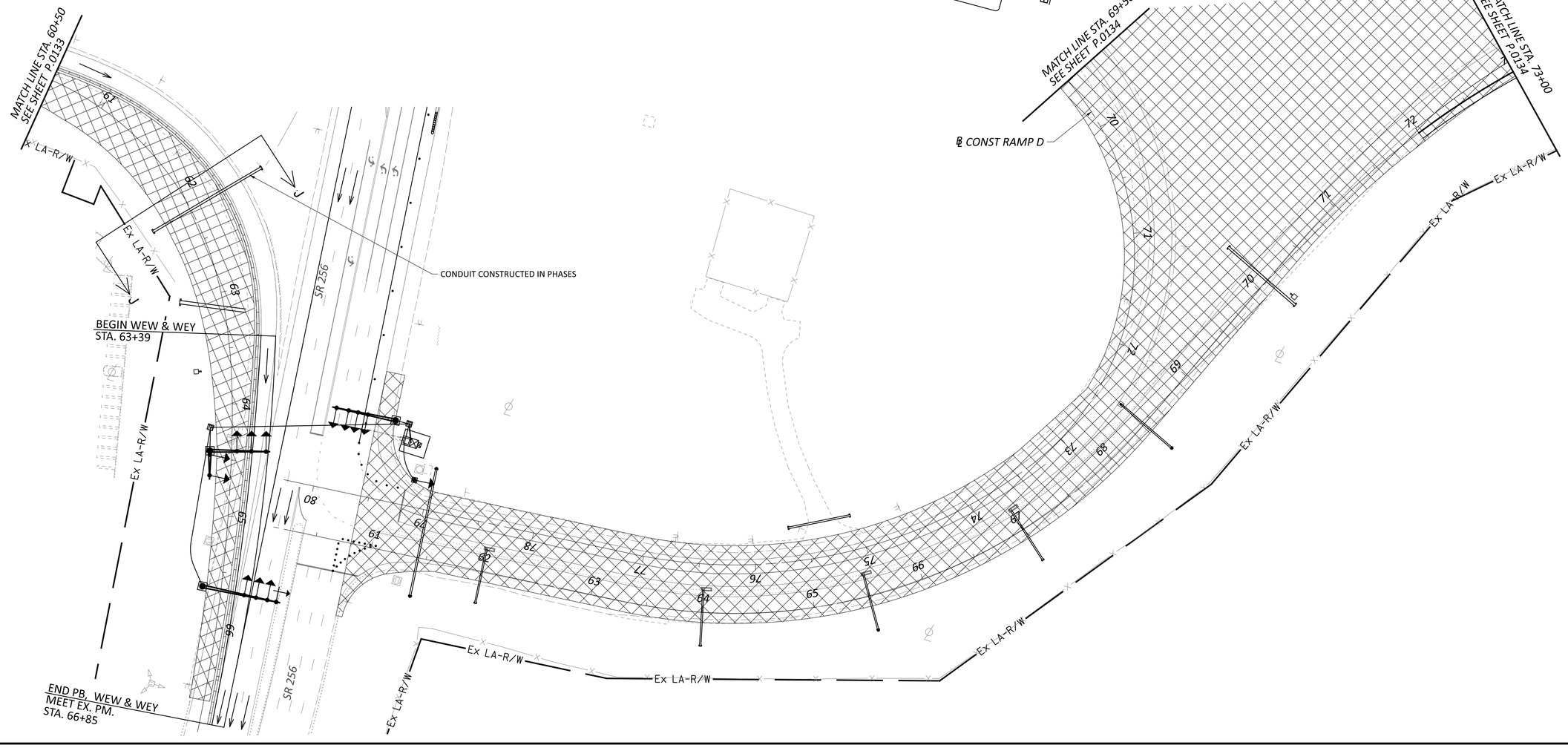
0 50

25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SECTION H-H & J-J, SEE SHEETS *P.00113* & *P.00115*
4. FOR SR 256 MOT PLANS, SEE SHEETS *P.0183* TO *P.0186*
5. FOR RAMP C DETOUR, SEE SHEET *P.0256*
6. FOR RAMP D DETOUR, SEE SHEET *P.0257*





HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
RAMPS A, B, C, D, AND E

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0140
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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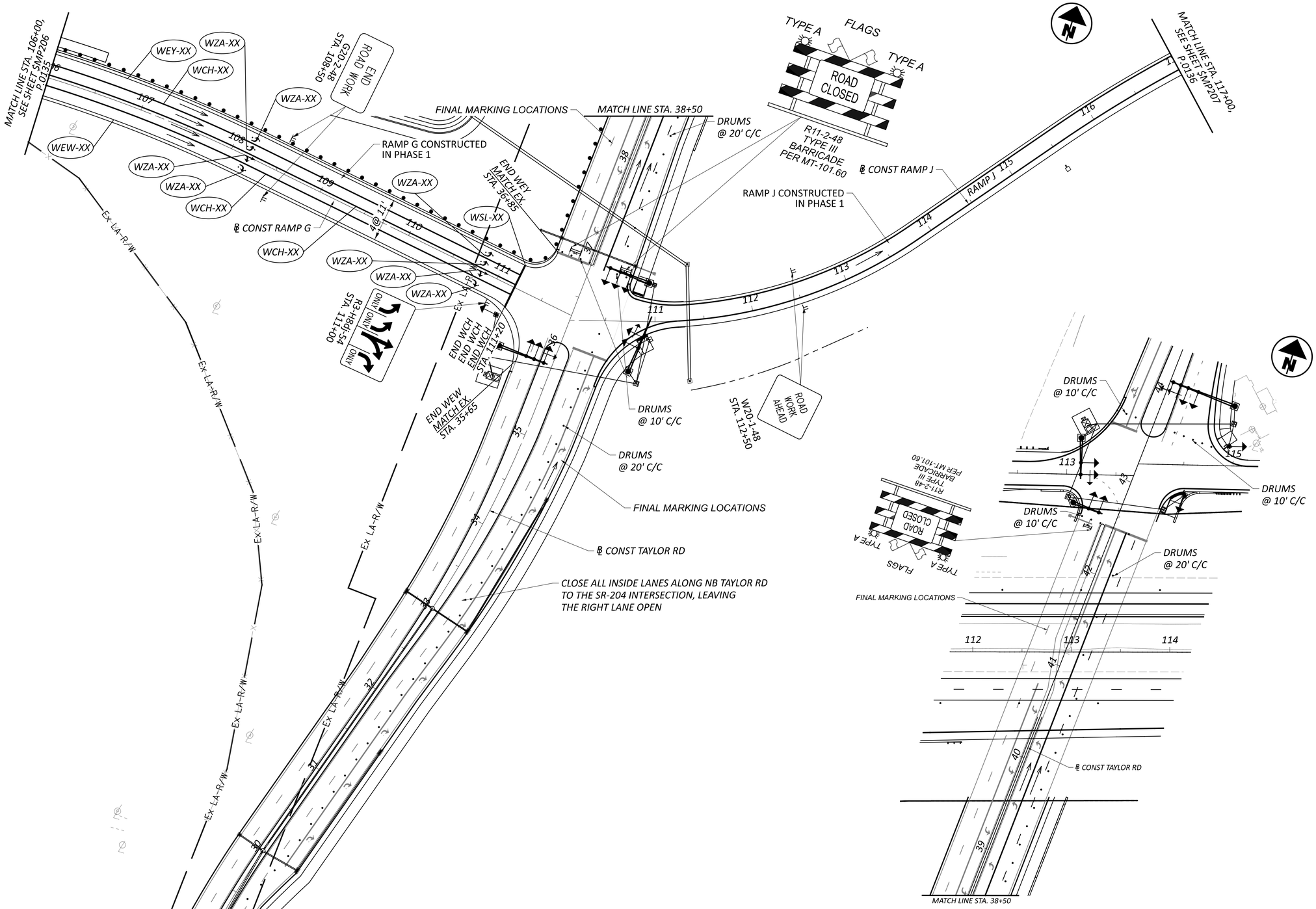

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR TAYLOR ROAD MOT PLANS, SEE SHEET *P.0174*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
STATE ROUTE 256 - RAMP G & J

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0141 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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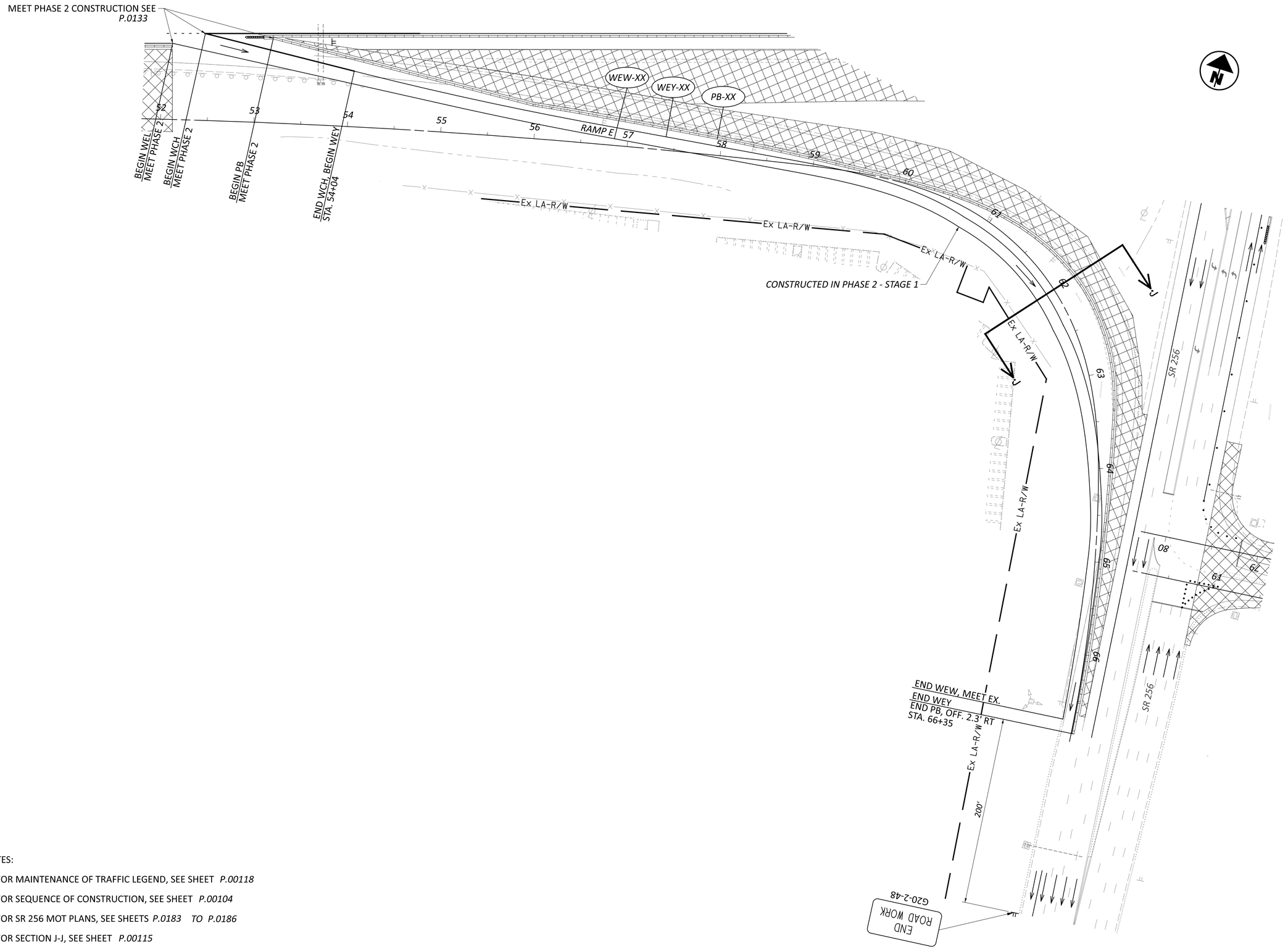

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SR 256 MOT PLANS, SEE SHEETS *P.0183* *TO* *P.0186*
4. FOR SECTION J-J, SEE SHEET *P.00115*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2
RAMP E - STAGE 2

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0142 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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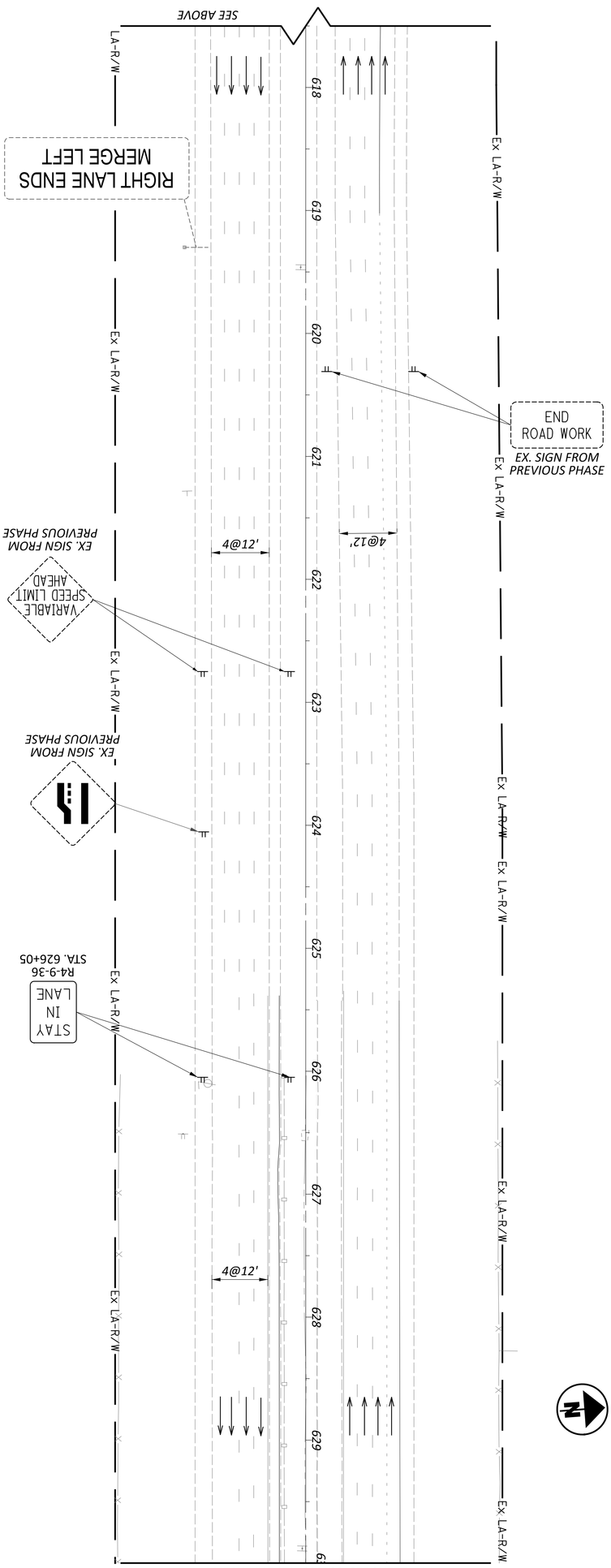
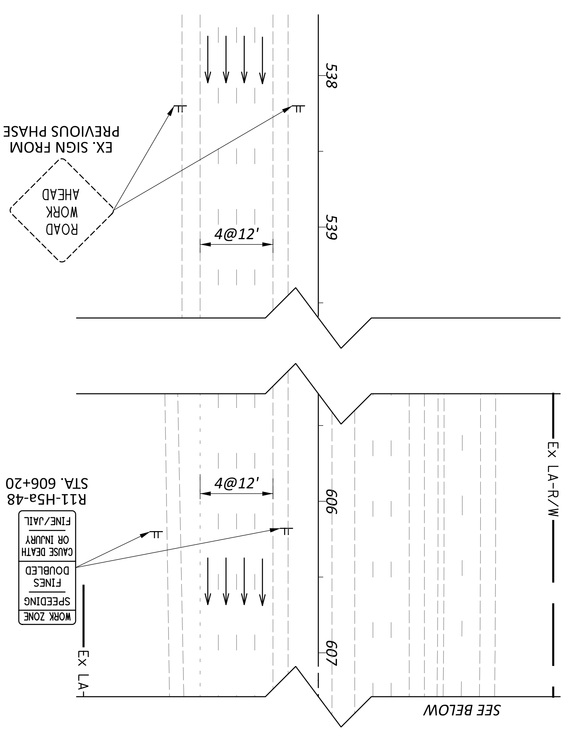
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*





SHEET	TOTAL
P.0143	P.1556

PROJECT ID: 96808

REVIEWER: DRJ 04/25/25

DESIGNER: TCW

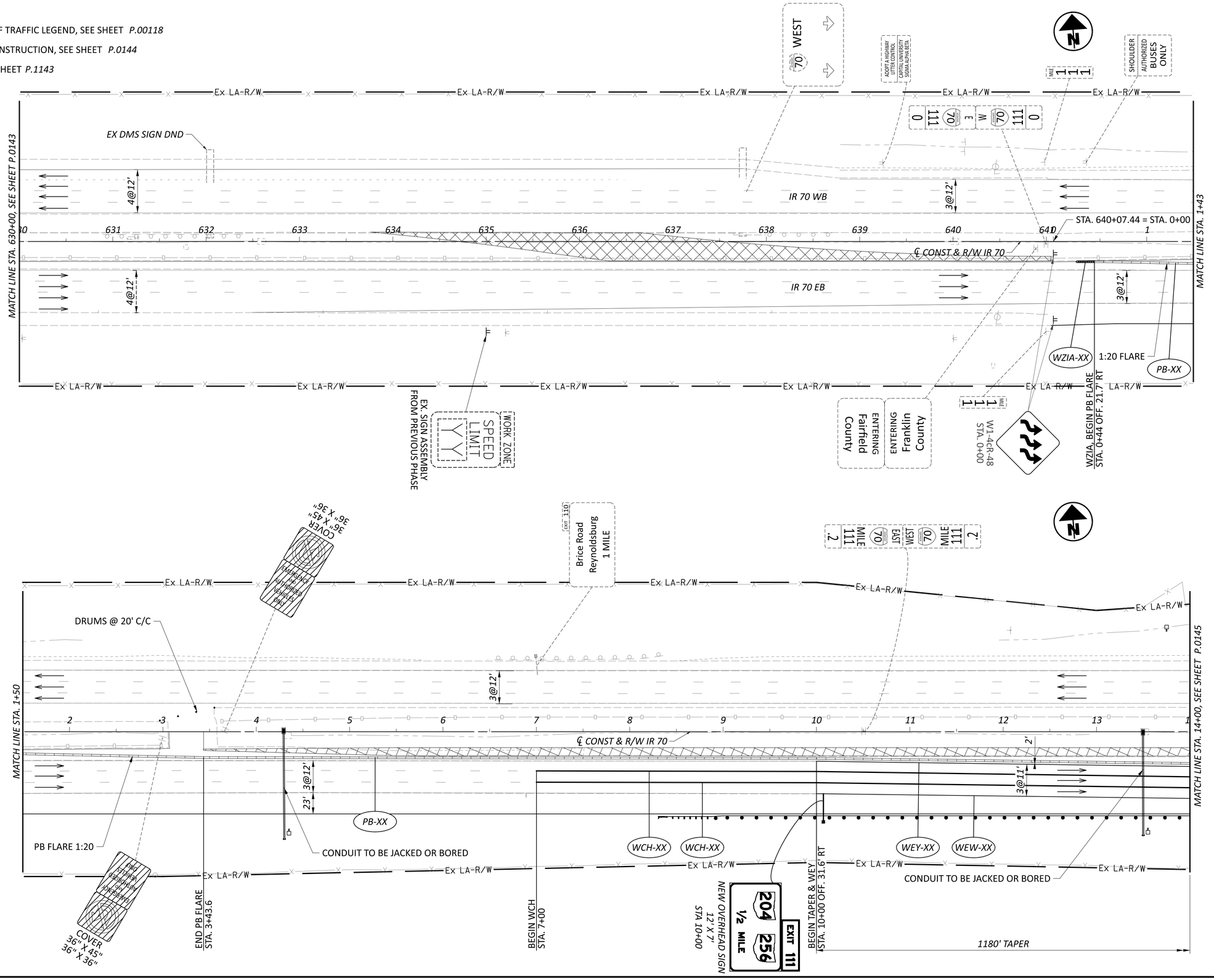
DESIGN AGENCY: GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 3
BEGIN WORK TO STA. 630+00

HORIZONTAL SCALE IN FEET
0 50
25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.0144*
3. FOR NEW SIGNS, SEE SHEET *P.1143*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 630+00 TO STA. 14+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0144
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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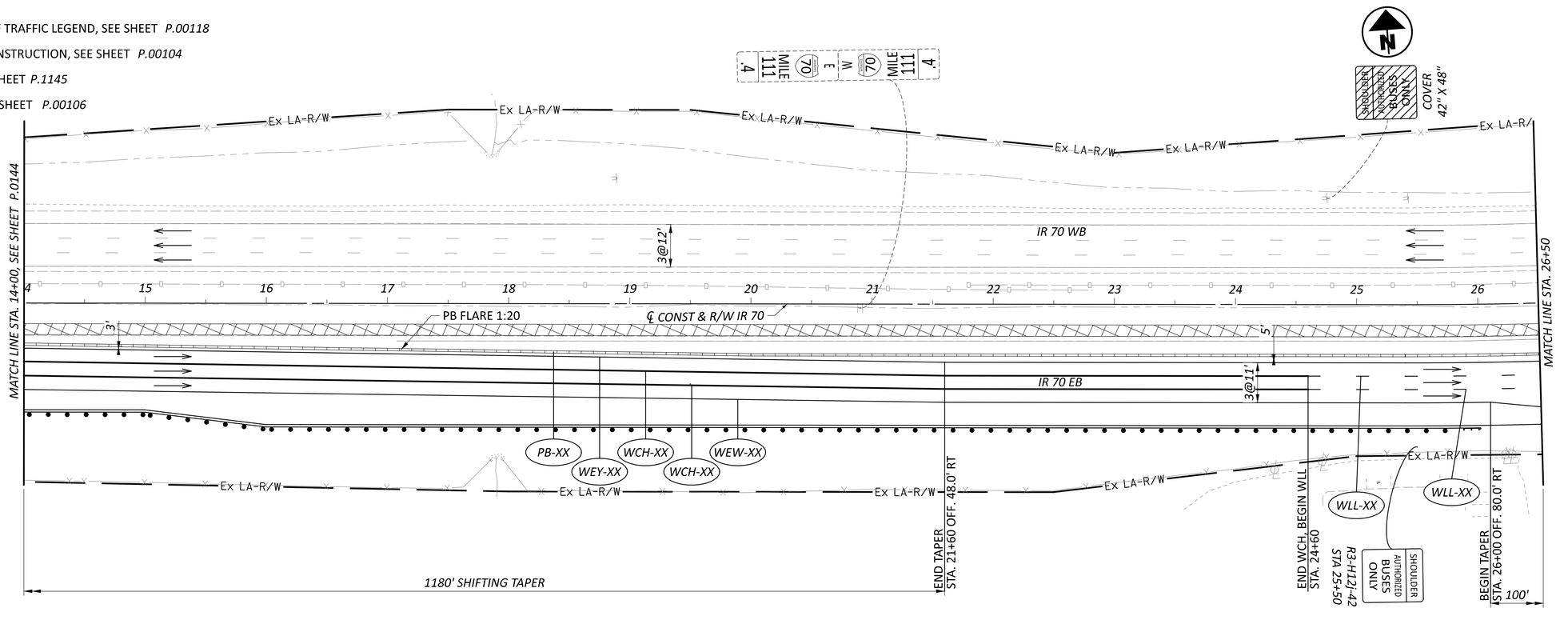
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR NEW SIGNS, SEE SHEET *P.1145*
4. FOR SECTION A-A, SEE SHEET *P.00106*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 14+00 TO STA. 39+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0145
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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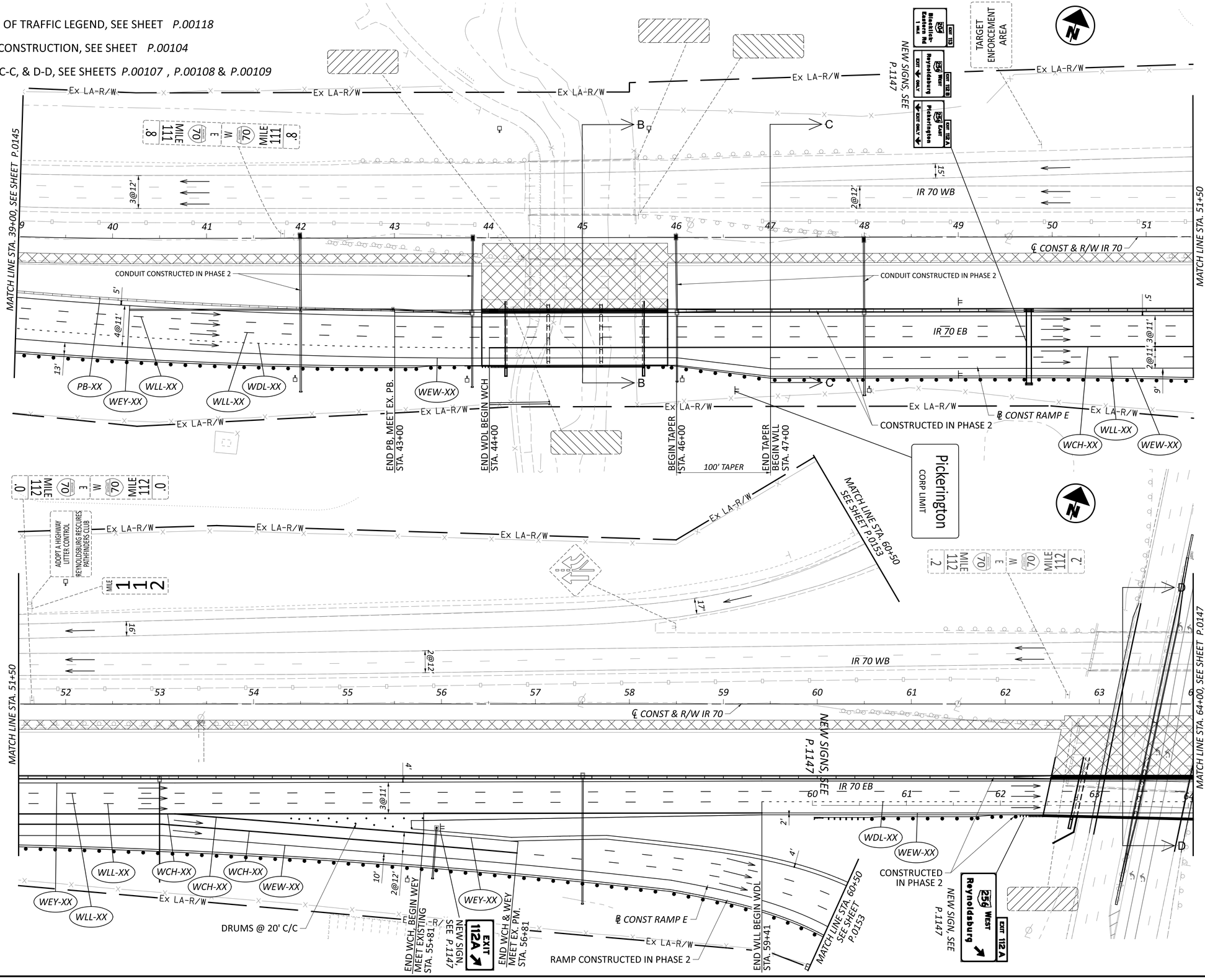
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR SECTIONS B-B, C-C, & D-D, SEE SHEETS *P.00107* , *P.00108* & *P.00109*
3. FOR NEW SIGNS, SEE SHEET *P.1147*



MAINTENANCE OF TRAFFIC - PHASE 3
STA. 39+00 TO STA. 64+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0146 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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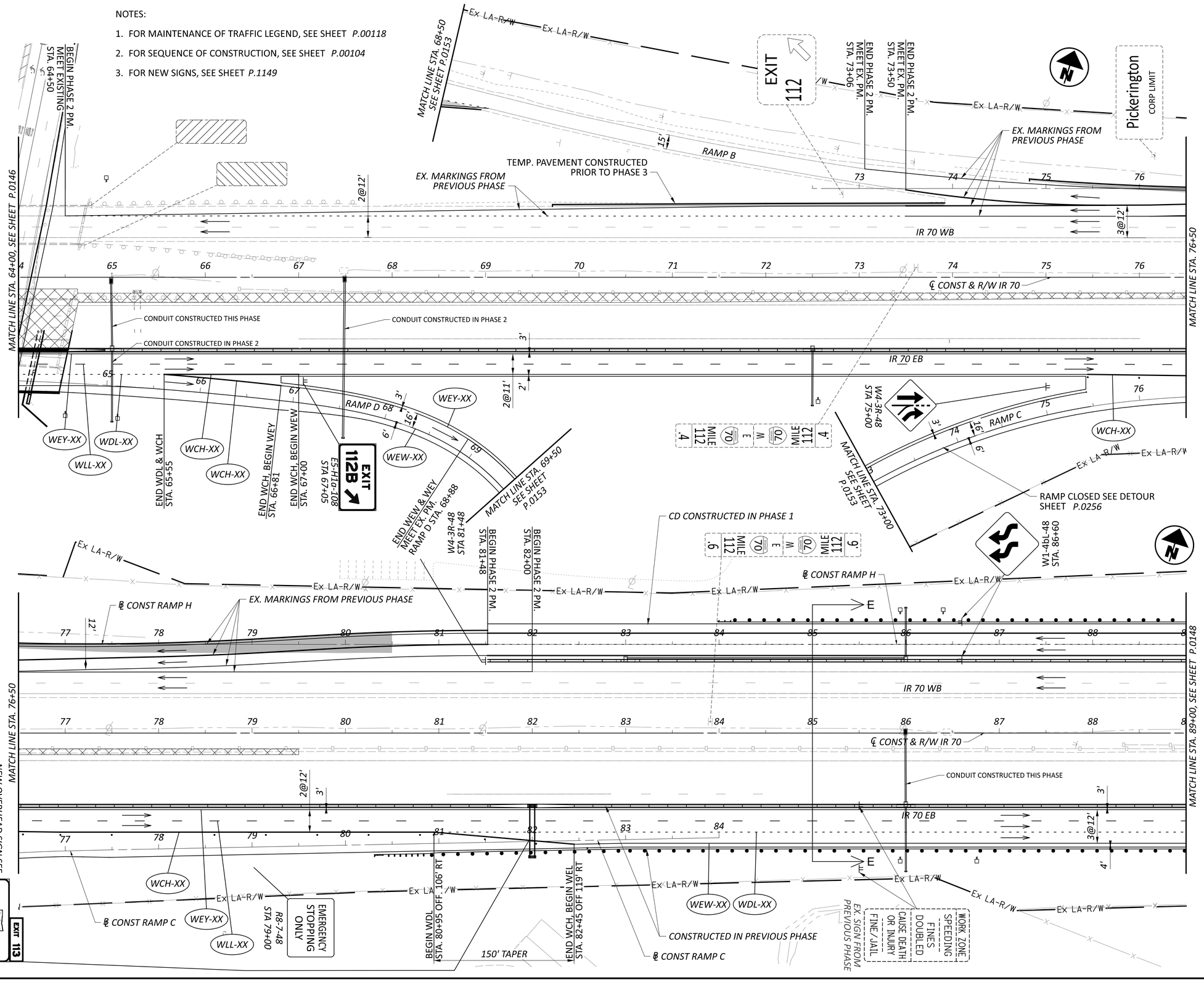
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR NEW SIGNS, SEE SHEET *P.1149*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 64+00 TO STA. 89+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0147 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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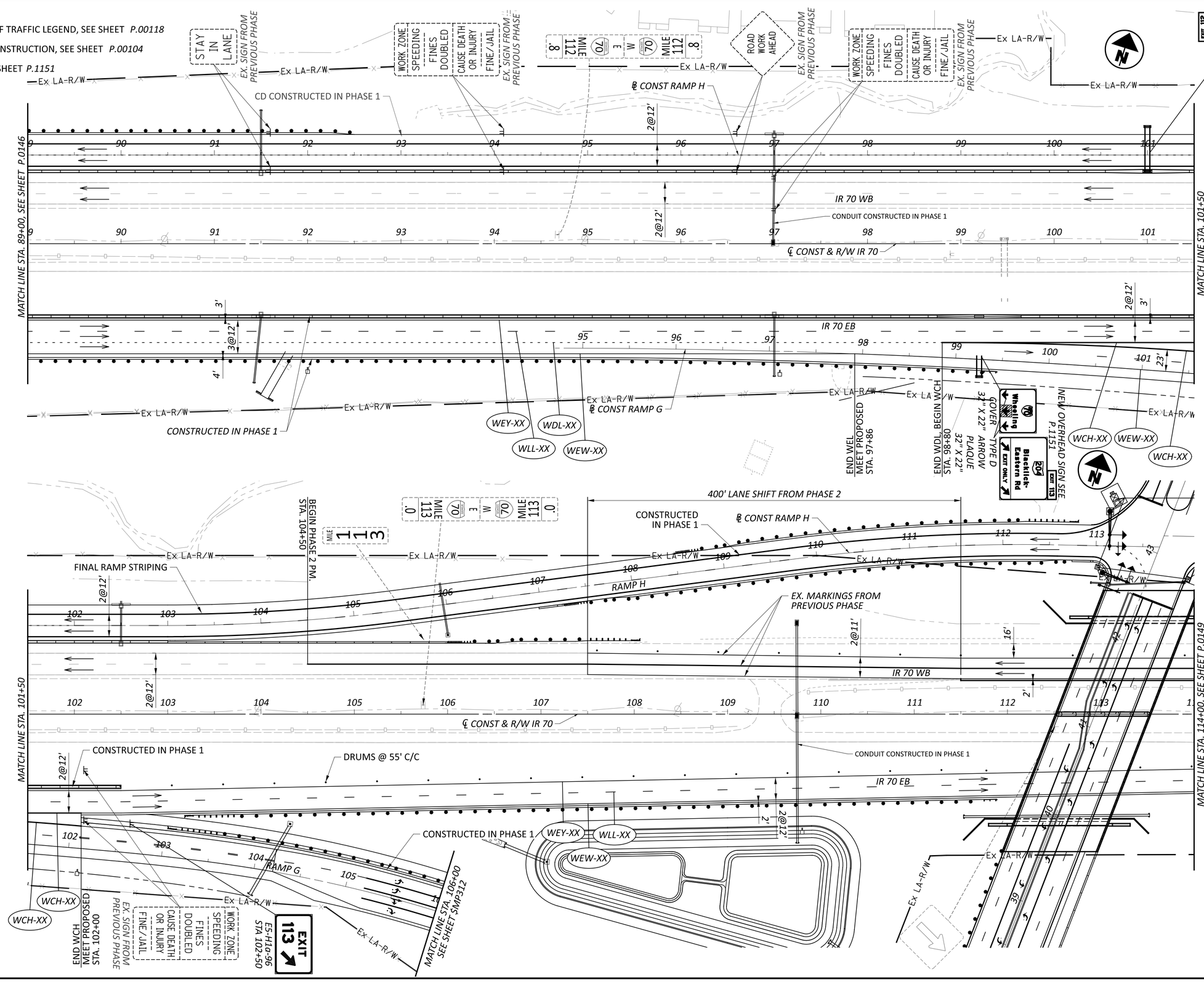
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR NEW SIGNS, SEE SHEET *P.1151*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 89+00 TO STA. 114+00

DESIGN AGENCY	GANNETT FLEMING
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0148
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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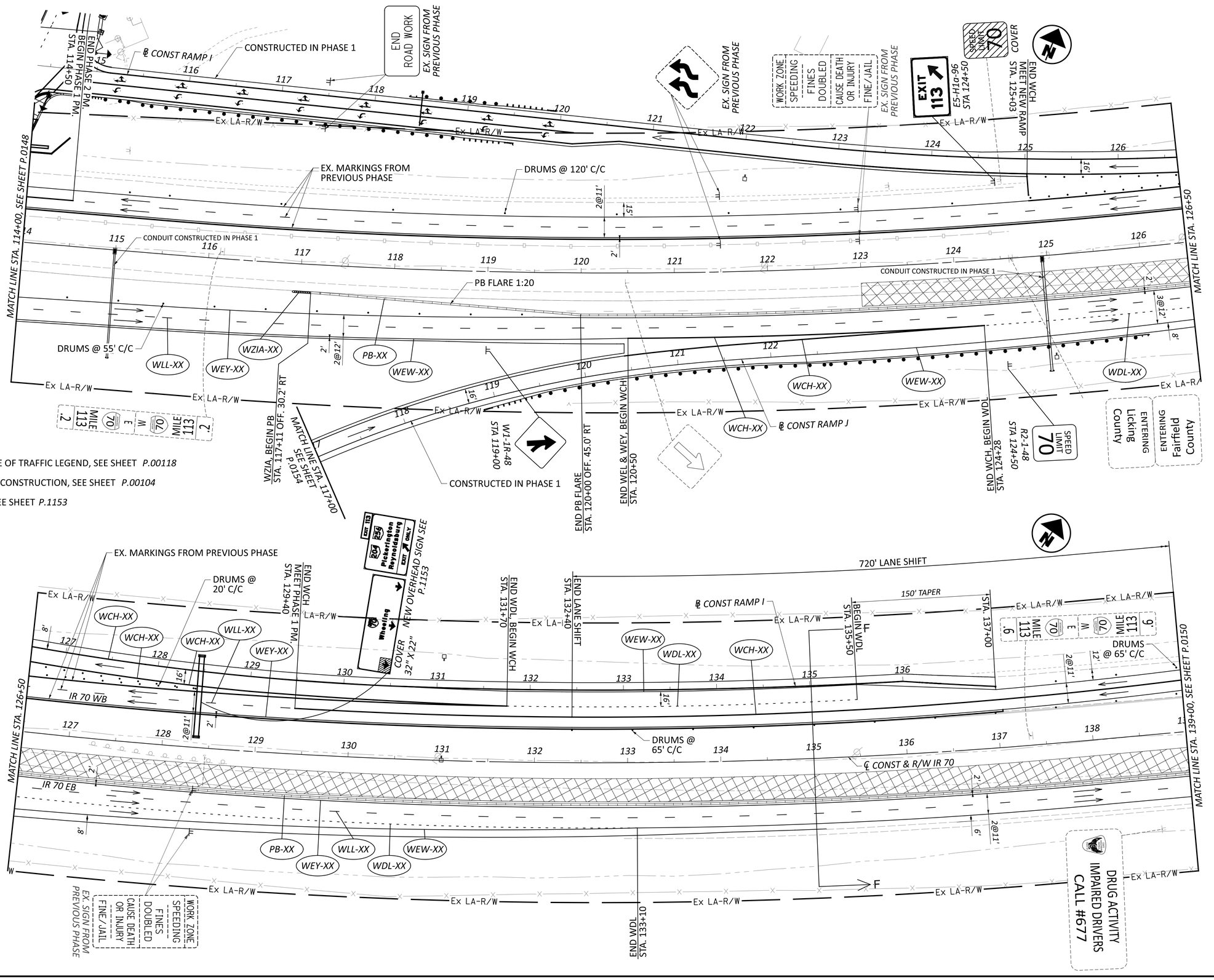

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*
3. FOR NEW SIGNS, SEE SHEET *P.1153*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 114+00 TO STA. 139+00

DESIGN AGENCY	GANNETT FLEMING
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0149
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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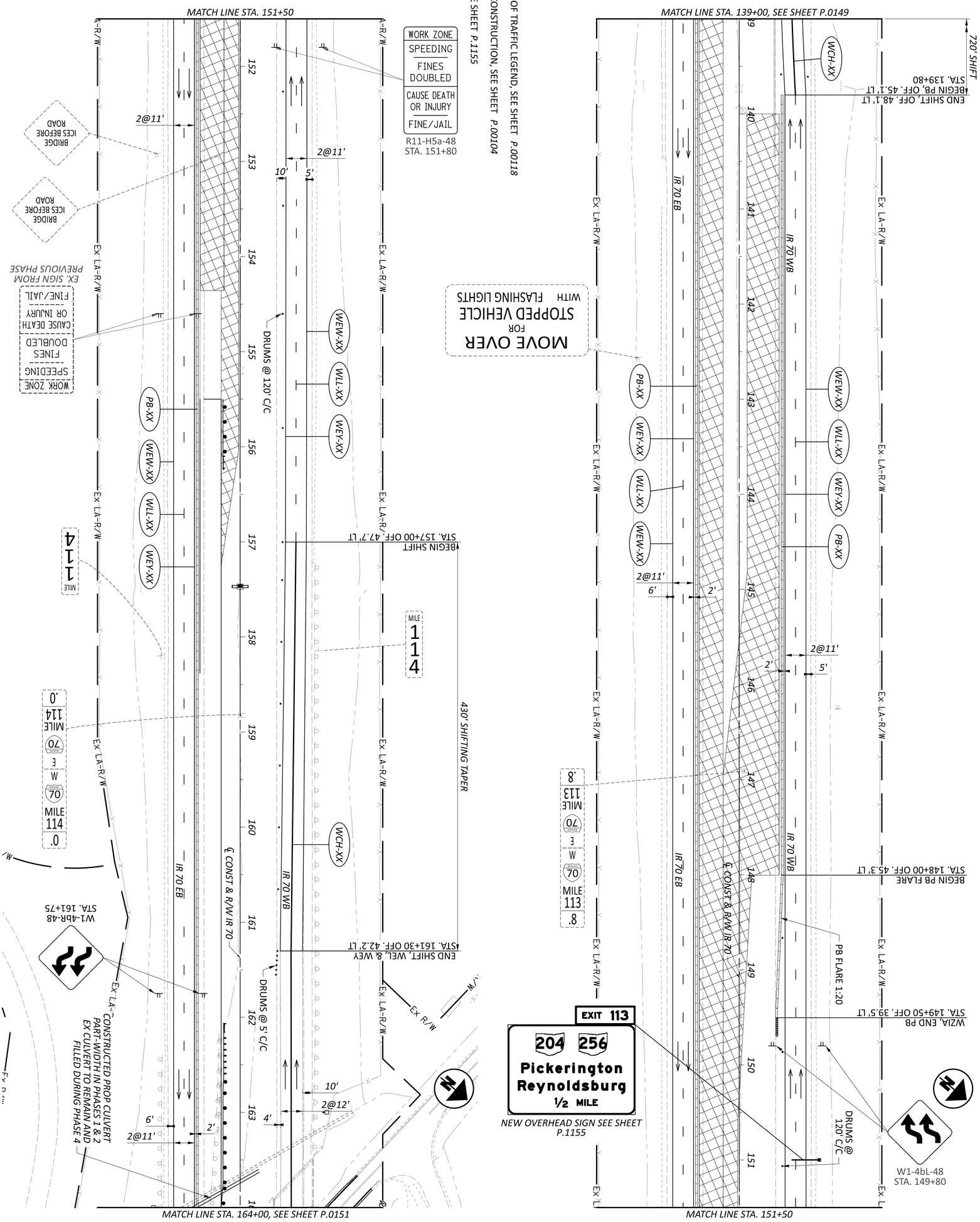
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET P.00118
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET P.00104
3. FOR NEW SIGNS, SEE SHEET P.1155

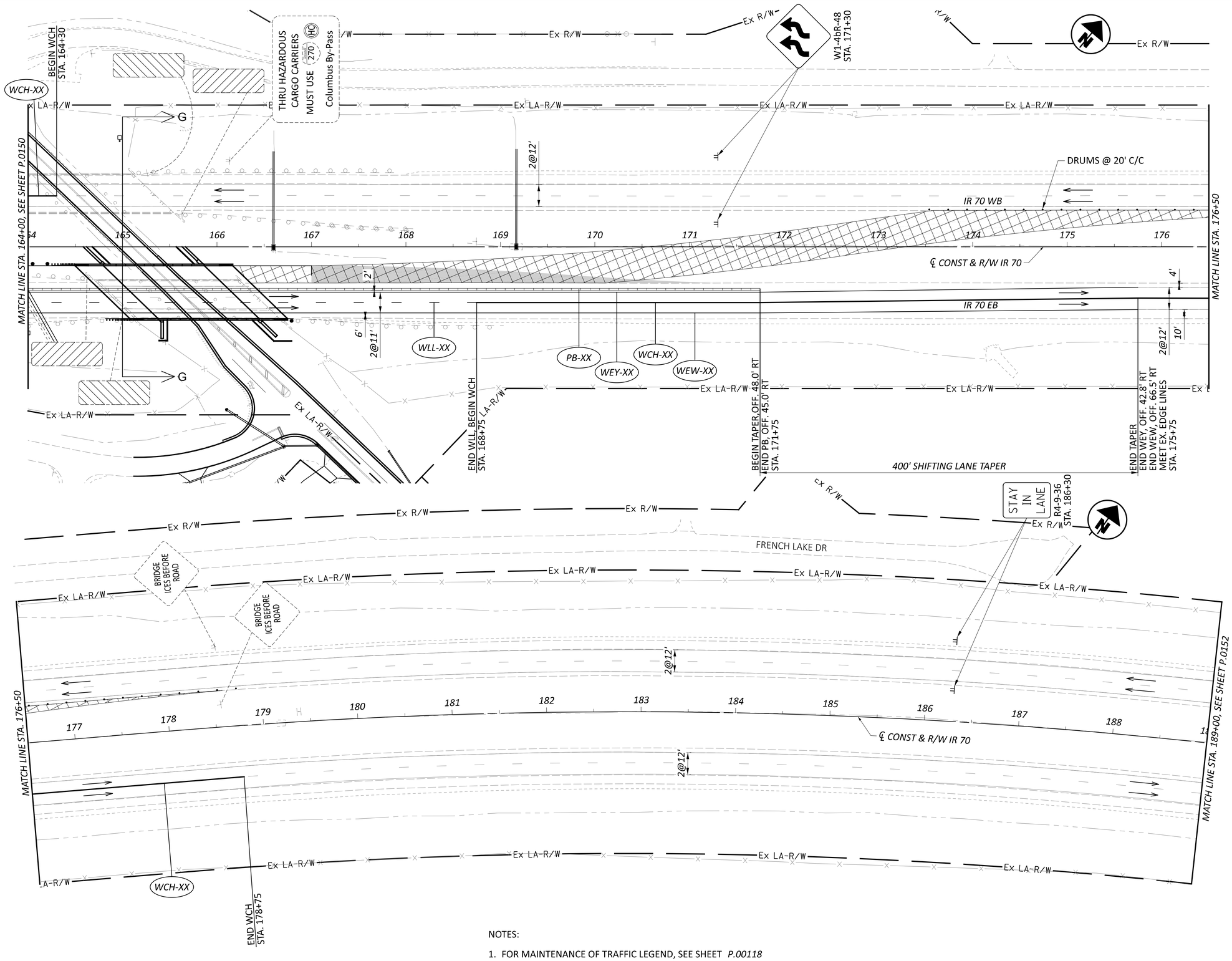


SHEET P.0150	TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW
DESIGN AGENCY GANNETT FLEMING				

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 139+00 TO STA. 164+00

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 164+00 TO STA. 189+00



NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*

HORIZONTAL SCALE IN FEET
0 25 50 100

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0151 TOTAL P.1556

FAI/LIC-IR 70-00.00/0.00

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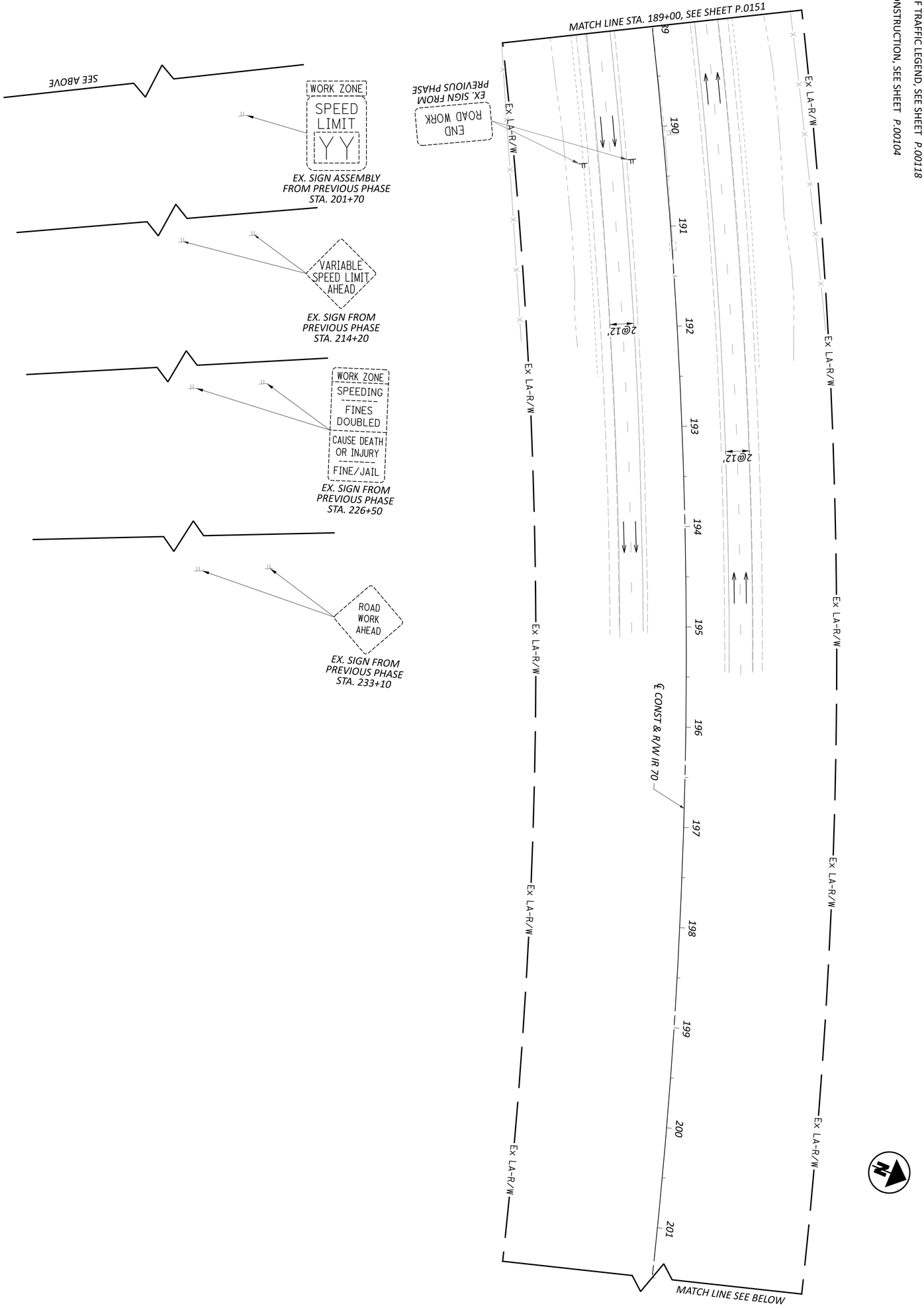
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*



SHEET	TOTAL
P.0152	P.1556

PROJECT ID: 96808

REVIEWER: DRJ 04/25/25

DESIGNER: TCW

DESIGN AGENCY: GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 3
STA. 189+00 TO END WORK

HORIZONTAL SCALE IN FEET

0 50
25 100

MODEL: 96808_MP310 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:56:02 PM USER: brieder
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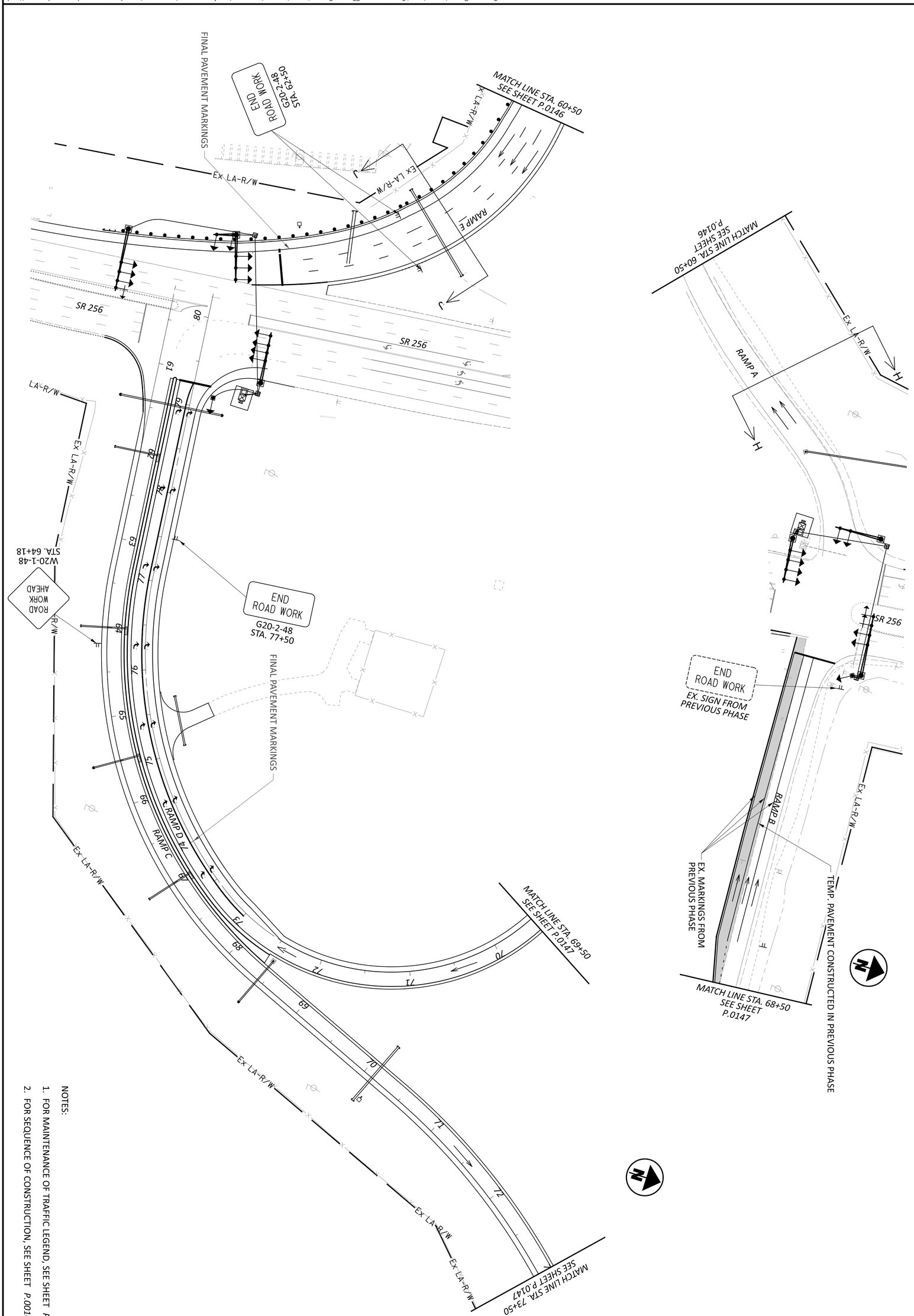


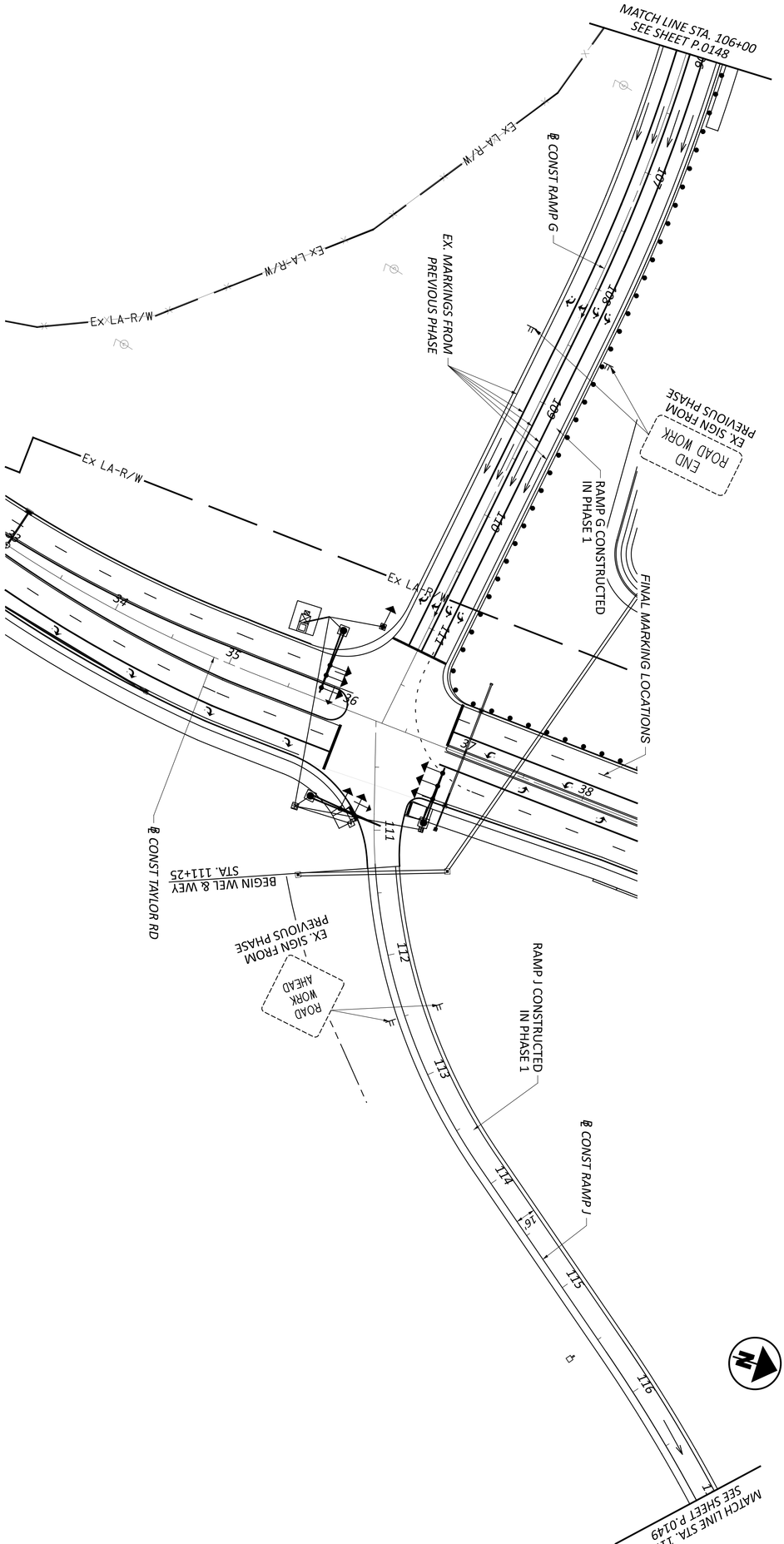
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0153	P.1556	96808	DRJ 04/25/25	TCW	GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 3
STATE ROUTE 256 RAMPS A, B, C, D, & E

HORIZONTAL SCALE IN FEET
0 50
25 100



NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND, SEE SHEET *P.00118*
2. FOR SEQUENCE OF CONSTRUCTION, SEE SHEET *P.00104*

DESIGN AGENCY: GANNETT FLEMING
DESIGNER: TCW
REVIEWER: DRJ 04/25/25
PROJECT ID: 96808
SHEET: P.0154 TOTAL: P.1556

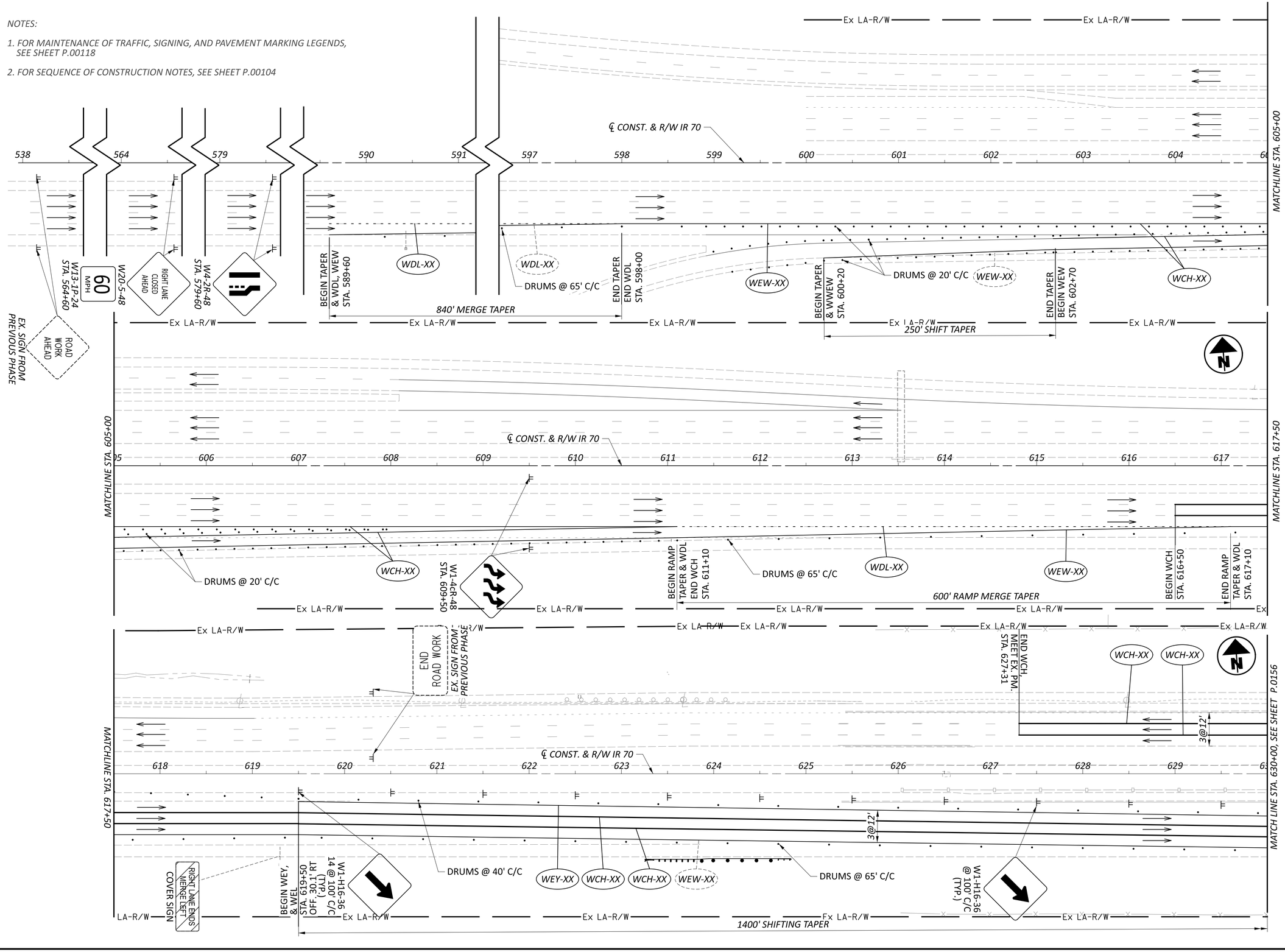
MAINTENANCE OF TRAFFIC - PHASE 3
STATE ROUTE 256 RAMPS G & J

HORIZONTAL SCALE IN FEET
0 25 50 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
BEGIN WORK TO STA. 630+00

FAI/LIC-IR 70-0.00/0.00

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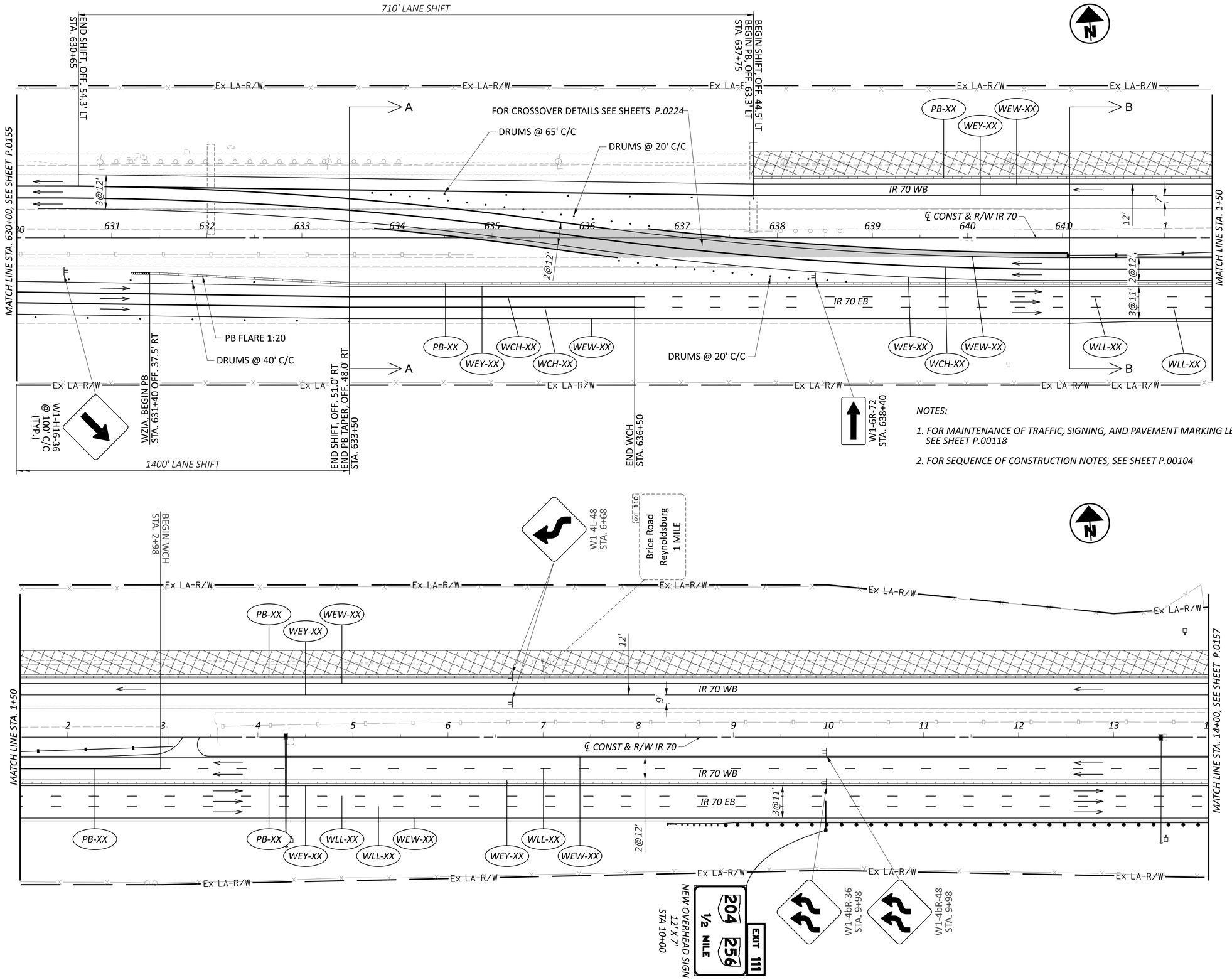
DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0155 TOTAL P.1556



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 630+00 TO STA. 14+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0156
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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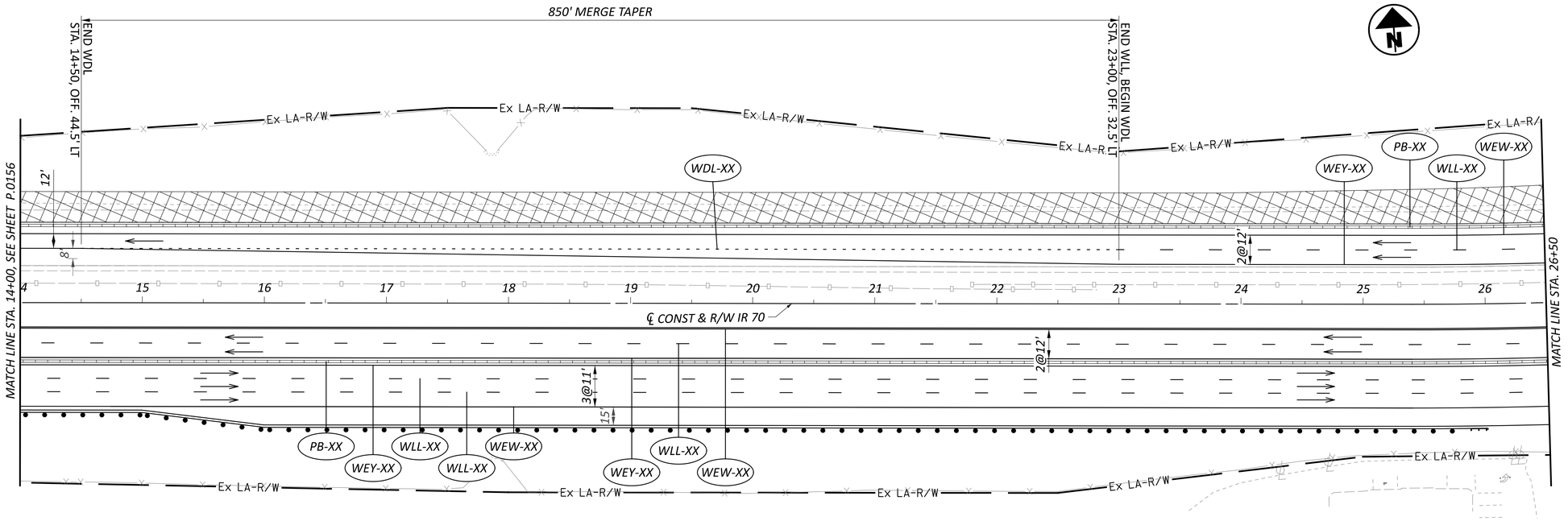
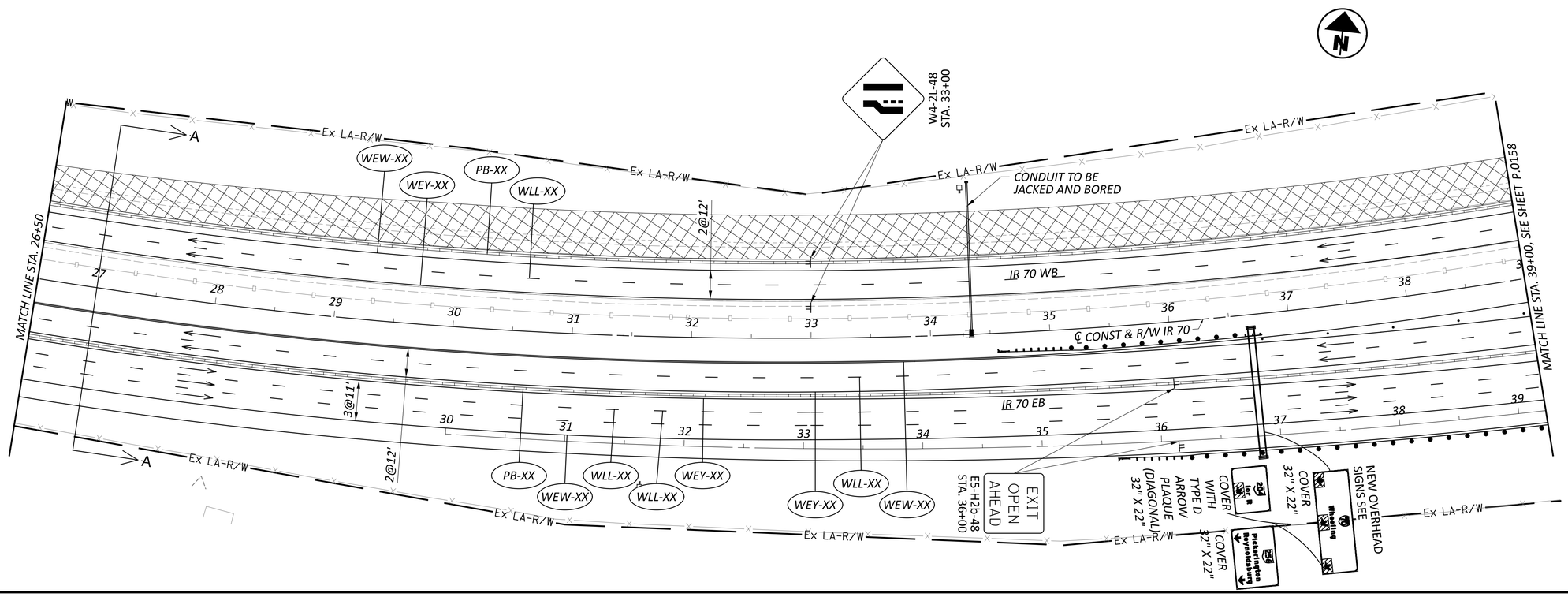


NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 14+00 TO STA. 39+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0157
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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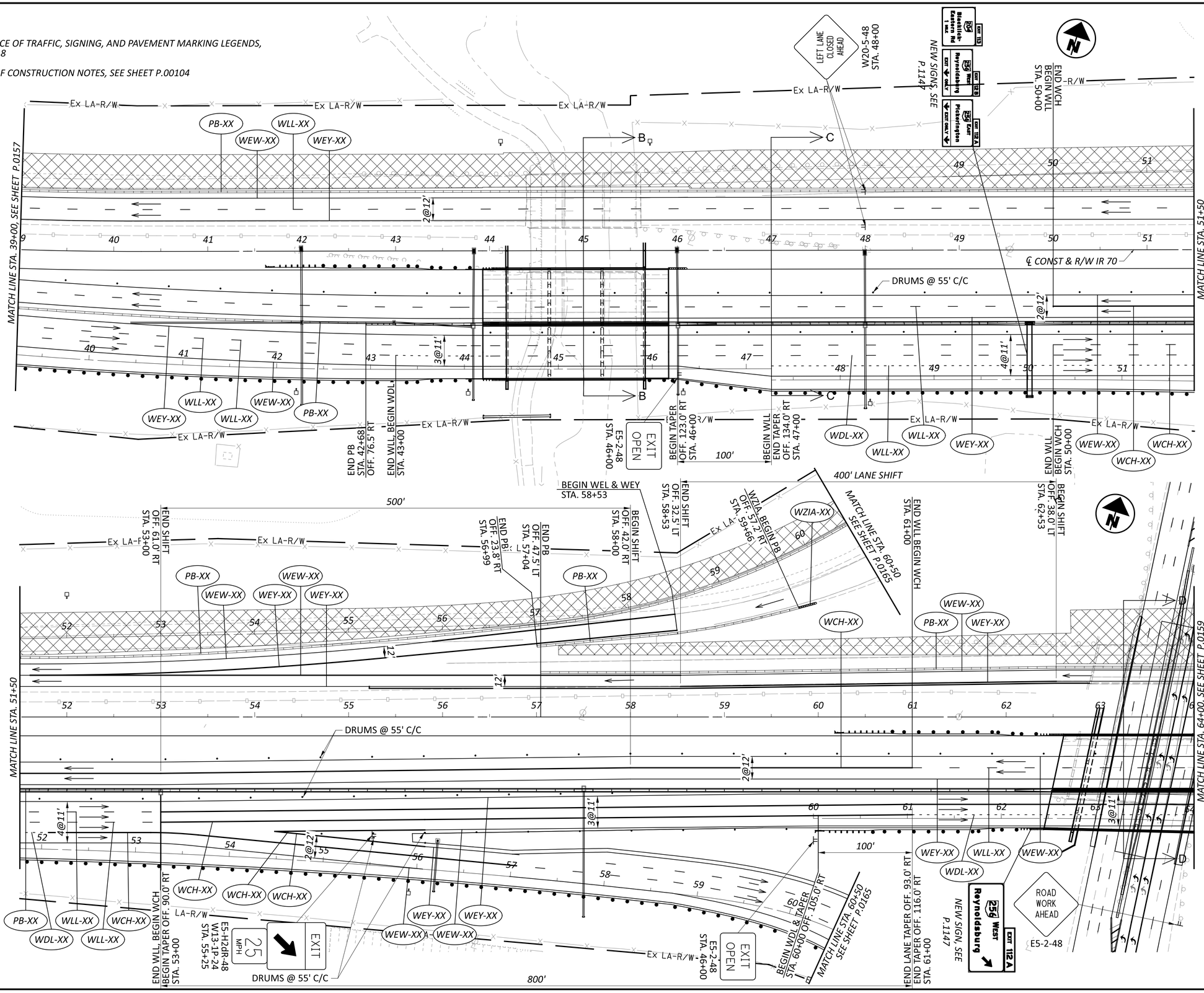
NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 39+00 TO STA. 64+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0158 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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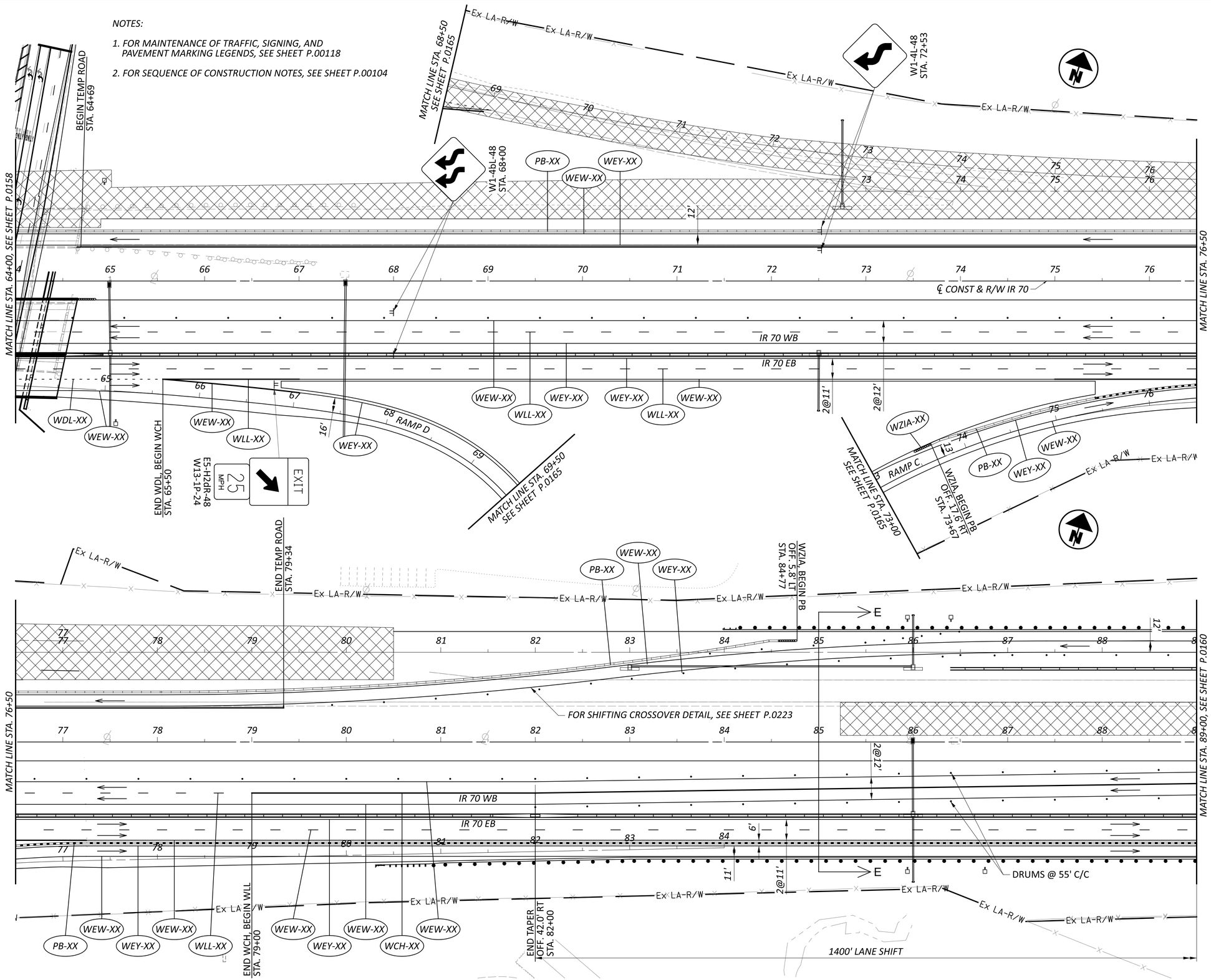
NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 64+00 TO STA. 89+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0159 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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NOTES:
1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118
2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104

MATCH LINE STA. 101+50

MATCH LINE STA. 89+00, SEE SHEET P.0159

MATCH LINE STA. 106+00 SEE SHEET P.0166

MATCH LINE STA. 114+00, SEE SHEET P.0161

MATCH LINE STA. 101+50

BEGIN PB OFF. 107.0' RT STA. 102+50

END LC OFF. 105.6' RT STA. 103+18

BEGIN WEY BEGIN WLL BEGIN WEW STA. 104+20

END WLL BEGIN WCH BEGIN WCH STA. 105+20

840' MERGE TAPER

BEGIN WDL & TAPER OFF. 11.7' RT STA. 103+00

CONSTRUCTED IN PHASE 1

1400' LANE SHIFT

DRUMS @ 55' C/C

W1-4bL-48 STA. 106+00

R3-H8dl-54 STA. 105+20

W4-2-48 STA. 108+00

BEGIN TAPER OFF. 22.0' RT STA. 96+00

END WCH BEGIN WLL STA. 99+00

LEFT LANE CLOSED AHEAD

W4-2-48 STA. 112+55

EX. SIGN FROM PREVIOUS PHASE

WORK ZONE SPEEDING FINES DOUBLED CAUSE DEATH OR INJURY FINE/JAIL

STAY IN LANE

EX. SIGN FROM PREVIOUS PHASE

CD CONSTRUCTED IN PHASE 1

CONDUIT CONSTRUCTED IN PHASE 1

END TAPER & WDL OFF. 4.7' RT STA. 94+60

840' MERGE TAPER

℄ CONST RAMP H

℄ CONST & R/W IR 70

℄ CONST RAMP G

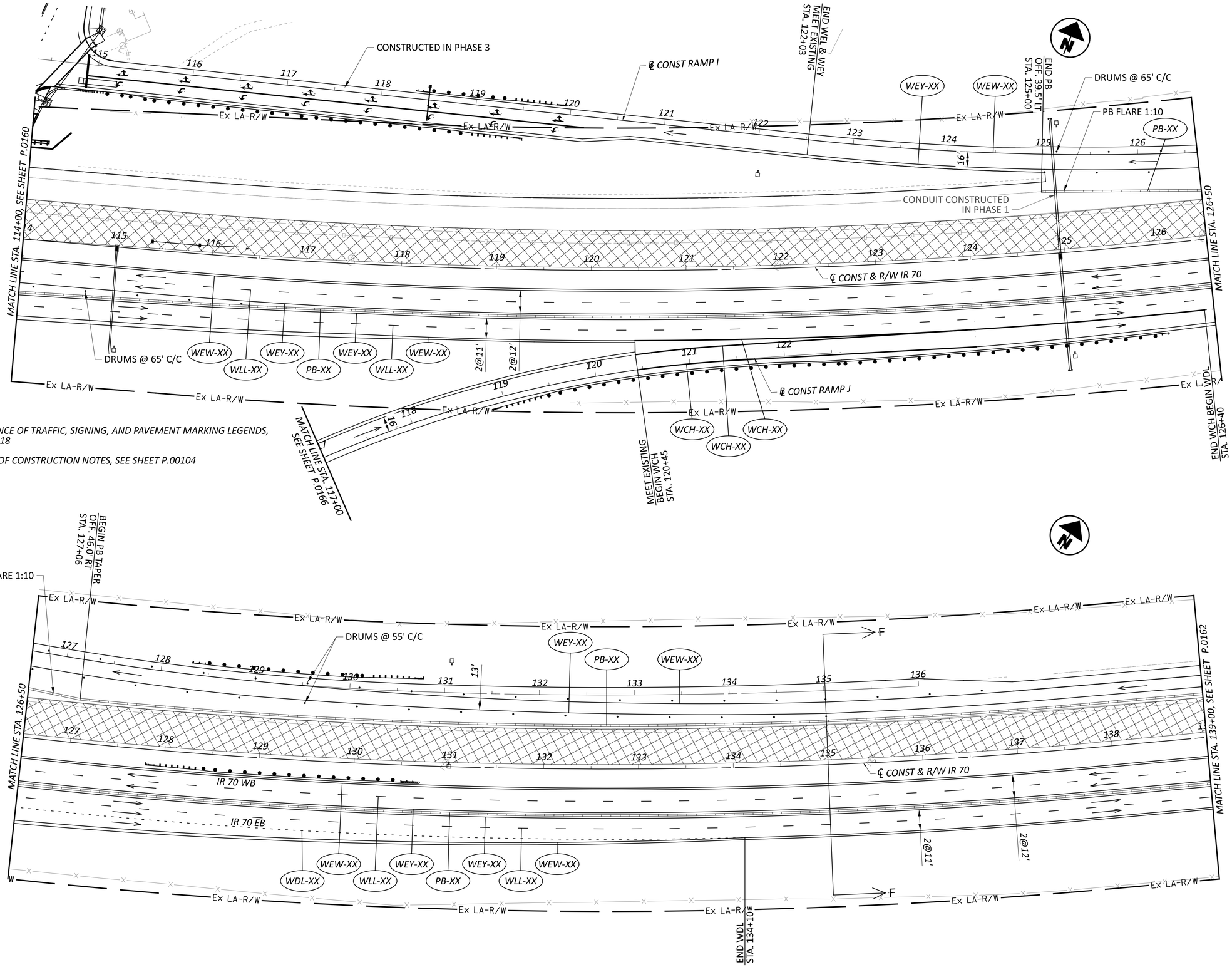
IR 70 EB

IR 70 WB

Ex LA-R/W

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 89+00 TO STA.114+00

HORIZONTAL SCALE IN FEET
0 50
25 100



NOTES:

1. *FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118*
2. *FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 114+00 TO STA.139+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0161 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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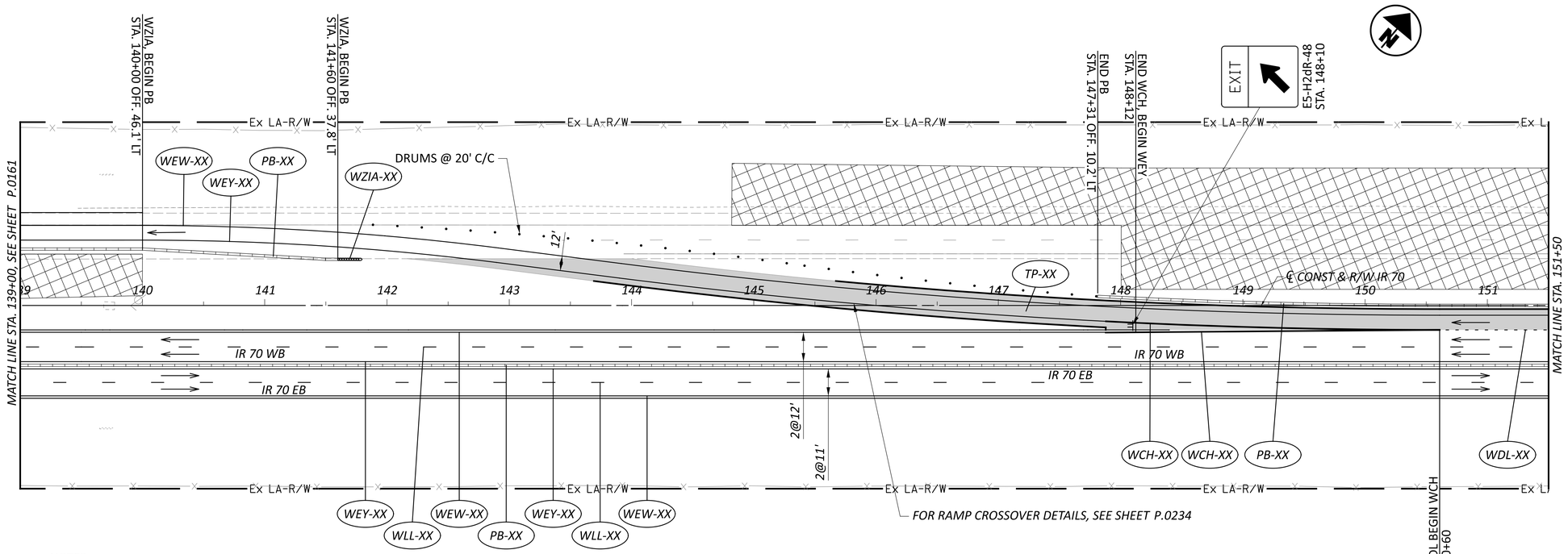
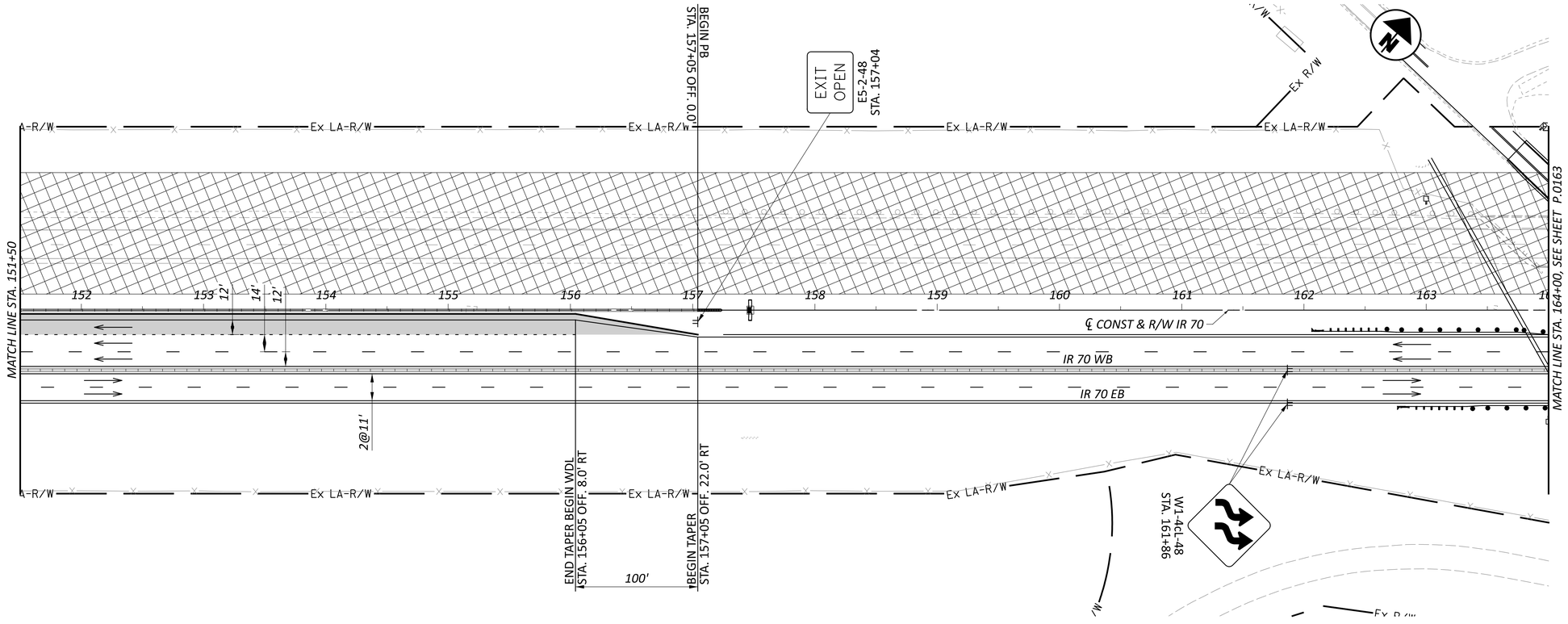


NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118
2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 139+00 TO STA.164+00

HORIZONTAL SCALE IN FEET
0 25 50 100

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0162 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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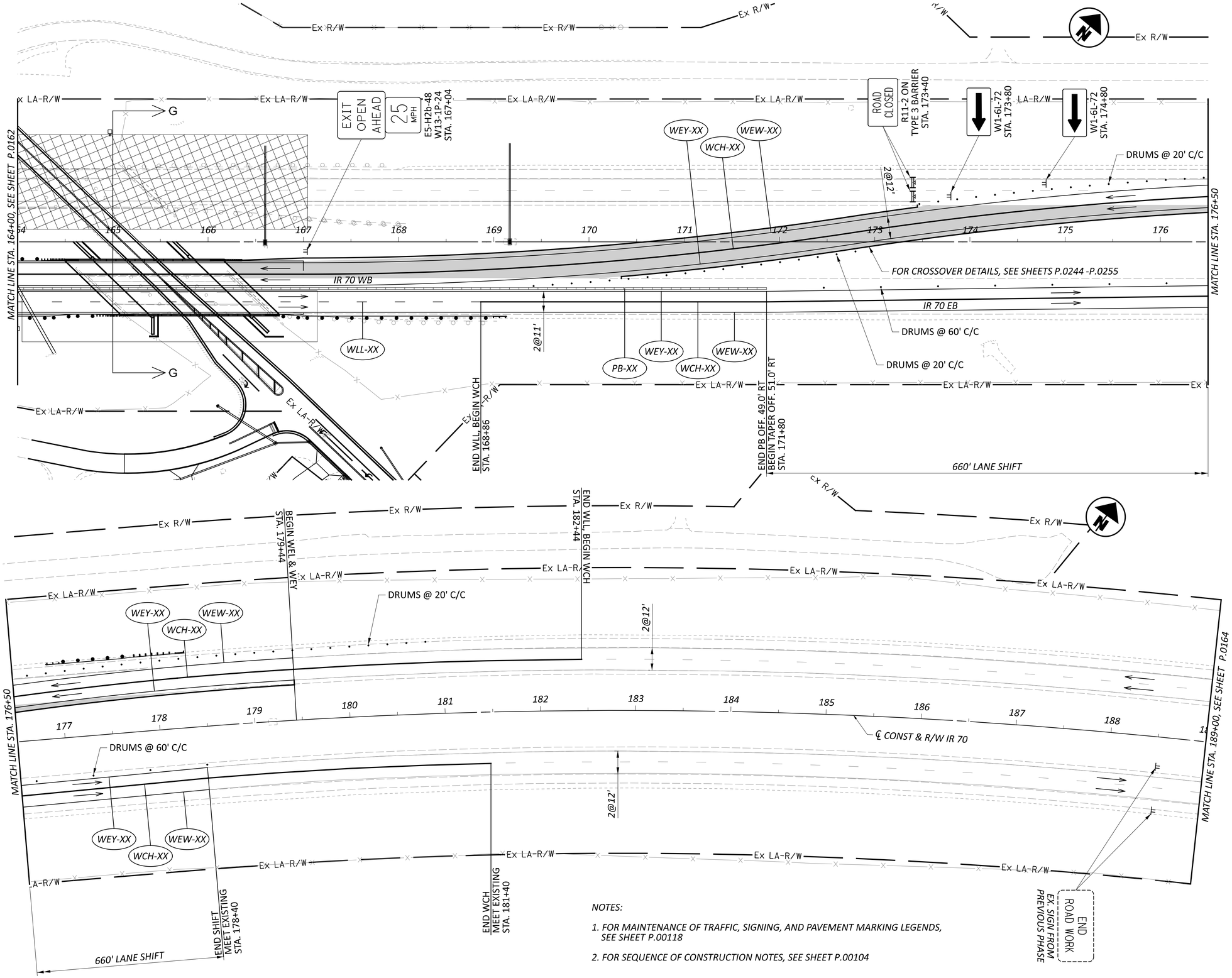

NOTES:

1. *FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118*
2. *FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 164+00 TO STA.189+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0163
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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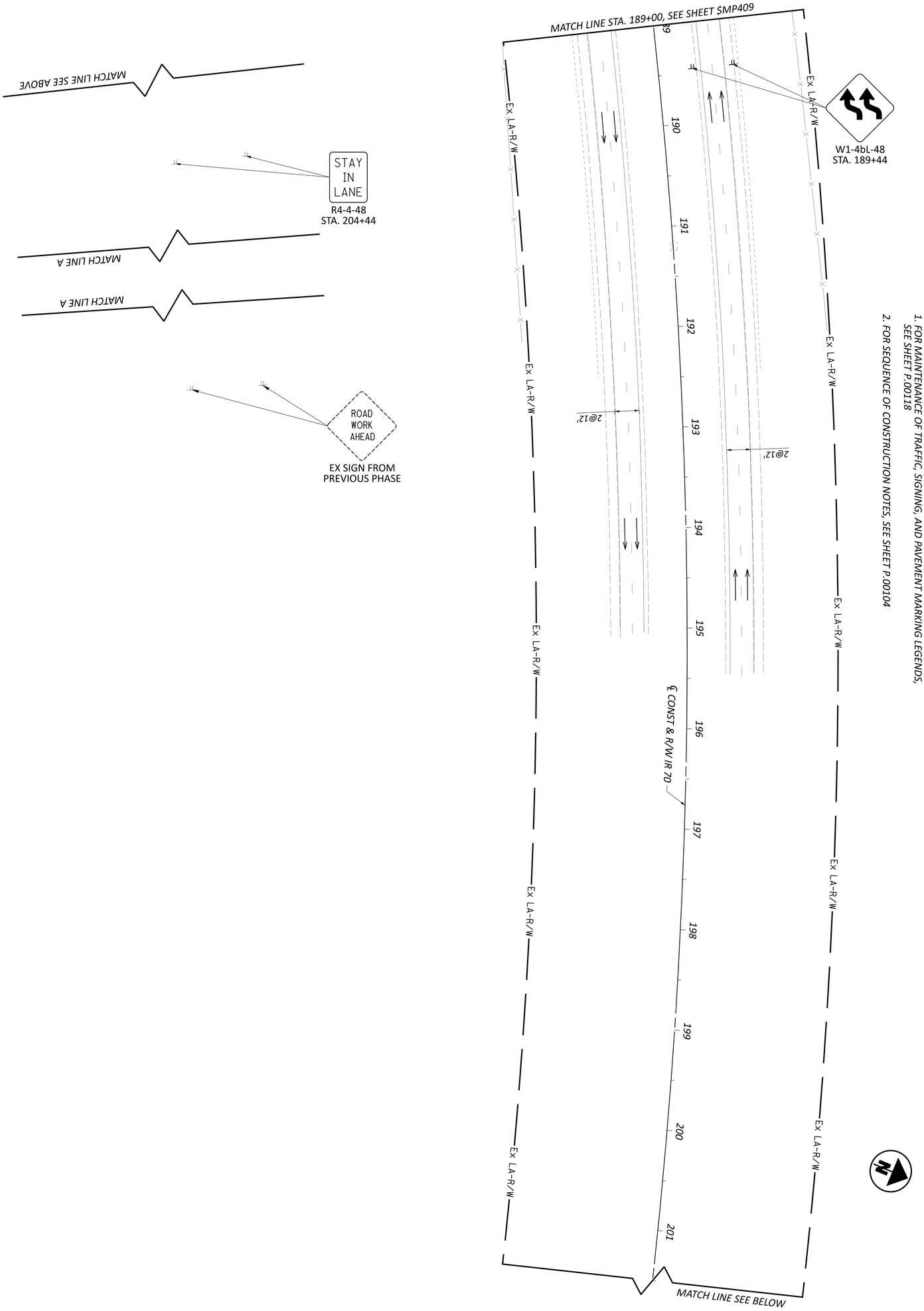

NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118
2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104

SHEET	TOTAL
P.0164	P.1556

PROJECT ID: 96808

REVIEWER: DRJ 04/25/25

DESIGNER: TCW

DESIGN AGENCY: GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 4A
STA. 189+00 TO END WORK

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: 96808_MP410 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:00:12 PM USER: brieder
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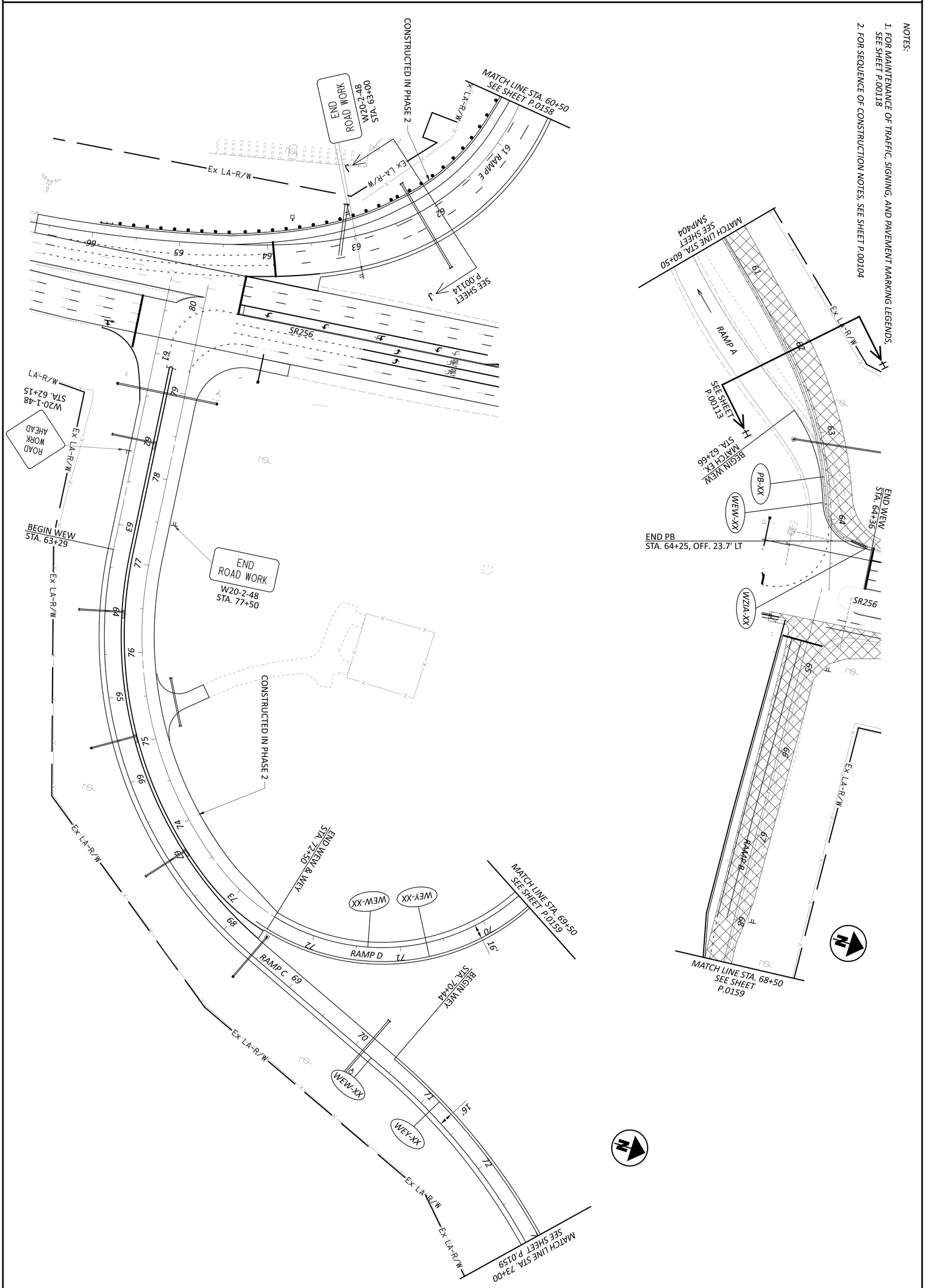

SHEET	TOTAL
P.0165	P.1556

PROJECT ID: 96808

REVIEWER: DRJ 04/25/25

DESIGNER: TCW

DESIGN AGENCY: GANNETT FLEMING

MAINTENANCE OF TRAFFIC - PHASE 4A
STATE ROUTE 256 RAMPS A, B, C, D, & E

HORIZONTAL SCALE IN FEET
0 50
25 100

NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A
STATE ROUTE 256 RAMPS G & J

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0166 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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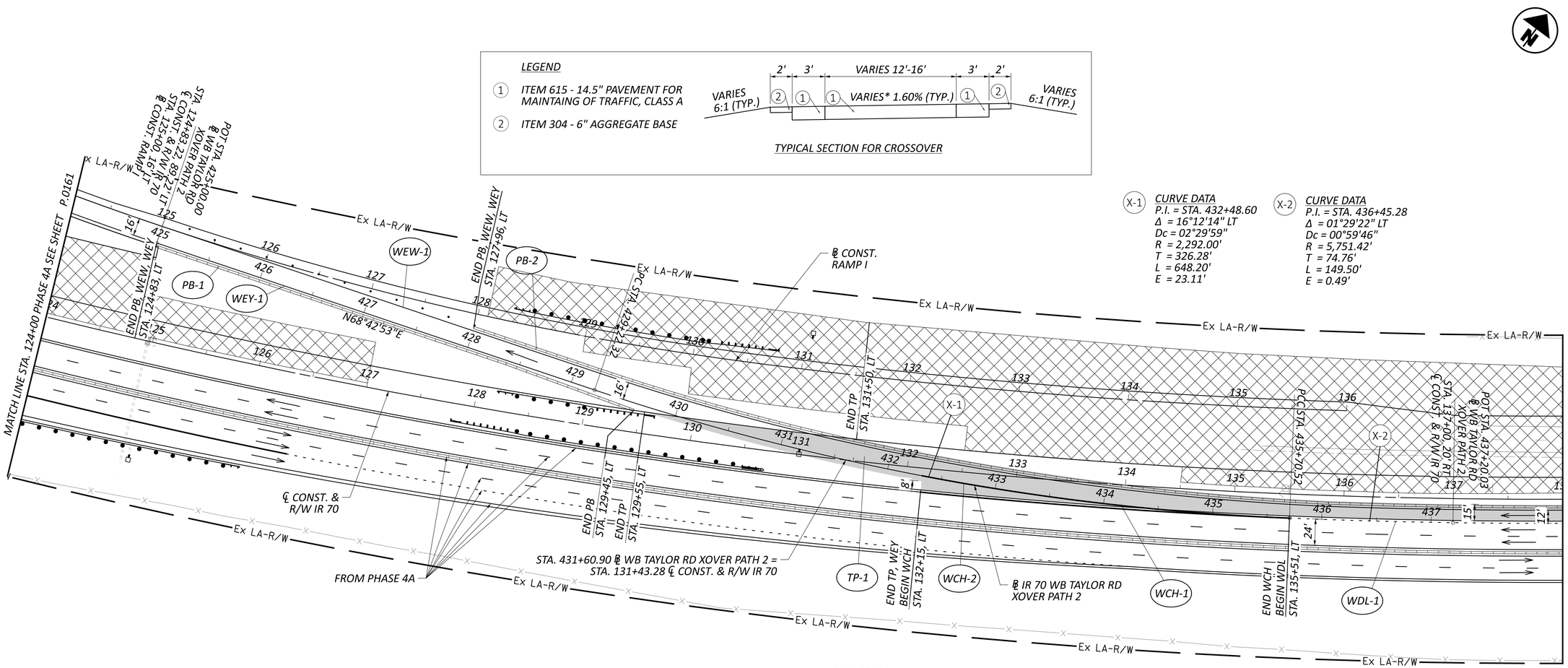
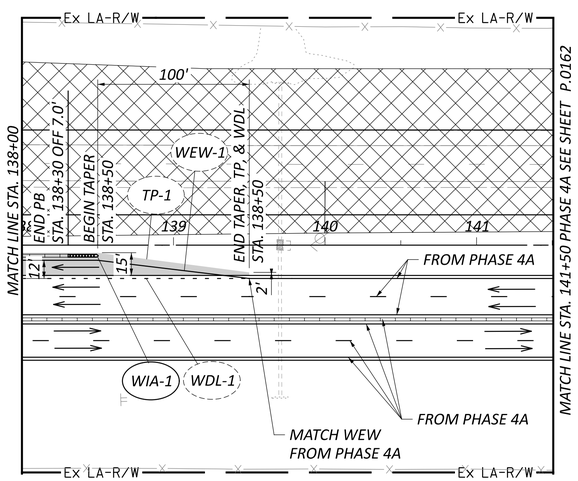


PHASE 4A
TAYLOR ROAD WB XOVER PATH 2
TO TAYLOR ROAD RAMP I



NOTES

1. FOR LEGEND, SEE SHEET P.00118

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - TAYLOR ROAD EB EXIT SECONDARY PATH

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 4/25/25

PROJECT ID
96808

SHEET P.0167 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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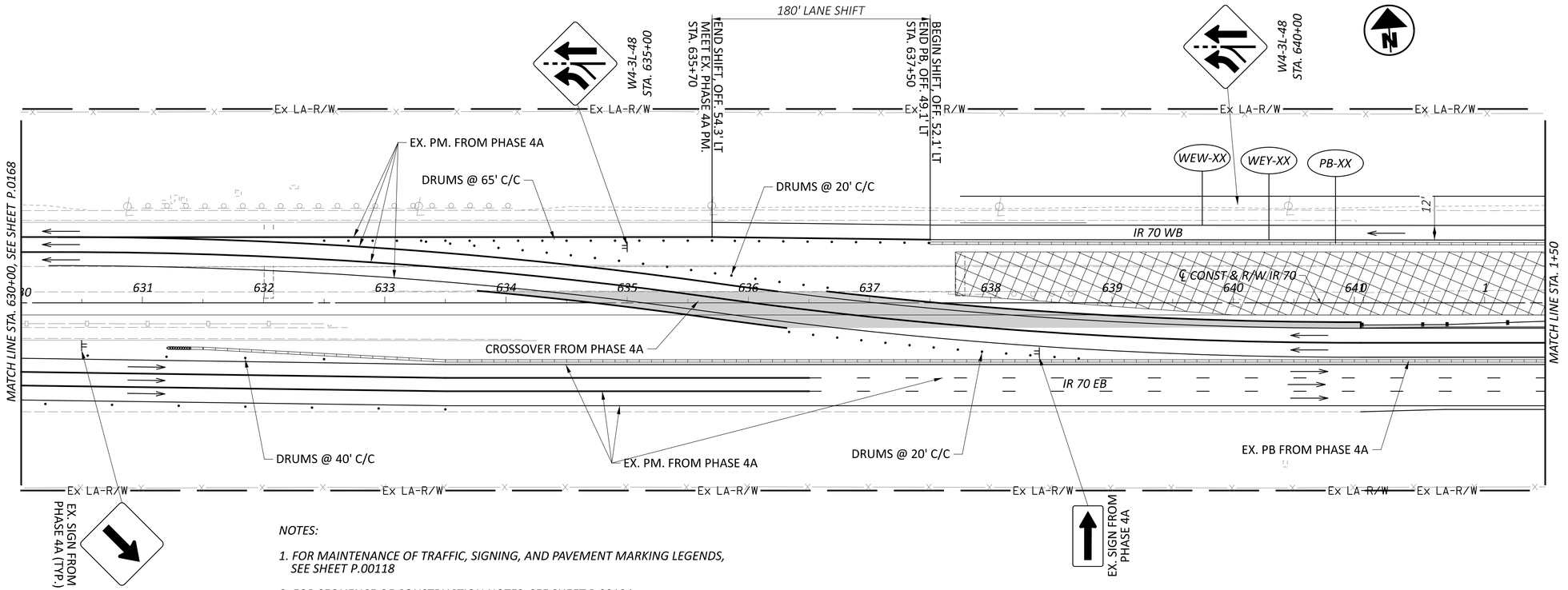
NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

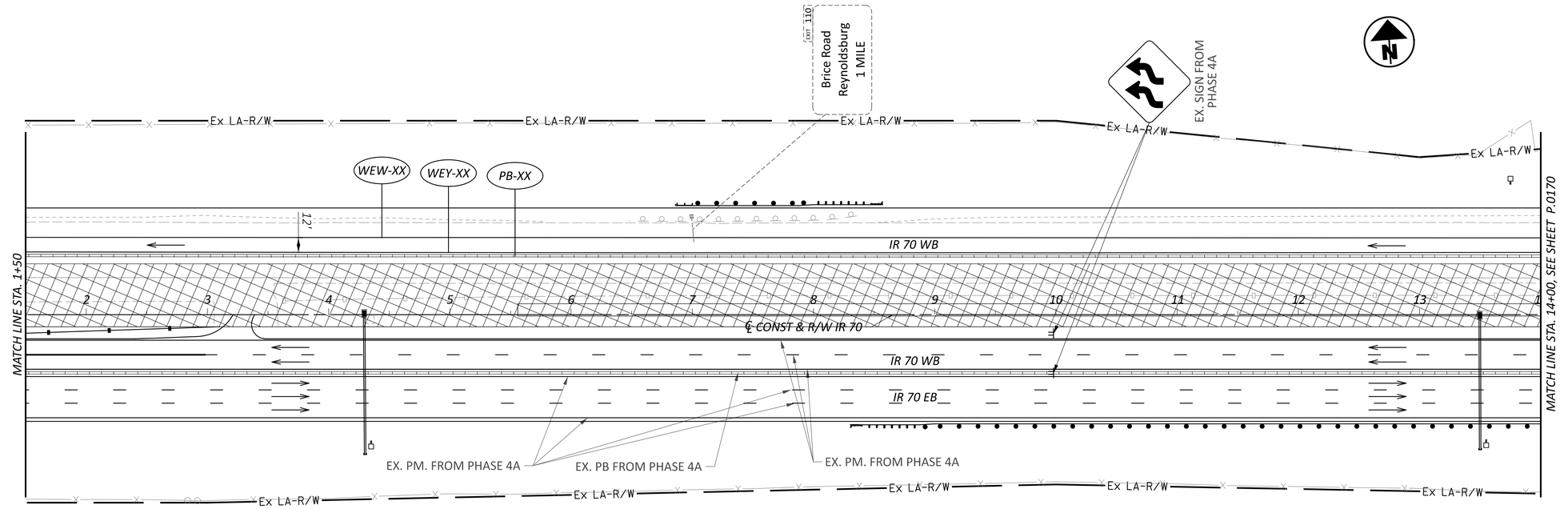
2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104

GANNETT FLEMING



NOTES:

1. *FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118*
2. *FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104*



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 630+00 TO STA.14+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04-18-25
PROJECT ID	96808
SHEET	P.0169
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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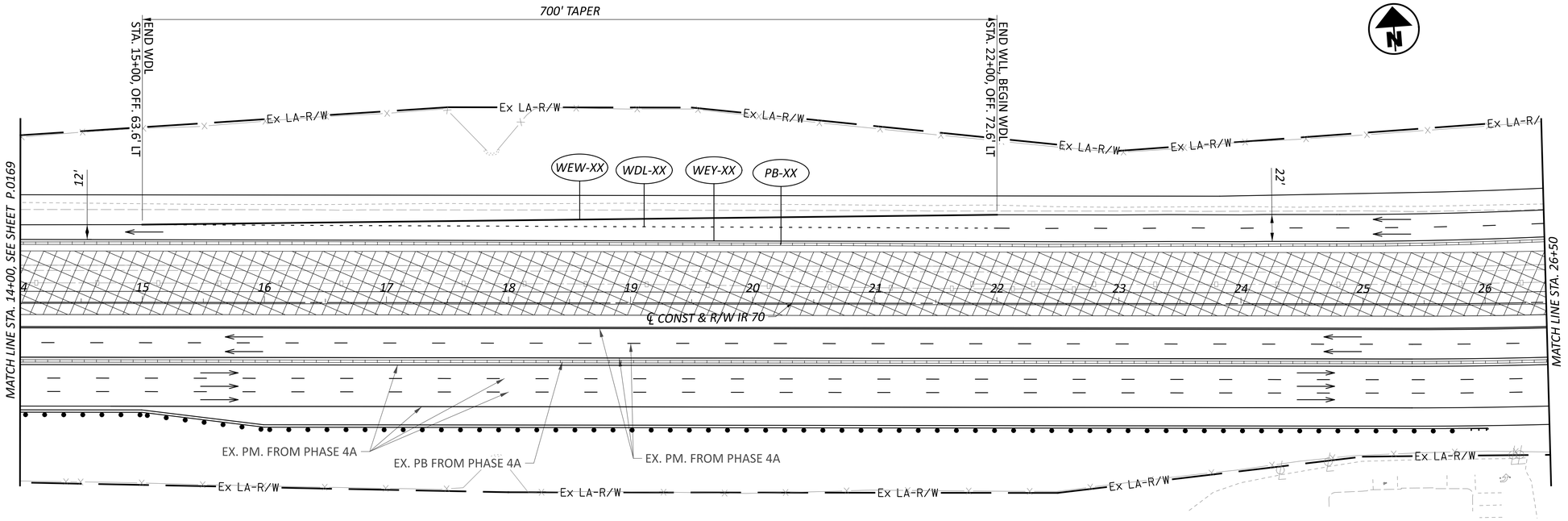
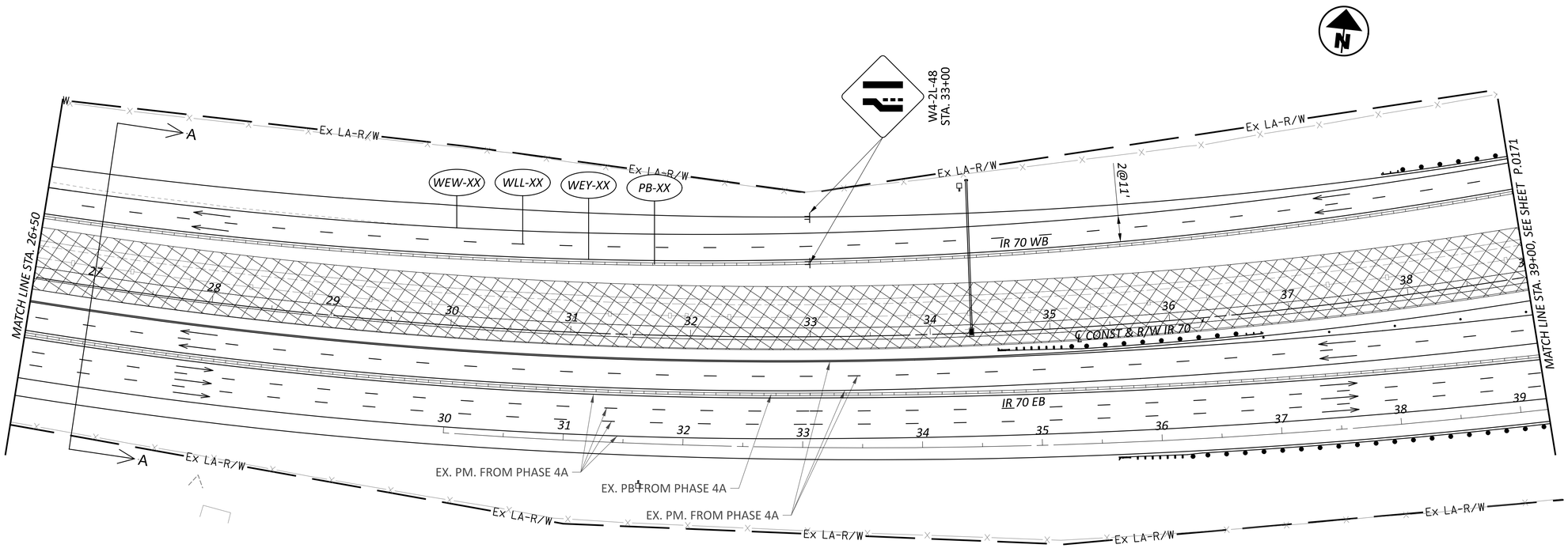


NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 14+00 TO STA. 39+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04-18-25
PROJECT ID	96808
SHEET	P.0170
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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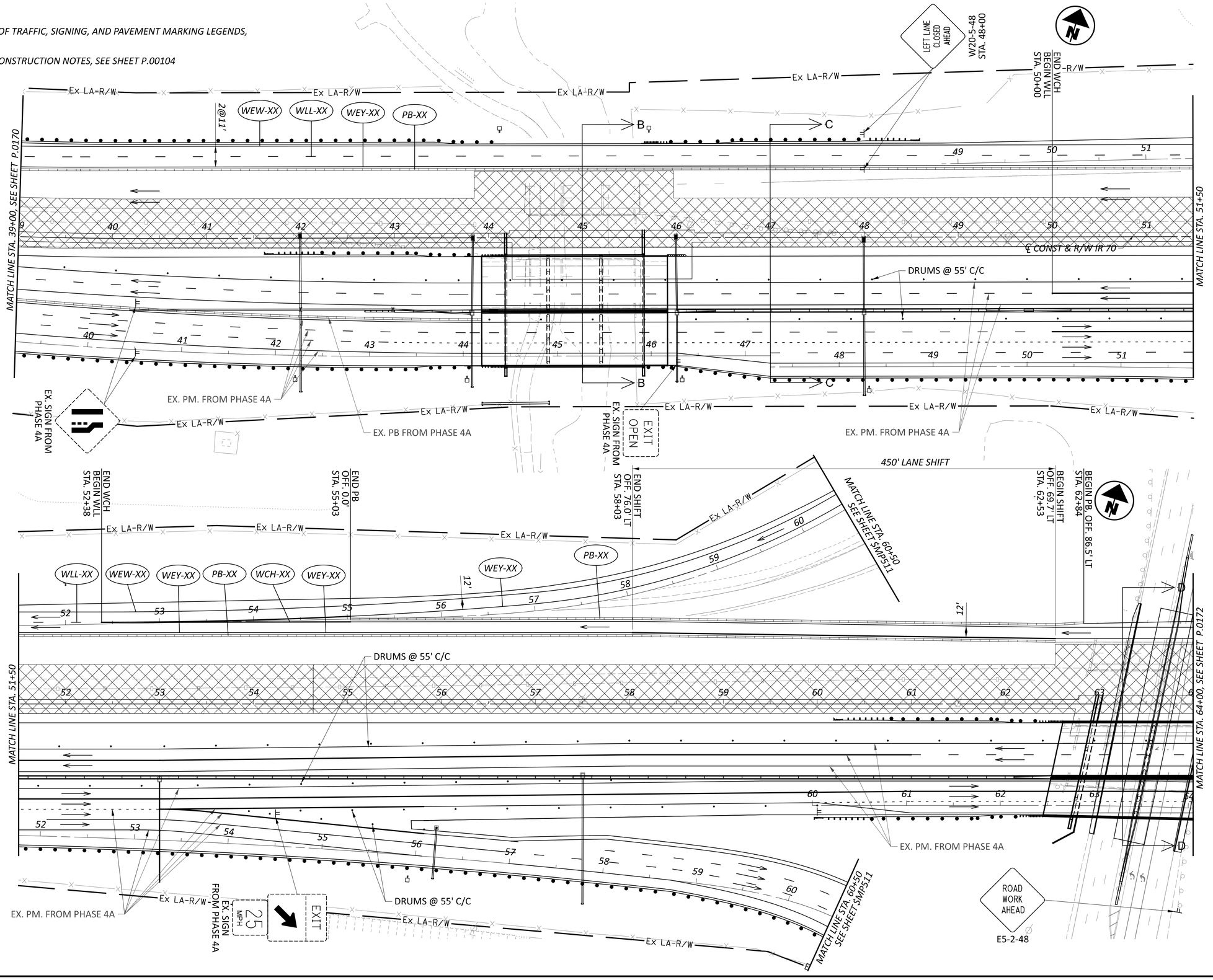
NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 39+00 TO STA.64+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04-18-25
PROJECT ID 96808
SHEET P.0171 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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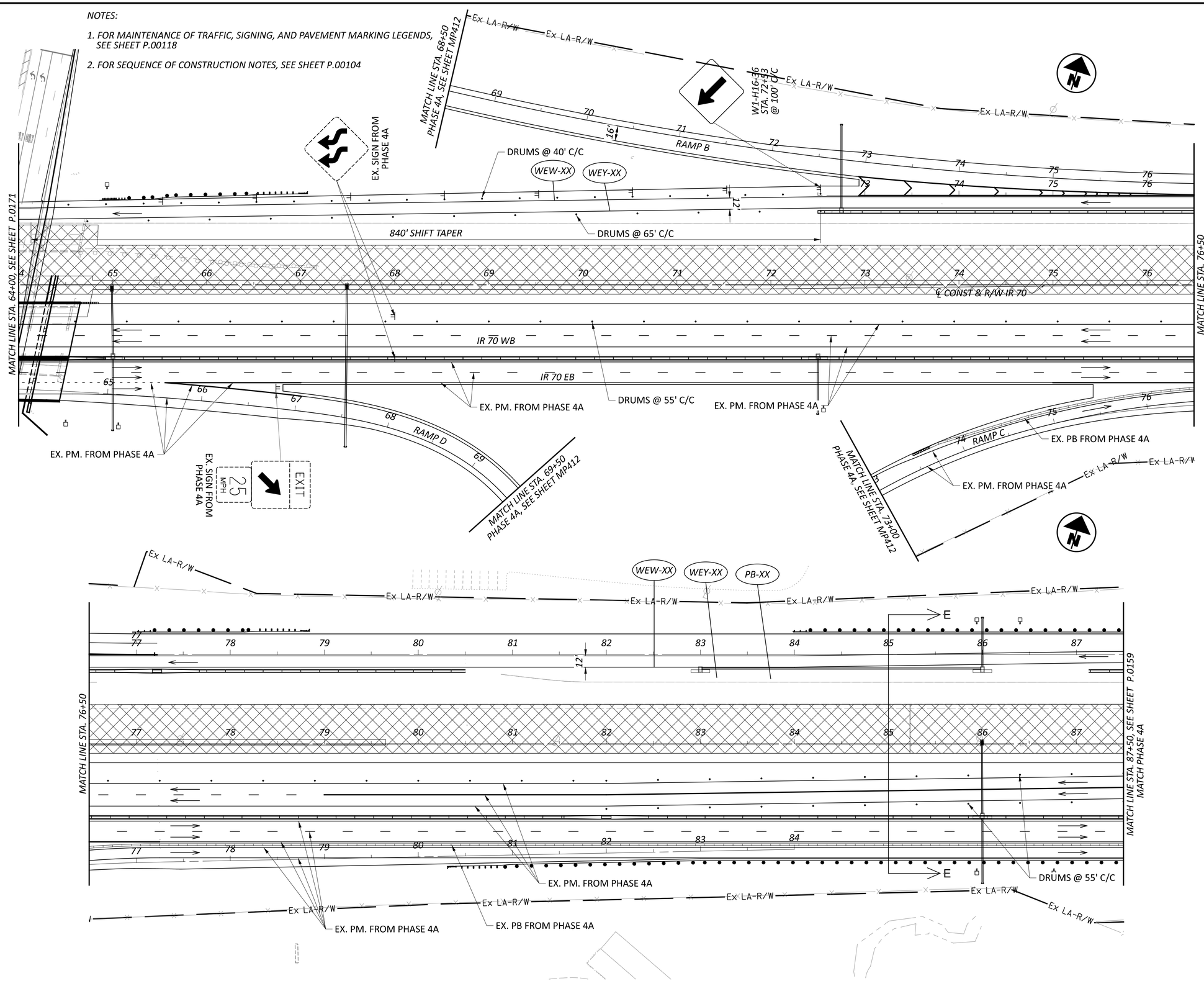
NOTES:

1. FOR MAINTENANCE OF TRAFFIC, SIGNING, AND PAVEMENT MARKING LEGENDS, SEE SHEET P.00118

2. FOR SEQUENCE OF CONSTRUCTION NOTES, SEE SHEET P.00104



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B
STA. 64+00 TO STA. 87+50

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04-18-25
PROJECT ID	96808
SHEET	P.0172
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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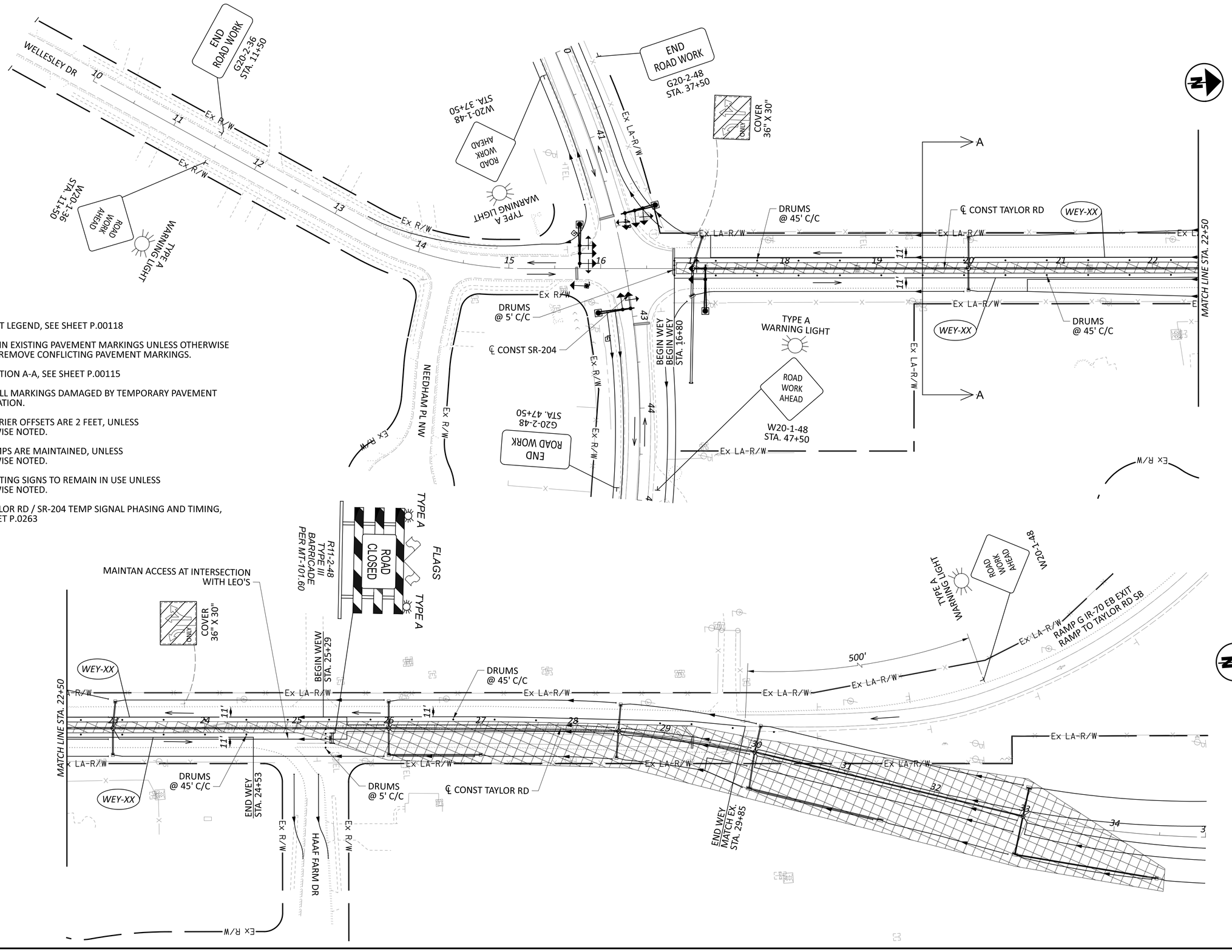

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION A-A, SEE SHEET P.00115
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
6. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
7. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
8. FOR TAYLOR RD / SR-204 TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0263

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1A
TAYLOR ROAD - STA 10+00 TO STA 35+00, SR-204 - STA 40+00 TO STA 45+00

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP151A PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:03:02 PM USER: brieder
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DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0173
TOTAL	P.1556

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION A-A, SEE SHEET P.00115
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
6. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
7. FOR TAYLOR RD / SR-204 TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0263

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1B
TAYLOR ROAD - STA 10+00 TO STA 35+00, SR-204 - STA 40+00 TO STA 45+00

DESIGN AGENCY: GANNETT FLEMING
DESIGNER: TCW
REVIEWER: DRJ 04/25/25
PROJECT ID: 96808
SHEET: P.0174 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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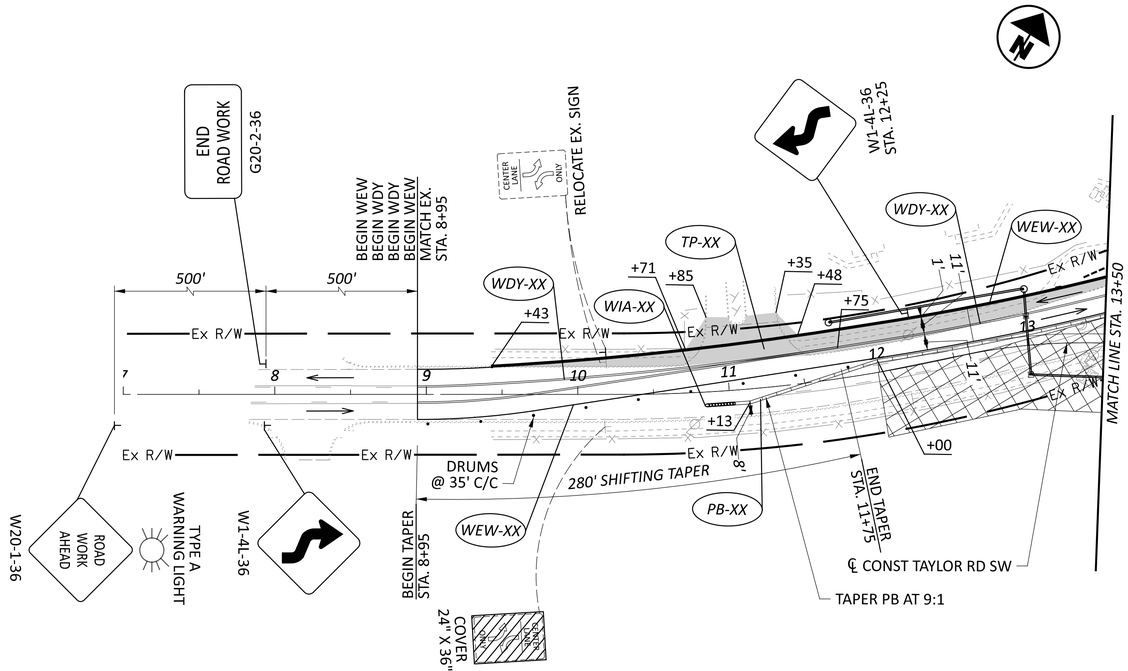

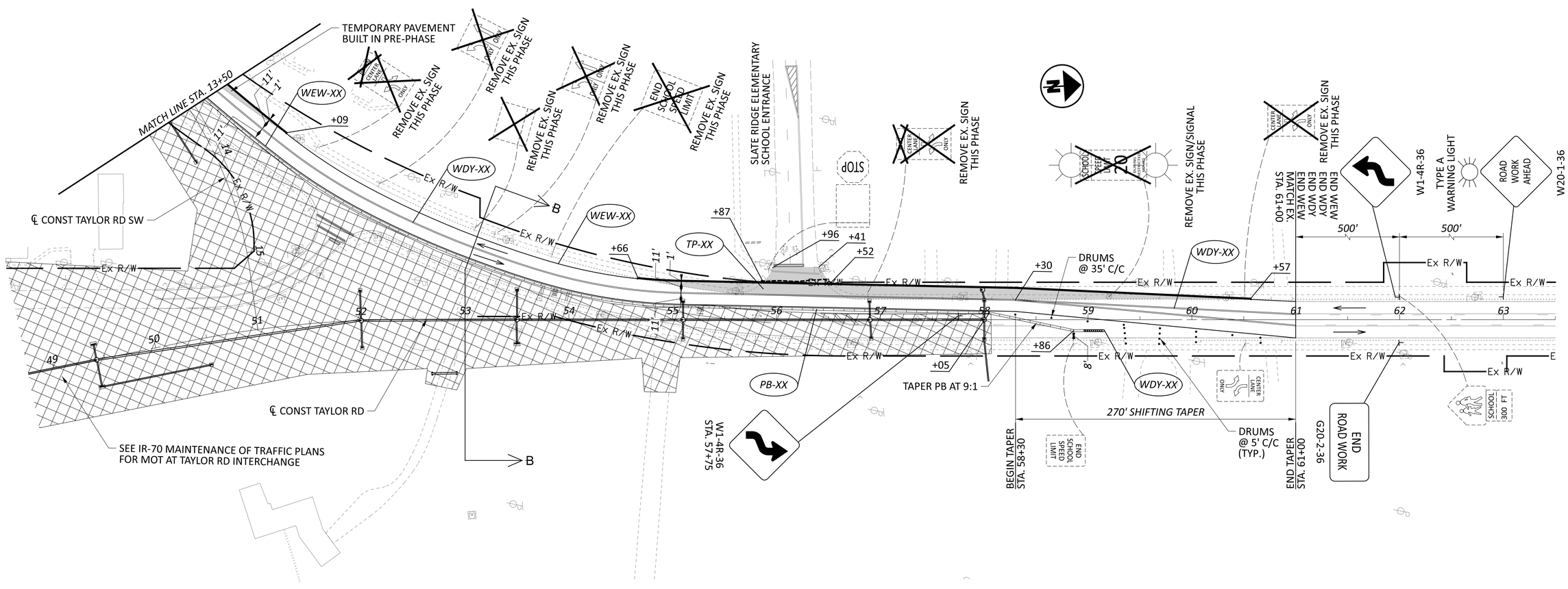

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION B-B, SEE SHEET P.00116
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 1 FOOT, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1B
TAYLOR ROAD SW - STA 7+50 TO STA 63+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0175
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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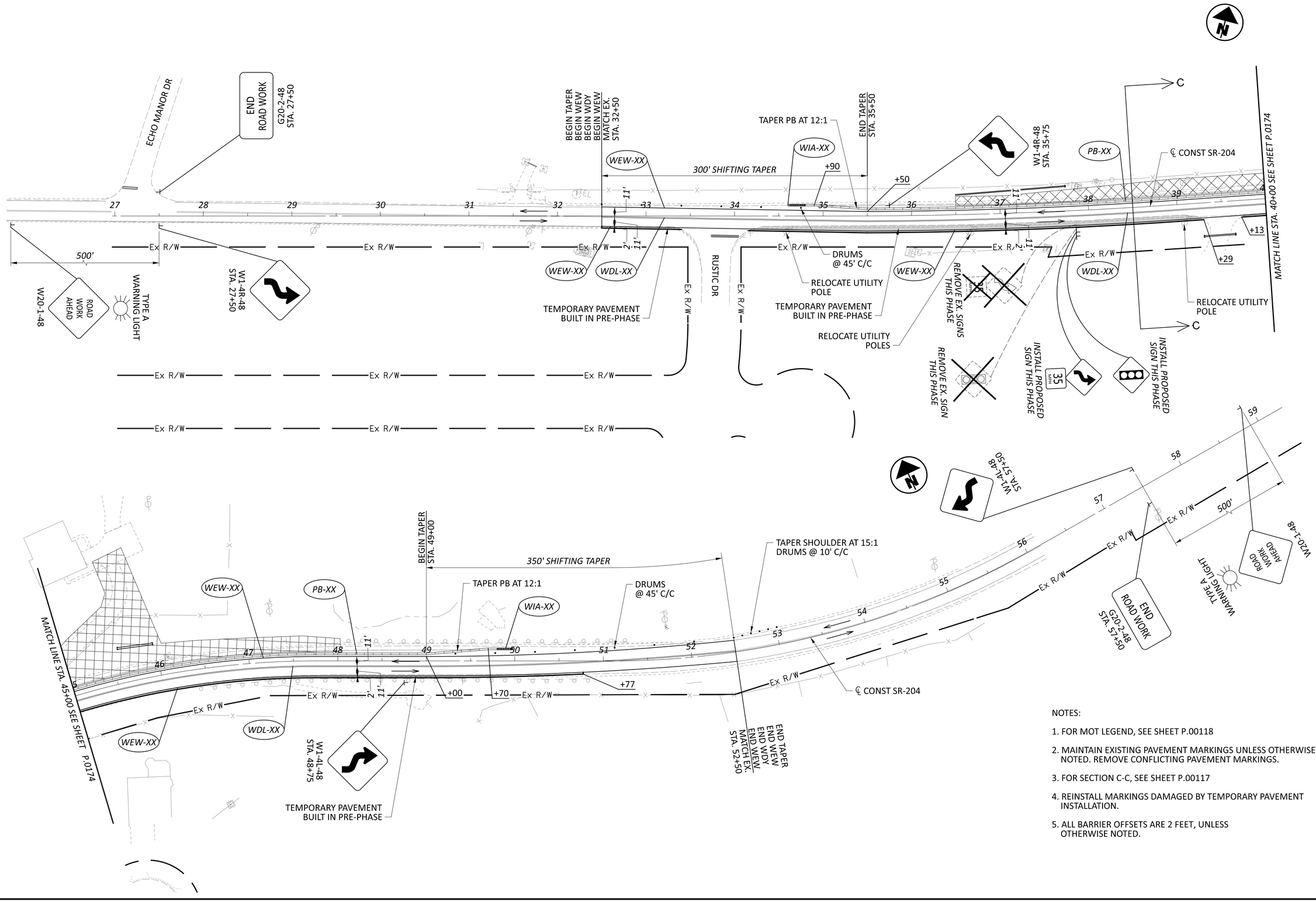
MAINTENANCE OF TRAFFIC - PHASE 1B
SR-204 - STA 27+00 TO STA 40+00, STA 45+00 TO STA 59+00

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION C-C, SEE SHEET P.00117
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0176 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION A-A, SEE SHEET P.00115
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
6. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
7. FOR TAYLOR RD / SR-204 TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0263

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1C
TAYLOR ROAD - STA 10+00 TO STA 35+00, SR-204 STA 40+00 TO STA 45+00

FAI/LIC-IR 70-0.00/0.00

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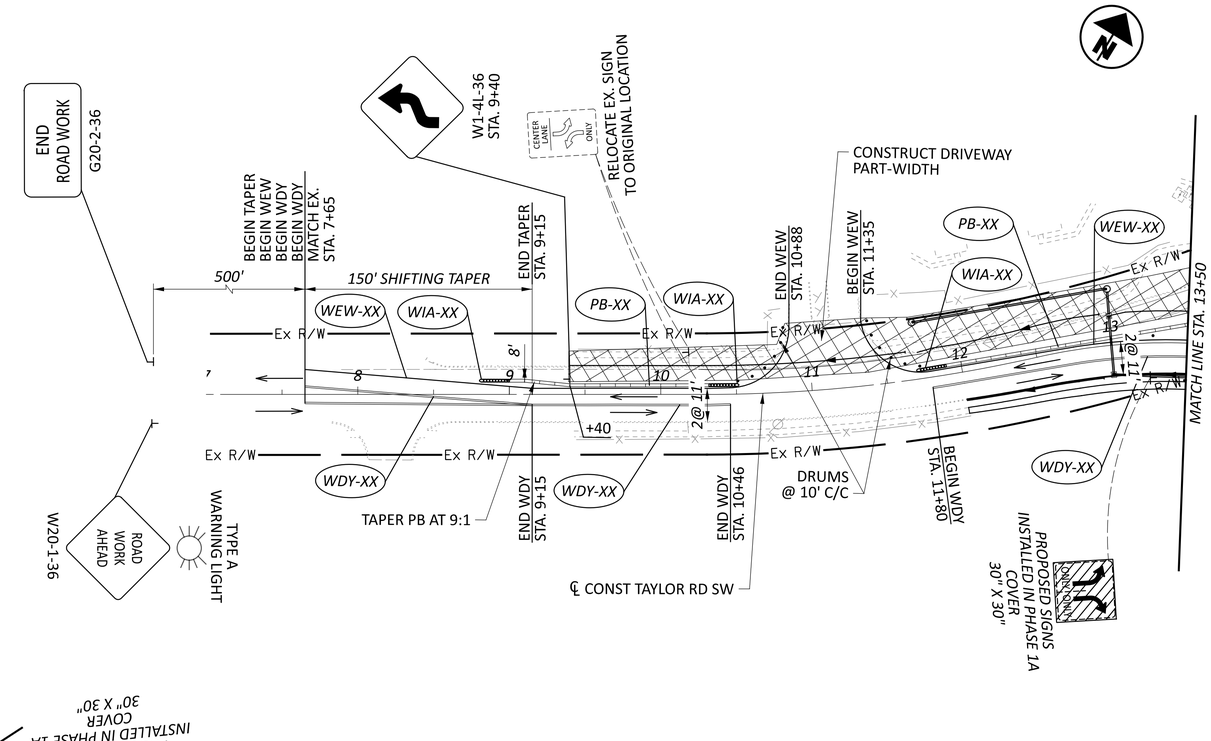
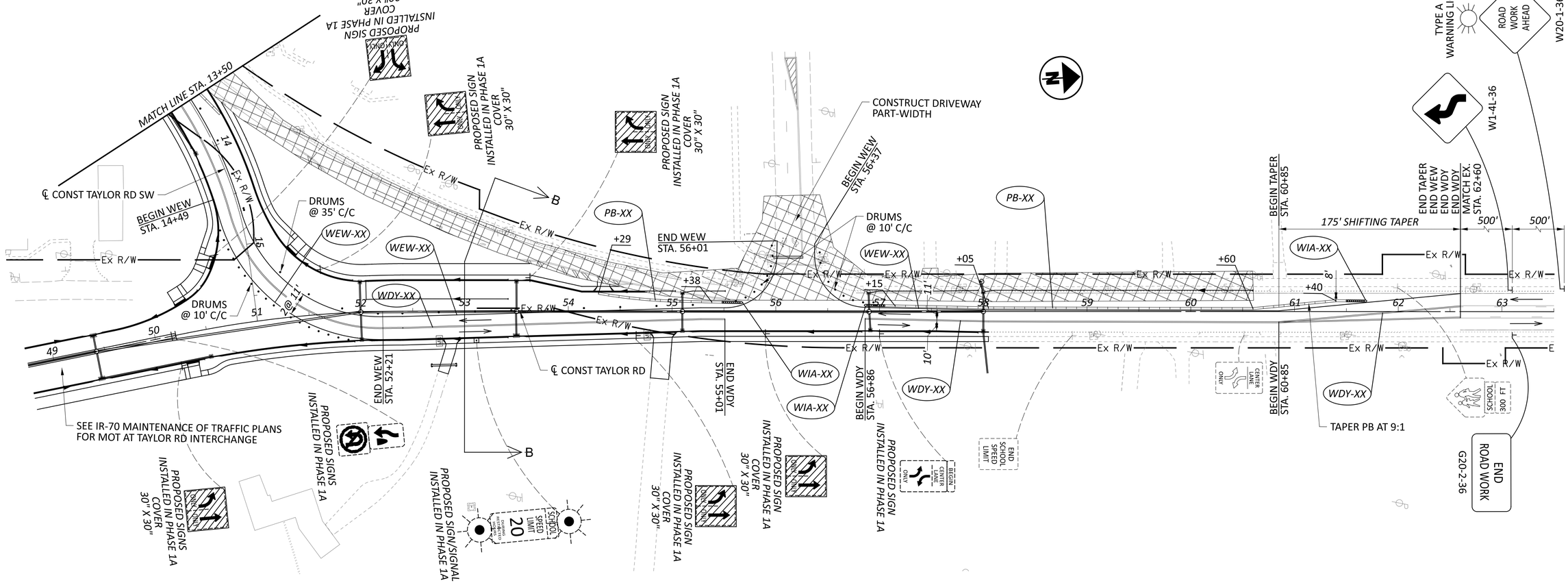
DESIGN AGENCY: GANNETT FLEMING
DESIGNER: TCW
REVIEWER: DRJ 04/25/25
PROJECT ID: 96808
SHEET: P.0178 TOTAL: P.1556





NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION B-B, SEE SHEET P.00116
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 1 FOOT, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1C
TAYLOR ROAD SW - STA 7+50 TO STA 63+00

FAI/LIC-IR 70-0.00/0.00

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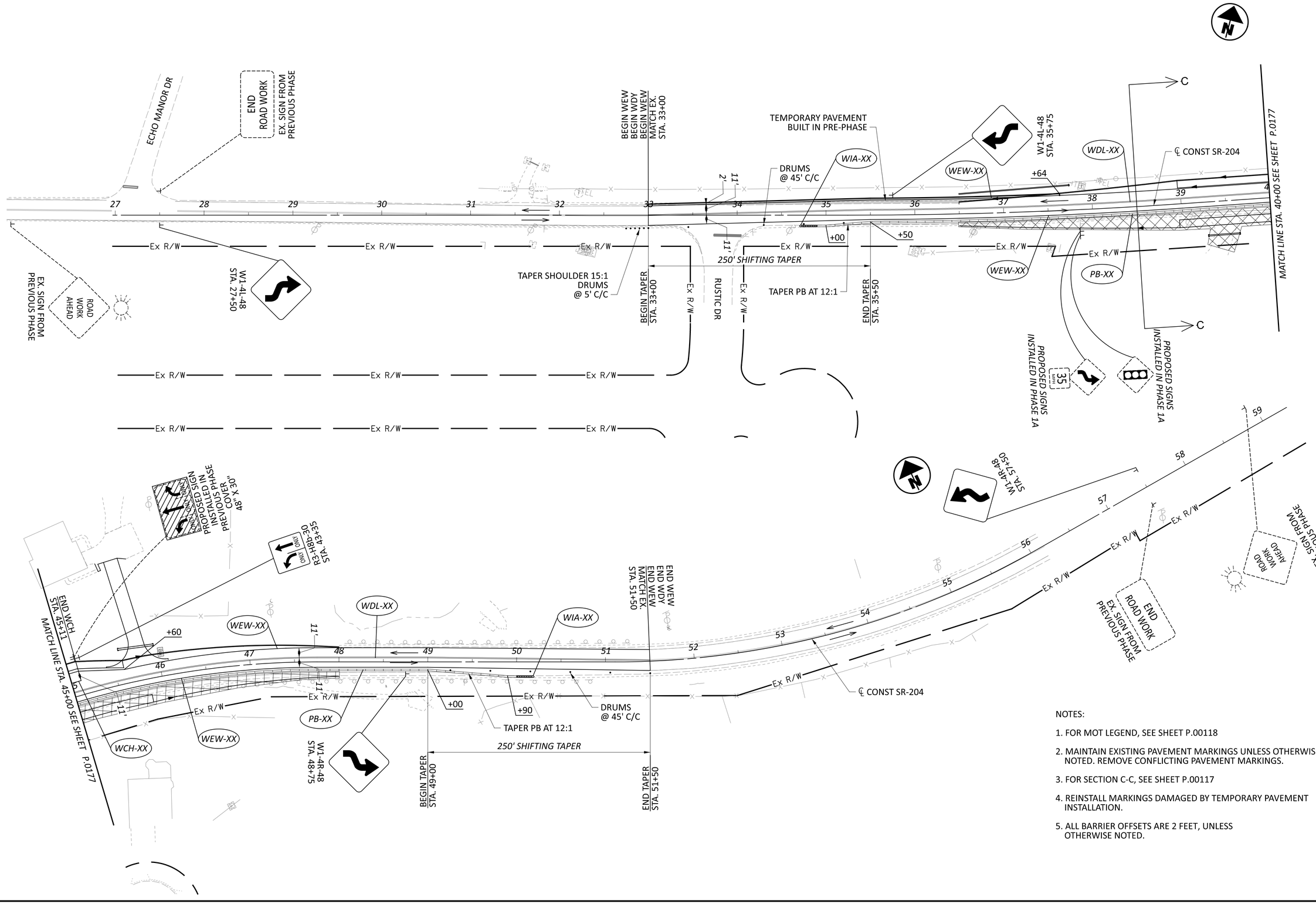
DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0178 TOTAL P.1556

MAINTENANCE OF TRAFFIC - PHASE 1C
SR-204 - STA 27+00 TO STA 40+00, STA 45+00 TO STA 59+00

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. FOR SECTION C-C, SEE SHEET P.00117
4. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
5. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0179 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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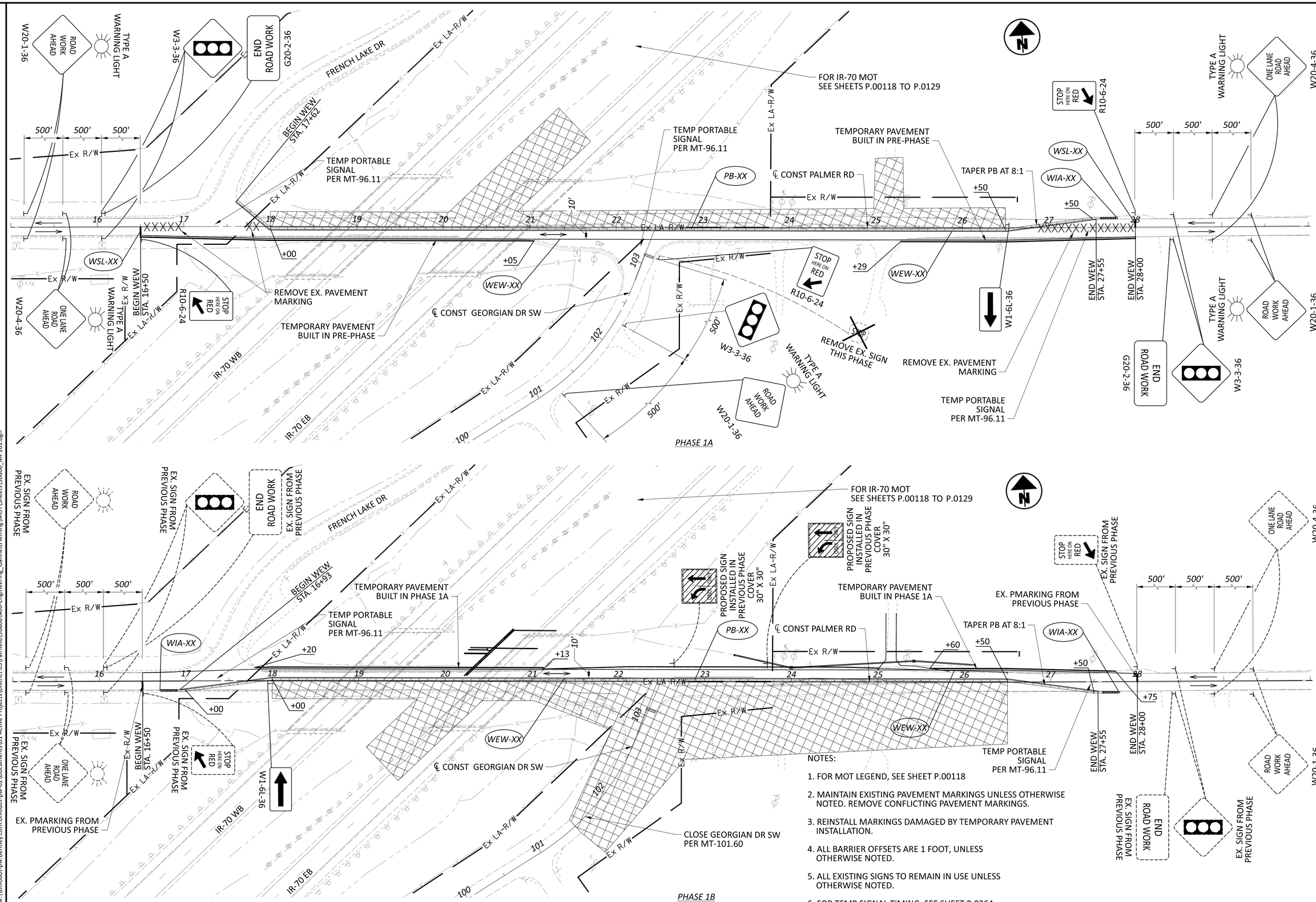


NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 1 FOOT, UNLESS OTHERWISE NOTED.
5. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
6. FOR TEMP SIGNAL TIMING, SEE SHEET P.0264

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 1A/1B
PALMER ROAD - STA 16+50 TO STA 28+00

DESIGN AGENCY
GANNETT FLEMING

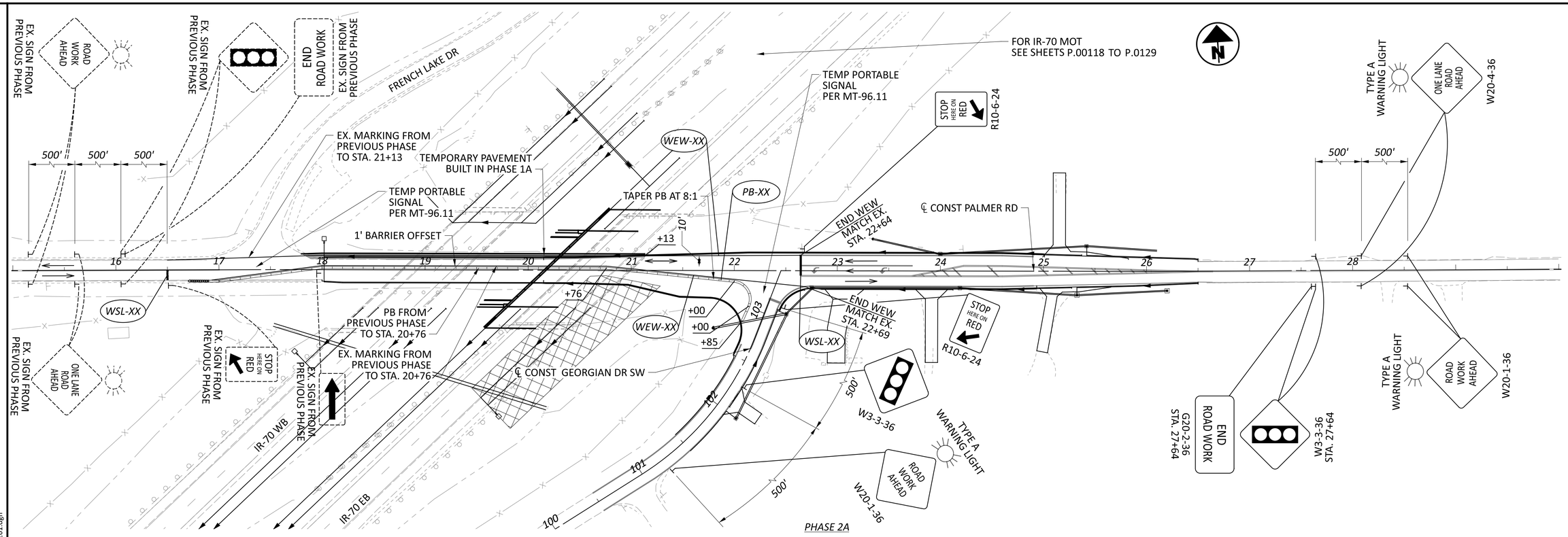
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0180
TOTAL	P.1556

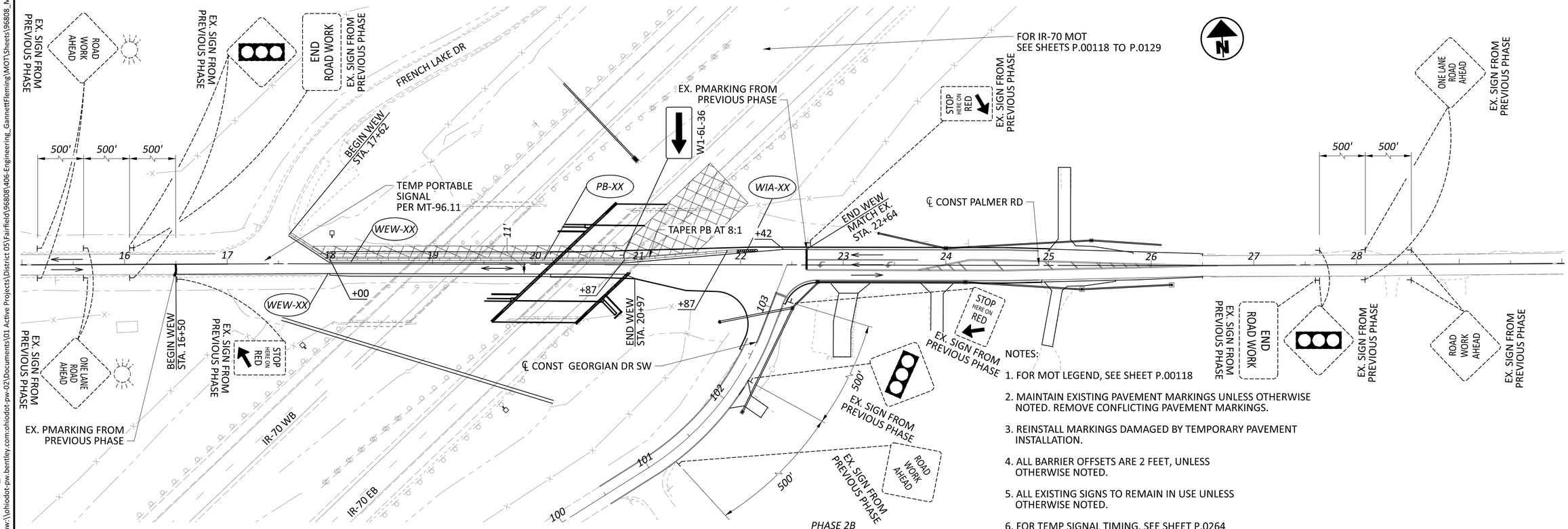
FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP161 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:06:30 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MP161.dgn

MAINTENANCE OF TRAFFIC - PHASE 2A/2B
PALMER ROAD - STA 16+50 TO STA 28+00

HORIZONTAL SCALE IN FEET
0 25 50 100





NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
5. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
6. FOR TEMP SIGNAL TIMING, SEE SHEET P.0264

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0181
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP261 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:07:00 PM USER: brieder
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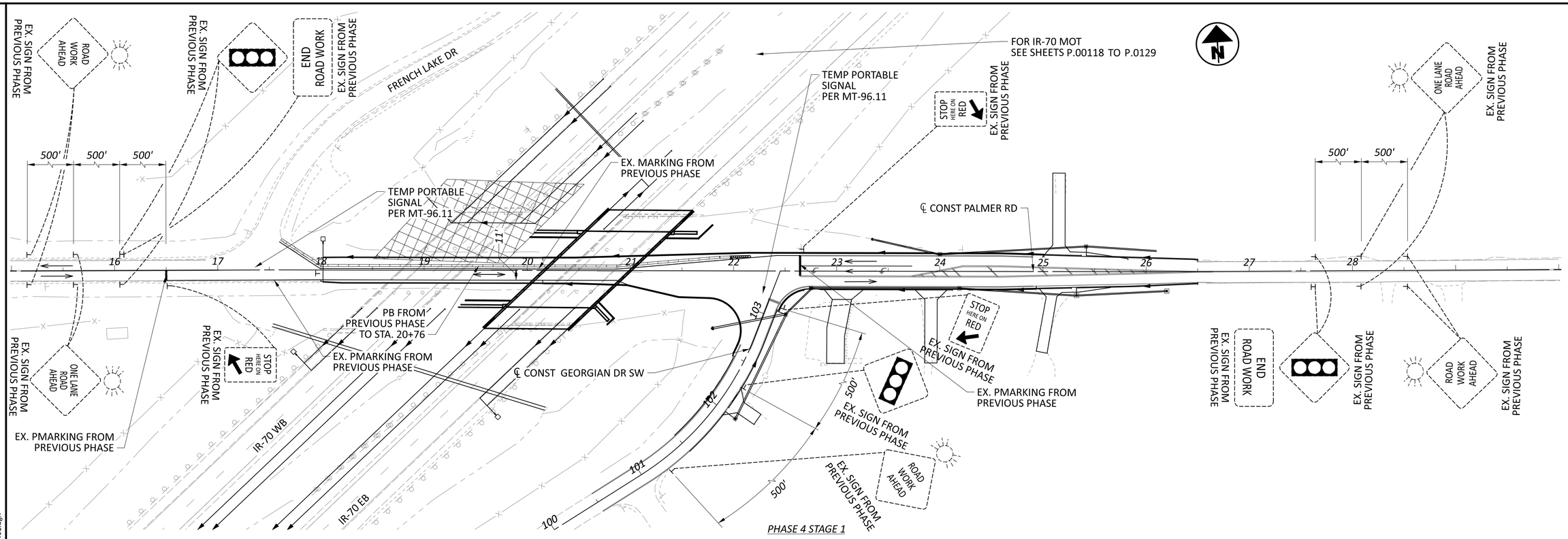
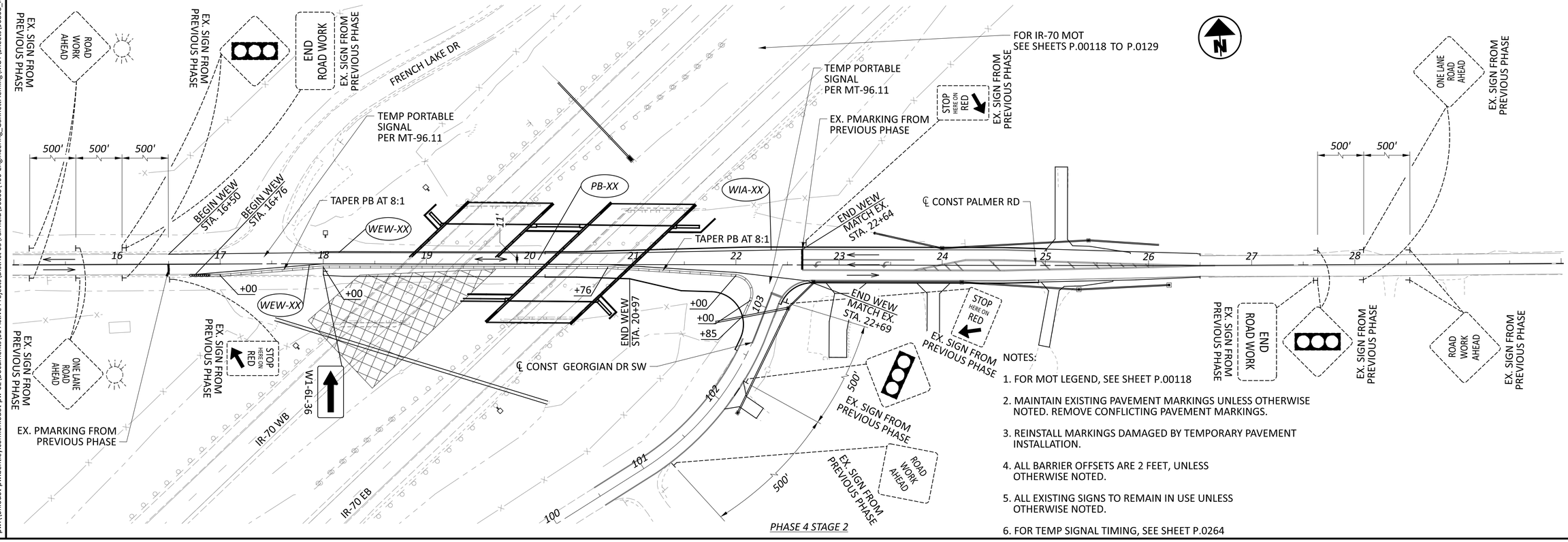
MAINTENANCE OF TRAFFIC - PHASE 4 STAGE 1/2
PALMER ROAD - STA 16+50 TO STA 28+00

HORIZONTAL SCALE IN FEET
0 25 50 100





NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
5. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
6. FOR TEMP SIGNAL TIMING, SEE SHEET P.0264

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0182
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
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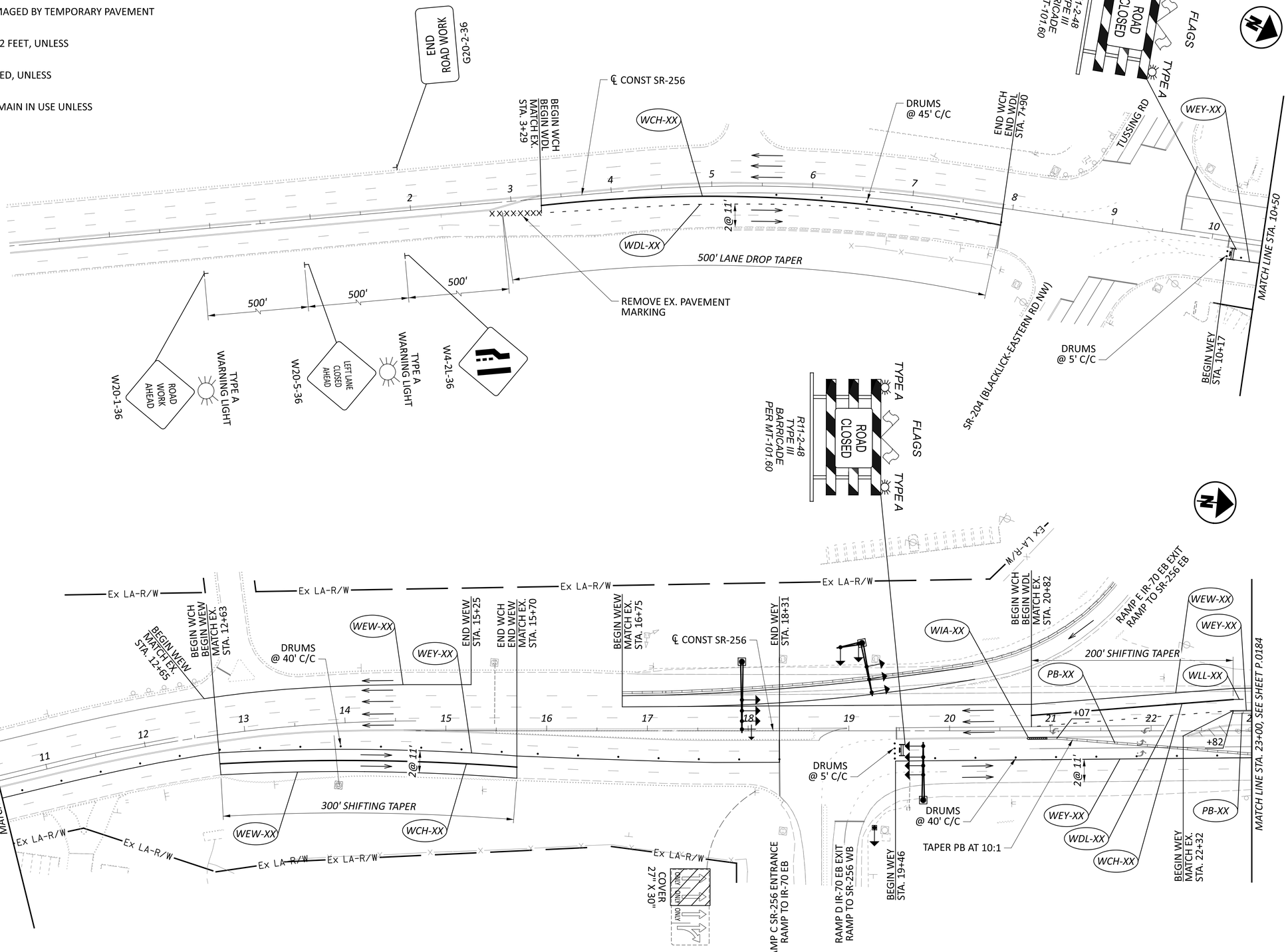
5. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2A
SR-256 - STA 2+00 TO STA 23+00

DESIGN AGENCY	GANNETT FLEMING
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0183
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP271 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:07:53 PM USER: brieder
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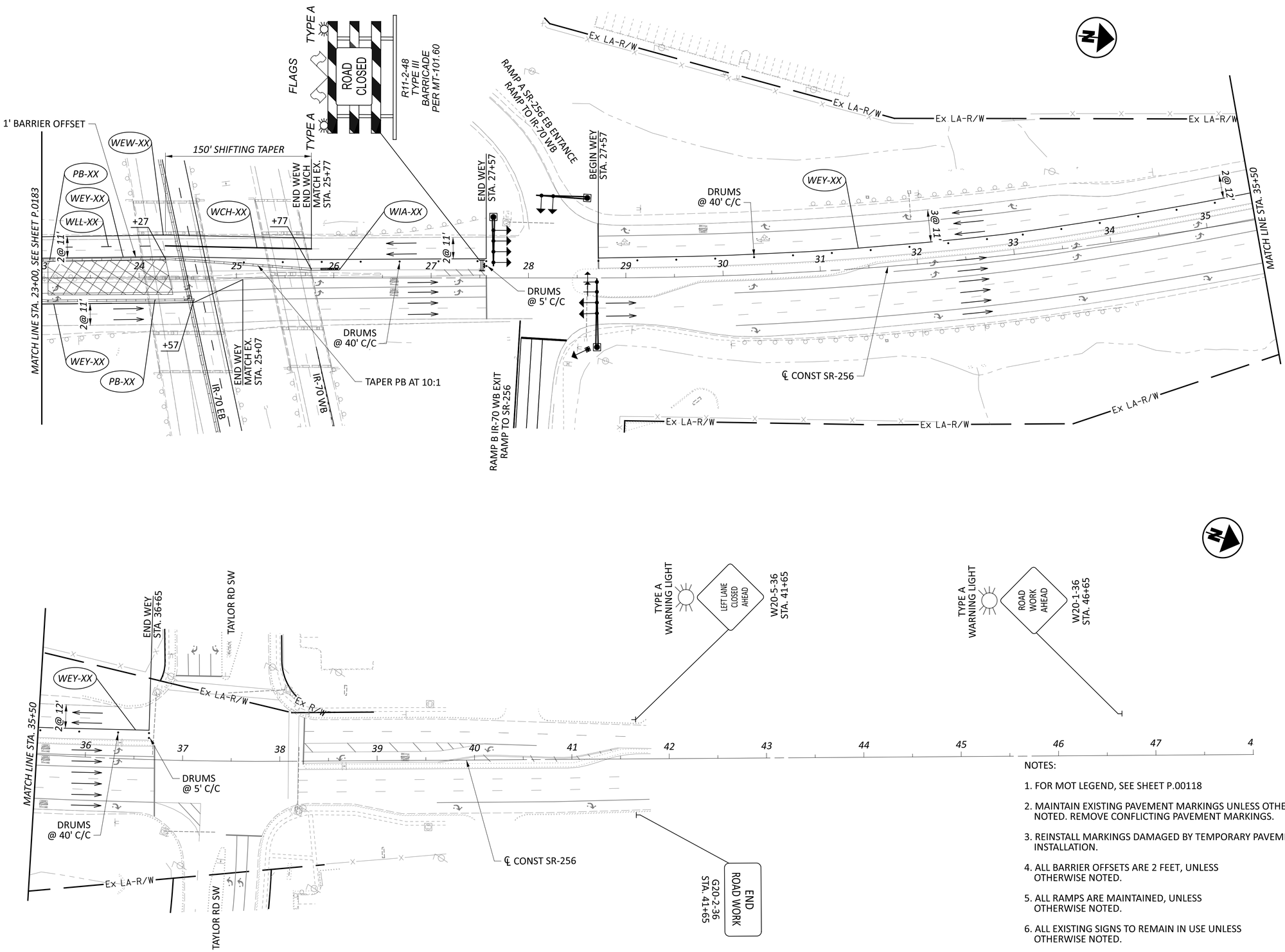

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
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6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PLANS, SEE SHEET P.0261
8. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2A
SR-256 - STA 23+00 TO STA 49+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0184
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP272 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:08:07 PM USER: brieder
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NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
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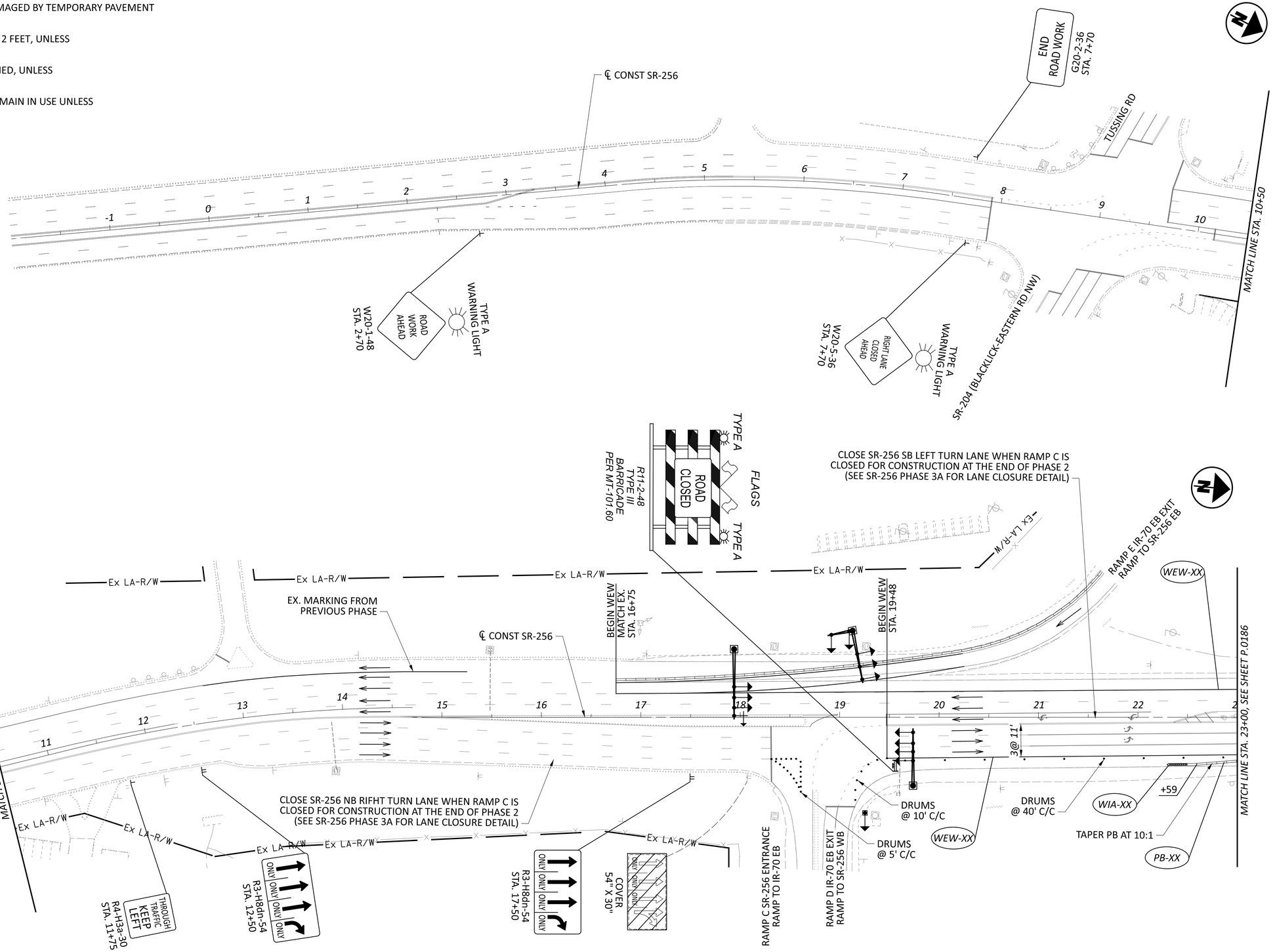
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 2B
SR-256 - STA 2+00 TO STA 23+00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY: GANNETT FLEMING
DESIGNER: TCW
REVIEWER: DRJ 04/25/25
PROJECT ID: 96808
SHEET: P.0185 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP274 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:08:35 PM USER: brieder
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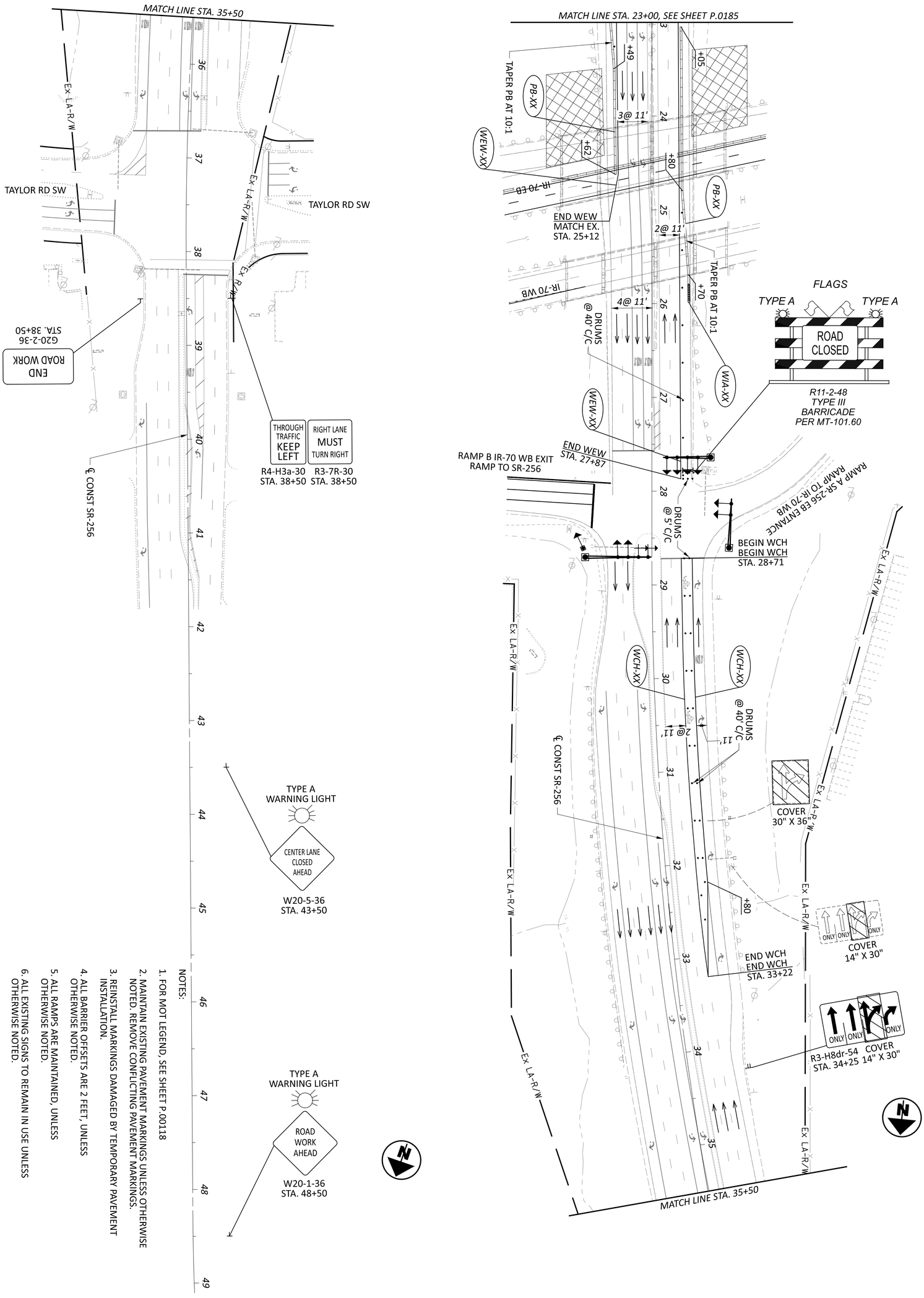

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
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7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PLANS, SEE SHEET P.0261
8. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

DESIGN AGENCY: GANNETT FLEMING	DESIGNER: TCW	REVIEWER: DRJ 04/25/25	PROJECT ID: 96808	SHEET: P.0186 TOTAL: P.1556

MAINTENANCE OF TRAFFIC - PHASE 2B
SR-256 - STA 23+00 TO STA 49+00

HORIZONTAL SCALE IN FEET
0 25 50 100

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
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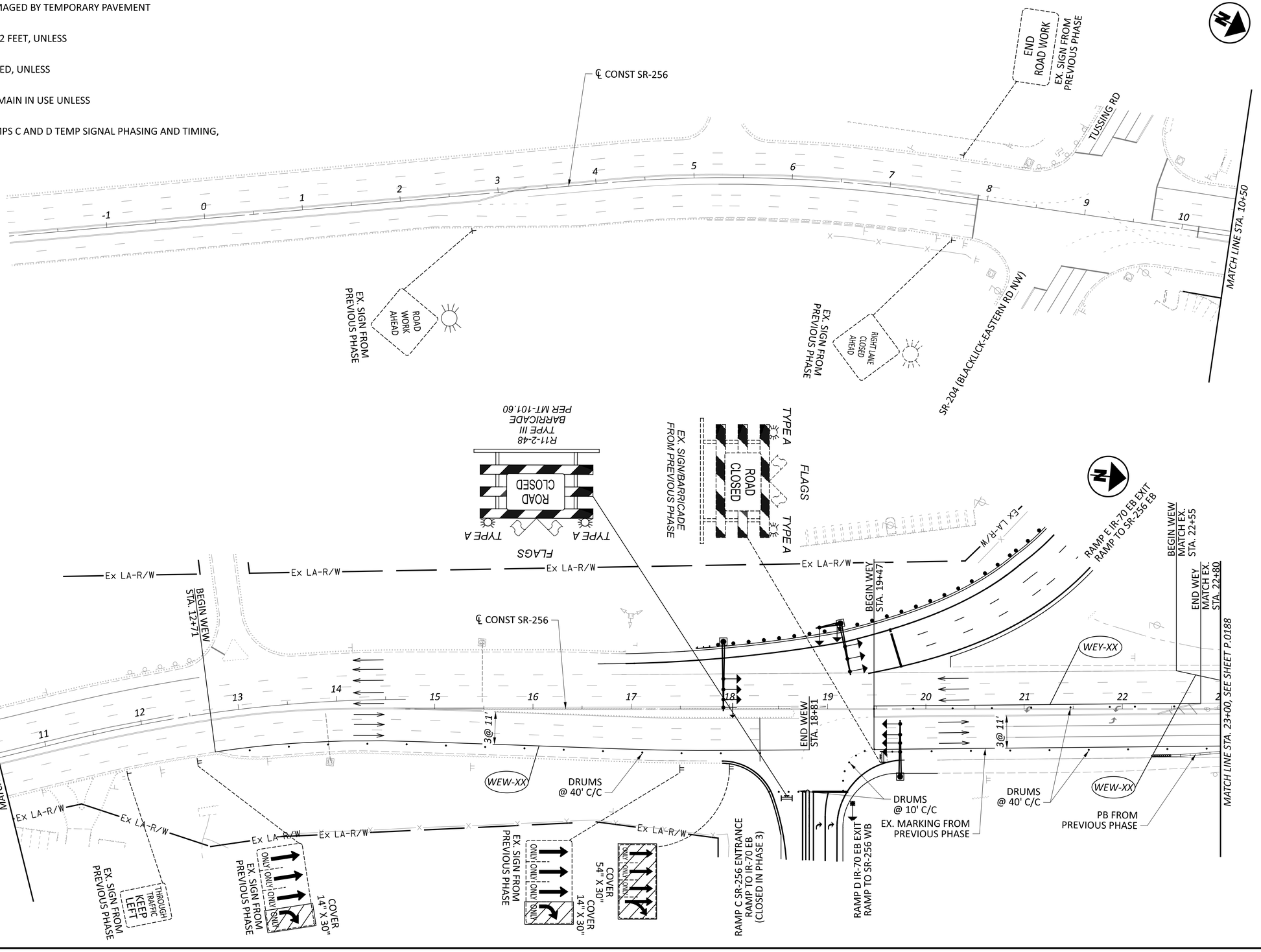
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 EB RAMPS C AND D TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0262



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3A
SR-256 - STA 2+00 TO STA 23+00

FAI/LIC-IR 70-0.00/0.00

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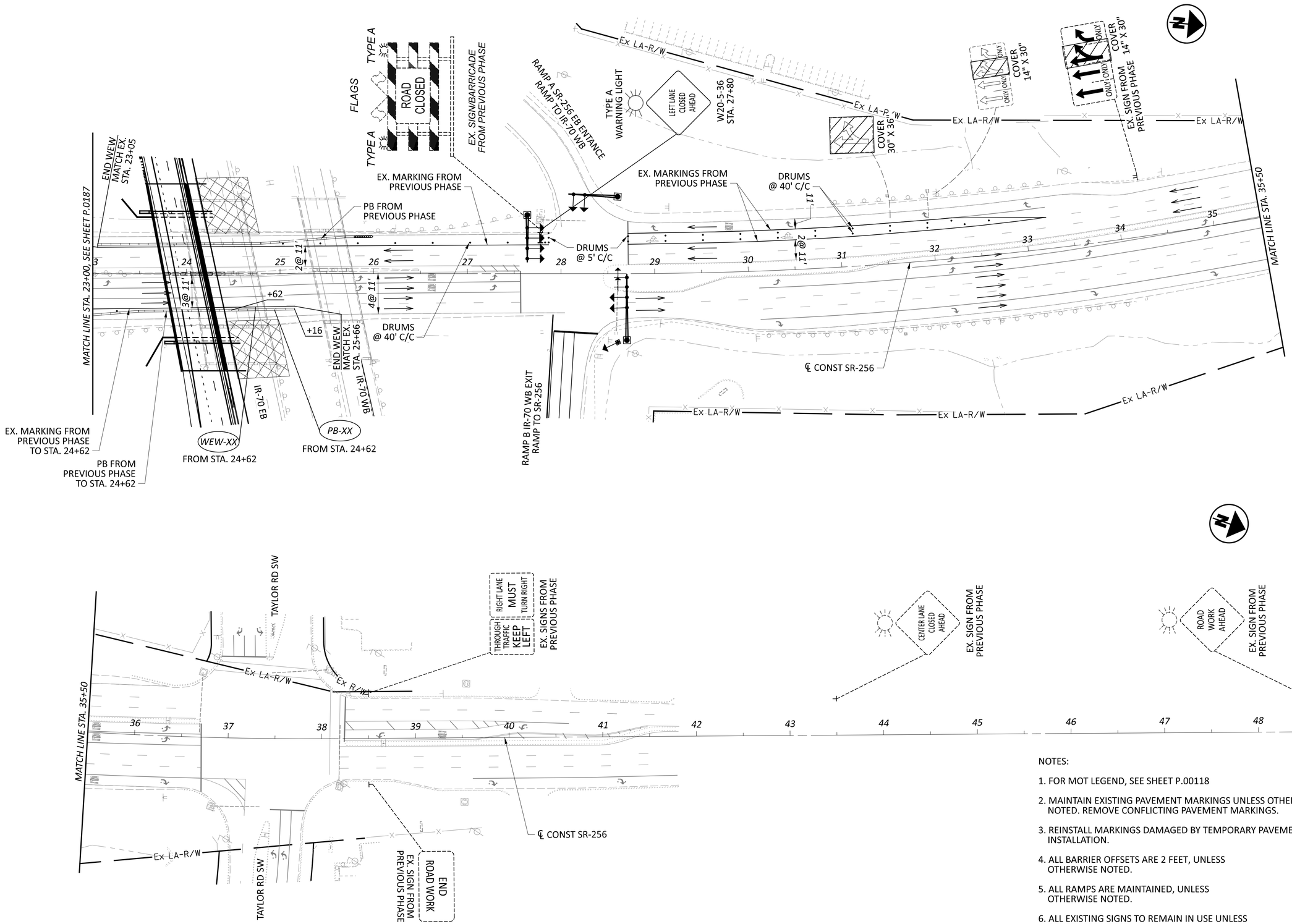
DESIGN AGENCY: GANNETT FLEMING
DESIGNER: TCW
REVIEWER: DRJ 04/25/25
PROJECT ID: 96808
SHEET: P.0187 TOTAL: P.1556



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
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5. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3A
SR-256 - STA 23+00 TO STA 49+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0188
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP372 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:09:03 PM USER: brieder
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NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
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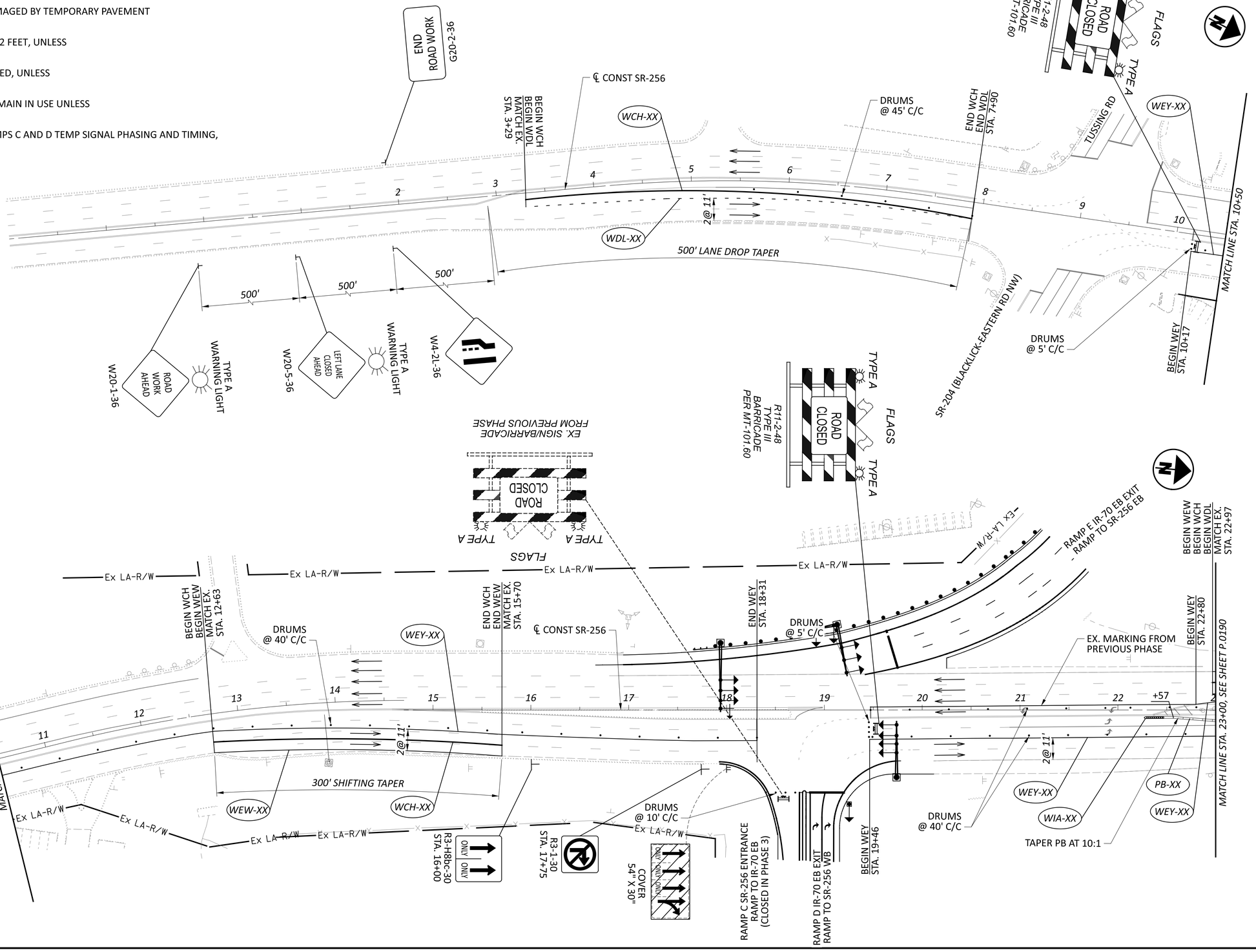
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 EB RAMPS C AND D TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0262



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3B
SR-256 - STA 2+00 TO STA 23+00

DESIGN AGENCY	GANNETT FLEMING
DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0189
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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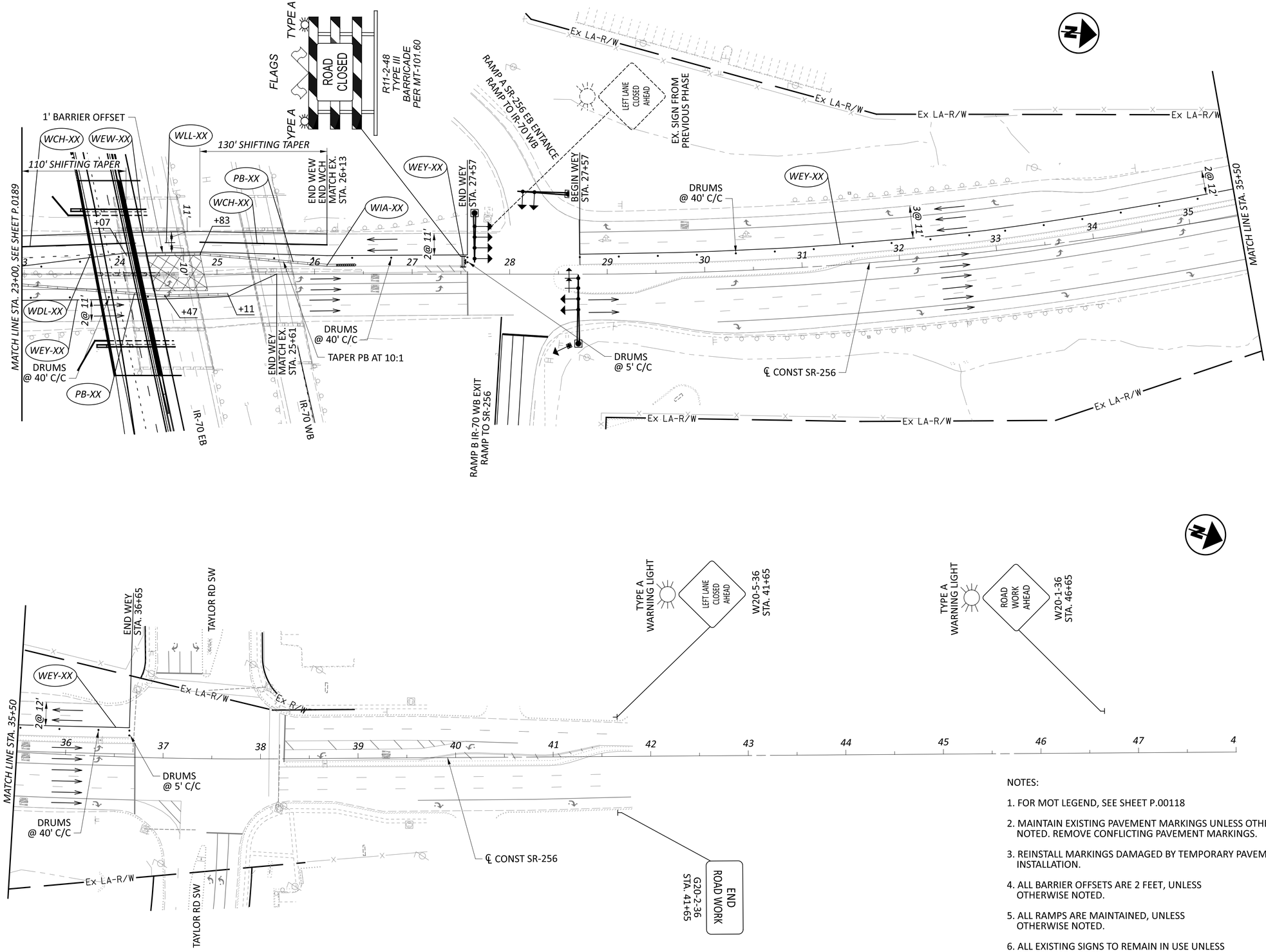

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
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6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 3B
SR-256 - STA 23+00 TO STA 49+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0190
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP374 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:09:37 PM USER: brieder
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NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
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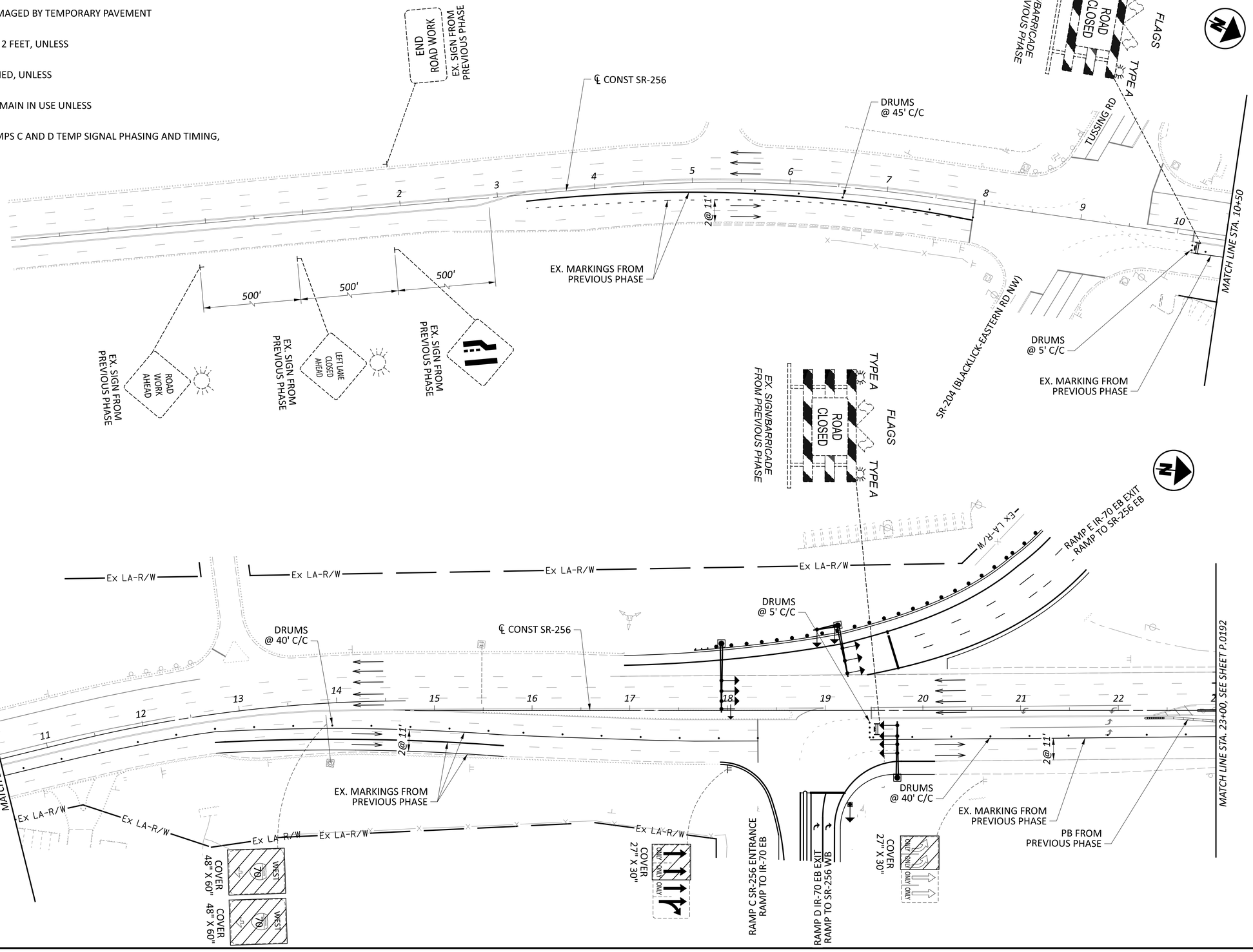
7. FOR SR-256 / IR-70 EB RAMPS C AND D TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0268



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A STAGE 1
SR-256 - STA 2+00 TO STA 23+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0191 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP471 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:10:00 PM USER: brieder
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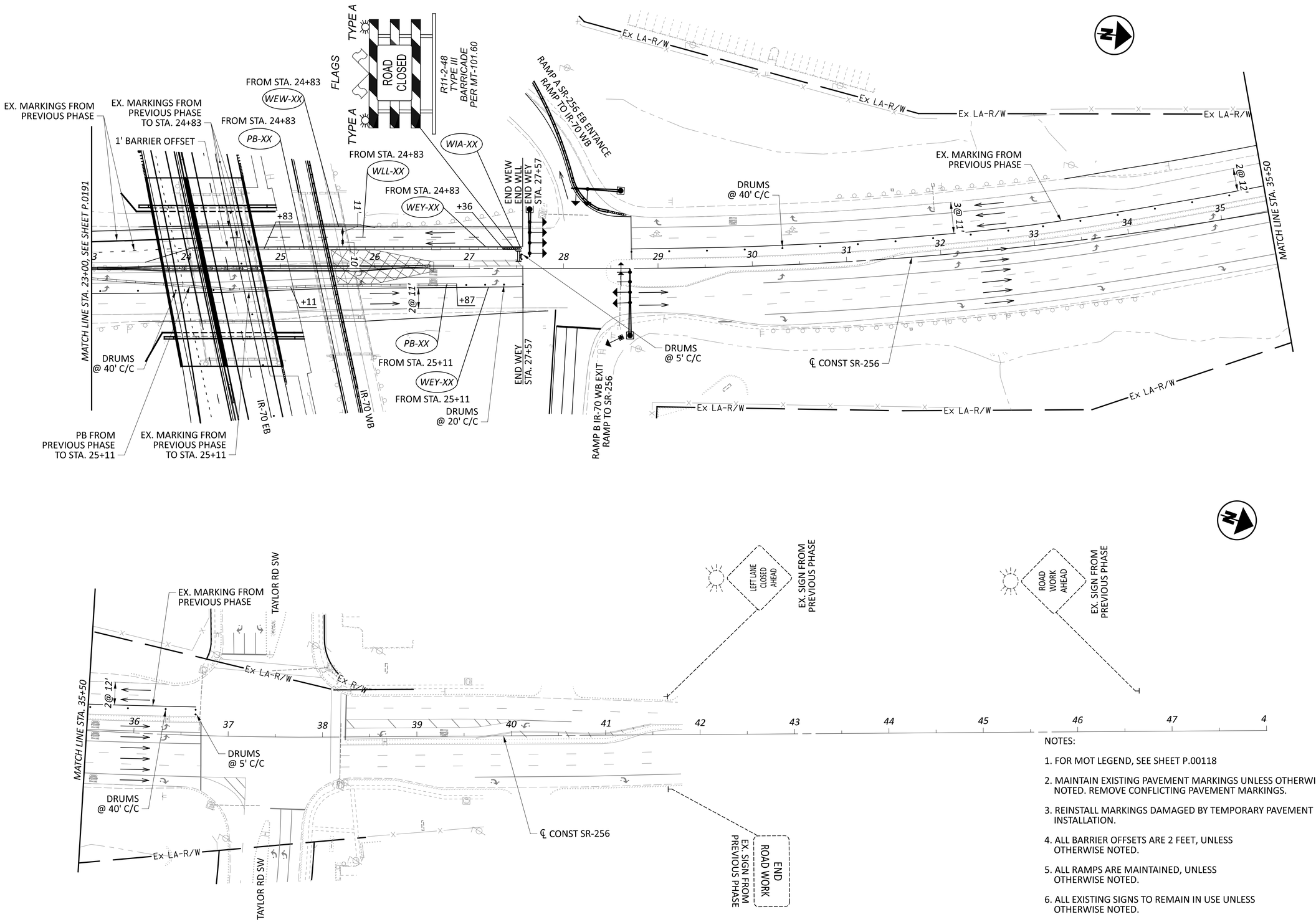

NOTES:

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6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR TRAFFIC DETOUR WHEN THE SR-256 WB LT LANES TO IR-70 RAMP A ARE CLOSED, SEE SHEET P.0259
8. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4A STAGE 1
SR-256 - STA 23+00 TO STA 49+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0192
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP472 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:10:17 PM USER: brieder
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MODEL: 96808_MP473 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:10:32 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MP473.dgn

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
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7. FOR SR-256 / IR-70 EB RAMPS C AND D TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0268

MATCH LINE STA. 10+50

Ex LA-R/W

℄ CONST SR-256

R4-H3a-30
STA. 11+75
THROUGH TRAFFIC KEEP LEFT

R3-H8dn-54
STA. 12+50
ONLY

R3-H8dn-54
STA. 17+50
ONLY

54" X 30"
COVER

RAMP C SR-256 ENTRANCE
RAMP TO IR-70 EB

DRUMS
@ 5' C/C

R11-2-48
TYPE III
BARRICADE
PER MT-101.60

ROAD CLOSED

TYPE A

FLAGS

RAMP D IR-70 EB EXIT
RAMP TO SR-256 WB

BEGIN WEW
STA. 19+48

R3-H8ca-48
STA. 20+50
ONLY

DRUMS
@ 10' C/C

54" X 30"
COVER

3@ 11'

DRUMS
@ 40' C/C

WEW-XX

RAMP E IR-70 EB EXIT
RAMP TO SR-256 EB

MATCH LINE STA. 23+00, SEE SHEET P.0194

W20-1-48
STA. 2+70
ROAD WORK AHEAD

TYPE A
WARNING LIGHT

W20-5-36
STA. 7+70
RIGHT LANE CLOSED AHEAD

TYPE A
WARNING LIGHT

SR-204 (BLACKLICK-EASTERN RD NW)

END
ROAD WORK
G20-2-36
STA. 7+70

TUSSING RD

MATCH LINE STA. 10+50

MAINTENANCE OF TRAFFIC - PHASE 4A STAGE 2
SR-256 - STA 2+00 TO STA 23+00

SHEET	TOTAL
P.0193	P.1556

PROJECT ID: 96808
REVIEWER: DRJ 04/25/25
DESIGNER: TCW
DESIGN AGENCY: GANNETT FLEMING

HORIZONTAL SCALE IN FEET
0 50
25 100

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP474 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:10:46 PM USER: brieder
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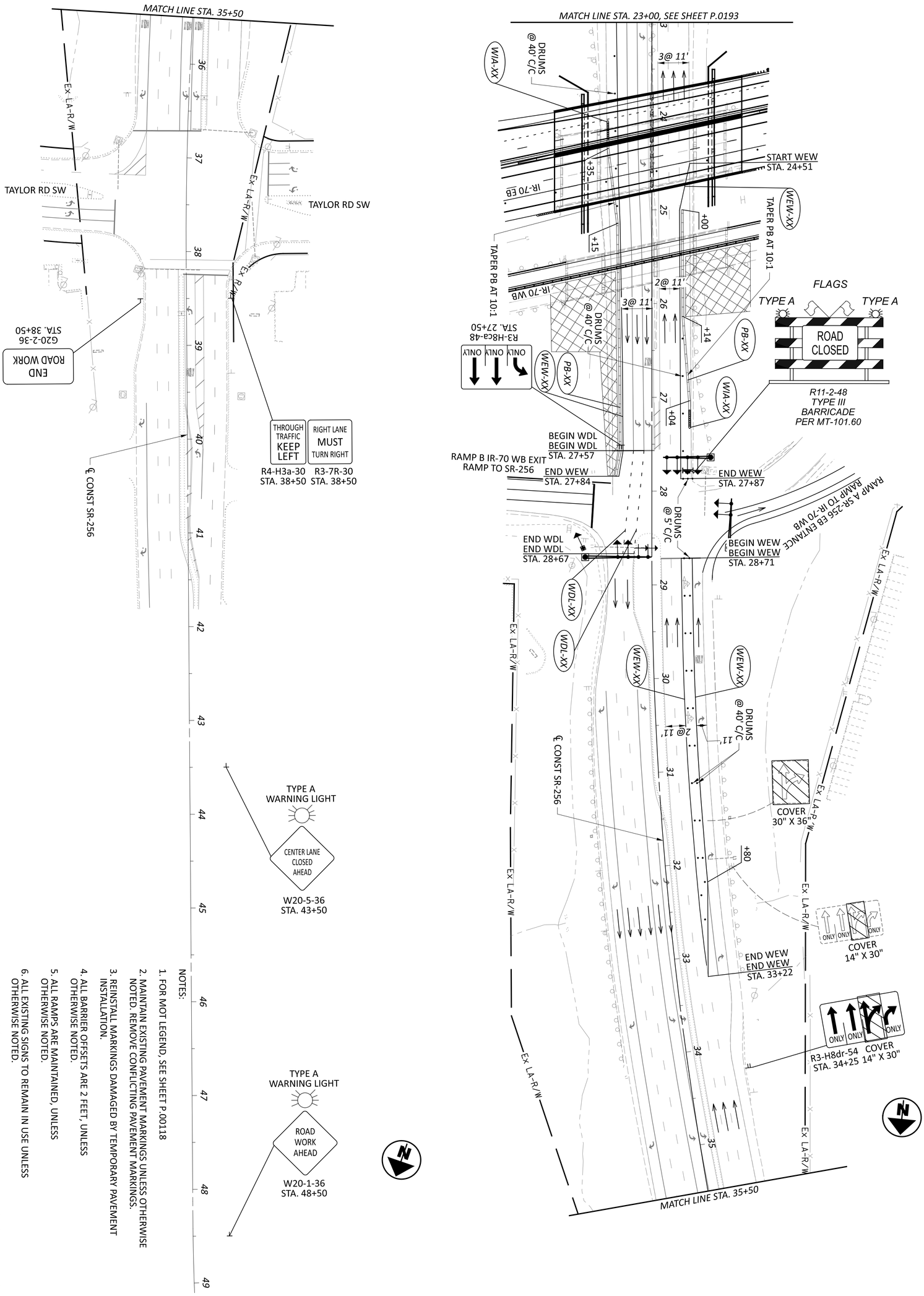

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
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7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

SHEET P.0194	TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW
DESIGN AGENCY GANNETT FLEMING				

MAINTENANCE OF TRAFFIC - PHASE 4A STAGE 2
SR-256 - STA 23+00 TO STA 49+00

HORIZONTAL SCALE IN FEET
0 25 50 100

MODEL: 96808_MP571 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:11:01 PM USER: brieder
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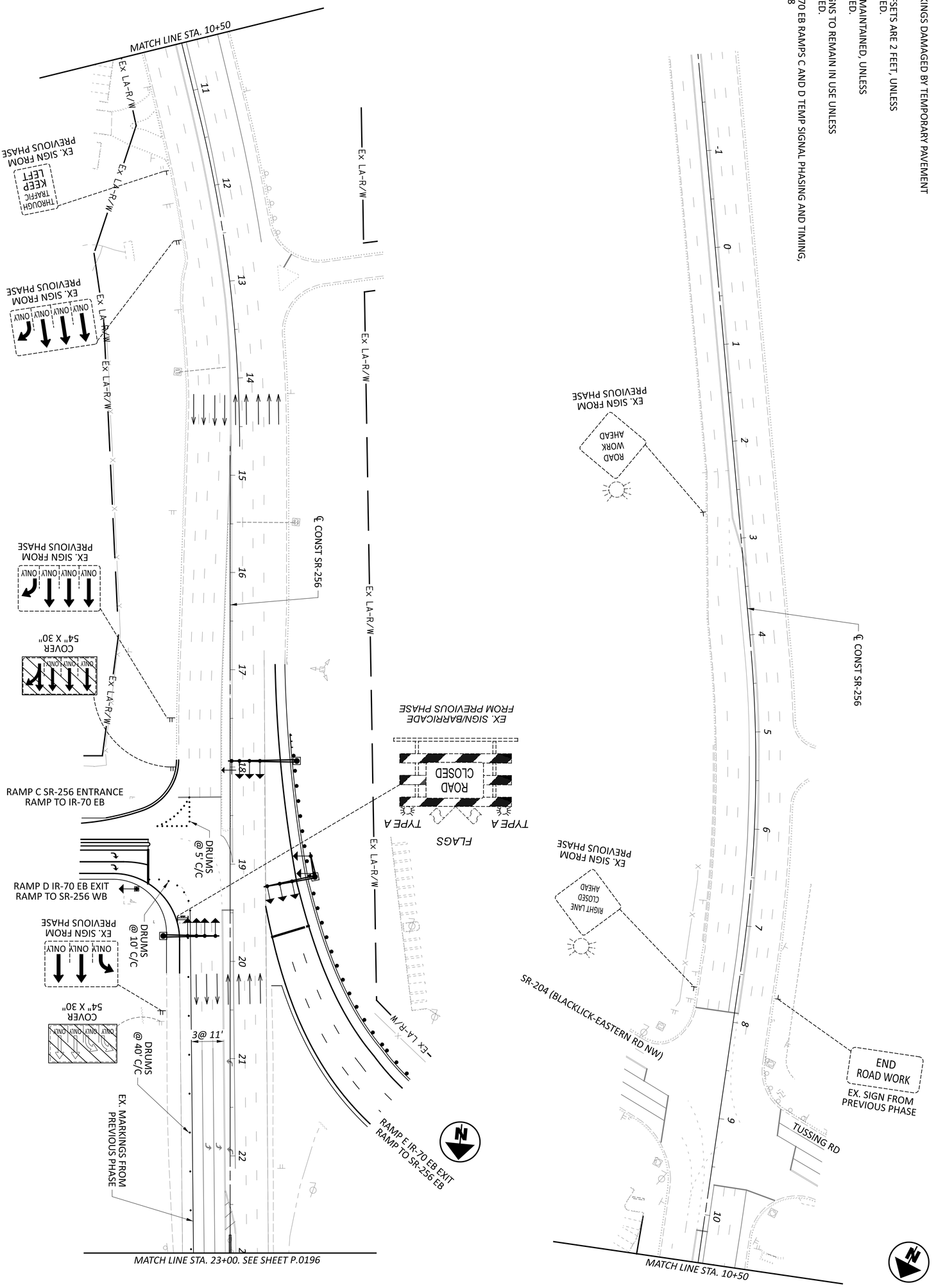
NOTES:

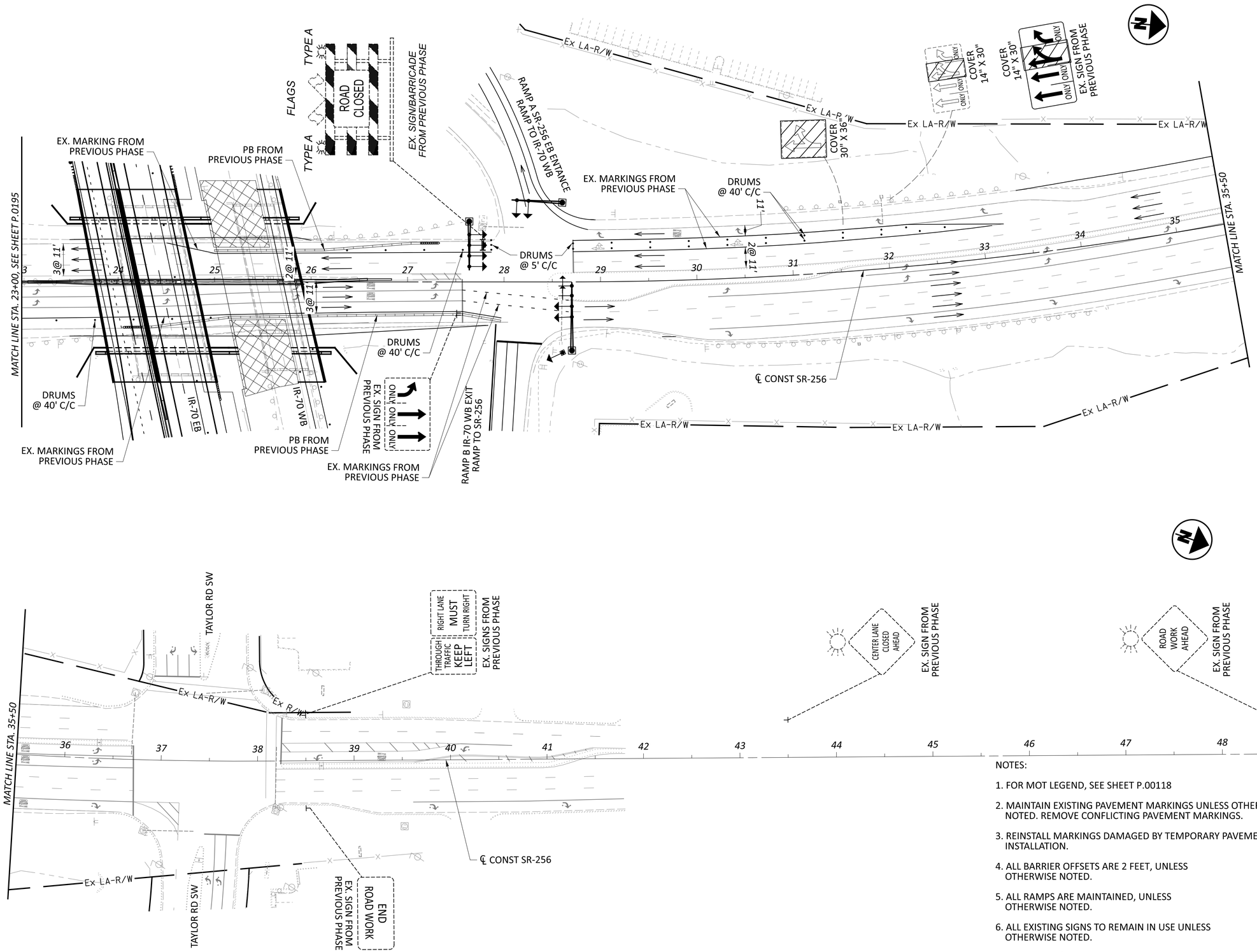
1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
5. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 EB RAMPS C AND D TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0268



SHEET P.0195 TOTAL P.1556	PROJECT ID 96808	REVIEWER DRJ 04/25/25	DESIGNER TCW	GANNETT FLEMING — DESIGN AGENCY

MAINTENANCE OF TRAFFIC - PHASE 4B STAGE 1
SR-256 - STA 2+00 TO STA 23+00

HORIZONTAL SCALE IN FEET
0 50
25 100



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
5. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B STAGE 1
SR-256 - STA 23+00 TO STA 49+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0196 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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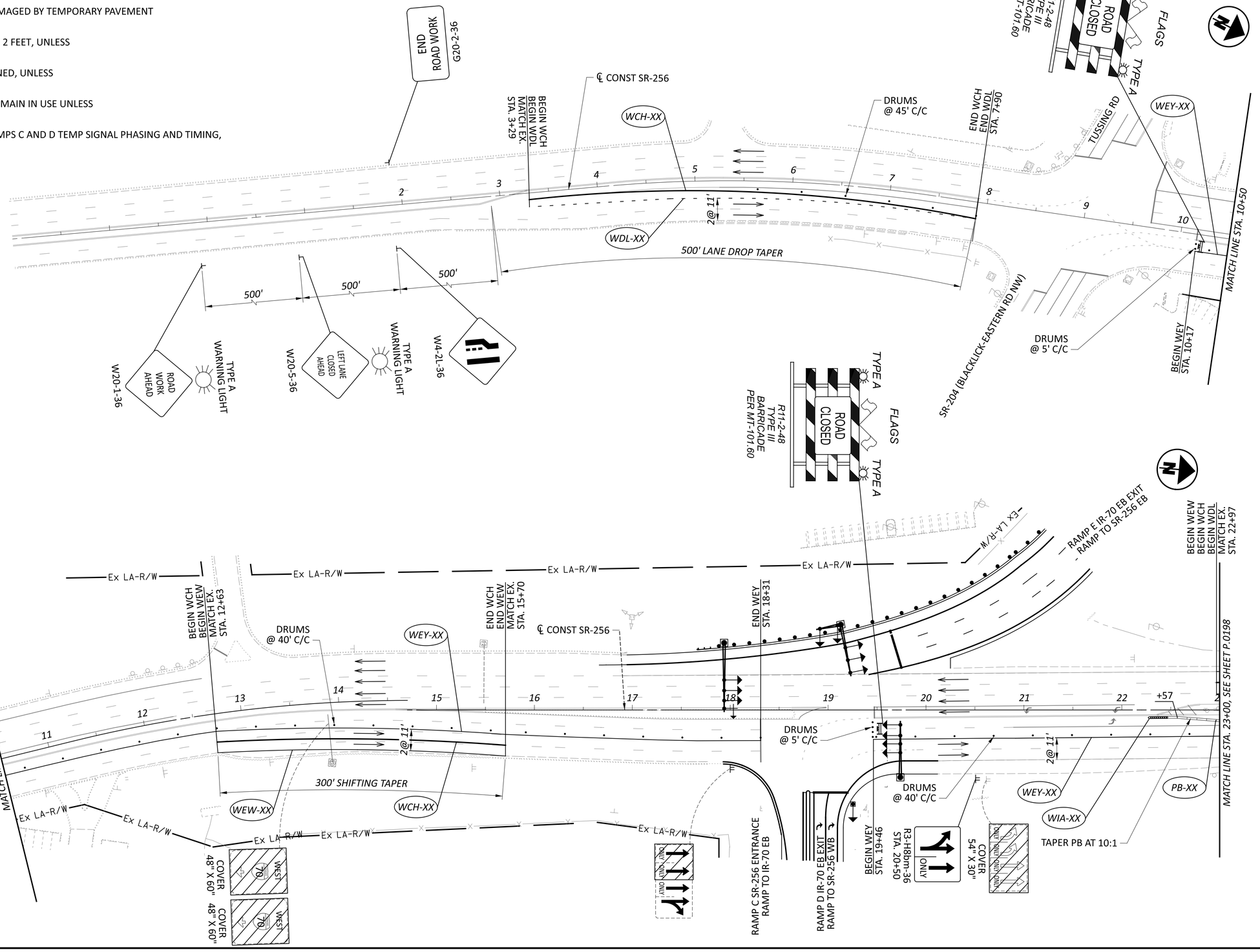
NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
5. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 EB RAMPS C AND D TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0268



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B STAGE 2
SR-256 - STA 2+00 TO STA 23+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0197
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_MP573 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:11:35 PM USER: brieder
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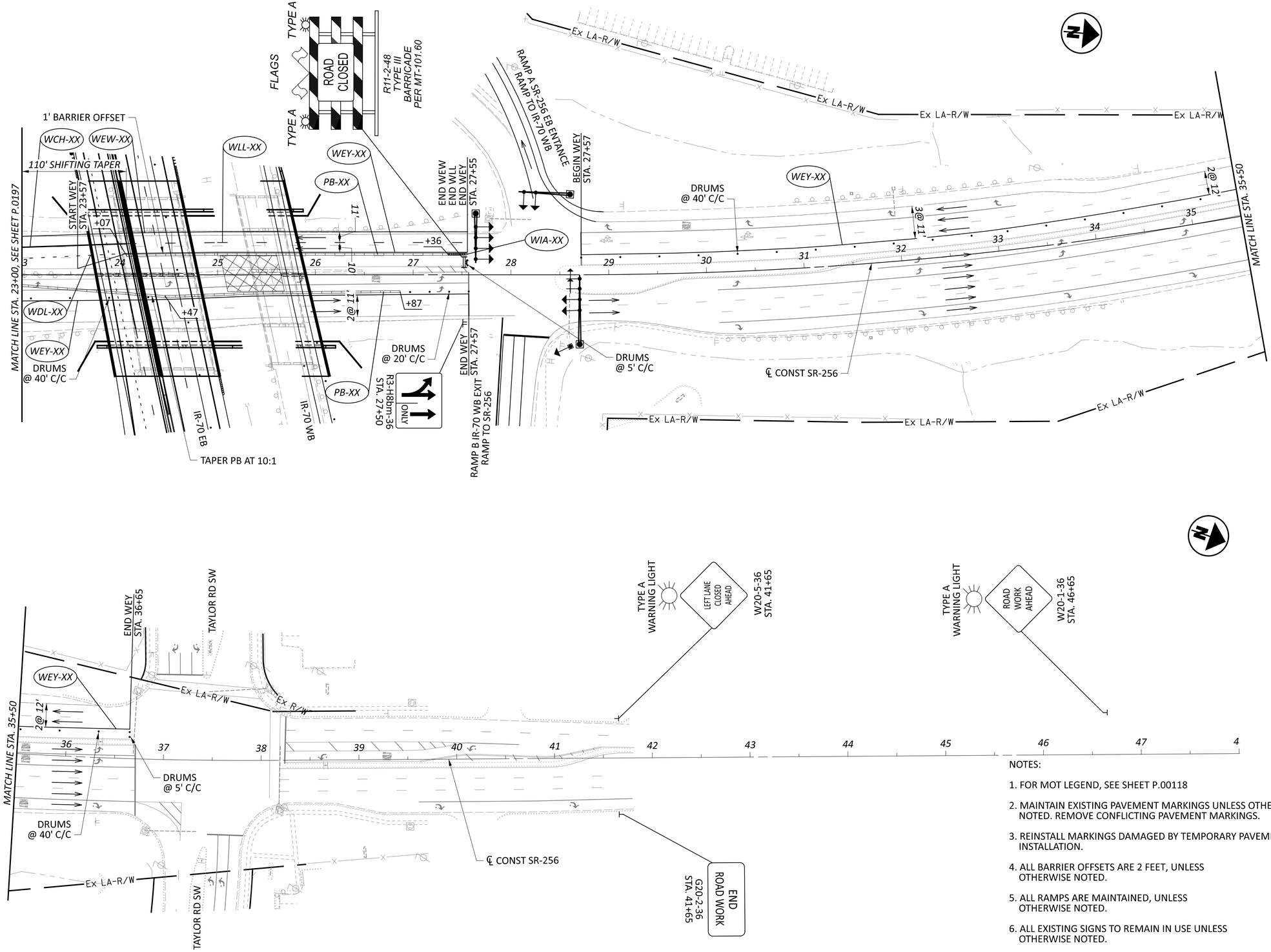

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.00118
2. MAINTAIN EXISTING PAVEMENT MARKINGS UNLESS OTHERWISE NOTED. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. REINSTALL MARKINGS DAMAGED BY TEMPORARY PAVEMENT INSTALLATION.
4. ALL BARRIER OFFSETS ARE 2 FEET, UNLESS OTHERWISE NOTED.
5. ALL RAMPS ARE MAINTAINED, UNLESS OTHERWISE NOTED.
6. ALL EXISTING SIGNS TO REMAIN IN USE UNLESS OTHERWISE NOTED.
7. FOR SR-256 / IR-70 WB EXIT RAMP A TEMP SIGNAL PHASING AND TIMING, SEE SHEET P.0265

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - PHASE 4B STAGE 2
SR-256 - STA 23+00 TO STA 49+00

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0198 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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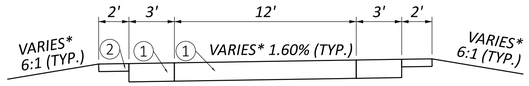
X-1 CURVE DATA
P.I. = STA. 23+56.56
Δ = 08°42'06" LT
Dc = 01°29'18"
R = 3,850.00'
T = 292.92'
L = 584.70'
E = 11.13'

LEGEND

1 ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A

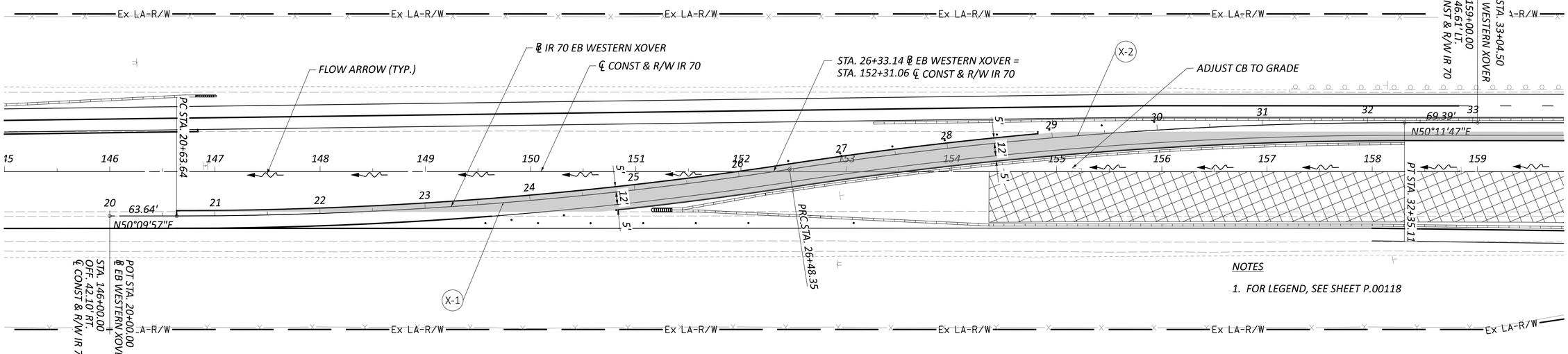
2 ITEM 304 - 6" AGGREGATE BASE

* SEE XOVER CROSS SECTIONS FOR DETAILS



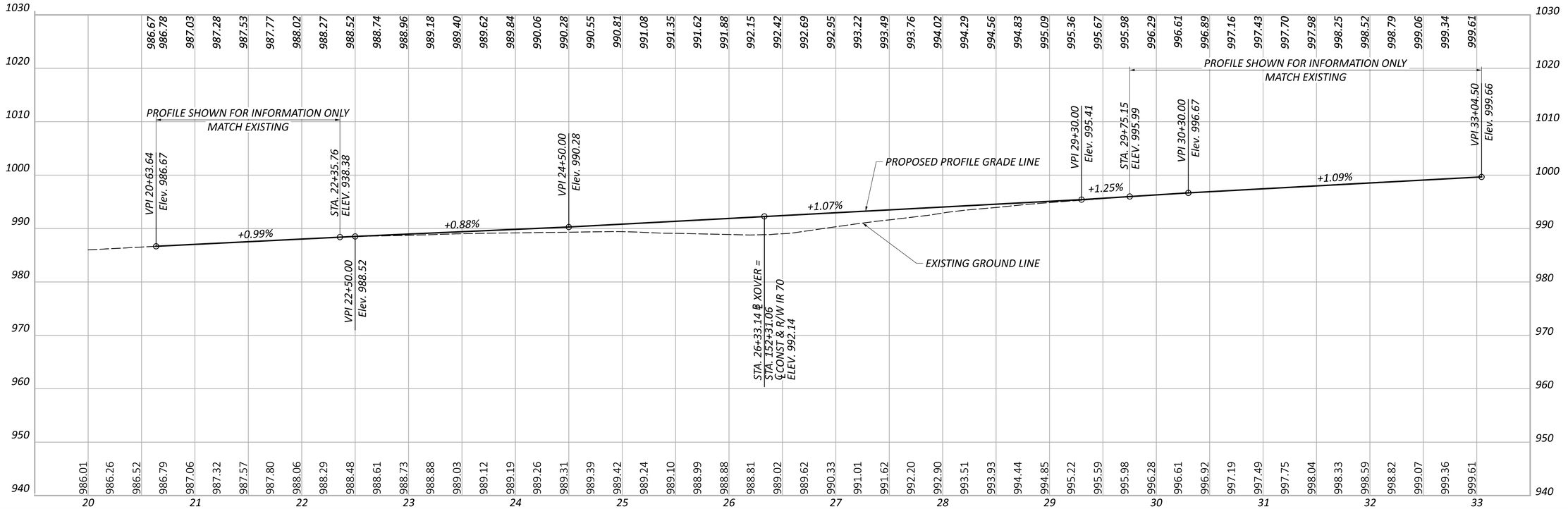
TYPICAL SECTION FOR EB WESTERN CROSSOVER

X-2 CURVE DATA
P.I. = STA. 29+42.30
Δ = 08°43'56" RT
Dc = 01°29'18"
R = 3,850.00'
T = 293.95'
L = 586.76'
E = 11.21'



NOTES

1. FOR LEGEND, SEE SHEET P.00118



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLAN

DESIGN AGENCY
GANNETT FLEMING

DESIGNER JAS
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0199 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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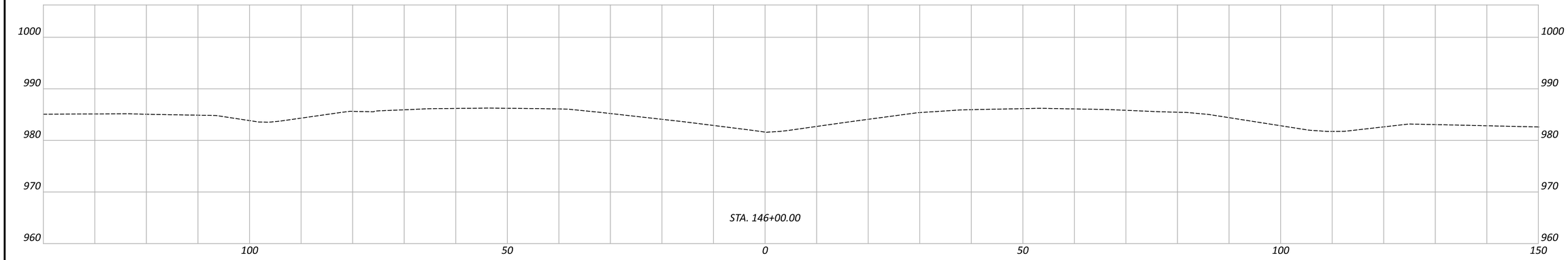

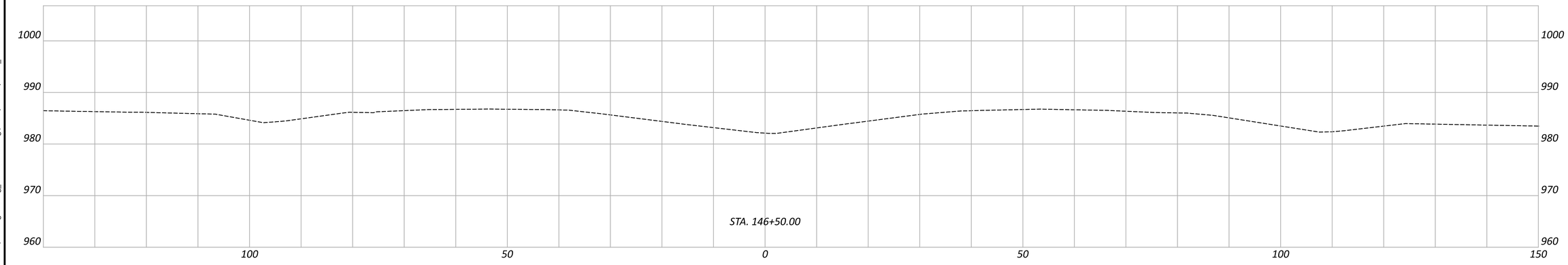

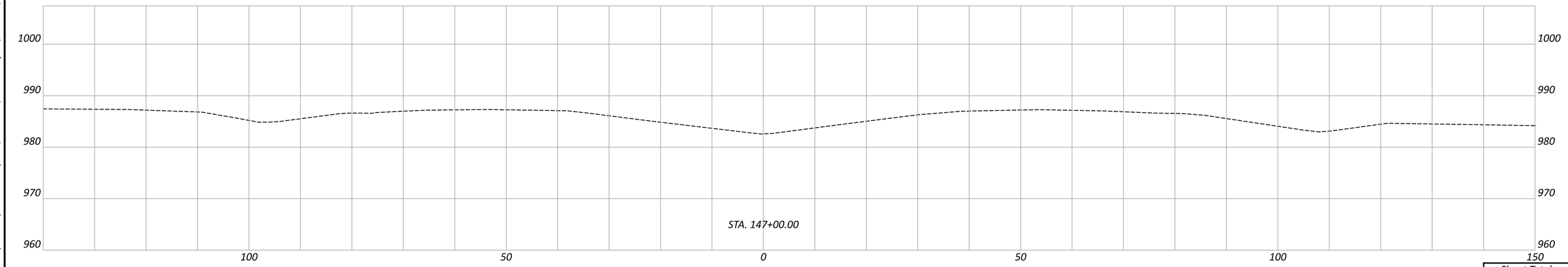

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0200	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT 1 XSC - A 147+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:12:18 PM USER: brieder
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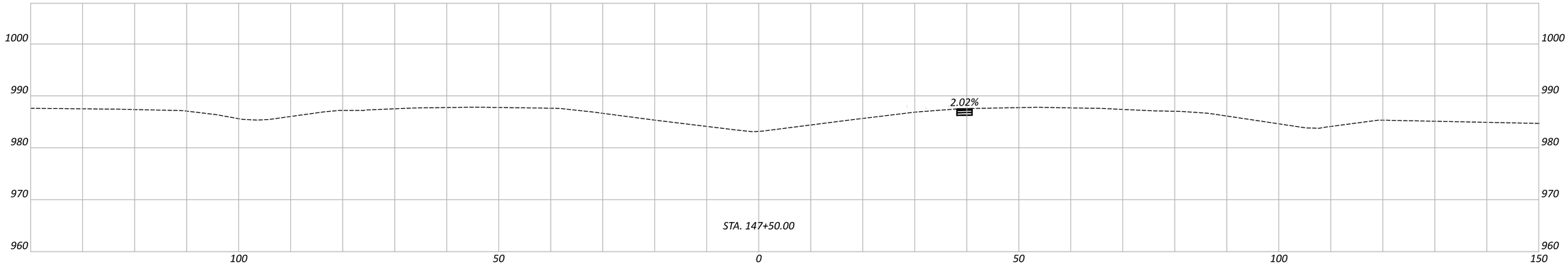

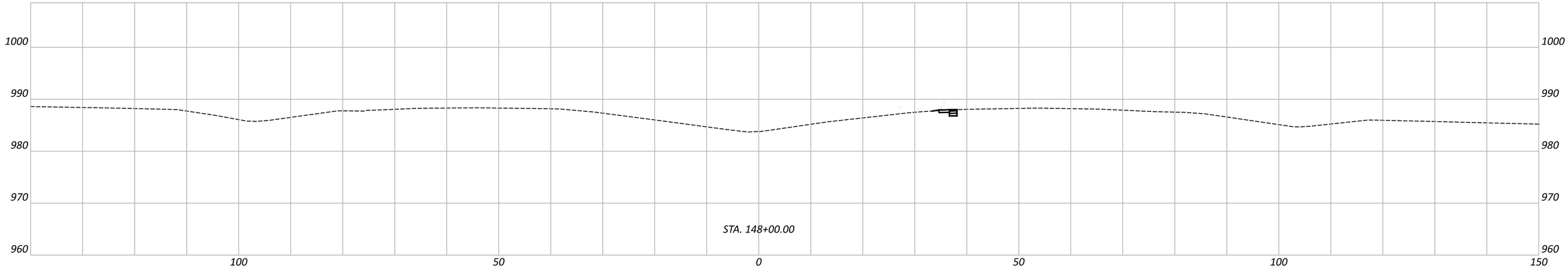

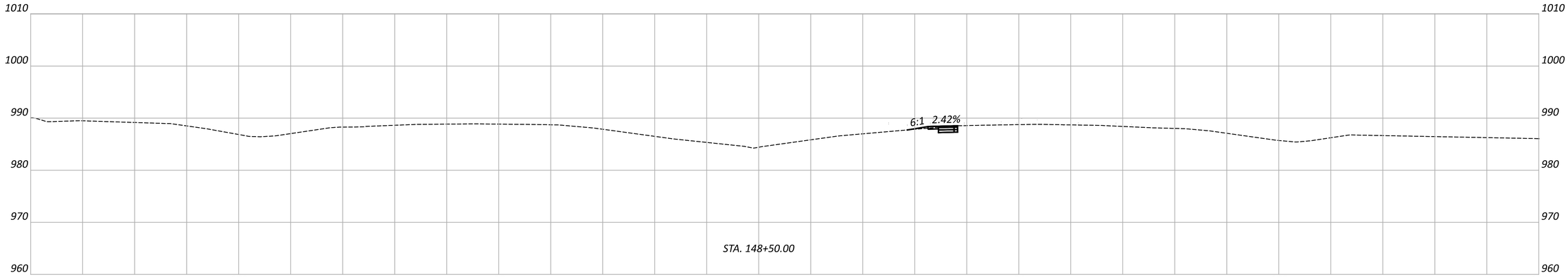

Sheet Totals		
Seeding	Cut	Fill

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

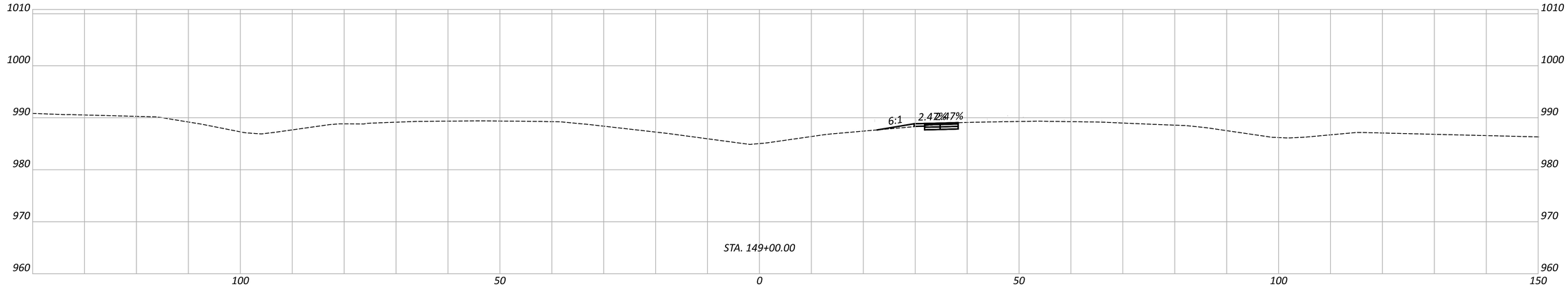
DESIGN AGENCY
GANNETT FLEMING

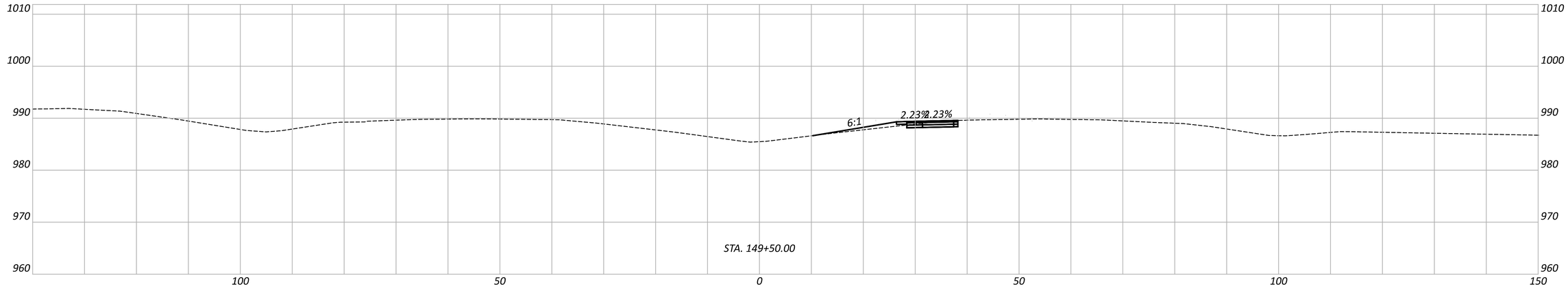
DESIGNER
JAS

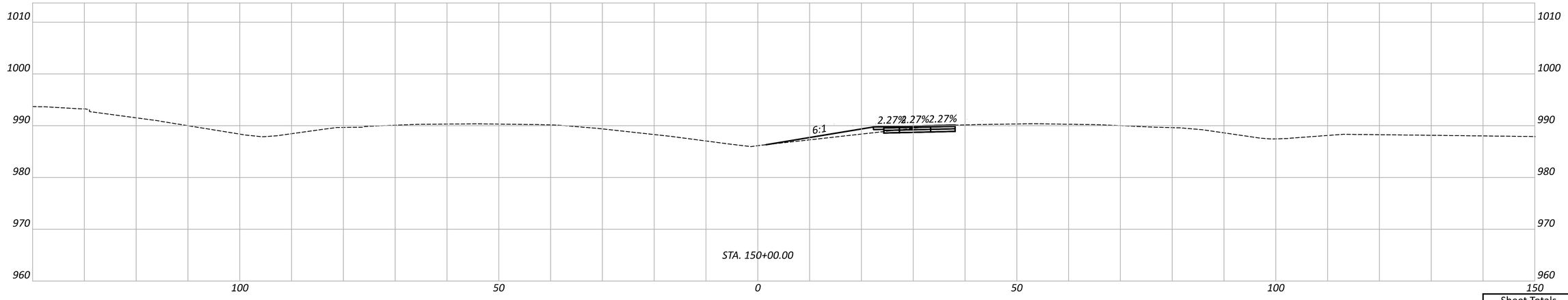
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0201 TOTAL P.1556







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0202	P.1556

FAI/LIC-IR 70-0.00/0.00

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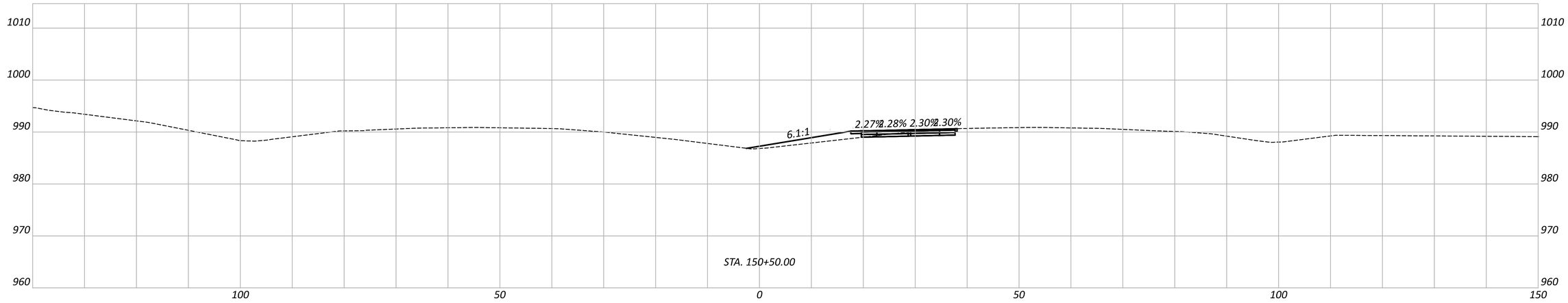

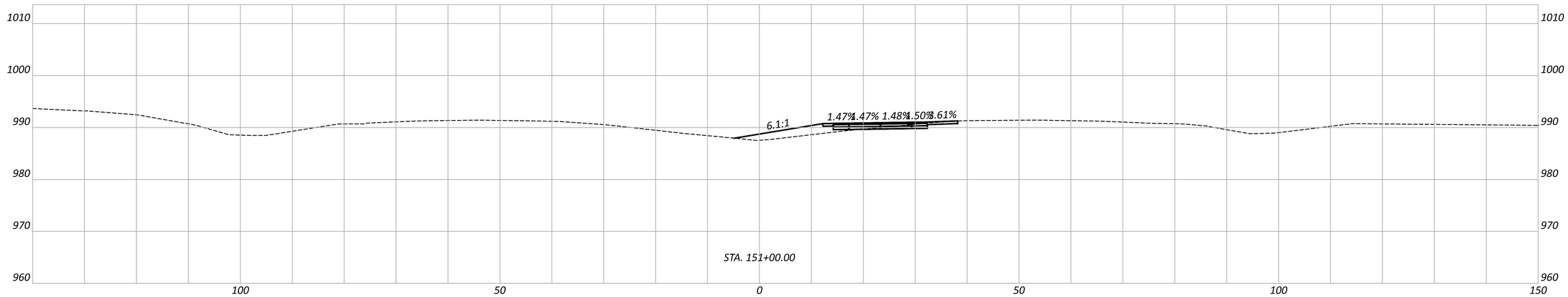

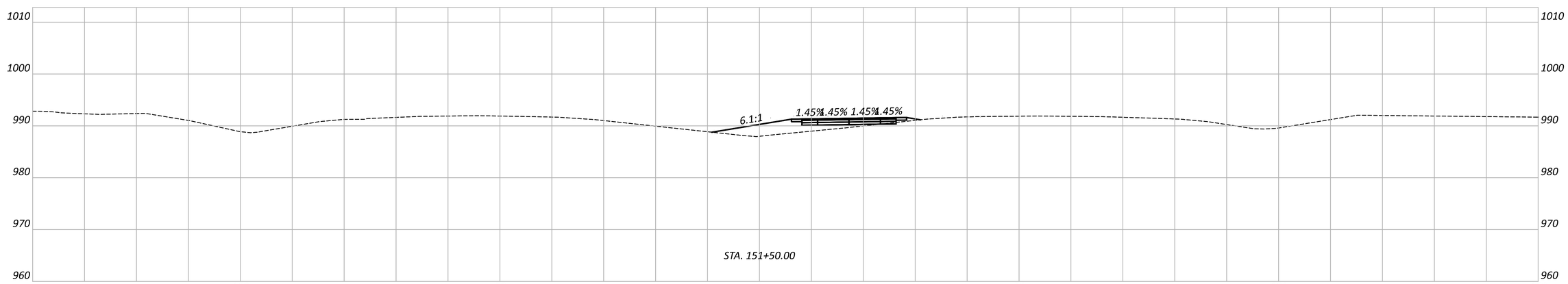

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

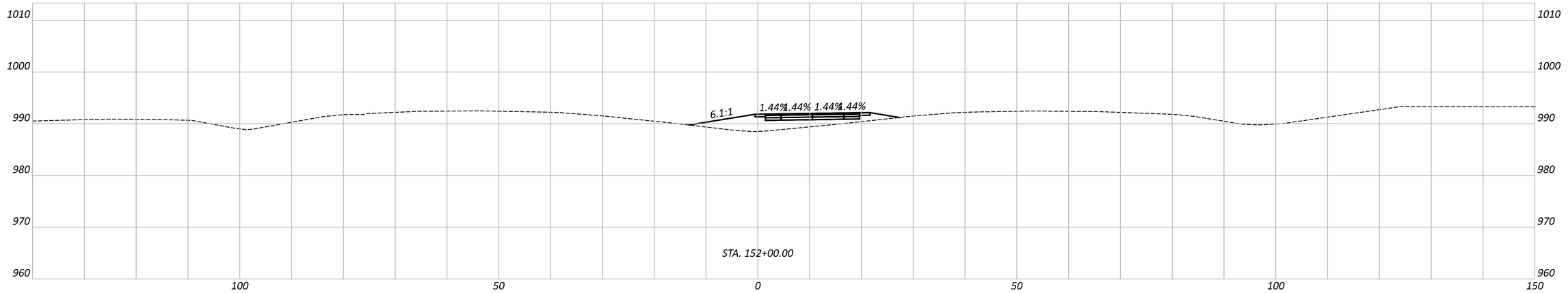
DESIGN AGENCY
GANNETT FLEMING

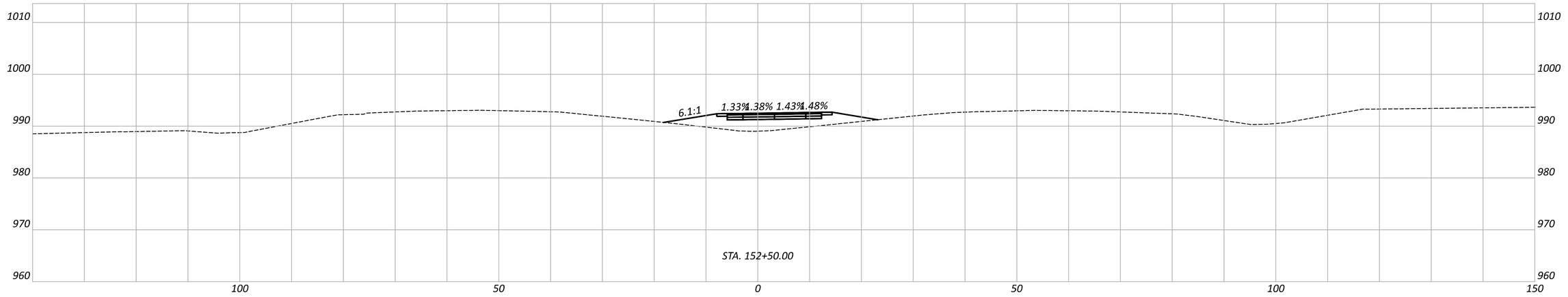
DESIGNER
JAS

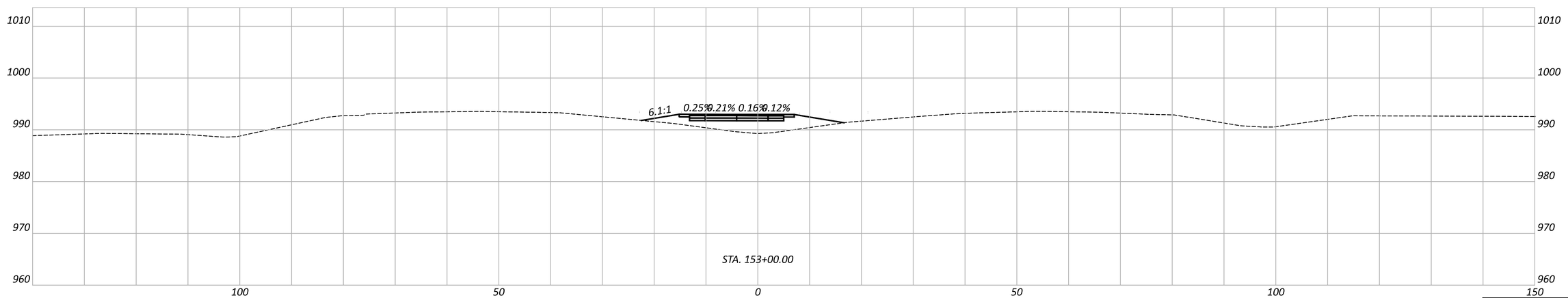
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0203	P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

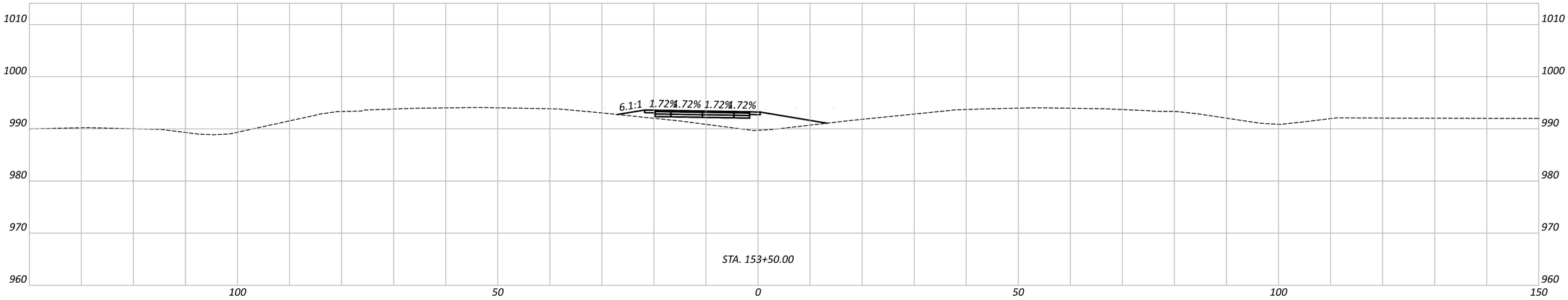
DESIGN AGENCY
GANNETT FLEMING

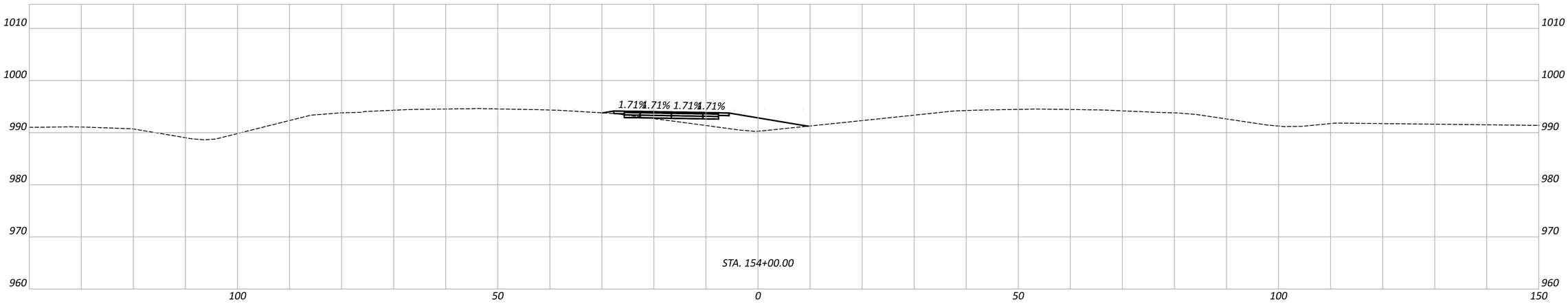
DESIGNER
JAS

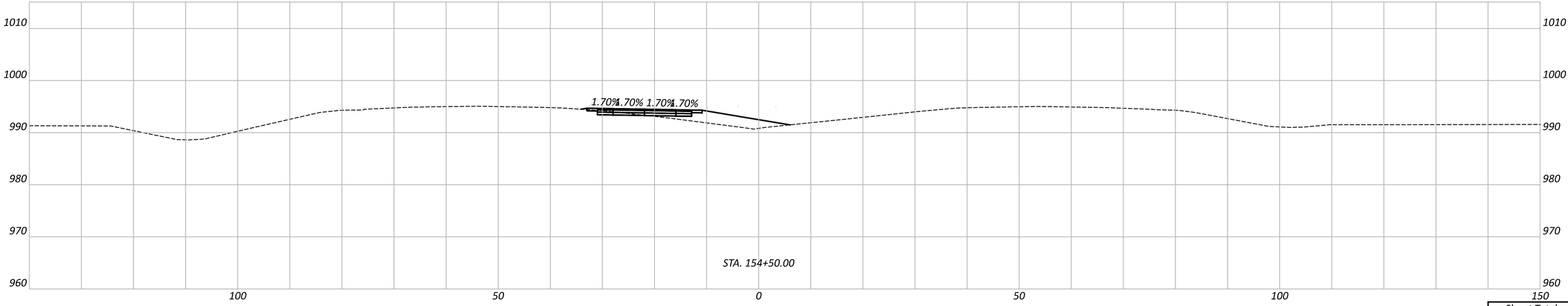
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0204 TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

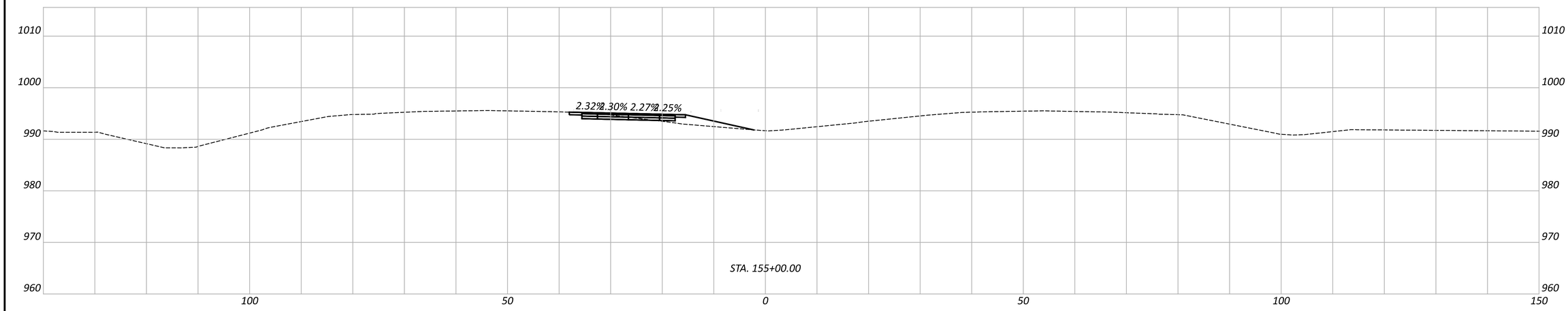
DESIGNER
JAS

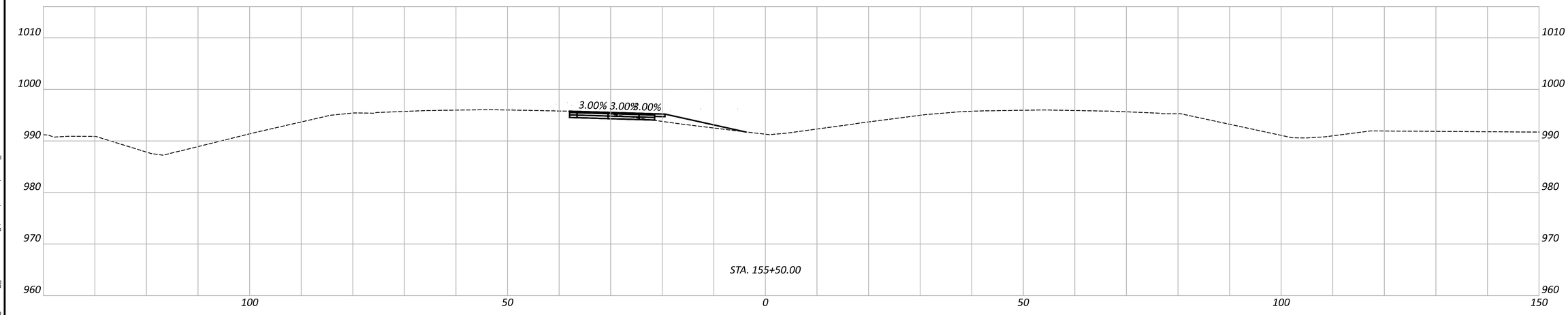
REVIEWER
DRJ 04/25/25

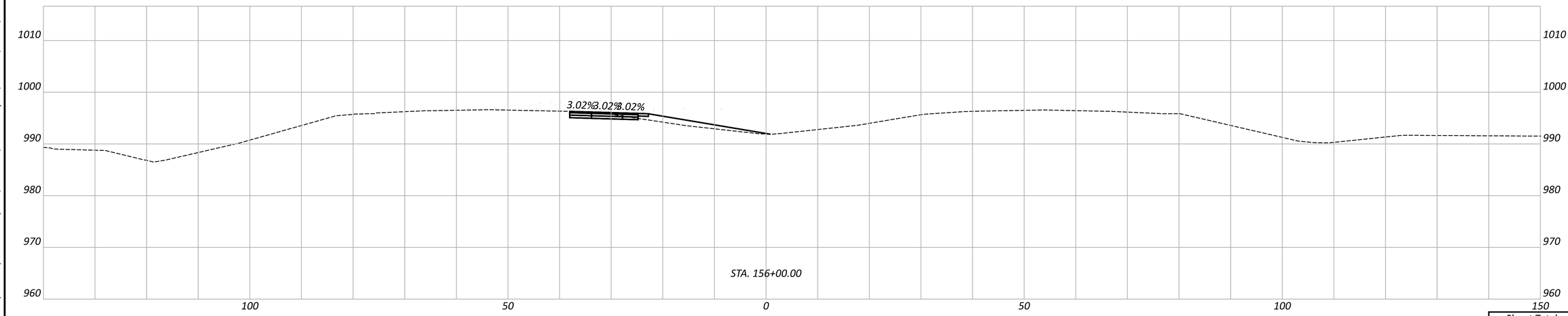
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0205	P.1556







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0206	P.1556

FAI/LIC-IR 70-0.00/0.00

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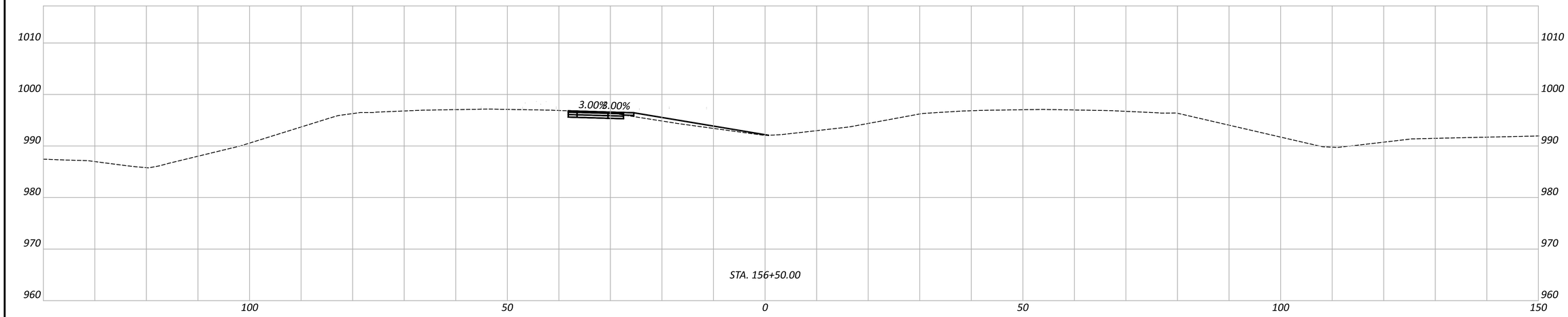

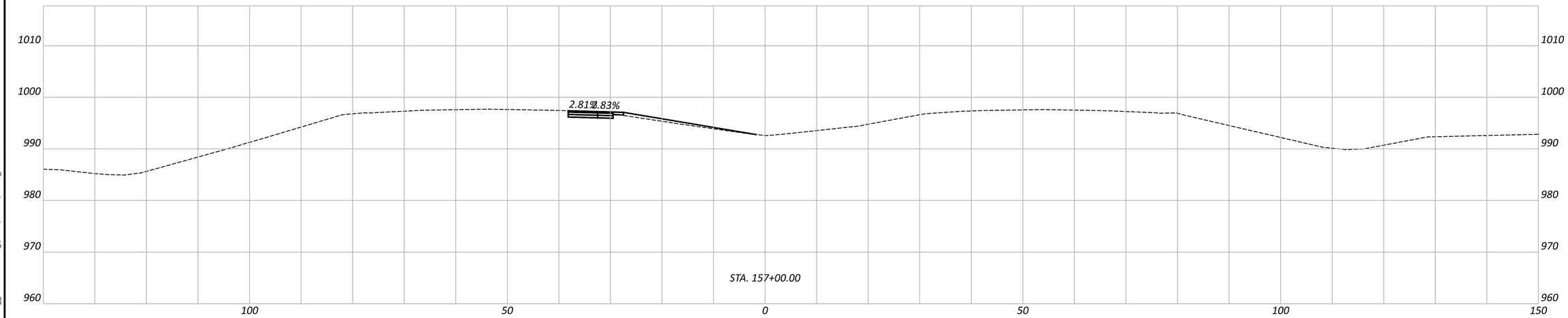

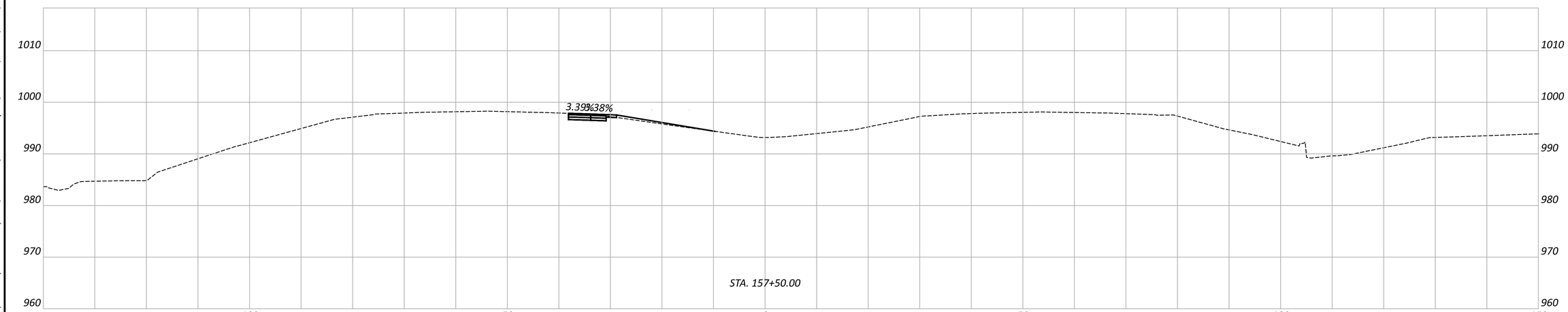

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	JAS
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0207
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT 1 XSC - A 157+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:12:47 PM USER: brieder
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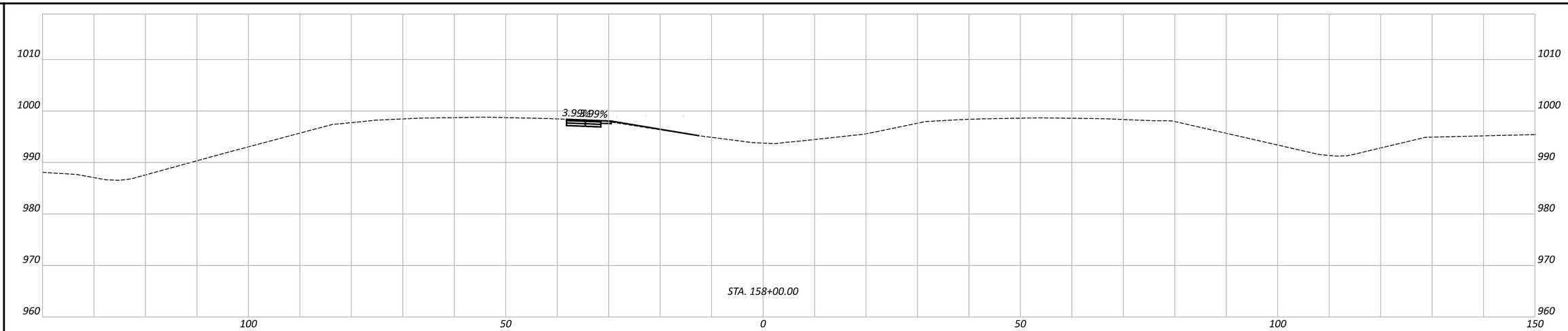

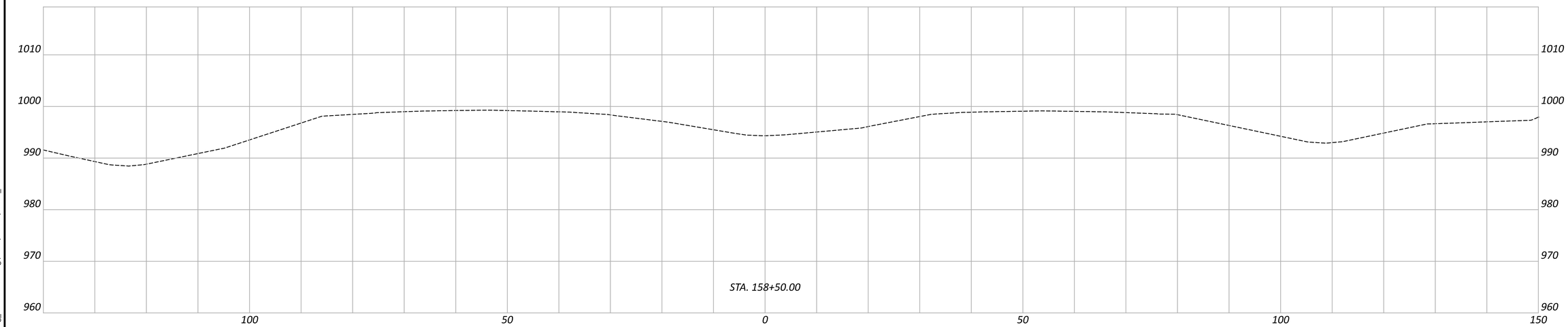

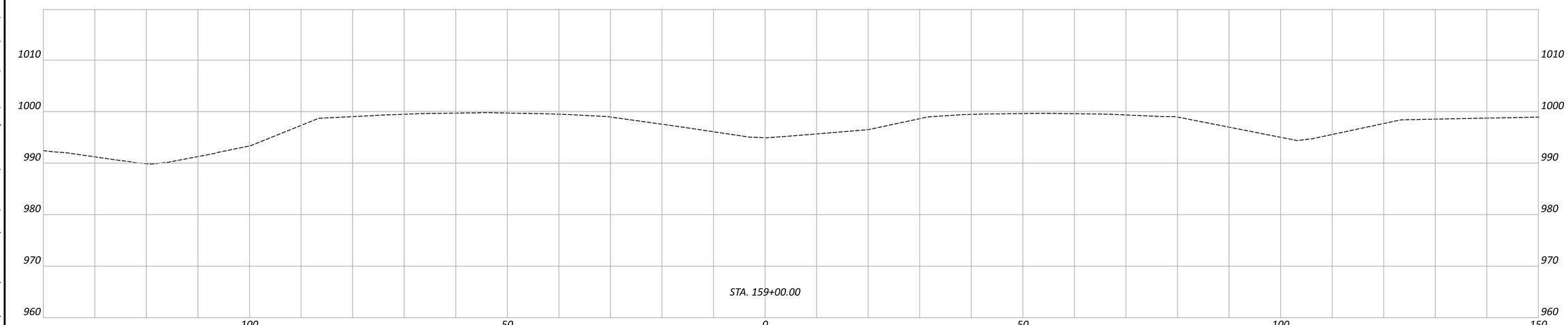

FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

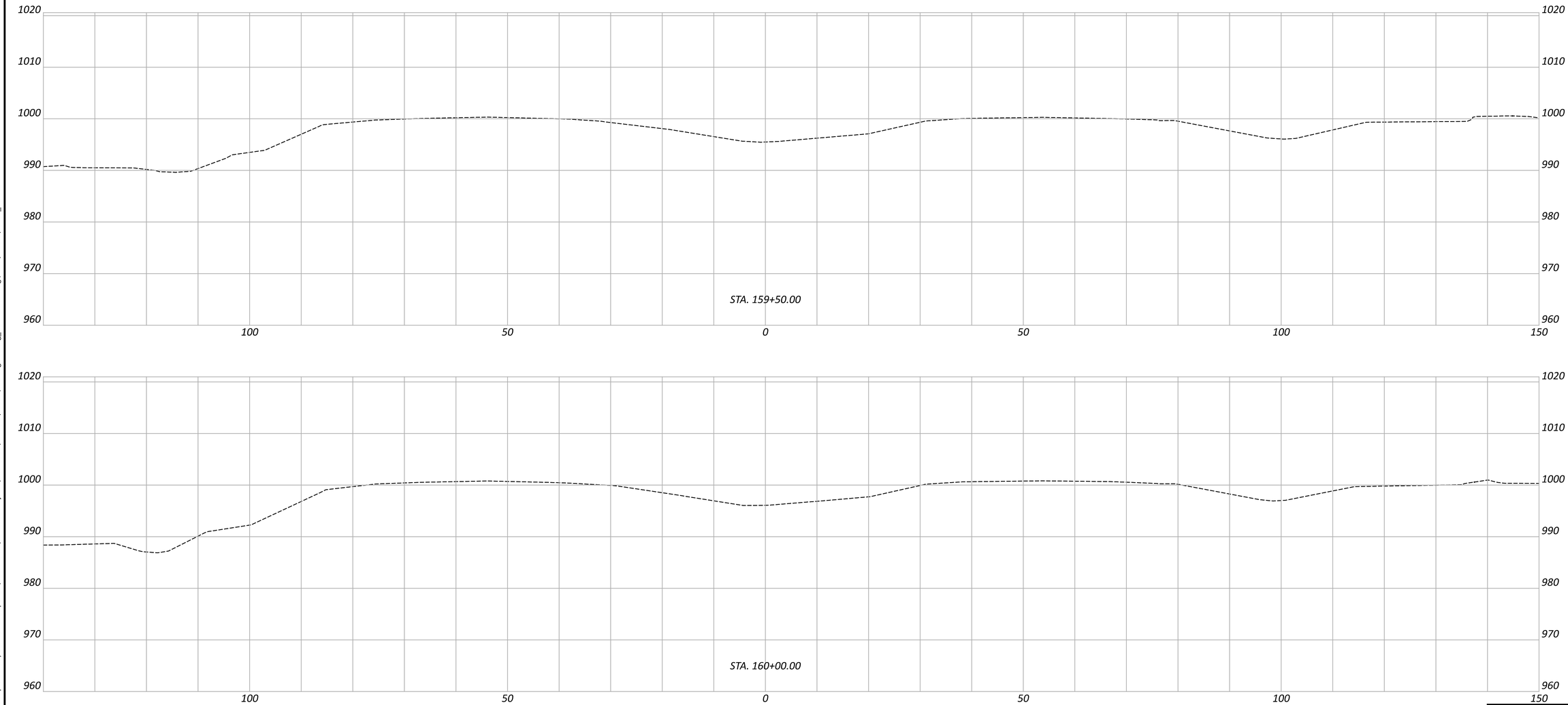
DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0208 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

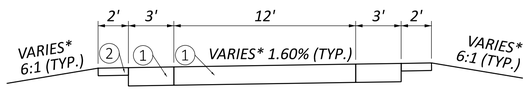
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0209	P.1556

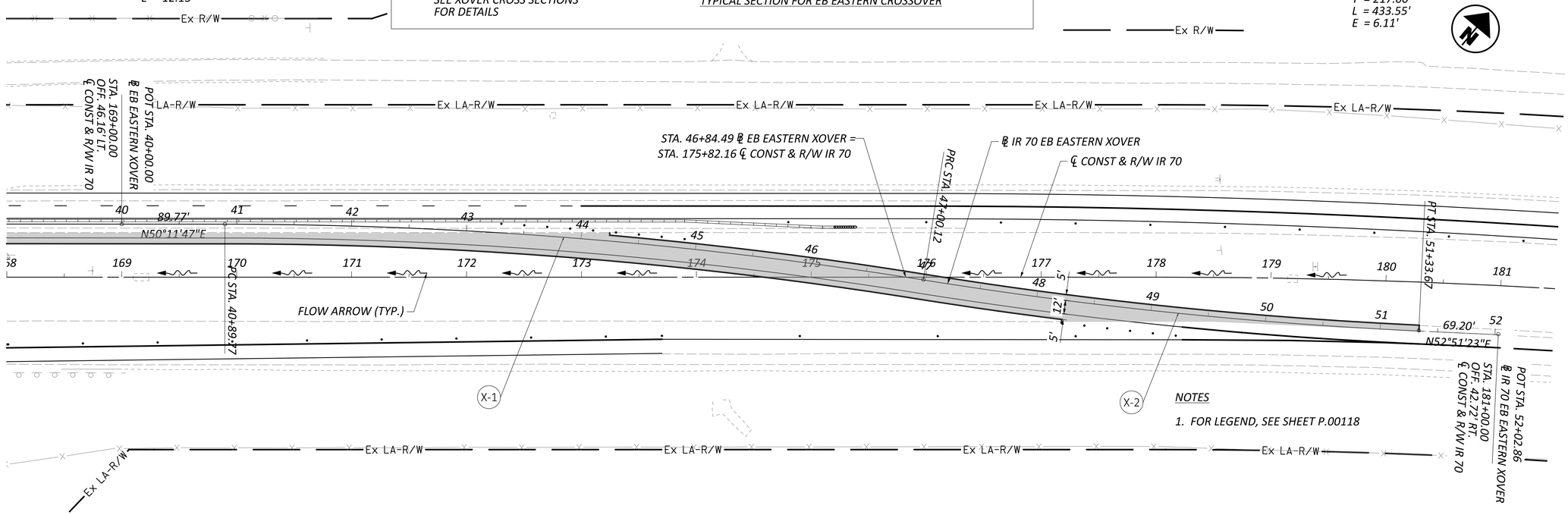
X-1 CURVE DATA
P.I. = STA. 43+95.59
Δ = 09°05'00" RT
Dc = 01°29'18"
R = 3,850.00'
T = 305.82'
L = 610.35'
E = 12.13'

LEGEND
1 ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A
2 ITEM 304 - 6" AGGREGATE BASE
* SEE XOVER CROSS SECTIONS FOR DETAILS



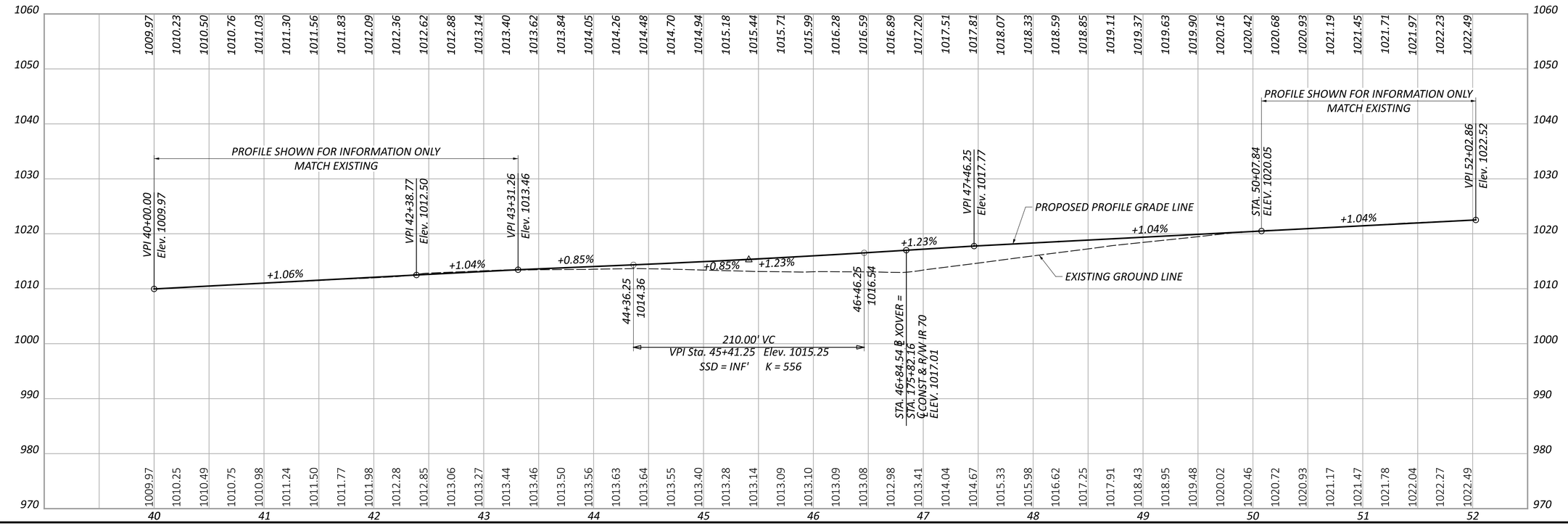
TYPICAL SECTION FOR EB EASTERN CROSSOVER

X-2 CURVE DATA
P.I. = STA. 49+17.12
Δ = 06°27'07" LT
Dc = 01°29'18"
R = 3,850.00'
T = 217.00'
L = 433.55'
E = 6.11'



NOTES

1. FOR LEGEND, SEE SHEET P.00118



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER JAS
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0210 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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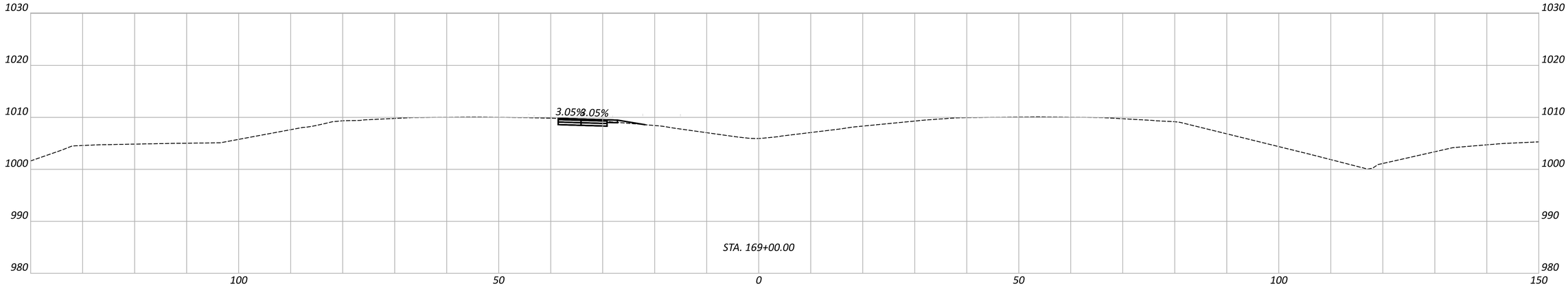

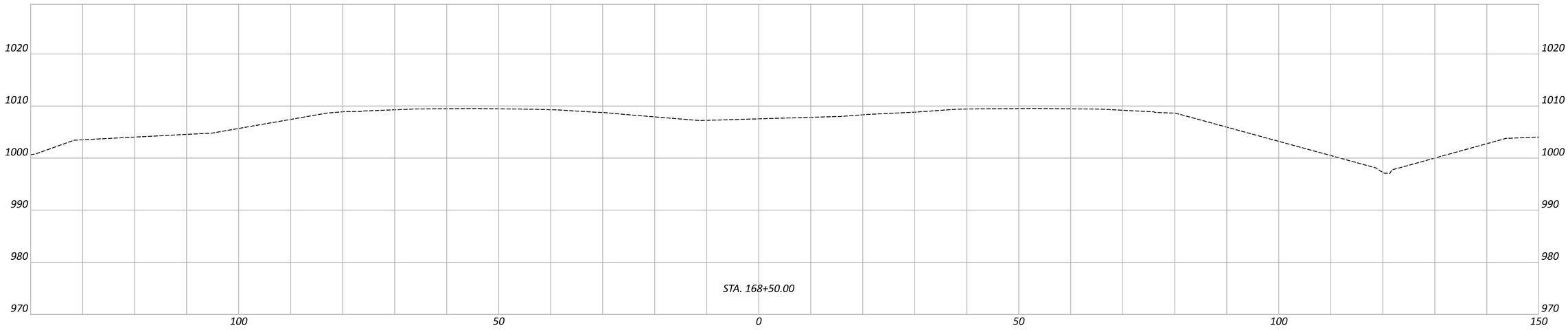

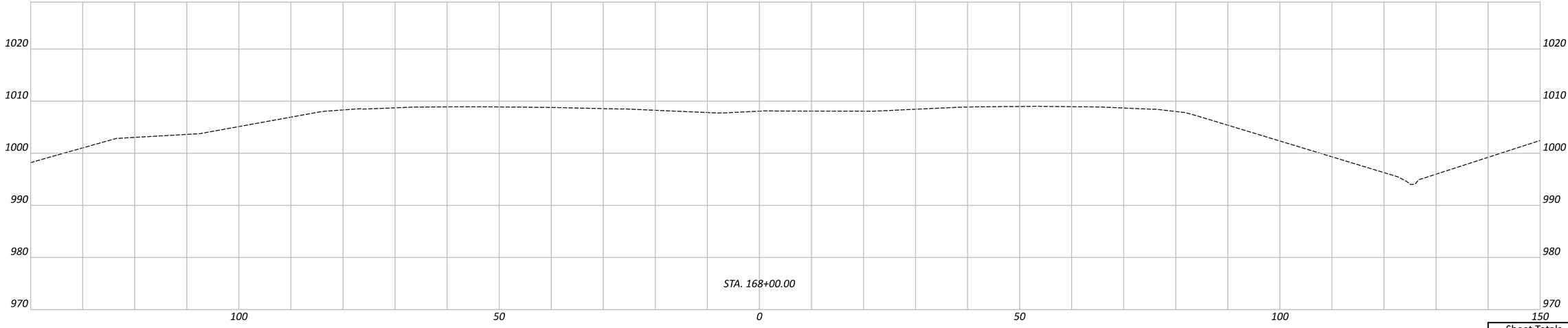

FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

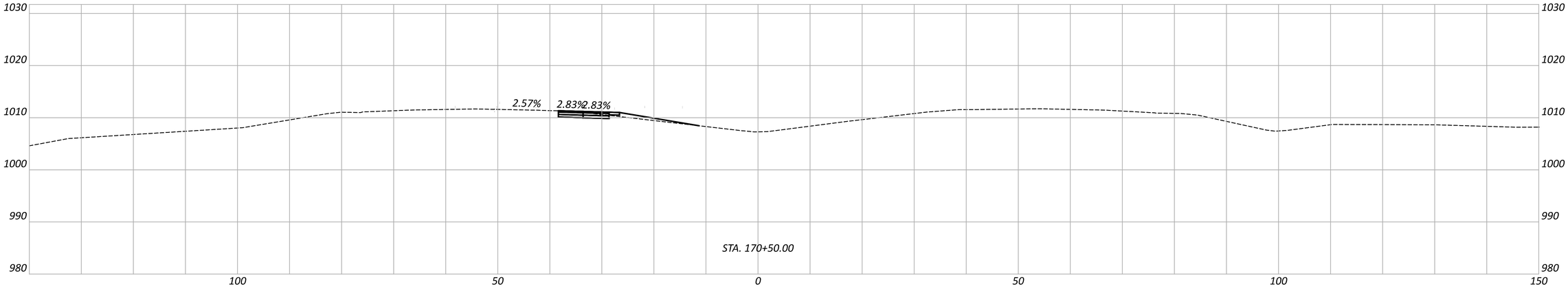
DESIGNER
JAS

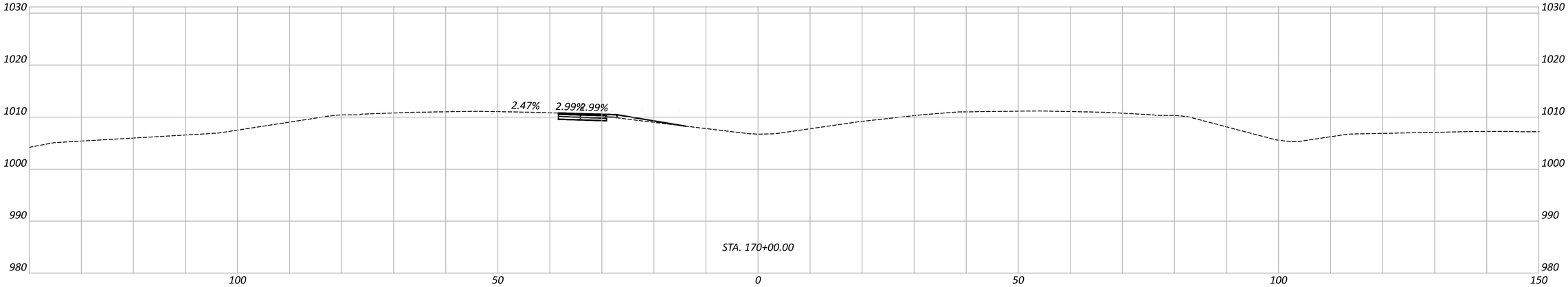
REVIEWER
DRJ 04/25/25

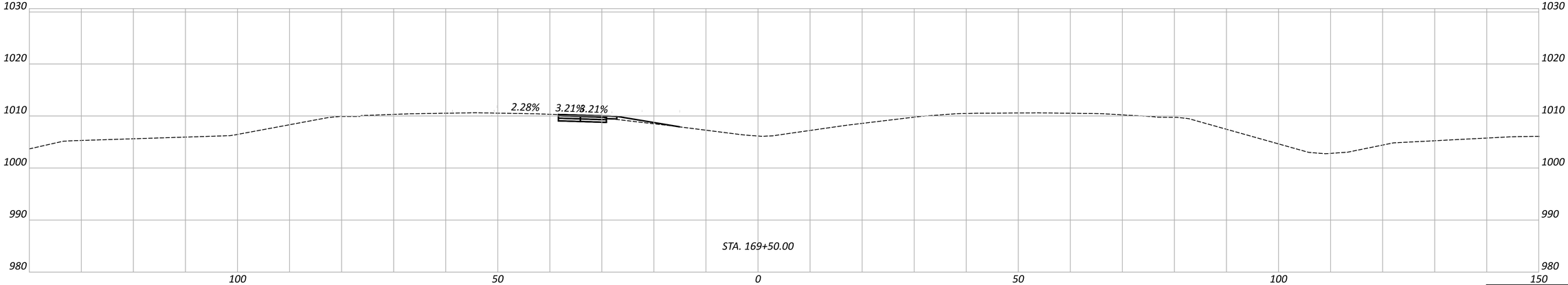
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0211 TOTAL P.1556







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT 1 XSC - A 169+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:13:26 PM USER: brieder
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DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

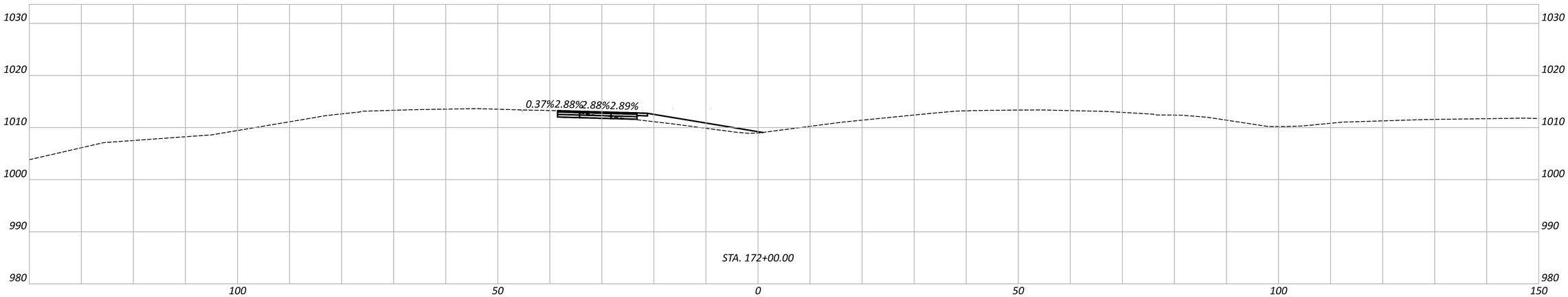
REVIEWER
DRJ 04/25/25

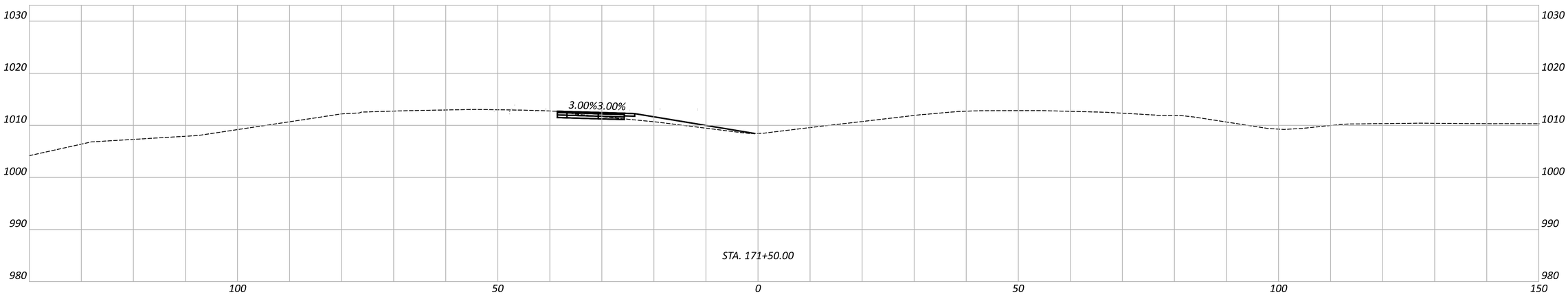
PROJECT ID
96808

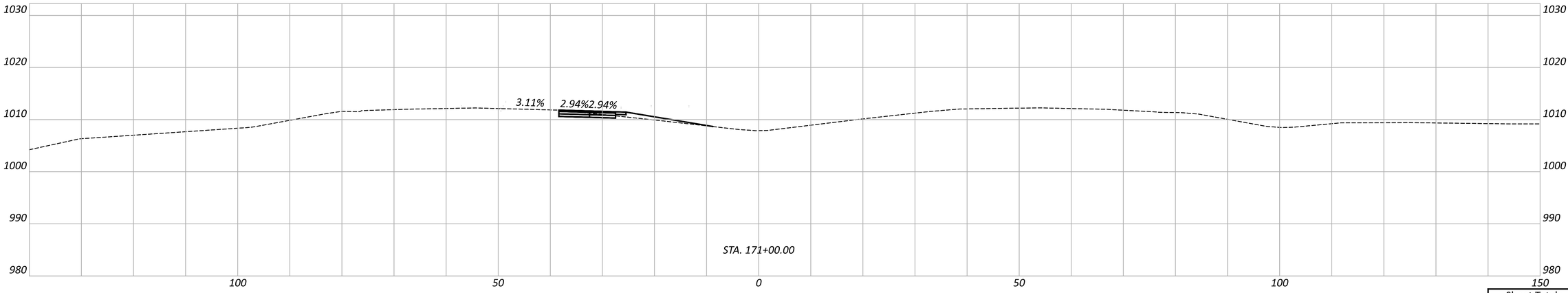
SHEET P.0212 TOTAL P.1556

Sheet Totals

Seeding	Cut	Fill







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
GANNETT FLEMING

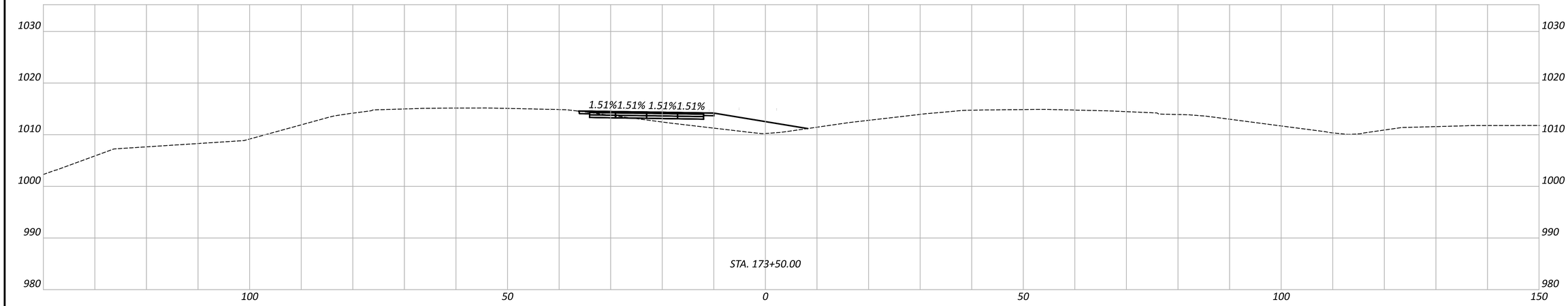
DESIGNER
JAS

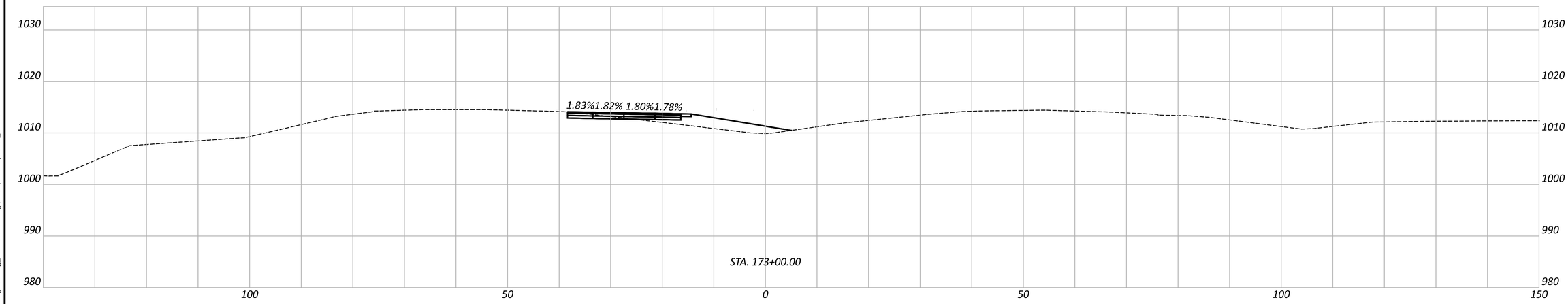
REVIEWER
DRJ 04/25/25

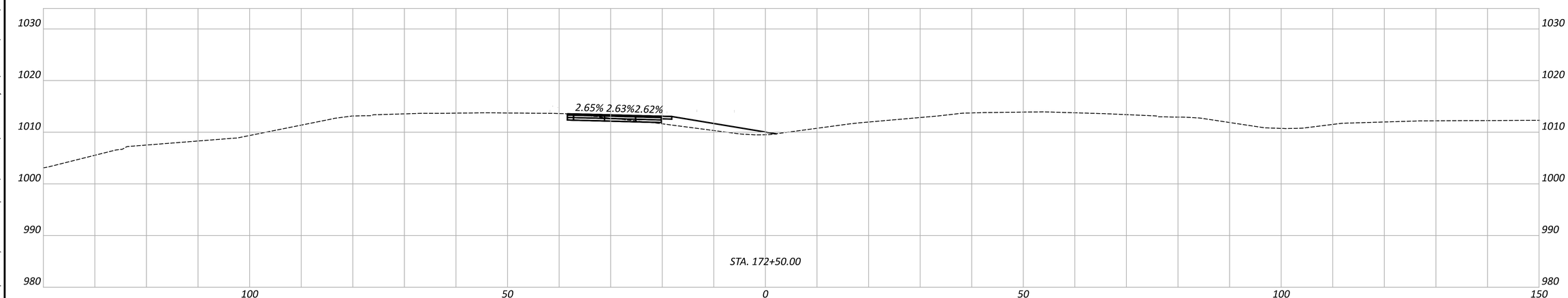
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0213	P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

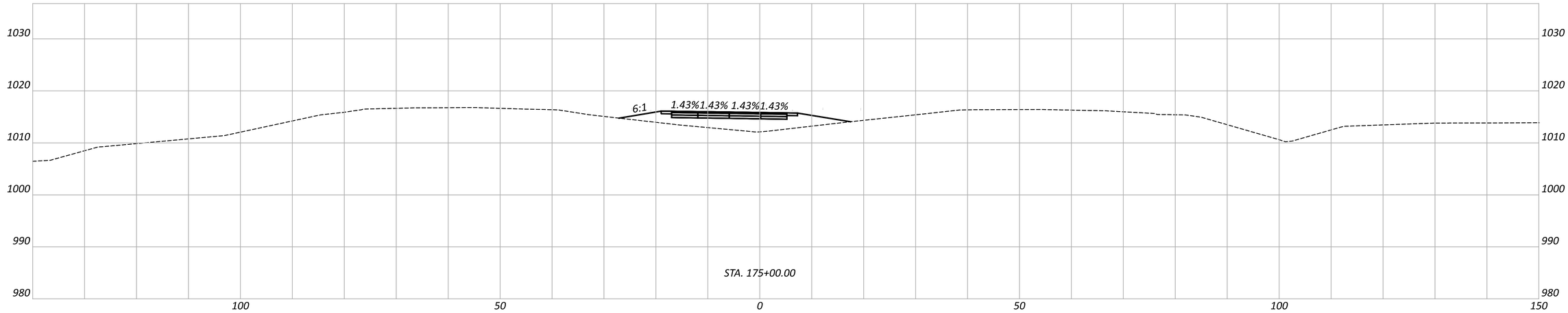
DESIGN AGENCY
GANNETT FLEMING

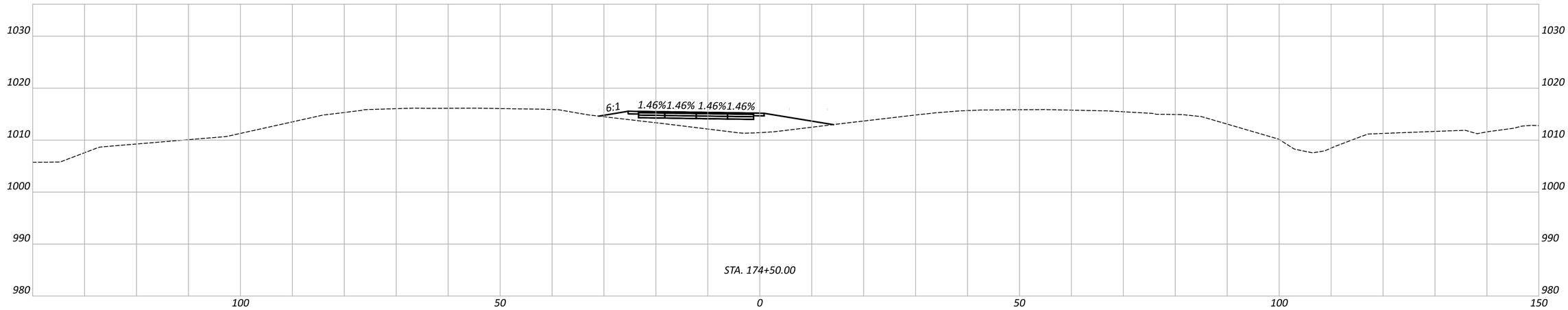
DESIGNER
JAS

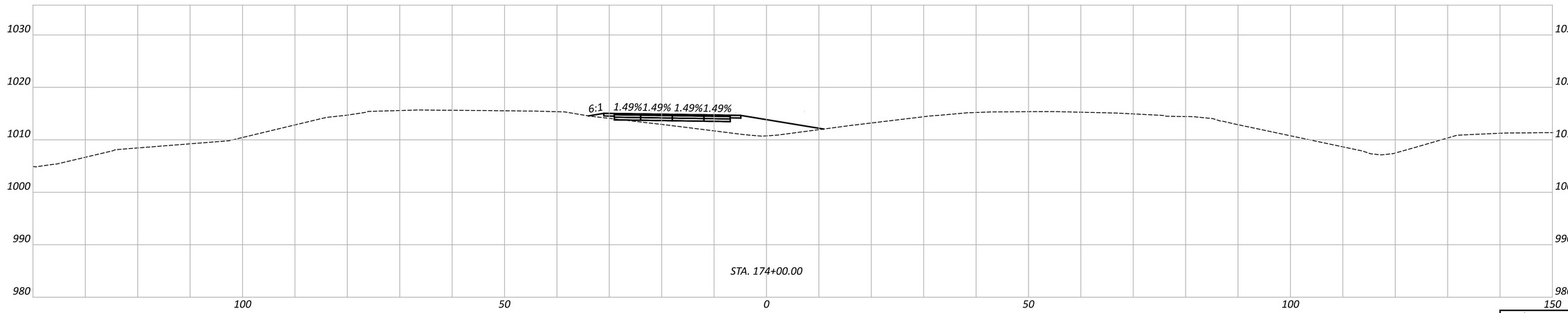
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0214 TOTAL P.1556







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
GANNETT FLEMING

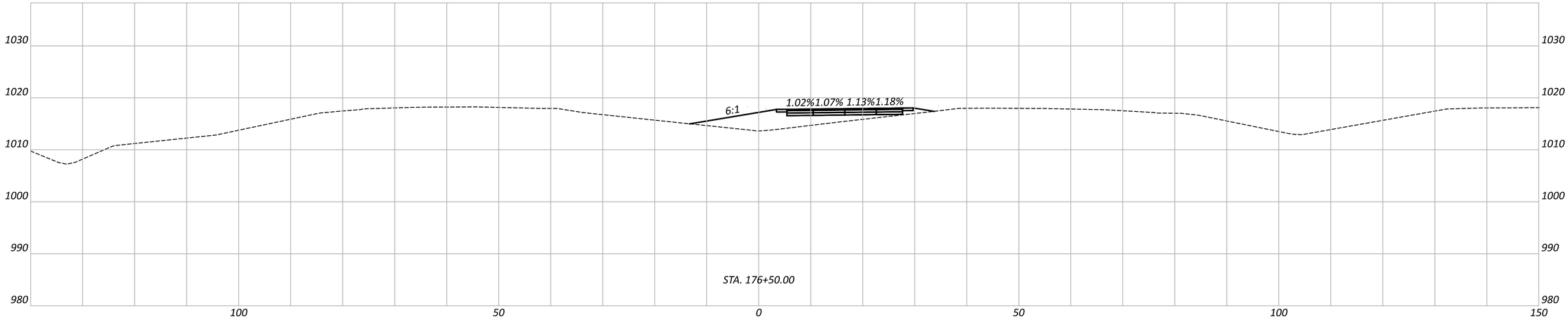
DESIGNER
JAS

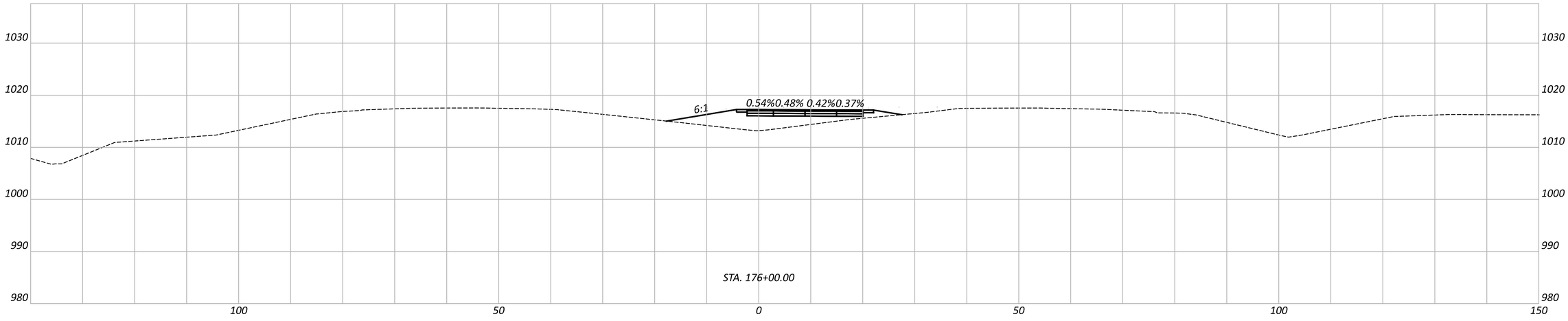
REVIEWER
DRJ 04/25/25

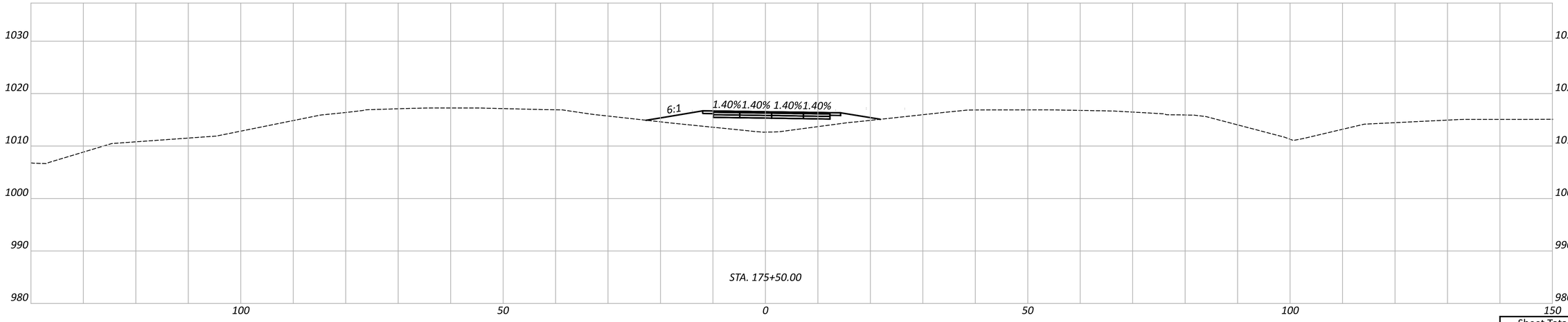
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0215	P.1556







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
GANNETT FLEMING

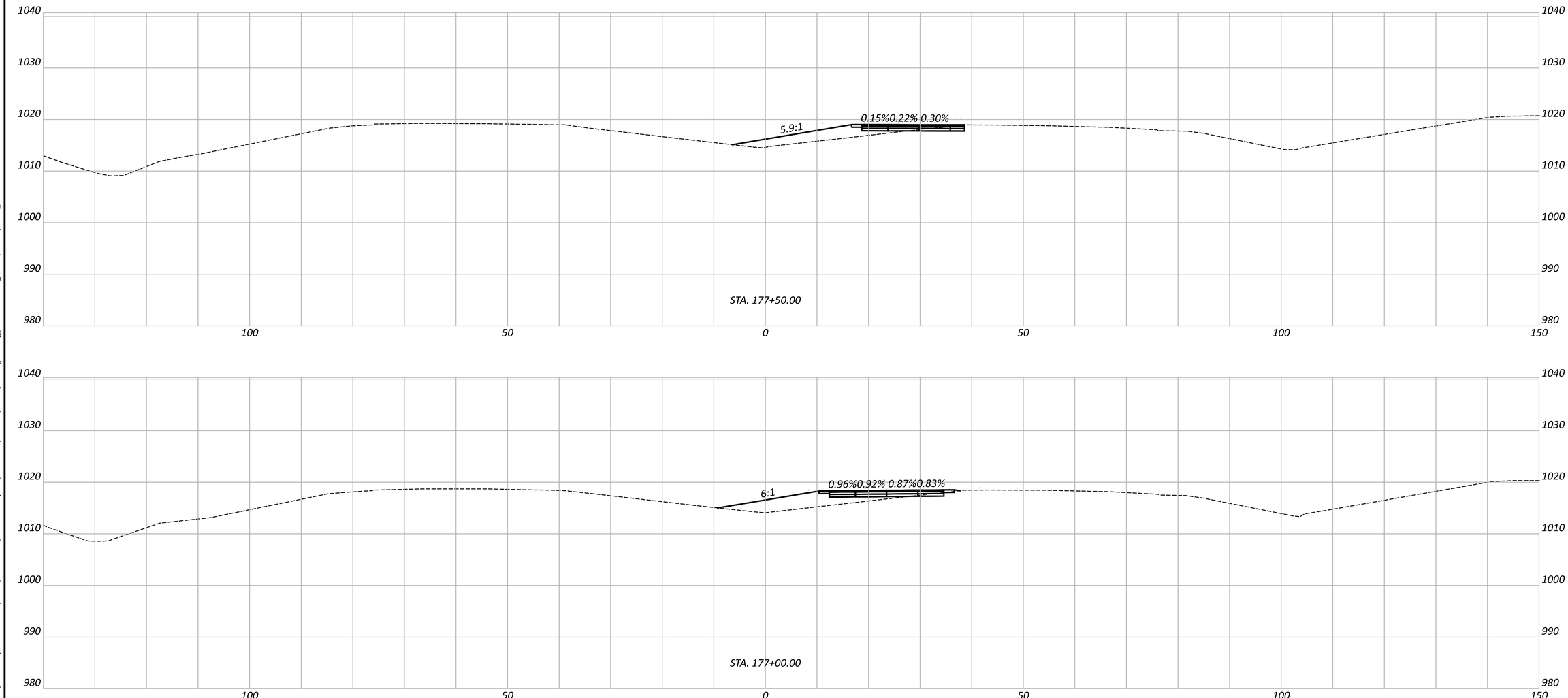
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0216	P.1556



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

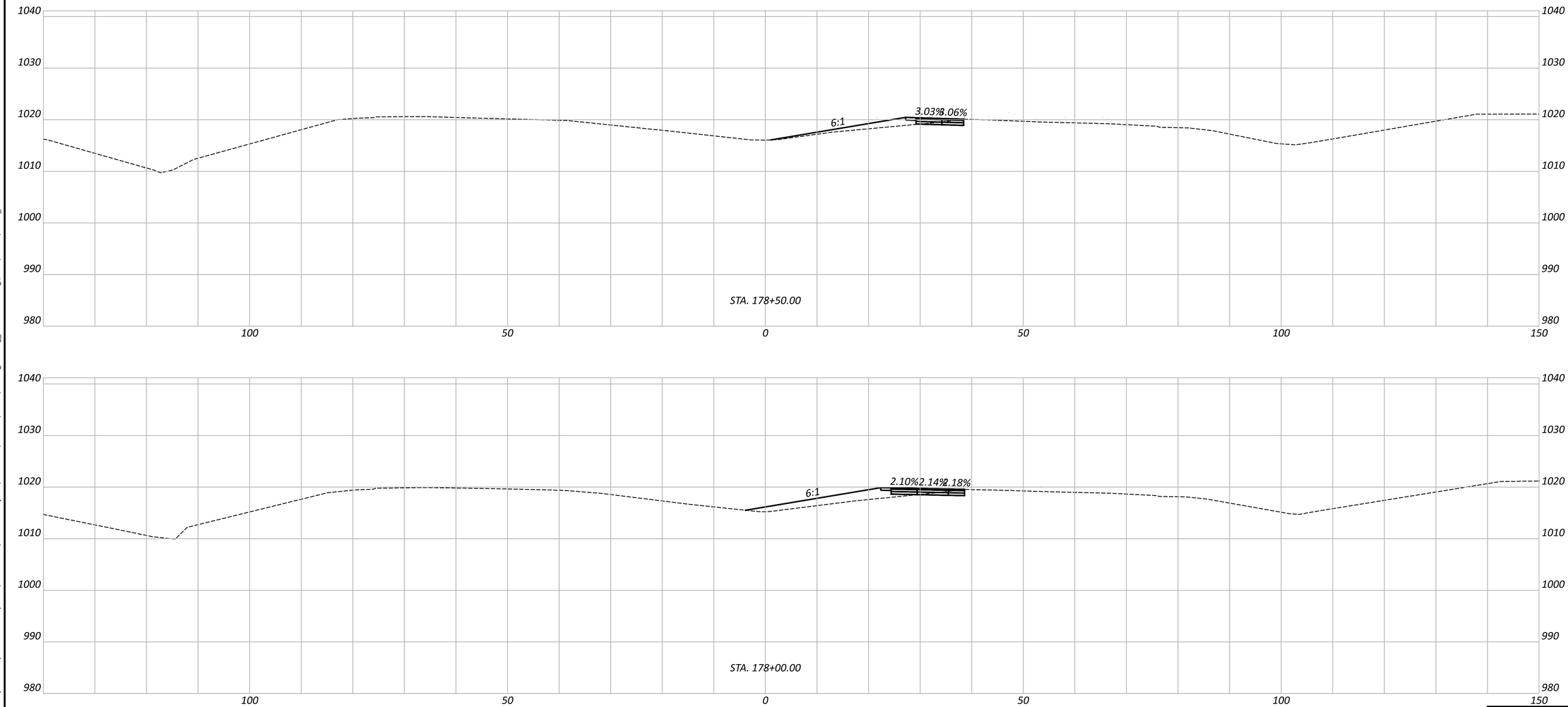
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0217 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

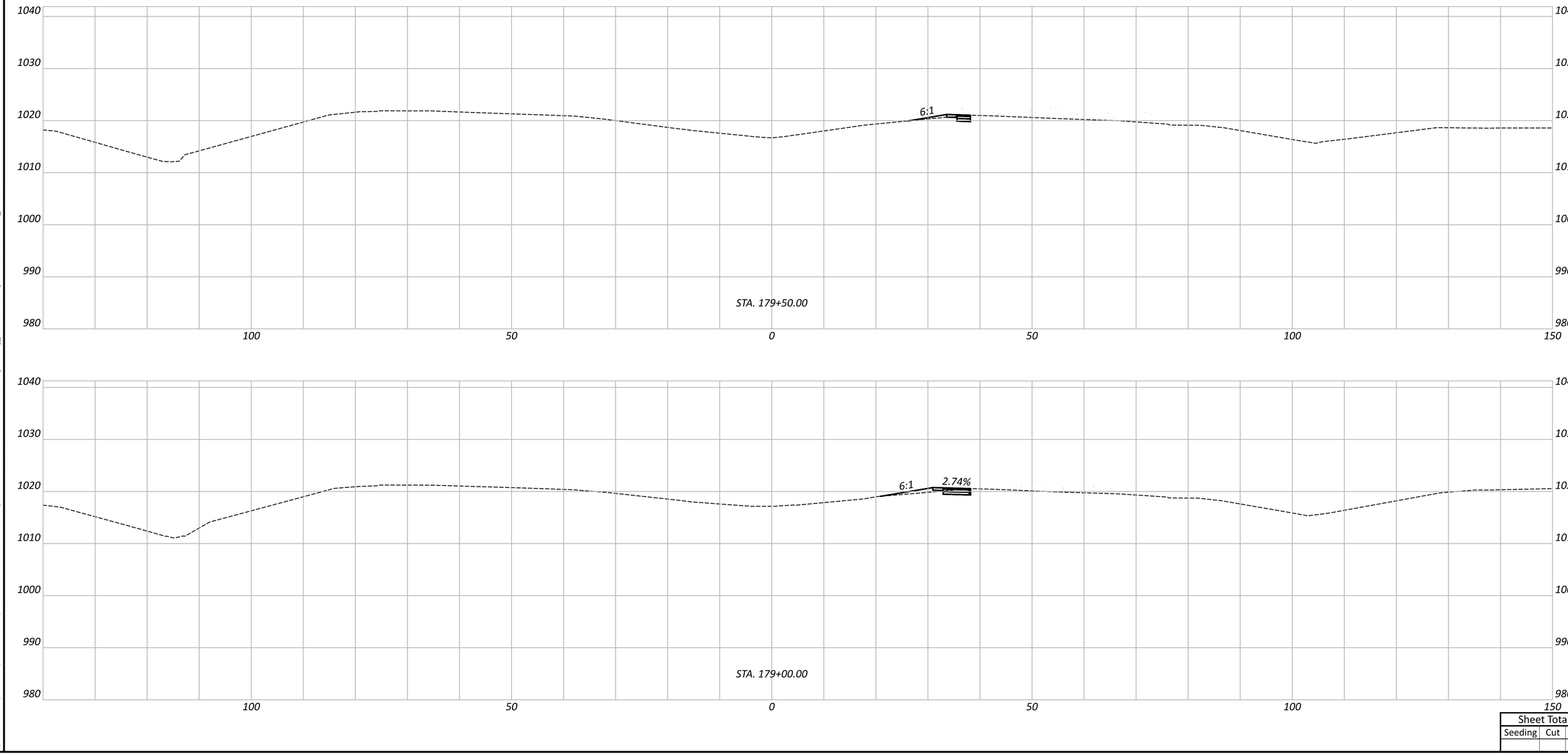
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0218 TOTAL P.1556

Sheet Totals

Seeding	Cut	Fill



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

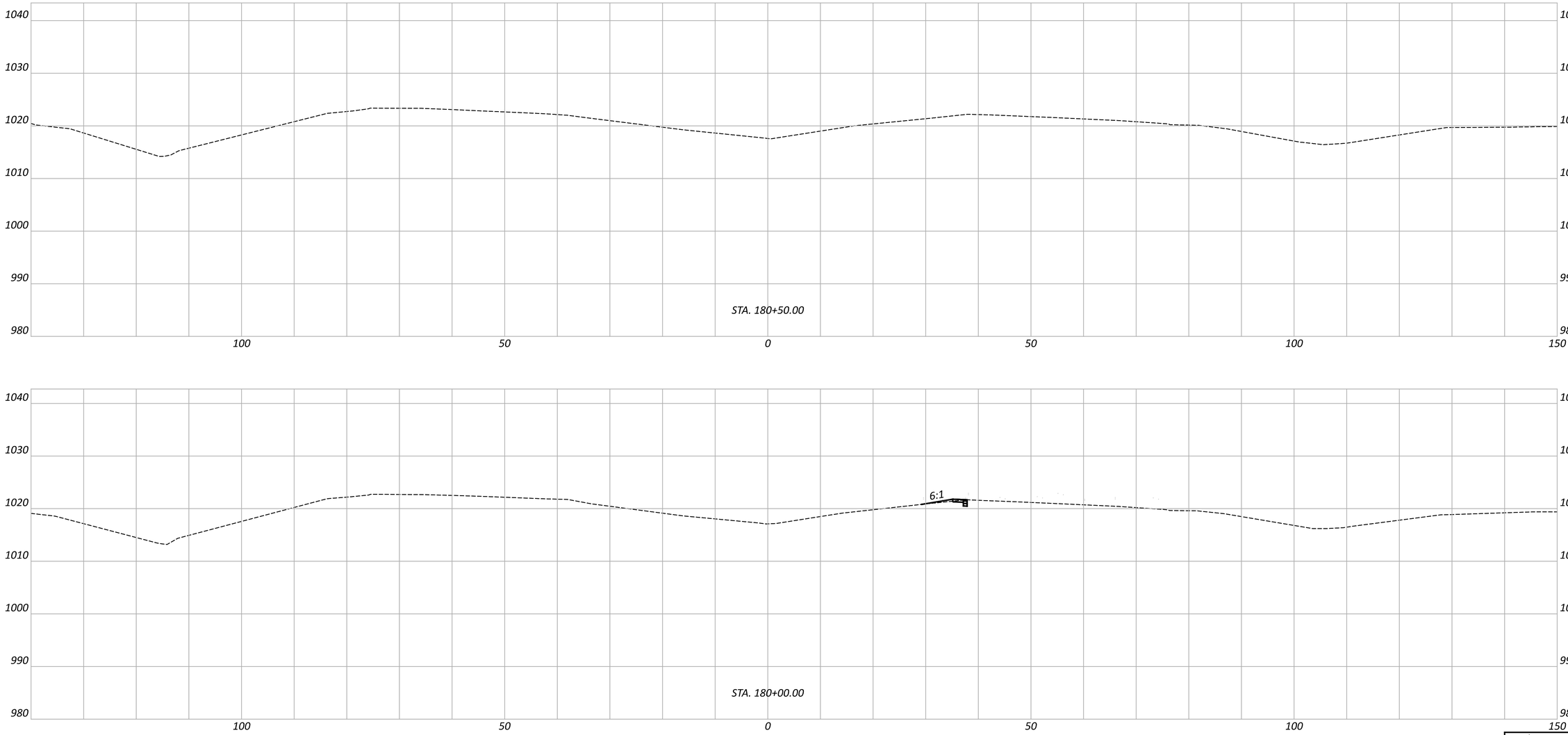
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0219	P.1556



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0220 TOTAL P.1556

Sheet Totals

Seeding	Cut	Fill

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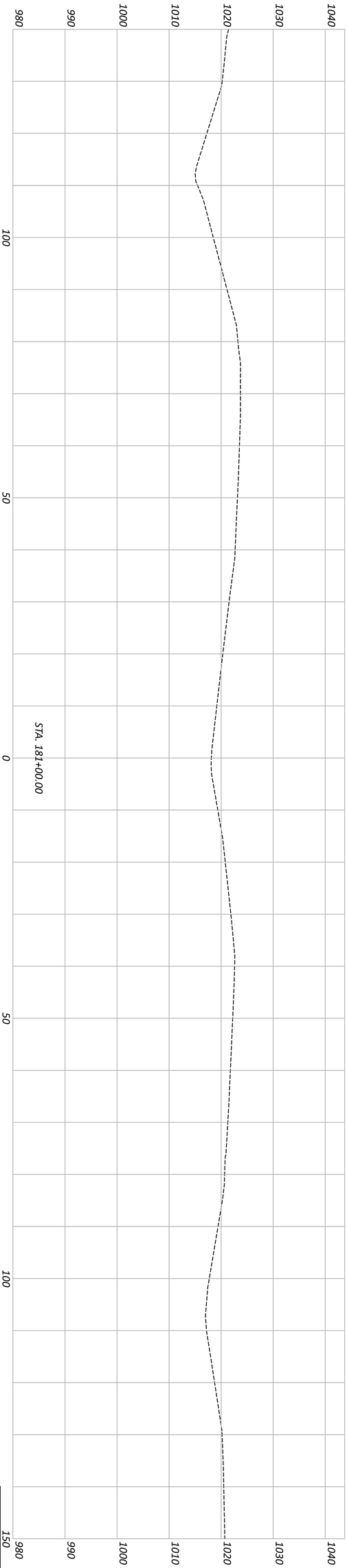

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DESIGN AGENCY	DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
GANNETT FLEMING	JAS	DRJ 04/25/25	96808	P 0221	P 1556

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 1 - EASTERN CROSSOVER PLANS

X-1 CURVE DATA
P.I. = STA. 4+27.31
Δ = 04°10'33" LT
Dc = 01°30'00"
R = 3,820.00'
T = 139.27'
L = 278.42'
E = 2.54'

X-2 CURVE DATA
P.I. = STA. 7+05.63
Δ = 04°10'22" RT
Dc = 01°30'00"
R = 3,820.00'
T = 139.17'
L = 278.21'
E = 2.53'

Ex LA-R/W

℄ IR 70 SHIFTING XOVER
STA. 155+50.00
OFF. 42.20' RT.
℄ CONST & R/W IR 70

POT STA. 0+00.00

STA. 158+38.04
OFF. 42.25' RT.

PC STA. 2+88.04

STA. 161+16.21
OFF. 32.13' RT.

STA. 163+94.18
OFF. 22.00' RT.

MATCH LINE STA. 164+50

152 153 154 155 156 157 158 159 160 161 162 163 164

3820' R

1 2 3 4 5 6 7 8 9

12'

288.04'
N50°10'55"E

305.82'
N50°10'14"E

PRC STA. 5+46.46

PT STA. 5+47.69

STA. 155+50.00
OFF. 20.00' RT.

℄ IR 70 SHIFTTING XOVER

℄ CONST & R/W IR 70

X-1

X-2

Ex R/W

Ex LA-R/W

MATCH LINE STA. 164+50

165 166 167 168 169 170 171 172 173 174 175 176

STA. 167+00.00
OFF. 22.00' RT.

X-3

STA. 169+80.34
OFF. 32.30' RT.

X-4

PRC STA. 14+31.08

3820' R

℄ IR 70 SHIFTING XOVER
STA. 172+54.87
OFF. 42.60' RT.
℄ CONST & R/W IR 70

POT STA. 17+05.86

10 11 12 13 14 15 16 17

305.82'
N50°10'14"E

12'

PC STA. 11+50.49

℄ IR 70 SHIFTTING XOVER

℄ CONST & R/W IR 70

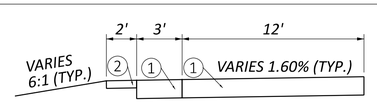
R/W

X-3 CURVE DATA
P.I. = STA. 12+90.85
Δ = 04°12'31" RT
Dc = 01°30'00"
R = 3,820.00'
T = 140.36'
L = 280.59'
E = 2.58'

LEGEND

1 ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A

2 ITEM 304 - 6" AGGREGATE BASE



TYPICAL SECTION FOR SHIFTTING CROSSOVER

X-4 CURVE DATA
P.I. = STA. 15+68.53
Δ = 04°07'17" LT
Dc = 01°30'00"
R = 3,820.00'
T = 137.45'
L = 274.78'
E = 2.47'

HORIZONTAL SCALE IN FEET
0 50 100 25

MAINTENANCE OF TRAFFIC - CROSSOVER DETAILS
PHASE 2 - SHIFTING CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER JAS
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0222 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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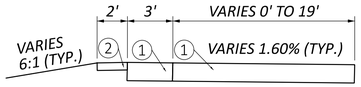
X-1 **CURVE DATA**
P.I. = STA. 177+54.90
Δ = 03°54'44" LT
Dc = 01°29'01"
R = 3,862.00'
T = 131.91'
L = 263.71'
E = 2.25'

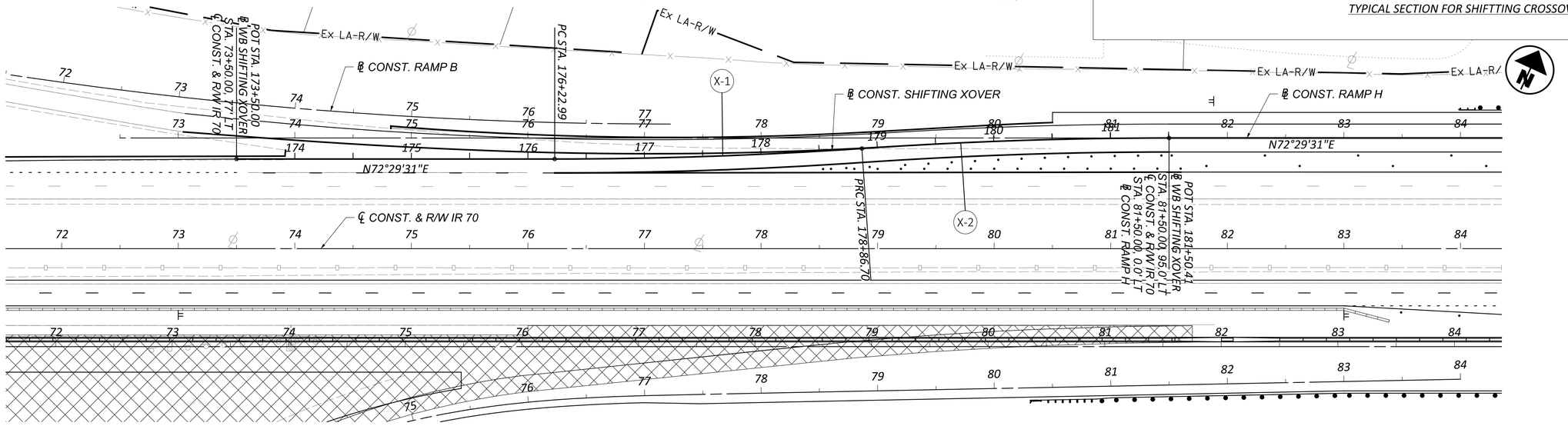
X-2 **CURVE DATA**
P.I. = STA. 180+18.61
Δ = 03°54'44" RT
Dc = 01°29'01"
R = 3,862.00'
T = 131.91'
L = 263.71'
E = 2.25'

LEGEND

1. ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A
2. ITEM 304 - 6" AGGREGATE BASE



TYPICAL SECTION FOR SHIFTTING CROSSOVER

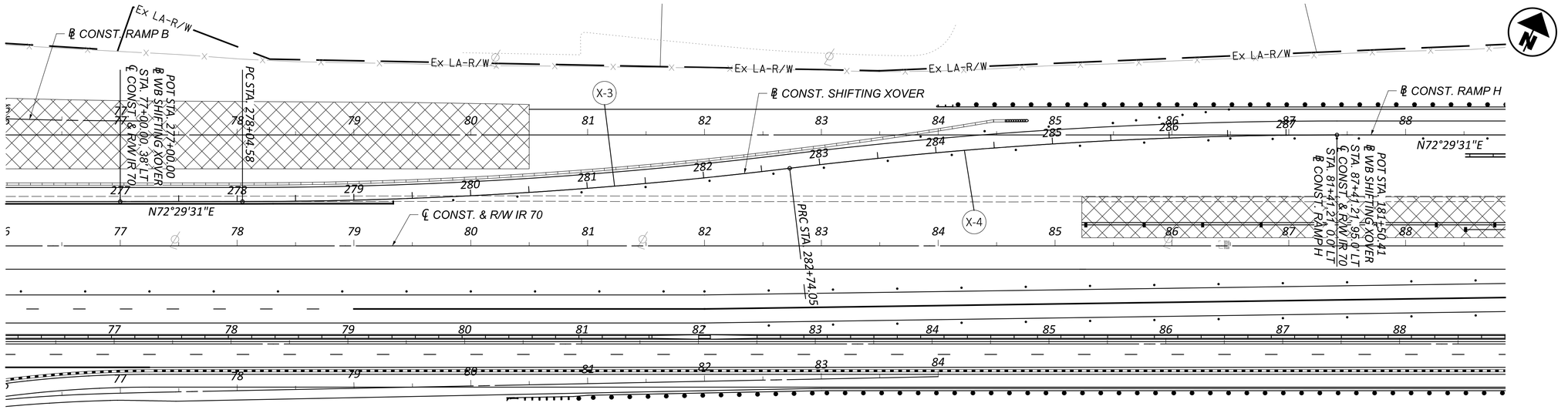


PHASE 2

1. FOR MOT PHASE 2 PHASING PLANS, SEE SHEET P.0134
2. FOR SEQUENCE OF CONSTRUCTION NOTE, SEE SHEET P.00104

NOTES

1. FOR LEGEND, SEE SHEET P.00118



PHASE 4A

1. FOR MOT PHASE 4A PHASING PLANS, SEE SHEET P.0159
2. FOR SEQUENCE OF CONSTRUCTION NOTE, SEE SHEET P.00104

X-3 **CURVE DATA**
P.I. = STA. 280+39.60
Δ = 06°57'54" LT
Dc = 01°29'01"
R = 3,862.00'
T = 235.03'
L = 469.47'
E = 7.14'

X-4 **CURVE DATA**
P.I. = STA. 285+09.08
Δ = 06°57'54" RT
Dc = 01°29'01"
R = 3,862.00'
T = 235.03'
L = 469.47'
E = 7.14'

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - CROSSOVER DETAILS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER JAS
REVIEWER DRJ 4/25/25
PROJECT ID 96808
SHEET P.0223 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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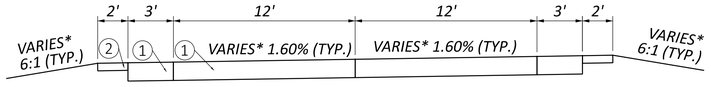
HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

LEGEND

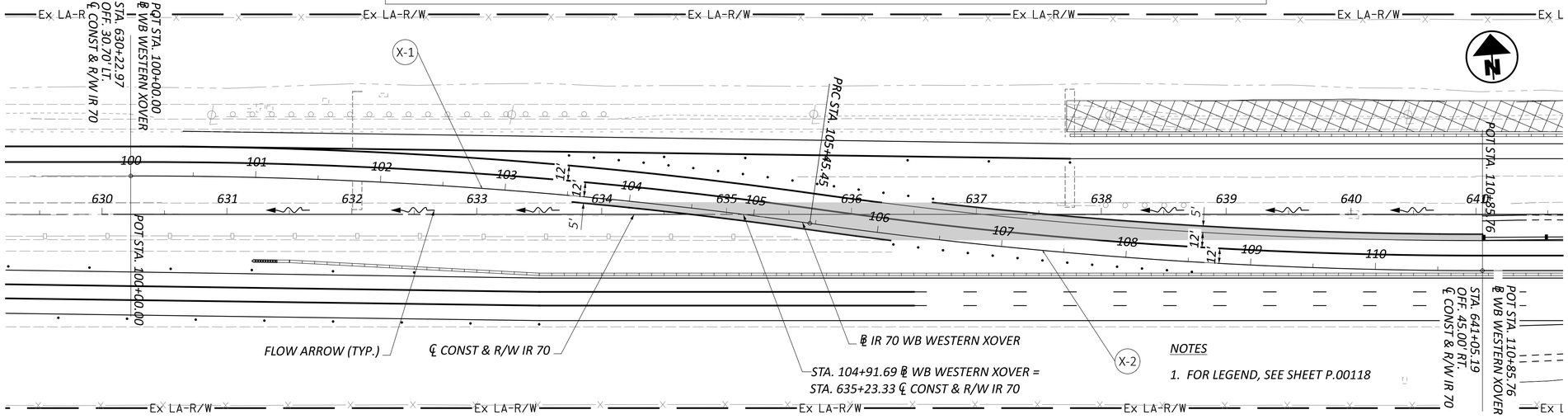
1. ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A
2. ITEM 304 - 6" AGGREGATE BASE
* SEE XOVER CROSS SECTIONS FOR DETAILS



TYPICAL SECTION FOR WB WESTERN CROSSOVER

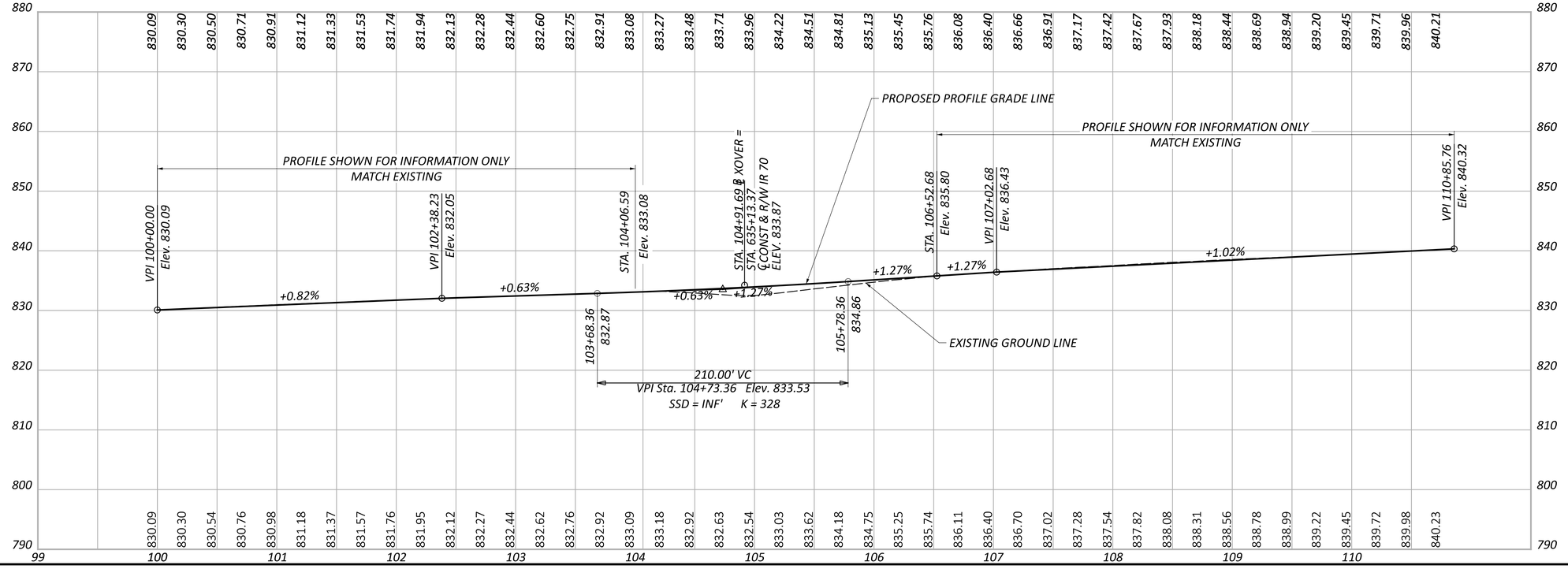
X-1 **CURVE DATA**
P.I. = STA. 102+73.18
Δ = 08°07'03" RT
Dc = 01°29'18"
R = 3,850.00'
T = 273.18'
L = 545.45'
E = 9.68'

X-2 **CURVE DATA**
P.I. = STA. 108+16.05
Δ = 08°02'27" LT
Dc = 01°29'18"
R = 3,850.00'
T = 270.60'
L = 540.31'
E = 9.50'



NOTES

1. FOR LEGEND, SEE SHEET P.00118



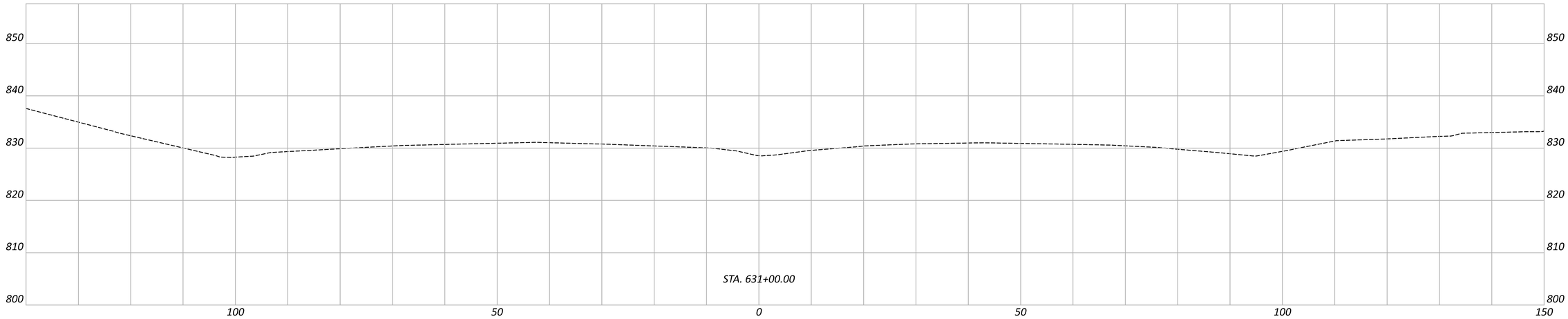
DESIGN AGENCY
GANNETT FLEMING

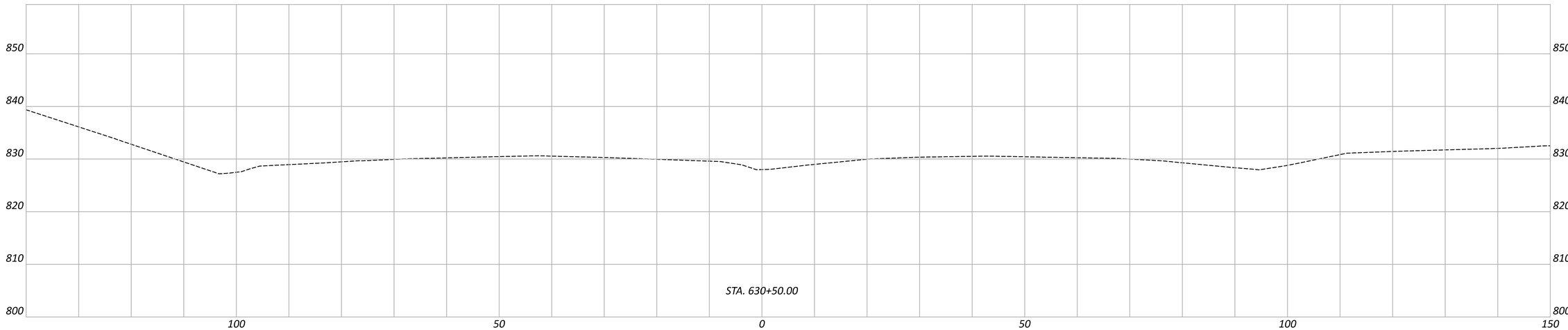
DESIGNER
JAS

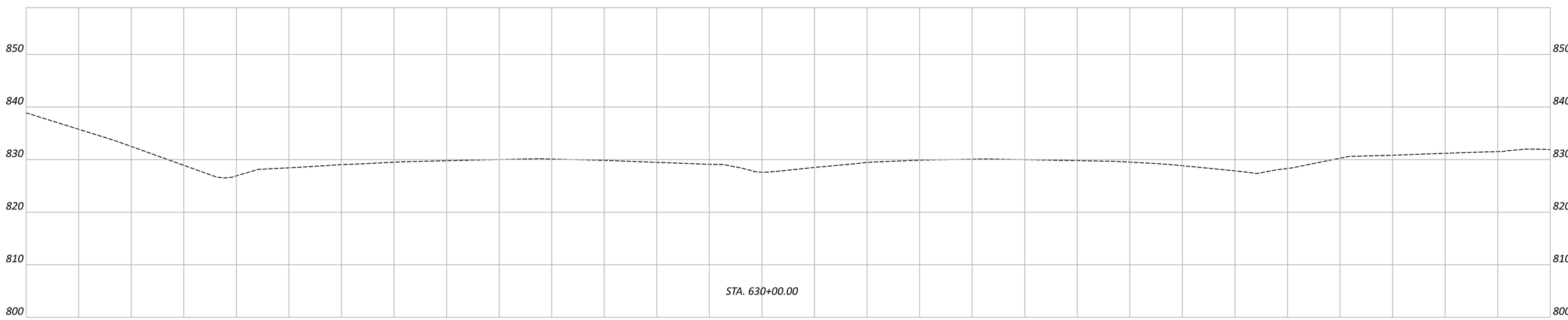
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0224 TOTAL P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

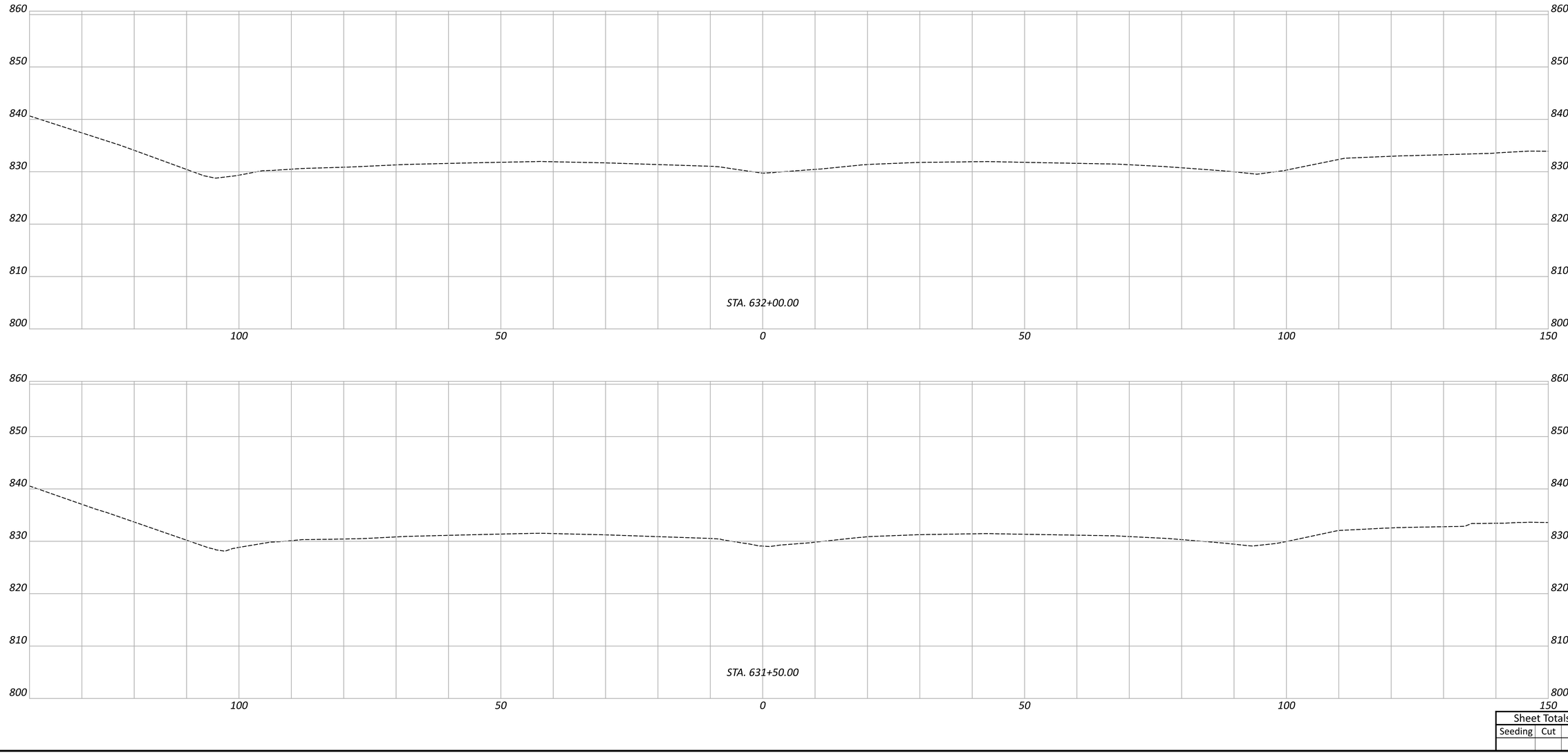
DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0225 TOTAL P.1556



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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

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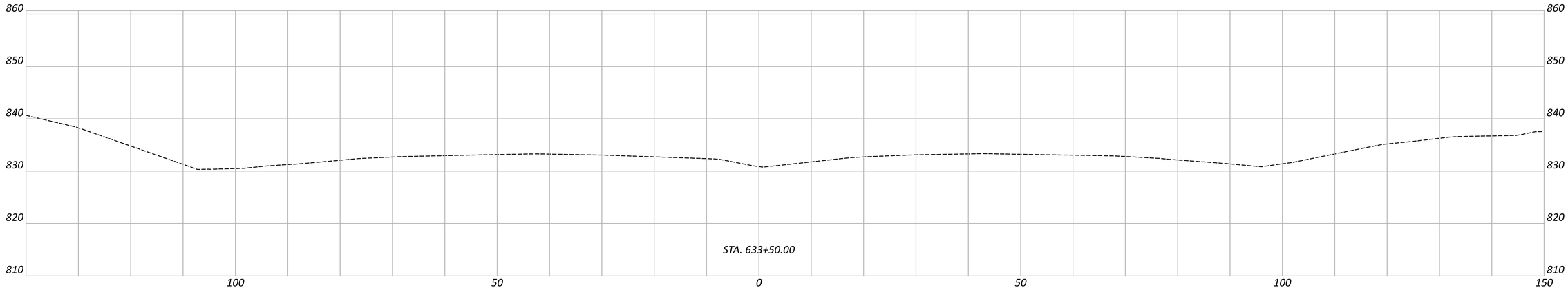
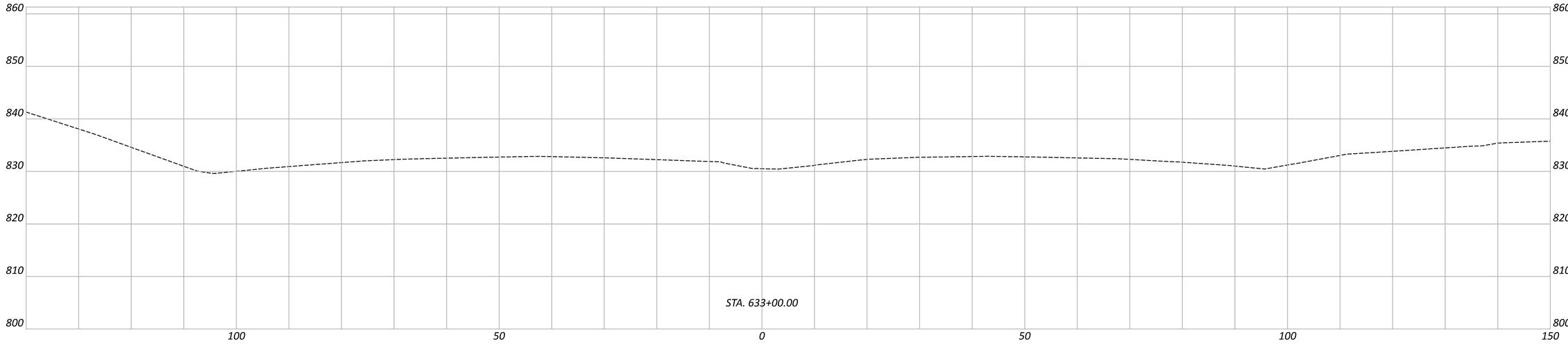
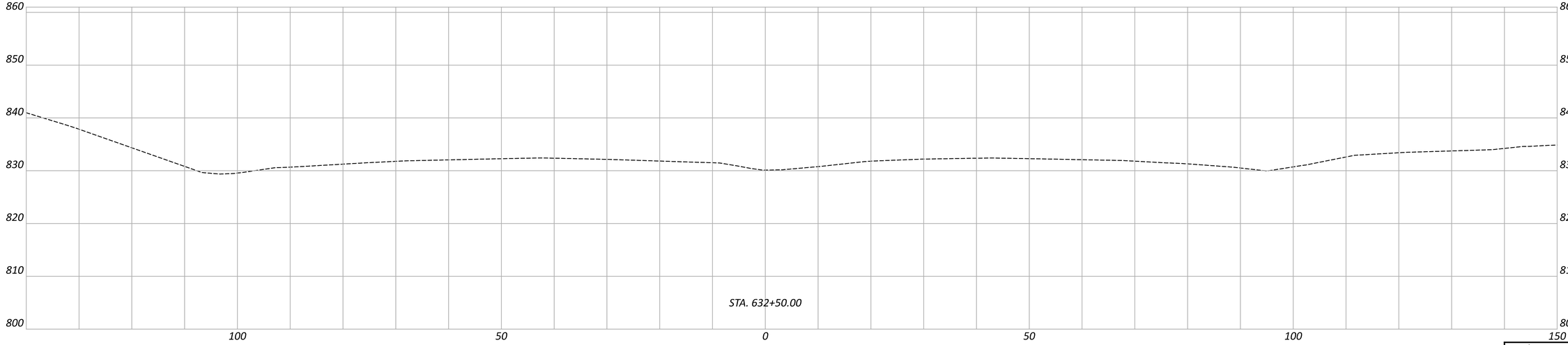
SHEET	TOTAL
P.0226	P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

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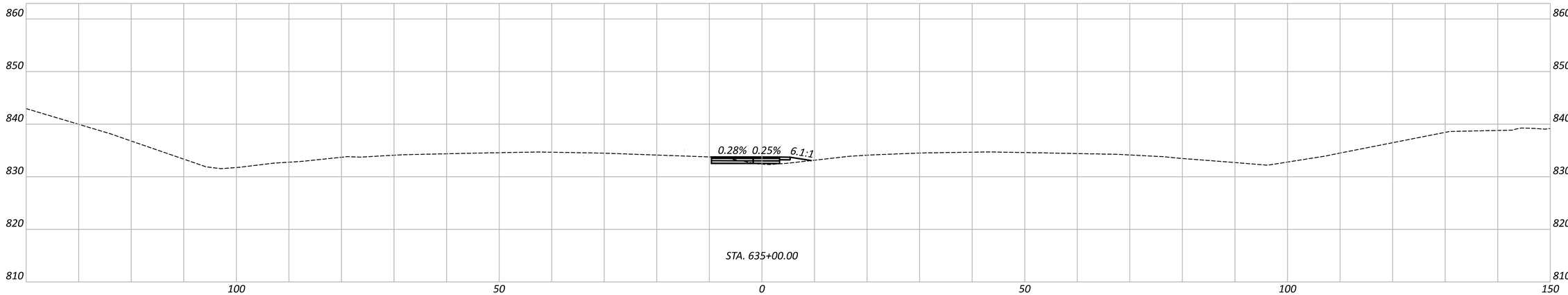
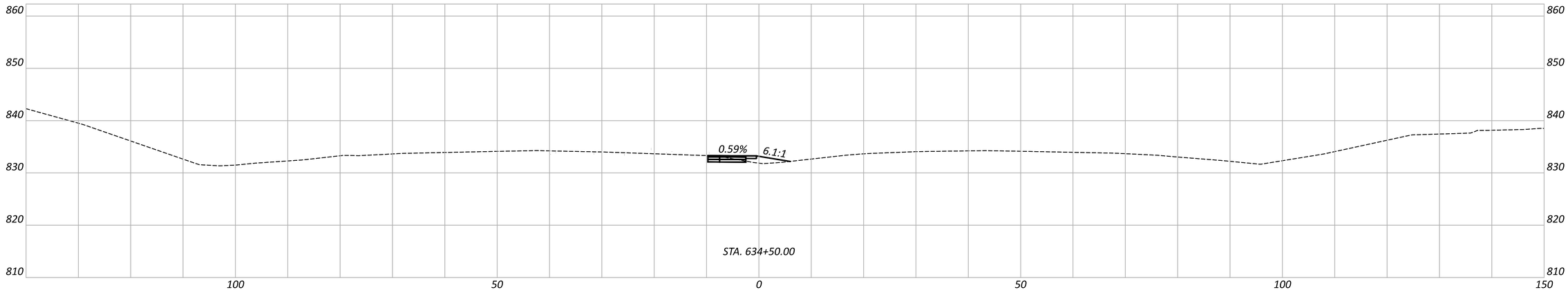
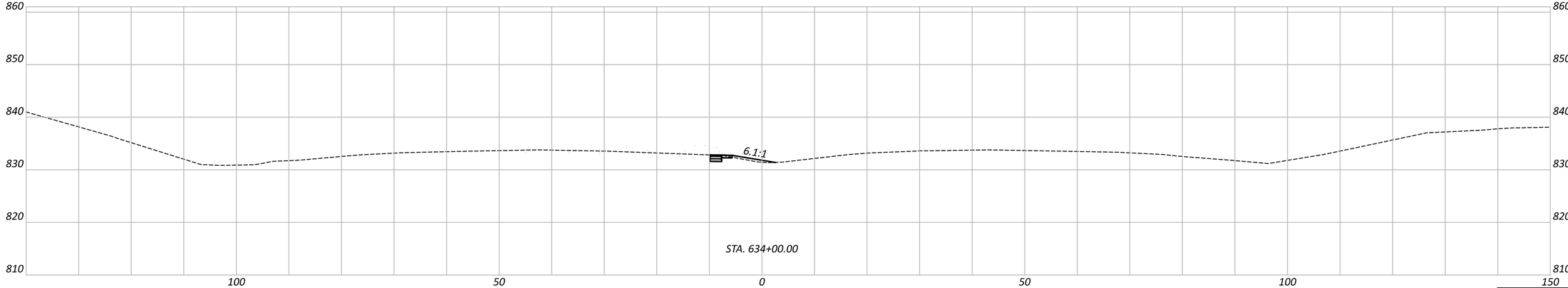
SHEET	TOTAL
P.0227	P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
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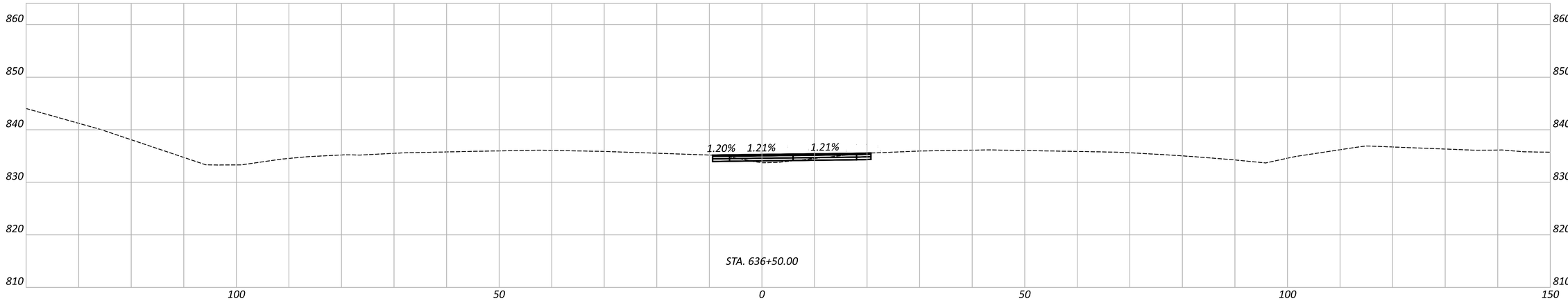
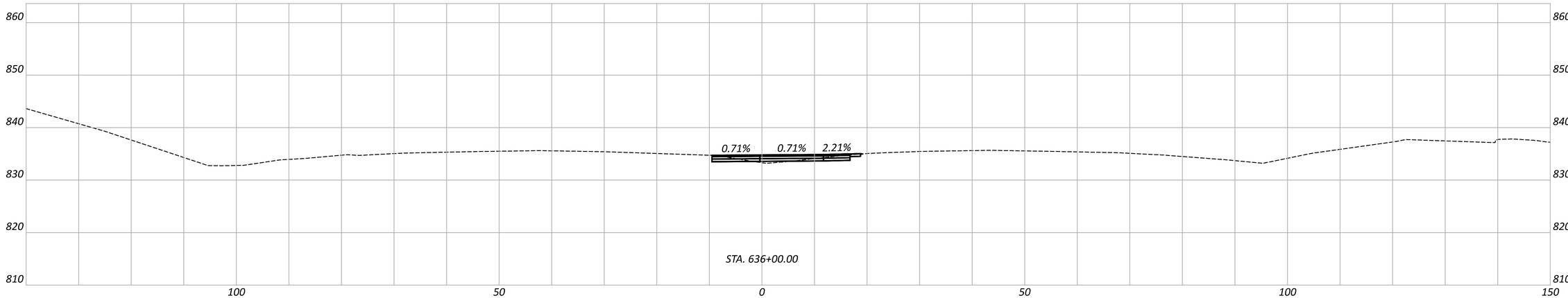
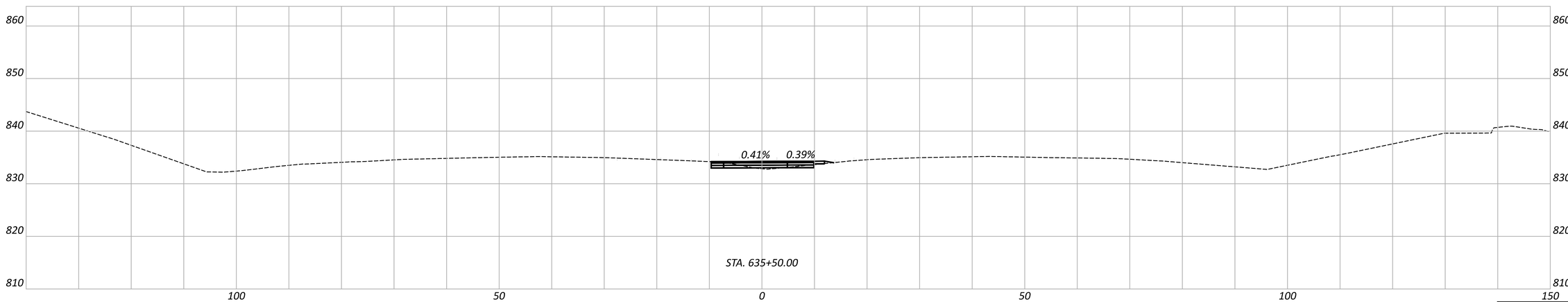
SHEET P.0228 TOTAL P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

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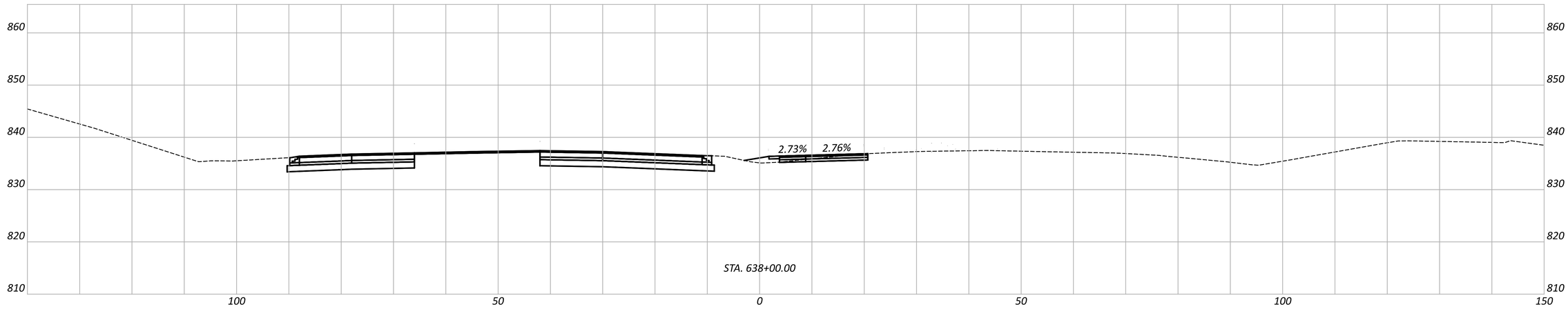
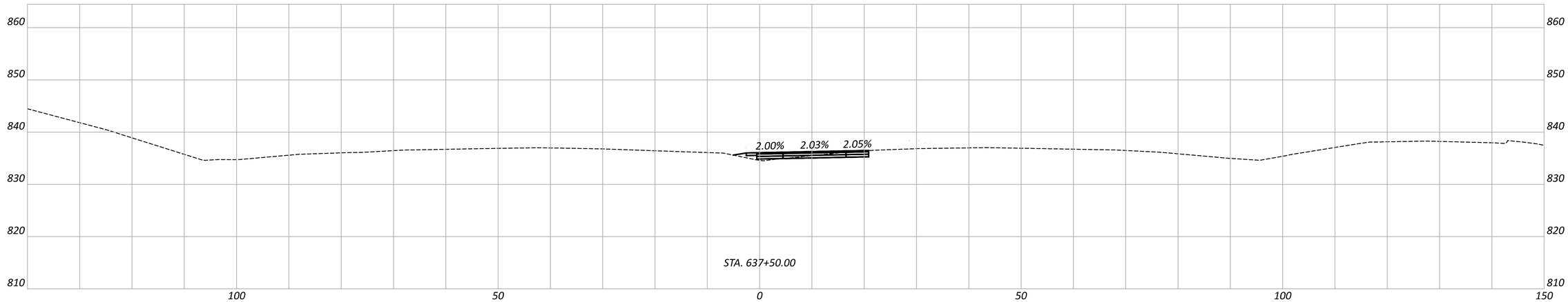
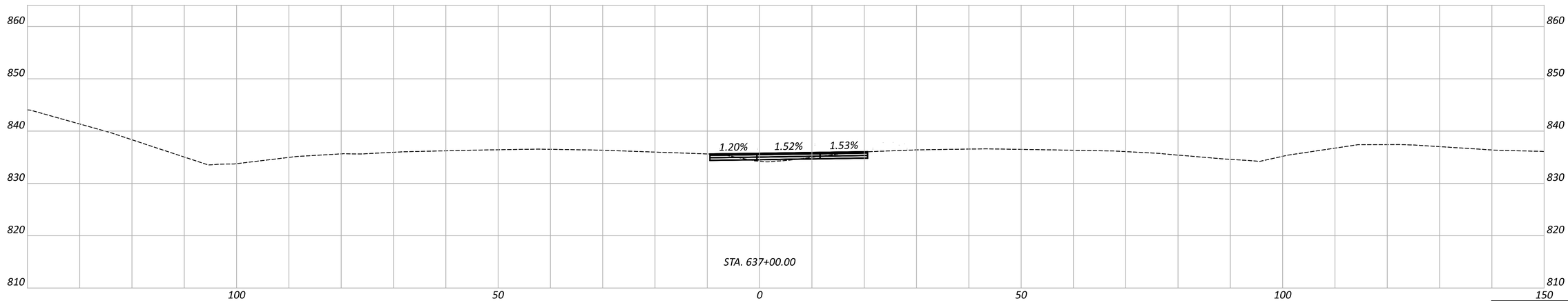
SHEET	TOTAL
P.0229	P.1556







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
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SHEET	TOTAL
P.0230	P.1556

FAI/LIC-IR 70-0.00/0.00

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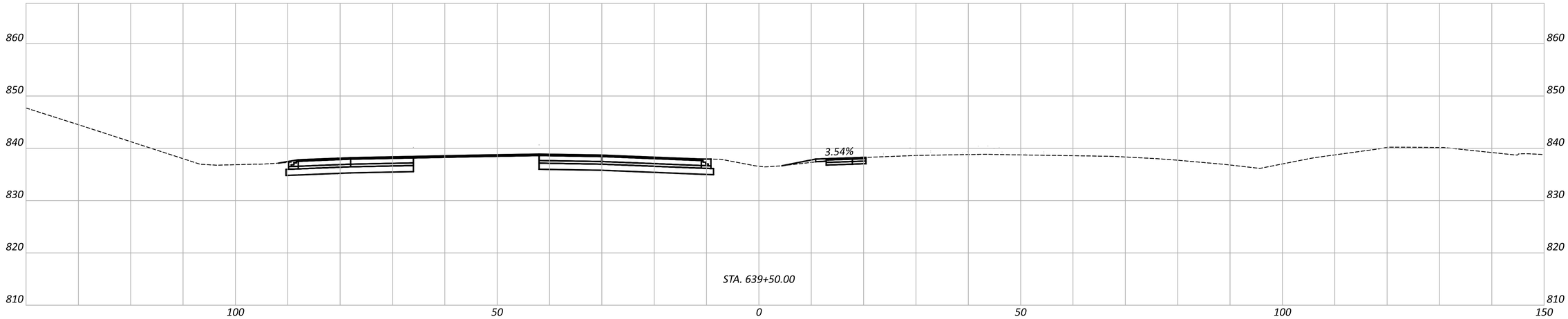

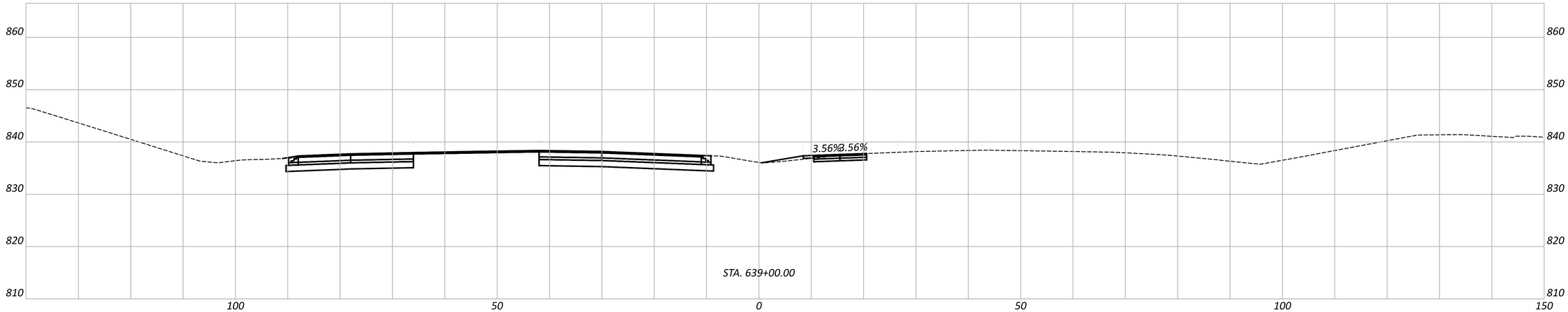

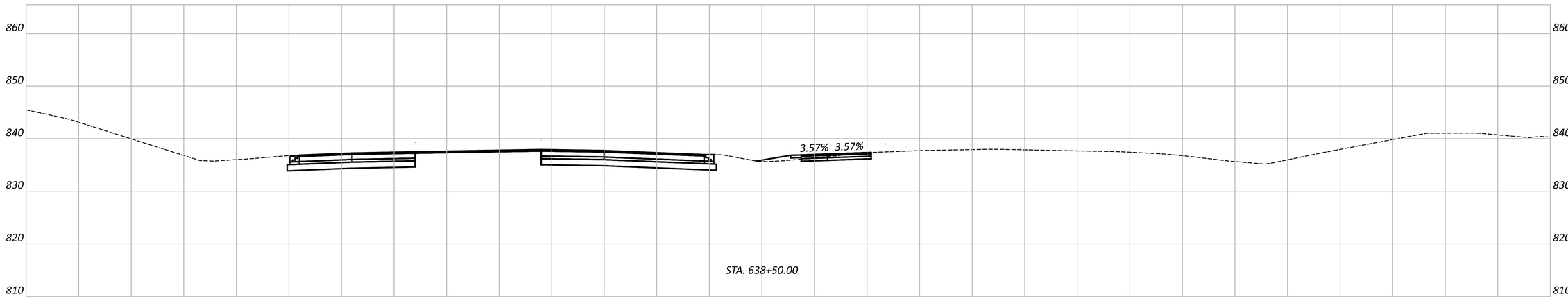

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
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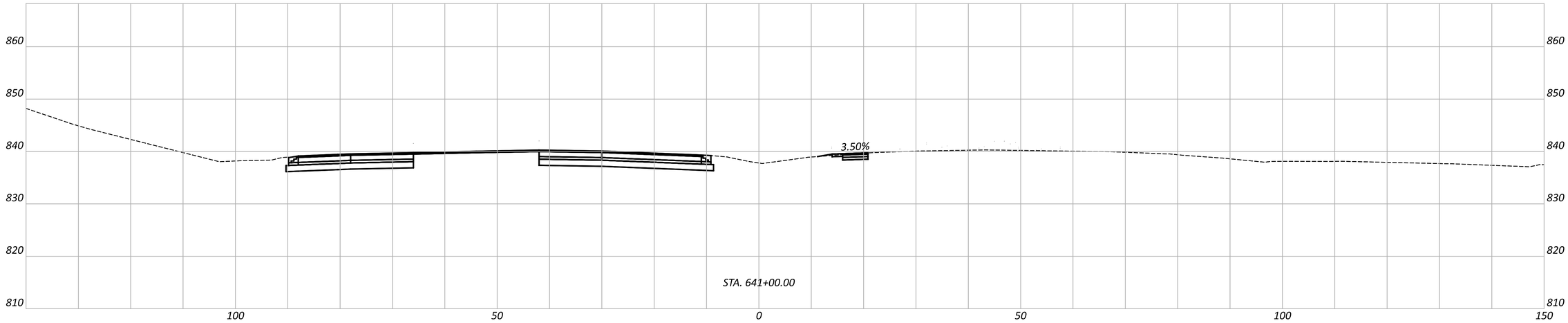
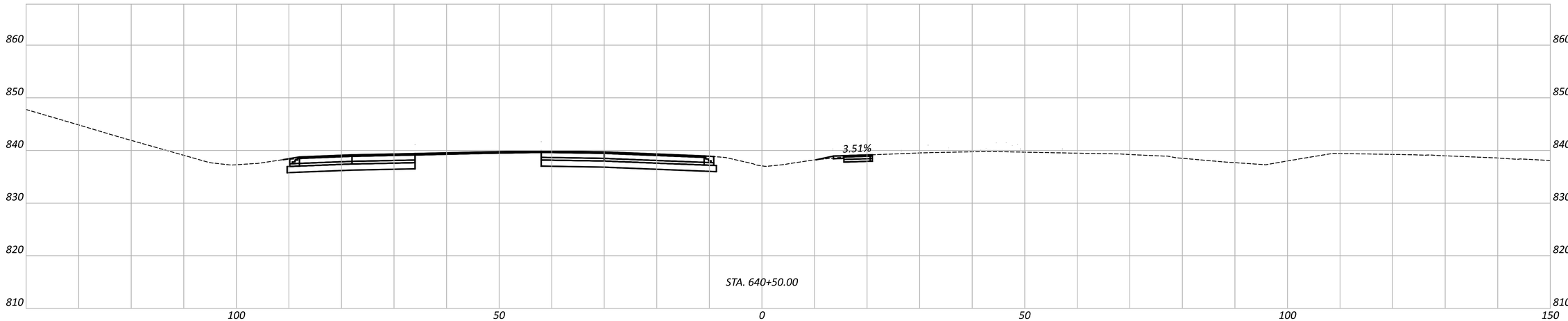
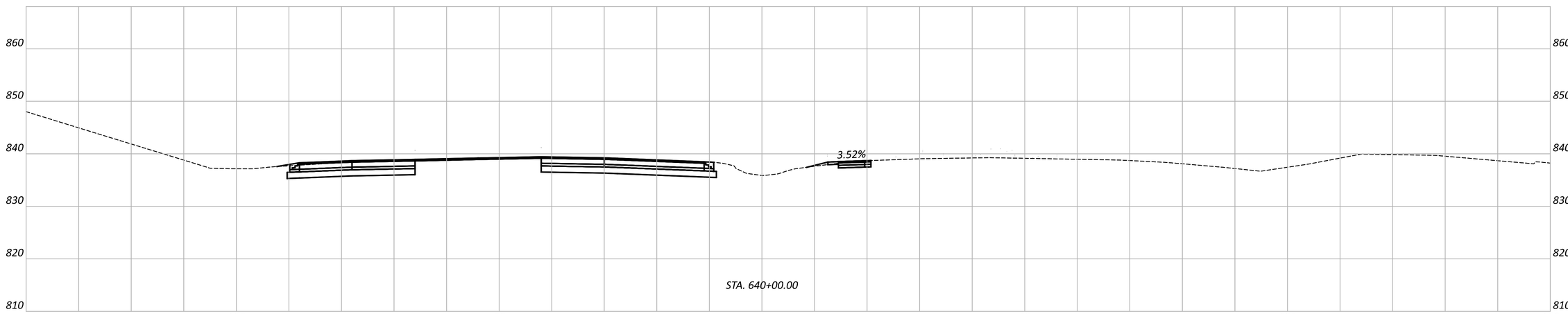
SHEET	TOTAL
P.0231	P.1556







FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

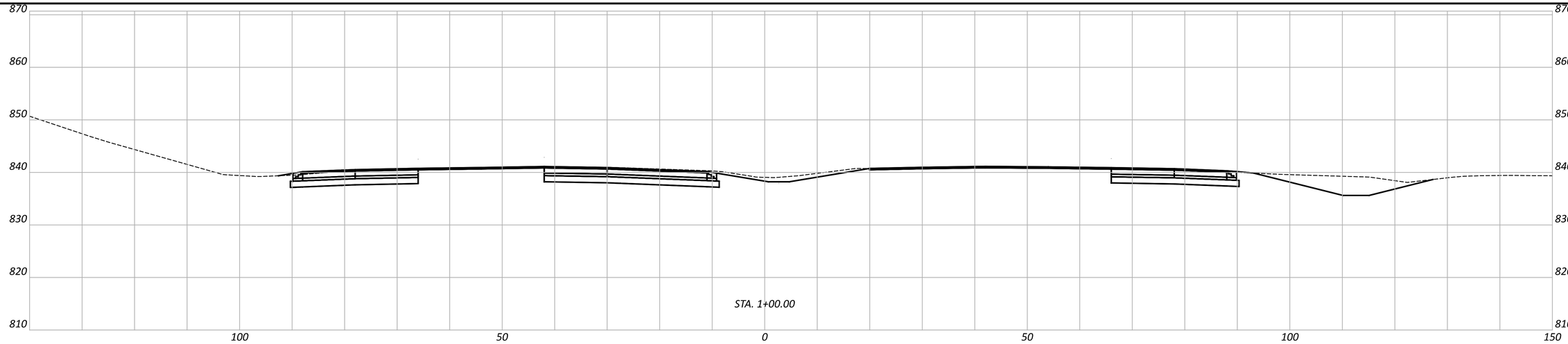
DESIGNER
JAS

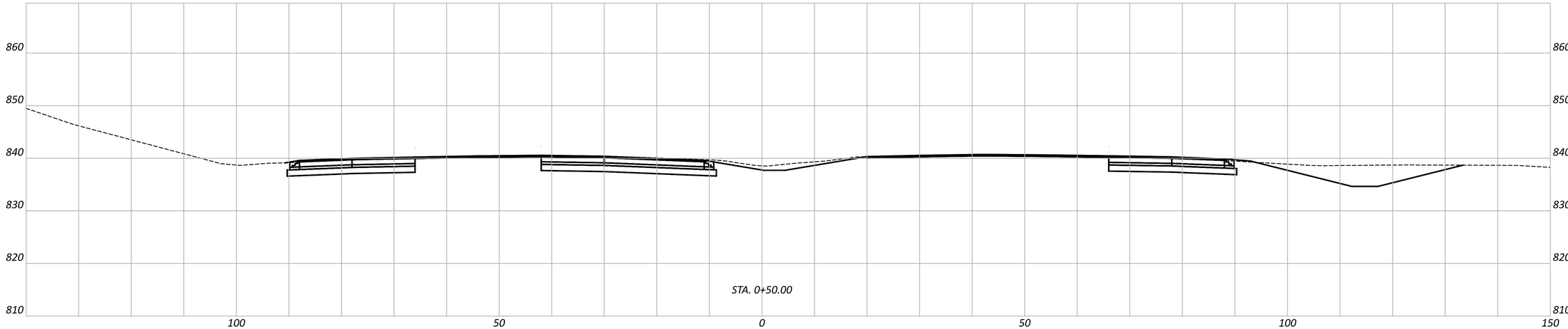
REVIEWER
DRJ 04/25/25

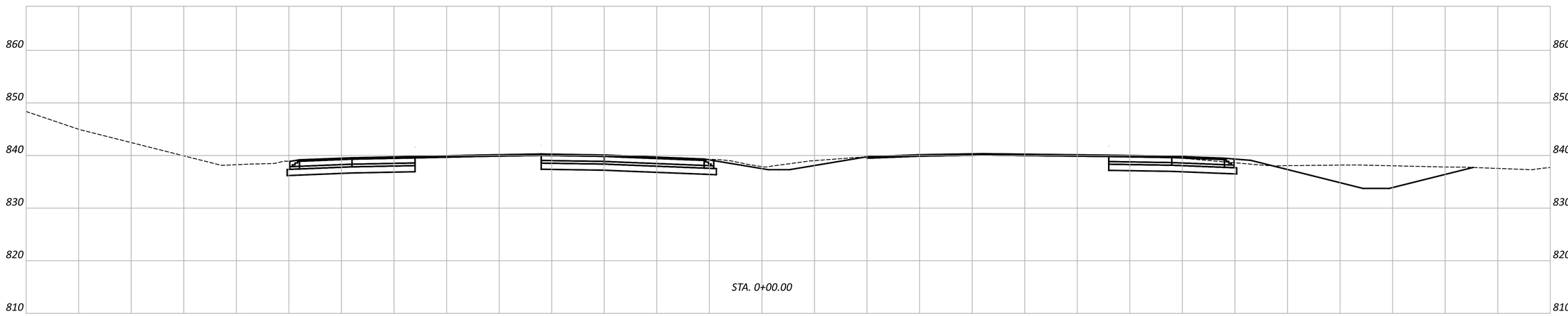
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0232	P.1556







FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - WESTERN CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

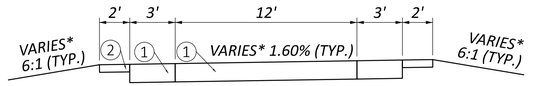
SHEET	TOTAL
P.0233	P.1556

X-1 **CURVE DATA**
P.I. = STA. 91+45.33
Δ = 07°13'52" RT
Dc = 02°29'28"
R = 2,300.00'
T = 145.33'
L = 290.27'
E = 4.59'

LEGEND

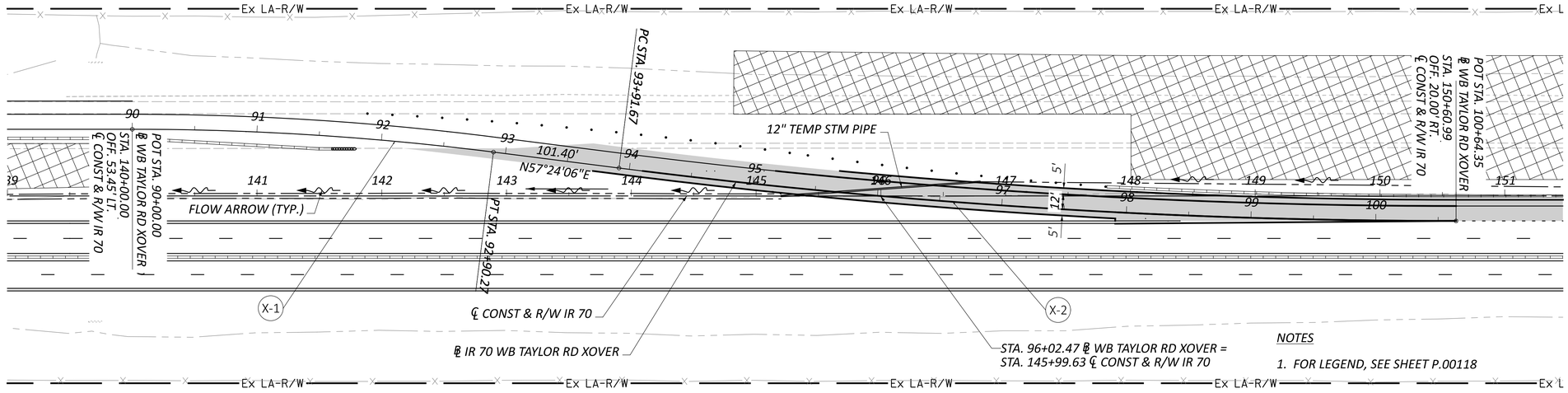
1. ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A
2. ITEM 304 - 6" AGGREGATE BASE

* SEE XOVER CROSS SECTIONS FOR DETAILS



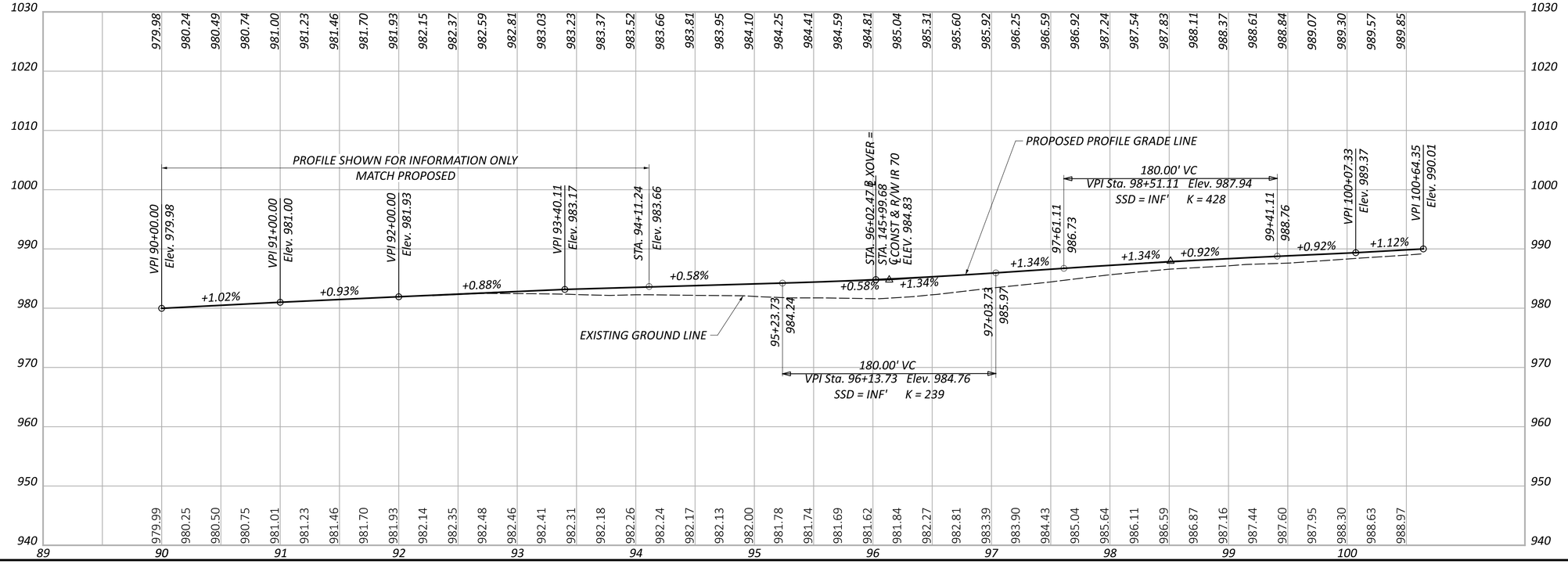
TYPICAL SECTION FOR WB TAYLOR RD CROSSOVER

X-2 **CURVE DATA**
P.I. = STA. 97+28.46
Δ = 07°13'52" LT
Dc = 01°04'30"
R = 5,330.00'
T = 336.78'
L = 672.67'
E = 10.63'



NOTES

1. FOR LEGEND, SEE SHEET P.00118



HORIZONTAL SCALE IN FEET
0 50 100 25

MAINTENANCE OF TRAFFIC - CROSSOVER DETAILS
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	JAS
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0234
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: IR 70 WB Taylor Rd Exit Crossover - CO-402 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:16:03 PM USER: brieder
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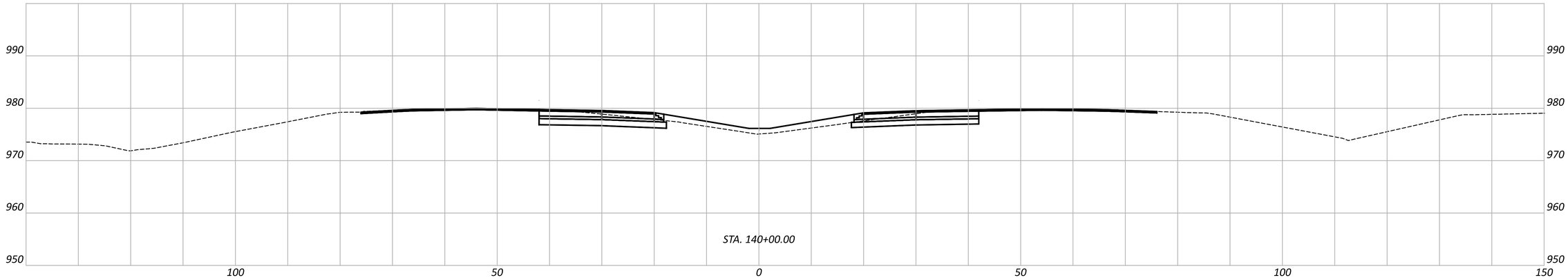

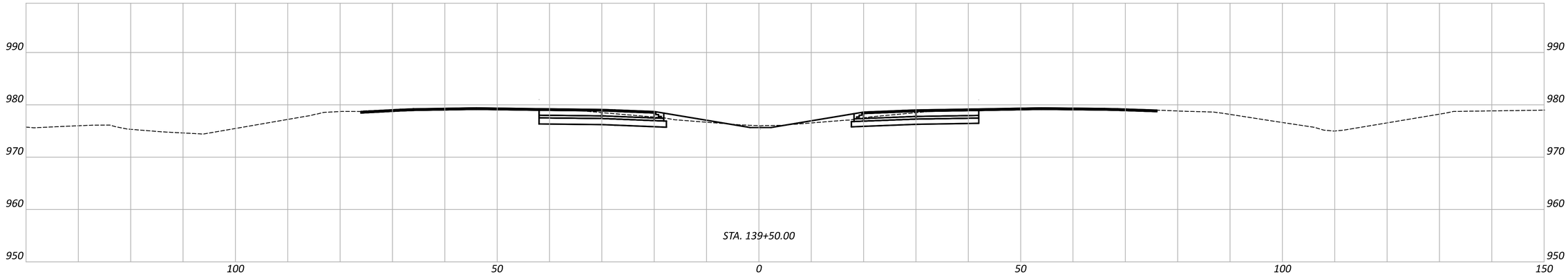

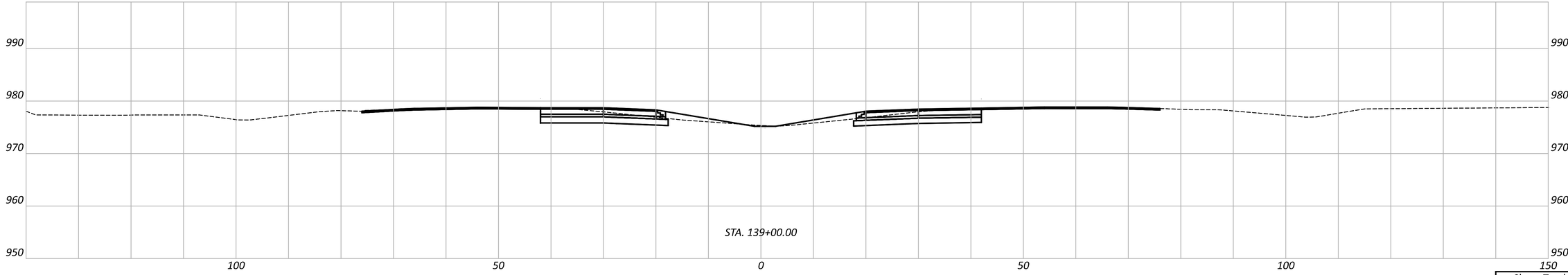

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

MODEL: CO-402 - A 139+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:16:22 PM USER: brieder
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DESIGN AGENCY
GANNETT FLEMING

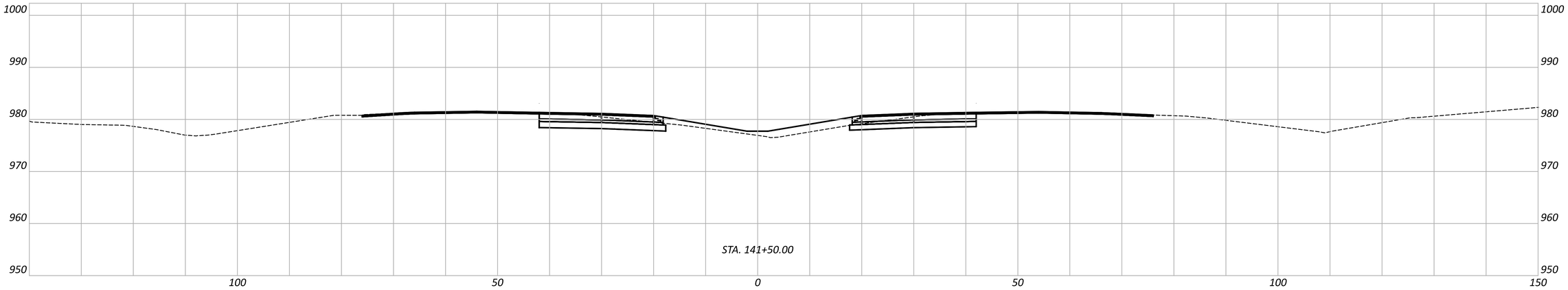
DESIGNER JAS

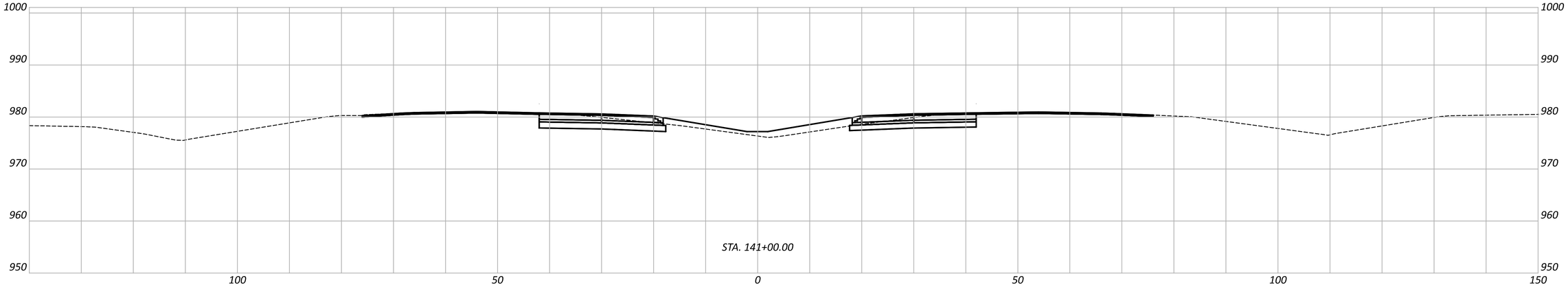
REVIEWER DRJ 04/25/25

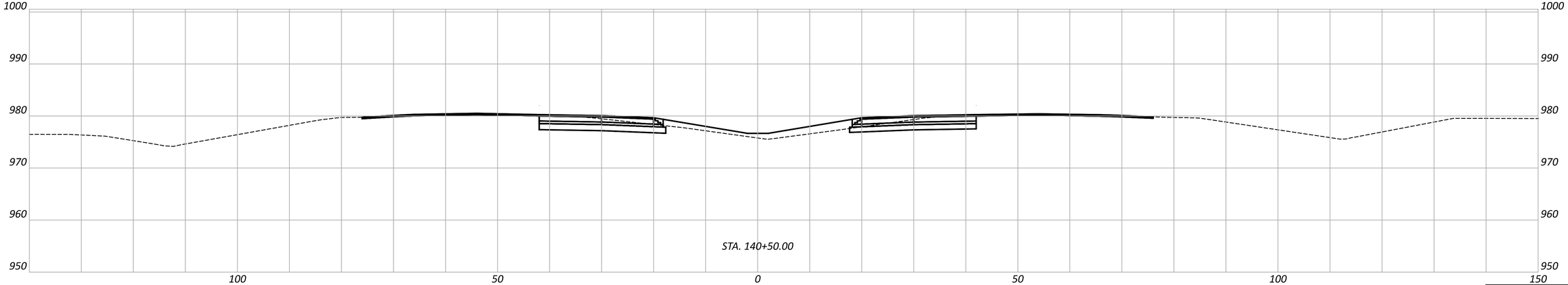
PROJECT ID 96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0235 TOTAL P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

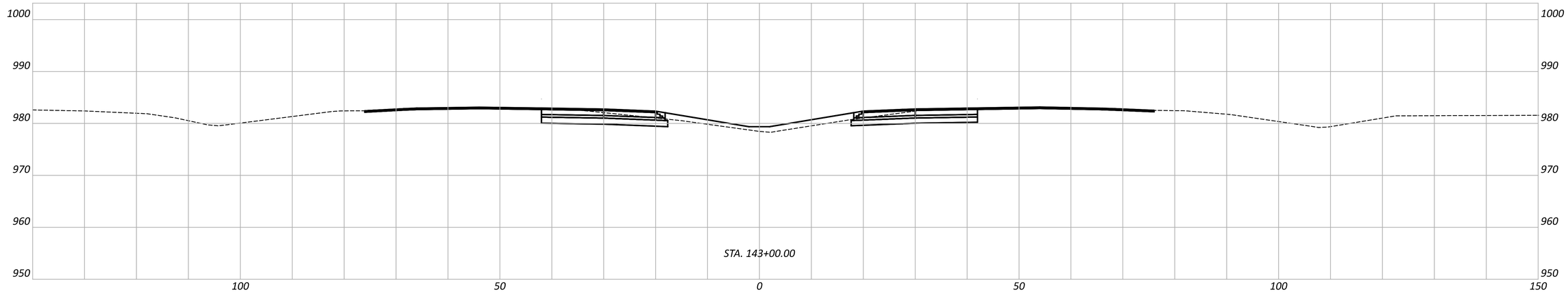
DESIGNER
JAS

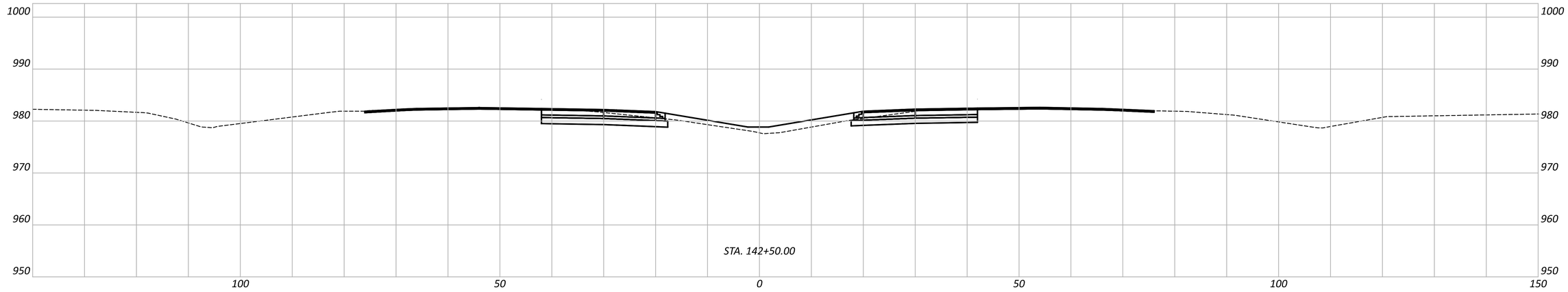
REVIEWER
DRJ 04/25/25

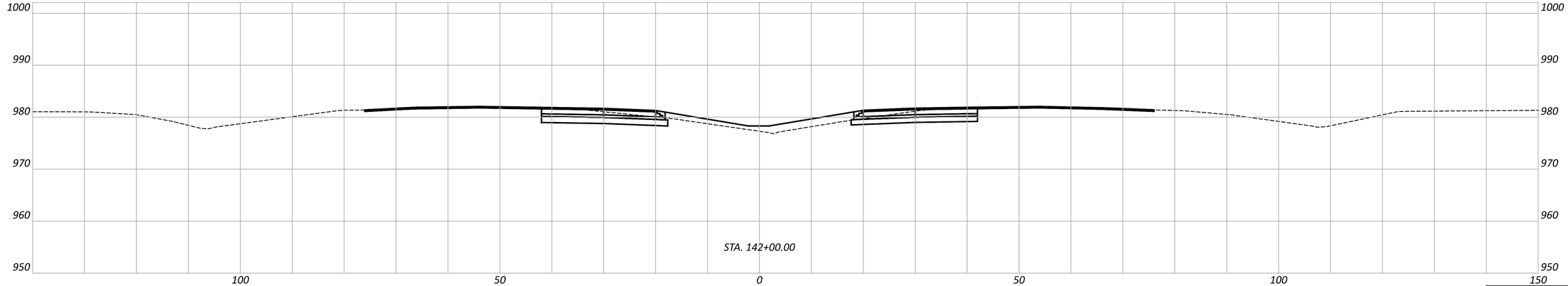
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0236 TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

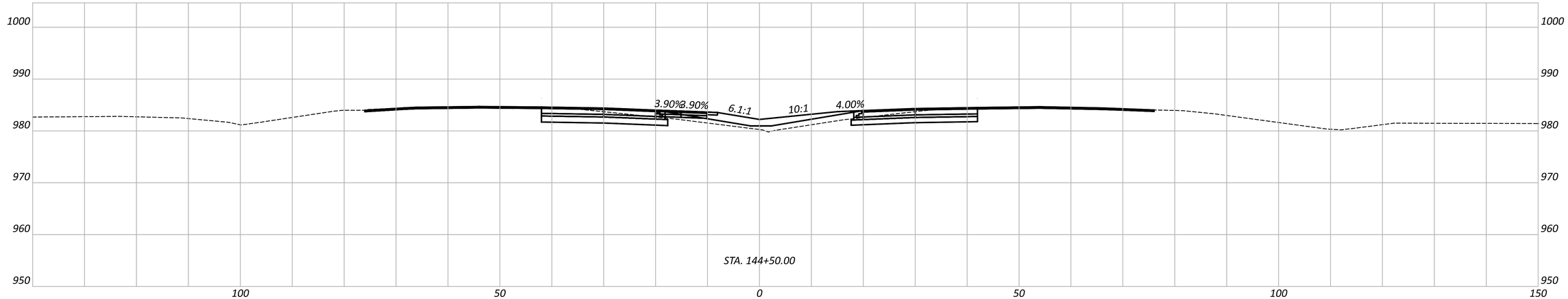
DESIGNER
JAS

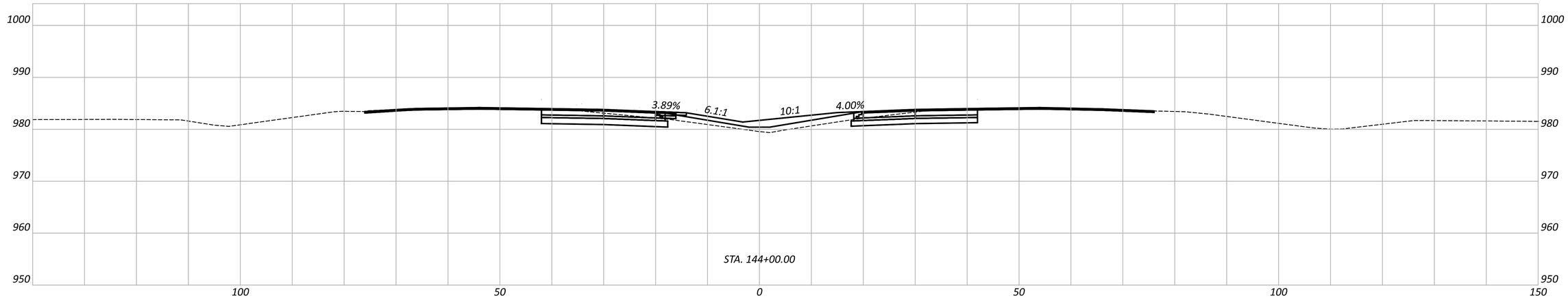
REVIEWER
DRJ 04/25/25

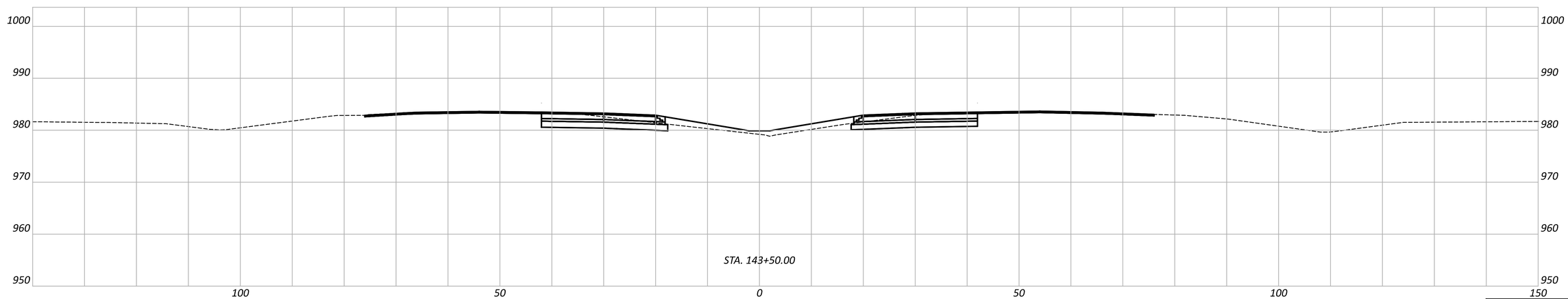
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0237 TOTAL P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	JAS
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0238
TOTAL	P.1556

Sheet Totals

Seeding	Cut	Fill

FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

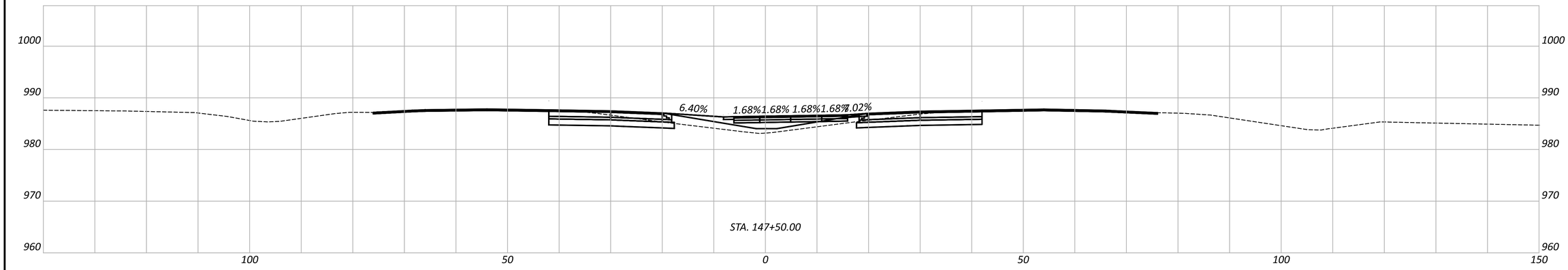
DESIGNER
JAS

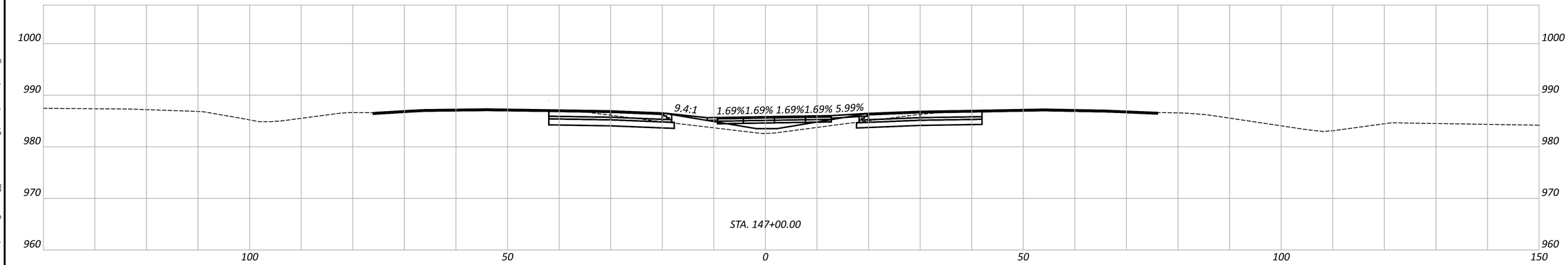
REVIEWER
DRJ 04/25/25

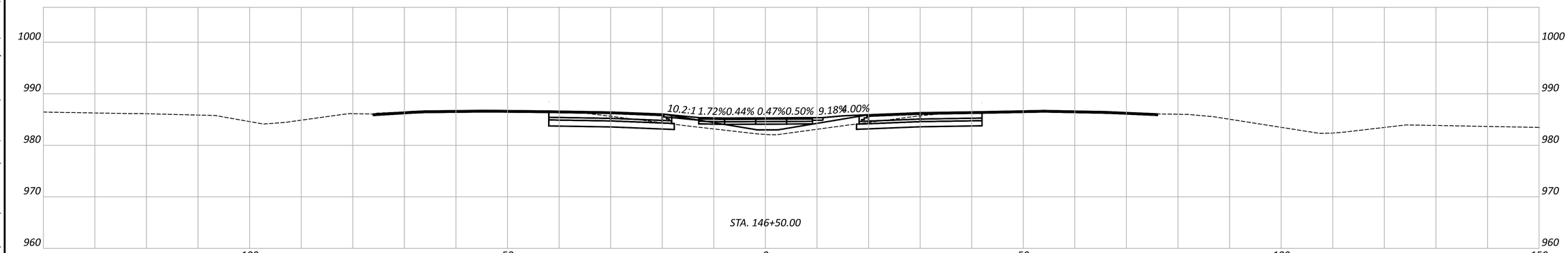
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0239	P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

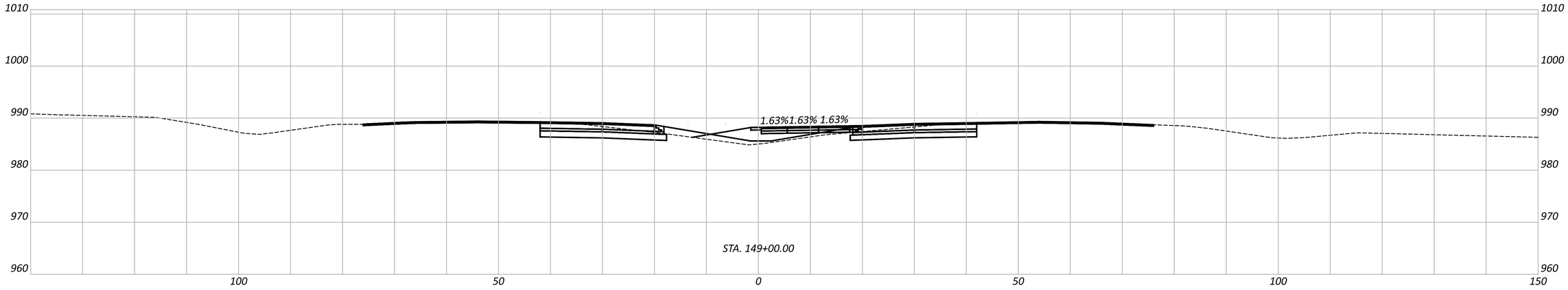
DESIGNER
JAS

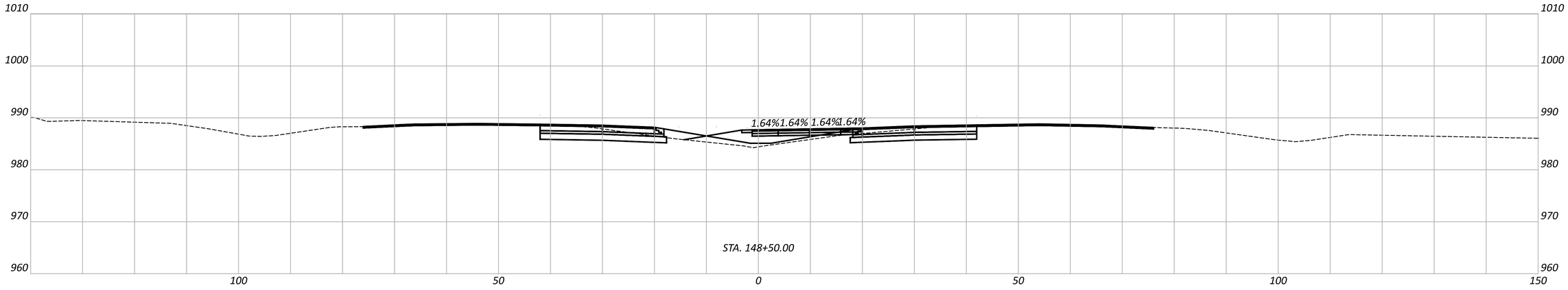
REVIEWER
DRJ 04/25/25

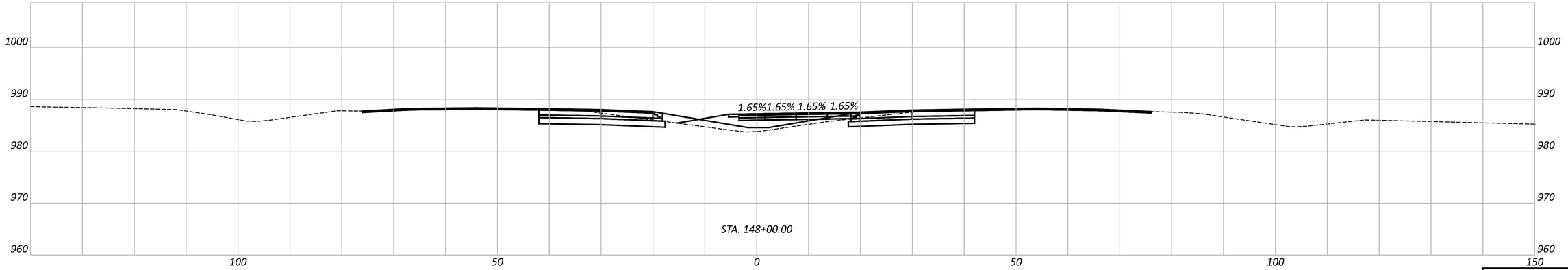
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0240 TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

Sheet Totals		
Seeding	Cut	Fill

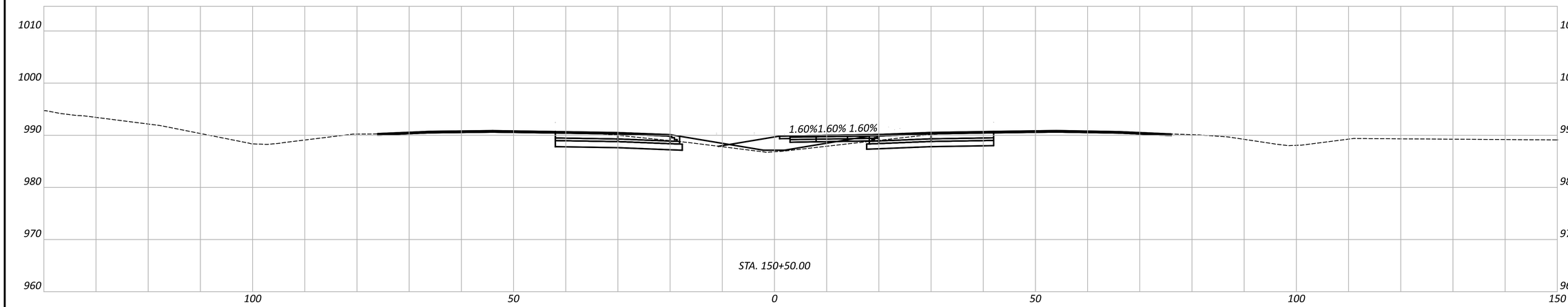
DESIGN AGENCY
GANNETT FLEMING

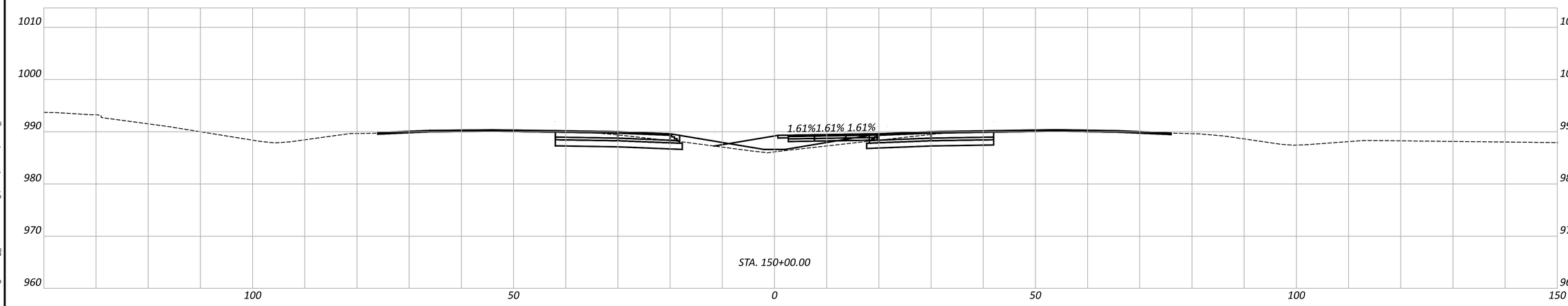
DESIGNER
JAS

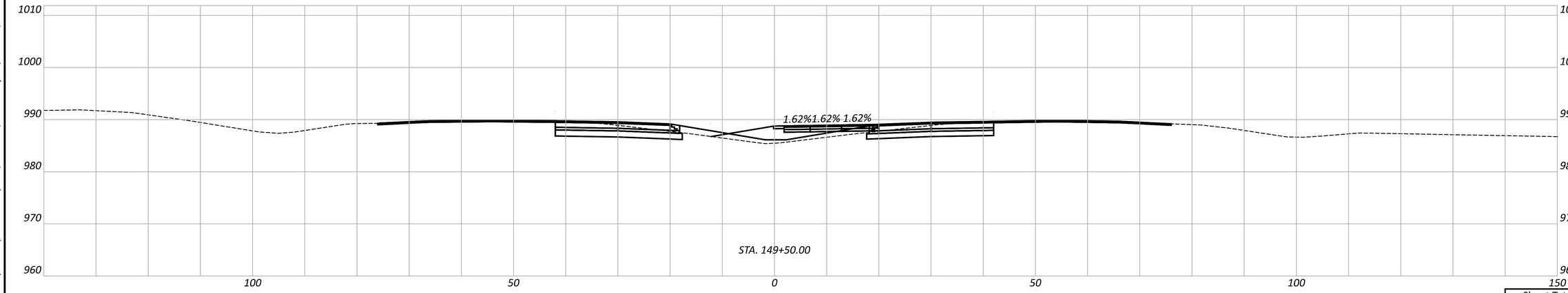
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0241	P.1556







FAI/LIC-IR 70-0.00/0.00

MODEL: CO-402 - A 149+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:17:11 PM USER: brieder
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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

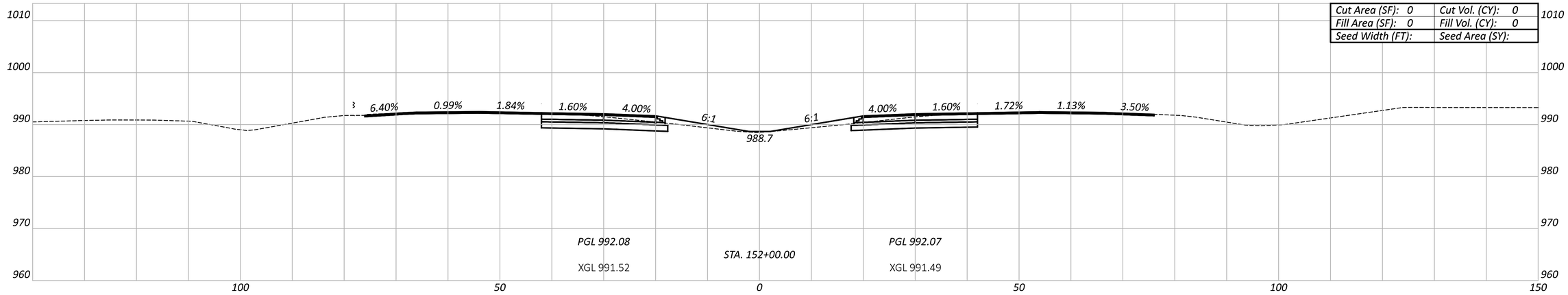
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0242	P.1556



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Fill Area (SF): 0	Fill Vol. (CY): 0
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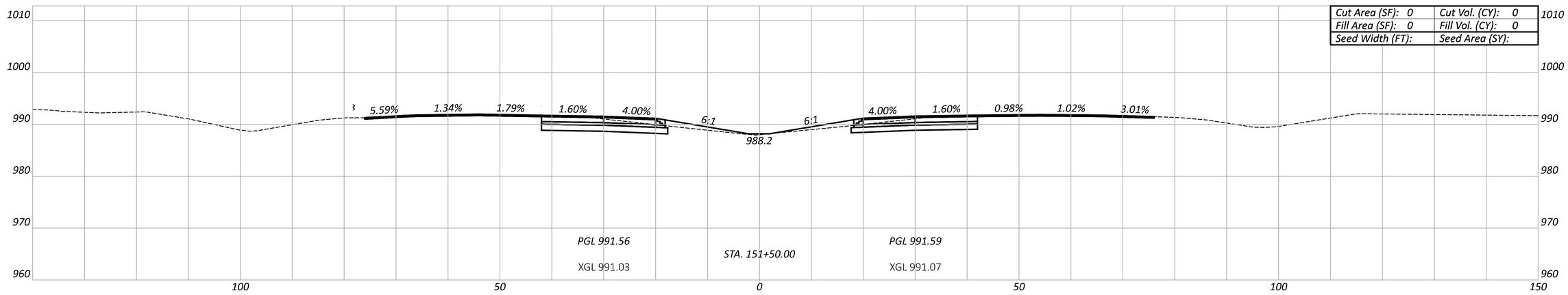

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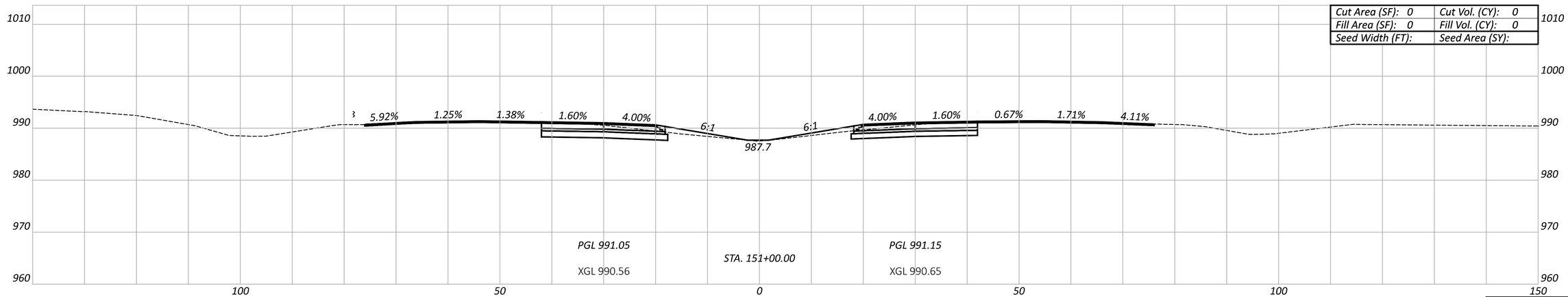

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Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

Sheet Totals		
Seeding	Cut	Fill

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - TAYLOR ROAD CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

MODEL: CO-402 - A 151+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:17:17 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MP499

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

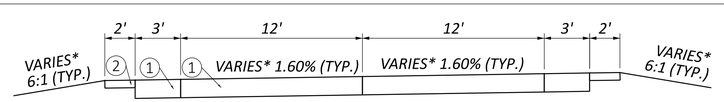
SHEET P.0243 TOTAL P.1556

X-1 *CURVE DATA*
P.I. = STA. 82+91.10
Δ = 08°38'52" LT
Dc = 01°29'18"
R = 3,850.00'
T = 291.10'
L = 581.09'
E = 10.99'

LEGEND

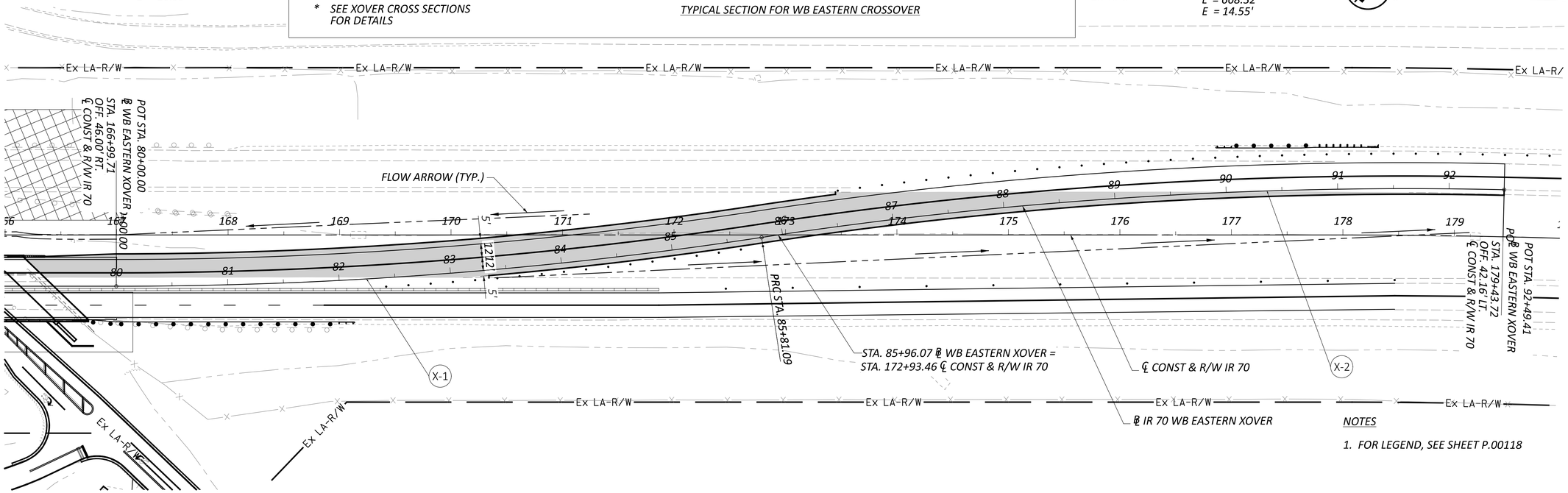
1. *ITEM 615 - 14.5" PAVEMENT FOR MAINTAING OF TRAFFIC, CLASS A*
2. *ITEM 304 - 6" AGGREGATE BASE*

* *SEE XOVER CROSS SECTIONS FOR DETAILS*



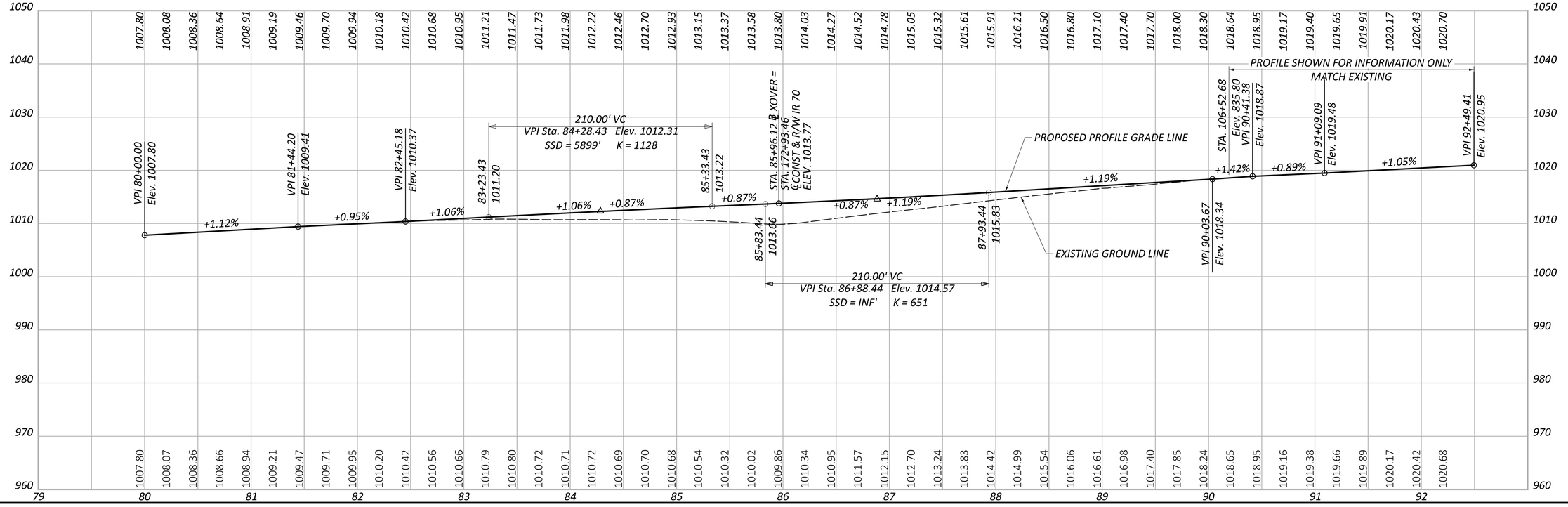
TYPICAL SECTION FOR WB EASTERN CROSSOVER

X-2 *CURVE DATA*
P.I. = STA. 89+16.09
Δ = 09°56'46" RT
Dc = 01°29'18"
R = 3,850.00'
T = 335'
L = 668.32'
E = 14.55'



NOTES

1. *FOR LEGEND, SEE SHEET P.00118*



HORIZONTAL SCALE IN FEET
0 50 100 25

MAINTENANCE OF TRAFFIC - CROSSOVER DETAILS PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER JAS
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0244 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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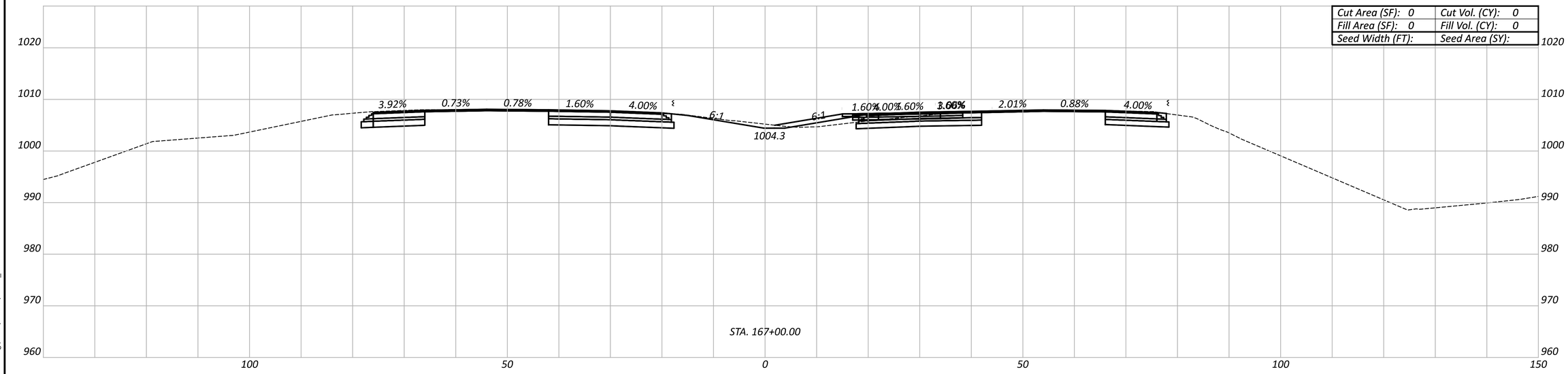

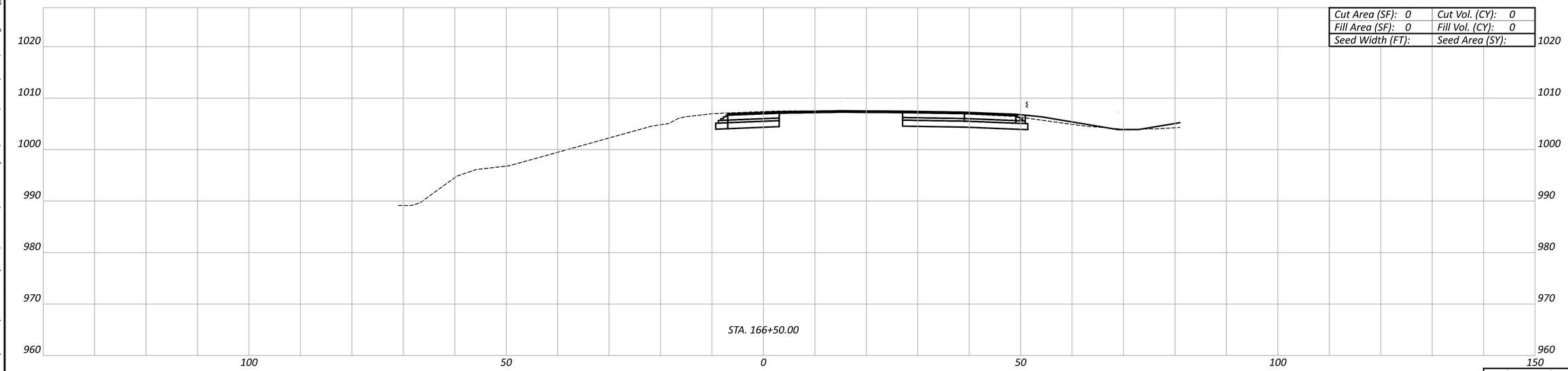

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0245 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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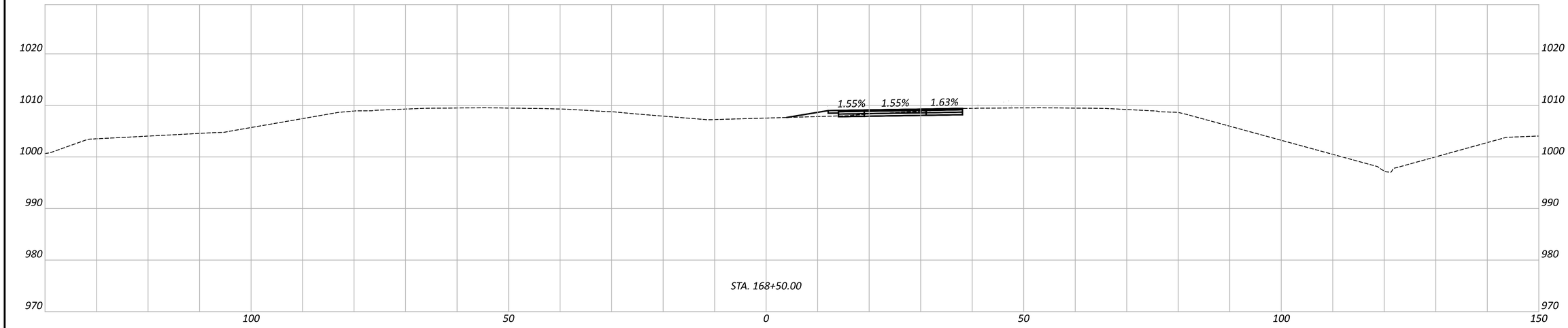

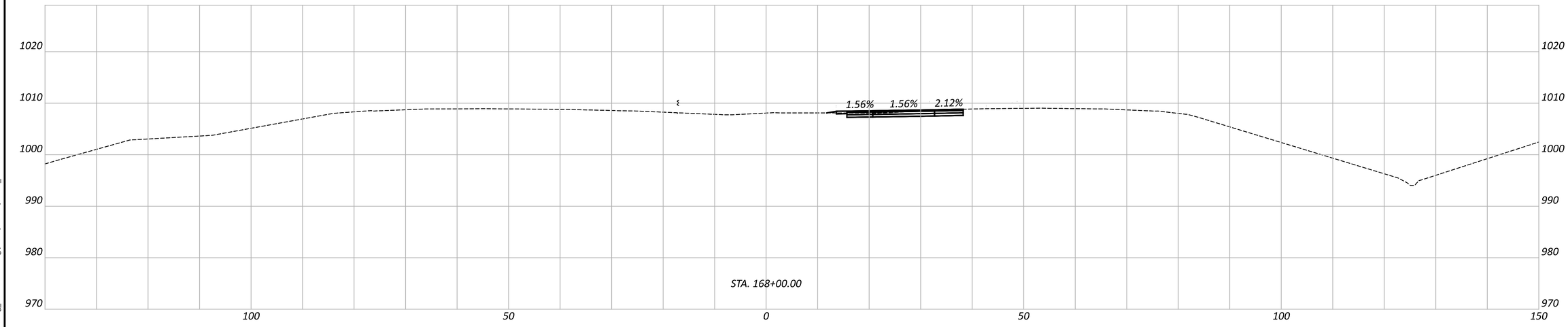

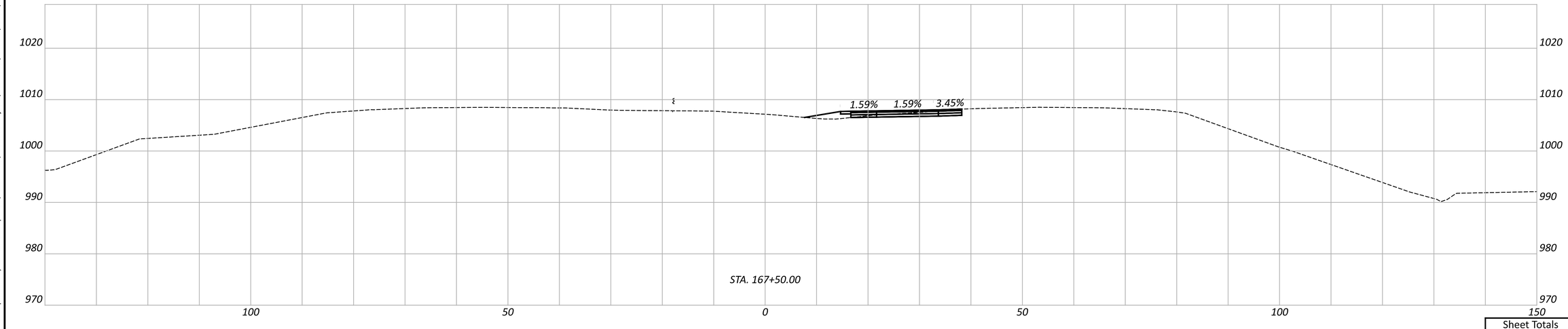

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
GANNETT FLEMING

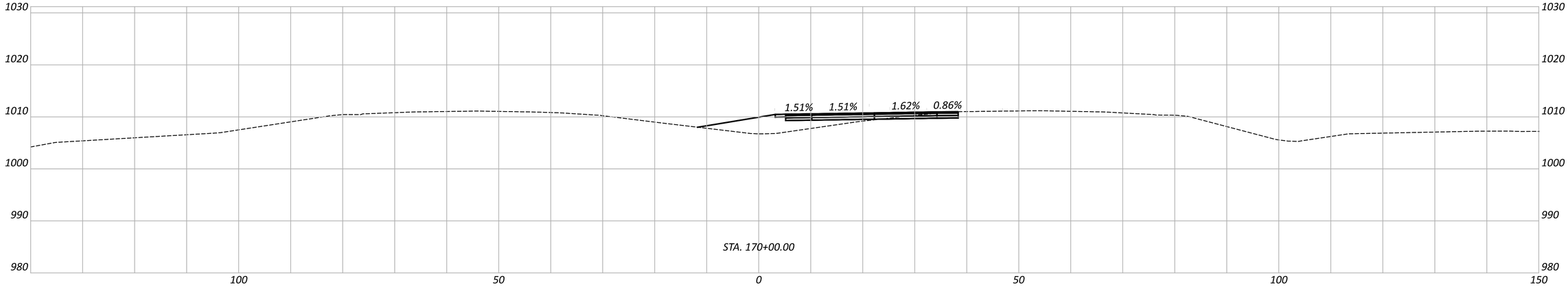
DESIGNER
JAS

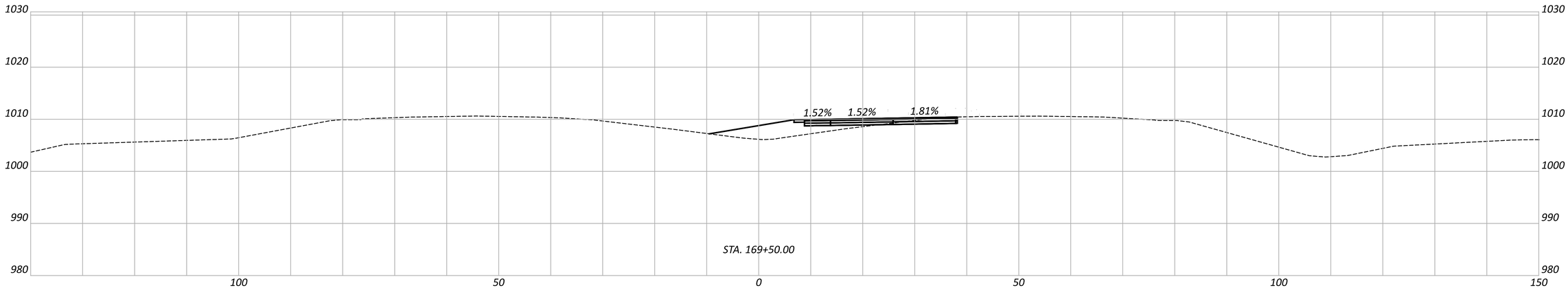
REVIEWER
DRJ 04/25/25

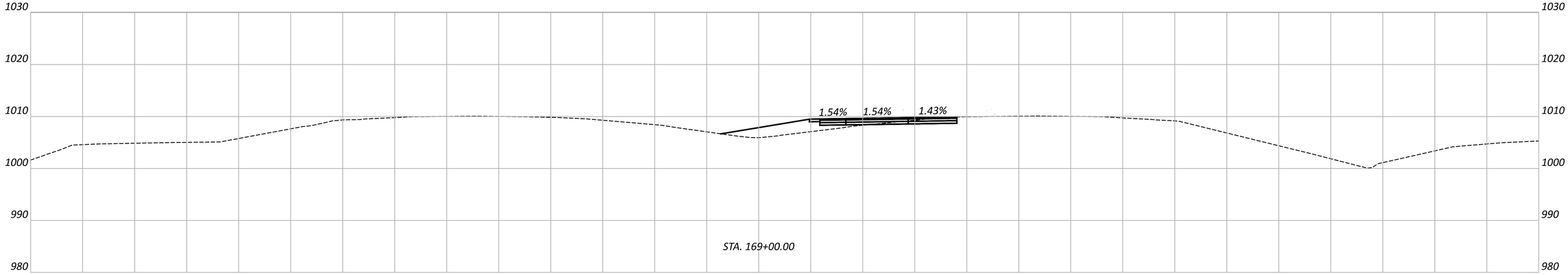
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0246 TOTAL P.1556







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Sheet Totals		
Seeding	Cut	Fill

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

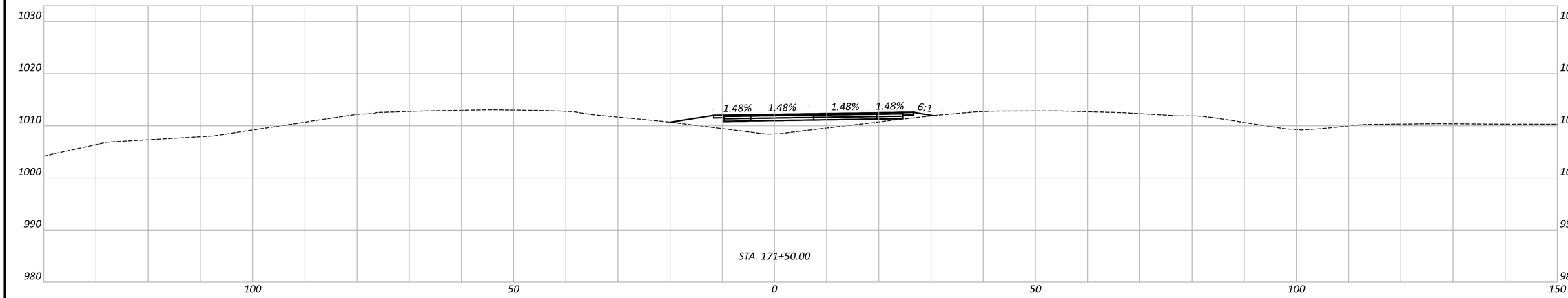
DESIGN AGENCY
GANNETT FLEMING

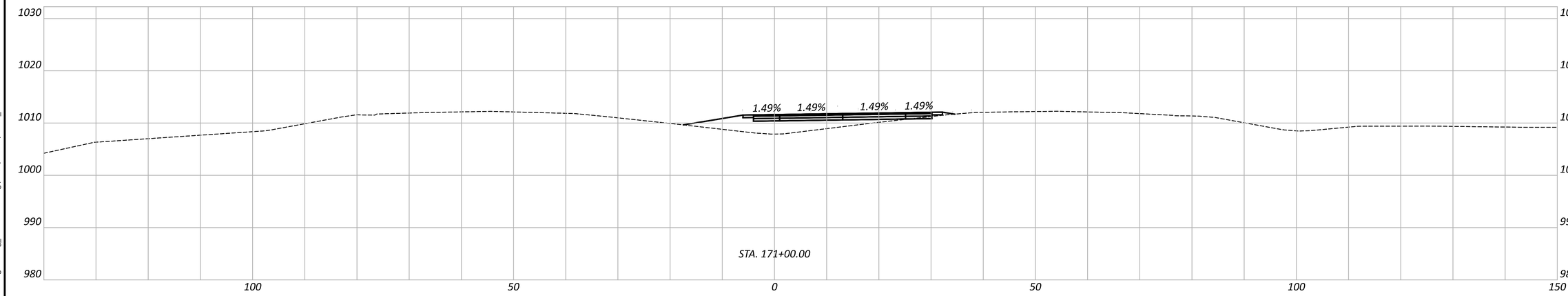
DESIGNER
JAS

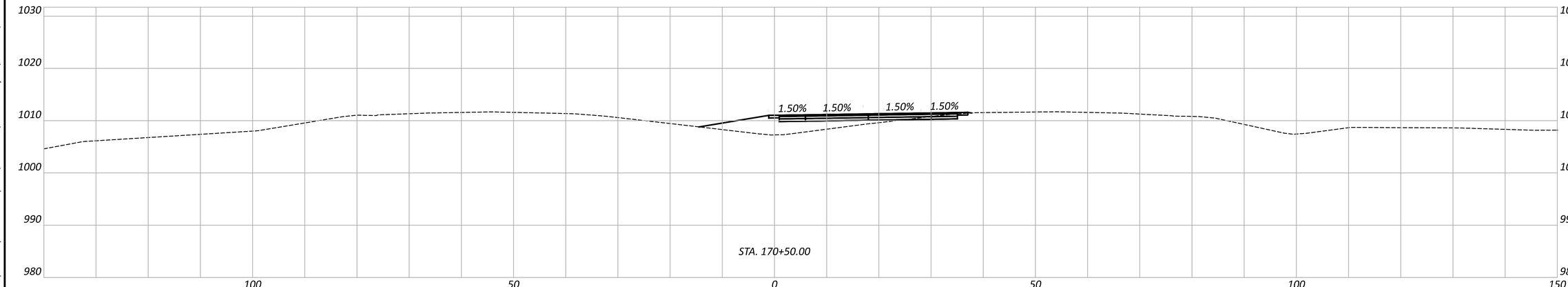
REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0247 TOTAL P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

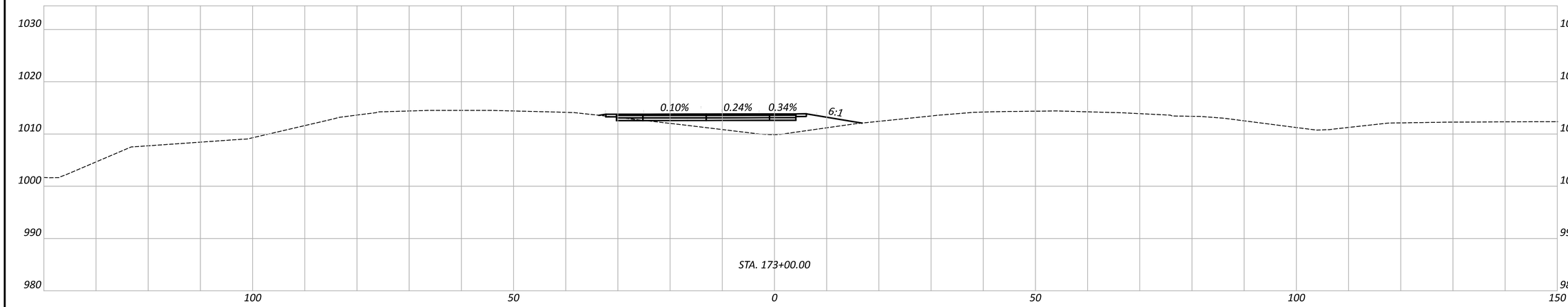
DESIGNER
JAS

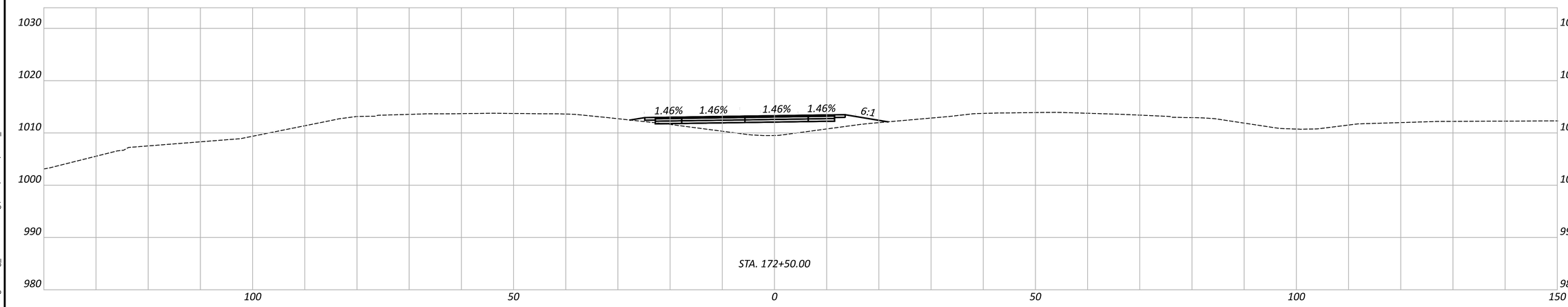
REVIEWER
DRJ 04/25/25

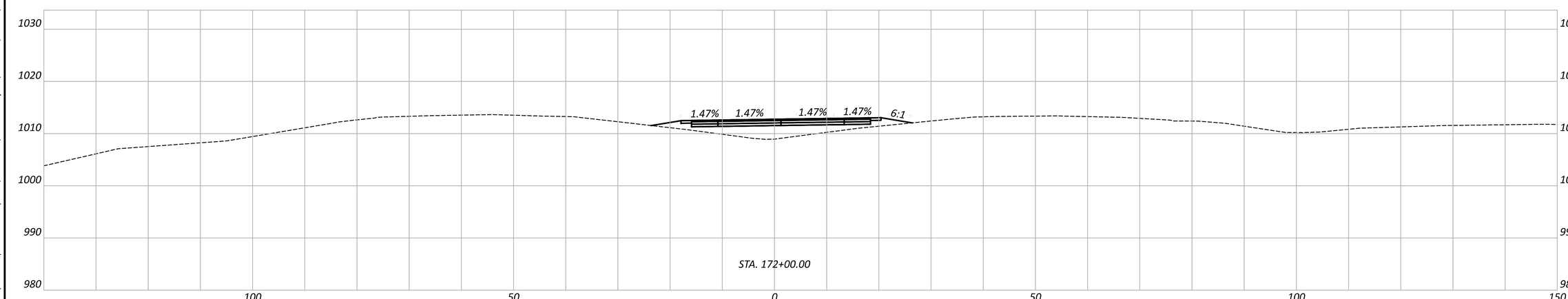
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0248	P.1556







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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

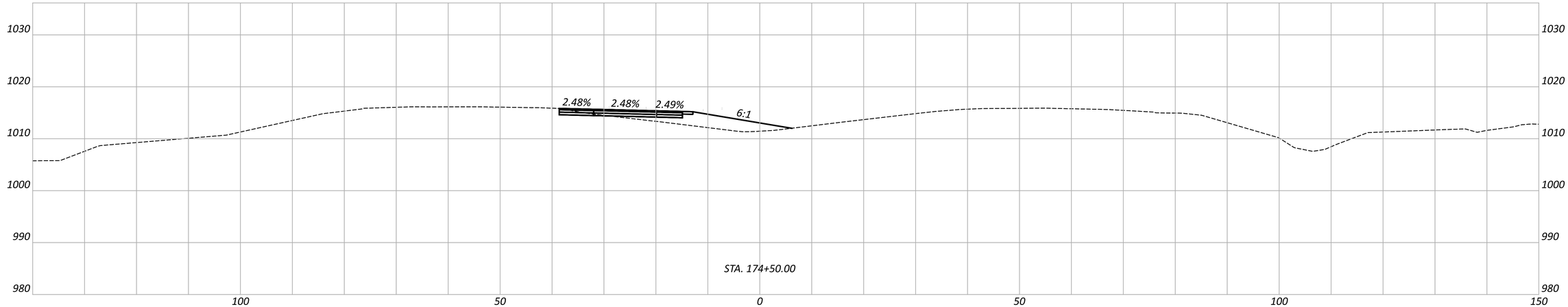
REVIEWER
DRJ 04/25/25

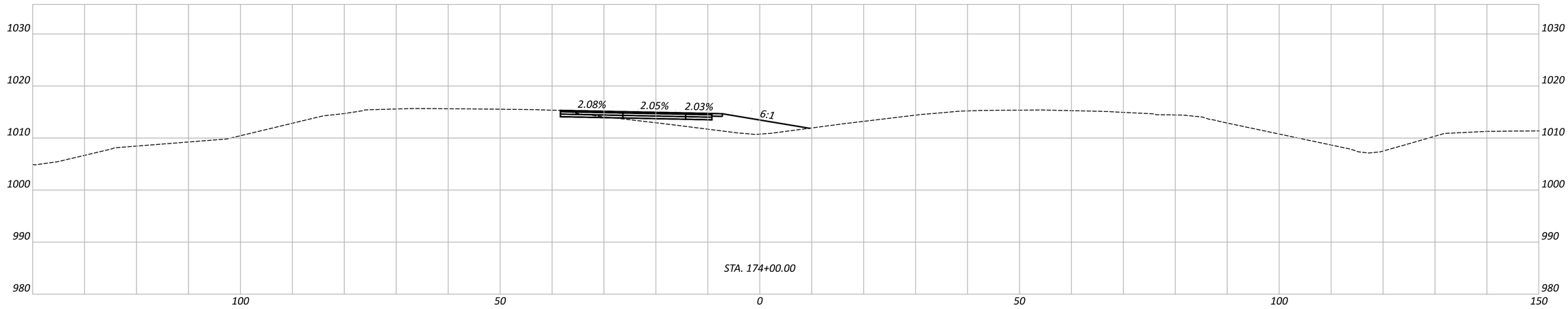
PROJECT ID
96808

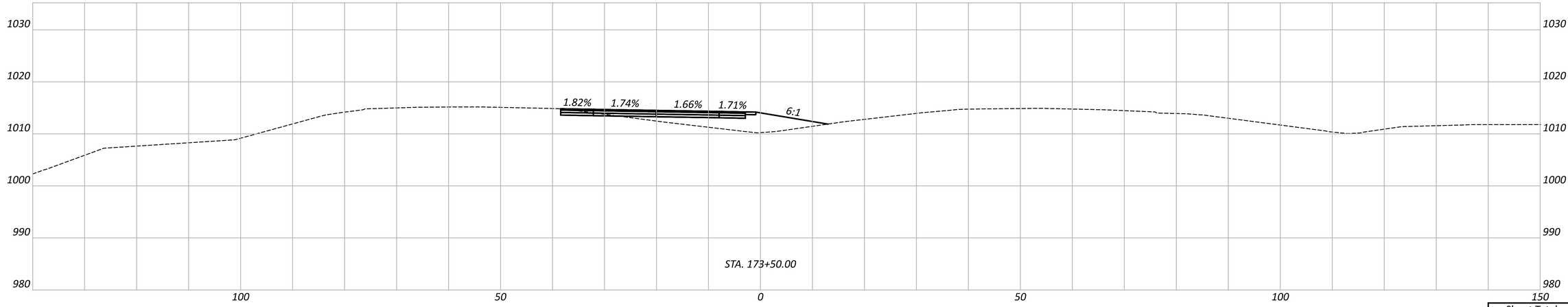
SHEET P.0249 TOTAL P.1556

Sheet Totals

Seeding	Cut	Fill







MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
GANNETT FLEMING

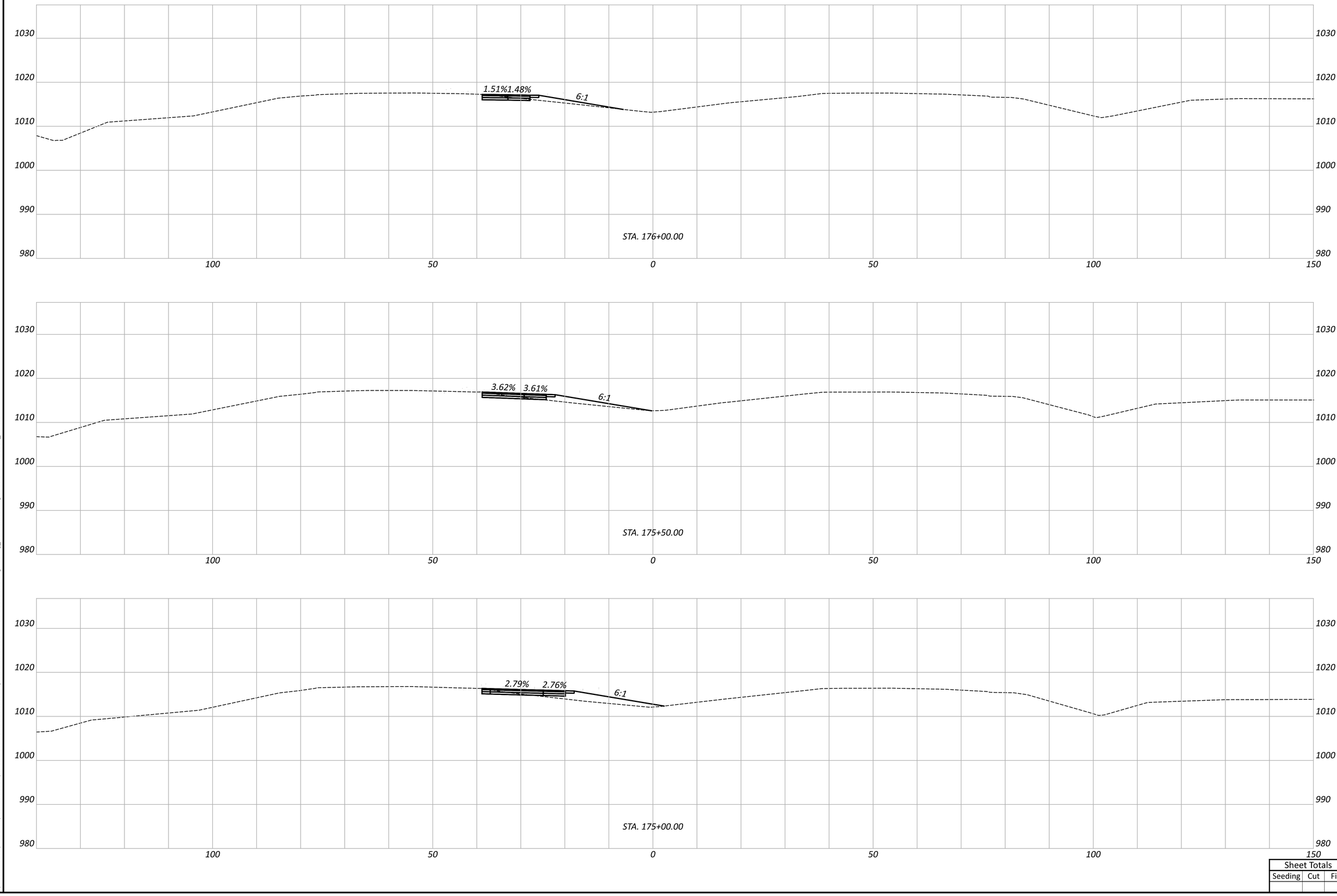
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0250 TOTAL P.1556



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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

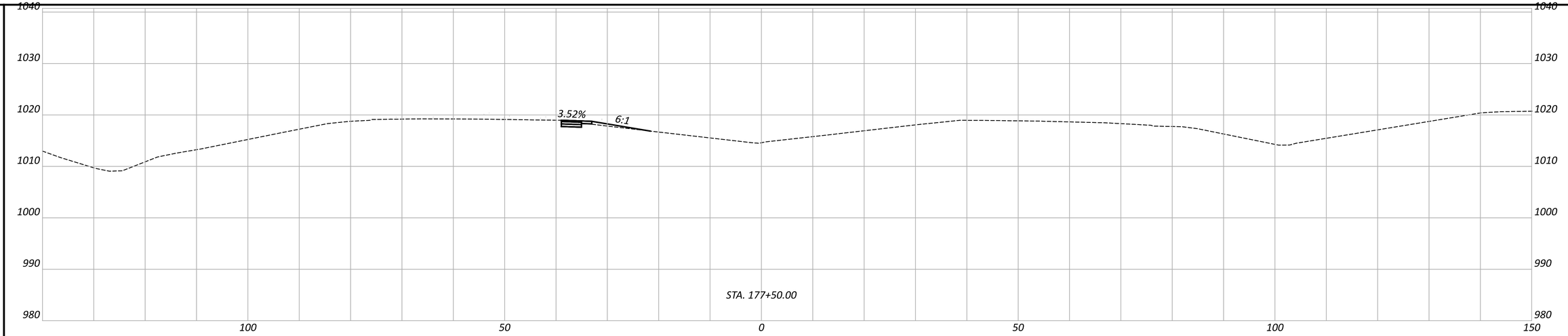
DESIGNER
JAS

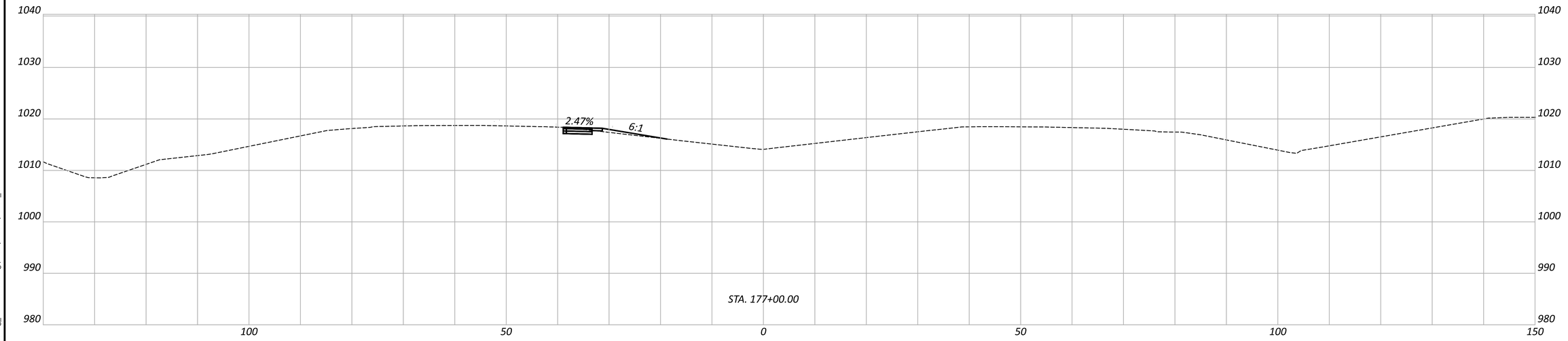
REVIEWER
DRJ 04/25/25

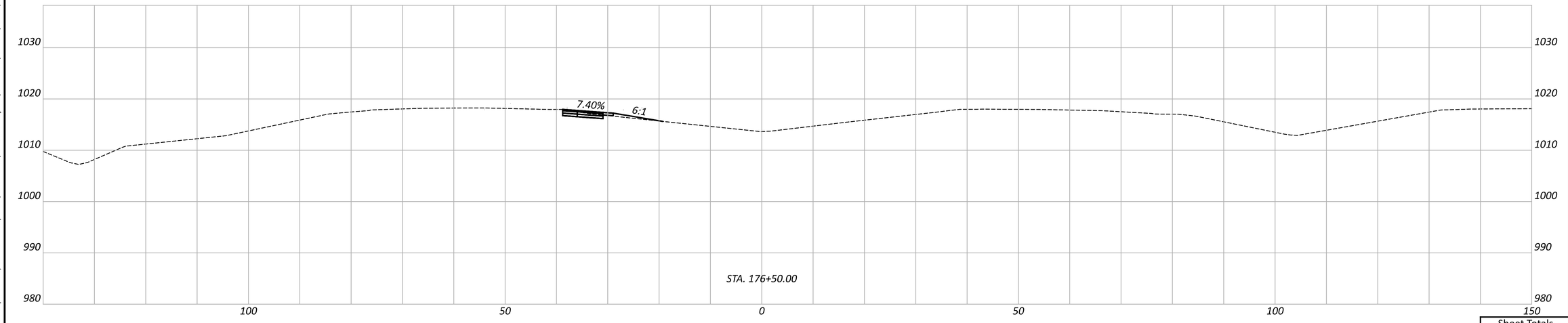
PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0251	P.1556







FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

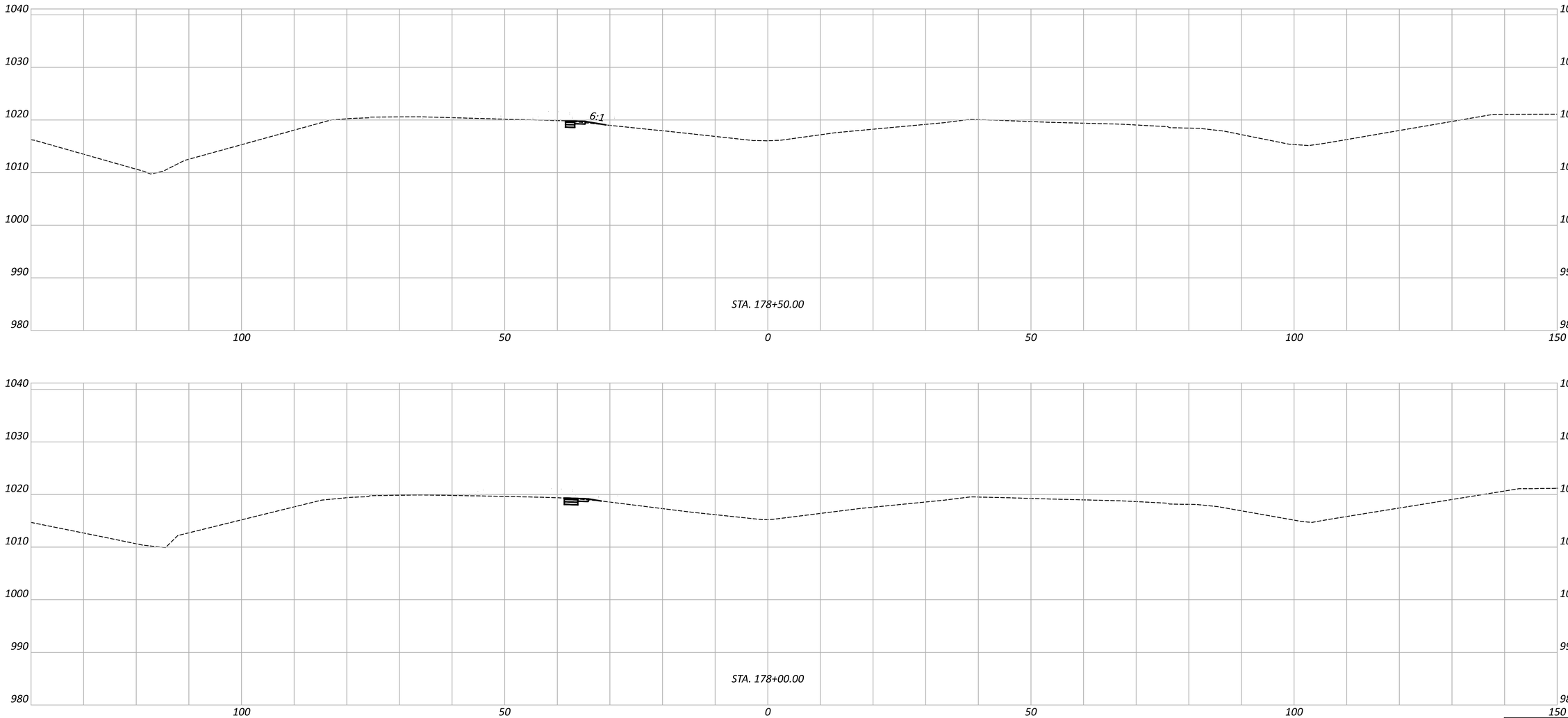
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0252	P.1556



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

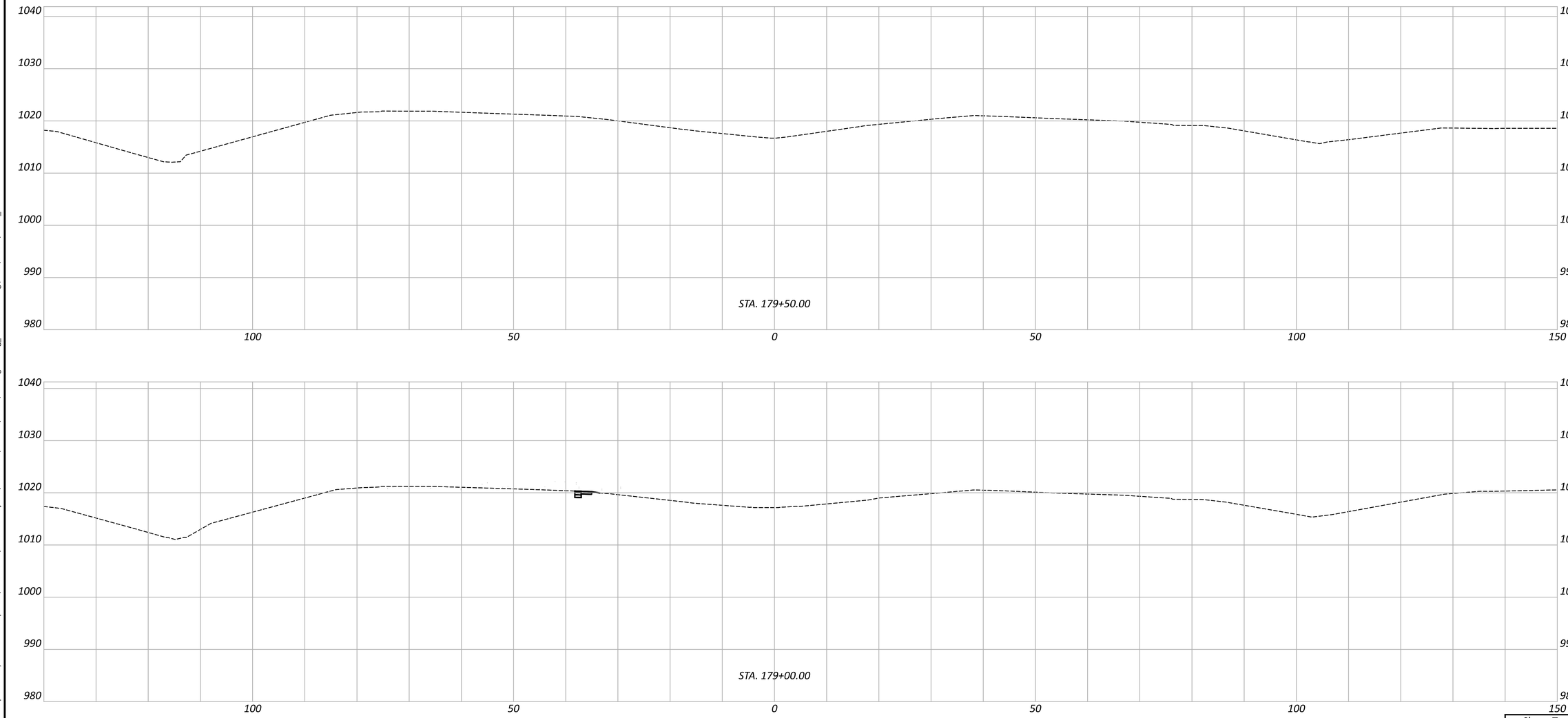
DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET P.0253 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.0254	P.1556

FAI/LIC-IR 70-0.00/0.00

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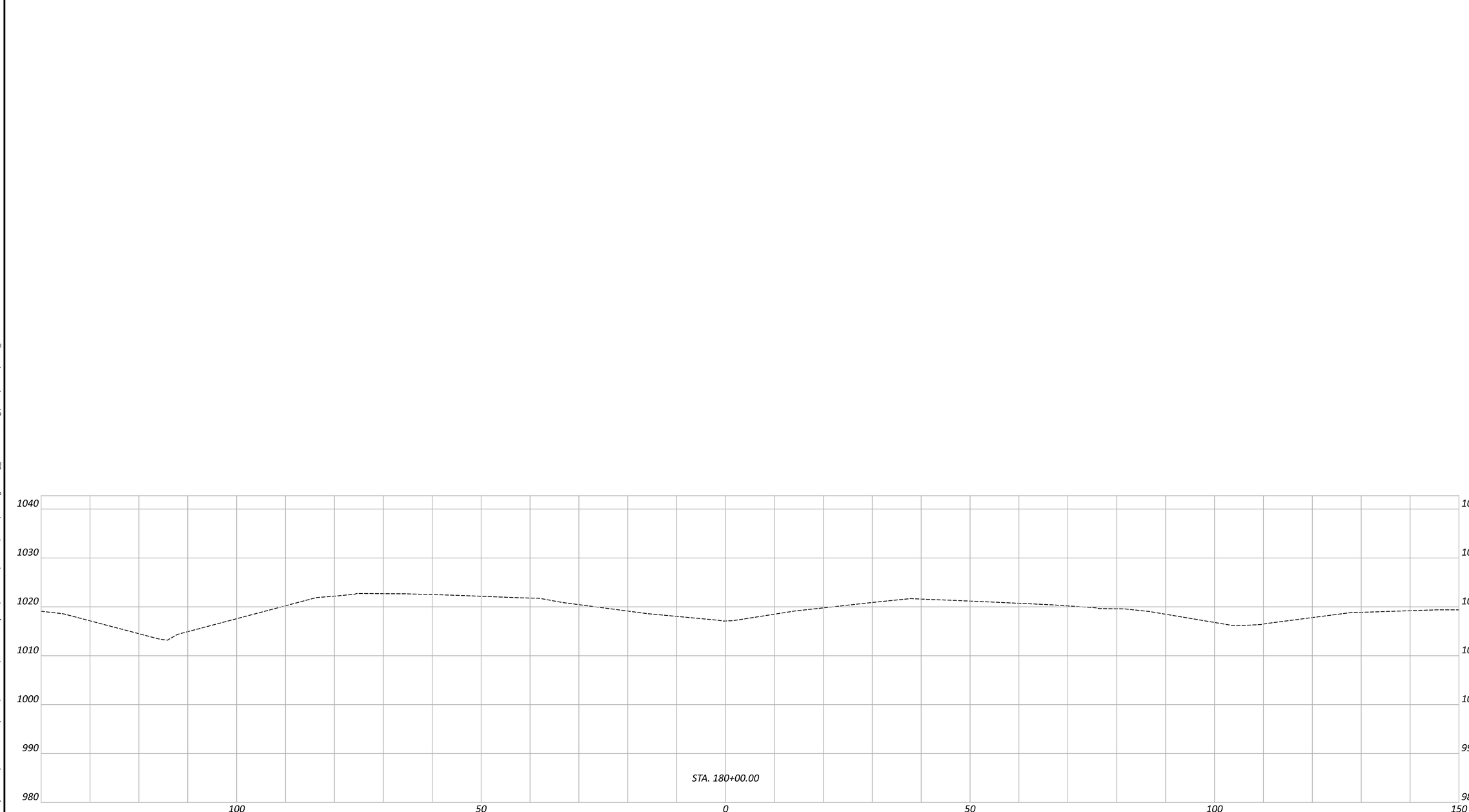


Sheet Totals		
Seeding	Cut	Fill

MAINTENANCE OF TRAFFIC - CROSSOVER DETAIL
PHASE 4 - EASTERN CROSSOVER PLANS

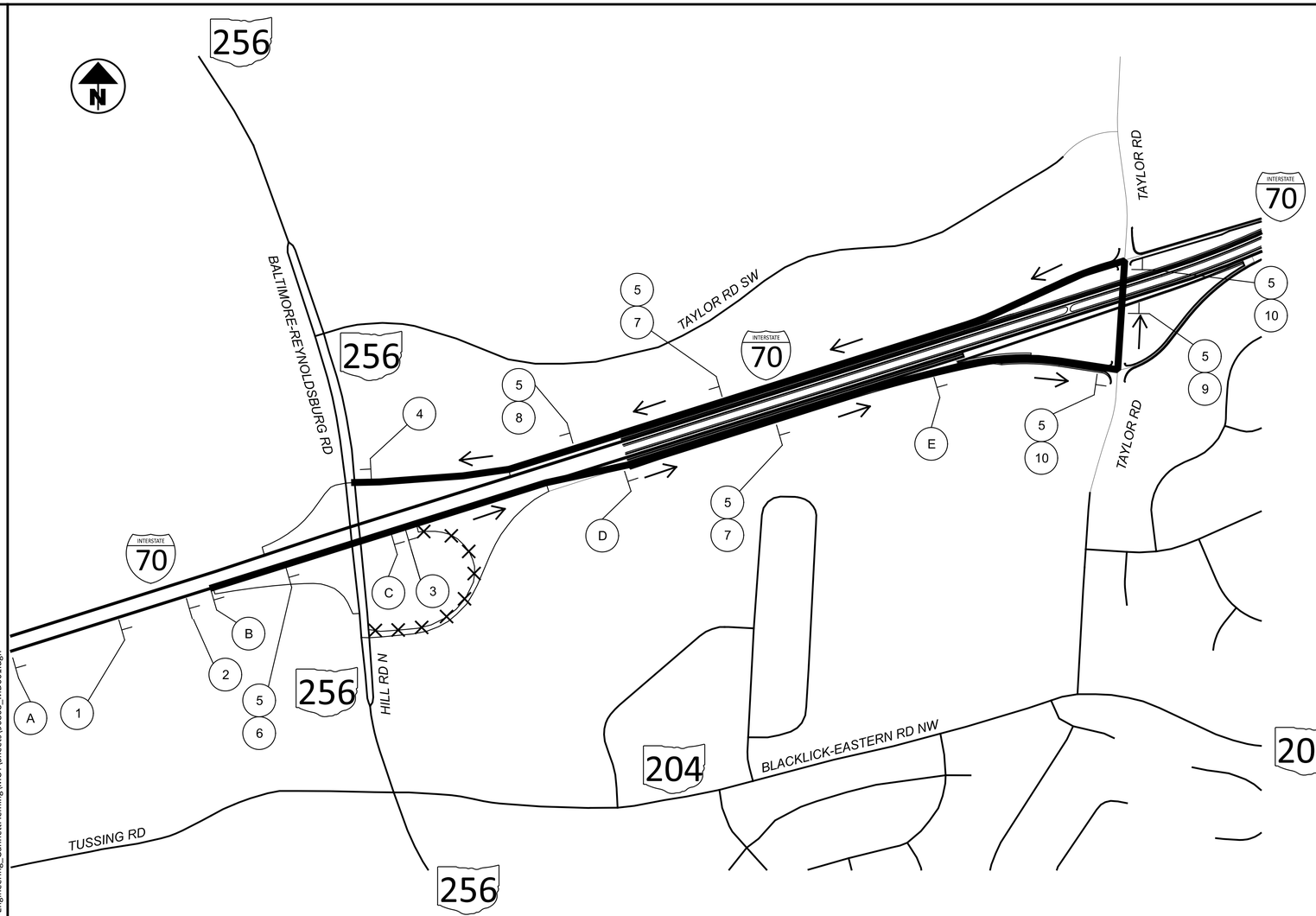
DESIGN AGENCY
GANNETT FLEMING

DESIGNER
JAS

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0255 TOTAL P.1556



1 — RAMP CLOSED AHEAD
W20-3, 48" X 48", TYPE A WARNING LIGHT

2 — DETOUR AHEAD
W20-2, 48" X 48"

3 — FLAGS
TYPE A, TYPE A
ROAD CLOSED
R11-2, 48" X 30", TYPE III BARRICADE PER MT-101.60

4 — END DETOUR
M4-8a, 24" X 18"

5 — DETOUR *M4-8, 30" X 15"*
TO *M4-5, 36" X 18"*
WEST *M3-4, 36" X 18"*
256 *M1-5, 45" X 36"*

6 — *M6-3, 30" X 21"*

7 — *M5-2R, 30" X 21"*

8 — *M6-2R, 30" X 21"*

9 — *M5-1L, 30" X 21"*

10 — *M6-1L, 30" X 21"*

EXIT CLOSED
W20-H15, 96" X 18" PANEL, BLACK ON ORANGE

A
EXIT 112A/B — *COVER 18" X 30"*
256
Pickerington
Reynoldsburg
1 MILE
COVER 17" X 1.5'

B
EXIT 112B
256 WEST
Reynoldsburg
EXIT CLOSED

C
EXIT 112B
256 WEST
Reynoldsburg
EXIT CLOSED

D
M4-8, 30" X 15"
DETOUR
M3-4, 36" X 18" WEST
M1-5, 45" X 36" 256
EXIT 113
204
Blacklick-Eastern Rd
½ MILE
EXIT ONLY

E
M4-8, 30" X 15"
DETOUR
M3-4, 36" X 18" WEST
M1-5, 45" X 36" 256
M6-2R, 30" X 21"
EXIT 113
204
Blacklick-Eastern Rd
EXIT ONLY

NOTES:

1. *IMPLEMENT THIS DETOUR PLAN WHEN RAMP C FROM IR-70 EASTBOUND TO SR-256 WESTBOUND IS CLOSED FOR CONSTRUCTION. CLOSE RAMP PER SCD MT-98.29.*
2. *SIGN SPACING PER OMUTCD TABLE 6C-1 "RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING".*
3. *COVER CONFLICTING SIGNAGE DURING DETOUR ONLY.*
4. *PLACE "EXIT CLOSED" PLACARD DIAGONALLY ON OVERHEAD SIGNS AS SHOWN.*

LEGEND

XXX	*CLOSURE*
▬	*DETOUR ROUTE*
⊢	*SIGN*
←	*DIRECTION OF TRAVEL*

MAINTENANCE OF TRAFFIC DETOUR PLAN PHASE 2
RAMP C IR-70 EASTBOUND EXIT RAMP TO SR-256 WESTBOUND

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:19:15 PM USER: brieder
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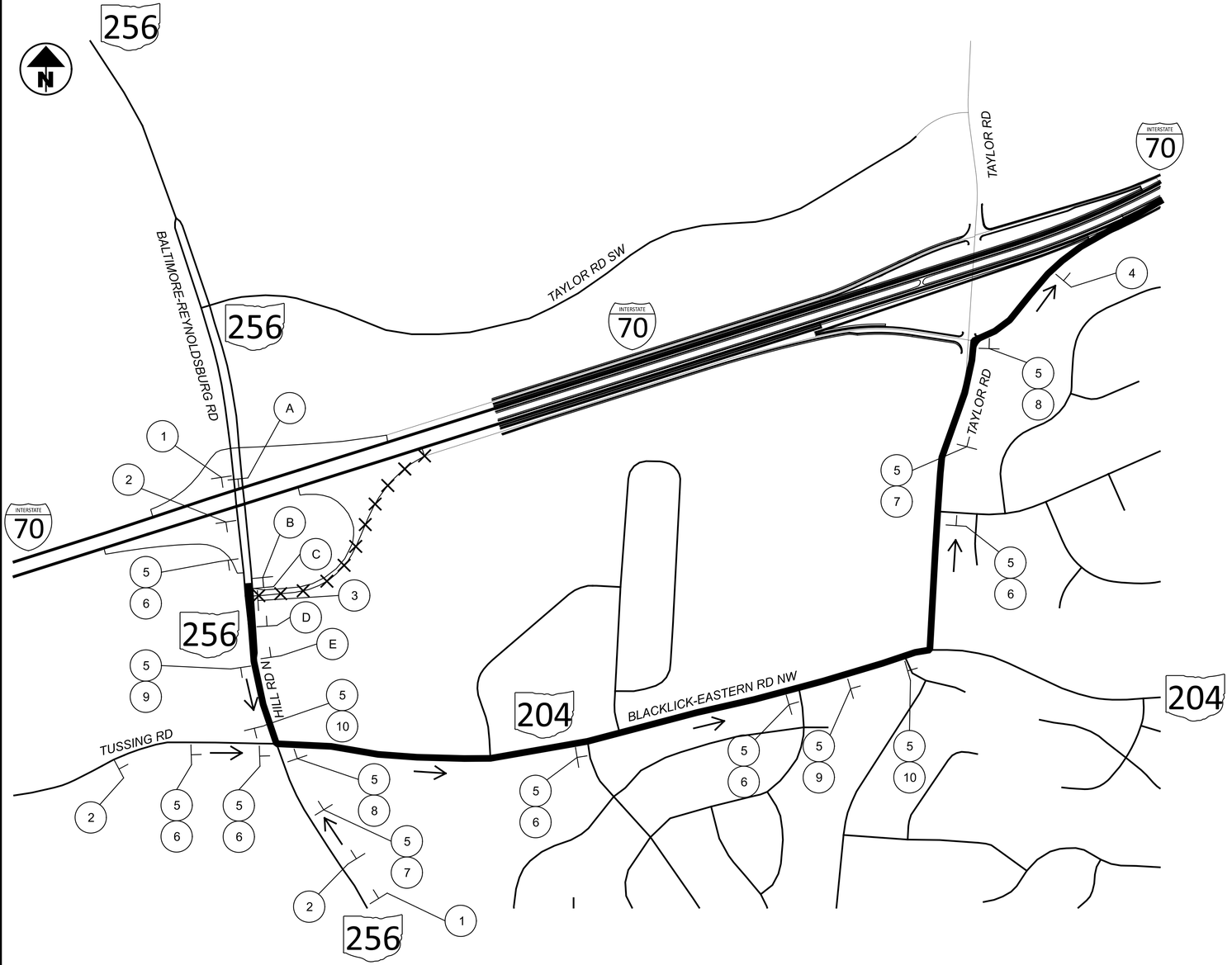
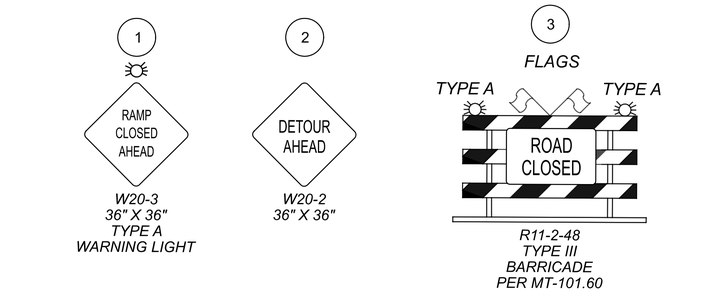
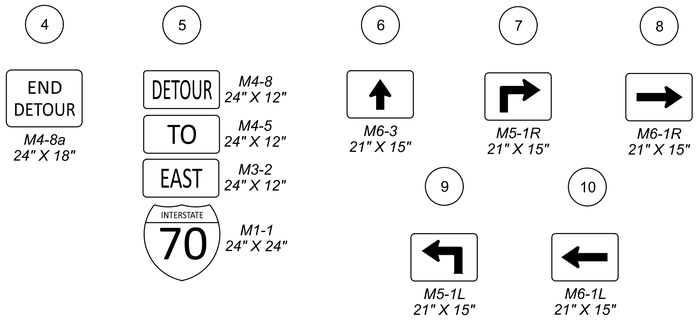
DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0256
TOTAL	P.1556







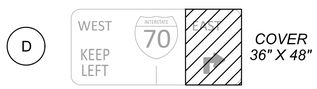
EXIT CLOSED

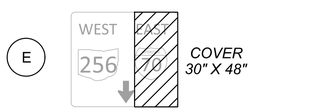
W20-H15
96" X 18" PANEL
BLACK ON ORANGE











NOTES:

1. *IMPLEMENT THIS DETOUR PLAN WHEN RAMP D FROM SR-256 TO IR-70 EASTBOUND IS CLOSED FOR CONSTRUCTION. CLOSE RAMP PER SCD MT-98.30.*
2. *SIGN SPACING PER OMUTCD TABLE 6C-1 "RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING".*
3. *COVER CONFLICTING SIGNAGE DURING DETOUR ONLY.*
4. *PLACE "EXIT CLOSED" PLACARD DIAGONALLY ON OVERHEAD SIGNS AS SHOWN.*

LEGEND

- XXX — *CLOSURE*
- ▬ — *DETOUR ROUTE*
- ⊢ — *SIGN*
- ← — *DIRECTION OF TRAVEL*

MAINTENANCE OF TRAFFIC DETOUR PLAN PHASE 2 & 3
RAMP D SR-256 ENTRANCE RAMP TO IR-70 EASTBOUND

FAI/LIC-IR 70-0.00/0.00

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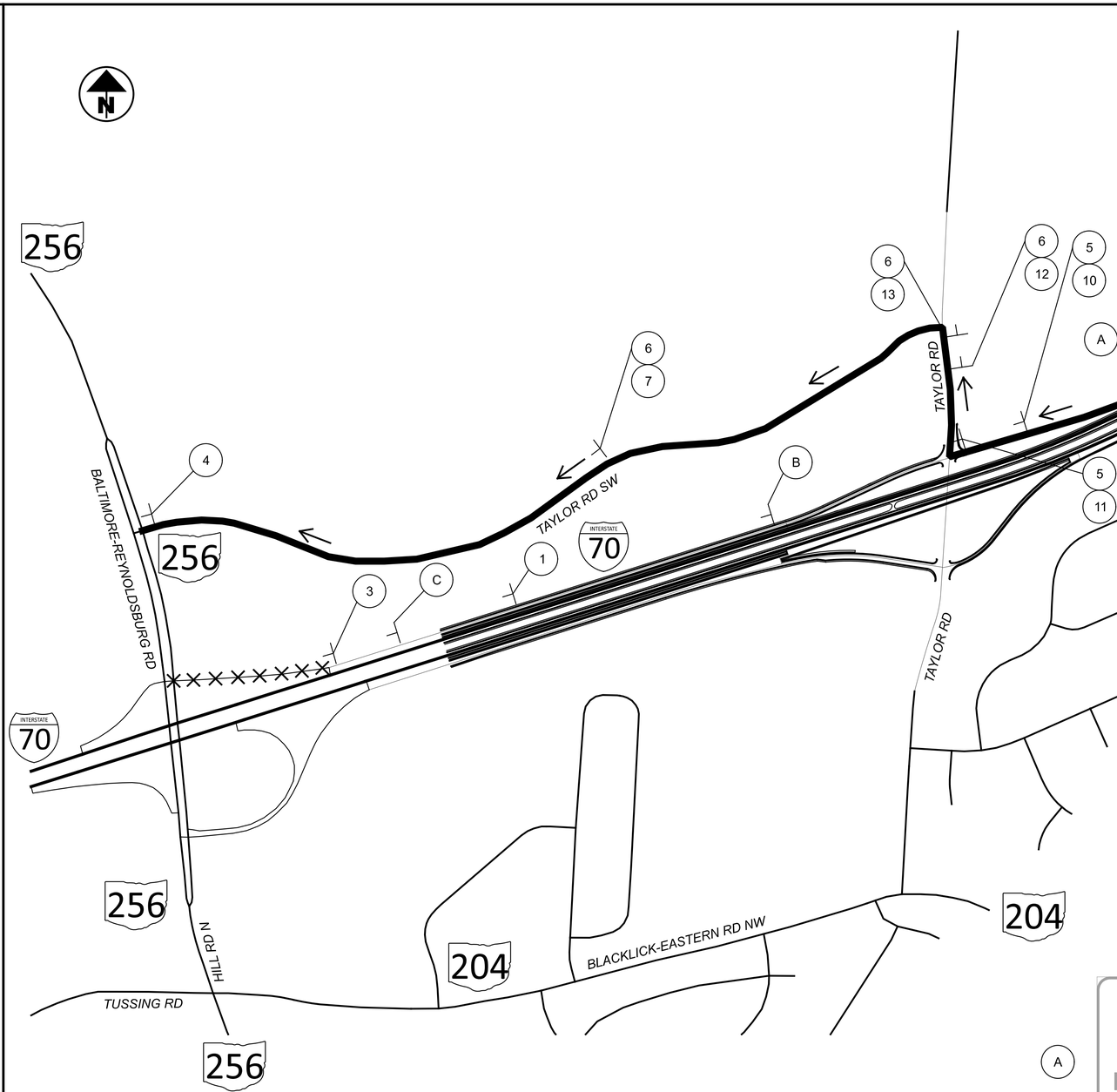
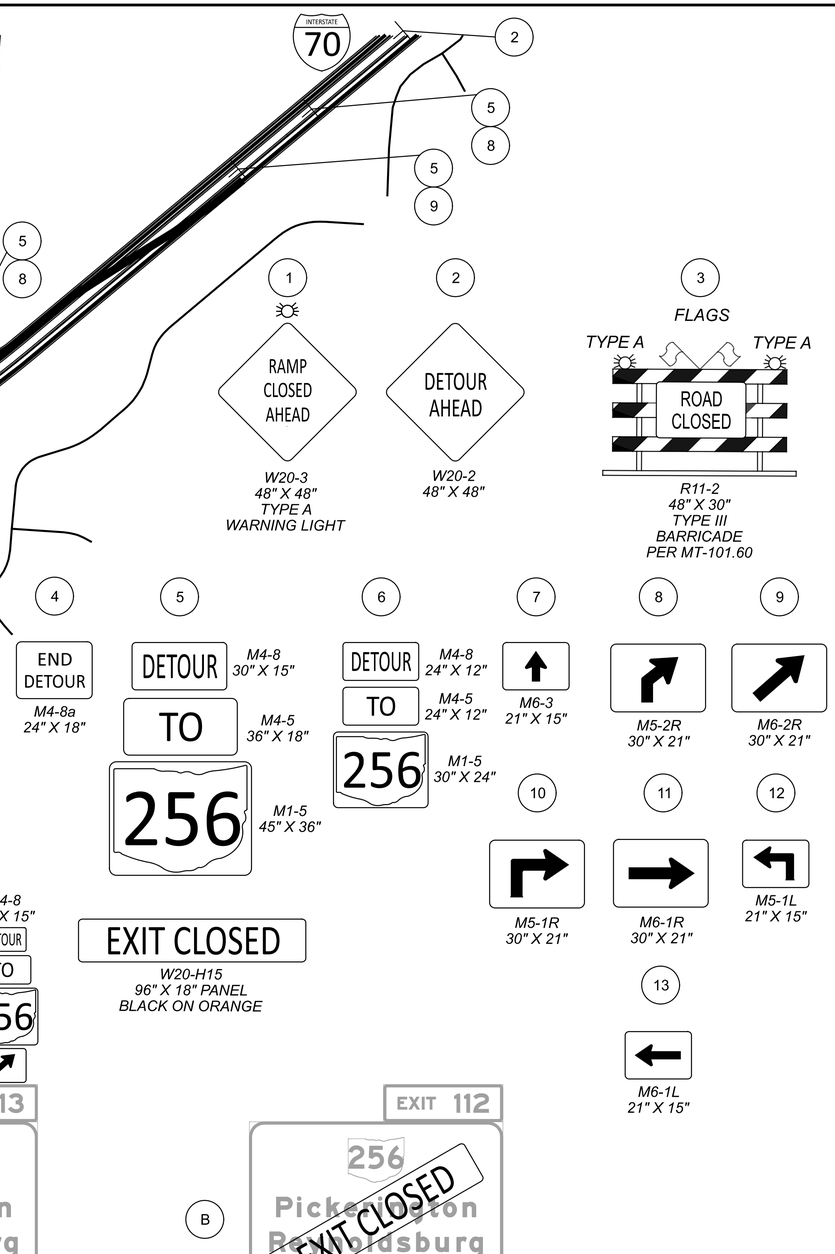
96808_MD002.dgn

DESIGN AGENCY
GANNETT FLEMING

DESIGNER	TCW
REVIEWER	DRJ 04/25/25
PROJECT ID	96808
SHEET	P.0257
TOTAL	P.1556





NOTES:

1. IMPLEMENT THIS DETOUR PLAN WHEN RAMP B FROM IR-70 WESTBOUND TO SR-256 IS CLOSED FOR CONSTRUCTION. CLOSE RAMP PER SCD MT-98.29.
2. SIGN SPACING PER OMUTCD TABLE 6C-1 "RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING".
3. COVER CONFLICTING SIGNAGE DURING DETOUR ONLY.
4. PLACE "CLOSED" PLACARD DIAGONALLY ON OVERHEAD SIGNS AS SHOWN.

LEGEND

XXX	CLOSURE
▬▬	DETOUR ROUTE
⊢	SIGN
←	DIRECTION OF TRAVEL

MAINTENANCE OF TRAFFIC DETOUR PLAN PHASE 4
RAMP B IR-70 WESTBOUND EXIT RAMP TO SR-256

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TCW
REVIEWER DRJ 04/25/25
PROJECT ID 96808
SHEET P.0258 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:19:53 PM USER: brieder
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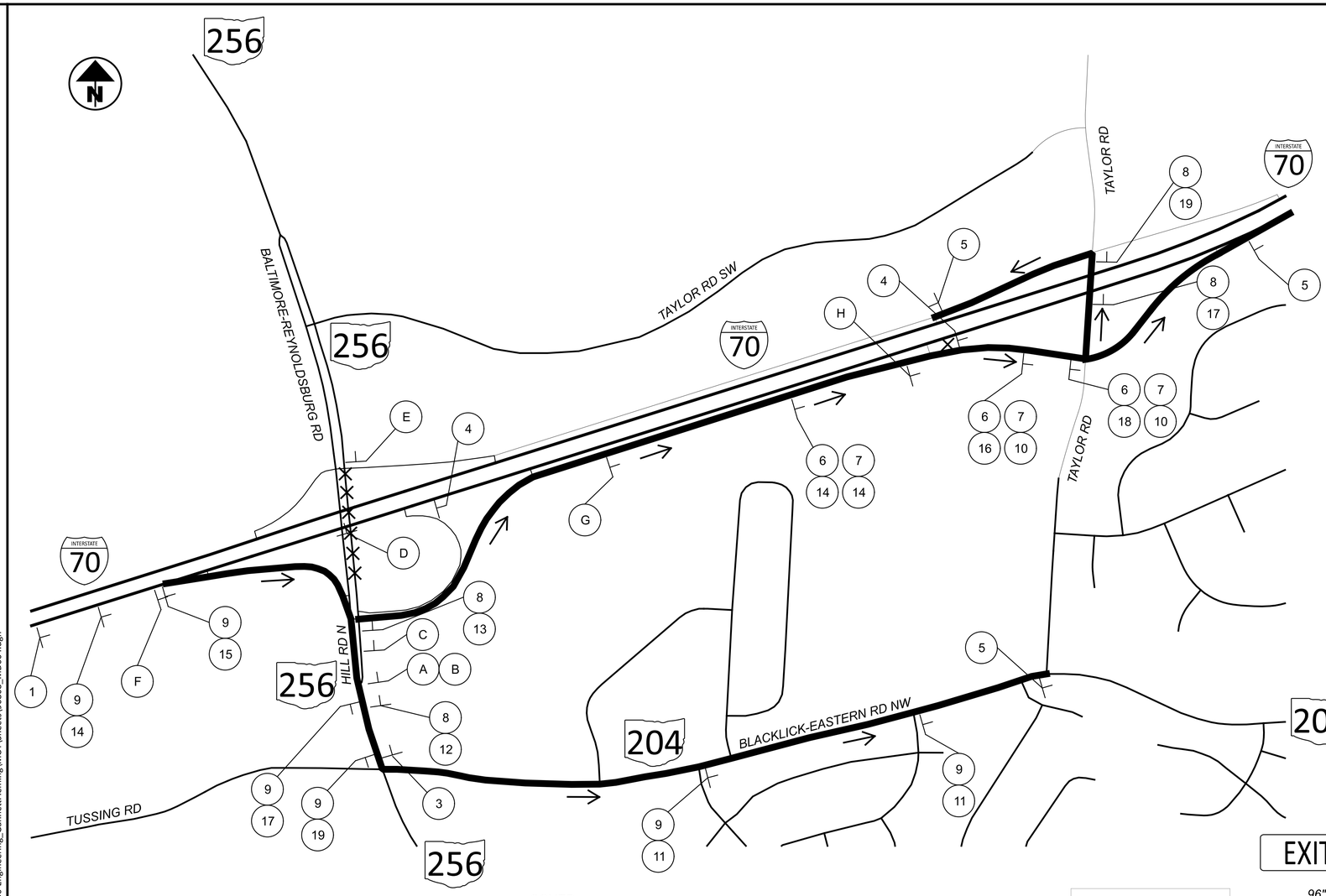

1 — W20-2, 48" X 48": DETOUR AHEAD; Taylor Rd, W16-H8P, 24" X 8"

3 — DETOUR AHEAD, W20-2, 36" X 36"

4 — FLAGS: TYPE A, TYPE A; ROAD CLOSED; R11-2, 48" X 30", TYPE III BARRICADE PER MT-101.60

5 — END DETOUR, M4-8a, 24" X 18"

6 — DETOUR M4-8 30" X 15"; TO M4-5 36" X 18"; WEST M3-4 36" X 18"; INTERSTATE 70 M1-1 48" X 48"

7 — DETOUR M4-8 30" X 15"; TO M4-5 36" X 18"; EAST M3-2 36" X 18"; INTERSTATE 70 M1-1 48" X 48"

8 — DETOUR M4-8 24" X 12"; TO M4-5 24" X 12"; WEST M3-4 24" X 12"; INTERSTATE 70 M1-1 24" X 24"

9 — DETOUR M4-8 24" X 12"; TO M4-5 24" X 12"; Taylor Rd W16-H8P 24" X 8"

10 — M6-3, 30" X 21"

11 — M6-3, 21" X 15"

12 — M5-1R, 21" X 15"

13 — M6-1R, 21" X 15"

14 — M5-2R, 30" X 21"

15 — EXIT CLOSED, W20-H15, 96" X 18" PANEL, BLACK ON ORANGE

16 — M6-2R, 30" X 21"

17 — M5-1L, 30" X 21"

18 — M6-1L, 30" X 21"

19 — M6-1L, 21" X 15"

A — WEST 70, COVER 48" X 60"

B — WEST 70, COVER 48" X 60"

C — COVER 36" X 48"; WEST 70 EAST, KEEP LEFT

D — INTERSTATE 70 WEST, EXIT CLOSED, Columbus

E — INTERSTATE 70 WEST, EXIT CLOSED, Columbus

F — EXIT 113, 204, Blacklick-Eastern Rd, EXIT CLOSED, 1 MILE

G — M4-8 30" X 15" DETOUR; M3-4 36" X 18" WEST; M1-1 48" X 48" INTERSTATE 70; EXIT 113, 204, Blacklick-Eastern Rd, EXIT CLOSED, ½ MILE, EXIT ↓ ONLY

H — M4-8 30" X 15" DETOUR; M3-4 36" X 18" WEST; M1-1 48" X 48" INTERSTATE 70; M4-8 30" X 15" DETOUR; M3-2 36" X 18" EAST; M1-1 48" X 48" INTERSTATE 70; M6-2R 30" X 21"; M6-2R 30" X 21"; EXIT 113, 204, Blacklick-Eastern Rd, EXIT CLOSED, EXIT ONLY

LEGEND

- XXX — CLOSURE
- DETOUR ROUTE #1 (CLOSURE OF SR-256 WB DL TURN LANES TO RAMP A)
- DETOUR ROUTE #2 (NO EXIT FROM IR-70 EB CD/MAINLINE TO TAYLOR RD)
- SIGN
- DIRECTION OF TRAVEL

NOTES:

1. IMPLEMENT THIS DETOUR PLAN WHEN THE SR-256 WESTBOUND DOUBLE LEFT TURN LANES TO RAMP A FROM SR-256 TO IR-70 WESTBOUND ARE CLOSED FOR CONSTRUCTION. CLOSE LEFT TURN LANES PER SCD MT-98.30.
2. SIGN SPACING PER OMUTCD TABLE 6C-1 "RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING".
3. COVER CONFLICTING SIGNAGE DURING DETOUR ONLY.
4. PLACE "EXIT CLOSED" PLACARD DIAGONALLY ON OVERHEAD SIGNS AS SHOWN.
5. DETOUR ROUTE #2 WILL BE IMPLEMENTED AT THE SAME TIME AS DETOUR ROUTE #1.

MAINTENANCE OF TRAFFIC DETOUR PLAN PHASE 4

SR-256 WESTBOUND DOUBLE LEFT TURN LANES TO RAMP A SR-256 EXIT RAMP TO IR-70 WESTBOUND

DESIGN AGENCY: GANNETT FLEMING

DESIGNER: TCW

REVIEWER: DRJ 04/25/25

PROJECT ID: 96808

SHEET: P.0259 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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NOTES:

1. IMPLEMENT THIS CLOSURE WHEN IR-70 BRIDGE OVER BLACKLICK CREEK IS UNDER CONSTRUCTION. CLOSE TRAIL PER SCD MT-110.10.

MAINTENANCE OF TRAFFIC DETOUR PLAN
BLACKLICK TRAIL CLOSURE

DESIGN AGENCY: GANNETT FLEMING

DESIGNER: TCW

REVIEWER: DRJ 04/25/25

PROJECT ID: 96808

SHEET: P.0260 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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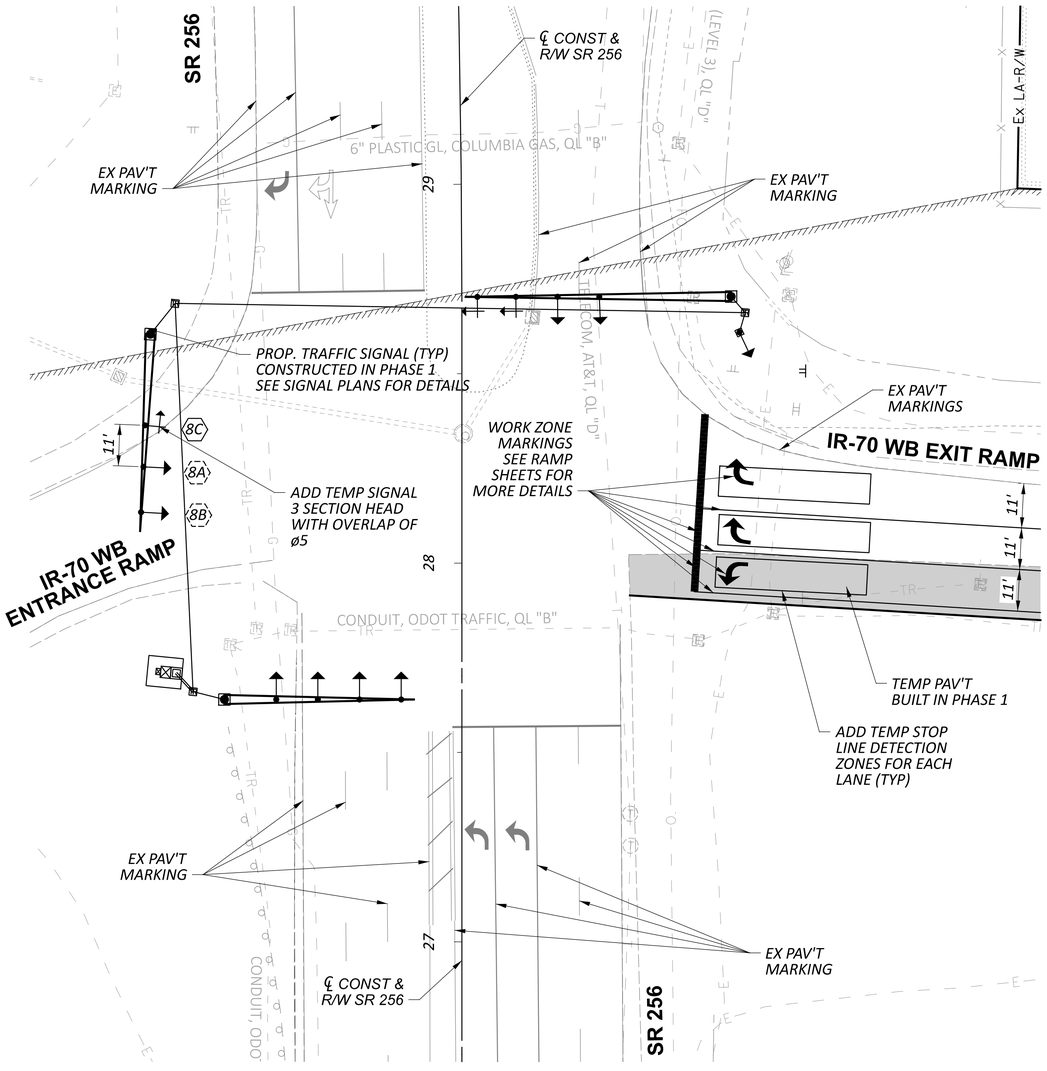

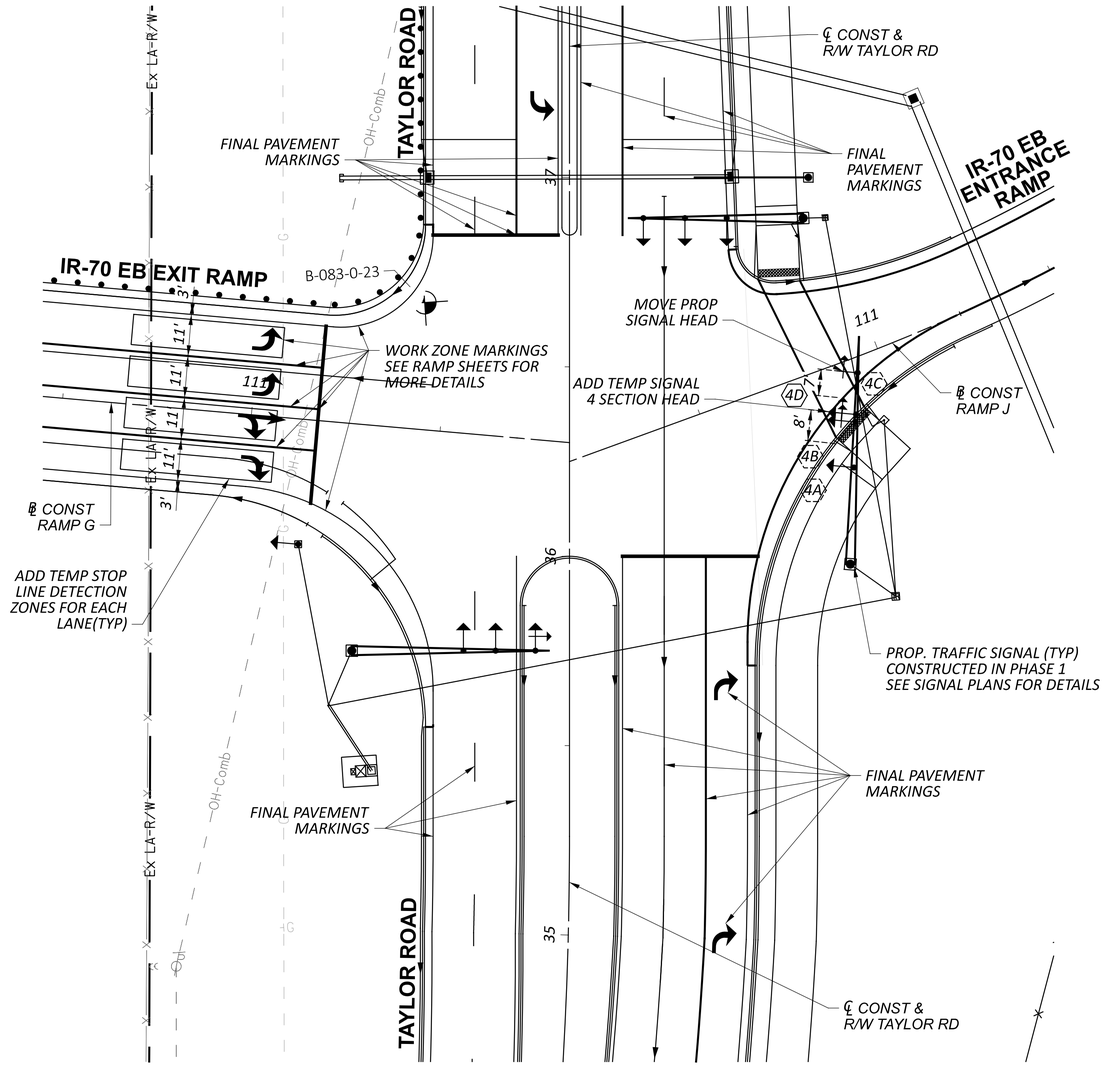

SR 256 / IR-70 WB EXIT RAMP
PHASE 2 TEMPORARY SIGNAL

1. FOR MOT SIGNAL TIMING AND PHASING, SEE SHEET P.0265
2. FOR SIGNAL PLANS, SEE SHEETS P.1214 TO P.1217
3. FOR MOT PLANS, SEE SHEETS P.0134 & P.0140
4. THE CONTRACTOR SHALL PLACE TEMPORARY DETECTION ZONES FOR THE TEMPORARY LANES.

TAYLOR ROAD / IR-70 EB EXIT RAMP
PHASES 2 & 4 TEMPORARY SIGNAL

1. FOR MOT SIGNAL TIMING AND PHASING, SEE SHEETS P.0262 & P.0271
2. FOR SIGNAL PLANS, SEE SHEETS P.1222 TO P.1225
3. FOR MOT PLANS, SEE SHEET P.0166
4. THE CONTRACTOR SHALL PLACE TEMPORARY DETECTION ZONES FOR THE TEMPORARY LANES.

MAINTENANCE OF TRAFFIC
TEMPORARY TRAFFIC SIGNAL PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TJW
REVIEWER DRJ 4-18-25
PROJECT ID 96808
SHEET P.0261 TOTAL P.1556

FAI/LIC-IR-70-0.00/0.00

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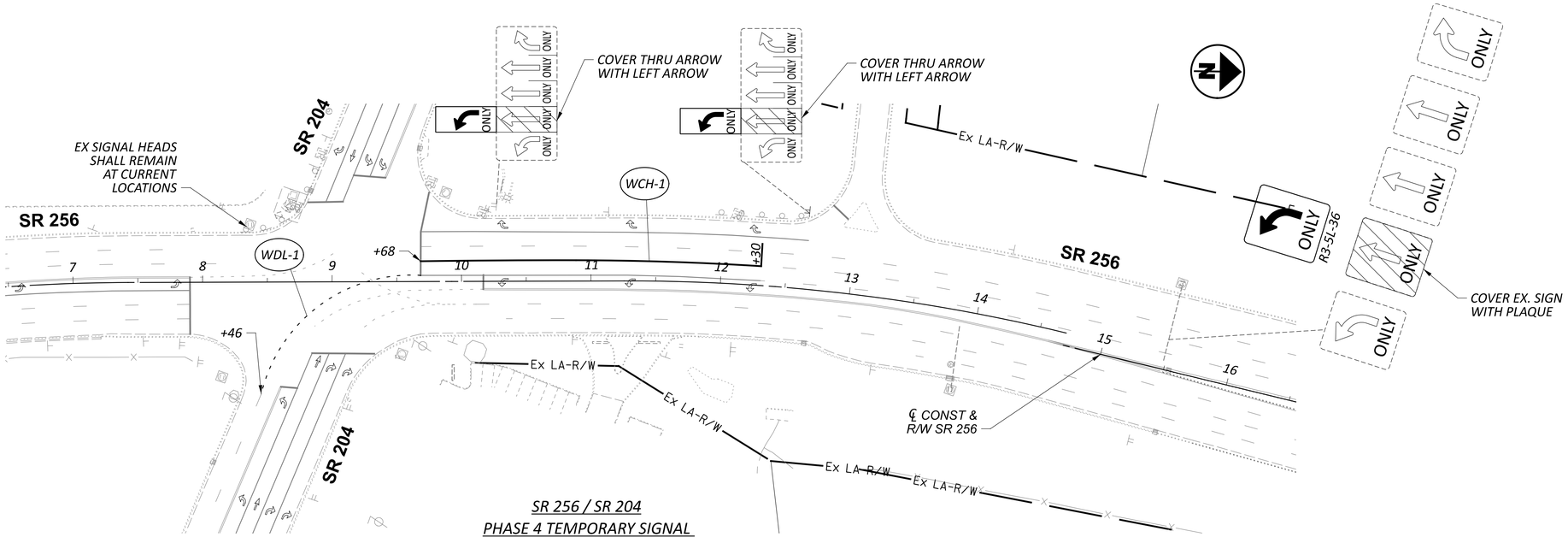
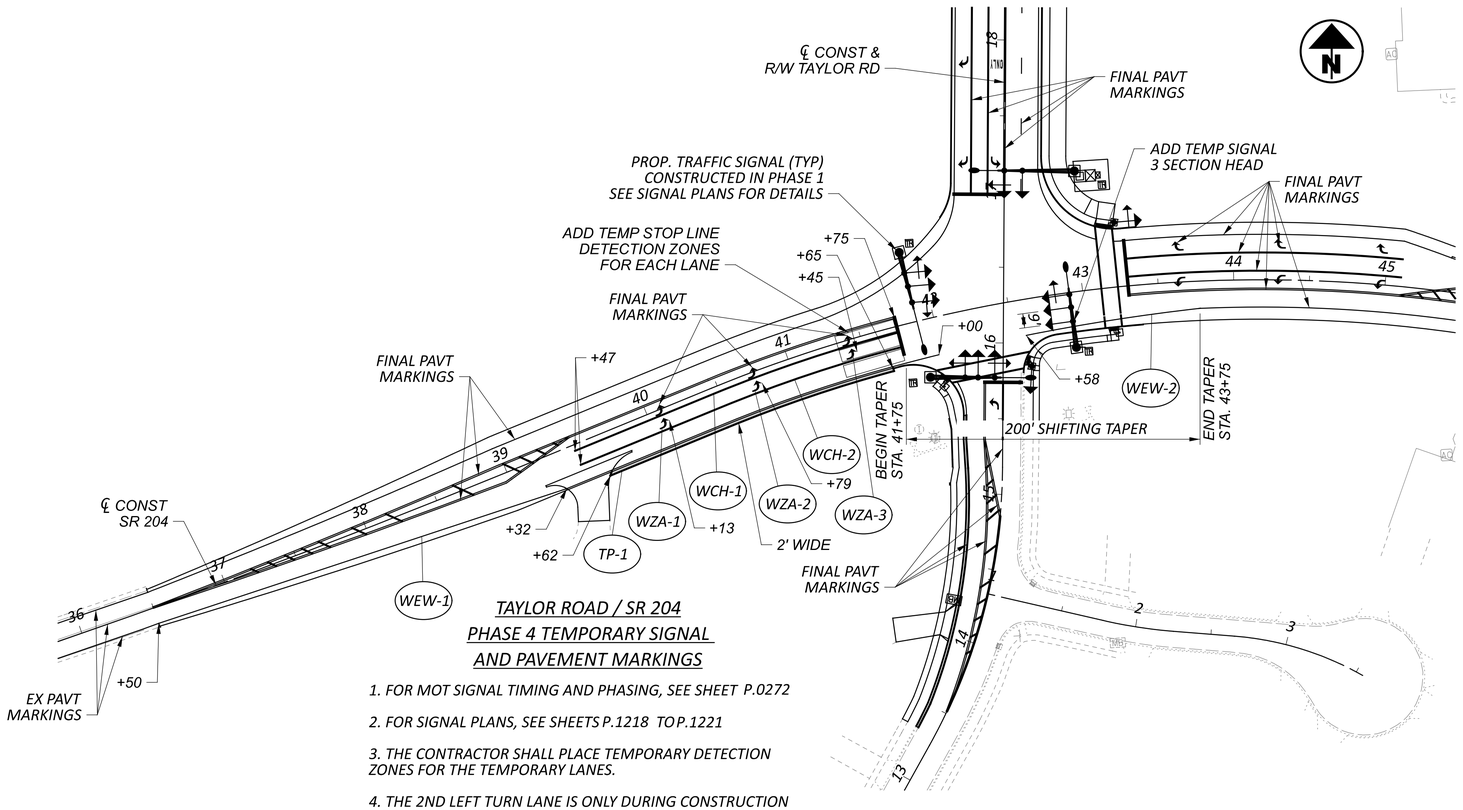


SR 256 / SR 204
PHASE 4 TEMPORARY SIGNAL
AND PAVEMENT MARKINGS

1. FOR MOT SIGNAL TIMING AND PHASING, SEE SHEET P.0269
2. THE 2ND LEFT TURN LANE IS ONLY DURING CONSTRUCTION OF THE IR 70 WESTBOUND ENTRANCE RAMP.



TAYLOR ROAD / SR 204
PHASE 4 TEMPORARY SIGNAL
AND PAVEMENT MARKINGS

1. FOR MOT SIGNAL TIMING AND PHASING, SEE SHEET P.0272
2. FOR SIGNAL PLANS, SEE SHEETS P.1218 TO P.1221
3. THE CONTRACTOR SHALL PLACE TEMPORARY DETECTION ZONES FOR THE TEMPORARY LANES.
4. THE 2ND LEFT TURN LANE IS ONLY DURING CONSTRUCTION OF THE IR 70 WESTBOUND ENTRANCE RAMP.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL PLANS

DESIGN AGENCY
GANNETT FLEMING

DESIGNER TJW
REVIEWER DRJ 4-18-25
PROJECT ID 96808
SHEET P.0262 TOTAL P.1556

FAI/LIC-IR-70-0.00/0.00

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TAYLOR RD / SR 204

PHASE 1A

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: TAYLOR ROAD / SR 204
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP		DUAL ENTRY: YES	PHASES:			4 & 8		
		REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH	OVERLAP		A	B	C	D	
TIME FOR: FLASH , ALL RED (SEC.):	9, 6							
FIRST PHASE(S):	Ø4 & Ø8							
COLOR DISPLAYED:	GREEN	PHASES		-	-	-	-	

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION				NB	-	SB		SB	-	SB
MINIMUM GREEN (INITIAL)		(SEC.)		10	-	20		10	-	20
PASSAGE TIME (PRESET GAP)		(SEC.)		3.0	-	3.0		3.0	-	3.0
MAXIMUM GREEN I		(SEC.)		24	-	54		24	-	54
YELLOW CHANGE		(SEC.)		4.7	-	5.1		4.7	-	5.1
ALL RED CLEARANCE		(SEC.)		1.0	-	1.0		1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	-	-	YES	-	-	-	YES
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

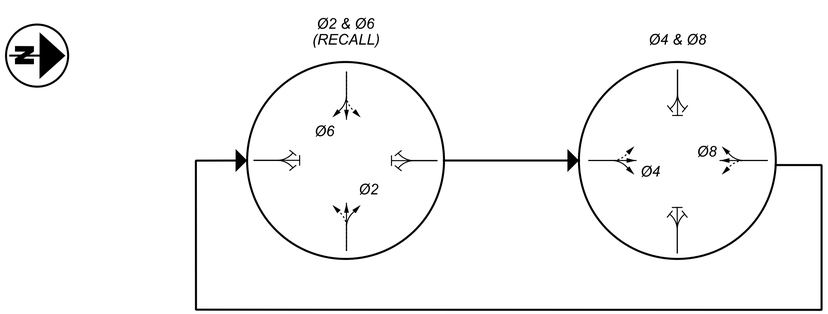
2 PM - 7 PM

INTERSECTION: TAYLOR ROAD / SR 204
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP		DUAL ENTRY: YES	PHASES:			4 & 8		
		REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH	OVERLAP		A	B	C	D	
TIME FOR: FLASH , ALL RED (SEC.):	9, 6							
FIRST PHASE(S):	Ø4 & Ø8							
COLOR DISPLAYED:	GREEN	PHASES		-	-	-	-	

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION				NB	-	SB		SB	-	SB
MINIMUM GREEN (INITIAL)		(SEC.)		10	-	20		10	-	20
PASSAGE TIME (PRESET GAP)		(SEC.)		3.0	-	3.0		3.0	-	3.0
MAXIMUM GREEN I		(SEC.)		46	-	42		46	-	42
YELLOW CHANGE		(SEC.)		4.7	-	5.1		4.7	-	5.1
ALL RED CLEARANCE		(SEC.)		1.0	-	1.0		1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	-	-	YES	-	-	-	YES
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



PHASE 1B

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: TAYLOR ROAD / SR 204
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP		DUAL ENTRY: YES	PHASES:			4 & 8		
		REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH	OVERLAP		A	B	C	D	
TIME FOR: FLASH , ALL RED (SEC.):	9, 6							
FIRST PHASE(S):	Ø4 & Ø8							
COLOR DISPLAYED:	GREEN	PHASES		-	-	-	-	

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION				NB	-	SB		SB	-	SB
MINIMUM GREEN (INITIAL)		(SEC.)		10	-	20		10	-	20
PASSAGE TIME (PRESET GAP)		(SEC.)		3.0	-	3.0		3.0	-	3.0
MAXIMUM GREEN I		(SEC.)		24	-	54		24	-	54
YELLOW CHANGE		(SEC.)		4.7	-	5.1		4.7	-	5.1
ALL RED CLEARANCE		(SEC.)		1.0	-	1.0		1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	-	-	YES	-	-	-	YES
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

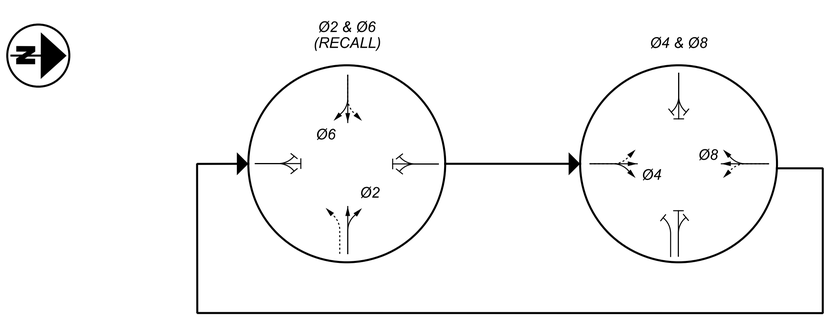
2 PM - 7 PM

INTERSECTION: TAYLOR ROAD / SR 204
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP		DUAL ENTRY: YES	PHASES:			4 & 8		
		REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH	OVERLAP		A	B	C	D	
TIME FOR: FLASH , ALL RED (SEC.):	9, 6							
FIRST PHASE(S):	Ø4 & Ø8							
COLOR DISPLAYED:	GREEN	PHASES		-	-	-	-	

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION				NB	-	SB		SB	-	SB
MINIMUM GREEN (INITIAL)		(SEC.)		10	-	20		10	-	20
PASSAGE TIME (PRESET GAP)		(SEC.)		3.0	-	3.0		3.0	-	3.0
MAXIMUM GREEN I		(SEC.)		46	-	42		46	-	42
YELLOW CHANGE		(SEC.)		4.7	-	5.1		4.7	-	5.1
ALL RED CLEARANCE		(SEC.)		1.0	-	1.0		1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	-	-	YES	-	-	-	YES
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER CJM
REVIEWER DRJ 4-15-25
PROJECT ID 96808
SHEET P.0263 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:10 PM USER: brieder
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PALMER ROAD
SIGNALIZED LANE CLOSURE

TEMPORARY SIGNAL TIMING CHART

PHASE 1A

INTERSECTION: PALMER ROAD MAINTAINING AGENCY: ODOT					
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.			
INTERSECTION MOVEMENT (PHASE)		1	2	3	4
DIRECTION		WB	EB	NB	SB
MINIMUM GREEN (INITIAL)	(SEC.)	10	10	7	7
PASSAGE TIME	(SEC.)	3.0	3.0	3.0	-
MAXIMUM GREEN I	(SEC.)	41	41	10	-
YELLOW CHANGE	(SEC.)	2.0	2.0	2.0	2.0
ALL RED CLEARANCE	(SEC.)	20.0	20.0	12.0	18.0
MAX CYCLE LENGTH	(SEC.)	170.0			

TEMPORARY SIGNAL TIMING CHART

PHASE 2A

INTERSECTION: PALMER ROAD MAINTAINING AGENCY: ODOT					
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.			
INTERSECTION MOVEMENT (PHASE)		1	2	3	4
DIRECTION		WB	EB	NB	SB
MINIMUM GREEN (INITIAL)	(SEC.)	10	10	7	7
PASSAGE TIME	(SEC.)	3.0	3.0	3.0	-
MAXIMUM GREEN I	(SEC.)	39	39	10	8
YELLOW CHANGE	(SEC.)	2.0	2.0	2.0	2.0
ALL RED CLEARANCE	(SEC.)	12.0	12.0	11.0	11.0
MAX CYCLE LENGTH	(SEC.)	150.0			

TEMPORARY SIGNAL TIMING CHART

PHASE 4 STAGE 1

INTERSECTION: PALMER ROAD MAINTAINING AGENCY: ODOT					
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.			
INTERSECTION MOVEMENT (PHASE)		1	2	3	4
DIRECTION		WB	EB	NB	SB
MINIMUM GREEN (INITIAL)	(SEC.)	10	10	7	7
PASSAGE TIME	(SEC.)	3.0	3.0	3.0	-
MAXIMUM GREEN I	(SEC.)	39	39	10	8
YELLOW CHANGE	(SEC.)	2.0	2.0	2.0	2.0
ALL RED CLEARANCE	(SEC.)	12.0	12.0	11.0	11.0
MAX CYCLE LENGTH	(SEC.)	150.0			

PHASE 1B

INTERSECTION: PALMER ROAD MAINTAINING AGENCY: ODOT					
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.			
INTERSECTION MOVEMENT (PHASE)		1	2	3	4
DIRECTION		WB	EB	NB	SB
MINIMUM GREEN (INITIAL)	(SEC.)	10	10	-	7
PASSAGE TIME	(SEC.)	3.0	3.0	-	-
MAXIMUM GREEN I	(SEC.)	39	39	-	8
YELLOW CHANGE	(SEC.)	2.0	2.0	-	2.0
ALL RED CLEARANCE	(SEC.)	20.0	20.0	-	18.0
MAX CYCLE LENGTH	(SEC.)	150.0			

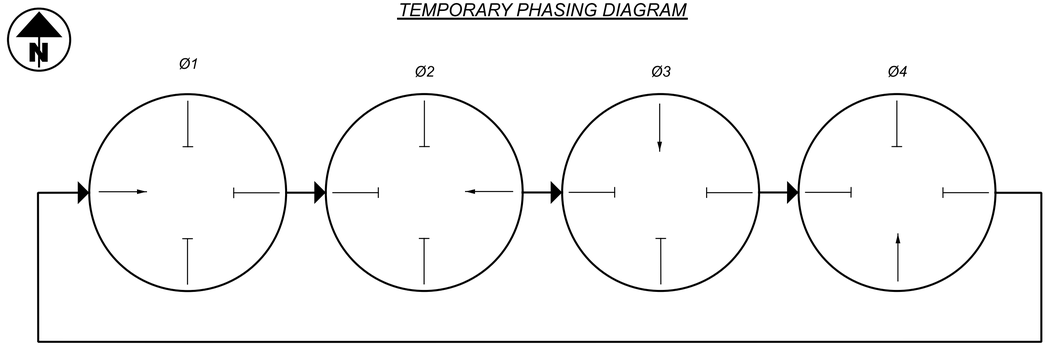
PHASE 2B

INTERSECTION: PALMER ROAD MAINTAINING AGENCY: ODOT					
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.			
INTERSECTION MOVEMENT (PHASE)		1	2	3	4
DIRECTION		WB	EB	NB	SB
MINIMUM GREEN (INITIAL)	(SEC.)	10	10	7	7
PASSAGE TIME	(SEC.)	3.0	3.0	3.0	-
MAXIMUM GREEN I	(SEC.)	39	39	10	8
YELLOW CHANGE	(SEC.)	2.0	2.0	2.0	2.0
ALL RED CLEARANCE	(SEC.)	12.0	12.0	11.0	11.0
MAX CYCLE LENGTH	(SEC.)	150.0			

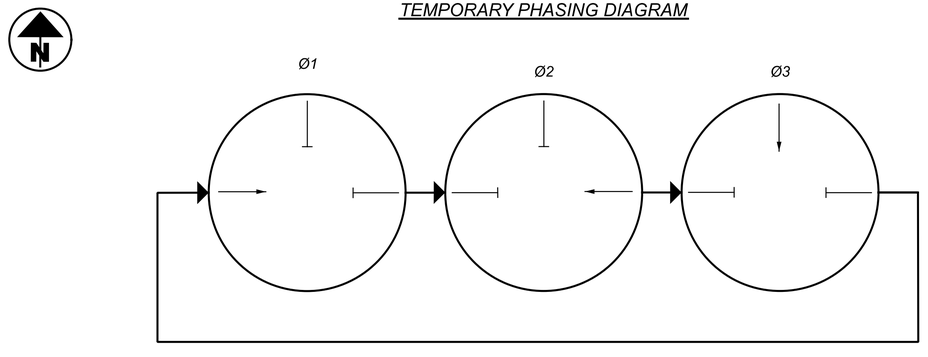
PHASE 4 STAGE 2

INTERSECTION: PALMER ROAD MAINTAINING AGENCY: ODOT					
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.			
INTERSECTION MOVEMENT (PHASE)		1	2	3	4
DIRECTION		WB	EB	NB	SB
MINIMUM GREEN (INITIAL)	(SEC.)	10	10	7	7
PASSAGE TIME	(SEC.)	3.0	3.0	3.0	-
MAXIMUM GREEN I	(SEC.)	39	39	10	8
YELLOW CHANGE	(SEC.)	2.0	2.0	2.0	2.0
ALL RED CLEARANCE	(SEC.)	12.0	12.0	11.0	11.0
MAX CYCLE LENGTH	(SEC.)	150.0			

TEMPORARY PHASING DIAGRAM



TEMPORARY PHASING DIAGRAM



MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.0264 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:11 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

PHASE 2

SR 256 / IR 70 WB RAMPS
DURING IR 70 EB EXIT RAMP CONSTRUCTION ONLY

TEMPORARY SIGNAL TIMING CHART

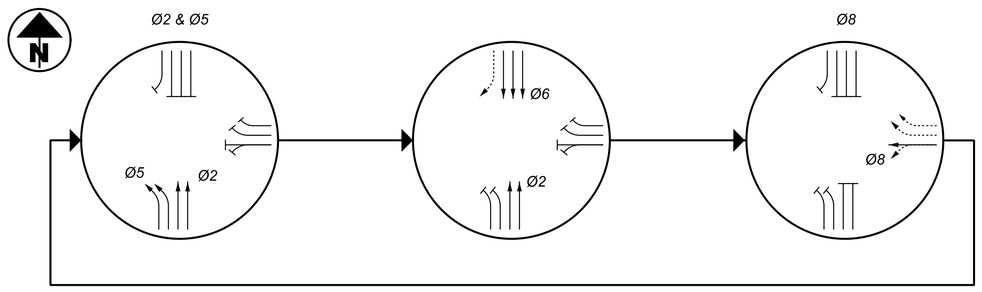
ALL HOURS EXCEPT BELOW

INTERSECTION: SR 256 / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES				-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION				NB	-	-	NB LT	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)		20	-	-	10	20	-	10
PASSAGE TIME (PRESET GAP)		(SEC.)		3.0	-	-	3.0	3.0	-	3.0
MAXIMUM GREEN I		(SEC.)		34	-	-	47	34	-	24
YELLOW CHANGE		(SEC.)		4.6	-	-	4.3	4.6	-	3.5
ALL RED CLEARANCE		(SEC.)		1.0	-	-	1.0	1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 256 / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES				-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)				2	3	4	5	6	7	8
DIRECTION				NB	-	-	NB LT	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)		20	-	-	10	20	-	10
PASSAGE TIME (PRESET GAP)		(SEC.)		3.0	-	-	3.0	3.0	-	3.0
MAXIMUM GREEN I		(SEC.)		35	-	-	45	35	-	25
YELLOW CHANGE		(SEC.)		4.6	-	-	4.3	4.6	-	3.5
ALL RED CLEARANCE		(SEC.)		1.0	-	-	1.0	1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)		-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



PHASES 2 & 3

SR 256 / SR 204
DURING IR 70 EB ENTRANCE RAMP CONSTRUCTION ONLY

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: SR 256 / SR 204									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			Ø5	Ø3	Ø7	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	28	42	12	44	24	46	34	22
YELLOW CHANGE		(SEC.)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLEARANCE		(SEC.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 256 / SR 204									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			Ø5	Ø3	Ø7	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	26	44	7	49	7	63	34	22
YELLOW CHANGE		(SEC.)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLEARANCE		(SEC.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM

SEE NEXT SHEET

NOTE:
SR 256 & IR-70 EB RAMP SIGNAL TIMING AND PHASING SHALL MATCH THE PROPOSED SIGNAL PLANS DURING PHASES 2 AND 3.

MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER CJM
REVIEWER DRJ 04-15-25
PROJECT ID 96808
SHEET P.0265 TOTAL P.1556

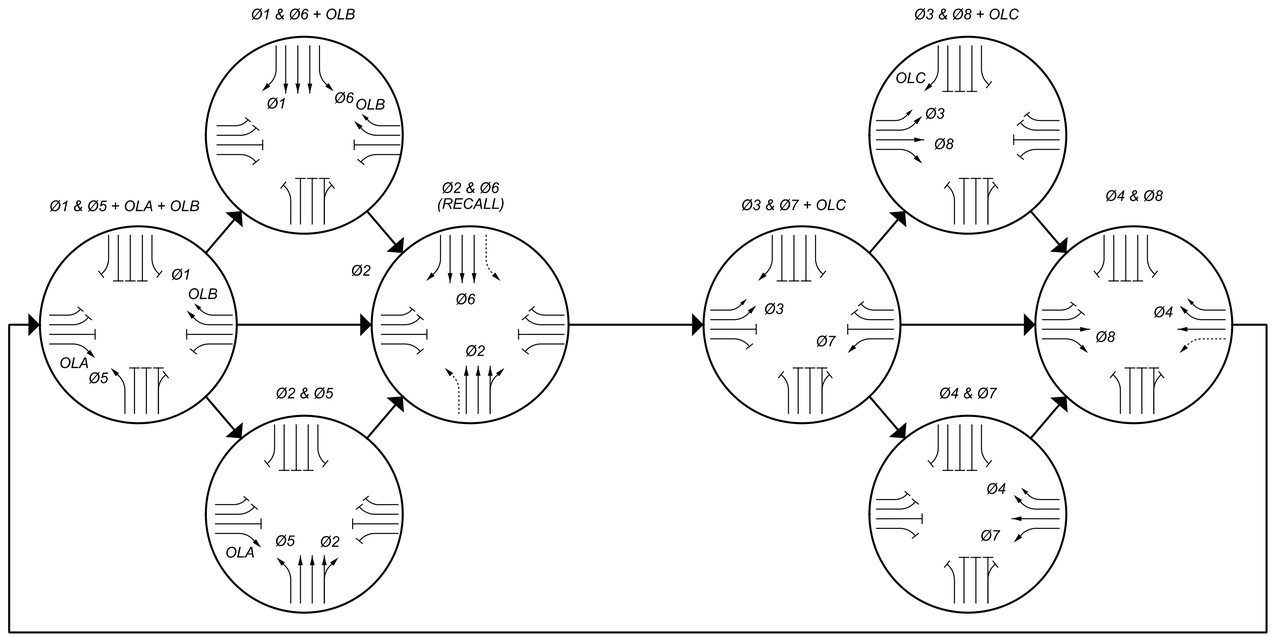
FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:12 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

PHASES 2 & 3

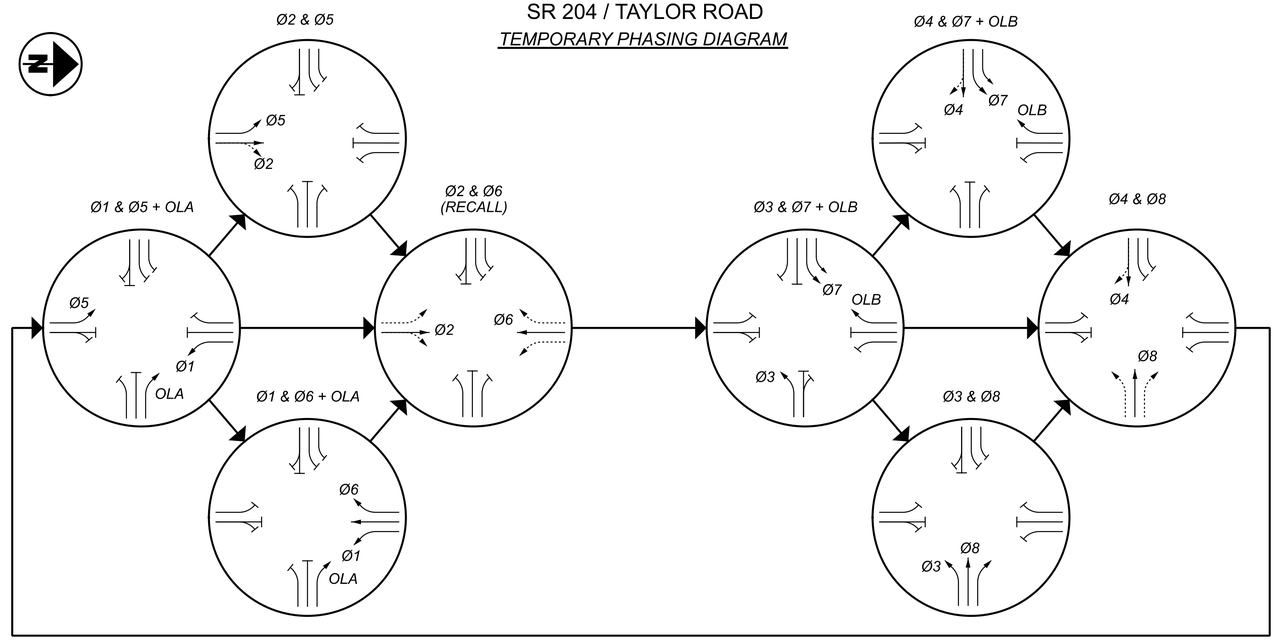
SR 256 / SR 204

TEMPORARY PHASING DIAGRAM



SR 204 / TAYLOR ROAD

TEMPORARY PHASING DIAGRAM



TAYLOR ROAD / SR 204
DURING IR 70 EB ENTRANCE RAMP CONSTRUCTION ONLY

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION:	*SR 204 / TAYLOR ROAD*									
MAINTAINING AGENCY:	*OHIO DEPARTMENT OF TRANSPORTATION*									
START UP		*DUAL ENTRY:*	*YES*	*PHASES:*				*2 & 6*		
		REST IN RED:		*RING 1*	-			*RING 2*	-	
START IN:	*ALL-RED FLASH*	*OVERLAP*				*A*	*B*	*C*	*D*	
TIME FOR: FLASH , ALL RED (SEC.):	*9, 6*									
FIRST PHASE(S):	*Ø2 & Ø6*	*PHASES*				*Ø5*	*Ø7*	-	-	
COLOR DISPLAYED:	*GREEN*									
INTERVAL OR FEATURE					*CONTROLLER MOVEMENT NO.*					
INTERSECTION MOVEMENT (PHASE)				*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*
DIRECTION				*SB LT*	*NB*	*WB LT*	*EB*	*NB LT*	*SB*	*EB LT*	*WB*
MINIMUM GREEN (INITIAL)			*(SEC.)*	*7*	*20*	*7*	*10*	*7*	*20*	*7*	*10*
PASSAGE TIME (PRESET GAP)			*(SEC.)*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*
MAXIMUM GREEN I			*(SEC.)*	*12*	*25*	*10*	*49*	*10*	*27*	*24*	*35*
YELLOW CHANGE			*(SEC.)*	*4.2*	*5.1*	*3.8*	*4.7*	*4.2*	*5.1*	*3.8*	*4.7*
ALL RED CLEARANCE			*(SEC.)*	*1.7*	*1.0*	*2.5*	*1.0*	*1.7*	*1.0*	*2.5*	*1.0*
RECALL	*MAXIMUM*		*(ON/OFF)*	-	-	-	-	-	-	-	-
	MINIMUM		*(ON/OFF)*	-	*YES*	-	-	-	*YES*	-	-
	PEDESTRIAN		*(ON/OFF)*	-	-	-	-	-	-	-	-
MEMORY			*(ON/OFF)*	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION:	*SR 204 / TAYLOR ROAD*									
MAINTAINING AGENCY:	*OHIO DEPARTMENT OF TRANSPORTATION*									
START UP		*DUAL ENTRY:*	*YES*	*PHASES:*				*2 & 6*		
		REST IN RED:		*RING 1*	-			*RING 2*	-	
START IN:	*ALL-RED FLASH*	*OVERLAP*				*A*	*B*	*C*	*D*	
TIME FOR: FLASH , ALL RED (SEC.):	*9, 6*									
FIRST PHASE(S):	*Ø2 & Ø6*	*PHASES*				*Ø5*	*Ø7*	-	-	
COLOR DISPLAYED:	*GREEN*									
INTERVAL OR FEATURE					*CONTROLLER MOVEMENT NO.*					
INTERSECTION MOVEMENT (PHASE)				*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*
DIRECTION				*SB LT*	*NB*	*WB LT*	*EB*	*NB LT*	*SB*	*EB LT*	*WB*
MINIMUM GREEN (INITIAL)			*(SEC.)*	*7*	*20*	*7*	*10*	*7*	*20*	*7*	*10*
PASSAGE TIME (PRESET GAP)			*(SEC.)*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*
MAXIMUM GREEN I			*(SEC.)*	*16*	*24*	*10*	*66*	*10*	*30*	*29*	*47*
YELLOW CHANGE			*(SEC.)*	*4.2*	*5.1*	*3.8*	*4.7*	*4.2*	*5.1*	*3.8*	*4.7*
ALL RED CLEARANCE			*(SEC.)*	*1.7*	*1.0*	*2.5*	*1.0*	*1.7*	*1.0*	*2.5*	*1.0*
RECALL	*MAXIMUM*		*(ON/OFF)*	-	-	-	-	-	-	-	-
	MINIMUM		*(ON/OFF)*	-	*YES*	-	-	-	*YES*	-	-
	PEDESTRIAN		*(ON/OFF)*	-	-	-	-	-	-	-	-
MEMORY			*(ON/OFF)*	-	-	-	-	-	-	-	-

MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER CJM
REVIEWER DRJ 04-15-25
PROJECT ID 96808
SHEET P.0266 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:12 PM USER: brteder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

PHASE 3

TEMPORARY SIGNAL TIMING CHART

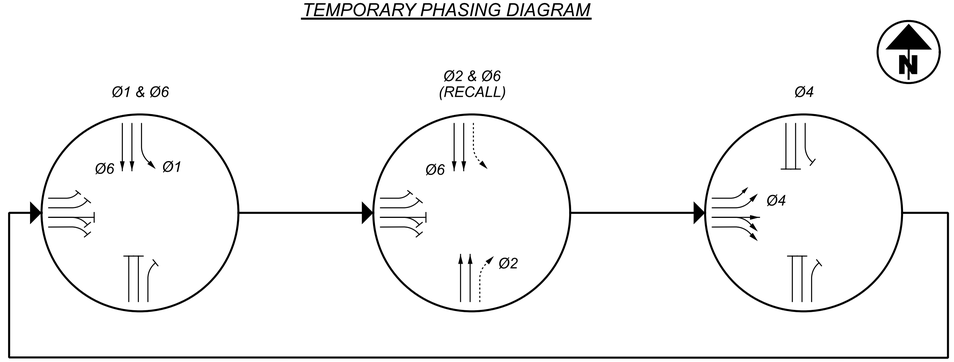
ALL HOURS EXCEPT BELOW

INTERSECTION: TAYLOR ROAD / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:		2 & 6		
			REST IN RED:		RING 1	-	RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			-	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	EB	-	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	10	-	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	3.0	-	3.0	-	-
MAXIMUM GREEN I		(SEC.)	22	41	-	39	-	69	-	-
YELLOW CHANGE		(SEC.)	4.4	5.4	-	4.4	-	5.4	-	-
ALL RED CLEARANCE		(SEC.)	1.5	1.0	-	1.0	-	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: TAYLOR ROAD / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:		2 & 6		
			REST IN RED:		RING 1	-	RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			-	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	EB	-	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	10	-	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	3.0	-	3.0	-	-
MAXIMUM GREEN I		(SEC.)	10	48	-	44	-	64	-	-
YELLOW CHANGE		(SEC.)	4.4	5.4	-	4.4	-	5.4	-	-
ALL RED CLEARANCE		(SEC.)	1.5	1.0	-	1.0	-	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER CJM
REVIEWER DRJ 04-15-25
PROJECT ID 96808
SHEET P.0267 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:13 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

PHASE 4

SR 256 / IR 70 WB RAMPS
DURING IR 70 WB ENTRANCE RAMP CONSTRUCTION ONLY
TEMPORARY SIGNAL TIMING CHART

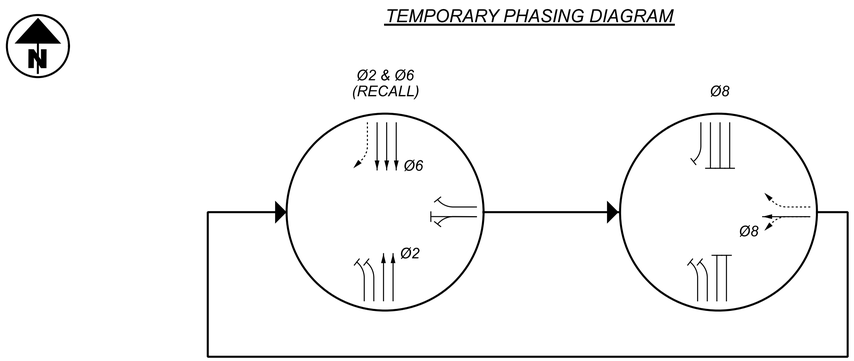
ALL HOURS EXCEPT BELOW

INTERSECTION: SR 256 / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES				-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	-	-	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	-	-	20	-	10
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	-	-	3.0	-	3.0
MAXIMUM GREEN I		(SEC.)	-	88	-	-	-	88	-	22
YELLOW CHANGE		(SEC.)	-	4.6	-	-	-	4.6	-	3.5
ALL RED CLEARANCE		(SEC.)	-	1.0	-	-	-	1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 256 / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES				-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	-	-	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	-	-	20	-	10
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	-	-	3.0	-	3.0
MAXIMUM GREEN I		(SEC.)	-	84	-	-	-	84	-	26
YELLOW CHANGE		(SEC.)	-	4.6	-	-	-	4.6	-	3.5
ALL RED CLEARANCE		(SEC.)	-	1.0	-	-	-	1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



SR 256 / IR 70 EB RAMPS
DURING IR 70 WB ENTRANCE RAMP CONSTRUCTION ONLY
TEMPORARY SIGNAL TIMING CHART

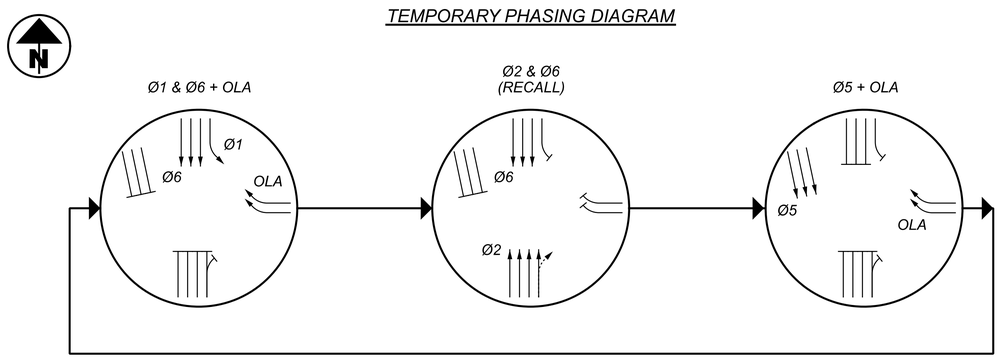
ALL HOURS EXCEPT BELOW

INTERSECTION: SR 256 / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES				Ø1&Ø5	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	-	SEB	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	-	10	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	-	3.0	3.0	-	-
MAXIMUM GREEN I		(SEC.)	15	58	-	-	30	79	-	-
YELLOW CHANGE		(SEC.)	3.7	4.6	-	-	4.3	4.6	-	-
ALL RED CLEARANCE		(SEC.)	2.5	1.0	-	-	1.0	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 256 / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES	PHASES:			2 & 6		
			REST IN RED:	RING 1	-		RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES				Ø1&Ø5	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	-	SEB	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	-	10	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	-	3.0	3.0	-	-
MAXIMUM GREEN I		(SEC.)	19	54	-	-	30	79	-	-
YELLOW CHANGE		(SEC.)	3.7	4.6	-	-	4.3	4.6	-	-
ALL RED CLEARANCE		(SEC.)	2.5	1.0	-	-	1.0	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)		-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER CJM
REVIEWER DRJ 04-15-25
PROJECT ID 96808
SHEET P.0268 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 7 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:13 PM USER: bfieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

PHASE 4

SR 256 / SR 204
DURING IR 70 WB ENTRANCE RAMP CONSTRUCTION ONLY

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: SR 256 / SR 204									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:			2 & 6	
			REST IN RED:		RING 1	-		RING 2	-
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			Ø5	Ø3	Ø7	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	35	34	9	48	30	39	32	25
YELLOW CHANGE		(SEC.)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLEARANCE		(SEC.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 256 / SR 204									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:			2 & 6	
			REST IN RED:		RING 1	-		RING 2	-
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			Ø5	Ø3	Ø7	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	40	37	7	42	11	66	25	24
YELLOW CHANGE		(SEC.)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLEARANCE		(SEC.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM

SEE NEXT SHEET

SR 256 / TAYLOR ROAD SW
DURING IR-70 WB EXIT RAMP CLOSURE ONLY

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: SR 256 / TAYLOR RD SW									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:			2 & 6	
			REST IN RED:		RING 1	-		RING 2	-
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			Ø5	Ø3	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	10	34	28	24	16	28	10	42
YELLOW CHANGE		(SEC.)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLEARANCE		(SEC.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 256 / TAYLOR RD SW									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:			2 & 6	
			REST IN RED:		RING 1	-		RING 2	-
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			Ø5	Ø3	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	10	34	35	17	13	31	10	42
YELLOW CHANGE		(SEC.)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLEARANCE		(SEC.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM

SEE NEXT SHEET

MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:14 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.0269 TOTAL P.1556

PHASE 4

SR 256 / SR 204

TEMPORARY PHASING DIAGRAM

SR 256 / TAYLOR ROAD SW

TEMPORARY PHASING DIAGRAM

MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
CJM

REVIEWER
DRJ 04-15-25

PROJECT ID
96808

SHEET P.0270 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 9 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:15 PM USER: bfieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

PHASE 4

TAYLOR ROAD / IR 70 WB RAMPS
DURING IR 70 WB ENTRANCE RAMP CONSTRUCTION ONLY
TEMPORARY SIGNAL TIMING CHART

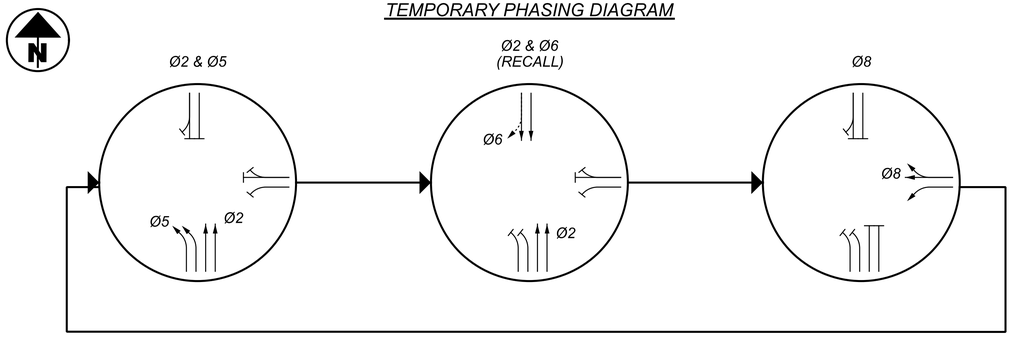
ALL HOURS EXCEPT BELOW

INTERSECTION: TAYLOR ROAD / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:		2 & 6		
			REST IN RED:		RING 1	-	RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			-	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	-	NB LT	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	-	7	20	-	10
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	-	3.0	3.0	-	3.0
MAXIMUM GREEN I		(SEC.)	-	67	-	-	41	21	-	41
YELLOW CHANGE		(SEC.)	-	4.6	-	-	3.8	4.6	-	4.7
ALL RED CLEARANCE		(SEC.)	-	1.0	-	-	1.3	1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: TAYLOR ROAD / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:		2 & 6		
			REST IN RED:		RING 1	-	RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			-	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	-	NB LT	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	-	7	20	-	10
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	-	3.0	3.0	-	3.0
MAXIMUM GREEN I		(SEC.)	-	60	-	-	34	20	-	49
YELLOW CHANGE		(SEC.)	-	4.6	-	-	3.8	4.6	-	4.7
ALL RED CLEARANCE		(SEC.)	-	1.0	-	-	1.3	1.0	-	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



TAYLOR ROAD / IR 70 EB RAMPS
DURING IR 70 WB ENTRANCE RAMP CONSTRUCTION ONLY
TEMPORARY SIGNAL TIMING CHART

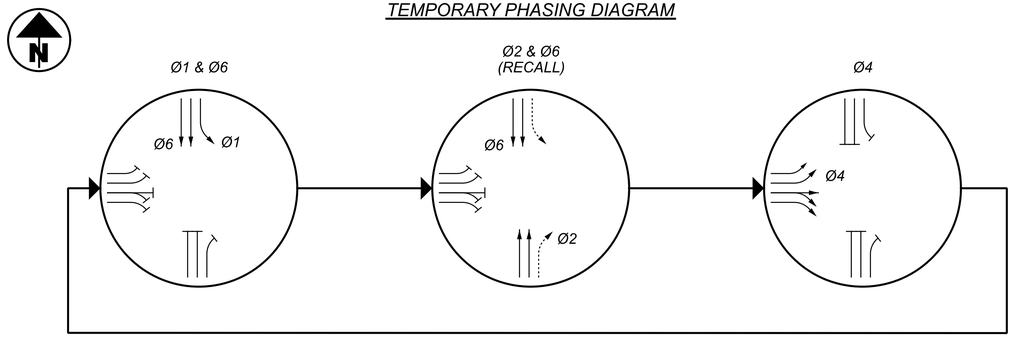
ALL HOURS EXCEPT BELOW

INTERSECTION: TAYLOR ROAD / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:		2 & 6		
			REST IN RED:		RING 1	-	RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			-	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	EB	-	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	10	-	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	3.0	-	3.0	-	-
MAXIMUM GREEN I		(SEC.)	14	49	-	39	-	69	-	-
YELLOW CHANGE		(SEC.)	4.4	5.4	-	4.4	-	5.4	-	-
ALL RED CLEARANCE		(SEC.)	1.5	1.0	-	1.0	-	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: TAYLOR ROAD / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:		2 & 6		
			REST IN RED:		RING 1	-	RING 2	-	
START IN:	ALL-RED FLASH		OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.):	9, 6								
FIRST PHASE(S):	Ø2 & Ø6		PHASES			-	-	-	-
COLOR DISPLAYED:	GREEN								
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	EB	-	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	10	-	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	3.0	-	3.0	-	-
MAXIMUM GREEN I		(SEC.)	10	31	-	61	-	46	-	-
YELLOW CHANGE		(SEC.)	4.4	5.4	-	4.4	-	5.4	-	-
ALL RED CLEARANCE		(SEC.)	1.5	1.0	-	1.0	-	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

FAI/LIC-IR 70-0.00/0.00

MODEL: MOT SIGNAL 10 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:21:15 PM USER: brlieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MC002.dgn

DESIGN AGENCY: GANNETT FLEMING
DESIGNER: CJM
REVIEWER: DRJ 04-15-25
PROJECT ID: 96808
SHEET: P.0271 TOTAL: P.1556

PHASE 4

TAYLOR ROAD / TAYLOR ROAD SW
DURING IR-70 WB EXIT RAMP CLOSURE ONLY

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: TAYLOR RD / TAYLOR RD SW
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP
START IN: ALL-RED FLASH
TIME FOR: FLASH , ALL RED (SEC.): 9, 6
FIRST PHASE(S): Ø2 & Ø6
COLOR DISPLAYED: GREEN

DUAL ENTRY: YES | PHASES: 2 & 6
REST IN RED: RING 1 - | RING 2 -

	A	B	C	D
OVERLAP				
PHASES	Ø4 & Ø6	-	-	-

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	EB	NB LT	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	10	7	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	3.0	3.0	3.0	-	-
MAXIMUM GREEN I		(SEC.)	-	83	-	25	23	54	-	-
YELLOW CHANGE		(SEC.)	-	5.2	-	3.1	4.1	5.2	-	-
ALL RED CLEARANCE		(SEC.)	-	1.0	-	2.0	2.3	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: TAYLOR RD / TAYLOR RD SW
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

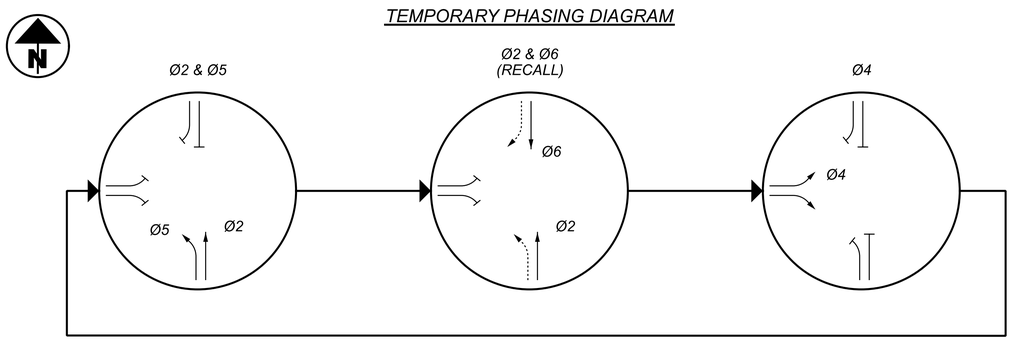
START UP
START IN: ALL-RED FLASH
TIME FOR: FLASH , ALL RED (SEC.): 9, 6
FIRST PHASE(S): Ø2 & Ø6
COLOR DISPLAYED: GREEN

DUAL ENTRY: YES | PHASES: 2 & 6
REST IN RED: RING 1 - | RING 2 -

	A	B	C	D
OVERLAP				
PHASES	Ø4 & Ø6	-	-	-

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	EB	NB LT	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	10	7	20	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	3.0	3.0	3.0	-	-
MAXIMUM GREEN I		(SEC.)	-	78	-	31	38	33	-	-
YELLOW CHANGE		(SEC.)	-	5.2	-	3.1	4.1	5.2	-	-
ALL RED CLEARANCE		(SEC.)	-	1.0	-	2.0	2.3	1.0	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

TEMPORARY PHASING DIAGRAM



SR 204 / TAYLOR ROAD
DURING IR 70 WB ENTRANCE RAMP CONSTRUCTION ONLY

TEMPORARY SIGNAL TIMING CHART

ALL HOURS EXCEPT BELOW

INTERSECTION: SR 204 / TAYLOR ROAD
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP
START IN: ALL-RED FLASH
TIME FOR: FLASH , ALL RED (SEC.): 9, 6
FIRST PHASE(S): Ø2 & Ø6
COLOR DISPLAYED: GREEN

DUAL ENTRY: YES | PHASES: 2 & 6
REST IN RED: RING 1 - | RING 2 -

	A	B	C	D
OVERLAP				
PHASES	Ø5	Ø7	-	-

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	13	20	7	56	7	26	26	37
YELLOW CHANGE		(SEC.)	4.2	5.1	3.8	4.7	4.2	5.1	3.8	4.7
ALL RED CLEARANCE		(SEC.)	1.7	1.0	2.5	1.0	1.7	1.0	2.5	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

2 PM - 7 PM

INTERSECTION: SR 204 / TAYLOR ROAD
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP
START IN: ALL-RED FLASH
TIME FOR: FLASH , ALL RED (SEC.): 9, 6
FIRST PHASE(S): Ø2 & Ø6
COLOR DISPLAYED: GREEN

DUAL ENTRY: YES | PHASES: 2 & 6
REST IN RED: RING 1 - | RING 2 -

	A	B	C	D
OVERLAP				
PHASES	Ø5	Ø7	-	-

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM GREEN I		(SEC.)	36	20	7	63	7	49	22	48
YELLOW CHANGE		(SEC.)	4.2	5.1	3.8	4.7	4.2	5.1	3.8	4.7
ALL RED CLEARANCE		(SEC.)	1.7	1.0	2.5	1.0	1.7	1.0	2.5	1.0
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	YES	-	-	-	YES	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

PHASING DIAGRAM
SEE SHEET P.1219

MAINTENANCE OF TRAFFIC TEMPORARY TRAFFIC SIGNAL TIMING AND PHASING

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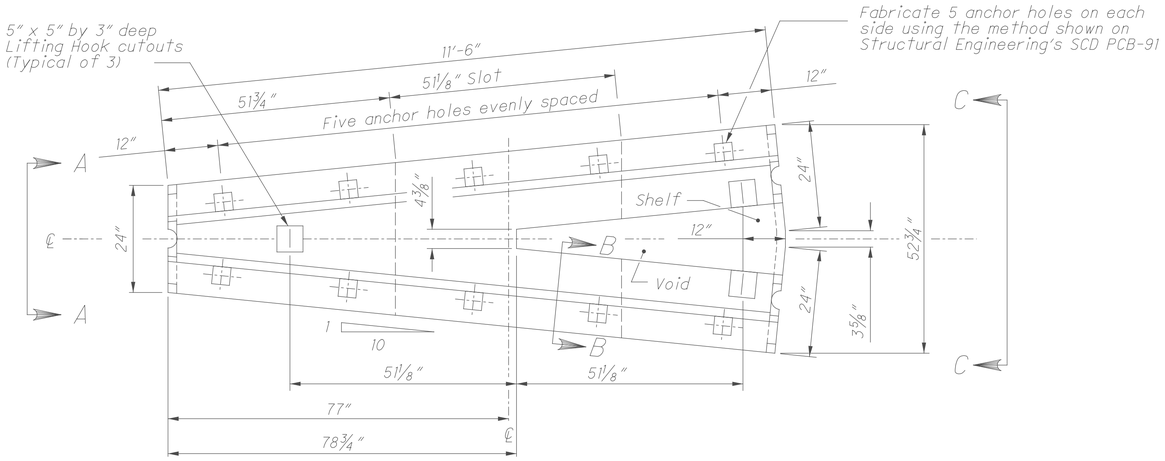
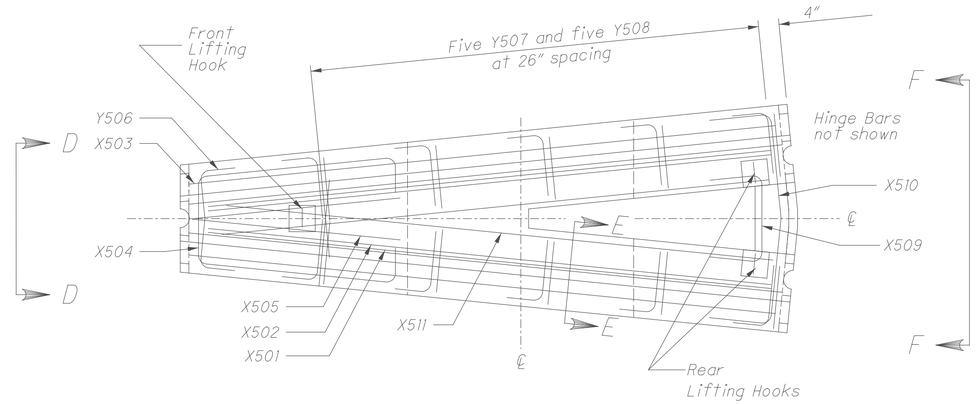
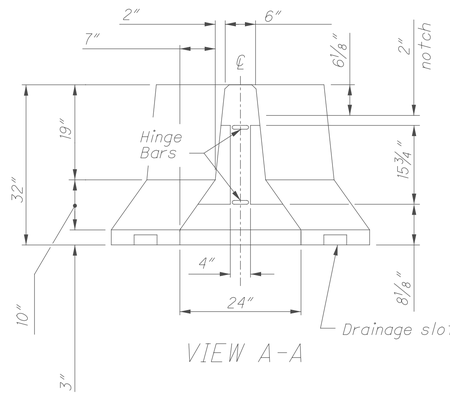
DESIGN AGENCY
GANNETT FLEMING
DESIGNER CJM
REVIEWER DRJ 04-15-25
PROJECT ID 96808
SHEET P.0272 TOTAL P.1556



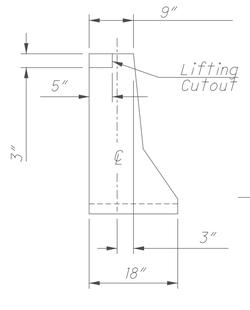
PLAN



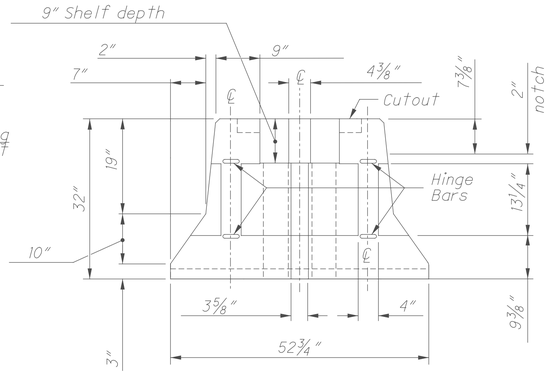
REINFORCING PLAN VIEW



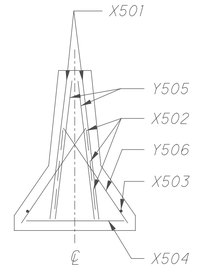
VIEW A-A



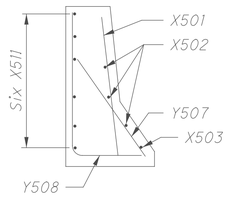
SECTION B-B



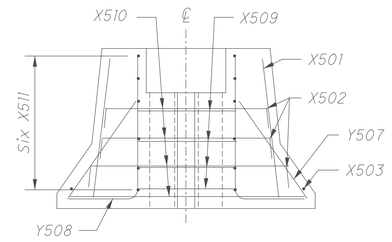
VIEW C-C



VIEW D-D

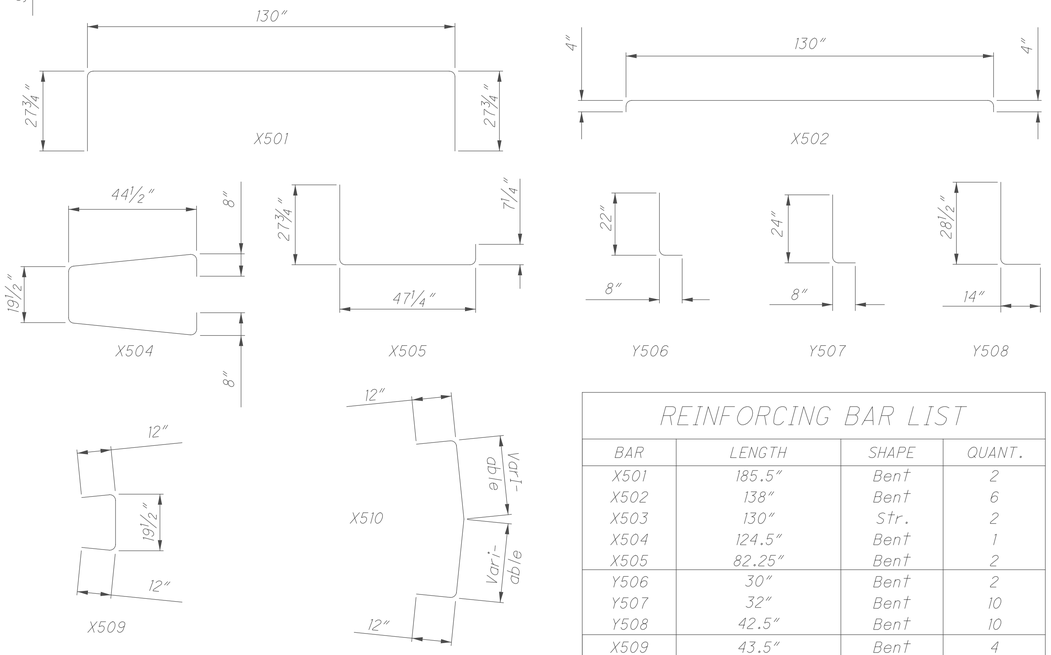


SECTION E-E



VIEW F-F

REINFORCING DETAILS



BENDING DIAGRAMS

REINFORCING BAR LIST

BAR	LENGTH	SHAPE	QUANT.
X501	185.5"	Bent	2
X502	138"	Bent	6
X503	130"	Str.	2
X504	124.5"	Bent	1
X505	82.25"	Bent	2
Y506	30"	Bent	2
Y507	32"	Bent	10
Y508	42.5"	Bent	10
X509	43.5"	Bent	4
X510	Varies	Bent	4
X511	124"	Str.	12

NOTES

GENERAL: This barrier segment is an alternative method to split one run of portable concrete barrier into dual runs. Attach directly to ODOT's 32" PCB; however, other approved barrier shapes may be connected to this segment by the use of an appropriate transition unit. Attach atleast one standard PCB segment in between this "Y" and an Impact Attenuator. Its field application is shown in MOT plans and on MT standard drawings. Do not use this barrier in an unanchored configuration next to bridge deck edges or similiar dropoffs, anchor according to method shown on PCBDD or other approved method.

BARRIER DETAILS: Use SCD RM-4.2 for details not shown here, including the geometry of this pin and loop segment matches in every way the design of the end connections shown on the HINGED CONNECTION and JOINT CONNECTION Details (the alternate J-J Hooks connection design is permitted). Additionally, barrier edges may be radiused or chamfered as per the LEGEND Note, barrier is to be permanently marked as mentioned in the MARKINGS Note, and delineate as per the REFLECTORIZATION Note.

MATERIAL SPECIFICATIONS: The minimum design strength of the concrete is 4,000 psi and meets the requirements of CMS 499. For reinforcing steel, use ASTM A615 Grade 60 black steel and provide 2" min. rebar cover. Material specifications for the Hinge and Reinforcing Bars, as well as the Connecting Hardware may be found on SCD RM-4.2. For additional material specifications not shown here, see SCD RM-4.2 and CMS 622.

HANDLING: The fabricator is responsible for the design of a lifting system for handling segments. As a minimum, use three lifting points at the locations suggested in the Plan views, and design with a lifting factor of safety of 4. Any protrusions from the lifting hook design is not to affect the crash worthiness of the barrier. The calculations shall be signed, sealed and dated by a Registered Engineer and include these calculations with the Manufacturing Drawings required by Supplement 1073.12. Refer to Part 5 of the PCI Handbook. Approximate segment weight is 8,500 lbs (3850 kg).

PAYMENT: Payment will be made under Item 622 - Dual Portable Barrier Transition/Termination, Each, and will include all forms, materials and labor to cast and install this segment.

ALTERNATE METHOD: Contractors may choose to use the concrete "Y" connector in lieu of a Wide Impact Attenuator. The Wide Impact Attenuator unit will be a Type 2 or 3 Impact Attenuator or equivalent as approved by the Engineer.

THIS DRAWING REPLACES Y BARRIER PLAN INSERT SHEET DATED 04-16-2010

MAINTENANCE OF TRAFFIC - PLAN INSERT SHEET
PCB "Y" CONNECTOR SEGMENT

DESIGN AGENCY: GANNETT FLEMING

DESIGNER: TCW

REVIEWER: DRJ 04/25/25

PROJECT ID: 96808

SHEET: P.0273 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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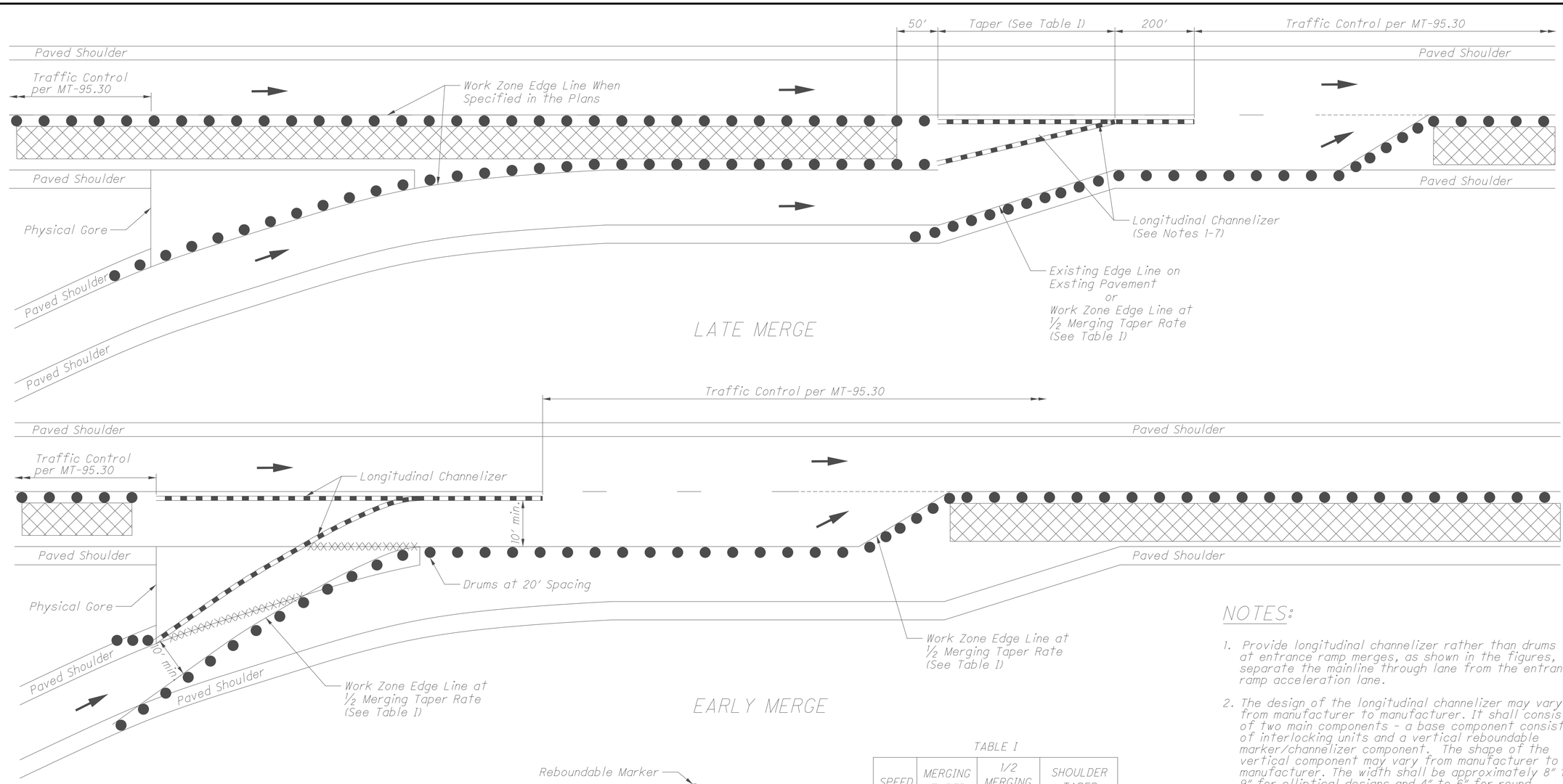
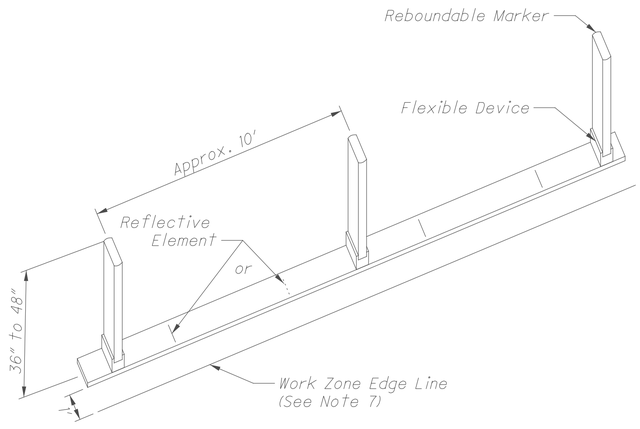
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\406-Engineering_GannettFleming\MOT\Sheets\96808_MM0001.dgn





LONGITUDINAL CHANNELIZER

LEGEND

- WORK AREA
- DRUMS
- LONGITUDINAL CHANNELIZER
- REMOVE EXISTING MARKINGS
- DIRECTION OF TRAVEL

TABLE I

SPEED LIMIT (MPH)	MERGING TAPER RATE MINIMUM	1/2 MERGING TAPER RATE MINIMUM	SHOULDER TAPER RATE MINIMUM
25	11:1	6:1	4:1
30	15:1	8:1	5:1
35	21:1	11:1	7:1
40	27:1	14:1	9:1
45	45:1	23:1	15:1
50	50:1	25:1	17:1
55	55:1	28:1	19:1
60	60:1	30:1	20:1
65	65:1	33:1	22:1
70	70:1	35:1	24:1

NOTES:

1. Provide longitudinal channelizer rather than drums at entrance ramp merges, as shown in the figures, to separate the mainline through lane from the entrance ramp acceleration lane.
2. The design of the longitudinal channelizer may vary from manufacturer to manufacturer. It shall consist of two main components - a base component consisting of interlocking units and a vertical reboundable marker/channelizer component. The shape of the vertical component may vary from manufacturer to manufacturer. The width shall be approximately 8″ to 9″ for elliptical designs and 4″ to 6″ for round (tubular) designs. The height of the vertical component shall be within the range of 36″ minimum to 48″ maximum.
3. The longitudinal channelizer shall be NCHRP 350 compliant.
4. The vertical component shall be equipped with retroreflective sheeting or with retroreflective stripes. Where stripes are used, the stripes shall consist of two 3″ wide bands placed a maximum of 2″ from the top with a maximum of 6″ between the bands.
5. The base component shall be equipped with reflectors.
6. The color of the base component, including the attached reflectors, and of the retroreflective sheeting or bands for the vertical components shall be in conformance with the pavement marking colors established in the Ohio Manual of Uniform Traffic Control Devices.
7. Where edge line is provided adjacent to the longitudinal channelizer, the edge line should be located 1′ from the longintudinal channelizer. The edge line should be provided if the resulting lane width would be 11′ or greater.
8. For additional information regarding traffic control at entrance ramps, see Standard Construction Drawings MT-98.10 and MT-98.11.

MAINTENANCE OF TRAFFIC - PLAN INSERT SHEET LONGITUDINAL CHANNELIZER DETAIL

THIS DRAWING REPLACES PIS 201080 DATE 4-17-2009.

DESIGN AGENCY
GANNETT FLEMING

DESIGNER
TCW

REVIEWER
DRJ 04/25/25

PROJECT ID
96808

SHEET P.0274 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND
- OVERLAY/PLANING
- CONSTRUCTION LIMITS

HORIZONTAL SCALE IN FEET
0 25 50 100

PID: 060-004736-00
REYNOLDSBURG CITY SCHOOL DISTRICT
BD OF EDUCATION
5.82 AC. (AUD.)
BALDWIN DR.

PID: 060-004738-00
BOARD OF PARK COMMISSIONERS OF THE COLUMBUS
AND FRANKLIN COUNTY METROPOLITAN PARK DISTRICT
8.75 AC. (AUD.)
TUSSING RD.

BEGIN WORK
STA. 619+00.00

CITY OF REYNOLDSBURG
TRURO TOWNSHIP

CITY OF REYNOLDSBURG
CITY OF COLUMBUS

Ex LA-R/W

"GAS EXIT" SIGN ON
12" STEEL POSTS

SUPPORT
GANTT

1" CPP

DND

POT STA. 630+00.00

82.0'

90.0'

619 620 621 622 623 624 625 626 627 628 629 630 631 632

S85°38'17"E

℄ CONST & R/W IR 70

+60.4, LON

+82.5

+70

+82.5

PROP AA
MGS TYPE T

PROP AA
MGS TYPE E

MATCH LINE STA. 633+00.00, SEE SHEET P.0276

TRURO TOWNSHIP
CITY OF COLUMBUS

PID: 550-297847
OHIO POWER COMPANY
I.N. 201711130159929
4.549 ACRES (AUDITOR)
12.803 ACRES (DEED)
AMERICANA PARKWAY
INDUSTRIAL

PID: 540-181267-00
OHIO POWER COMPANY
8.06 AC. (AUD.)
6870 AMERICANA PKWY.

PID: 540-234799-00
ARMOR & ANCHOR LLC
3.63 AC. (AUD.)
6900 AMERICANA PKWY.

PID: 540-216158-00
VCP CAPITAL VENTURES 1, LLC (30.81%)
VKP 3, LLC (41.21%)
HILTON CAPITAL GROUP, LLC (27.98%)
3.87 AC. (AUD.)
6954-6958 AMERICANA PKWY.
INDUSTRIAL

PLAN SHEET - IR 70
STA. 618+50.00 TO STA. 633+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0275 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

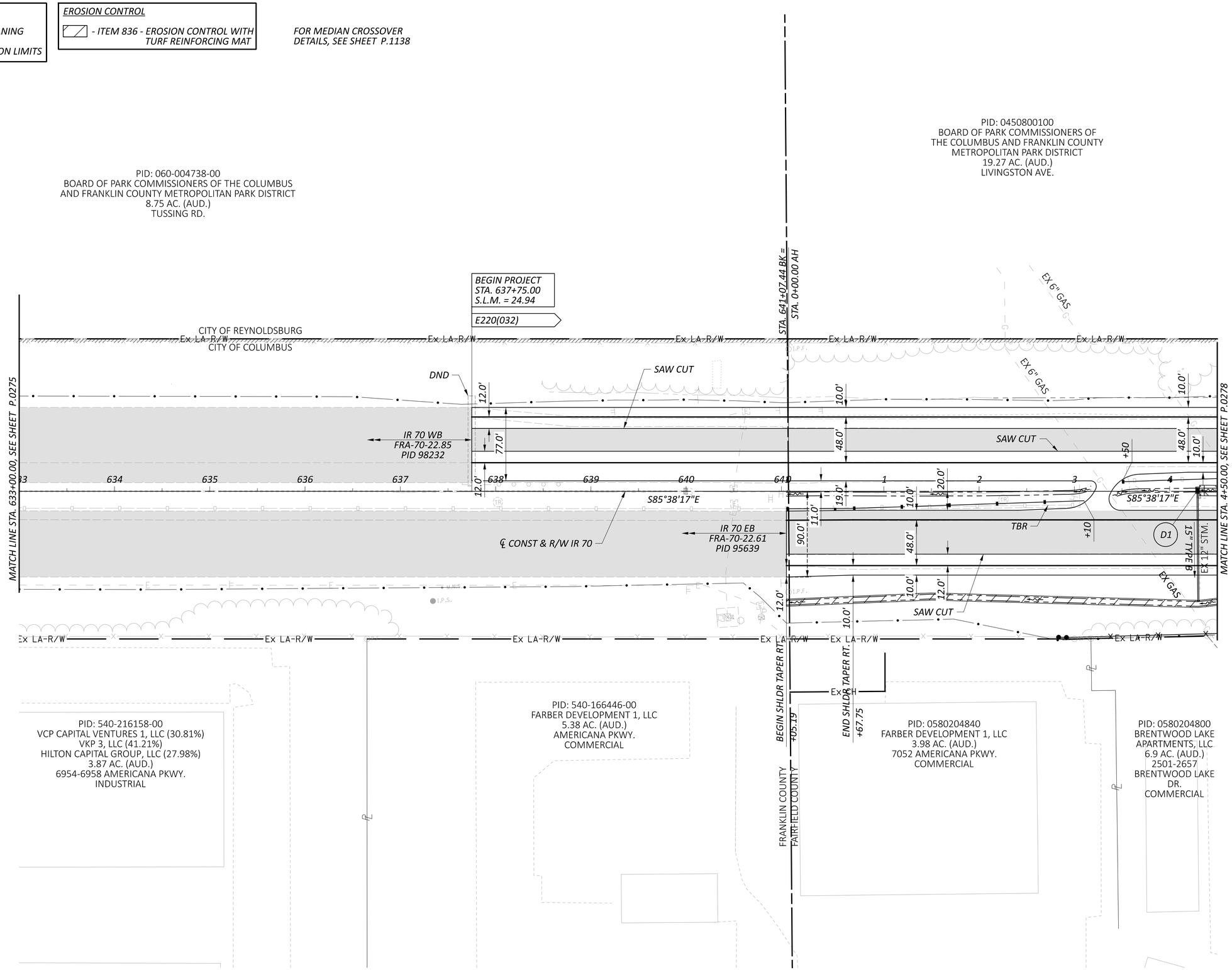
EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

FOR MEDIAN CROSSOVER DETAILS, SEE SHEET P.1138

PID: 060-004738-00
BOARD OF PARK COMMISSIONERS OF THE COLUMBUS AND FRANKLIN COUNTY METROPOLITAN PARK DISTRICT
8.75 AC. (AUD.)
TUSSING RD.

PID: 0450800100
BOARD OF PARK COMMISSIONERS OF THE COLUMBUS AND FRANKLIN COUNTY METROPOLITAN PARK DISTRICT
19.27 AC. (AUD.)
LIVINGSTON AVE.



HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 633+00.00 TO STA. 4+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0276
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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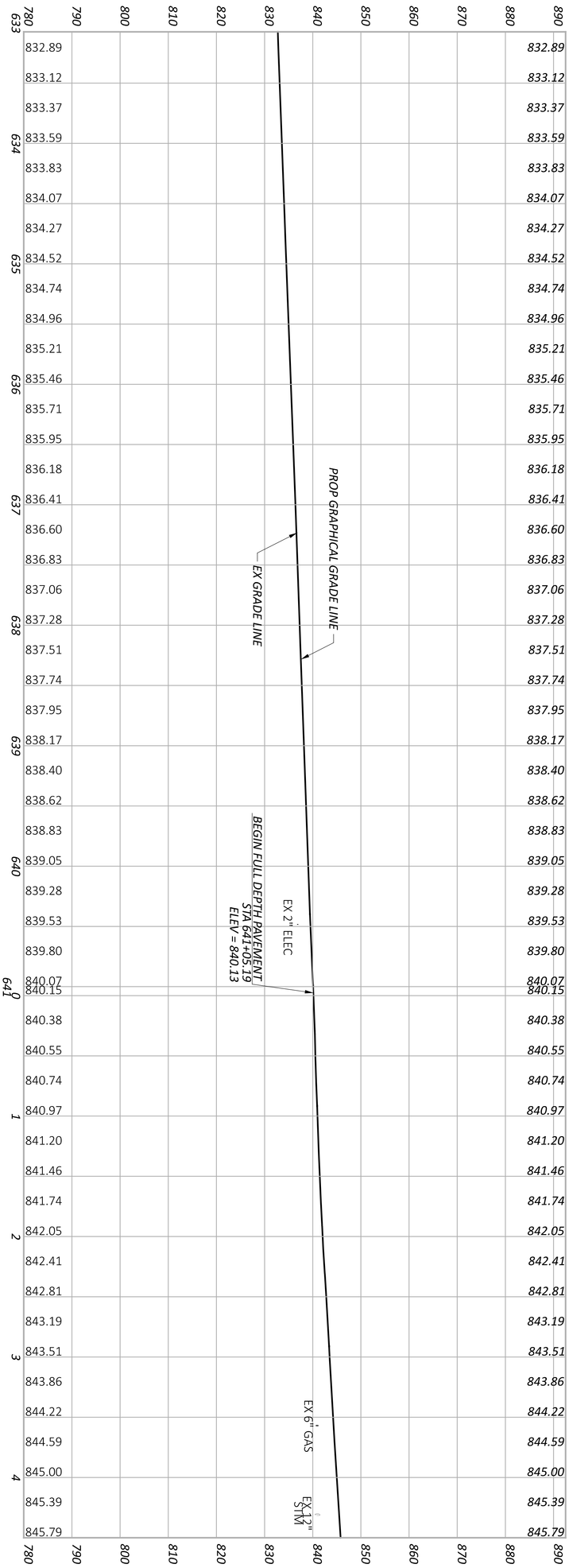
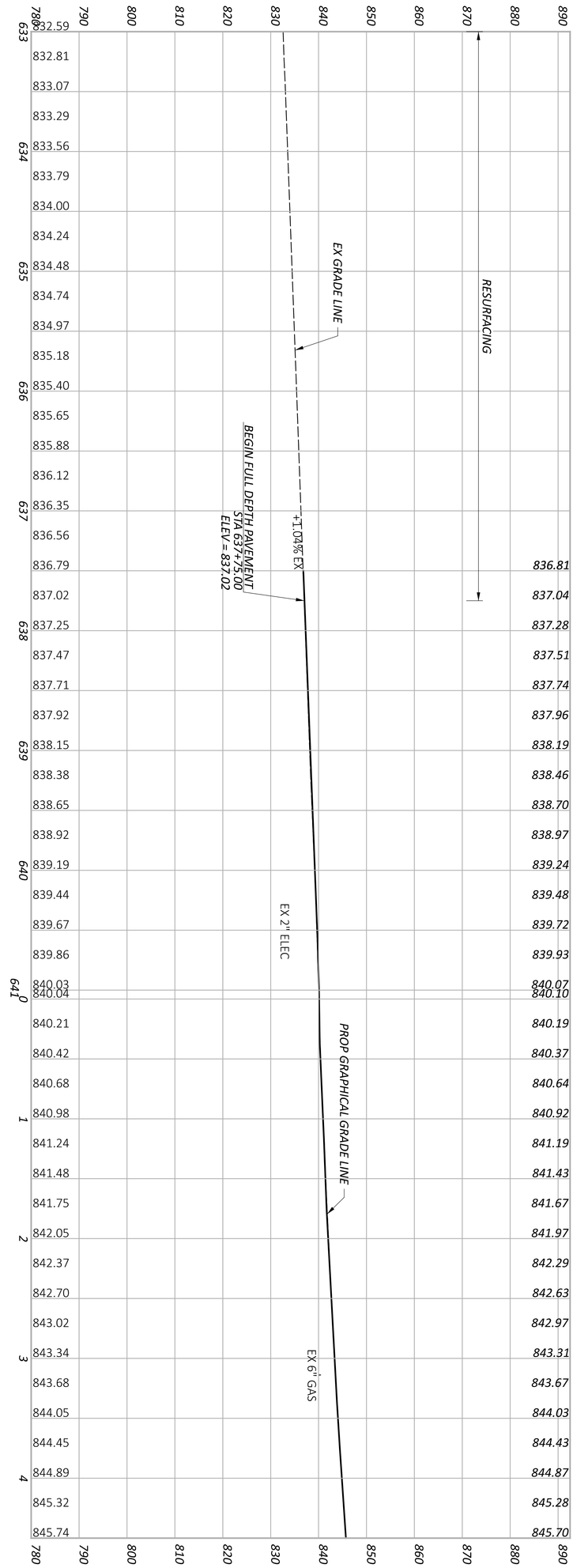


IR 70 EB



IR 70 WB

PROFILE - IR 70
STA. 633+00.00 TO STA. 4+50.00

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
BER	KAM 04/25/25	96808	P 0277	P 1556

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

LEGEND

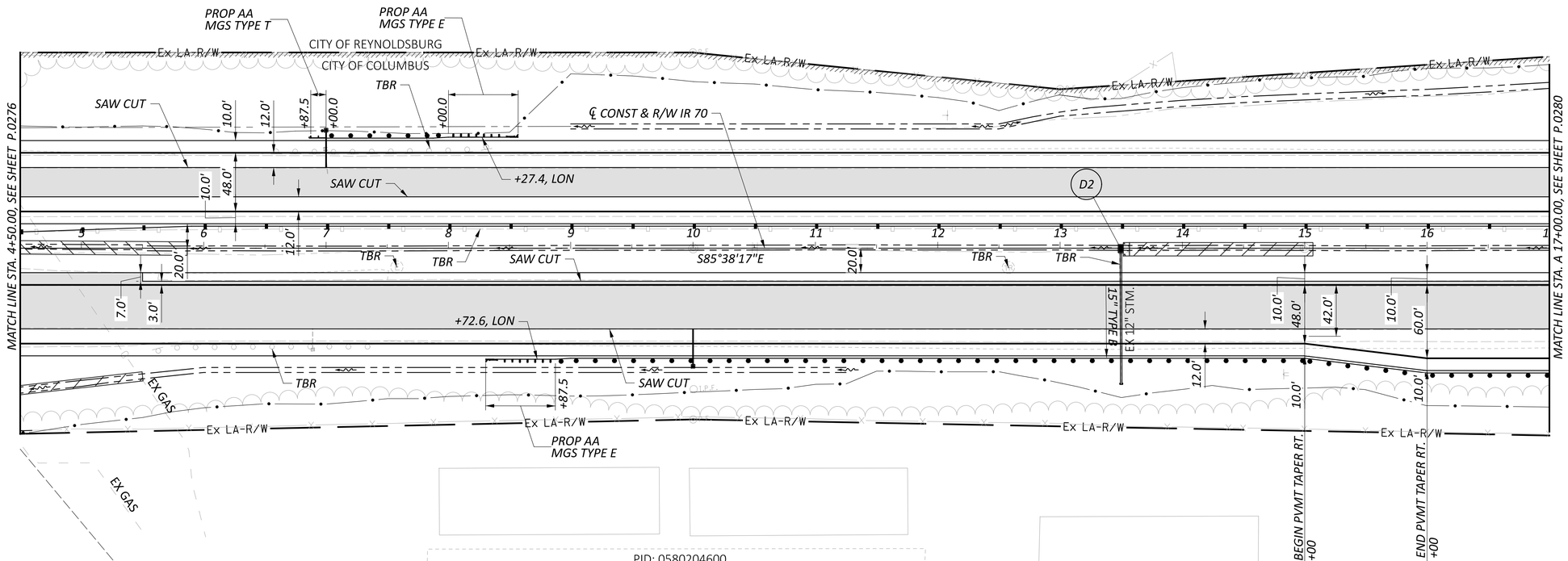
- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

HORIZONTAL SCALE IN FEET
0 25 50 100

PID: 0450800100
BOARD OF PARK COMMISSIONERS OF
THE COLUMBUS AND FRANKLIN COUNTY
METROPOLITAN PARK DISTRICT
19.27 AC. (AUD.)
LIVINGSTON AVE.



PID: 0580204600
BRENTWOOD LAKE APARTMENTS, LLC
31.53 AC. (AUD.)
2800 JOHN STEVEN WAY
COMMERCIAL

PLAN SHEET - IR 70
STA. 4+50.00 TO STA. 17+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0278 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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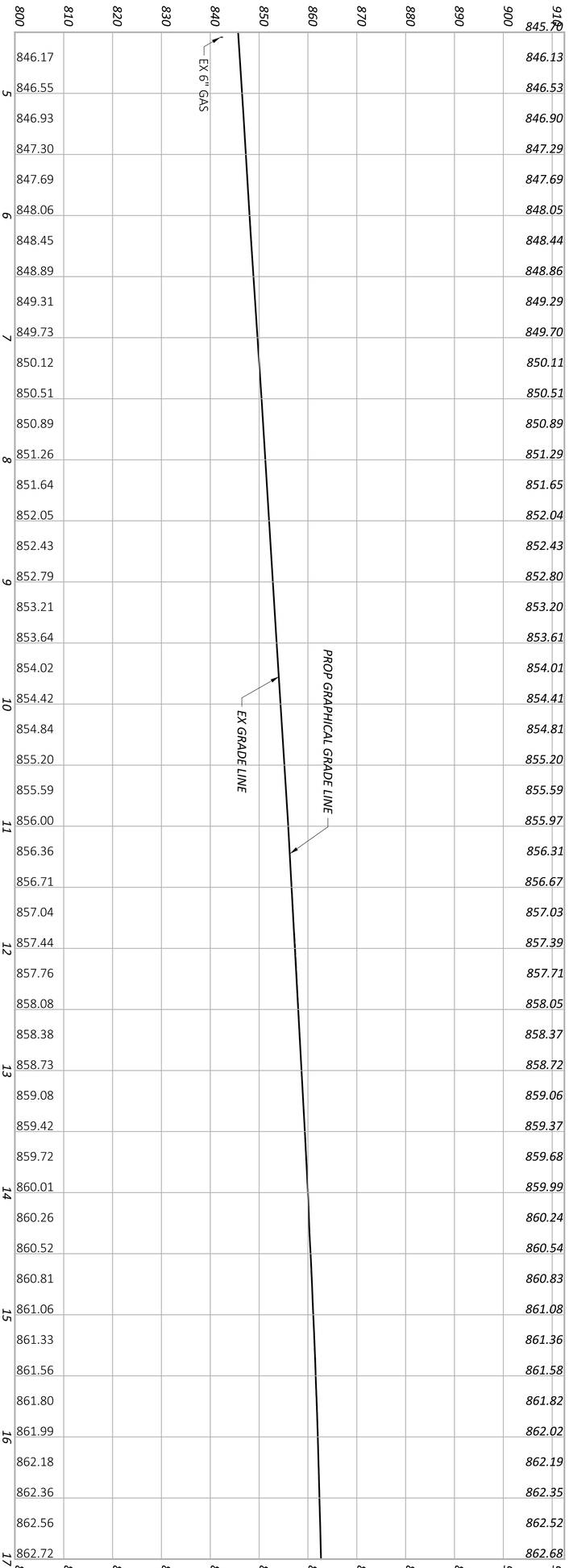
IR 70 EB



IR 70 WB

SHEET	TOTAL
P 0279	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

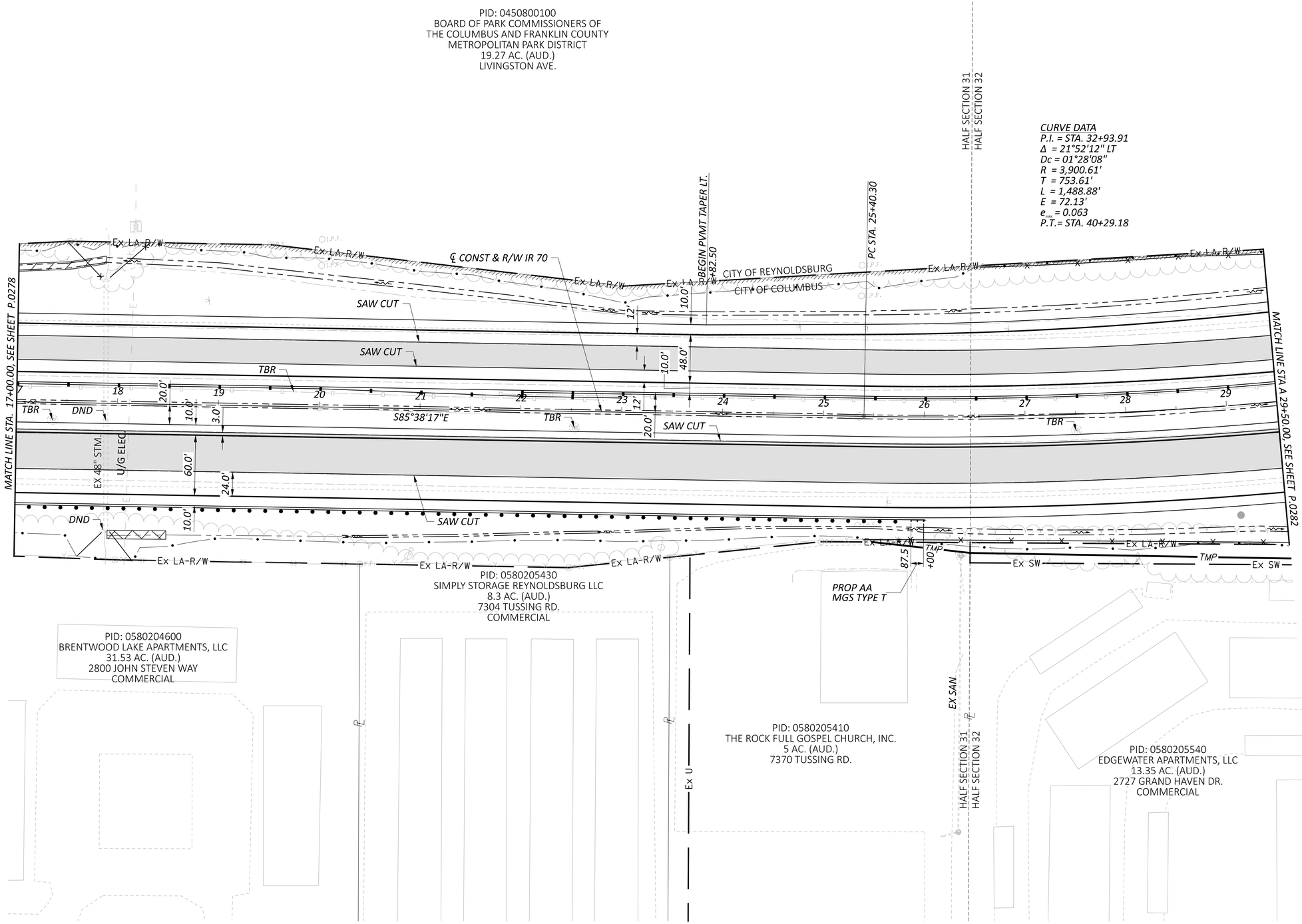
PROFILE - IR 70
STA. 4+50.00 TO STA. 17+00.00

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 17+00.00 TO STA. 29+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0280 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:27:07 PM USER: brieder
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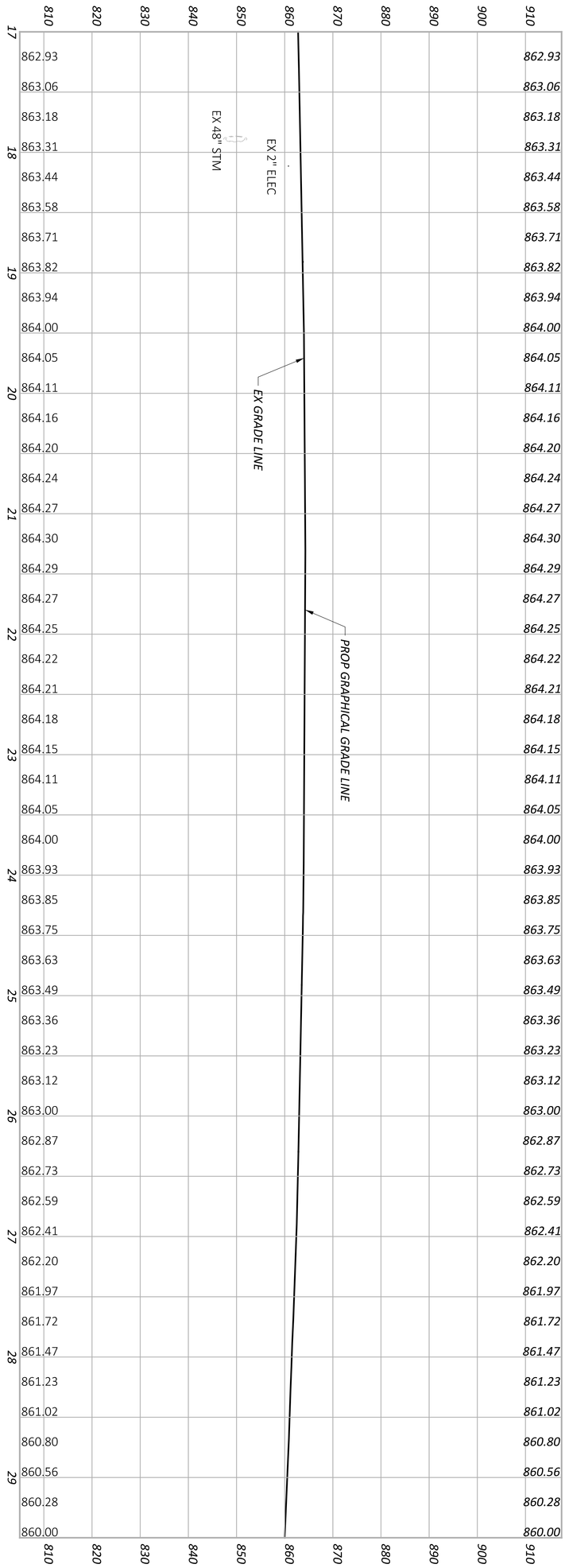
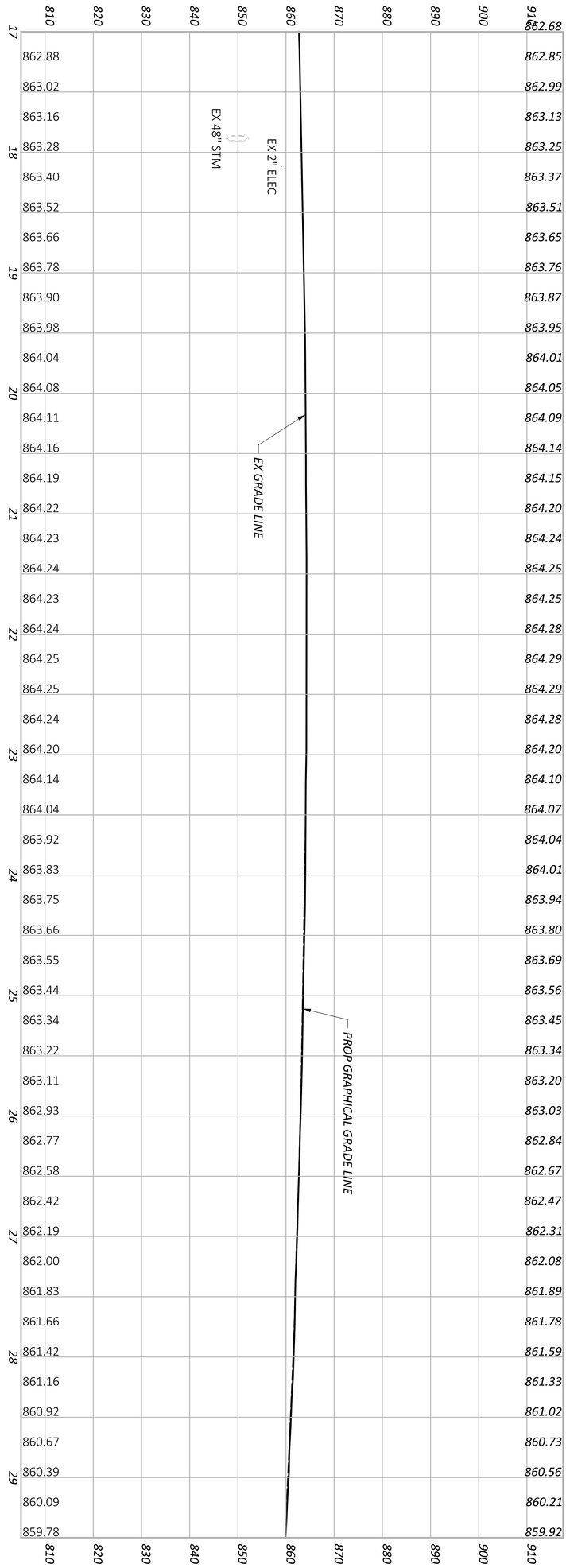


IR 70 EB



IR 70 WB

SHEET	TOTAL
P 0281	P 1556

PROJECT ID: 96808

REVIEWER: KAM 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 17+00.00 TO STA. 29+50.00

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

PID: 0450801000
BOARD OF PARK COMMISSIONERS OF
THE COLUMBUS AND FRANKLIN COUNTY
METROPOLITAN PARK DISTRICT
18.42 AC. (AUD.)
REYNOLDSBURG-BALTIMORE RD. NW

CURVE DATA
P.I. = STA. 32+93.91
Δ = 21°52'12" LT
Dc = 01°28'08"
R = 3,900.61'
T = 753.61'
L = 1,488.88'
E = 72.13'
e_{max} = 0.063
P.C. = STA. 25+40.30

END PVMT TAPER LT.
+82.50

CITY OF REYNOLDSBURG
CITY OF COLUMBUS
Ex LA R/W

MATCH LINE STA. 29+50.00, SEE SHEET P.0280

BEGIN PVMT TAPER RT.
+00

PID: 0580205540
EDGEWATER APARTMENTS, LLC
13.35 AC. (AUD.)
2727 GRAND HAVEN DR.
COMMERCIAL

℄ CONST & R/W IR 70

℄ CONST RAMP E

PID: 0580205520
HIGHLAND PARK HOLDINGS, LLC
20.83 AC. (AUD.)
2400-2826 PRENDERGAST PL.
COMMERCIAL

PT STA. 40+29.18

MATCH LINE STA. 42+00.00, SEE SHEET P.0284

N72°29'31"E

VIOLET TOWNSHIP
CITY OF COLUMBUS

01 STA. 30+00.00, ℄ CONST RAMP E =
STA. 30+00.00, 90.00' RT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 29+50.00 TO STA. 42+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0282 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:27:42 PM USER: brieder
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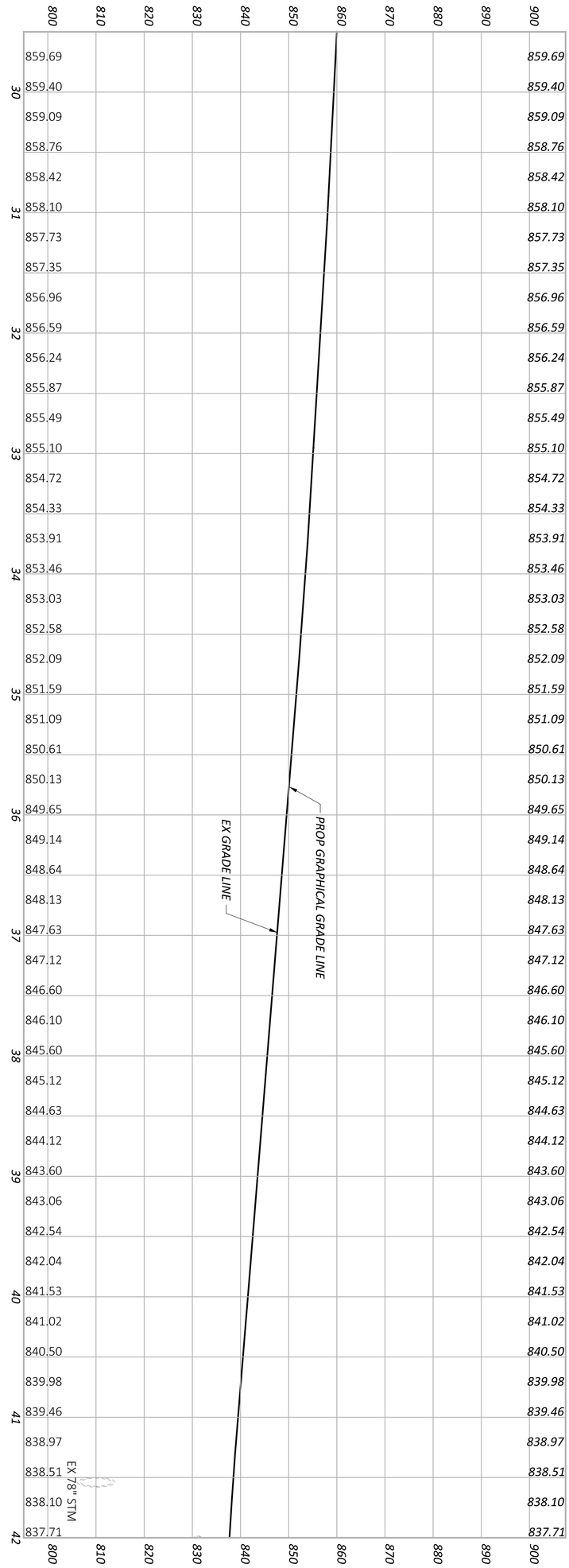


IR 70 EB

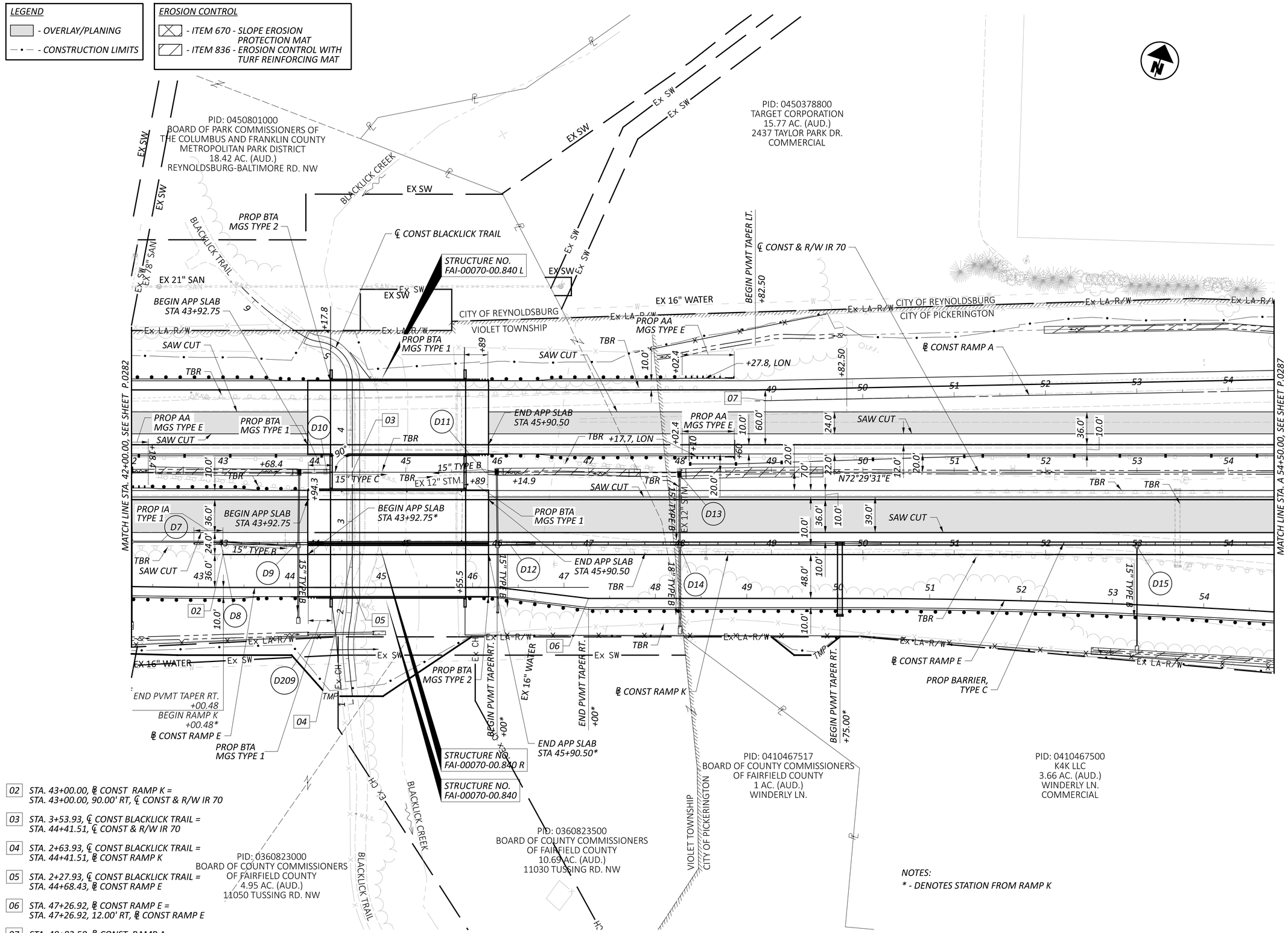


IR 70 WB

SHEET	TOTAL
P 0283	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 29+50.00 TO STA. 42+00.00



02 STA. 43+00.00, ℄ CONST RAMP K = STA. 43+00.00, 90.00' RT, ℄ CONST & R/W IR 70

03 STA. 3+53.93, ℄ CONST BLACKLICK TRAIL = STA. 44+41.51, ℄ CONST & R/W IR 70

04 STA. 2+63.93, ℄ CONST BLACKLICK TRAIL = STA. 44+41.51, ℄ CONST RAMP K

05 STA. 2+27.93, ℄ CONST BLACKLICK TRAIL = STA. 44+68.43, ℄ CONST RAMP E

06 STA. 47+26.92, ℄ CONST RAMP E = STA. 47+26.92, 12.00' RT, ℄ CONST RAMP E

07 STA. 48+82.50, ℄ CONST RAMP A = STA. 48+82.50, 78.00' LT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET 0 25 50 100

PLAN SHEET - IR 70
STA. 42+00.00 TO STA. 54+50.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0284 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:28:20 PM USER: brieder
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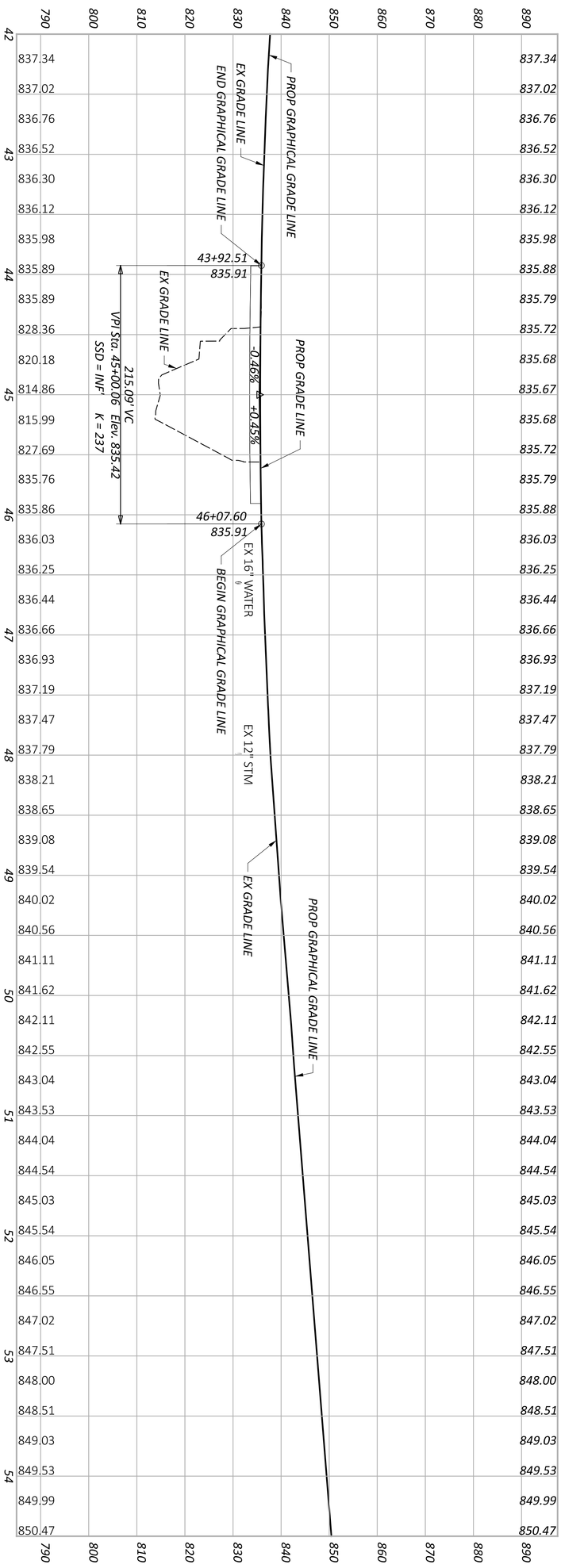
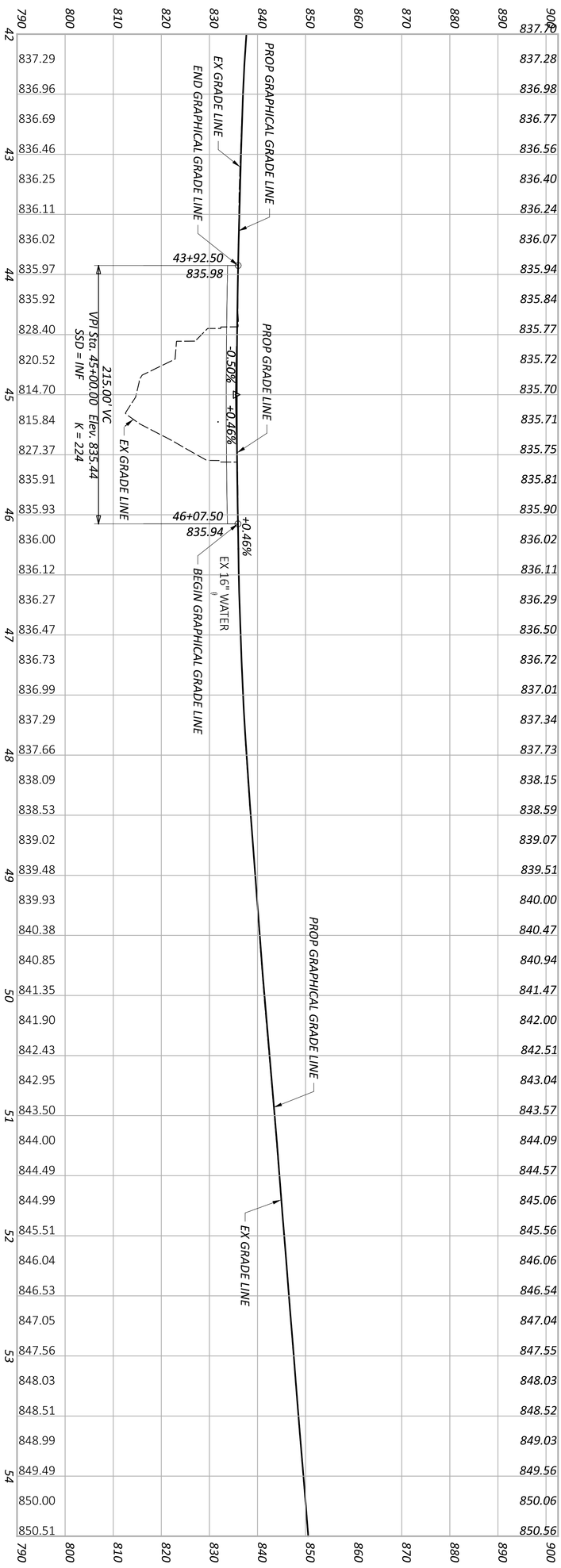


IR 70 EB



IR 70 WB

SHEET P.0285	TOTAL P.1556	PROJECT ID 96808	REVIEWER KAM 04/25/25	DESIGNER BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 42+00.00 TO STA. 54+50.00

MODEL: RAMP K - PROFILE 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:28:52 PM USER: brieder
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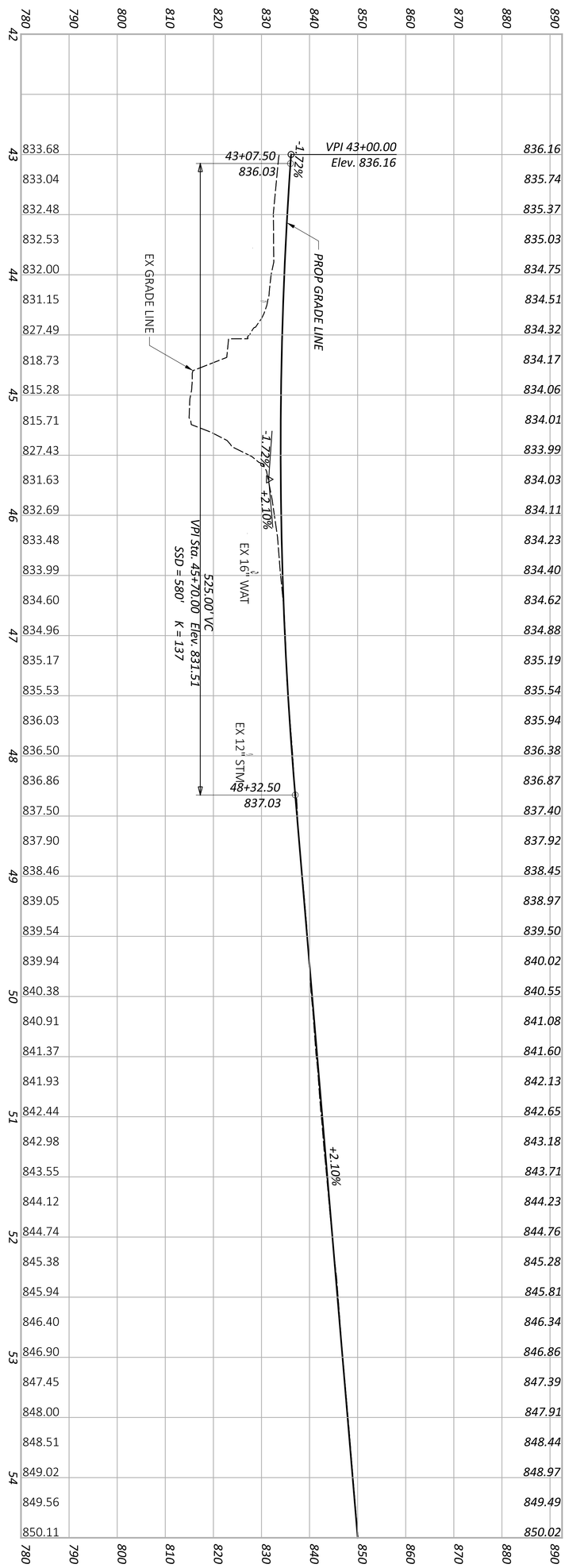

PROFILE - RAMP K
STA 43+00.00 TO STA 54+50.00

SHEET	TOTAL
P 0286	P 1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

LEGEND

- OVERLAY/PLANING
- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

PID: 0450378820
CHARLIES CORNER VENTIRES III LLC
1.44 AC. (AUD.)
2406 & 2420 TAYLOR PARK DR.
COMMERCIAL

PID: 0450378800
TARGET CORPORATION
15.77 AC. (AUD.)
2437 TAYLOR PARK DR.
COMMERCIAL

PID: 0450378210
FCPT GARDEN PROPERTIES LLC
1.49 AC. (AUD.)
2439 TAYLOR SQUARE DR.
COMMERCIAL

PID: 0410467530
SHRI SITARAM INC.
1.12 AC. (AUD.)
1890 WINDERLY LANE
COMMERCIAL

PID: 0410467510
CRACKER BARREL OLD COUNTRY STORE INC.
2.96 AC. (AUD.)
1860 WINDERLY LANE
COMMERCIAL

CITY OF REYNOLDSBURG
CITY OF PICKERINGTON
Ex. LA-R/W
TMP
EX 16" WATER
EX 6" GAS
EX FO
EX STM
℄ CONST RAMP A
℄ CONST RAMP B
℄ CONST RAMP D
℄ CONST RAMP E
℄ CONST RAMP K
℄ CONST & R/W IR 70
℄ CONST & R/W SR 256
END PVMT TAPER LT. +24.87
BEGIN RAMP A & CONC PVMT STA. 57+23.08
REMOVE EX. RAMP PAVEMENT
BEGIN PVMT TAPER LT. +00
+59.6, LON
+31.2, LON
+86.4, LON
+72.5, LON
N72°29'31"E
N05°30'11"W
77°29'42"
STRUCTURE NO. FAI-00070-01.190 L
STRUCTURE NO. FAI-00070-01.190 R
STRUCTURE NO. FAI-00070-01.190
BEGIN APP SLAB STA 62+67.79
BEGIN APP SLAB STA 62+59.12
END APP SLAB RESUME PAVING STA 64+73.83
END APP SLAB STA 64+63.16
PROP BTA MGS TYPE 1
PROP AA MGS TYPE E
PROP BARRIER, TYPE C
15" TYPE A
15" TYPE B
21" TYPE A
24" TYPE A
36" TYPE A
U/G ELEC.
SAW CUT
TBR
END SHIFT RT. & SHLDR TAPER ±45.66*
BEGIN SHIFT RT & SHLDR TAPER +81.03
END PVMT TAPER RT. +67.84*
BEGIN RAMP E & CONC PVMT STA. 55+93.50
BEGIN PVMT TAPER RT. +57.86
END PVMT TAPER RT. +86.27*
BEGIN RAMP D & CONC PVMT STA 66+85.45
MATCH LINE STA. 54+50.00, SEE SHEET P.0284
MATCH LINE STA. 67+00.00, SEE SHEET P.0290

08 STA. 60+00.00, ℄ CONST RAMP D = STA. 59+94.80, 108.00' RT, ℄ CONST & R/W IR 70

09 STA. 64+80.85, ℄ CONST RAMP A = STA. 28+33.41, ℄ CONST & R/W SR 256

10 STA. 64+09.09, ℄ CONST RAMP B = STA. 28+25.00, ℄ CONST & R/W SR 256

12 STA. 63+63.49, ℄ CONST & R/W IR 70 = STA. 24+99.69, ℄ CONST & R/W SR 256

13 STA. 63+50.82, ℄ CONST RAMP K = STA. 24+13.81, ℄ CONST & R/W SR 256

14 STA. 43+45.51, ℄ CONST RAMP D = STA. 23+88.25, ℄ CONST & R/W SR 256

NOTES:
* - DENOTES STATION FROM RAMP K

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 54+50.00TO STA. 67+00.00

FAI/LIC-IR 70-0.00/0.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0287 TOTAL P.1556

MODEL: CLP_I070 - Plan 6 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:29:11 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:29:33 PM USER: brieder
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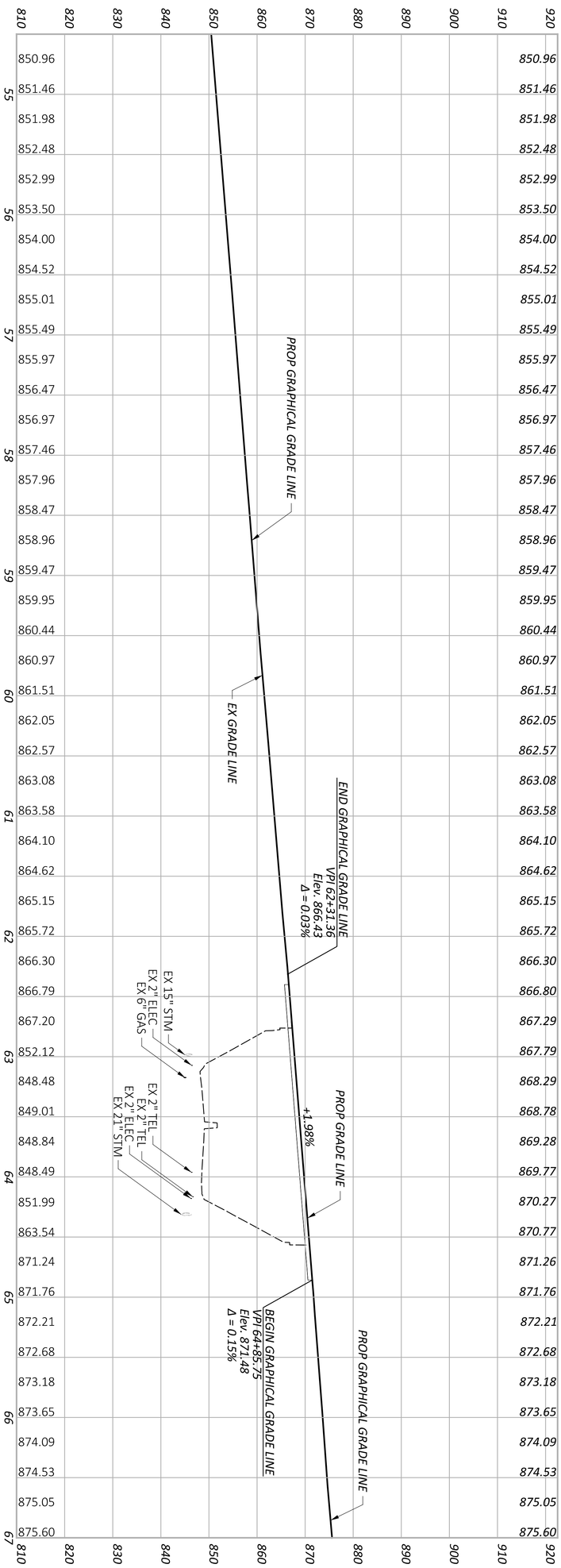
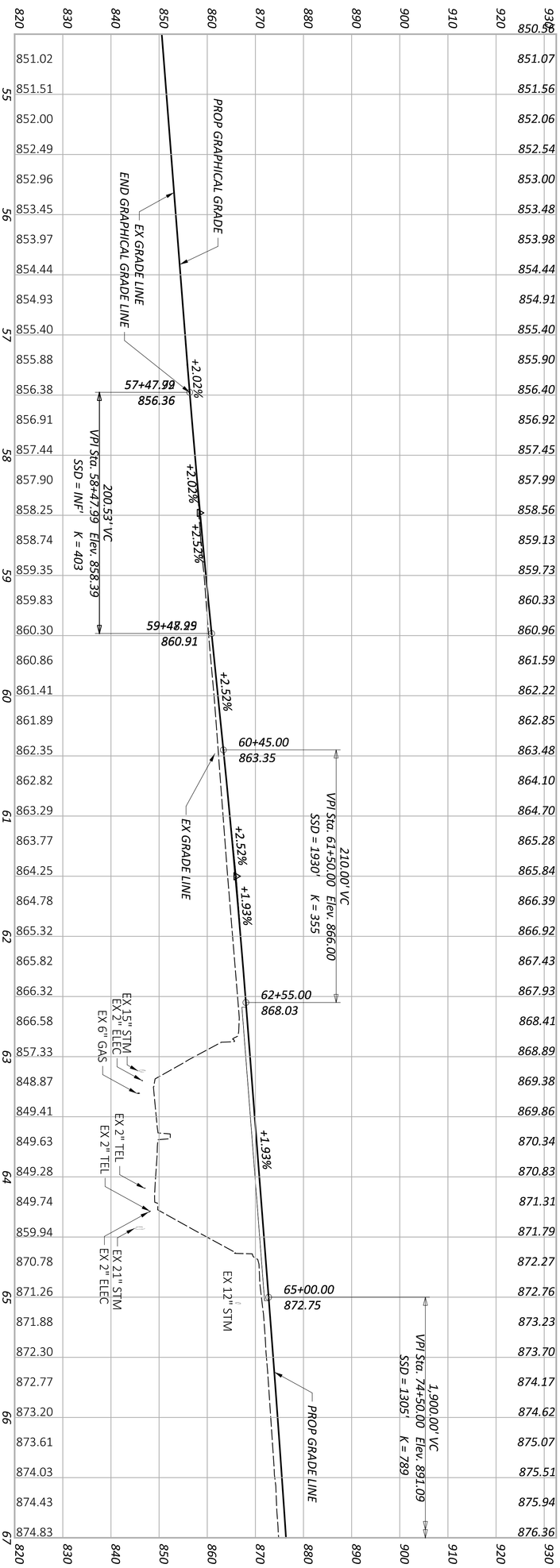


IR 70 EB



IR 70 WB

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0288	P.1556	96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 54+50.00TO STA. 67+00.00

MODEL: RAMP K - PROFILE 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:29:47 PM USER: brieder
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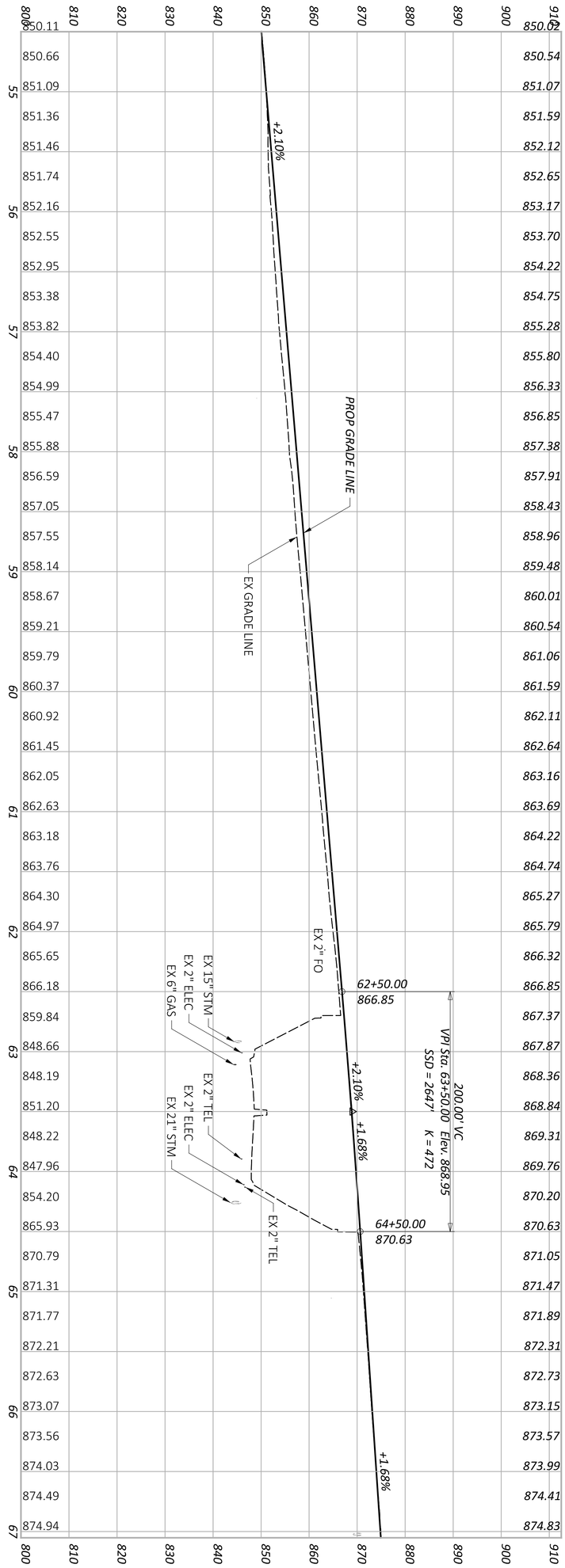
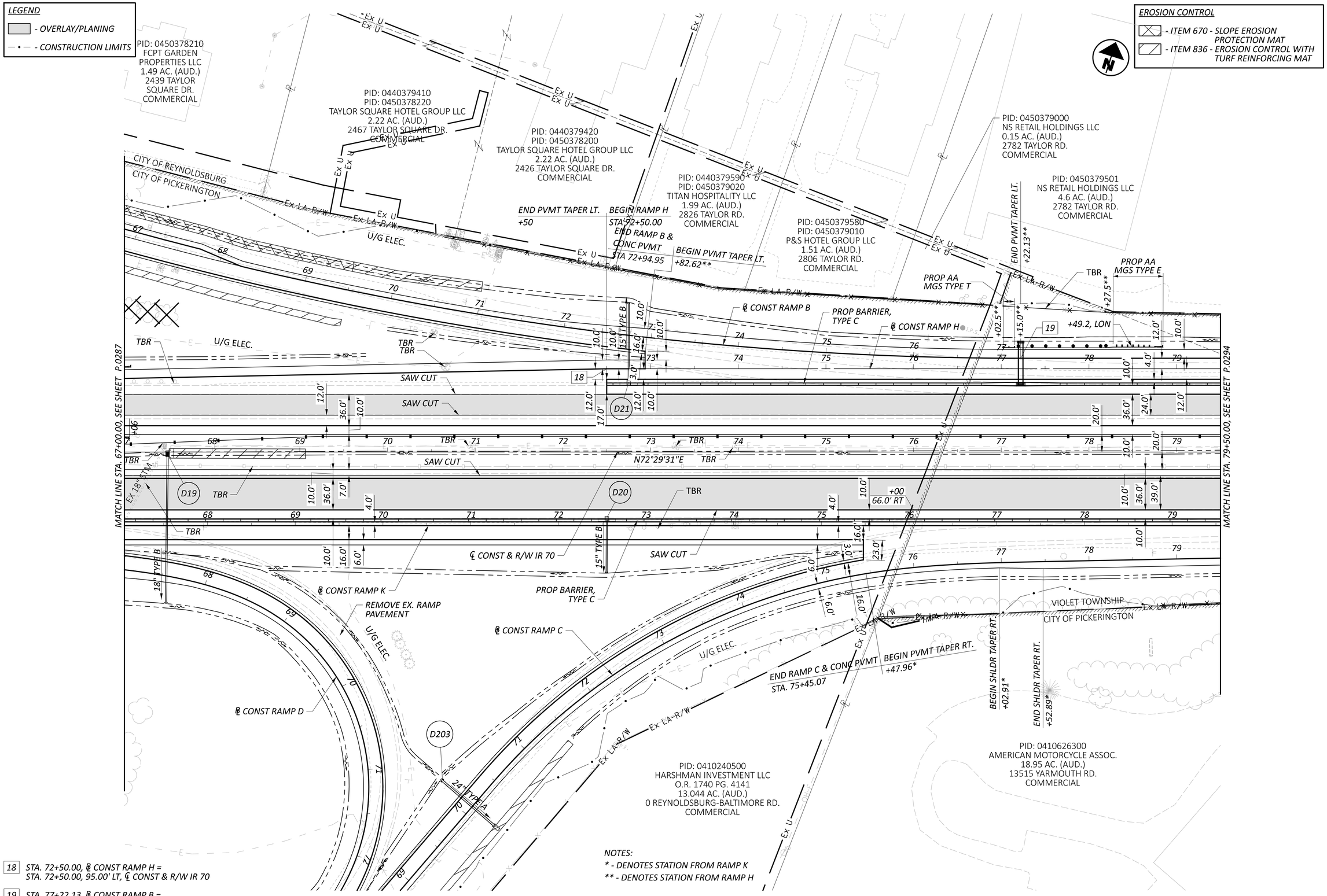


PROFILE - RAMP K
STA 54+50.00 TO STA 67+05.20

DESIGN AGENCY	DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
AMERICAN STRUCTUREPOINT INC.	XXX	XXX MM-DD-YY	96808	P 0289	P 1556



18 STA. 72+50.00, ℄ CONST RAMP H = STA. 72+50.00, 95.00' LT, ℄ CONST & R/W IR 70

19 STA. 77+22.13, ℄ CONST RAMP B = STA. 77+22.13, 107.00' LT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET 0 25 50 100

PLAN SHEET - IR 70
STA. 67+00.00 TO STA. 79+50.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0290 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 7 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:30:05 PM USER: brieder
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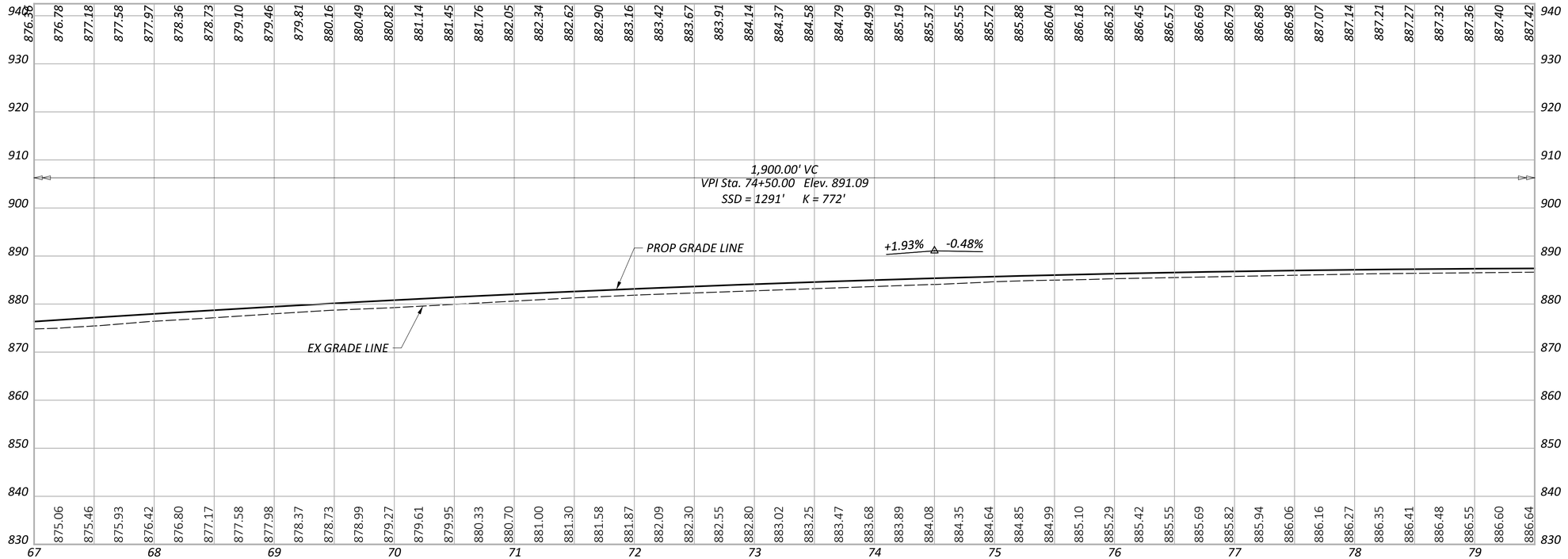

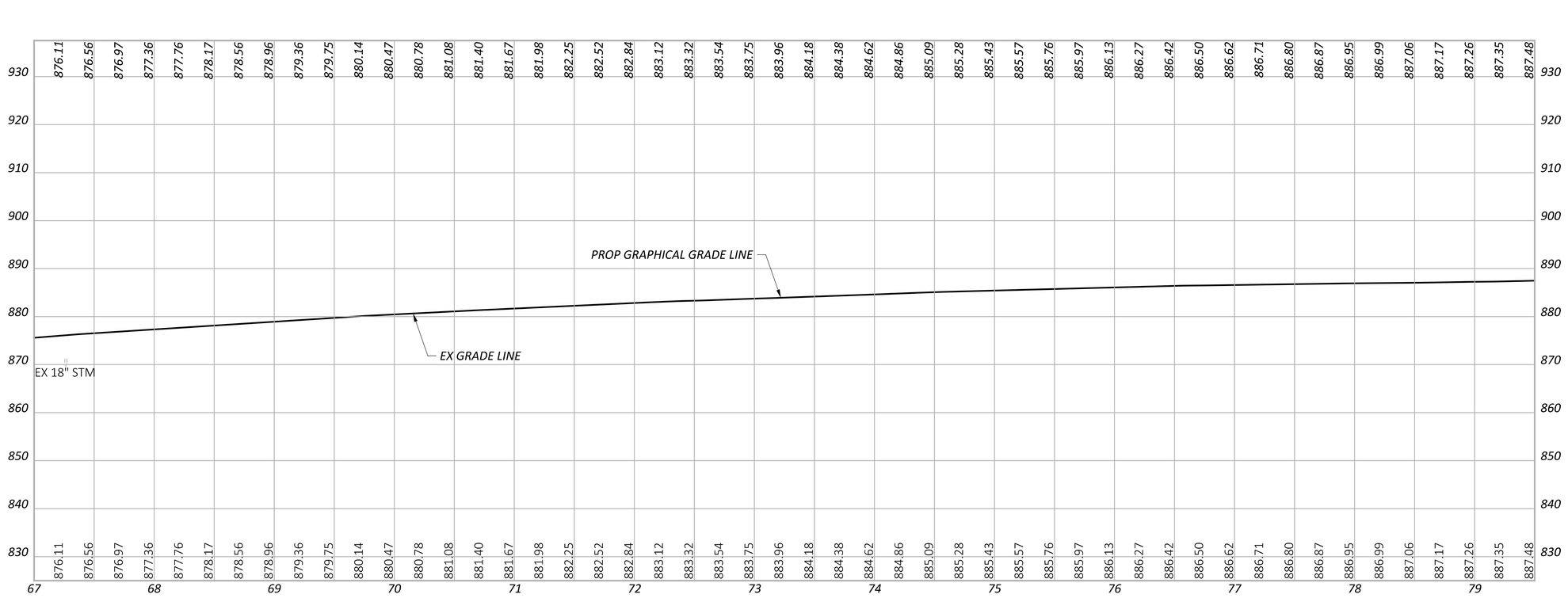

PROFILE - IR 70
STA. 67+00.00 TO STA. 79+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:30:26 PM USER: brieder
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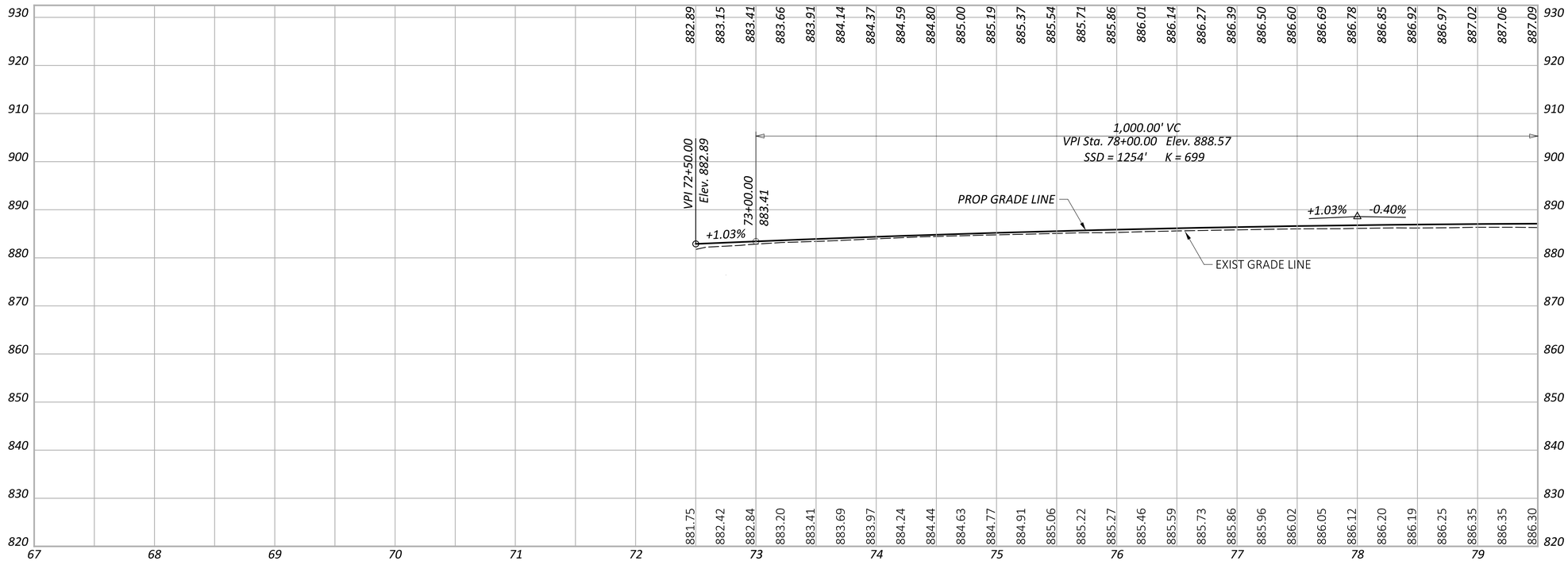
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0291 TOTAL P.1556



PROFILE - RAMP H
STA 72+50.00 TO STA 79+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: RAMP H - PROFILE 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:30:39 PM USER: brieder
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.0292 TOTAL P.1556

MODEL: RAMP K - PROFILE 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:30:51 PM USER: brieder
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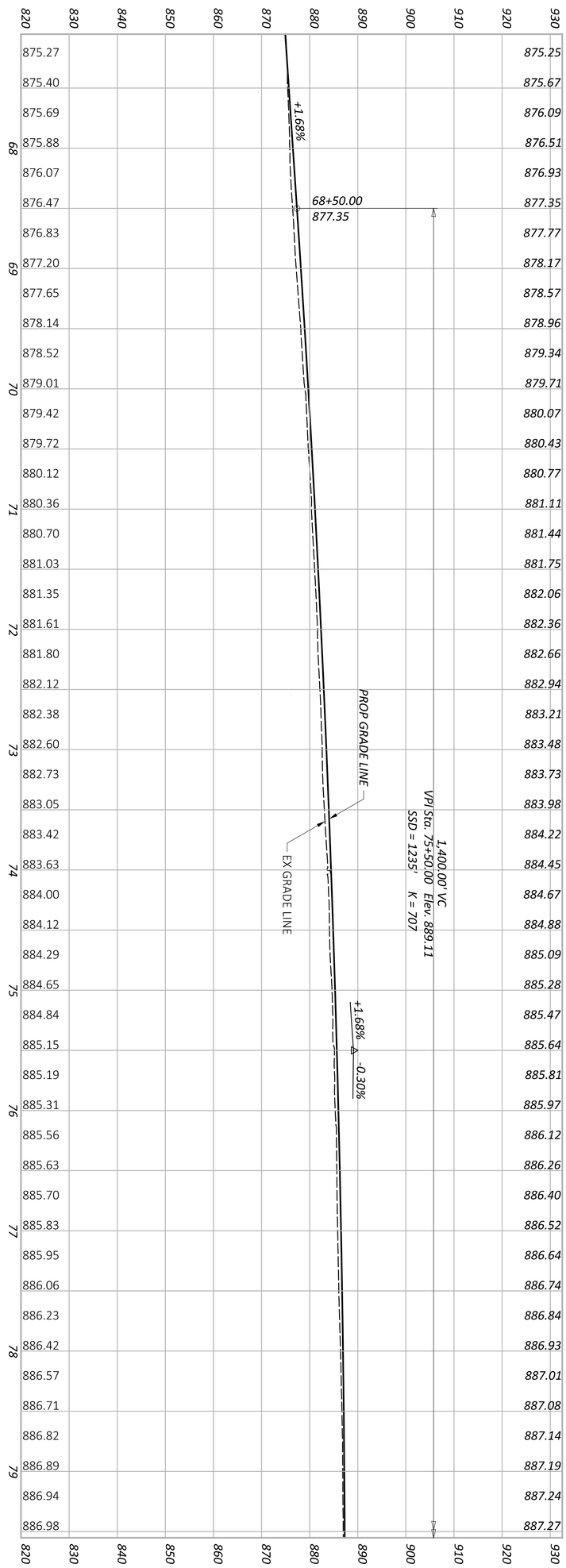

SHEET P.0293 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY

PROFILE - RAMP K
STA 67+05.20 TO STA 79+55.20

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:31:09 PM USER: brieder
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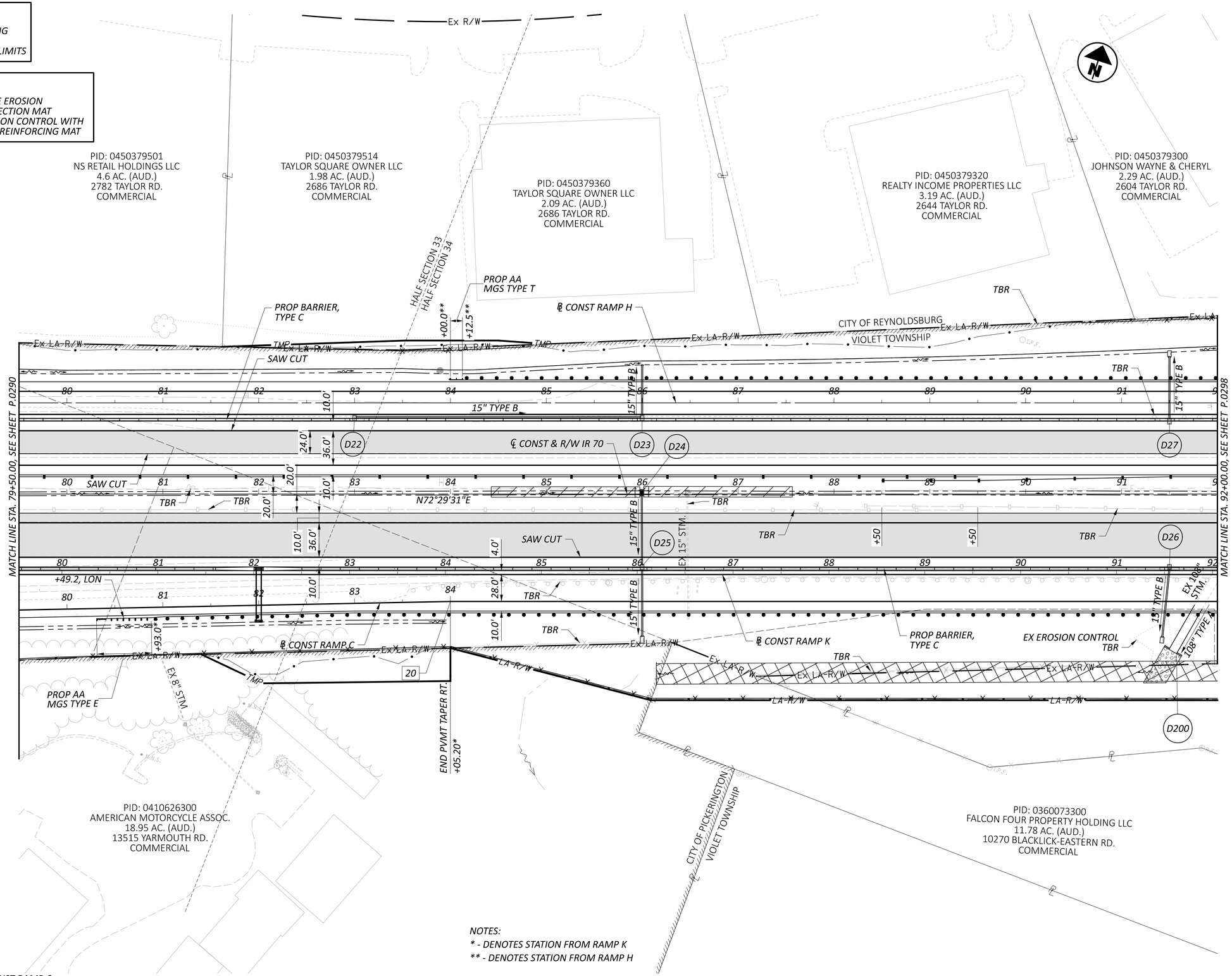
LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



NOTES:
* - DENOTES STATION FROM RAMP K
** - DENOTES STATION FROM RAMP H

20 STA. 84+00.00, ℄ CONST RAMP C =
STA. 84+00.00, 112.00' RT, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA.79+50.00 TO STA. 92+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET / TOTAL	P.0294 / P.1556

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:31:29 PM USER: brieder
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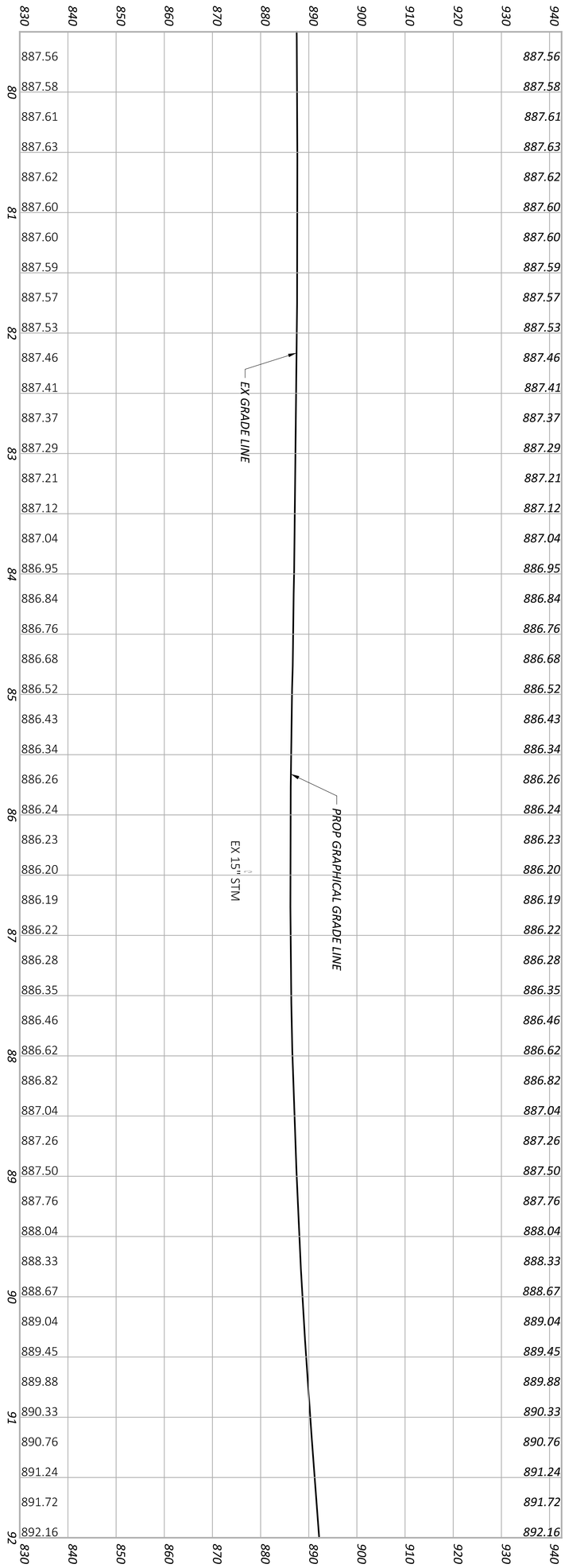
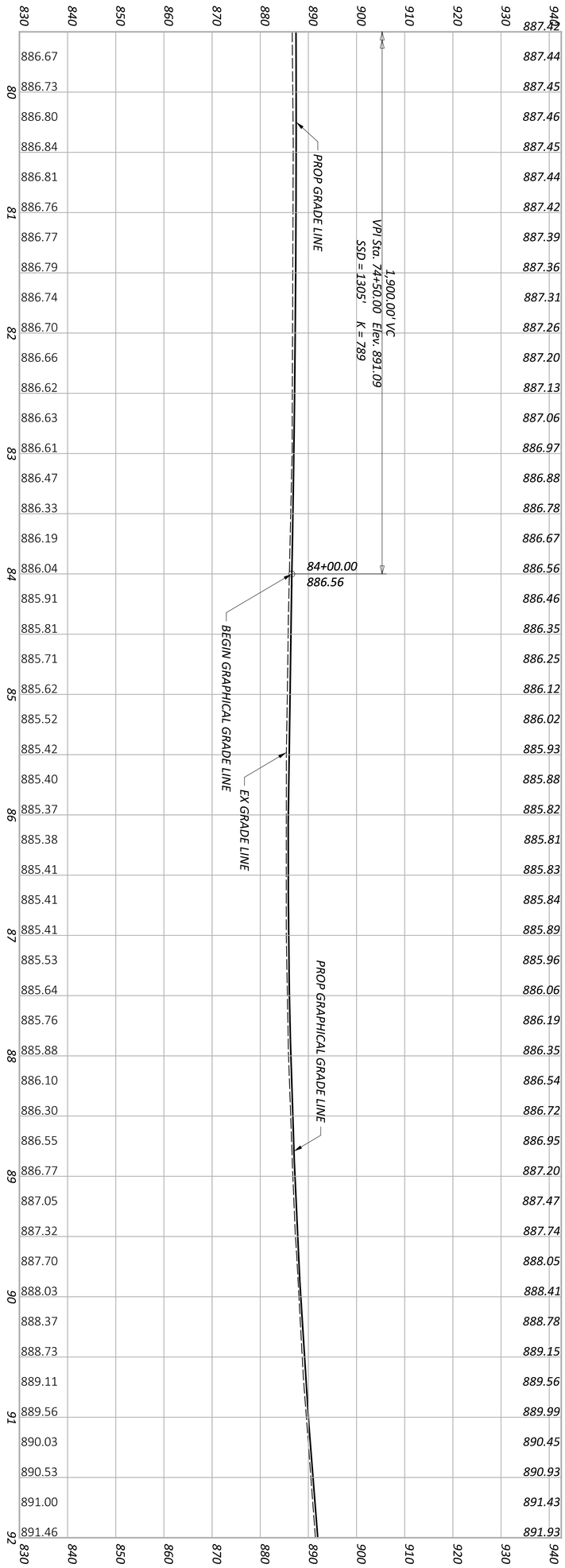


IR 70 EB

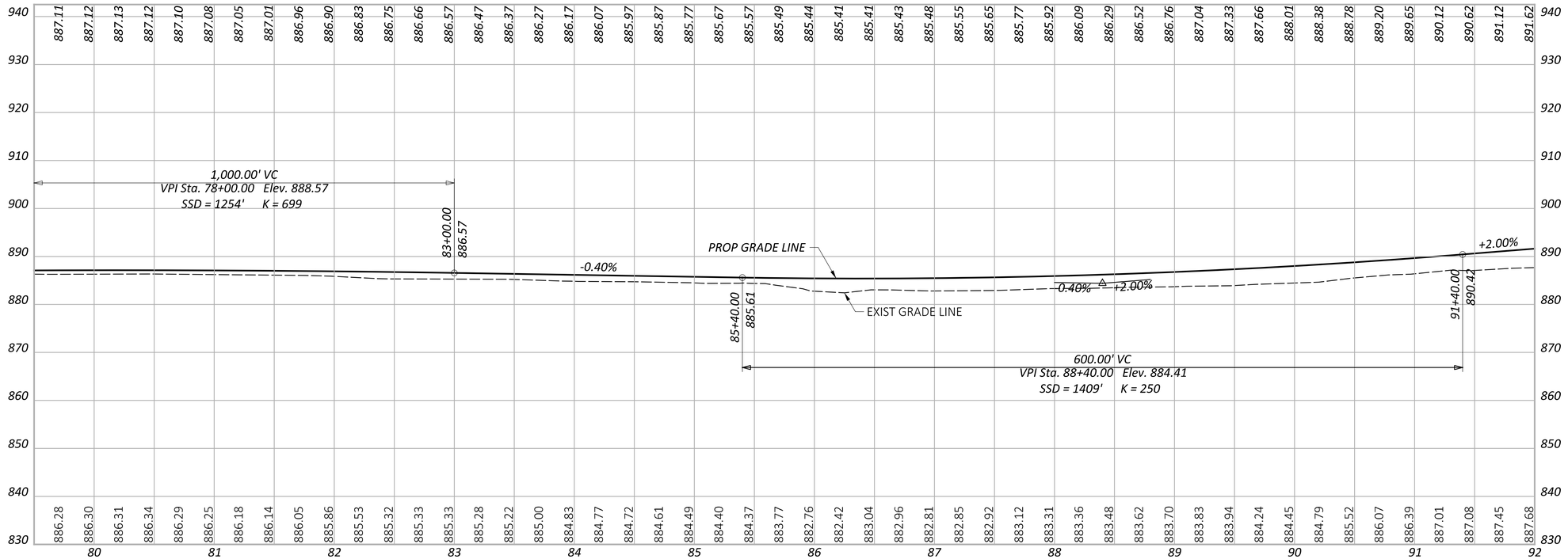


IR 70 WB

SHEET	TOTAL
P 0295	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA.79+50.00 TO STA. 92+00.00



PROFILE - RAMP H
STA 79+50.00 TO STA 92+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: RAMP H - PROFILE 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:31:43 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.0296 TOTAL P.1556

MODEL: RAMP K - PROFILE 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:31:54 PM USER: brieder
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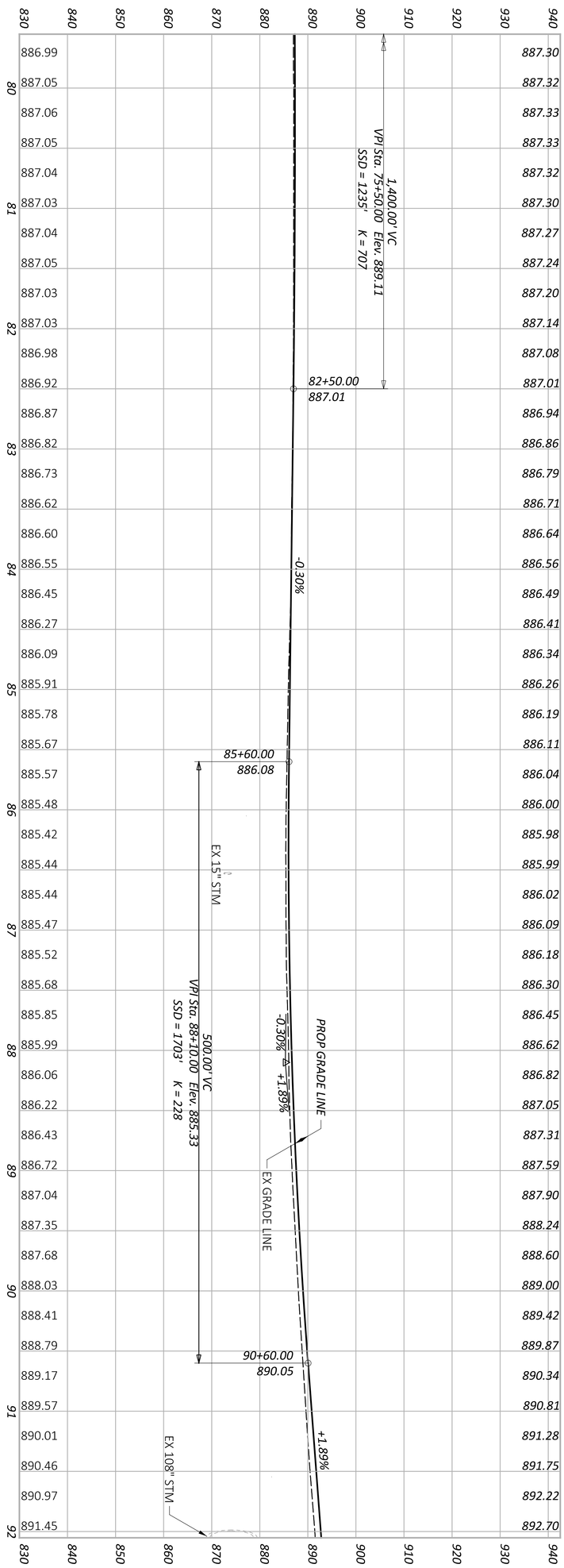


PROFILE - RAMP K
STA 79+55.20 TO STA 92+05.20

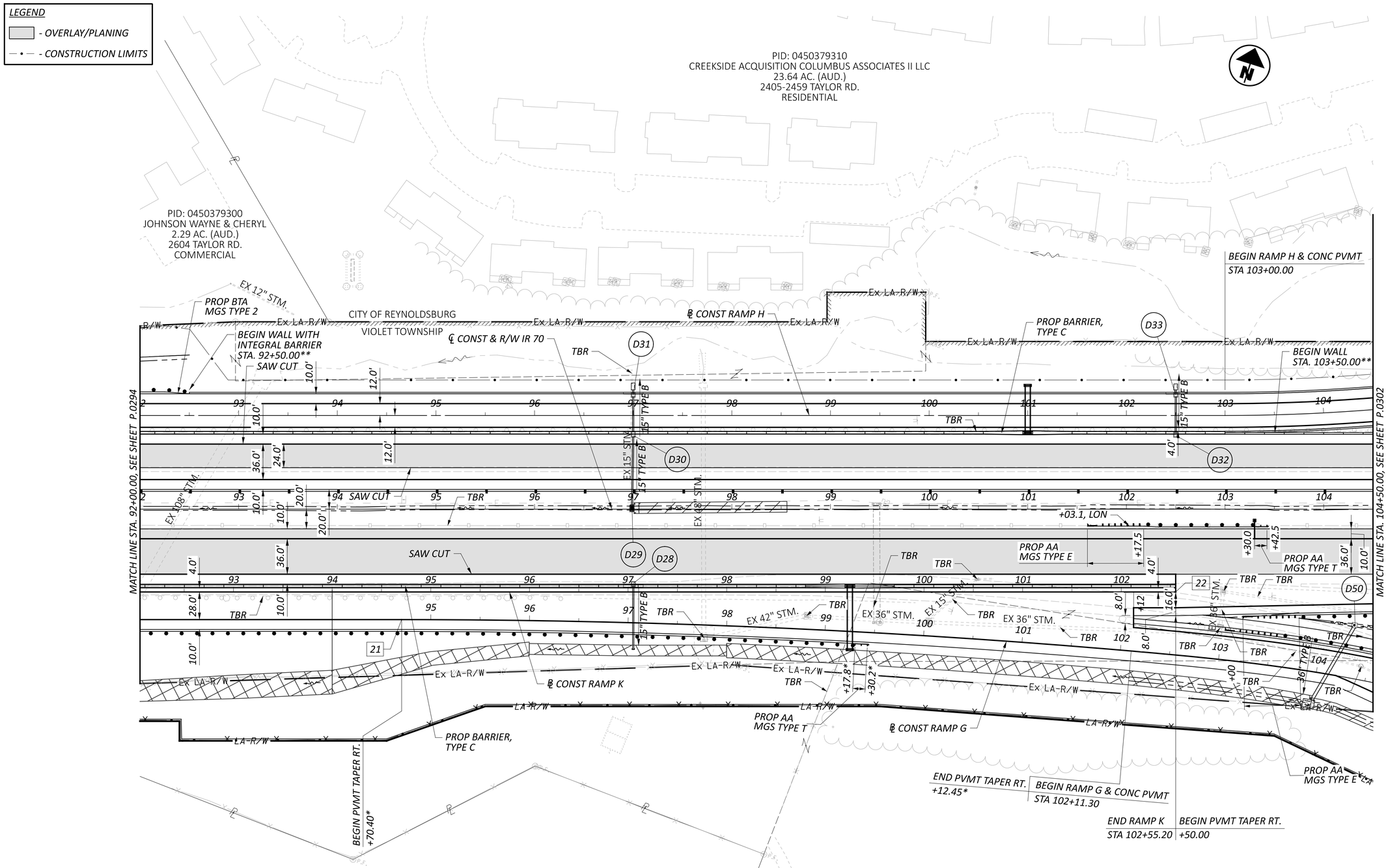
SHEET	TOTAL
P 0297	P 1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.



EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

21 STA. 94+70.40, ℄ CONST RAMP G = STA. 94+65.20, 112.00' RT, ℄ CONST & R/W IR 70

22 STA. 102+55.20, ℄ CONST RAMP K = STA. 102+50.00, 84.00' RT, ℄ CONST & R/W IR 70

NOTES:
* - DENOTES STATION FROM RAMP K
** - DENOTES STATION FROM RAMP H

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 92+00.00 TO STA. 104+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0298 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 9 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:32:11 PM USER: brieder
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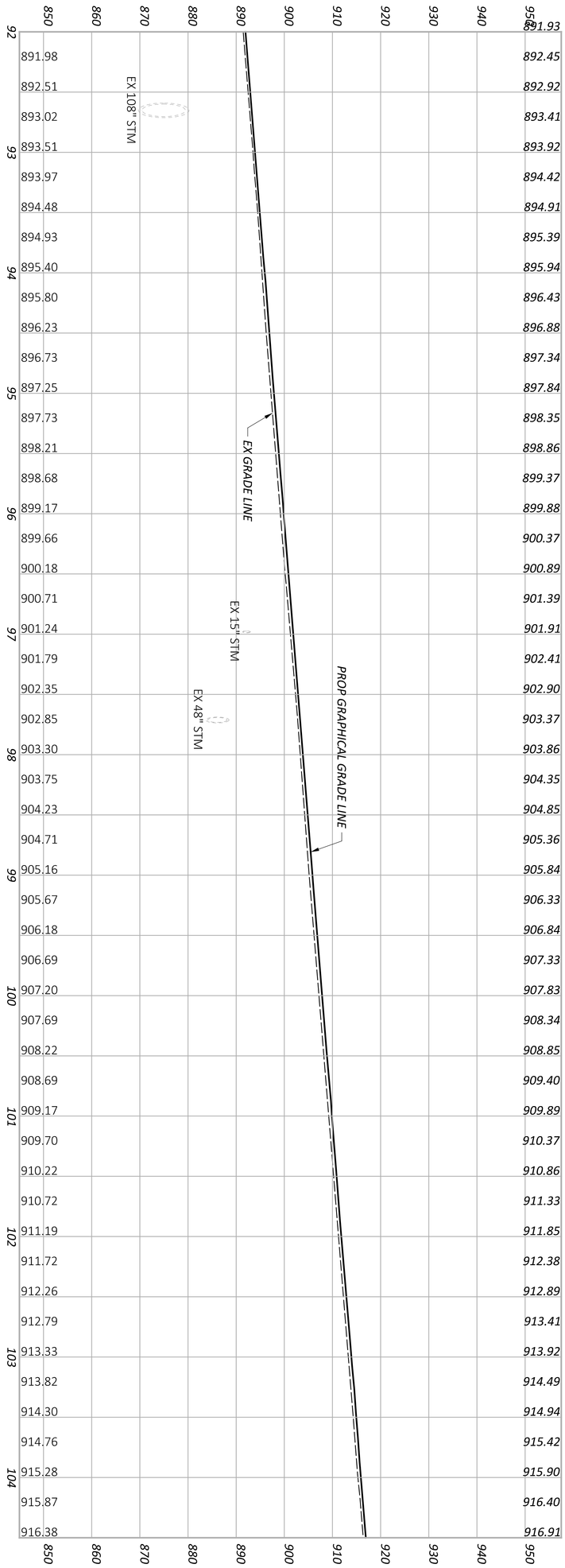
IR 70 EB



IR 70 WB

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P 0299	P 1556	96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 92+00.00 TO STA. 104+50.00

MODEL: RAMP H - PROFILE 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:32:47 PM USER: brieder
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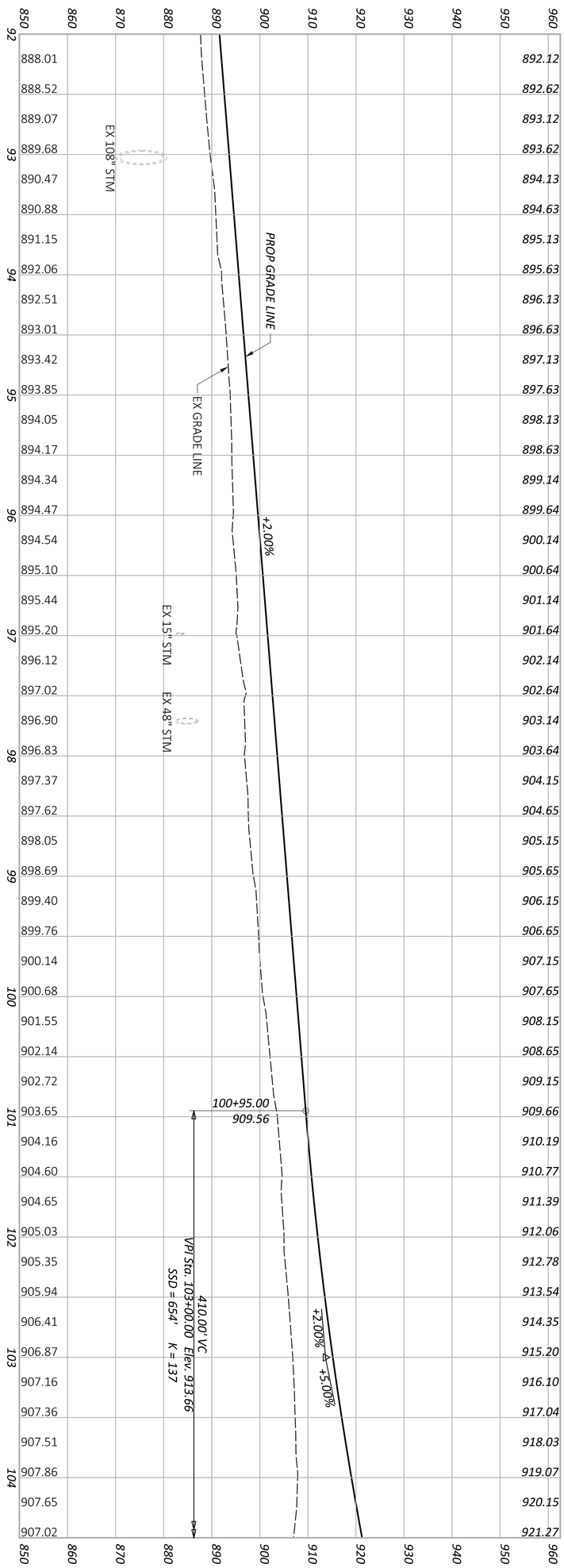

PROFILE - RAMP H
STA 92+00.00 TO STA 103+00.00

SHEET	TOTAL
P 0300	P 1556

PROJECT ID: 96808

XXX MM-DD-YY

REVIEWER: XXX

DESIGNER: XXX

AMERICAN STRUCTUREPOINT INC.

DESIGN AGENCY

MODEL: RAMP K - PROFILE 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:32:58 PM USER: brieder
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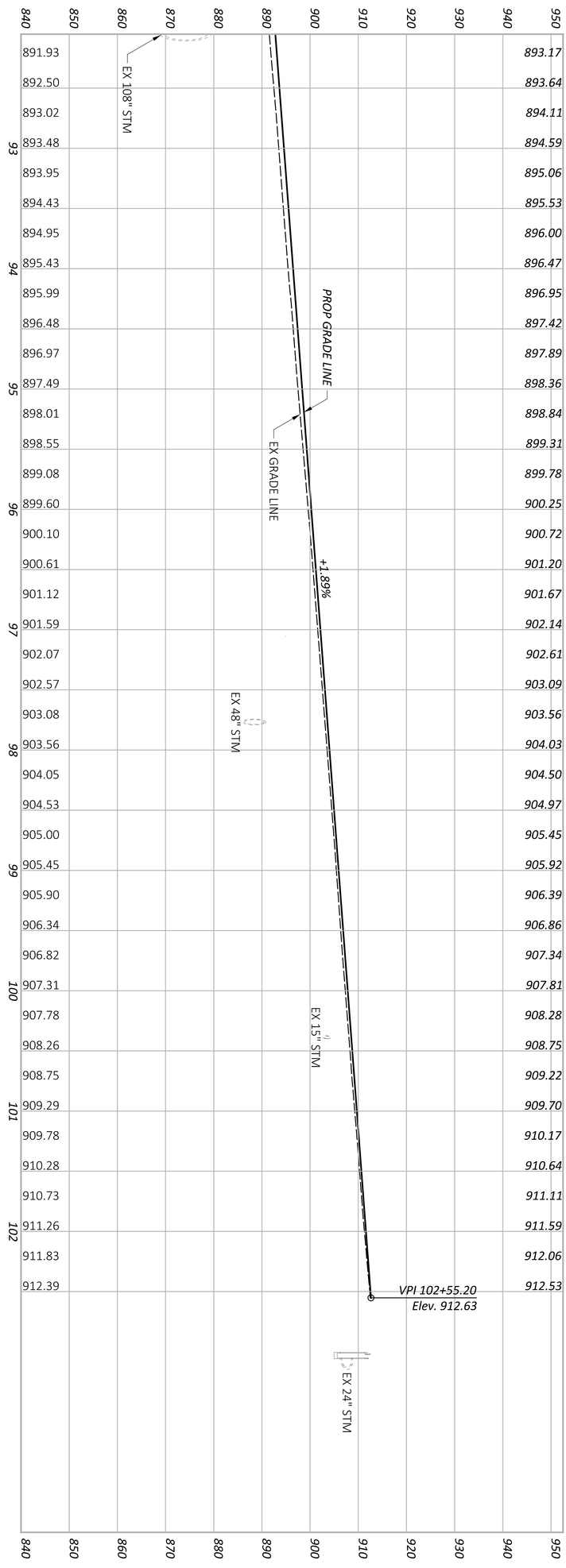


SHEET P.0301 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC.	DESIGN AGENCY

PROFILE - RAMP K
STA 92+05.20 TO STA 102+55.20

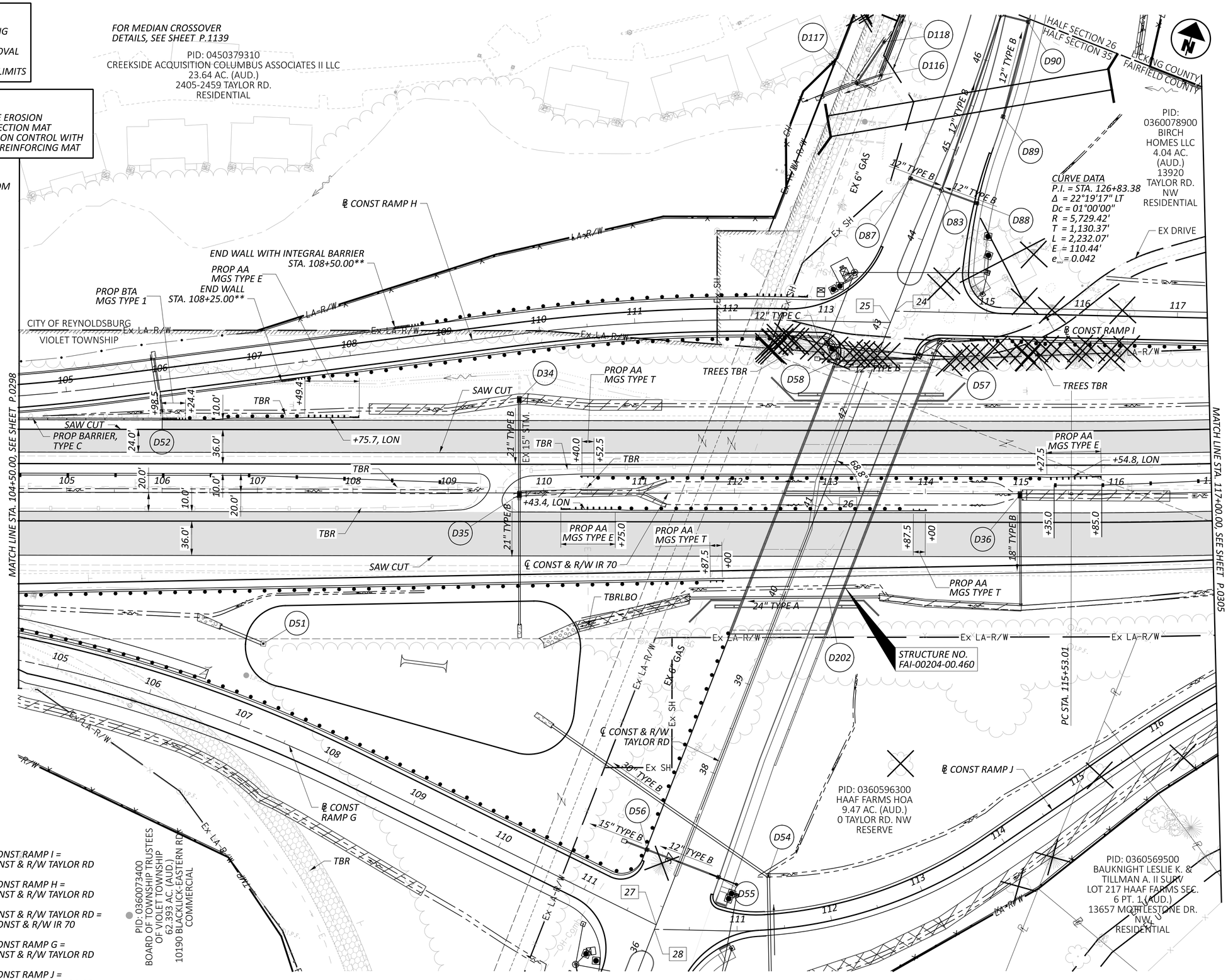
LEGEND

- OVERLAY/PLANING
- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

NOTES:
** - DENOTES STATION FROM RAMP H



24 STA. 114+03.78, ℄ CONST RAMP I = STA. 43+20.00, ℄ CONST & R/W TAYLOR RD

25 STA. 113+68.11, ℄ CONST RAMP H = STA. 43+07.23, ℄ CONST & R/W TAYLOR RD

26 STA. 41+15.09, ℄ CONST & R/W TAYLOR RD = STA. 112+93.76, ℄ CONST & R/W IR 70

27 STA. 111+84.30, ℄ CONST RAMP G = STA. 36+30.00, ℄ CONST & R/W TAYLOR RD

28 STA. 110+13.40, ℄ CONST RAMP J = STA. 36+25.00, ℄ CONST & R/W TAYLOR RD

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 104+50.00 TO STA. 117+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0302 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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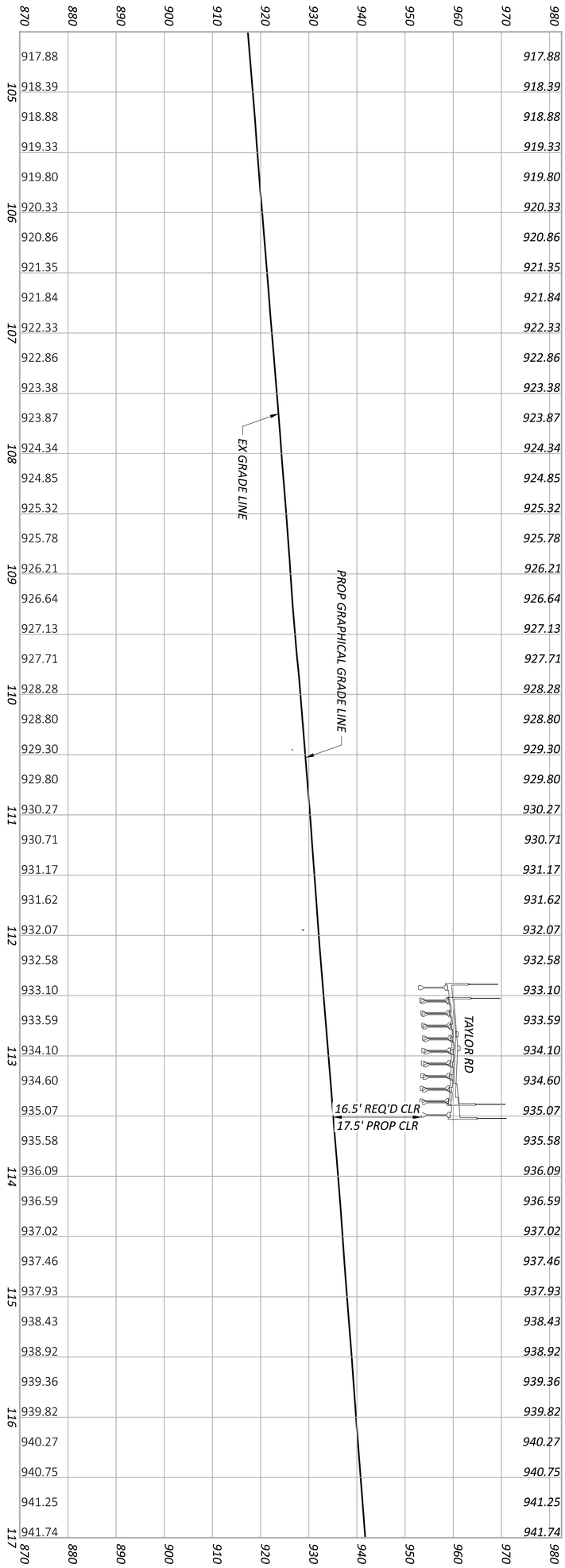
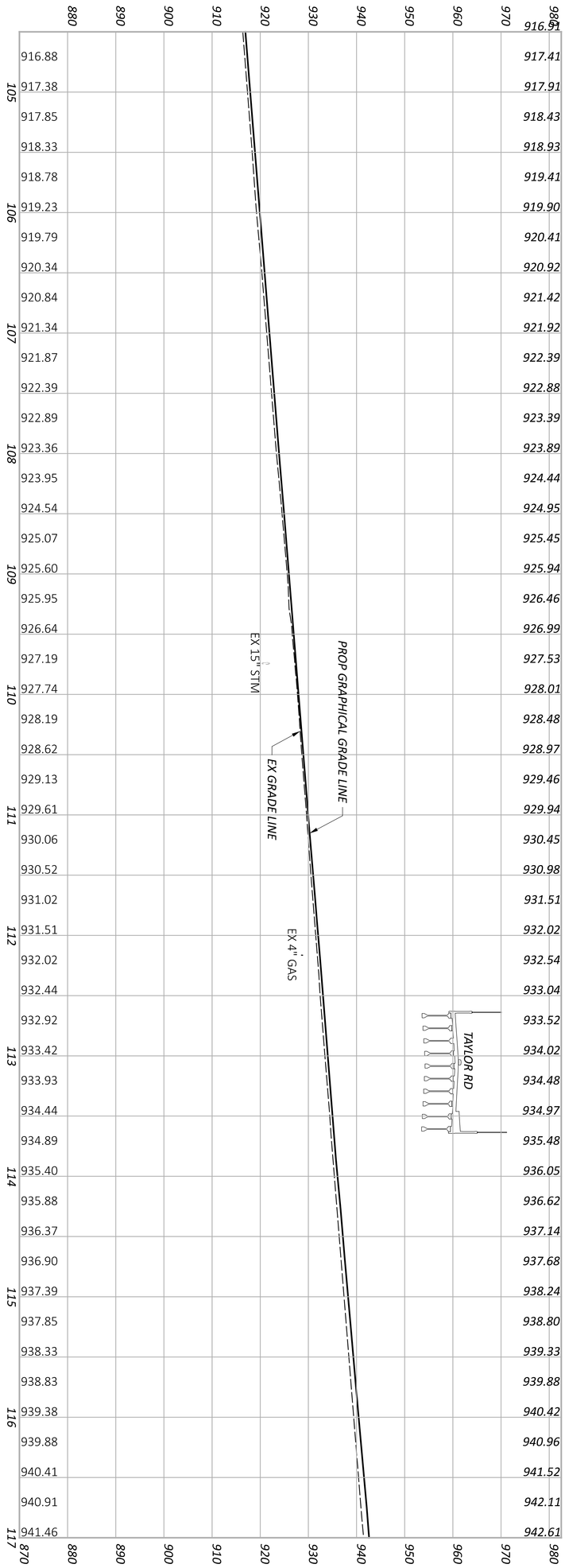


IR 70 EB



IR 70 WB

SHEET	TOTAL
P 0303	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 104+50.00 TO STA. 117+00.00

MODEL: RAMP H - PROFILE 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:33:56 PM USER: brieder
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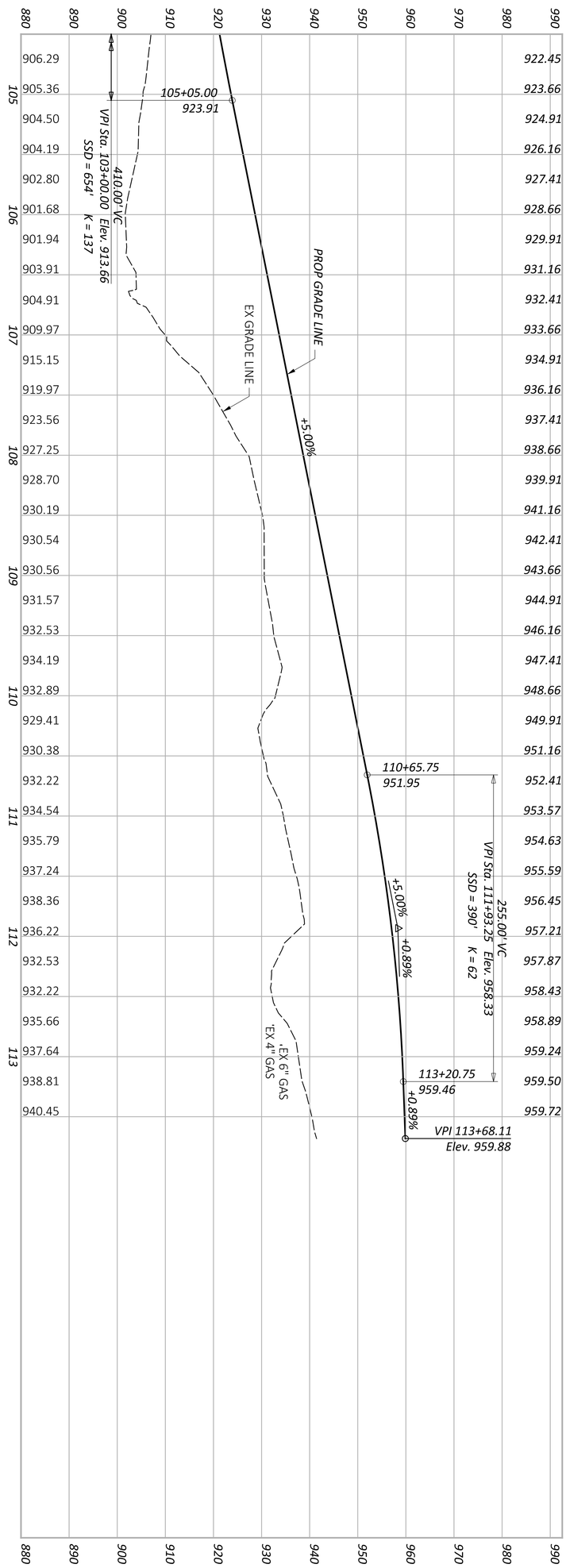

SHEET P.0304 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC.	DESIGN AGENCY

PROFILE - RAMP H
STA 104+50.00 TO STA 113+68.11

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

HORIZONTAL SCALE IN FEET
0 25 50 100

PID: 0360078900 BIRCH HOMES LLC 4.04 AC. (AUD.) 13920 TAYLOR RD. NW RESIDENTIAL

PID: 012-027450-00.000 CARROLL BROWN 13.52 AC. (AUD.) TAYLOR RD. SW RESIDENTIAL

PID: 012-027450-01.000 CARROLL BROWN 0.80 AC. (AUD.) 10571 TAYLOR RD. SW RESIDENTIAL

PID: 010-017448-00.000 CARROLL BROWN 14.00 AC. (AUD.) TAYLOR RD. SW RESIDENTIAL

CURVE DATA
P.I. = STA. 126+83.38
Δ = 22°19'17" LT
Dc = 01°00'00"
R = 5,729.42'
T = 1,130.37'
L = 2,232.07'
E = 110.44'
e_{sup} = 0.042
P.C. = STA. 115+53.01
P.T. = STA. 137+85.08

R/W
HALF SECTION 26
HALF SECTION 35
LICKING COUNTY
FAIRFIELD COUNTY
EX DRIVE
℄ CONST RAMP I
℄ CONST RAMP J
END RAMP I & CONC PVMT STA 125+02.30
BEGIN PVMT TAPER LT. +85.56
D37
PROP AA MGS TYPE T
PROP AA MGS TYPE E
SAW CUT
TBR
Ex LA-R/W
Ex U
Ex SW
Ex R/W
MATCH LINE STA. 117+00.00, SEE SHEET P.0302
MATCH LINE STA. 129+50.00, SEE SHEET P.0307
STA 119+42.77
END RAMP J & CONC PVMT STA. 120+44.38
BEGIN PVMT TAPER RT. +45.96
+10, LON
+28.8, LON
+01.57, LON
BEGIN SHLDR TAPER RT. +49.94
END PVMT & SHLDR TAPER RT. +46.98
BEGIN SHLDR TAPER RT. +91.13
END SHLDR TAPER RT. +40.28
24" TYPE B
18" STM
D38
℄ CONST & R/W IR 70
LICKING COUNTY
FAIRFIELD COUNTY

PID: 0360569600 PHOMMASATHIT THOMAS B. & BOUNTHANA LOT 218 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13677 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360569700 BURROUGHS DAVID F. & DAWN E. LOT 219 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13693 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360569800 GOSA DUANE LOT 220 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13711 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360569900 POWELL DAVID A. LOT 221 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13725 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360570000 LOUIS-CHARLES WAGNER & ALISHARIM K. LOT 222 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13743 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360570100 TENNANT JEFFREY L. & RENE L. LOT 223 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13761 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360570200 TUTEN MELVIN E. & TIFFANT E. LOT 224 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13779 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360570300 MORTON NEAL L. & CHRISTINE D. LOT 225 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13791 MOTTLESTONE DR. NW RESIDENTIAL

PID: 0360570400 JACKSON THERESA J. & JOE H. LOT 226 HAAF FARMS SEC. 6 PT. 1 (AUD.) 13803 MOTTLESTONE DR. NW RESIDENTIAL

32 STA. 122+60.00, ℄ CONST RAMP J = STA. 122+60.00, 91.00' RT, ℄ CONST & R/W IR 70

PLAN SHEET - IR 70
STA. 117+00.00 TO STA. 129+50.00

DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER: BER
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0305 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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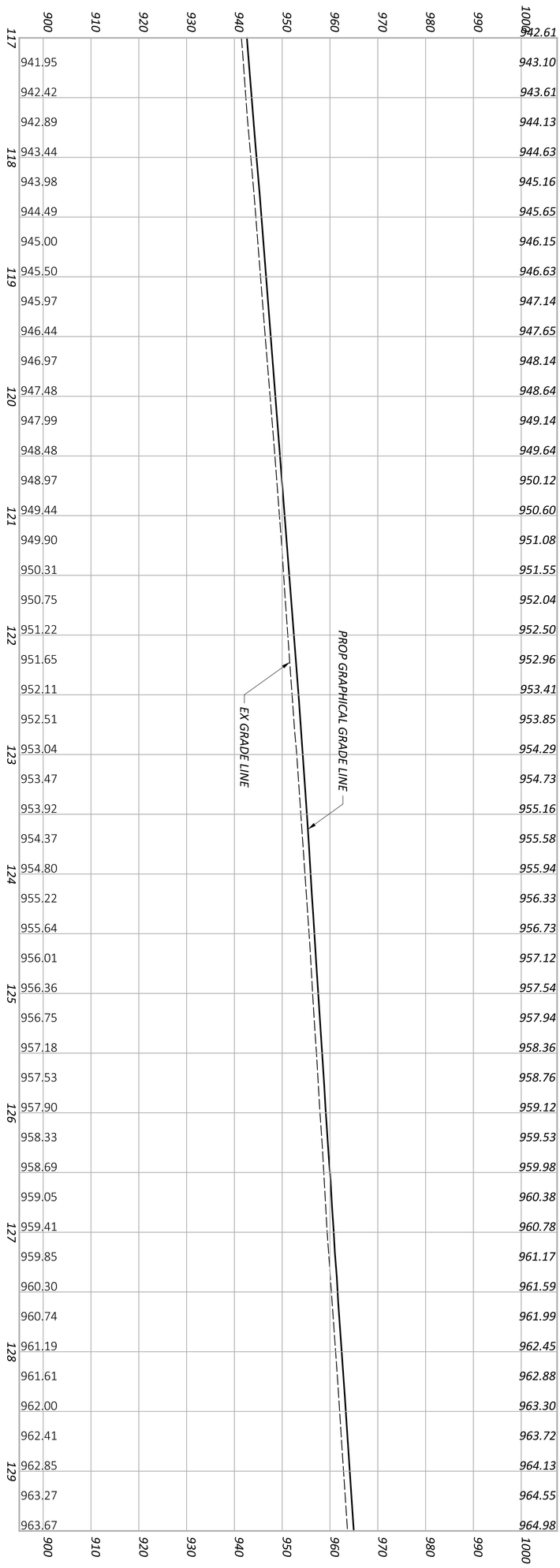

IR 70 WB

SHEET	TOTAL
P 0306	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 117+00.00 TO STA. 129+50.00

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

HORIZONTAL SCALE IN FEET
0 25 50 100

CURVE DATA
P.I. = STA. 126+83.38
Δ = 22°19'17" LT
Dc = 01°00'00"
R = 5,729.42'
T = 1,130.37'
L = 2,232.07'
E = 110.44'
e_{max} = 0.042
P.C. = STA. 115+53.01

PID: 010-017448-00.000
CARROLL BROWN
14.00 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

PID: 012-027450-00.000
CARROLL BROWN
13.52 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

PID: 010-016752-00.001
ETNA TOWNSHIP
8.61 AC. (AUD.)
RESERVE "A"
THE PRESERVE AT HAAF FARMS
SUNLADEN DR. SW
RESIDENTIAL

MATCH LINE STA. 129+50.00, SEE SHEET P.0305

MATCH LINE STA. 142+00.00, SEE SHEET P.0309

PROP AA MGS TYPE E

℄ CONST RAMP I

BEGIN PVMT & SHLDR TAPER LT. +00

END PVMT & SHLDR TAPER LT. +00

PT STA. 137+85.08

DND

D39

EX 24" STM.

TBR

PROP AA MGS TYPE T

SAW CUT

+28.9, LON

+12.6

+62.5

+50

+70

N50°10'14"E

℄ CONST & R/W IR 70

BEGIN SHLDR TAPER RT. +10.36

END PVMT & SHLDR TAPER RT. +10.00

LICKING COUNTY
FAIRFIELD COUNTY

Ex LA-R/W

Ex U

33 STA. 136+00.00, ℄ CONST RAMP I =
STA. 136+00.00, 78.00' LT, ℄ CONST & R/W IR 70

PLAN SHEET - IR 70
STA. 129+50.00 TO STA. 142+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0307 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

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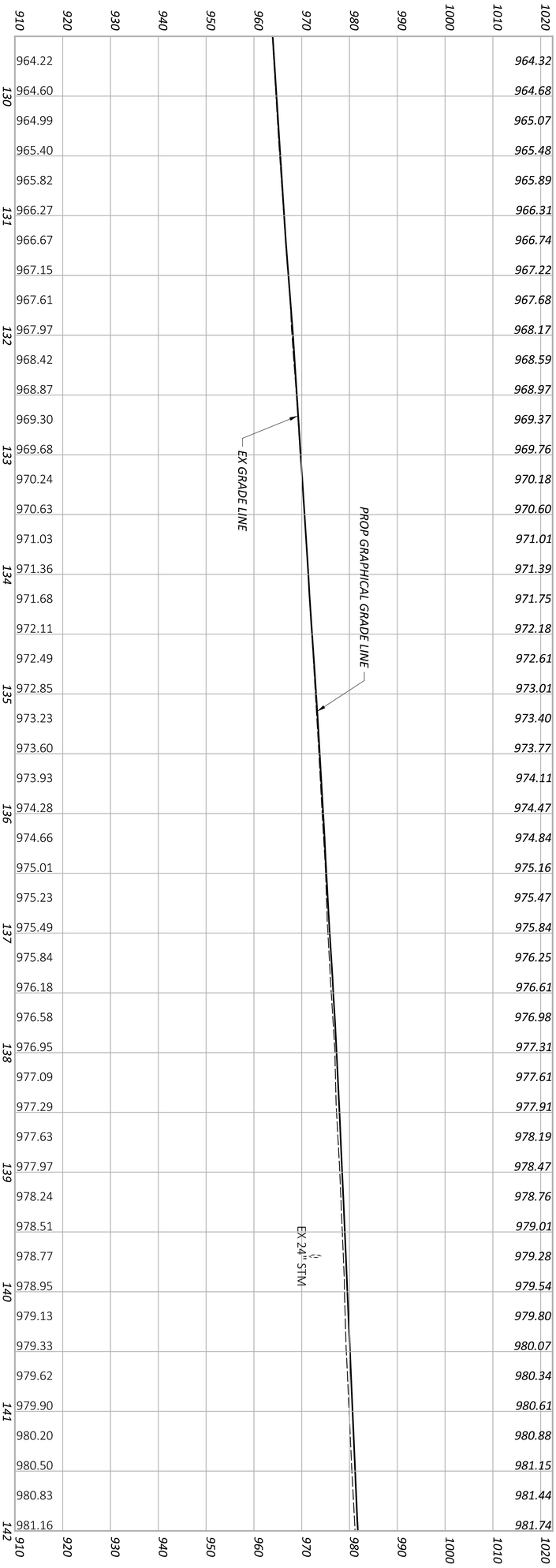
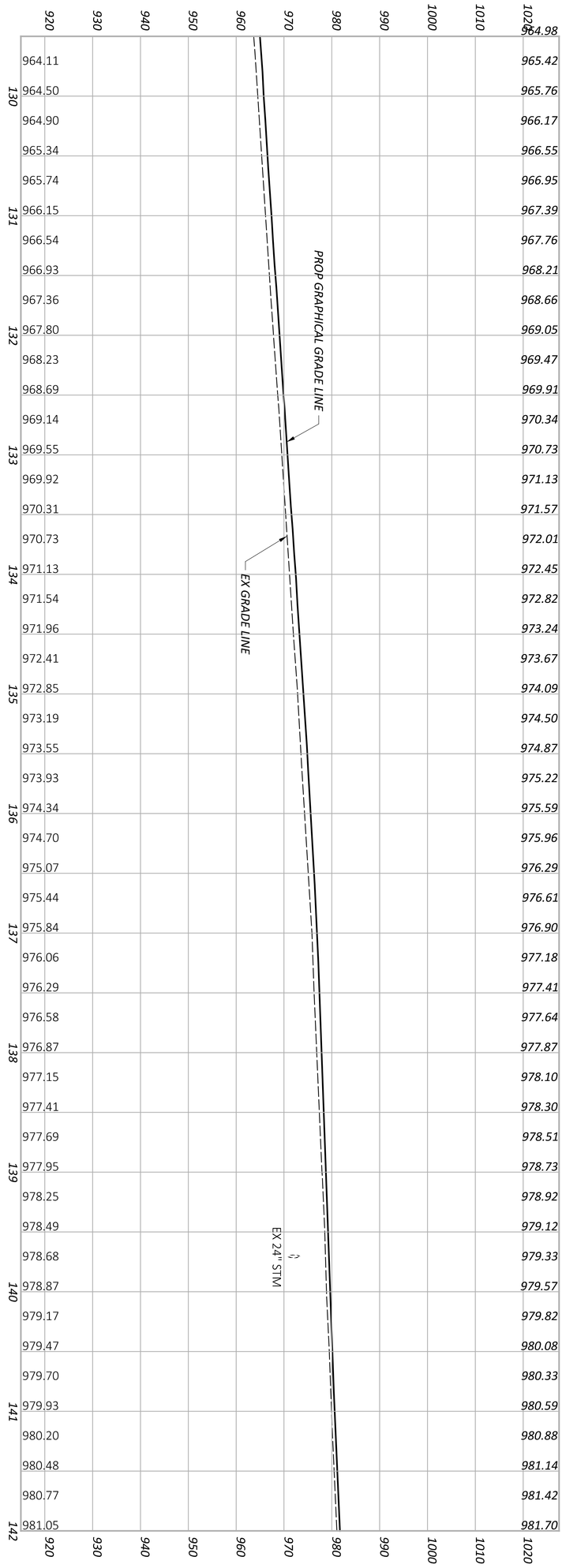


IR 70 EB

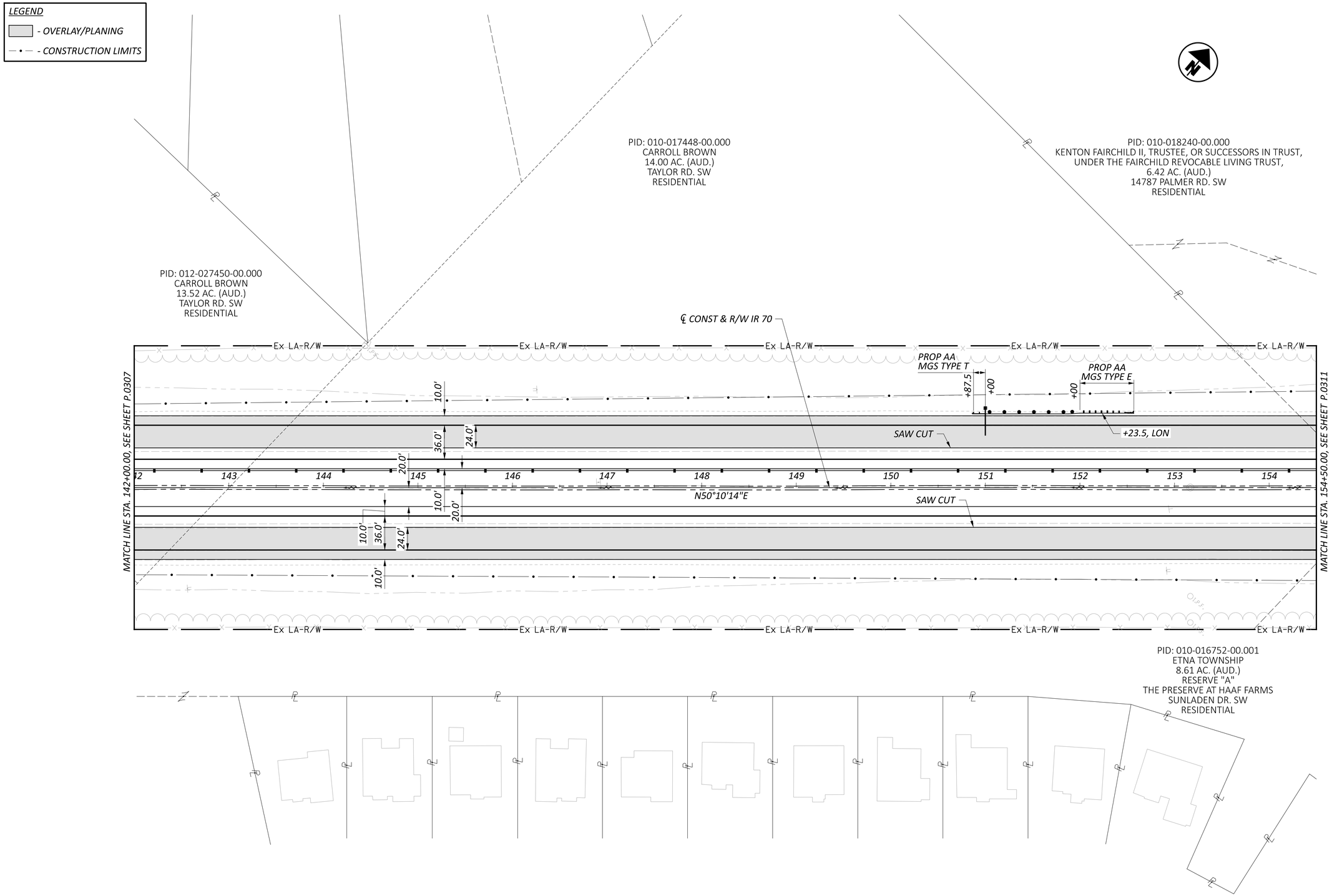


IR 70 WB

SHEET	TOTAL
P 0308	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 129+50.00 TO STA. 142+00.00



HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 142+00.00 TO STA. 154+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0309 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 13 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:35:26 PM USER: brieder
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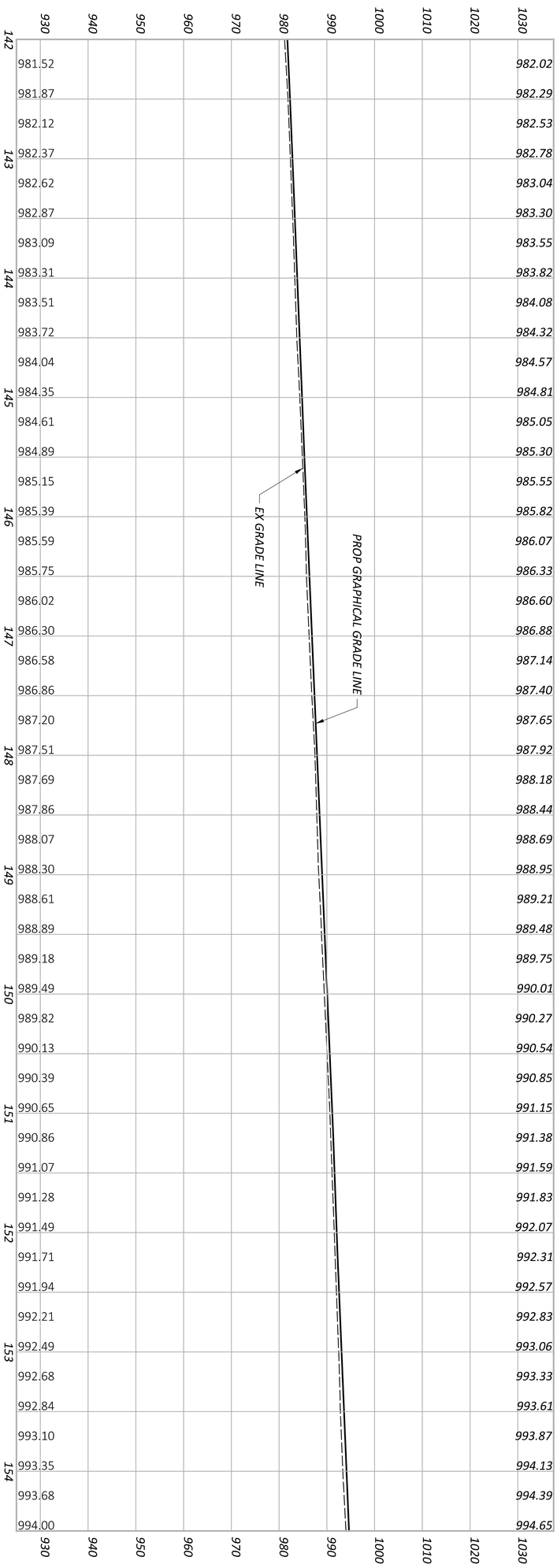
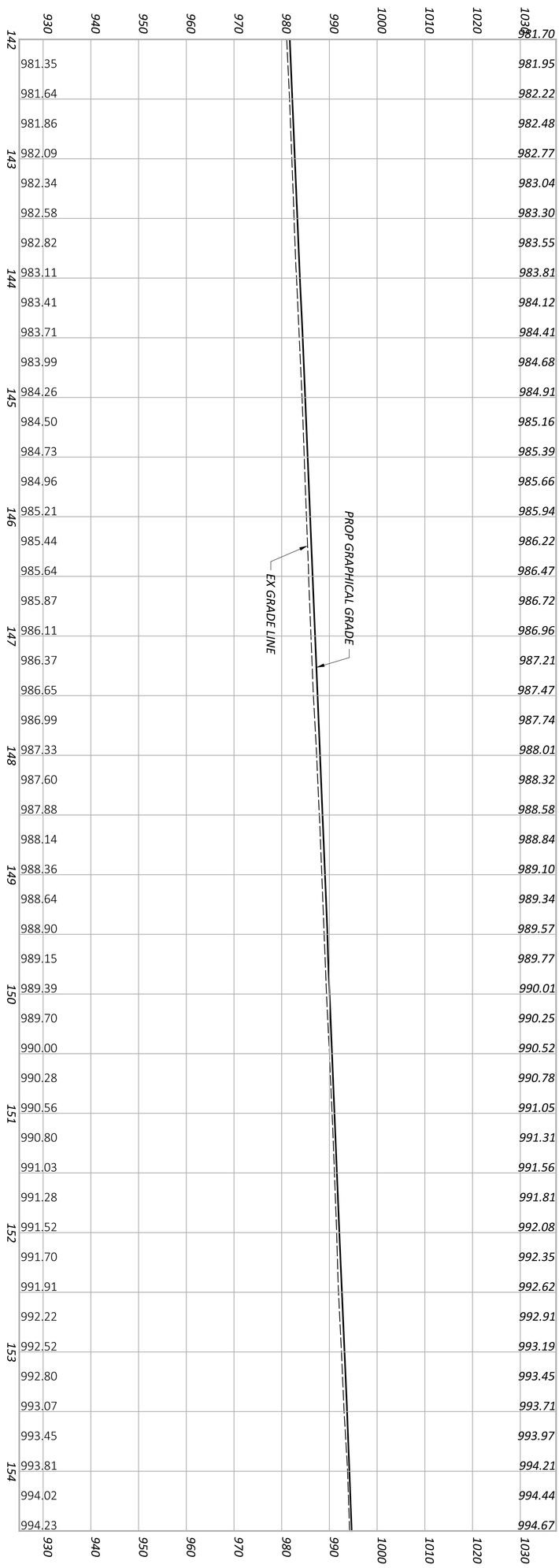


IR 70 EB



IR 70 WB

SHEET	TOTAL
P 0310	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

PROFILE - IR 70
STA. 142+00.00 TO STA. 154+50.00

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

PID: 010-018240-00.000
KENTON FAIRCHILD II, TRUSTEE, OR SUCCESSORS IN TRUST,
UNDER THE FAIRCHILD REVOCABLE LIVING TRUST,
6.42 AC. (AUD.)
14787 PALMER RD. SW
RESIDENTIAL

PID: 010-018852-00.000
MICHELLE M. WILLIAMS TRUST SHARE OF THE CARLTON
IRREVOCABLE TRUST, MICHELLE M. WILLIAMS,
JENNIFER R. CARLTON AND AMANDA E. CARLTON, CO-TRUSTEES
1.98 AC. (AUD.)
14675 PALMER RD SW
RESIDENTIAL

PID: 013-016956-00.000
STATE OF OHIO
111.92 AC. (AUD.)
8995 E MAIN ST

PID: 010-016752-00.001
ETNA TOWNSHIP
8.61 AC. (AUD.)
RESERVE "A"
THE PRESERVE AT HAAF FARMS
SUNLADEN DR. SW
RESIDENTIAL

PID: 010-021330-00.000
DANIEL E. FISCHER
0.33 AC. (AUD.)
LOT 8
COLONIAL MANOR SUBDIVISION
48 GEORGIAN DR. SW
RESIDENTIAL

PID: 010-017910-00.002
LORI A. DAVIS
0.54 AC. (AUD.)
LOT 1A
CLONCH SUBDIVISION
14413 PALMER DR. SW
RESIDENTIAL

CITY OF REYNOLDBURG
ETNA TOWNSHIP

PALMER RD

FRENCH LAKE DR

GEORGIAN DR SW

SHANNON DR

S86°31'58"E

N50°10'14"E

43°39'12"

MATCH LINE STA. 154+50.00, SEE SHEET P.0309

MATCH LINE STA. 167+00.00, SEE SHEET P.0313

STRUCTURE NO. LIC-00070-00.740 L

STRUCTURE NO. LIC-00070-00.740 R

℄ CONST & R/W IR 70

℄ CONSTR & R/W PALMER RD

℄ CONST GEORGIAN DR SW

END PROJECT
STA. 167+00.00
S.L.M. = 0.81

E220(032)

(A) BEGIN APP SLAB
STA 163+97.99

(B) BEGIN APP SLAB
STA 164+60.13

(C) END APP SLAB
STA 166+27.01

(D) END APP SLAB
STA 166+27.01

34 STA. 19+88.66, ℄ CONST & R/W PALMER RD =
STA. 165+10.33, ℄ CONST & R/W IR 70

35 STA. 103+44.36, ℄ CONST & R/W GEORGIAN DR .
STA. 22+45.49, ℄ R/W PALMER RD

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 154+50.00 TO STA. 167+00.00

DESIGN AGENCY
MORPHAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0311
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 14 PAPERSIZE: 34x22 (in.) DATE: 5/22/2025 TIME: 8:36:01 PM USER: brieder
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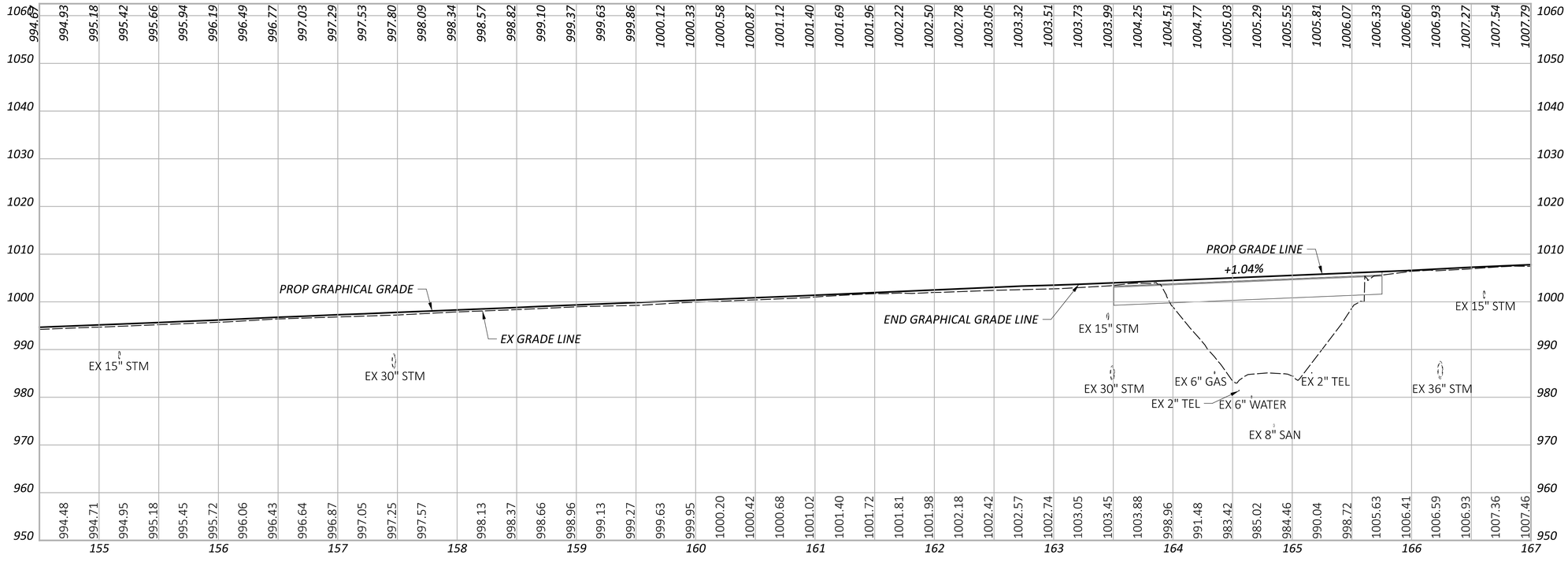
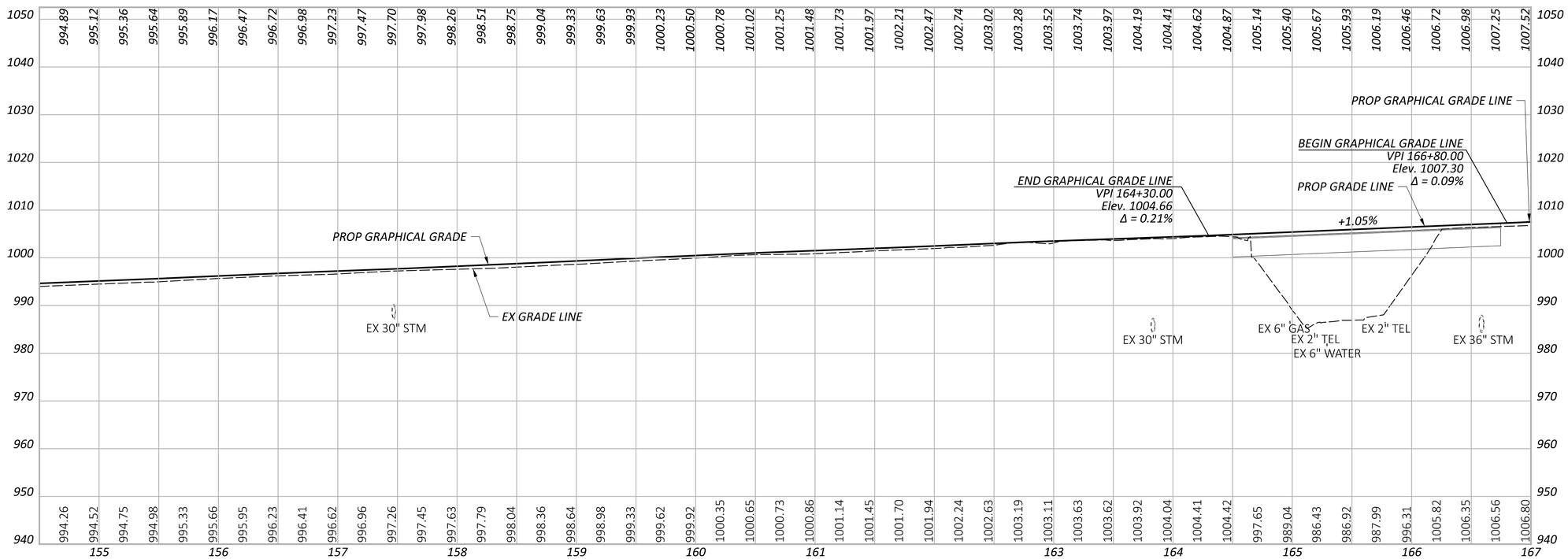


IR 70 WB



IR 70 EB

PROFILE - IR 70
STA. 154+50.00 TO STA. 167+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0312
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:36:19 PM USER: brieder
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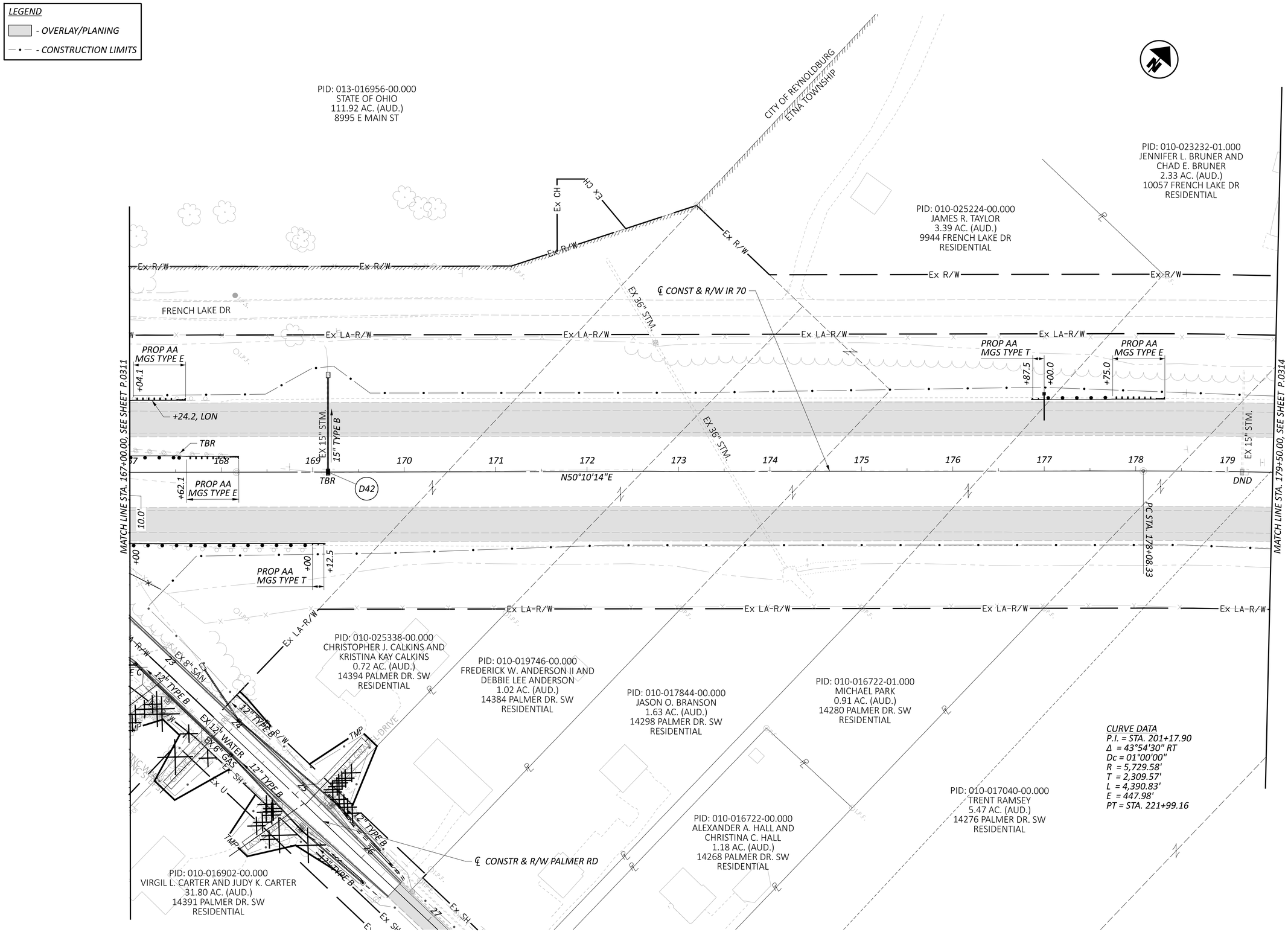

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 167+00.00 TO STA. 179+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0313 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 15 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:36:38 PM USER: brieder
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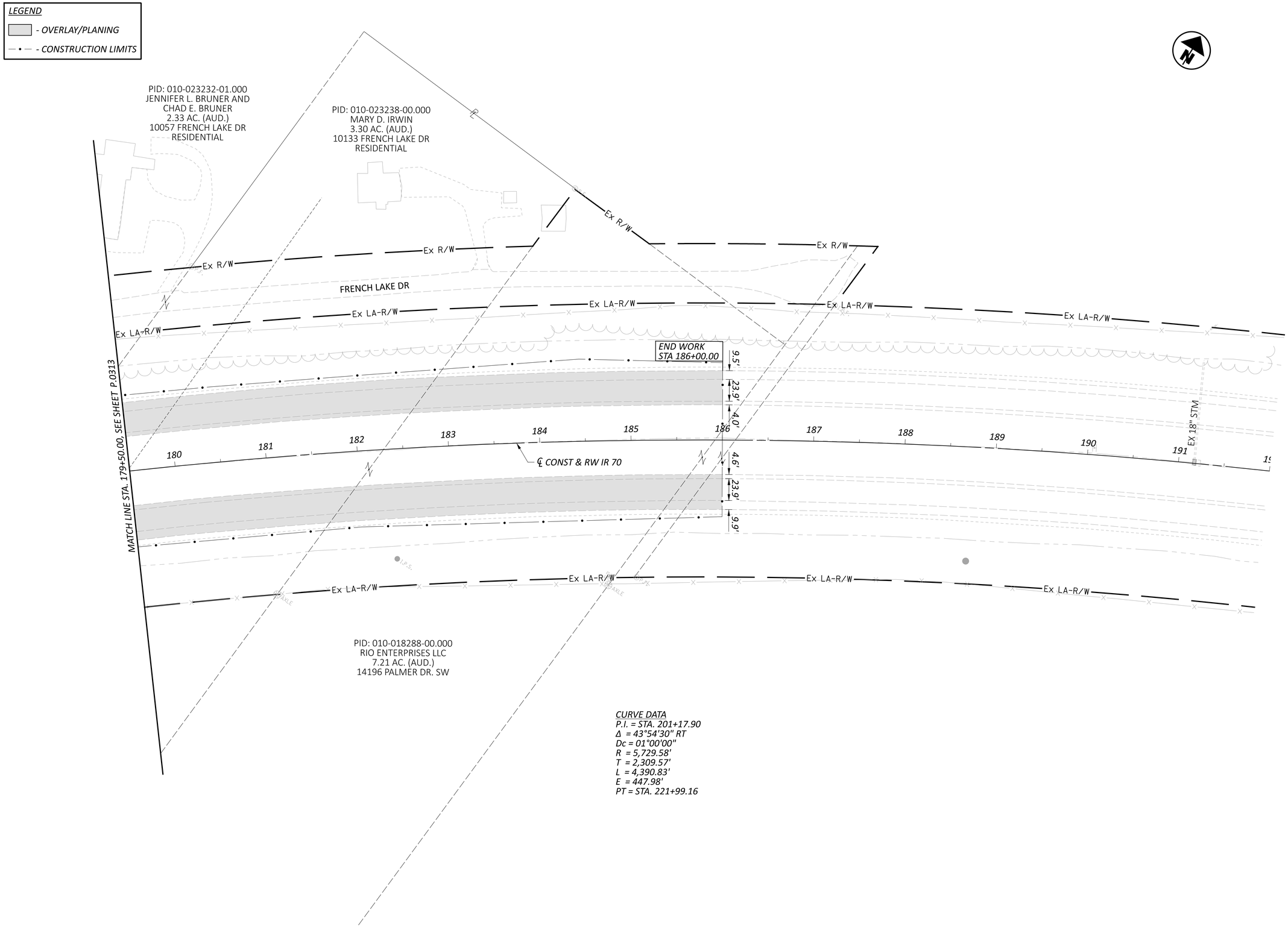

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 70
STA. 179+50.00 TO STA. 192+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0314 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_GP117 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:37:00 PM USER: brieder
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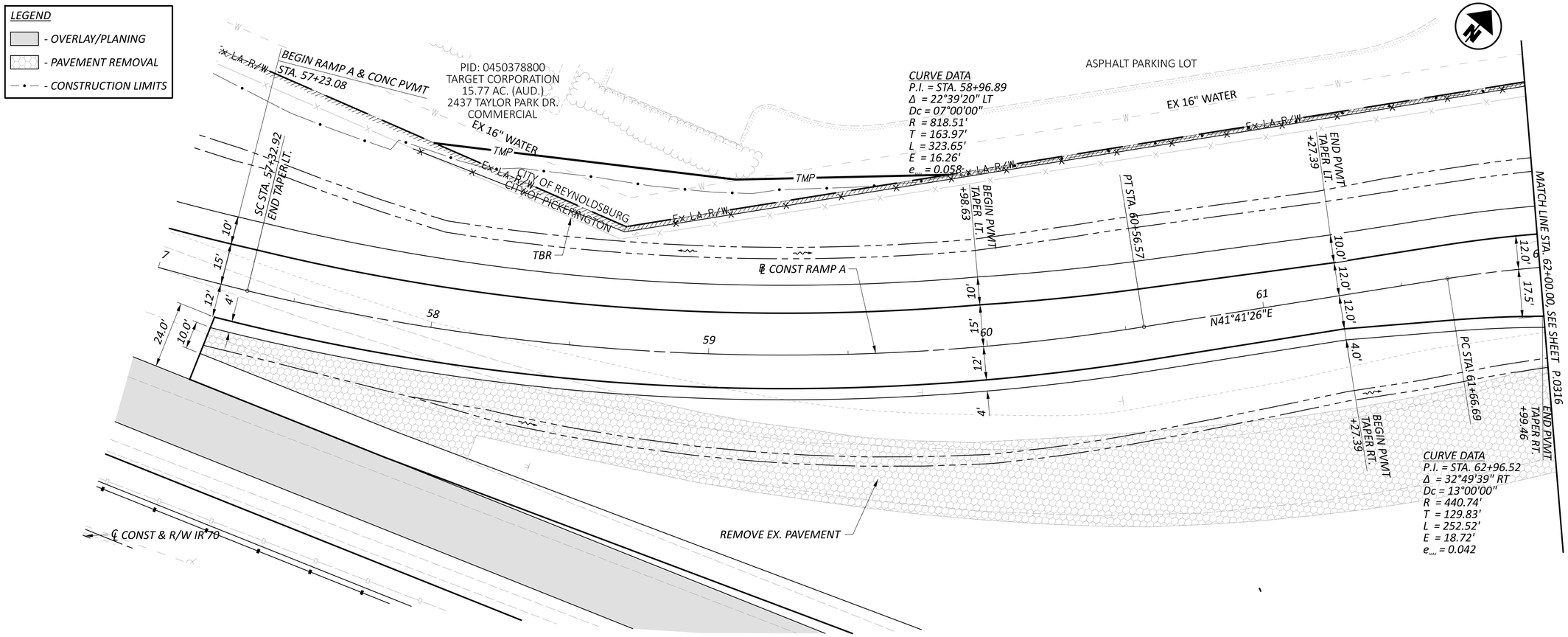

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP A
STA. 57+00.00 TO STA. 62+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0315 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:37:15 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:37:34 PM USER: brieder
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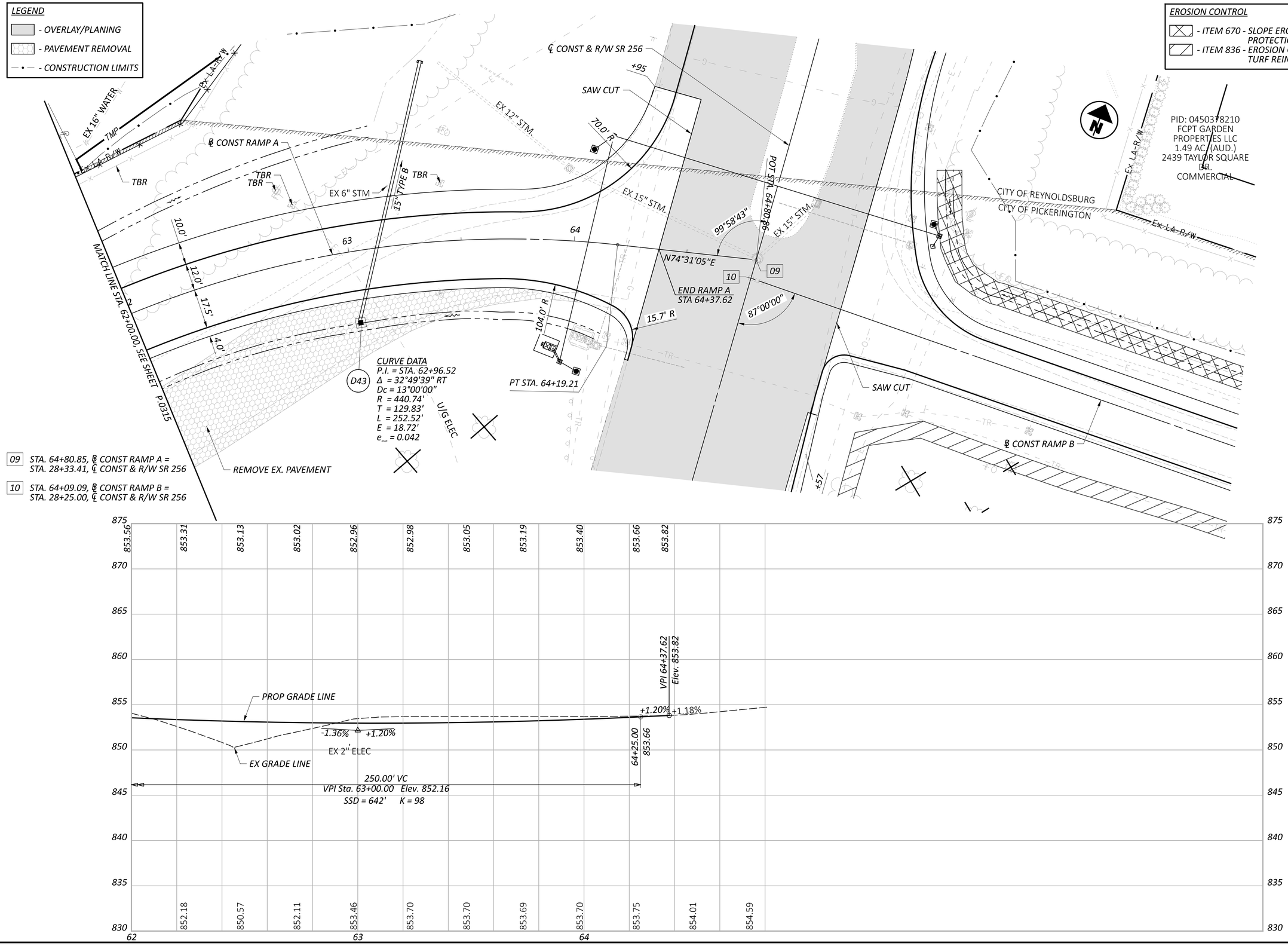


PLAN AND PROFILE - RAMP A
STA. 62+00.00 TO STA. 64+80.86

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0316
TOTAL	P.1556

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

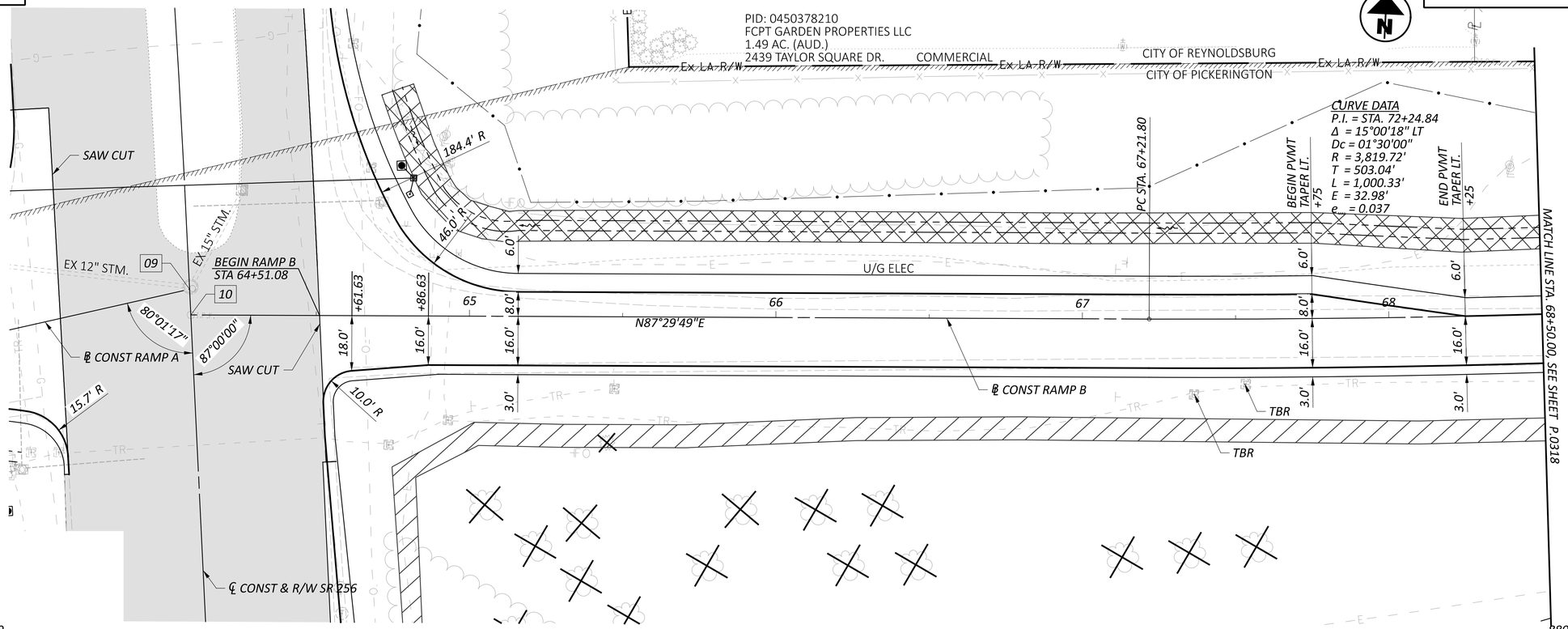
09 STA. 64+80.85, ℄ CONST RAMP A = STA. 28+33.41, ℄ CONST & R/W SR 256

10 STA. 64+09.09, ℄ CONST RAMP B = STA. 28+25.00, ℄ CONST & R/W SR 256

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

HORIZONTAL SCALE IN FEET 0 10 20 40



PLAN AND PROFILE - RAMP B
STA. 64+09.09 TO STA. 68+50.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0317 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070B - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:37:52 PM USER: brieder
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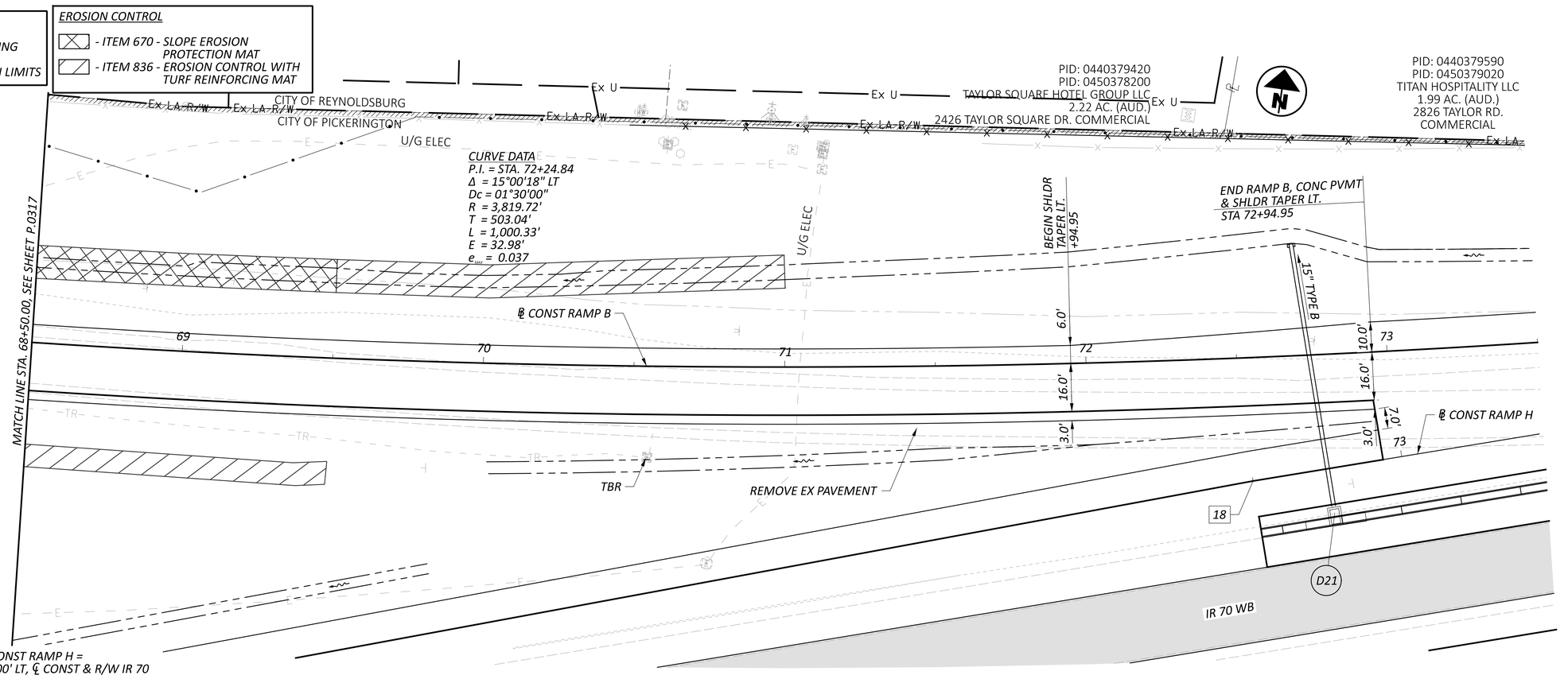
LEGEND

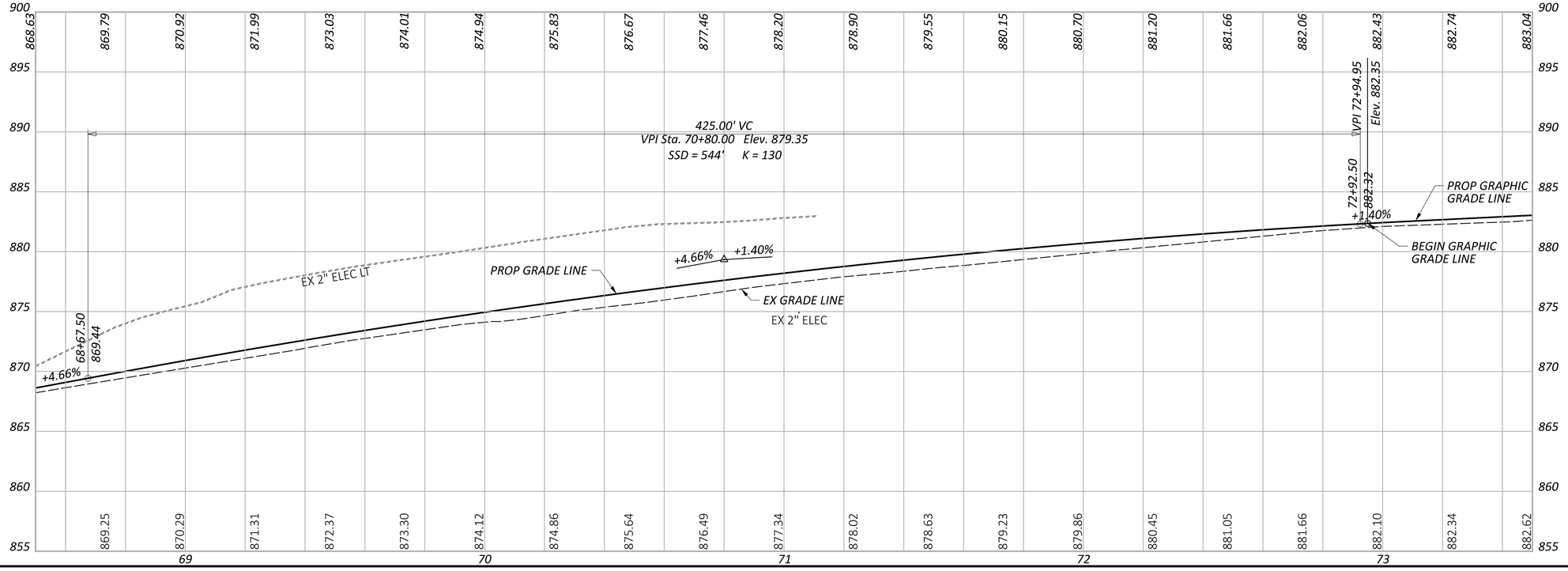
- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



18 STA. 72+50.00, ℄ CONST RAMP H =
STA. 72+50.00, 95.00' LT, ℄ CONST & R/W IR 70



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP B
STA. 68+50.00 TO STA. 73+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0318
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070B - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:38:10 PM USER: brieder
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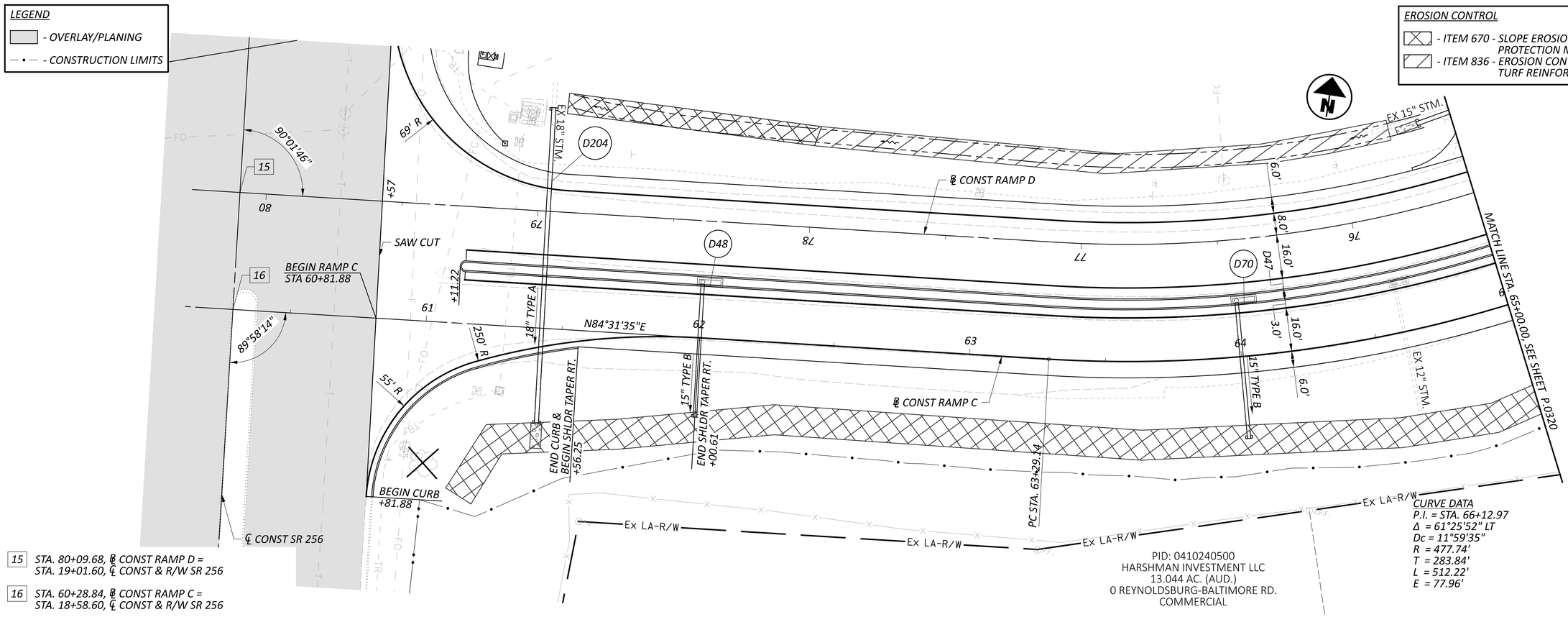

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP C
STA. 60+28.84 TO STA. 65+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:38:33 PM USER: brieder
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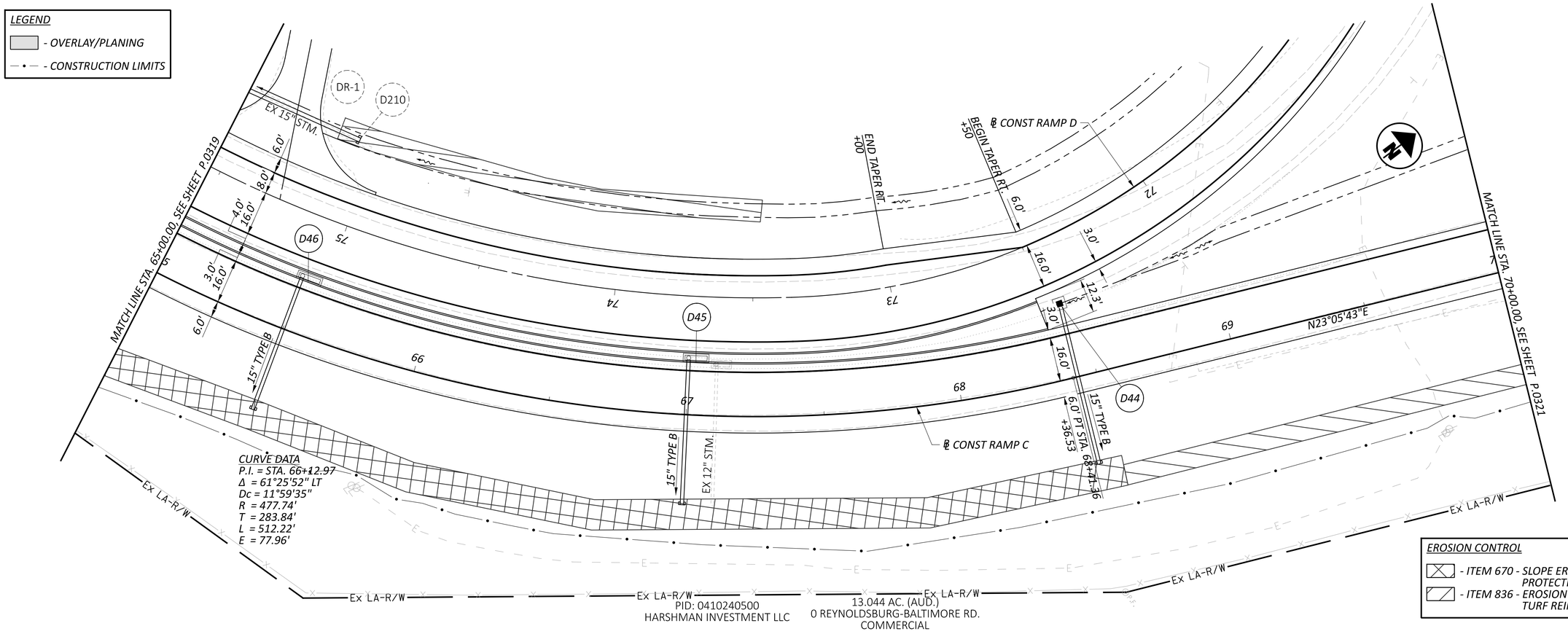
DESIGN AGENCY
STRUCTUREPOINT INC.
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0319 TOTAL P.1556



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP C
STA. 65+00.00 TO STA. 70+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0320 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:38:50 PM USER: brieder
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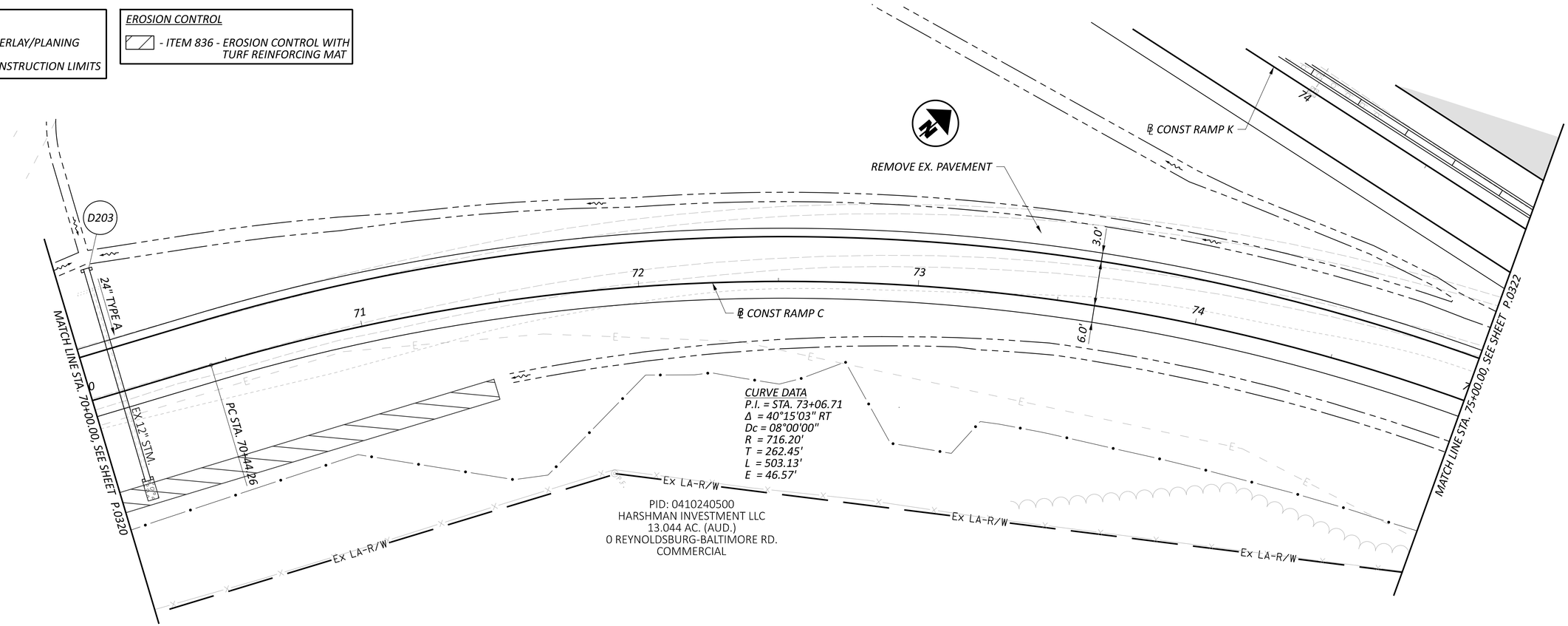
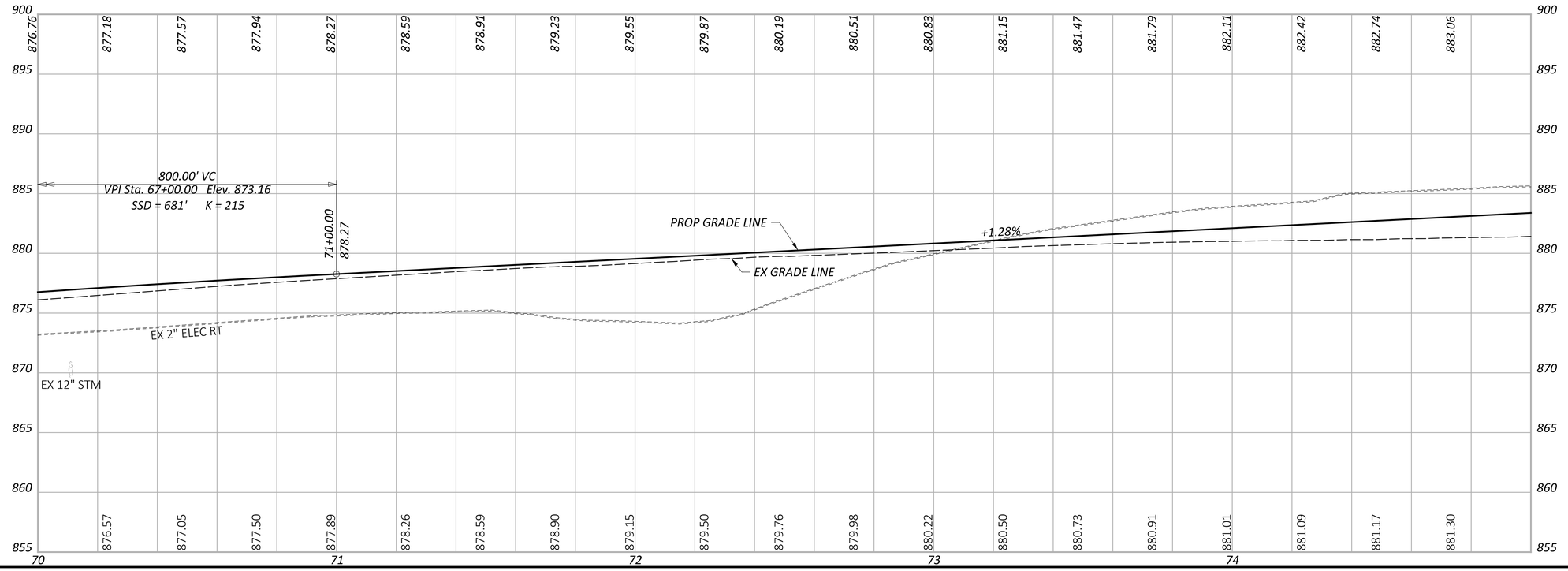
LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP C
STA. 70+00.00 TO STA. 75+00.00

DESIGN AGENCY
WRIGHT-PATT STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0321
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:39:07 PM USER: brieder
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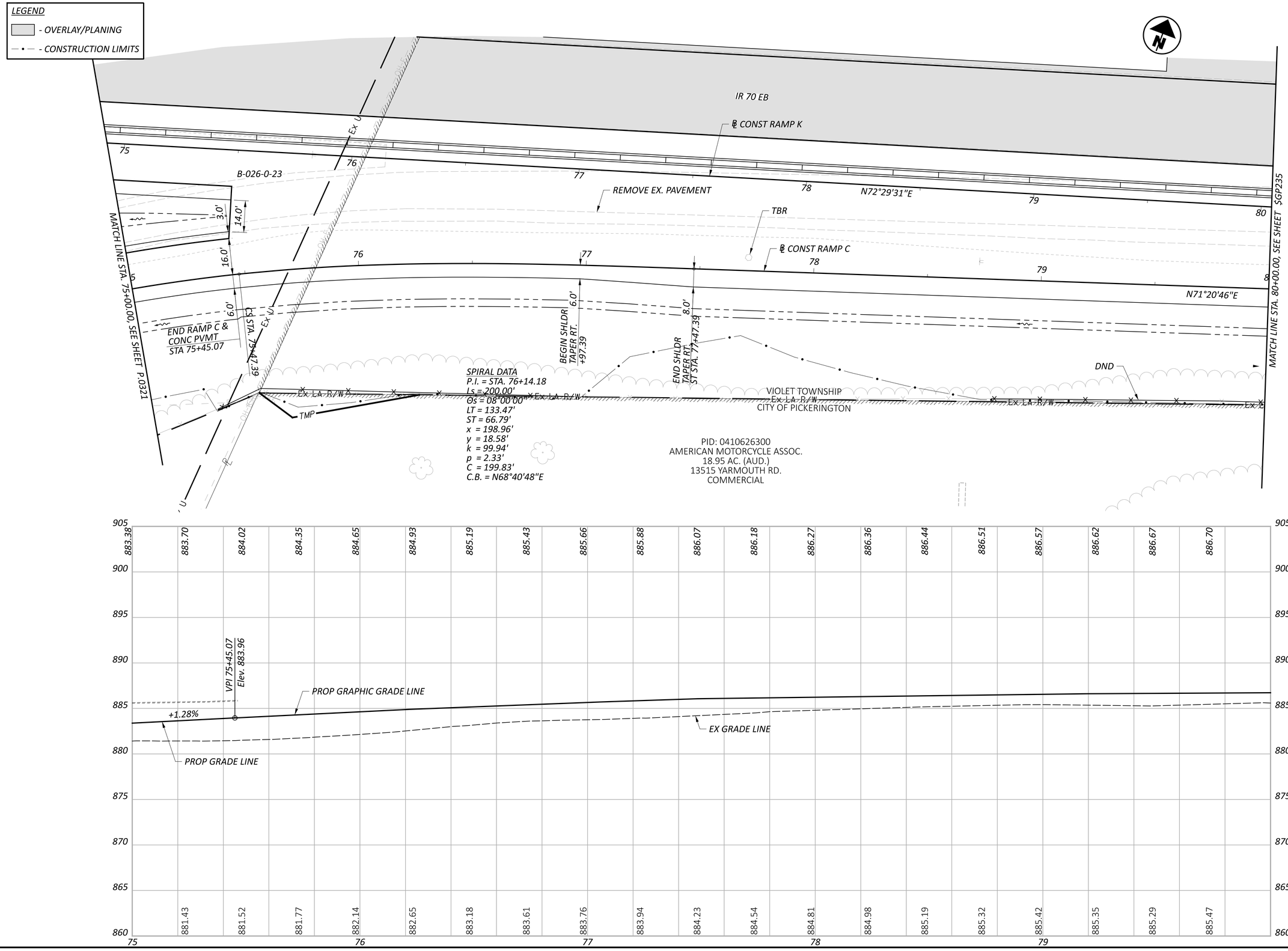

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP C
STA. 75+00.00 TO STA. 80+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:39:26 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT LLC

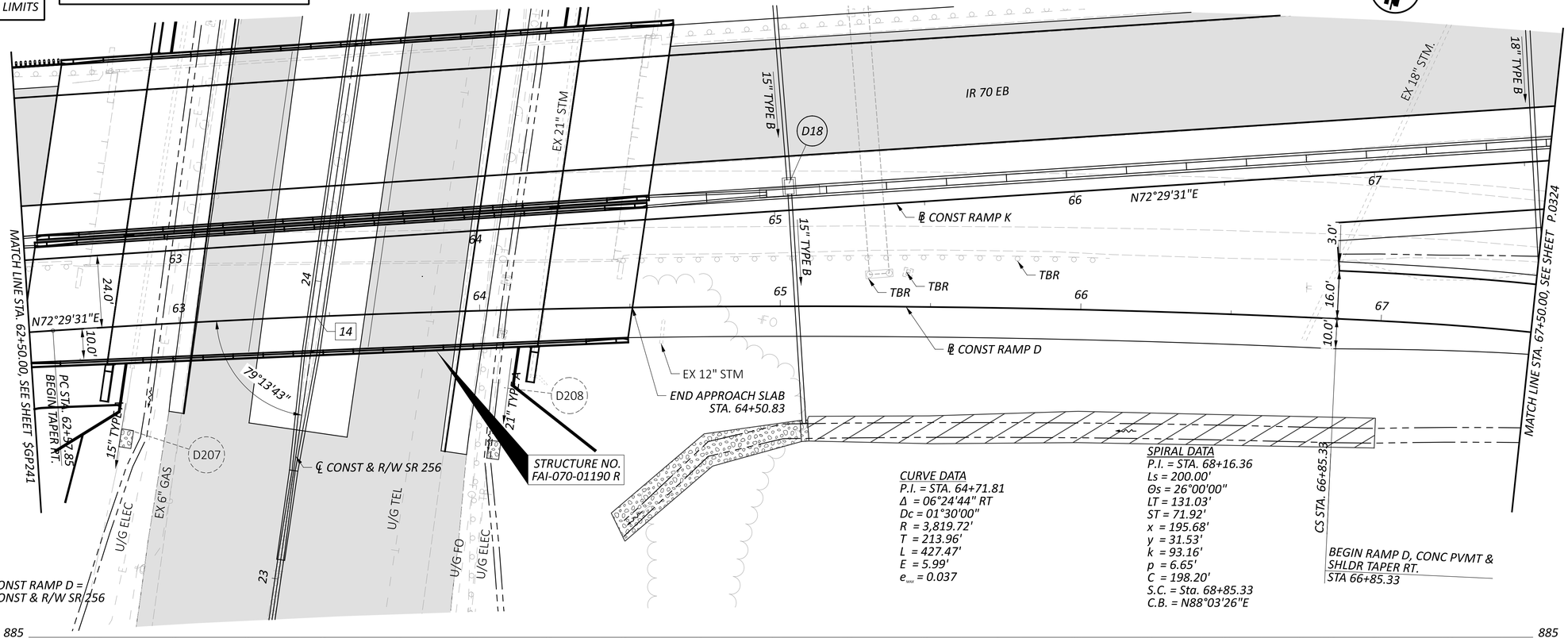
DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0322
TOTAL	P.1556

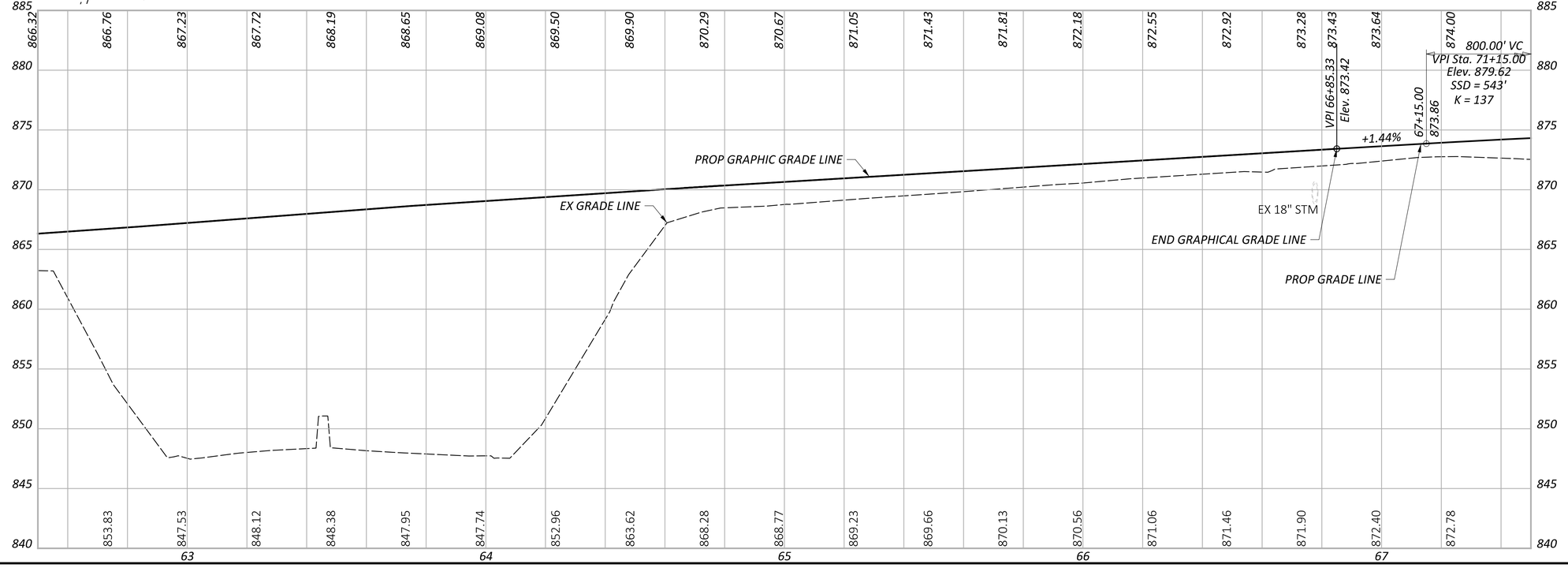
LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP D
STA. 62+50.00 TO STA. 67+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:39:45 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0323
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070D - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:40:06 PM USER: brieder
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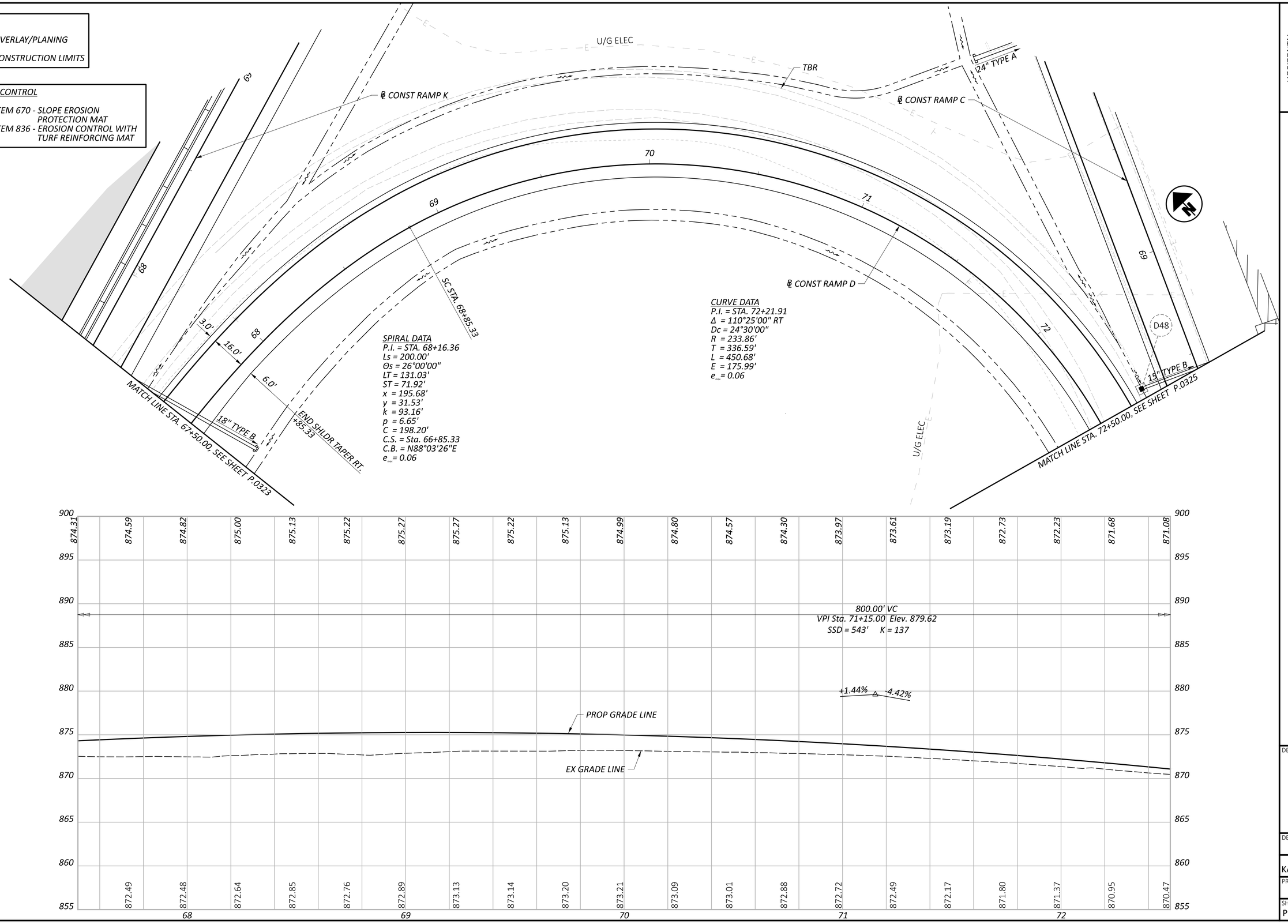
LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP D
STA. 67+50.00 TO STA. 72+50.00

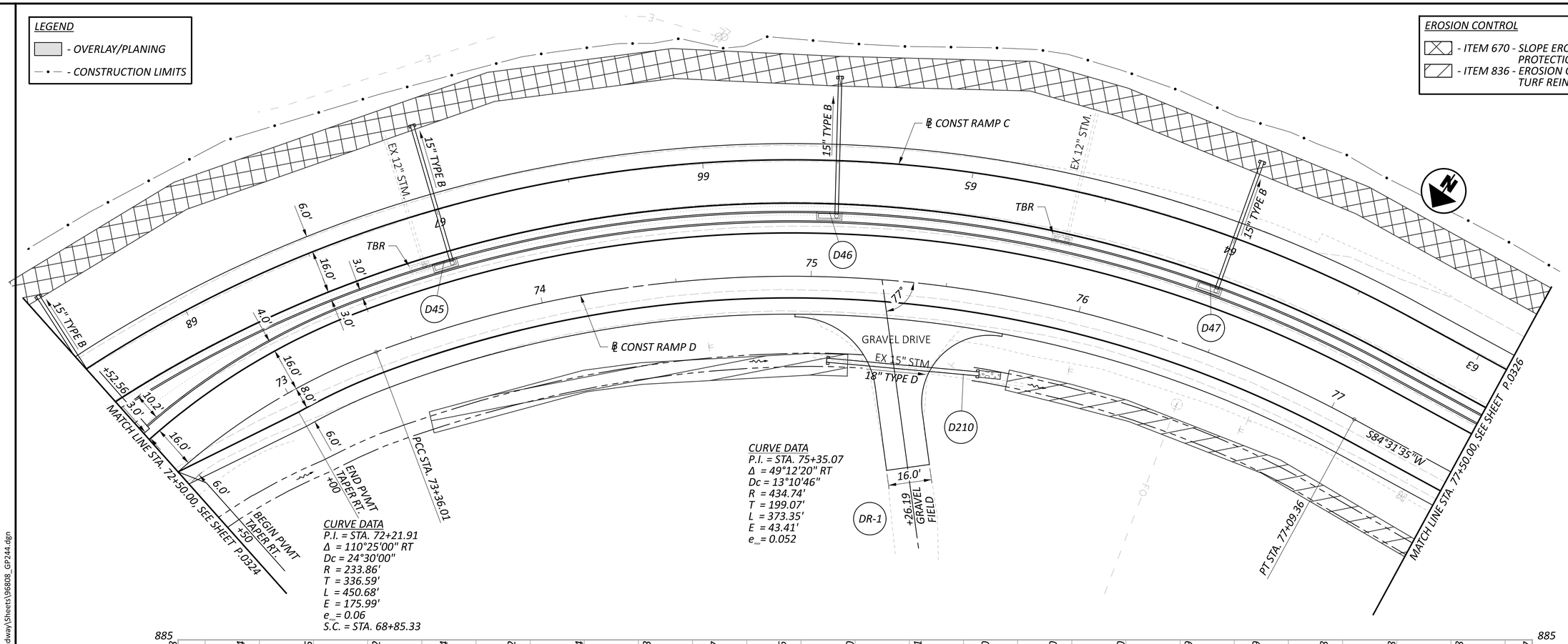
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0324 TOTAL P.1556



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP D
STA. 72+50.00 TO STA. 77+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0325
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:40:24 PM USER: brieder
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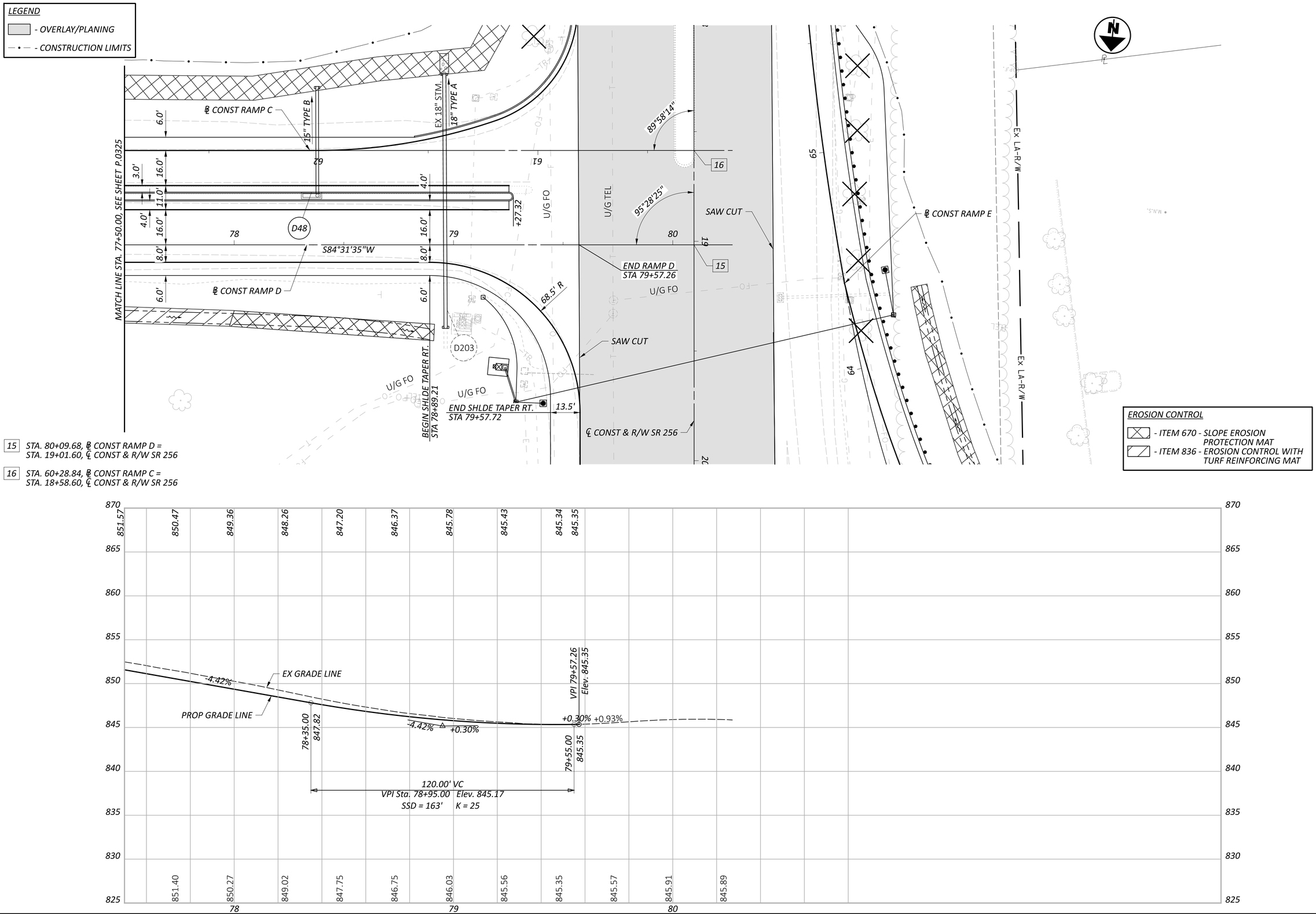

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP D
STA. 77+50.00 TO STA. 80+27.15

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0326 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070D - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:40:41 PM USER: brieder
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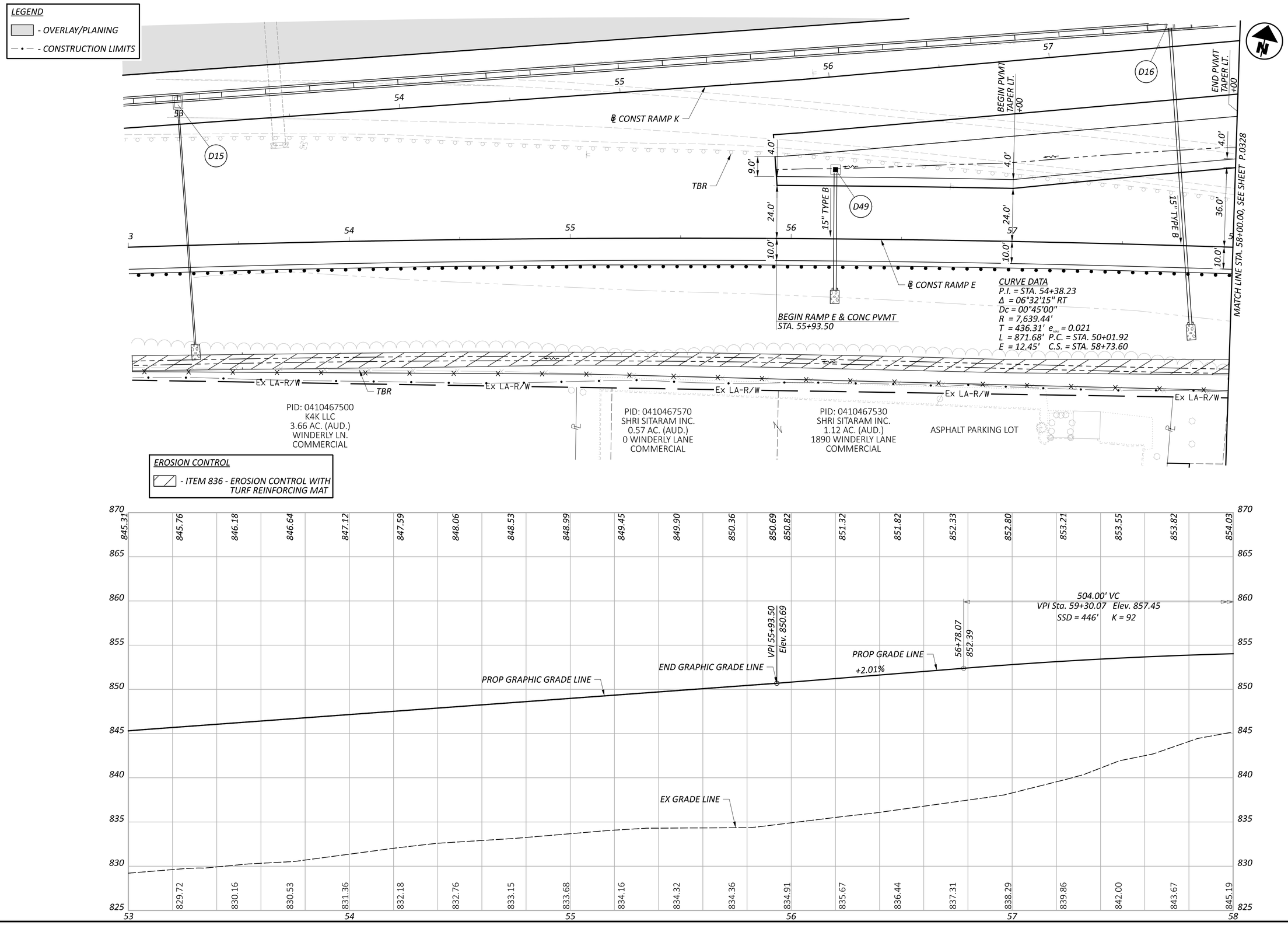


HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - RAMP E
STA. 53+00.00 TO STA. 58+00.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: XXX 04/25/25

PROJECT ID: 96808

SHEET: P.0327 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

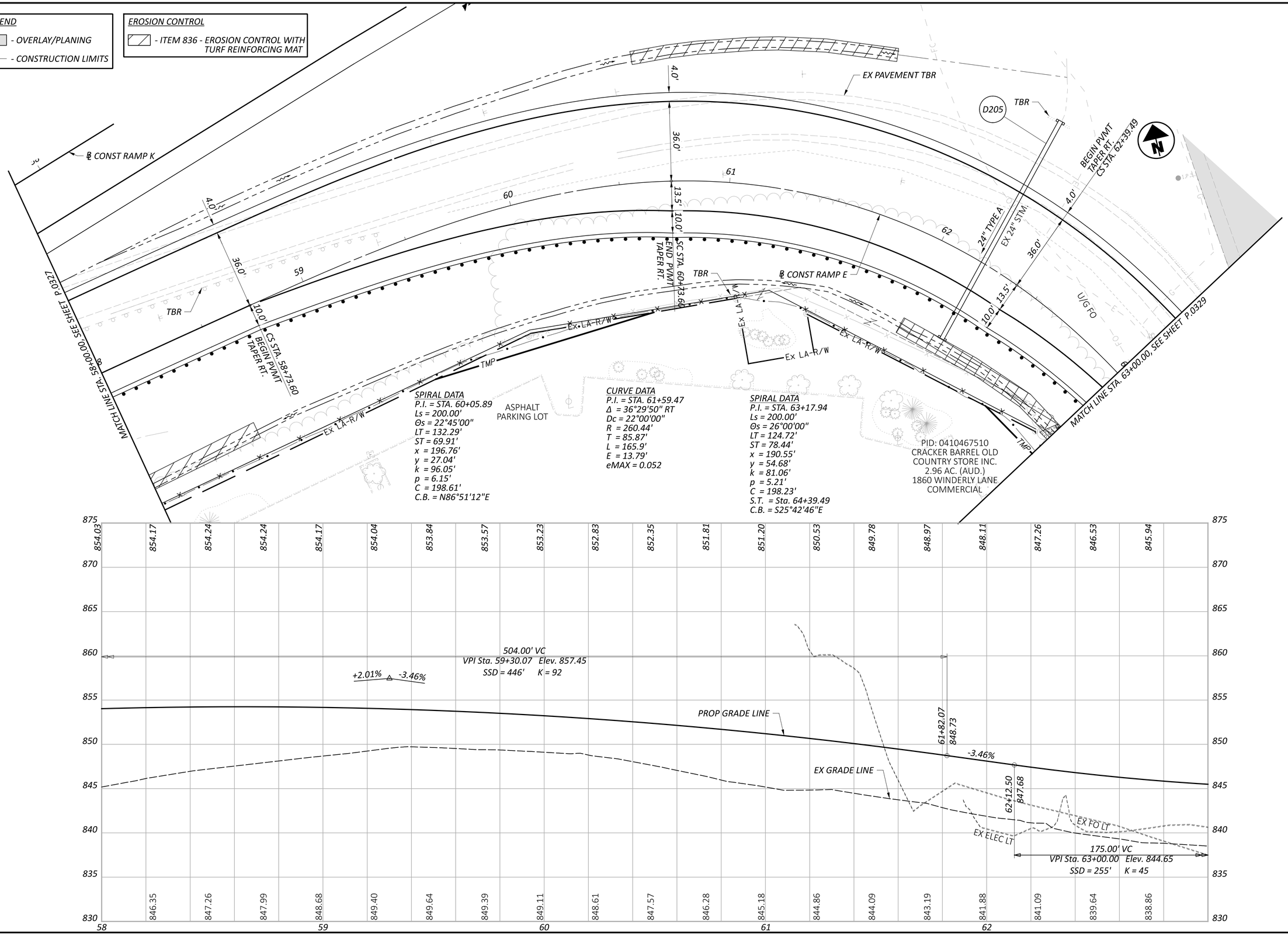
MODEL: BLP_R070E- Plan 6 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:41:01 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP256.dgn

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



SPIRAL DATA
P.I. = STA. 60+05.89
Ls = 200.00'
Θs = 22°45'00"
LT = 132.29'
ST = 69.91'
x = 196.76'
y = 27.04'
k = 96.05'
p = 6.15'
C = 198.61'
C.B. = N86°51'12"E

CURVE DATA
P.I. = STA. 61+59.47
Δ = 36°29'50" RT
Dc = 22°00'00"
R = 260.44'
T = 85.87'
L = 165.9'
E = 13.79'
eMAX = 0.052

SPIRAL DATA
P.I. = STA. 63+17.94
Ls = 200.00'
Θs = 26°00'00"
LT = 124.72'
ST = 78.44'
x = 190.55'
y = 54.68'
k = 81.06'
p = 5.21'
C = 198.23'
S.T. = Sta. 64+39.49
C.B. = S25°42'46"E

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP E
STA. 58+00.00 TO STA. 63+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	XXX 04/25/25
PROJECT ID	96808
SHEET	P.0328
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07DE: Plan 7 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:41:19 PM USER: brieder
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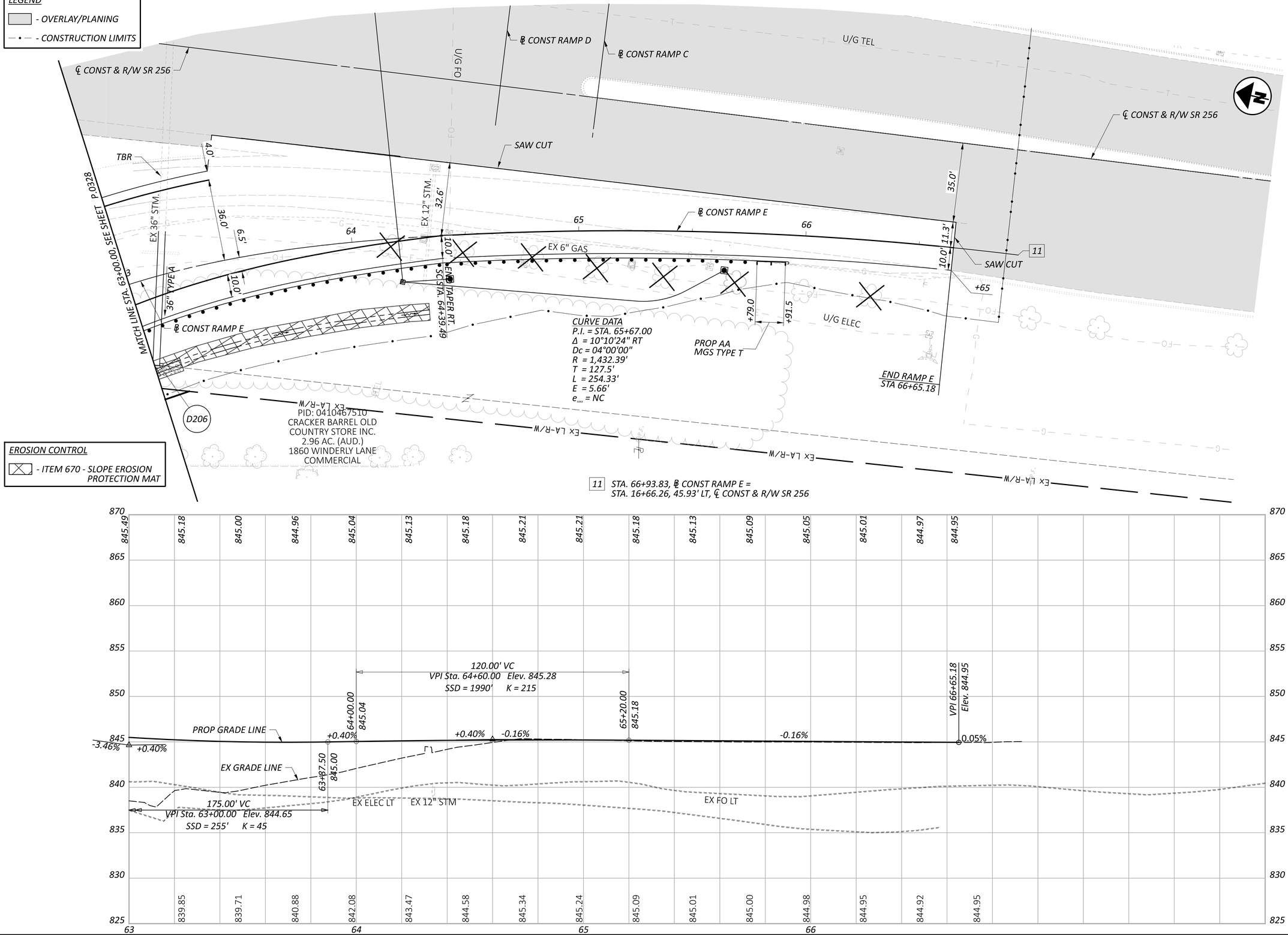
MODEL: BLP_R07DE: Plan 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:41:37 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP258.dgn

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP E
STA. 63+00.00 TO STA. 68+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

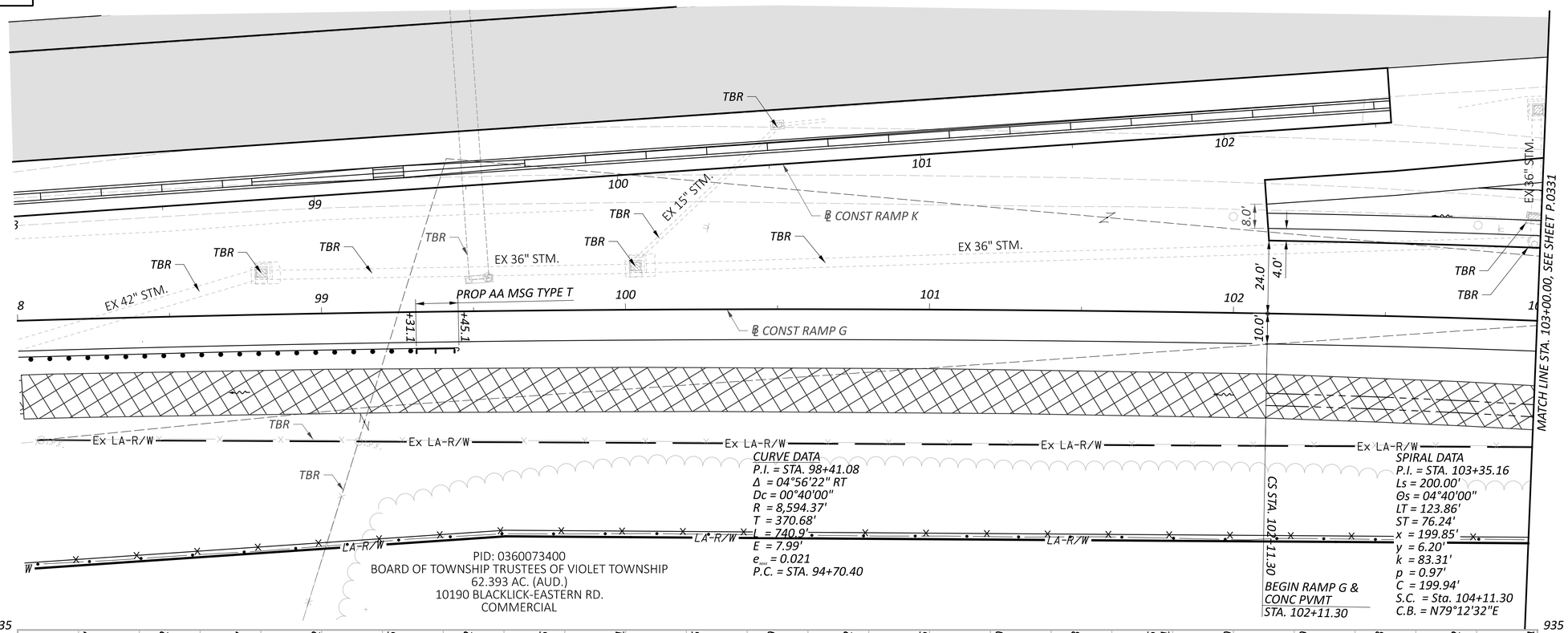
DESIGNER	BER
REVIEWER	XXX 04/25/25
PROJECT ID	96808
SHEET	P.0329
TOTAL	P.1556

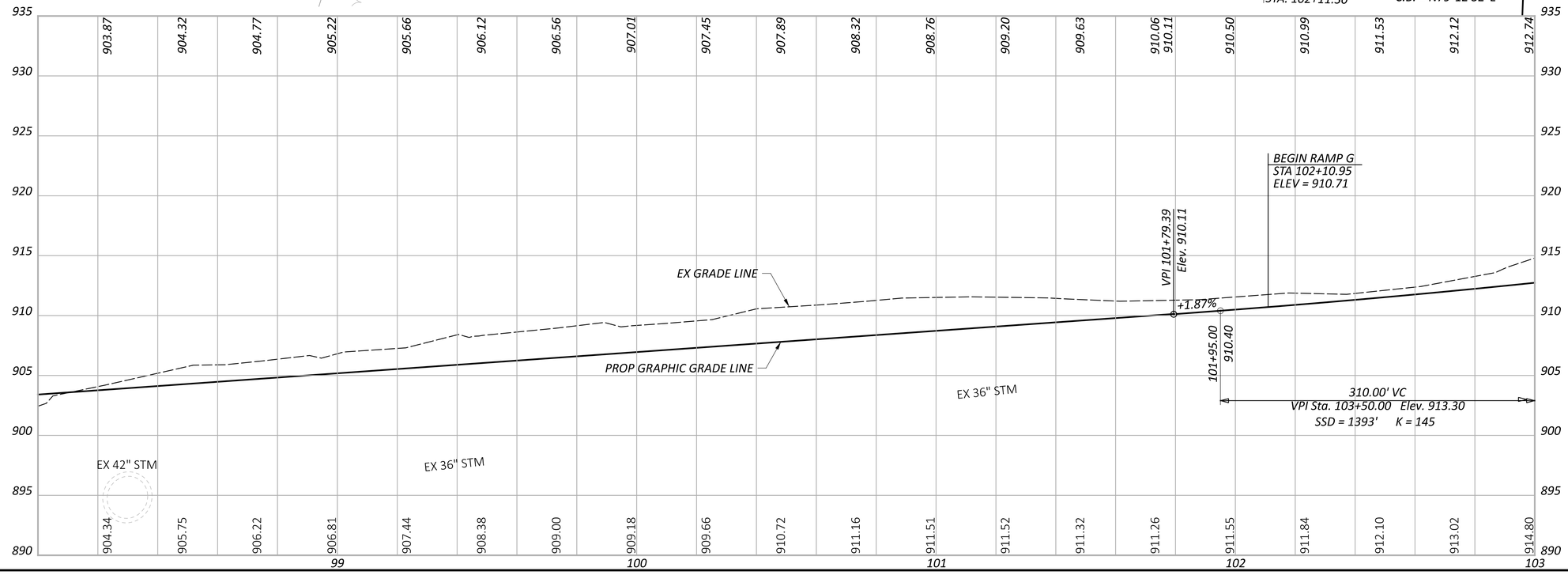
LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP G
STA. 98+00.00 TO STA. 103+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0330
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OG - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:41:57 PM USER: brieder
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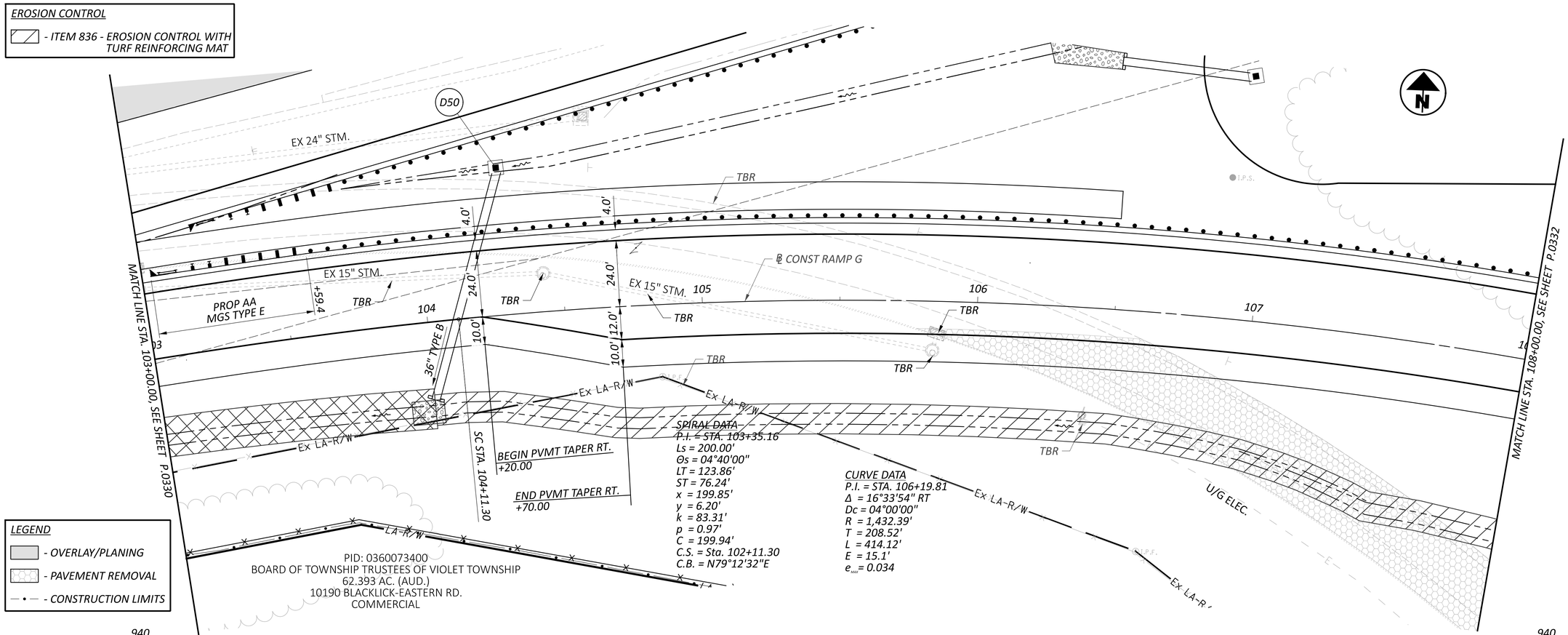

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP G
STA. 103+00.00 TO STA. 108+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0331 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070G - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:42:15 PM USER: brieder
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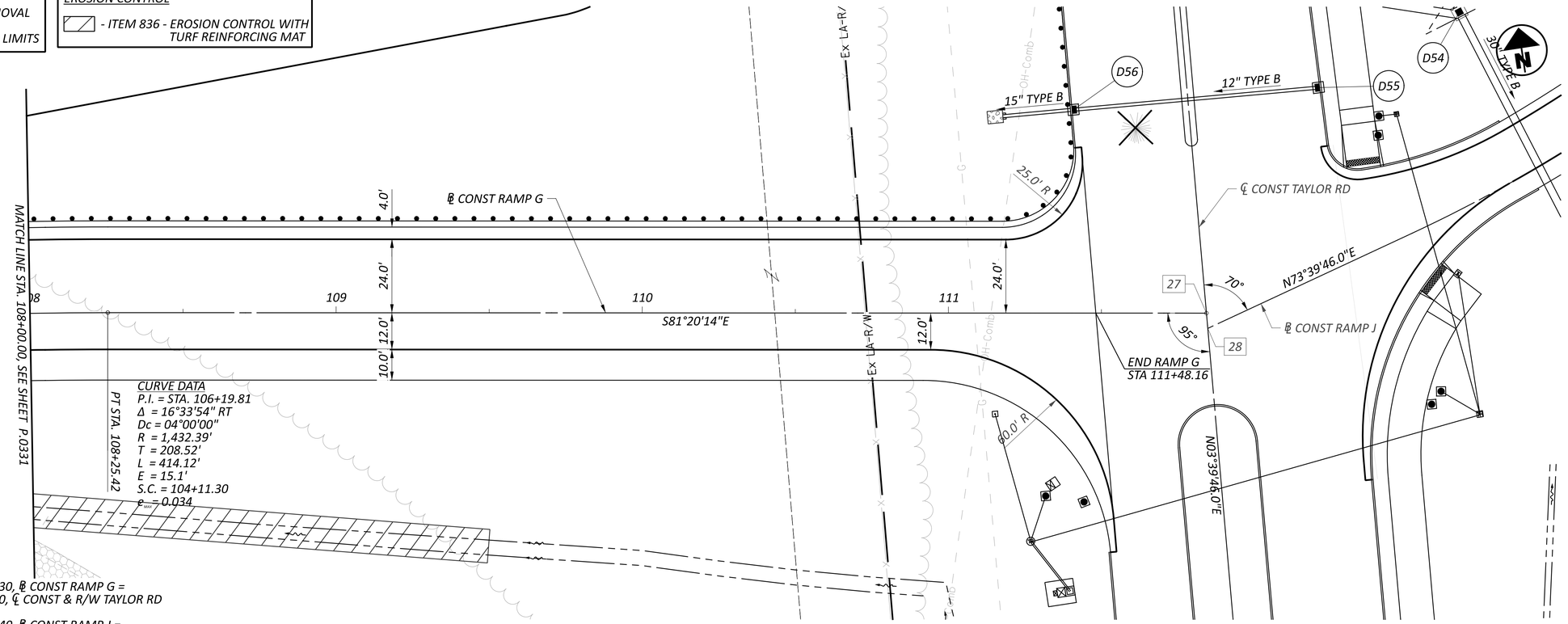
MODEL: BLP_R07DG - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:42:34 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP264.dgn

LEGEND

- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

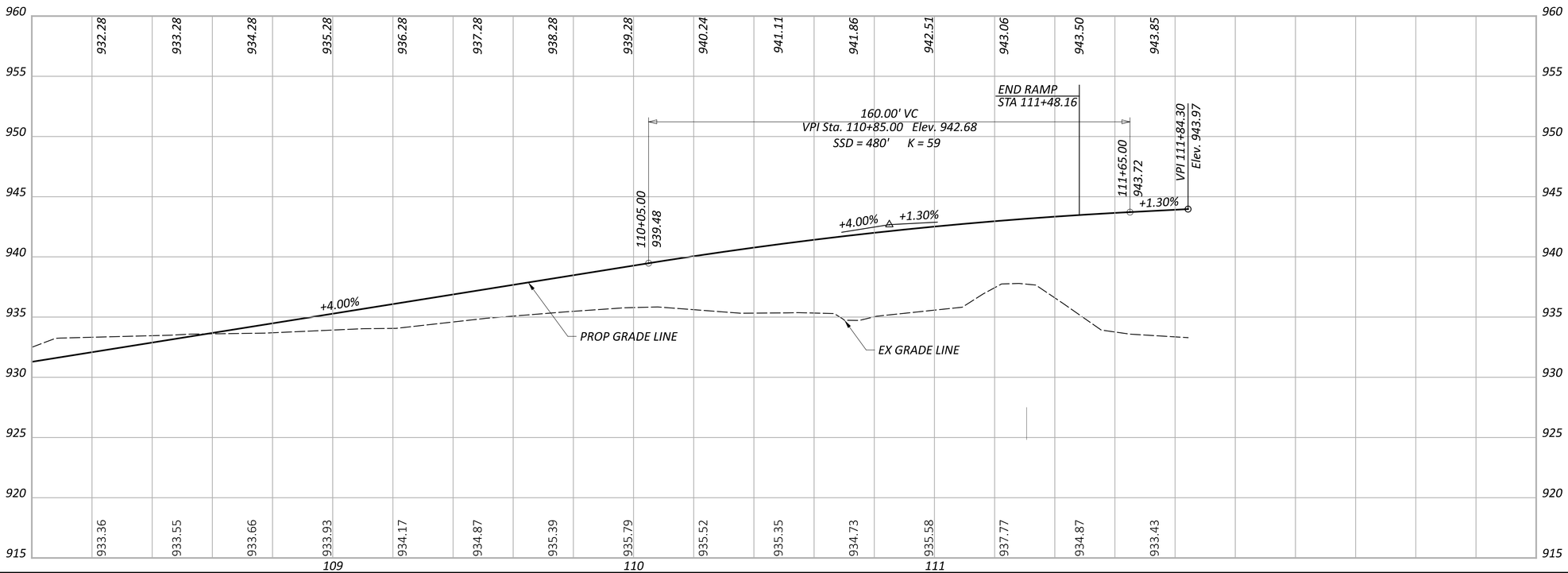
EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



27 STA. 111+84.30, ℄ CONST RAMP G =
STA. 36+30.00, ℄ CONST & R/W TAYLOR RD

28 STA. 110+13.40, ℄ CONST RAMP J =
STA. 36+25.00, ℄ CONST & R/W TAYLOR RD



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP G
STA. 108+00.00 TO STA. 111+84.30

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0332
TOTAL	P.1556

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

PID: 0450379310
CREEKSIDE ACQUISITION COLUMBUS ASSOCIATES II LLC
23.64 AC. (AUD.)
2405-2459 TAYLOR RD.
RESIDENTIAL

CITY OF REYNOLDSBURG
VIOLET TOWNSHIP

Ex. LA. R/W

TRIBUTARY TO BLACKLICK CREEK

CURVE DATA
P.I. = STA. 104+23.74
Δ = 07°24'50" LT
Dc = 03°00'00"
R = 1,909.86'
T = 123.74'
L = 247.13'
E = 4.00'
e_{sup} = 0.055
P.T. = STA. 105+47.13

BEGIN RAMP H & CONC PVMT
BEGIN RETAINING WALL RT
STA 103+00.00
PC STA. 103+00.00

PROP. RETAINING WALL

10.0'
12.0'
4.0'
12.0'

℄ CONST RAMP H
N72°29'31"E
TBR
15" TYPE B
D33
D32
SAW CUT
IR 70 WB

MATCH LINE STA. 105+00.00 SEE SHEET P.0334

℄ CONST & R/W IR 70

100 101 102 103 104 105

907.65 908.15 908.65 909.15 909.66 910.19 910.77 911.39 912.06 912.78 913.54 914.35 915.20 916.10 917.04 918.03 919.07 920.15 921.27 922.45 923.66

940 935 930 925 920 915 910 905 900 895

PROP GRADE LINE
+2.00%
+5.00%
+2.00%
EX GRADE LINE
100+95.00
909.56
410.00' VC
VPI Sta. 103+00.00 Elev. 913.66
SSD = 654' K = 137

901.55 902.14 902.72 903.65 904.16 904.60 904.65 905.03 905.35 905.94 906.41 906.87 907.16 907.36 907.51 907.86 907.65 907.02 906.29 905.36

HORIZONTAL SCALE IN FEET
0 10 20 40

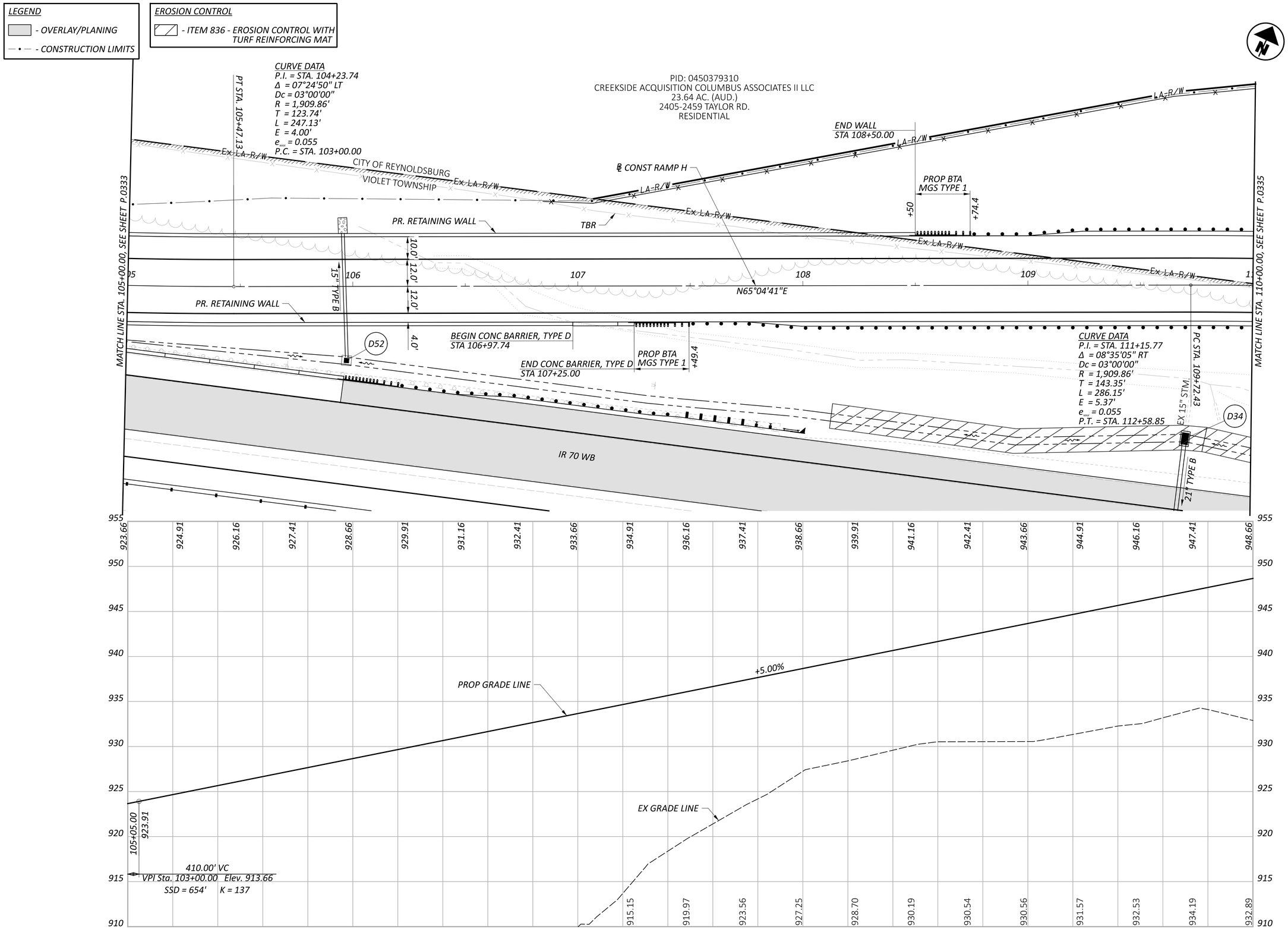
PLAN AND PROFILE - RAMP H
STA. 100+00.00 TO STA. 105+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0333 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OH - Plan 7 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:42:53 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP277.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP H
STA. 105+00.00 TO STA. 110+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0334 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

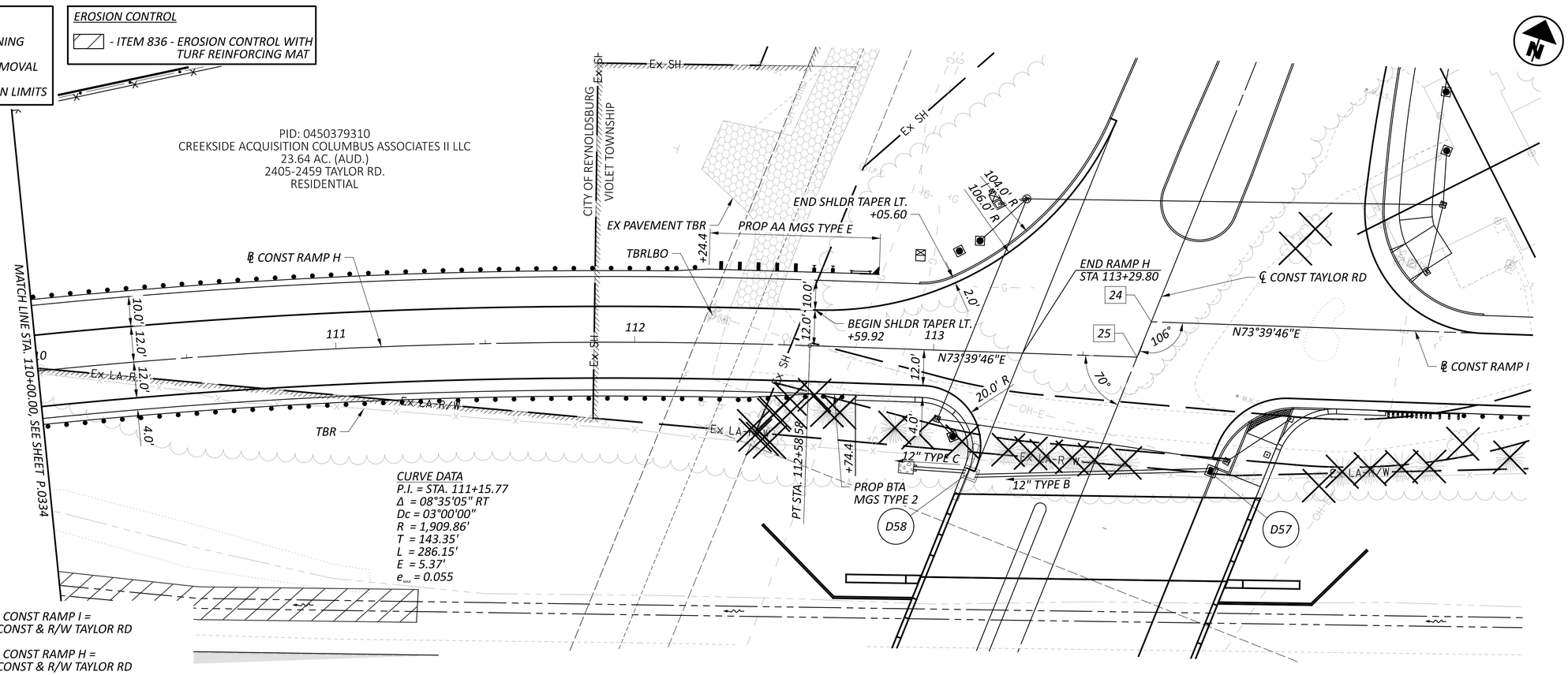
MODEL: BLP_R070H - Plan 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:43:13 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP278.dgn

LEGEND

- OVERLAY/PLANING
- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

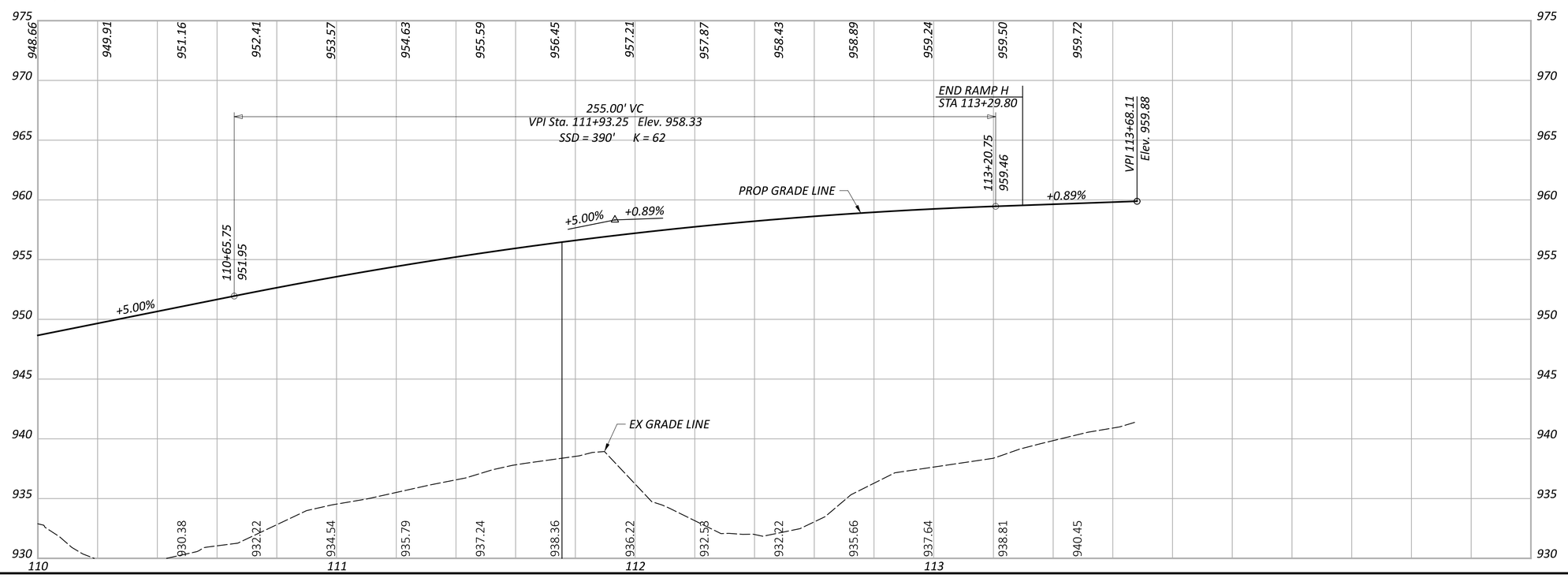
EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



24 STA. 114+03.78, ℄ CONST RAMP I = STA. 43+20.00, ℄ CONST & R/W TAYLOR RD

25 STA. 113+68.11, ℄ CONST RAMP H = STA. 43+07.23, ℄ CONST & R/W TAYLOR RD



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP H
STA. 110+00.00 TO STA. 113+68.11

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0335 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - Plan 9 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:43:33 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\A01-Engineering_StructurePoint\Roadway\Sheets\96808_GP279.dgn

LEGEND

- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

Ex SH

℄ CONST TAYLOR RD

BEGIN RAMP I
STA 114+49.60

70°

24

℄ CONST RAMP H

25

70°

28.1' R

25.0' R

24.0'

24.0'

3.0'

3.0'

35.0' R

41 R

6.0' BEGIN CURB
+15

PID: 0360078900
BIRCH HOMES LLC
4.04 AC. (AUD.)
13920 TAYLOR RD. NW
RESIDENTIAL

EX DRIVE
TBR

N73°39'46"E

℄ CONST RAMP I

TBR

Ex LA-R/W

12" TYPE C

12" TYPE B

D58

D57

BEGIN CURB
+63

+83.2

PROP BTA
MGS TYPE 1

+07.6

115

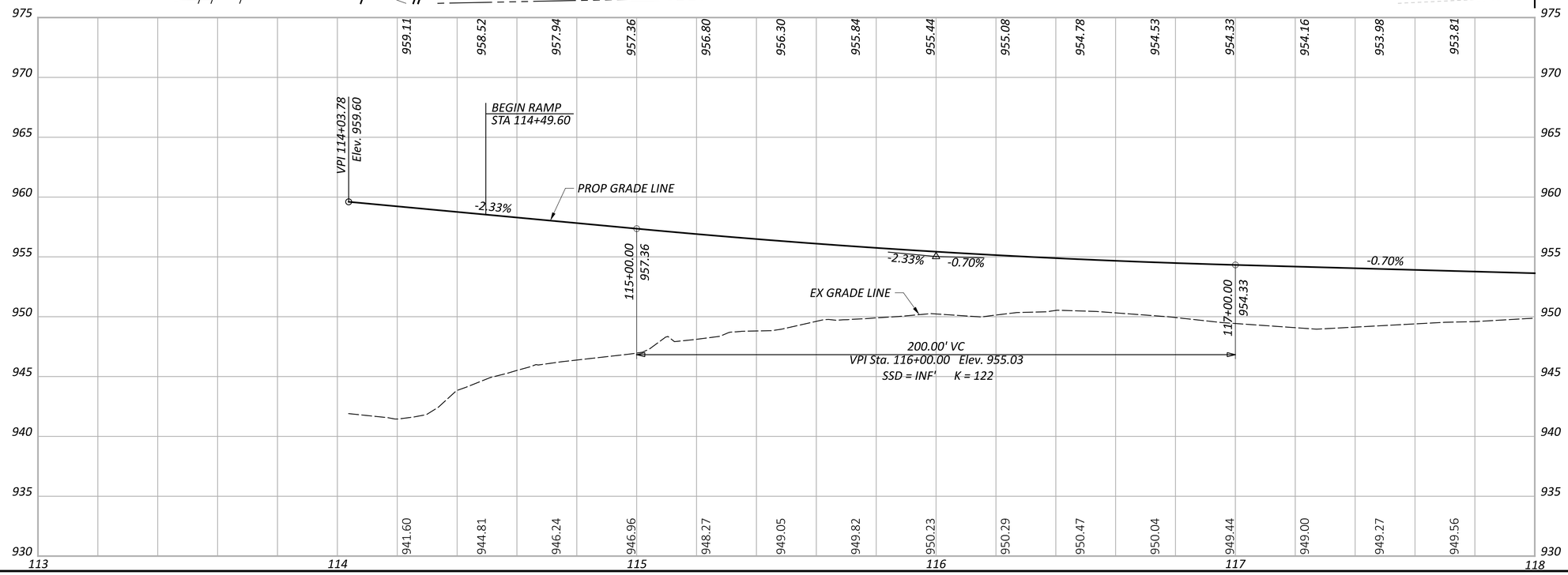
116

117

MATCH LINE STA. 118+00.00, SEE SHEET P.0337

24 STA. 114+03.78, ℄ CONST RAMP I =
STA. 43+20.00, ℄ CONST & R/W TAYLOR RD

25 STA. 113+68.11, ℄ CONST RAMP H =
STA. 43+07.23, ℄ CONST & R/W TAYLOR RD



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP I
STA. 114+03.78 TO STA. 118+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:43:59 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0336 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:44:26 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP282.dgn

LEGEND
- OVERLAY/PLANING
- CONSTRUCTION LIMITS

PID: 0360078900
BIRCH HOMES LLC
4.04 AC. (AUD.)
13920 TAYLOR RD. NW
RESIDENTIAL

PID: 012-027450-00.000
CARROLL BROWN
13.52 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

LICKING COUNTY
FAIRFIELD COUNTY
HALF SECTION 26
HALF SECTION 35
ETNA TOWNSHIP
VIOLET TOWNSHIP

CURVE DATA
P.I. = STA. 126+59.95
Δ = 16°11'08" LT
Dc = 02°00'00"
R = 2,864.79'
T = 407.35'
L = 809.28'
E = 28.82'
e_{max} = 0.045

PC STA. 122+52.59

MATCH LINE STA. 118+00.00, SEE SHEET P.0336

MATCH LINE STA. 123+00.00, SEE SHEET P.0338

PROP AA MGS TYPE T
+37.5
+50.0
PROP AA MGS TYPE E
+37.5
+95.1
PROP AA MGS TYPE E

℄ CONST RAMP I
TBR
Ex LA-R/W
N73°39'46"E
6.0'
6.0'
24.0'
16.0'
3.0'
3.0'
BEGIN P/MT TAPER RT. +15
END P/MT TAPER RT. +65
IR 70 WB

118 119 120 121 122 123

953.63 953.46 953.28 953.11 952.94 952.76 952.59 952.41 952.24 952.06 951.89 951.72 951.54 951.39 951.28 951.21 951.18 951.20 951.26 951.36

950.22 950.68 951.11 951.27 951.52 951.88 952.17 952.35 952.42 951.90 951.34 950.74 950.20 949.89 949.49 949.39 949.31 949.31 949.35

975 970 965 960 955 950 945 940 935 930

PROP GRADE LINE
-0.70%
EX GRADE LINE
121+00.00
951.54
400.00' VC
VPI Sta. 123+00.00 Elev. 950.15
SSD = 775' K = 148

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP I
STA. 118+00.00 TO STA. 123+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0337
TOTAL	P.1556

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

PID: 012-027450-00.000
CARROLL BROWN
13.52 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

PID: 010-017448-00.000
CARROLL BROWN
14.00 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

END RAMP I & CONC PVMT
STA 125+02.30

BEGIN SHLDR TAPER LT. +52.30

END SHLDR TAPER LT. +02.30

D37

TBR

LA-R/W

Ex LA-R/W

LICKING COUNTY
FAIRFIELD COUNTY

MATCH LINE STA. 123+00.00, SEE SHEET P.0337

℄ CONST RAMP I

6.0'

8.0'

16.0'

3.0'

10.0'

24" TYPE B

SAWCUT

IR 70 WB

HALF SECTION 26
HALF SECTION 35

℄ CONST & RW IR 70

123 124 125 126 127

CURVE DATA
P.I. = STA. 126+59.95
Δ = 16°11'08" LT
Dc = 02°00'00"
R = 2,864.79'
T = 407.35'
L = 809.28'
E = 28.82'
e_{nc} = 0.045
P.C. = STA. 122+52.59
P.C.C. = STA. 130+61.88

HORIZONTAL SCALE IN FEET
0 10 20 40

951.50 951.69 951.91 952.18 952.49 952.85 953.24 953.68 954.16 954.61 955.14 955.69 956.22 956.70 957.21 957.70 958.20 958.69 959.17 959.64

975 970 965 960 955 950 945 940 935 930

PROP GRADE LINE

PROP GRAPHIC GRADE LINE

EX GRADE LINE

VPI 125+02.59
Elev. 954.19

+2.01%

-0.70%

+2.01%

125+00.00
954.16

400.00' VC
VPI Sta. 123+00.00 Elev. 950.15
SSD = 775' K = 148

949.45 949.66 950.10 950.67 951.42 952.08 952.04 951.64 951.59 952.69 953.83 954.96 955.63 956.31 956.87 957.41 958.11 958.83 959.35

123 124 125 126 127 128

PLAN AND PROFILE - RAMP I
STA. 123+00.00 TO STA. 128+00.00

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0338 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:44:46 PM USER: brieder
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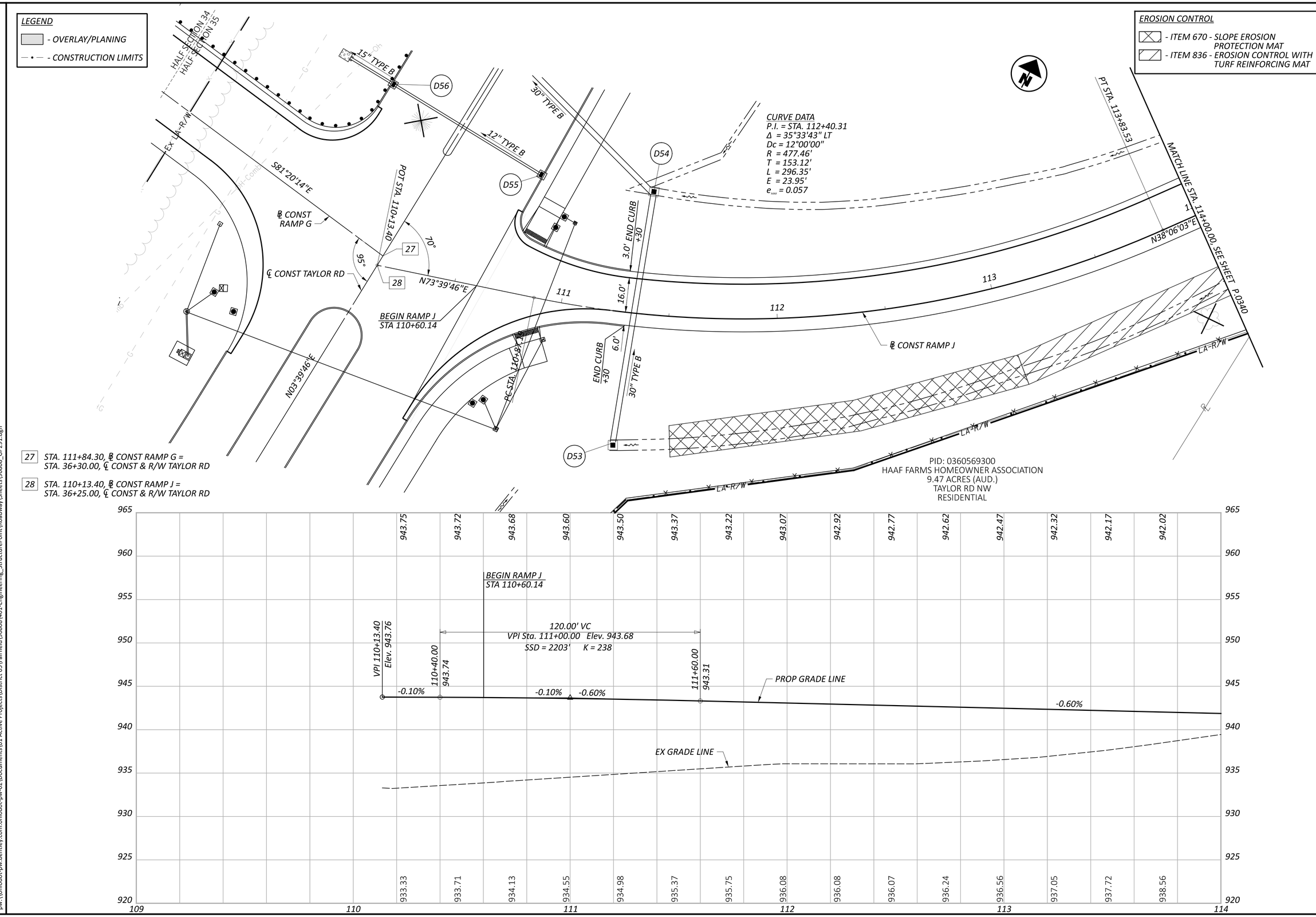


HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP J
STA. 110+13.32 TO STA. 114+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0339 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

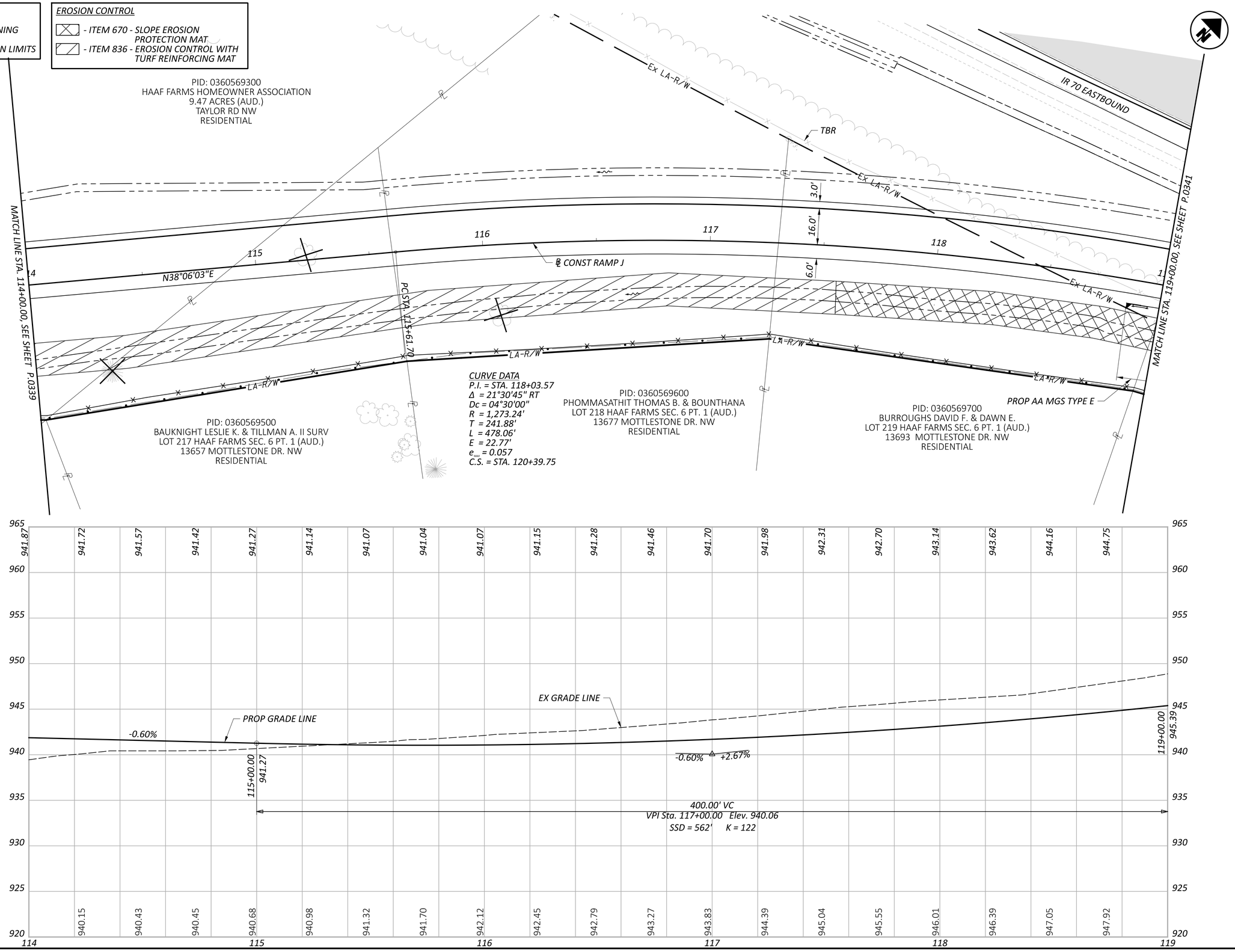
MODEL: BLP_R070J - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:45:05 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP291.dgn

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT
- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



HORIZONTAL SCALE IN FEET
0 10 20 40

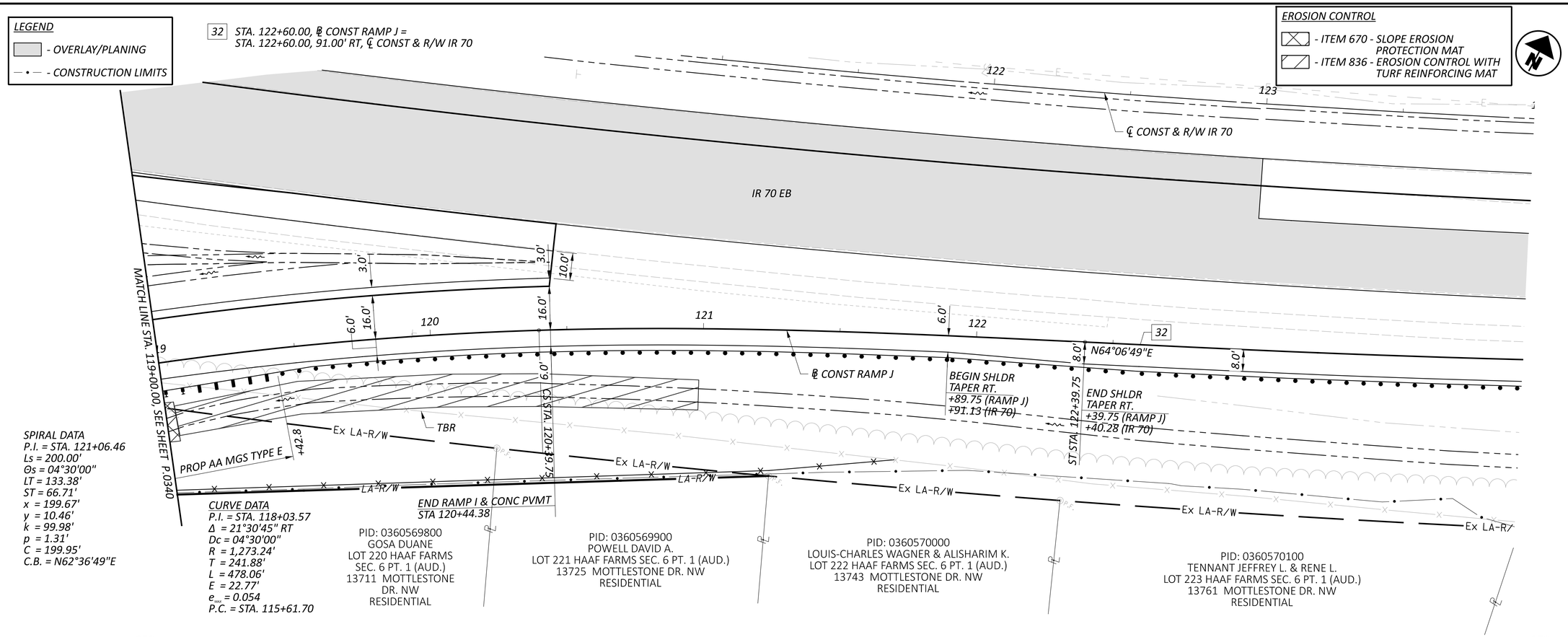
PLAN AND PROFILE - RAMP J
STA. 114+00.00 TO STA. 119+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070J - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:45:23 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP292.dgn

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0340
TOTAL	P.1556



HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - RAMP J
STA. 119+00.00 TO STA. 122+60.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

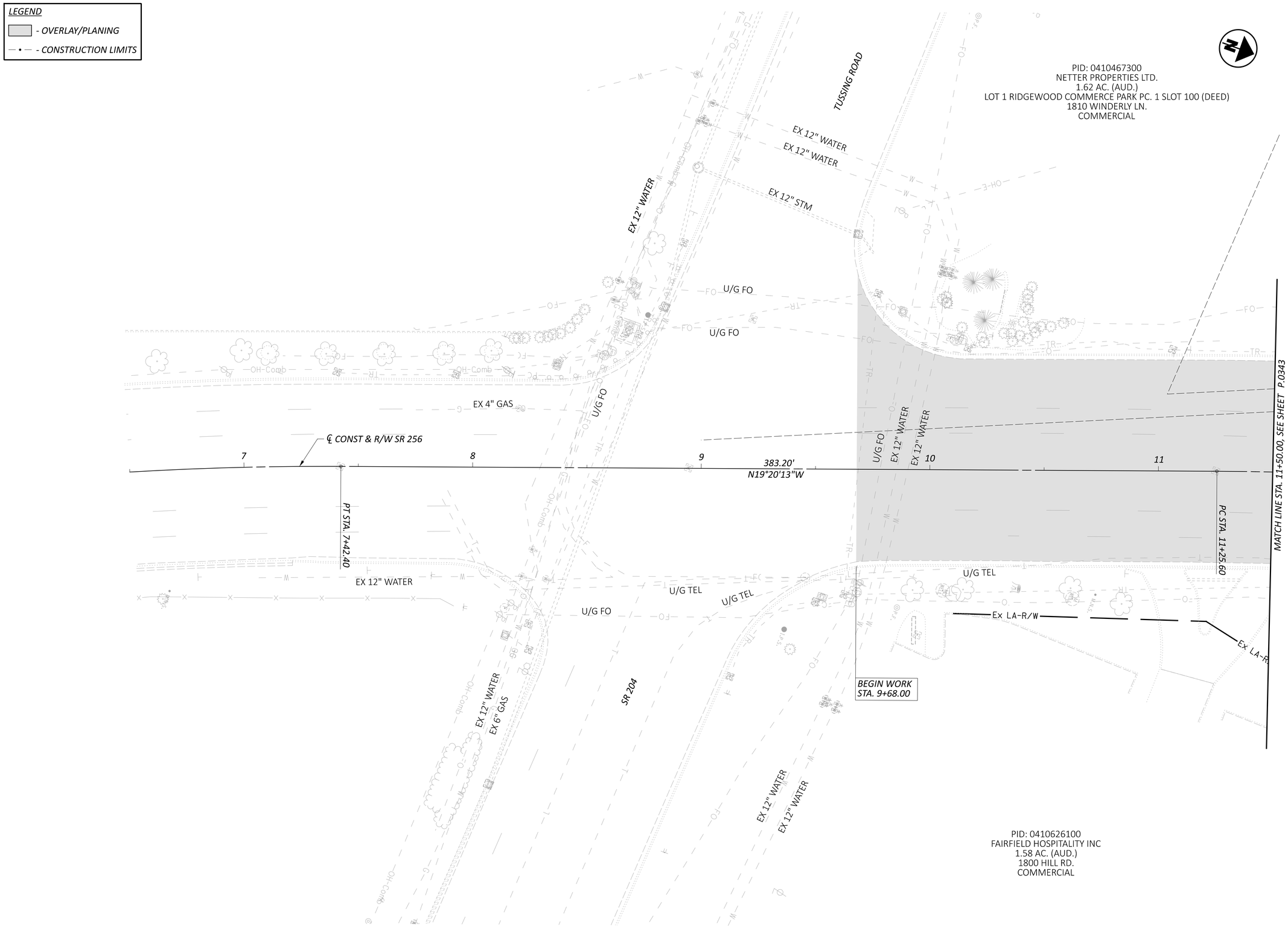
REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0341 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070J - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:45:42 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP293.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 256
STA. 6+50.00 TO STA. 11+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

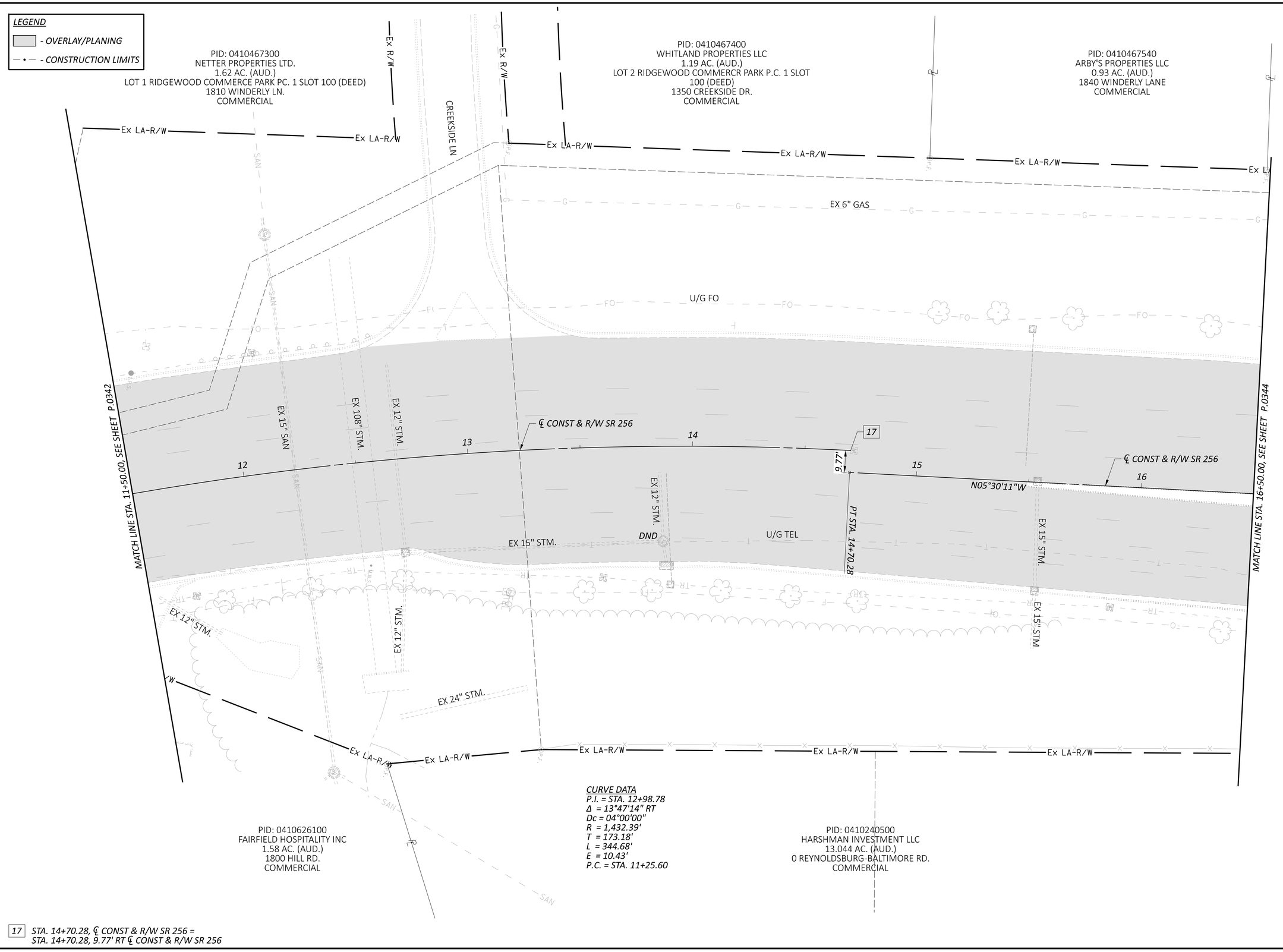
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0342 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S257 - Plan 12 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:46:02 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP464.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 256
STA. 11+50.00 TO STA. 16+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0343 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S256 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:46:20 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP401.dgn

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 670 - SLOPE EROSION PROTECTION MAT

PID: 0410467560
HUMBLE HOUSE LLC
1.04 AC. (AUD.)
1850 WINDERLY LANE
COMMERCIAL

PID: 0410467510
CRACKER BARREL OLD COUNTRY STORE INC.
2.96 AC. (AUD.)
1860 WINDERLY LANE
COMMERCIAL

Ex LA-R/W — Ex LA-R/W — Ex LA-R/W

℄ CONST RAMP E

END TAPER RT.
SC STA. 64+89.49

U/G FO

EX 6" GAS

10.0'

99

65

64

EX 12" STM.

32.6'

SAW CUT

TBR

11

21.3'

35.0'

+95.14

MATCH LINE STA. 16+50.00, SEE SHEET P.0343

17

18

+66.33

19

20

21

MATCH LINE STA. 21+50.00, SEE SHEET P.0345

37.0'

+25

9.0'

89°58'14"

16

80

89°58'14"

15

℄ CONST & R/W SR 256

44.0'

U/G TEL

DND

DND

52.0'

EX 36" STM.

U/G TEL

+81.49

SAW CUT

+57.26

13.3'

U/G FO

U/G FO

55.0' R

61

U/G FO

+11

250.0' R

68.5' R

+11.81

U/G ELEC

BEGIN CURB
+84

℄ CONST RAMP D

℄ CONST RAMP C

EX 18" STM.

18" TYPE A

79

Ex LA-R/W

END CURB
+56

N84°31'35"E

S84°31'35"W

D204

PID: 0410240500
HARSHMAN INVESTMENT LLC
13.044 AC. (AUD.)
0 REYNOLDSBURG-BALTIMORE RD.
COMMERCIAL

3.0'
7.0'
6.0'
16.0'
11.0'
16.0'
8.0'
6.0'

Ex LA-R/W

11 STA. 66+93.83, ℄ CONST RAMP E =
STA. 16+66.26, 45.93' LT, ℄ CONST & R/W SR 256

15 STA. 80+09.68, ℄ CONST RAMP D =
STA. 19+01.60, ℄ CONST & R/W SR 256

16 STA. 60+28.84, ℄ CONST RAMP C =
STA. 18+58.60, ℄ CONST & R/W SR 256

HORIZONTAL
SCALE IN FEET
0 10 20 40

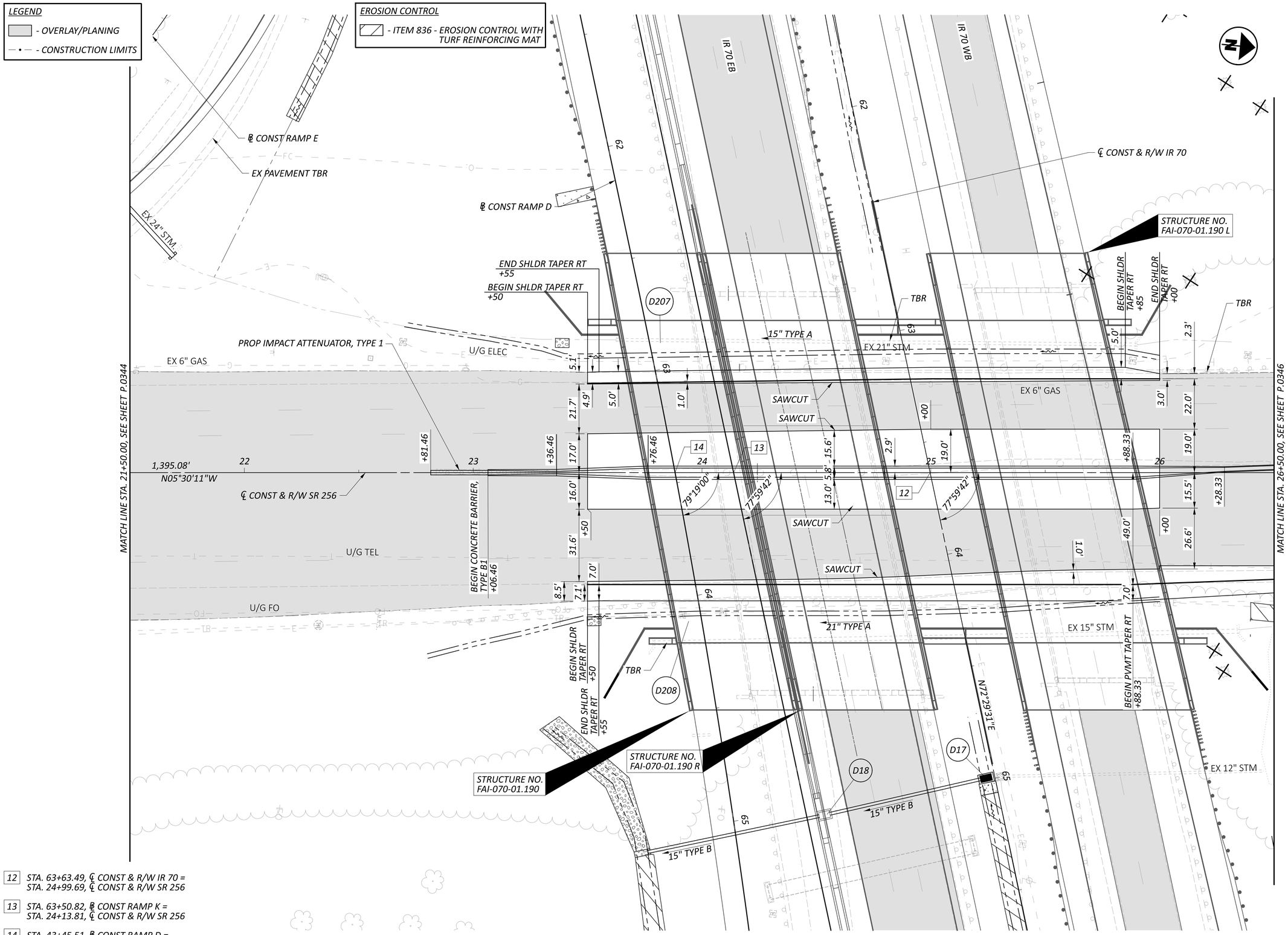
PLAN SHEET - SR 256
STA. 16+50.00 TO STA. 21+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/22/2025 TIME: 8:46:36 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP402.dgn

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0344
TOTAL	P.1556



12 STA. 63+63.49, ℄ CONST & R/W IR 70 = STA. 24+99.69, ℄ CONST & R/W SR 256

13 STA. 63+50.82, ℄ CONST RAMP K = STA. 24+13.81, ℄ CONST & R/W SR 256

14 STA. 43+45.51, ℄ CONST RAMP D = STA. 23+88.25, ℄ CONST & R/W SR 256

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN SHEET - SR 256
STA. 21+50.00 TO STA. 26+50.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: AJO

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0345 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S256 - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:46:54 PM USER: brieder
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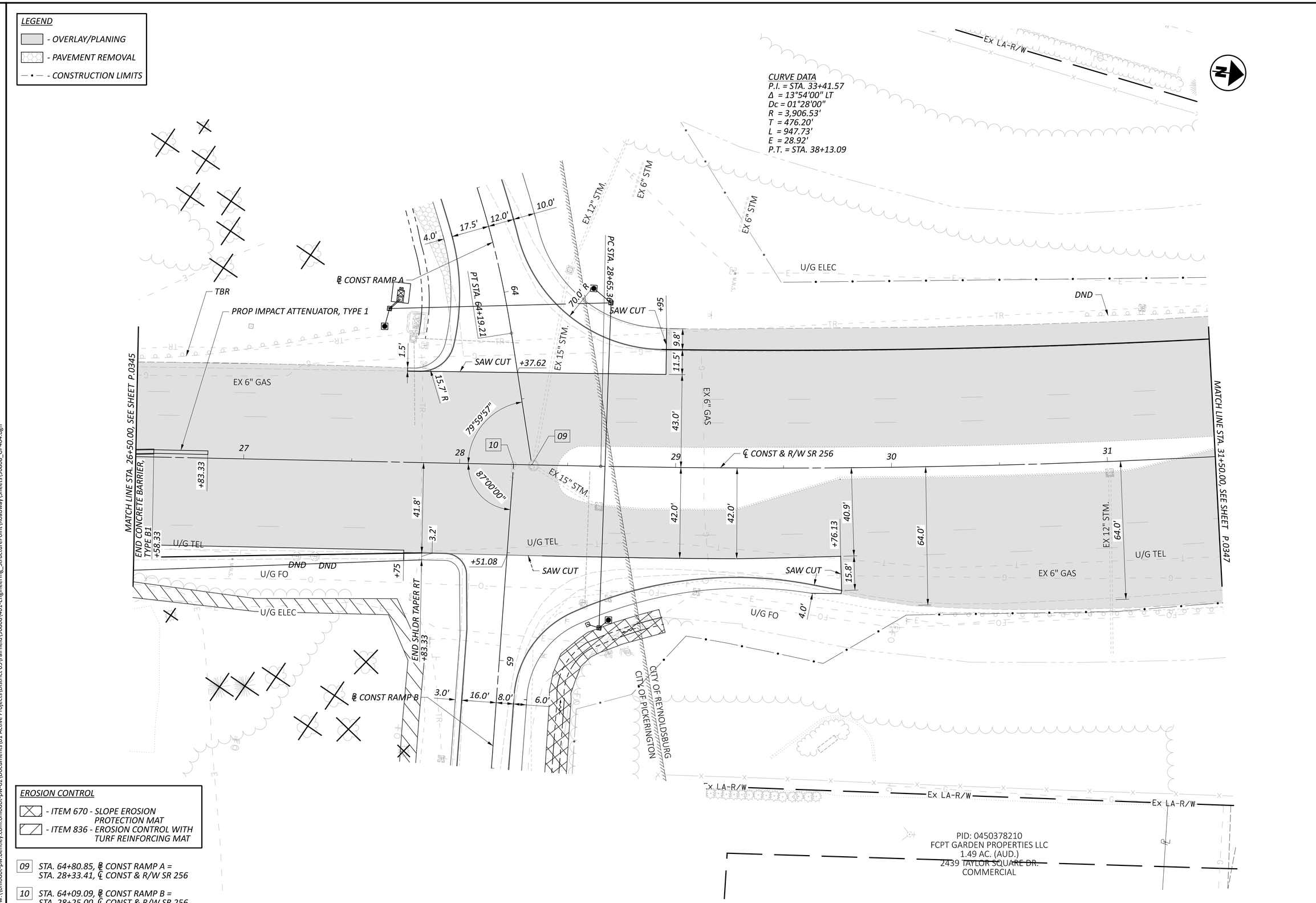

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S256 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:47:13 PM USER: brieder
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HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 256
STA. 26+50.00 TO STA. 31+50.00

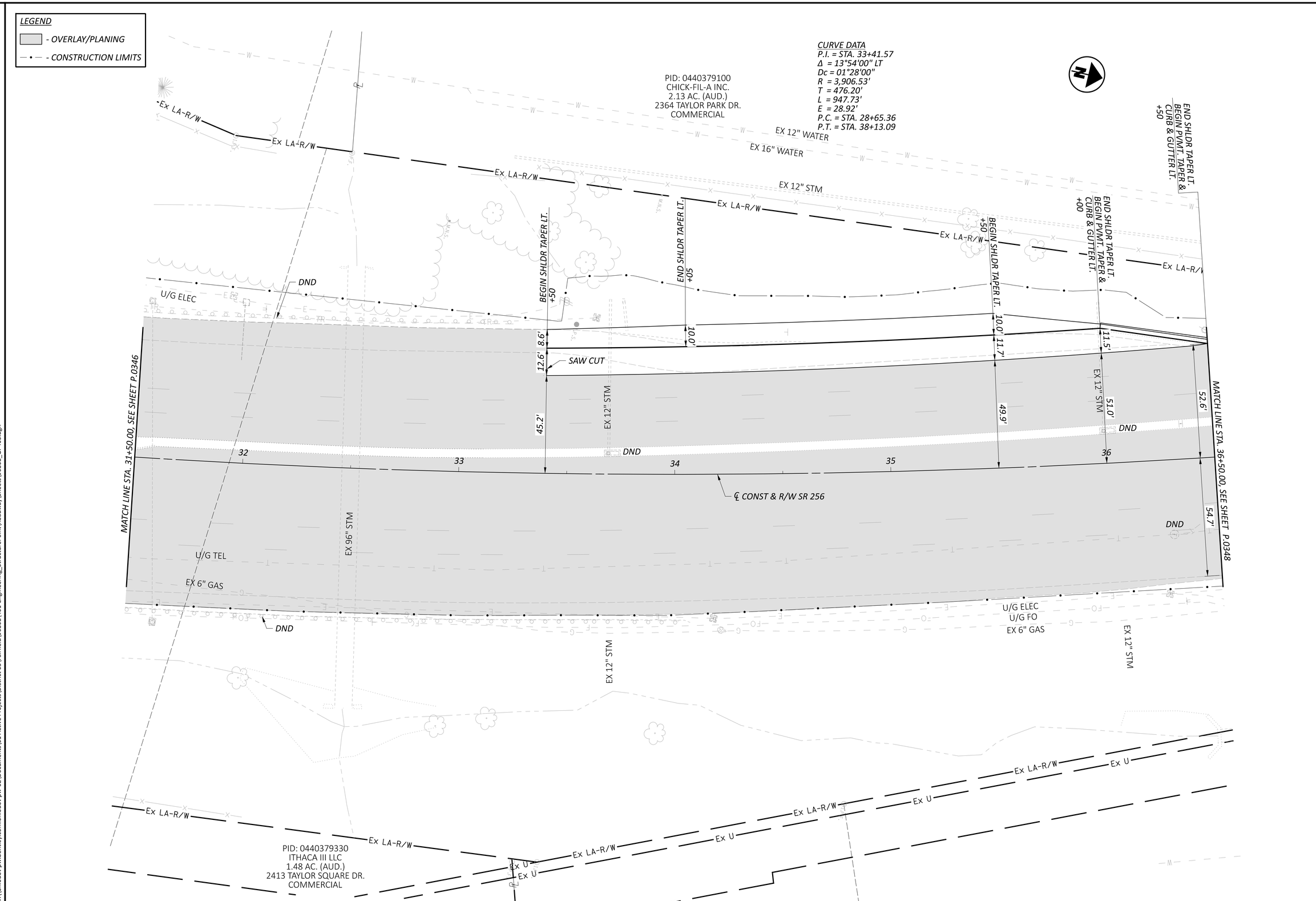
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0346 TOTAL P.1556



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 256
STA. 31+50.00 TO STA. 36+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0347 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S256 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:47:29 PM USER: brieder
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MODEL: CLP_S256 - Plan 6 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:47:47 PM USER: brieder
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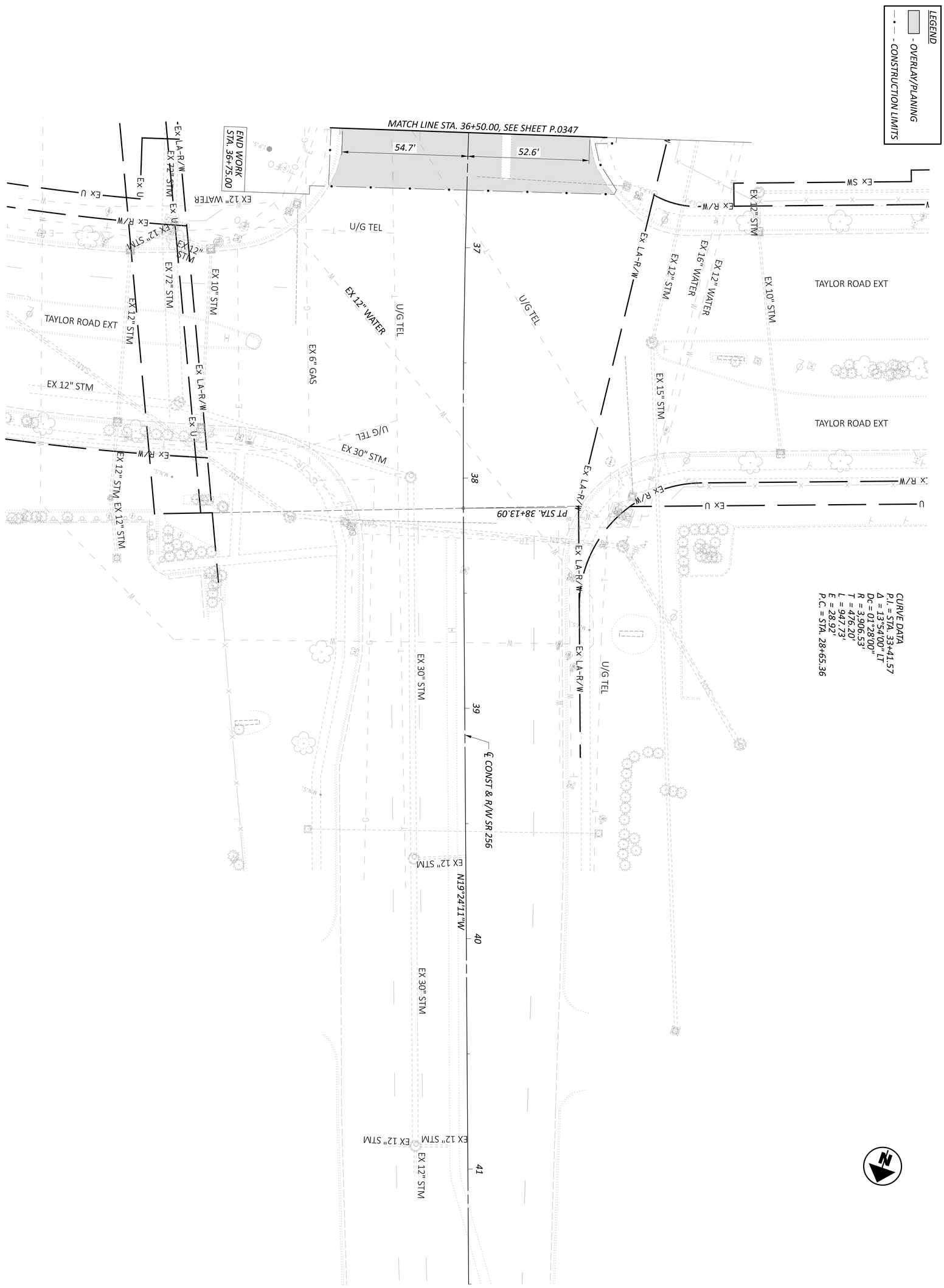


SHEET	TOTAL
P 0348	P 1556

PROJECT ID: 96808

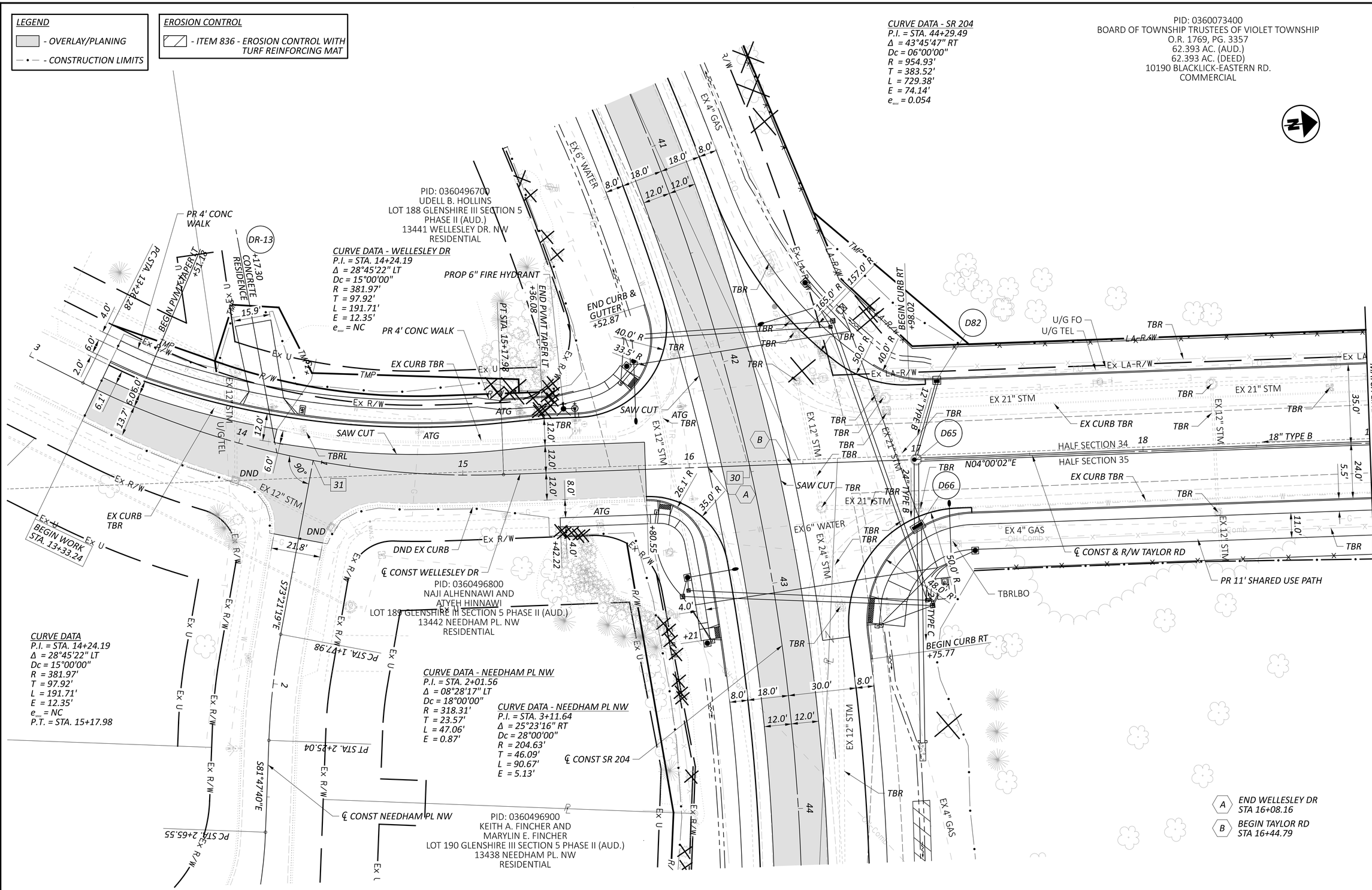
REVIEWER: KAM 04/25/25

DESIGNER: AJO

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PLAN SHEET - SR 256
STA. 36+50.00 TO STA. 41+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40



HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN SHEET - WELLESLEY DRIVE AND TAYLOR ROAD
STA. 13+33.24 TO STA. 19+00.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET: P.0349 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:48:04 PM USER: brieder
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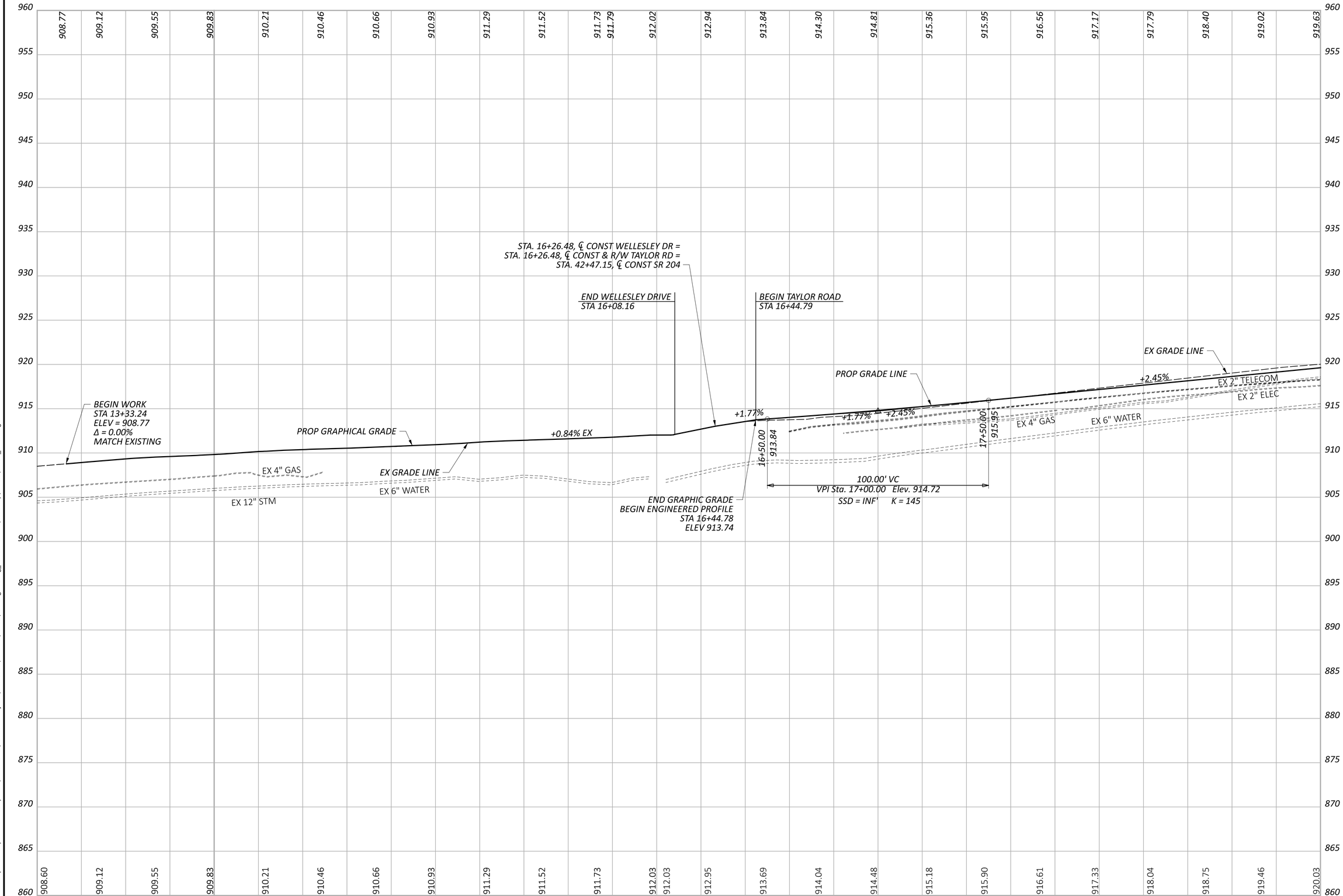

FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:48:43 PM USER: brieder
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PROFILE SHEET - WELLESLEY DRIVE AND TAYLOR ROAD STA. 14+00.00 TO STA. 19+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
FGW

REVIEWER
KAM 04/25/25

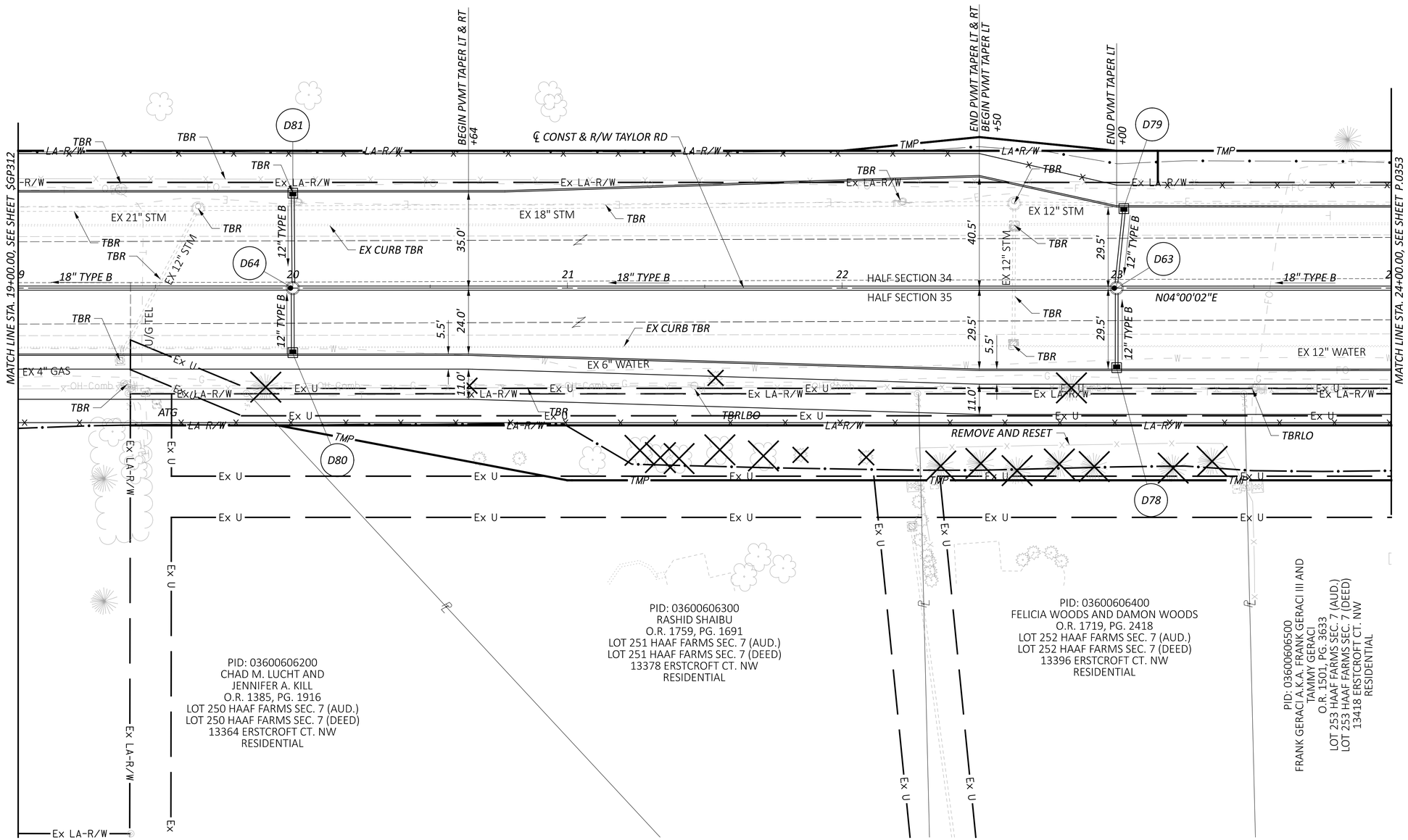
PROJECT ID
96808

SHEET P.0350 TOTAL P.1556

LEGEND

— • — - *CONSTRUCTION LIMITS*

PID: 0360073400
BOARD OF TOWNSHIP TRUSTEES OF VIOLET TOWNSHIP
O.R. 1769, PG. 3357
62.393 AC. (AUD.)
62.393 AC. (DEED)
10190 BLACKLICK-EASTERN RD.
COMMERCIAL



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD
STA. 19+00.00 TO STA. 24+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:48:59 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\RoadwayA\Sheets\96808_GP413.dgn

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0351
TOTAL	P.1556

PROFILE SHEET - TAYLOR ROAD
STA. 19+00.00 TO STA. 24+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:49:32 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\d01-Engineering_StructurePoint\Roadway\Sheets\96808_GF413.dgn

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER
FGW

REVIEWER
KAM 04/25/25

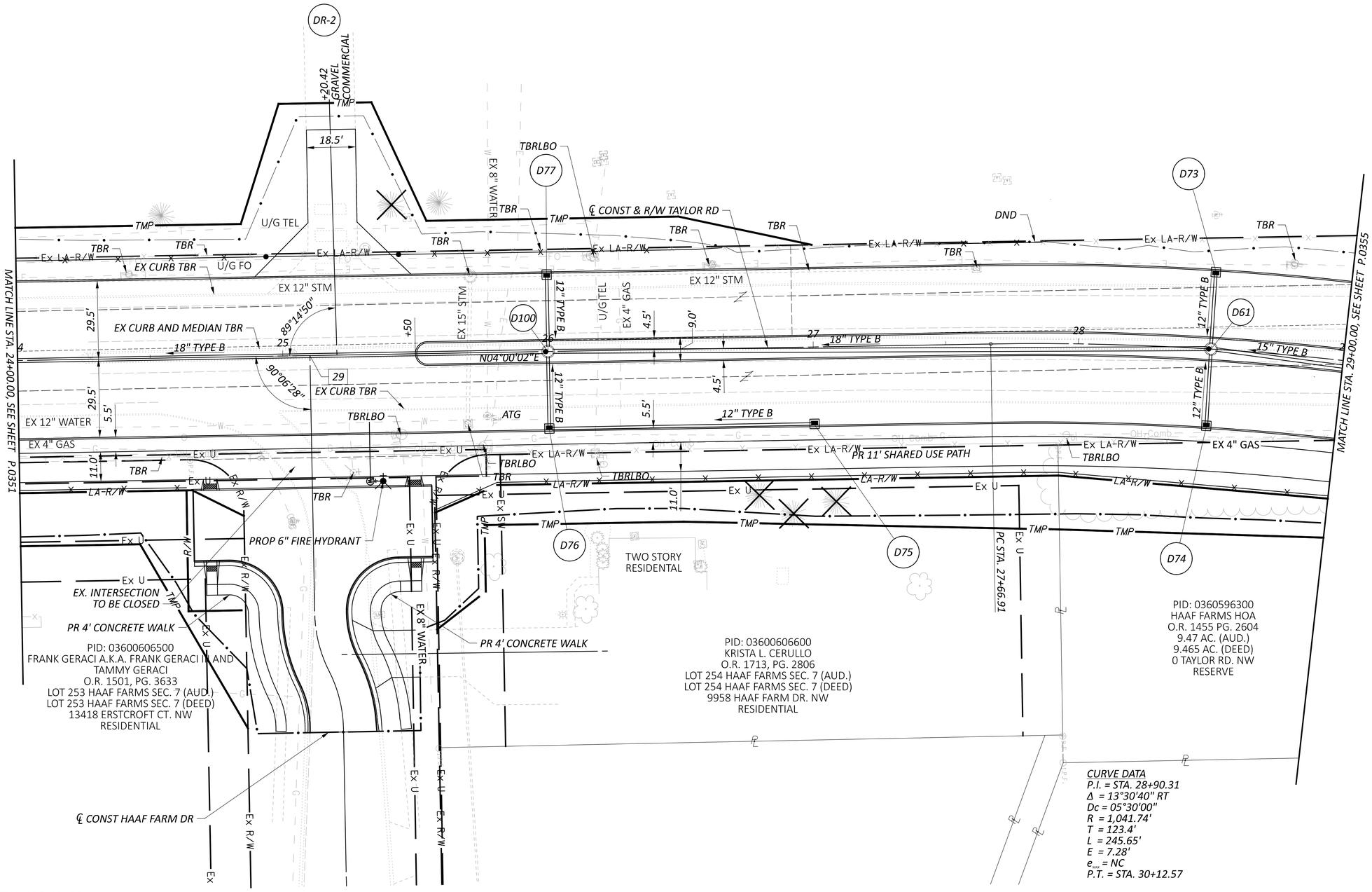
PROJECT ID
96808

SHEET P.0352 TOTAL P.1556

LEGEND

— • — - *CONSTRUCTION LIMITS*

PID: 0360073400
BOARD OF TOWNSHIP TRUSTEES OF VIOLET TOWNSHIP
O.R. 1769, PG. 3357
62.393 AC. (AUD.)
62.393 AC. (DEED)
10190 BLACKLICK-EASTERN RD.
COMMERCIAL



29 *STA. 1+00.00, ℄ CONST HAAF FARM DR = STA. 25+10.22, ℄ CONST & R/W TAYLOR RD*

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD
STA. 24+00.00 TO STA. 29+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0353 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:49:48 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:50:17 PM USER: brieder
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PROFILE SHEET - TAYLOR ROAD
STA. 24+00.00 TO STA. 29+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0354 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:50:32 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP415.dgn

LEGEND
- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

DRIVEWAY TO BE DISCUSSED WITH VIOLET TOWNSHIP

PID: 0360073400
BOARD OF TOWNSHIP TRUSTEES OF VIOLET TOWNSHIP
O.R. 1769, PG. 3357
62.393 AC. (AUD.)
62.393 AC. (DEED)
10190 BLACKLICK-EASTERN RD.
COMMERCIAL

CURVE DATA
P.I. = STA. 34+00.74
Δ = 13°50'56" LT
Dc = 05°30'00"
R = 1,041.74'
T = 126.52'
L = 251.80'
E = 7.65'
e_{max} = NC
P.T. = STA. 35+26.02

EX PAVEMENT TBR
EX CURB TBR
RAMP G
TBR
TBRLBO
Ex LA-R/W
TMP
OH-Comb
EX 4" GAS
MATCH LINE STA. 29+00.00 SEE SHEET P 0353
MATCH LINE STA. 34+00.00 SEE SHEET P 0357
D72
D60
D71
D70
D69
D59
D68
12" TYPE B
15" TYPE B
N17°30'42"E
PC STA. 32+74.23
PR 11' SHARED USE PATH
℄ CONST & R/W TAYLOR RD
LA-R/W
BEGIN PVMT TAPER RT +00
END PVMT TAPER RT +00
PT STA. 30+12.57
BEGIN PVMT TAPER LT & RT +13
25.5'
4.5'
8.5'
25.0'
5.5'
36.0'
5.0'
11.0'

PID: 0360596300
HAAF FARMS HOA
O.R. 1455 PG. 2604
9.47 AC. (AUD.)
9.465 AC. (DEED)
0 TAYLOR RD. NW
RESERVE

CURVE DATA
P.I. = STA. 28+90.31
Δ = 13°30'40" RT
Dc = 05°30'00"
R = 1,041.74'
T = 123.4'
L = 245.65'
E = 7.28'
e_{max} = NC
P.C. = STA. 27+66.91

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD
STA. 29+00.00 TO STA. 34+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0355 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:51:00 PM USER: brieder
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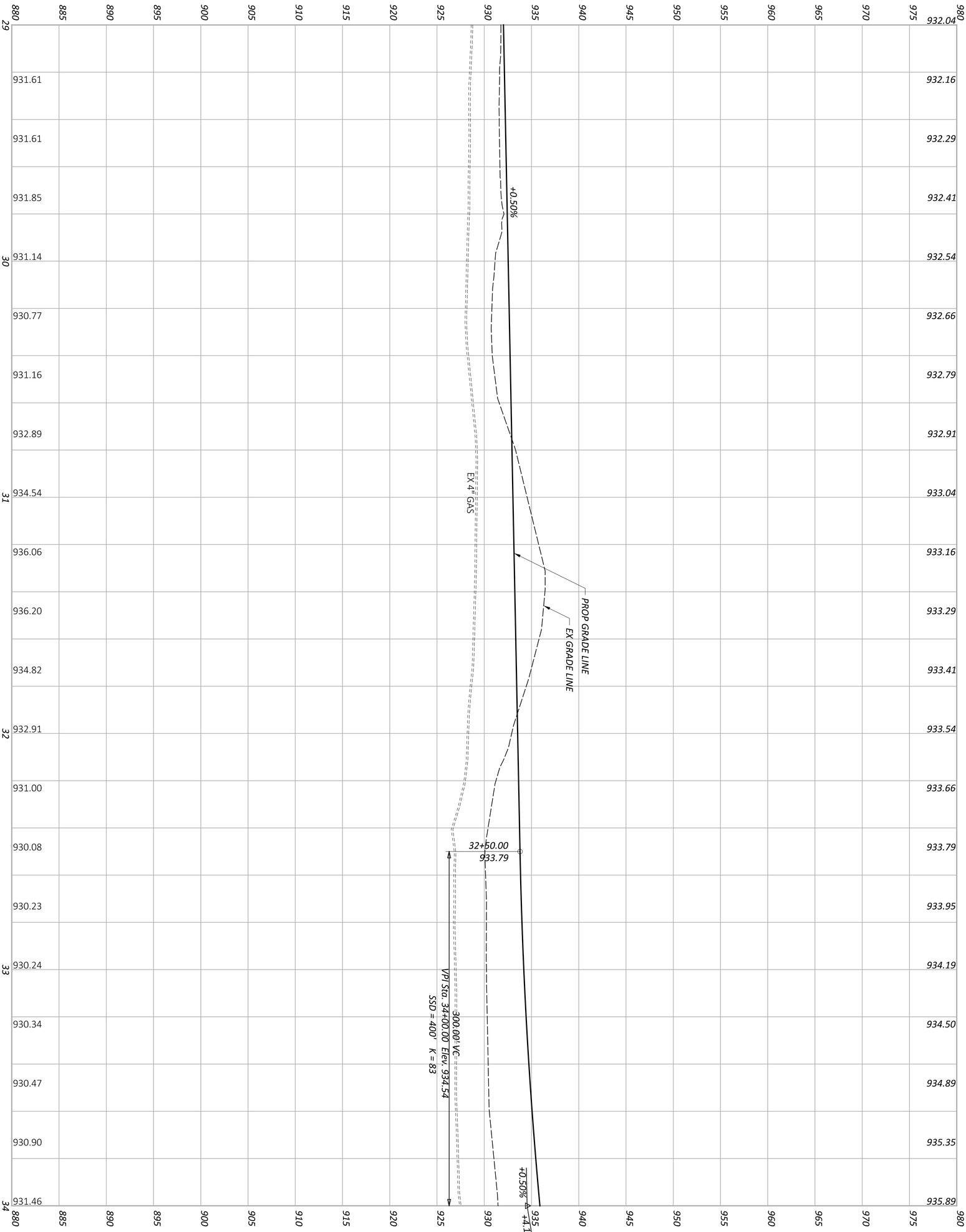

SHEET	TOTAL
P 0356	P 1556

PROJECT ID: 96808

REVIEWER: KAM 04/25/25

DESIGNER: FGW

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - TAYLOR ROAD
STA. 29+00.00 TO STA. 34+00.00

LEGEND

— • — - CONSTRUCTION LIMITS

EROSION CONTROL

▨ - ITEM 670 - SLOPE EROSION PROTECTION MAT

CURVE DATA
P.I. = STA. 34+00.74
Δ = 13°50'56" LT
Dc = 05°30'00"
R = 1,041.74'
T = 126.52'
L = 251.80'
E = 7.65'
e_{max} = NC
P.C. = STA. 32+74.23

CURVE DATA
P.I. = STA. 112+40.31
Δ = 35°33'43" LT
Dc = 12°00'00"
R = 477.46'
T = 153.12'
L = 296.35'
E = 23.95'
e_{max} = 0.057

PID: 0360596300
HAAF FARMS HOA
O.R. 1455 PG. 2604
9.47 AC. (AUD.)
9.465 AC. (DEED)
0 TAYLOR RD. NW
RESERVE

27 STA. 111+84.30, ℄ CONST RAMP G = STA. 36+30.00, ℄ CONST & R/W TAYLOR RD

28 STA. 110+13.40, ℄ CONST RAMP J = STA. 36+25.00, ℄ CONST & R/W TAYLOR RD

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD
STA. 34+00.00 TO STA. 39+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0357 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 6 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:51:16 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 6 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:51:45 PM USER: brieder
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PROFILE SHEET - TAYLOR ROAD
STA. 34+00.00 TO STA. 39+00.00

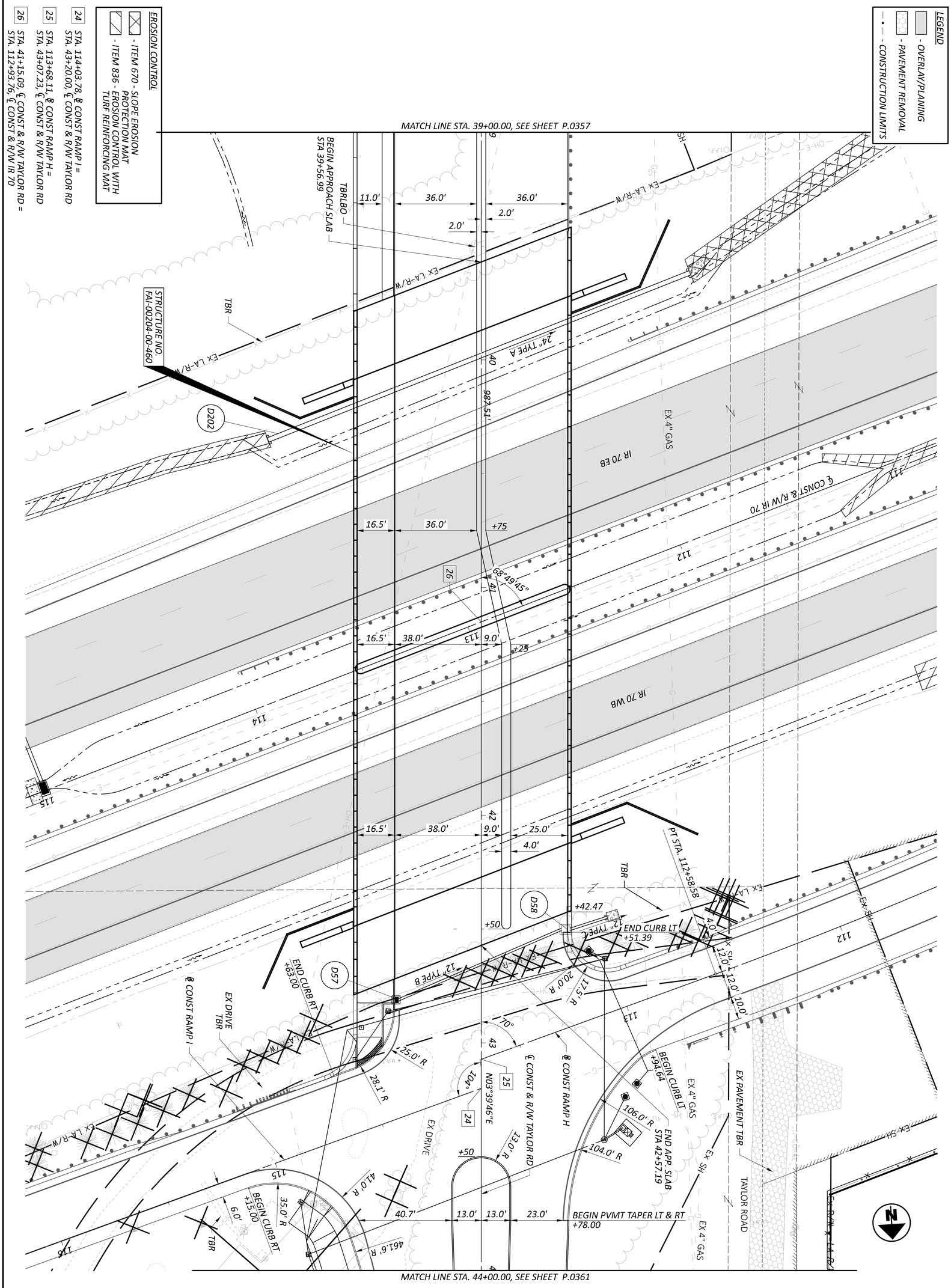
DESIGN AGENCY
MIDWEST STRUCTUREPOINT INC

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0358 TOTAL P.1556



SHEET P.0359	TOTAL P.1556	PROJECT ID 96808	REVIEWER KAM 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

PLAN SHEET - TAYLOR ROAD
STA. 39+00.00 TO STA. 44+00.00

HORIZONTAL SCALE IN FEET
0 10 20 40

FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 7 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:52:29 PM USER: brieder
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PROFILE SHEET - TAYLOR ROAD
STA. 39+00.00 TO STA. 44+00.00

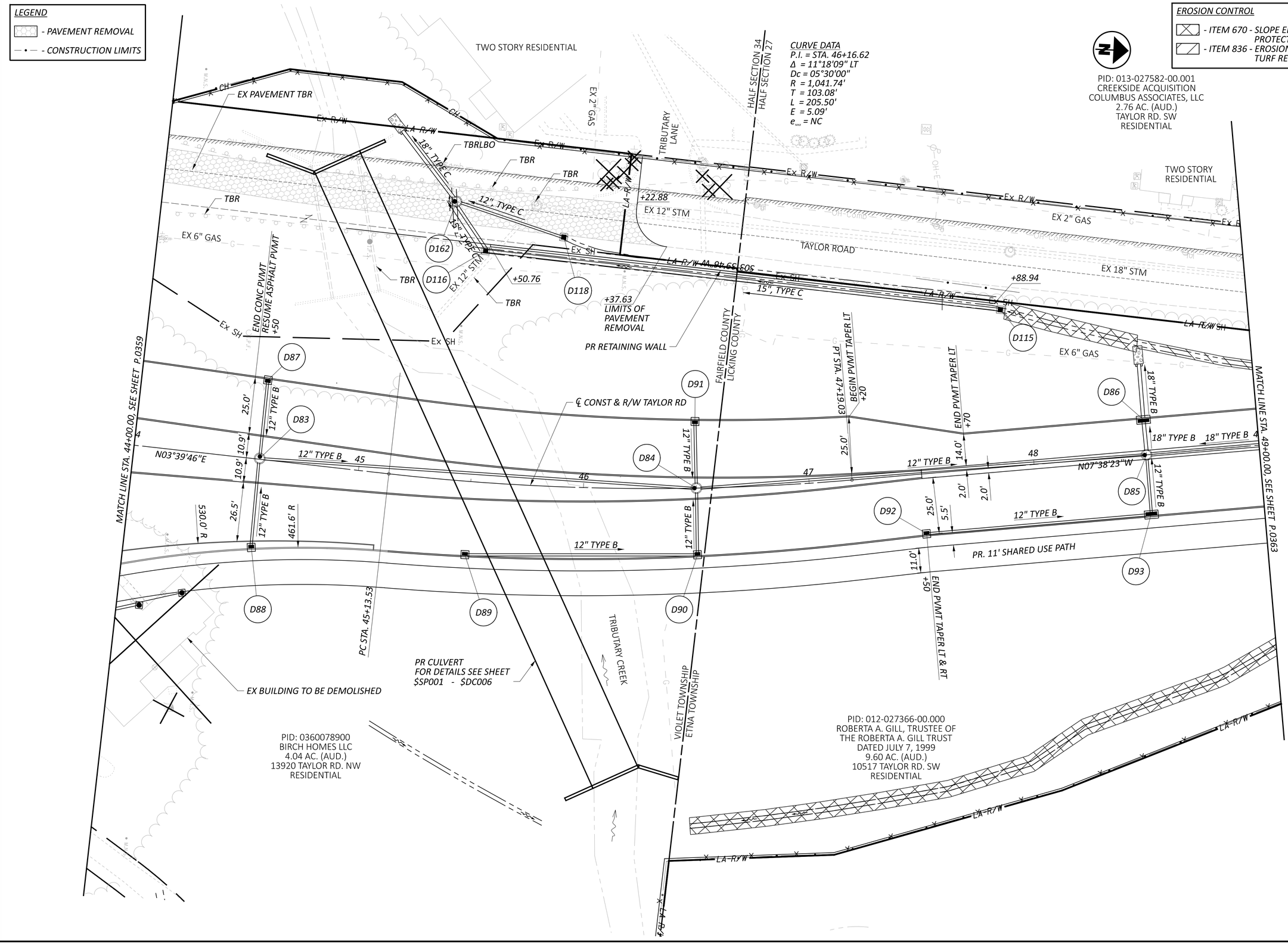
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0360 | TOTAL P.1556



PLAN SHEET - TAYLOR ROAD
STA. 44+00.00 TO STA. 49+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

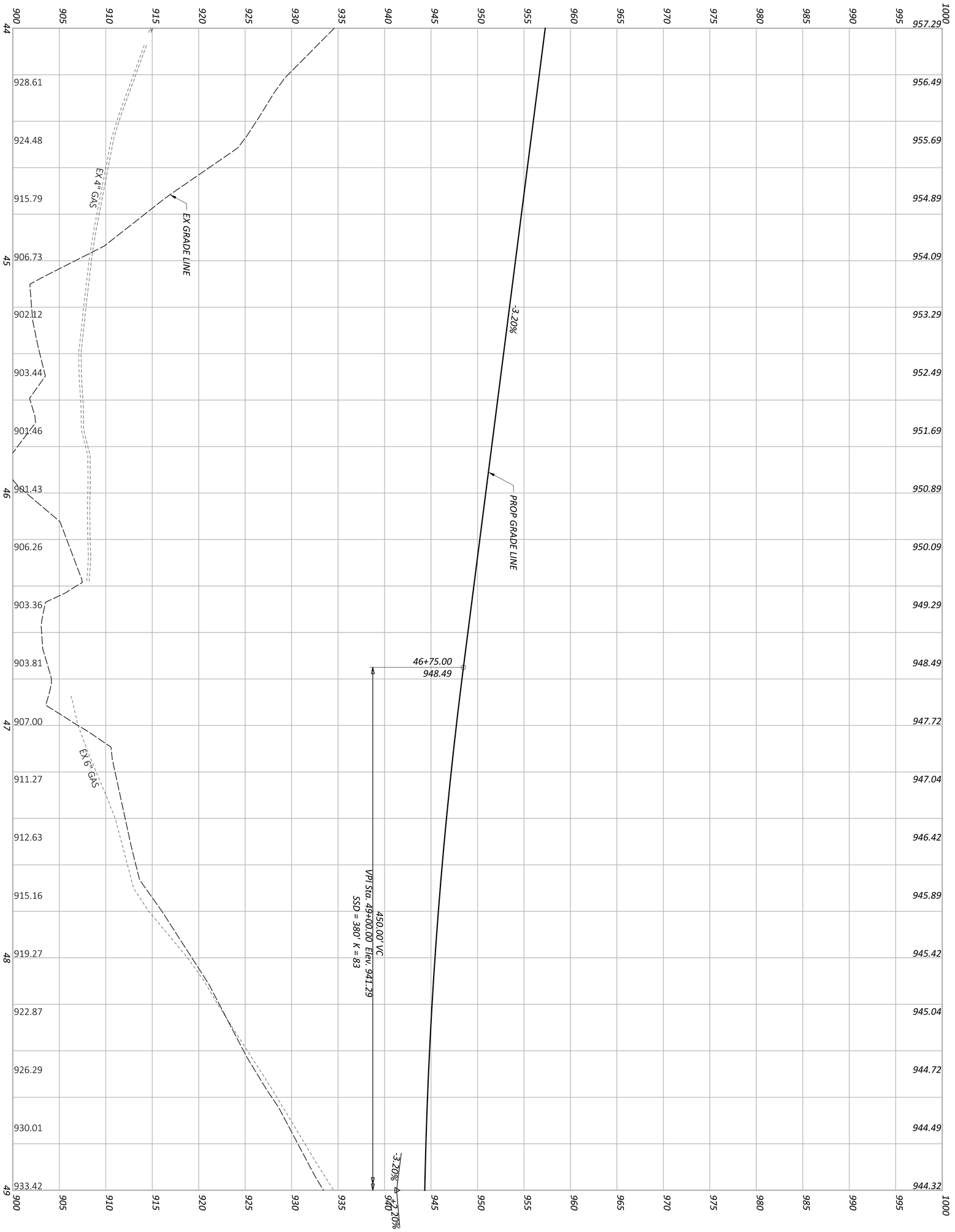
PROJECT ID
96808

SHEET P.0361 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:52:45 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP418.dgn

MODEL: PGL_CLP_TAYLOR - Profile 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:53:16 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GF418.dgn



SHEET	TOTAL
P 0362	P 1556

PROJECT ID	REVIEWER
96808	KAM 04/25/25

DESIGNER	DESIGN AGENCY
FGW	AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - TAYLOR ROAD
STA. 44+00.00 TO STA. 49+00.00

LEGEND

- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

HORIZONTAL SCALE IN FEET
0 10 20 40

PID: 013-027582-00.000
TERRACEVIEW APARTMENTS, LTD.
6.95 AC. (AUD.)
10564 TAYLOR RD. SW
RESIDENTIAL

CURVE DATA - TAYLOR RD SW
P.I. = STA. 13+90.69
Δ = 40°13'45" RT
Dc = 15°00'00"
R = 381.97'
T = 139.89'
L = 268.2'
E = 24.81'
e_{max} = NC

PID: 013-029502-00.000
CAROLYN M. YOUSEY
3.12 AC. (AUD.)
LOT 5
DEXTER HEIGHTS SUBDIVISION
TAYLOR RD. SW
RESIDENTIAL

PID: 013-027582-00.001
CREEKSIDE ACQUISITION COLUMBUS ASSOCIATES, LLC
2.76 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

CURVE DATA - TAYLOR RD
P.I. = STA. 51+36.59
Δ = 11°28'30" RT
Dc = 05°30'00"
R = 1,041.74'
T = 104.67'
L = 208.64'
E = 5.25'
e_{max} = NC

PID: 012-027366-00.000
ROBERTA A. GILL, TRUSTEE OF
THE ROBERTA A. GILL TRUST
DATED JULY 7, 1999
9.60 AC. (AUD.)
10517 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027528-00.000
GERALD SAFFO AND DEBRA SAFFO
4.82 AC. (AUD.)
10479 TAYLOR RD. SW
RESIDENTIAL

23 STA. 15+74.78, ℄ CONST TAYLOR RD SW = STA. 51+00.00, ℄ CONST & R/W TAYLOR RD

PLAN SHEET - TAYLOR ROAD
STA. 49+00.00 TO STA. 54+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0363 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 9 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:53:31 PM USER: brieder
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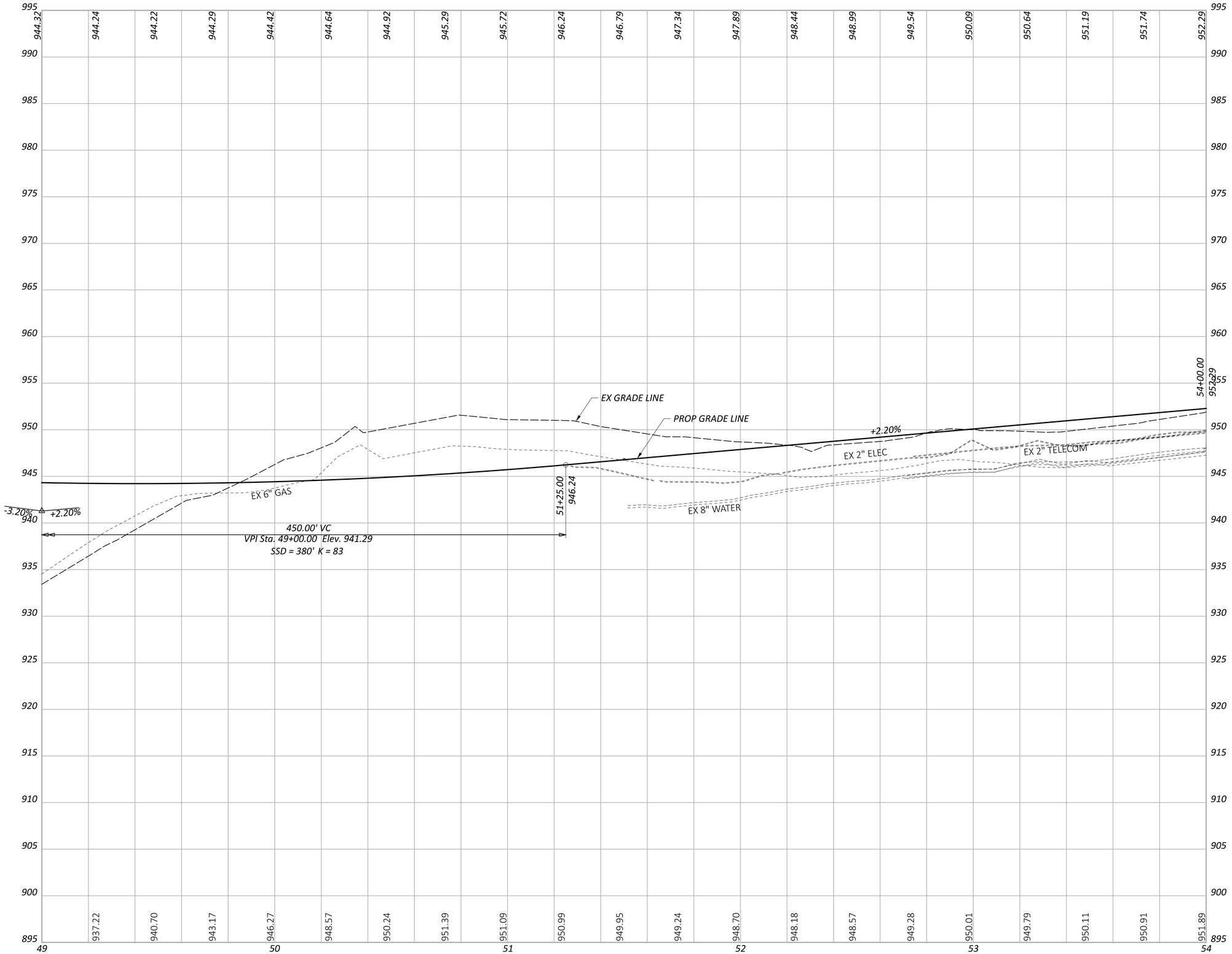

FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 9 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:54:01 PM USER: brieder
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PROFILE SHEET - TAYLOR ROAD
STA. 49+00.00 TO STA. 54+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0364 TOTAL P.1556

LEGEND

- OVERLAY/PLANING
- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

PID: 013-029496-00.000
CAROLYN M. YOUSEY
0.75 AC. (AUD.)
PT. OF LOT 4
DEXTER HEIGHTS SUBDIV.
TAYLOR RD. SW
RESIDENTIAL

PID: 013-027582-00.003
BOARD OF EDUCATION OF REYNOLDSBURG CITY SCHOOL DISTRICT, FAIRFIELD, FRANKLIN AND LICKING COUNTIES, OHIO
13.34 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

PID: 013-027852-00.000
GREGORY C. OTTING AND MYRNA LEE OTTING
1.21 AC. (AUD.)
LOT 3
DEXTER HEIGHTS SUBDIVISION
10434 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027882-00.000
LYNN A. HINSHAW AND HSIU C. SHIH
2.67 AC. (AUD.)
LOT 2
DEXTER HEIGHTS SUBDIVISION
10416 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027528-00.000
GERALD SAFFO AND DEBRA SAFFO
4.82 AC. (AUD.)
10479 TAYLOR RD. SW
RESIDENTIAL

PID: 012-028488-00.000
GARY CARTER AND BETTY CARTER
4.59 AC. (AUD.)
10393 TAYLOR RD. SW
RESIDENTIAL

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD
STA. 54+00.00 TO STA. 59+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 10 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:54:16 PM USER: brieder
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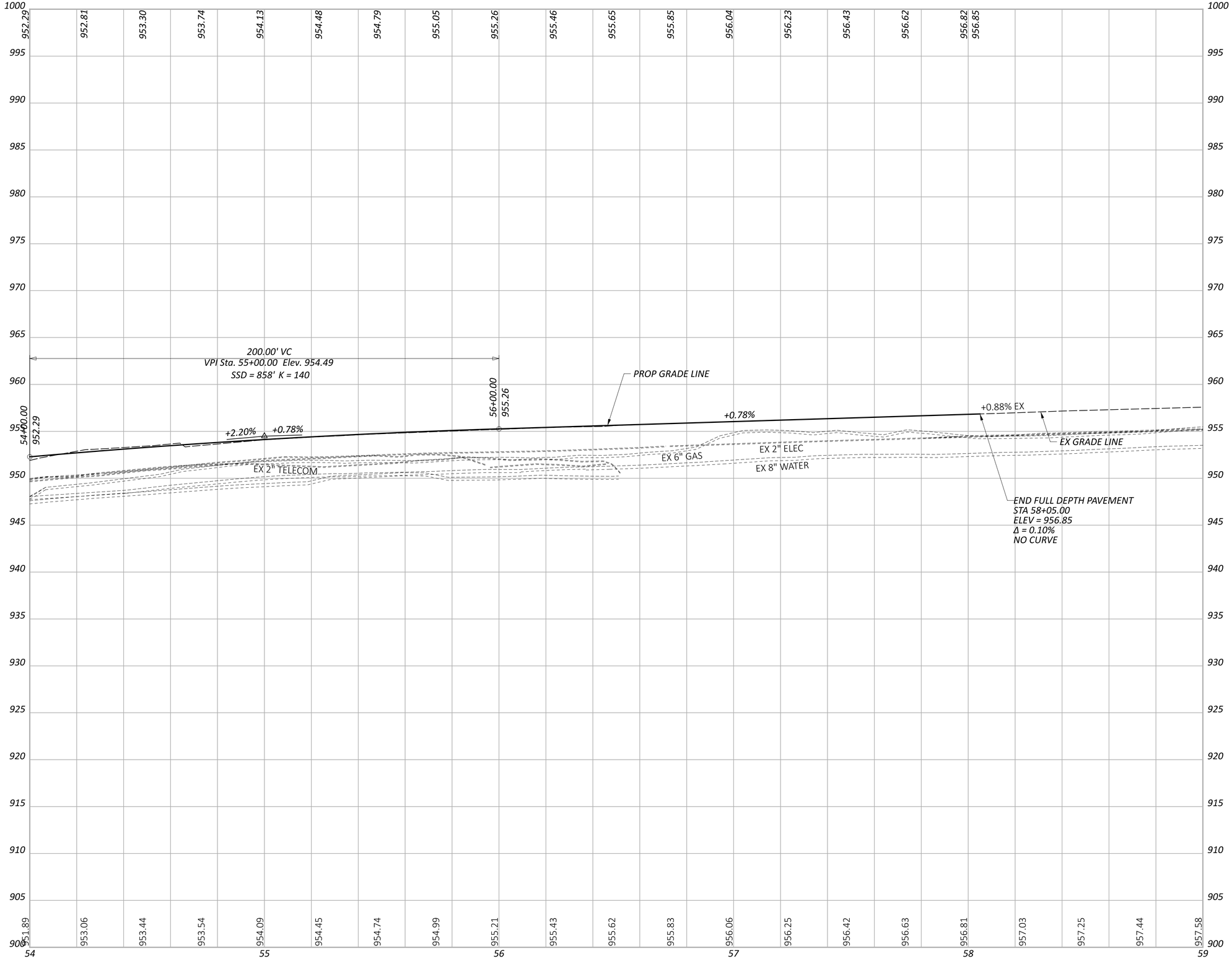
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0365 TOTAL P.1556



PROFILE SHEET - TAYLOR ROAD
STA. 54+00.00 TO STA. 59+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: PGL_CLP_TAYLOR - Profile 10 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:54:45 PM USER: brieder
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0366 TOTAL P.1556

MODEL: CLP_TAYLOR - Plan 11 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:55:00 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GP421.dgn

LEGEND

- *OVERLAY/PLANING*
- *CONSTRUCTION LIMITS*

PID: 012-028626-00.000
BRIAN R. ESTEPP
1.5 AC. (AUD.)
10380 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027522-00.000
ANGELA MARIE JACKSON YOUSEY AND CHRISTOPHER MICHAEL YOUSEY
5.00 AC. (AUD.)
10360 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027522-01.000
JIMMIE A. JAMES AND DEBORAH J. JAMES
4.82 AC. (AUD.)
10330 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027882-00.000
LYNN A. HINSHAW AND HSIU C. SHIH
2.67 AC. (AUD.)
LOT 2
DEXTER HEIGHTS SUBDIVISION
10416 TAYLOR RD. SW
RESIDENTIAL

END WORK STA. 61+00.00

+78.51 ASPHALT RESIDENCE

DR-10

11'

MATCH LINE STA. 59+00.00, SEE SHEET P.0365

℄ CONST & R/W TAYLOR RD

N03°50'07"E

2,054.30'

90°

EX 12" STM
EX 3" SAN
EX 8" WATER
EX 6" GAS
Ex SH
Ex R/W
OH Cond
SAN
W
G
E
T
OHE

PID: 012-028488-00.000
GARY CARTER AND BETTY CARTER
4.59 AC. (AUD.)
10393 TAYLOR RD. SW
RESIDENTIAL

PID: 012-07396-00.000
BRADLEY A. GOSNELL, TRUSTEE OR HIS SUCCESSOR(S) AS TRUSTEES OF "THE GOSNELL KEYSTONE INHERITANCE TRUST", DATED SEPTEMBER 23, 2009
I.N. 200911170024929

PID: 012-028914-00.000
BOBBY L. TRIVETT AND RUTH DELORES TRIVETT
D.B. 525, PG. 547
1.81 AC. (AUD.)
1.011 AC. (DEED)
10371 TAYLOR RD. SW
RESIDENTIAL

PID: 012-027384-00.000
BRADLEY A. GOSNELL, TRUSTEE OR HIS SUCCESSOR(S)
AS TRUSTEES OF "THE GOSNELL KEYSTONE INHERITANCE TRUST",
DATED SEPTEMBER 23, 2009
I.N. 200911170024929
13.65 AC. (AUD.)
14.00 AC. (DEED)
10383 TAYLOR RD. SW
RESIDENTIAL

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD
STA. 59+00.00 TO STA. 64+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0367 TOTAL P.1556

MODEL: PGL_CLP_TAYLOR - Profile 11 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:55:29 PM USER: brieder
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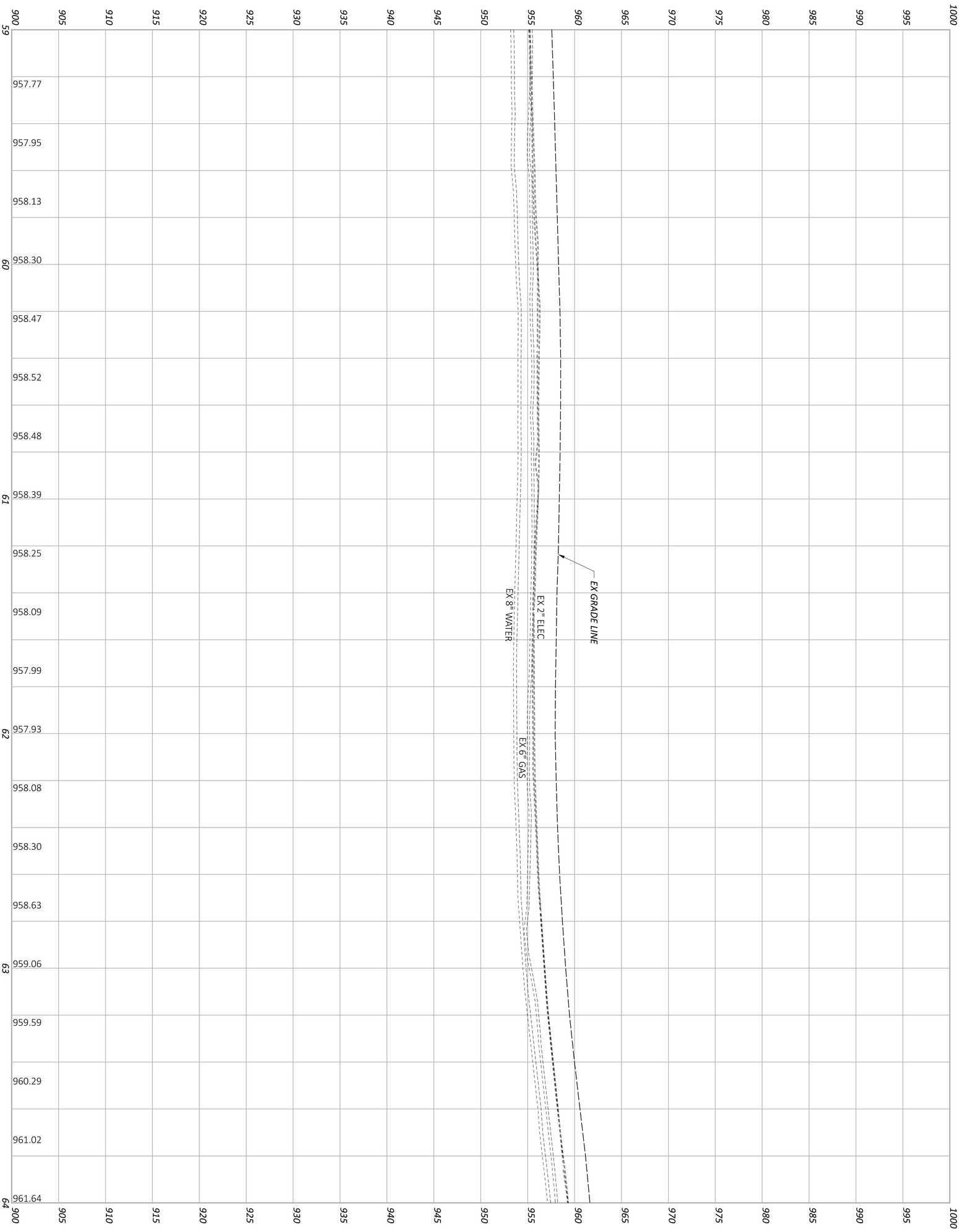

SHEET	TOTAL
P 0368	P 1556

PROJECT ID: 96808

REVIEWER: KAM 04/25/25

DESIGNER: FGW

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - TAYLOR ROAD
STA. 59+00.00 TO STA. 64+00.00

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

CURVE DATA
P.I. = STA. 37+12.90
Δ = 03°55'20" LT
Dc = 01°02'30"
R = 5,500.00'
T = 188.32'
L = 376.50'
E = 3.22'

PID: 0360073400
BOARD OF TOWNSHIP TRUSTEES OF VIOLET TOWNSHIP
O.R. 1769, PG. 3357
62.393 AC. (AUD.)
62.393 AC. (DEED)
10190 BLACKLICK-EASTERN RD.
COMMERCIAL

HORIZONTAL SCALE IN FEET
0 10 20 40

BEGIN WORK
STA. 32+00.00

CURVE DATA
P.I. = STA. 37+12.90
Δ = 03°55'20" LT
Dc = 01°02'30"
R = 5,500.00'
T = 188.32'
L = 376.50'
E = 3.22'
P.T. = STA. 39+01.08

PC STA. 35+24.58

MATCH LINE STA. 35+75.00, SEE SHEET P.0371

Ex SH
FO
U/G FO
U/G TEL
EX 12" STM
EX 6" WATER
EX 6" GAS
EX 12" STM
827.24'
N75°15'32"E
℄ CONST SR 204
31
32
33
34
35
Ex R/W
RUSTIC DR
PID: 0360214200
NICHOLAS E. NEWCOME AND
JESSICA L. NEWCOME
LOT 37 SUMMERFIELD PT I (AUD.)
NORTH CROSSET HILL DR. NW
RESIDENTIAL
PID: 0360214100
NICHOLAS E. NEWCOME AND
JESSICA L. NEWCOME
LOT 36 SUMMERFIELD PT I (AUD.)
13369 RUSTIC DR. NW
RESIDENTIAL
PID: 0360210600
MATTHEW M. BROCK AND
NICOLE L. BROCKE
LOT 1 SUMMERFIELD PT I (AUD.)
13372 RUSTIC DR. NW
RESIDENTIAL

PLAN SHEET - SR 204
STA. 30+75.00 TO STA. 35+75.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0369 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:55:44 PM USER: brieder
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MODEL: CLP_S204 - Profile 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:55:59 PM USER: brieder
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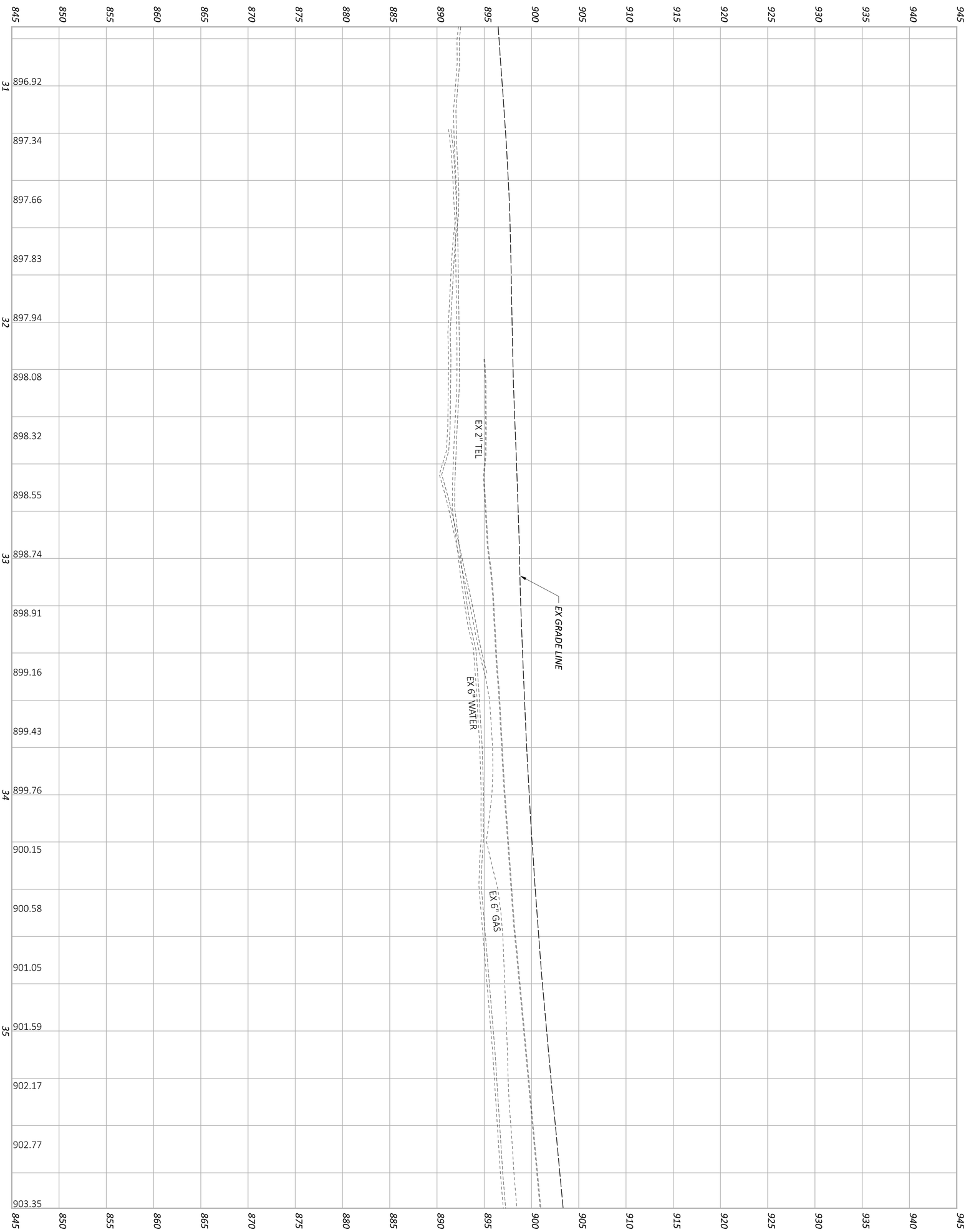

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P 0370	P 1556	96808	KAM 04/25/25	FGW	AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - SR 204
STA. 30+75.00 TO STA. 35+75.00

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

HORIZONTAL SCALE IN FEET
0 10 20 40

PID: 0360073400
BOARD OF TOWNSHIP TRUSTEES OF VIOLET TOWNSHIP
O.R. 1769, PG. 3357
62.393 AC. (AUD.)
62.393 AC. (DEED)
10190 BLACKLICK-EASTERN RD.
COMMERCIAL

CURVE DATA
P.I. = STA. 37+12.90
Δ = 03°55'20" LT
Dc = 01°02'30"
R = 5,500.00'
T = 188.32'
L = 376.50'
E = 3.22'
P.C. = STA. 35+24.58

BEGIN FULL DEPTH PVMT STA. 36+50.00

BEGIN PVMT & SHLDR TAPER LT & RT

END PVMT & SHLDR TAPER LT & RT

PT STA. 39+01.00

+97.00

MATCH LINE STA. 35+75.00, SEE SHEET P.0369

MATCH LINE STA. 40+75.00, SEE SHEET P.0373

SH
Ex SH
U/G FO
12" TYPE B
U/G TEL
EX 12" STM
TBR
TBRLBO
EX 4" GAS
SAW CUT
Ex R/W
LA-R/W
Ex LA-
EX 6" WATER
EX 6" GAS
Ex U
TMP
D123
DR-11
D211
+60.00 CONCRETE RESIDENCE
15" TYPE A
20.8'
N71°20'12"E
10°
℄ CONST SR 204
PC STA. 40+45.97

36 37 38 39 40

2.0' 5.5' 11.0' 10.7' 10.8' 2.0' 8.0' 18.0' 9.0' 9.0' 12.0'

PID: 0360210700
TIMOTHY R. PITT AND
KAREN S. PITT, TRUSTEES
OF THE TIMOTHY R. PITT & KAREN S. PITT
JOINT TRUST EXECUTED APRIL 27, 2018
LOT 2 SUMMERFIELD PT I (AUD.)
10124 NORTH CROSSET HILL PL. NW
RESIDENTIAL

PID: 0360496500
DEBRA ELAINE ROY, TRUSTEE
OF THE DEBRA ELAINE ROY TRUST DATED
OCTOBER 25, 1999
LOT 186 GLENSHIRE III SECTION 5 PHASE II (AUD.)
10055 BLACKLICK-EASTERN RD. NW
RESIDENTIAL

PID: 0360496700
UDELL B. HOLLINS
LOT 188 GLENSHIRE III SECTION 5
PHASE II (AUD.)
13441 WELLESLEY DR. NW
RESIDENTIAL

CURVE DATA
P.I. = STA. 44+29.49
Δ = 43°45'47" RT
Dc = 06°00'00"
R = 954.93'
T = 383.52'
L = 729.38'
e_{max} = 0.054
P.T. = STA. 47+75.36

PLAN SHEET - SR 204
STA. 35+75.00 TO STA. 40+75.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0371 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:56:17 PM USER: brieder
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_GP431.dgn

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5204 - Profile 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:56:35 PM USER: brieder
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PROFILE SHEET - SR 204
STA. 35+75.00 TO STA. 40+75.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

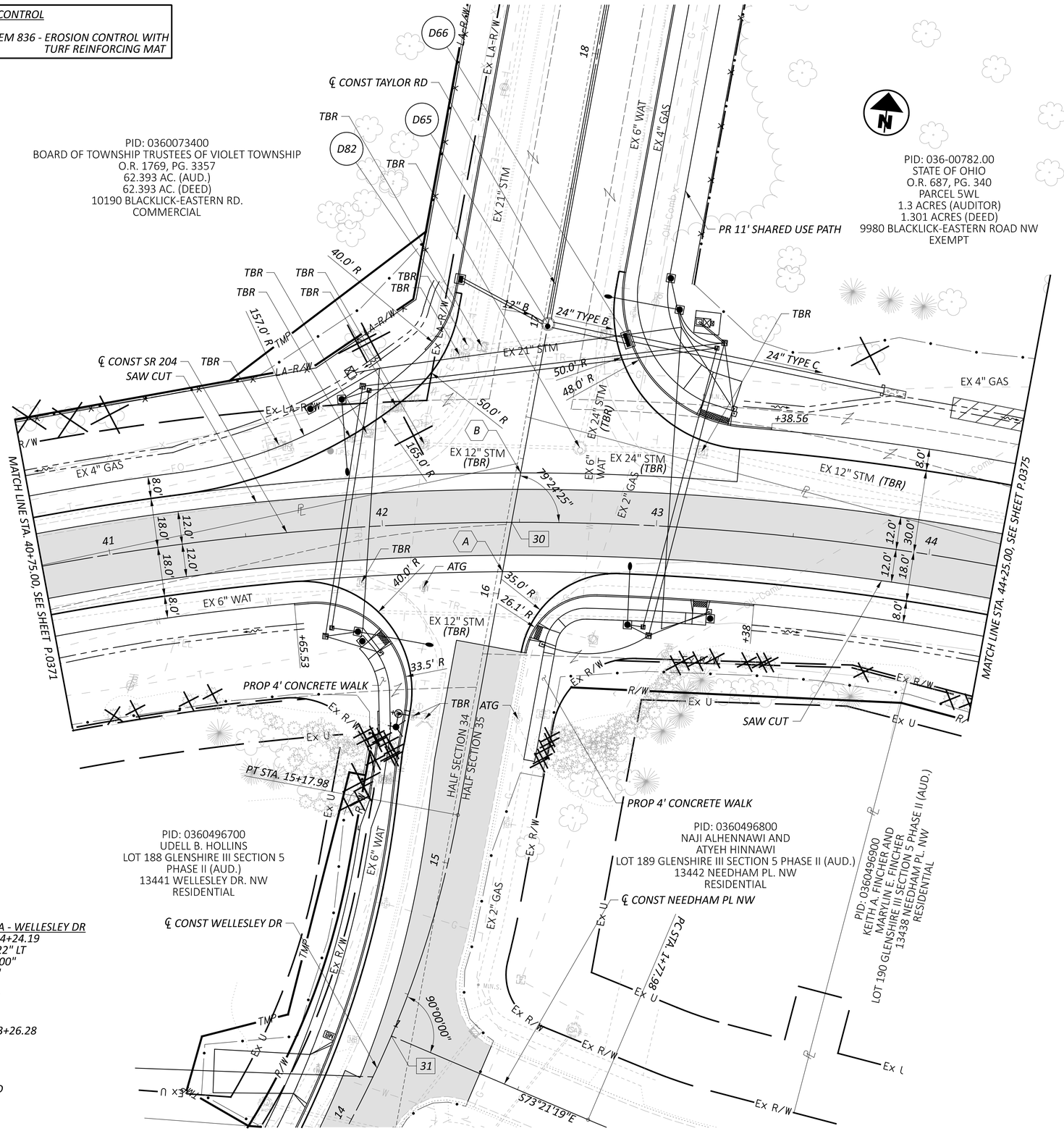
SHEET P.0372 TOTAL P.1556

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

EROSION CONTROL

- ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



CURVE DATA - SR 204
P.I. = STA. 44+29.49
Δ = 43°45'47" RT
Dc = 06°00'00"
R = 954.93'
T = 383.52'
L = 729.38'
E = 74.14'
e_{max} *= 0.054*
PC = STA. 40+45.97
PT = STA. 47+75.36

CURVE DATA - NEEDHAM PL NW
P.I. = STA. 2+01.56
Δ = 08°28'17" LT
Dc = 18°00'00"
R = 318.31'
T = 23.57'
L = 47.06'
E = 0.87'
e_{max} *= NC*
PT = STA. 2+50.04

CURVE DATA - WELLESLEY DR
P.I. = STA. 14+24.19
Δ = 28°45'22" LT
Dc = 15°00'00"
R = 381.97'
T = 97.92'
L = 191.71'
E = 12.35'
e_{max} *= NC*
PC = STA. 13+26.28

30 *STA. 42+47.15, ℄ CONST SR 204 =*
STA. 16+26.48, ℄ CONST WELLESLEY DR =
STA. 16+26.48, ℄ CONST & R/W TAYLOR RD

31 *STA. 1+00.00, ℄ NEEDHAM PL NW =*
STA. 14+33.69, ℄ CONST WELLESLEY DR

A *END WELLESLEY DR*
STA 16+08.16

B *BEGIN TAYLOR RD*
STA 16+44.79

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 204
STA. 40+75.00 TO STA. 44+25.00

DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0373
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:56:52 PM USER: brieder
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MODEL: CLP_S204 - Profile 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:57:16 PM USER: brieder
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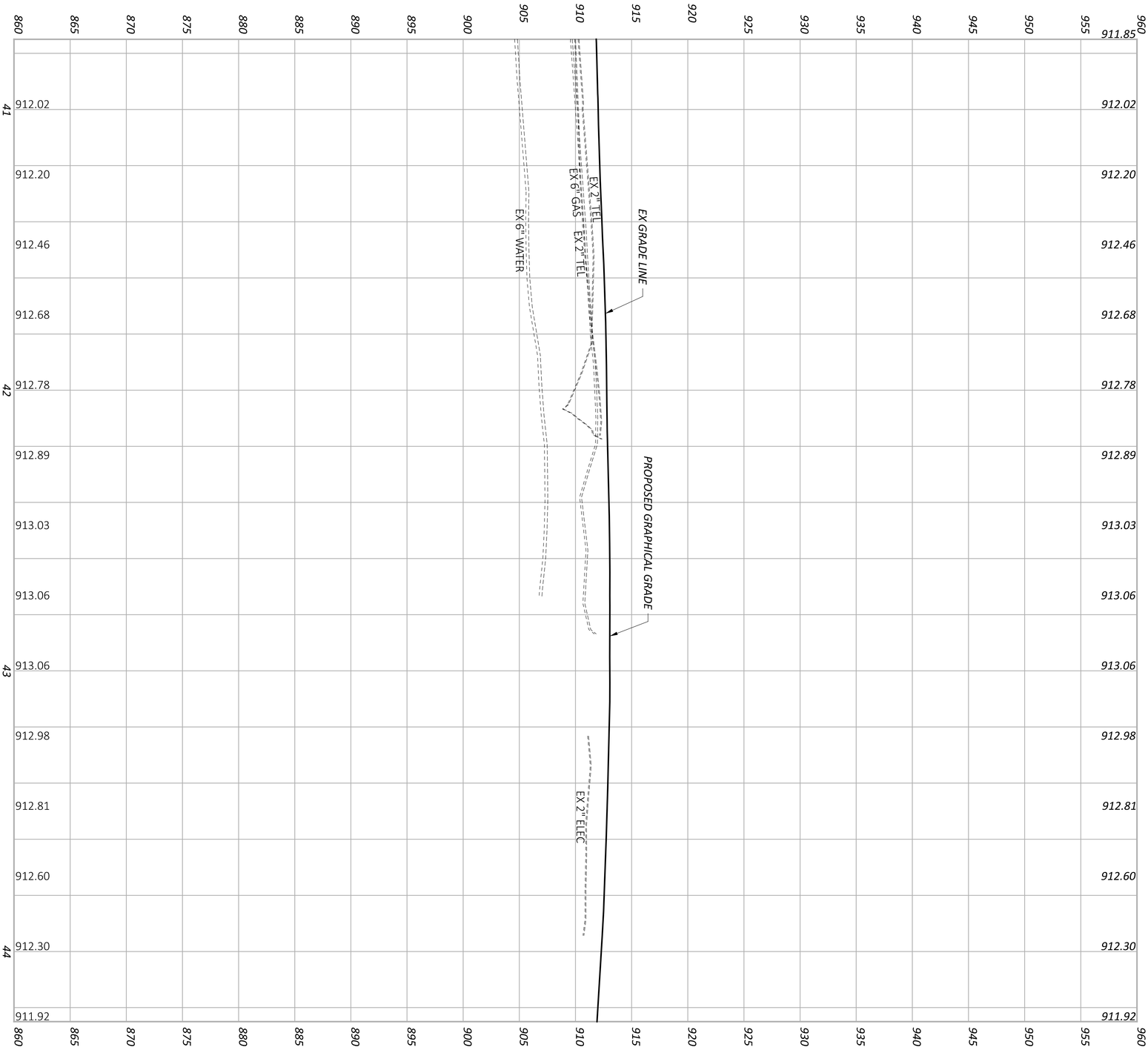
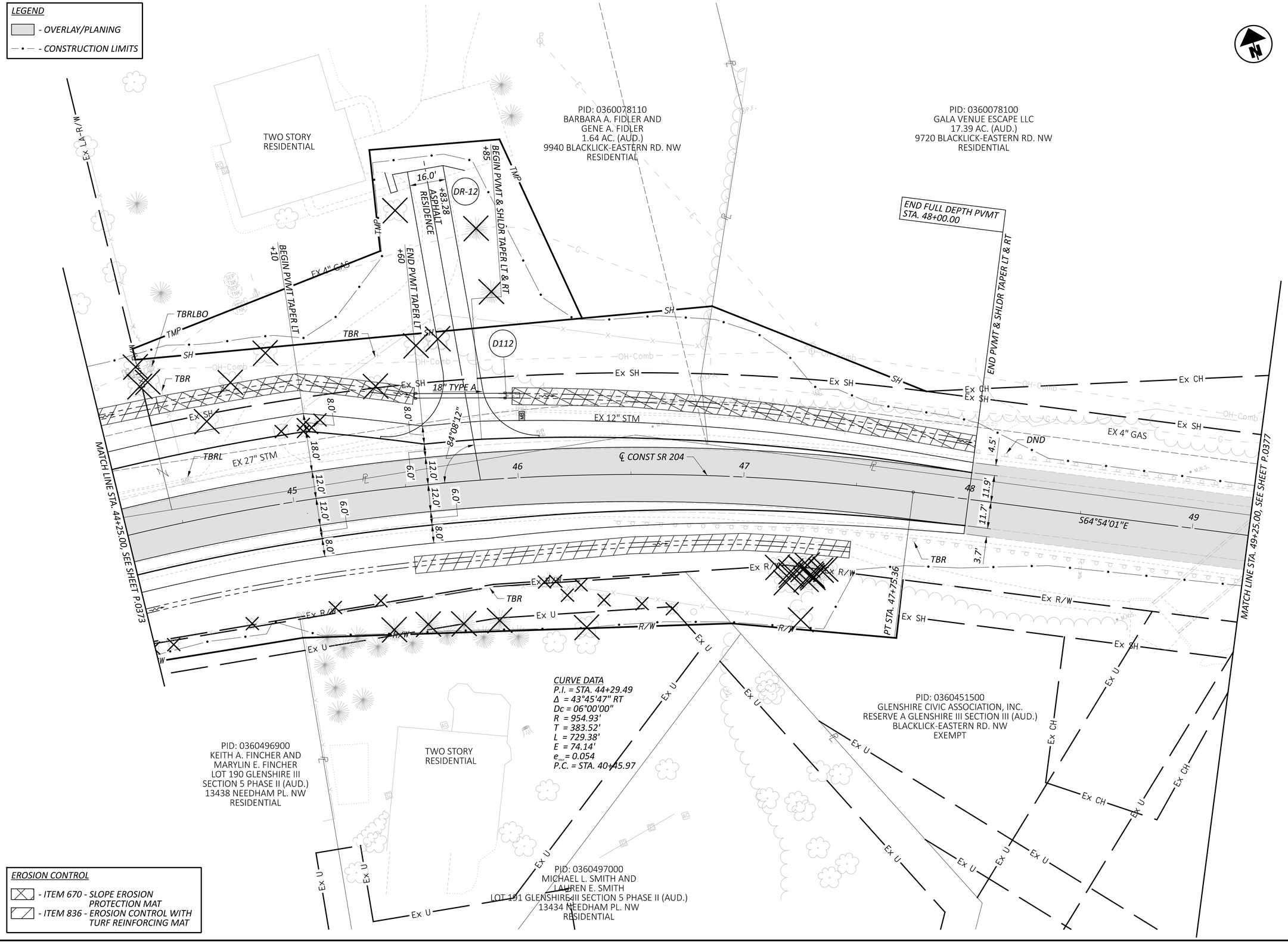


SHEET	TOTAL
P 0374	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	KAM 04/25/25	FGW	AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - SR 204
STA. 40+75.00 TO STA. 44+25.00



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 204
STA. 44+25.00 TO STA. 49+25.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0375 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:57:33 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - Profile 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:57:48 PM USER: brieder
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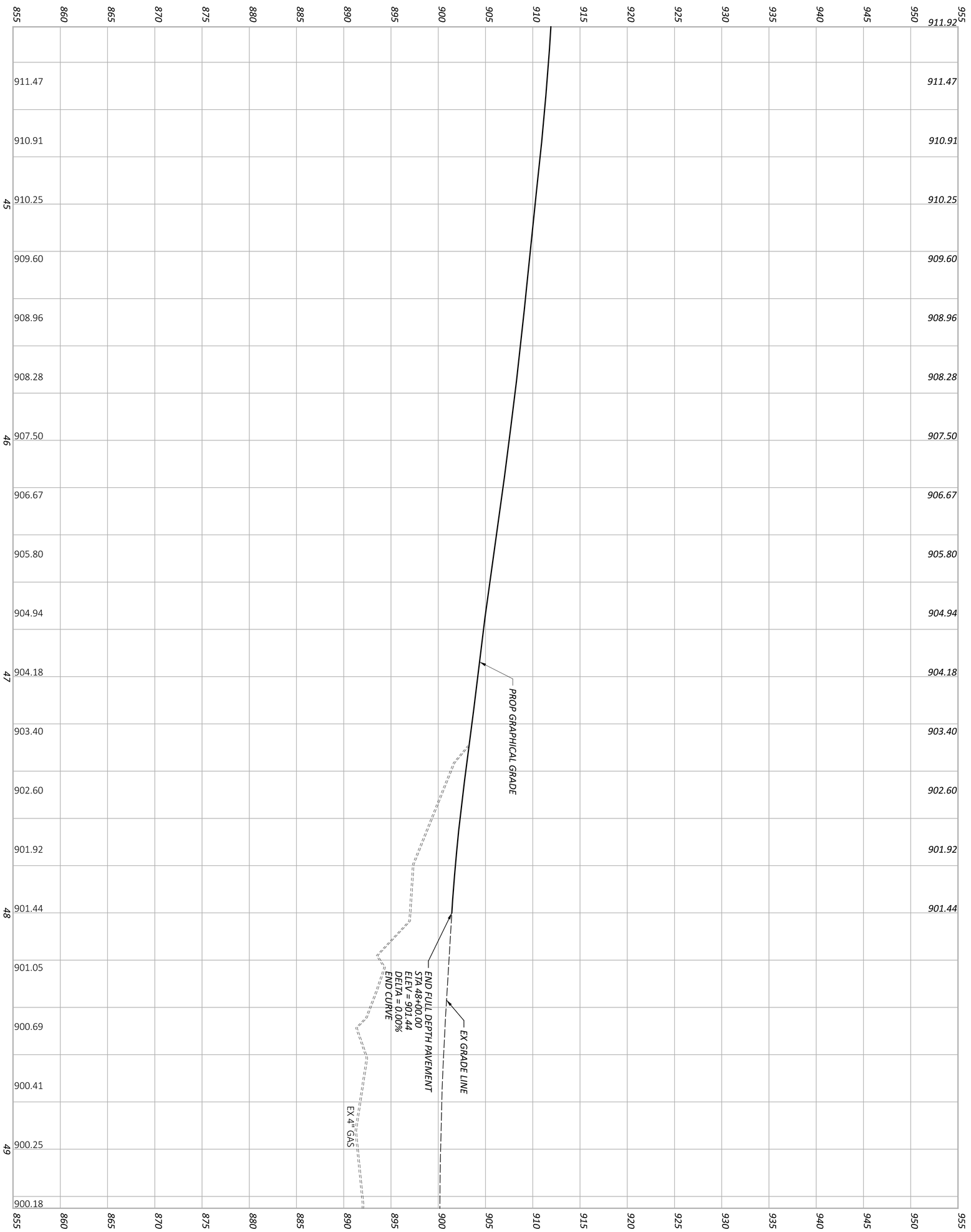

SHEET	TOTAL
P 0376	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	XXX 04/25/25	XXX	AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - SR 204
STA. 44+25.00 TO STA. 49+25.00

LEGEND

- *OVERLAY/PLANING*
- *CONSTRUCTION LIMITS*

PID: 0360078100
GALA VENUE ESCAPE LLC
17.39 AC. (AUD.)
9720 BLACKLICK-EASTERN RD. NW
RESIDENTIAL

CURVE DATA
P.I. = STA. 53+63.63
Δ = 29°39'36" LT
Dc = 06°00'00"
R = 954.93'
T = 252.84'
L = 494.33'
E = 32.91'

END WORK STA. 53+00.00

MATCH LINE STA. 49+25.00, SEE SHEET P.0375

PC STA. 51+10.79

335.43'

S64°54'01"E

℄ CONST SR 204

Ex CH
Ex SH
Ex 4" GAS
OH-Comb
G
Ex R/W
℄
50
51
52
53
54

PID: 0360450900
DAVID P. LYNCH AND
SHERRY K. LYNCH
LOT 125 GLENSHIRE III SECTION III (AUD.)
9880 HAVERFORD PL. NW
RESIDENTIAL

PID: 0360451000
JEFFREY PETERS, TRUSTEE OF THE JEFFREY PETERS LIVING TRUST DATED THE 13TH DAY OF MARCH, 2008
LOT 126 GLENSHIRE III SECTION III (AUD.)
9866 HAVERFORD PL. NW
RESIDENTIAL

PID: 0360451100
HAWYDA HUSSEIN
LOT 127 GLENSHIRE III SECTION III (AUD.)
9852 HAVERFORD PL. NW
RESIDENTIAL

PID: 0360451200
KULBHUSHAN KAUSHIK AND
SAPNA KAUSHIK
LOT 128 GLENSHIRE III SECTION III (AUD.)
9834 HAVERFORD PL. NW
RESIDENTIAL

PID: 0360451300
JENNIFER R. HINERMAN
LOT 129 GLENSHIRE III SECTION III (AUD.)
9816 HAVERFORD PL. NW
RESIDENTIAL

PID: 0360451400
CHRISTOPHER M. VIERTLBOECK AND
CASSANDRA R. VIERTLBOECK
LOT 130 GLENSHIRE III SECTION III (AUD.)
9800 HAVERFORD PL. NW
RESIDENTIAL

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - SR 204
STA. 49+25.00 TO STA. 54+25.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0377 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5204 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:58:07 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - Profile 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:58:21 PM USER: brieder
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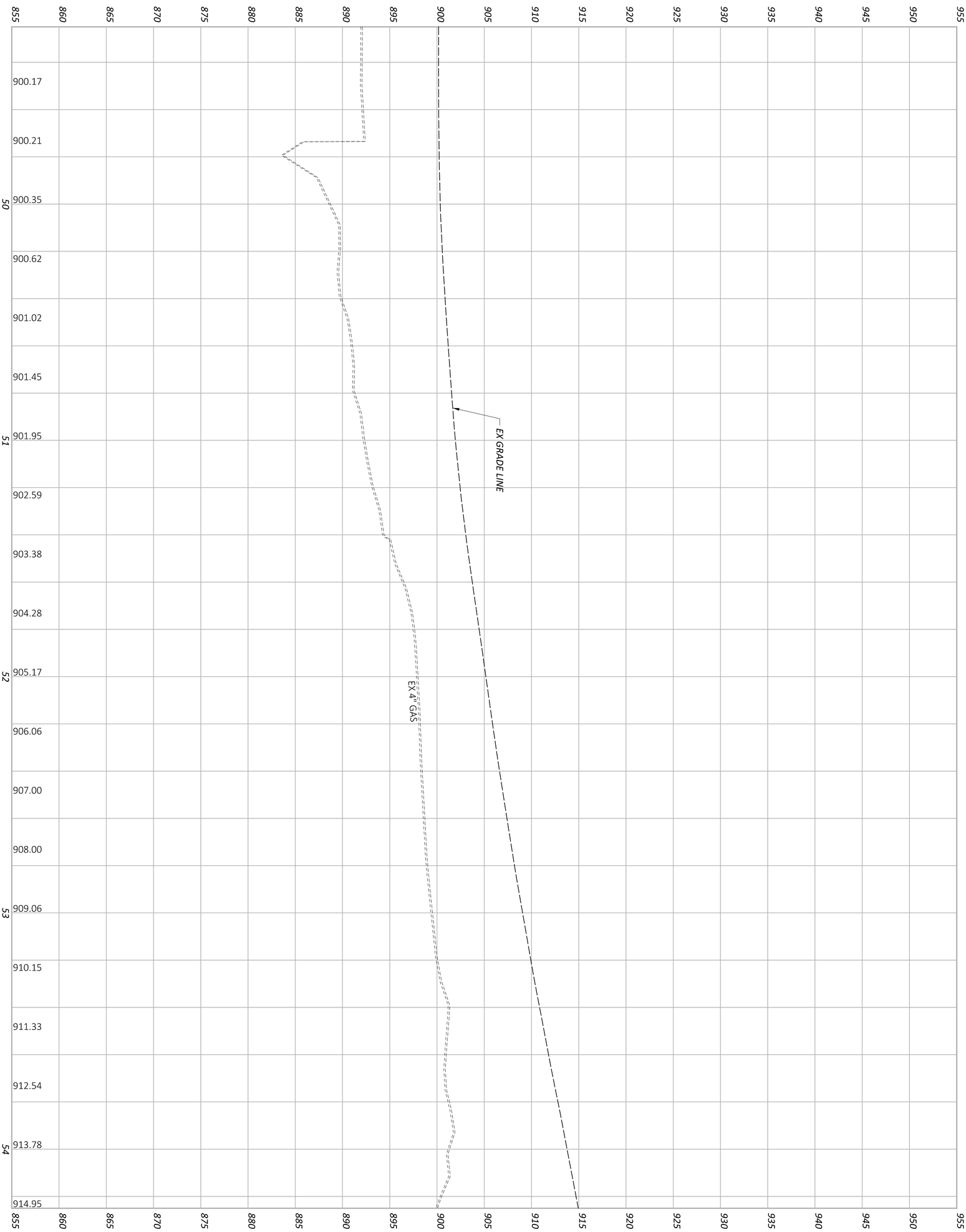

SHEET	TOTAL
P 0378	P 1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	XXX 04/25/25	XXX	AMERICAN STRUCTUREPOINT INC.

PROFILE SHEET - SR 204
STA. 49+25.00 TO STA. 54+25.00

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD SW
STA. 7+00.00 TO STA. 11+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLORSW - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:58:39 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0379 TOTAL P.1556

MODEL: CLP_TAYLORSW - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:58:57 PM USER: brieder
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LEGEND

- *OVERLAY/PLANING*
- *PAVEMENT REMOVAL*
- *CONSTRUCTION LIMITS*

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - TAYLOR ROAD SW
STA. 9+00.00 TO STA. 14+00.00

PID: 013-027582-00.000
TERRACEVIEW APARTMENTS, LTD.
6.95 AC. (AUD.)
10564 TAYLOR RD. SW
RESIDENTIAL

PID: 013-029502-00.000
CAROLYN M. YOUSEY
3.12 AC. (AUD.)
LOT 5
DEXTER HEIGHTS SUBDIVISION
TAYLOR RD. SW
RESIDENTIAL

PID: 013-027582-00.001
CREEKSIDE ACQUISITION COLUMBUS ASSOCIATES, LLC
2.76 AC. (AUD.)
TAYLOR RD. SW
RESIDENTIAL

PID: 012-027366-00.000
ROBERTA A. GILL, TRUSTEE OF THE ROBERTA A. GILL TRUST
DATED JULY 7, 1999
9.60 AC. (AUD.)
10517 TAYLOR RD. SW
RESIDENTIAL

CURVE DATA - TAYLOR RD
P.I. = STA. 51+36.59
Δ = 11°28'30" RT
Dc = 05°30'00"
R = 1,041.74'
T = 104.67'
L = 208.64'
E = 5.25'
e_{max} = NC

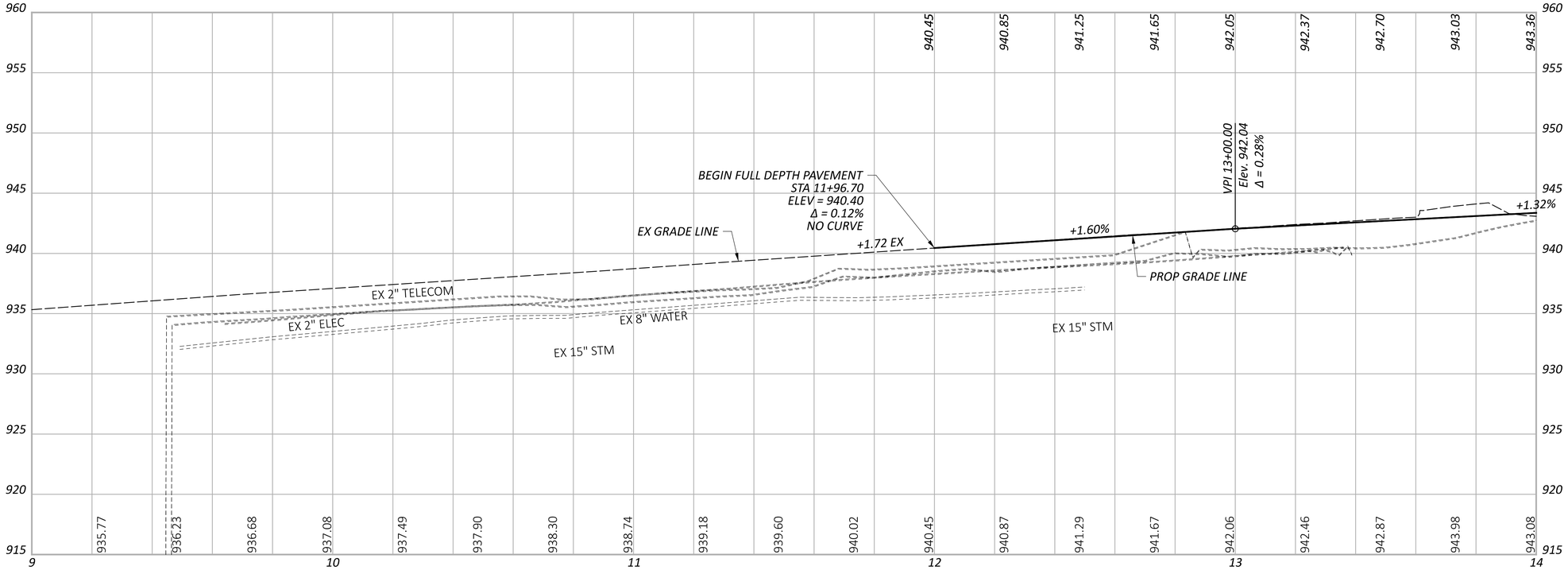
CURVE DATA - TAYLOR RD SW
P.I. = STA. 11+39.95
Δ = 12°45'19" LT
Dc = 05°43'46"
R = 1,000.00'
T = 111.77'
L = 222.62'
E = 6.23'
e_{max} = NC
PC = STA. 10+28.18

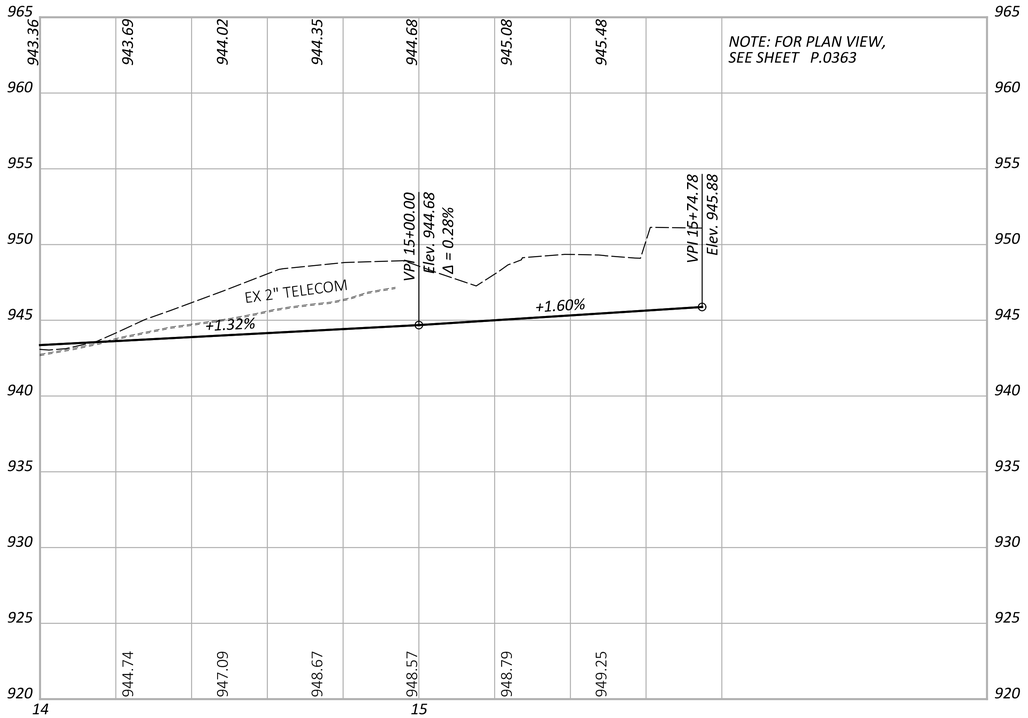
CURVE DATA - TAYLOR RD SW
P.I. = STA. 13+90.69
Δ = 40°13'45" RT
Dc = 15°00'00"
R = 381.97'
T = 139.89'
L = 268.2'
E = 24.81'
e_{max} = NC

23 *STA. 15+74.78, ℄ CONST TAYLOR RD SW = STA. 51+00.00, ℄ CONST & R/W TAYLOR RD*

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0380
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

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PROFILE SHEET - TAYLOR ROAD SW
STA. 9+00.00 TO STA. 15+74.78

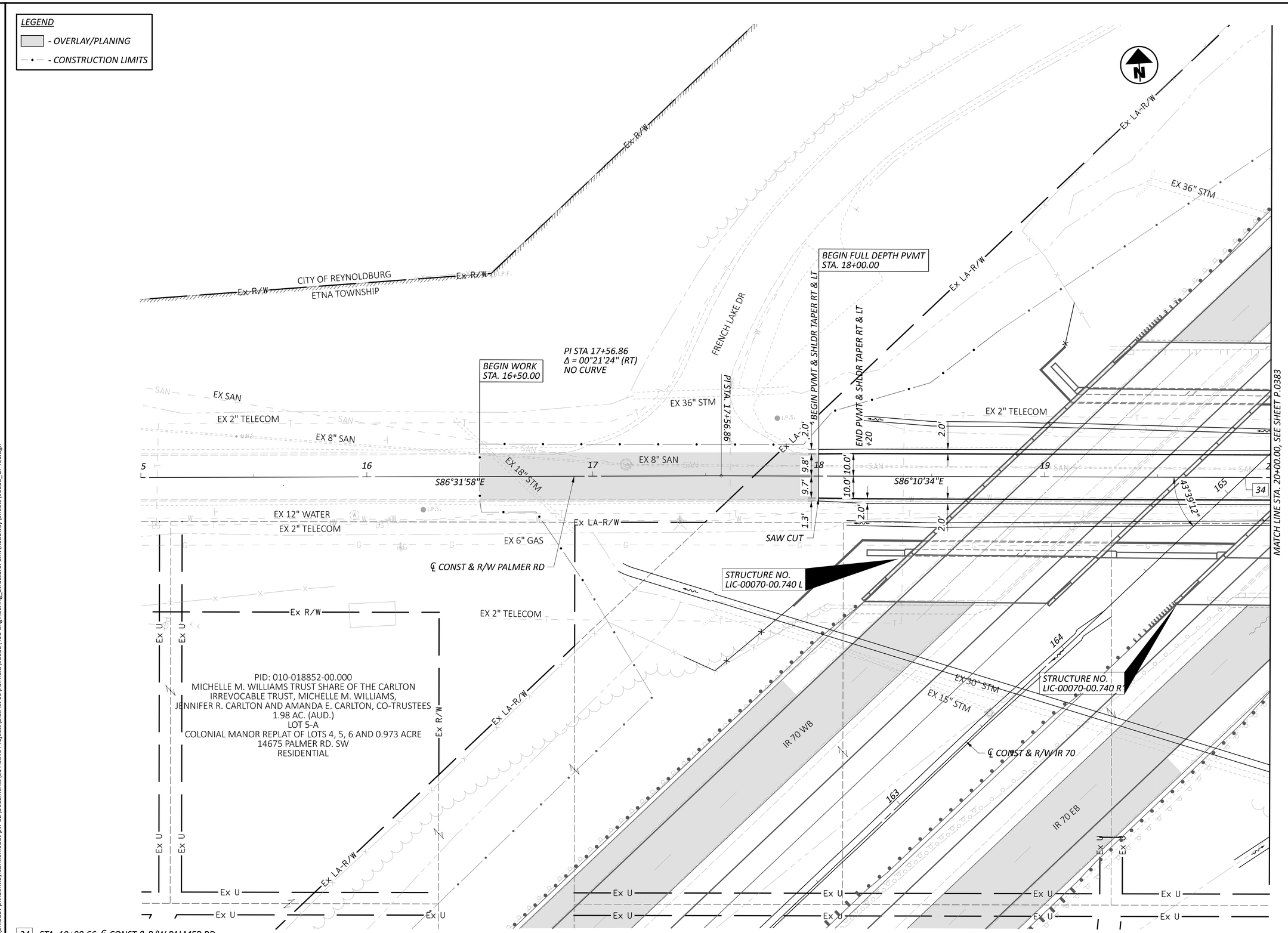
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
FGW

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0381 TOTAL P.1556



34 STA. 19+88.66, ℄ CONST & R/W PALMER RD =
STA. 165+10.33, ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN SHEET - PALMER RD
STA. 15+00.00 TO STA. 20+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0382 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_PALMER - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:59:39 PM USER: brieder
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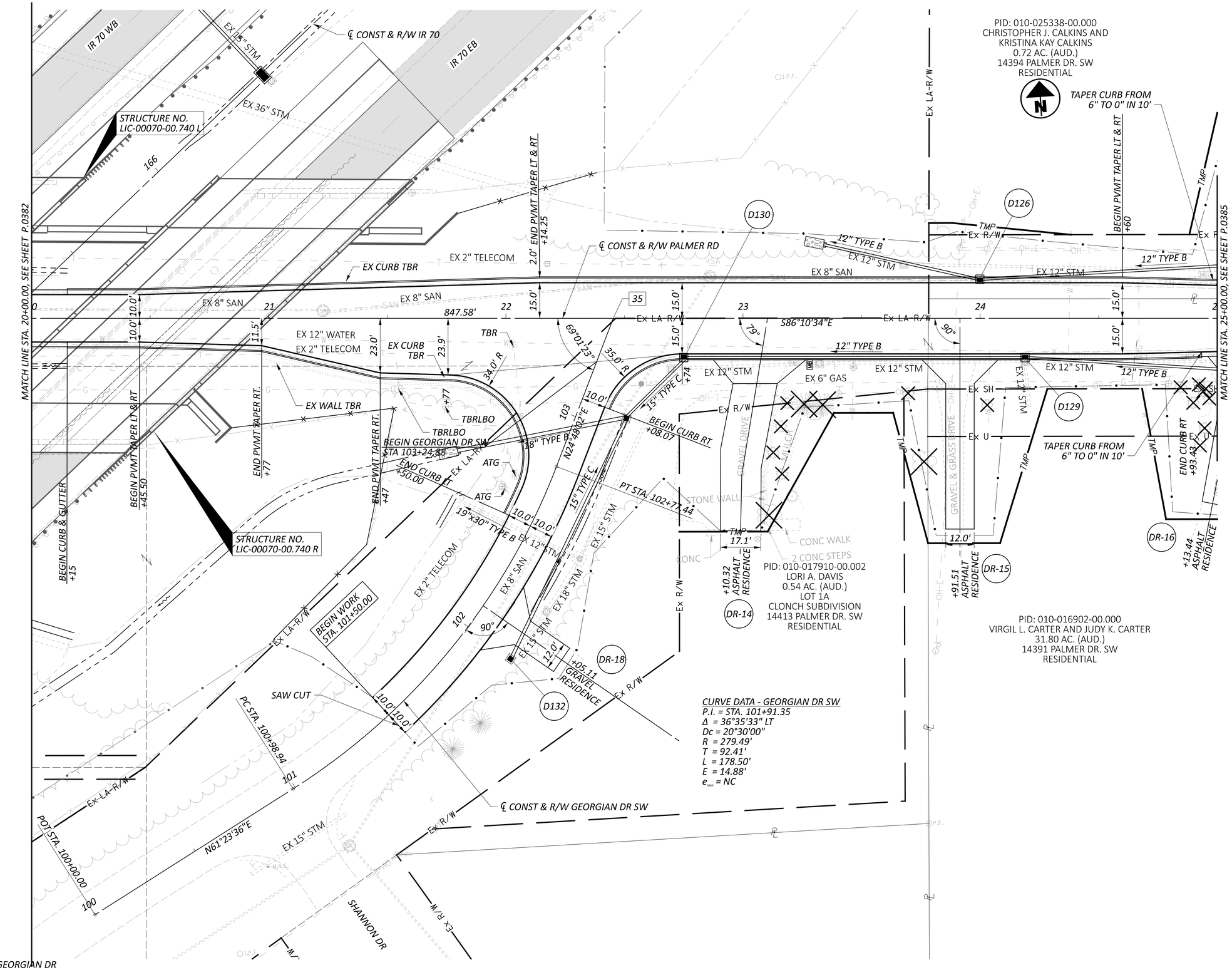
LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS



35 STA. 103+44.36, ℄ CONST & R/W GEORGIAN DR
STA. 22+45.49, ℄ R/W PALMER RD

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN SHEET - PALMER RD
STA. 20+00.00 TO STA. 25+00.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: KAM 04/25/25

PROJECT ID: 96808

SHEET P.0383 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_PALMER - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 8:59:57 PM USER: brieder
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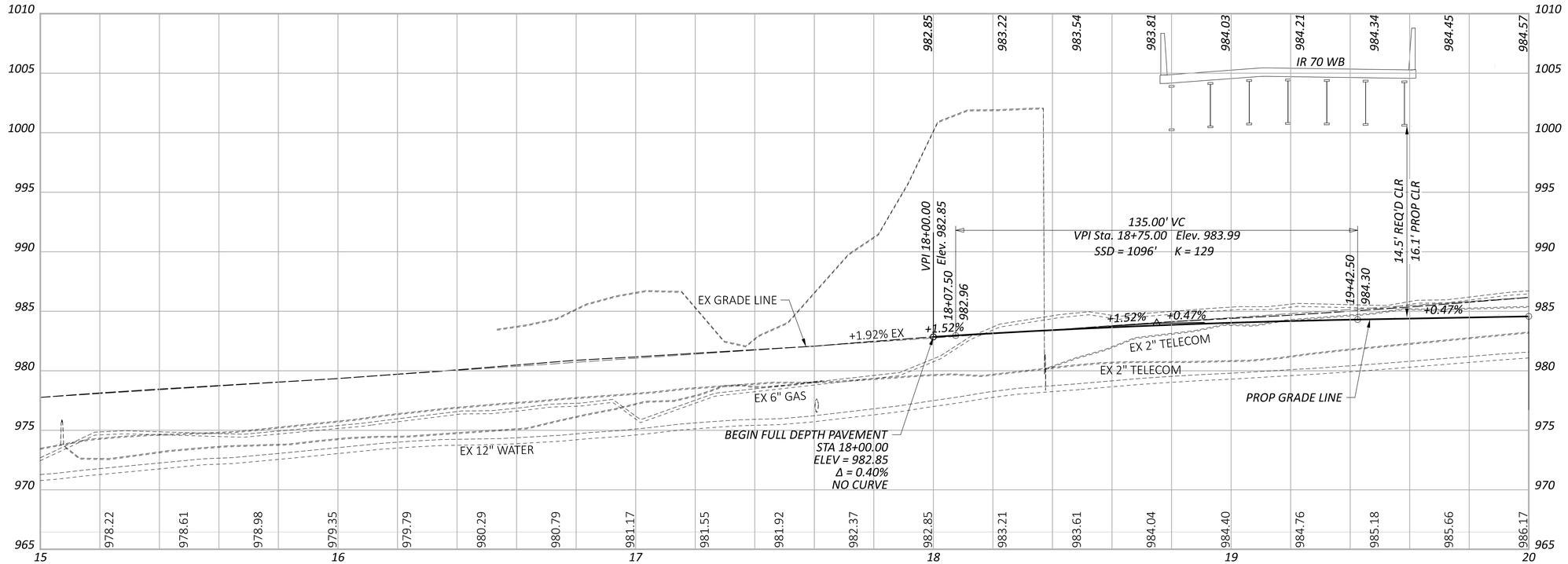

PROFILE - PALMER RD
STA. 15+00.00 TO STA. 25+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:00:19 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0384 TOTAL P.1556

LEGEND

— • — - CONSTRUCTION LIMITS

PID: 010-019746-00.000
FREDERICK W. ANDERSON II AND
DEBBIE LEE ANDERSON
1.02 AC. (AUD.)
14384 PALMER DR. SW
RESIDENTIAL

PID: 010-017844-00.000
JASON O. BRANSON
1.63 AC. (AUD.)
14298 PALMER RD. SW
RESIDENTIAL

DR-17

END CURB LT
+01.01

+15.33
ASPHALT
RESIDENCE

12.0'

TMP

D126

ASPH & GRAVEL DRIVE

END FULL DEPTH PVMT
STA. 26+50.00

PI STA 26+04.44
Δ = 00°25'46" (LT)
NO CURVE

PI STA. 26+04.44

BEGIN SHLDR TAPER LT
+46.92

END PVMT TAPER LT & RT
& SHLDR TAPER RT

END WORK
STA. 28+50.00

Ex R/W

Ex SH

EX 12" STM

12" TYPE B

EX 8" SAN

2.0'

1.5'

9.4'

10.5'

9"

90°

A

26

27

28

29

S86°10'34"E

S86°36'20"E

397.81'

SAW CUT

℄ CONST & R/W PALMER RD

79°

EX 12" STM

EX 12" WATER

EX 6" GAS

Ex U

MATCH LINE STA. 25+00.00, SEE SHEET P.0383

+13.44
ASPHALT
RESIDENCE

ASPH DRIVE

D127

D128

DR-16

BEGIN SHLDR TAPER RT
+87.87

PID: 010-016902-00.000
VIRGIL L. CARTER AND JUDY K. CARTER
31.80 AC. (AUD.)
14391 PALMER DR. SW
RESIDENTIAL

A TAPER CURB FROM 6" TO 0" IN 10'

HORIZONTAL
SCALE IN FEET
0 20 40

PLAN SHEET - PALMER RD
STA. 25+00.00 TO STA. 30+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0385 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_PALMER - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:00:40 PM USER: brieder
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MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:00:58 PM USER: brieder
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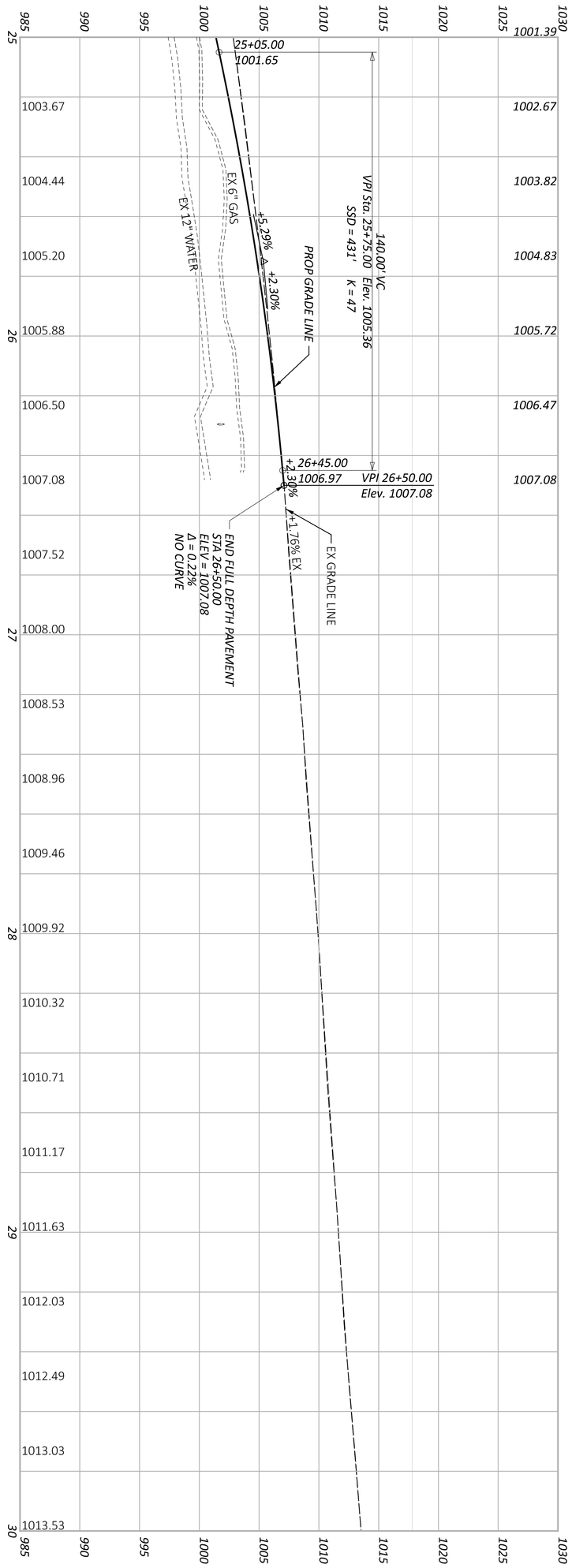
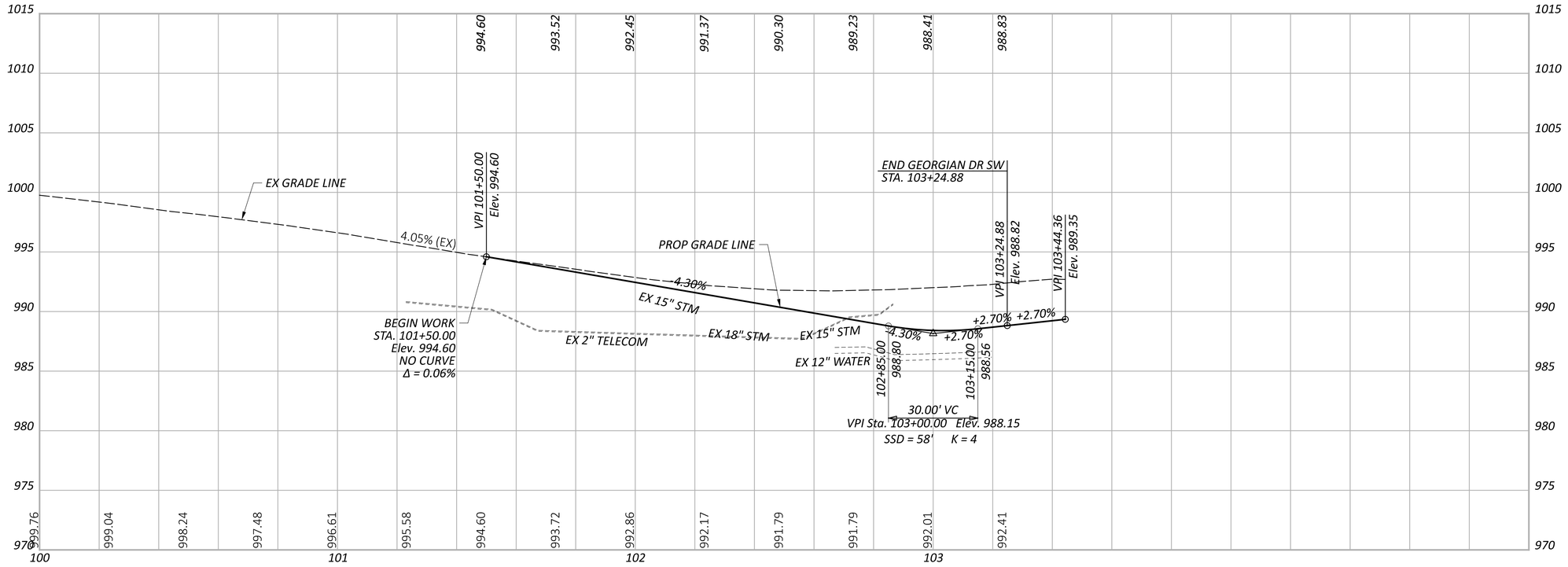


PROFILE - PALMER RD
STA. 25+00.00 TO STA. 30+00.00

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P 0386	P 1556	96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.



PROFILE SHEET - GEORGIAN DR
STA. 100+00.00 TO STA. 103+45.00

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:01:15 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM MM-DD-YY

PROJECT ID
96808

SHEET P.0387 TOTAL P.1556

LEGEND

- OVERLAY/PLANING
- CONSTRUCTION LIMITS

CURVE DATA
P.I. = STA. 1+68.89
Δ = 15°56'32" RT
Dc = 38°00'00"
R = 150.78'
T = 21.11'
L = 41.95'
E = 1.47'

CURVE DATA
P.I. = STA. 2+03.03
Δ = 10°04'51" LT
Dc = 38°00'00"
R = 150.78'
T = 13.30'
L = 26.53'
E = 0.59'

CURVE DATA
P.I. = STA. 4+92.21
Δ = 82°49'09" LT
Dc = 138°00'00"
R = 41.52'
T = 36.62'
L = 60.01'
E = 13.84'

CURVE DATA
P.I. = STA. 5+24.28
Δ = 23°36'38" RT
Dc = 138°00'00"
R = 41.52'
T = 8.68'
L = 17.11'
E = .9'

CURVE DATA
P.I. = STA. 5+76.54
Δ = 14°49'07" RT
Dc = 17°00'00"
R = 337.03'
T = 43.83'
L = 87.17'
E = 2.84'

1 BEGIN PAVEMENT TAPER STA. 2+05.00, 6.00' RT.

2 END PAVEMENT TAPER STA. 2+15.00 8.00' RT.

3 BEGIN PAVEMENT TAPER STA. 4+55.59, 8.00' RT.

4 END PAVEMENT TAPER STA. 4+78.09, 6.50' RT.

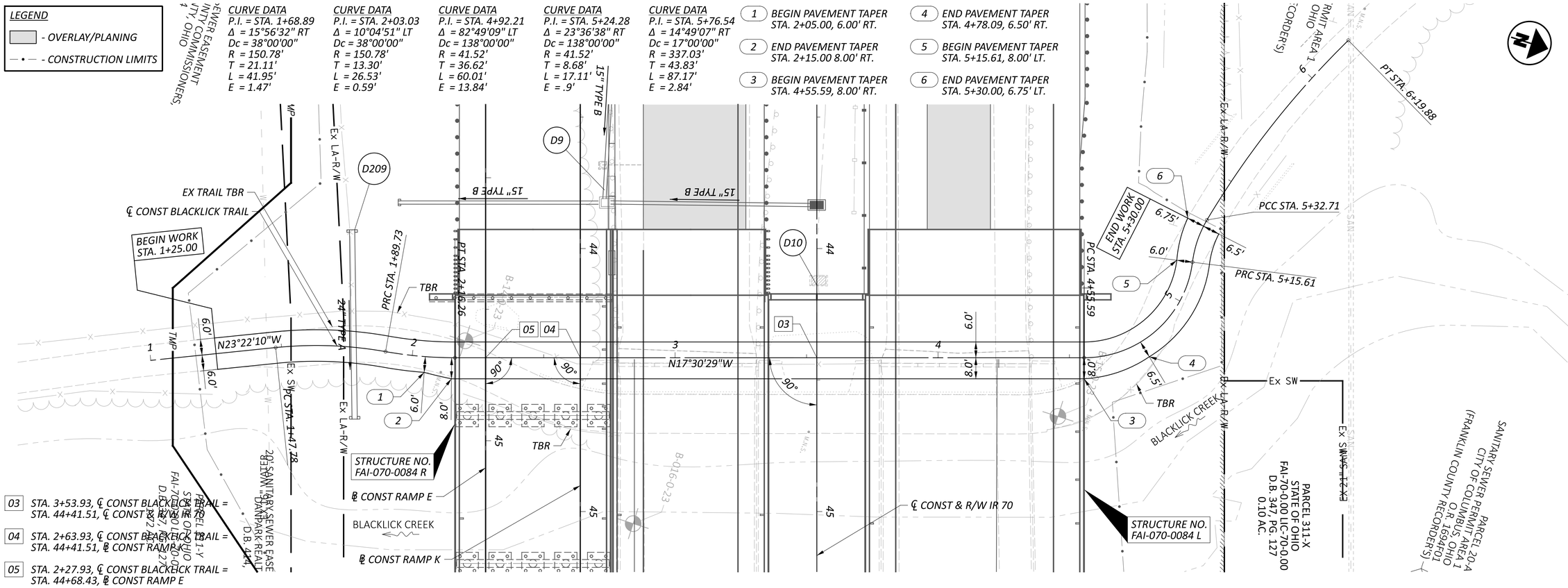
5 BEGIN PAVEMENT TAPER STA. 5+15.61, 8.00' LT.

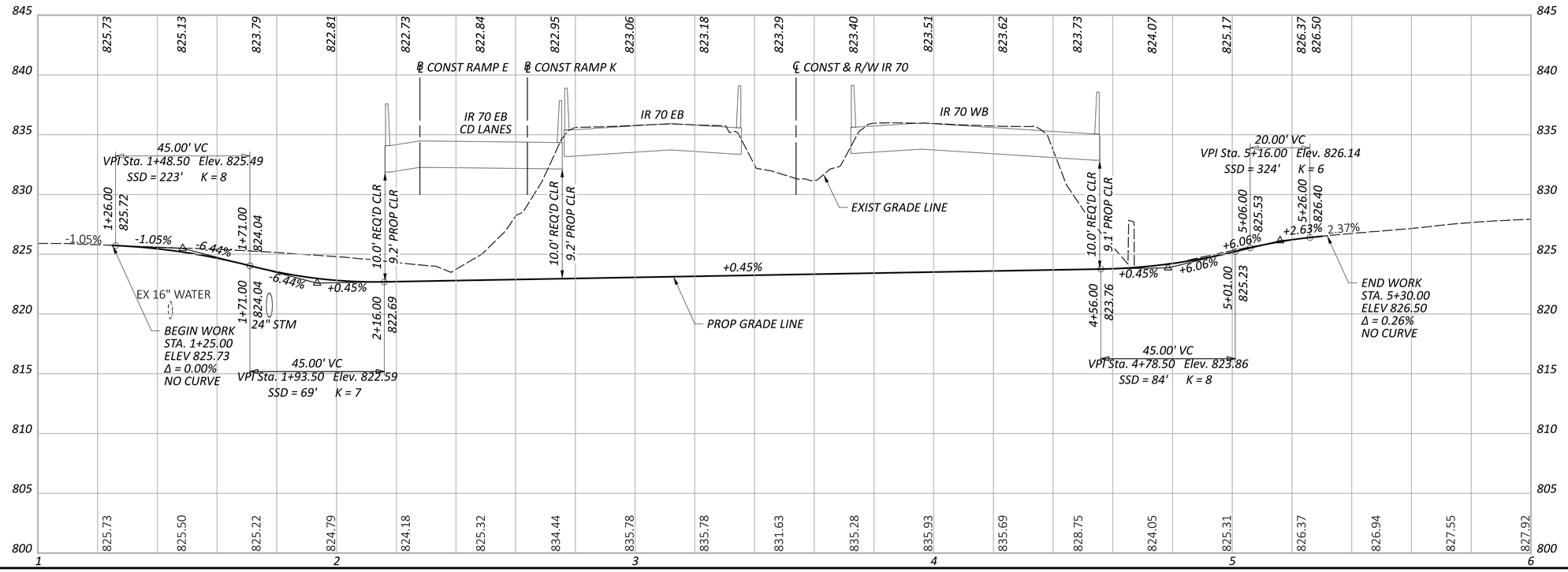
6 END PAVEMENT TAPER STA. 5+30.00, 6.75' LT.

03 STA. 3+53.93, ℄ CONST BLACKLICK TRAIL = STA. 44+41.51, ℄ CONST & R/W IR 70

04 STA. 2+63.93, ℄ CONST BLACKLICK TRAIL = STA. 44+41.51, ℄ CONST RAMP K

05 STA. 2+27.93, ℄ CONST BLACKLICK TRAIL = STA. 44+68.43, ℄ CONST RAMP E





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - BLACKLICK TRAIL
STA. 1+00.00 TO STA. 6+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER AJO
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0388 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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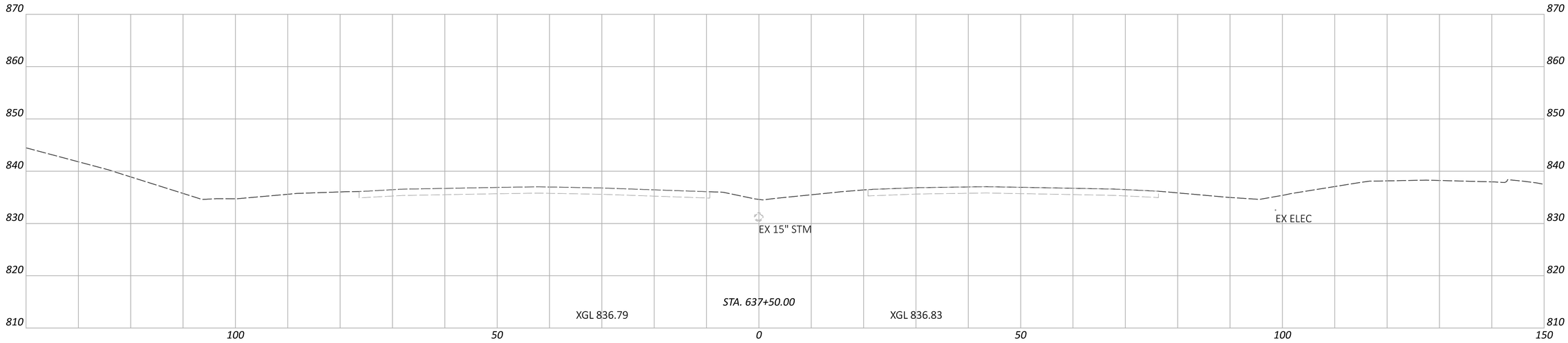

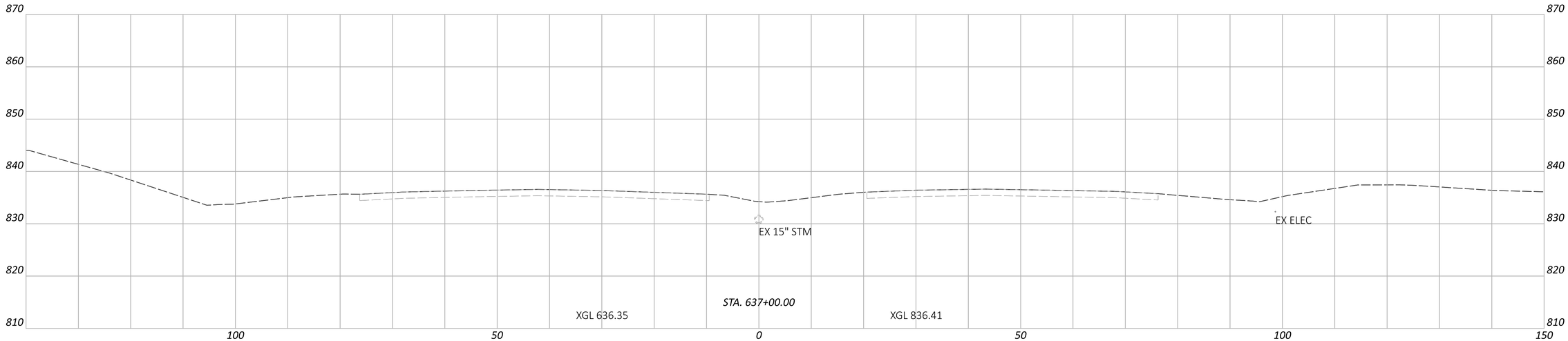

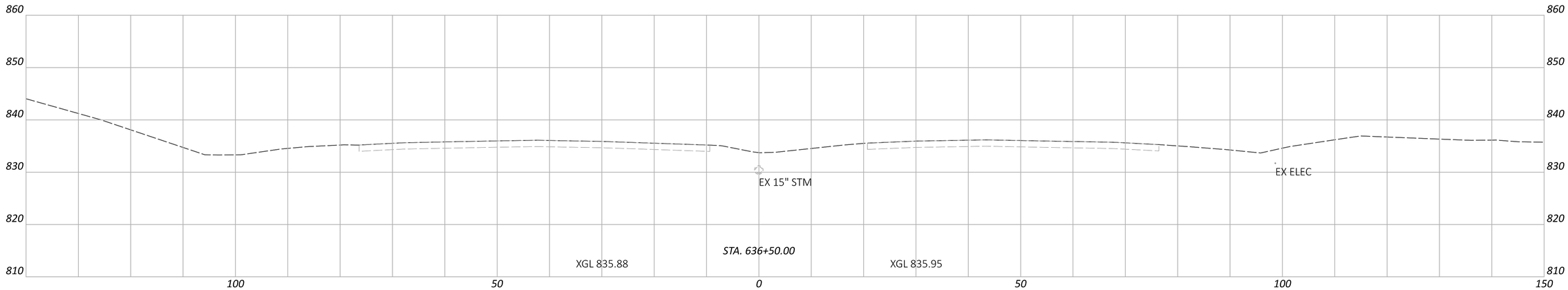

CROSS SECTIONS - IR 70
STA. 636+50.00 TO STA. 637+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - 636+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:34:50 AM USER: brieder
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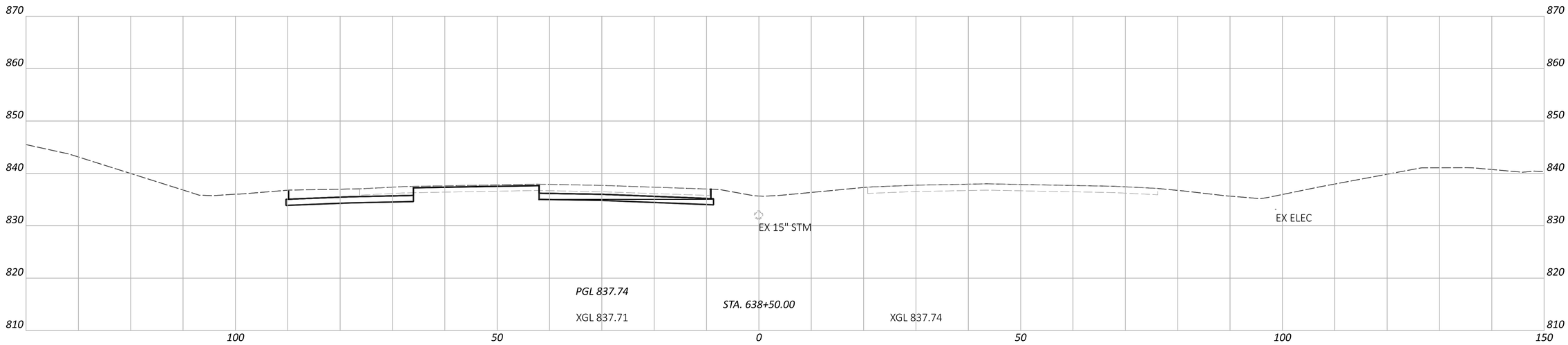
DESIGN AGENCY
STRUCTUREPOINT LLC

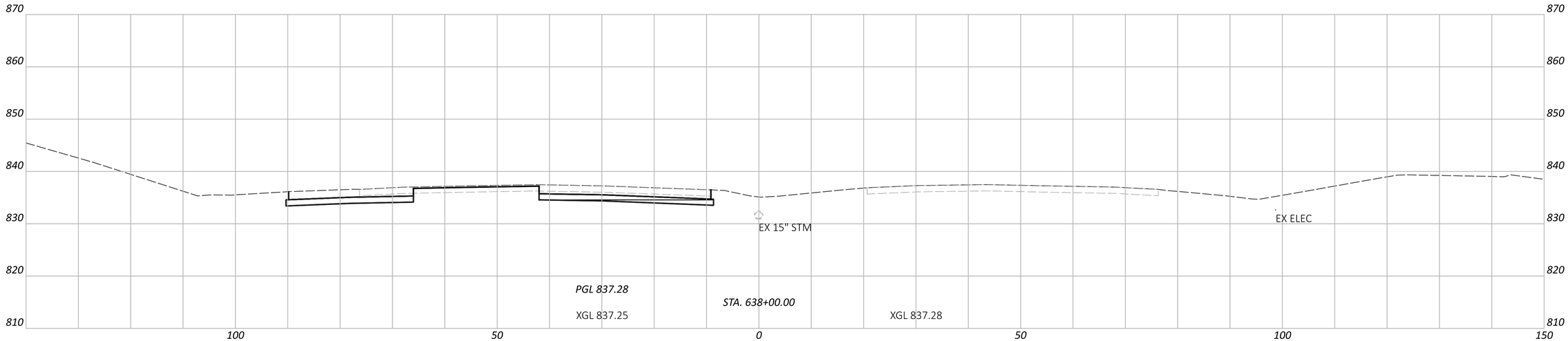
DESIGNER
BER

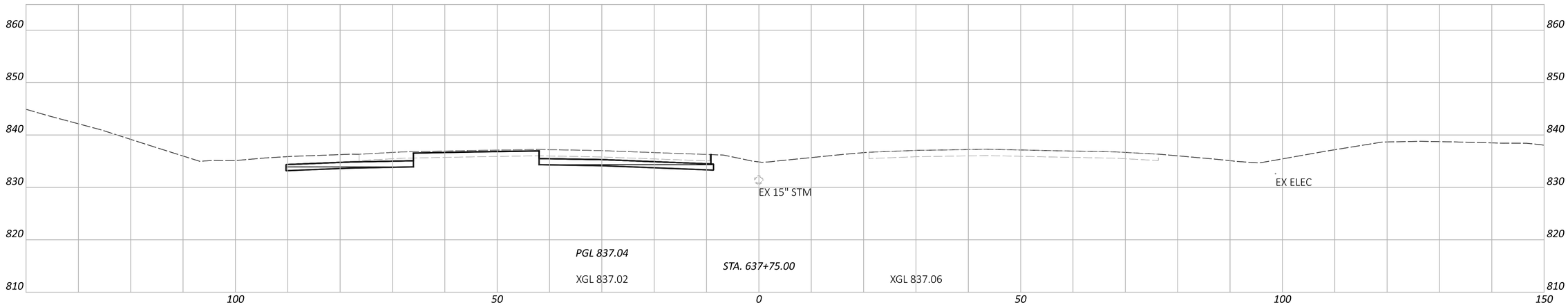
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0389	P.1556







CROSS SECTIONS - IR 70
STA. 637+75.00 TO STA. 638+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0390 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - 638+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:35:09 AM USER: brieder
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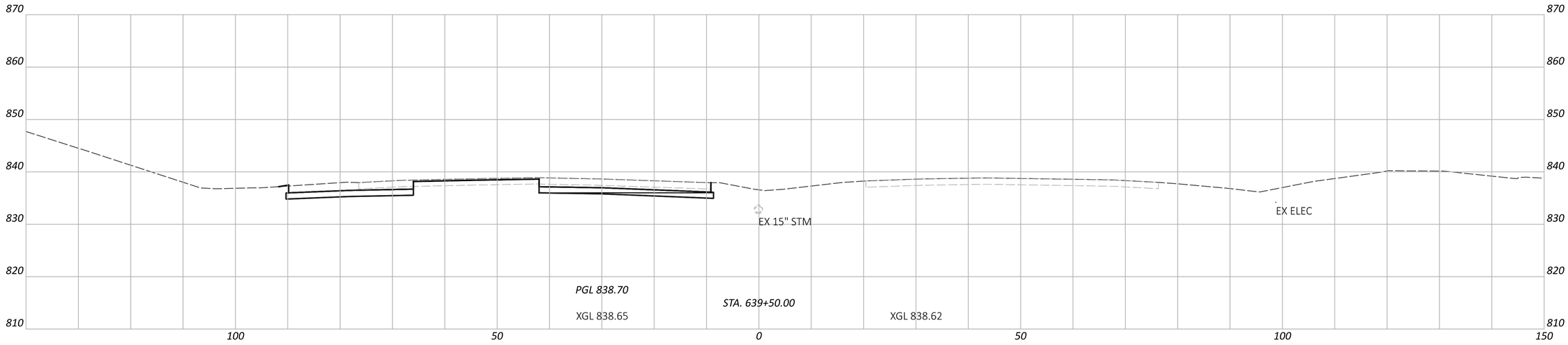

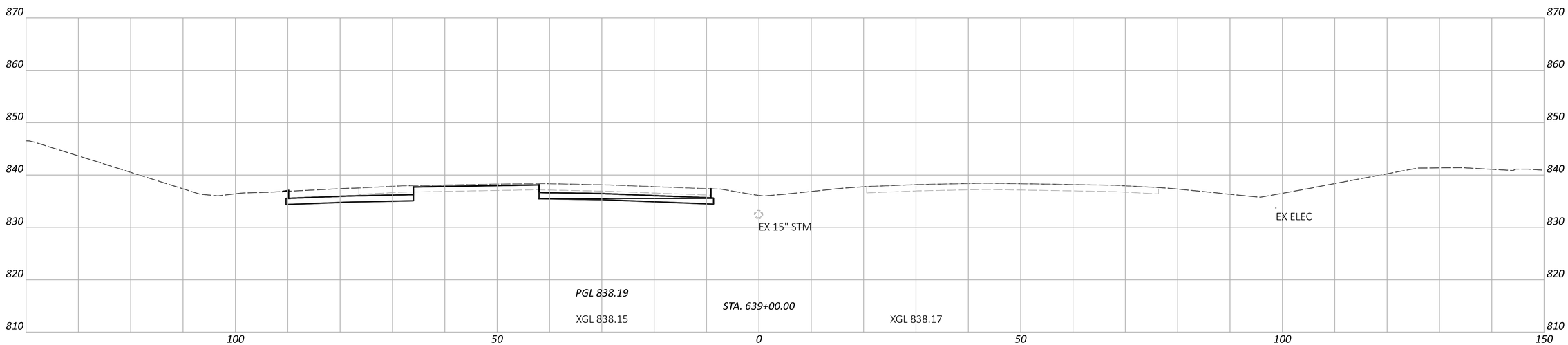

CROSS SECTIONS - IR 70
STA. 639+00.00 TO STA. 639+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0391 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - 639+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:35:13 AM USER: brieder
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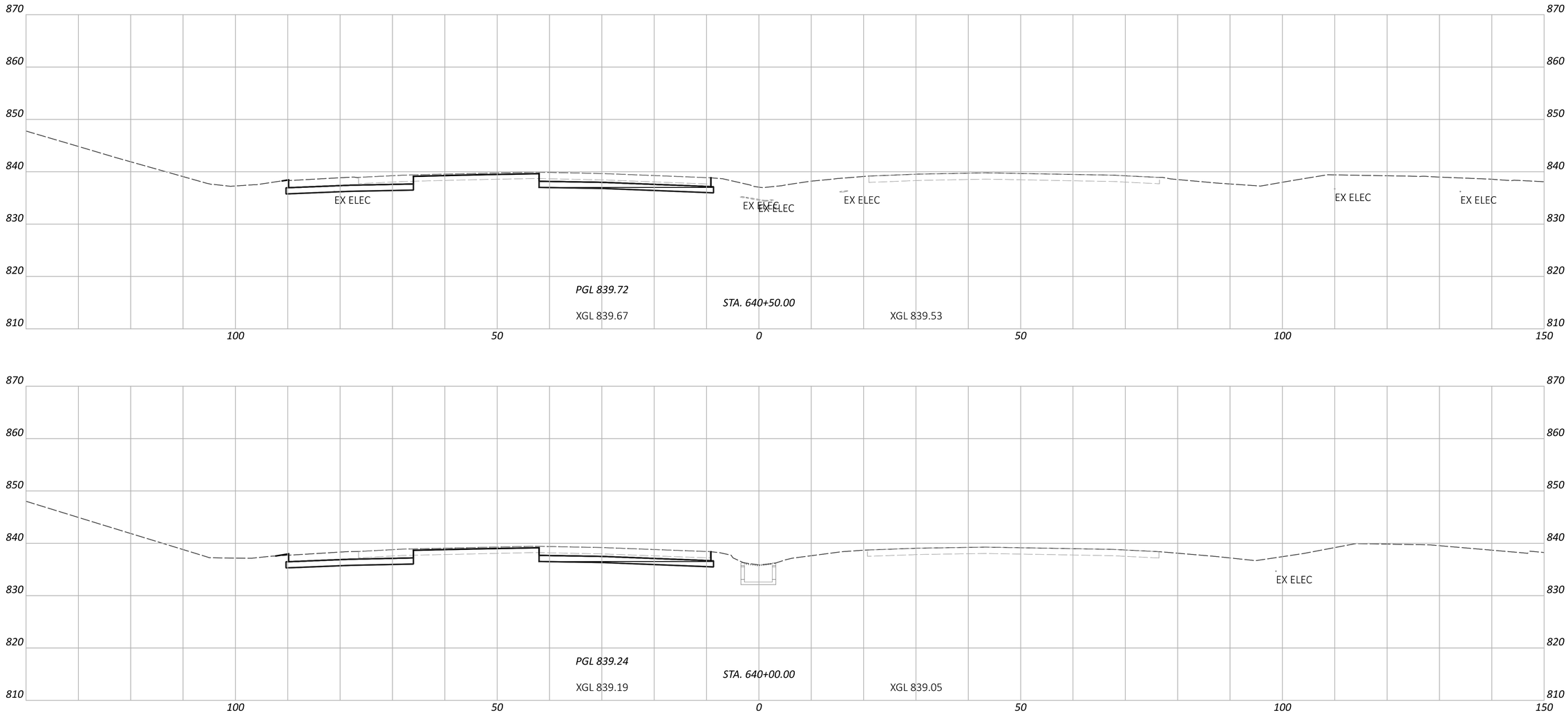

CROSS SECTIONS - IR 70
STA. 640+00.00 TO STA. 640+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - 640+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:35:15 AM USER: brieder
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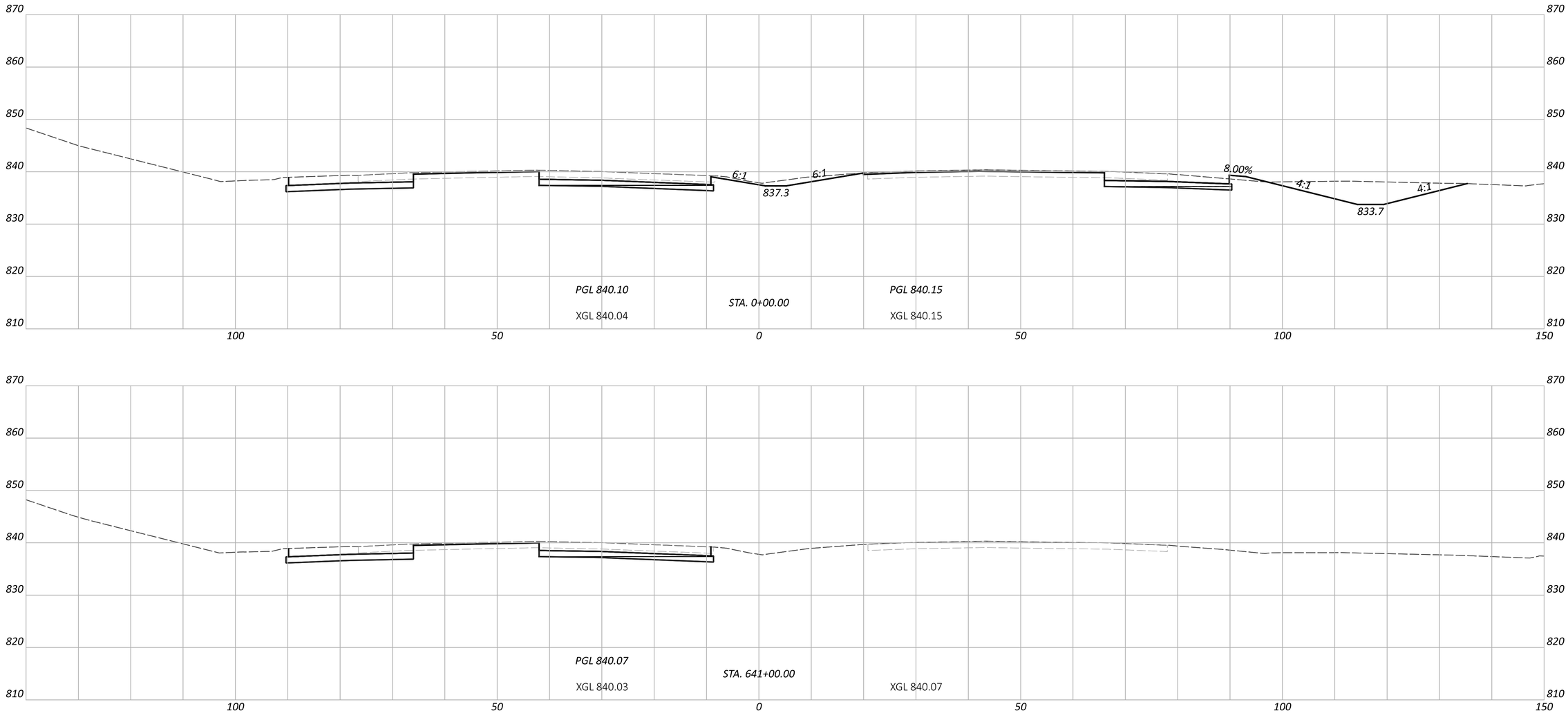
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0392
TOTAL	P.1556



FAI/LIC-IR 70-0.00/0.00

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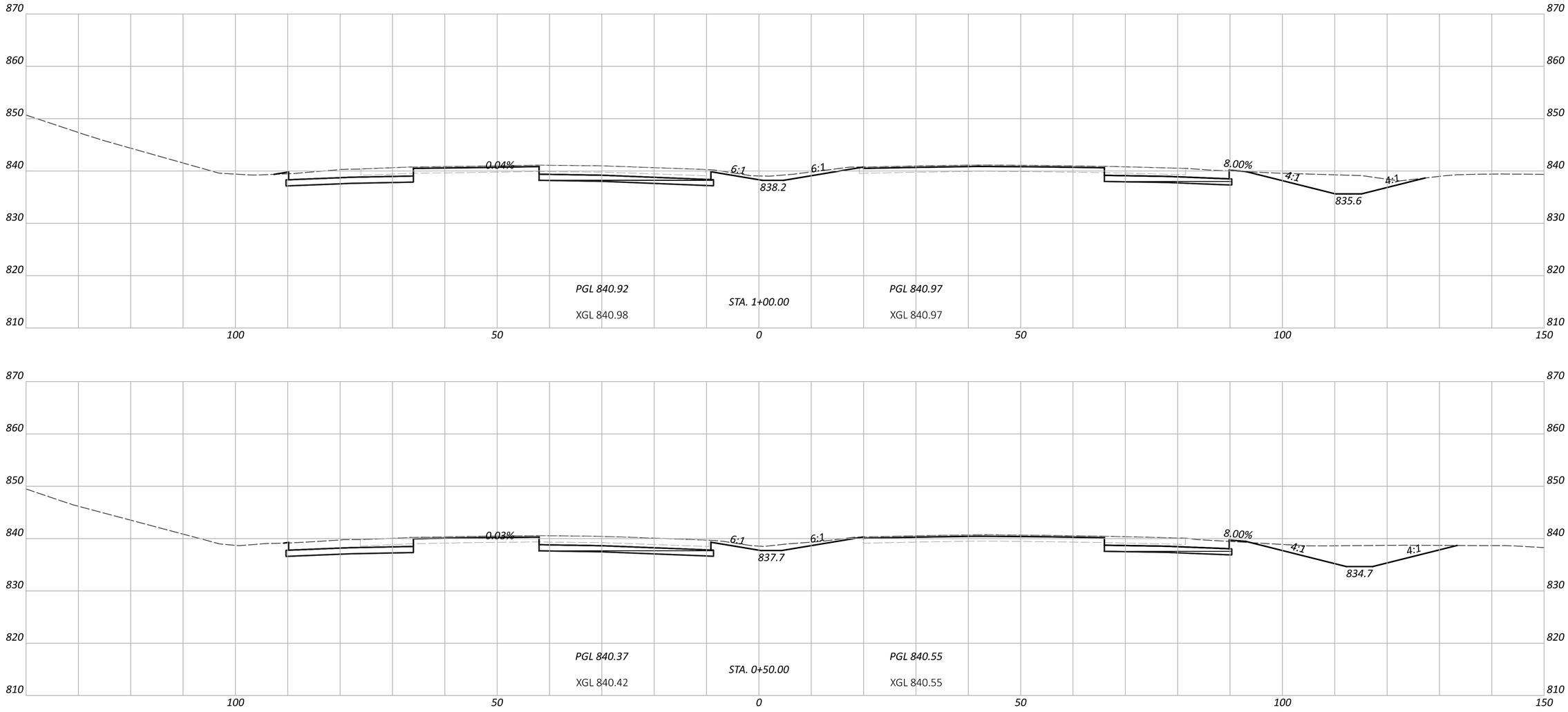
CROSS SECTIONS - IR 70
STA. 641+00.00 TO STA 0+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0393
TOTAL	P.1556



CROSS SECTIONS - IR 70
STA 0+50.00 TO STA 1+00.00

FAI/LIC-IR 70-0.00/0.00

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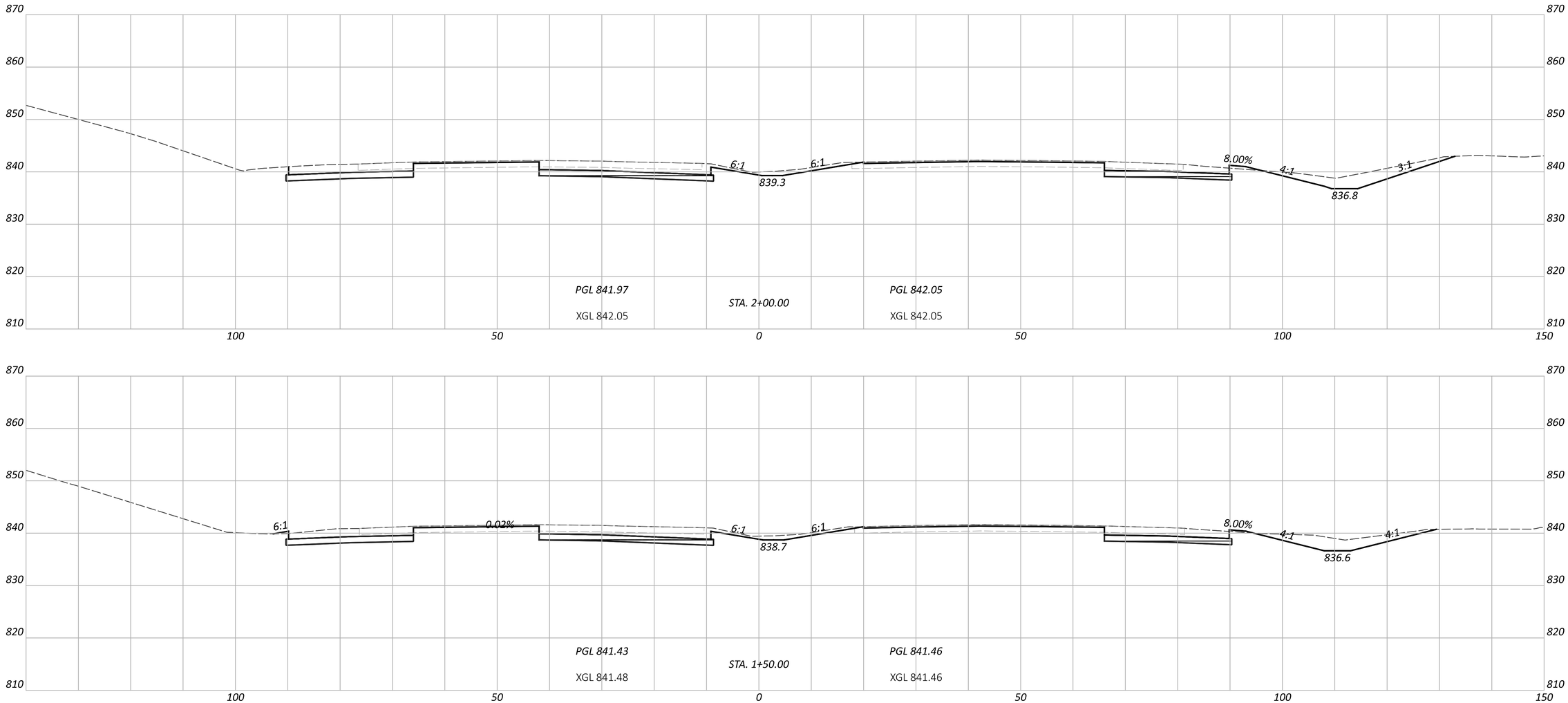
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0394 | TOTAL P.1556



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CROSS SECTIONS - IR 70
STA. 1+50.00 TO STA. 2+00.00

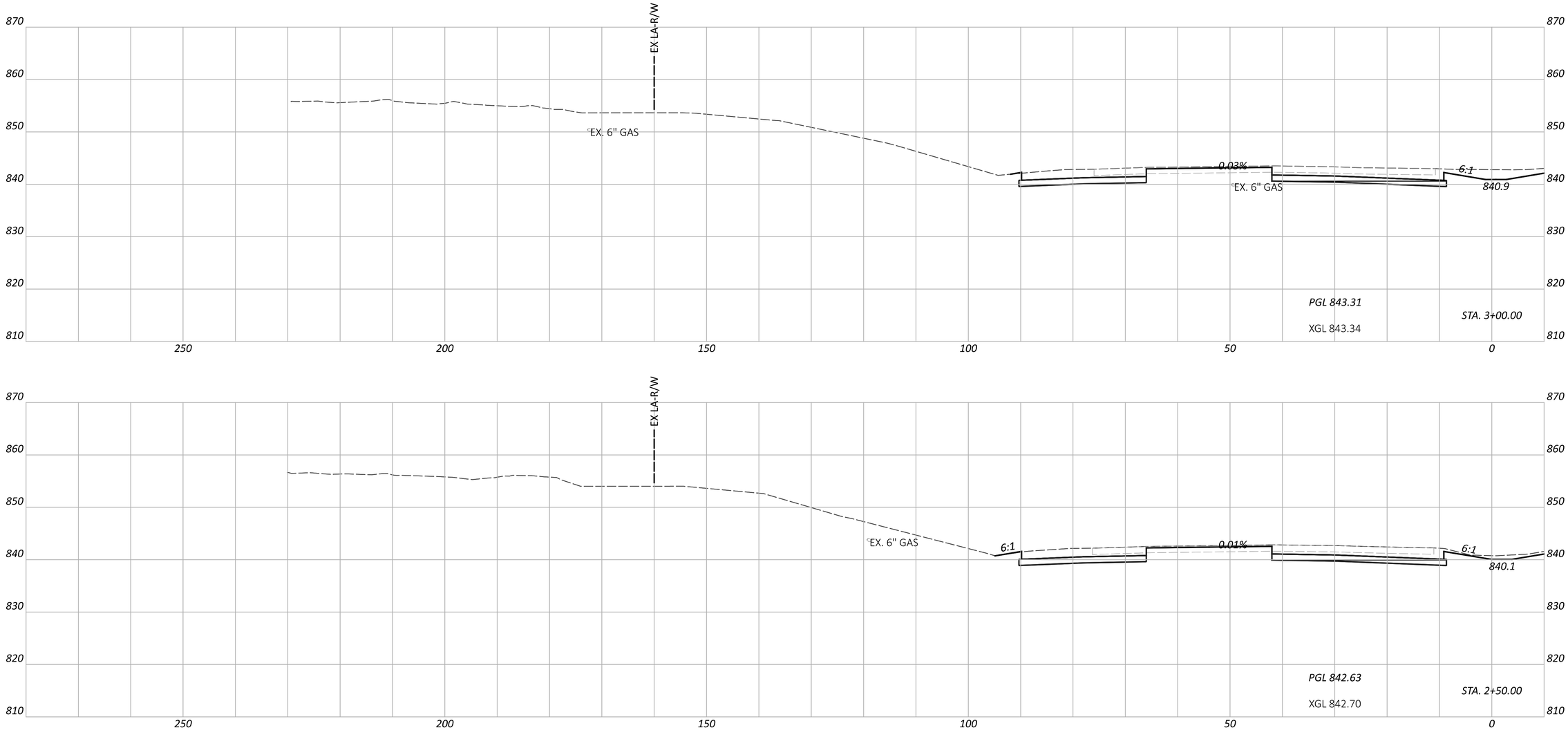
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0395 | TOTAL P.1556



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STA. 2+50.00 TO STA. 3+00.00

FAI/LIC-IR 70-0.00/0.00

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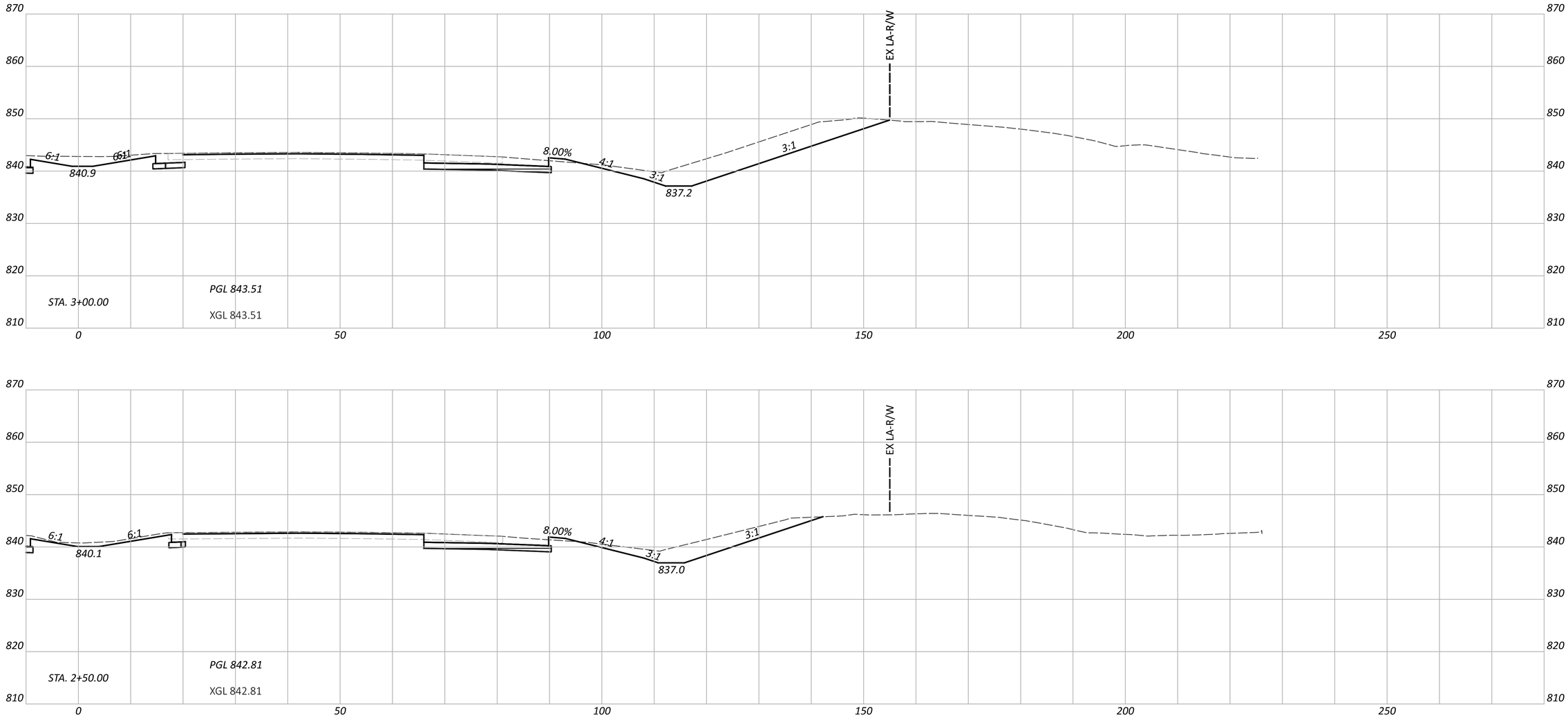
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0396 | TOTAL P.1556



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CROSS SECTIONS - IR 70 EB
STA. 2+50.00 TO STA. 3+00.00

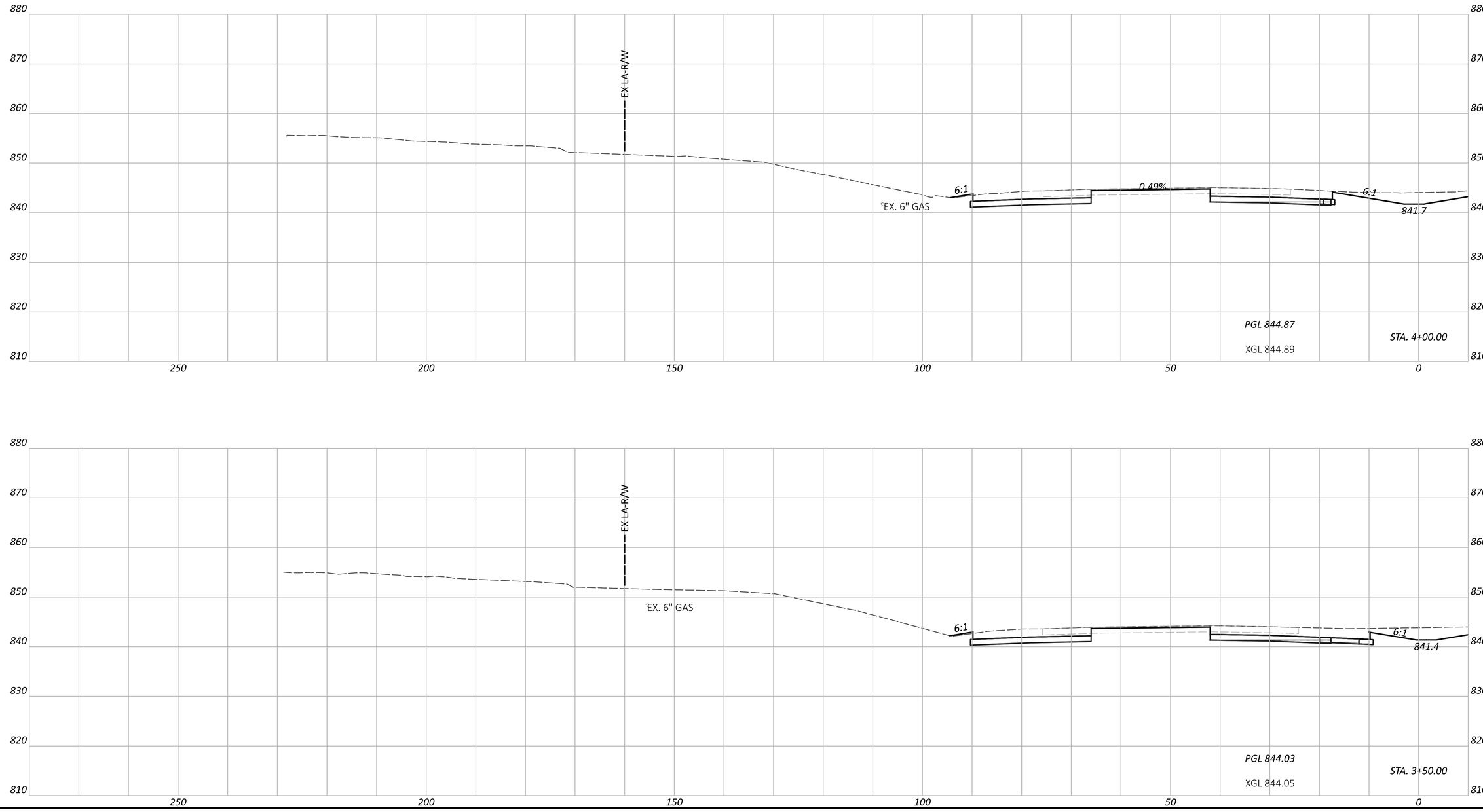
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0397 TOTAL P.1556



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CROSS SECTIONS - IR 70 WB
STA. 3+50.00 TO STA. 4+00.00

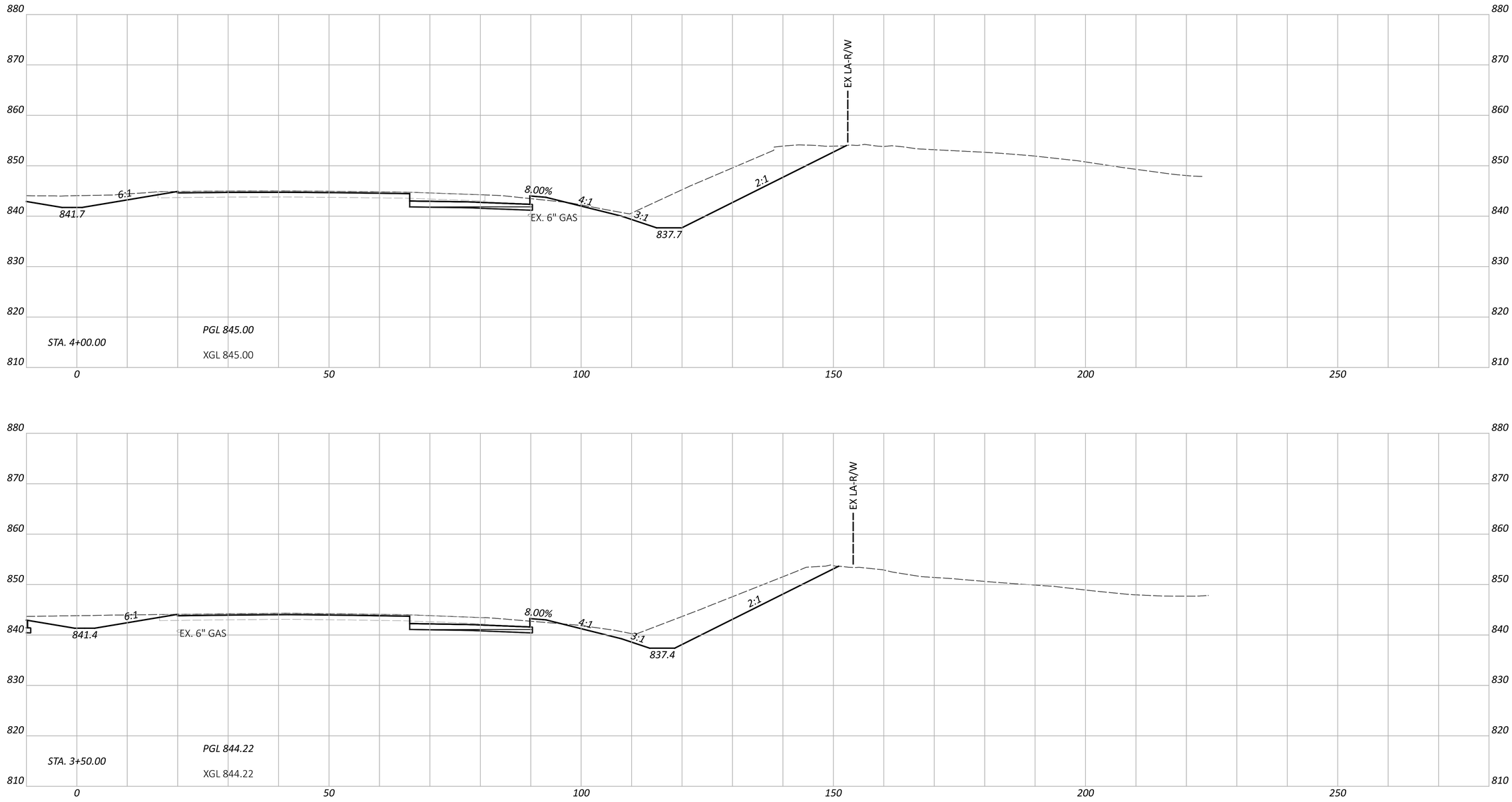
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0398 TOTAL P.1556



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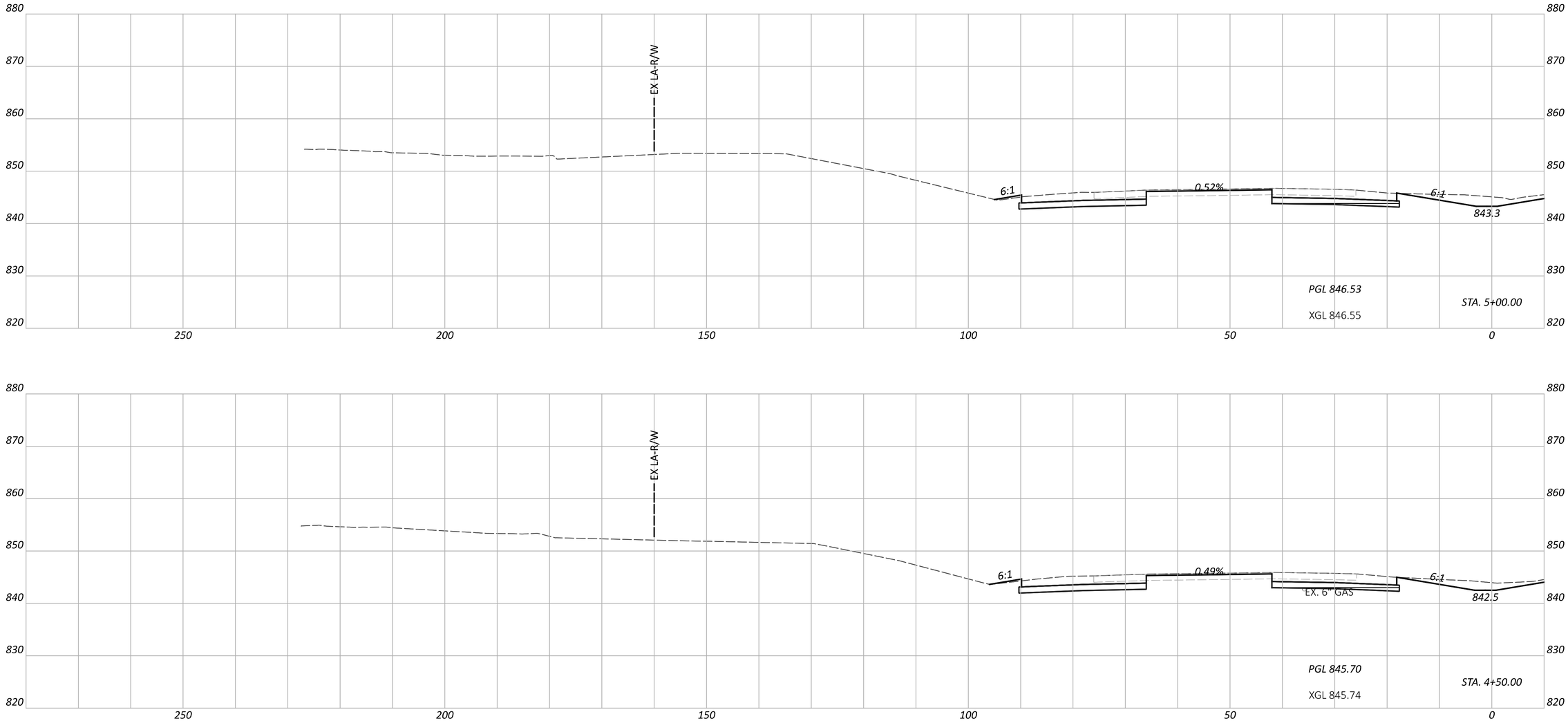
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0399 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 4+50.00 TO STA. 5+00.00

FAI/LIC-IR 70-0.00/0.00

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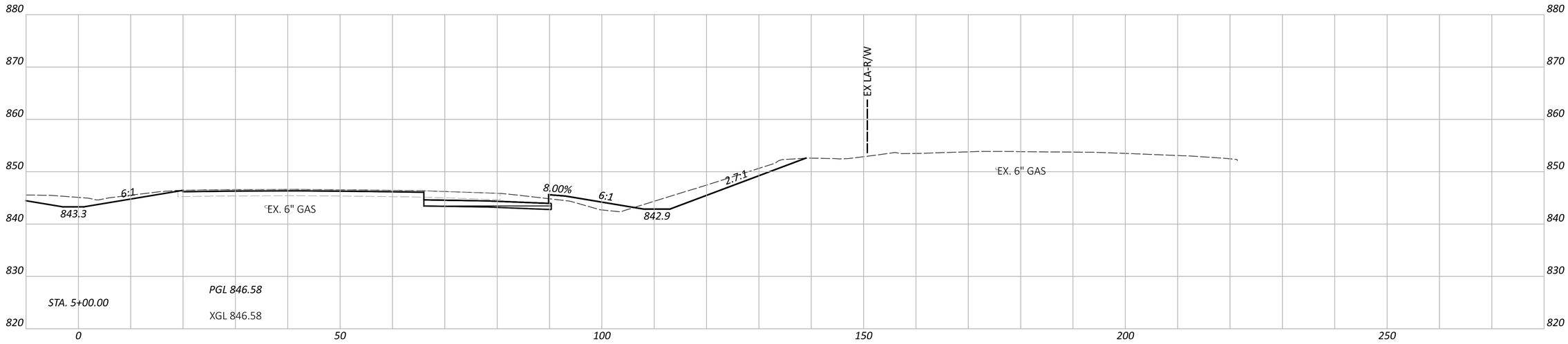
DESIGN AGENCY
STRUCTUREPOINT LLC

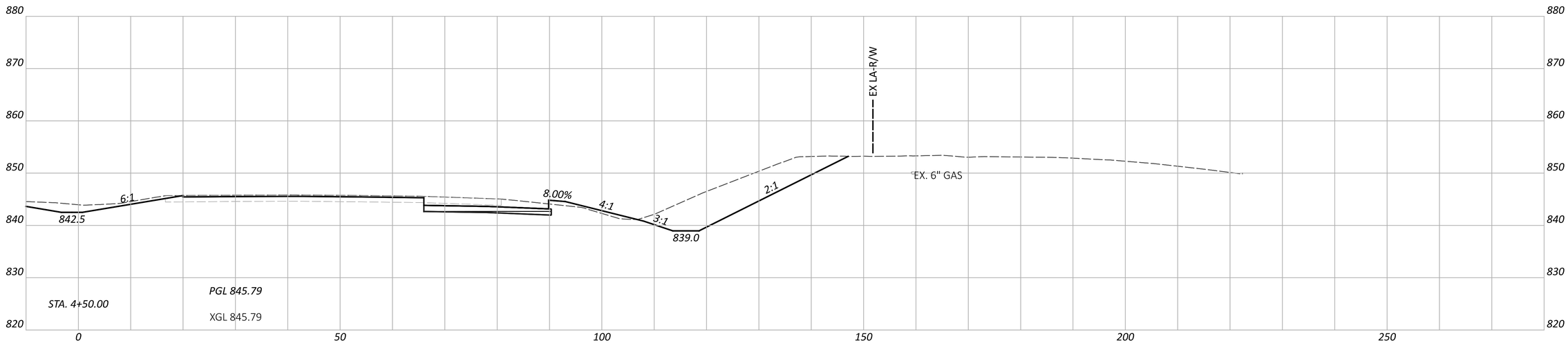
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0400 TOTAL P.1556





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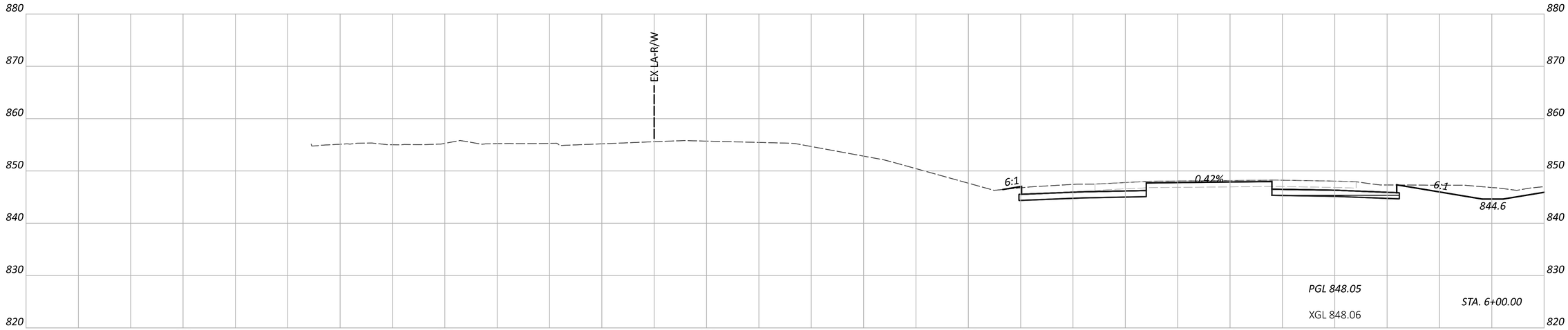
DESIGN AGENCY
STRUCTUREPOINT LLC

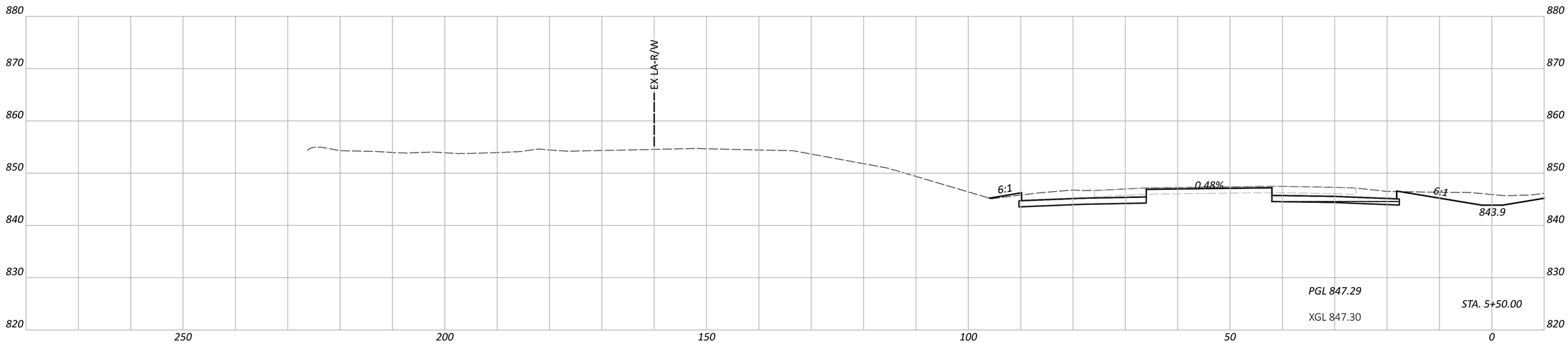
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0401 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
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FAI/LIC-IR 70-0.00/0.00

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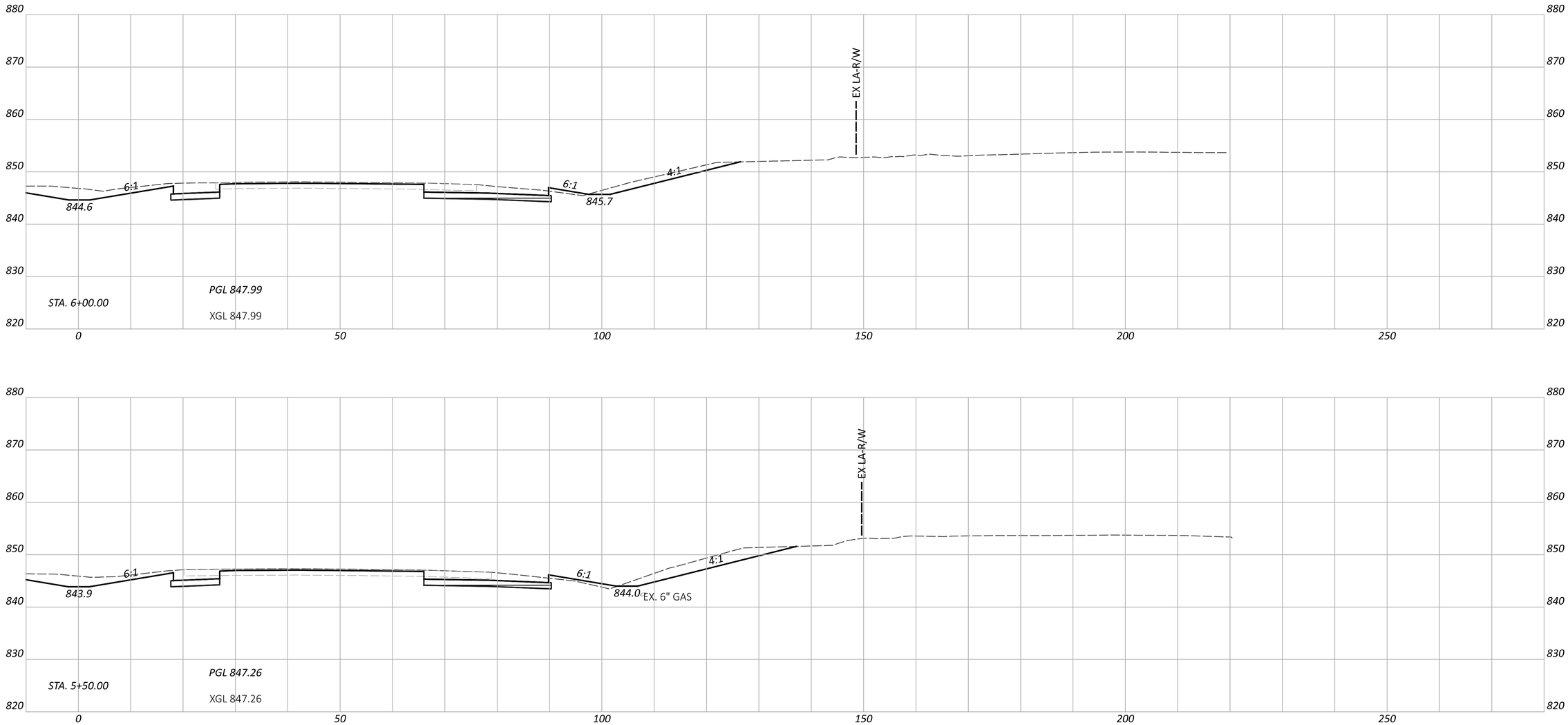
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0402
TOTAL	P.1556



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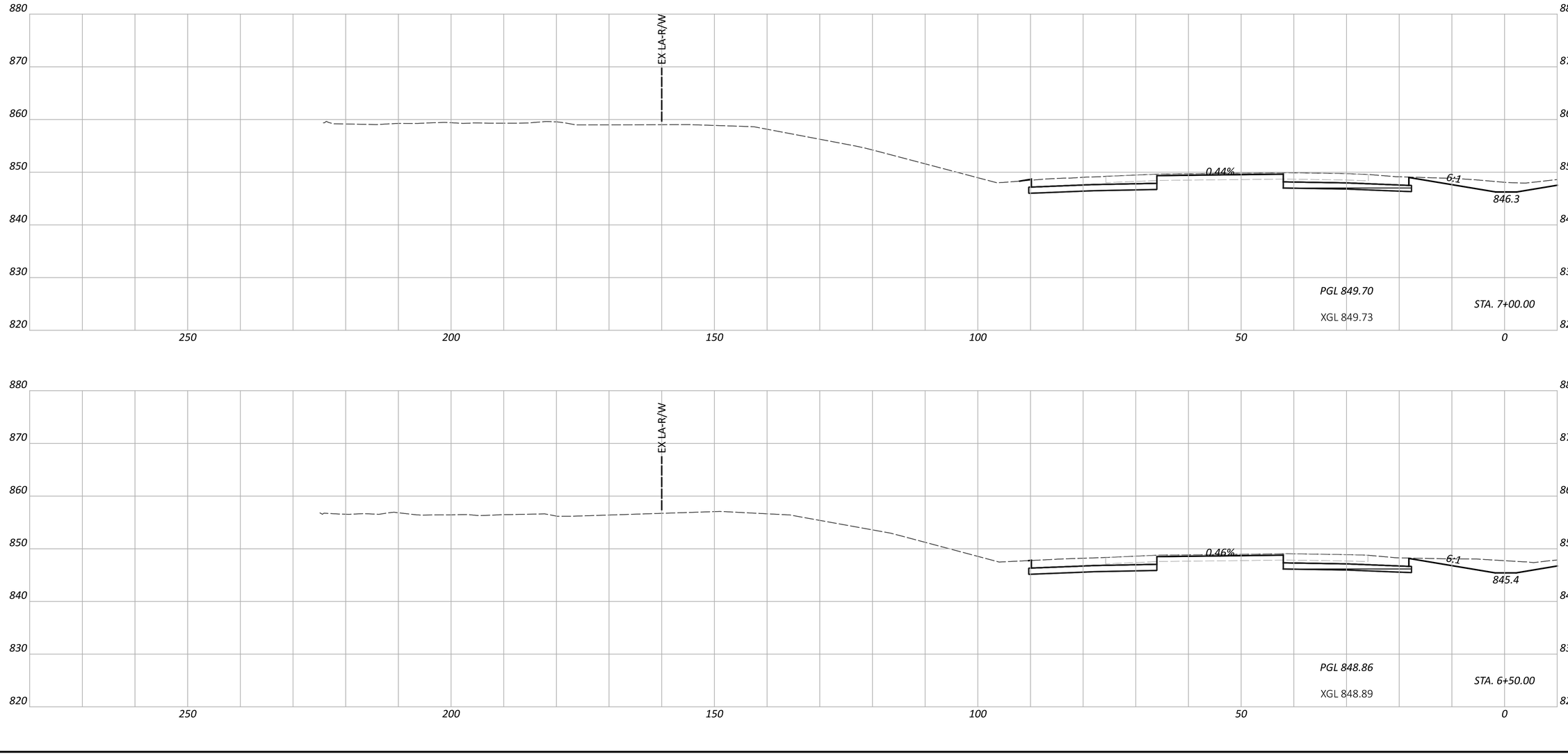
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0403 TOTAL P.1556



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CROSS SECTIONS - IR 70 WB
STA. 6+50.00 TO STA. 7+00.00

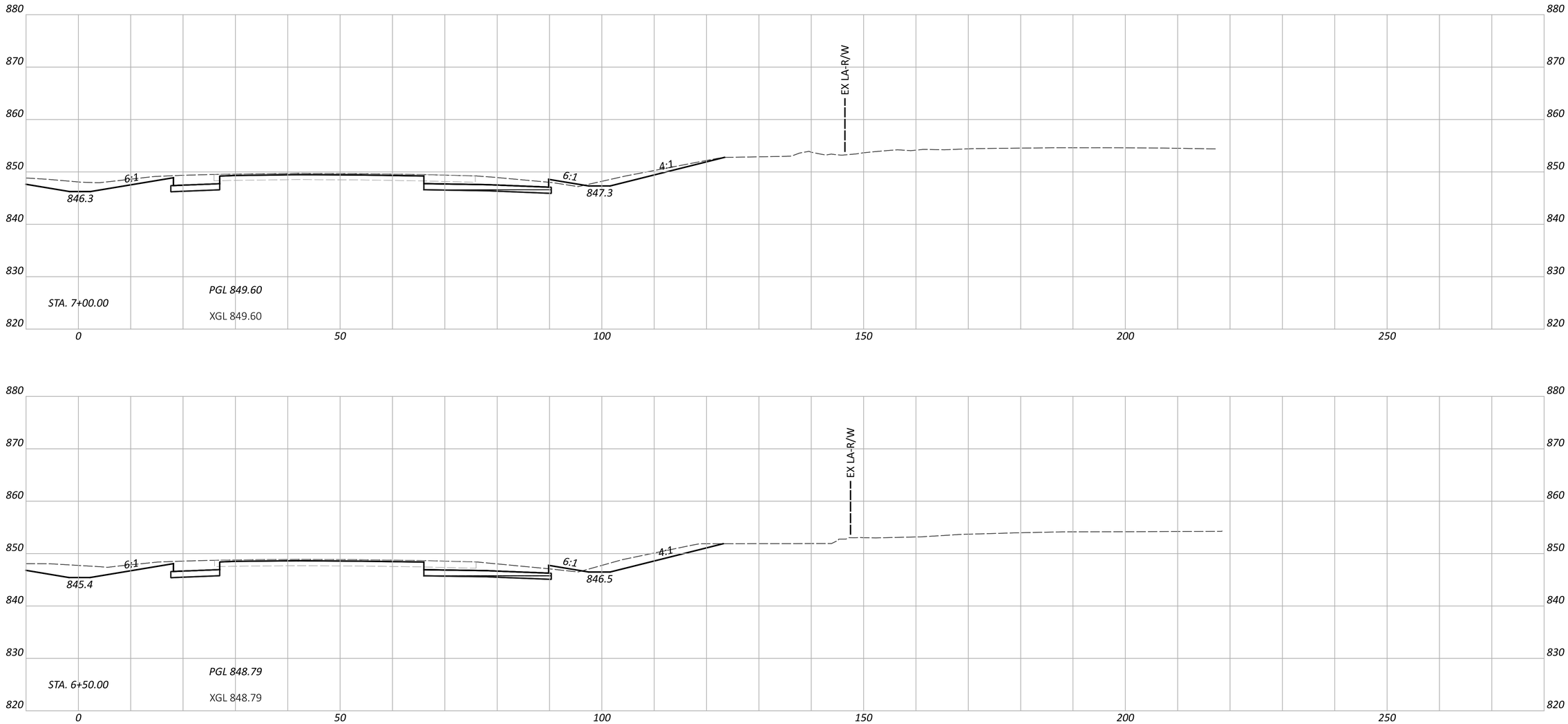
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0404 TOTAL P.1556



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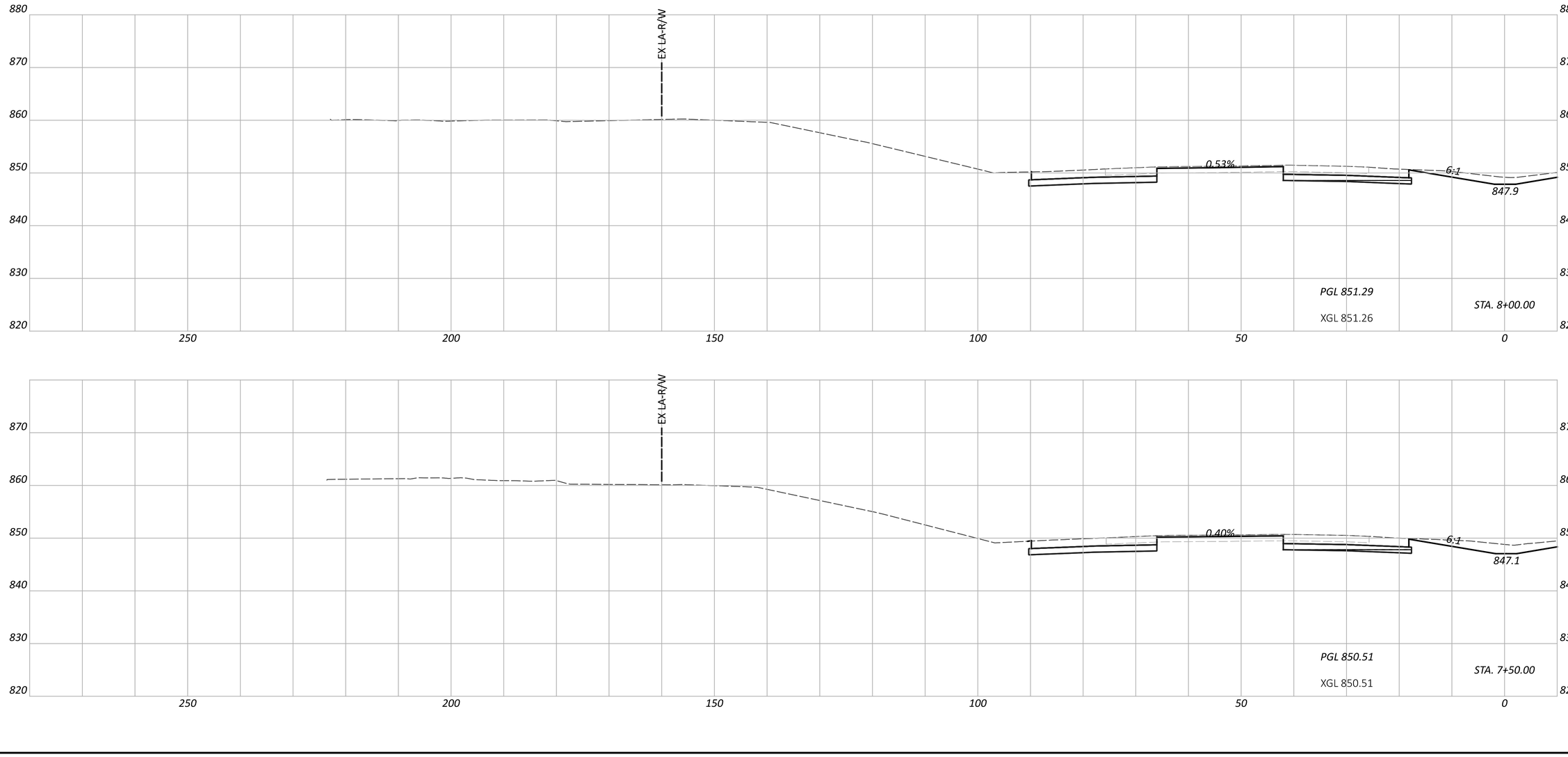
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0405 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
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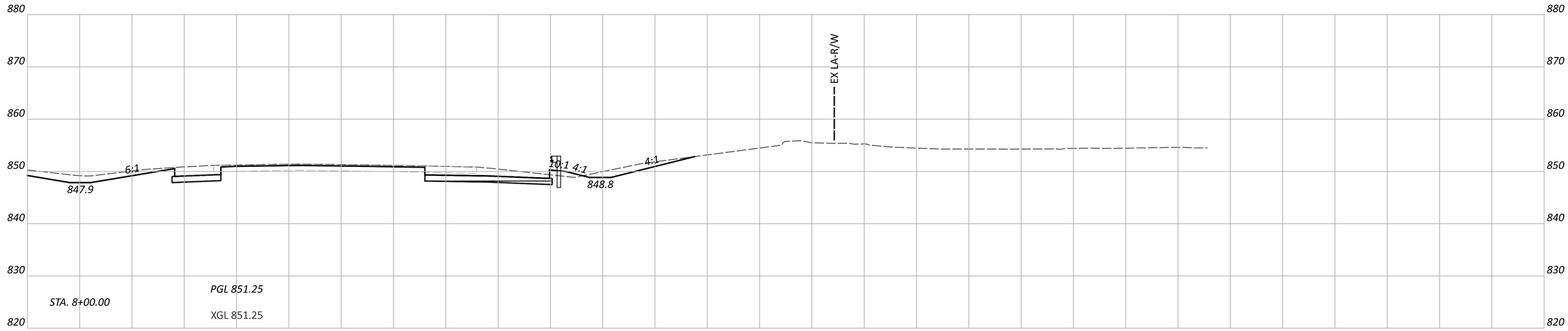
DESIGN AGENCY
STRUCTUREPOINT LLC

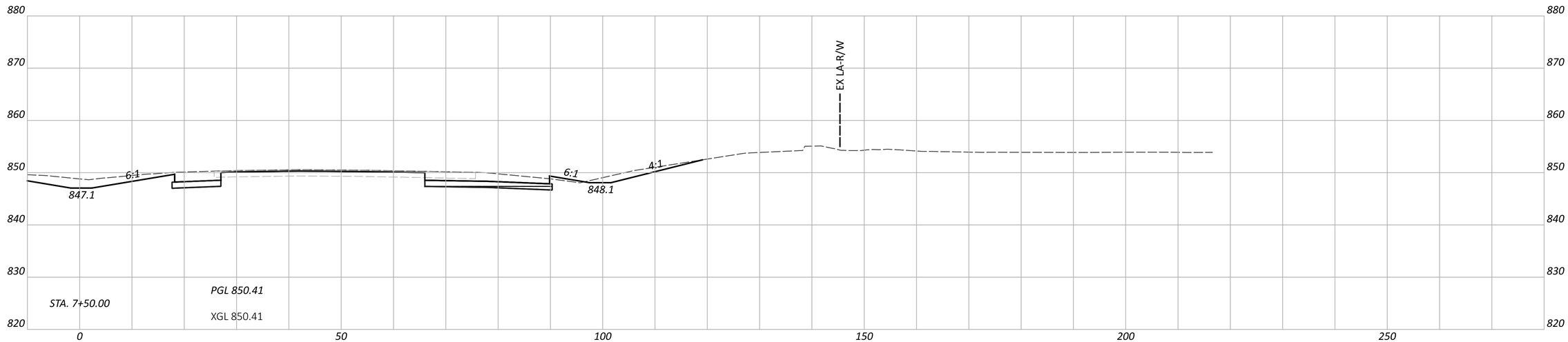
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0406 TOTAL P.1556





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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0407 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 8+50.00 TO STA. 9+00.00

FAI/LIC-IR 70-0.00/0.00

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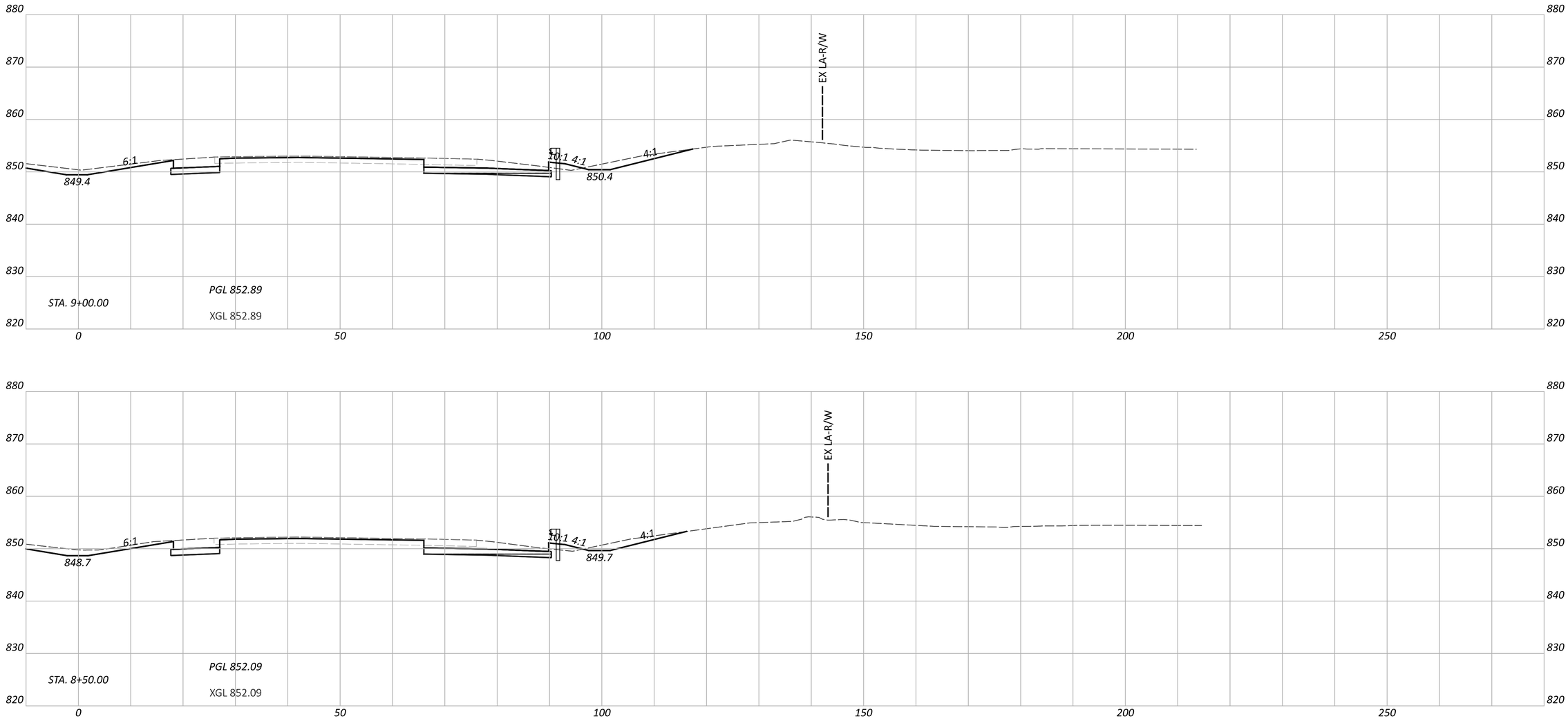
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0408 | TOTAL P.1556



CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

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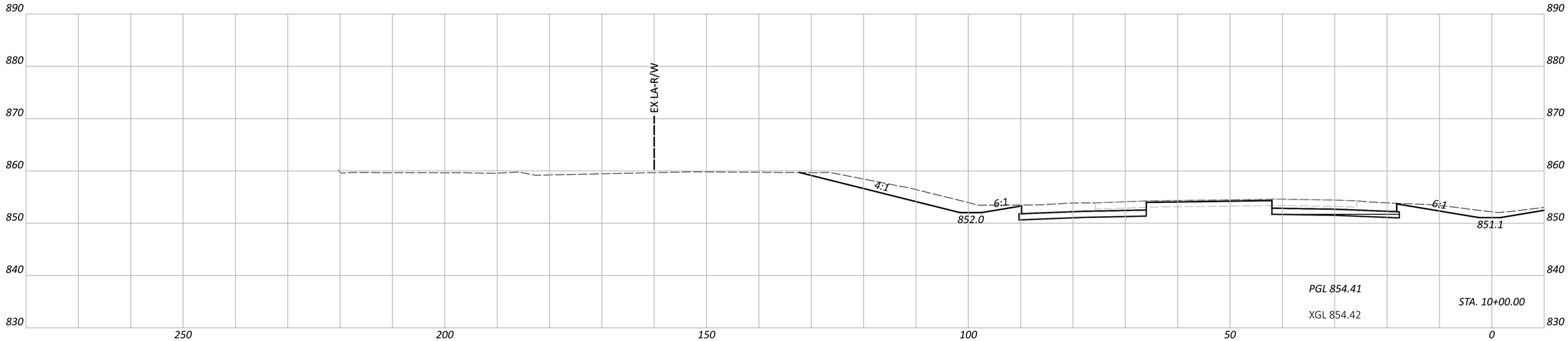
DESIGN AGENCY
STRUCTUREPOINT LLC

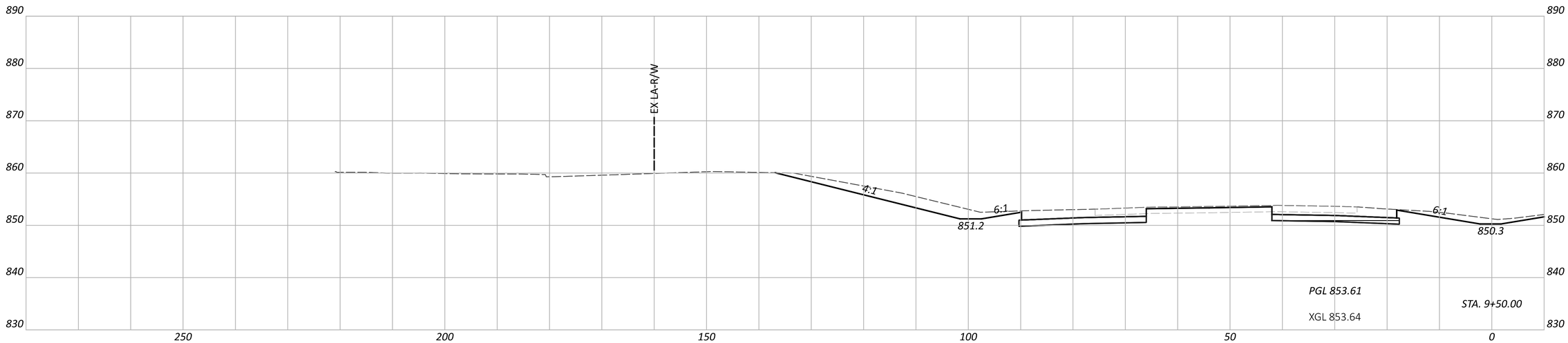
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0409 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 9+50.00 TO STA. 10+00.00

FAI/LIC-IR 70-0.00/0.00

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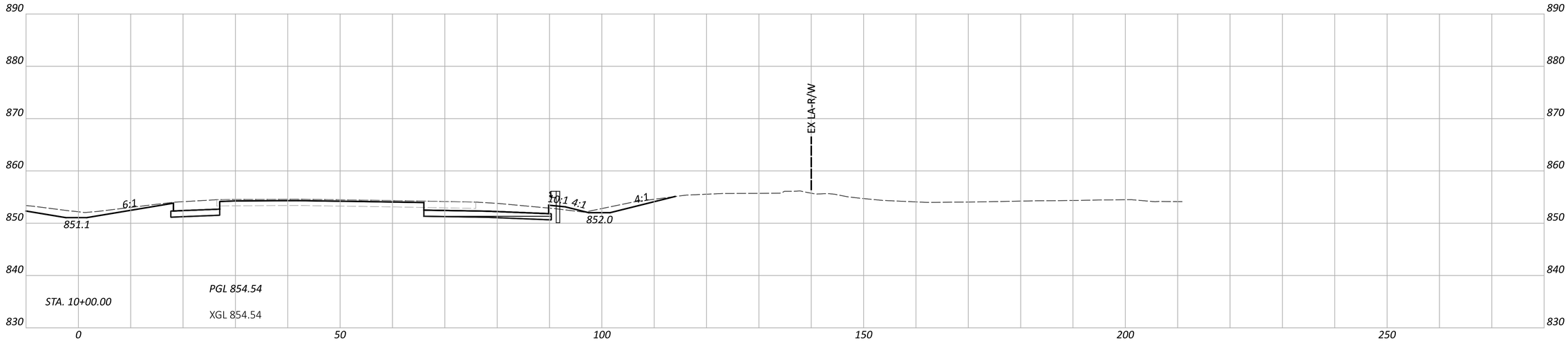
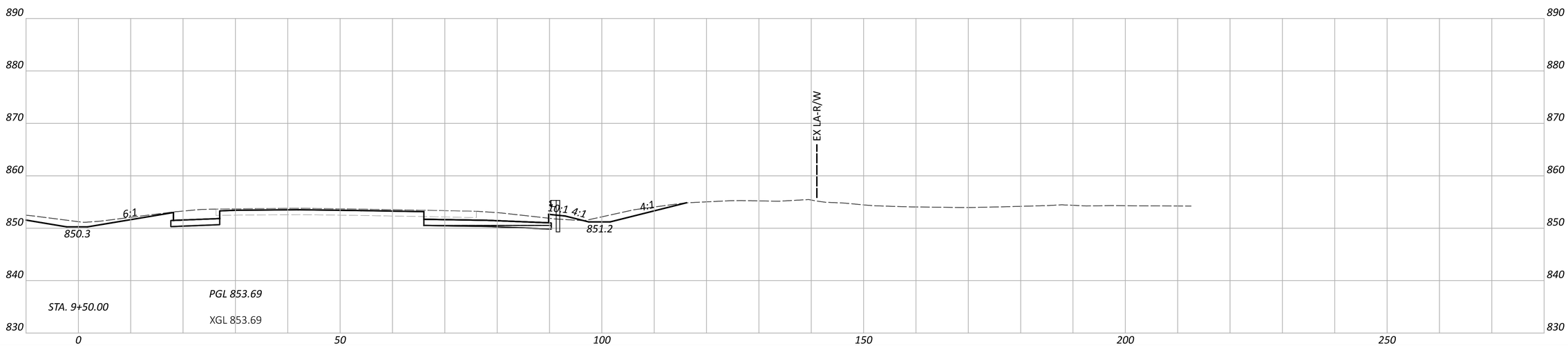
DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0410
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
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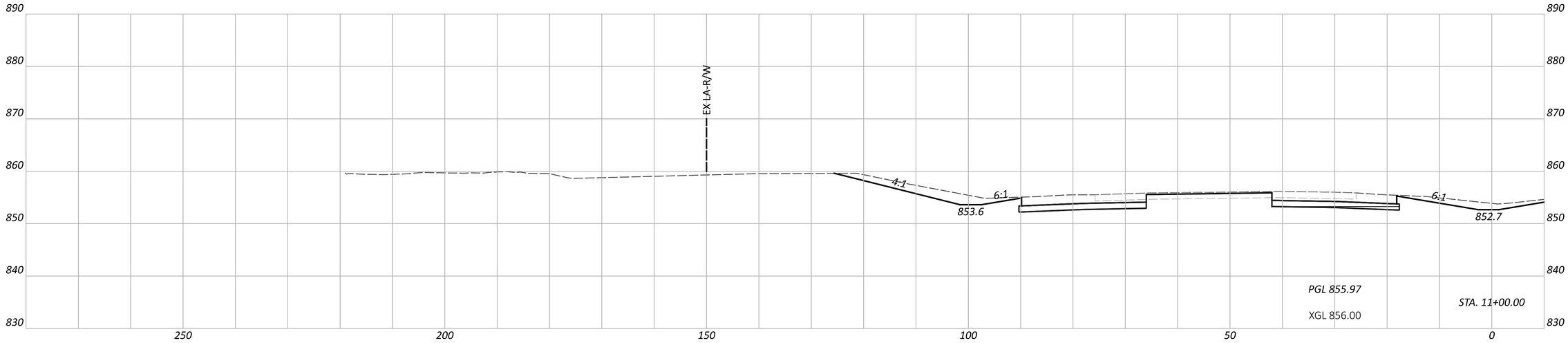
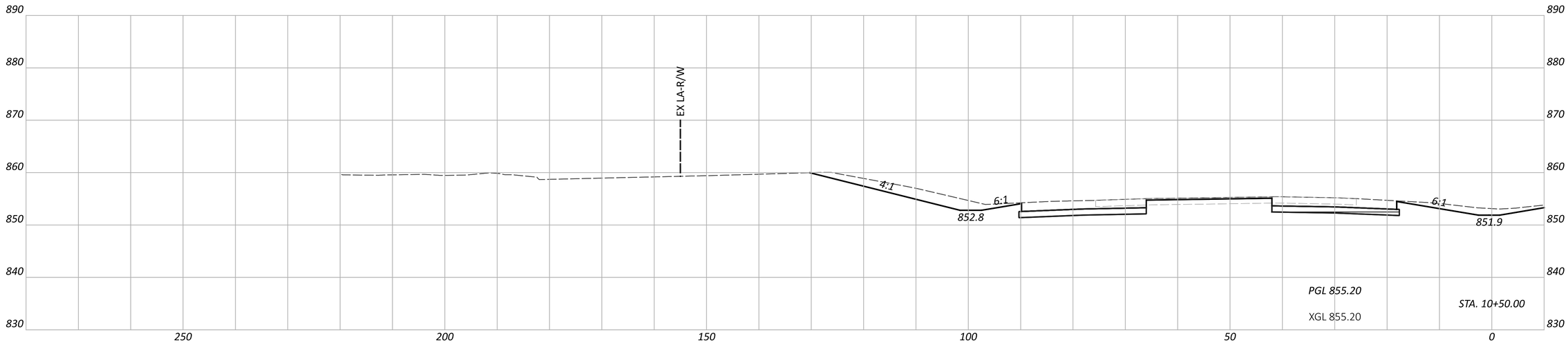
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0411
TOTAL	P.1556





CROSS SECTIONS - IR 70 WB
STA. 10+50.00 TO STA. 11+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0412 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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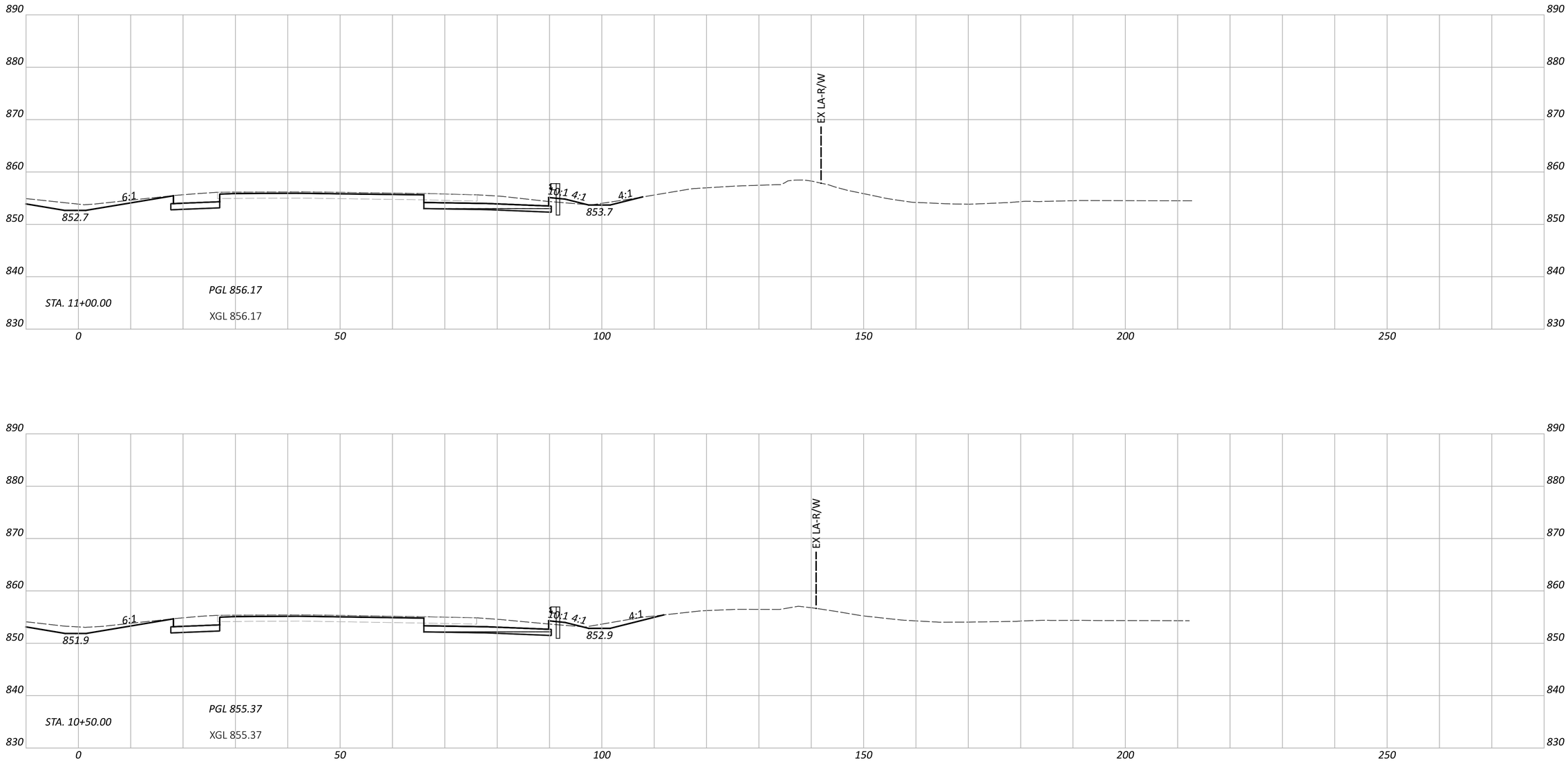

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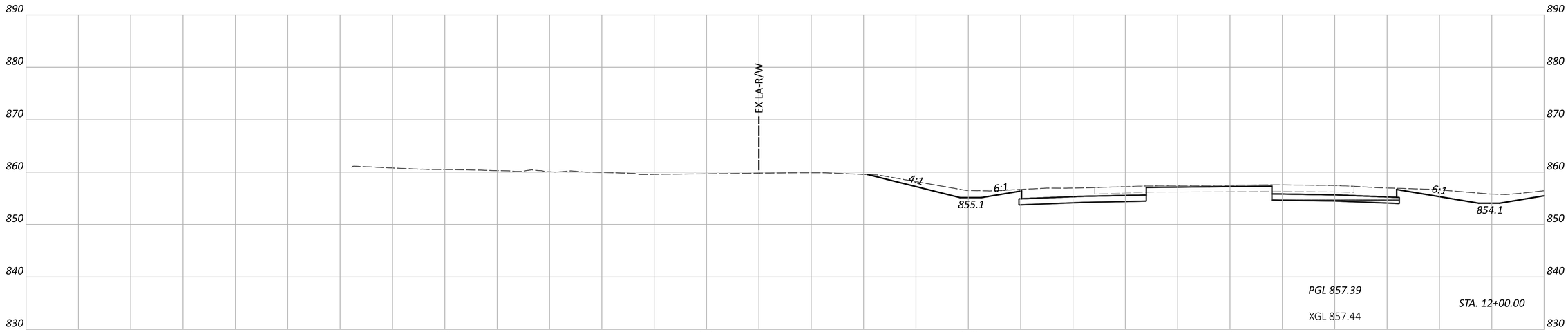
DESIGN AGENCY
STRUCTUREPOINT LLC

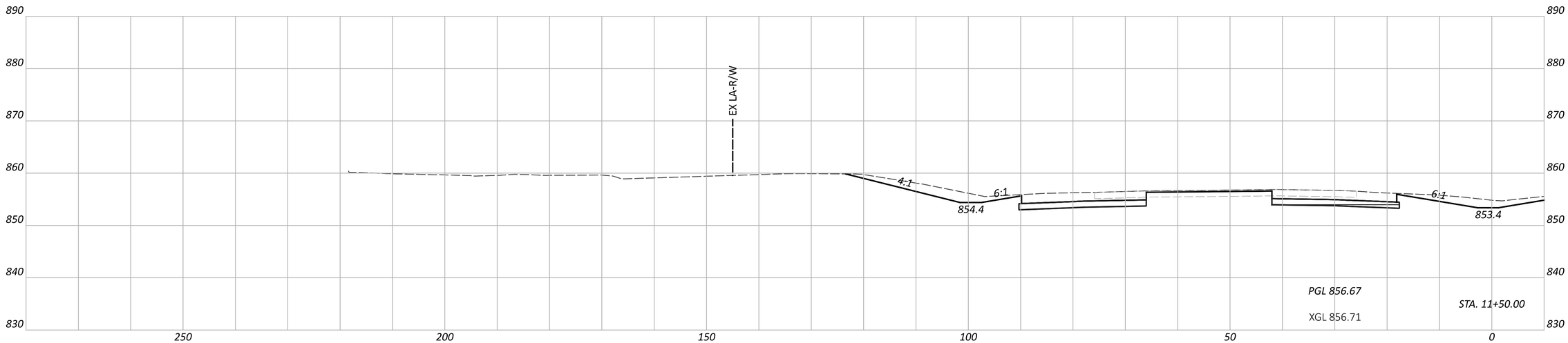
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0413 TOTAL P.1556





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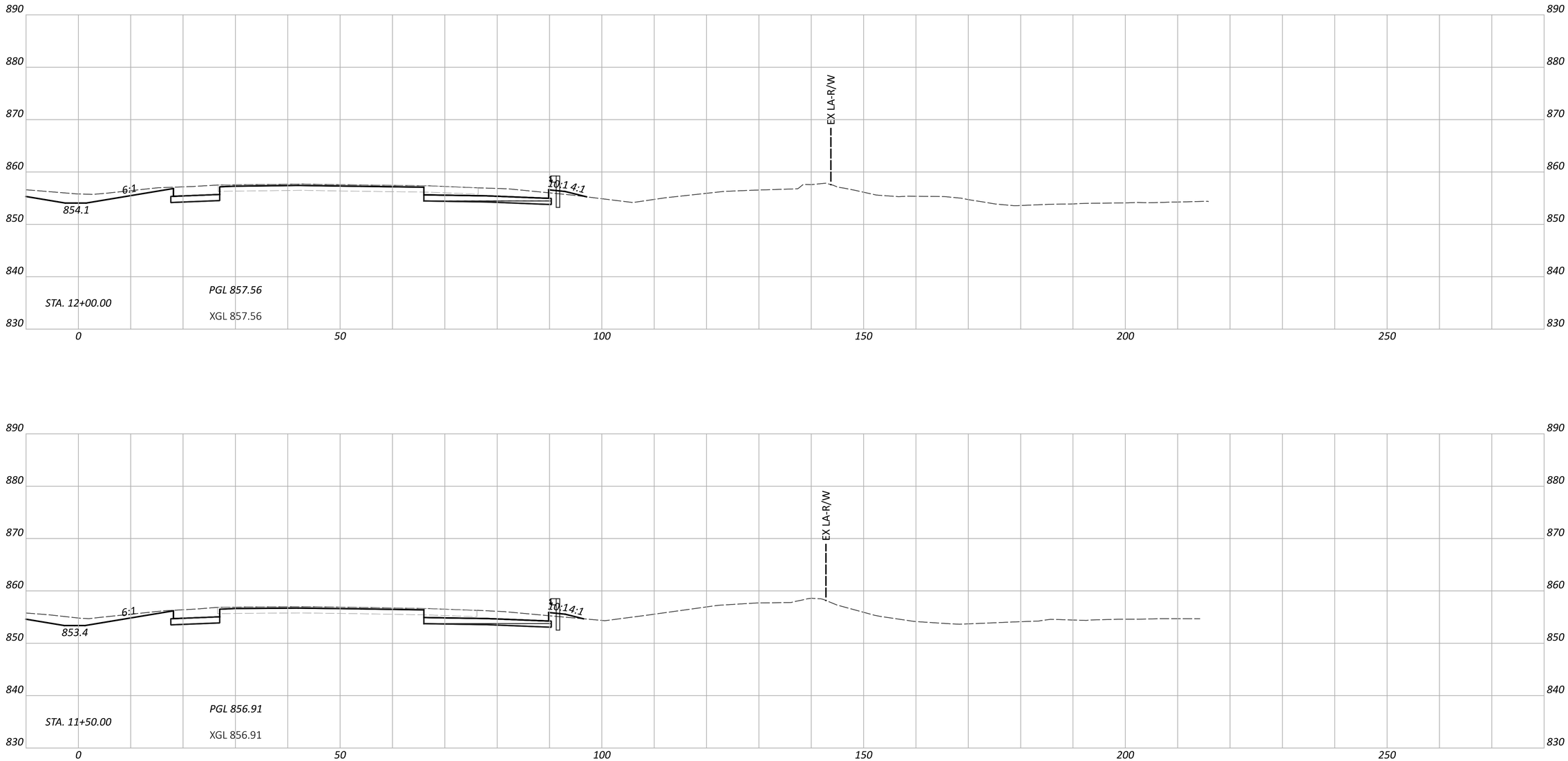
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0414
TOTAL	P.1556



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FAI/LIC-IR 70-0.00/0.00

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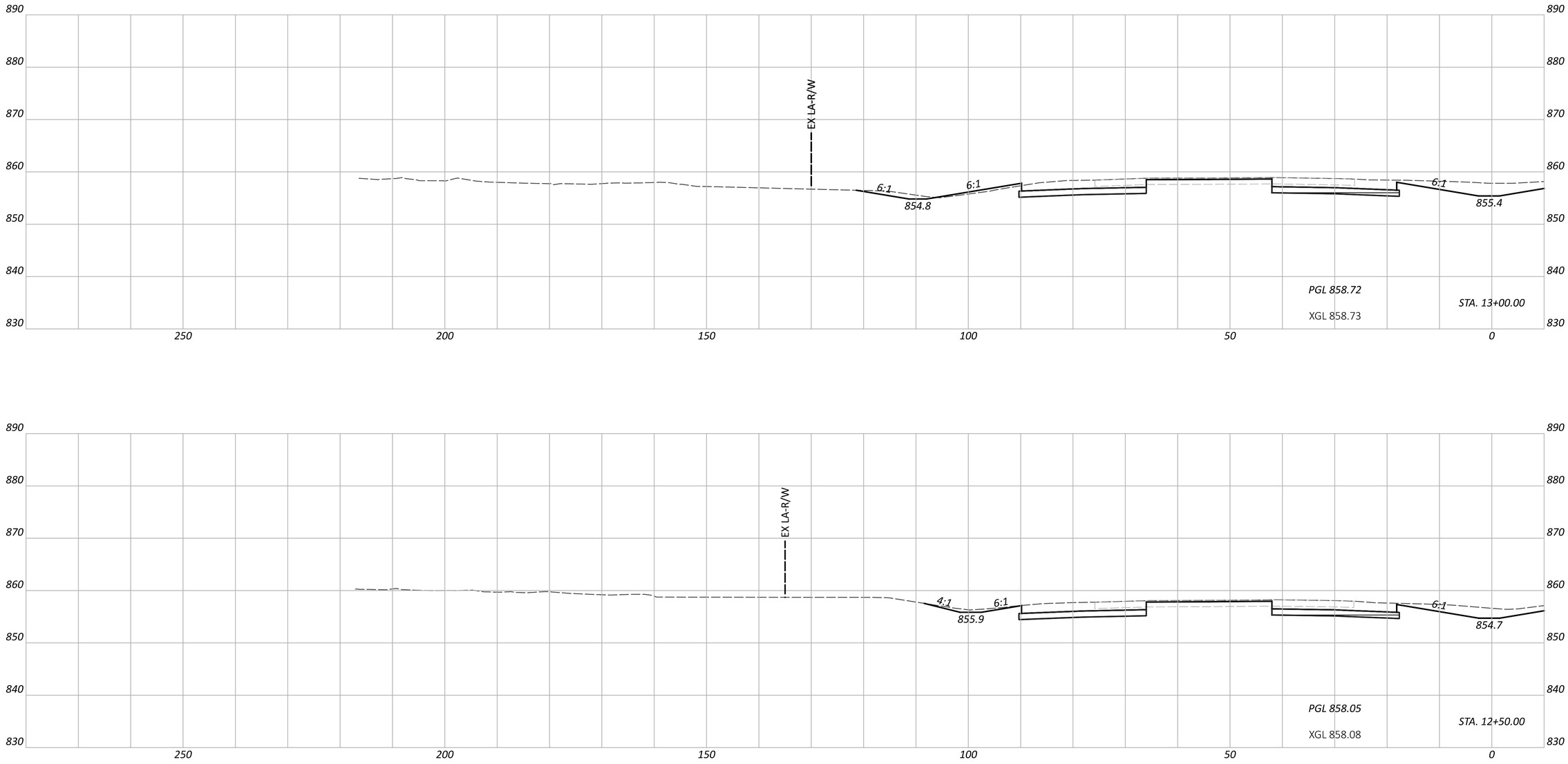
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0415 TOTAL P.1556



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FAI/LIC-IR 70-0.00/0.00

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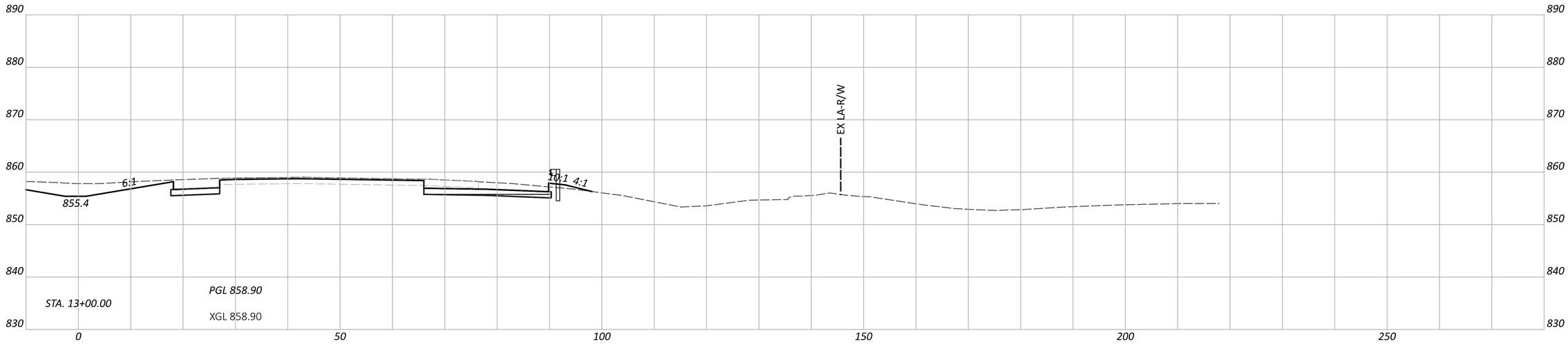
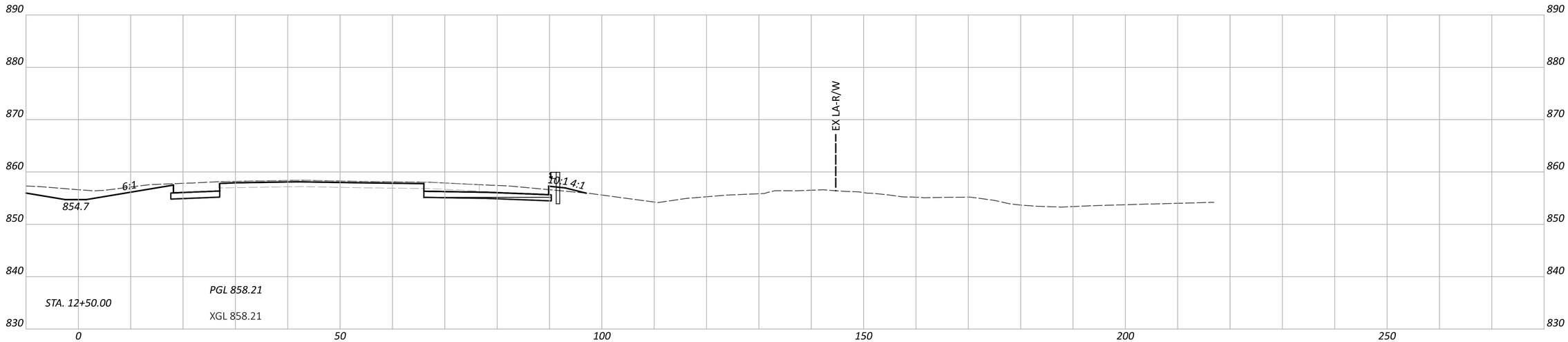
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0416
TOTAL	P.1556





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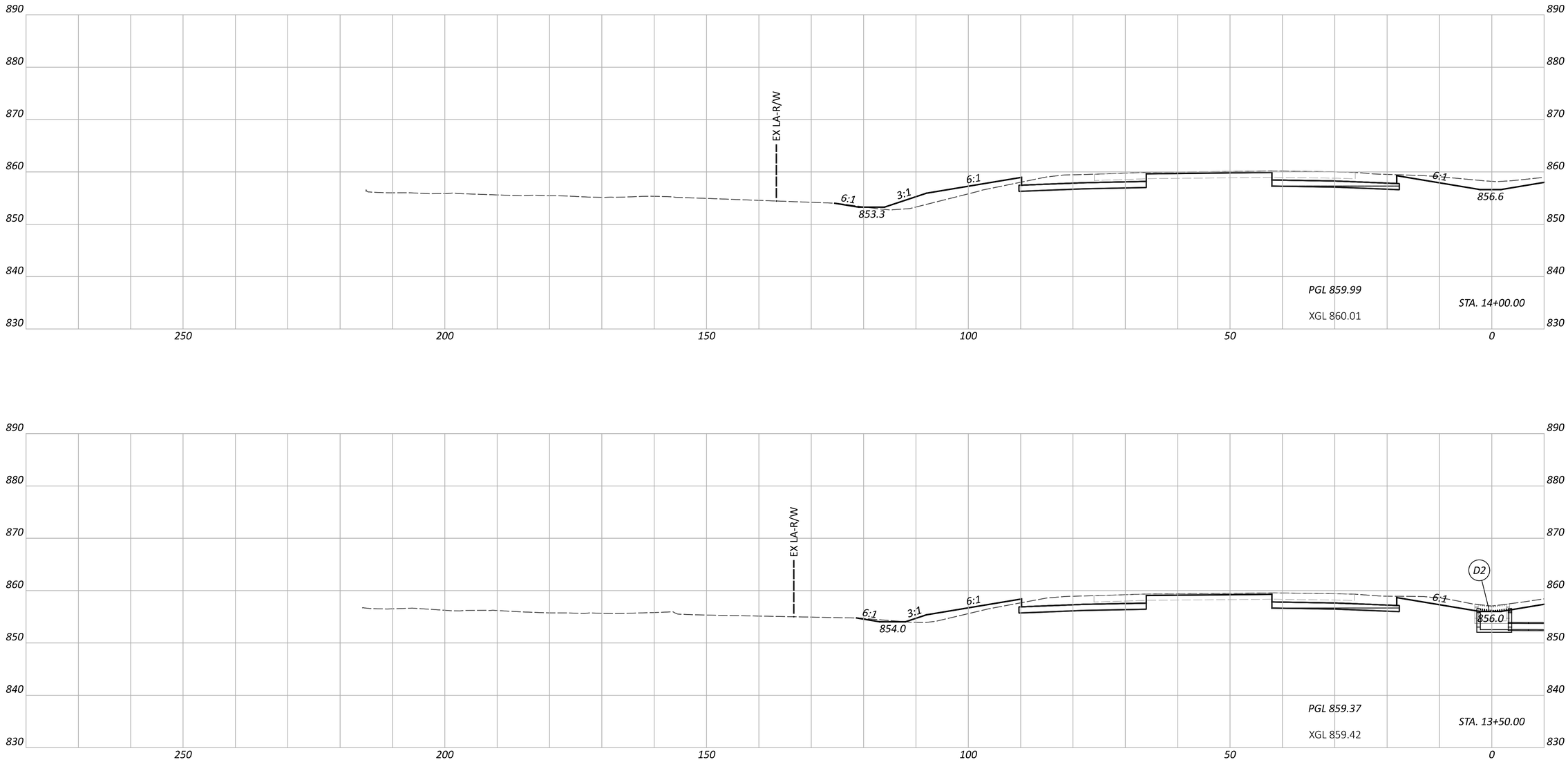
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0417
TOTAL	P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 13+50.00 TO STA. 14+00.00

FAI/LIC-IR 70-0.00/0.00

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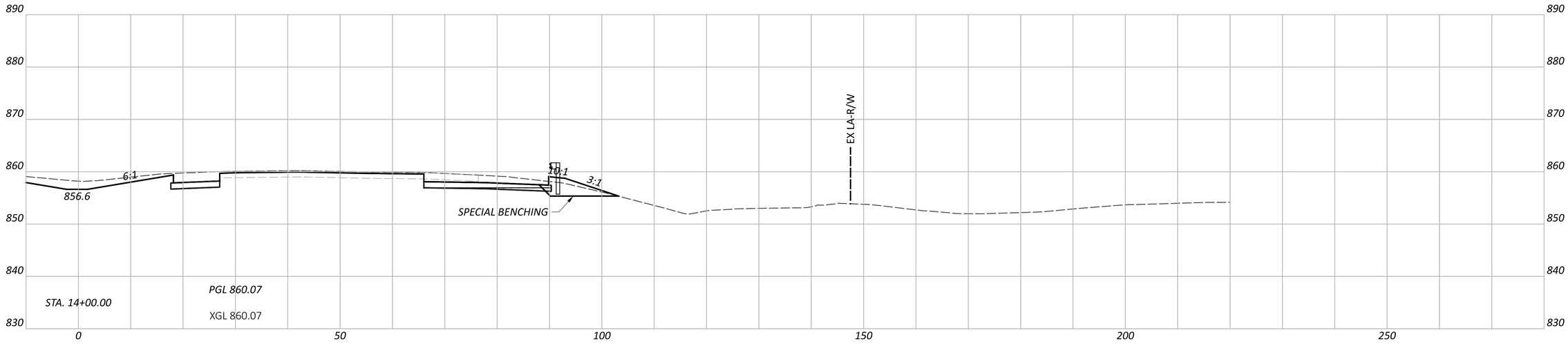
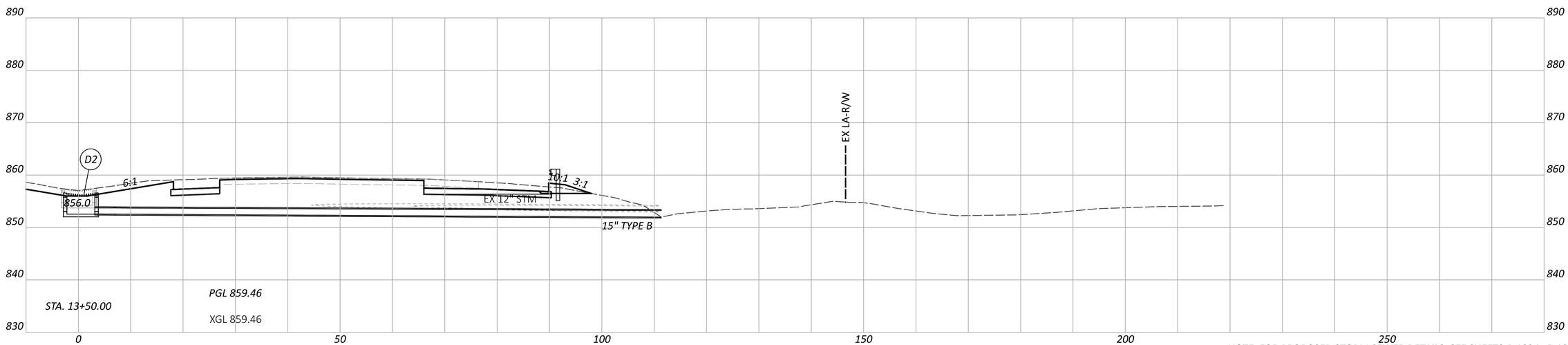
DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0418
TOTAL	P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 13+50.00 TO STA. 14+00.00

FAI/LIC-IR 70-0.00/0.00

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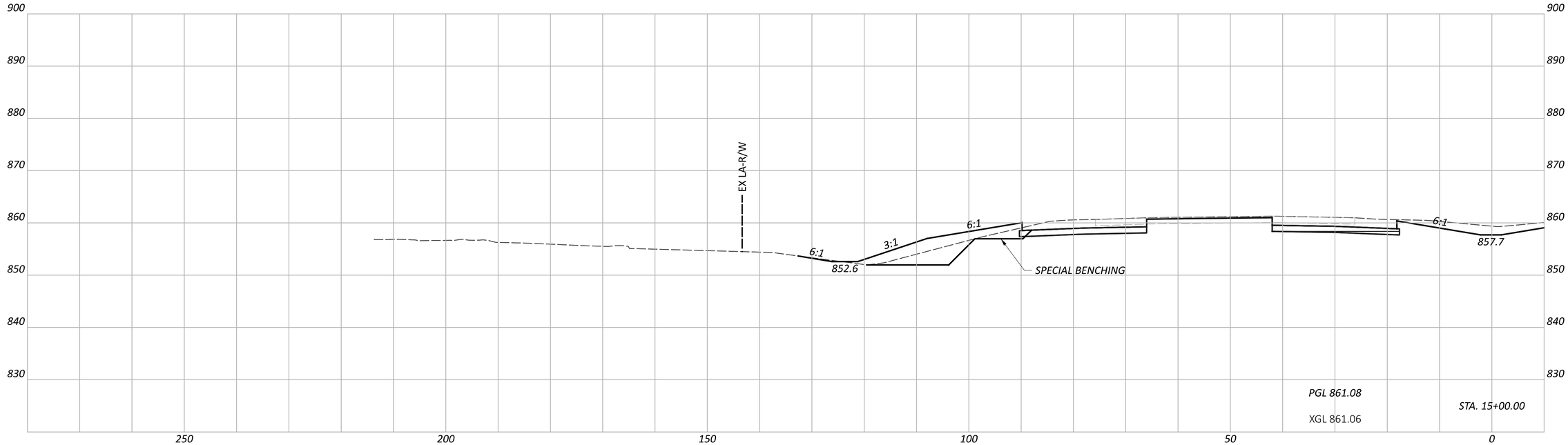
DESIGN AGENCY
STRUCTUREPOINT LLC

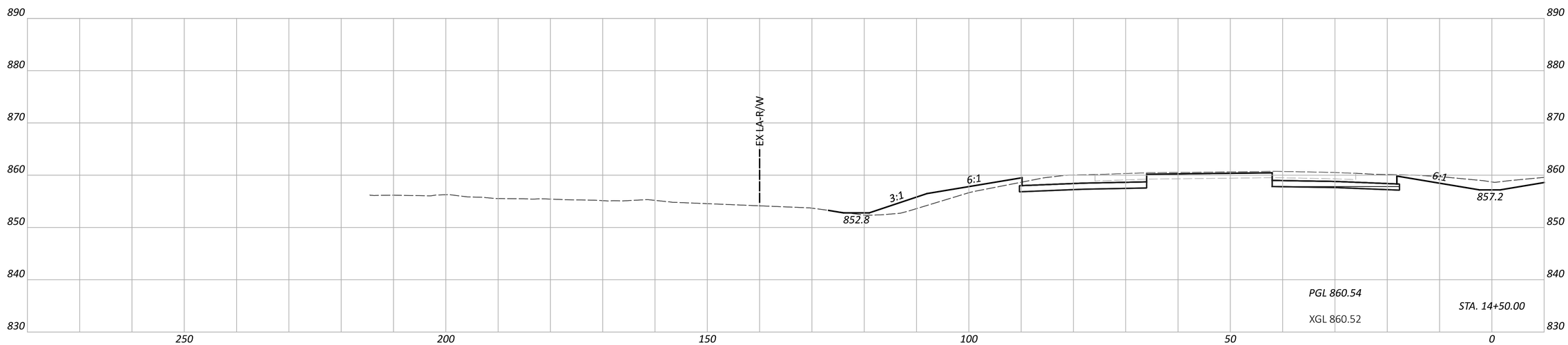
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0419 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
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FAI/LIC-IR 70-0.00/0.00

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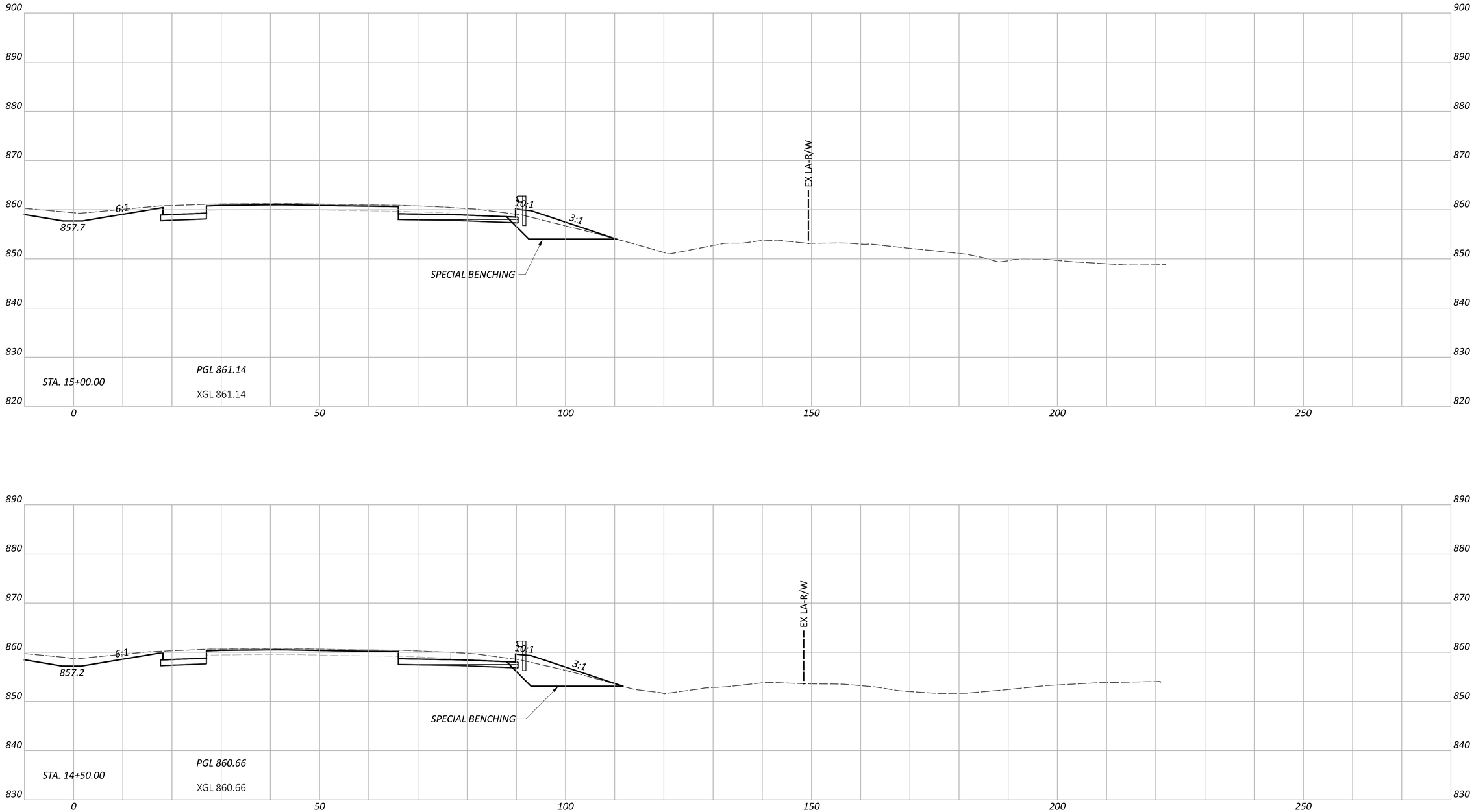
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0420 TOTAL P.1556



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FAI/LIC-IR 70-0.00/0.00

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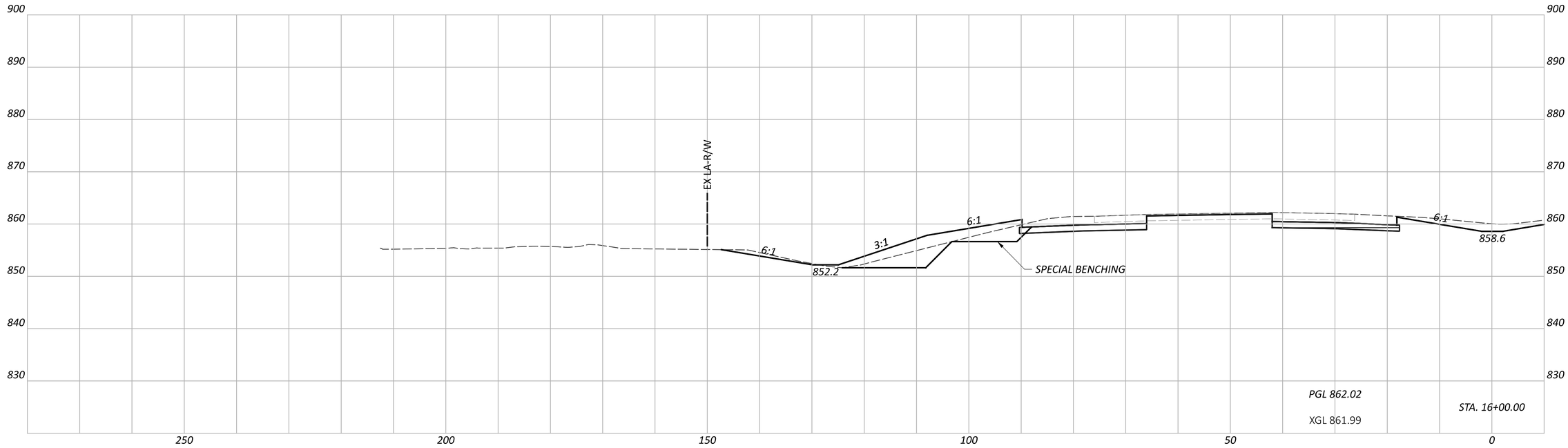
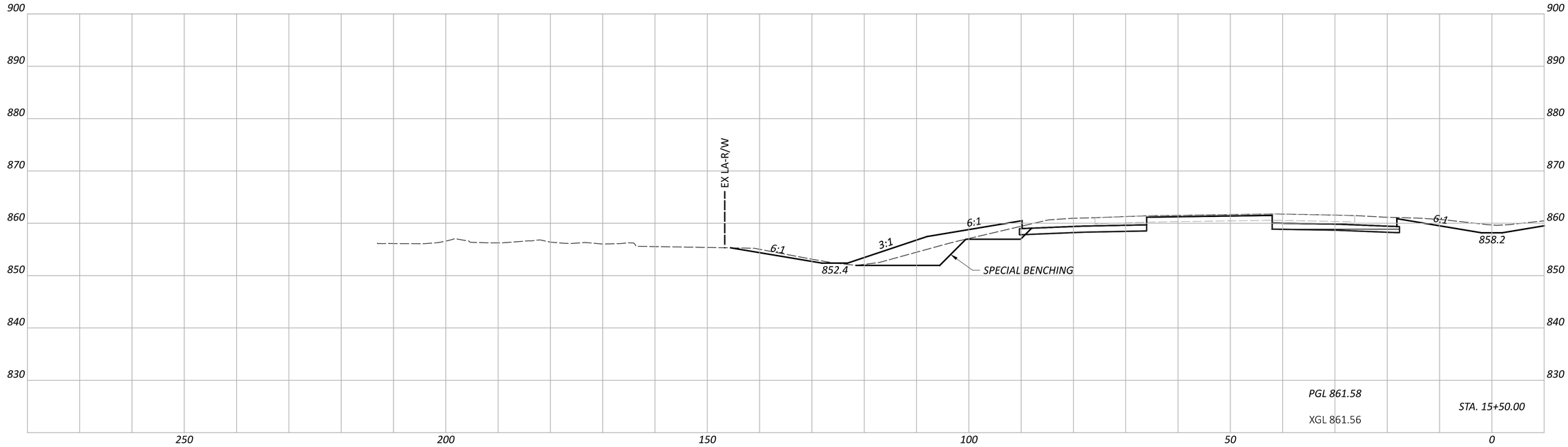
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0421
TOTAL	P.1556





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STA. 15+50.00 TO STA. 16+00.00

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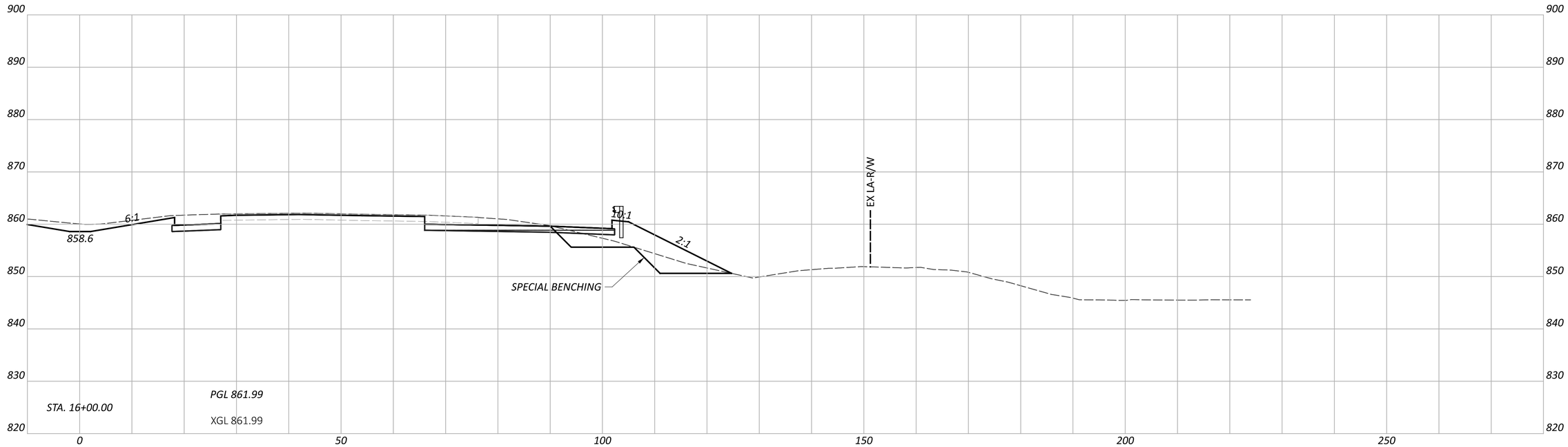
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

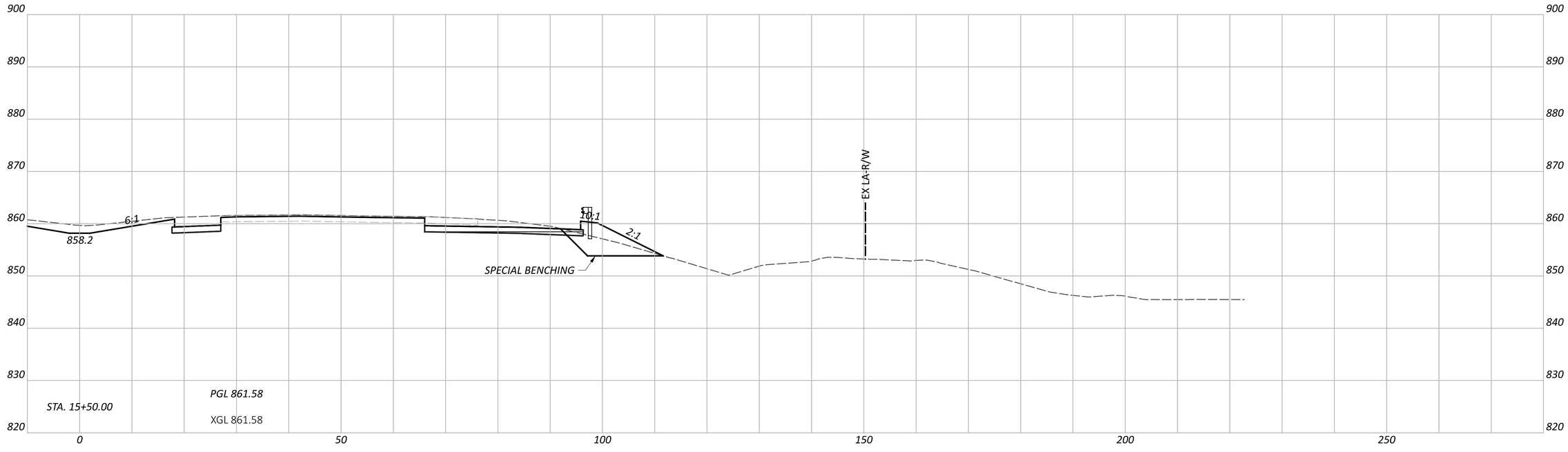
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0422 TOTAL P.1556





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CROSS SECTIONS - IR 70 EB
STA. 15+50.00 TO STA. 16+00.00

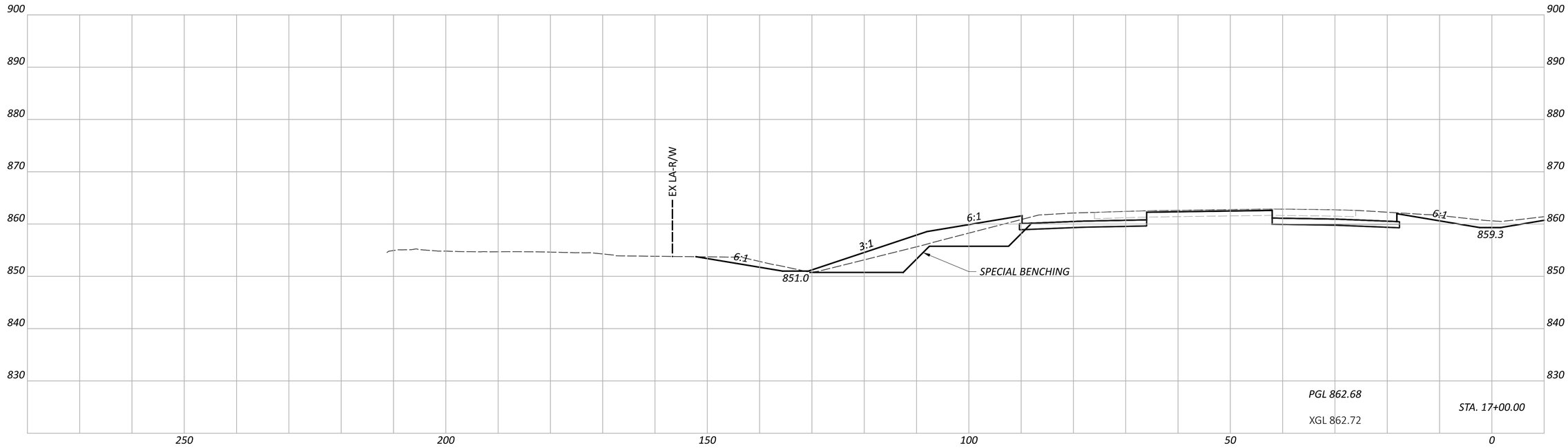
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

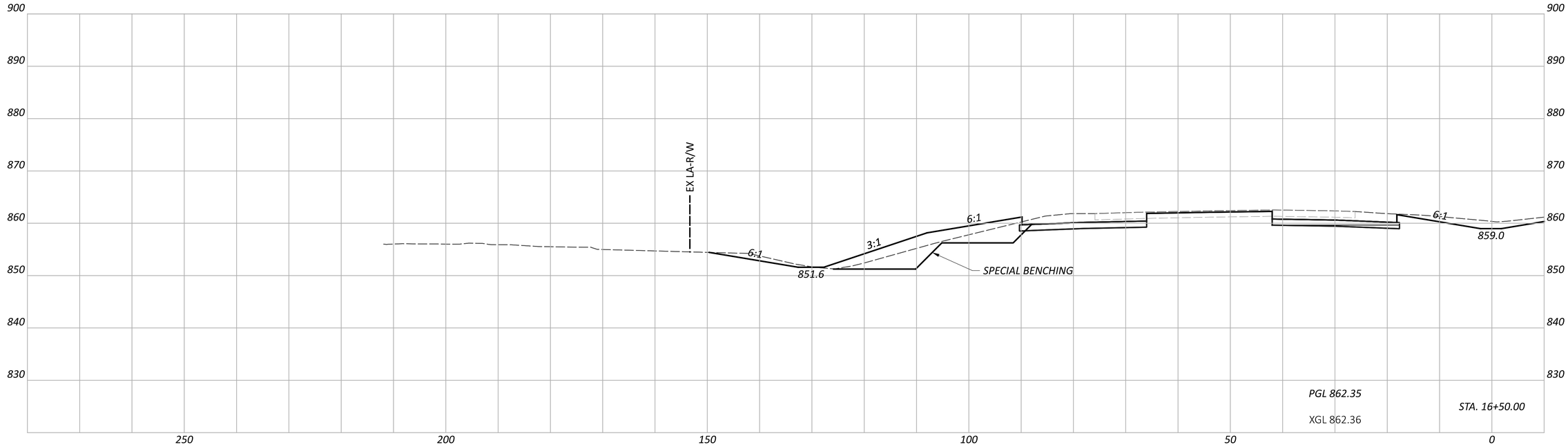
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0423 TOTAL P.1556





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STA. 16+50.00 TO STA. 17+00.00

FAI/LIC-IR 70-0.00/0.00

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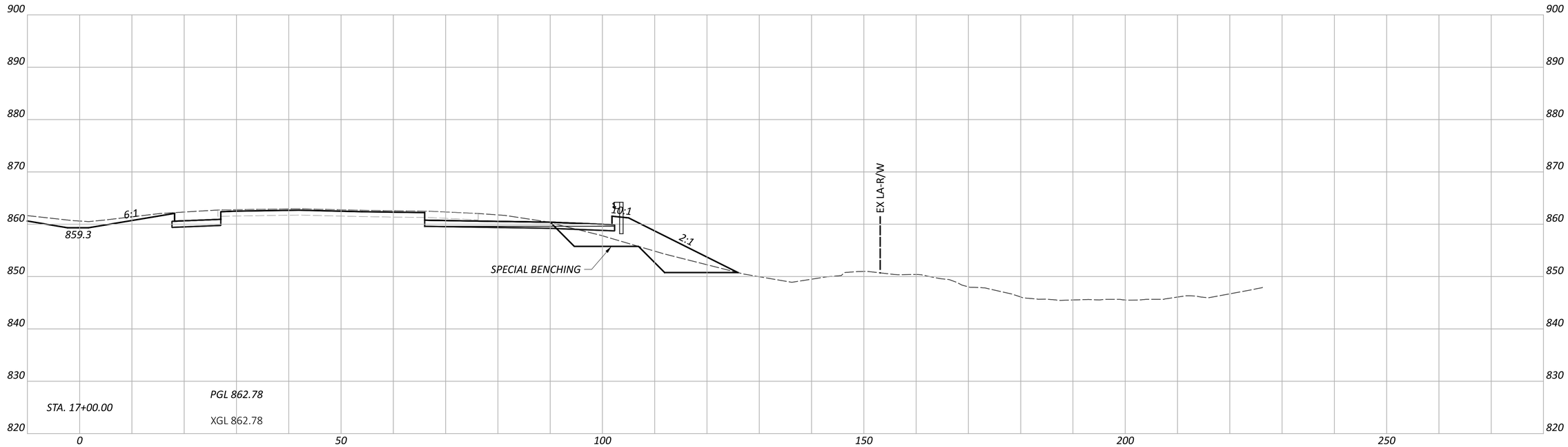
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

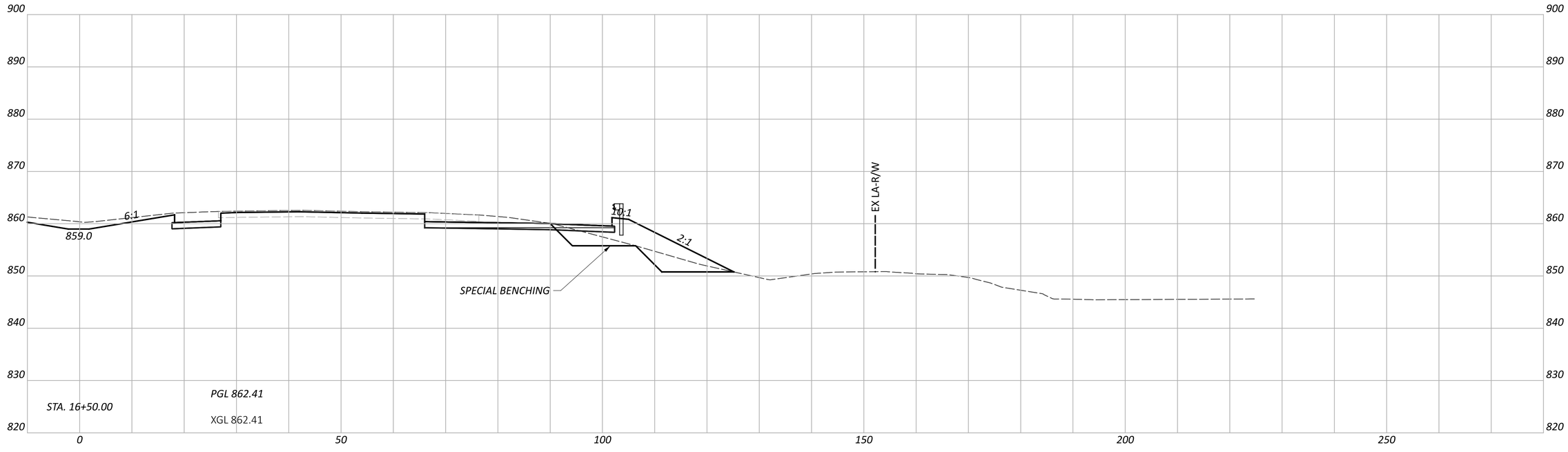
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0424 TOTAL P.1556





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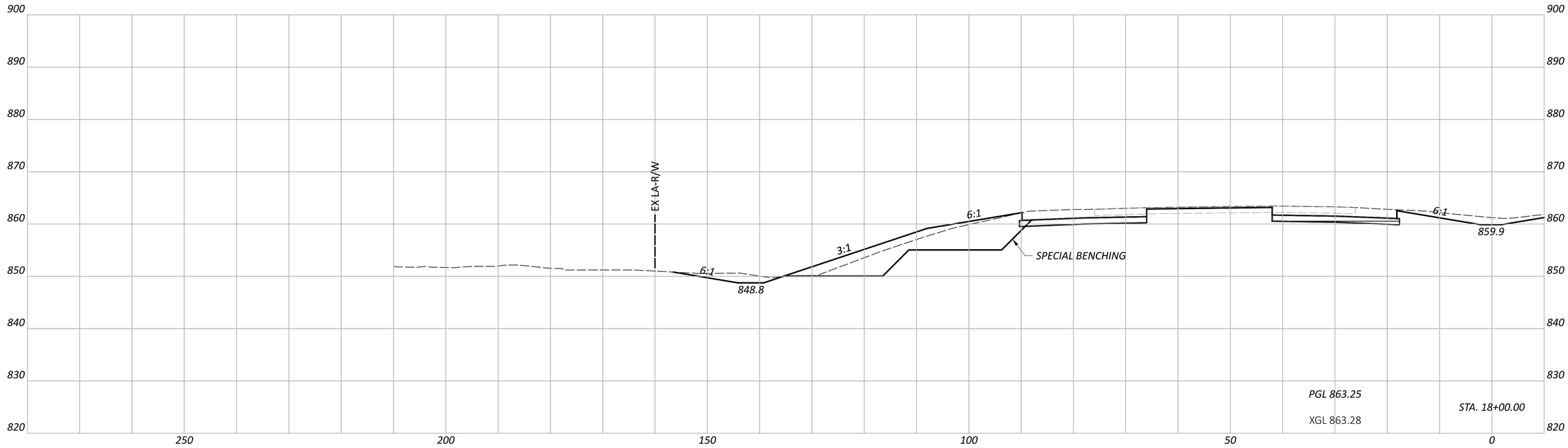
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

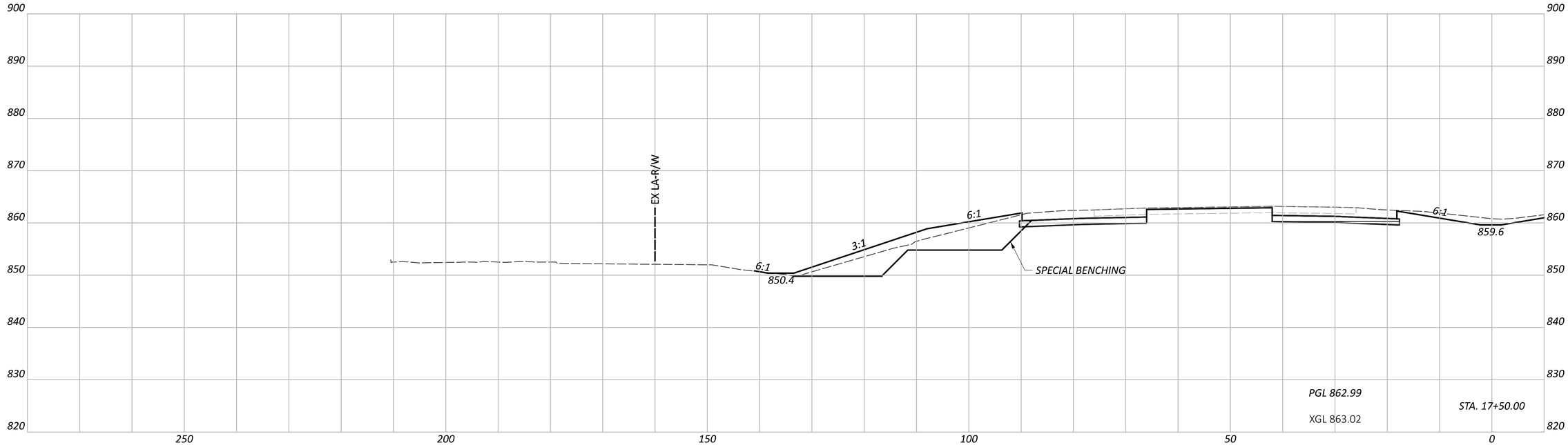
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0425 | TOTAL P.1556





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CROSS SECTIONS - IR 70 WB
STA. 17+50.00 TO STA. 18+00.00

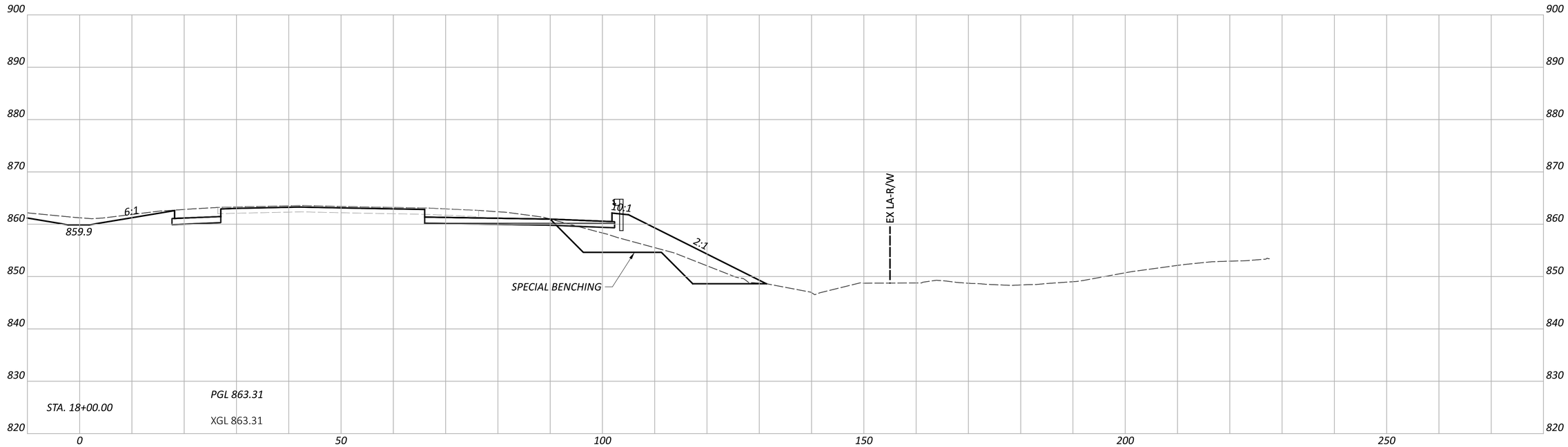
DESIGN AGENCY
STRUCTUREPOINT LLC

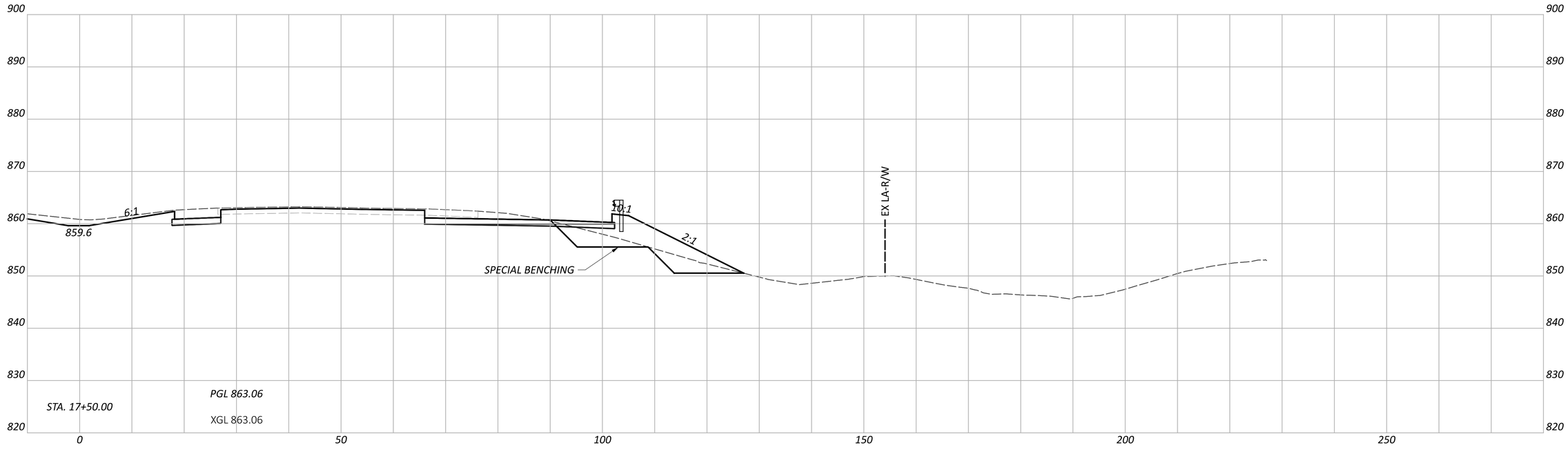
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0426 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 17+50.00 TO STA. 18+00.00

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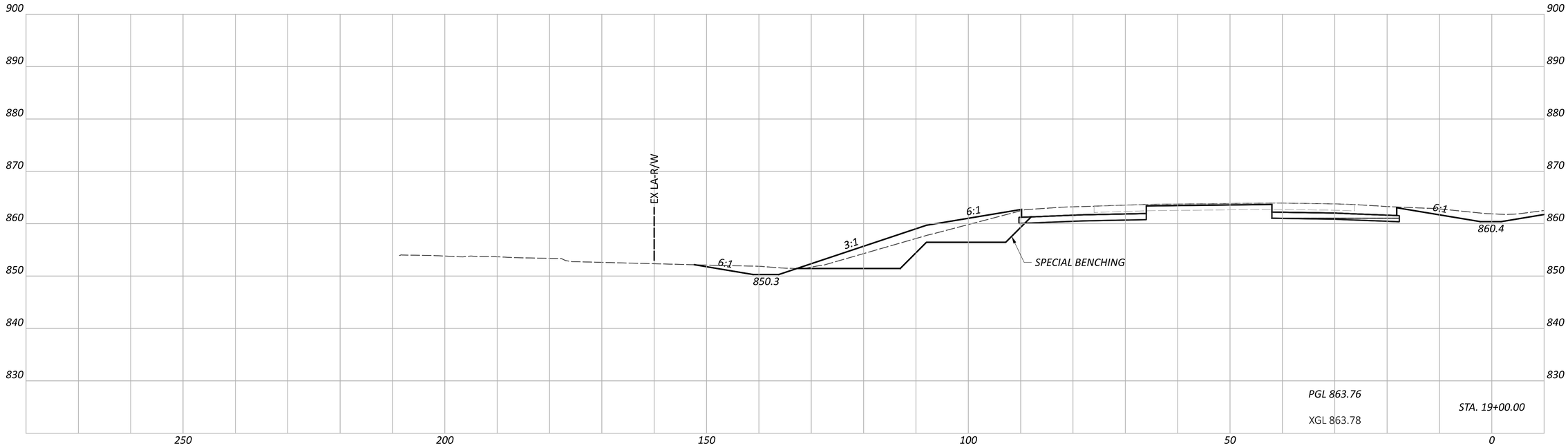
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

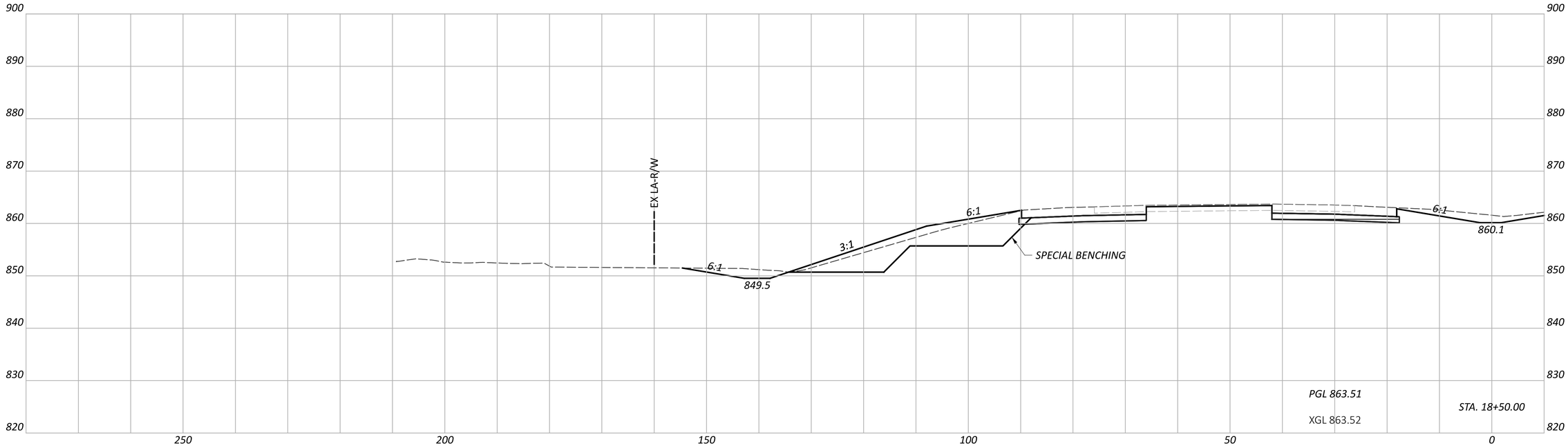
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0427 TOTAL P.1556





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CROSS SECTIONS - IR 70 WB
STA. 18+50.00 TO STA. 19+00.00

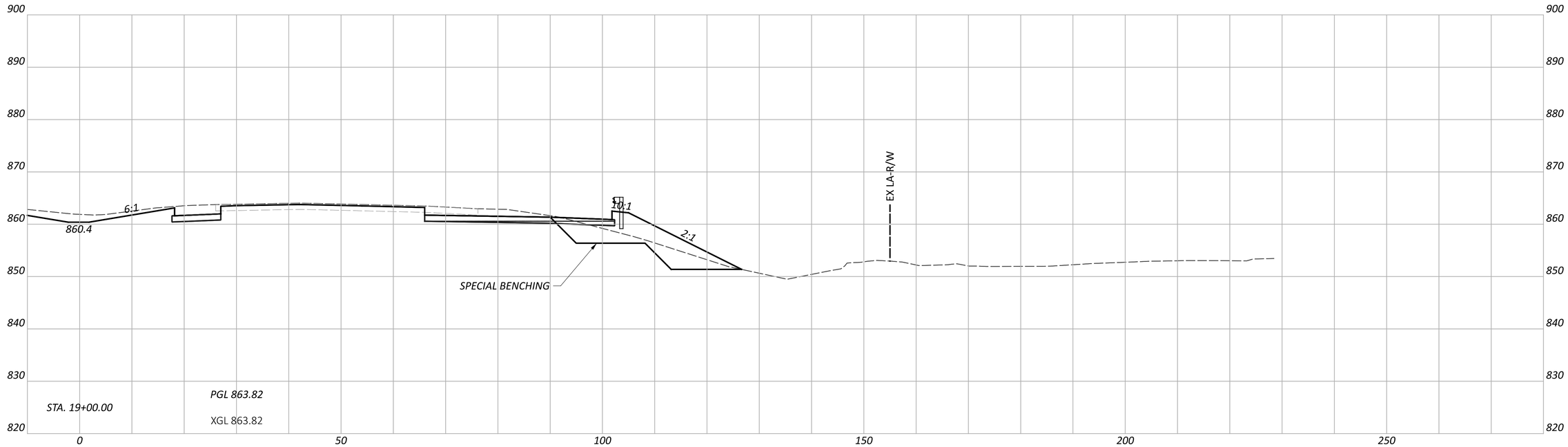
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

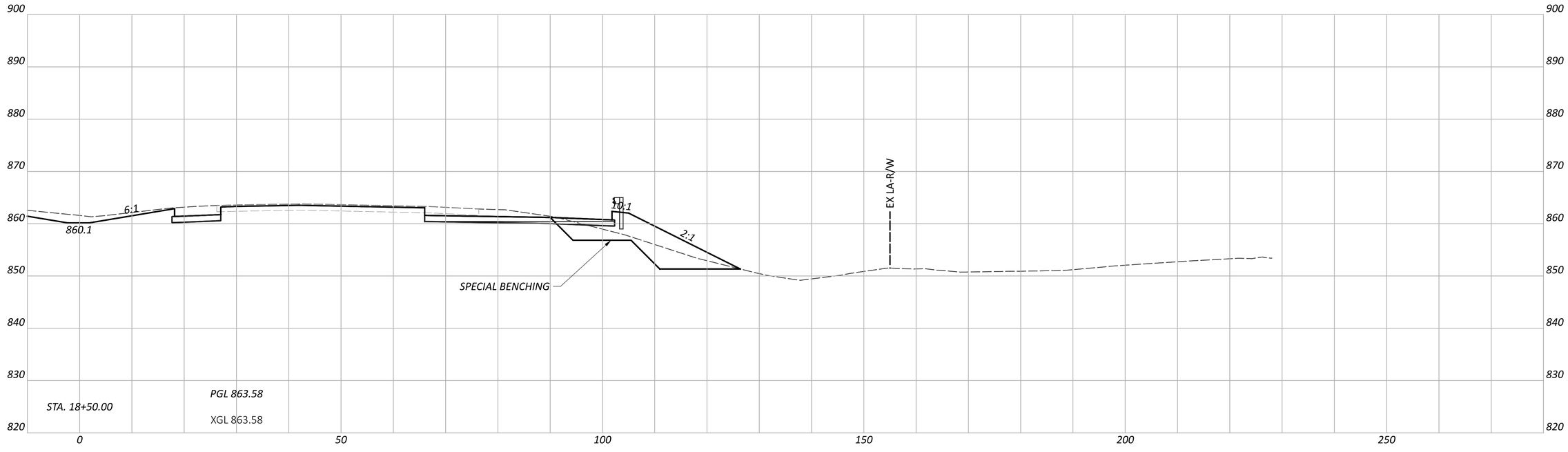
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0428 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 18+50.00 TO STA. 19+00.00

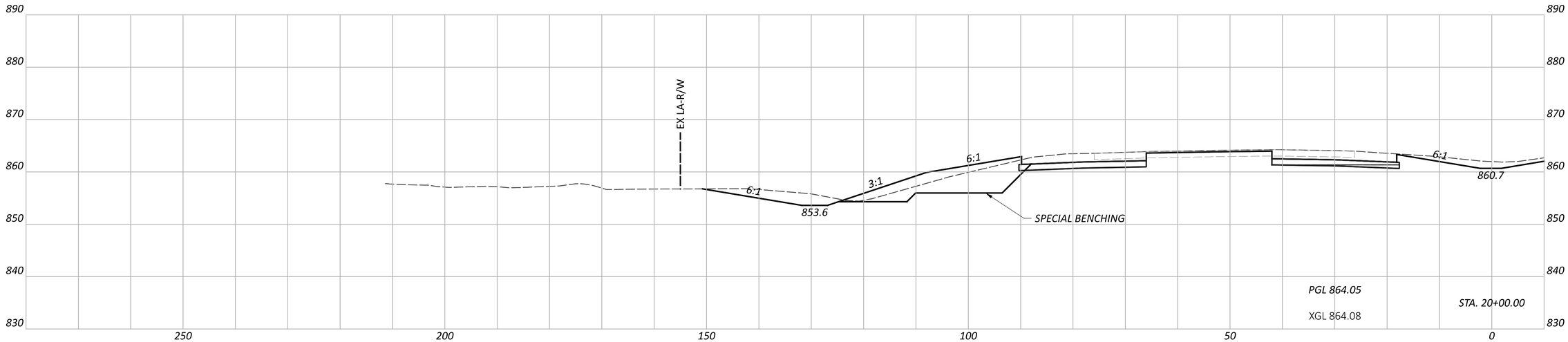
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

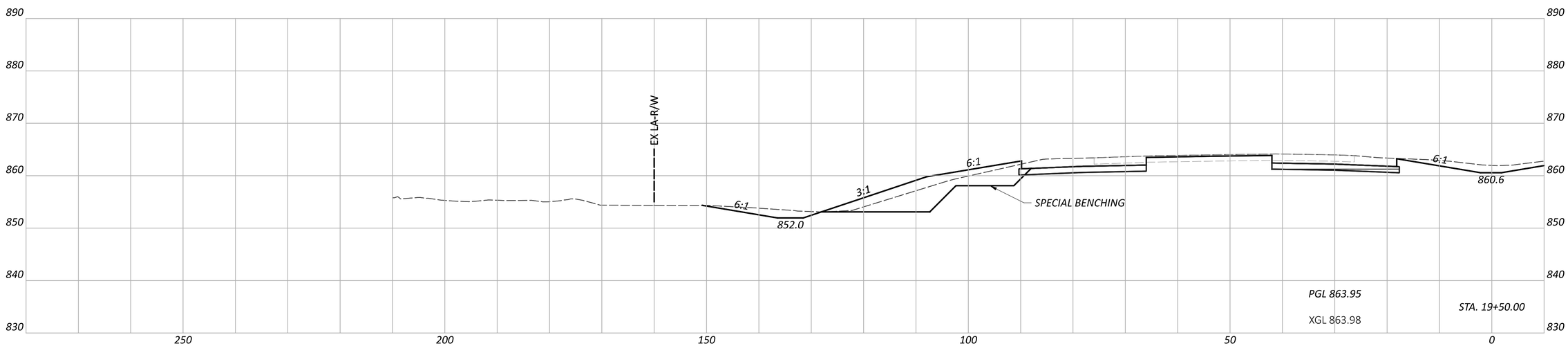
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0429 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 19+50.00 TO STA. 20+00.00

FAI/LIC-IR 70-0.00/0.00

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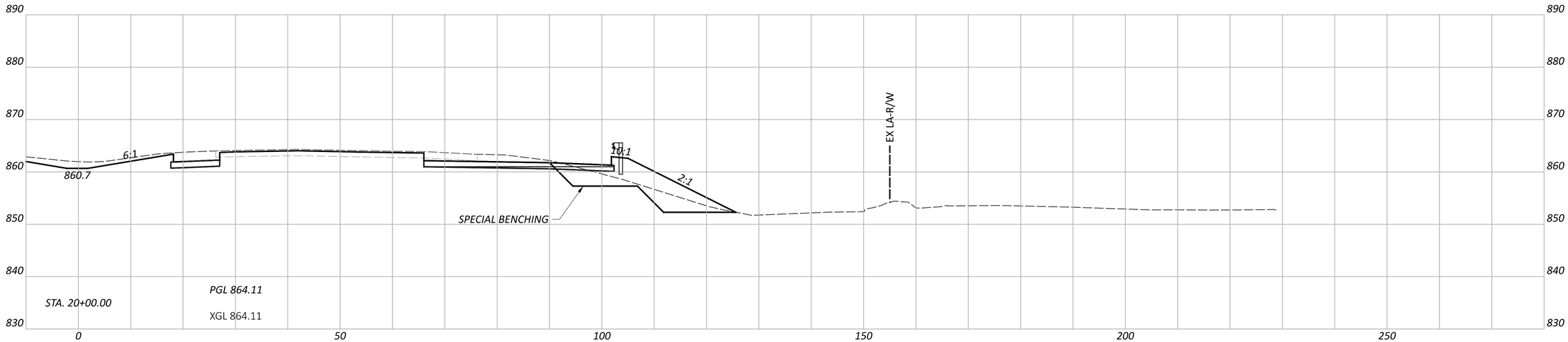
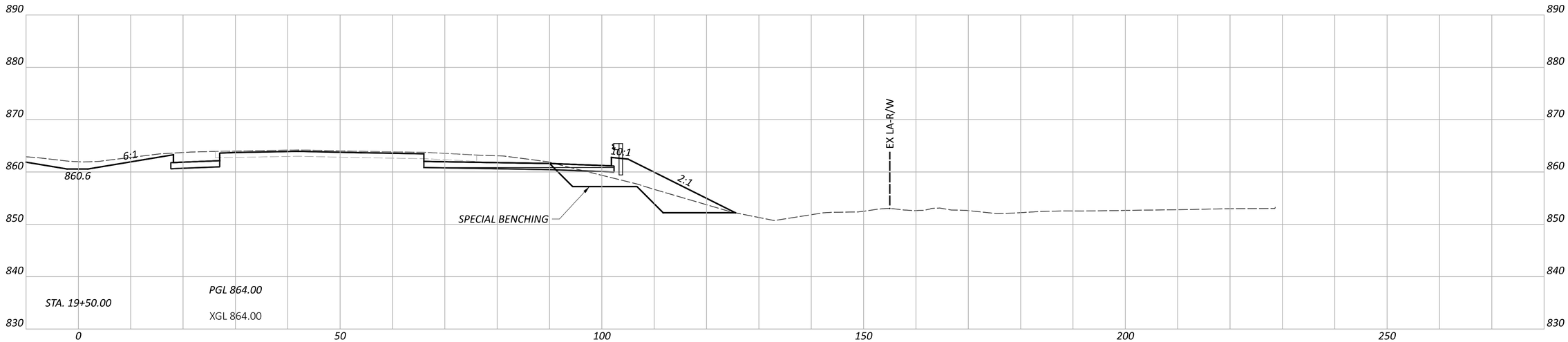
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0430
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 19+50.00 TO STA. 20+00.00

FAI/LIC-IR 70-0.00/0.00

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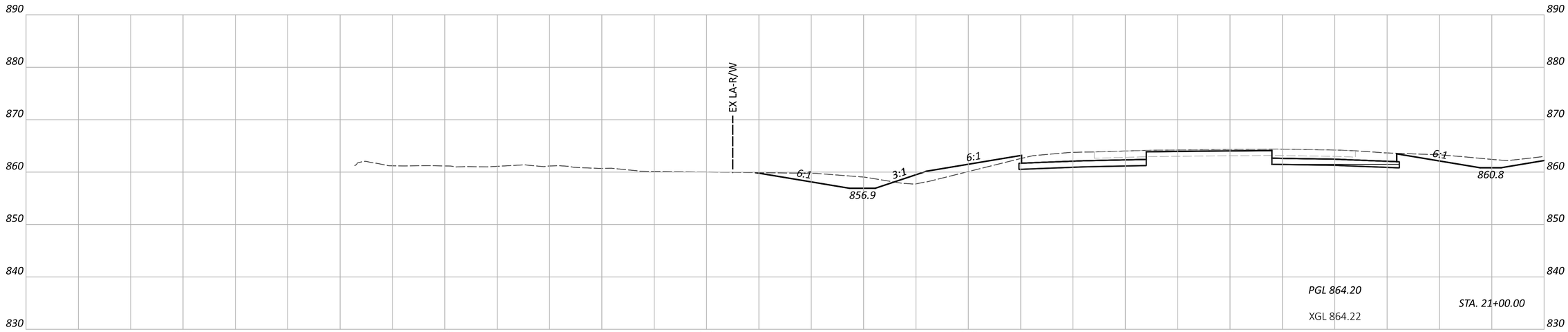
DESIGN AGENCY
STRUCTUREPOINT LLC

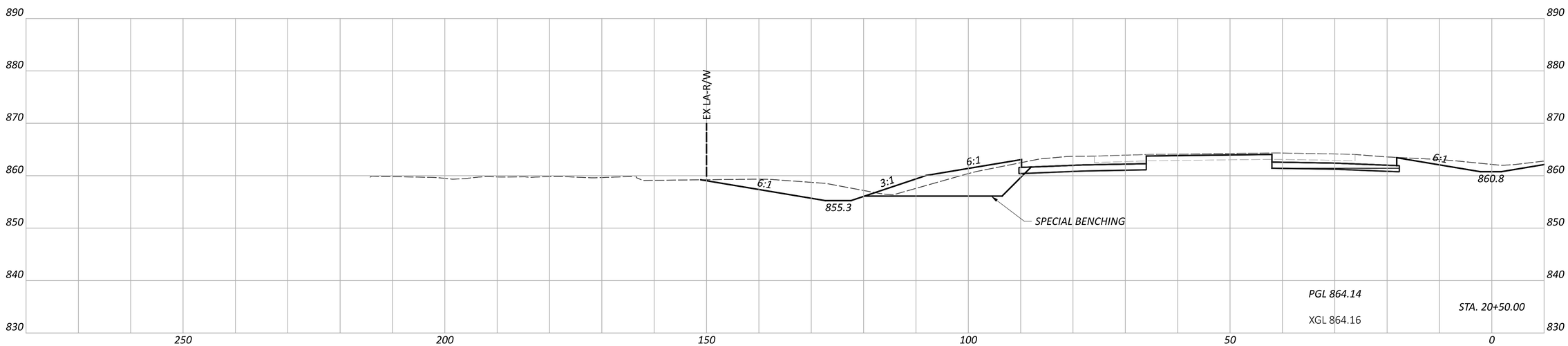
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0431 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
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FAI/LIC-IR 70-0.00/0.00

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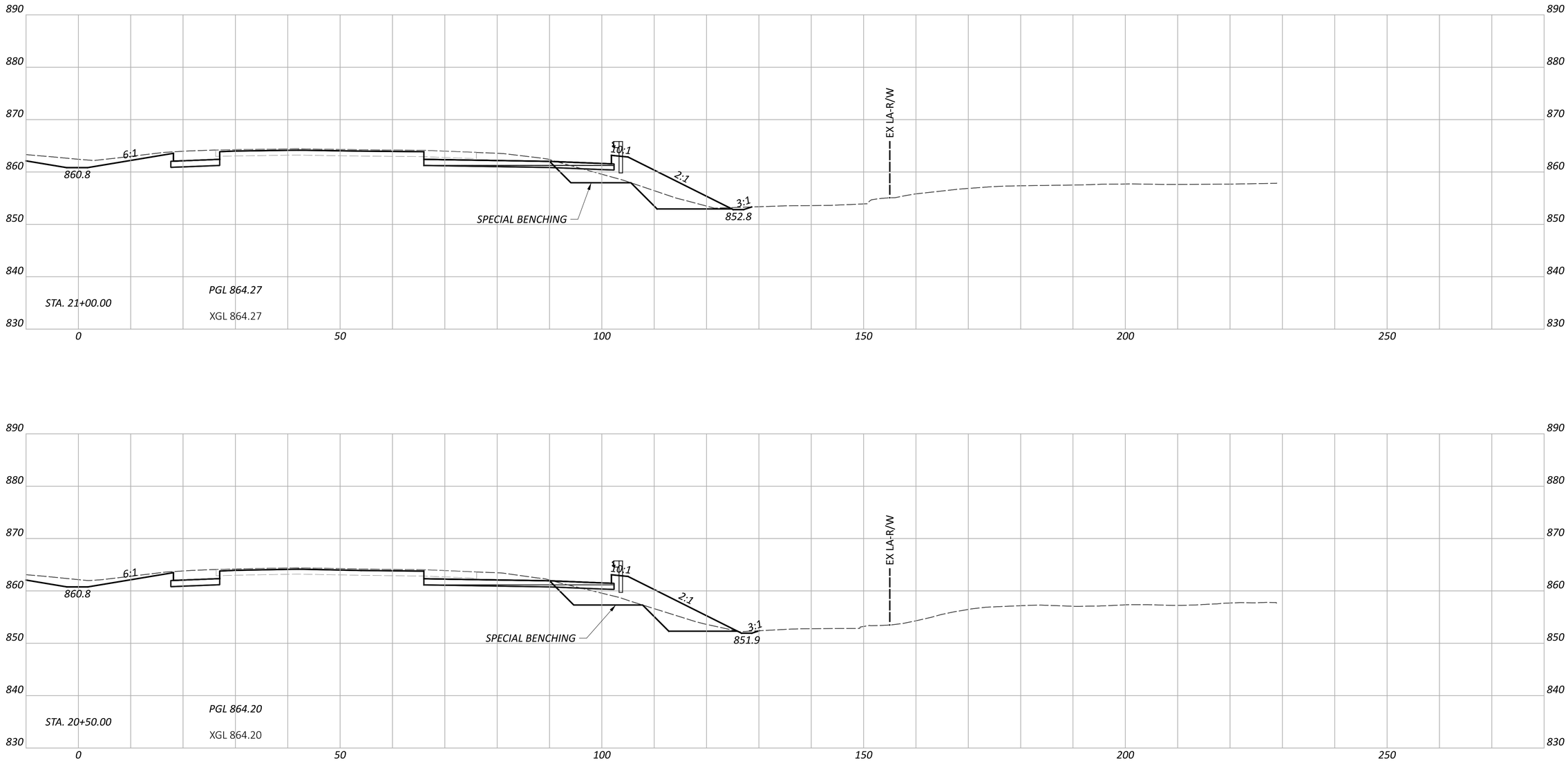
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0432
TOTAL	P.1556



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CROSS SECTIONS - IR 70 EB
STA. 20+50.00 TO STA. 21+00.00

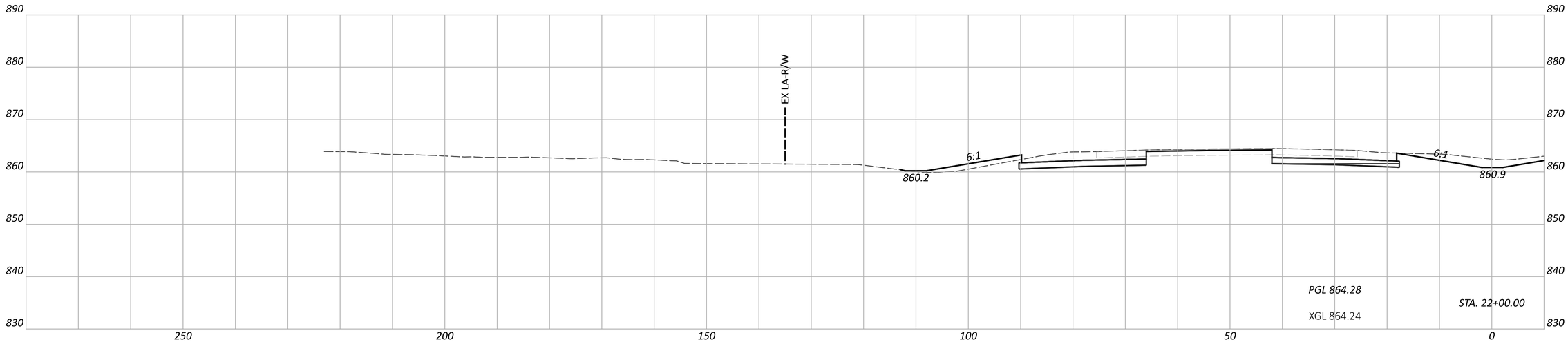
DESIGN AGENCY
STRUCTUREPOINT LLC

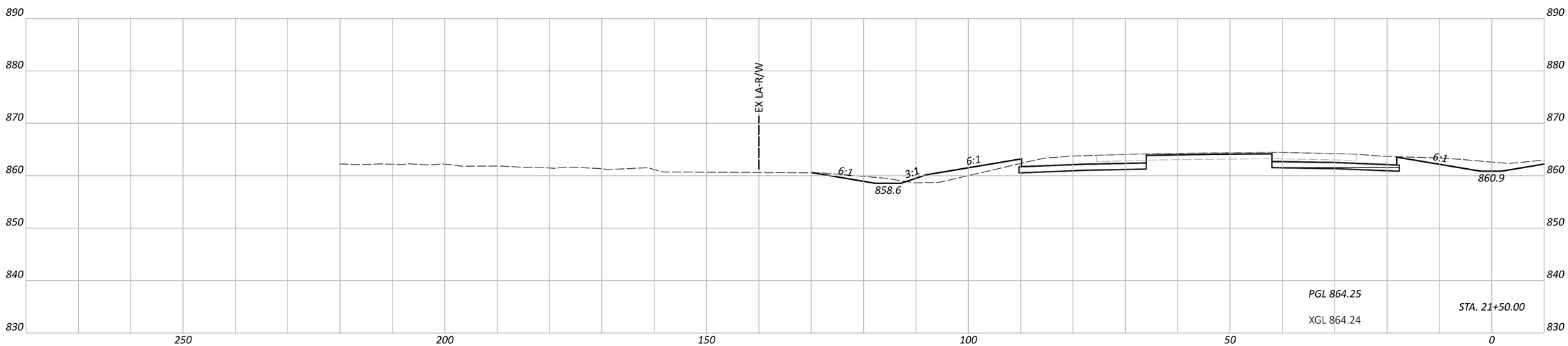
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0433 | TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 21+50.00 TO STA. 22+00.00

FAI/LIC-IR 70-0.00/0.00

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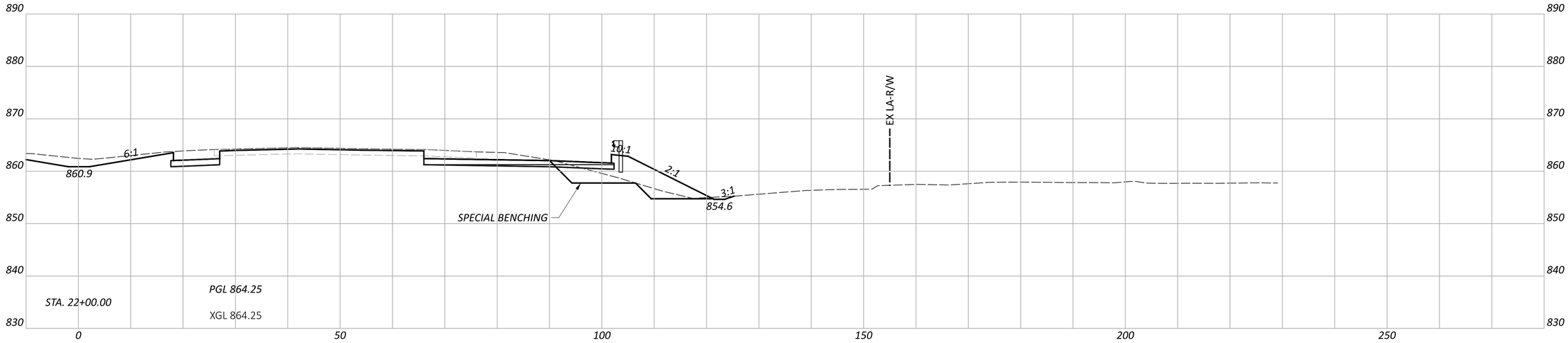
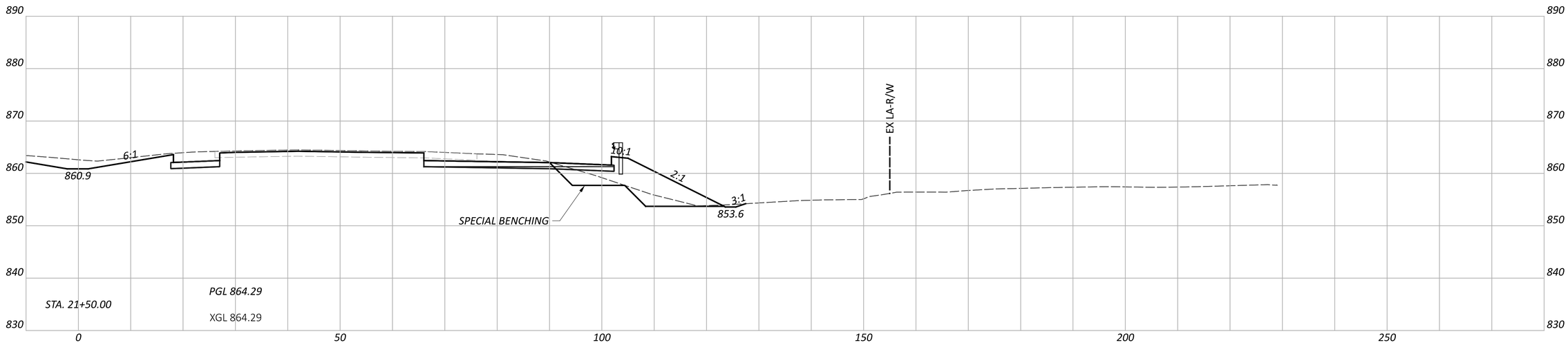
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0434
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

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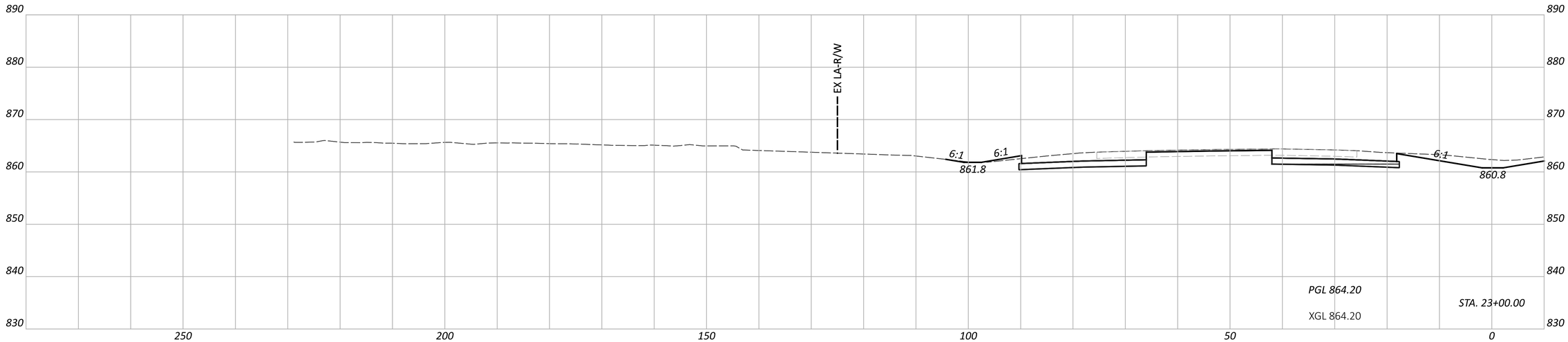
DESIGN AGENCY
STRUCTUREPOINT INC.

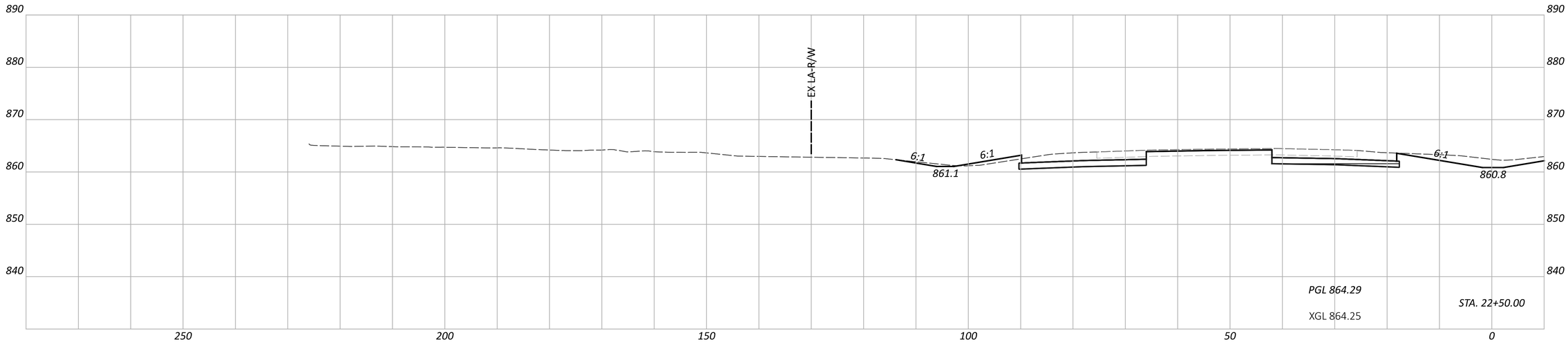
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0435 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 22+50.00 TO STA. 23+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 22+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:37:43 AM USER: brieder
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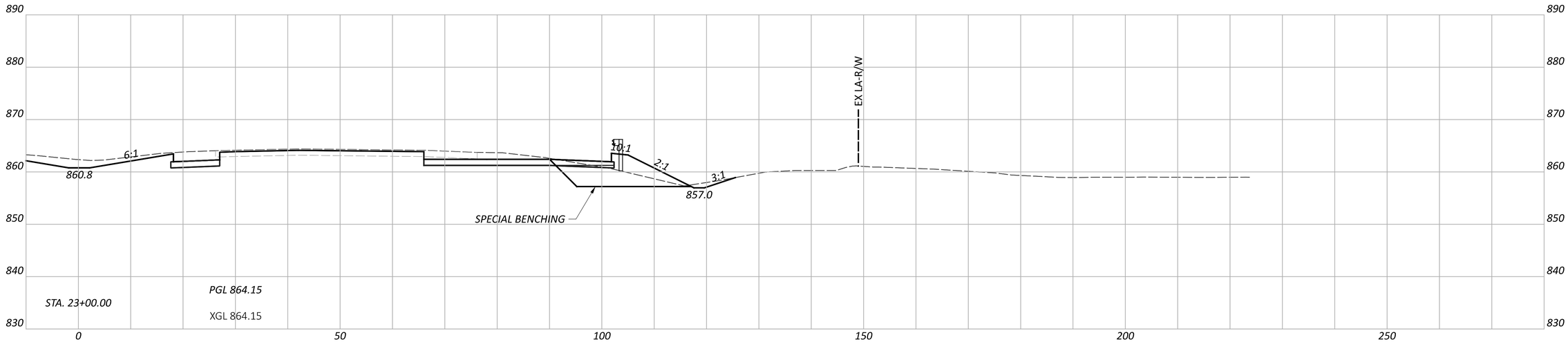
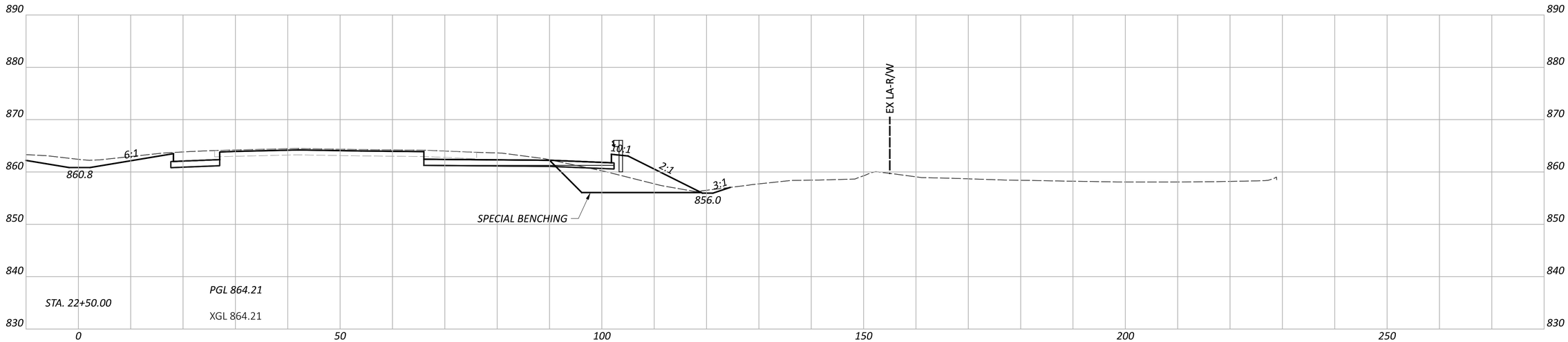
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0436
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 22+50.00 TO STA. 23+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 22+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:37:46 AM USER: brieder
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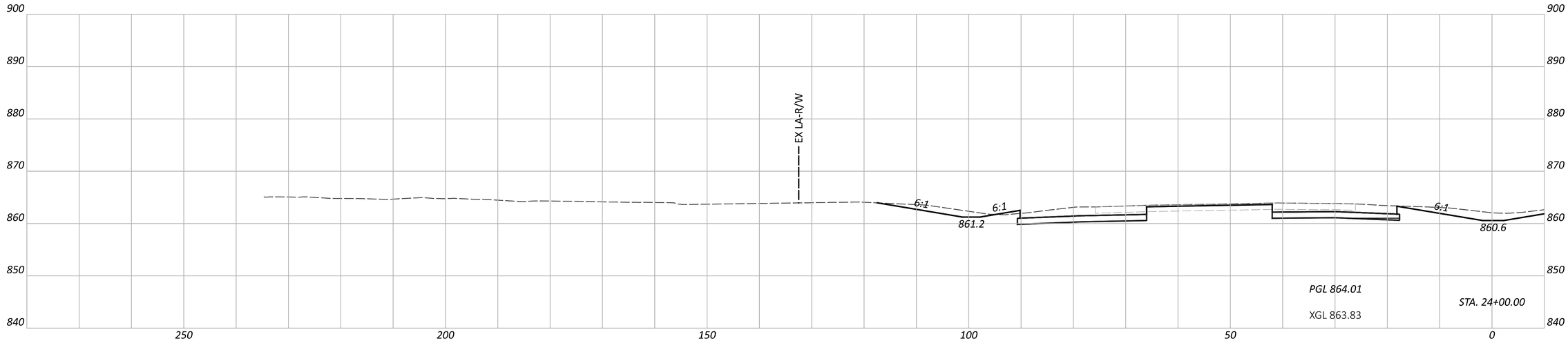
DESIGN AGENCY
STRUCTUREPOINT INC.

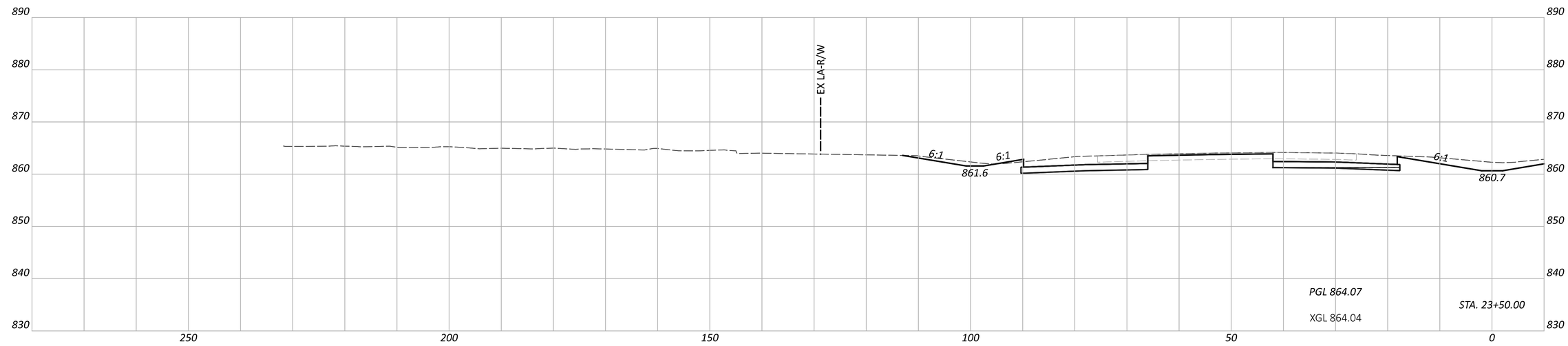
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0437 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 23+50.00 TO STA. 24+00.00

FAI/LIC-IR 70-0.00/0.00

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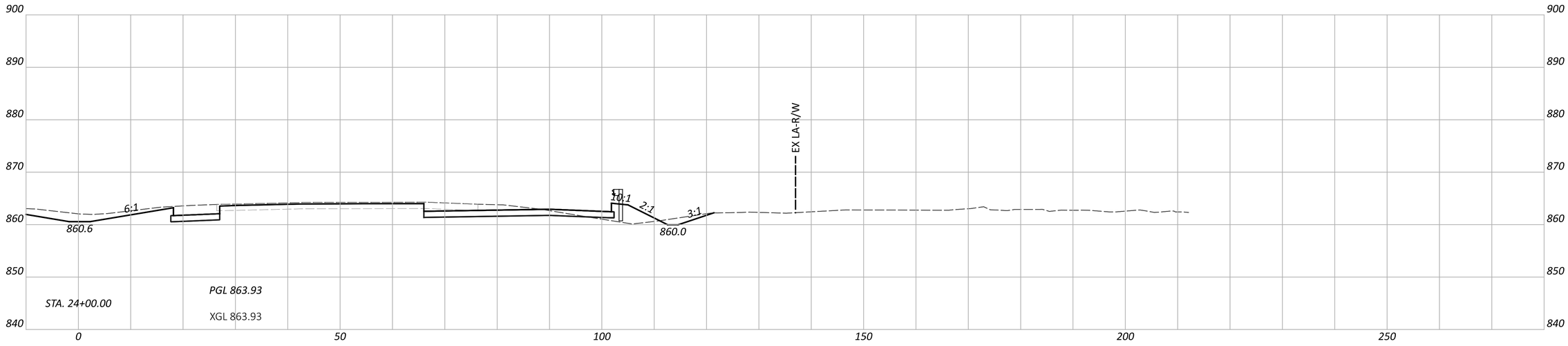
DESIGN AGENCY
STRUCTUREPOINT INC.

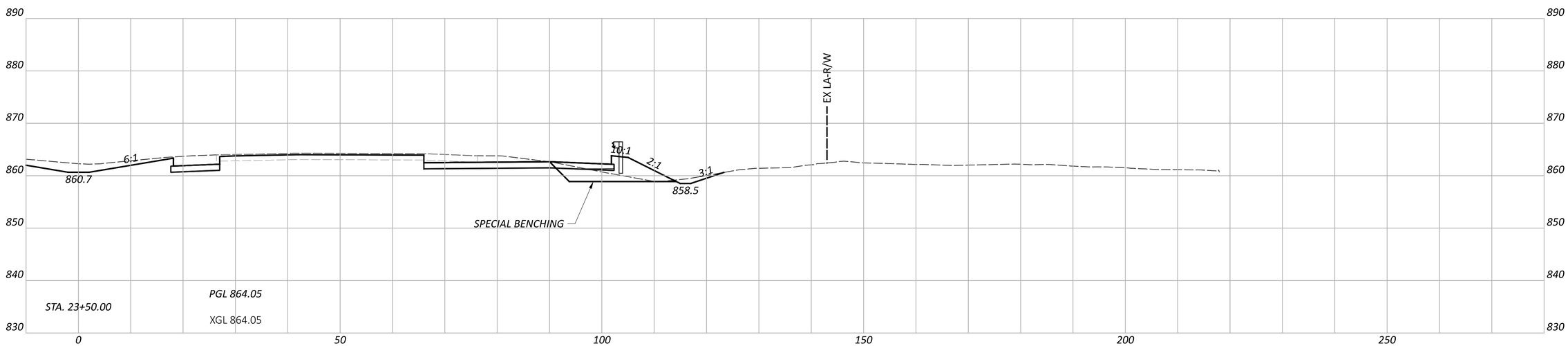
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0438 | TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 23+50.00 TO STA. 24+00.00

FAI/LIC-IR 70-0.00/0.00

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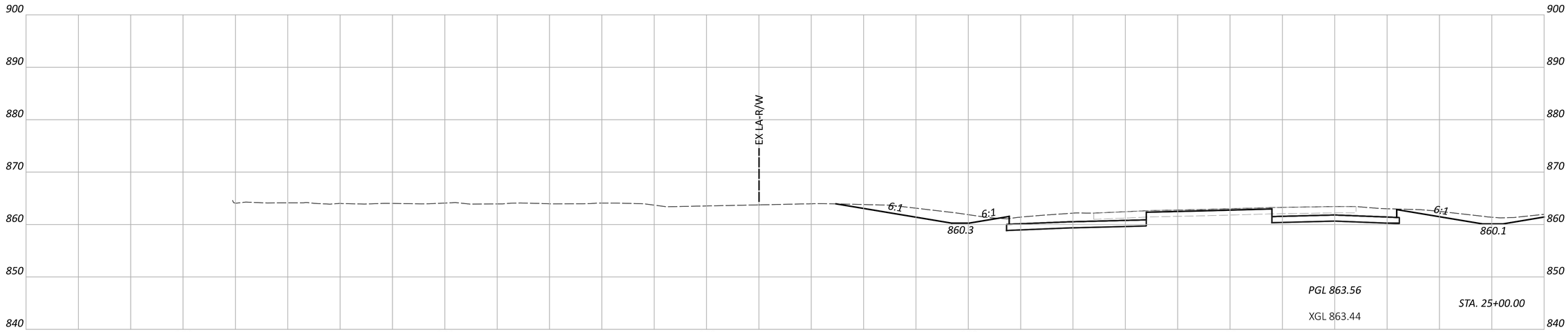
DESIGN AGENCY
STRUCTUREPOINT LLC

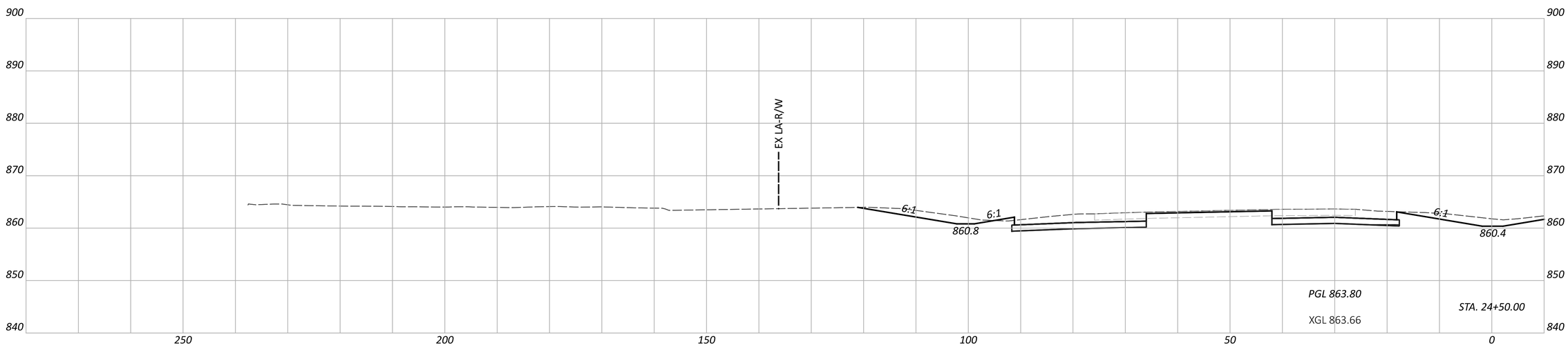
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0439 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 24+50.00 TO STA. 25+00.00

FAI/LIC-IR 70-0.00/0.00

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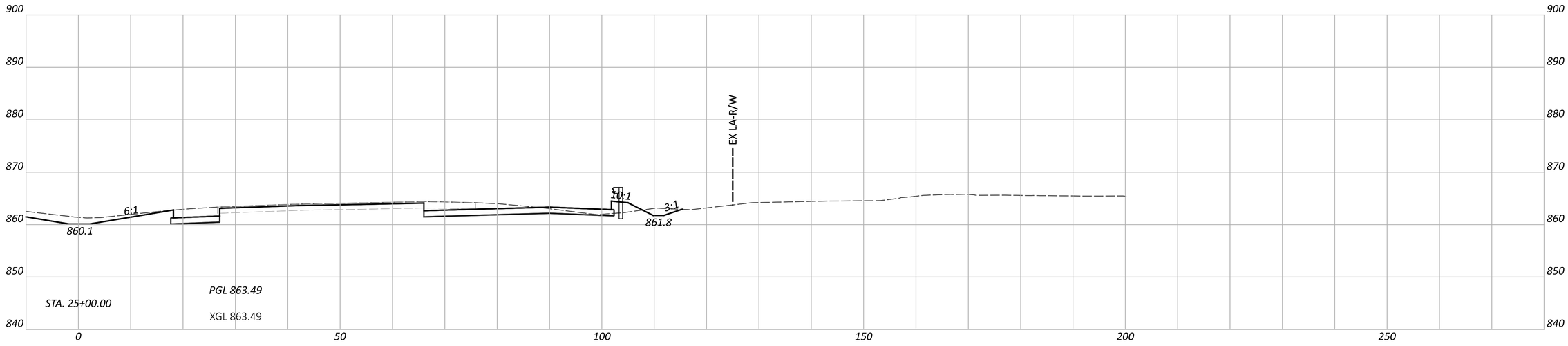
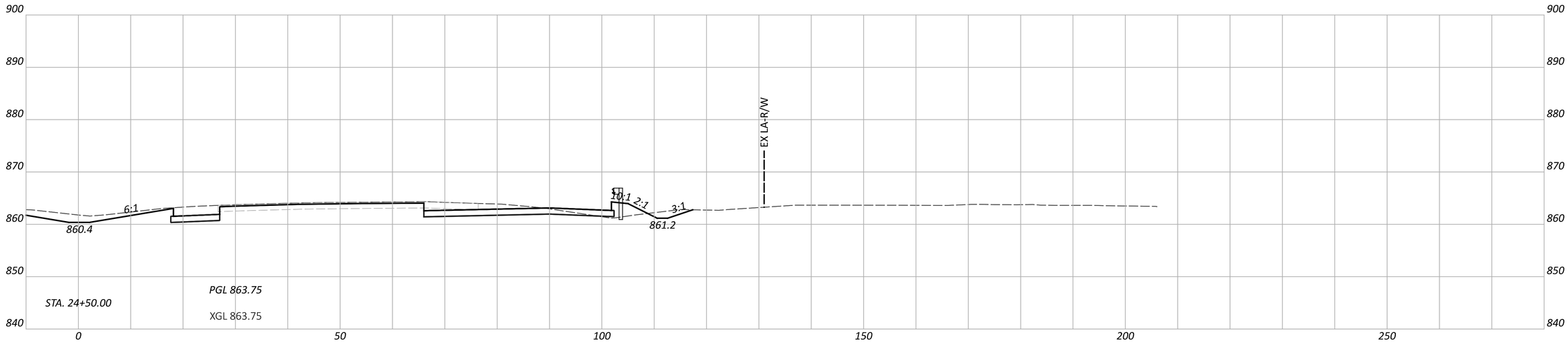
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0440
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 24+50.00 TO STA. 25+00.00

FAI/LIC-IR 70-0.00/0.00

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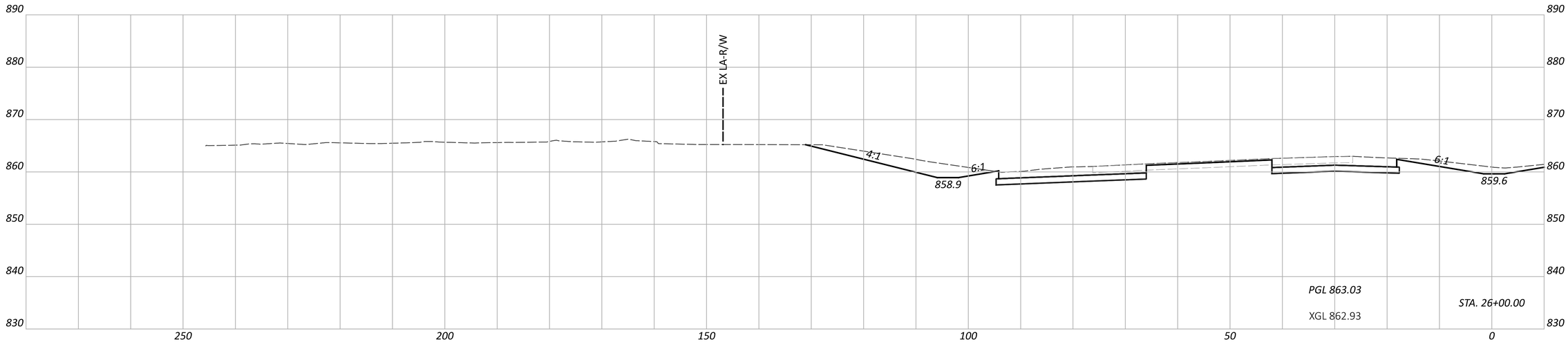
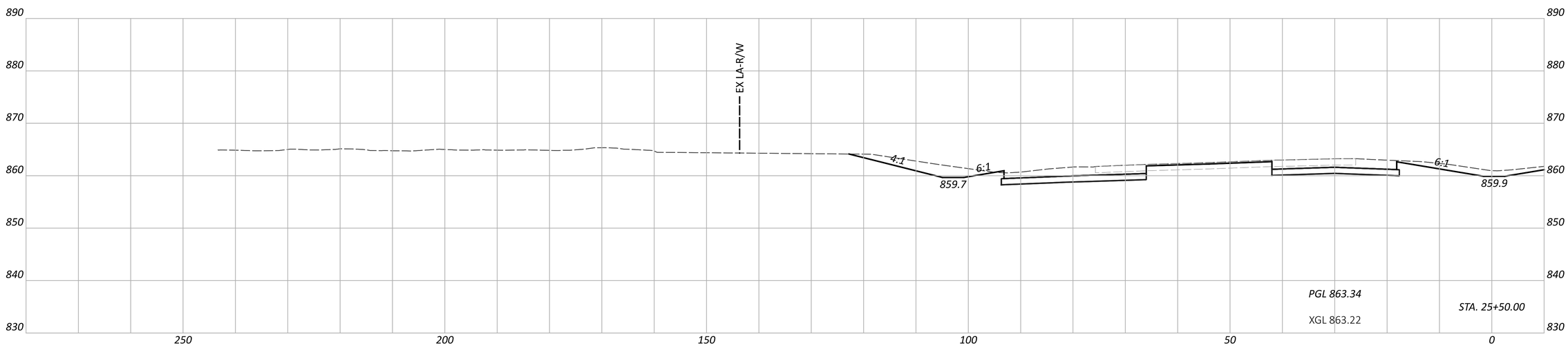
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0441
TOTAL	P.1556





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STA. 25+50.00 TO STA. 26+00.00

FAI/LIC-IR 70-0.00/0.00

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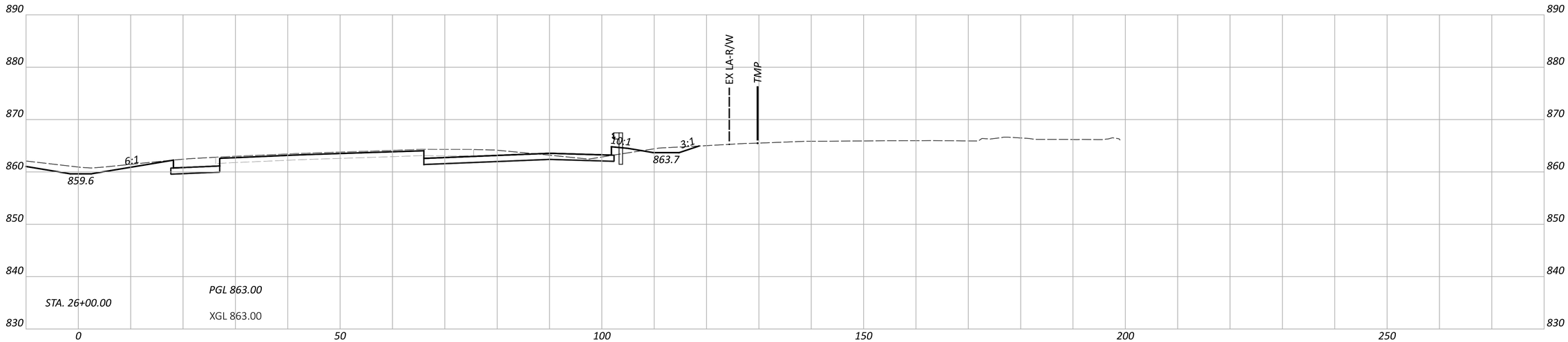
DESIGN AGENCY
STRUCTUREPOINT LLC

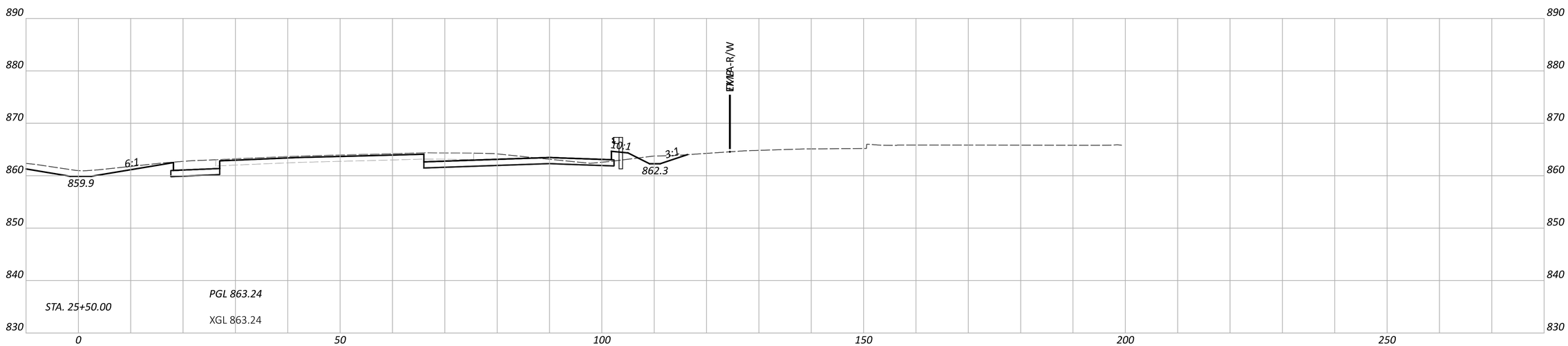
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0442	P.1556





CROSS SECTIONS - IR 70 EB
STA. 25+50.00 TO STA. 26+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0443 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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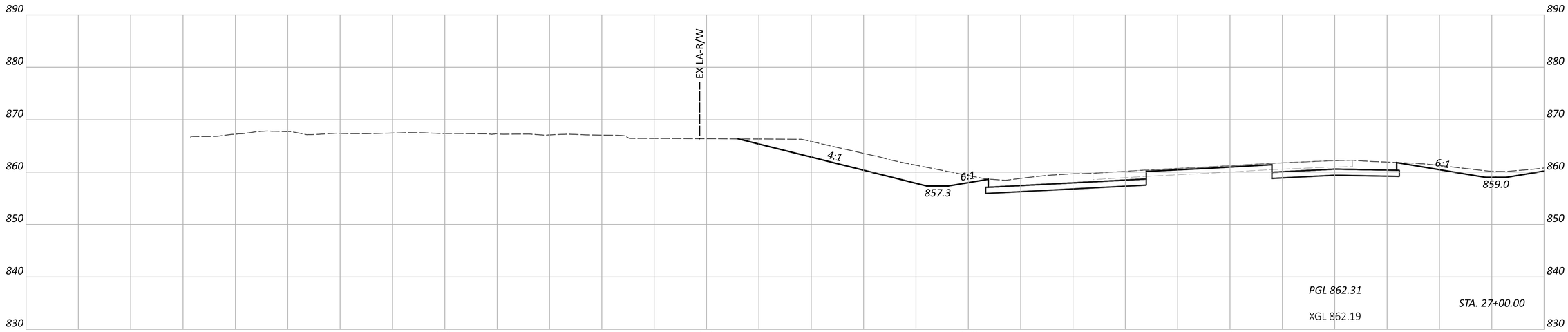

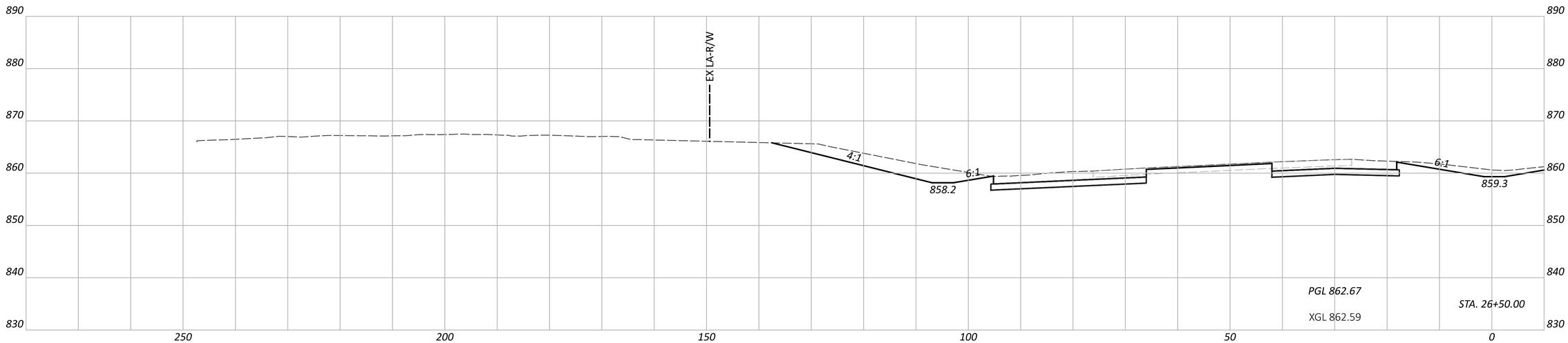

CROSS SECTIONS - IR 70 WB
STA. 26+50.00 TO STA. 27+00.00

FAI/LIC-IR 70-0.00/0.00

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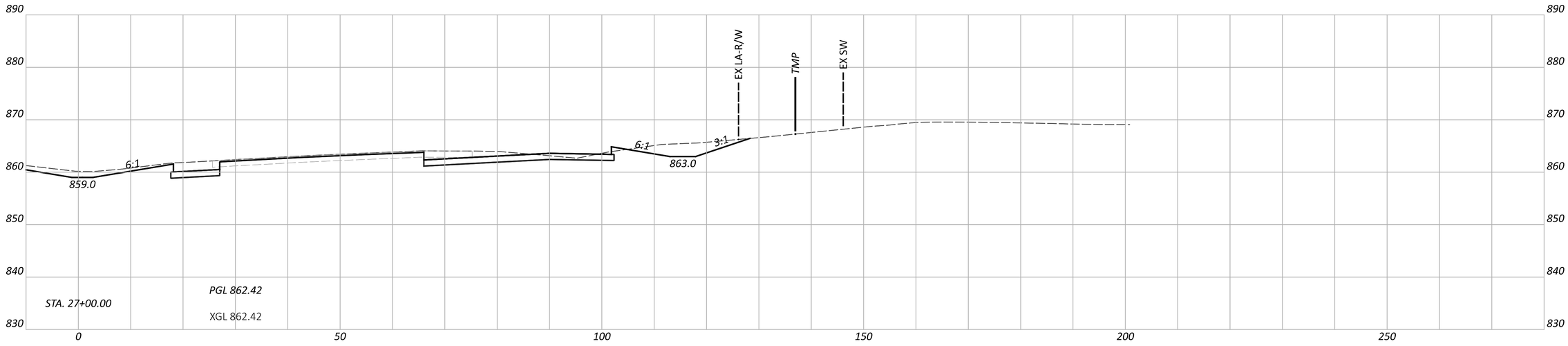
DESIGN AGENCY
STRUCTUREPOINT LLC

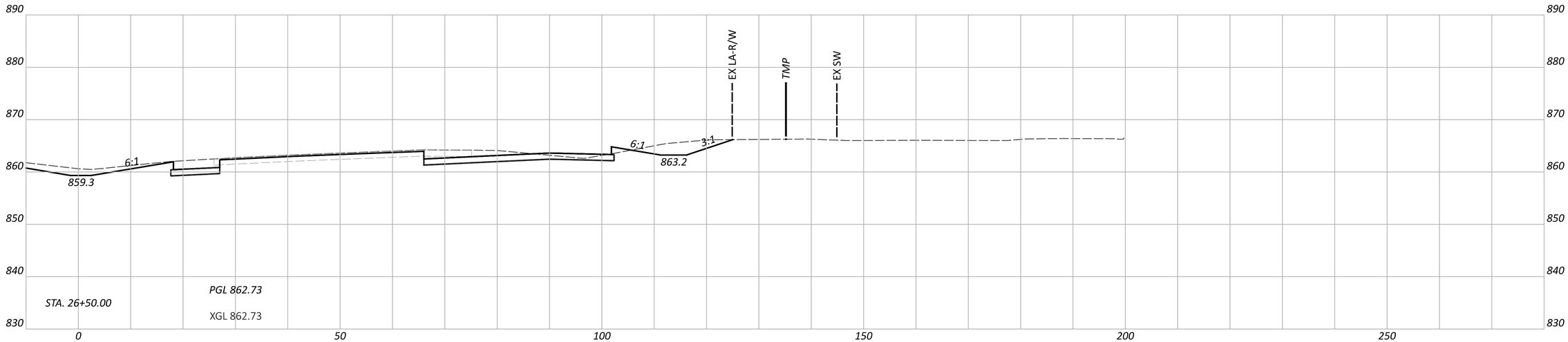
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0444 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 26+50.00 TO STA. 27+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 26+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:38:09 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0445 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 27+50.00 TO STA. 28+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 27+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:38:12 AM USER: brieder
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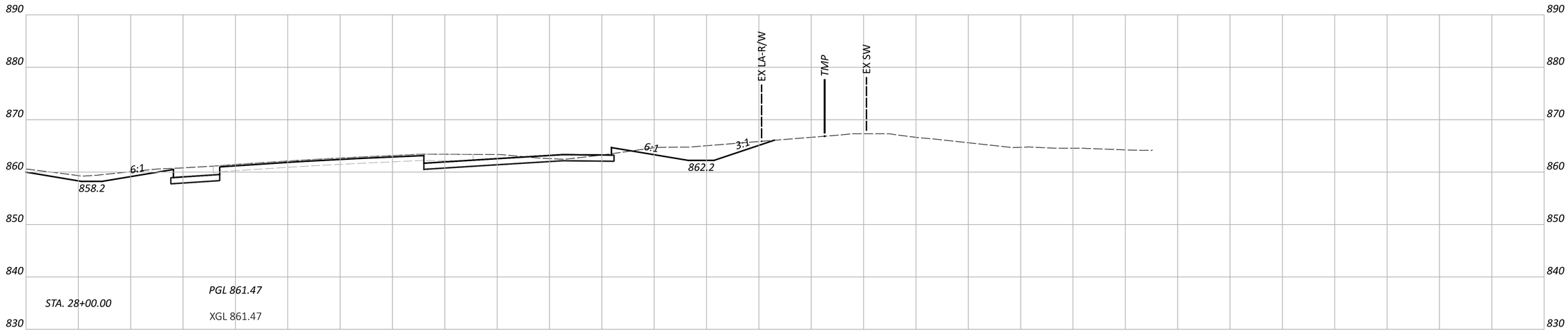
DESIGN AGENCY
STRUCTUREPOINT INC.

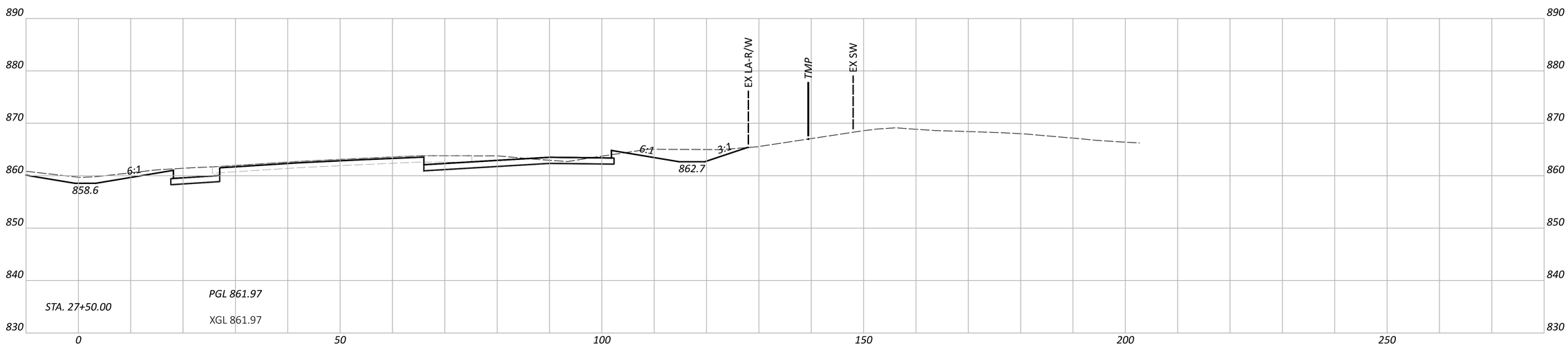
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0446	P.1556





CROSS SECTIONS - IR 70 EB
STA. 27+50.00 TO STA. 28+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 27+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:38:15 AM USER: brieder
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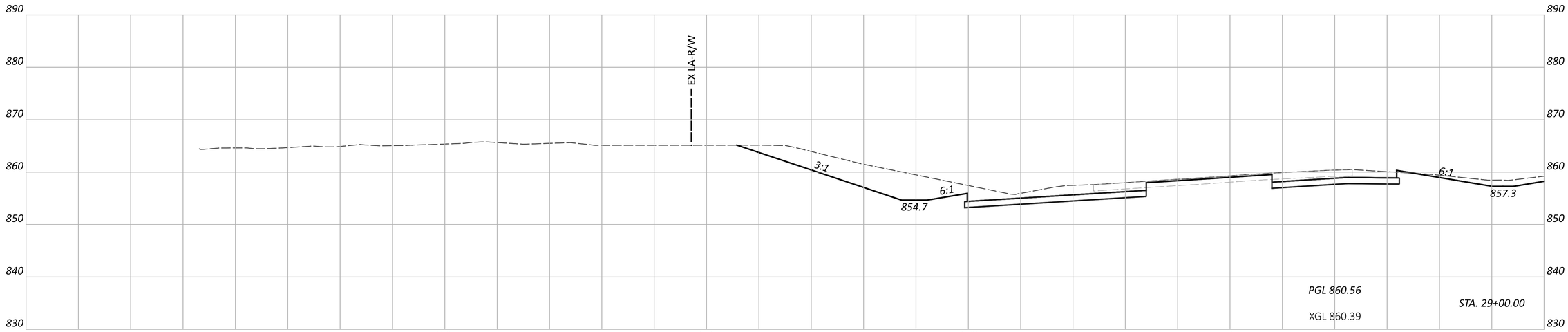
DESIGN AGENCY
STRUCTUREPOINT LLC

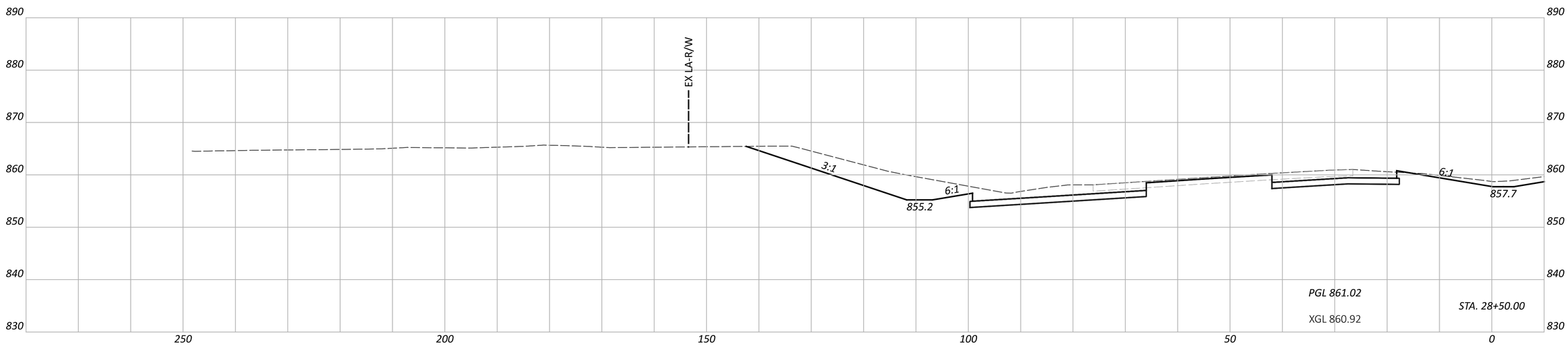
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0447 TOTAL P.1556





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STA. 28+50.00 TO STA. 29+00.00

FAI/LIC-IR 70-0.00/0.00

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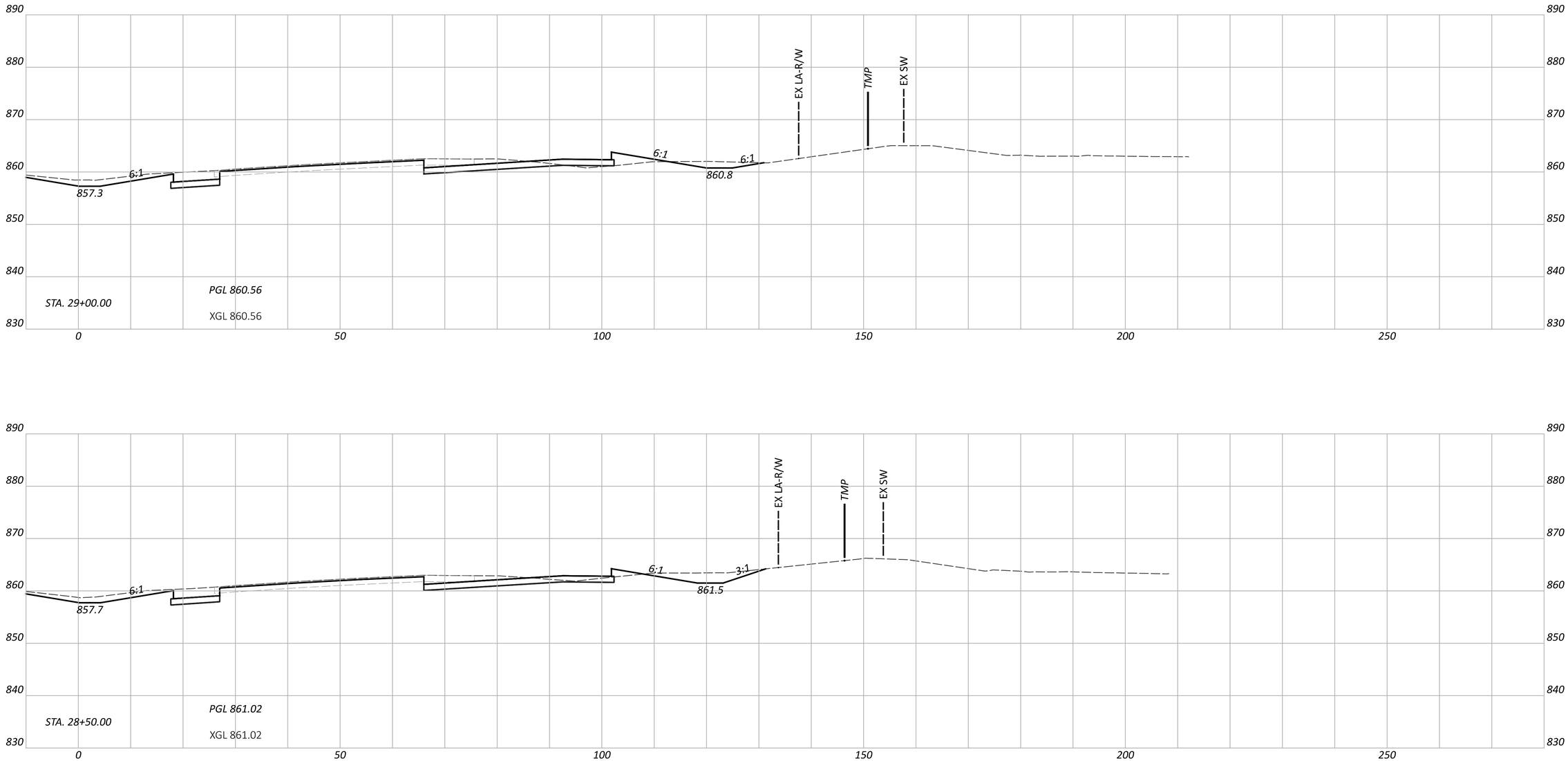
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0448	P.1556



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CROSS SECTIONS - IR 70 EB
STA. 28+50.00 TO STA. 29+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0449 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 29+50.00 TO STA. 30+00.00

FAI/LIC-IR 70-0.00/0.00

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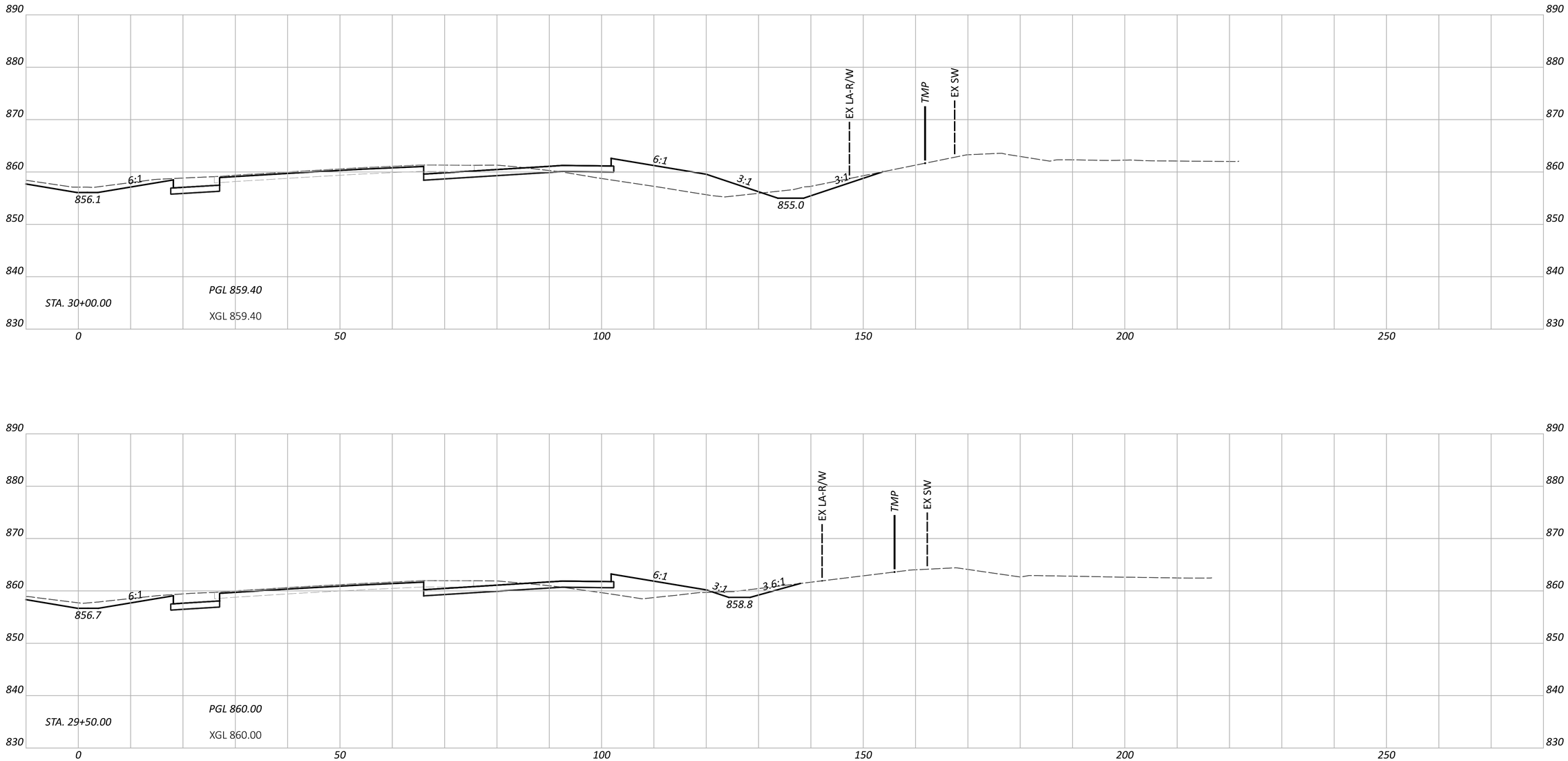
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0450 TOTAL P.1556



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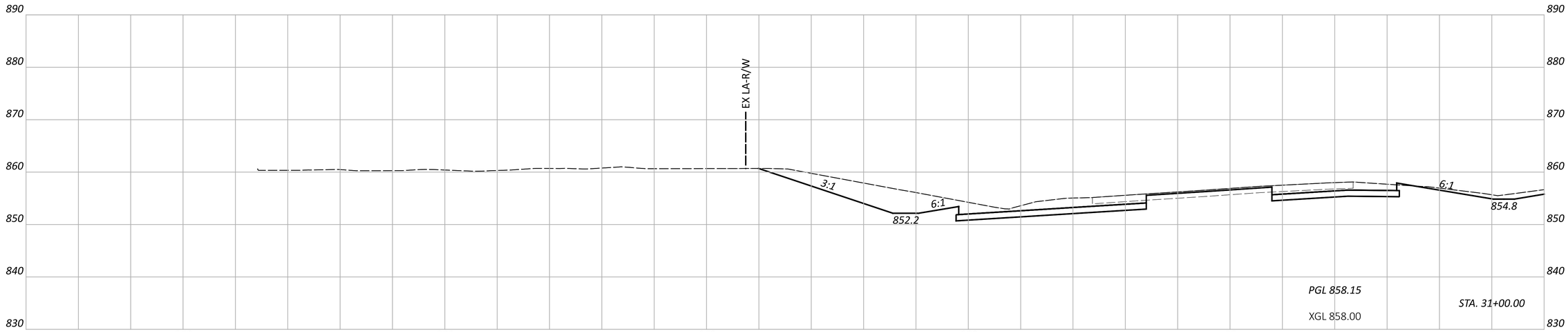
DESIGN AGENCY
STRUCTUREPOINT LLC

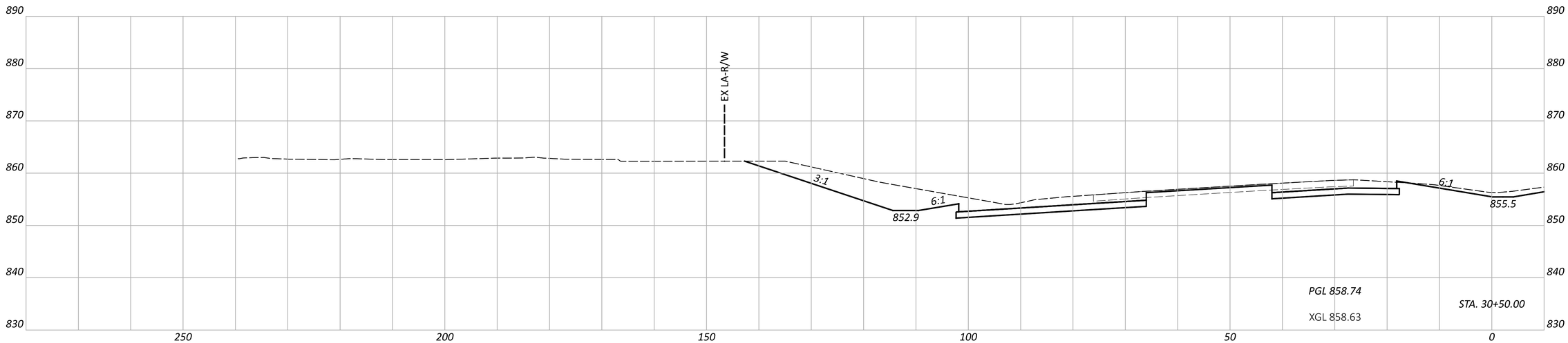
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0451 TOTAL P.1556





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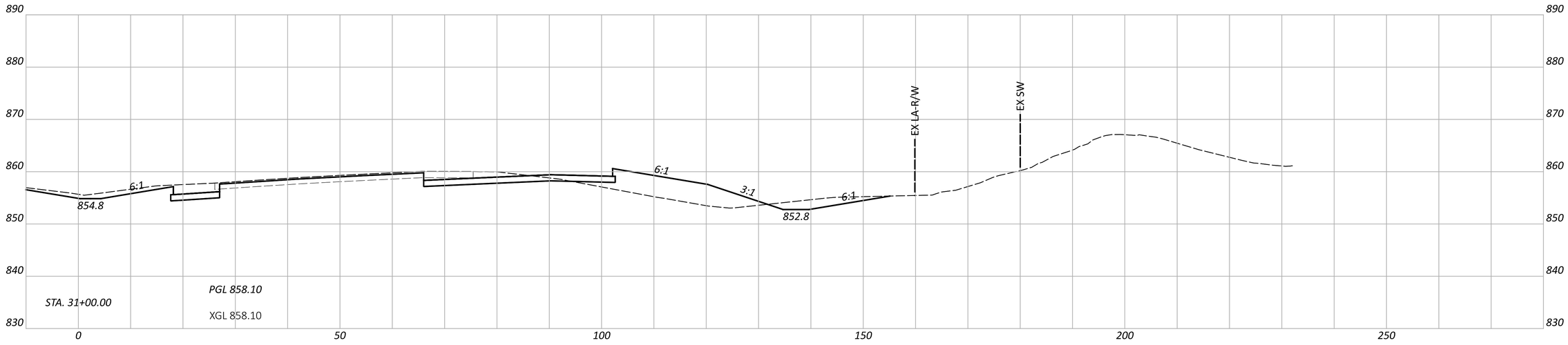
DESIGN AGENCY
STRUCTUREPOINT LLC

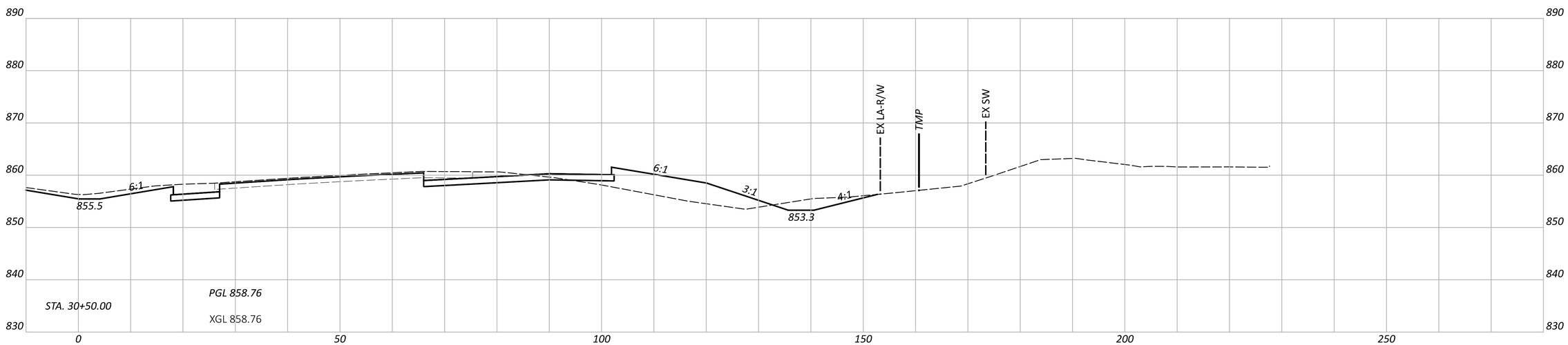
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0452 TOTAL P.1556





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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0453 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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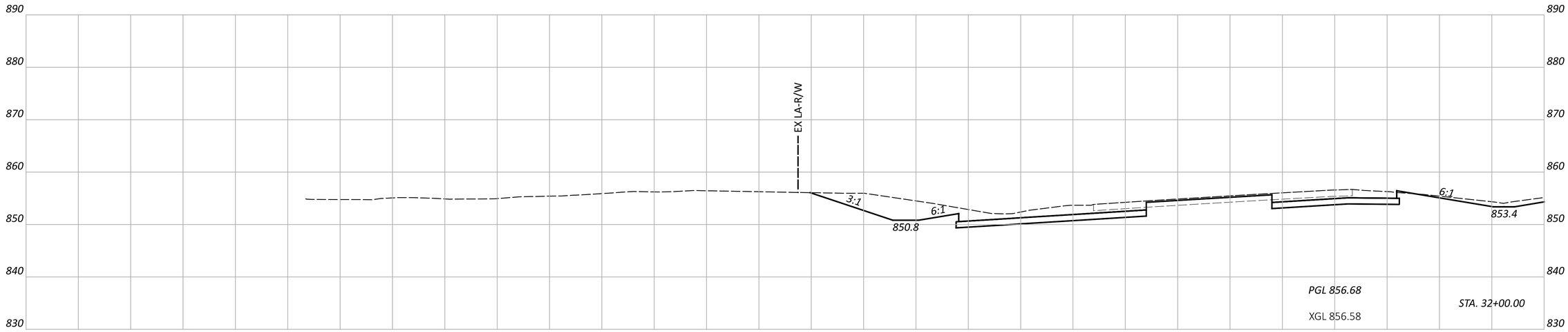

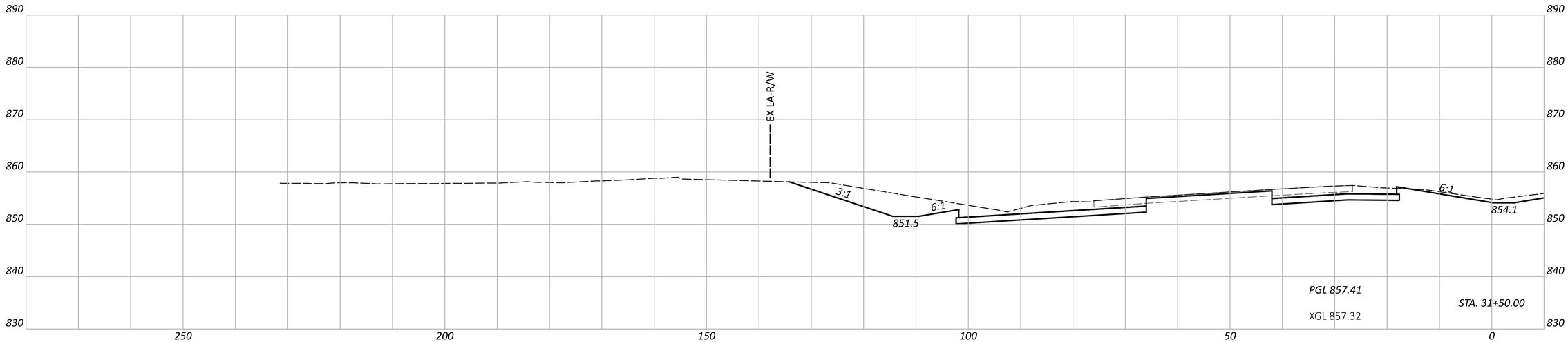

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FAI/LIC-IR 70-0.00/0.00

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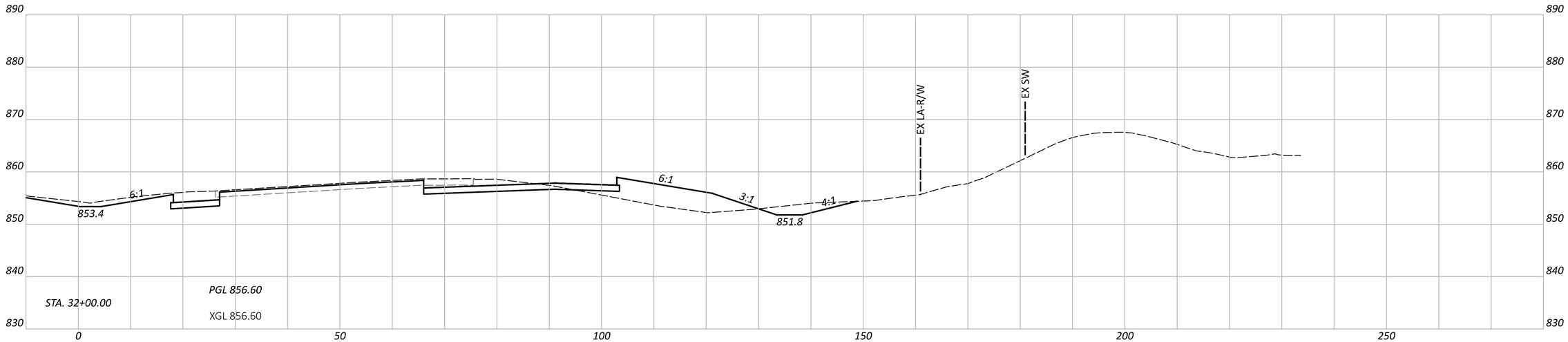
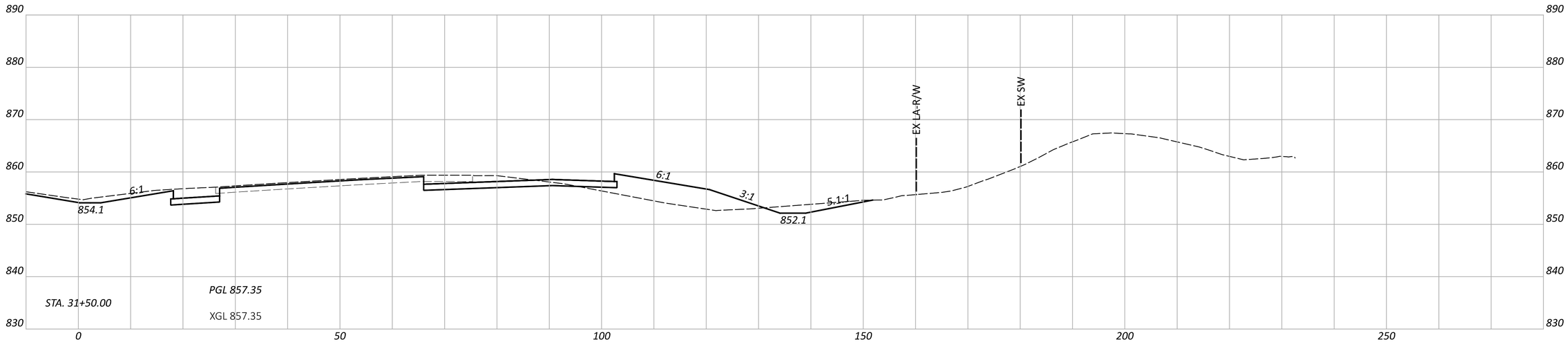
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0454
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 31+50.00 TO STA. 32+00.00

DESIGN AGENCY
KOKOSING STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0455 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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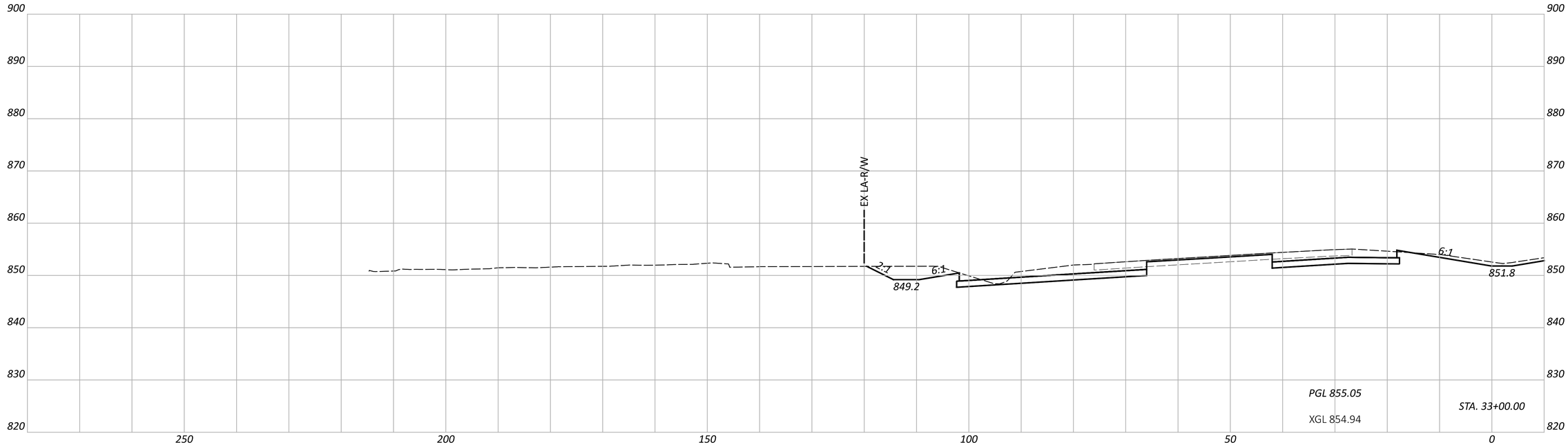

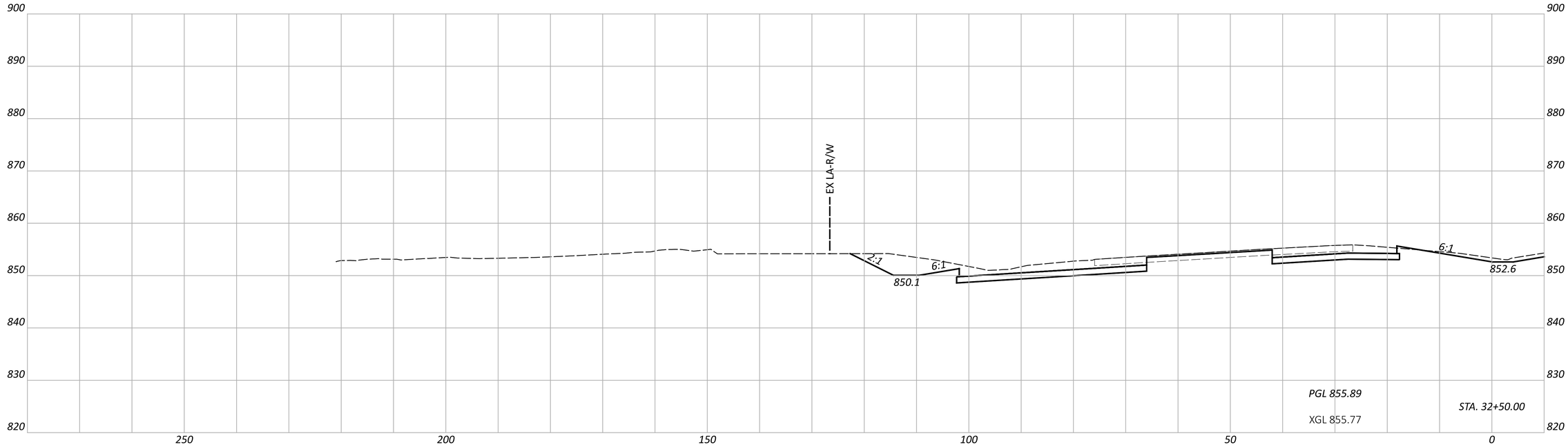

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CROSS SECTIONS - IR 70 WB
STA. 32+50.00 TO STA. 33+00.00

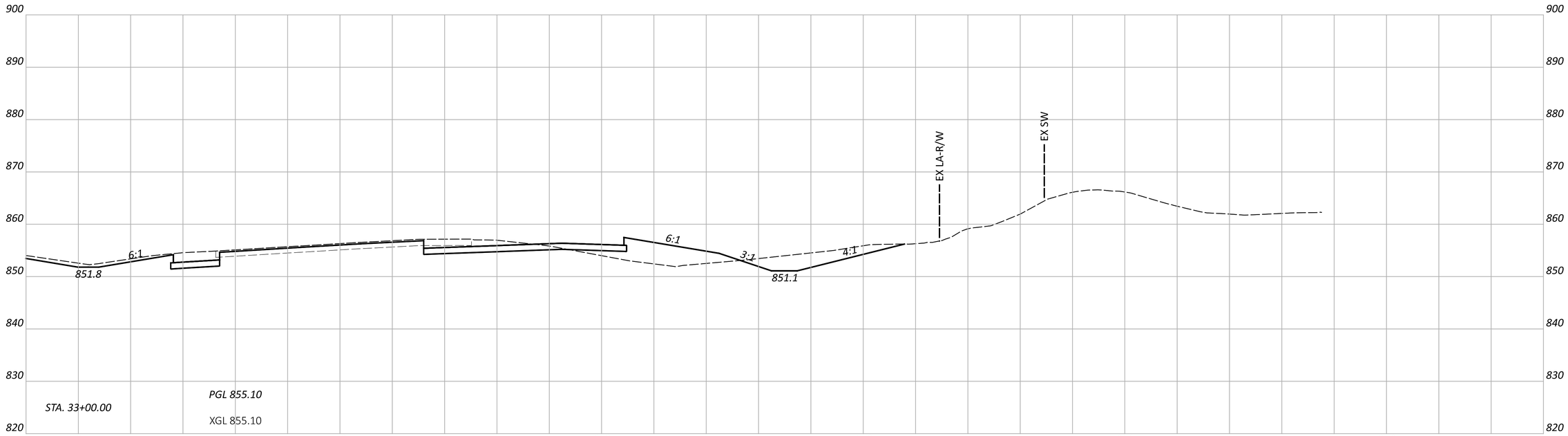
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

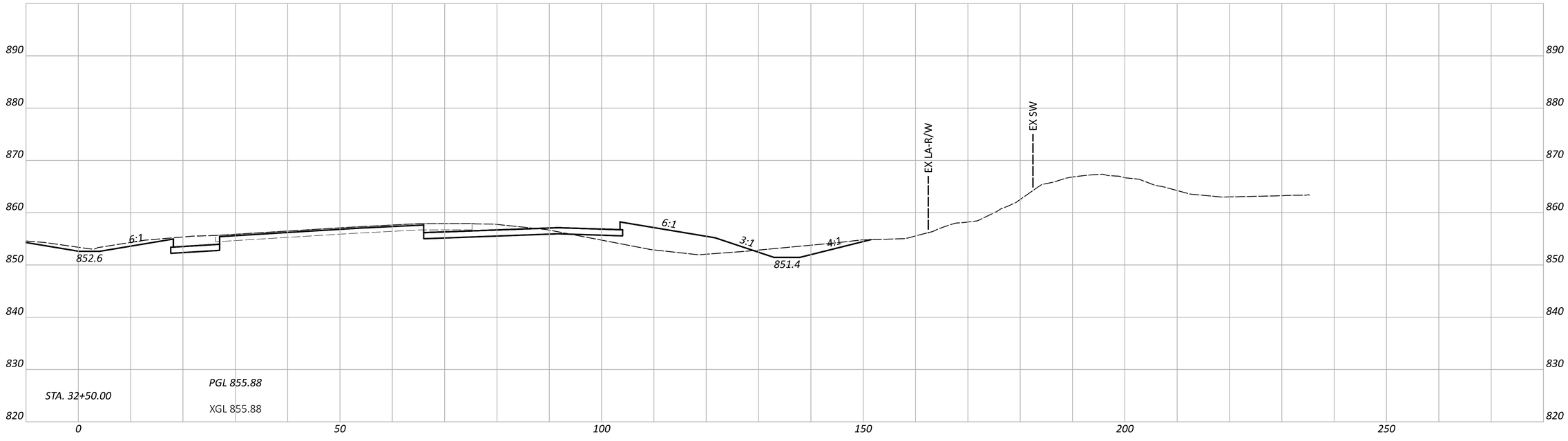
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0456 TOTAL P.1556





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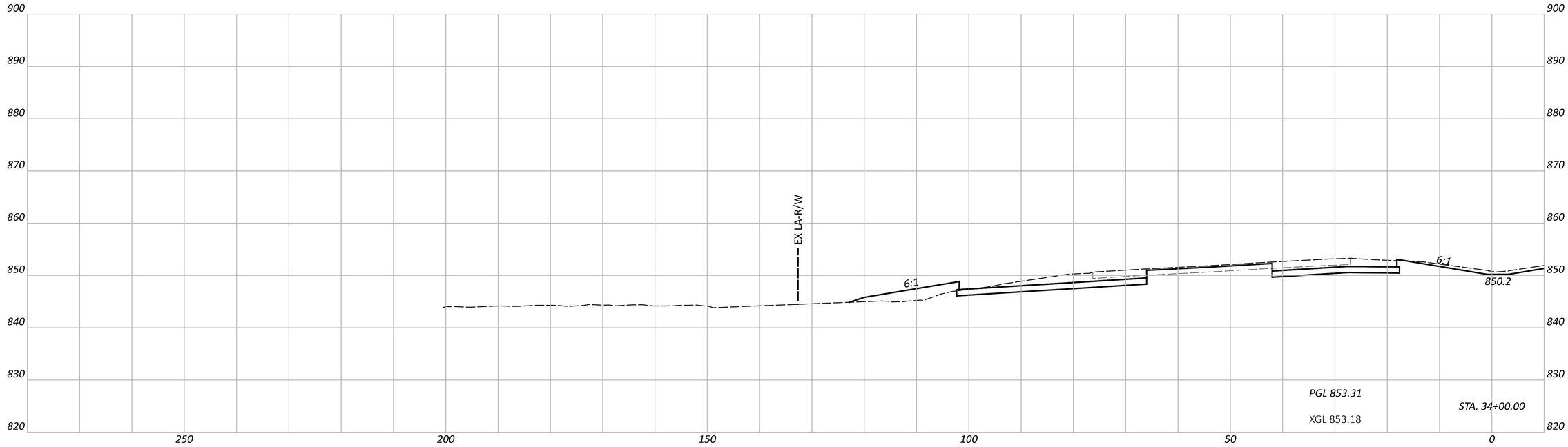
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

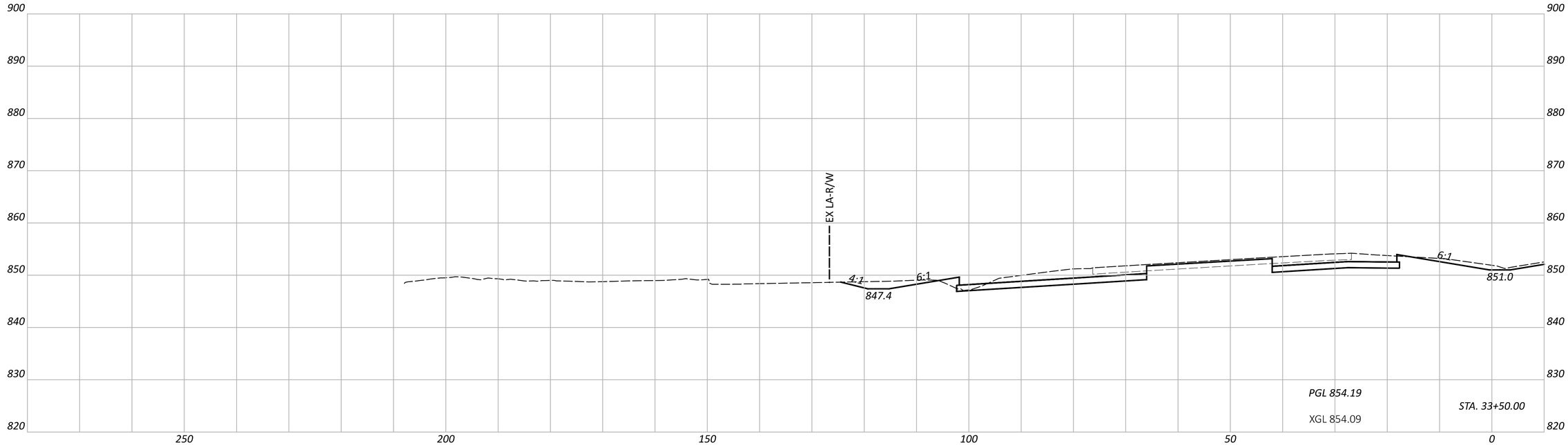
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0457 TOTAL P.1556





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FAI/LIC-IR 70-0.00/0.00

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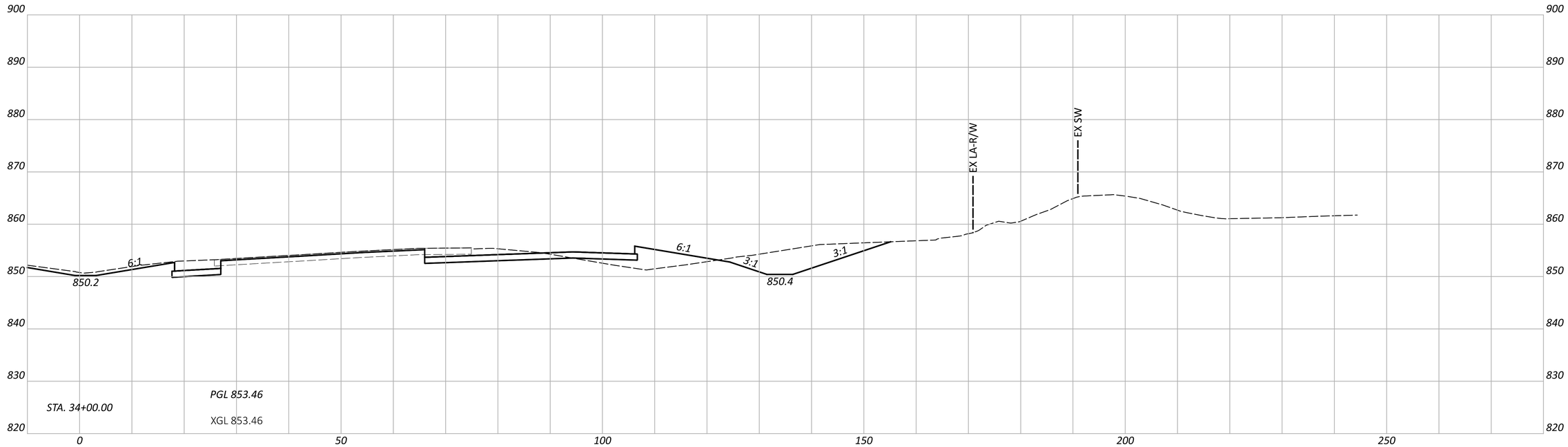
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

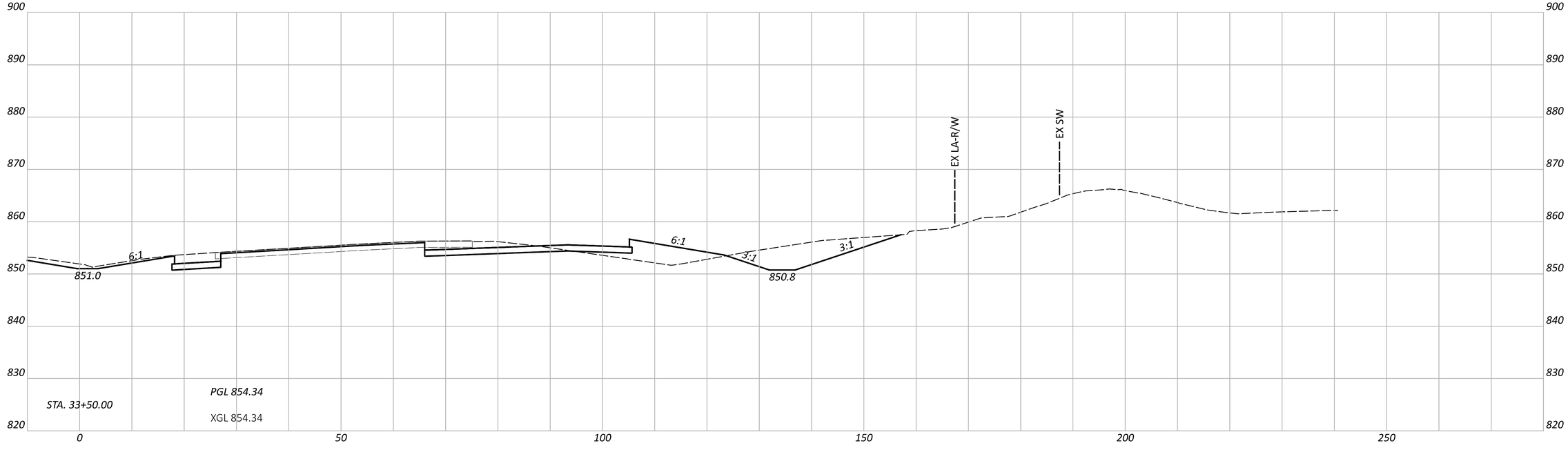
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0458 TOTAL P.1556





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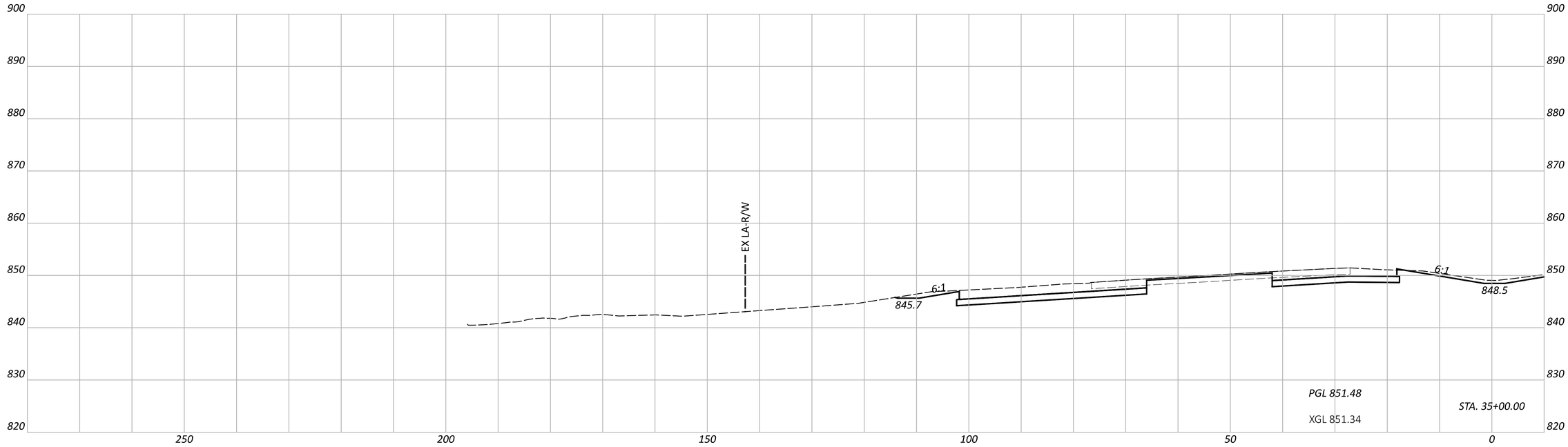
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

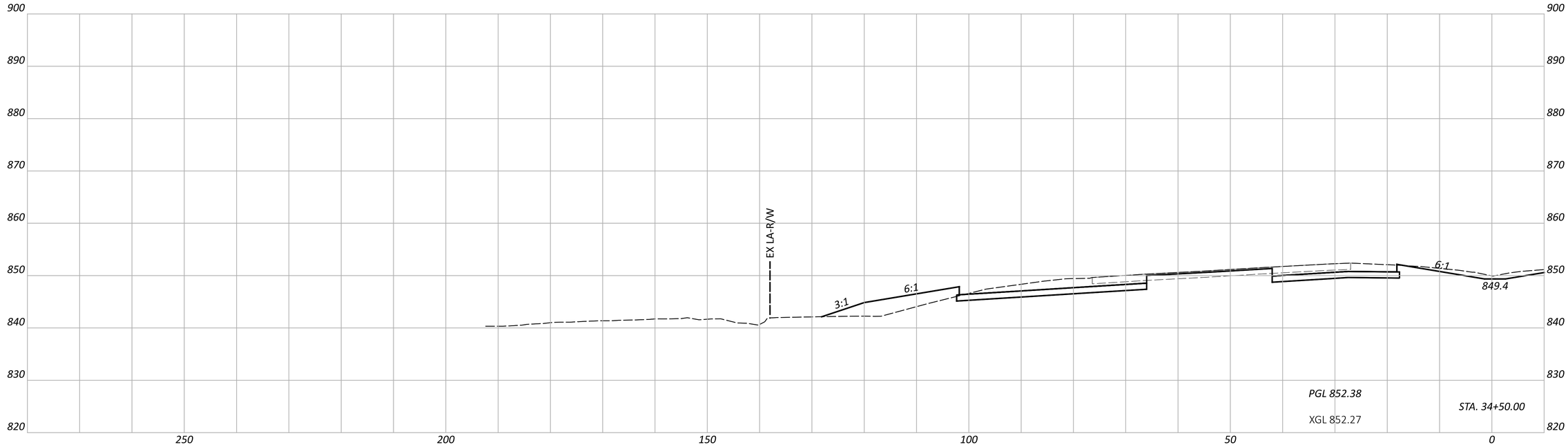
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0459 | TOTAL P.1556





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FAI/LIC-IR 70-0.00/0.00

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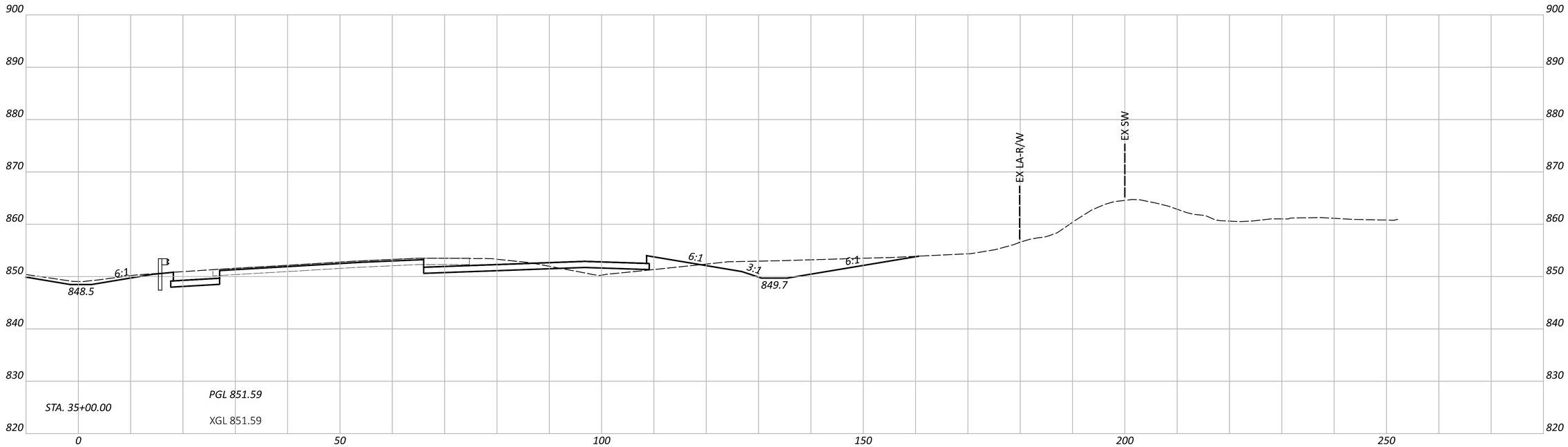
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

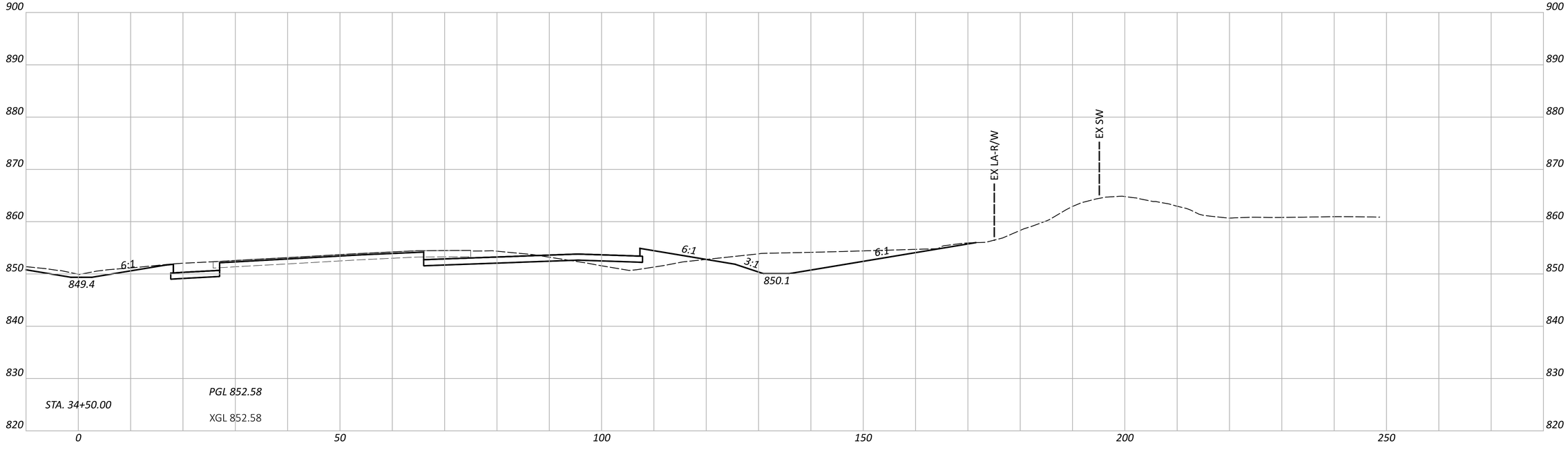
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0460 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 34+50.00 TO STA. 35+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0461 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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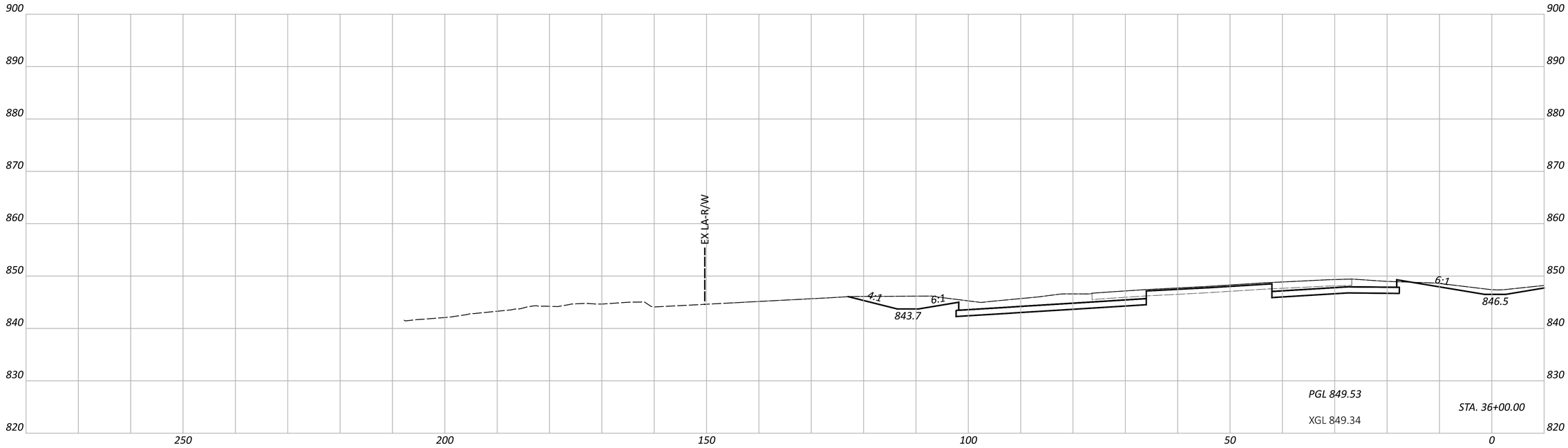

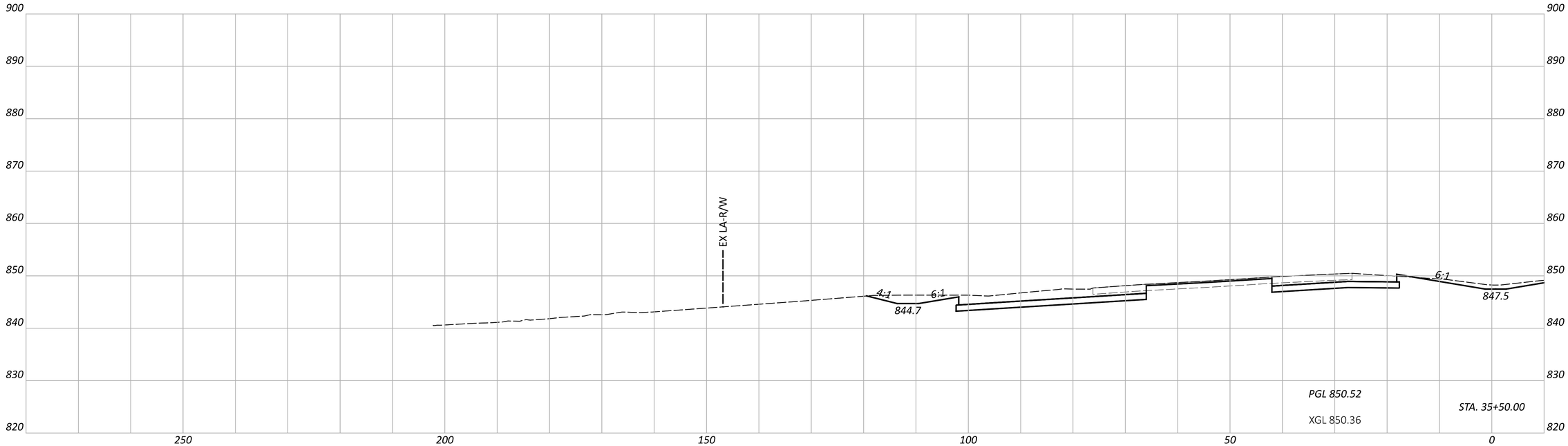

CROSS SECTIONS - IR 70 WB
STA. 35+50.00 TO STA. 36+00.00

FAI/LIC-IR 70-0.00/0.00

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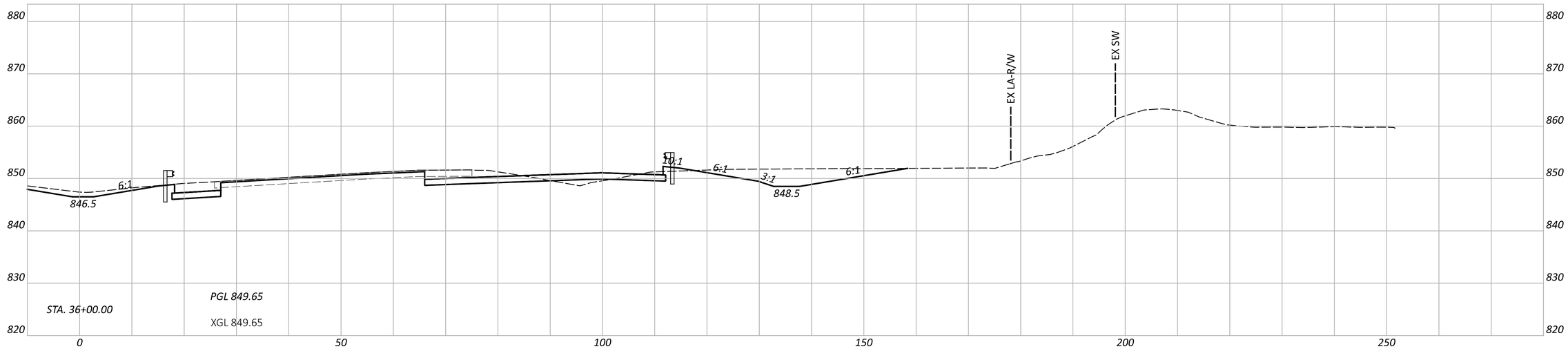
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

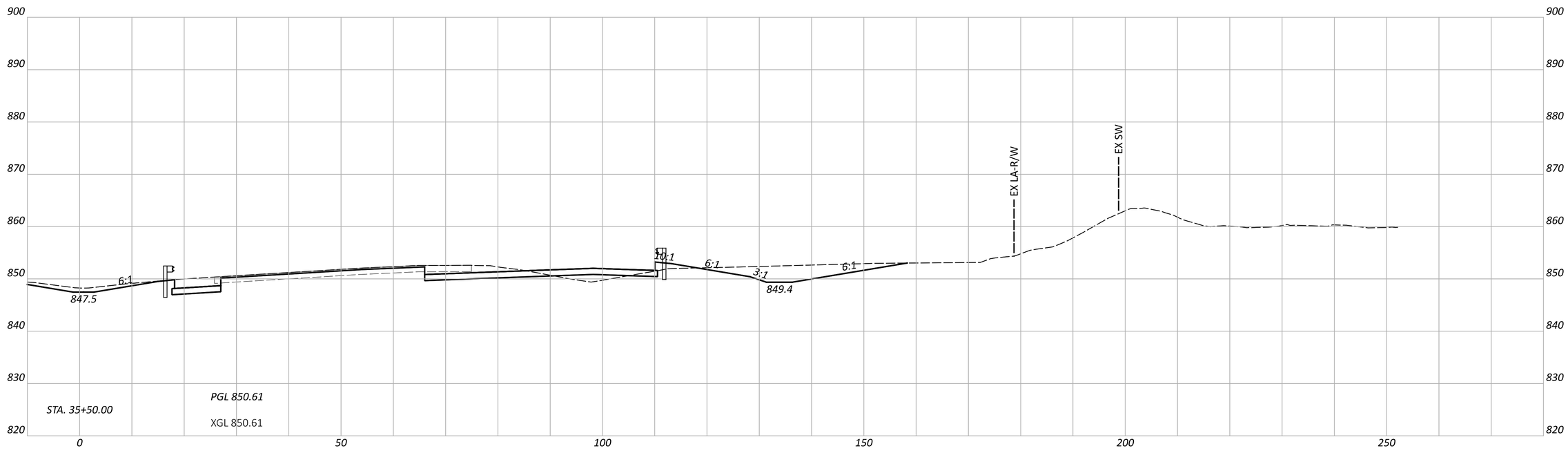
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0462 TOTAL P.1556





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CROSS SECTIONS - IR 70 EB
STA. 35+50.00 TO STA. 36+00.00

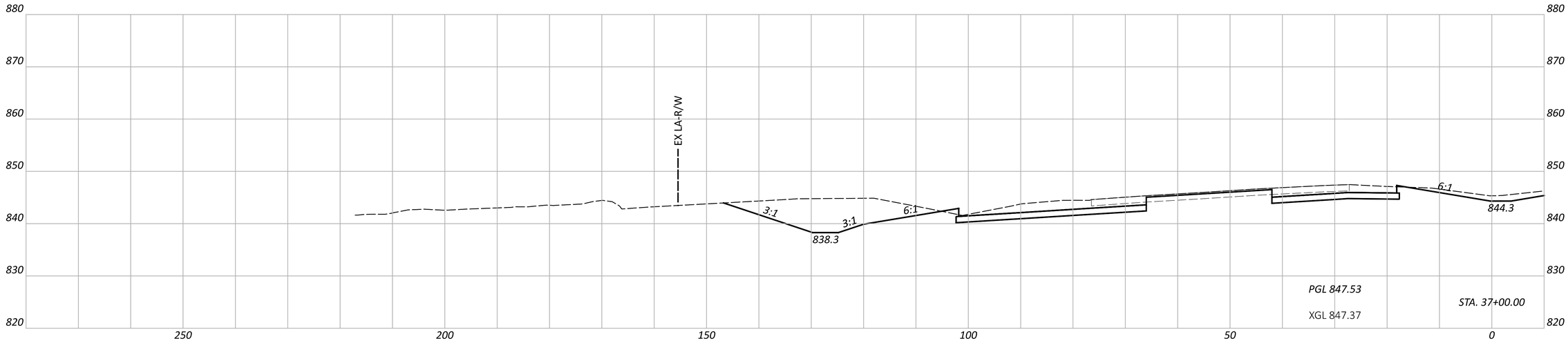
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

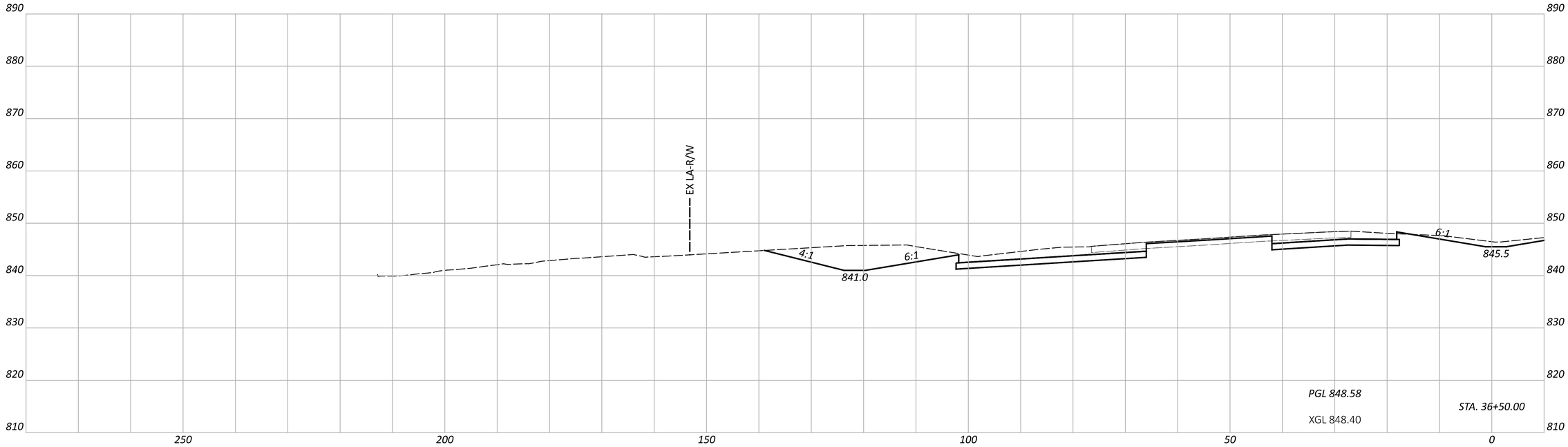
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0463 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 36+50.00 TO STA. 37+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0464 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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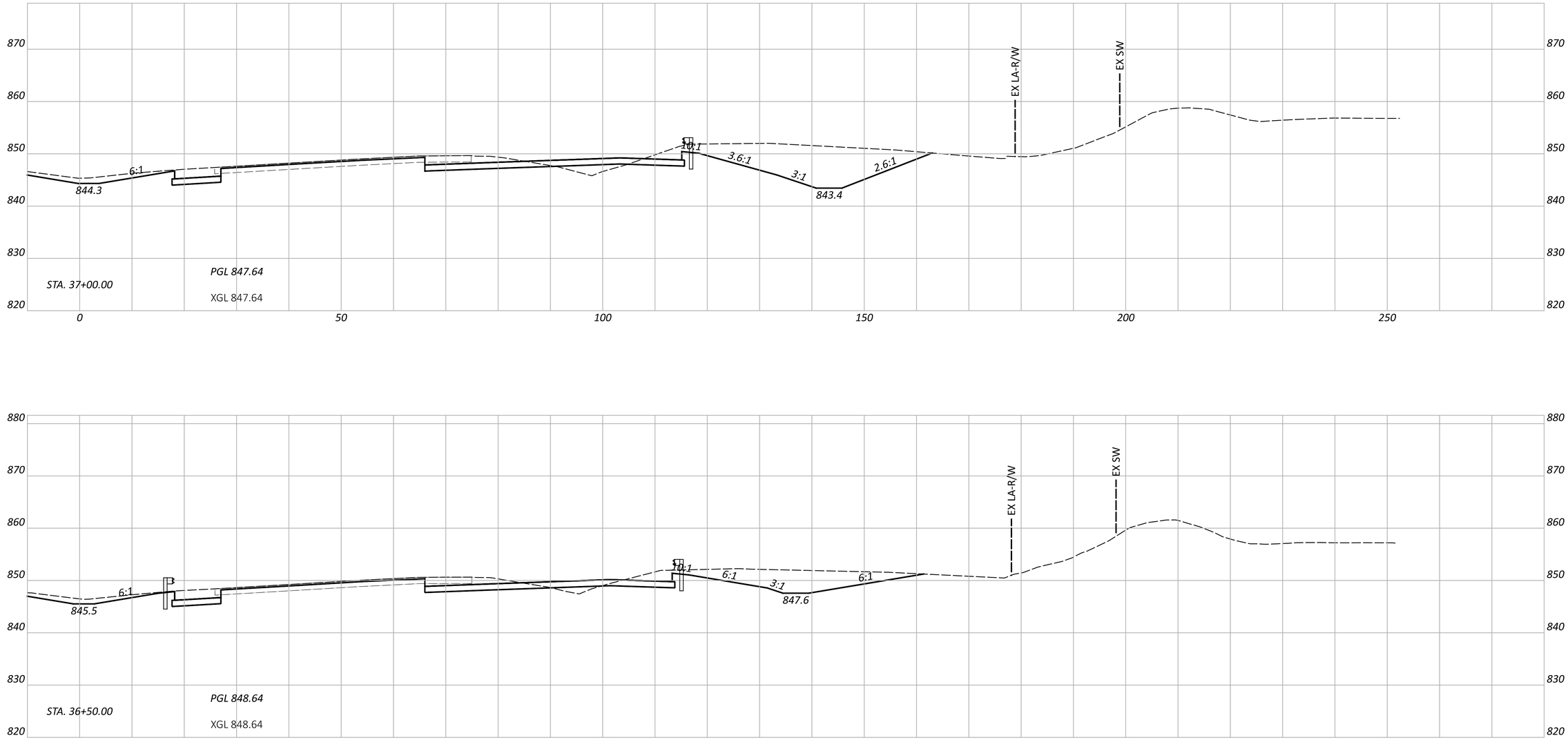

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STA. 36+50.00 TO STA. 37+00.00

FAI/LIC-IR 70-0.00/0.00

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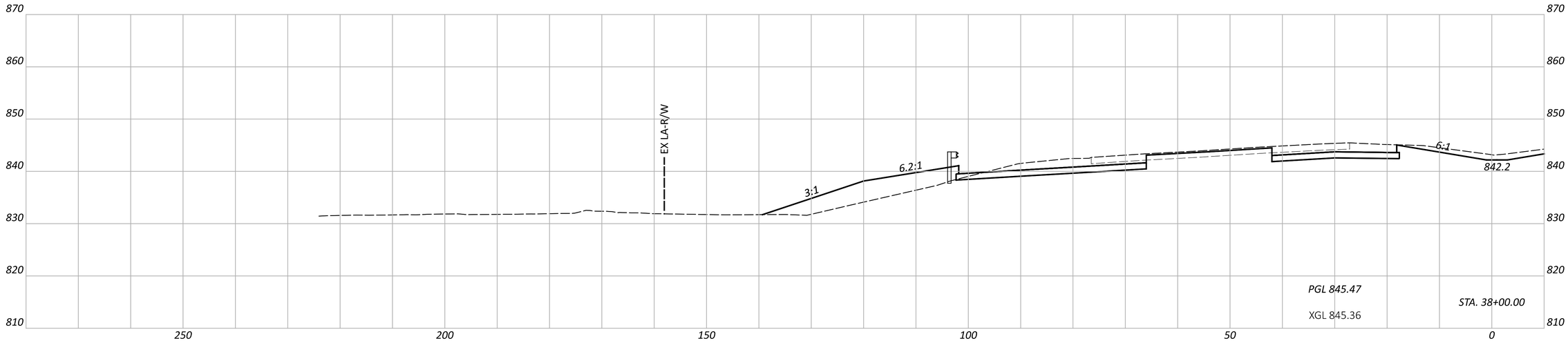
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

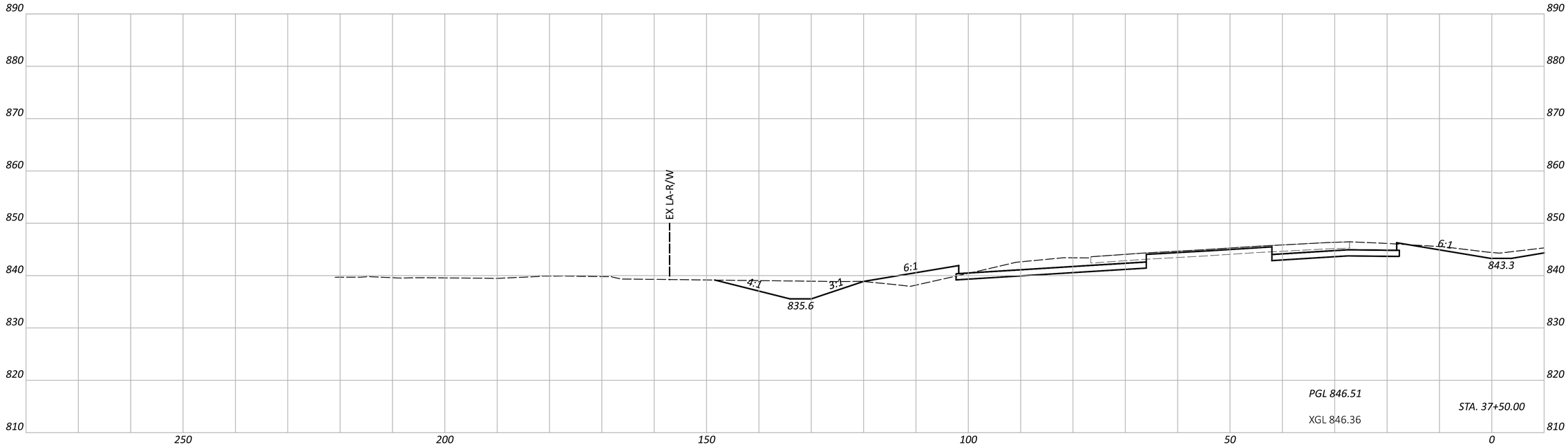
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0465 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 37+50.00 TO STA. 38+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0466 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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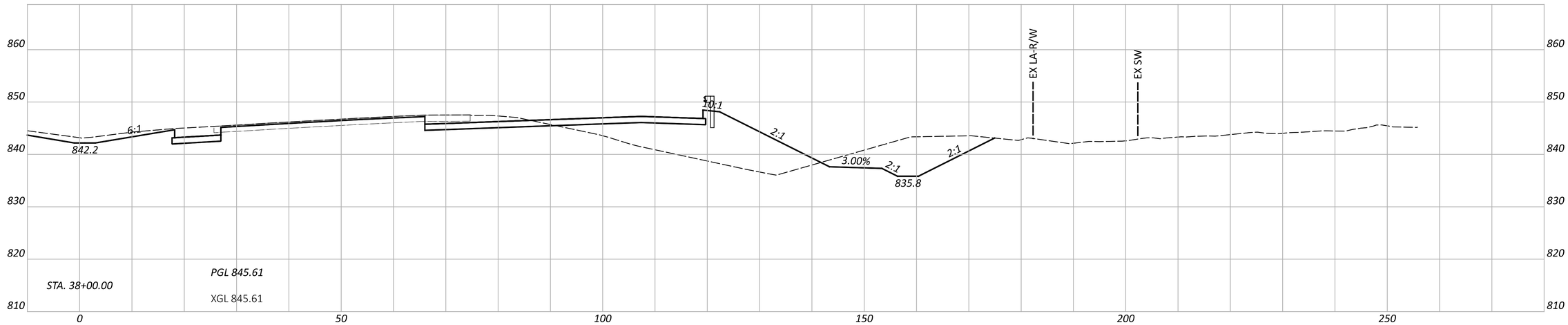

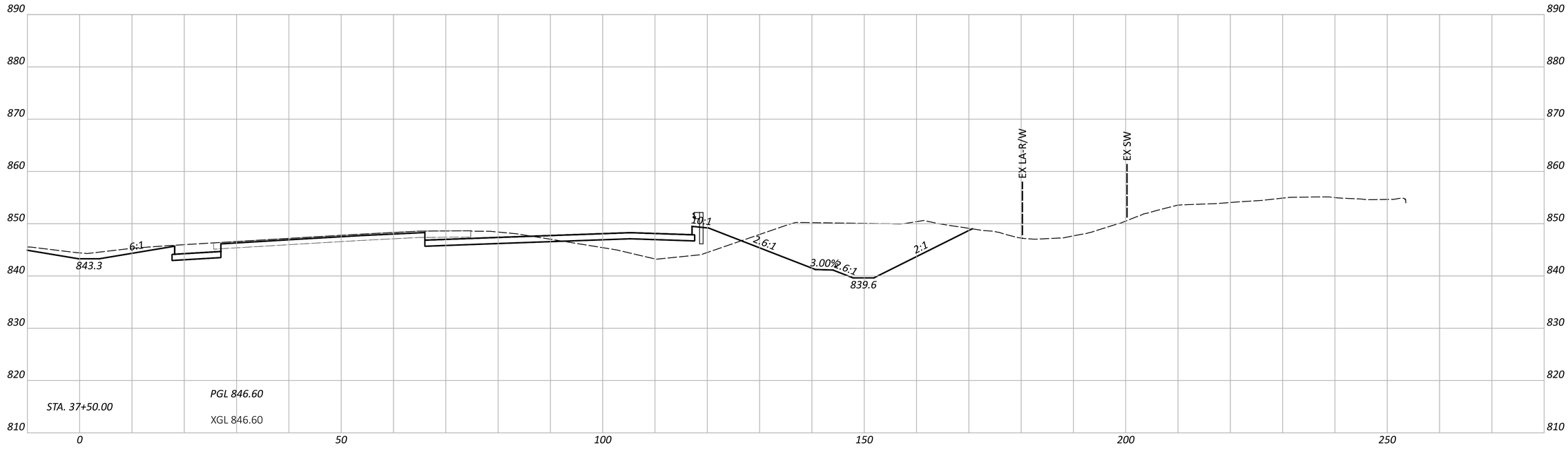

CROSS SECTIONS - IR 70 EB
STA. 37+50.00 TO STA. 38+00.00

FAI/LIC-IR 70-0.00/0.00

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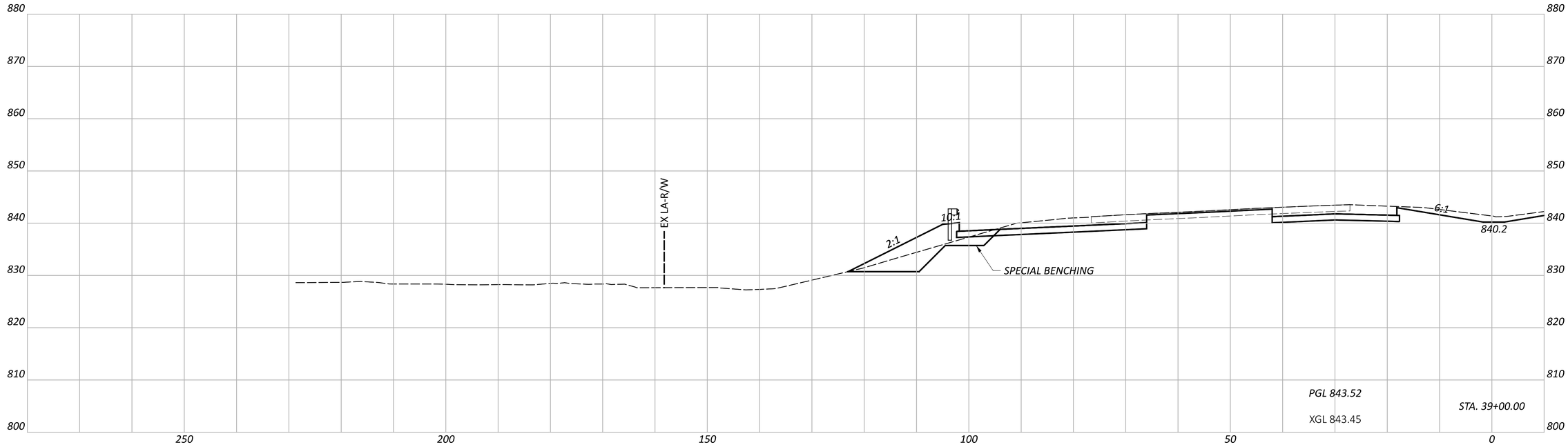
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

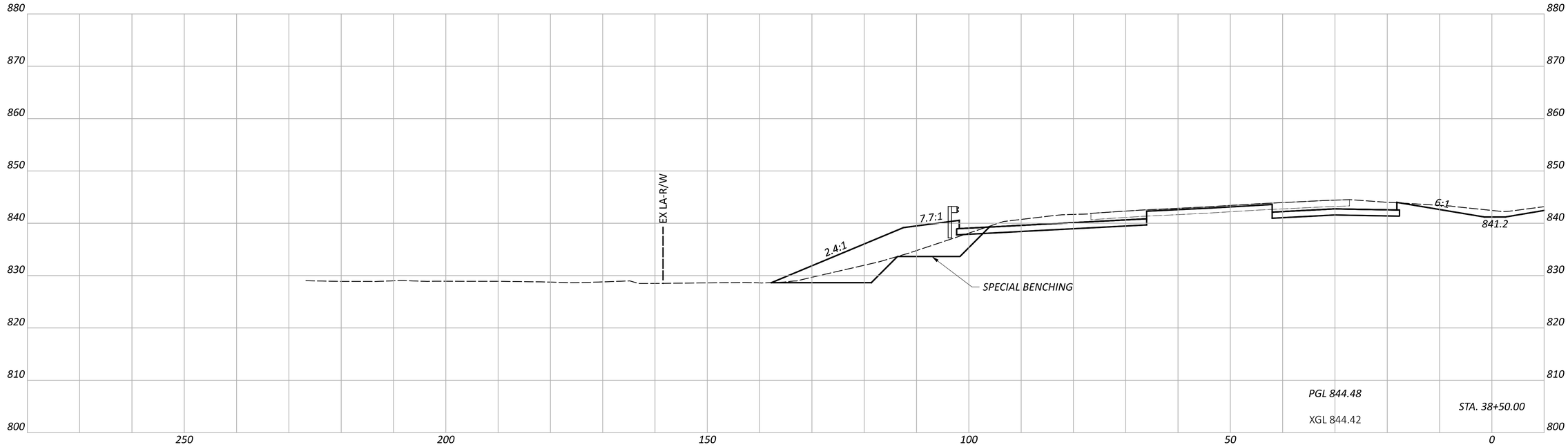
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0467 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 38+50.00 TO STA. 39+00.00

FAI/LIC-IR 70-0.00/0.00

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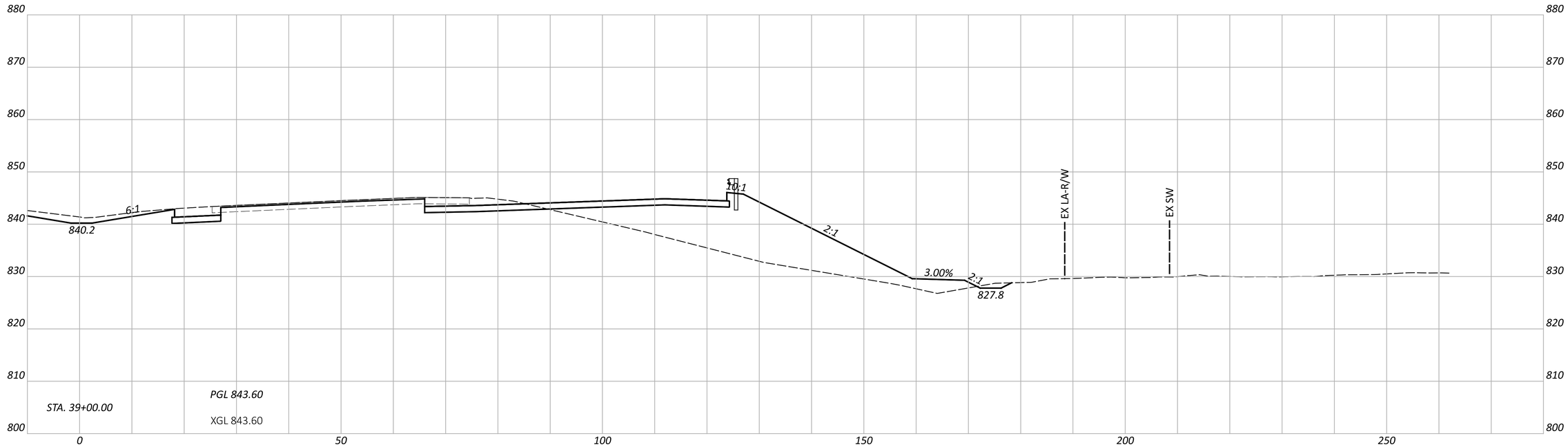
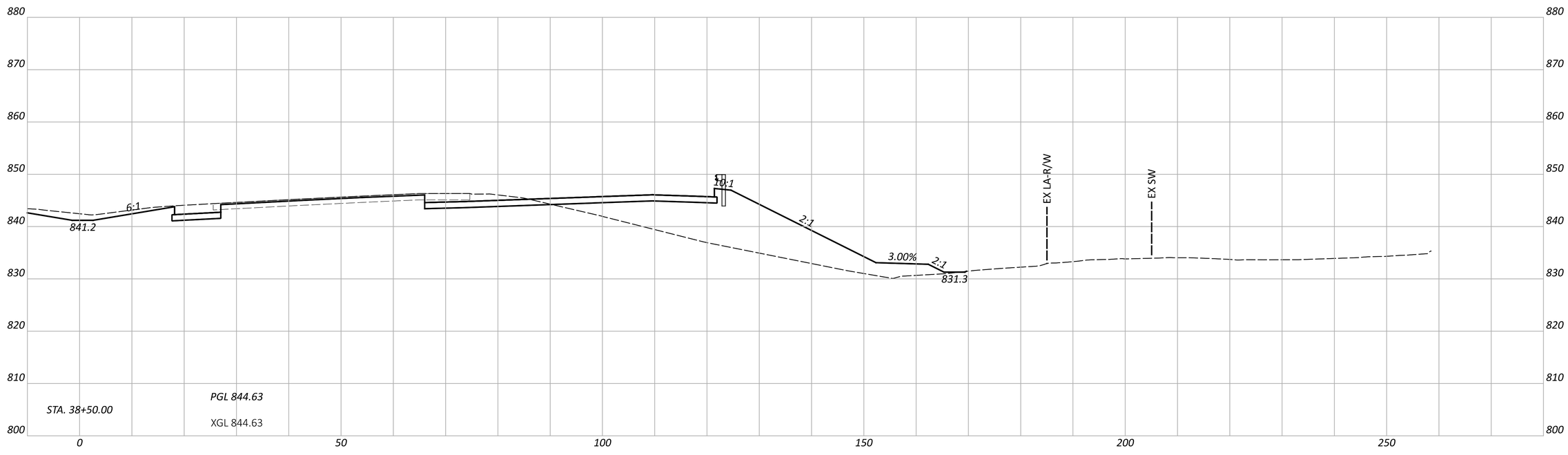
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0468 TOTAL: P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 38+50.00 TO STA. 39+00.00

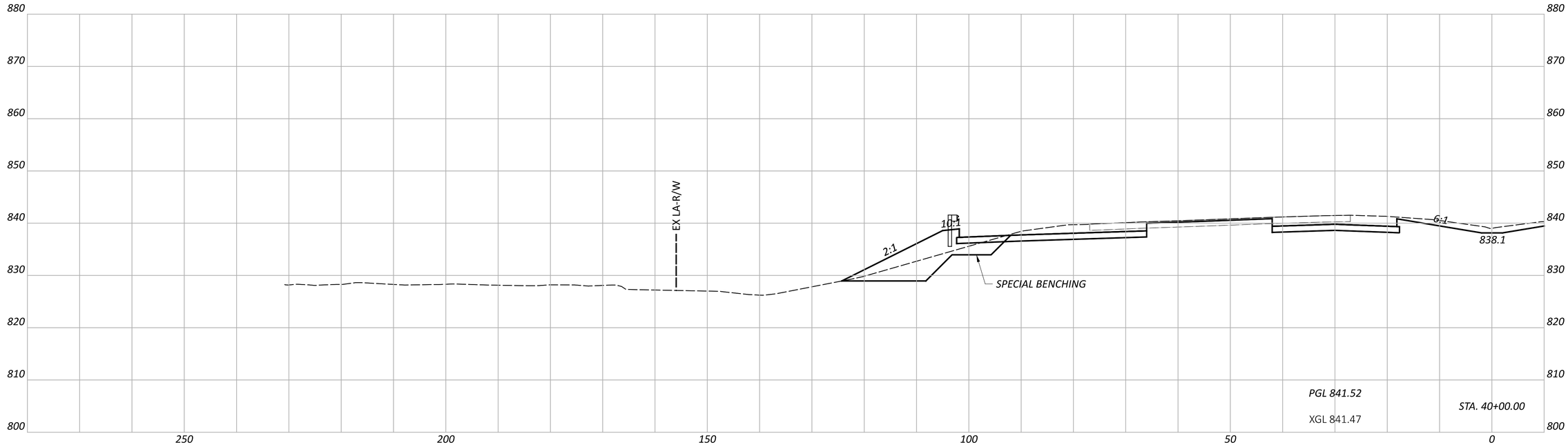
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

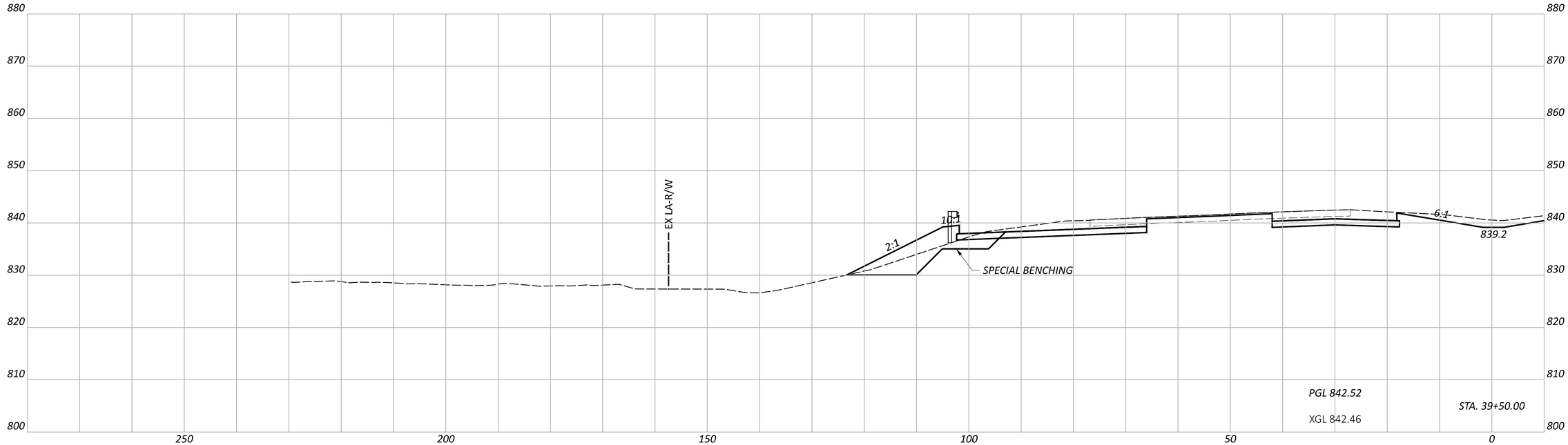
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0469 | TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 39+50.00 TO STA. 40+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 39+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:40:14 AM USER: brieder
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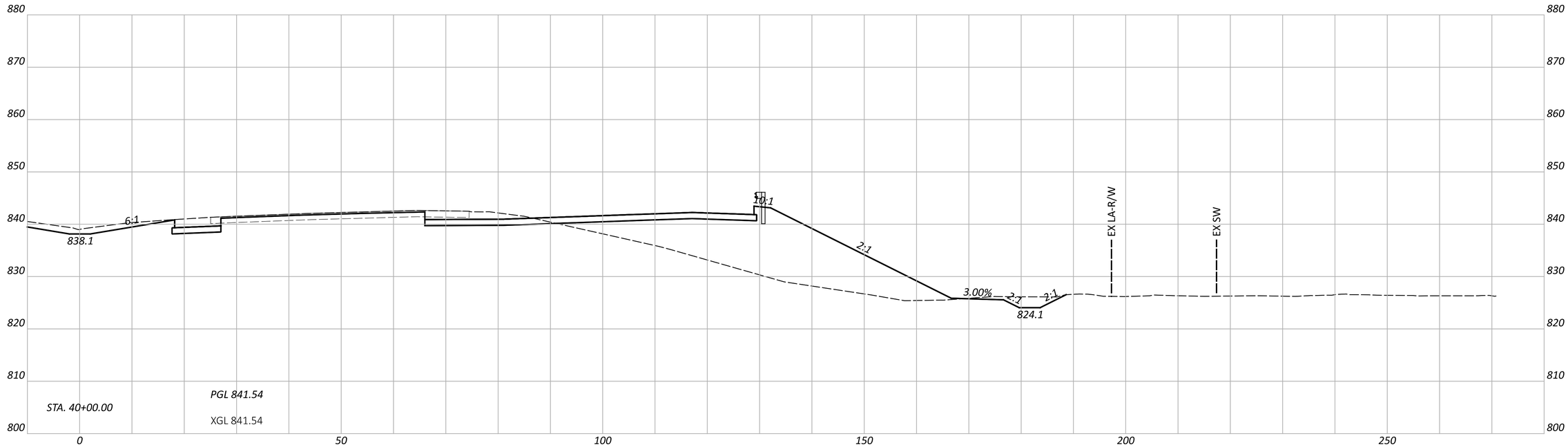
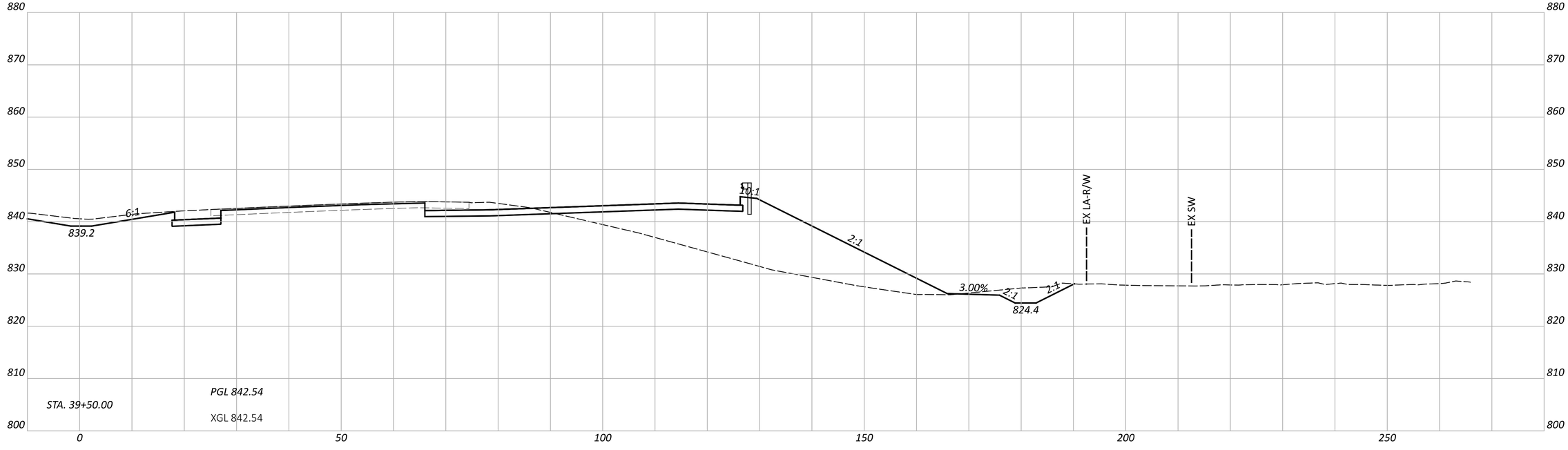
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0470
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 39+50.00 TO STA. 40+00.00

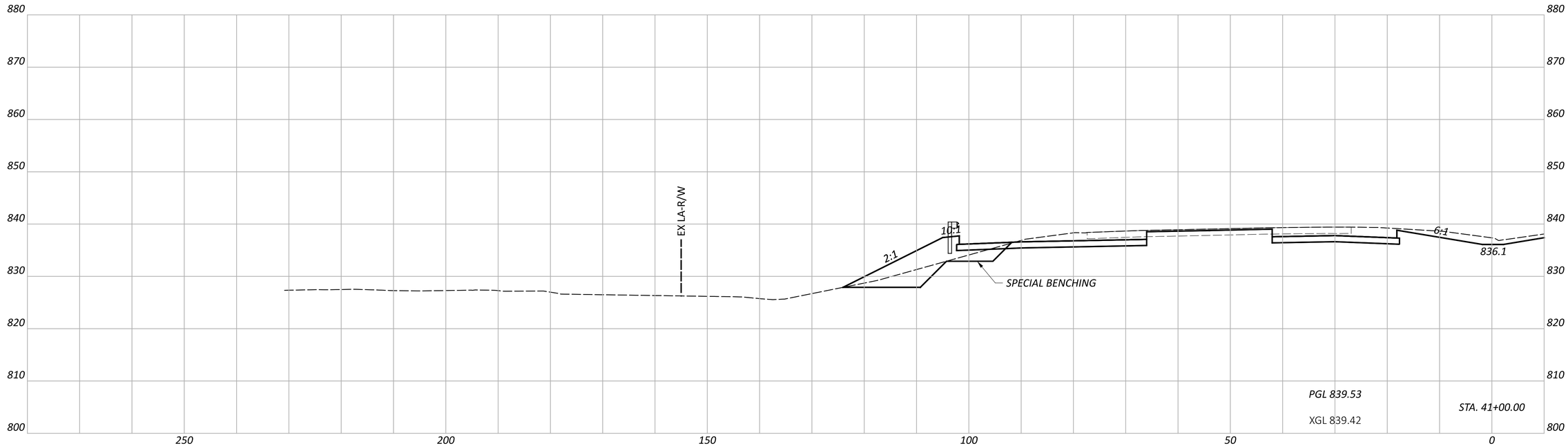
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

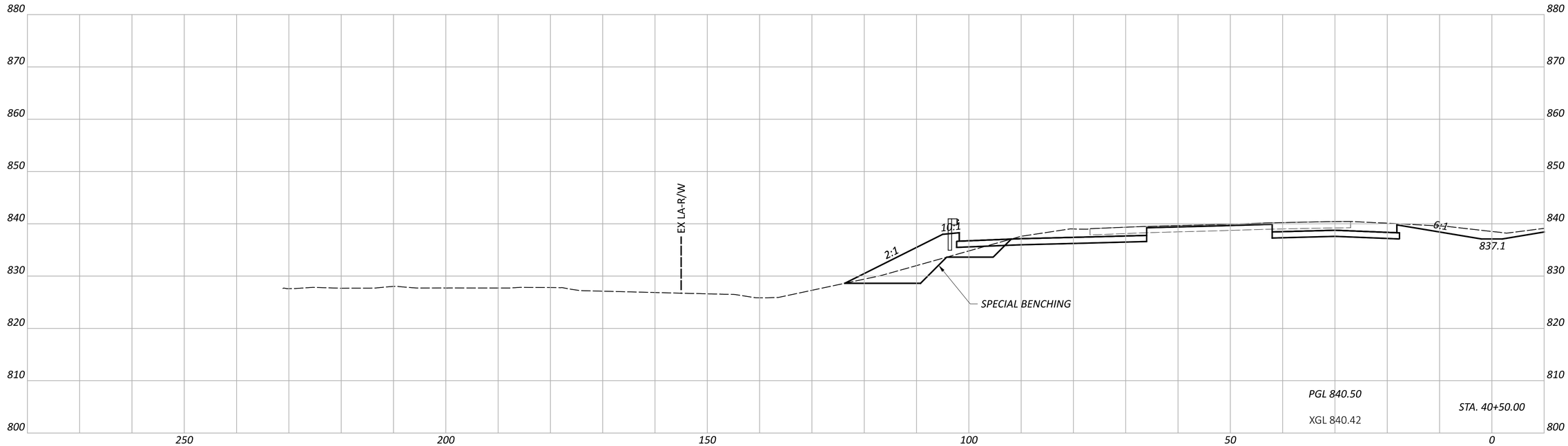
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0471 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 40+50.00 TO STA. 41+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 40+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:40:24 AM USER: brieder
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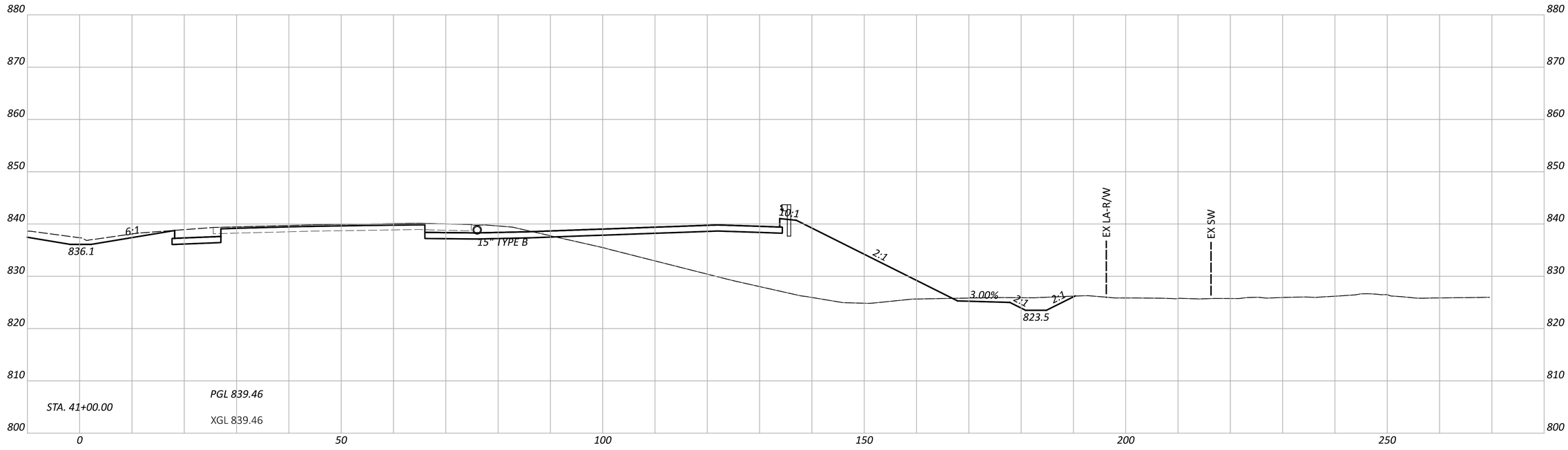
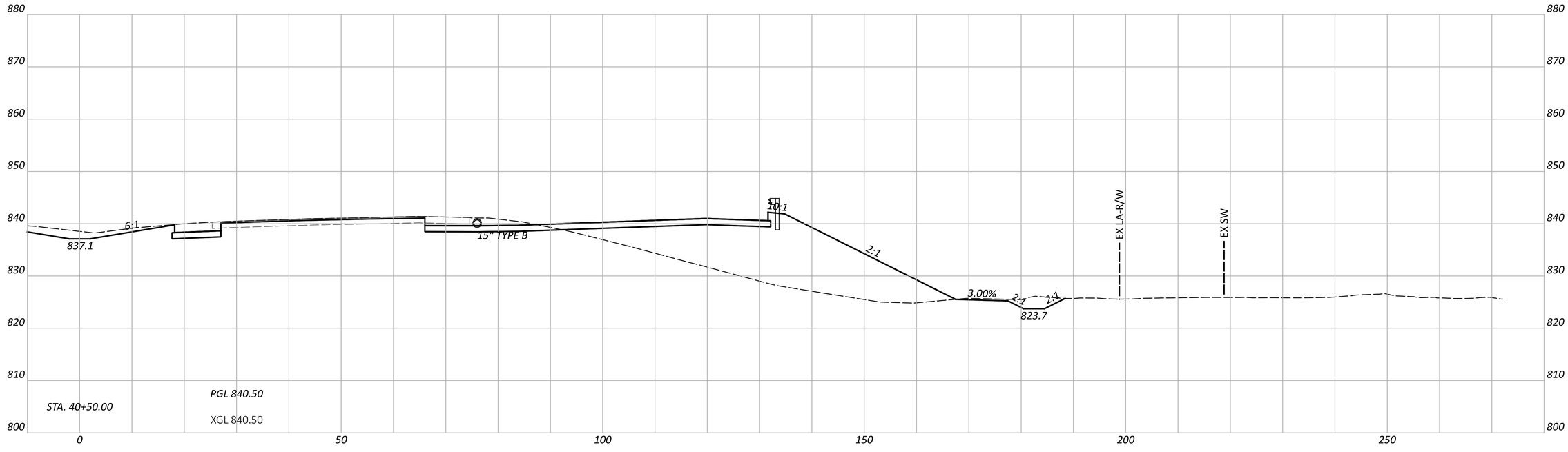
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0472
TOTAL	P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 40+50.00 TO STA. 41+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 40+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:40:29 AM USER: brieder
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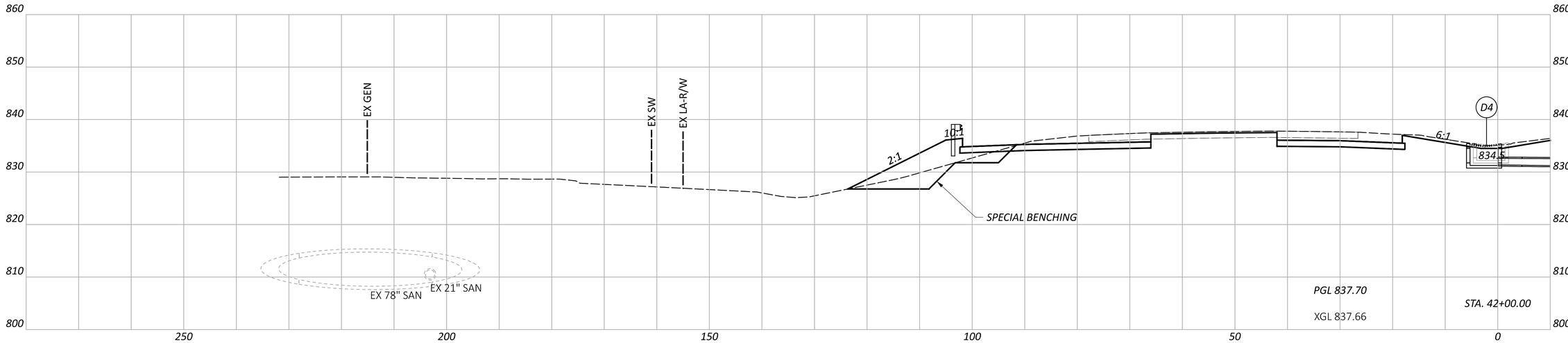
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

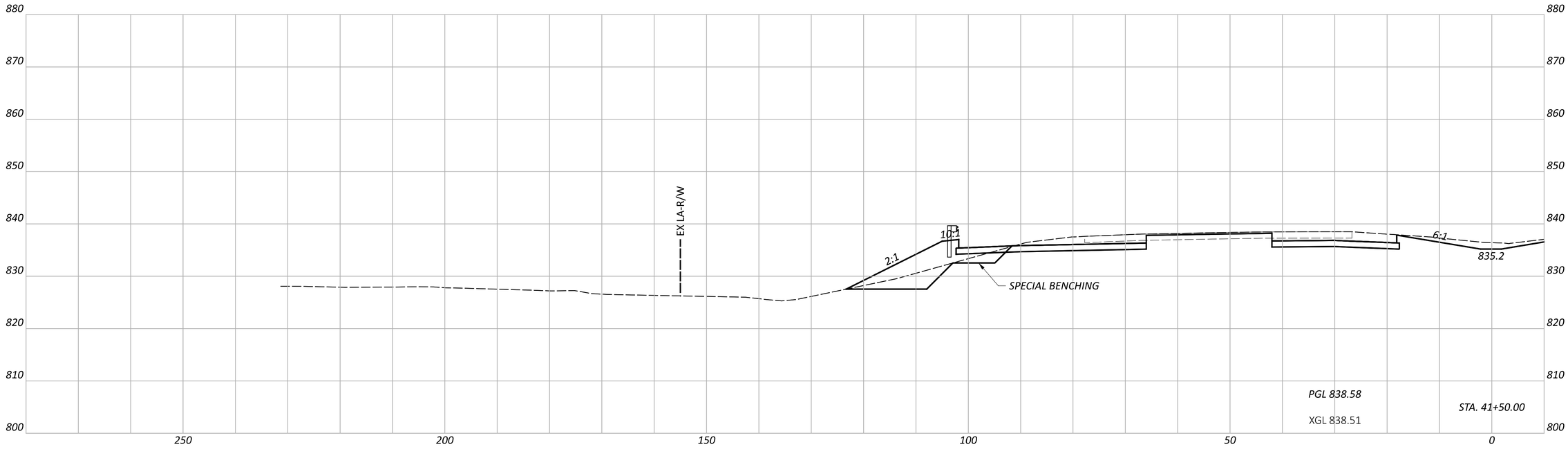
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0473 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 41+50.00 TO STA. 42+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 41+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:40:33 AM USER: brieder
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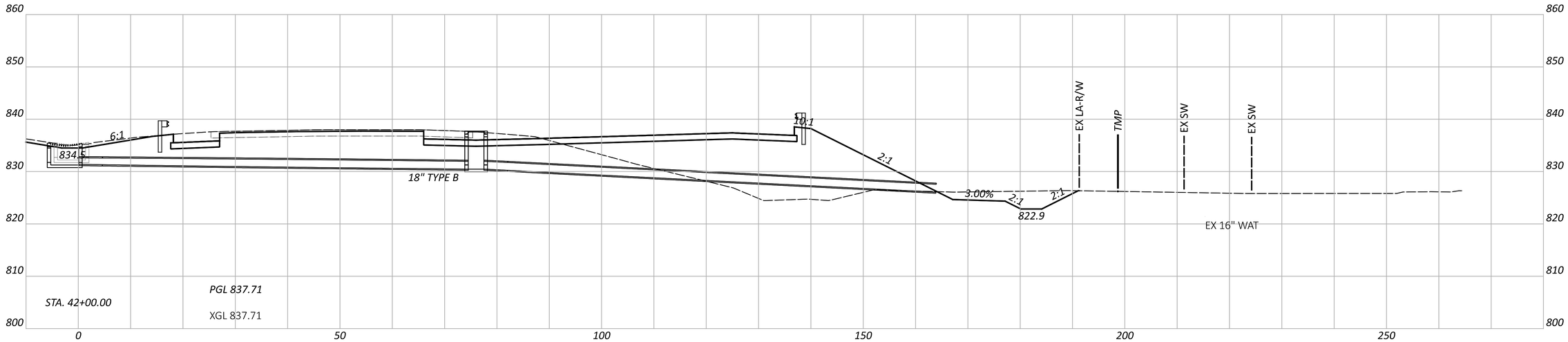
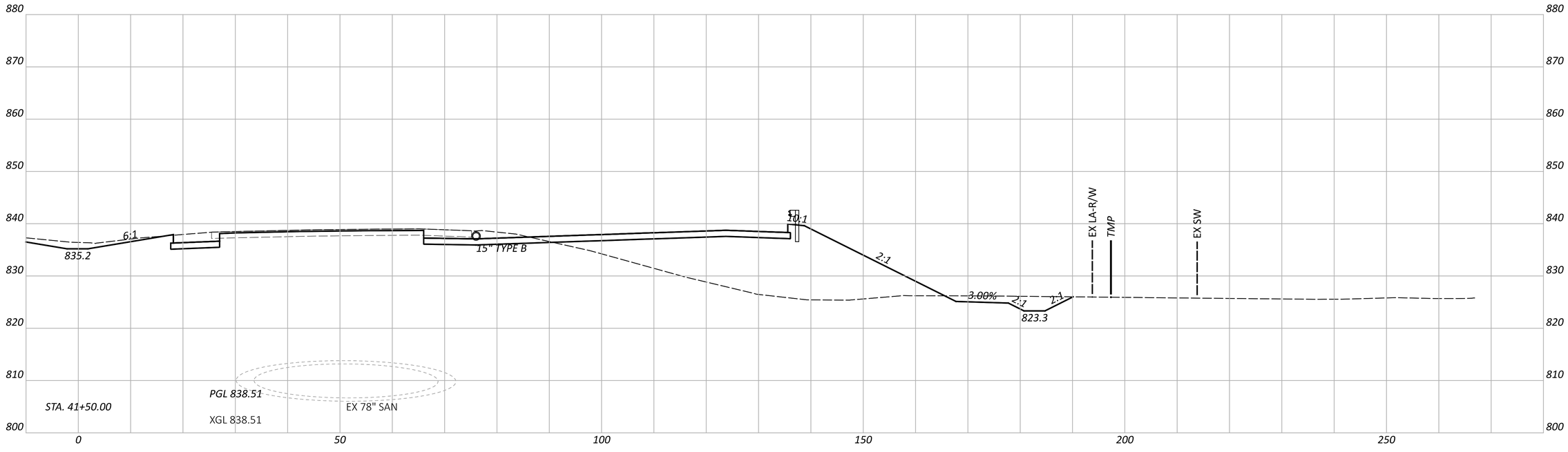
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0474
TOTAL	P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 41+50.00 TO STA. 42+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0475 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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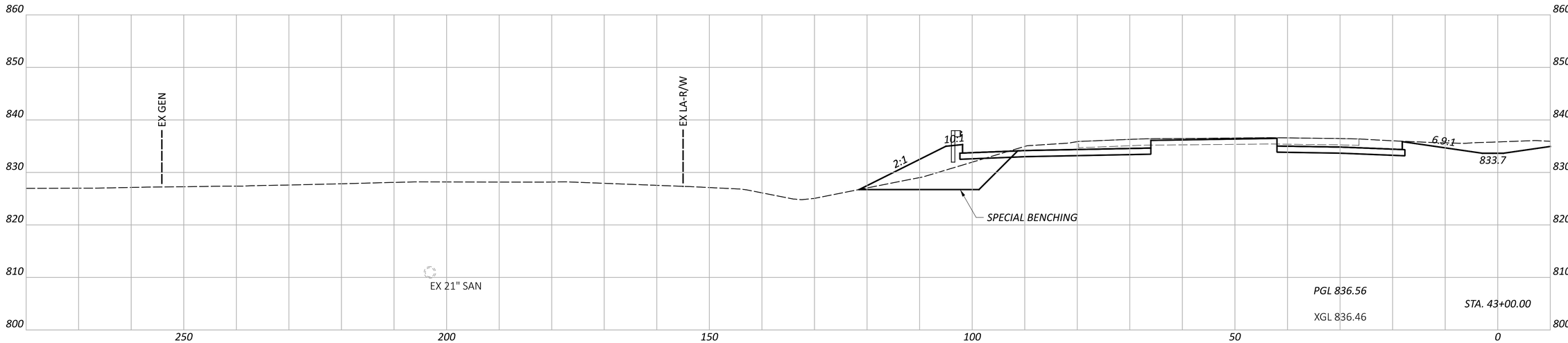

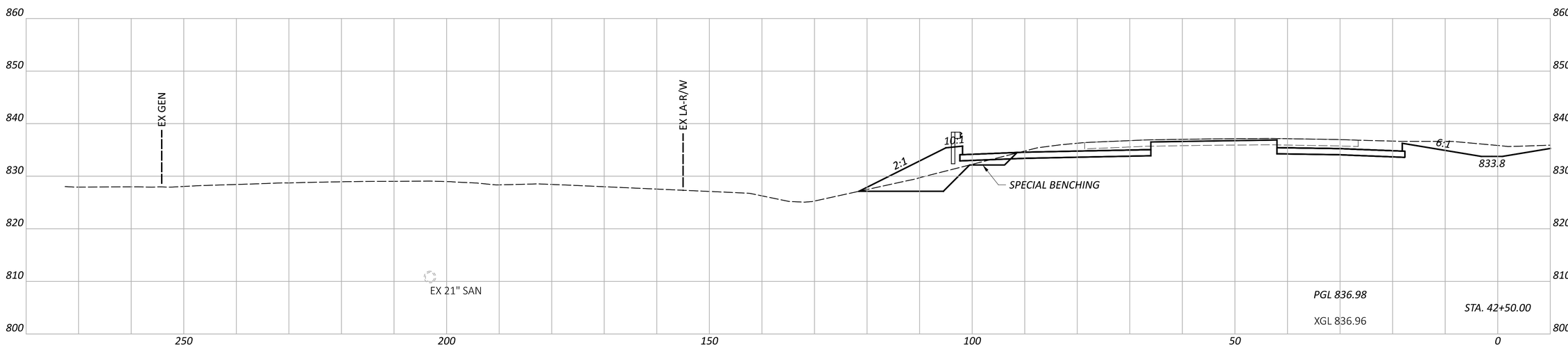

CROSS SECTIONS - IR 70 WB
STA. 42+50.00 TO STA. 43+00.00

FAI/LIC-IR 70-0.00/0.00

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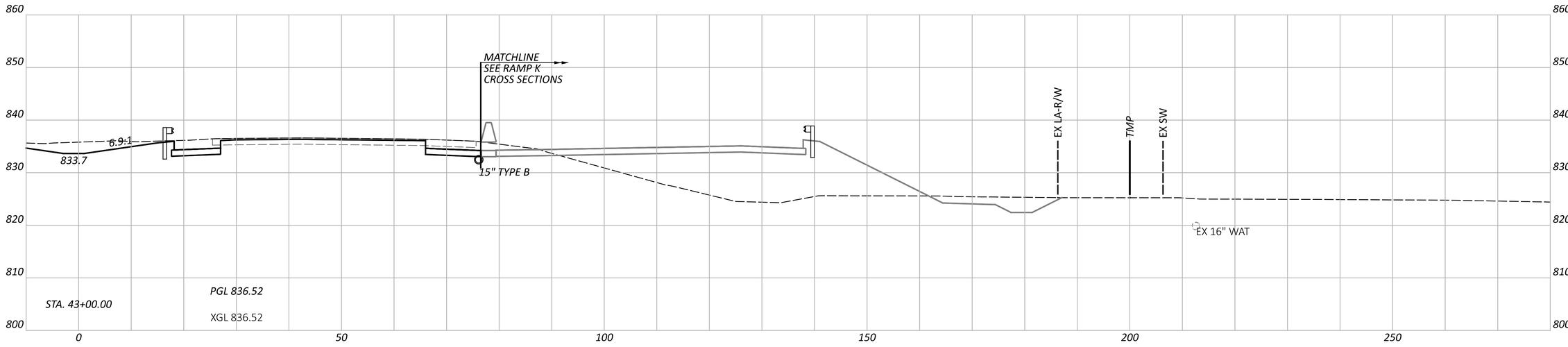
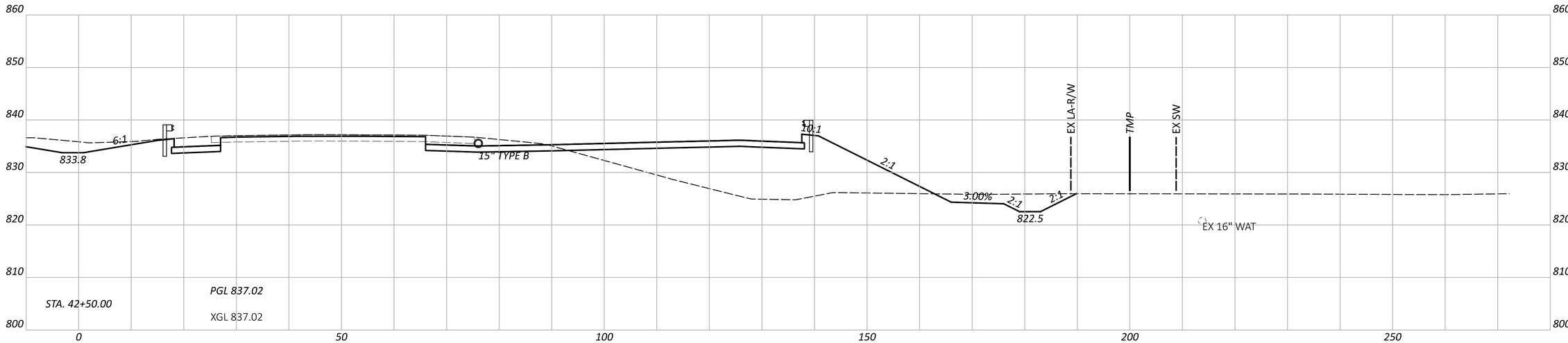
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0476
TOTAL	P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 42+50.00 TO STA. 43+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 42+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:40:49 AM USER: brieder
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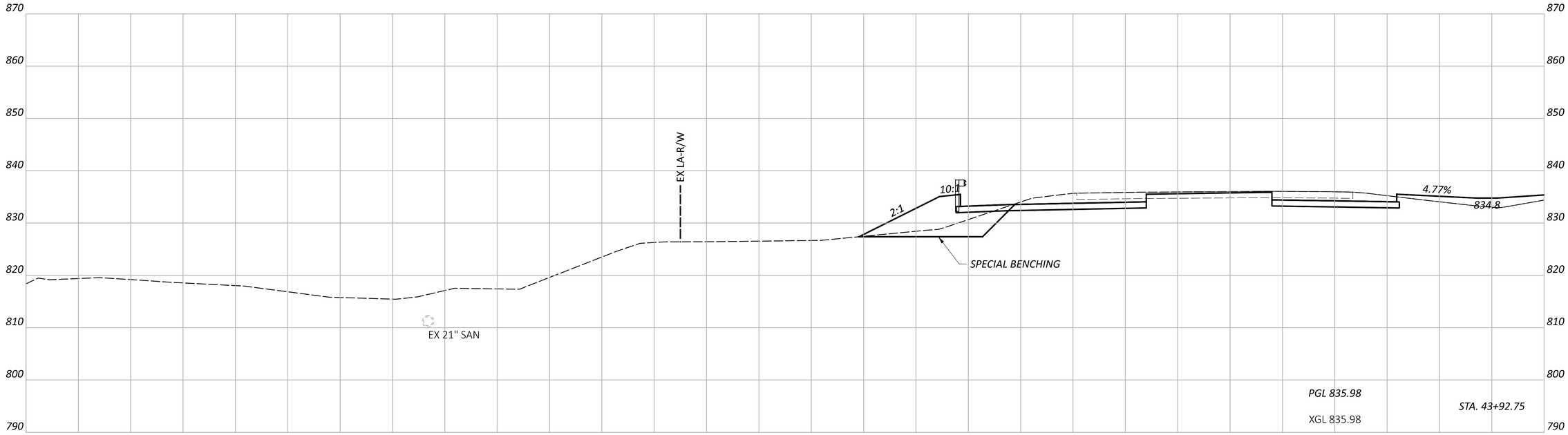
DESIGN AGENCY
STRUCTUREPOINT LLC

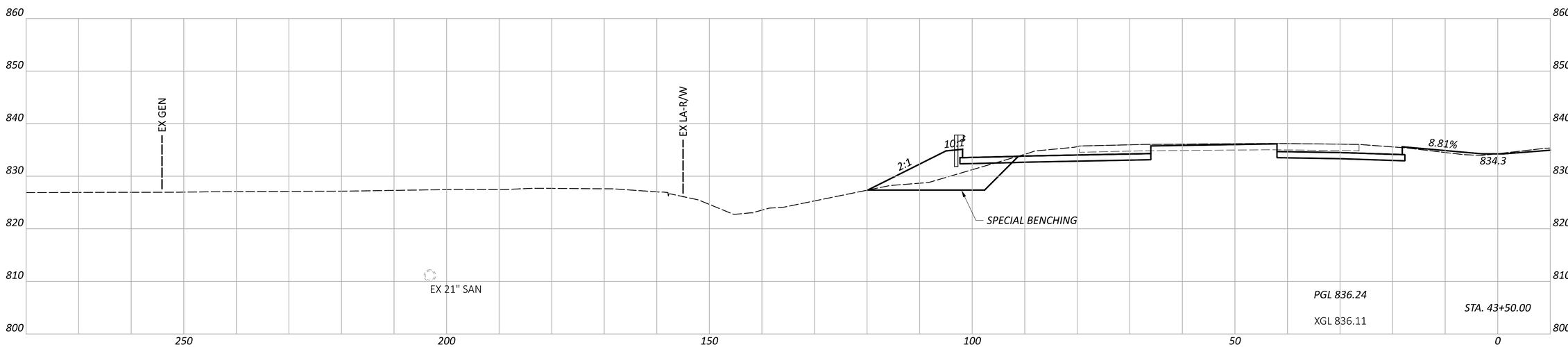
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0477 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 43+50.00 TO STA. 43+92.75

FAI/LIC-IR 70-0.00/0.00

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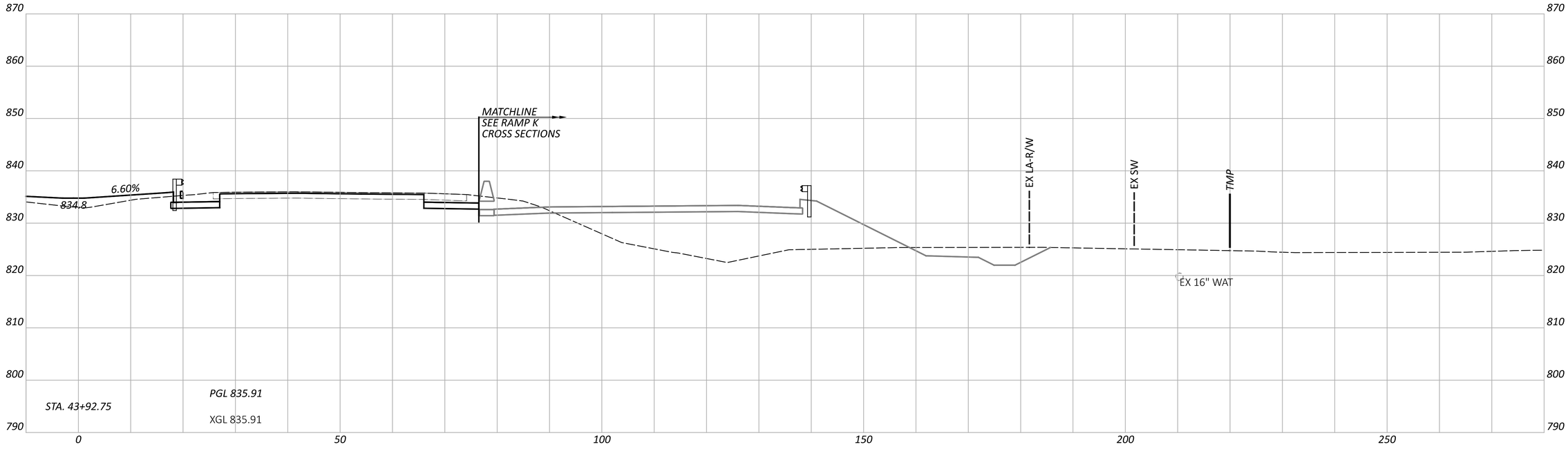
DESIGN AGENCY
STRUCTUREPOINT LLC

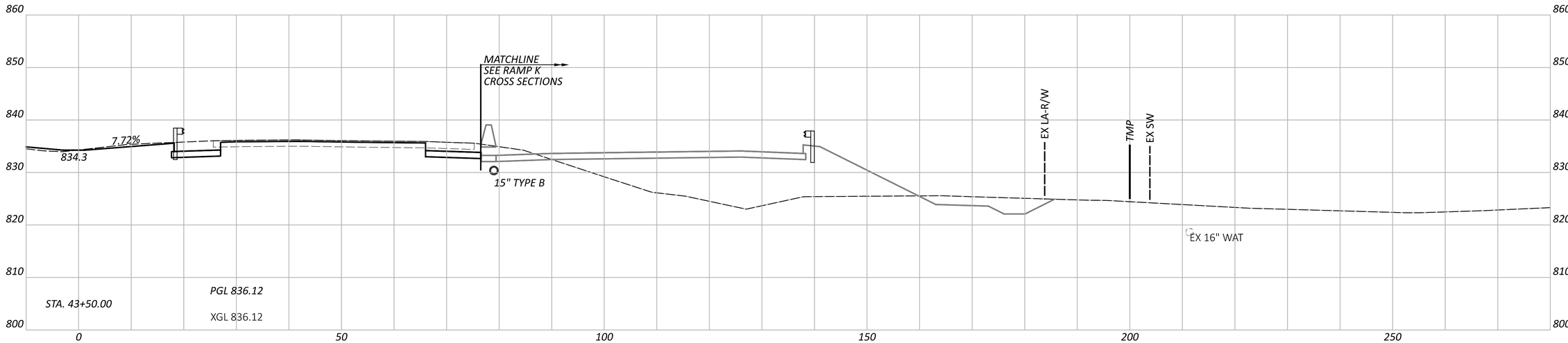
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0478 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 43+50.00 TO STA. 43+92.75

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 43+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:40:59 AM USER: brieder
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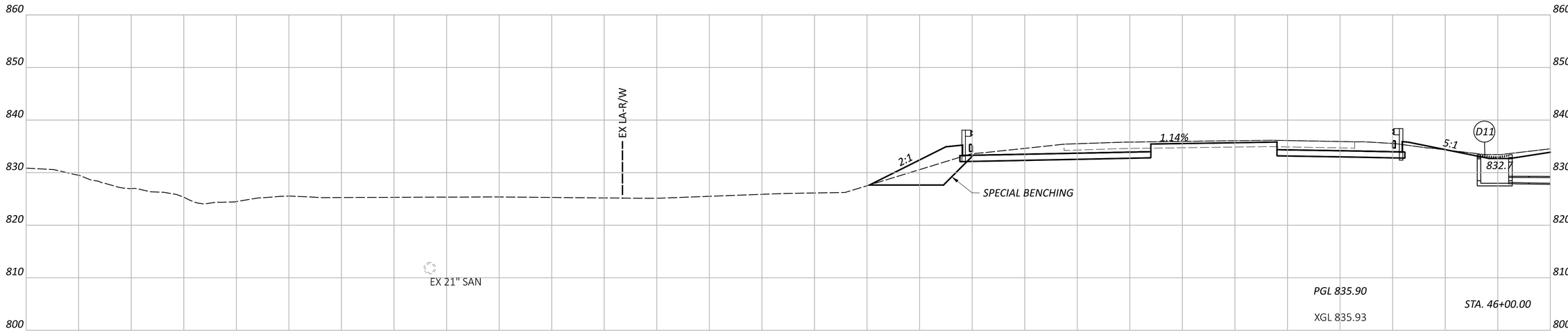
DESIGN AGENCY
STRUCTUREPOINT INC.

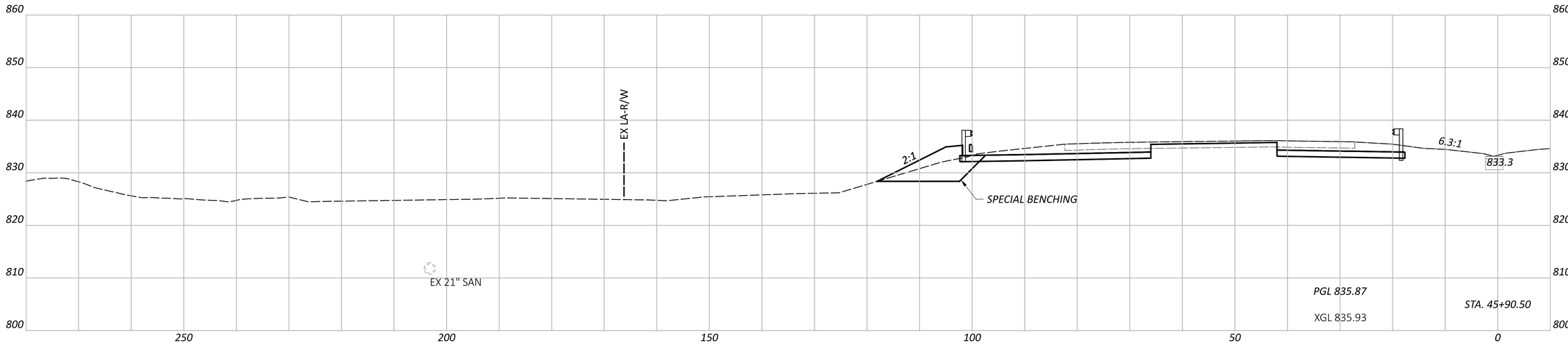
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0479 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 45+90.50 TO STA. 46+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 45+90.50 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:41:06 AM USER: brieder
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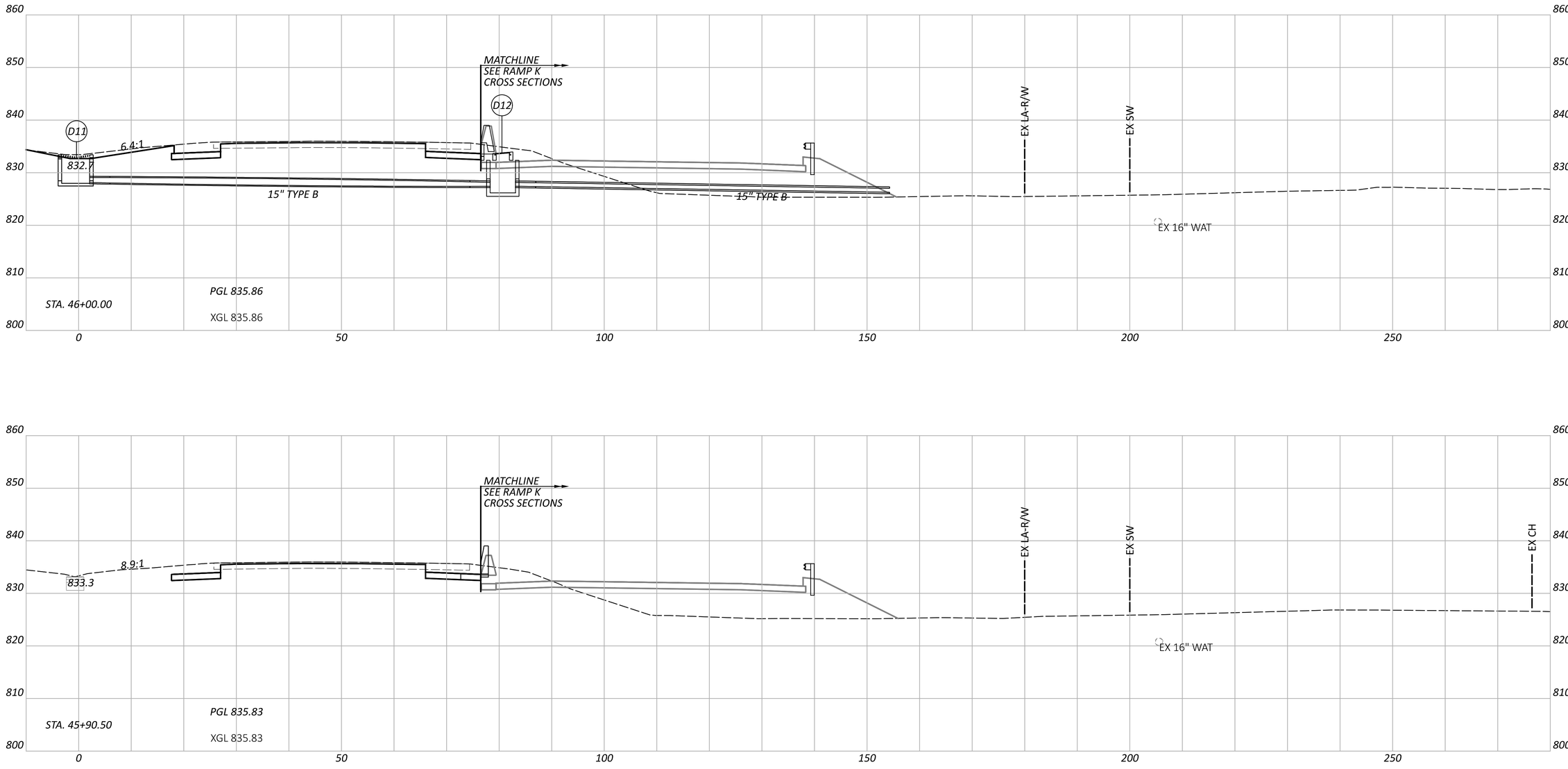
DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER: BER
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.0480 TOTAL: P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 45+90.50 TO STA. 46+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0481 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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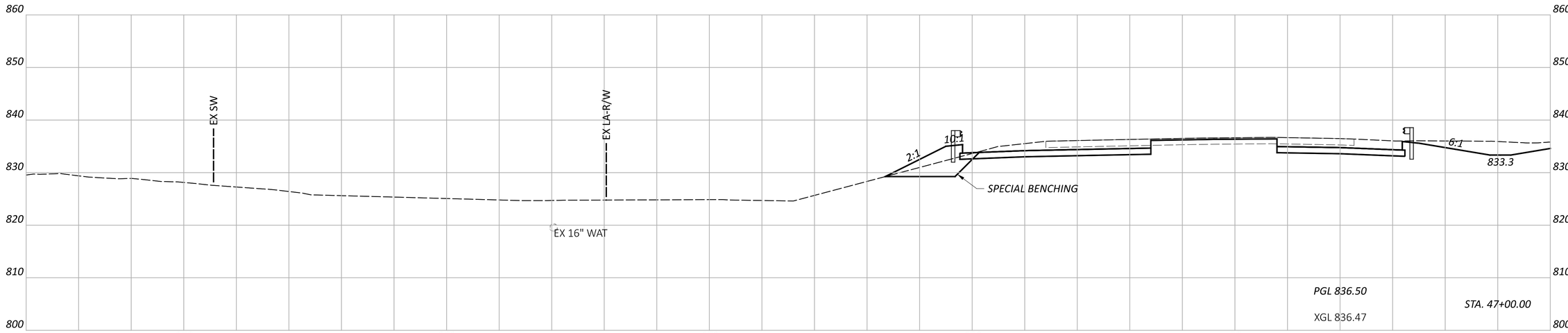

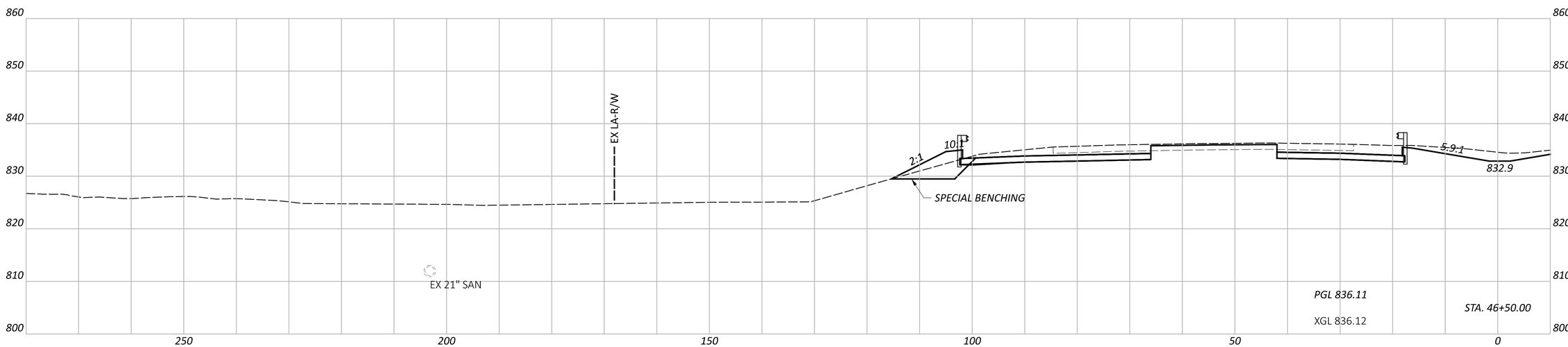

CROSS SECTIONS - IR 70 WB
STA. 46+50.00 TO STA. 47+00.00

FAI/LIC-IR 70-0.00/0.00

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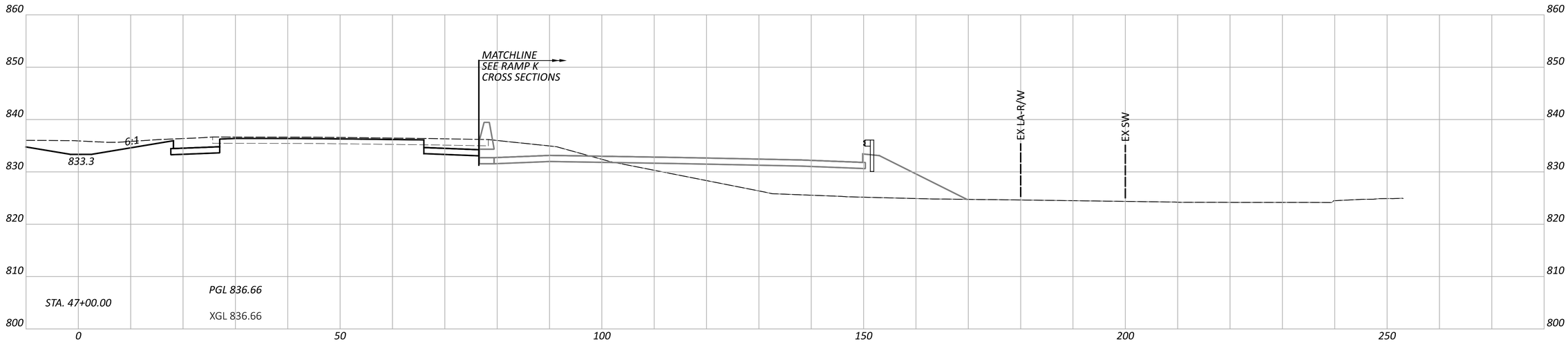
DESIGN AGENCY
STRUCTUREPOINT INC.

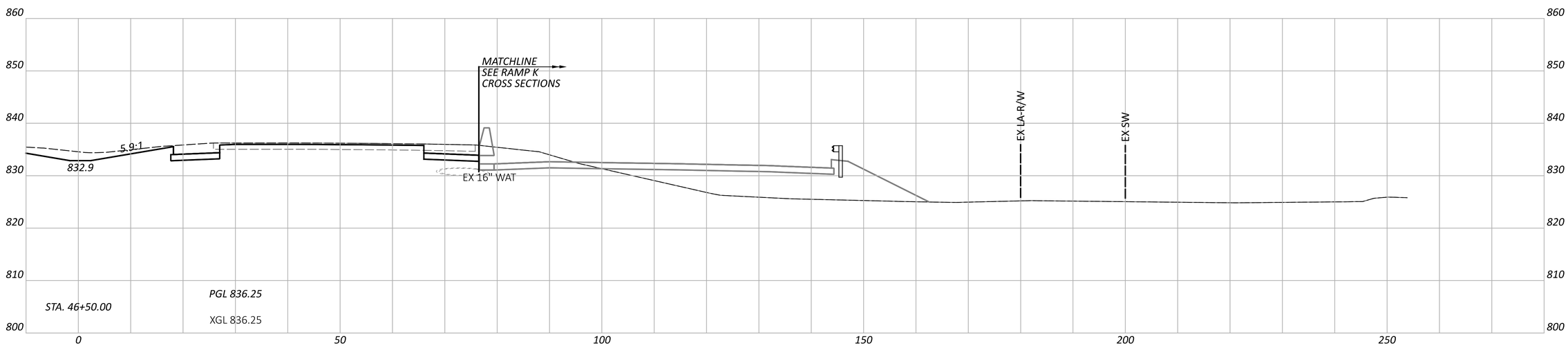
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0482 TOTAL P.1556





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STA. 46+50.00 TO STA. 47+00.00

FAI/LIC-IR 70-0.00/0.00

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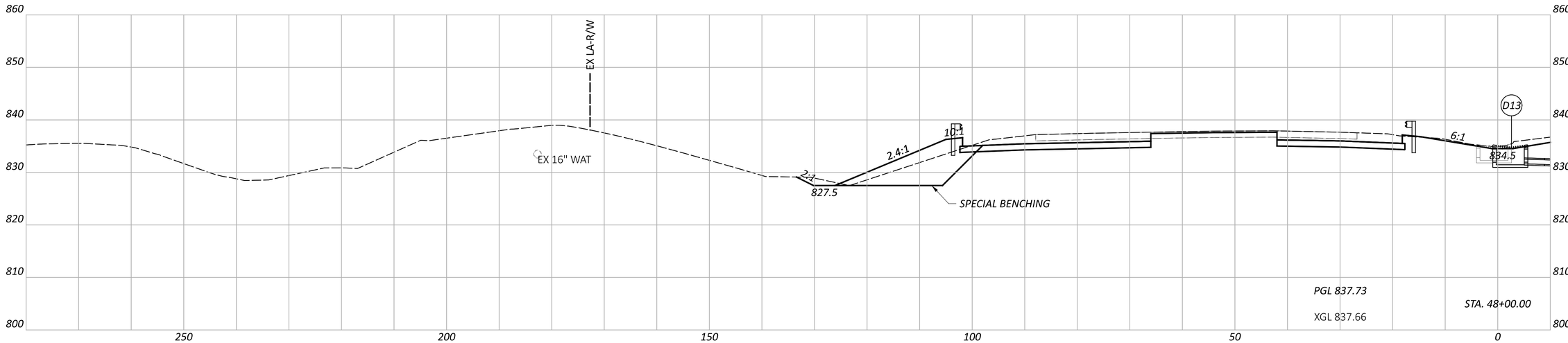
DESIGN AGENCY
STRUCTUREPOINT INC.

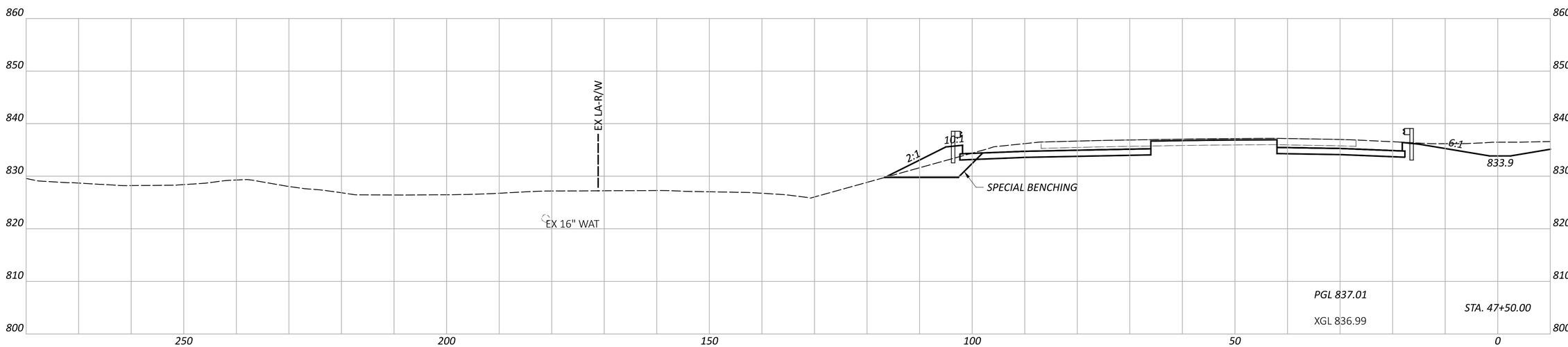
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0483 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 47+50.00 TO STA. 48+00.00

FAI/LIC-IR 70-0.00/0.00

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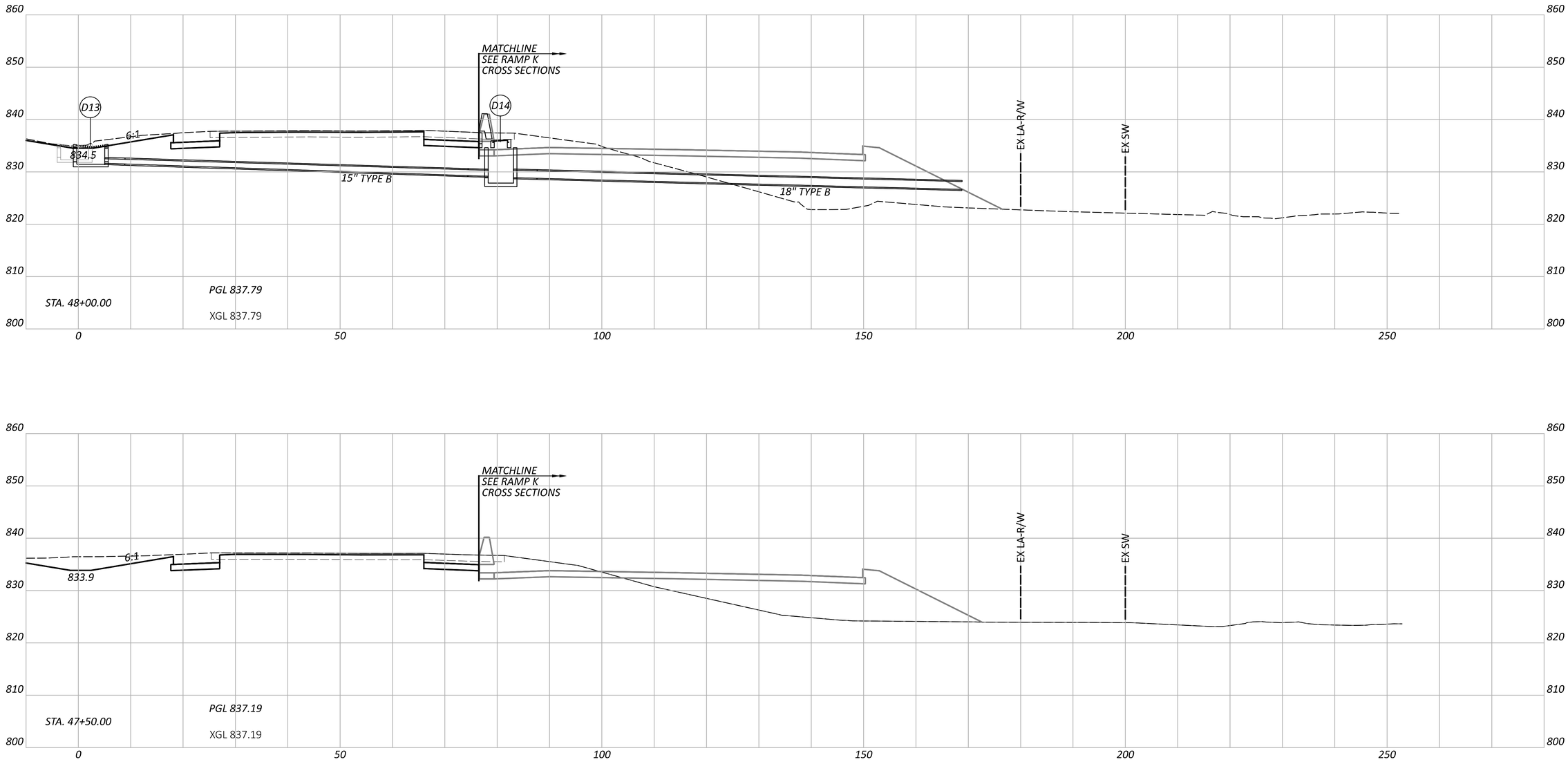
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0484
TOTAL	P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 47+50.00 TO STA. 48+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0485 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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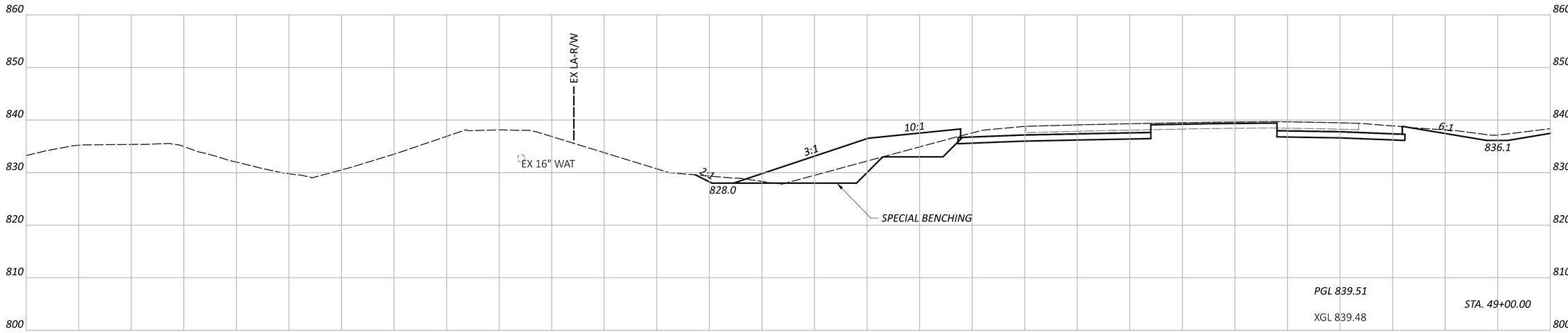

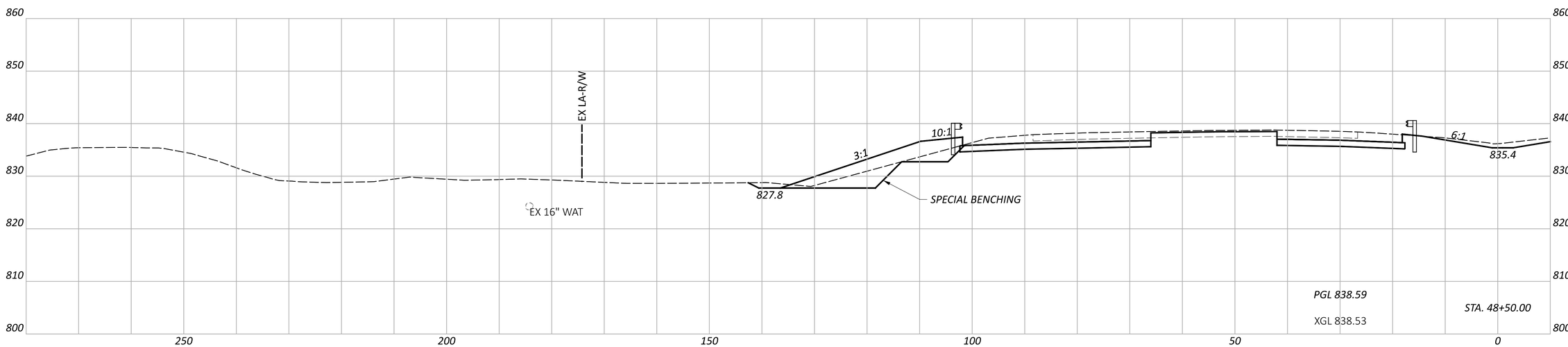

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STA. 48+50.00 TO STA. 49+00.00

FAI/LIC-IR 70-0.00/0.00

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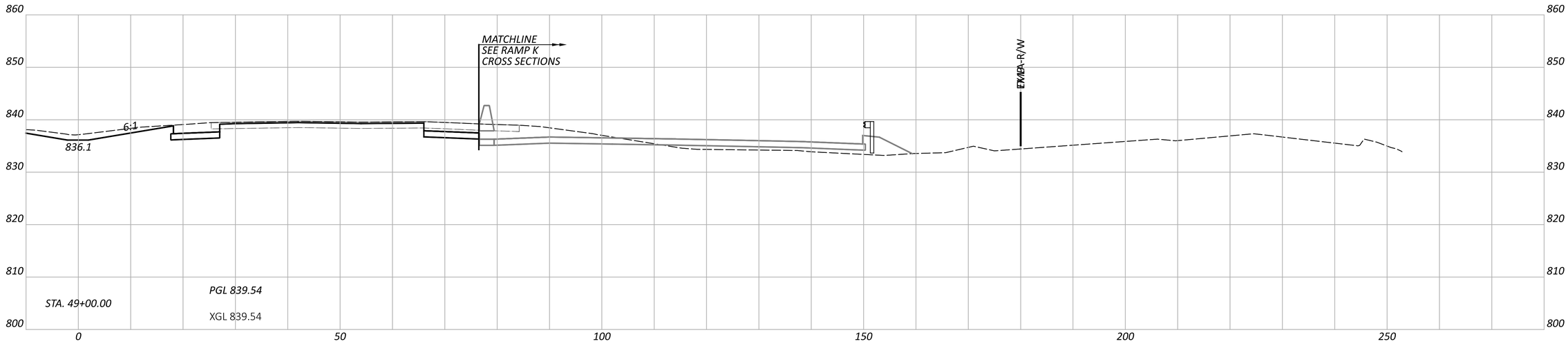
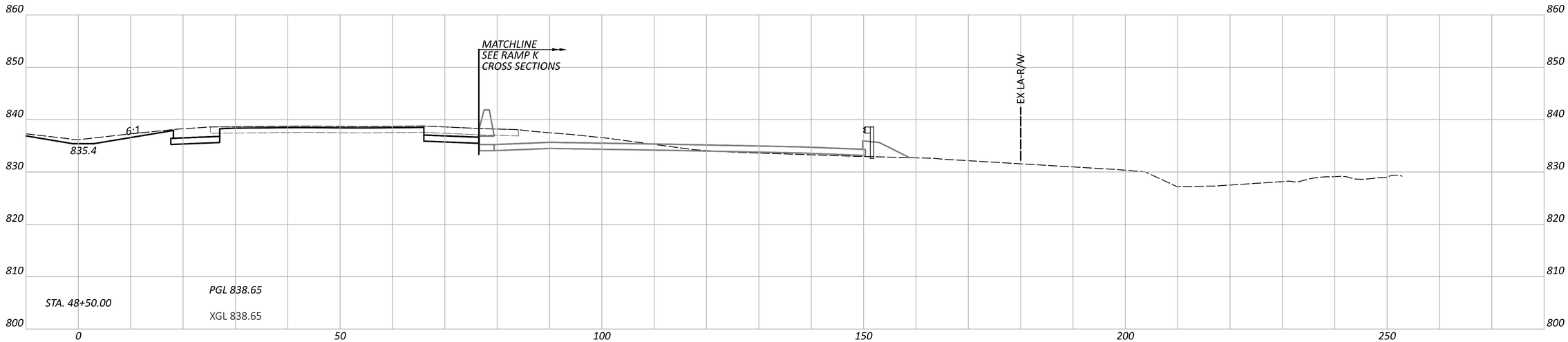
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0486
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 48+50.00 TO STA. 49+00.00

FAI/LIC-IR 70-0.00/0.00

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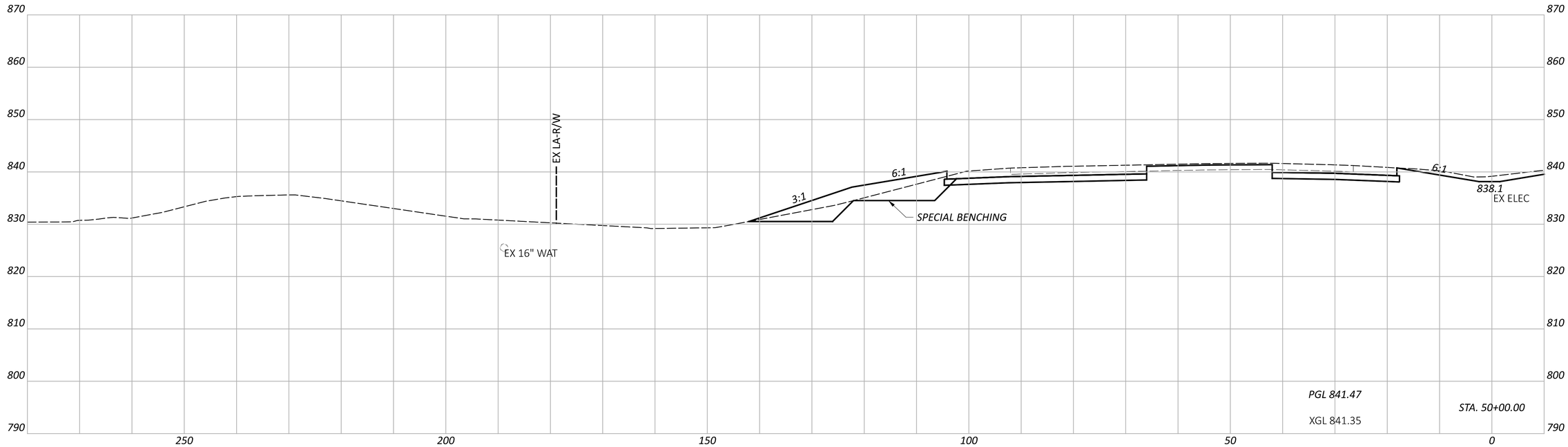
DESIGN AGENCY
STRUCTUREPOINT INC.

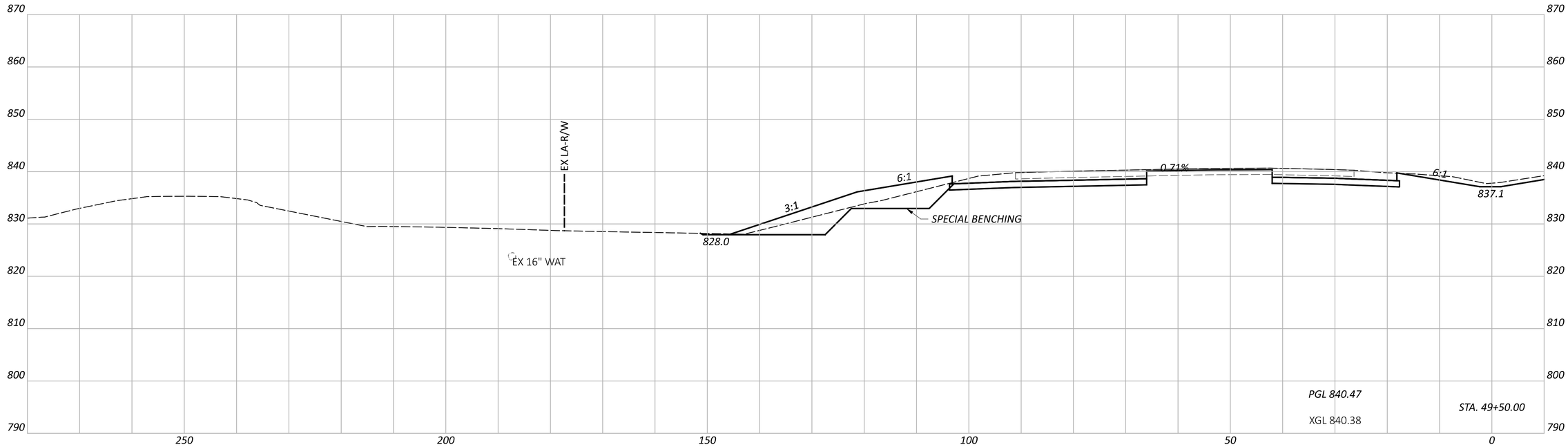
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0487 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 49+50.00 TO STA. 50+00.00

FAI/LIC-IR 70-0.00/0.00

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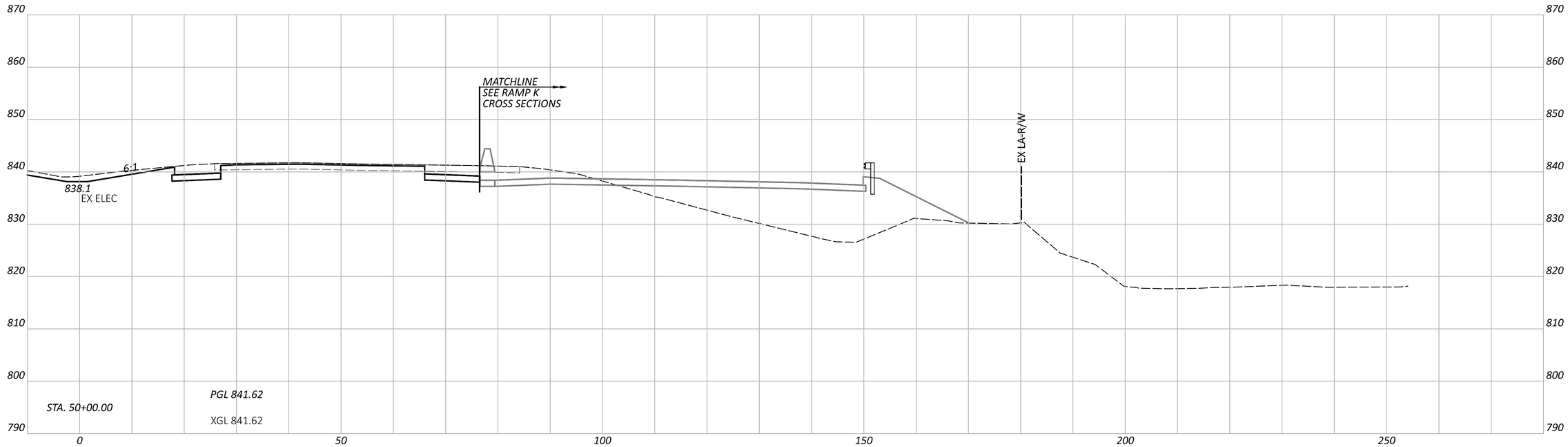
DESIGN AGENCY
STRUCTUREPOINT LLC

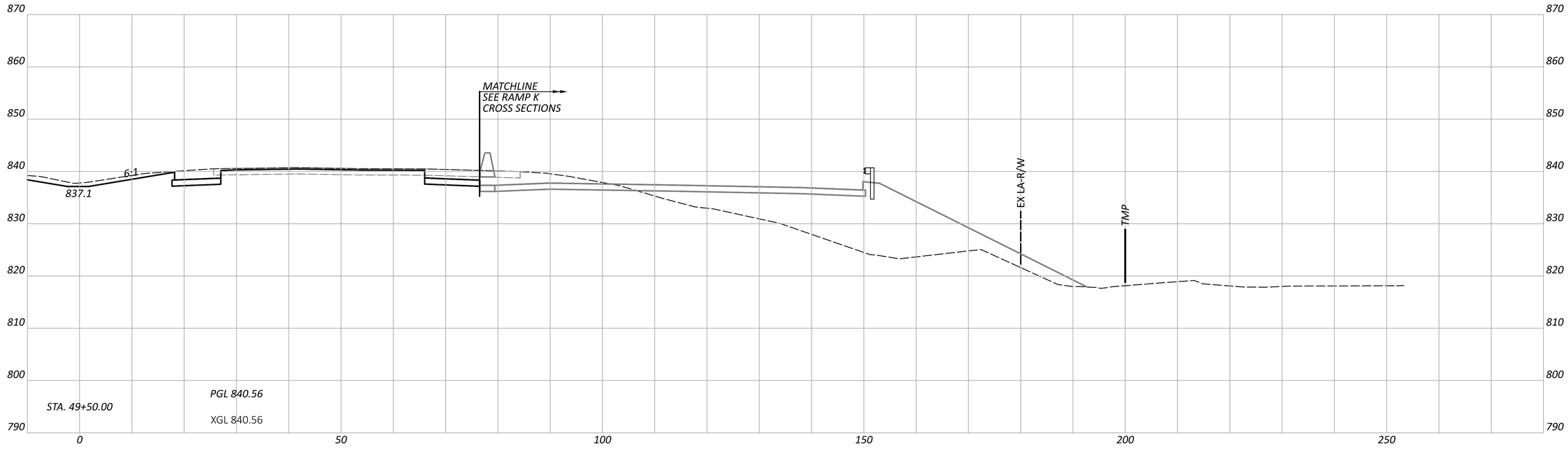
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0488 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

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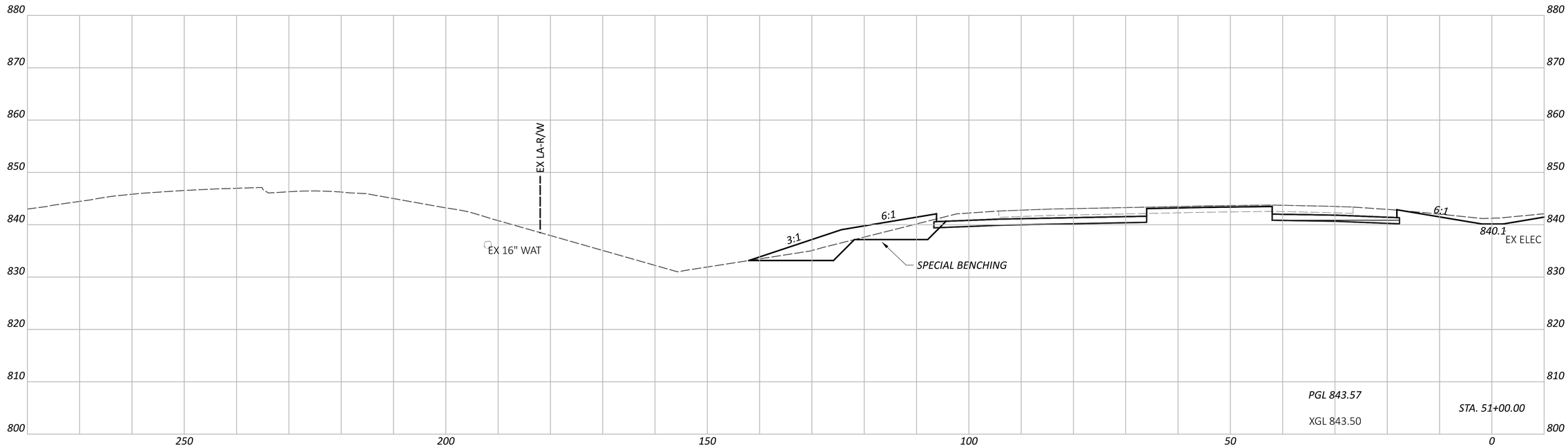
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

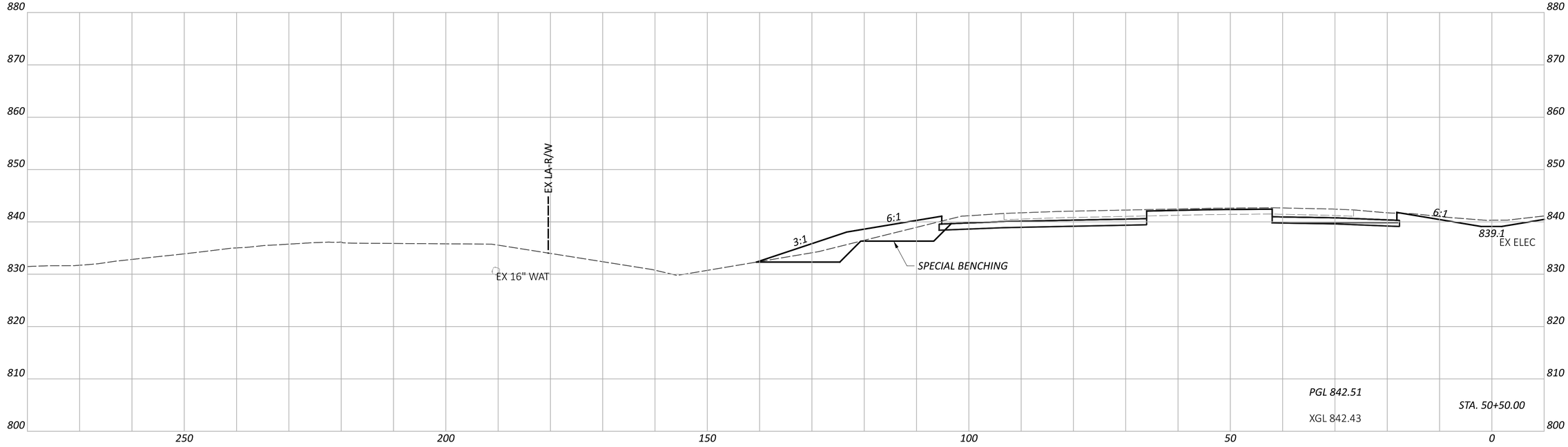
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0489 | TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 50+50.00 TO STA. 51+00.00

FAI/LIC-IR 70-0.00/0.00

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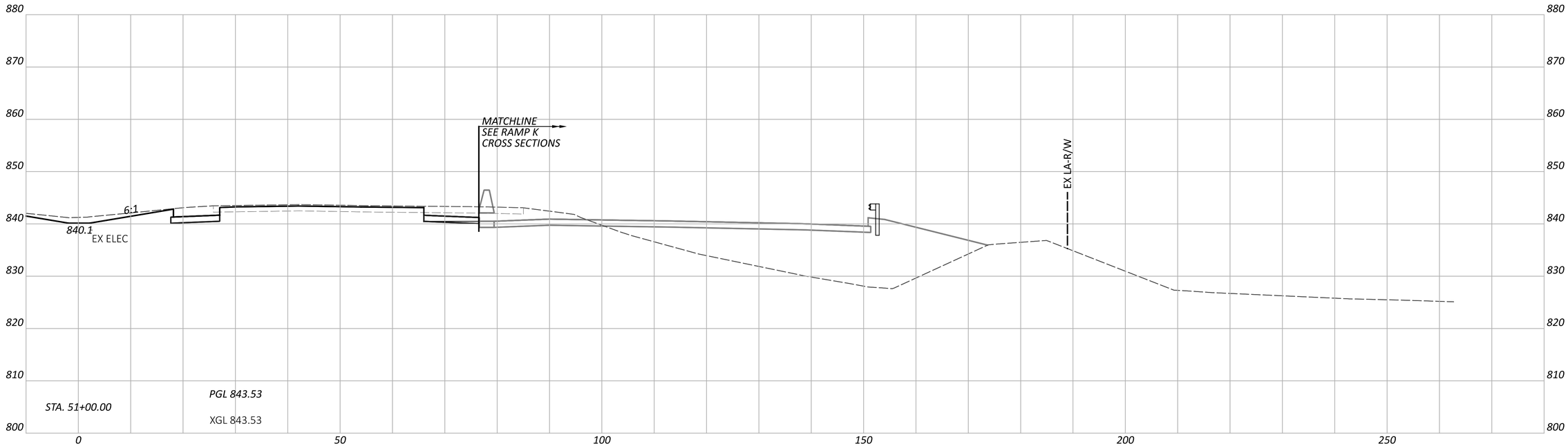
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

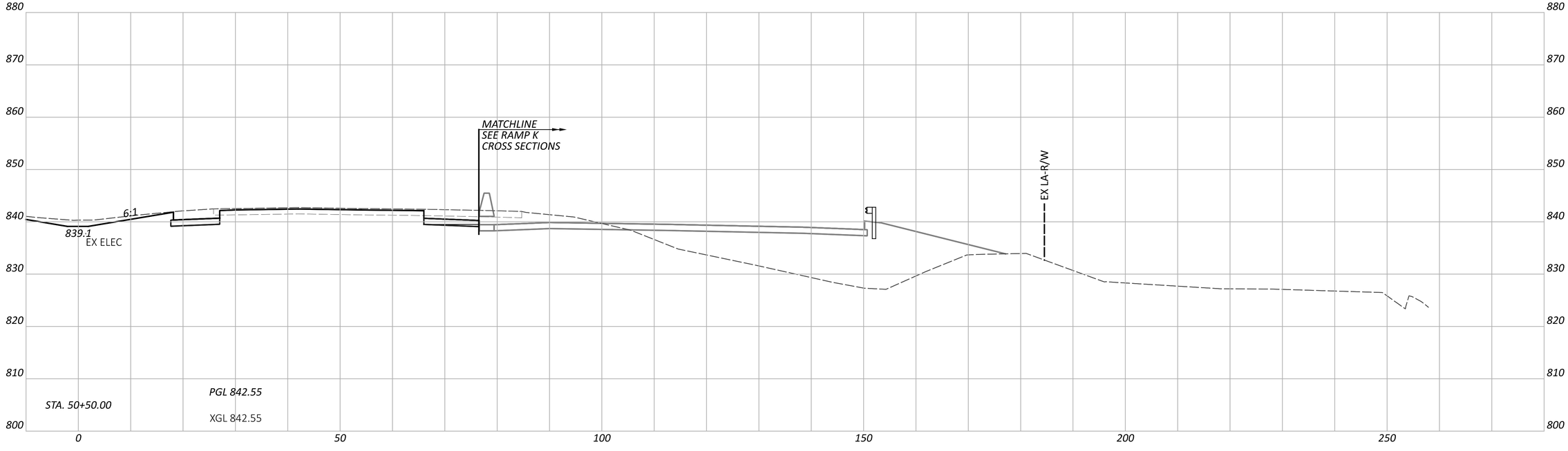
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0490 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 50+50.00 TO STA. 51+00.00

FAI/LIC-IR 70-0.00/0.00

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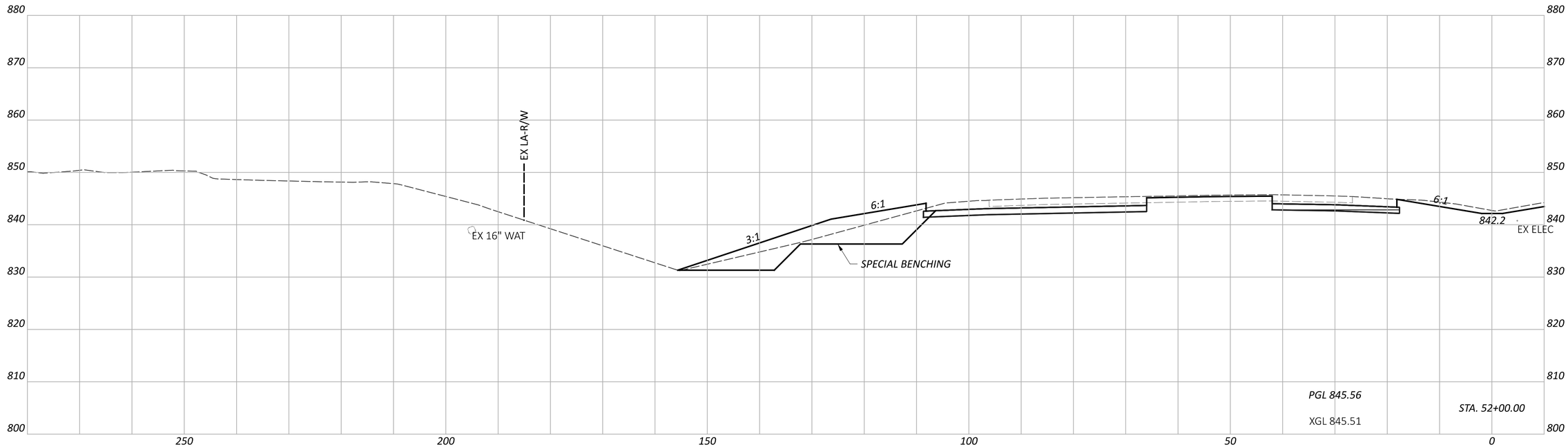
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

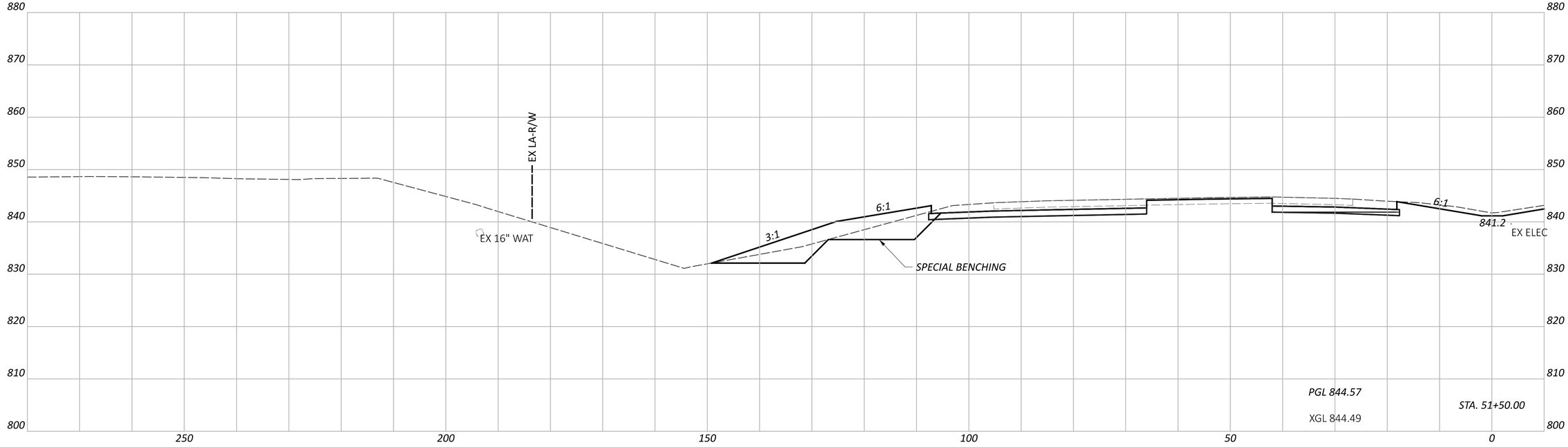
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0491 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 51+50.00 TO STA. 52+00.00

FAI/LIC-IR 70-0.00/0.00

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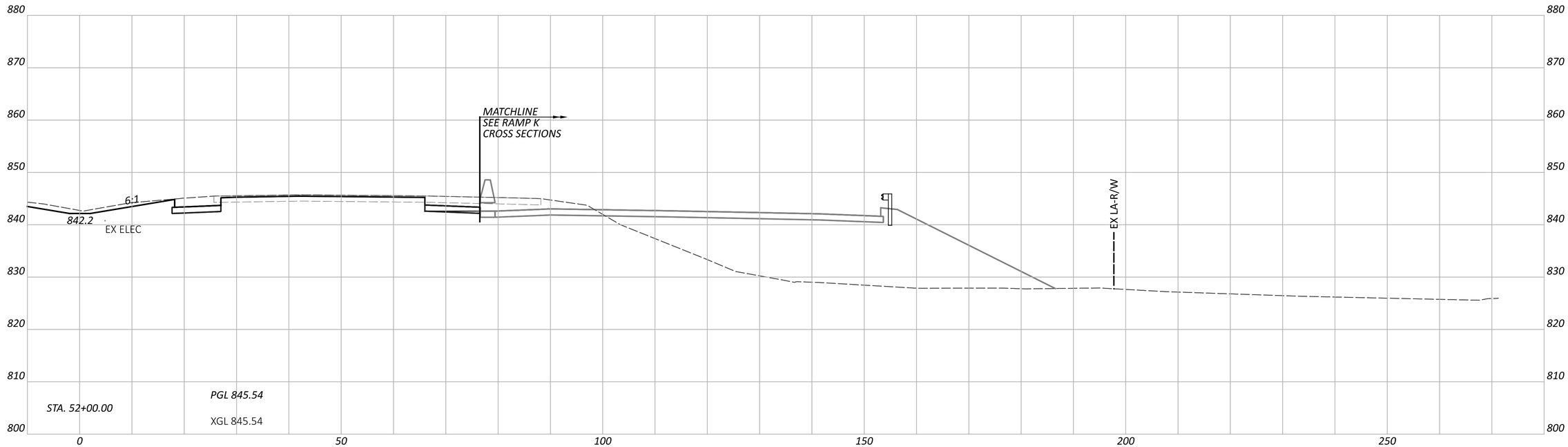
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

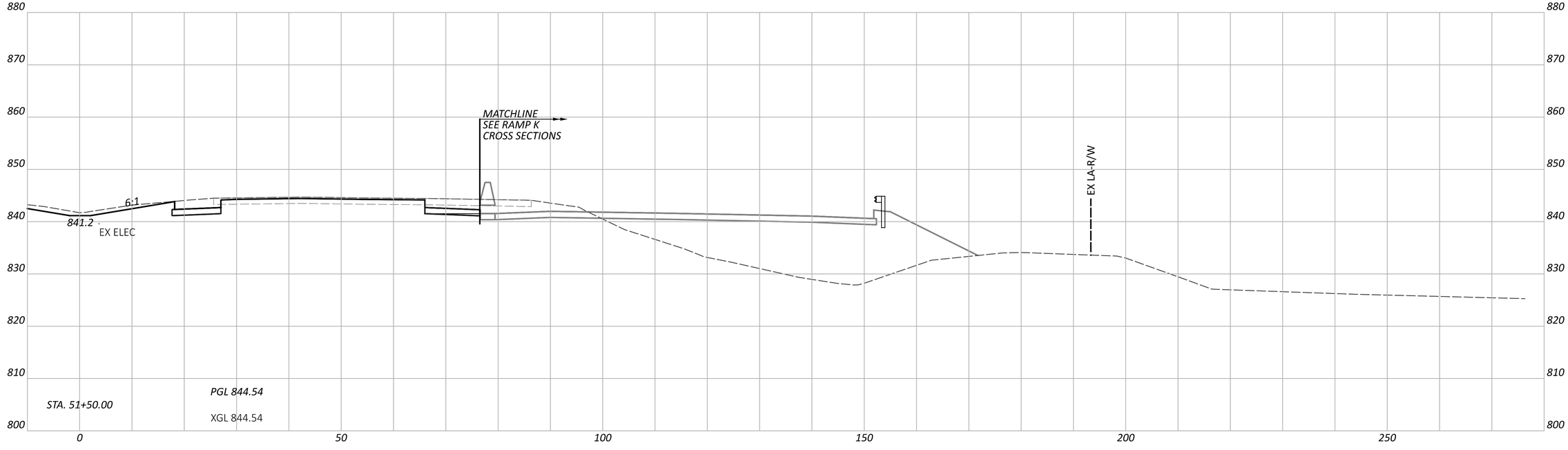
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0492 TOTAL P.1556





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STA. 51+50.00 TO STA. 52+00.00

FAI/LIC-IR 70-0.00/0.00

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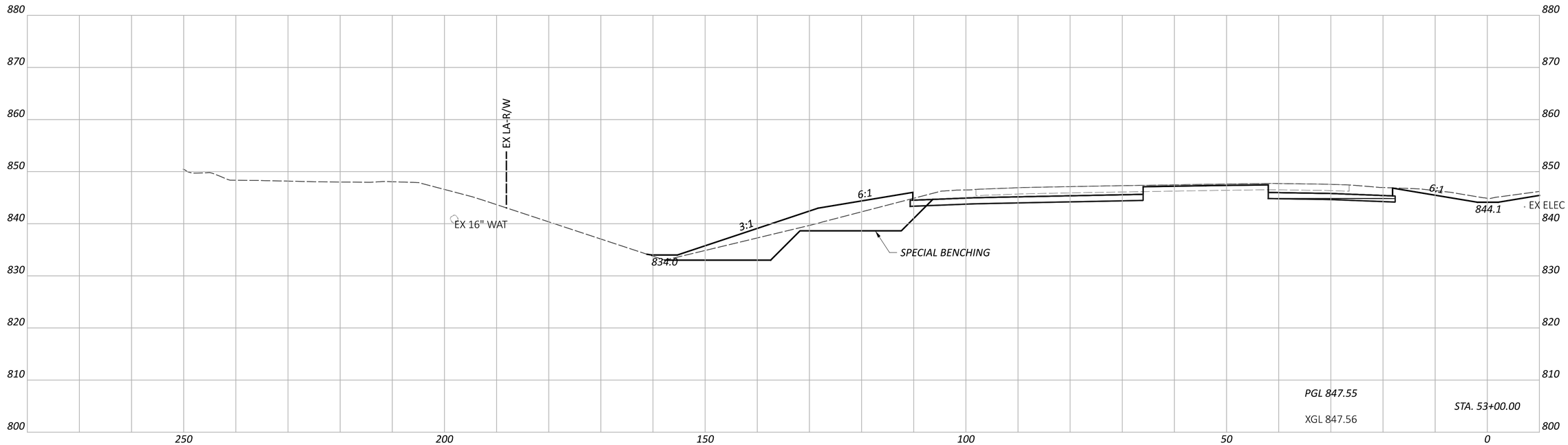
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

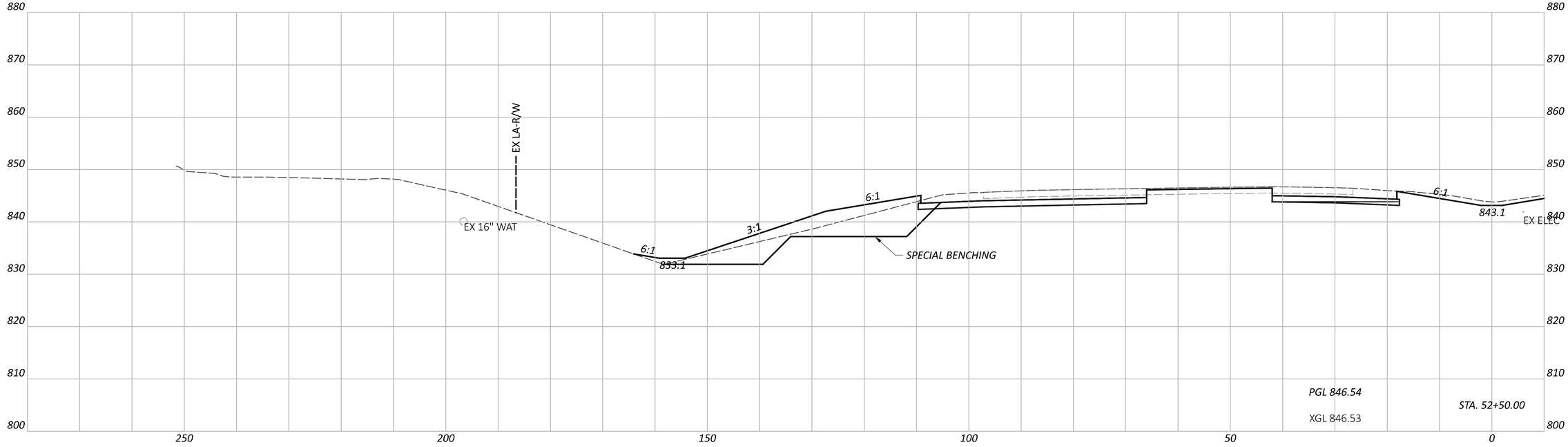
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0493 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 52+50.00 TO STA. 53+00.00

FAI/LIC-IR 70-0.00/0.00

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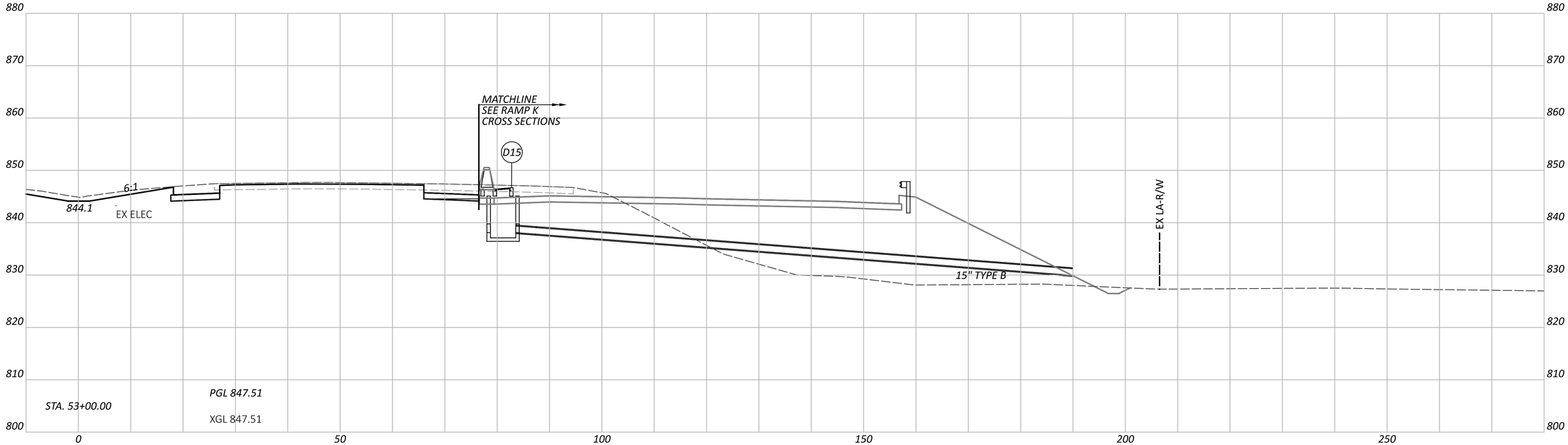
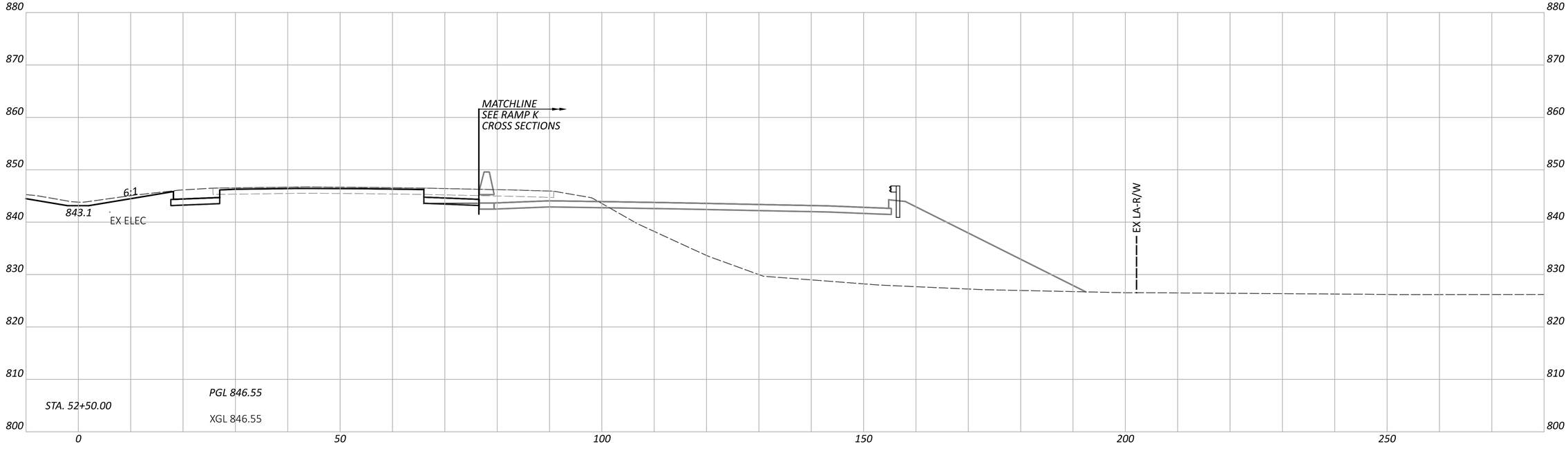
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0494
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 52+50.00 TO STA. 53+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 52+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:42:38 AM USER: brieder
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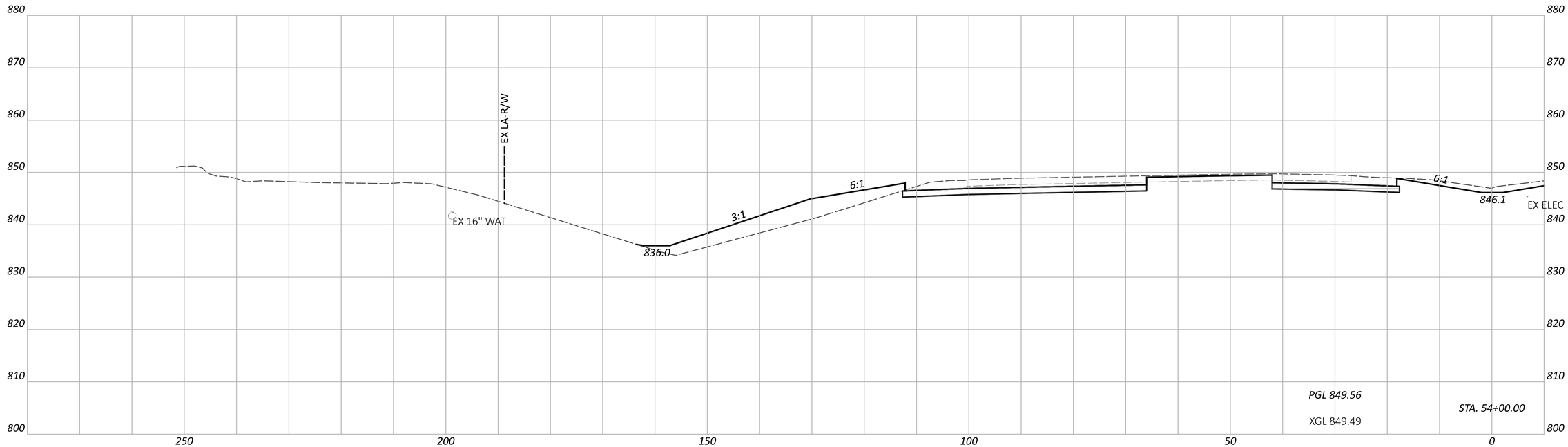
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

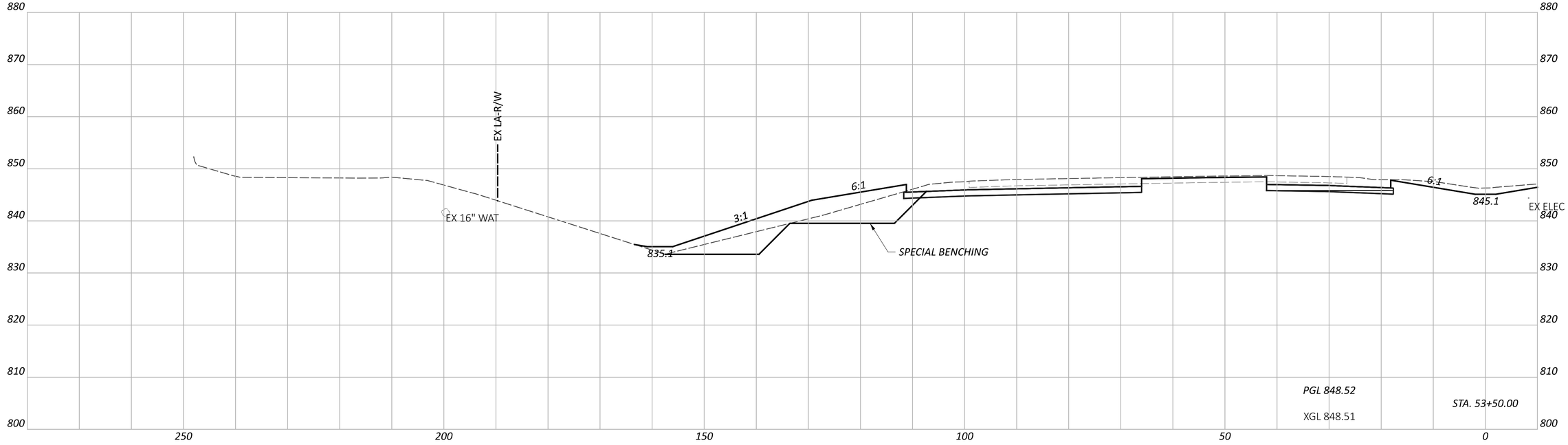
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0495 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 53+50.00 TO STA. 54+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 53+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:42:47 AM USER: brieder
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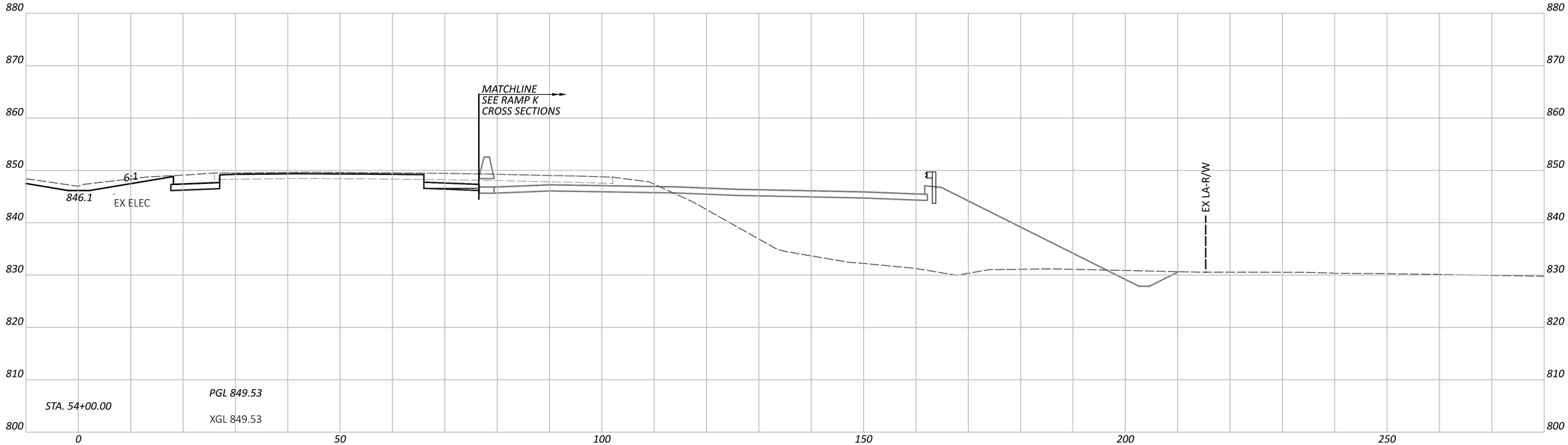
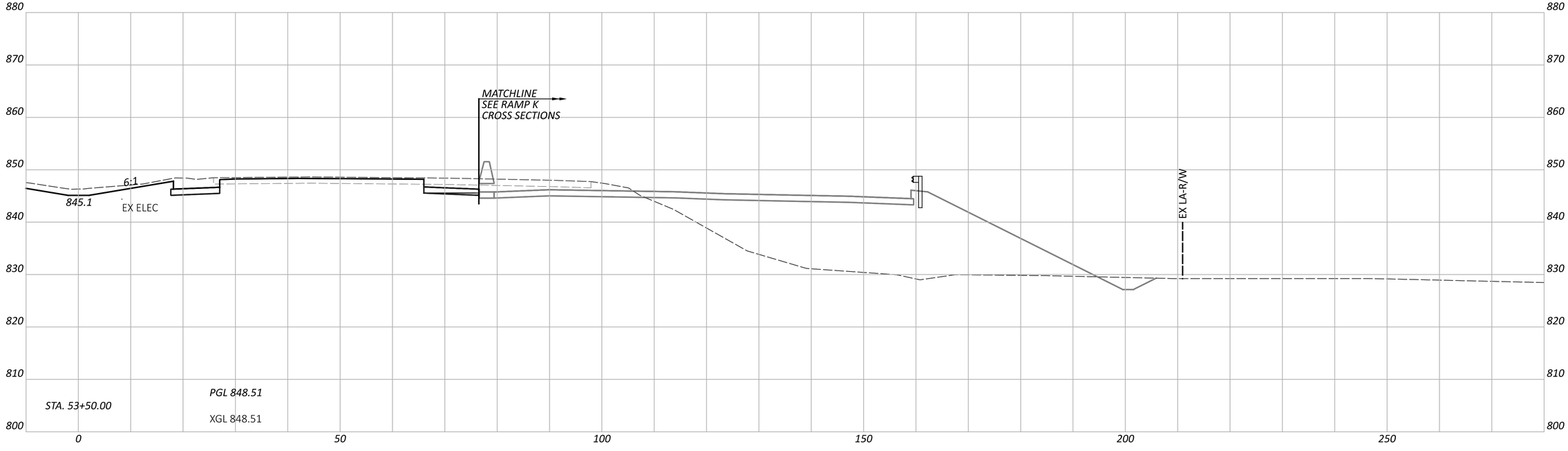
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0496
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 53+50.00 TO STA. 54+00.00

FAI/LIC-IR 70-0.00/0.00

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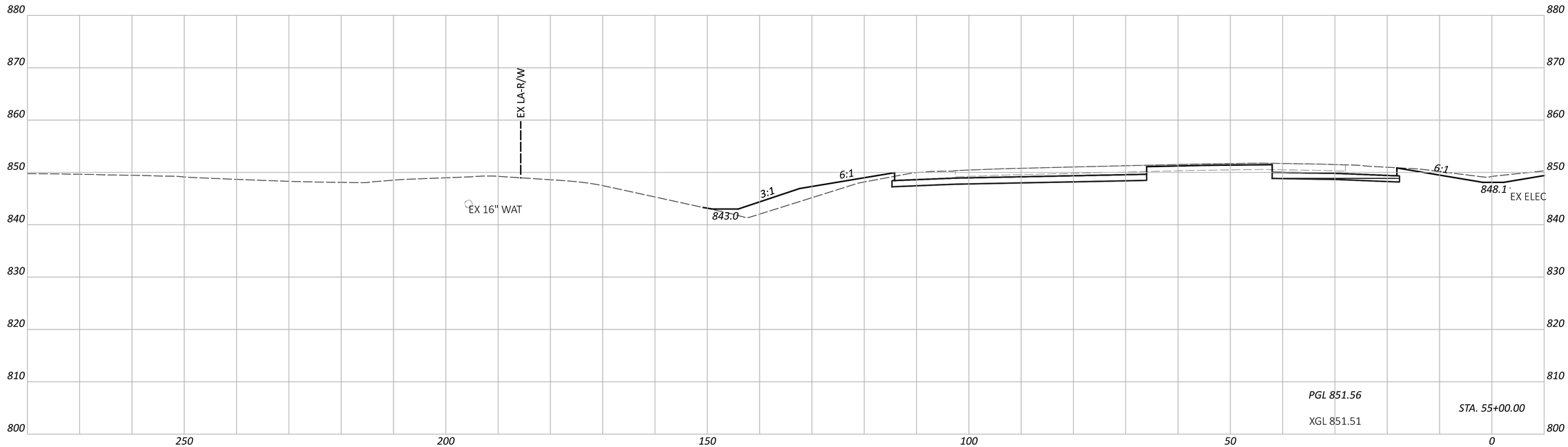
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

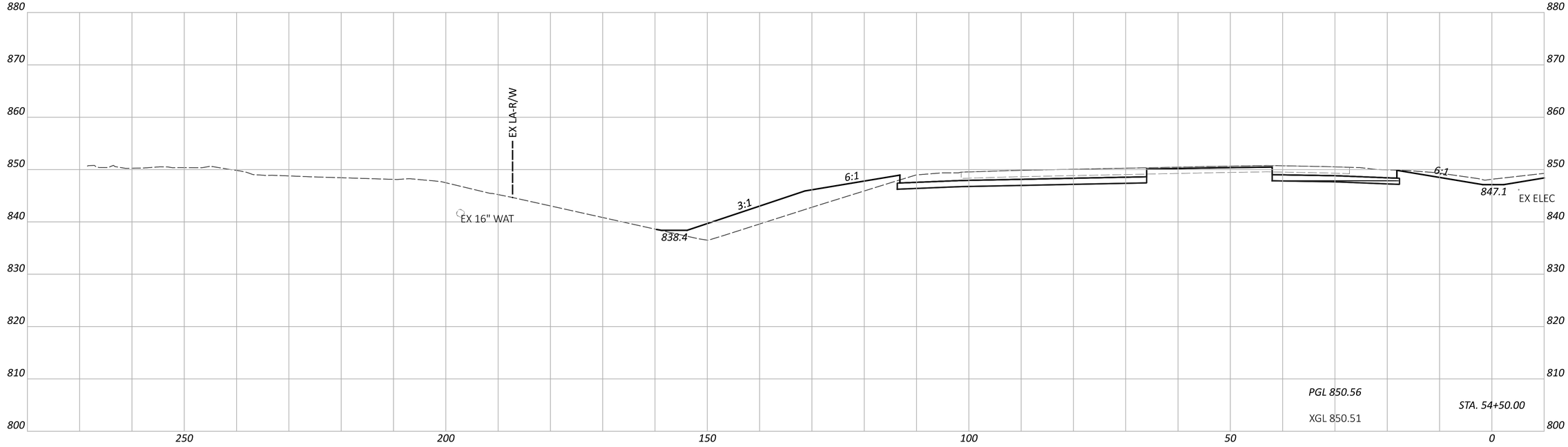
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0497 TOTAL P.1556





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FAI/LIC-IR 70-0.00/0.00

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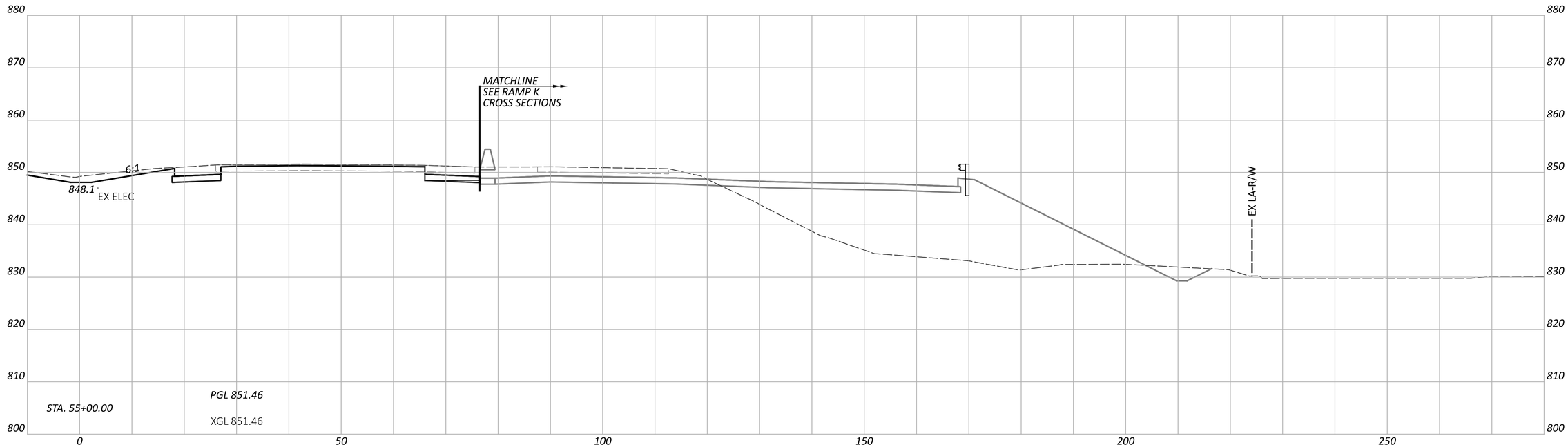
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

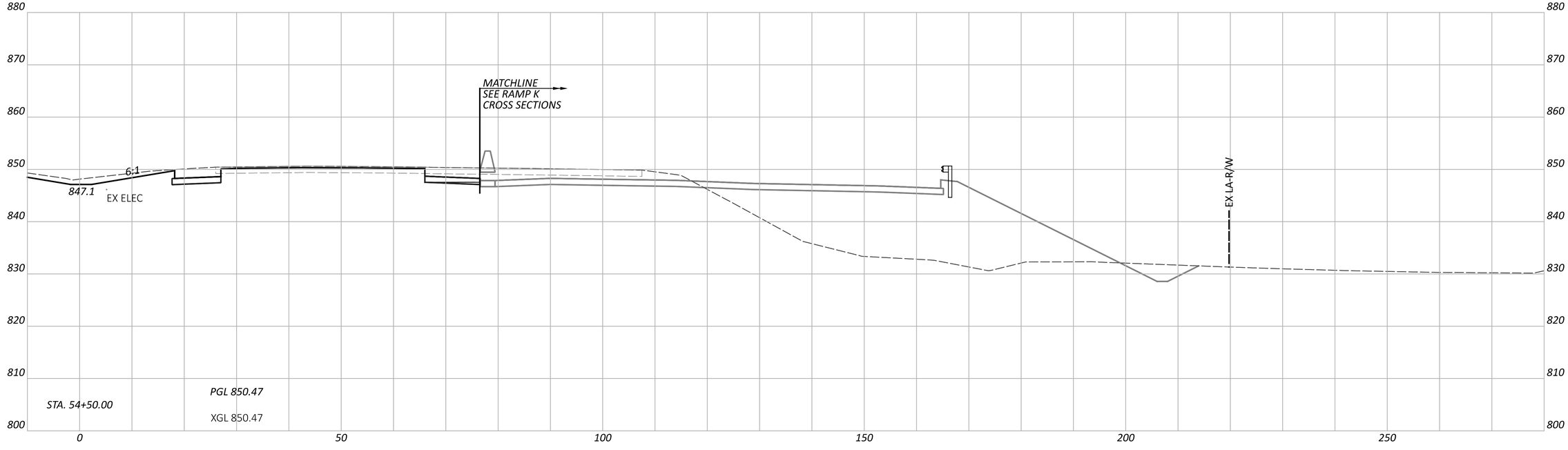
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0498 TOTAL P.1556





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FAI/LIC-IR 70-0.00/0.00

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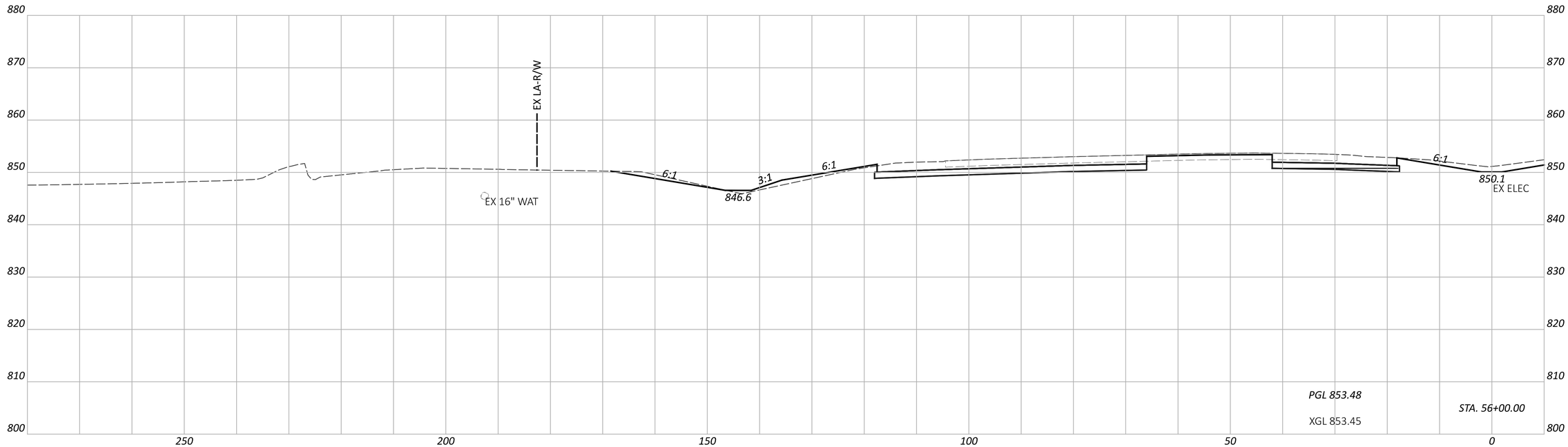
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

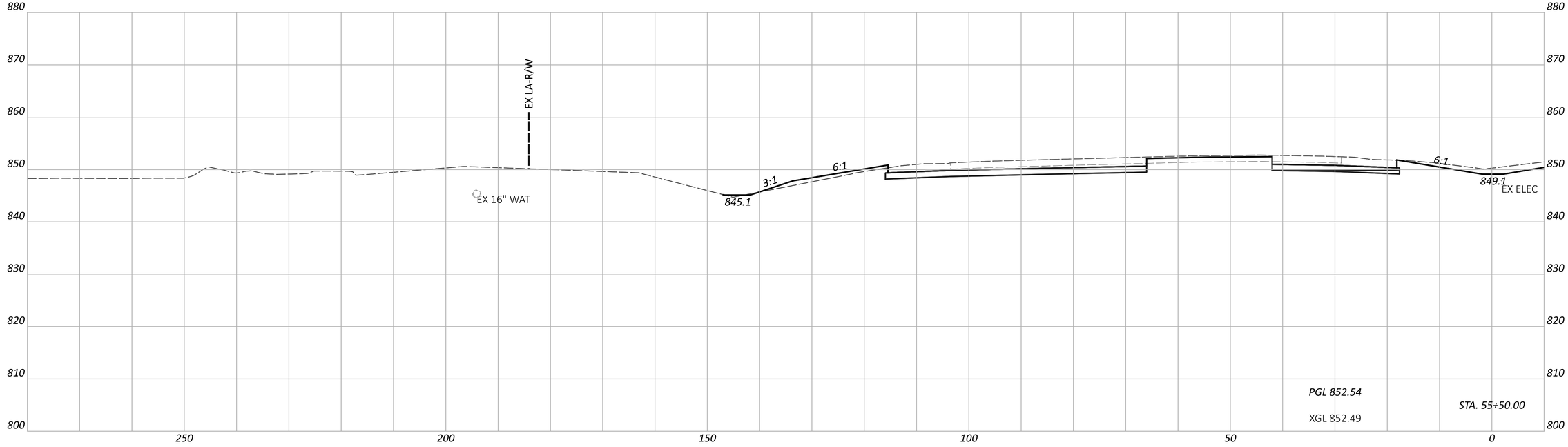
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0499 TOTAL P.1556





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STA. 55+50.00 TO STA. 56+00.00

FAI/LIC-IR 70-0.00/0.00

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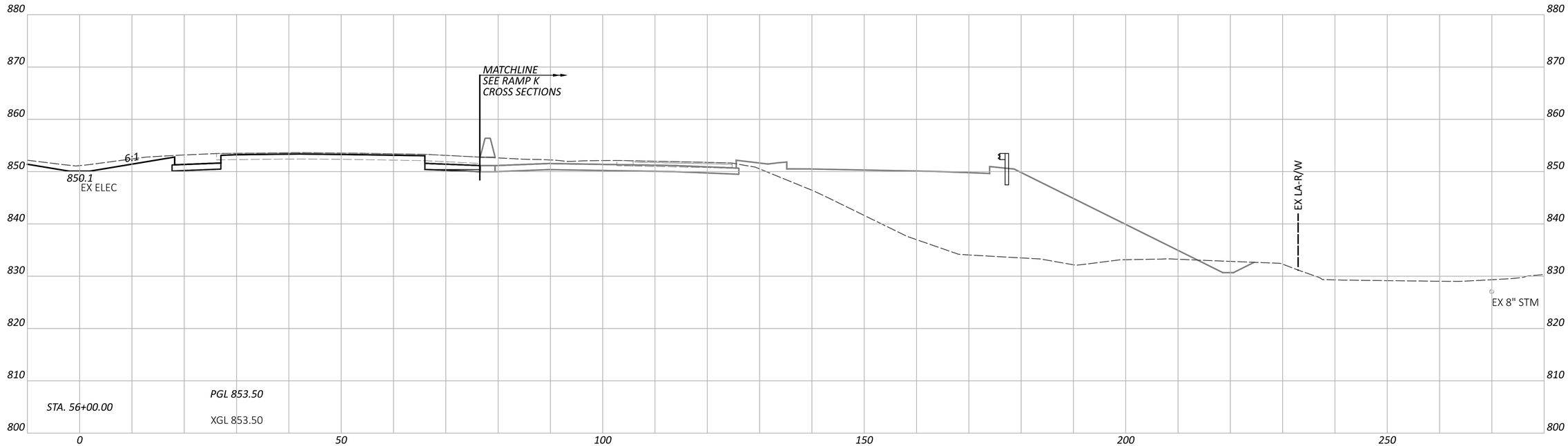
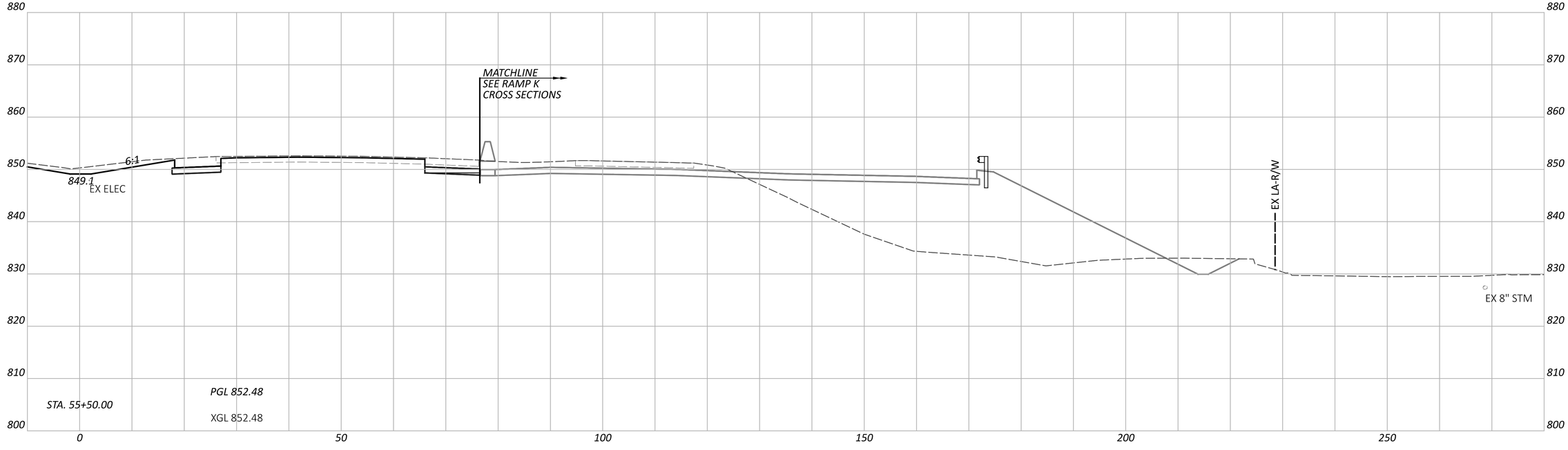
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0500
TOTAL	P.1556





CROSS SECTIONS - IR 70 EB
STA. 55+50.00 TO STA. 56+00.00

FAI/LIC-IR 70-0.00/0.00

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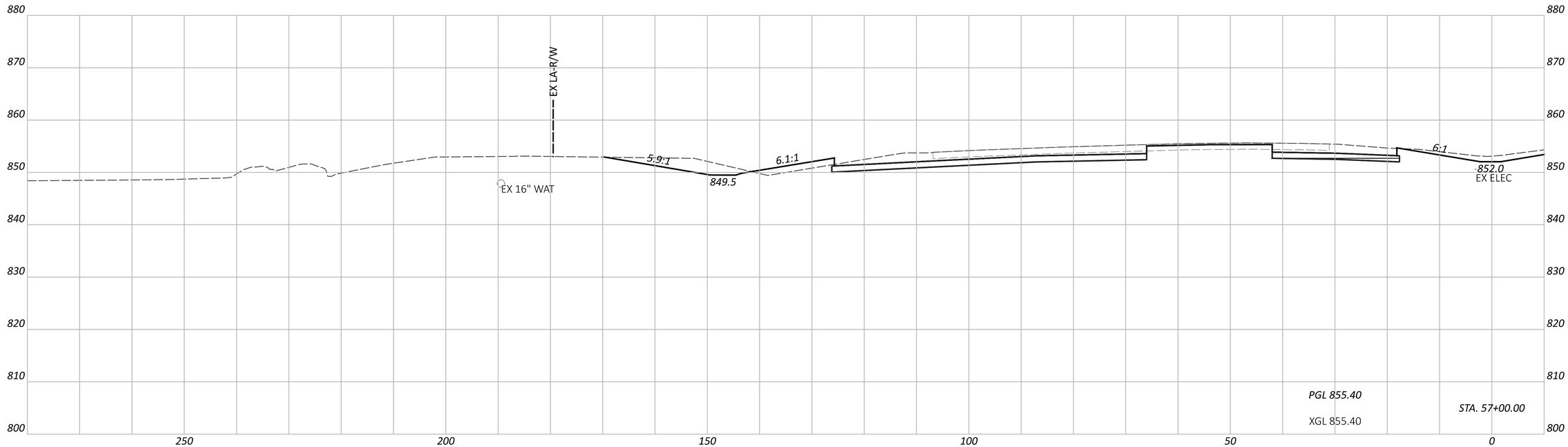
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

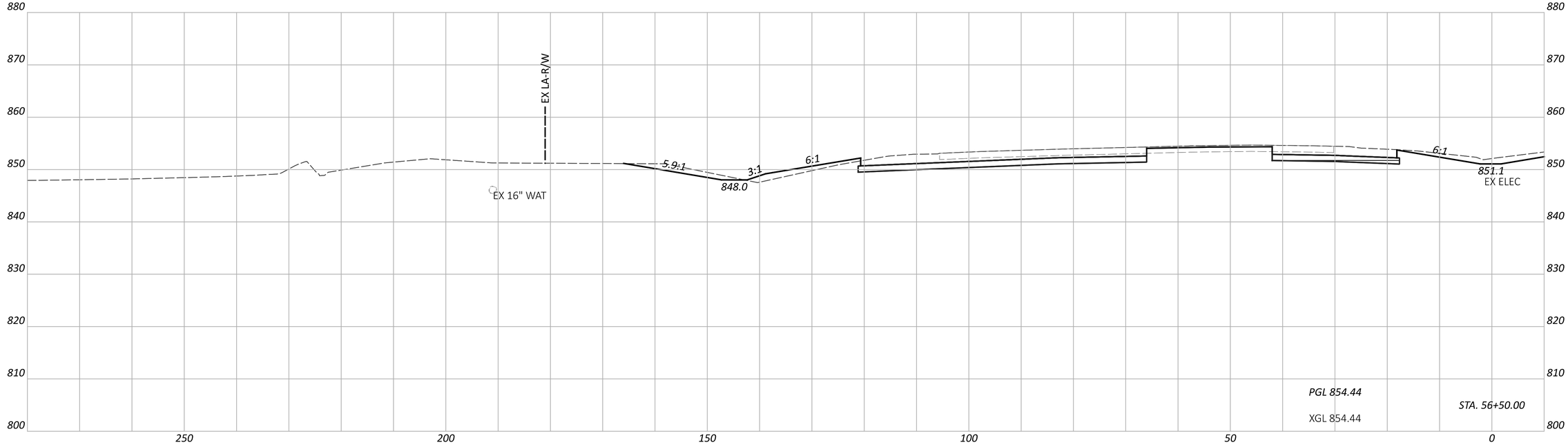
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0501 TOTAL P.1556





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STA. 56+50.00 TO STA. 57+00.00

FAI/LIC-IR 70-0.00/0.00

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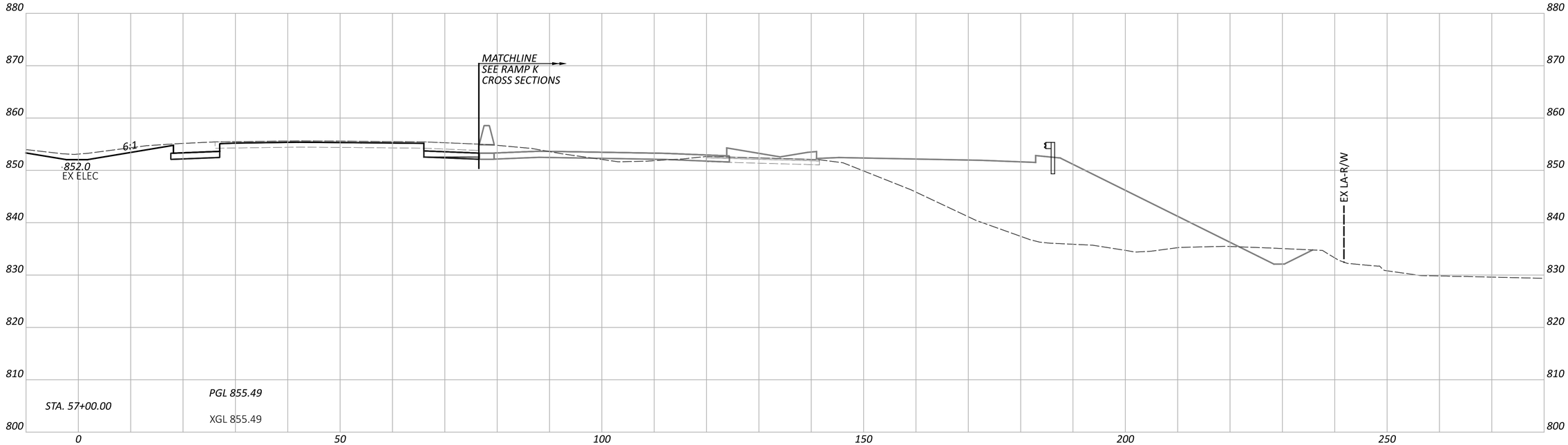
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

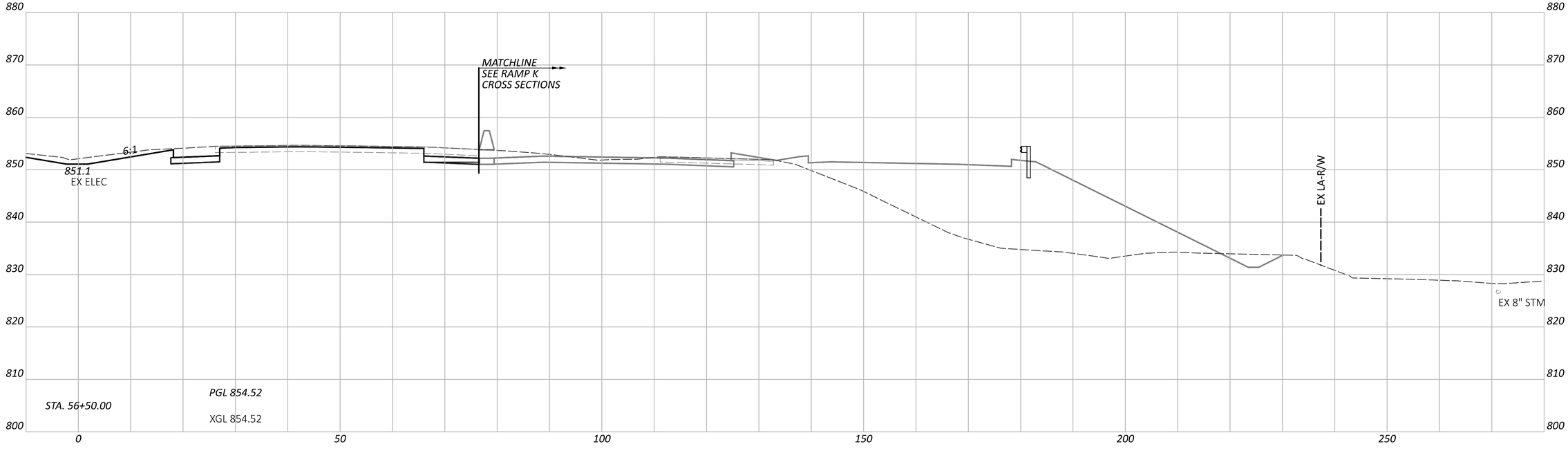
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0502 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

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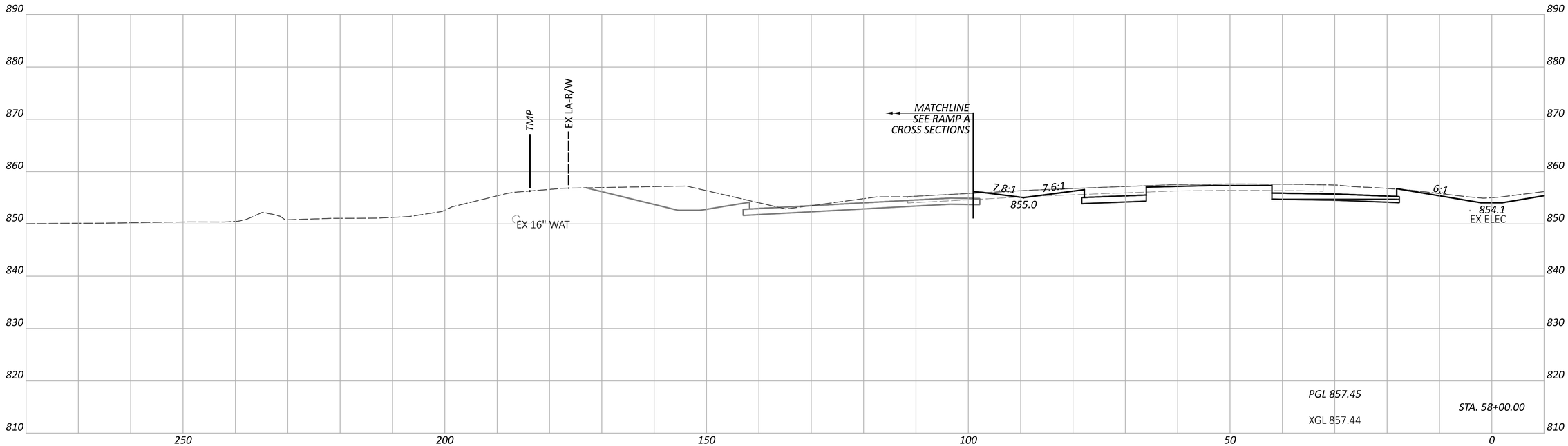
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

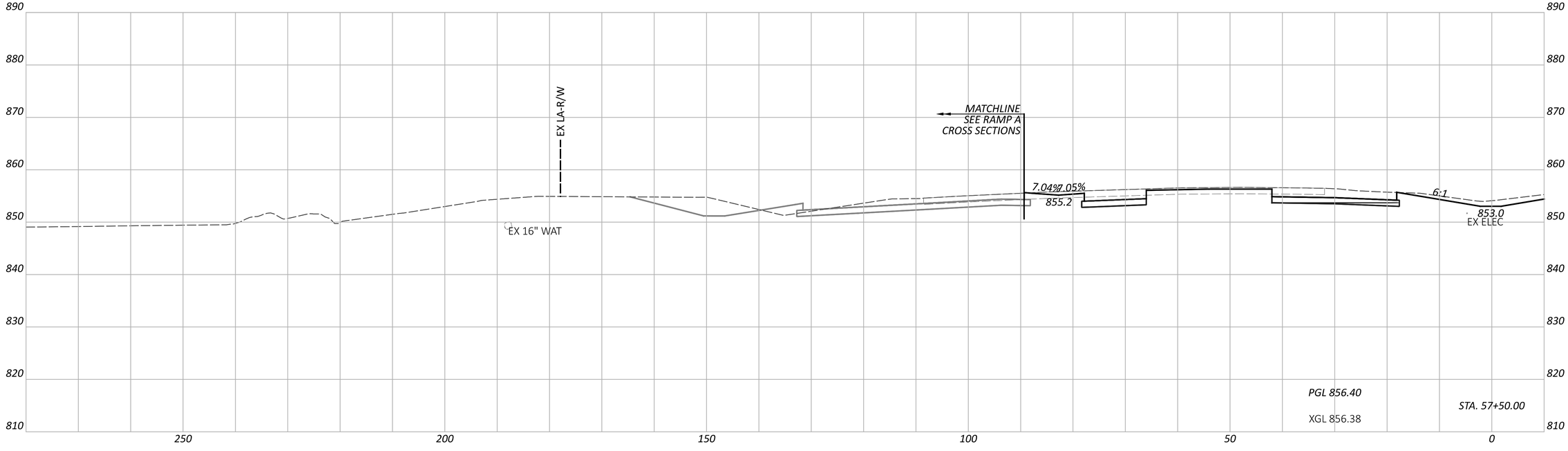
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0503 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 57+50.00 TO STA. 58+00.00

FAI/LIC-IR 70-0.00/0.00

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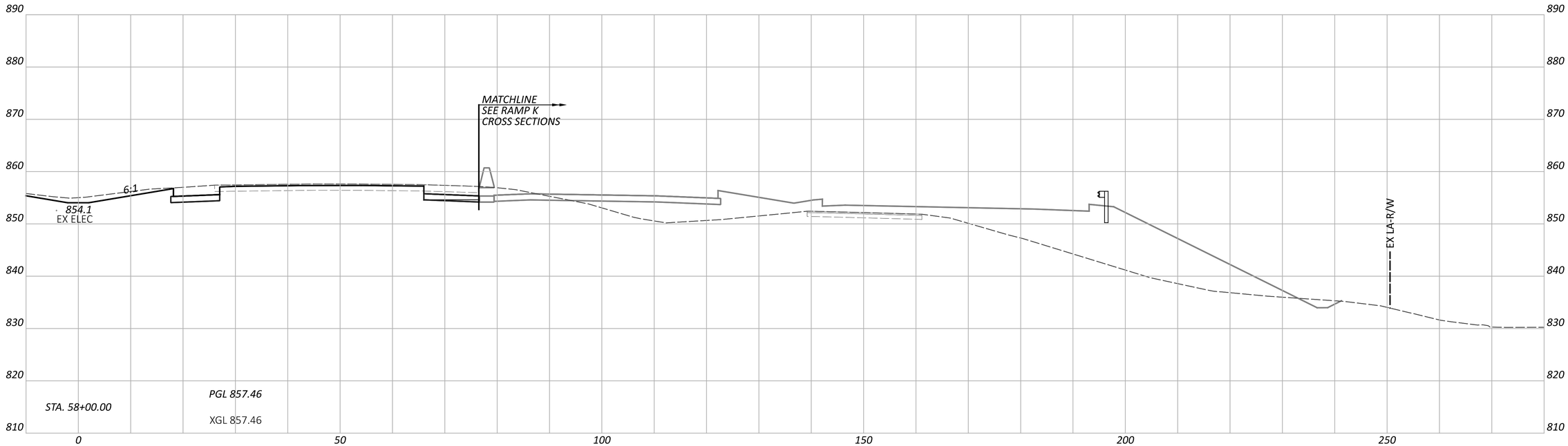
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

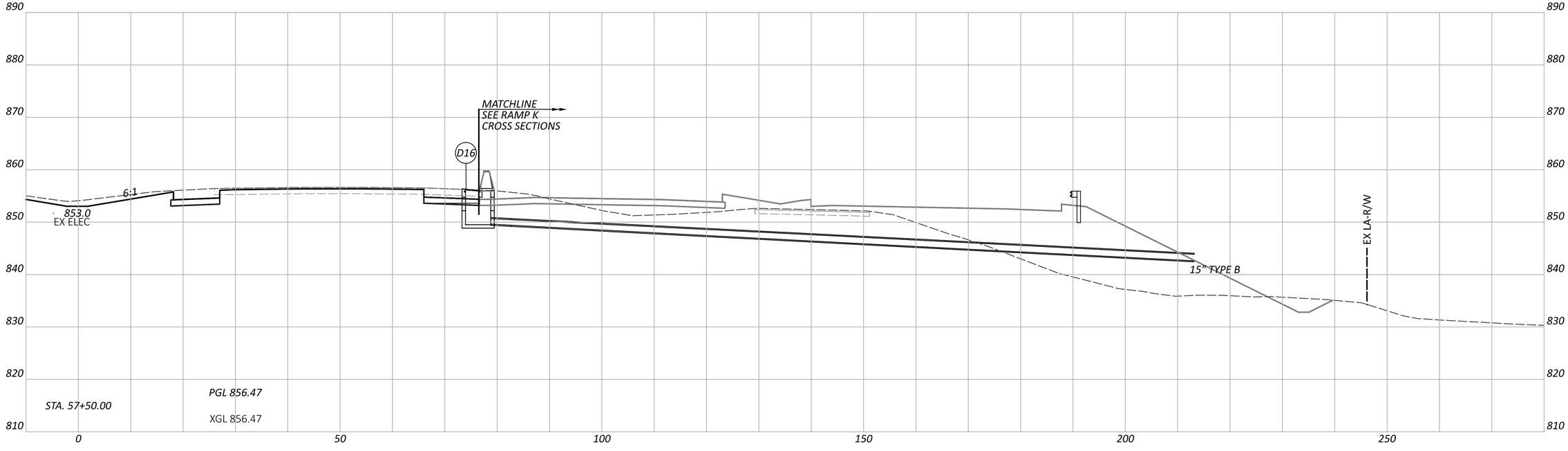
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0504 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 57+50.00 TO STA. 58+00.00

FAI/LIC-IR 70-0.00/0.00

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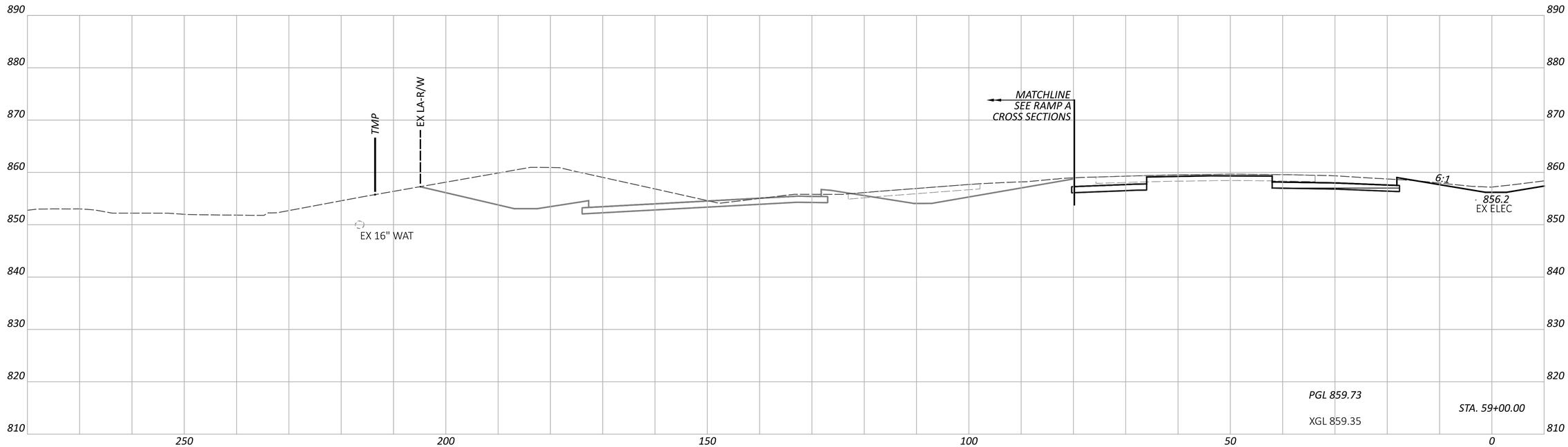
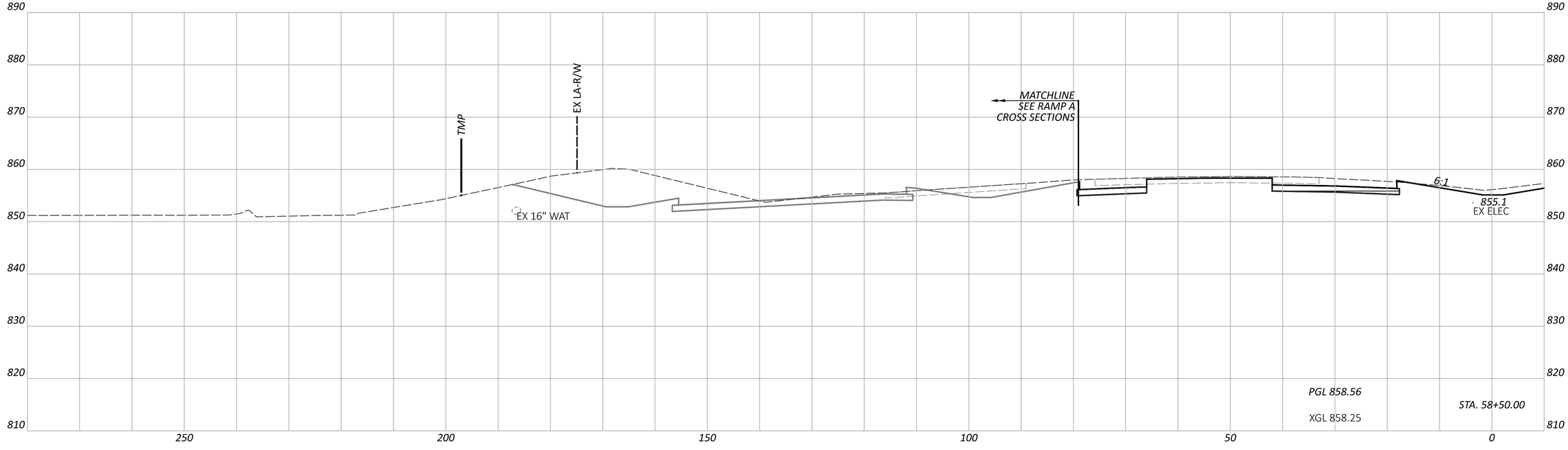
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0505
TOTAL	P.1556





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FAI/LIC-IR 70-0.00/0.00

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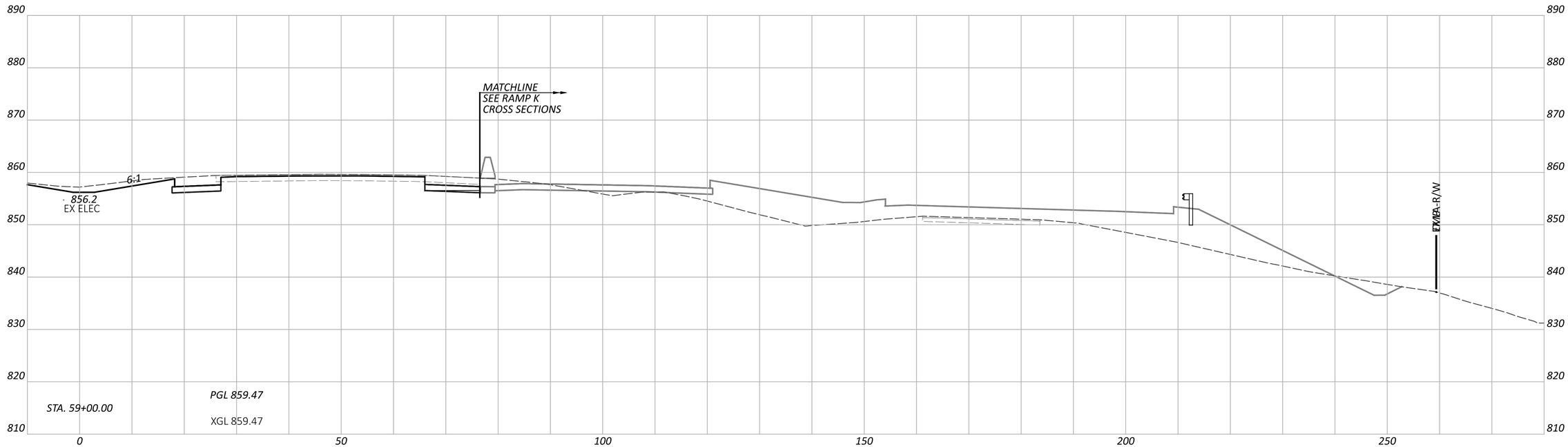
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

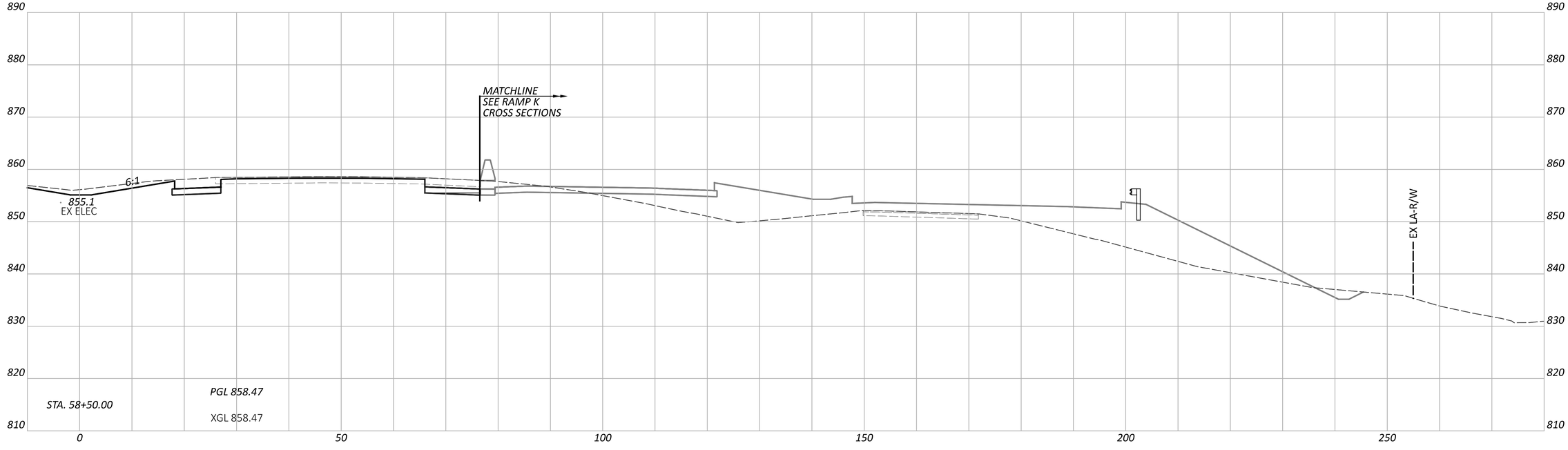
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0506 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 58+50.00 TO STA. 59+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 58+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:43:32 AM USER: brieder
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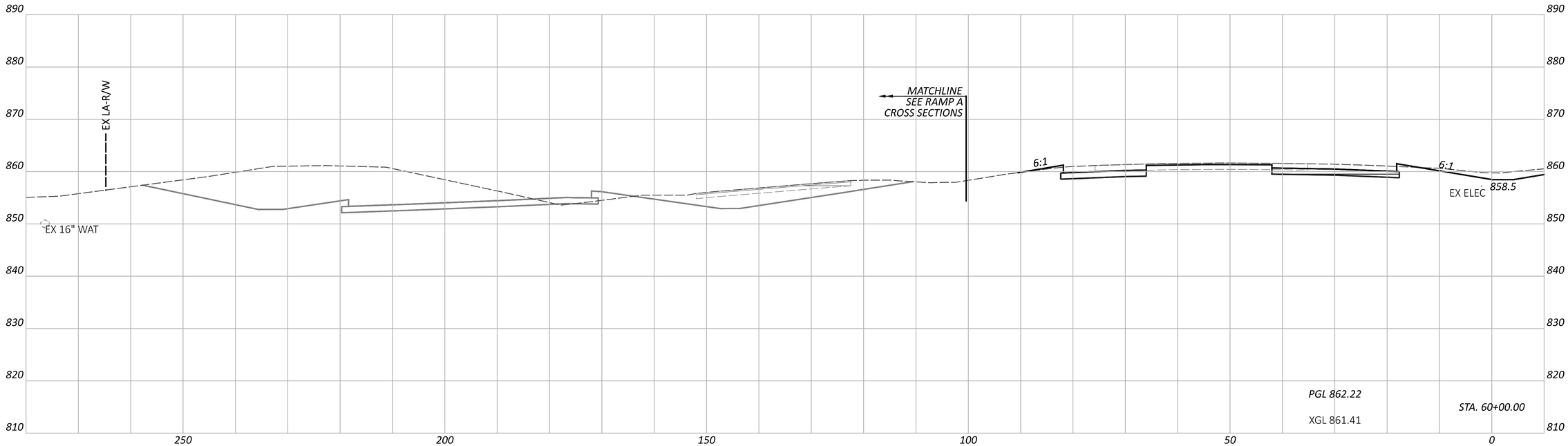
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

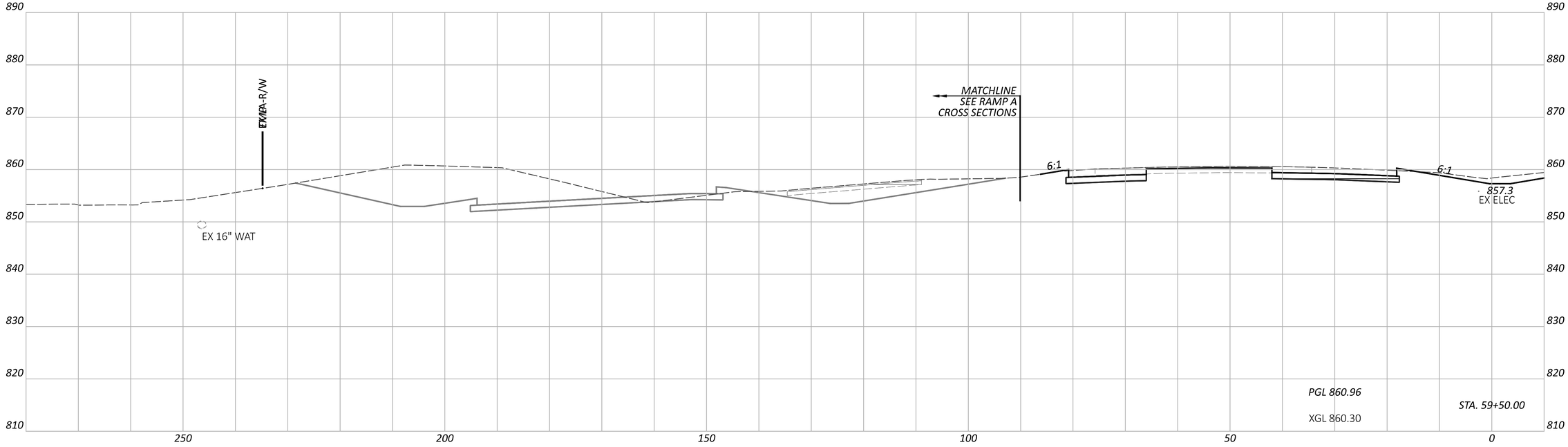
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0507 TOTAL P.1556





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STA. 59+50.00 TO STA. 60+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 59+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:43:36 AM USER: brieder
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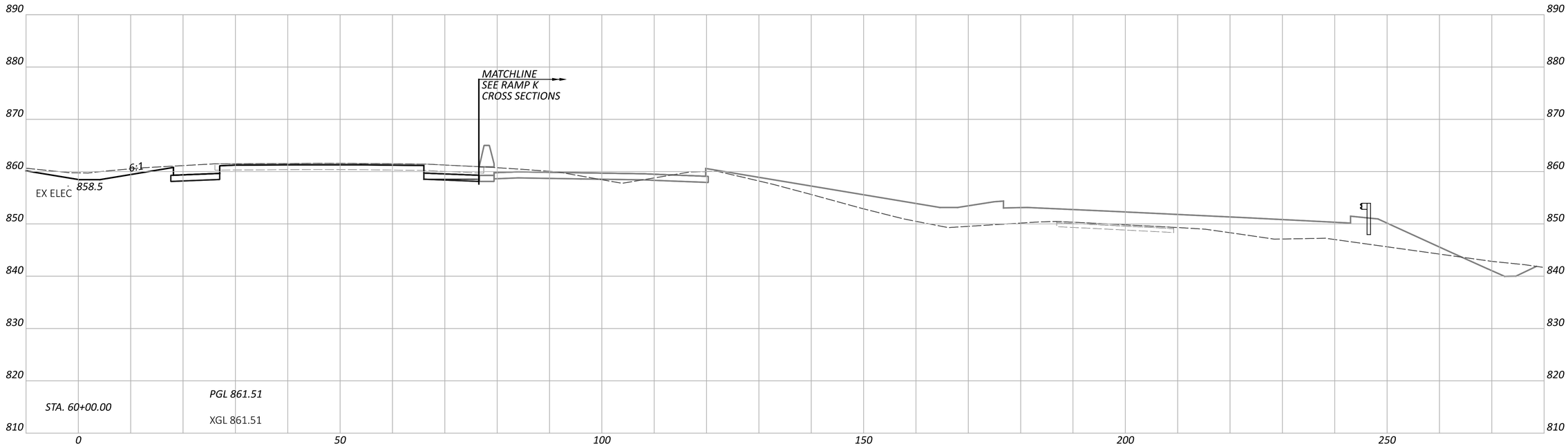
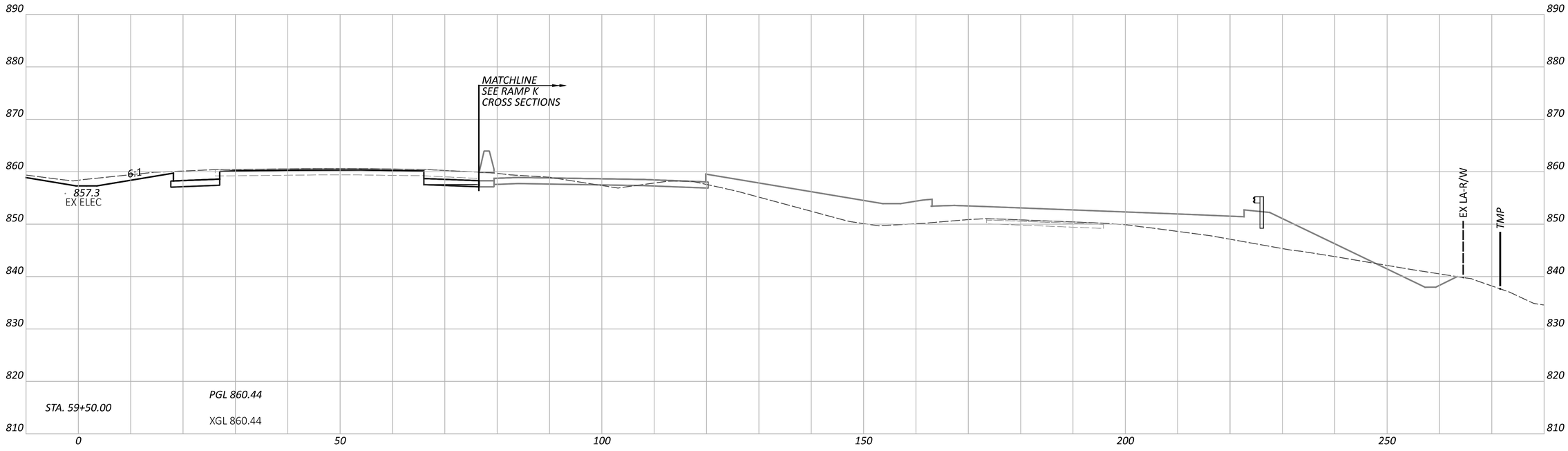
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0508
TOTAL	P.1556





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FAI/LIC-IR 70-0.00/0.00

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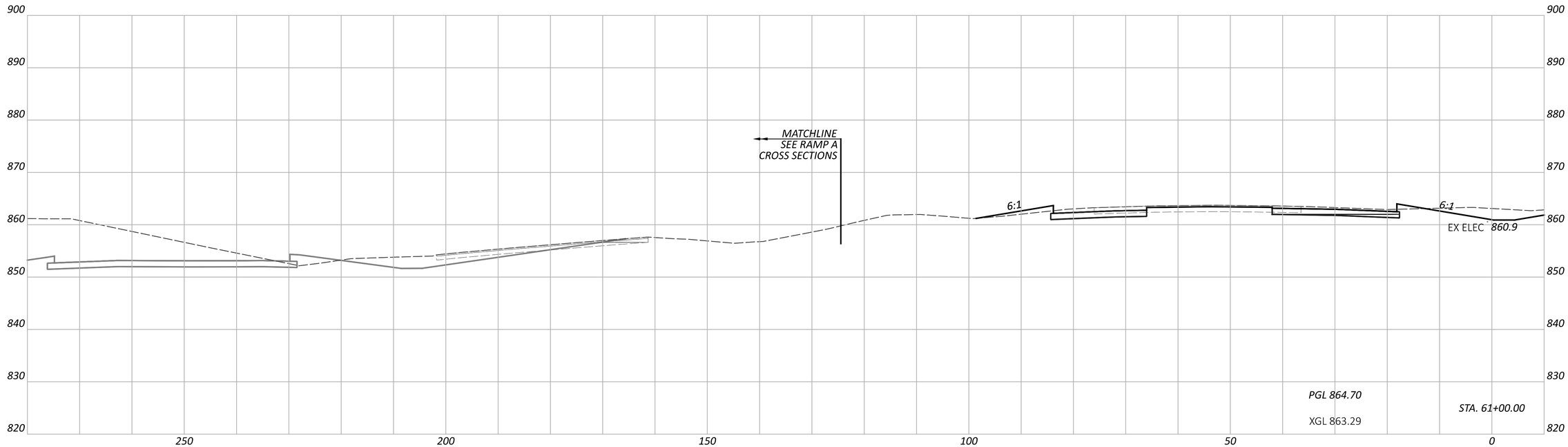
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

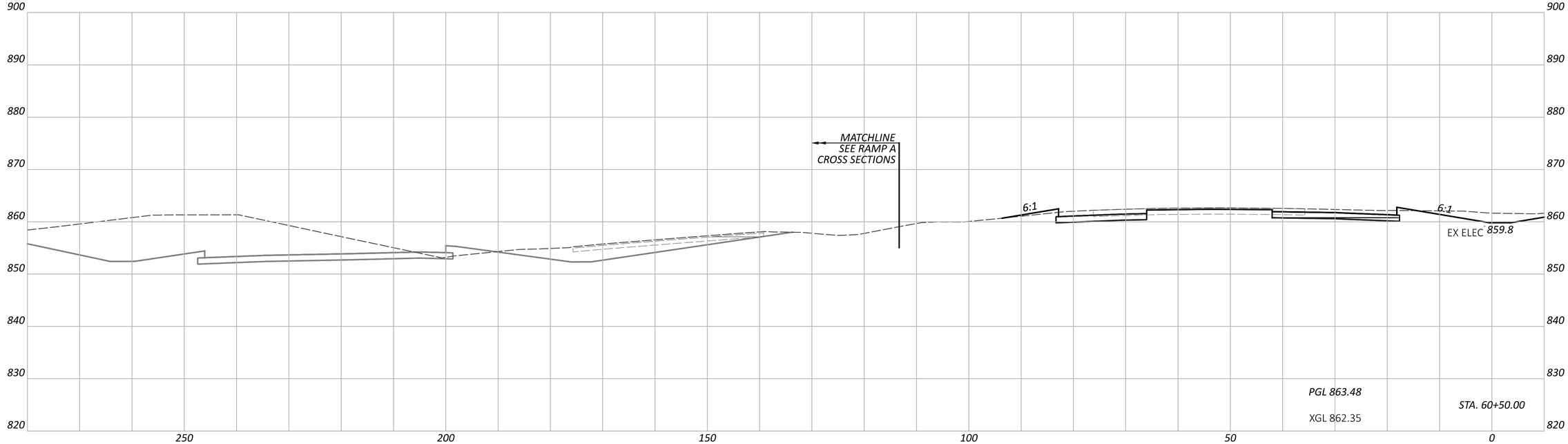
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0509 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 60+50.00 TO STA. 61+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 60+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:43:44 AM USER: brieder
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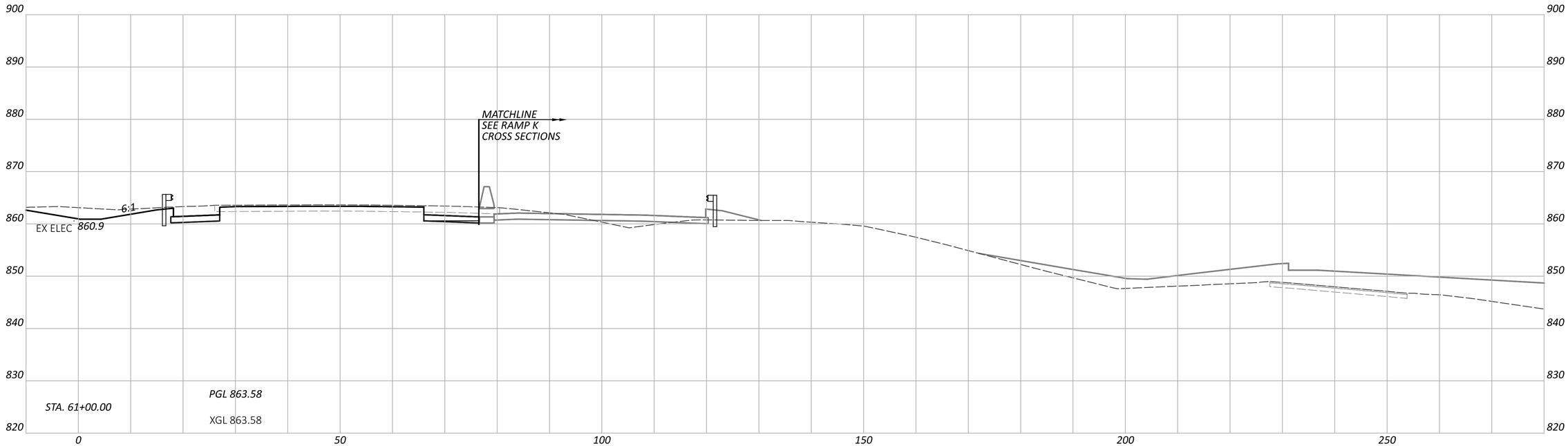
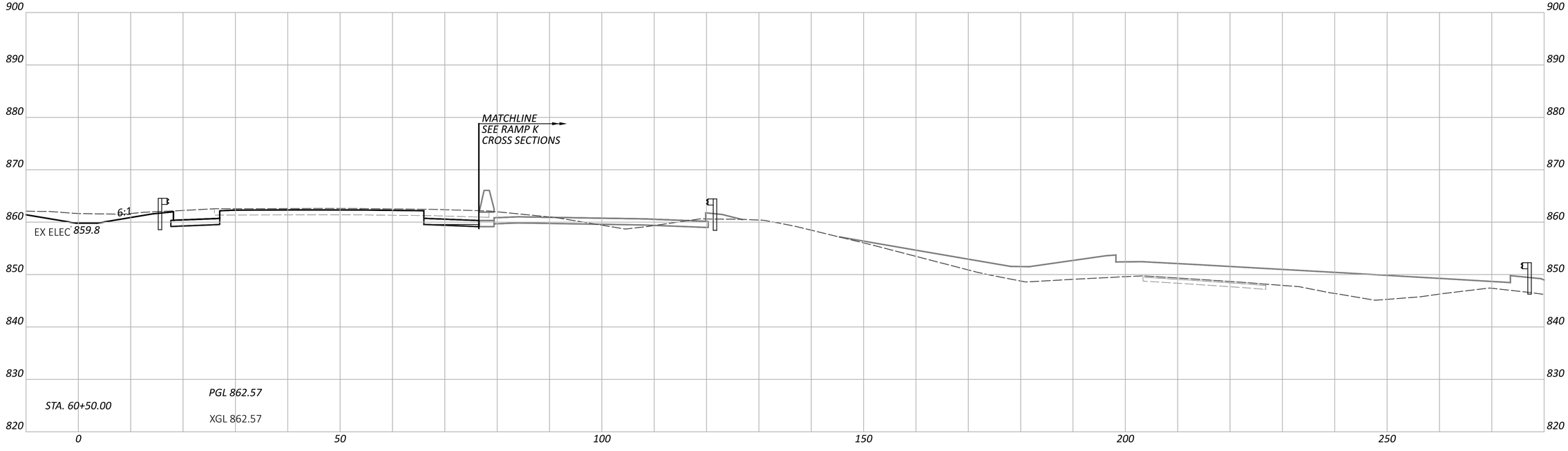
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0510
TOTAL	P.1556





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CROSS SECTIONS - IR 70 EB
STA. 60+50.00 TO STA. 61+00.00

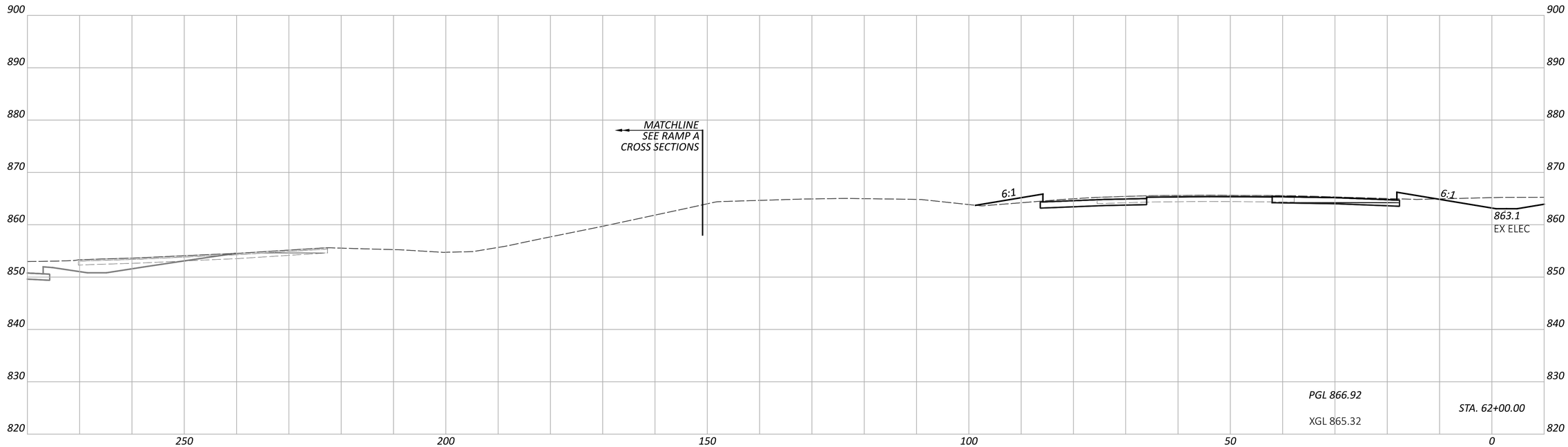
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

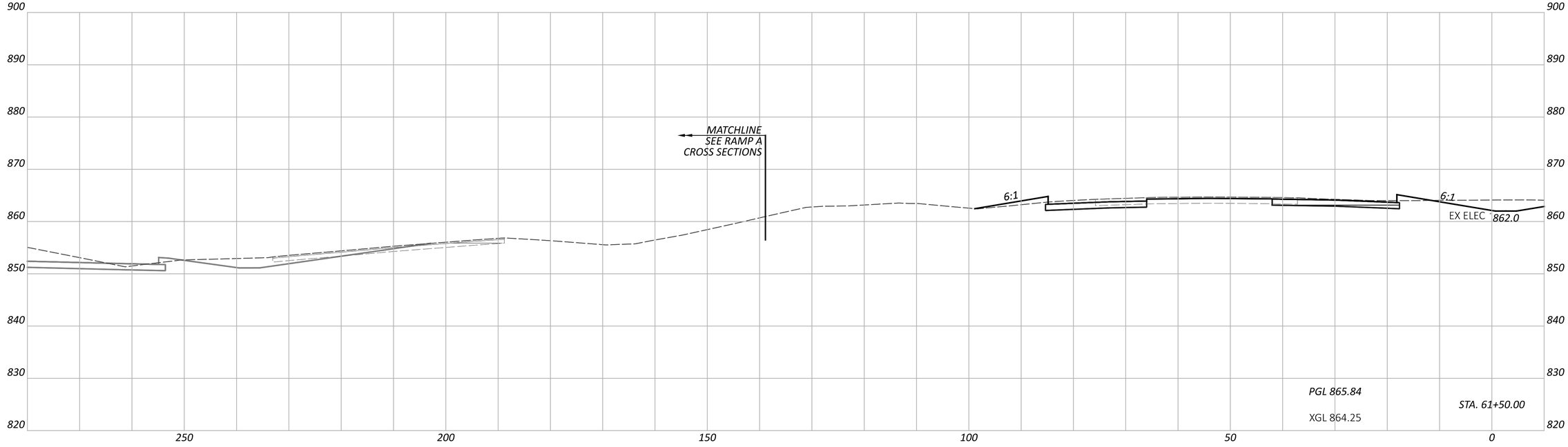
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0511	P.1556





CROSS SECTIONS - IR 70 WB
STA. 61+50.00 TO STA. 62+00.00

FAI/LIC-IR 70-0.00/0.00

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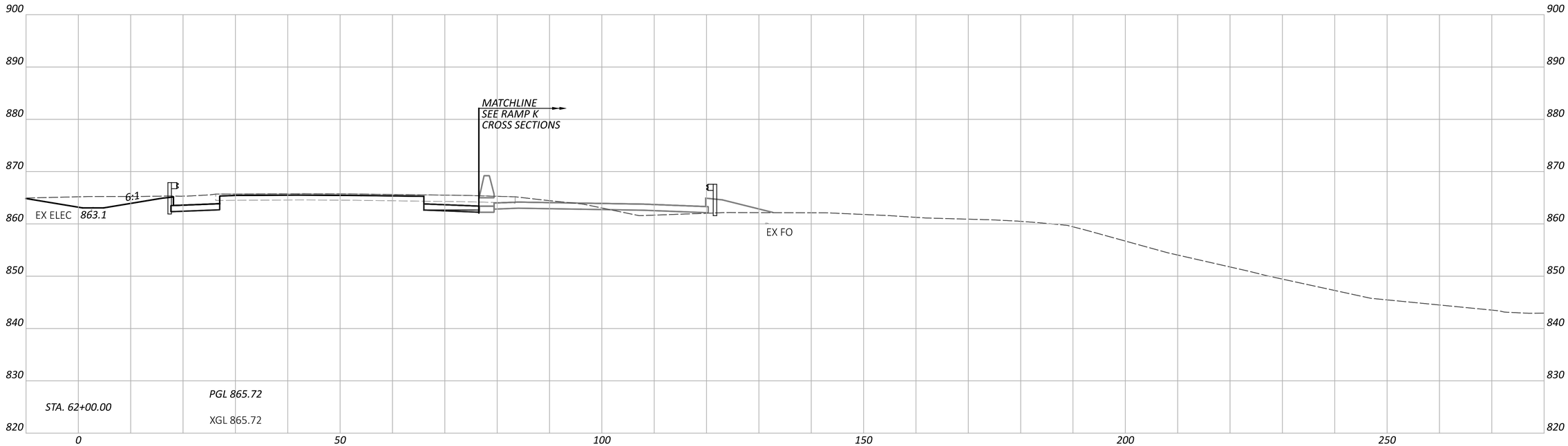
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

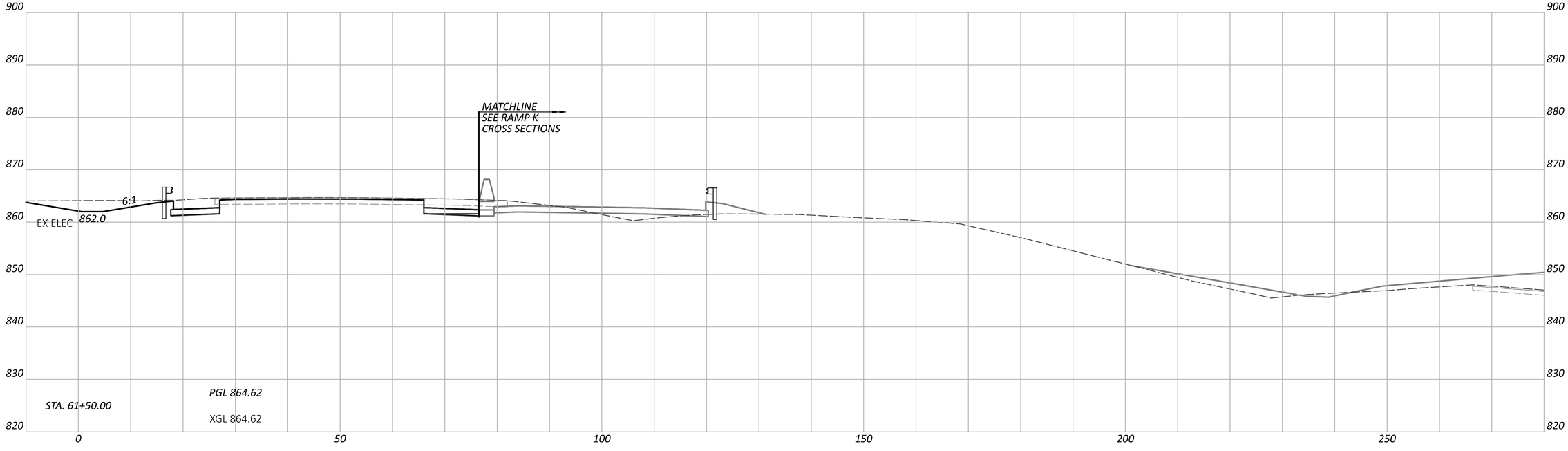
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0512 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 61+50.00 TO STA. 62+00.00

FAI/LIC-IR 70-0.00/0.00

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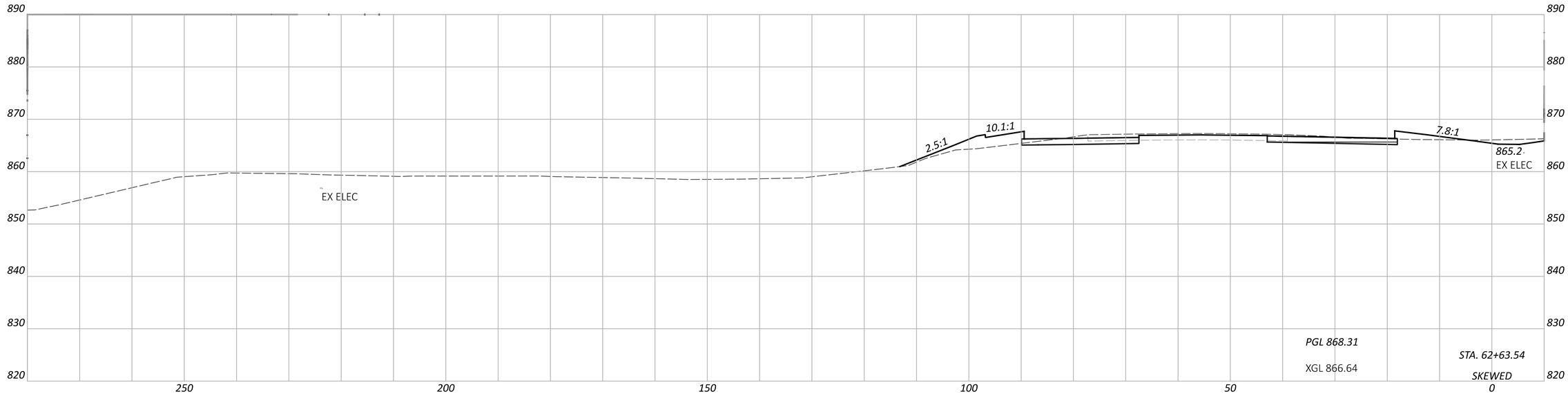
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

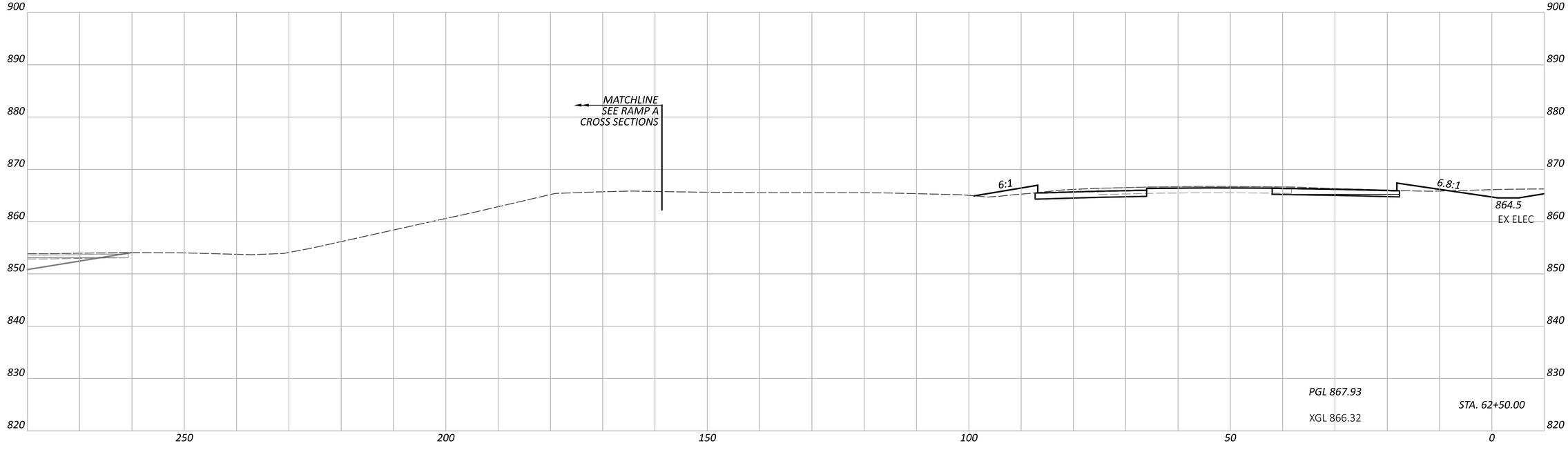
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0513 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 62+50.00 TO STA. 62+63.54

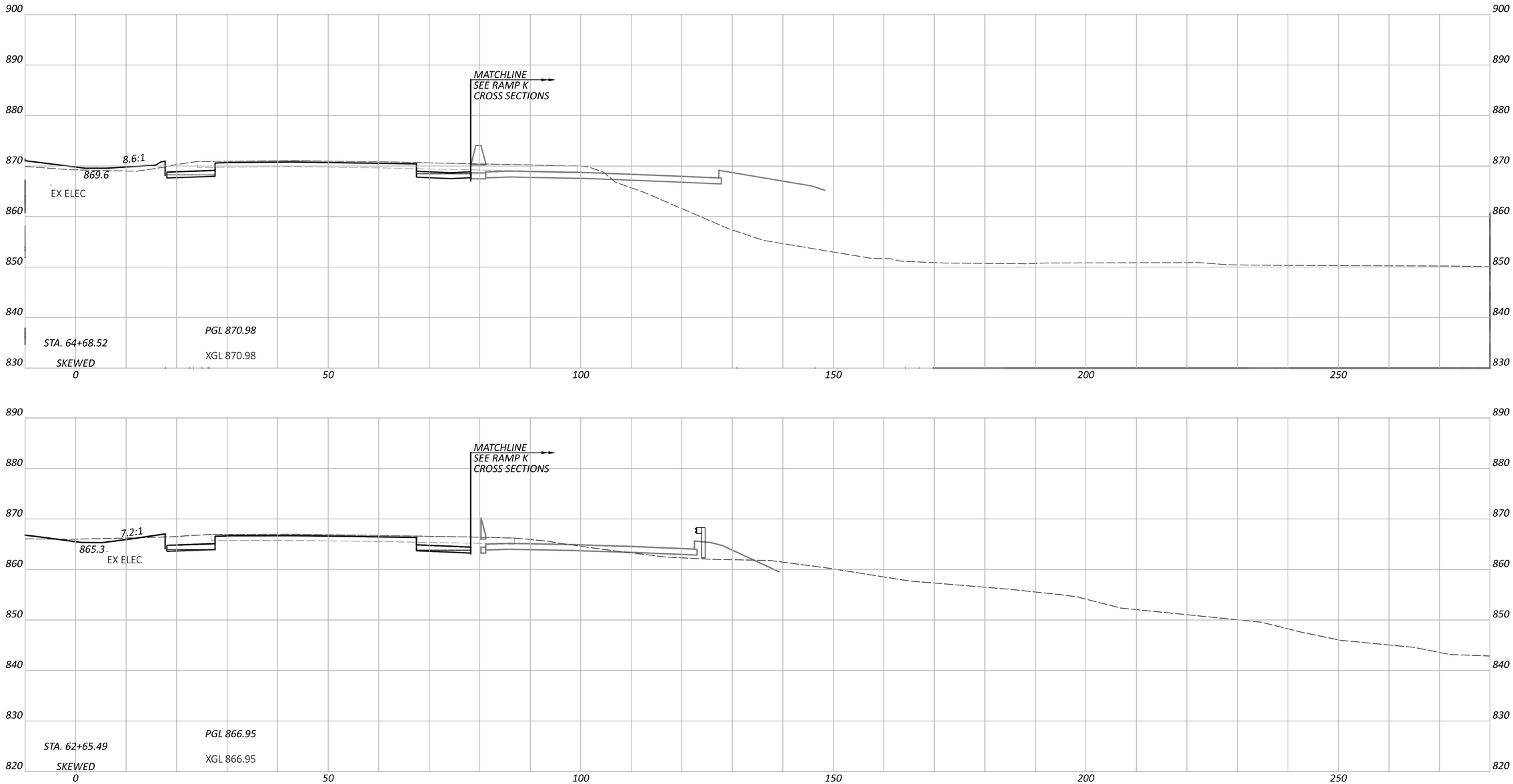
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0514 TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 62+65.49 TO STA. 64+68.52

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0515 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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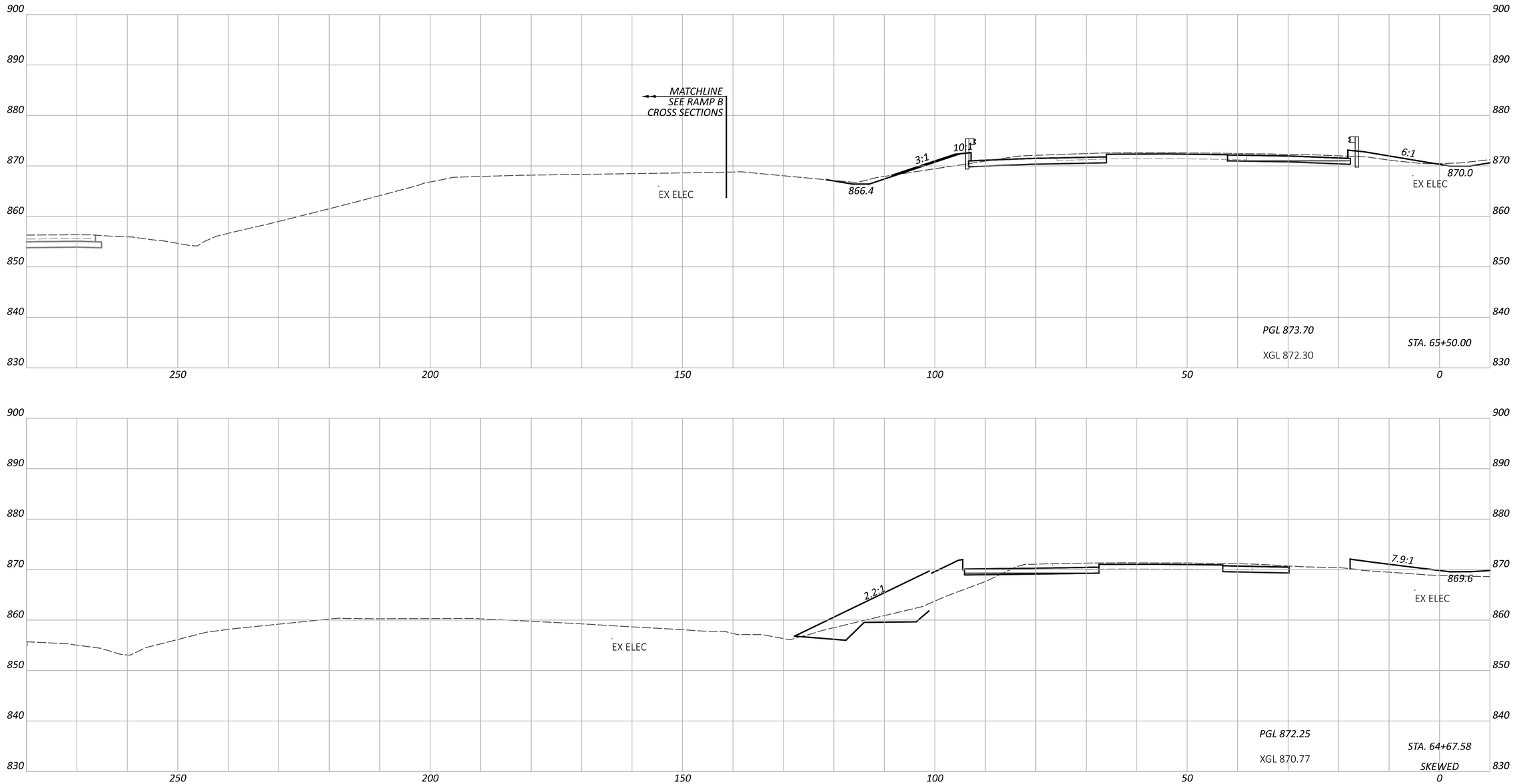

CROSS SECTIONS - IR 70 WB
STA. 64+67.58 TO STA. 65+50.00

FAI/LIC-IR 70-0.00/0.00

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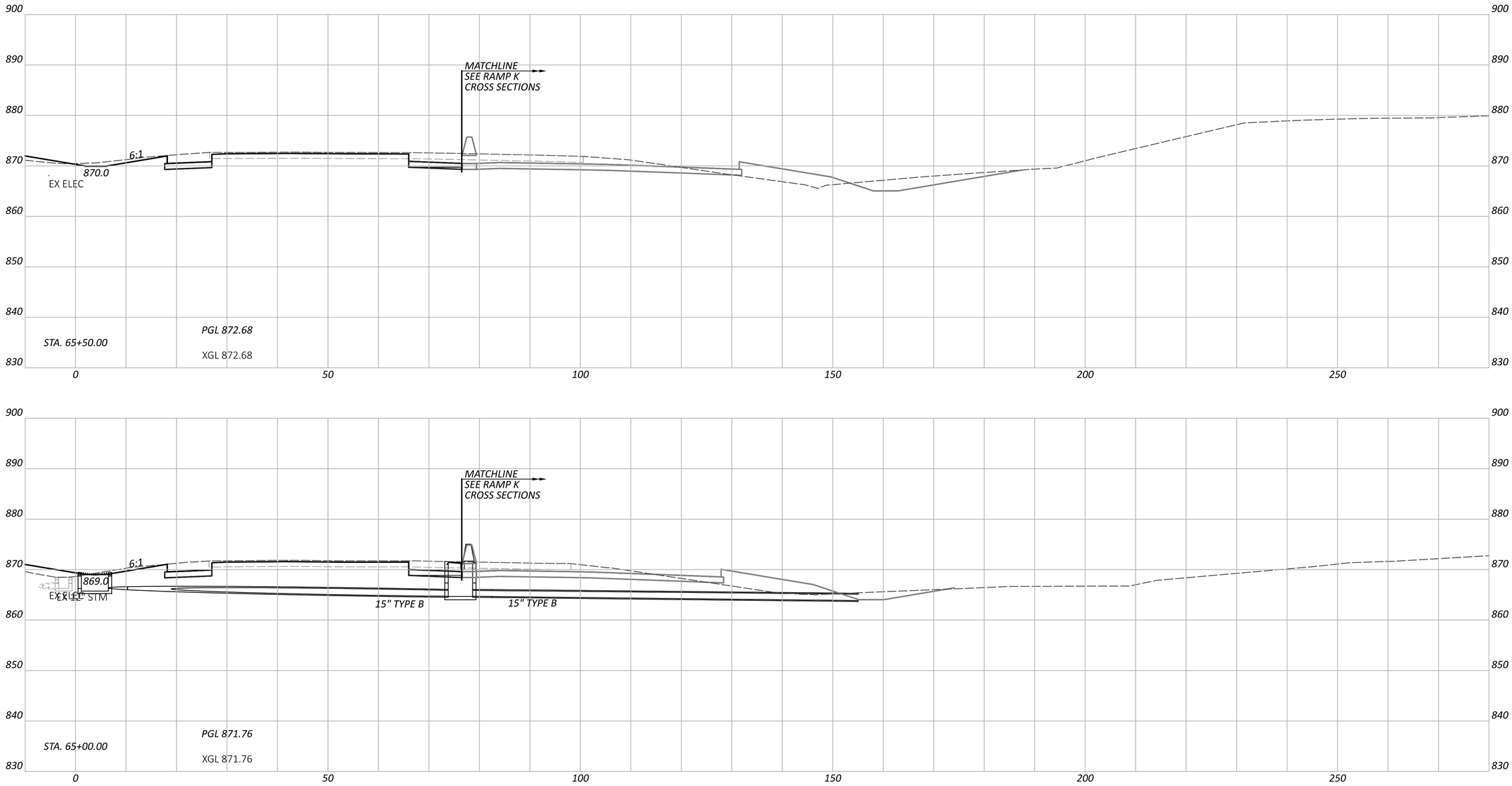
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0516 TOTAL P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 65+00.00 TO STA. 65+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0517 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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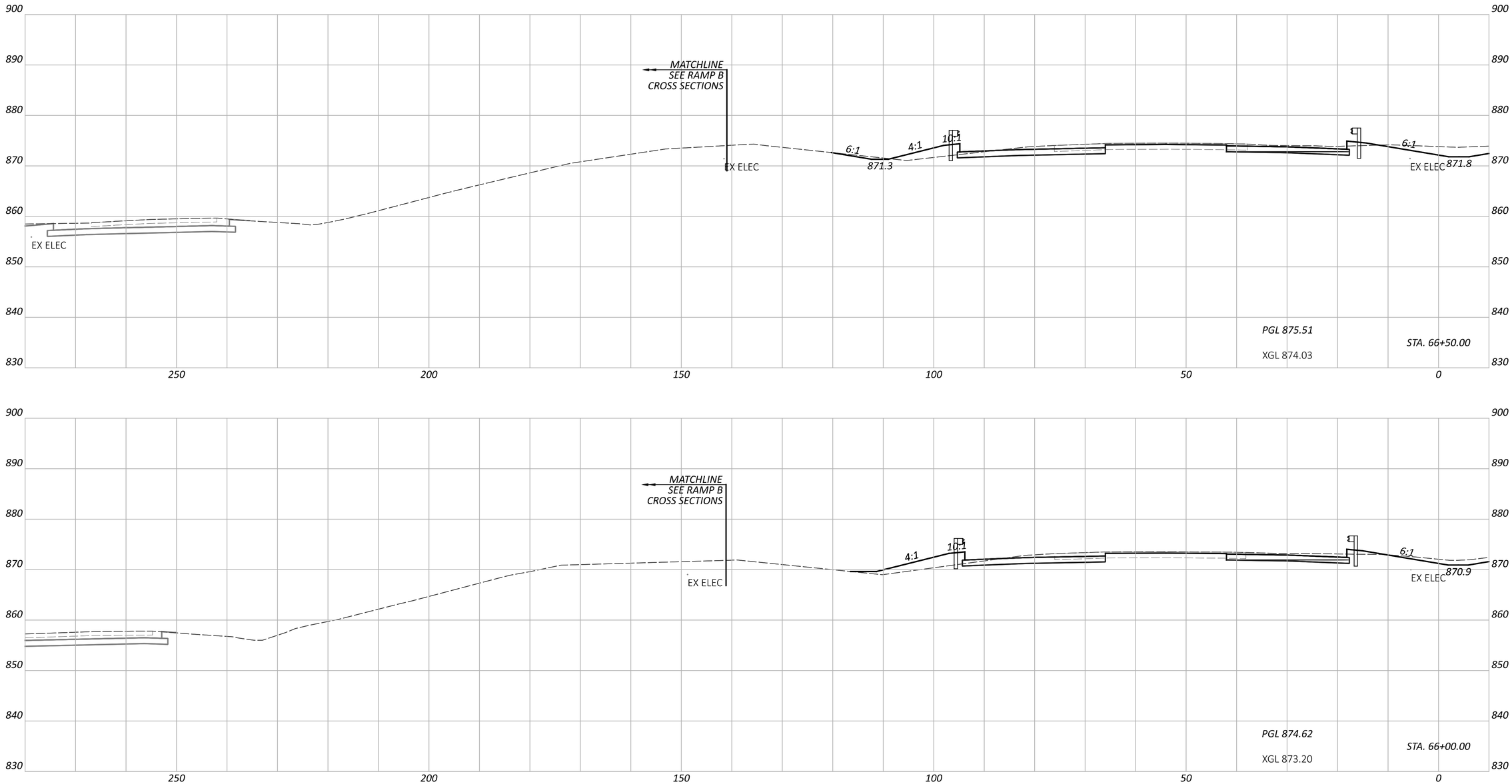

CROSS SECTIONS - IR 70 WB
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FAI/LIC-IR 70-0.00/0.00

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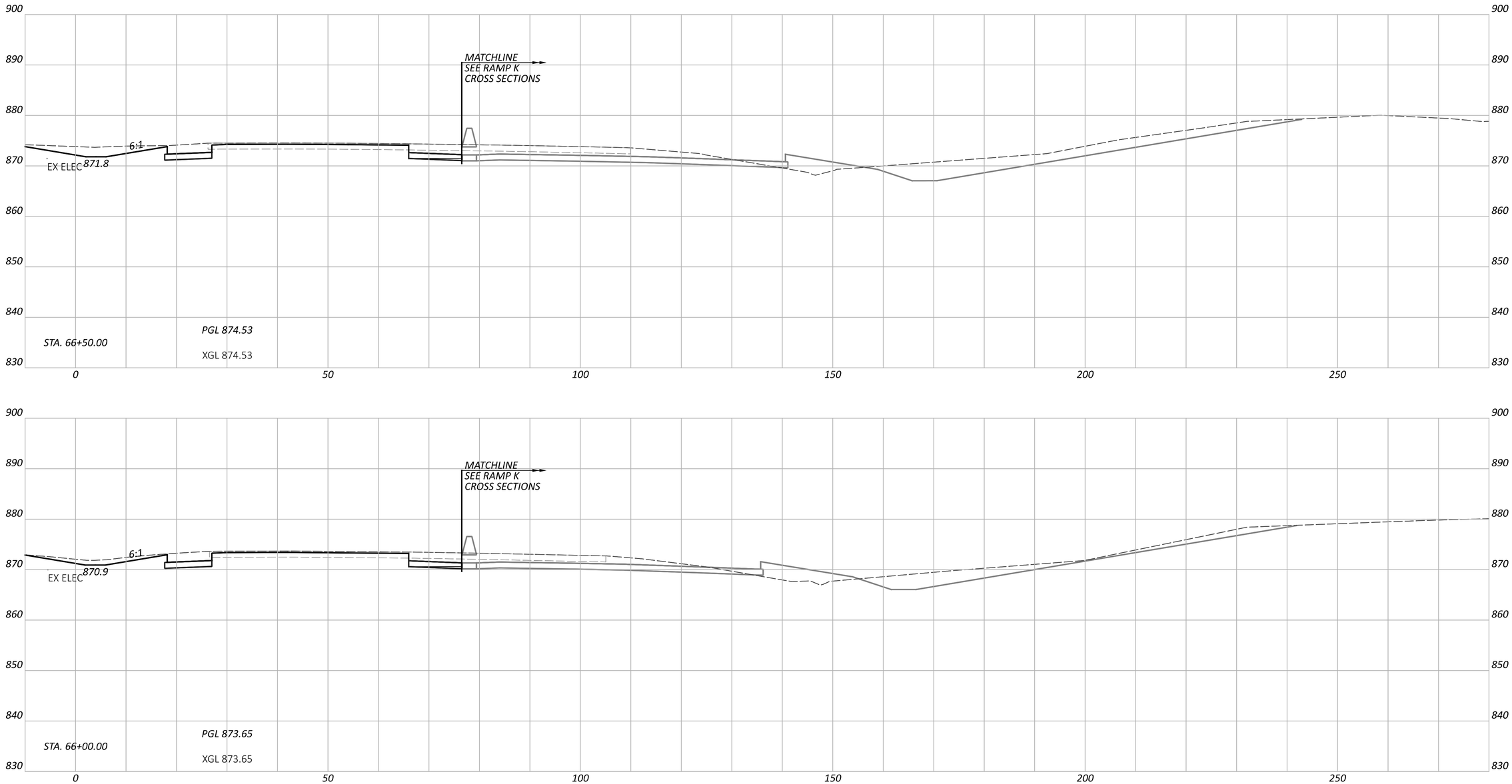
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0518
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

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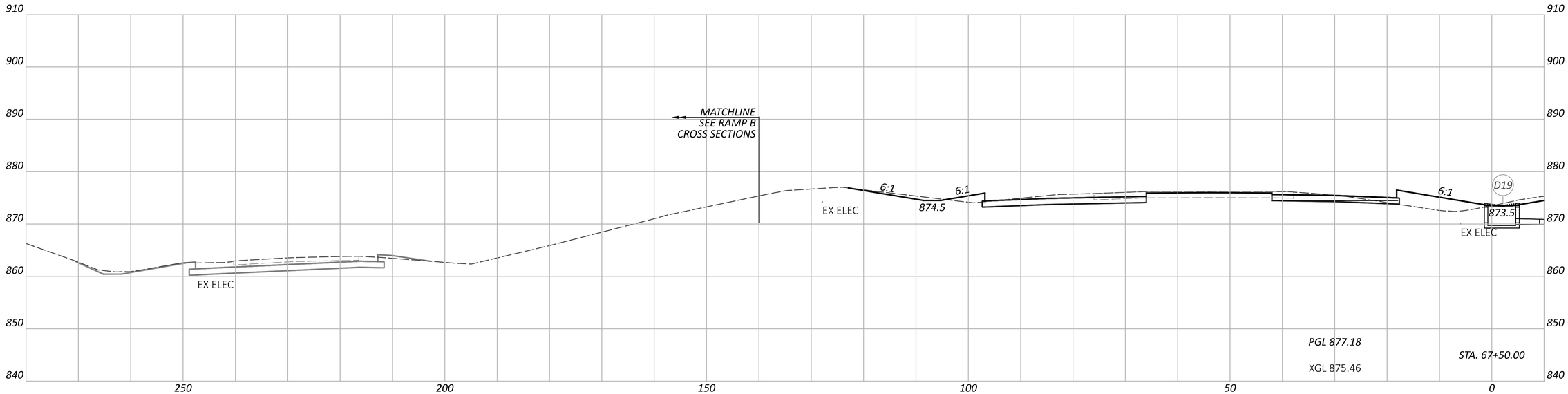
DESIGN AGENCY
STRUCTUREPOINT INC.

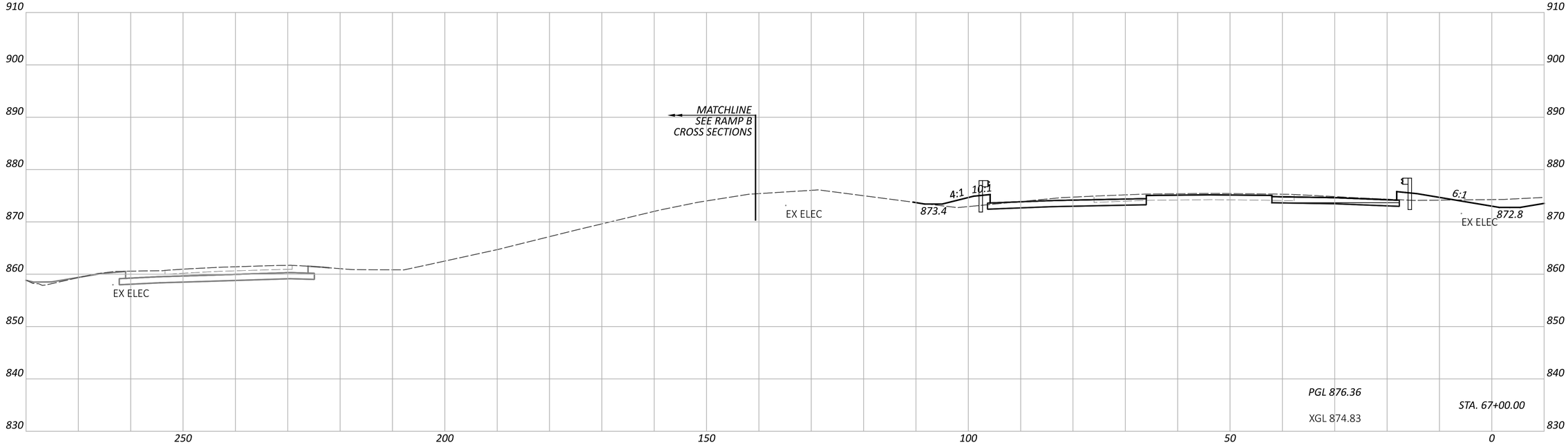
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0519 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 67+00.00 TO STA. 67+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 67+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:44:27 AM USER: brieder
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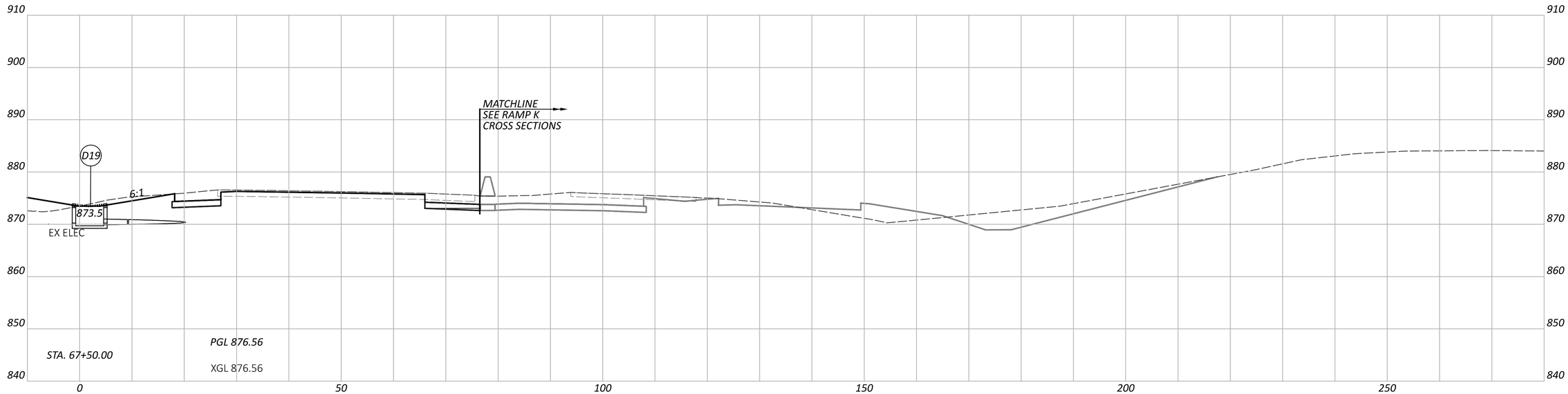
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

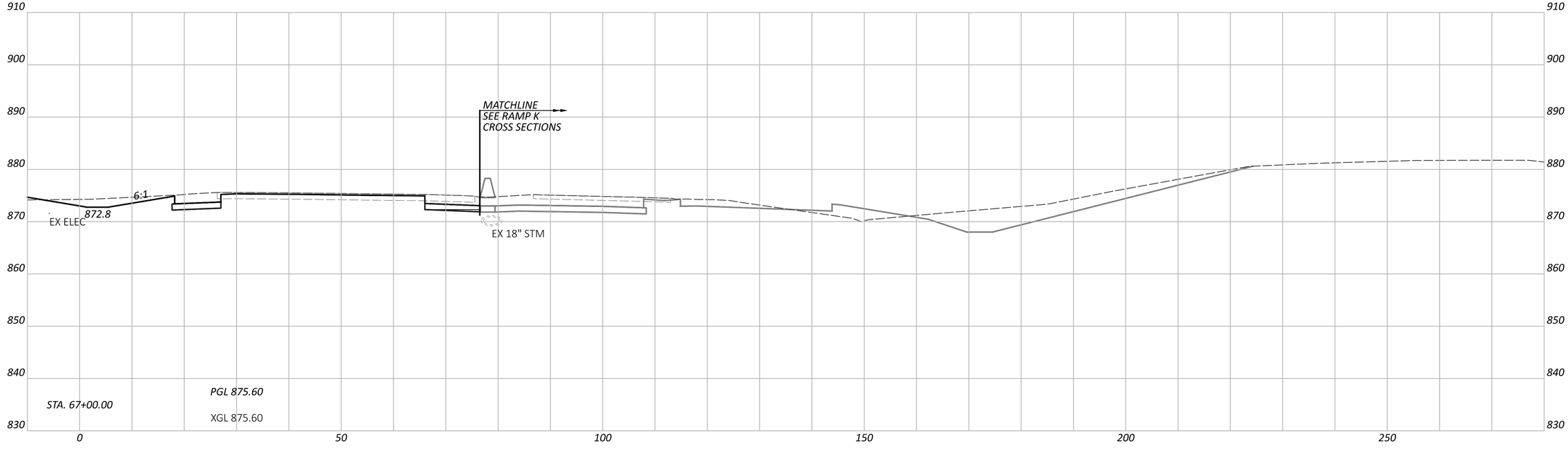
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0520 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 67+00.00 TO STA. 67+50.00

FAI/LIC-IR 70-0.00/0.00

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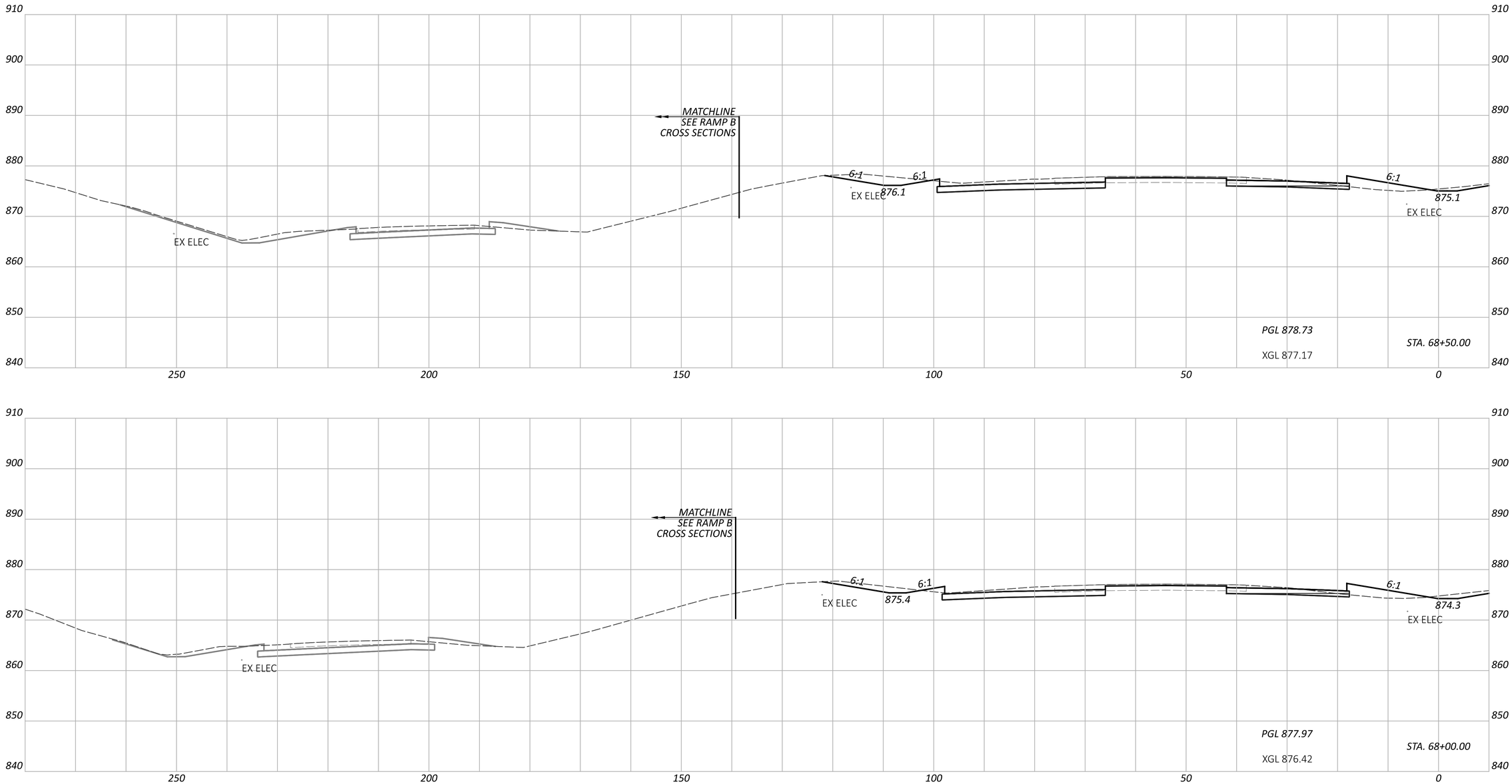
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0521 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 68+00.00 TO STA. 68+50.00

FAI/LIC-IR 70-0.00/0.00

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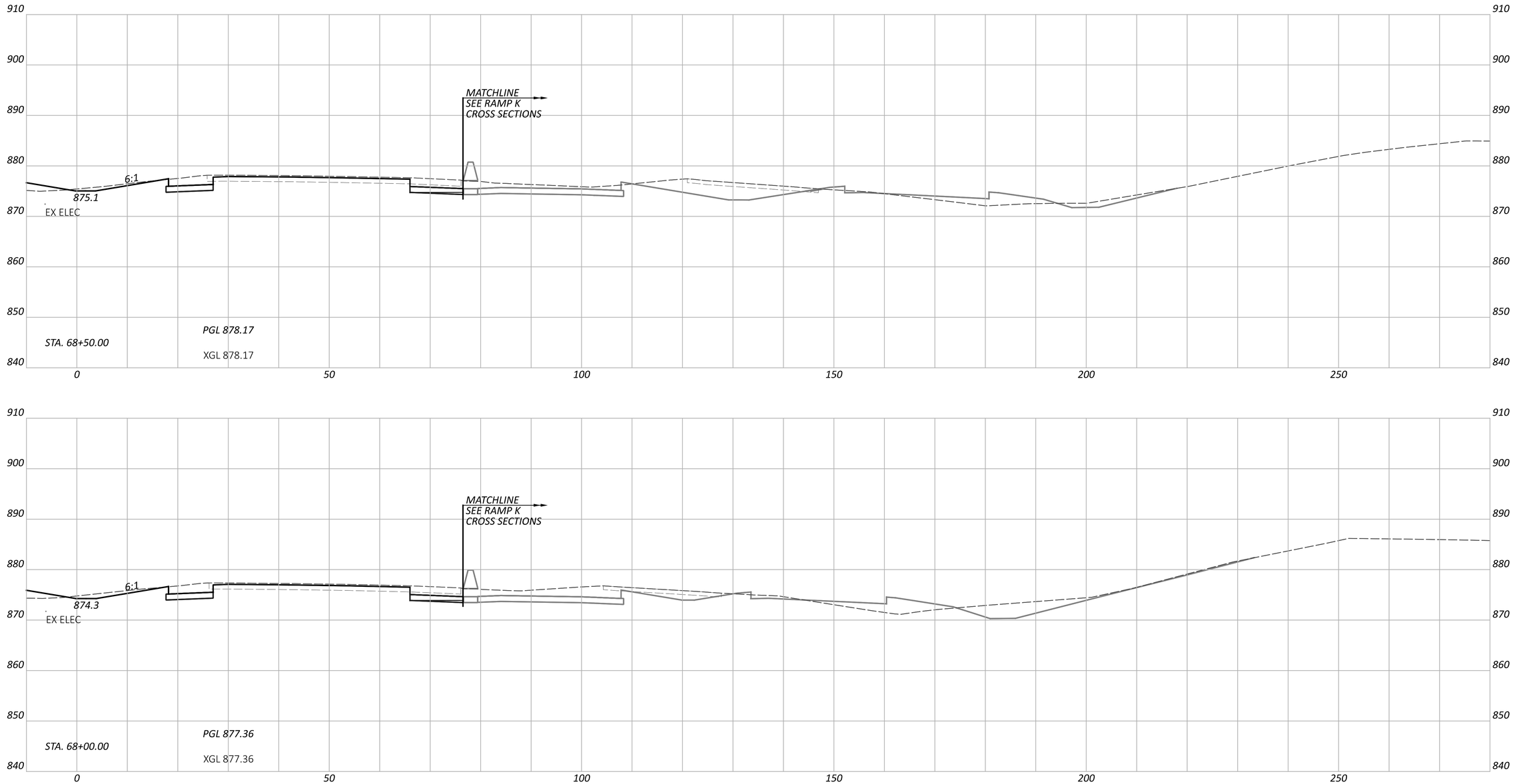
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0522
TOTAL	P.1556



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STA. 68+00.00 TO STA. 68+50.00

FAI/LIC-IR 70-0.00/0.00

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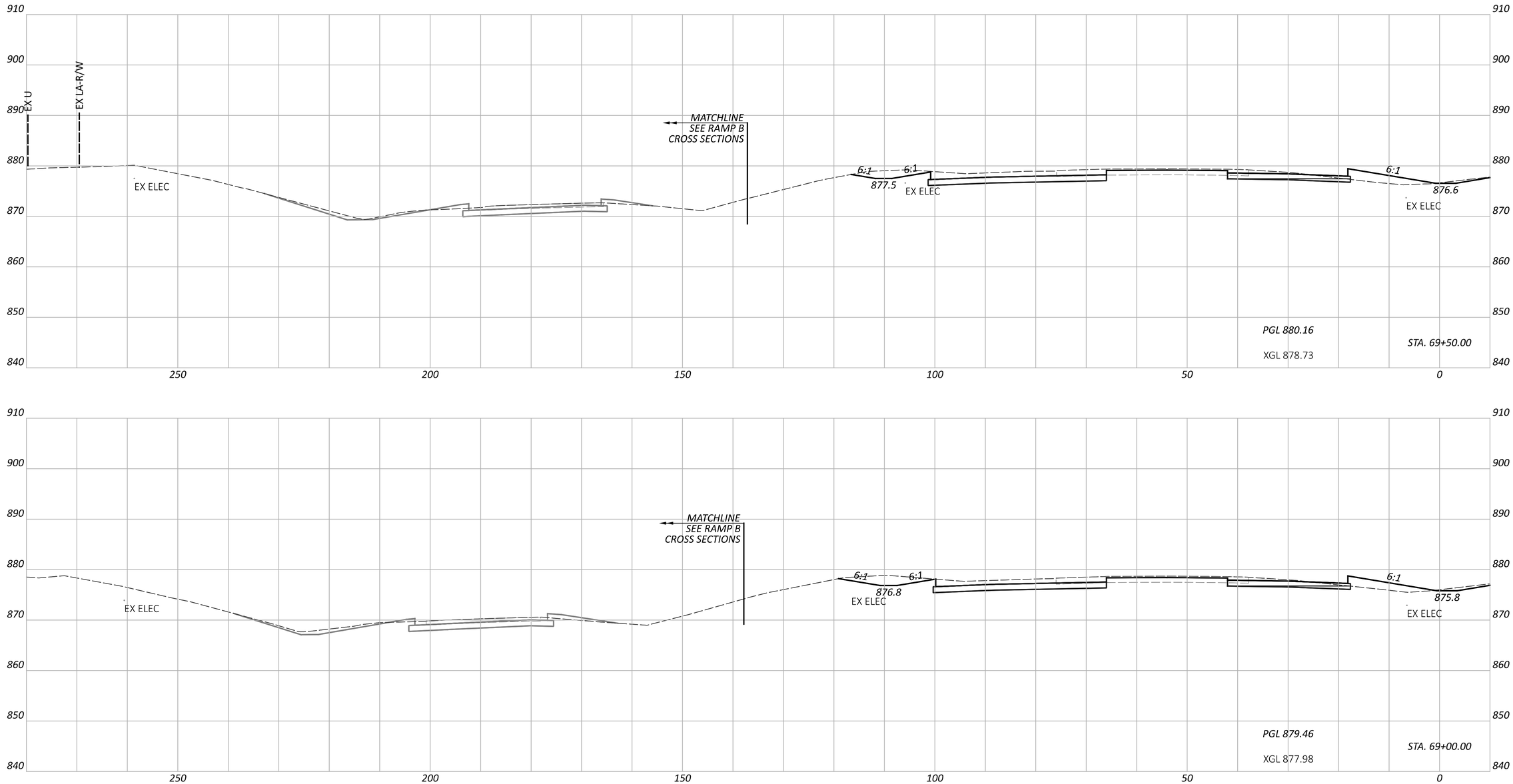
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0523 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 69+00.00 TO STA. 69+50.00

FAI/LIC-IR 70-0.00/0.00

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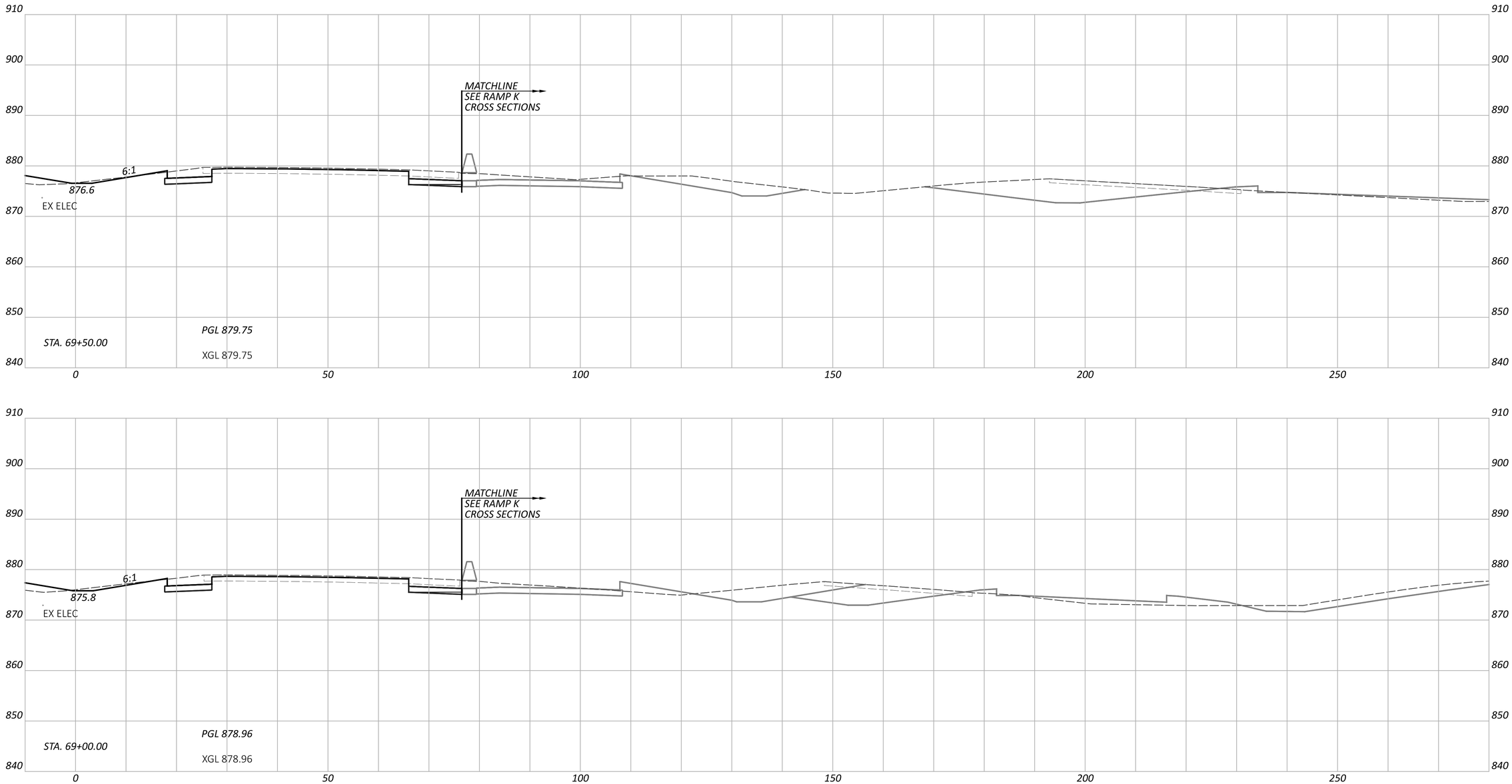
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0524 TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 69+00.00 TO STA. 69+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 69+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:44:47 AM USER: brieder
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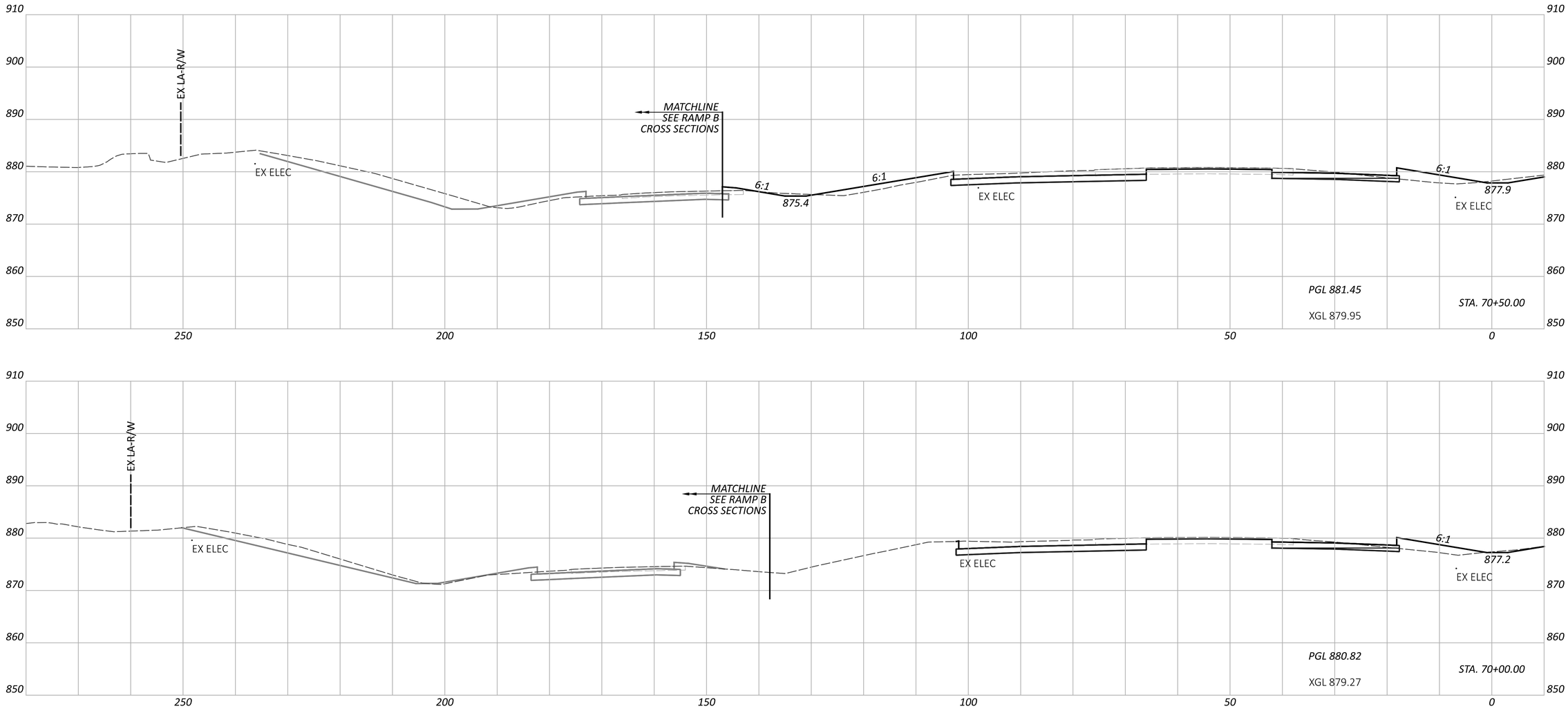
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0525 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 70+00.00 TO STA. 70+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 70+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:11 AM USER: brieder
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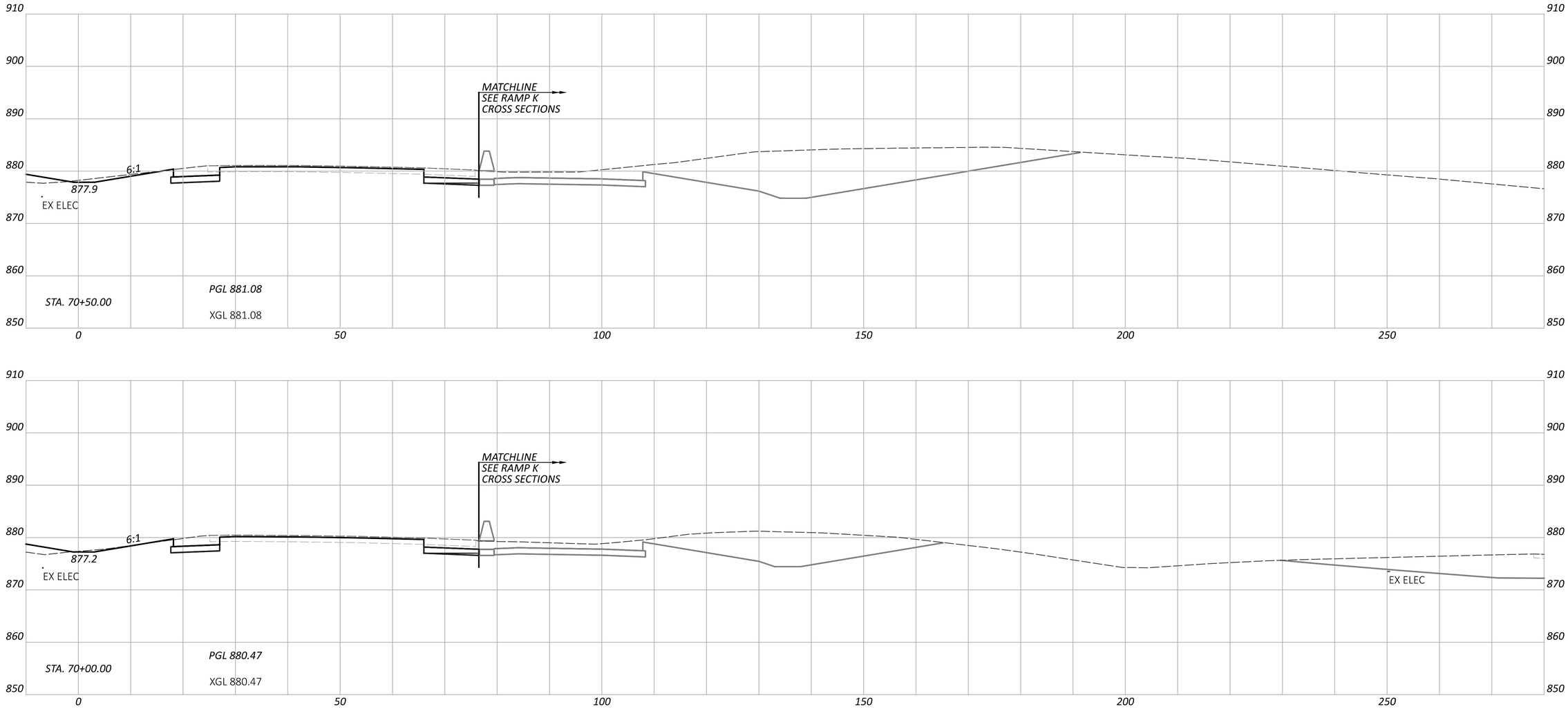
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0526
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0527 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 71+00.00 TO STA. 71+50.00

FAI/LIC-IR 70-0.00/0.00

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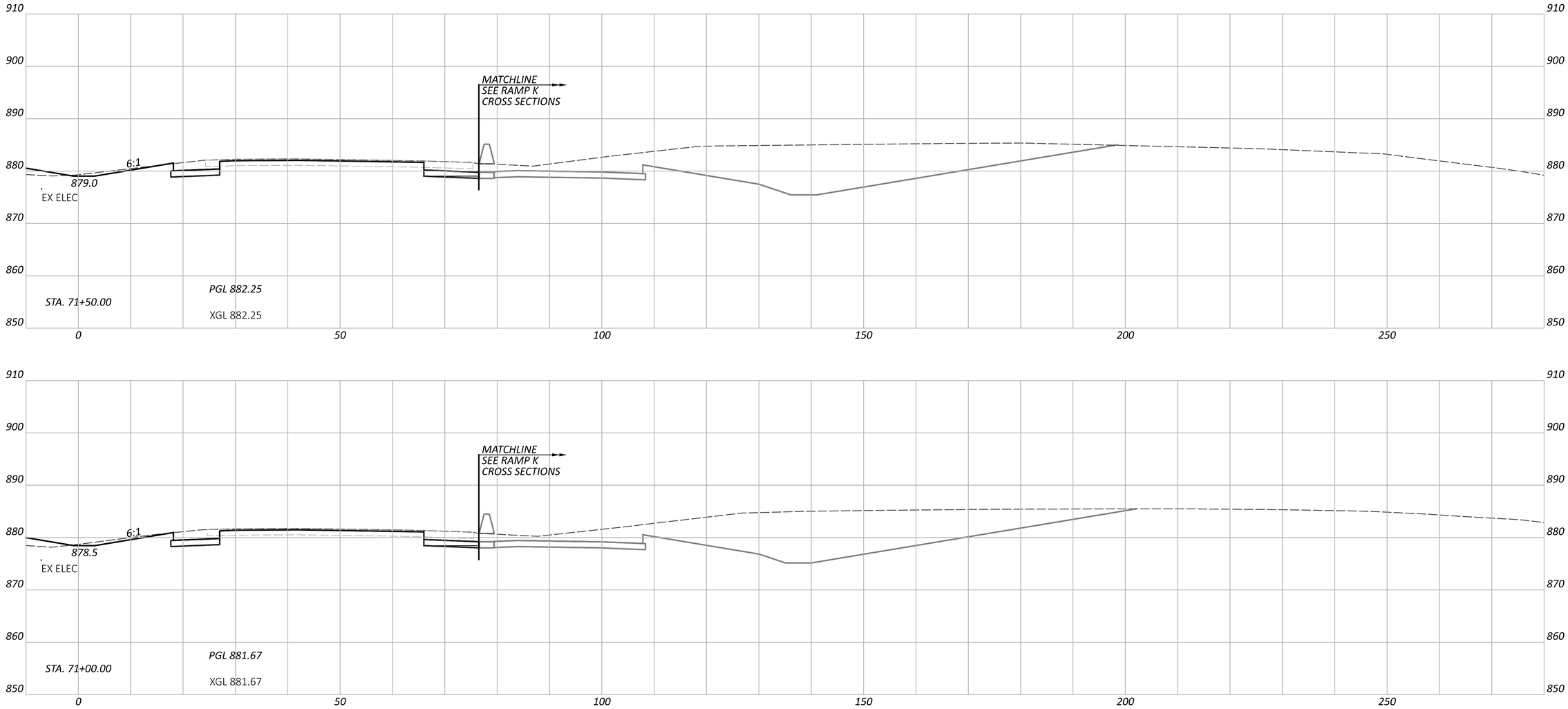
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0528
TOTAL	P.1556



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FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 71+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:28 AM USER: brieder
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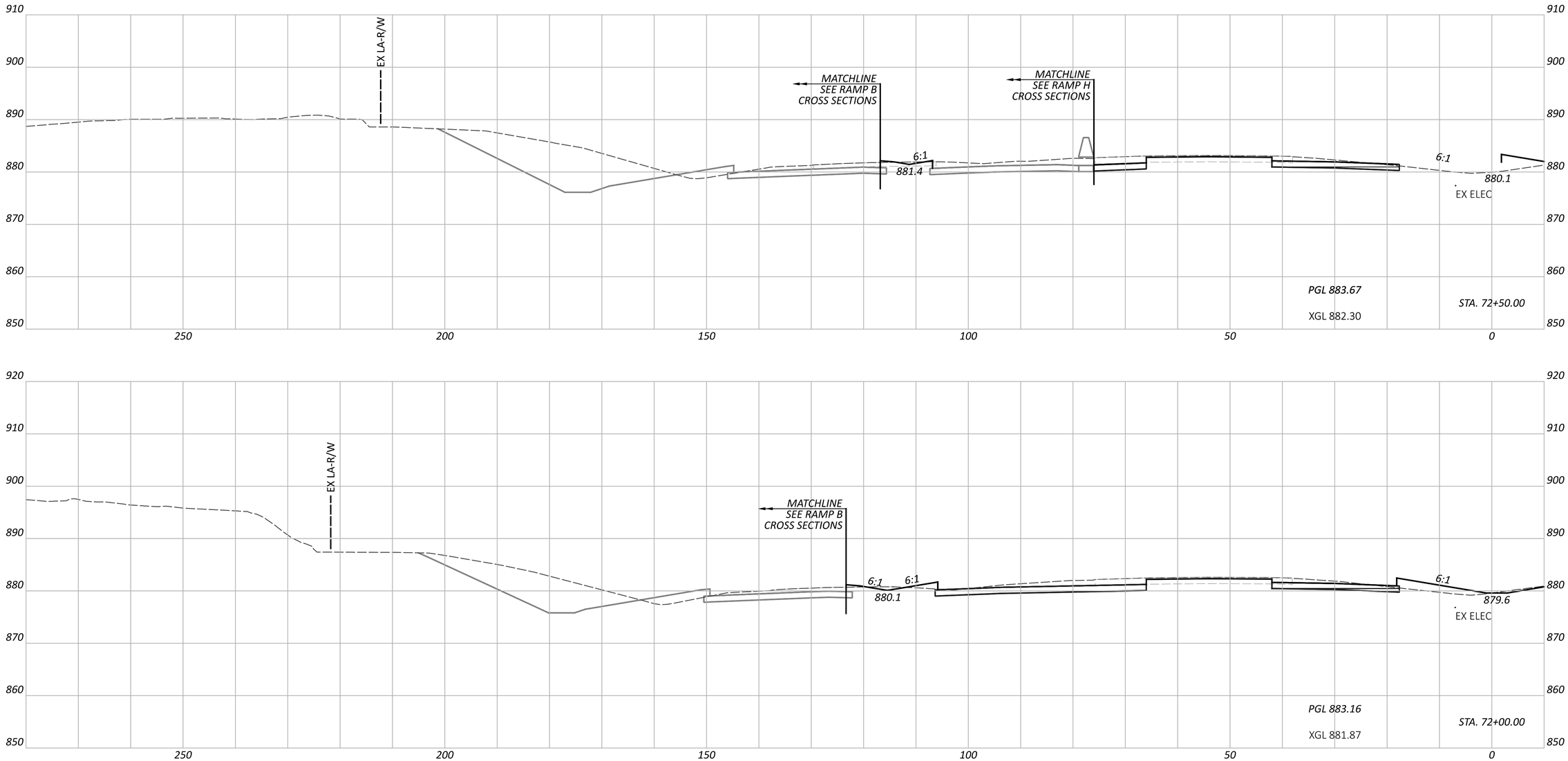
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0529 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 72+00.00 TO STA. 72+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 72+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:32 AM USER: brieder
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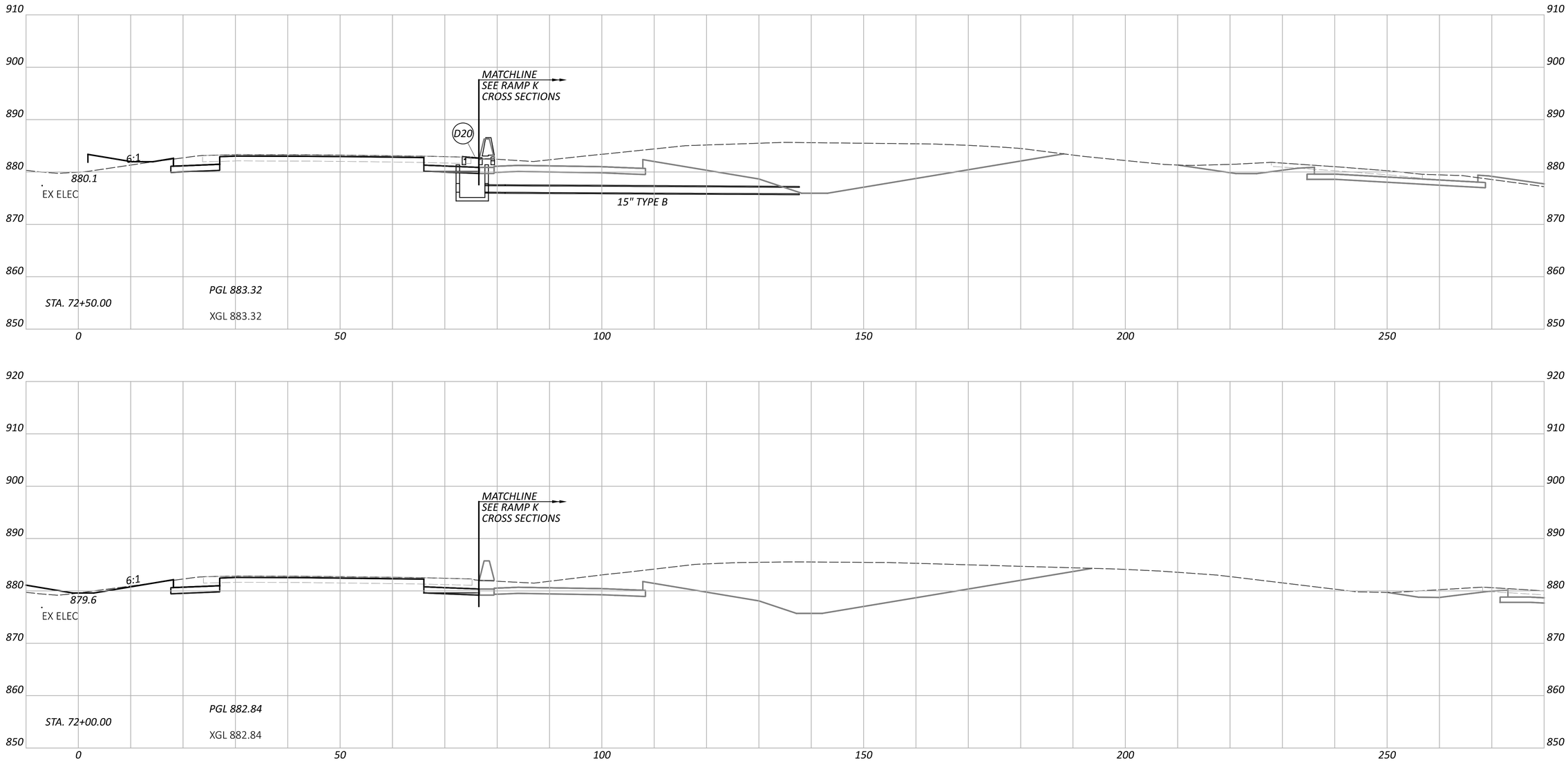
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0530 TOTAL P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 72+00.00 TO STA. 72+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0531 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 73+00.00 TO STA. 73+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 73+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:46 AM USER: brieder
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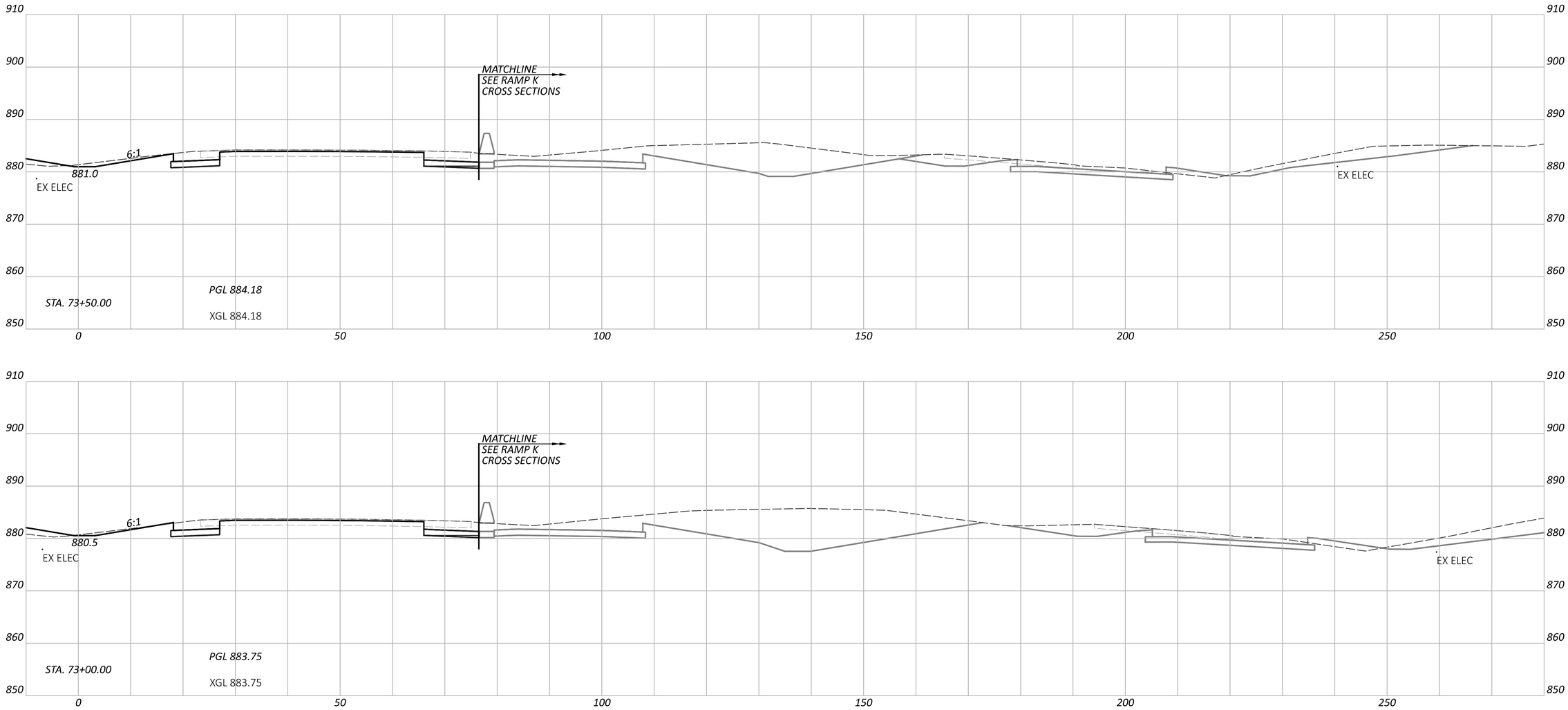
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0532
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 73+00.00 TO STA. 73+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0533 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 73+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:50 AM USER: brieder
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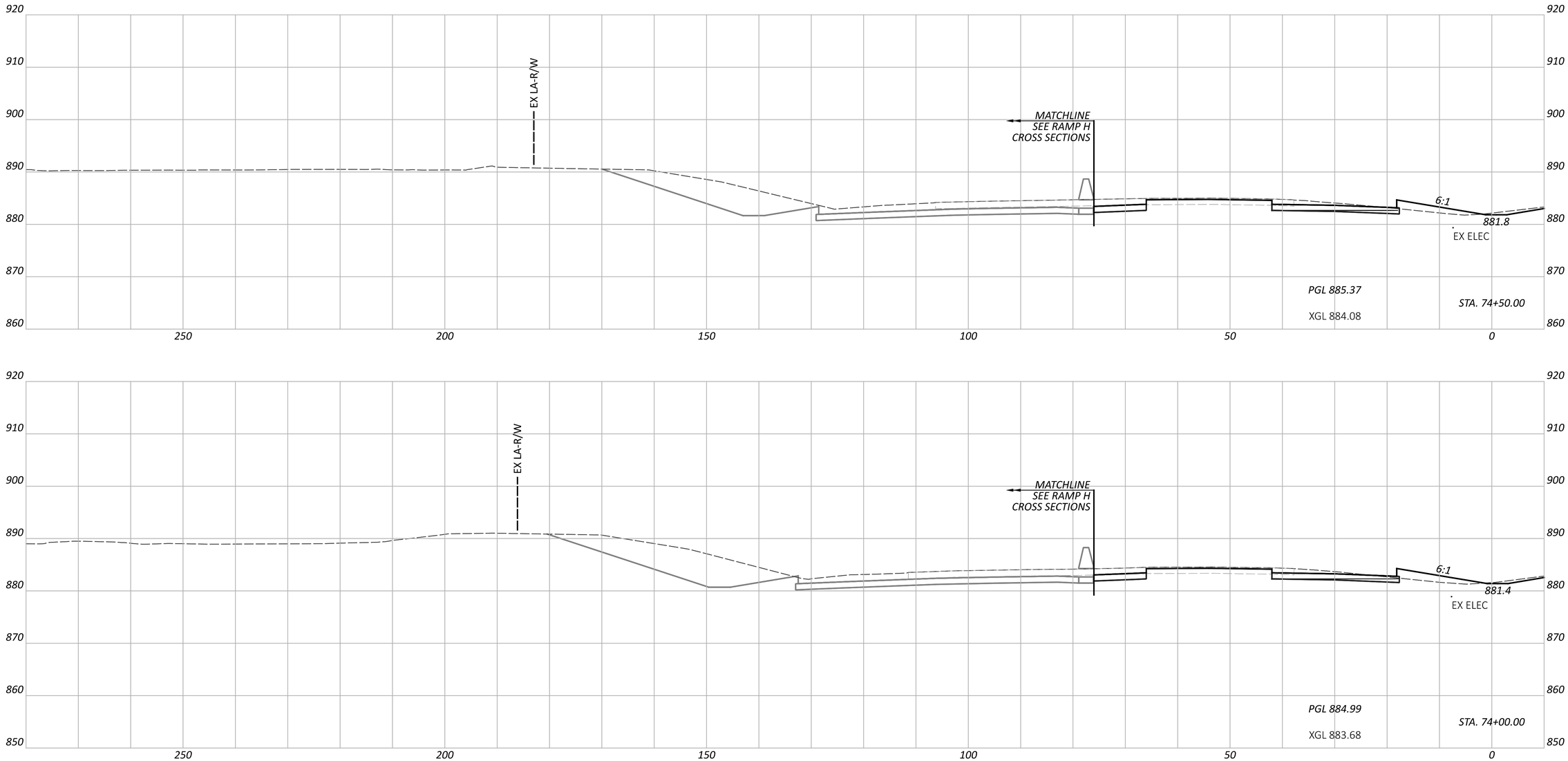

CROSS SECTIONS - IR 70 WB
STA. 74+00.00 TO STA. 74+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 74+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:54 AM USER: brieder
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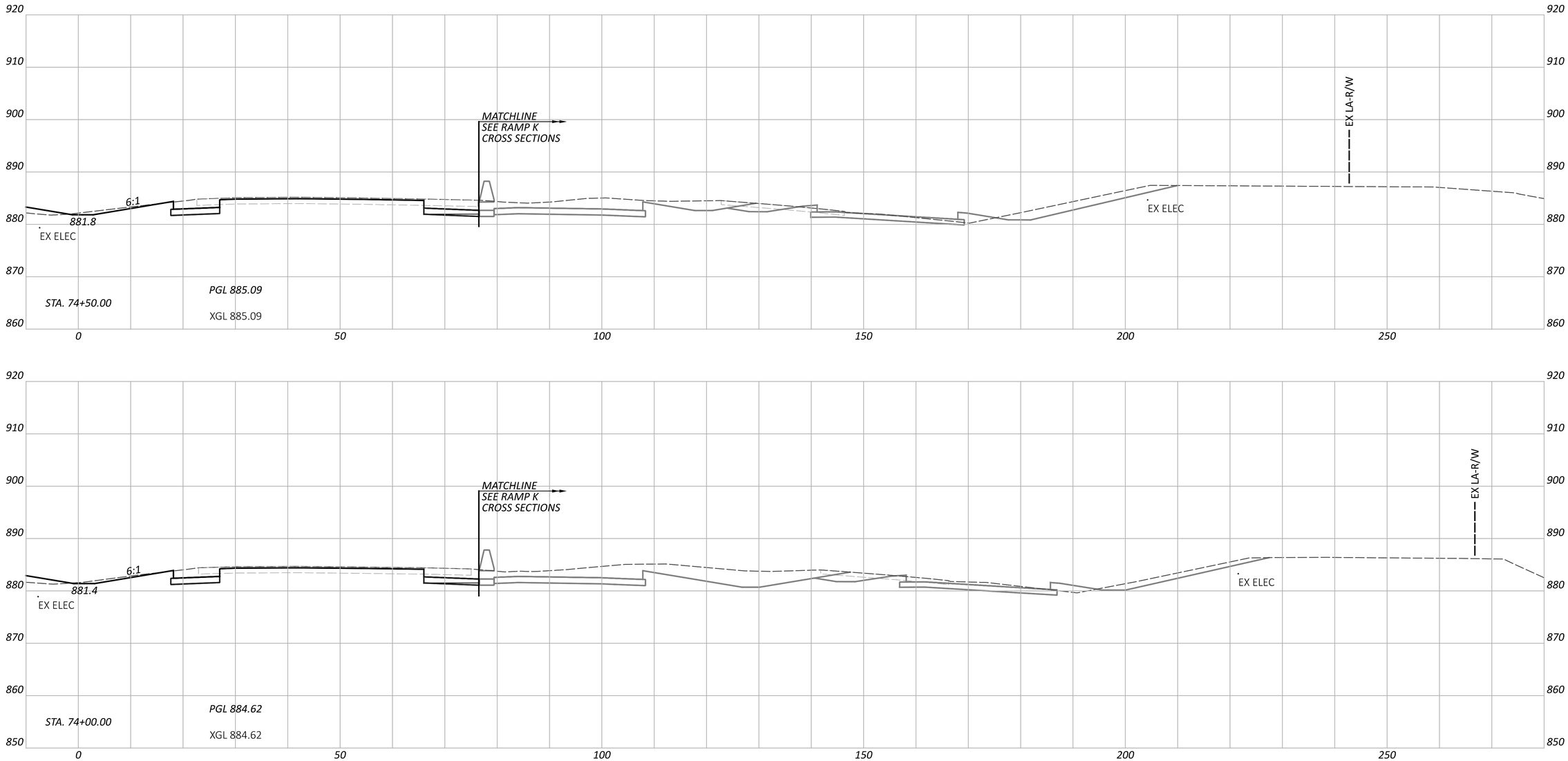
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0534 TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 74+00.00 TO STA. 74+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 74+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:45:57 AM USER: brieder
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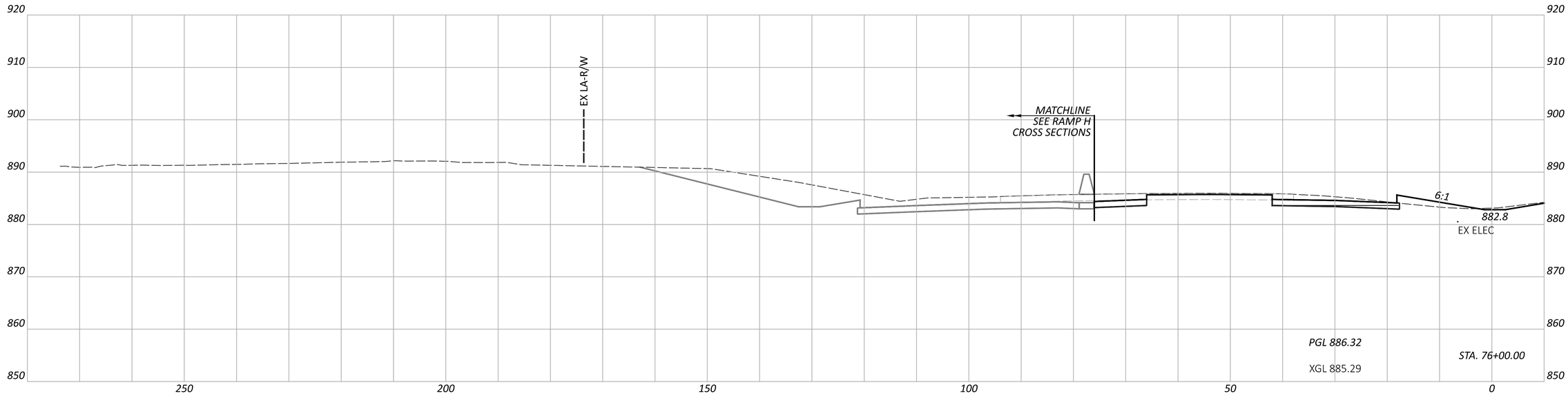
DESIGN AGENCY
STRUCTUREPOINT INC.

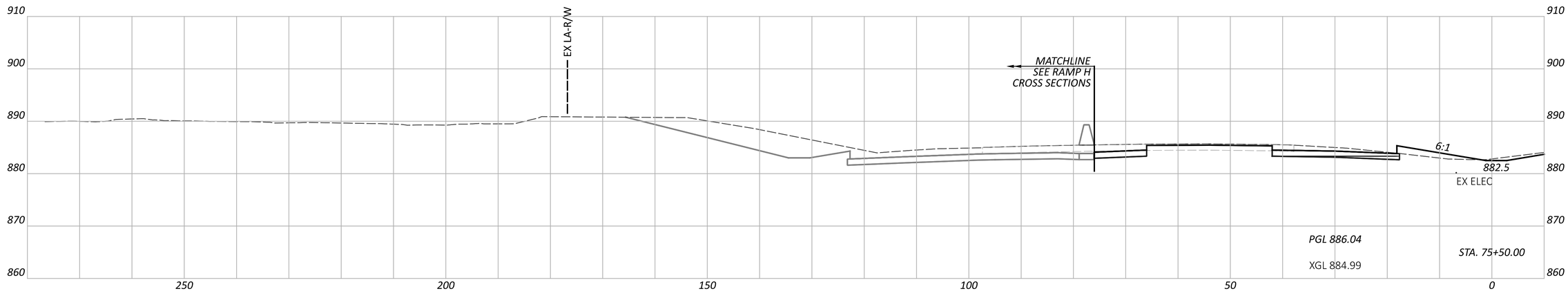
DESIGNER
BER

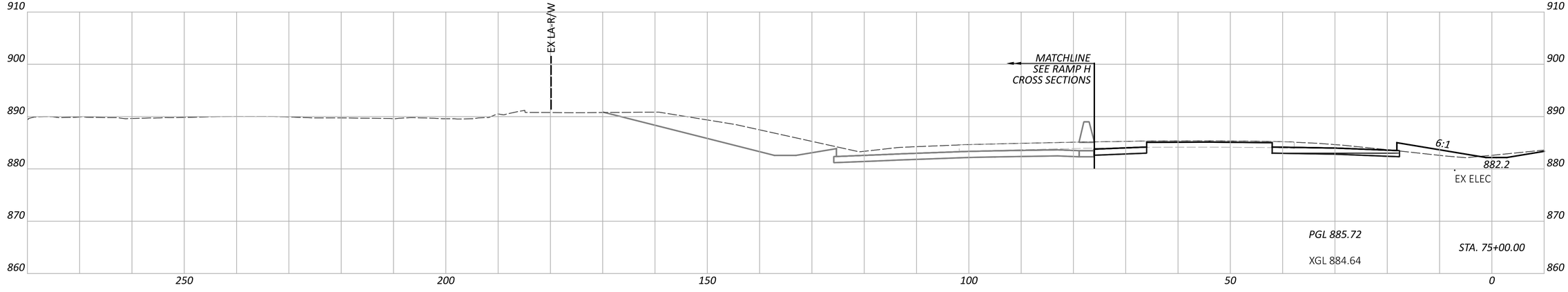
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0535 TOTAL P.1556







CROSS SECTIONS - IR 70 WB
STA. 75+00.00 TO STA. 76+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0536 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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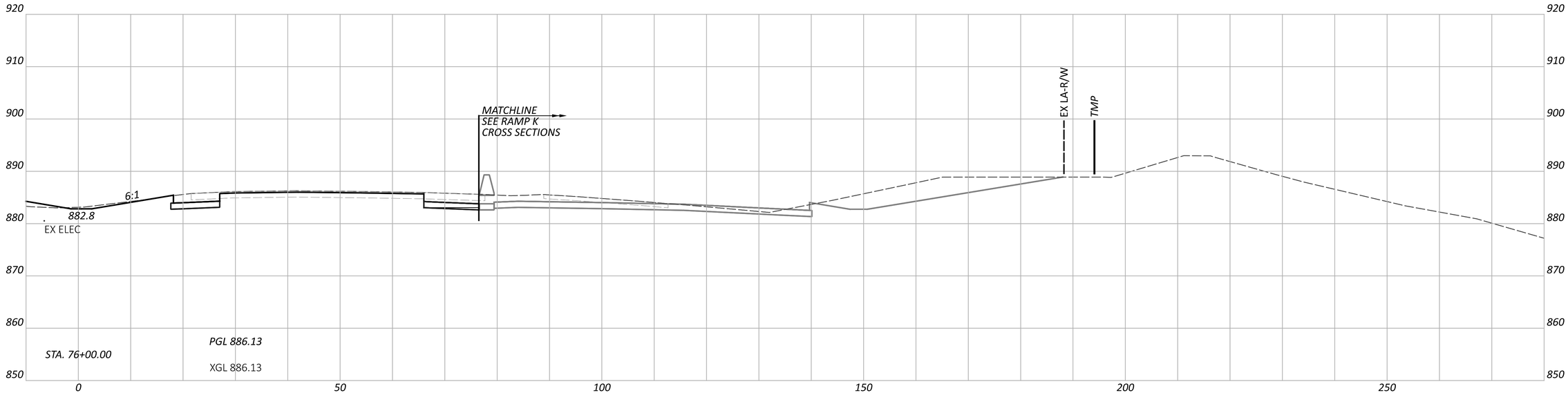

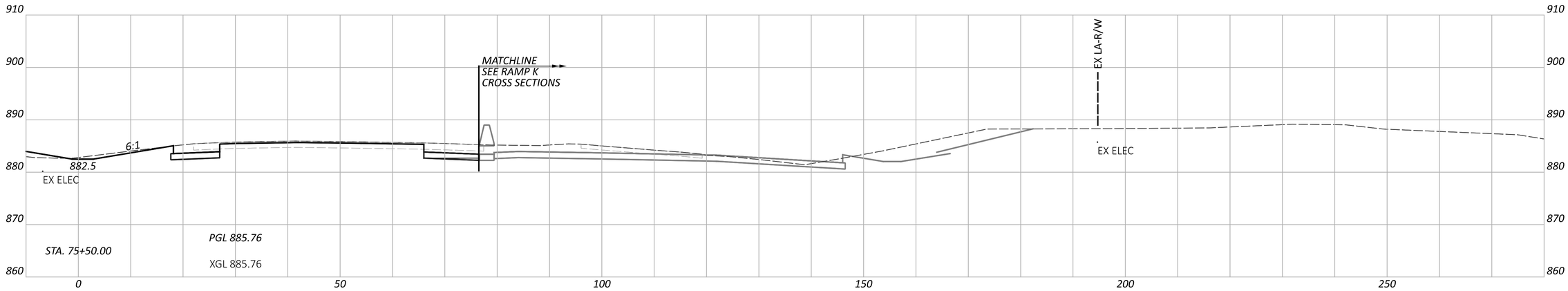

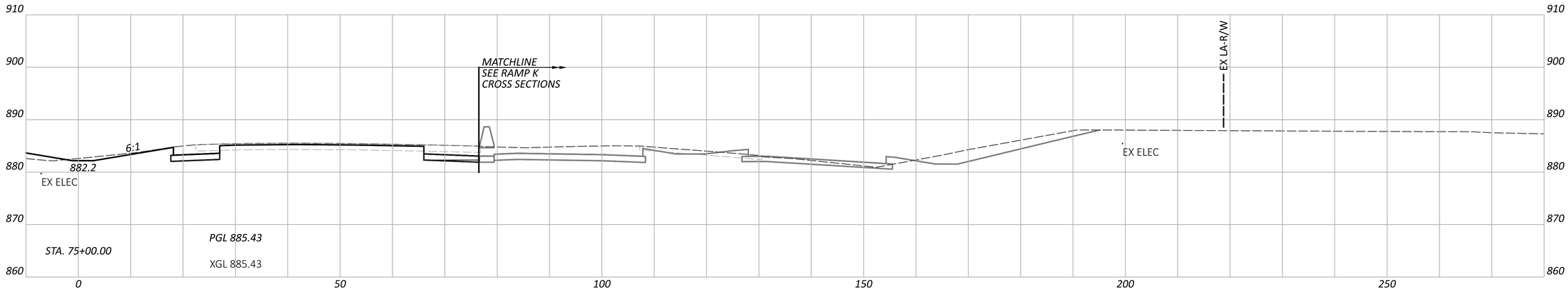

CROSS SECTIONS - IR 70 EB
STA. 75+00.00 TO STA. 76+00.00

FAI/LIC-IR 70-0.00/0.00

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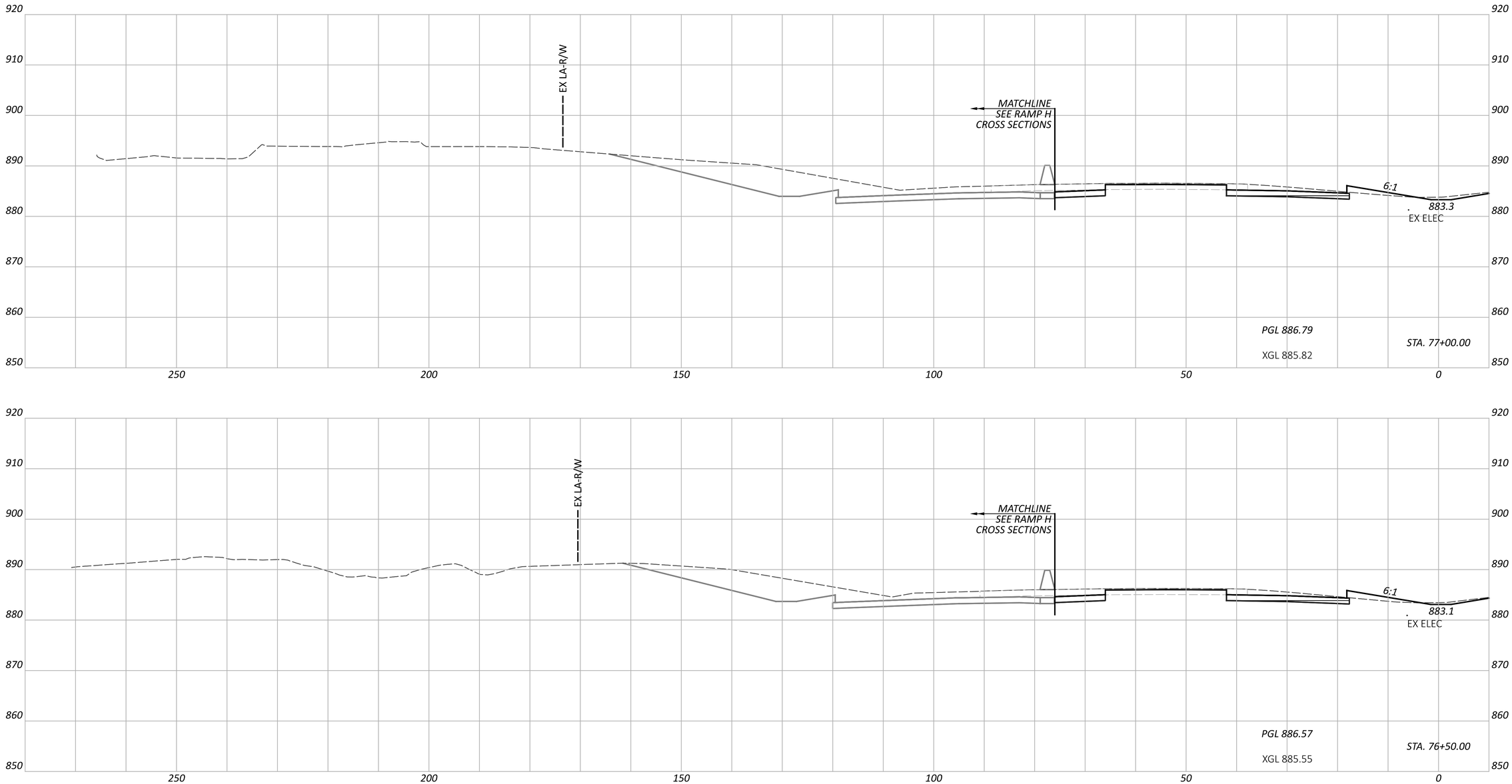
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0537 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 76+50.00 TO STA. 77+00.00

FAI/LIC-IR 70-0.00/0.00

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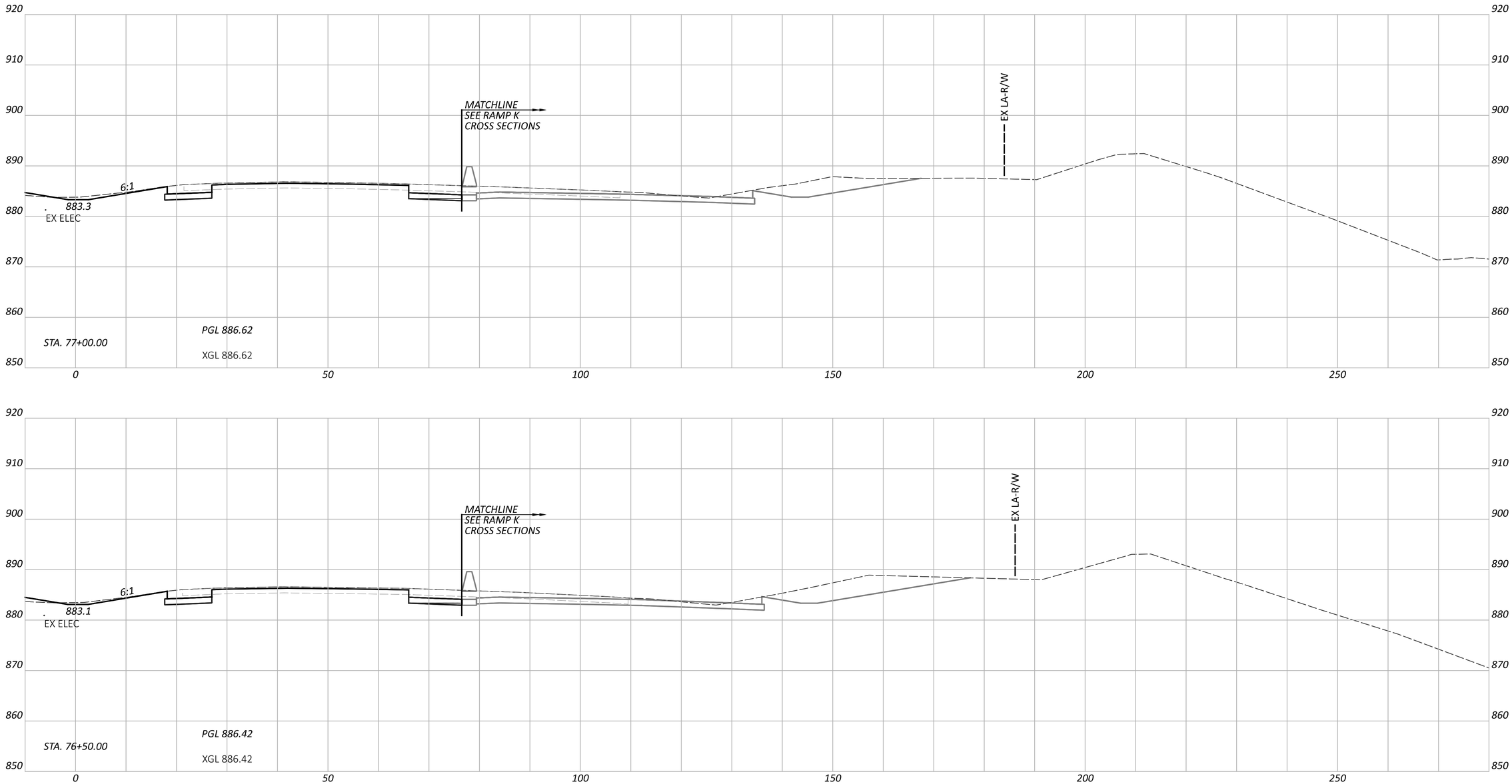
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0538 TOTAL P.1556



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STA. 76+50.00 TO STA. 77+00.00

FAI/LIC-IR 70-0.00/0.00

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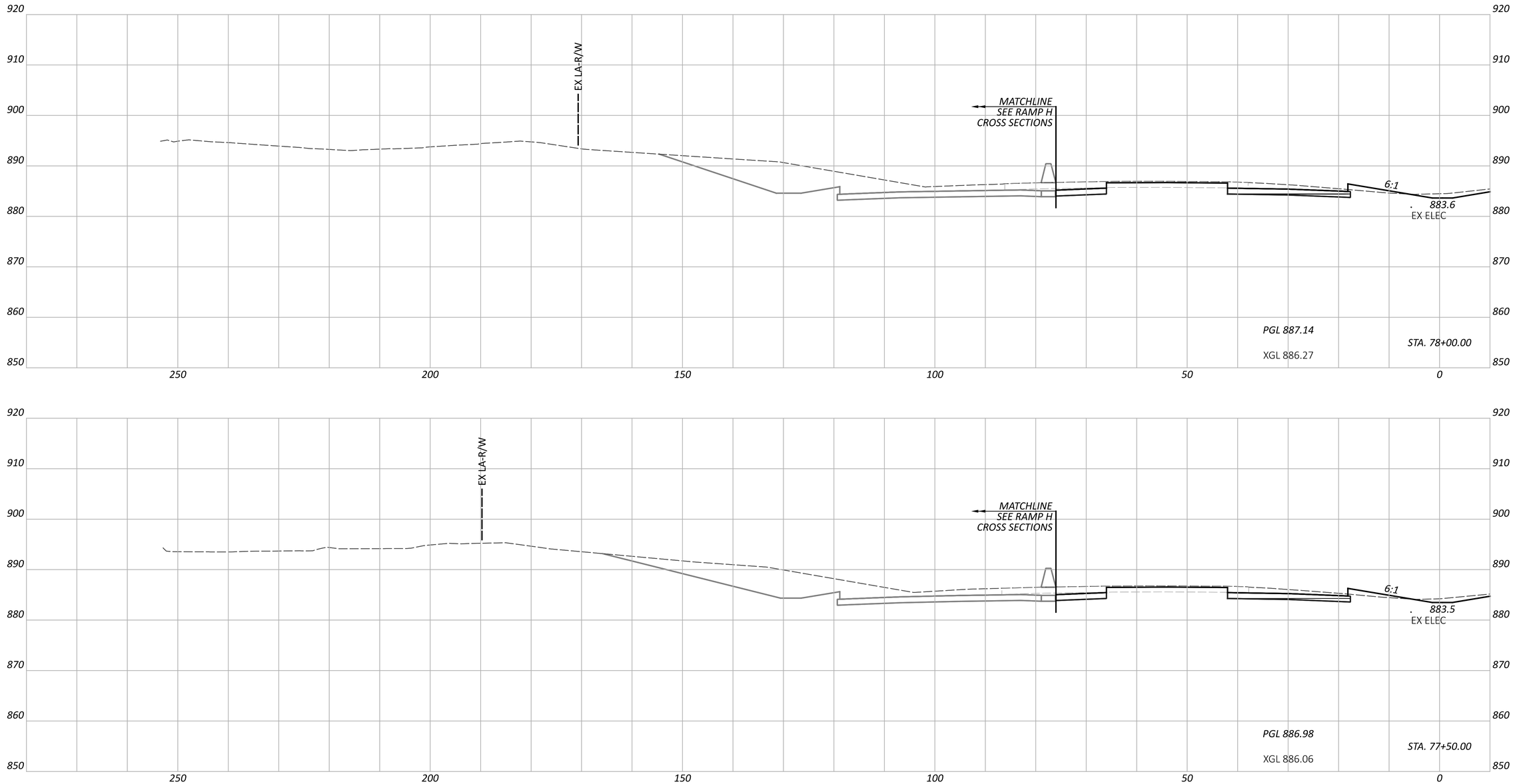
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0539 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 77+50.00 TO STA. 78+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 77+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:46:17 AM USER: brieder
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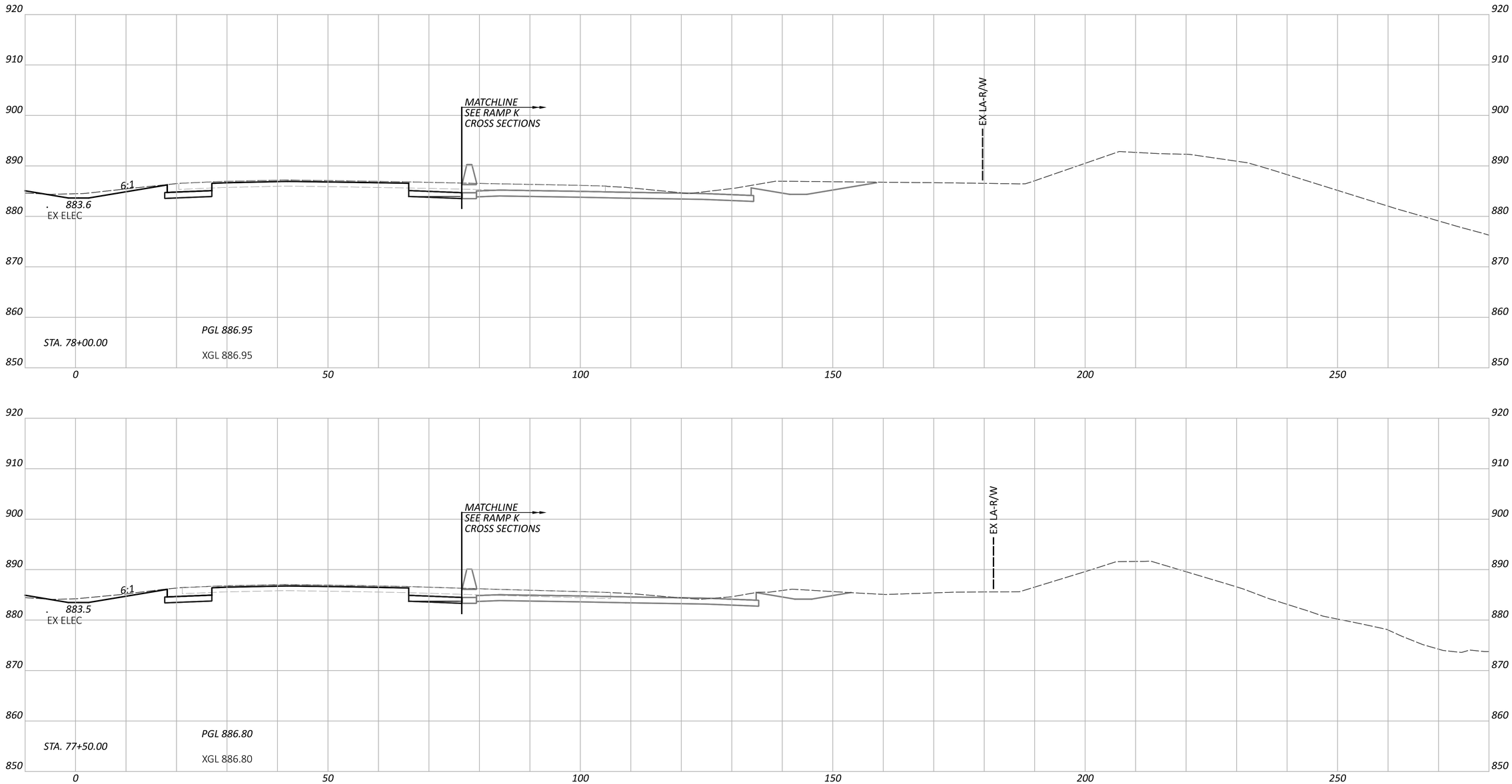
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0540
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 77+50.00 TO STA. 78+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0541 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 78+50.00 TO STA. 79+00.00

FAI/LIC-IR 70-0.00/0.00

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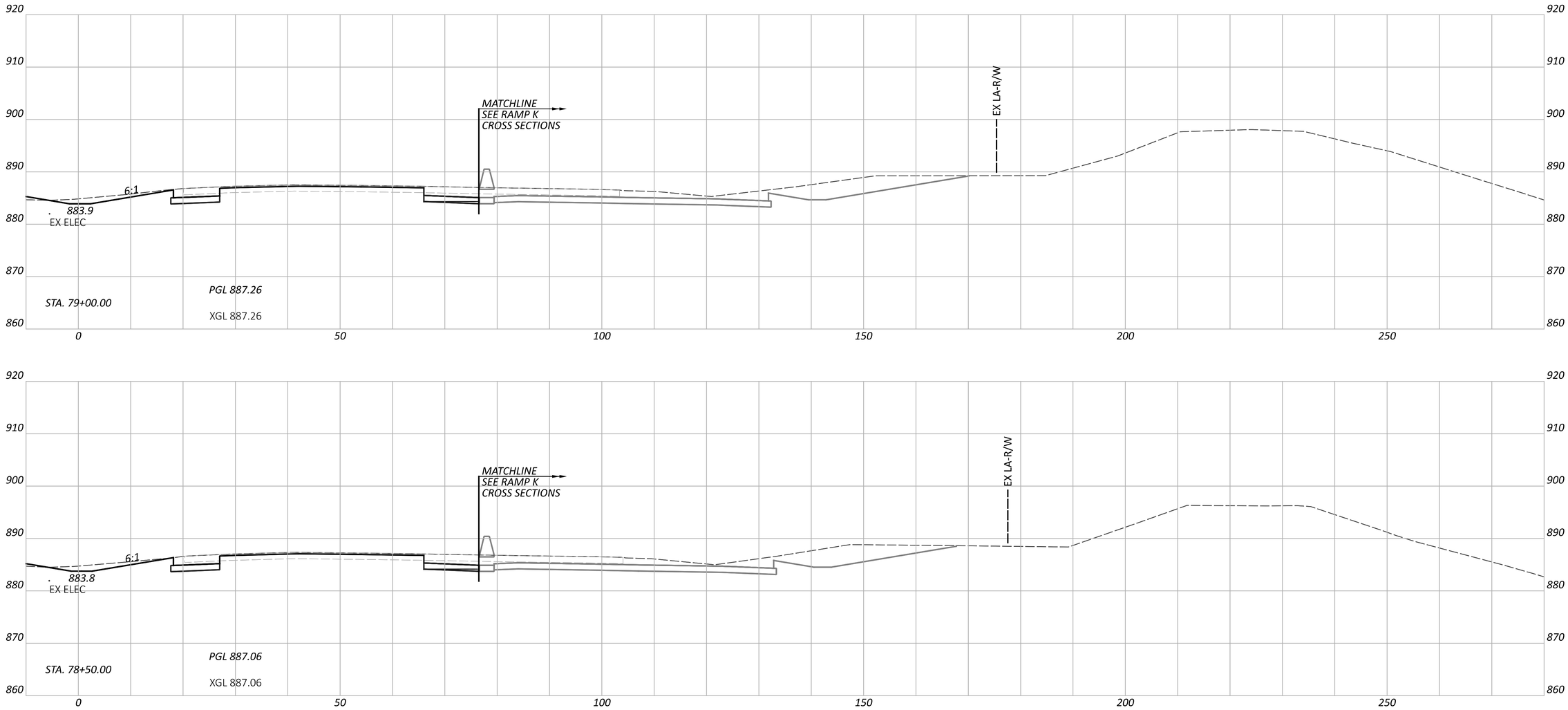
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0542
TOTAL	P.1556



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STA. 78+50.00 TO STA. 79+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0543
TOTAL	P.1556

CROSS SECTIONS - IR 70 WB
STA. 79+50.00 TO STA. 80+00.00

FAI/LIC-IR 70-0.00/0.00

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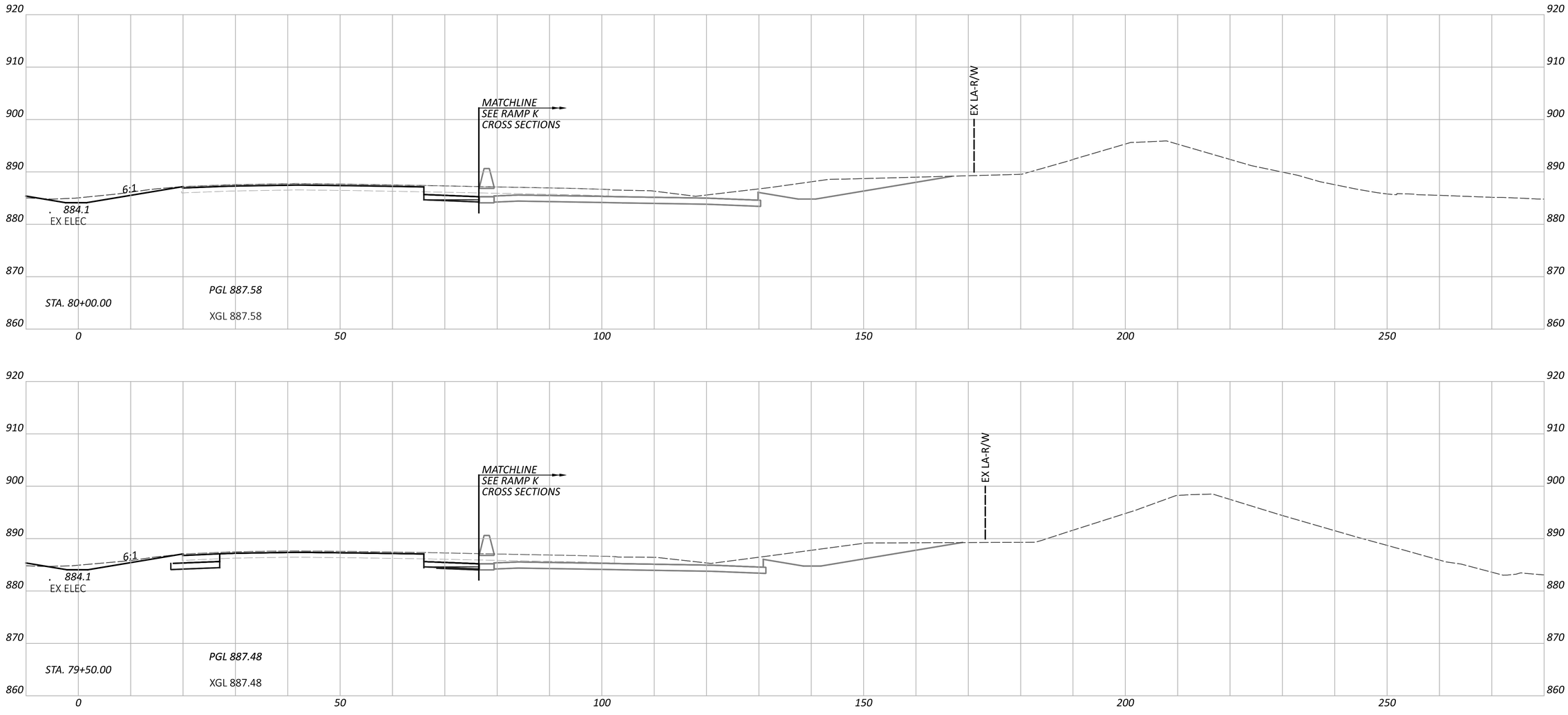
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0544
TOTAL	P.1556



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FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0545 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 80+50.00 TO STA. 81+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 80+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:46:39 AM USER: brieder
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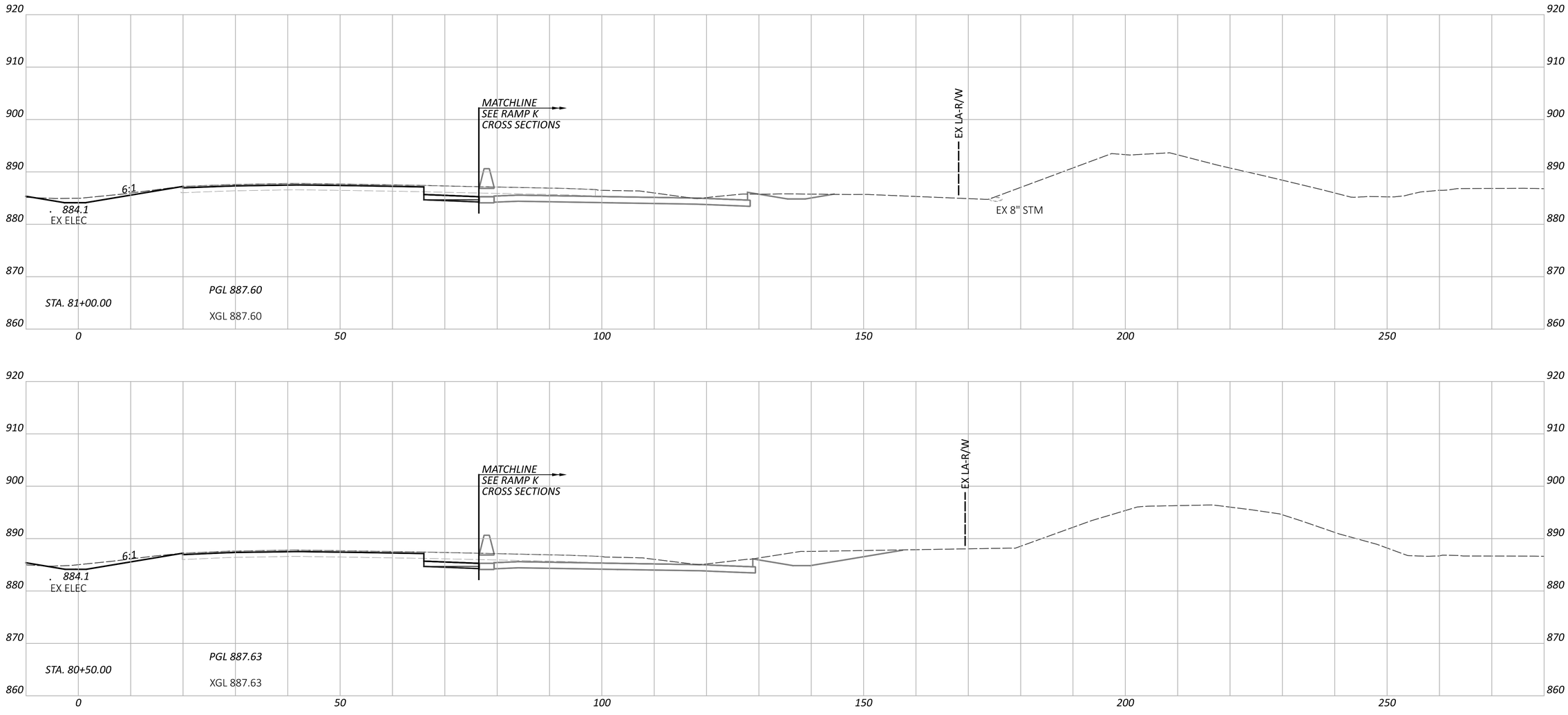
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0546 TOTAL P.1556



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STA. 80+50.00 TO STA. 81+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0547 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 81+50.00 TO STA. 82+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 81+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:46:46 AM USER: brieder
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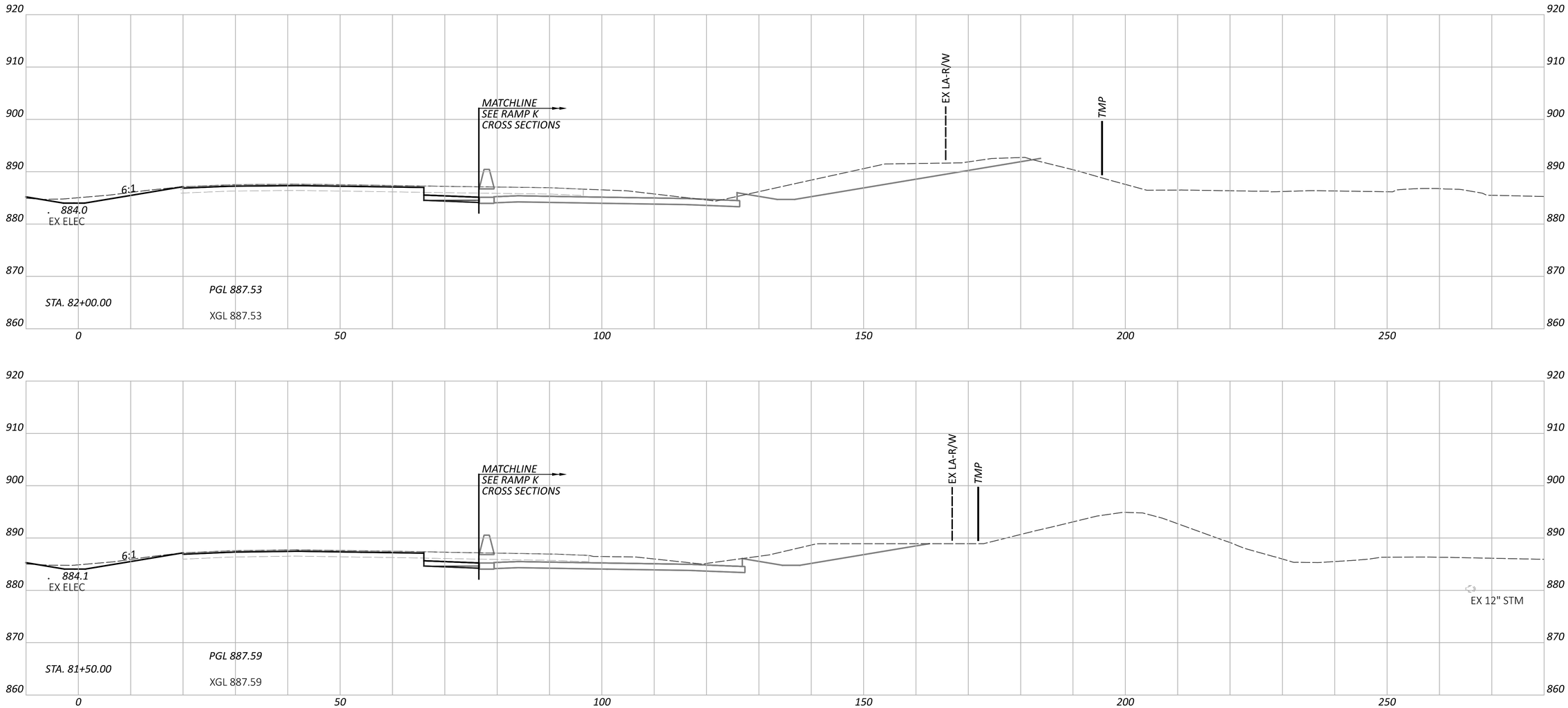
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0548
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 81+50.00 TO STA. 82+00.00

FAI/LIC-IR 70-0.00/0.00

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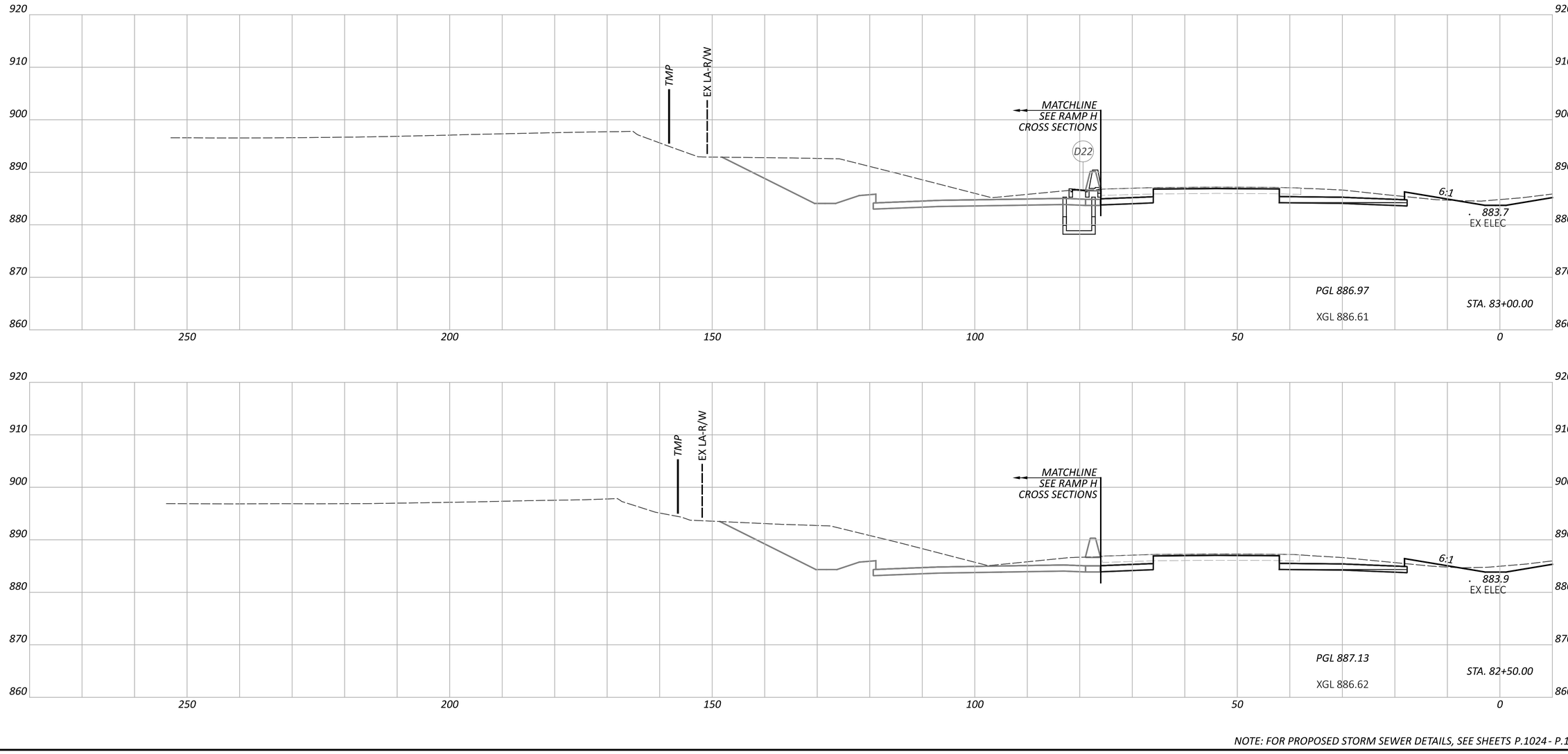
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0549
TOTAL	P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 82+50.00 TO STA. 83+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 82+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:46:52 AM USER: brieder
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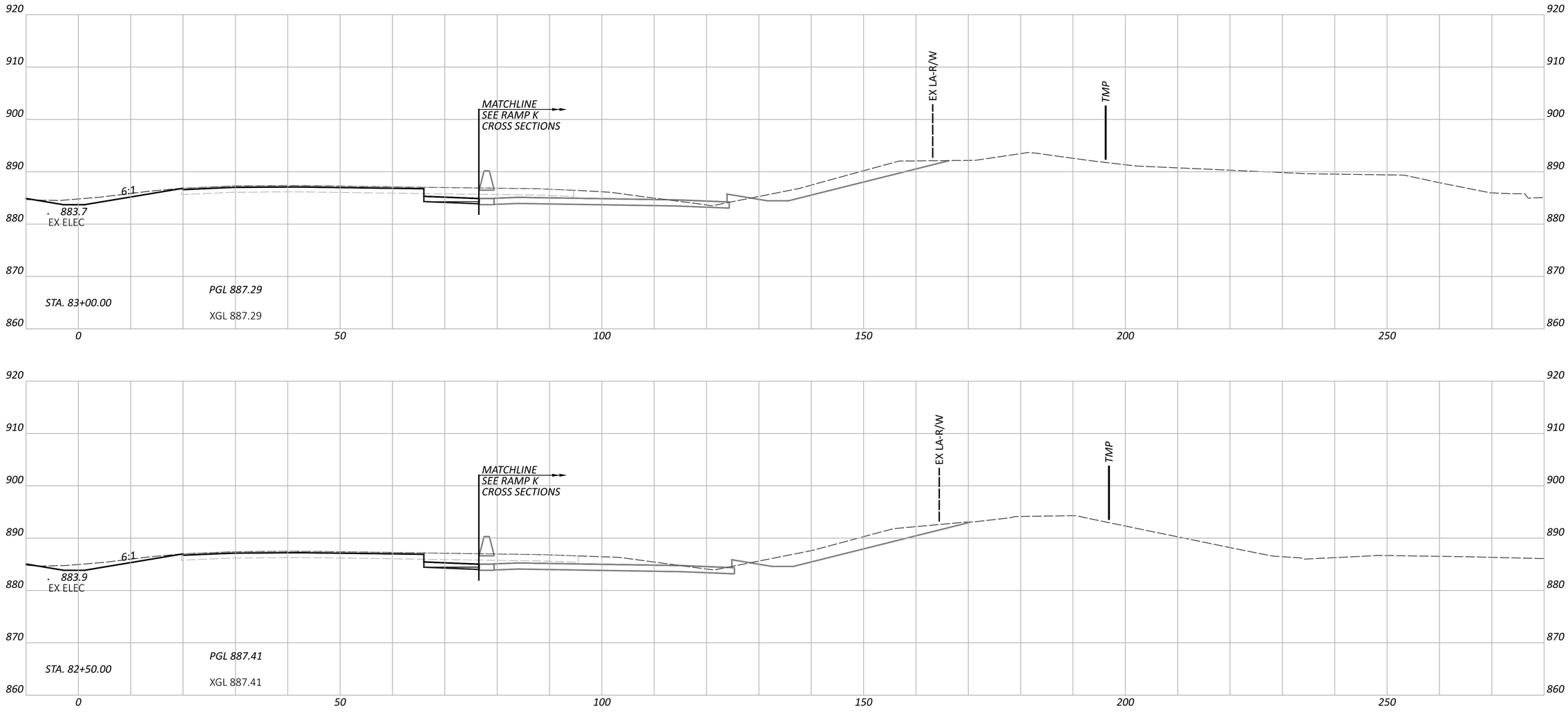
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0550
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 82+50.00 TO STA. 83+00.00

FAI/LIC-IR 70-0.00/0.00

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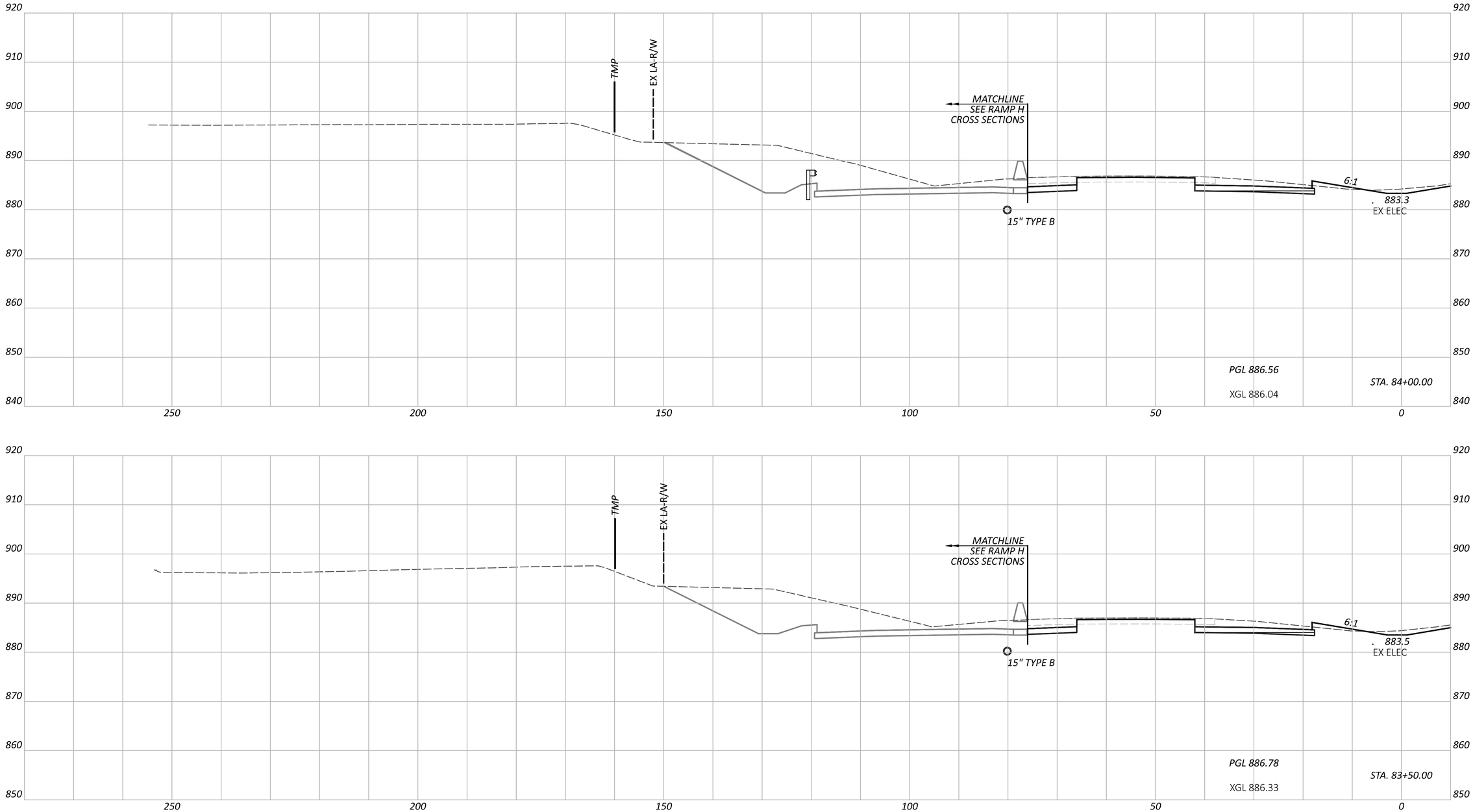
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0551 TOTAL P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 83+50.00 TO STA. 84+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 83+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:46:59 AM USER: brieder
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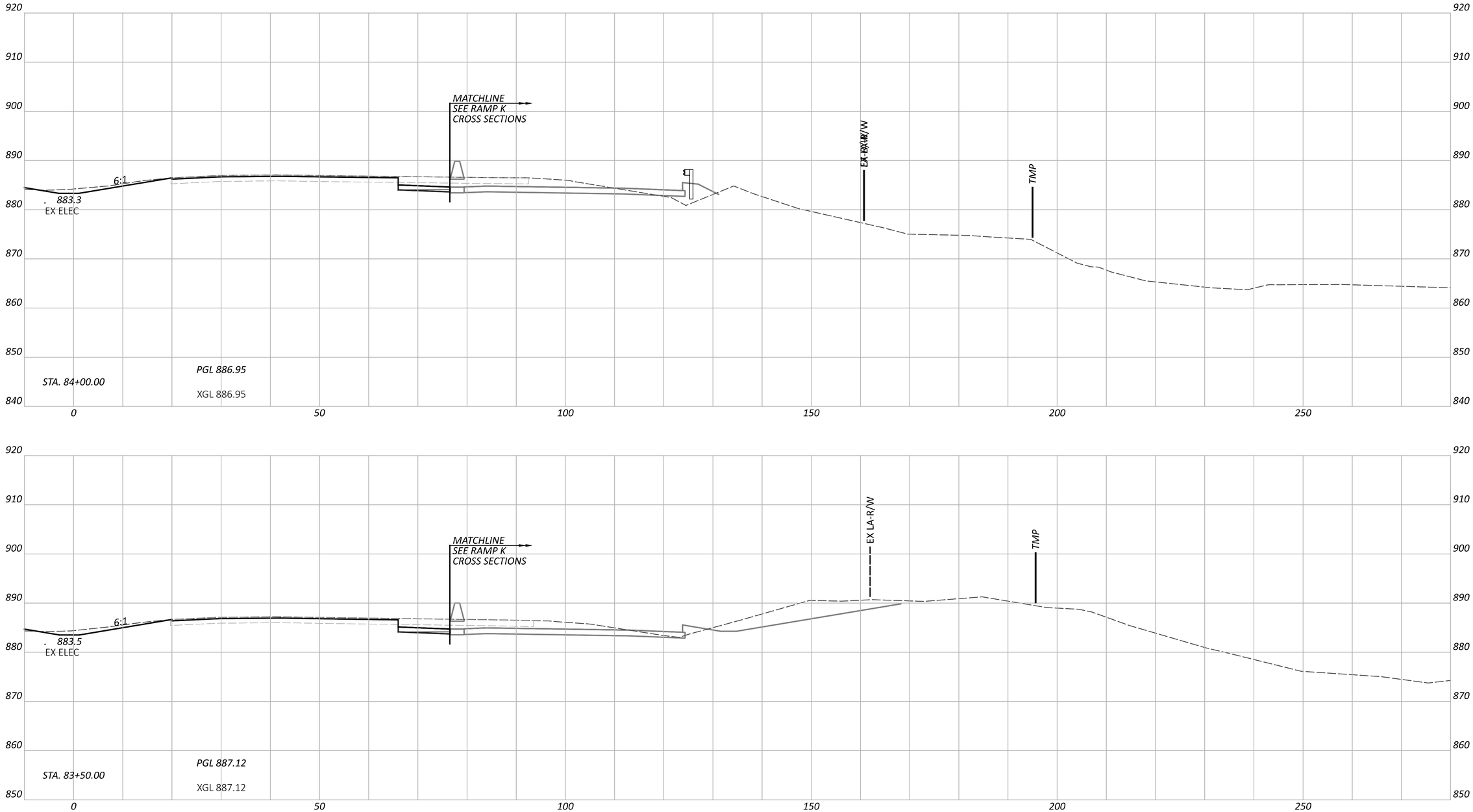
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0552
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 83+50.00 TO STA. 84+00.00

FAI/LIC-IR 70-0.00/0.00

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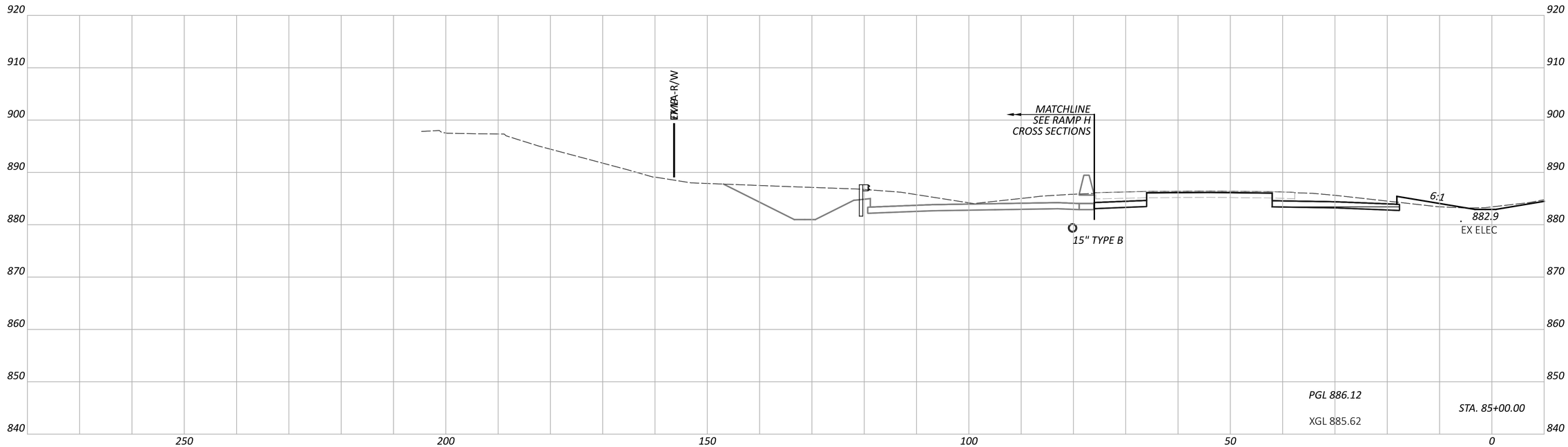
DESIGN AGENCY
STRUCTUREPOINT INC.

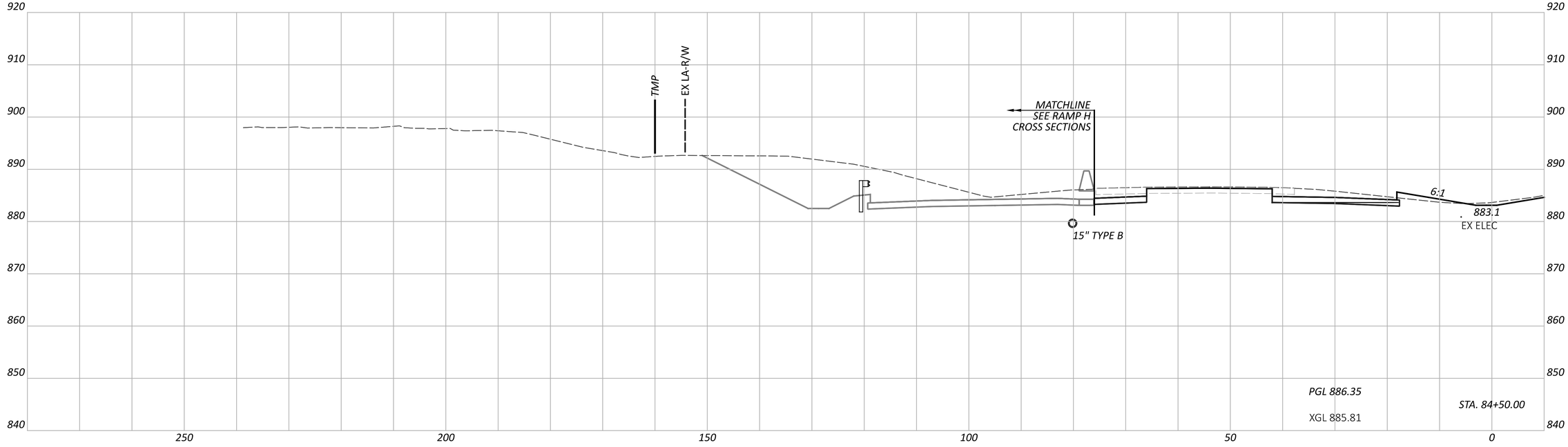
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0553 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 84+50.00 TO STA. 85+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 84+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:47:06 AM USER: brieder
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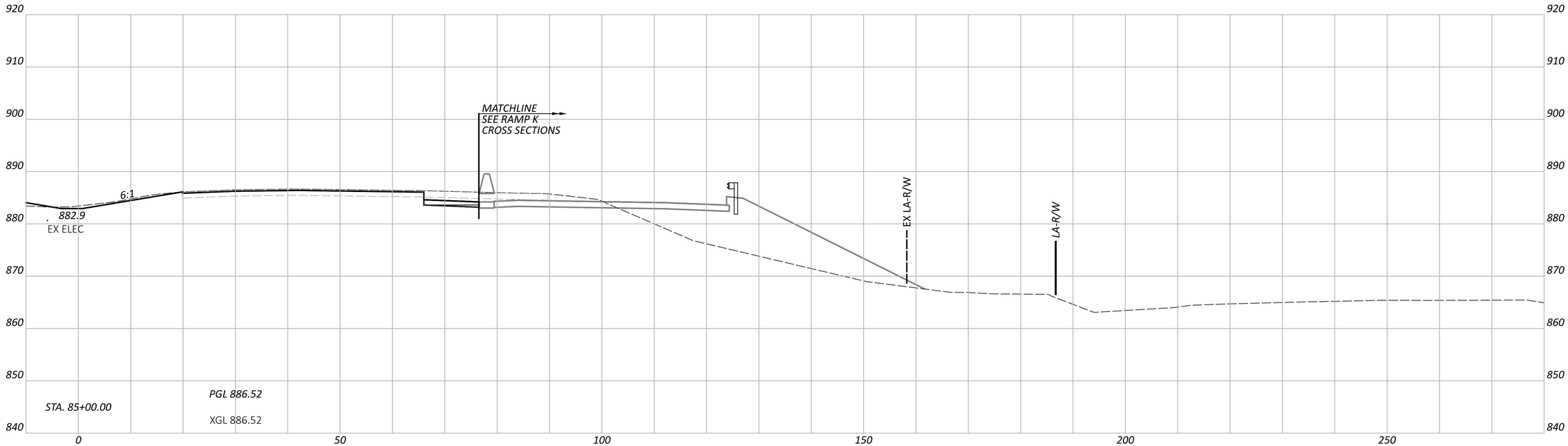
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

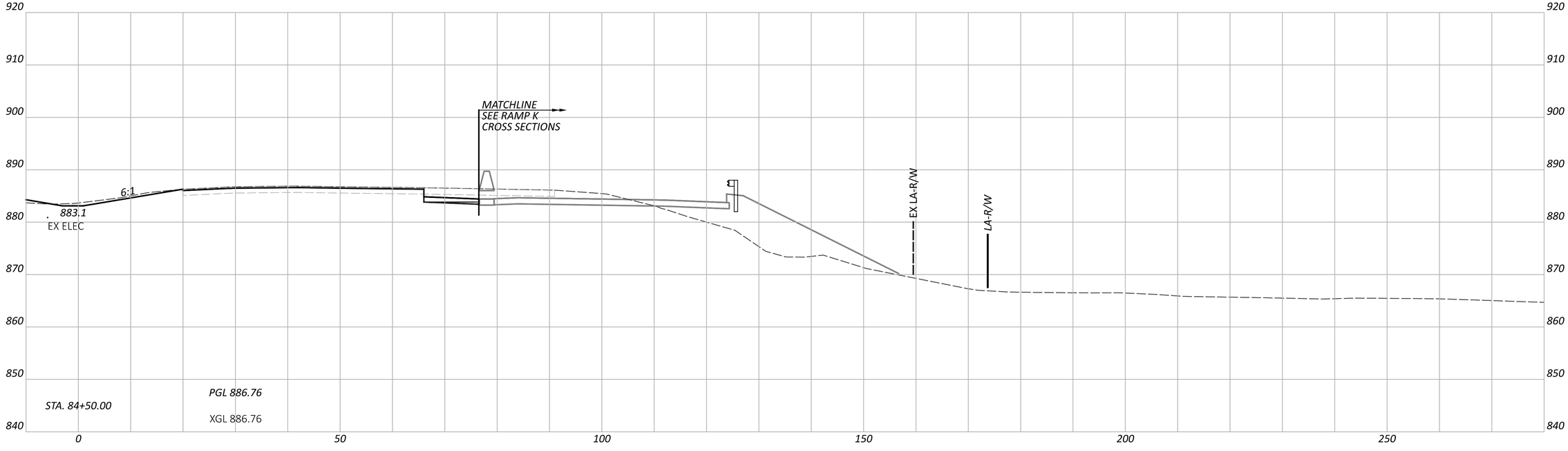
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0554 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 84+50.00 TO STA. 85+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 84+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:47:10 AM USER: brieder
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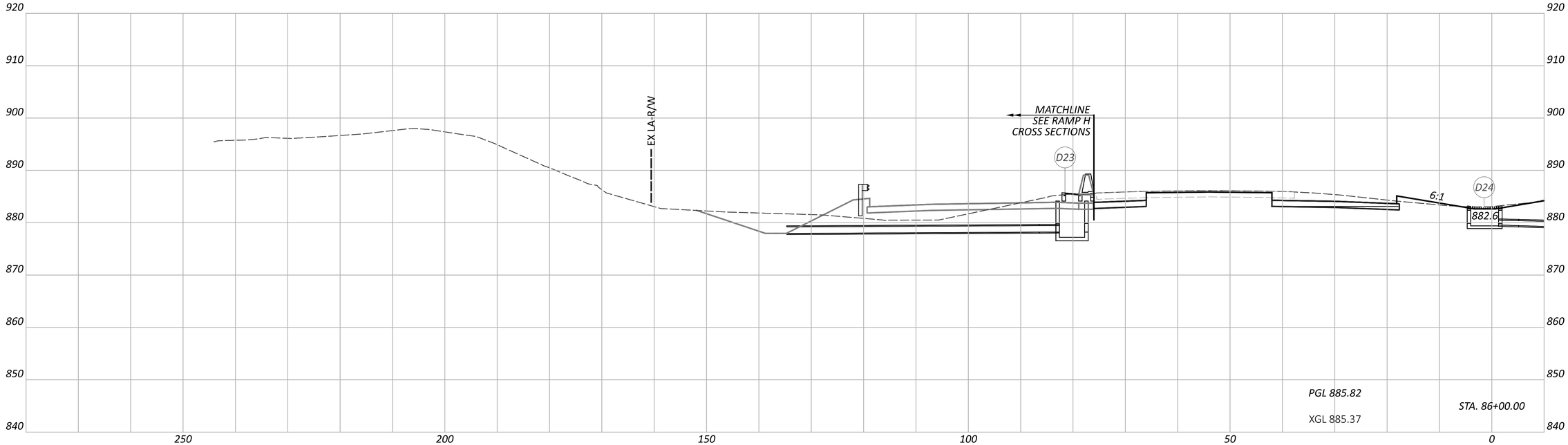
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

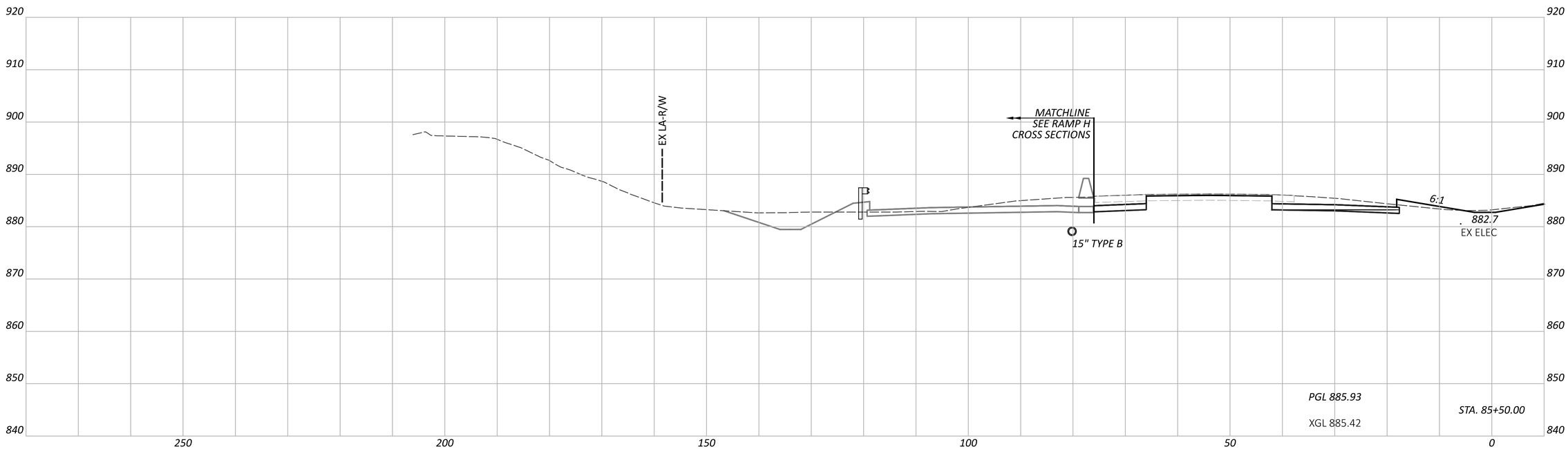
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0555 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 85+50.00 TO STA. 86+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 85+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:47:13 AM USER: brieder
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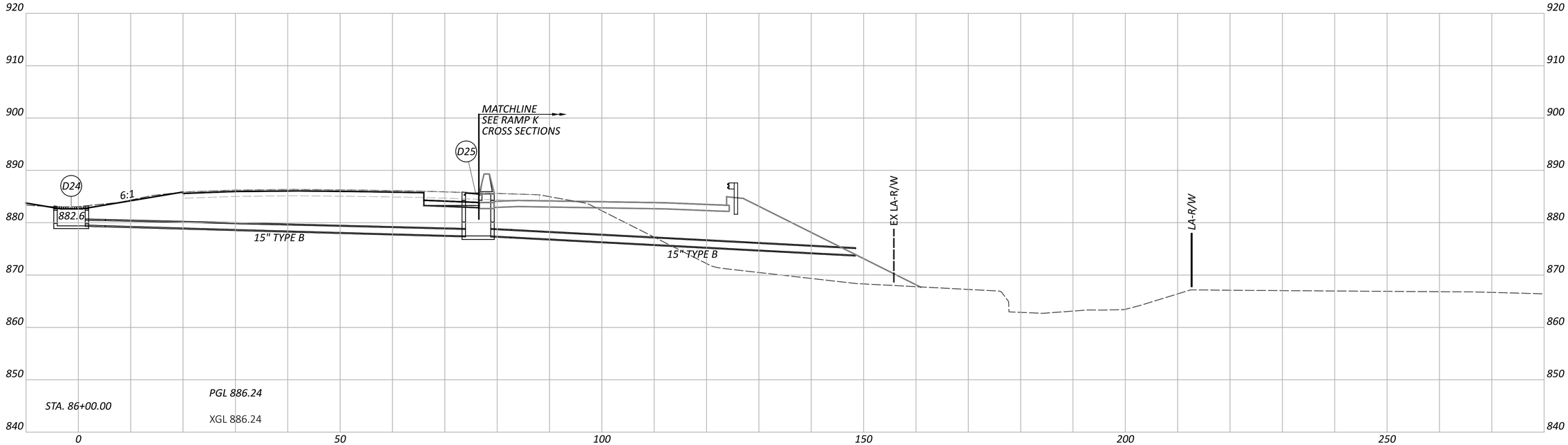
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

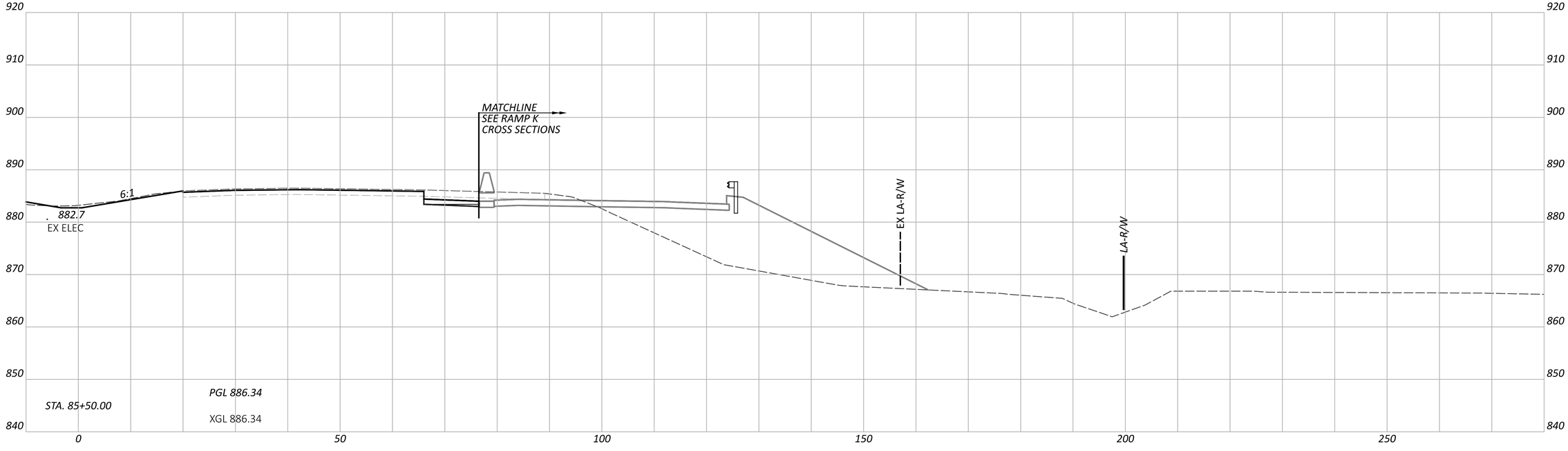
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0556 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 85+50.00 TO STA. 86+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0557 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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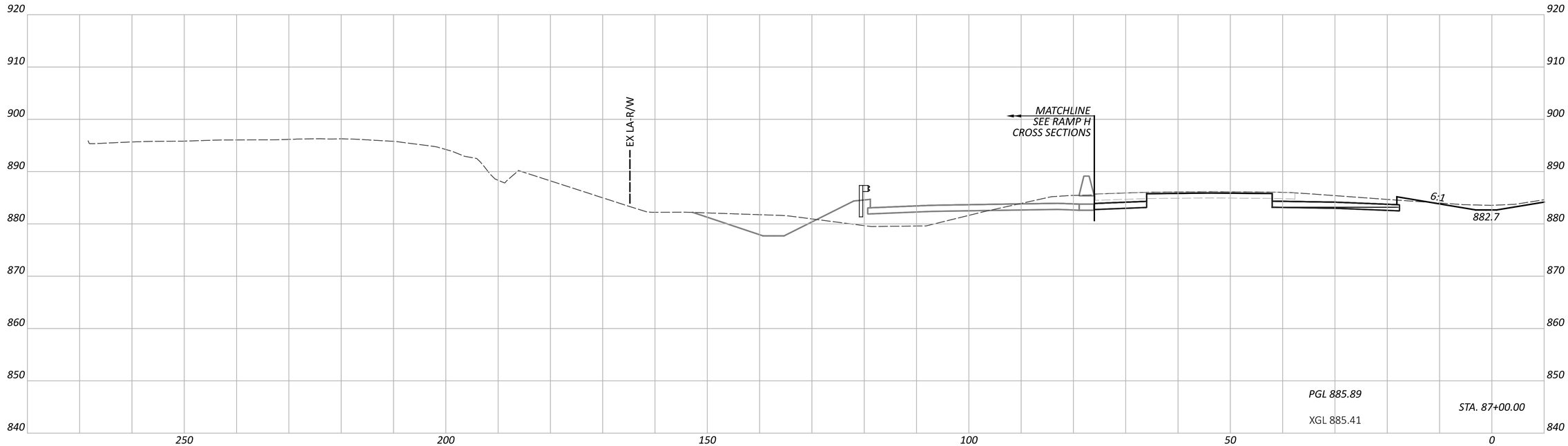

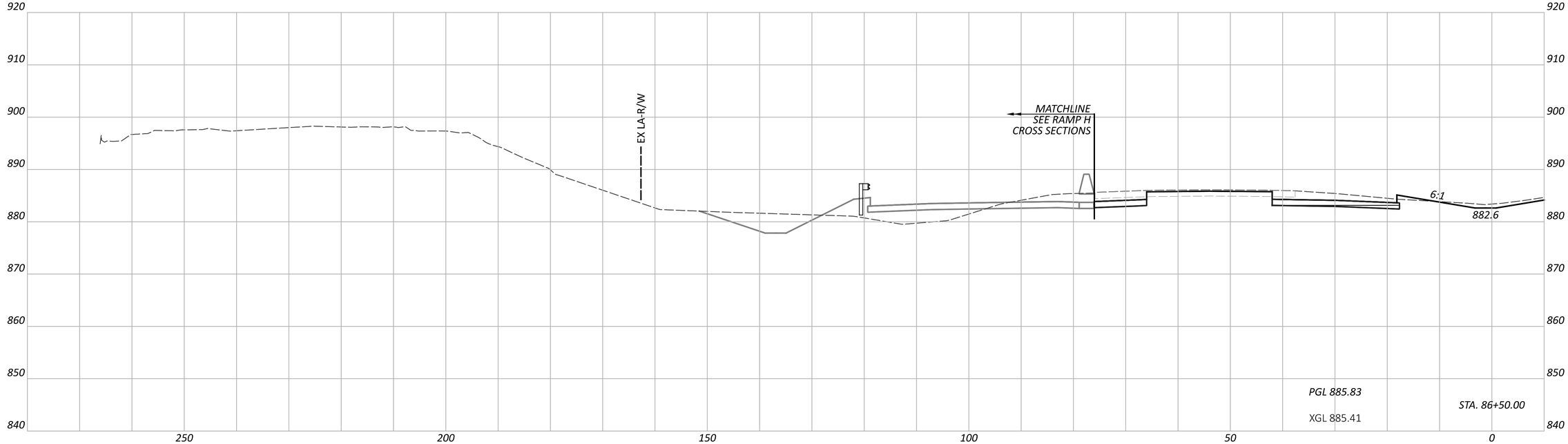

CROSS SECTIONS - IR 70 WB
STA. 86+50.00 TO STA. 87+00.00

FAI/LIC-IR 70-0.00/0.00

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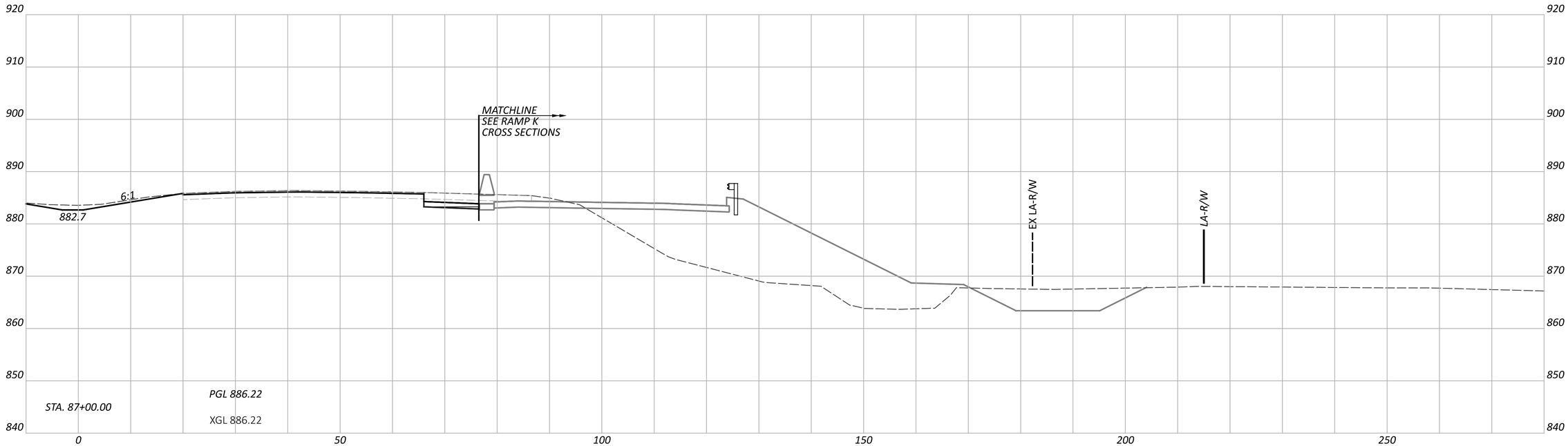
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

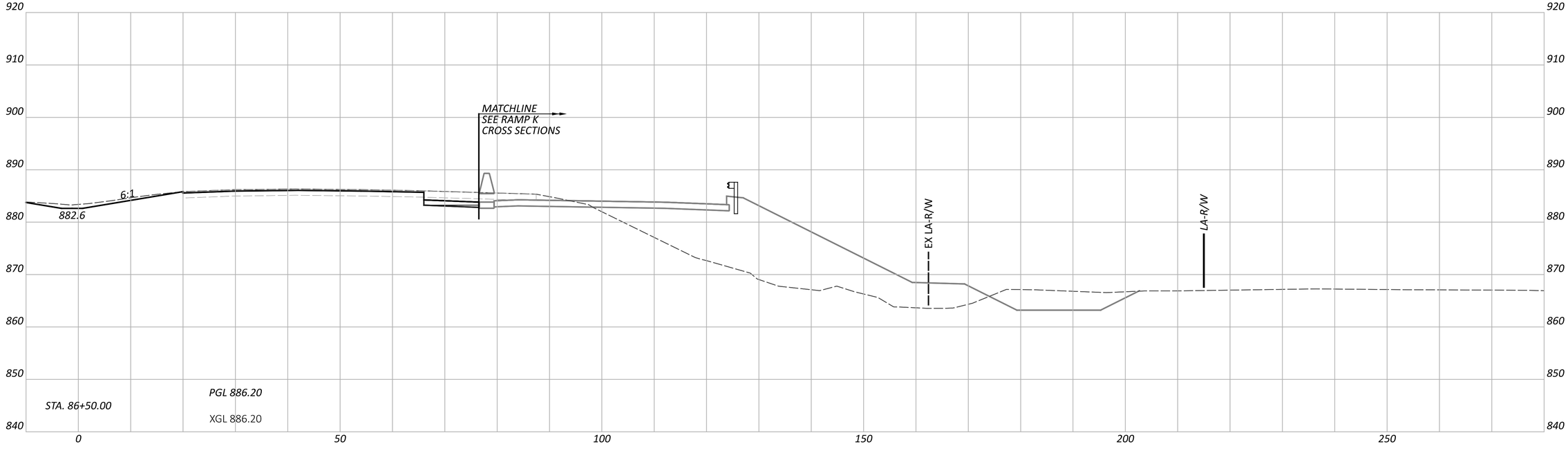
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0558 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 86+50.00 TO STA. 87+00.00

FAI/LIC-IR 70-0.00/0.00

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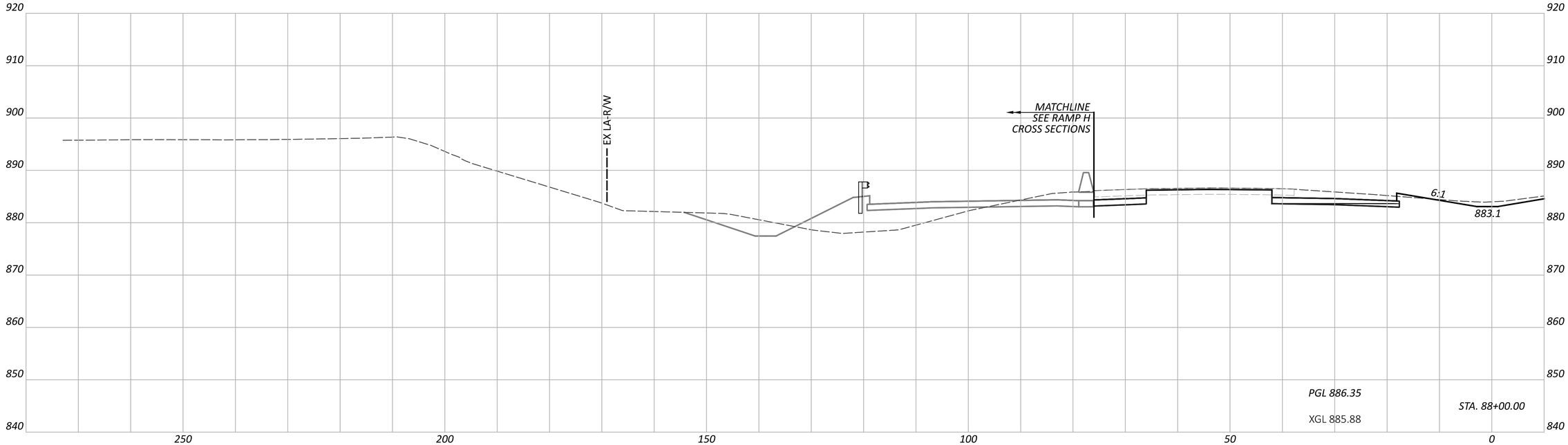
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

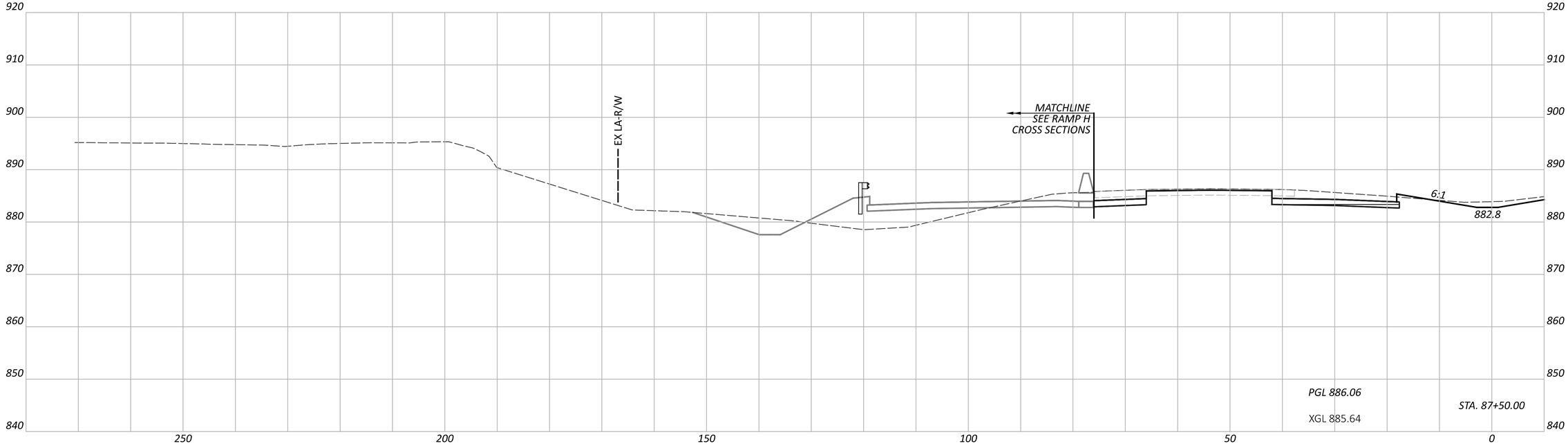
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0559 | TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 87+50.00 TO STA. 88+00.00

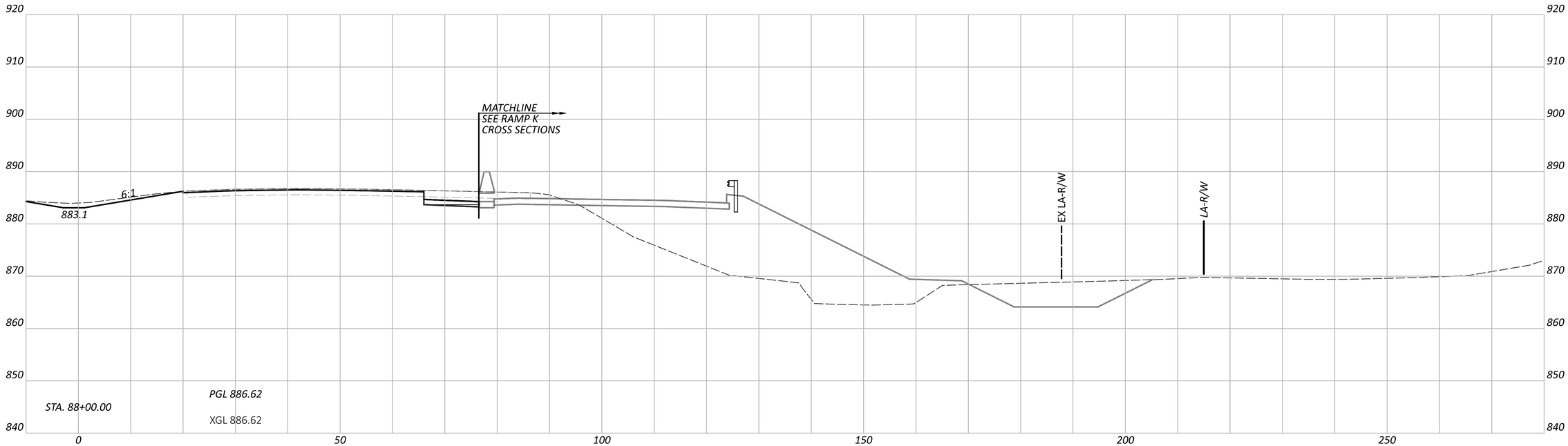
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

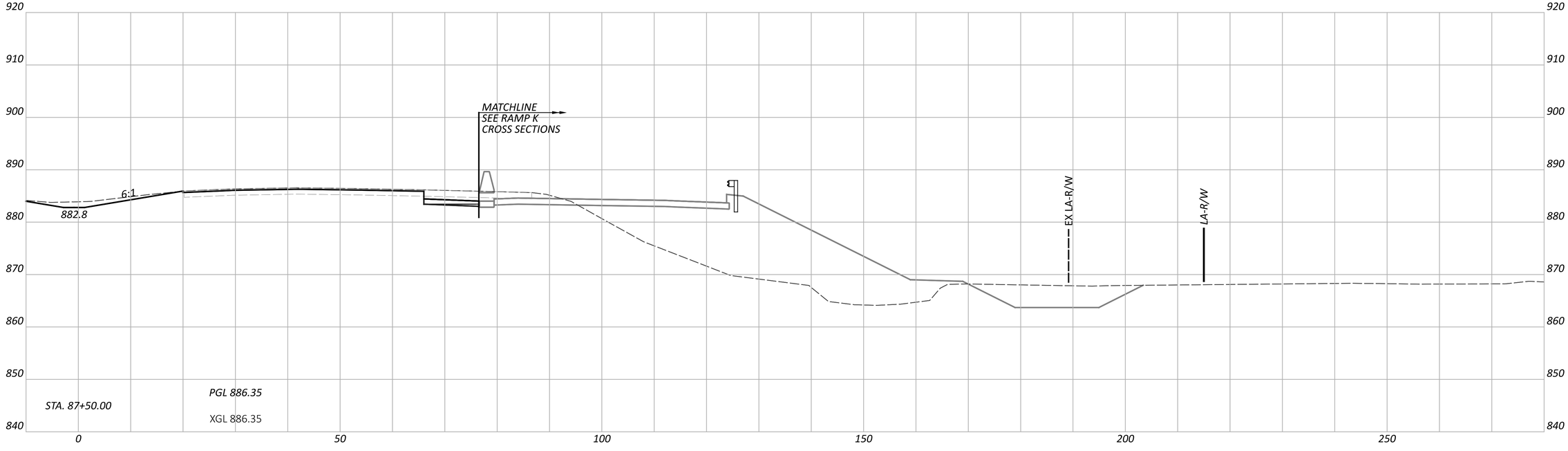
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0560 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 87+50.00 TO STA. 88+00.00

FAI/LIC-IR 70-0.00/0.00

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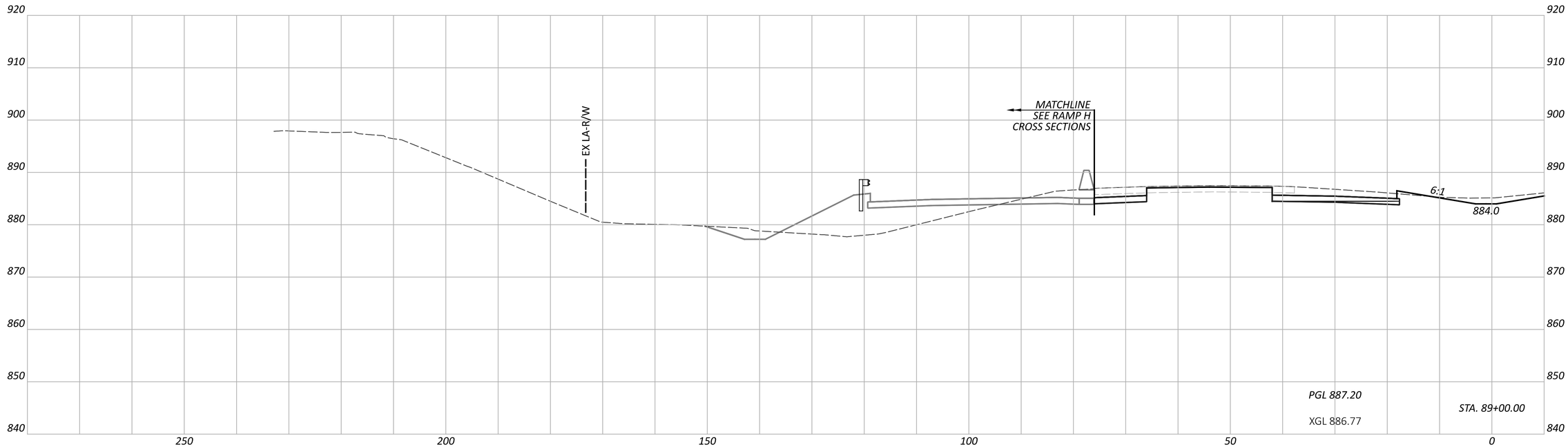
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

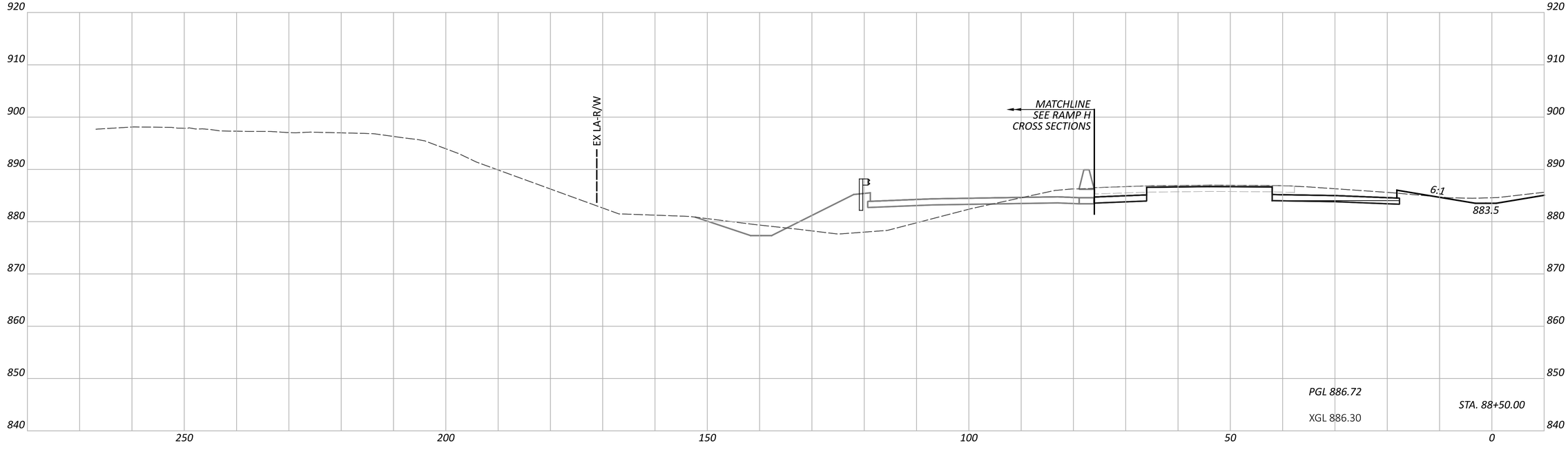
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0561 TOTAL P.1556





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CROSS SECTIONS - IR 70 WB
STA. 88+50.00 TO STA. 89+00.00

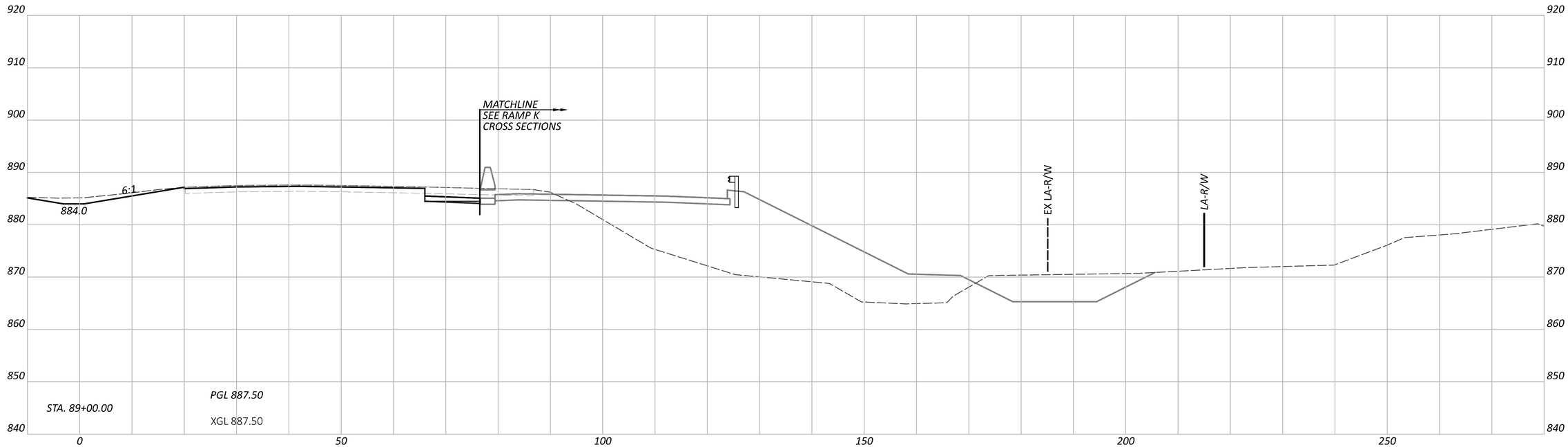
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

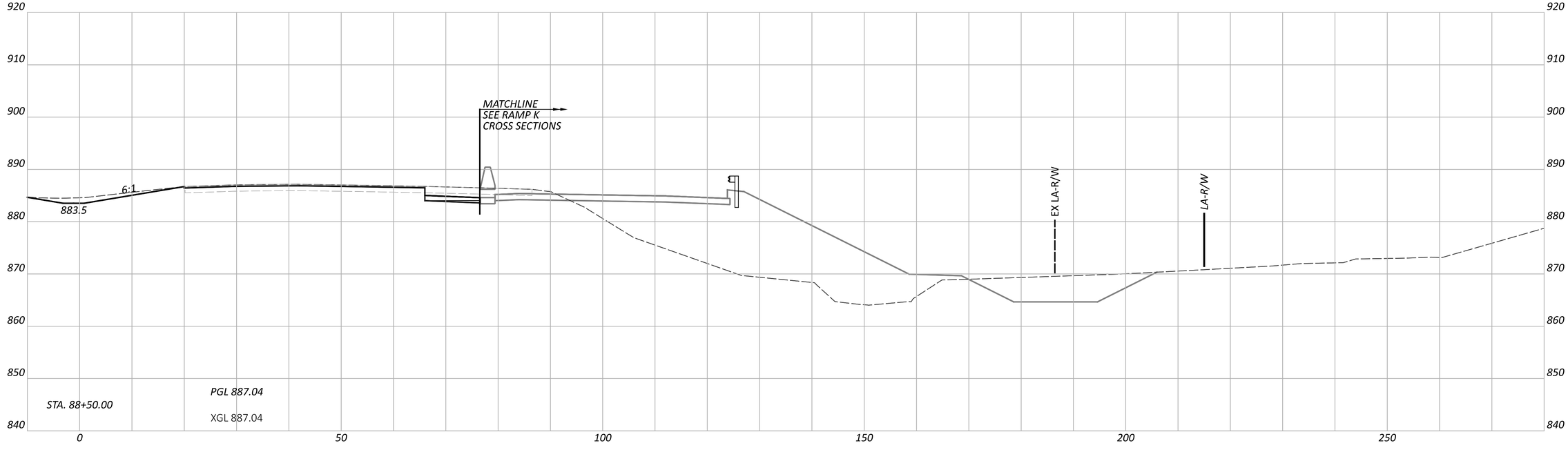
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0562 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 88+50.00 TO STA. 89+00.00

FAI/LIC-IR 70-0.00/0.00

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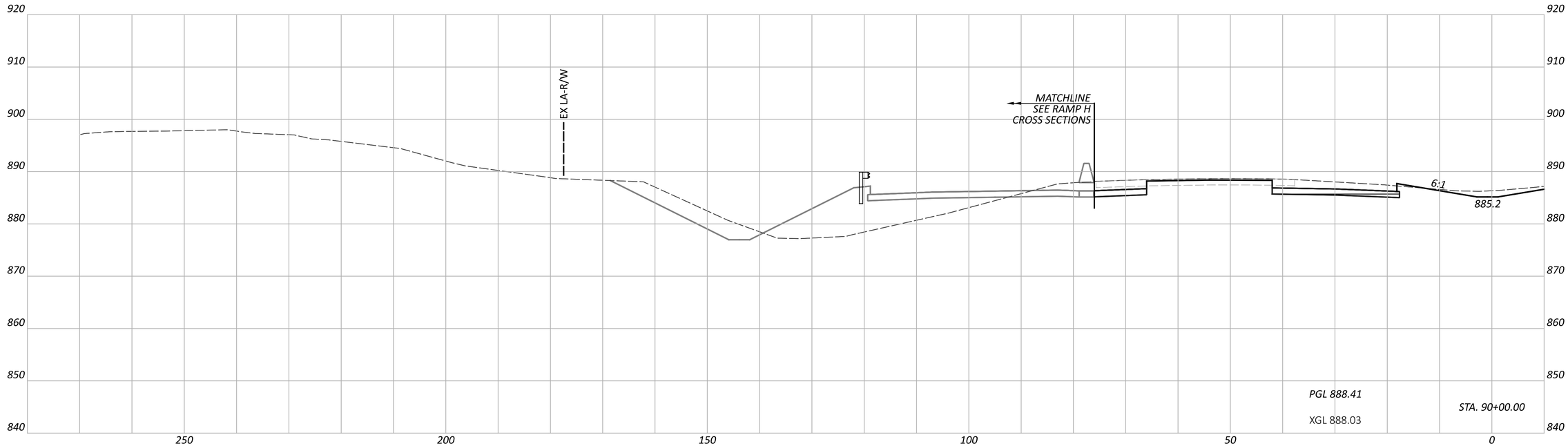
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

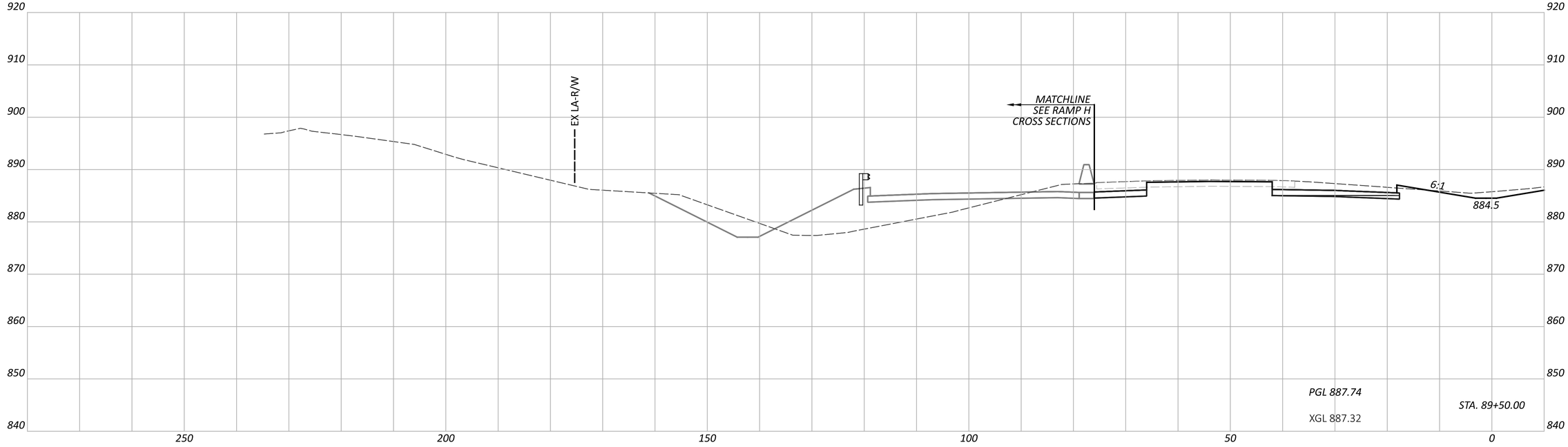
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0563 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 89+50.00 TO STA. 90+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0564 TOTAL P.1556

CROSS SECTIONS - IR 70 EB
STA. 89+50.00 TO STA. 90+00.00

FAI/LIC-IR 70-0.00/0.00

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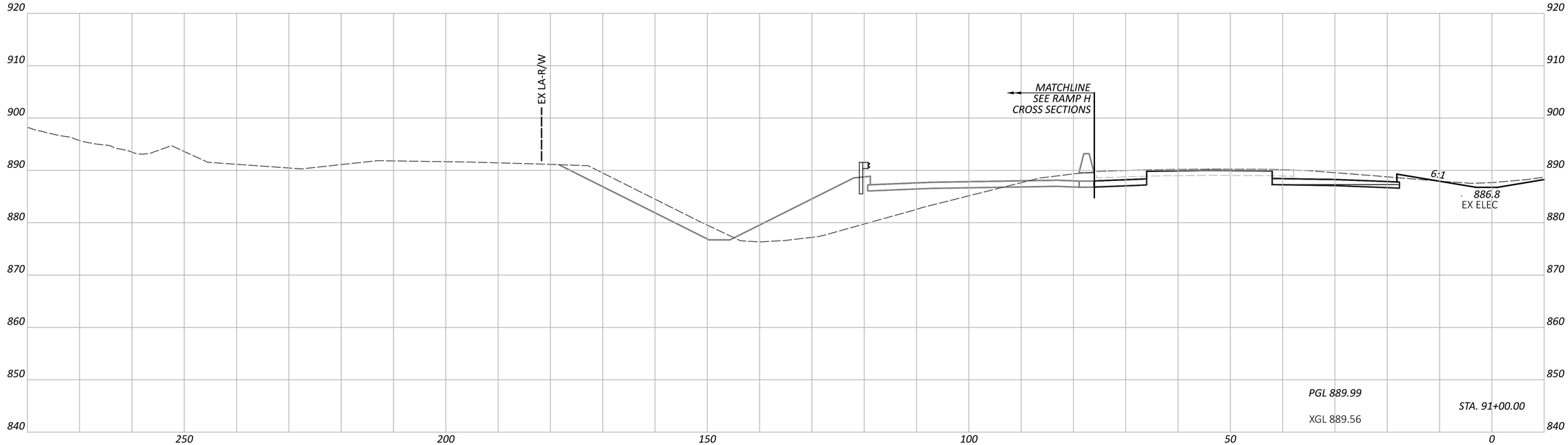
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

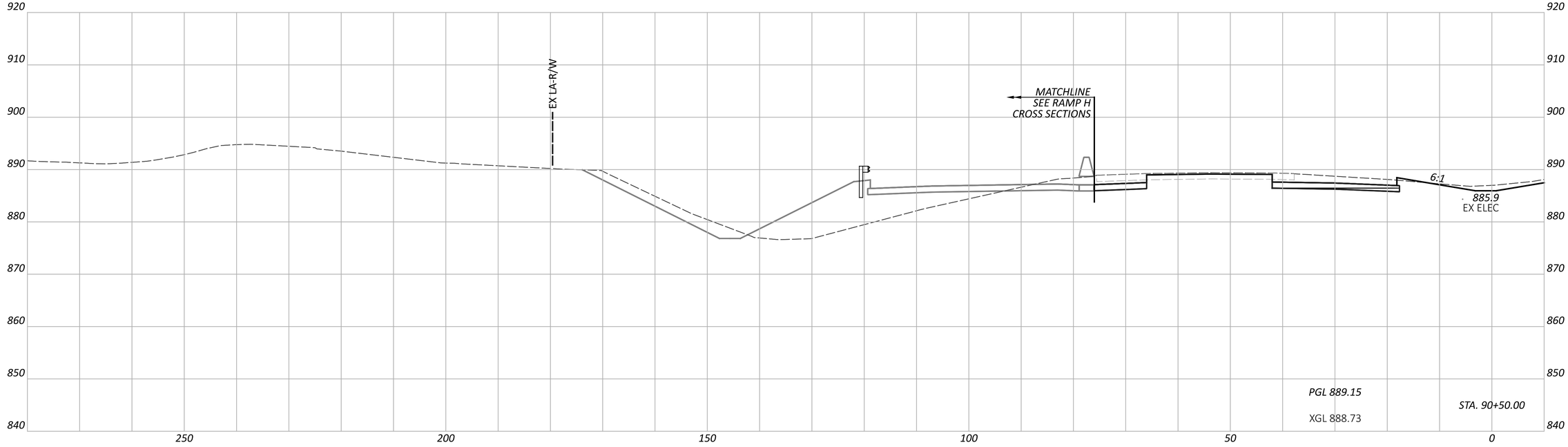
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0565 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 90+50.00 TO STA. 91+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 90+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:48:08 AM USER: brieder
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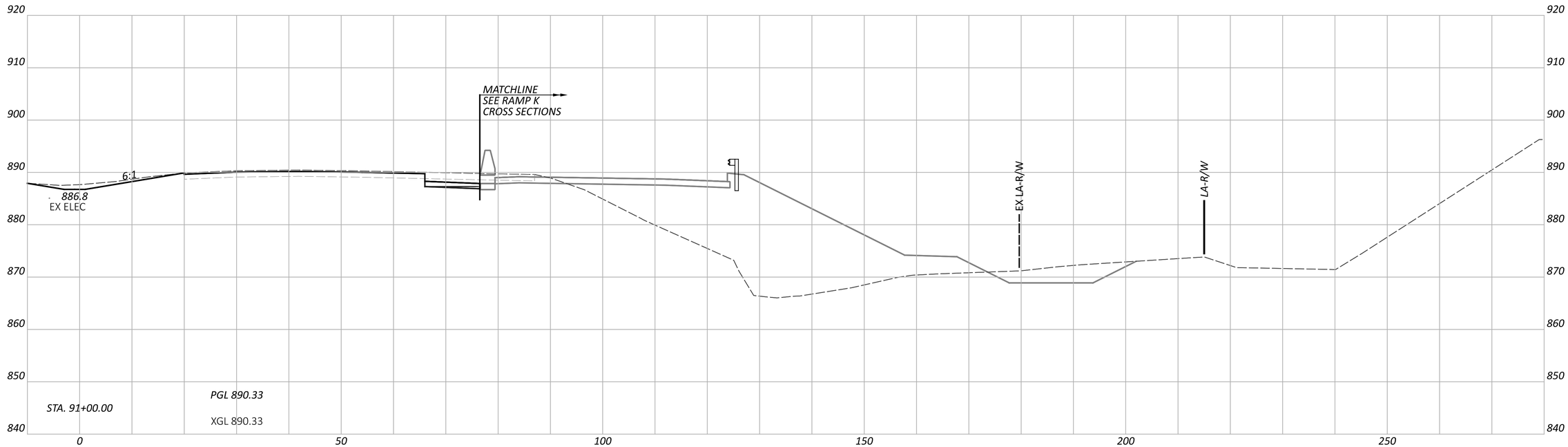
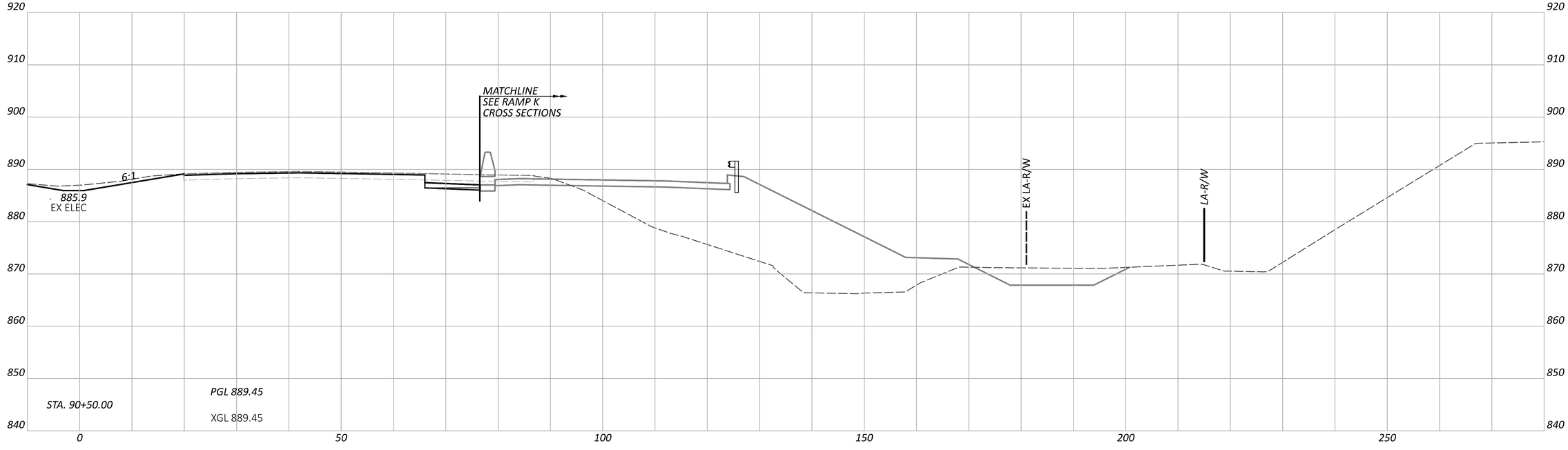
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0566
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 90+50.00 TO STA. 91+00.00

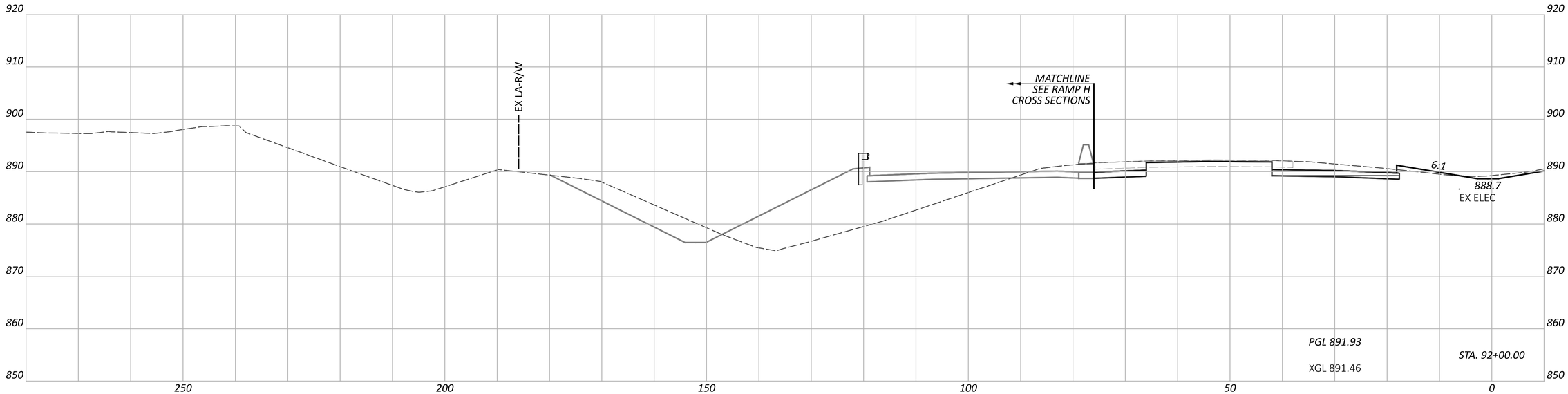
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

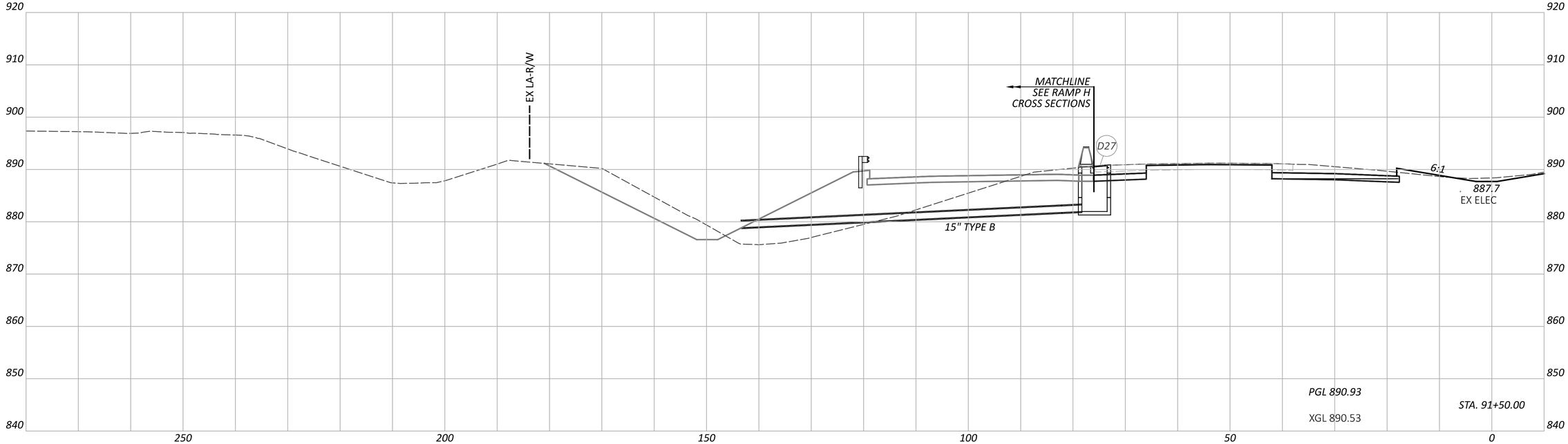
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0567 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 91+50.00 TO STA. 92+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 91+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:48:17 AM USER: brieder
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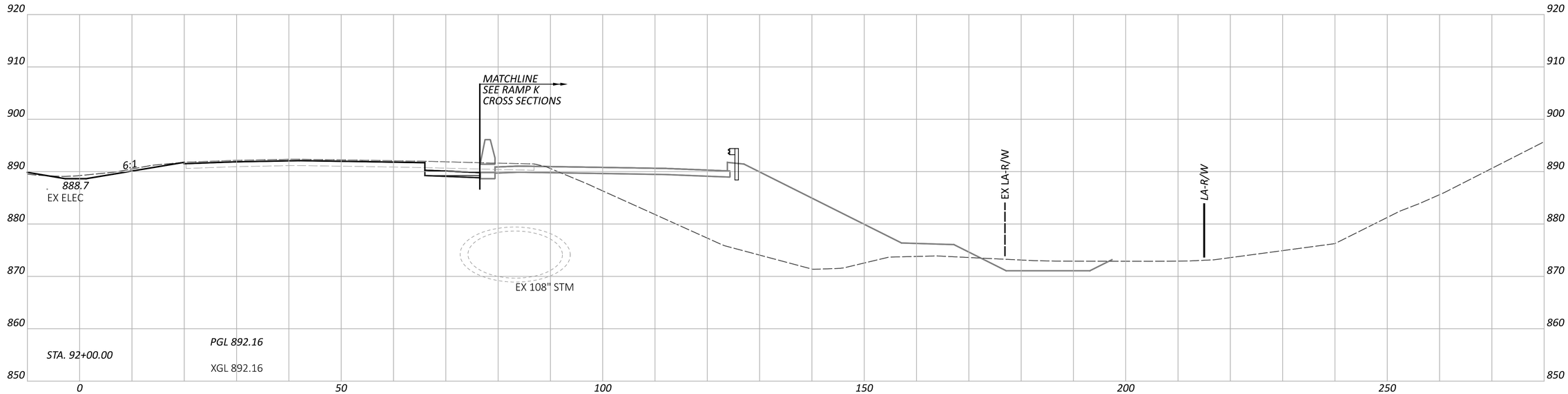
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

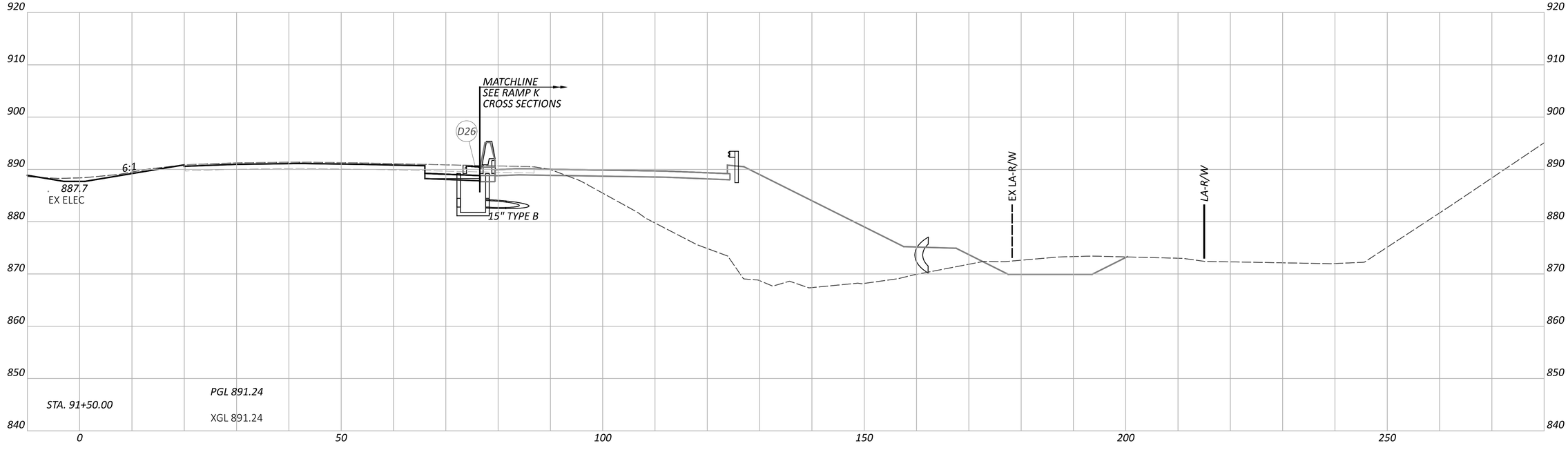
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0568 | TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 91+50.00 TO STA. 92+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 91+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:48:27 AM USER: brieder
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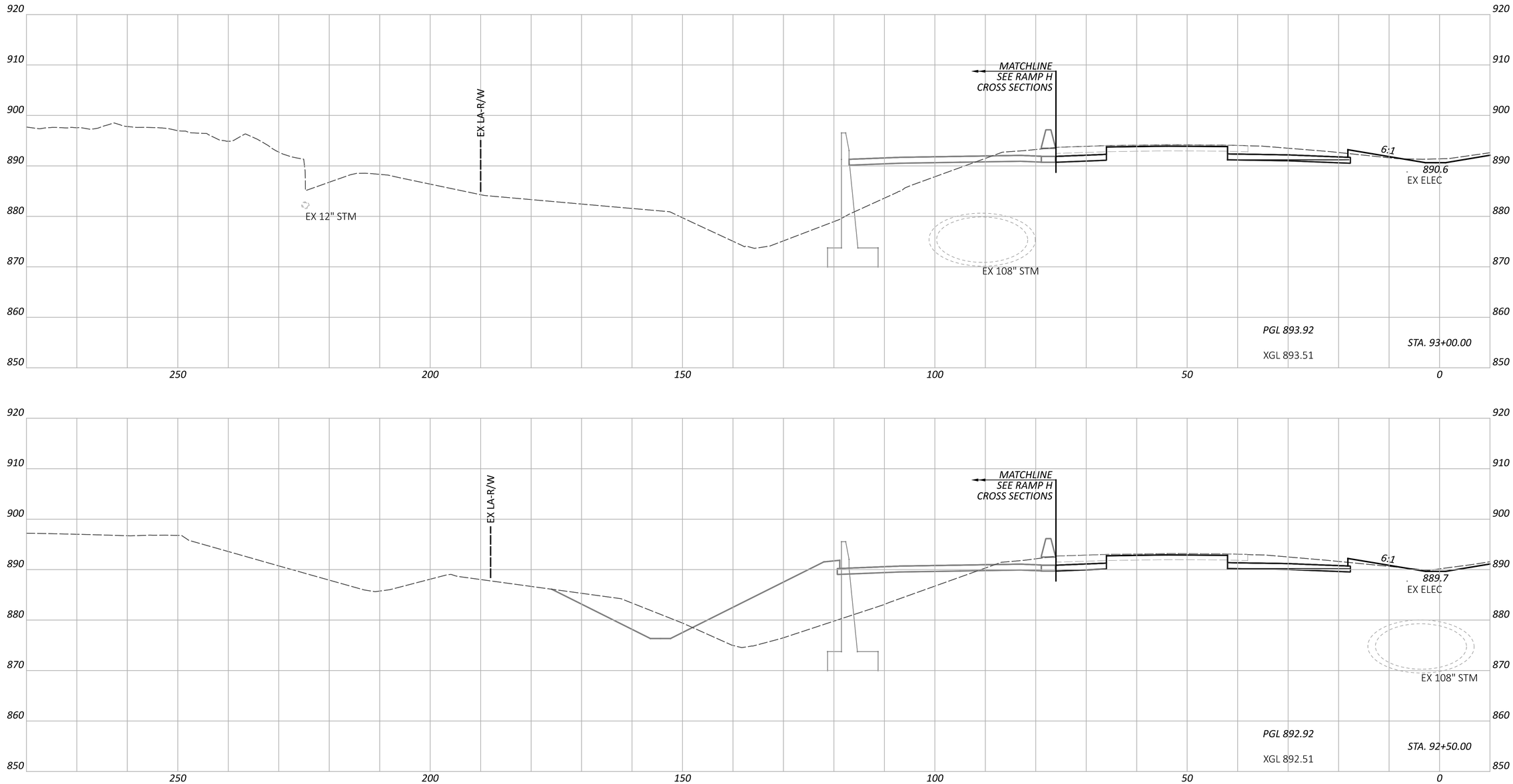
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0569 TOTAL P.1556



CROSS SECTIONS - IR 70 WB
STA. 92+50.00 TO STA. 93+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 92+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:48:31 AM USER: brieder
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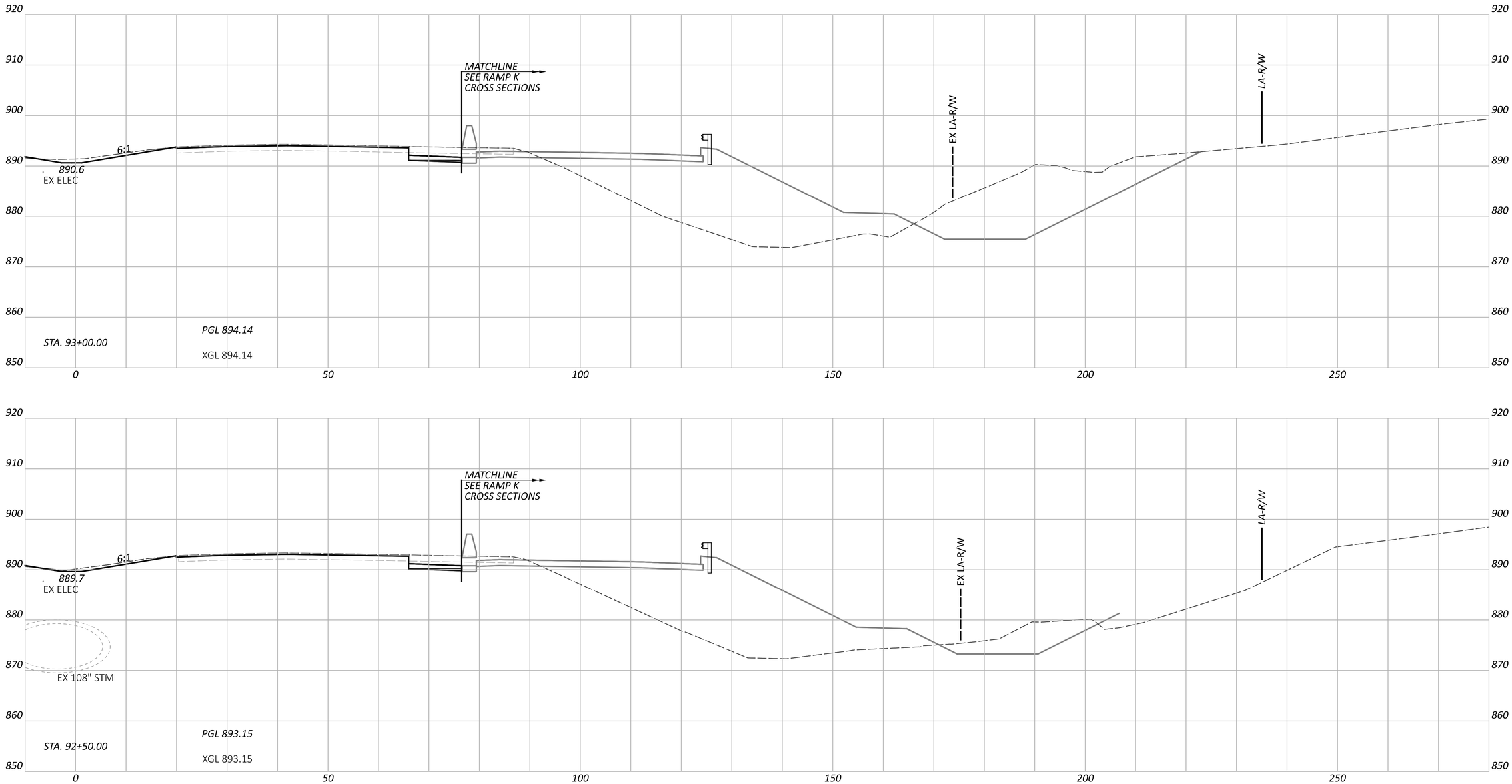
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0570
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 92+50.00 TO STA. 93+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 92+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/9/2025 TIME: 7:48:34 AM USER: brieder
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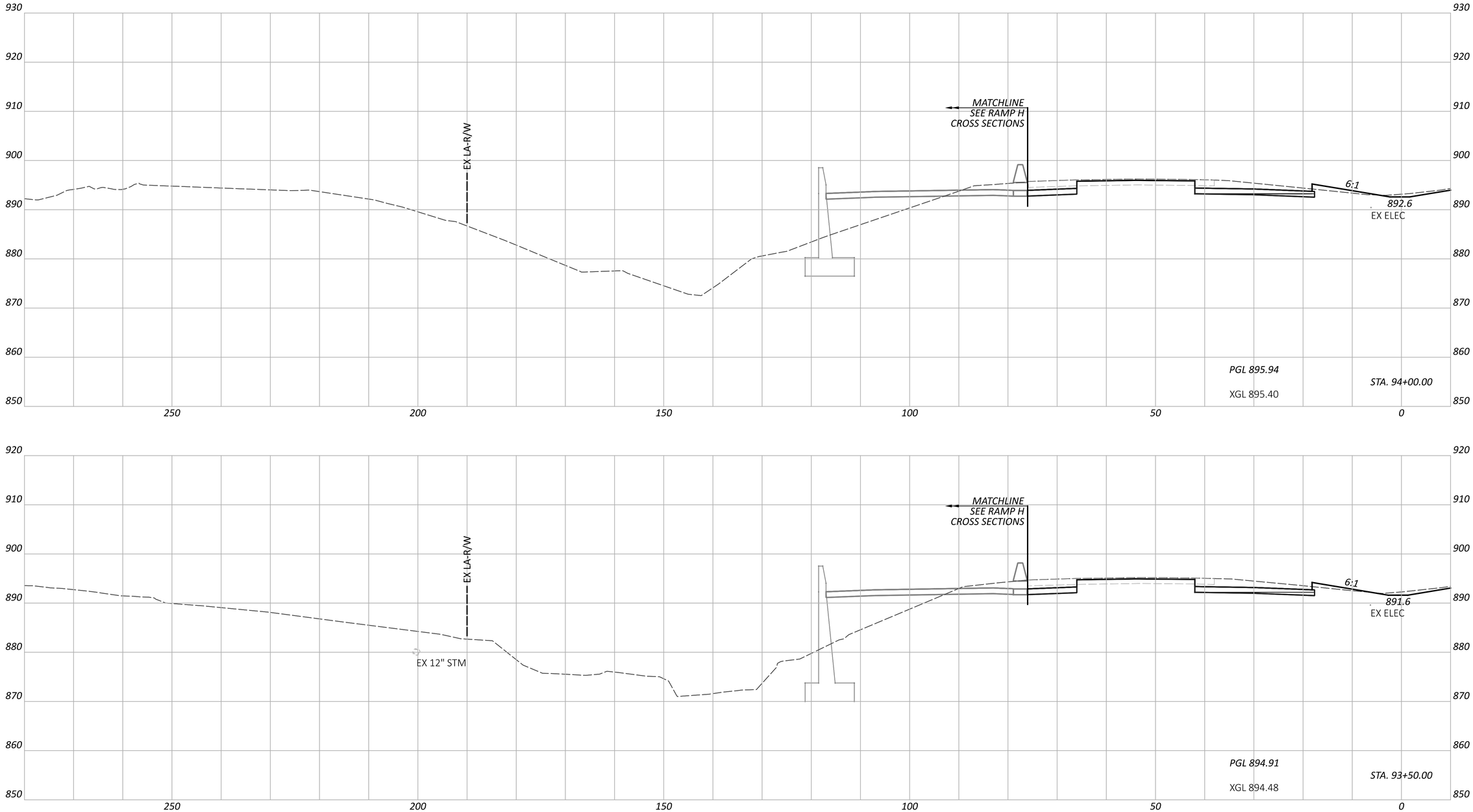
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0571 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 93+50.00 TO STA. 94+00.00

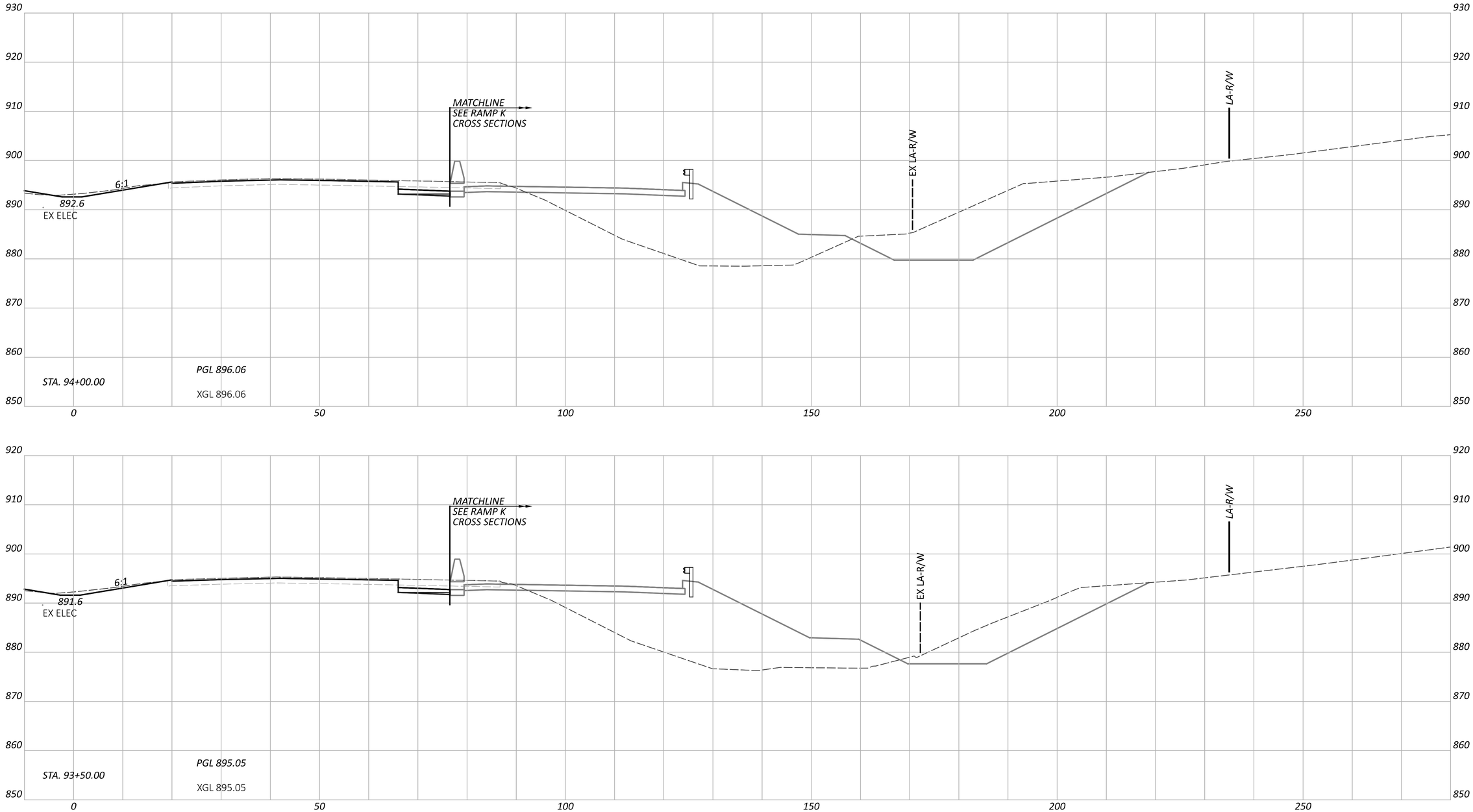
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0572 TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 93+50.00 TO STA. 94+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 93+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/9/2025 TIME: 7:48:41 AM USER: brieder
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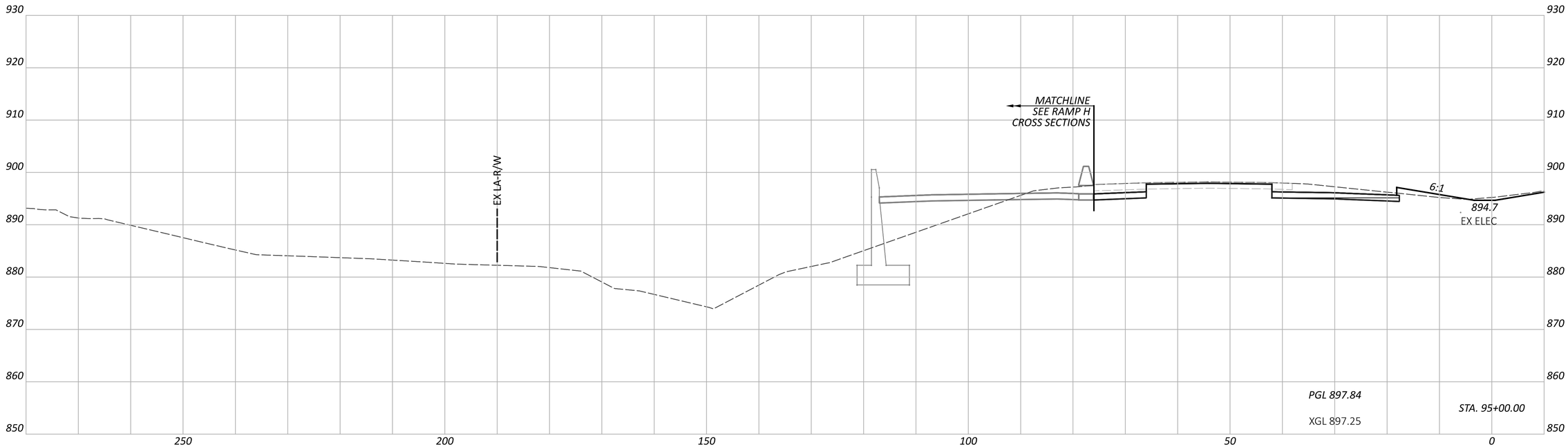
DESIGN AGENCY
STRUCTUREPOINT LLC

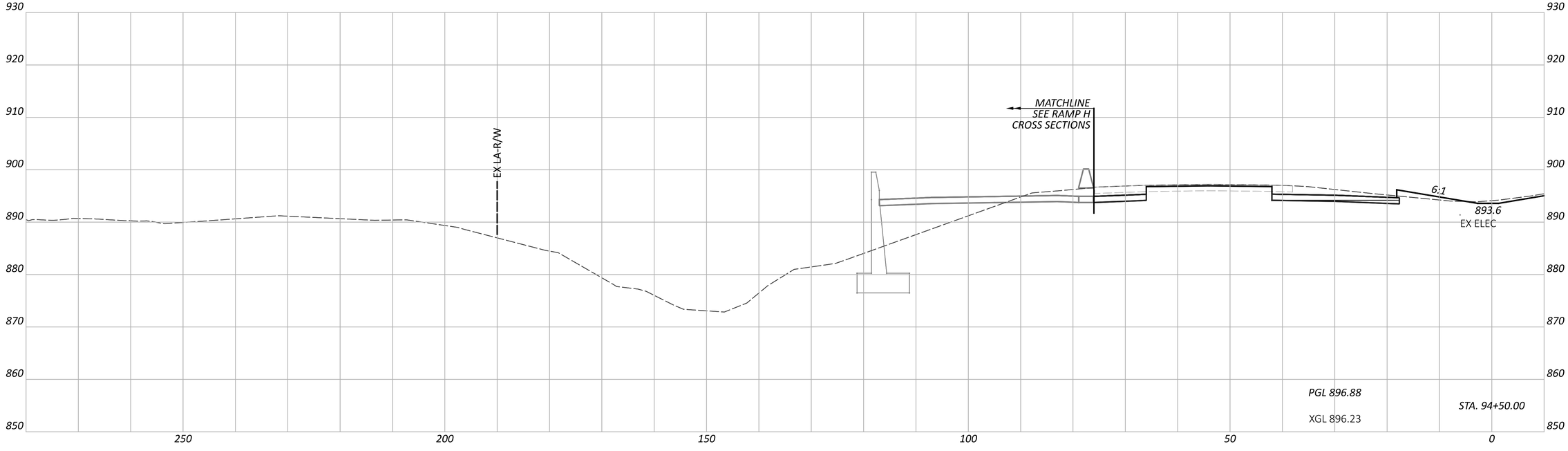
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0573 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 94+50.00 TO STA. 95+00.00

FAI/LIC-IR 70-0.00/0.00

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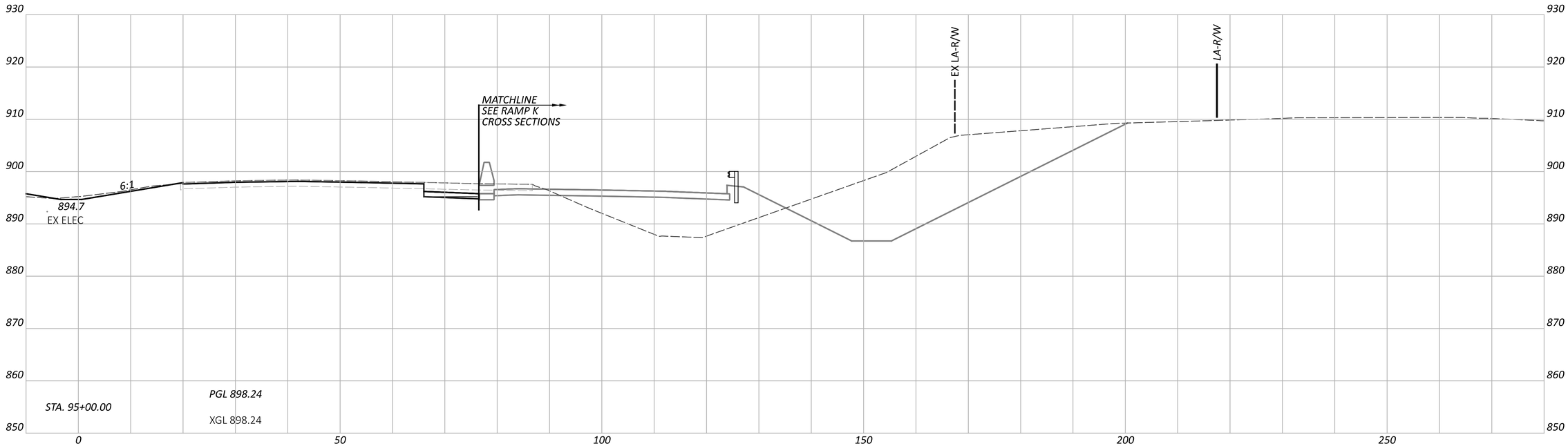
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

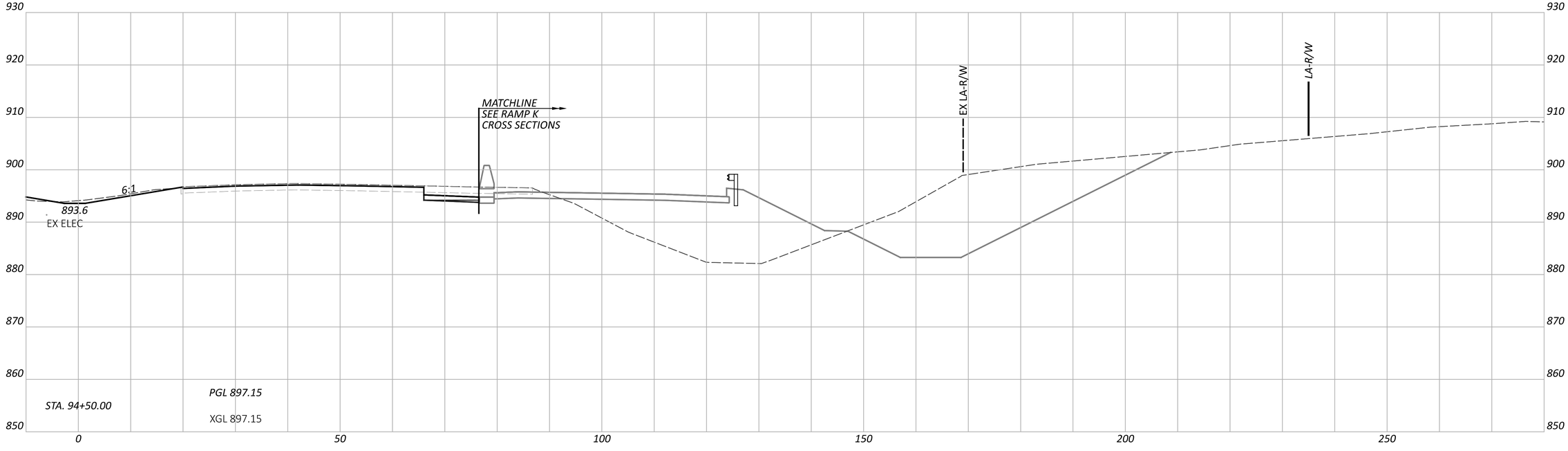
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0574 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 94+50.00 TO STA. 95+00.00

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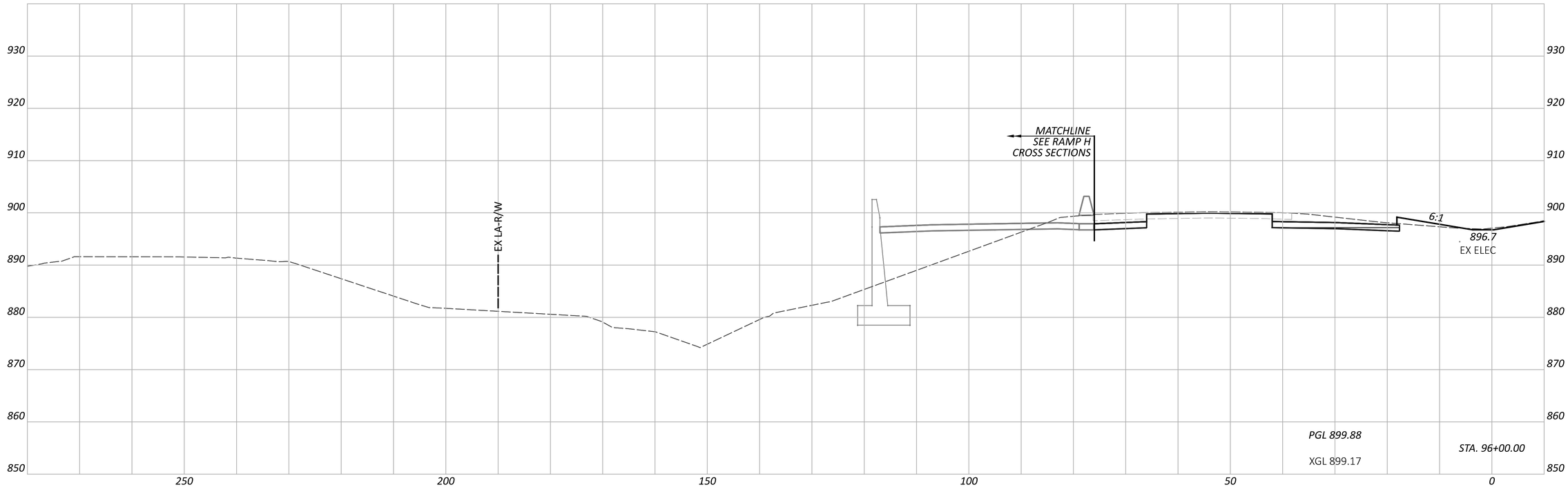
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

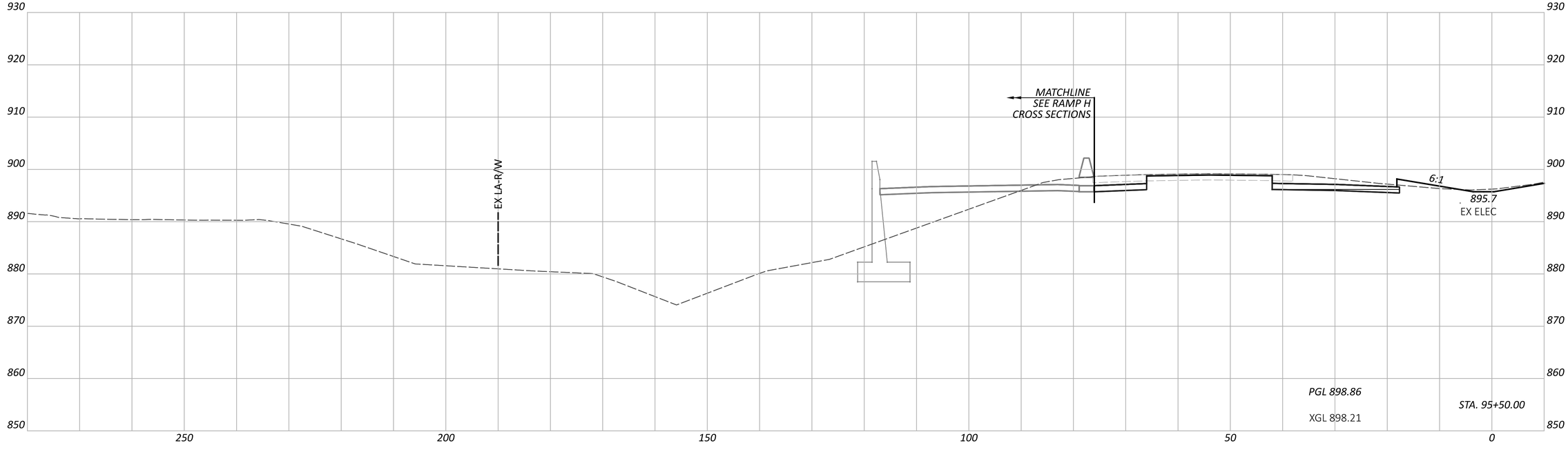
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0575 TOTAL P.1556





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CROSS SECTIONS - IR 70 WB
STA. 95+50.00 TO STA. 96+00.00

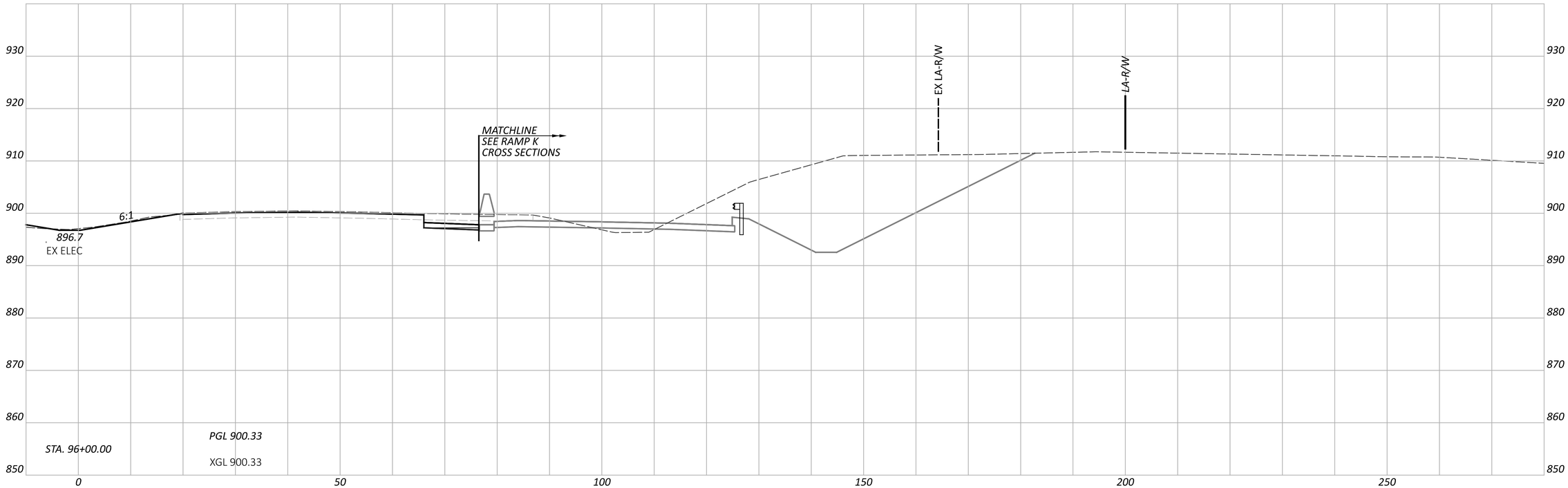
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

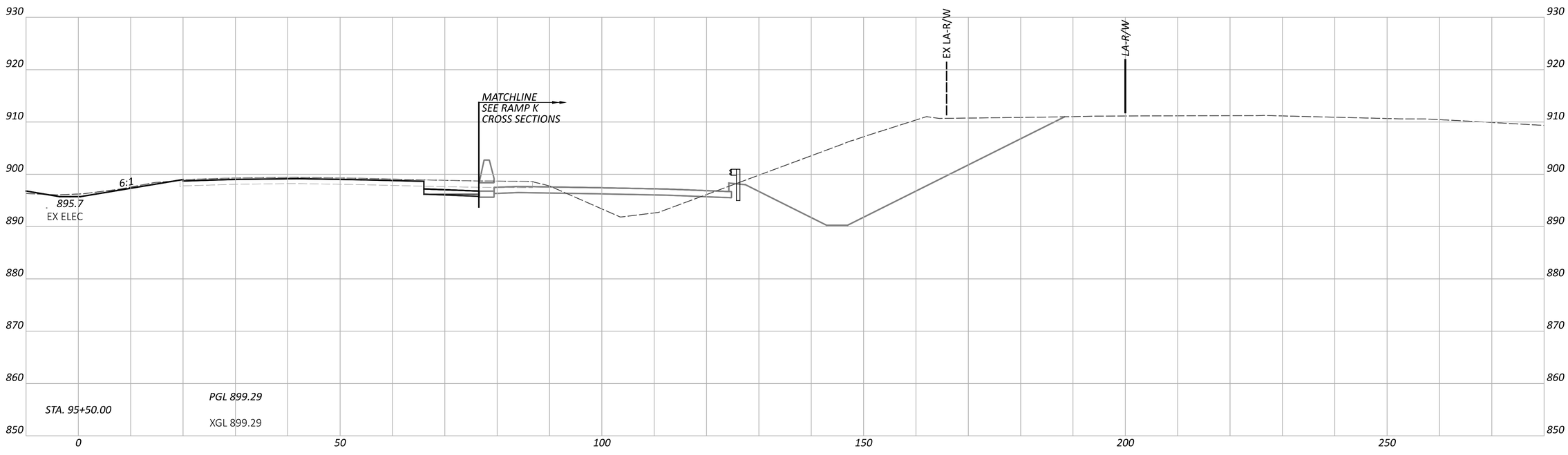
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0576 TOTAL P.1556





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CROSS SECTIONS - IR 70 EB
STA. 95+50.00 TO STA. 96+00.00

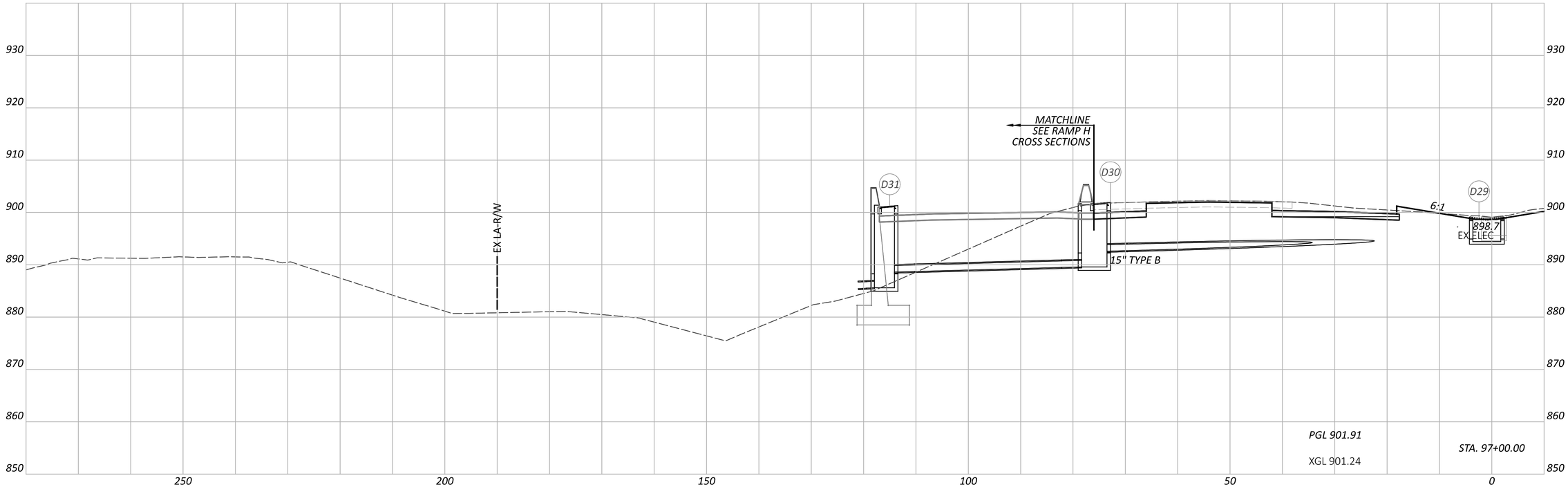
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

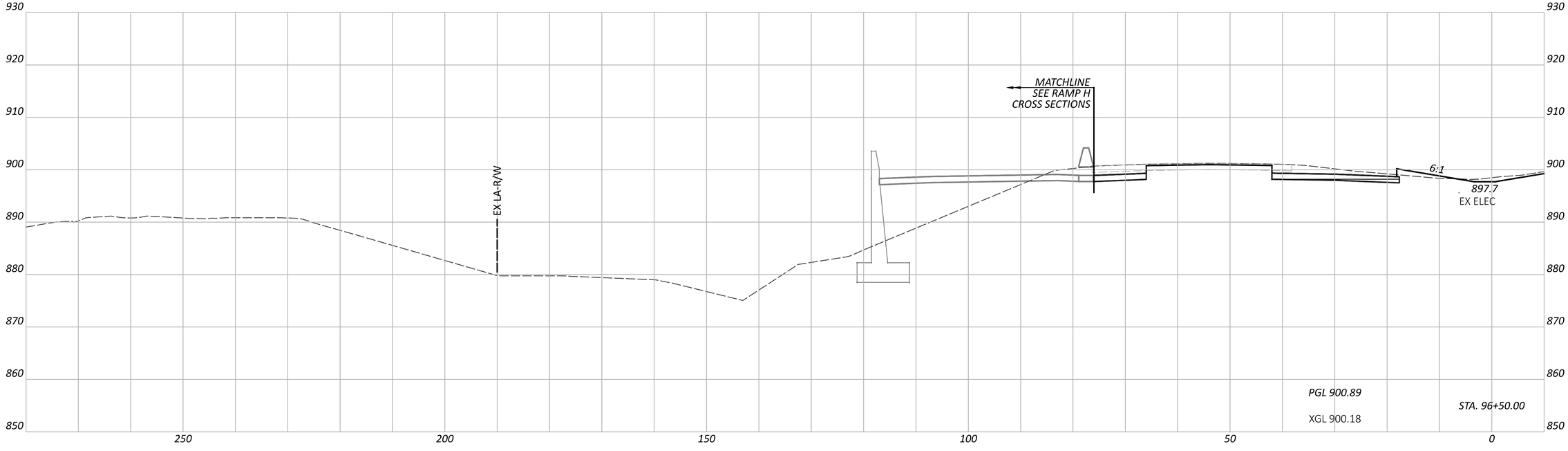
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0577 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 96+50.00 TO STA. 97+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0578 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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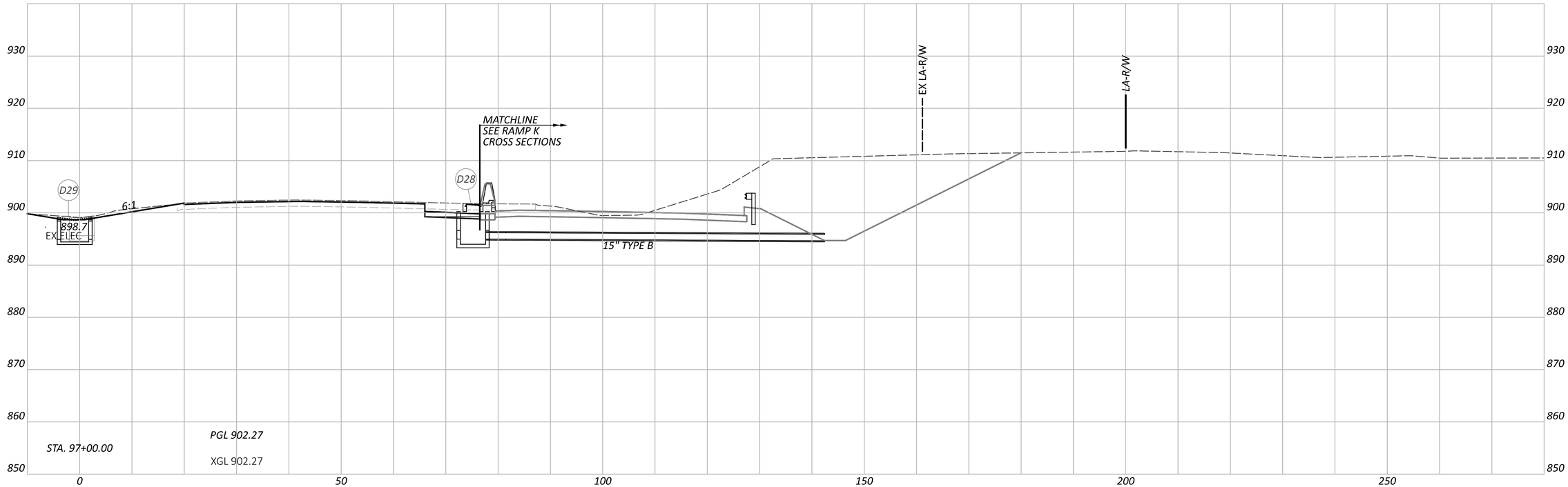

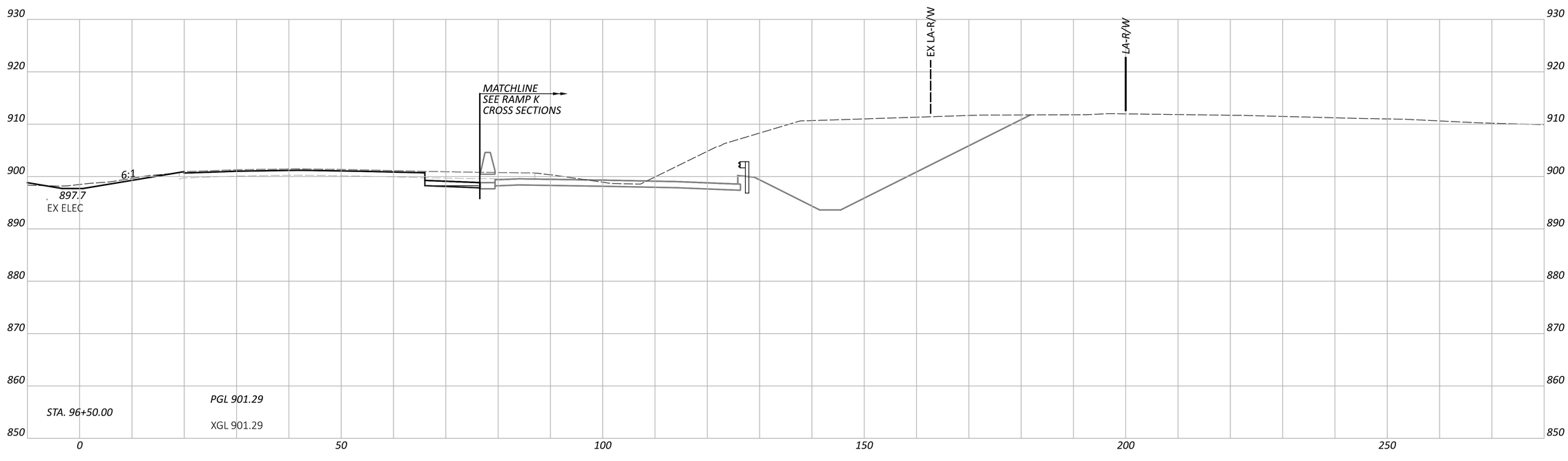

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 96+50.00 TO STA. 97+00.00

FAI/LIC-IR 70-0.00/0.00

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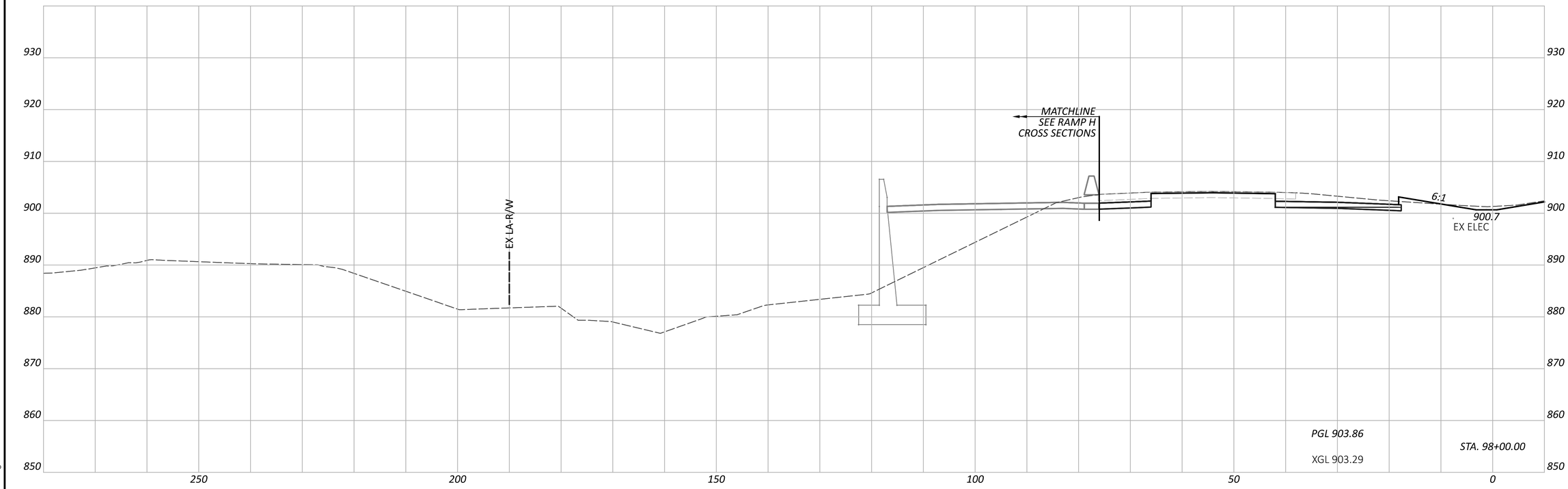
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

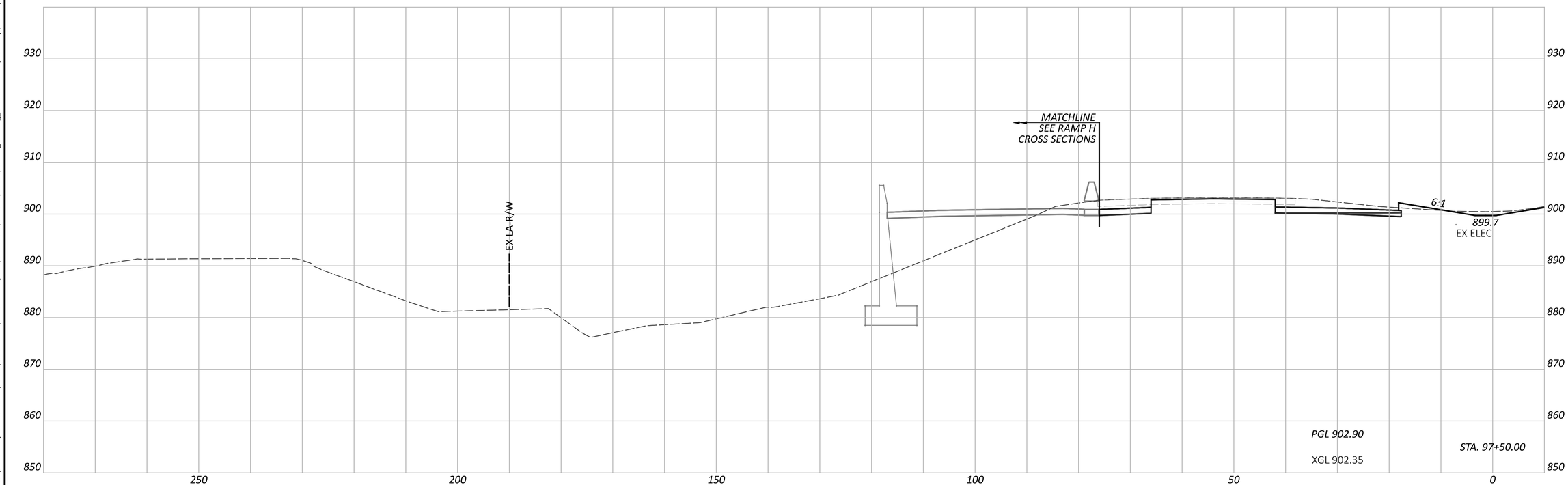
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0579 TOTAL P.1556





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CROSS SECTIONS - IR 70 WB
STA. 97+50.00 TO STA. 98+00.00

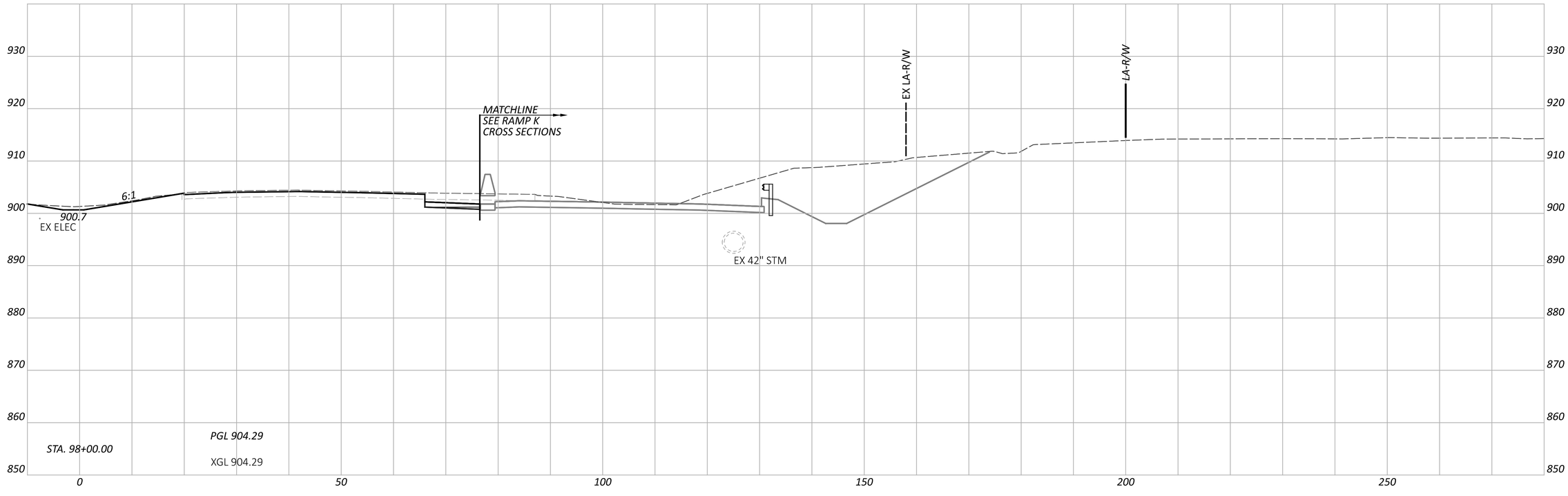
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

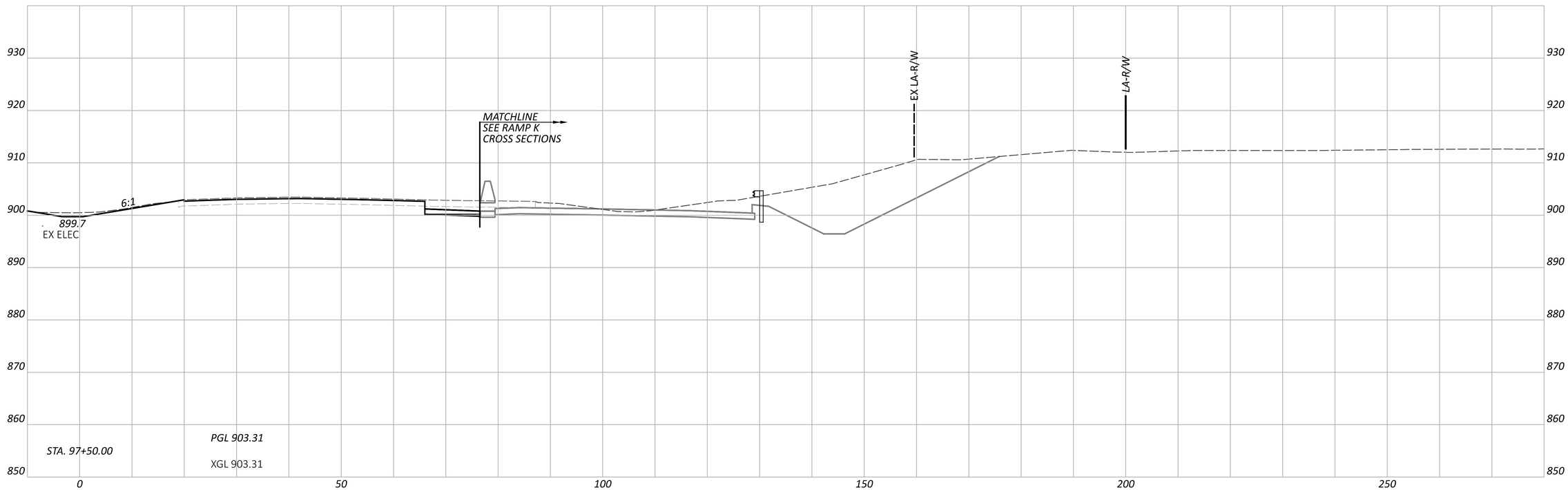
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0580 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 97+50.00 TO STA. 98+00.00

FAI/LIC-IR 70-0.00/0.00

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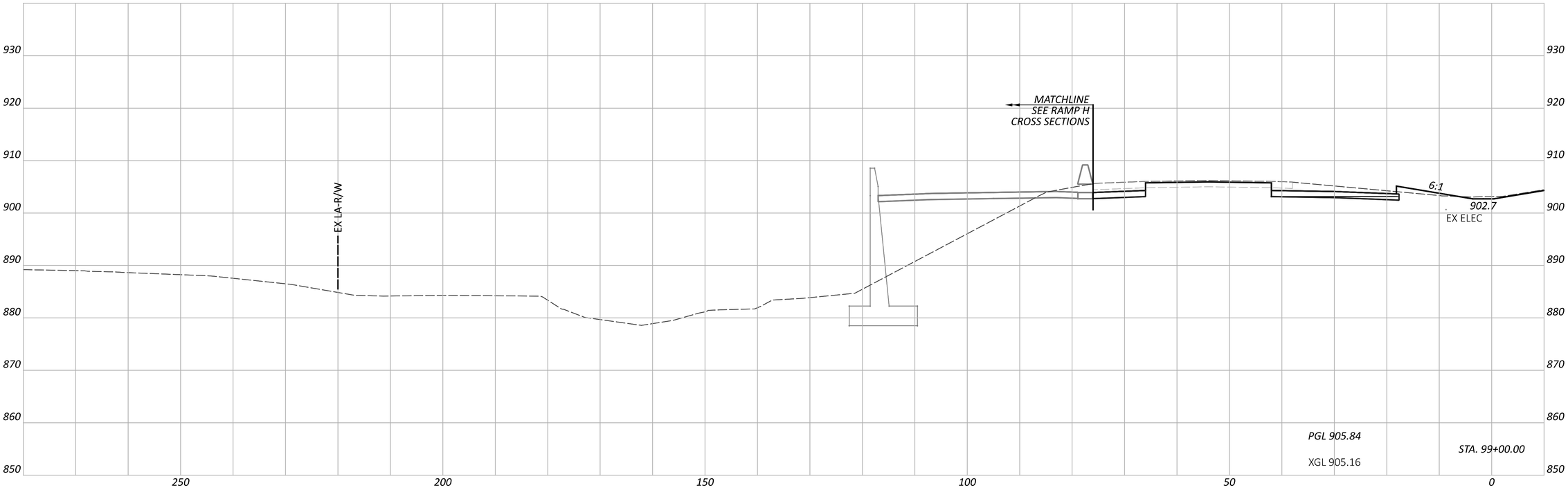
DESIGN AGENCY
STRUCTUREPOINT INC.

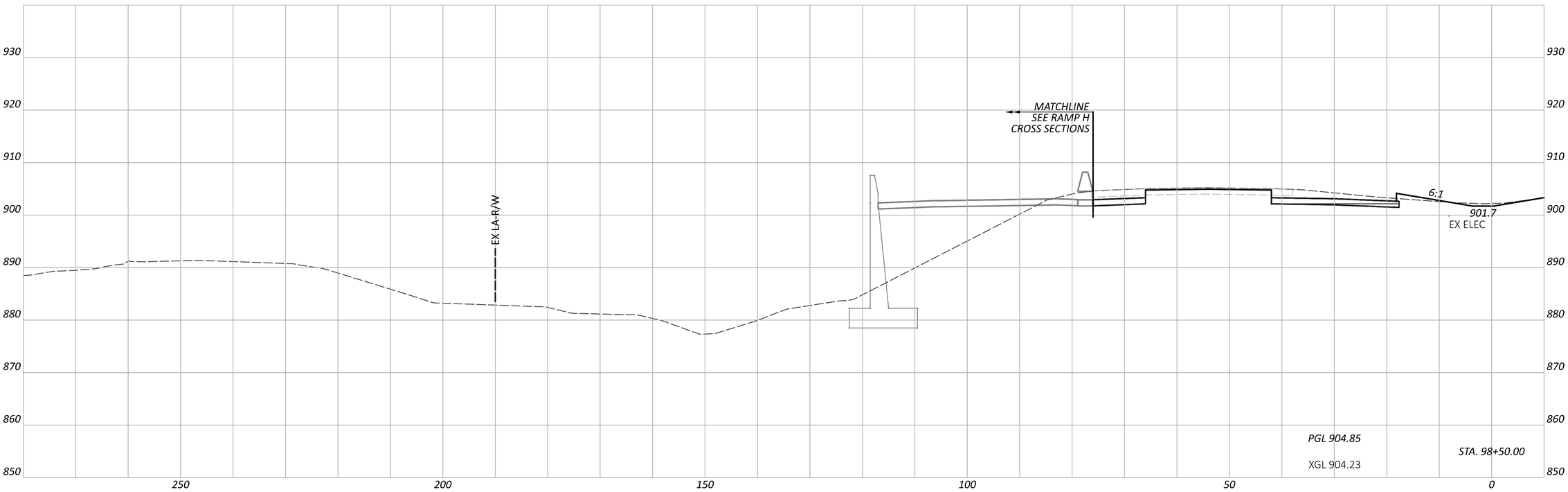
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0581 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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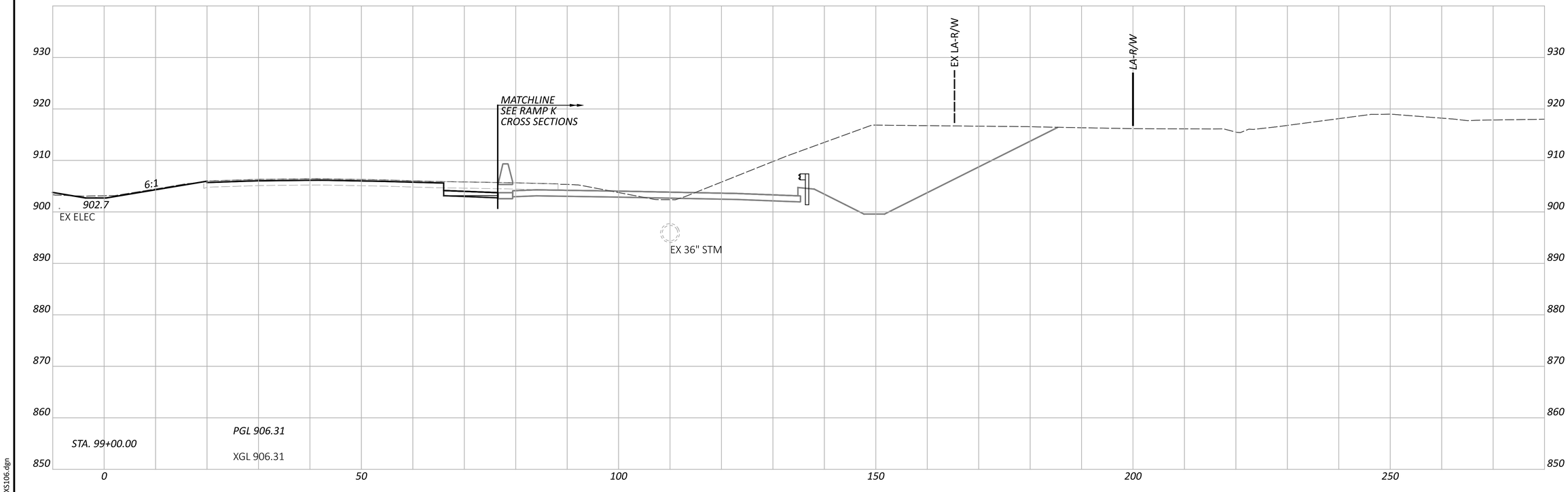
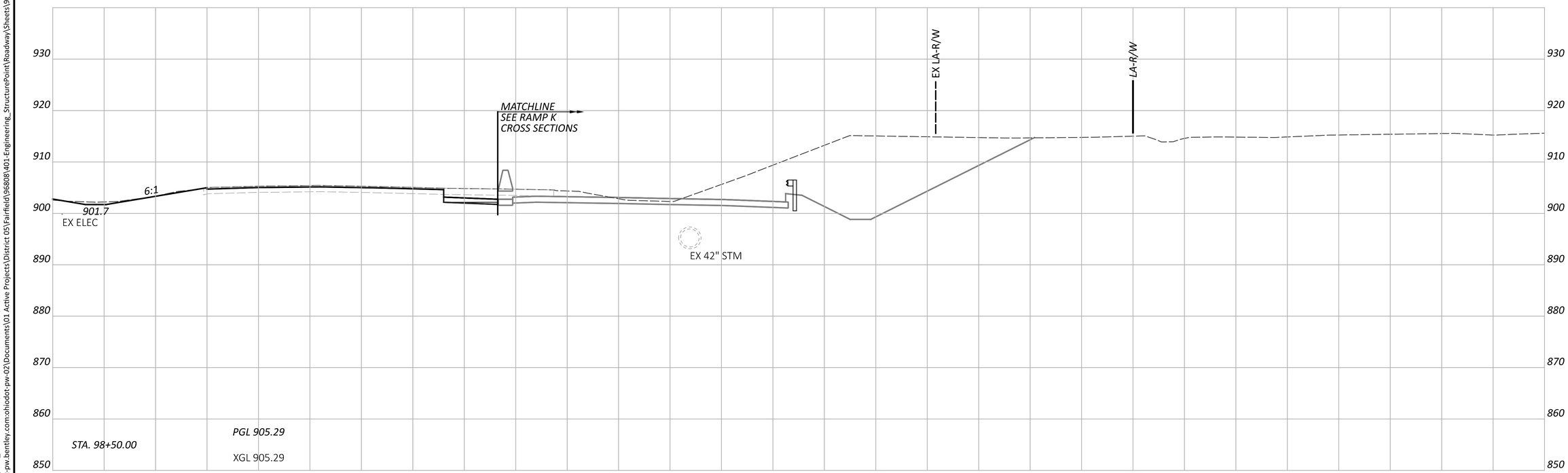
CROSS SECTIONS - IR 70 WB
STA. 98+50.00 TO STA. 99+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0582
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 98+50.00 TO STA. 99+00.00

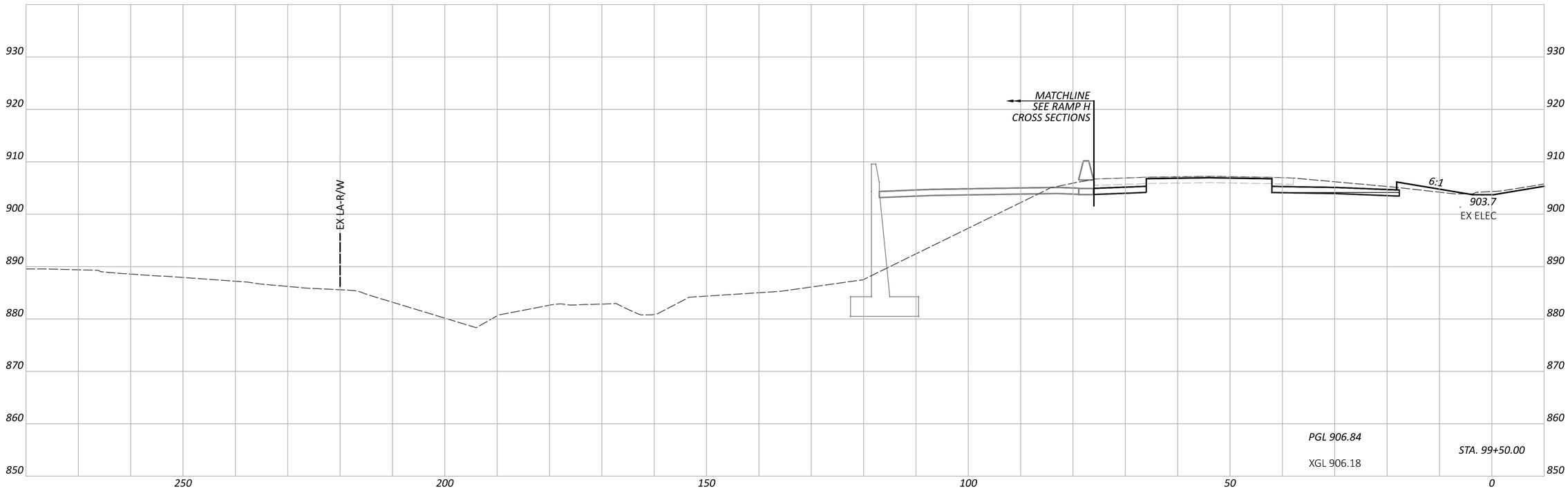
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0583 | TOTAL P.1556



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CROSS SECTIONS - IR 70 WB
STA. 99+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0584 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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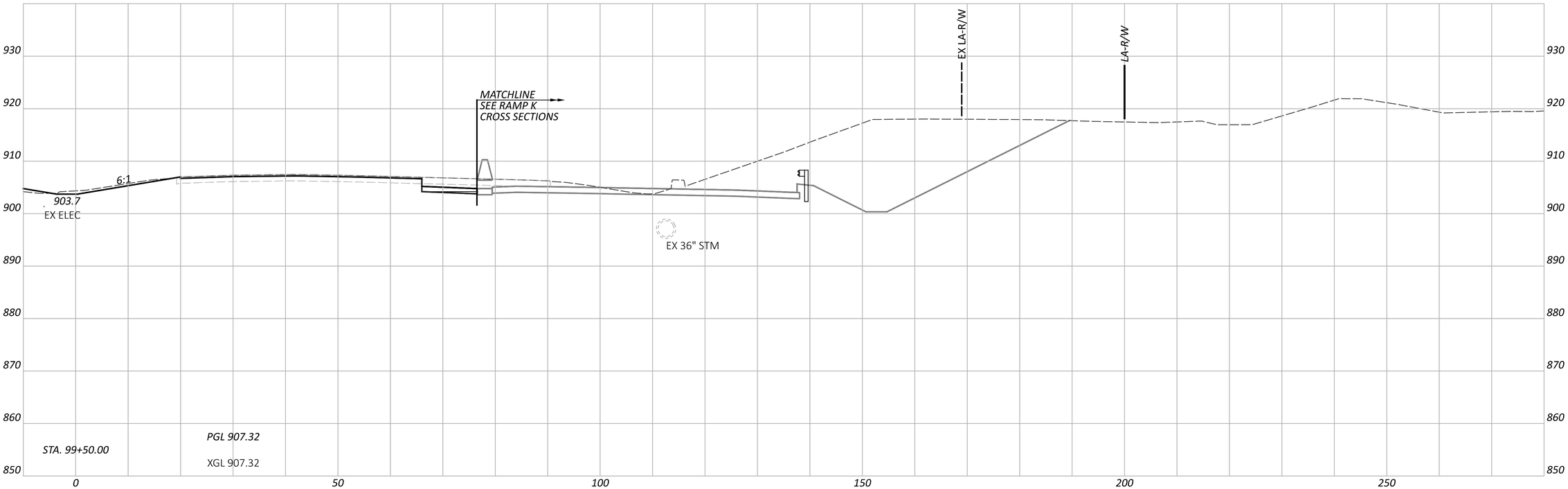


CROSS SECTIONS - IR 70 EB
STA. 99+50.00

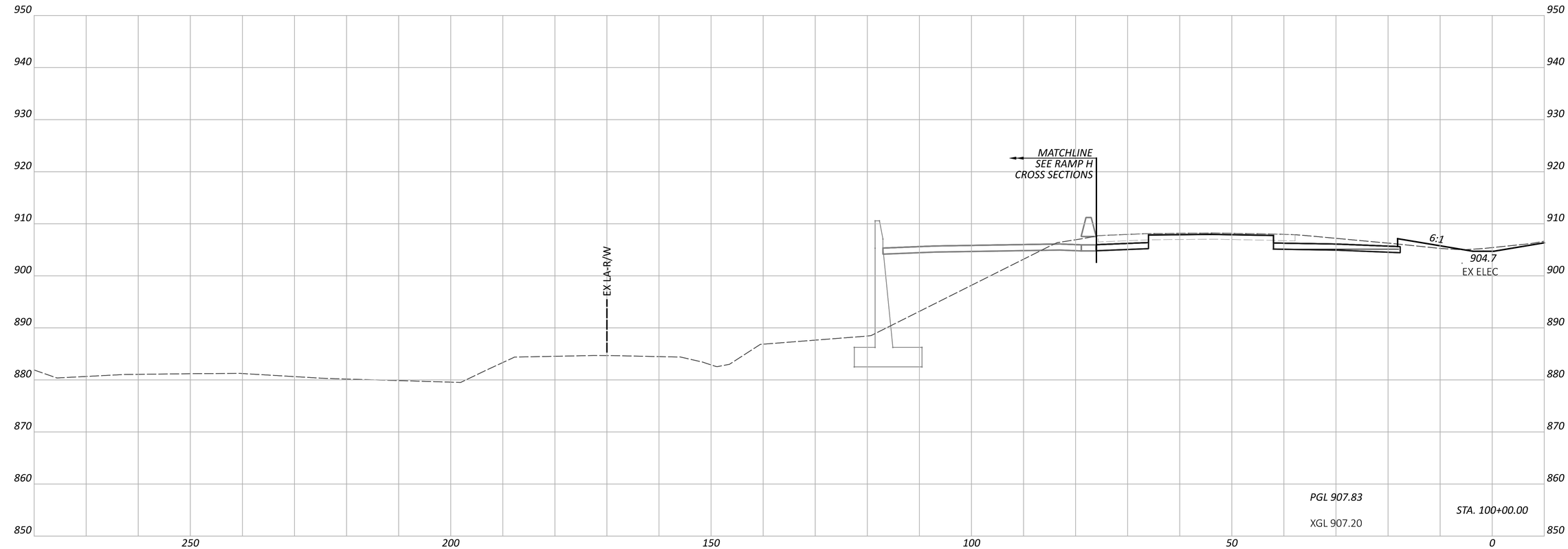
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0585 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 100+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0586 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 100+00.00

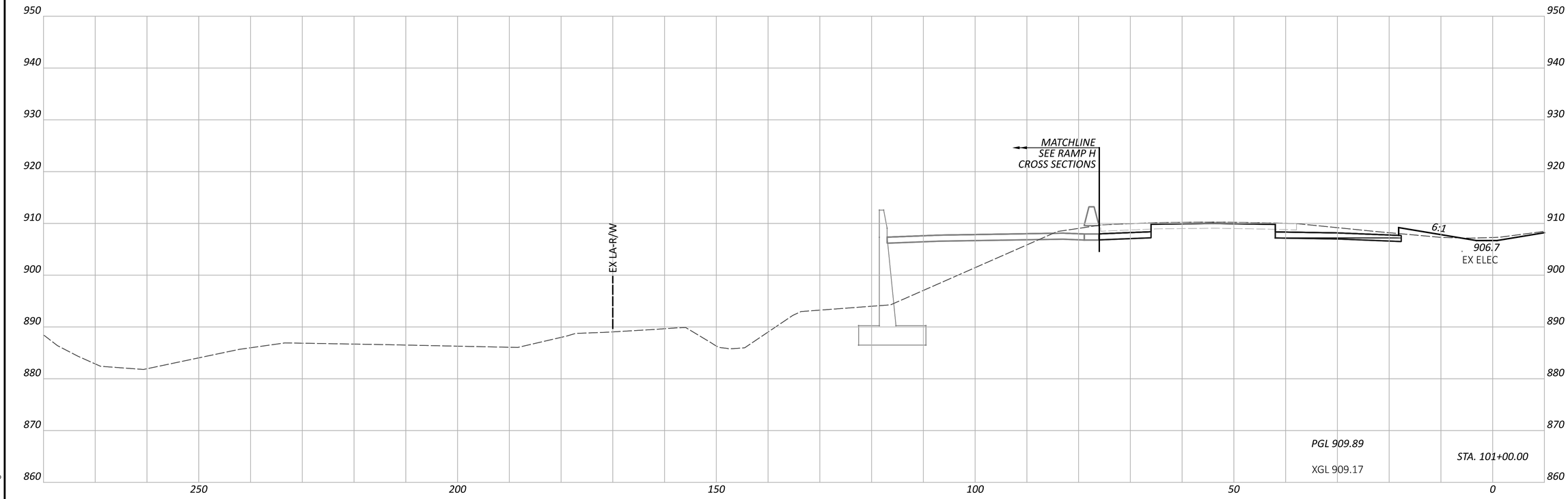
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

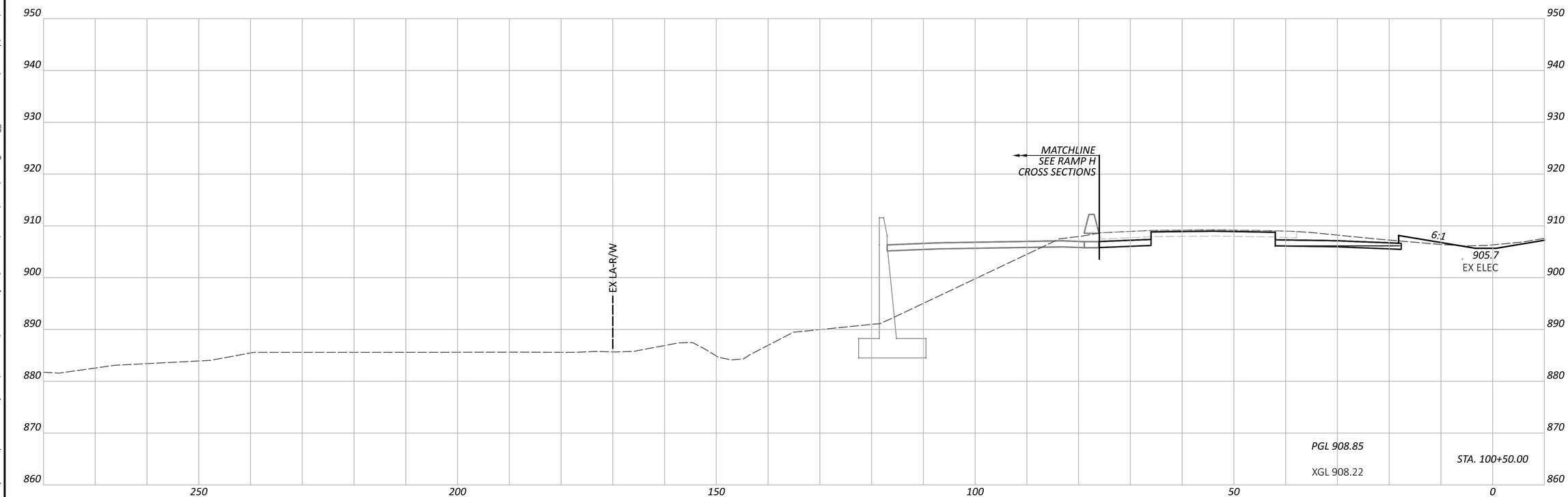
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0587 TOTAL P.1556





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CROSS SECTIONS - IR 70 WB
STA. 100+50.00 TO STA. 101+00.00

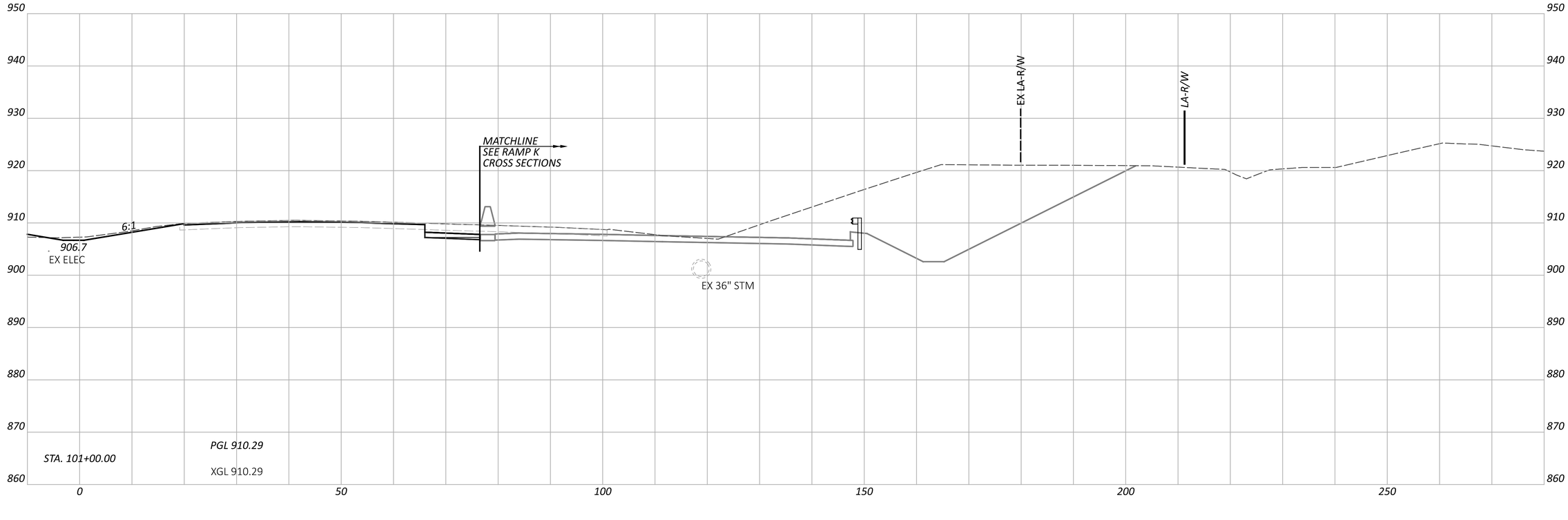
DESIGN AGENCY
STRUCTUREPOINT LLC

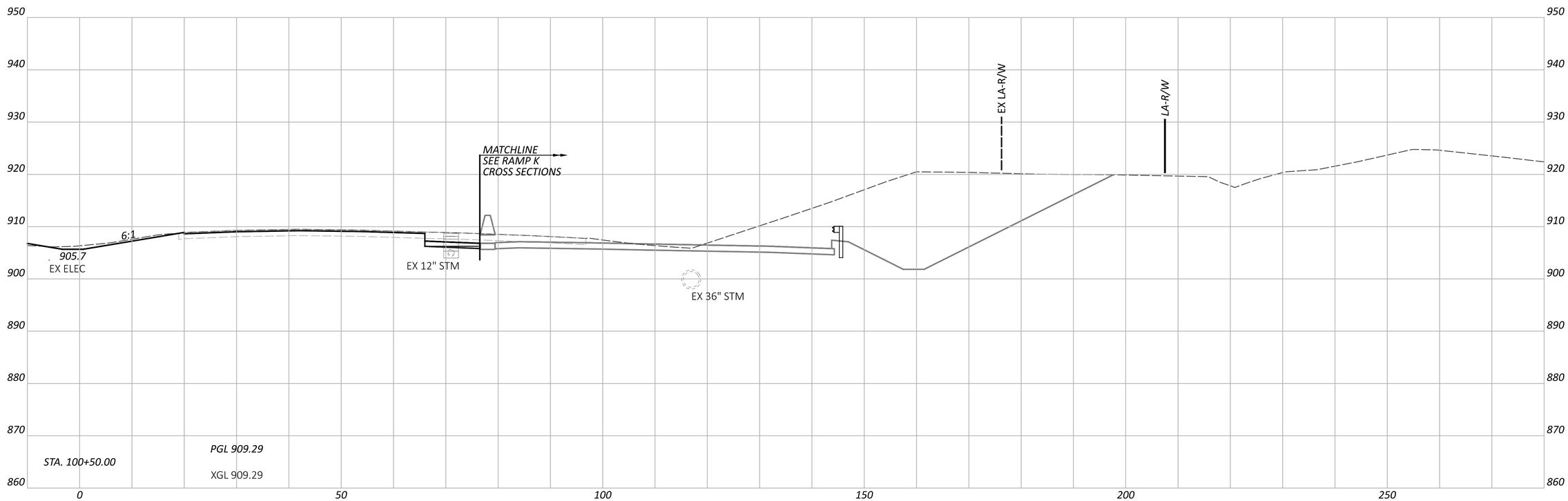
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0588 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 100+50.00 TO STA. 101+00.00

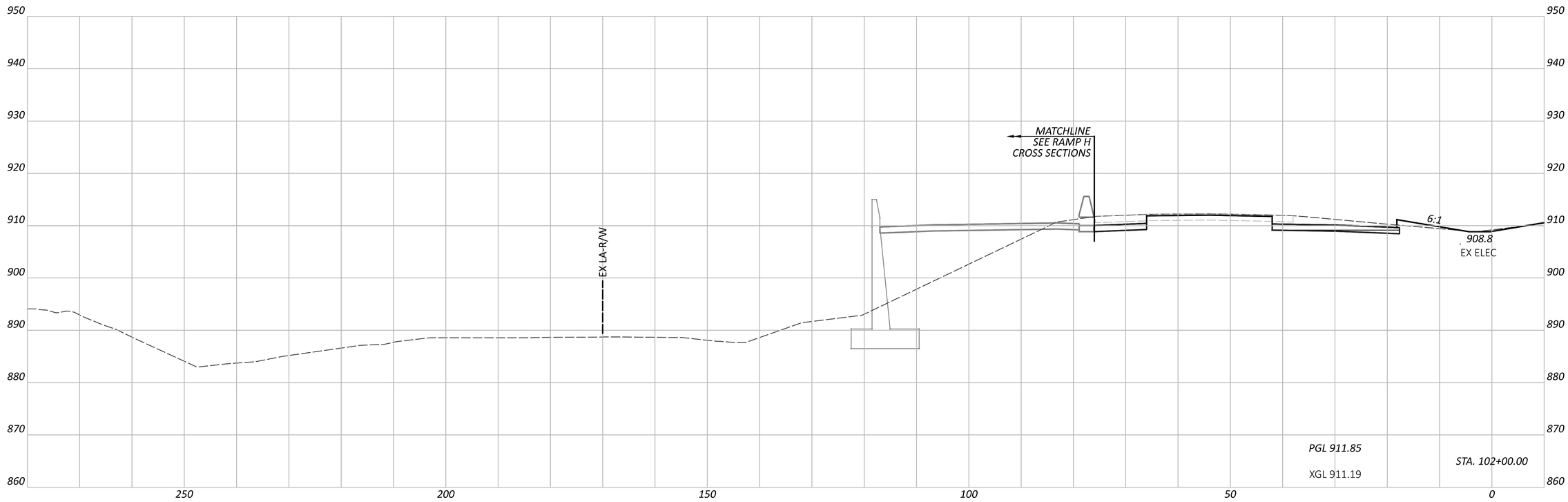
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

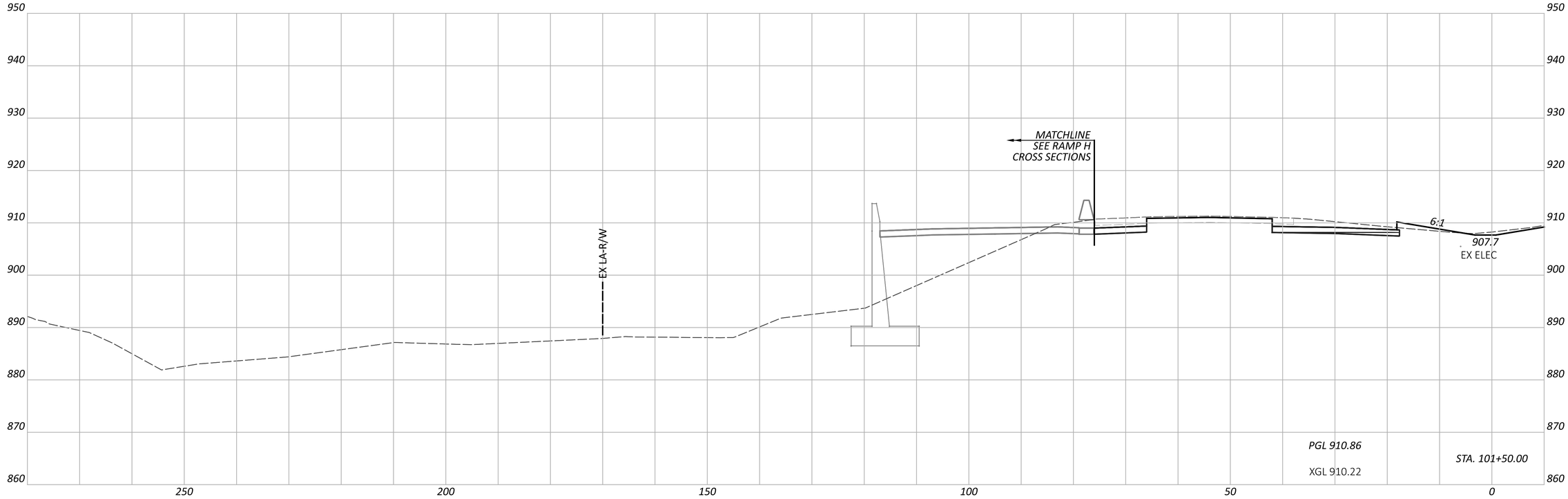
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0589 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 101+50.00 TO STA. 102+00.00

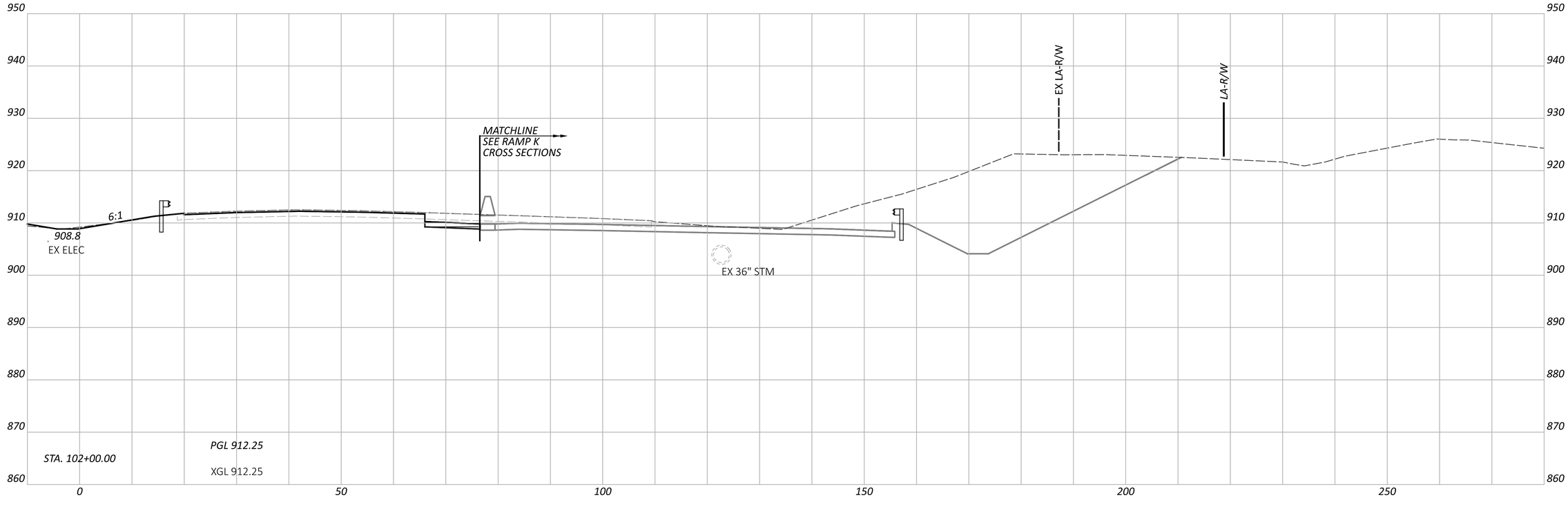
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

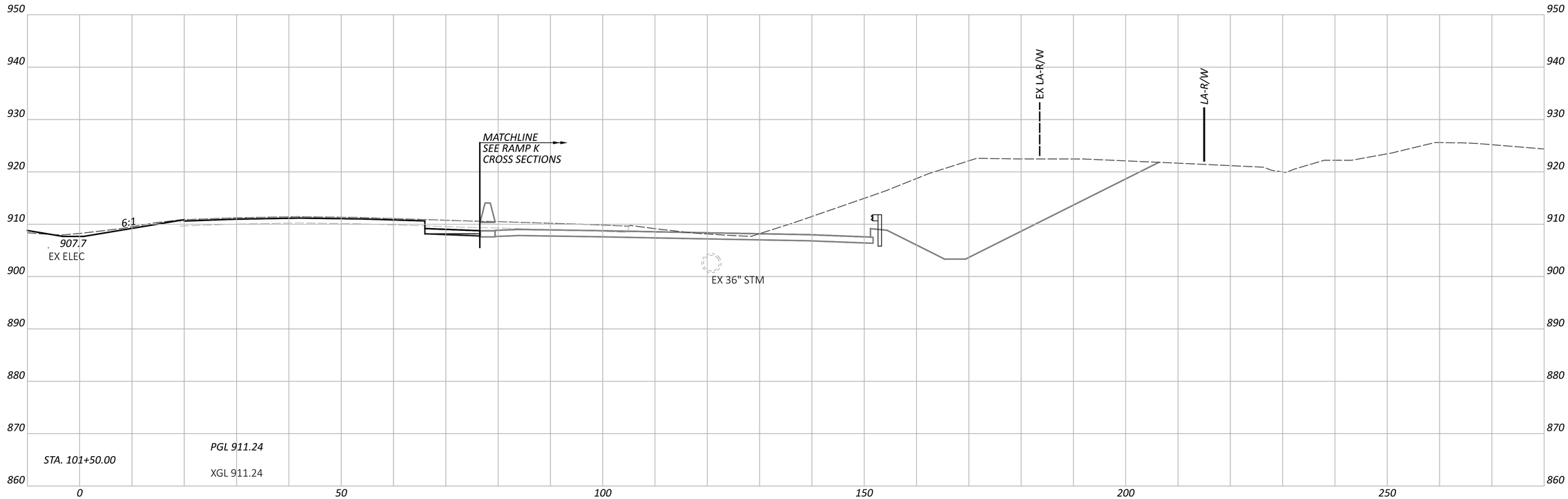
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0590 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 101+50.00 TO STA. 102+00.00

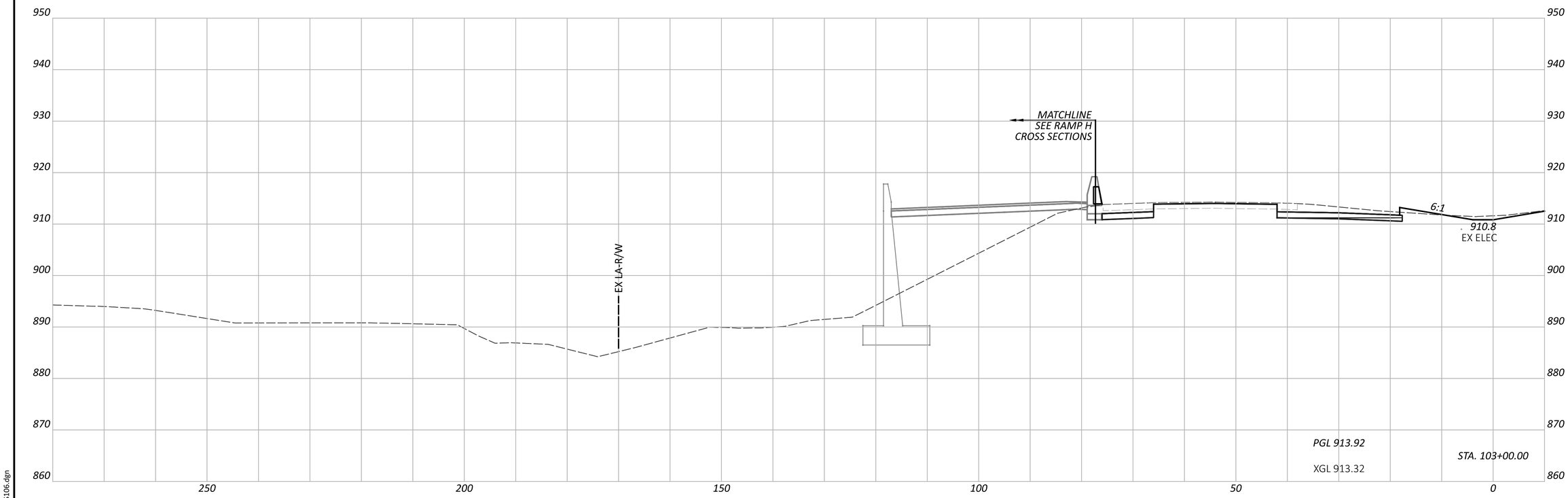
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

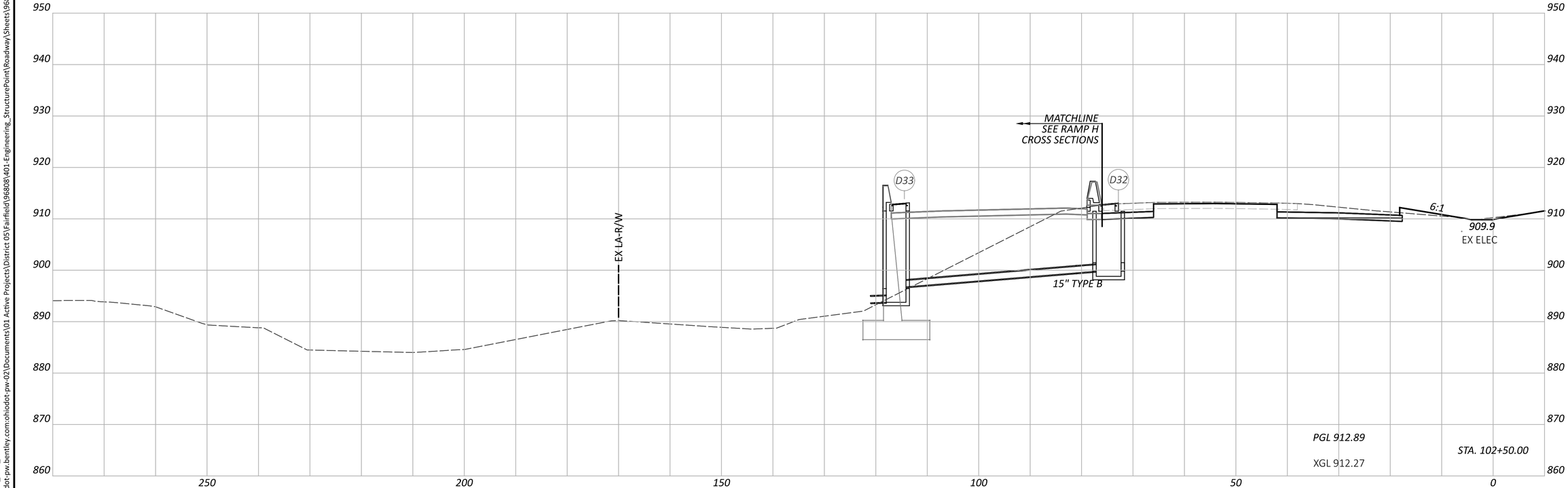
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0591 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 102+50.00 TO STA. 103+00.00

FAI/LIC-IR 70-0.00/0.00

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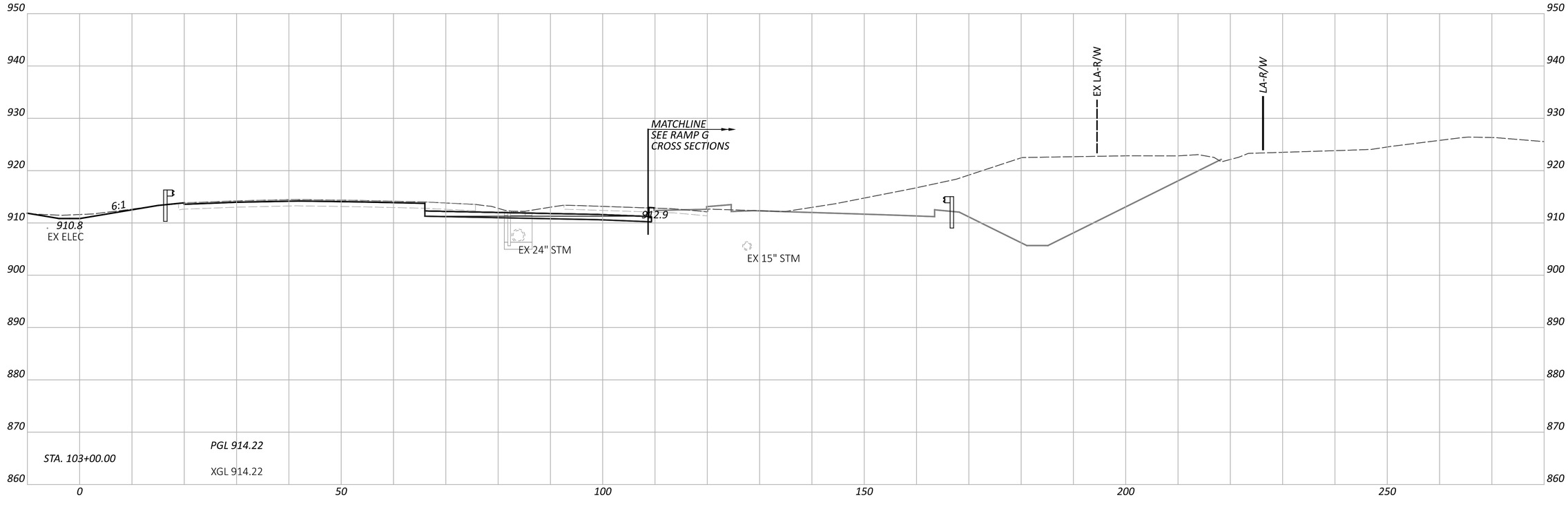
DESIGN AGENCY
STRUCTUREPOINT LLC

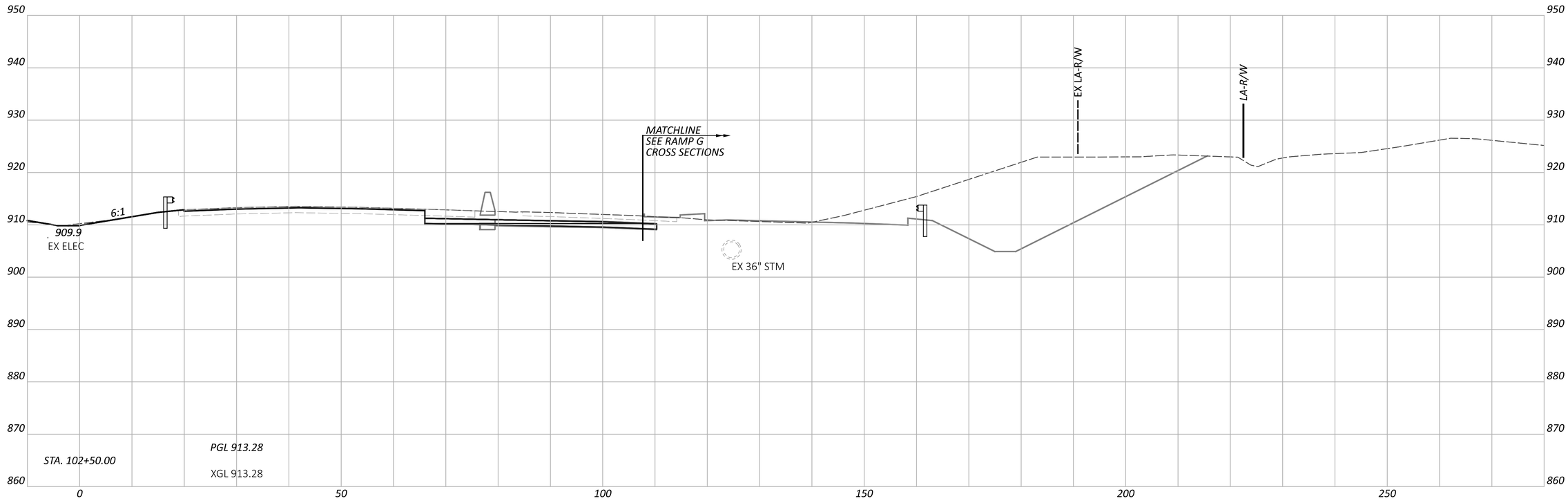
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0592 TOTAL P.1556





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CROSS SECTIONS - IR 70 EB
STA. 102+50.00 TO STA. 103+00.00

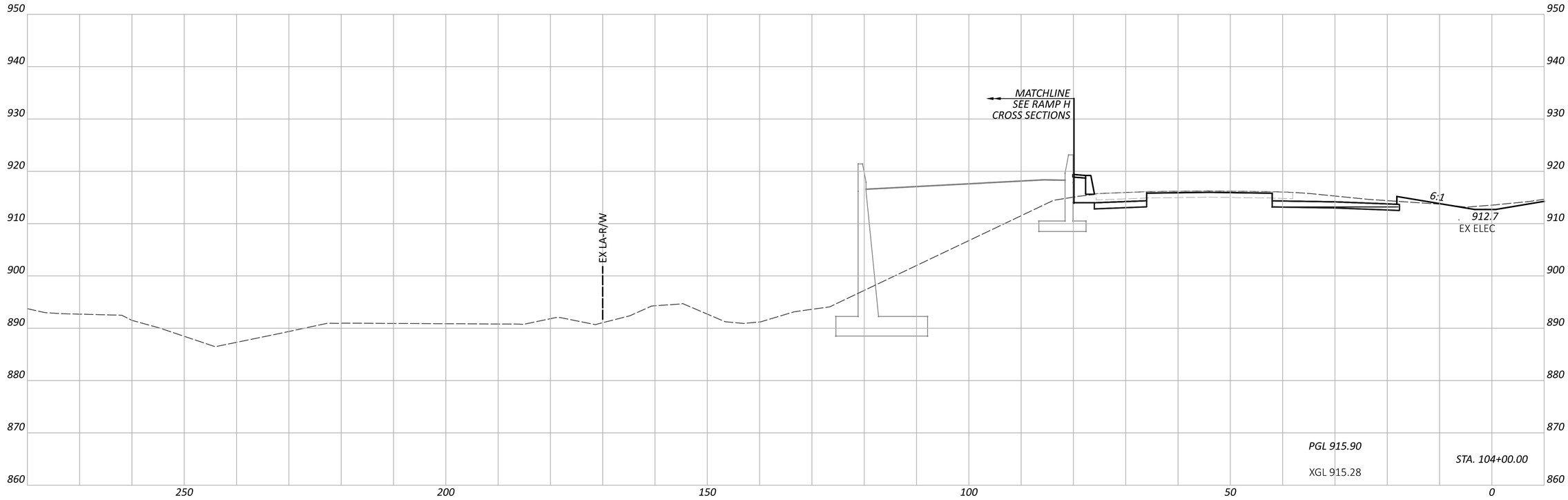
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

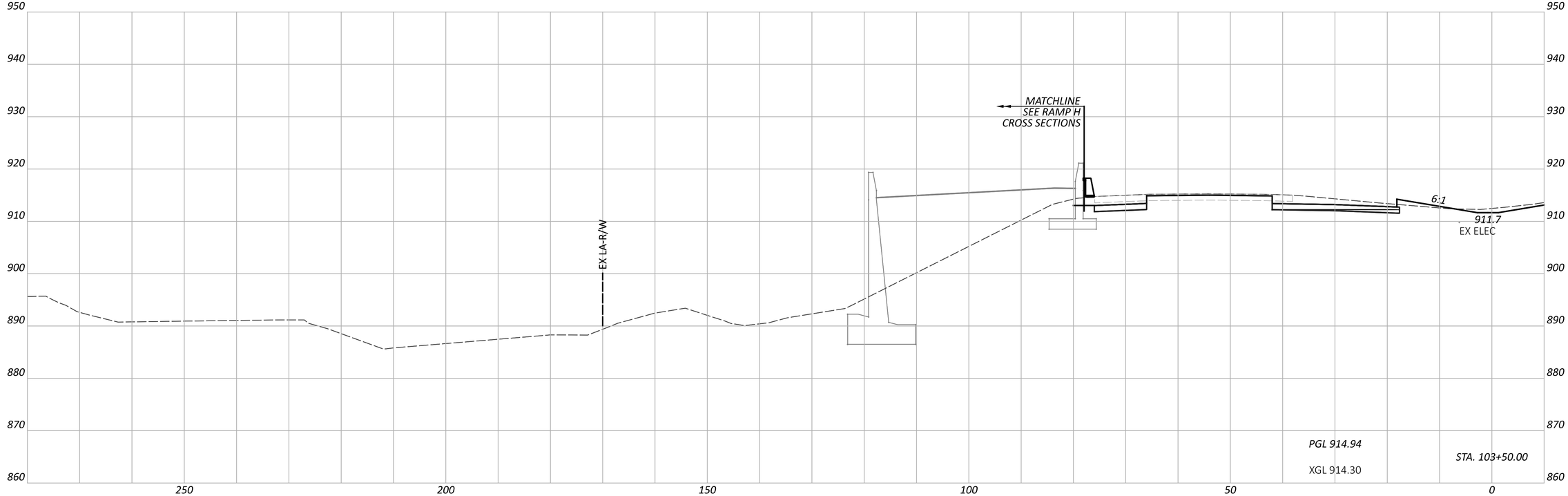
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0593 TOTAL P.1556





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STA. 103+50.00 TO STA. 104+00.00

FAI/LIC-IR 70-0.00/0.00

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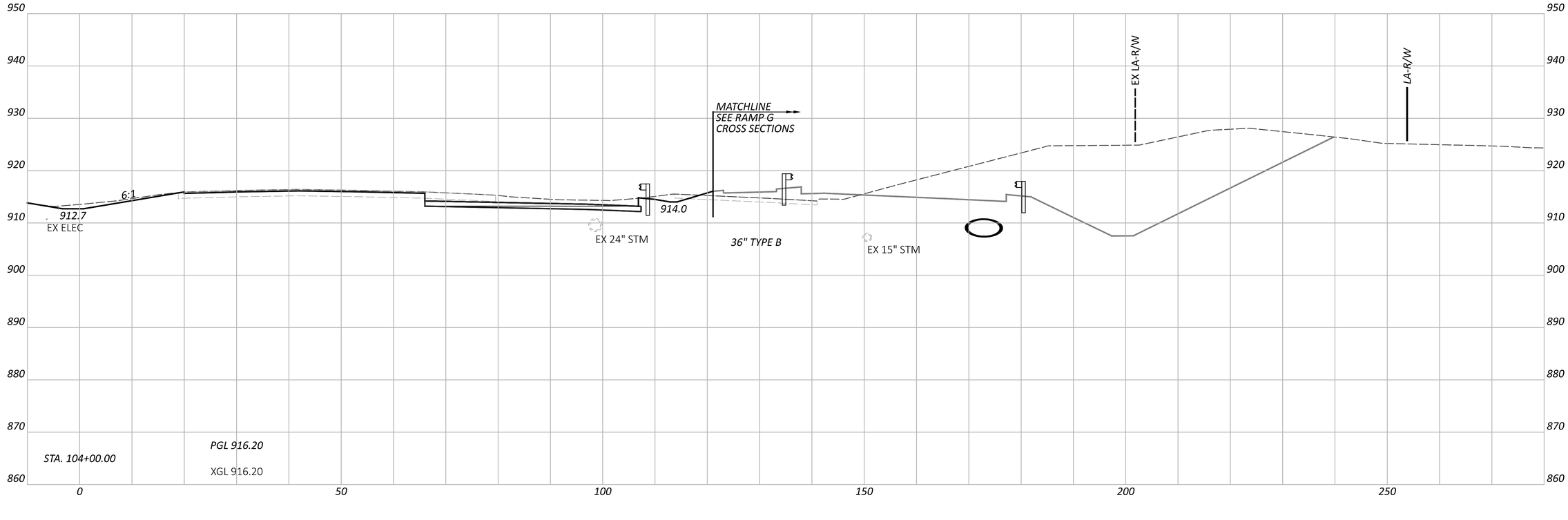
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

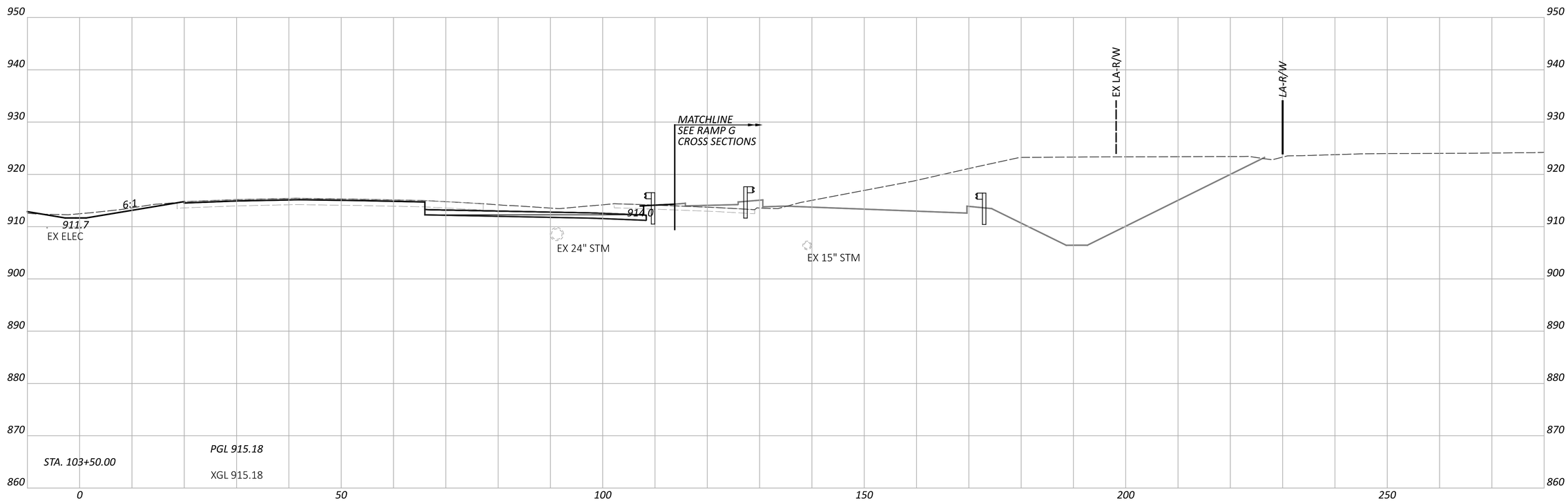
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0594 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 103+50.00 TO STA. 104+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0595 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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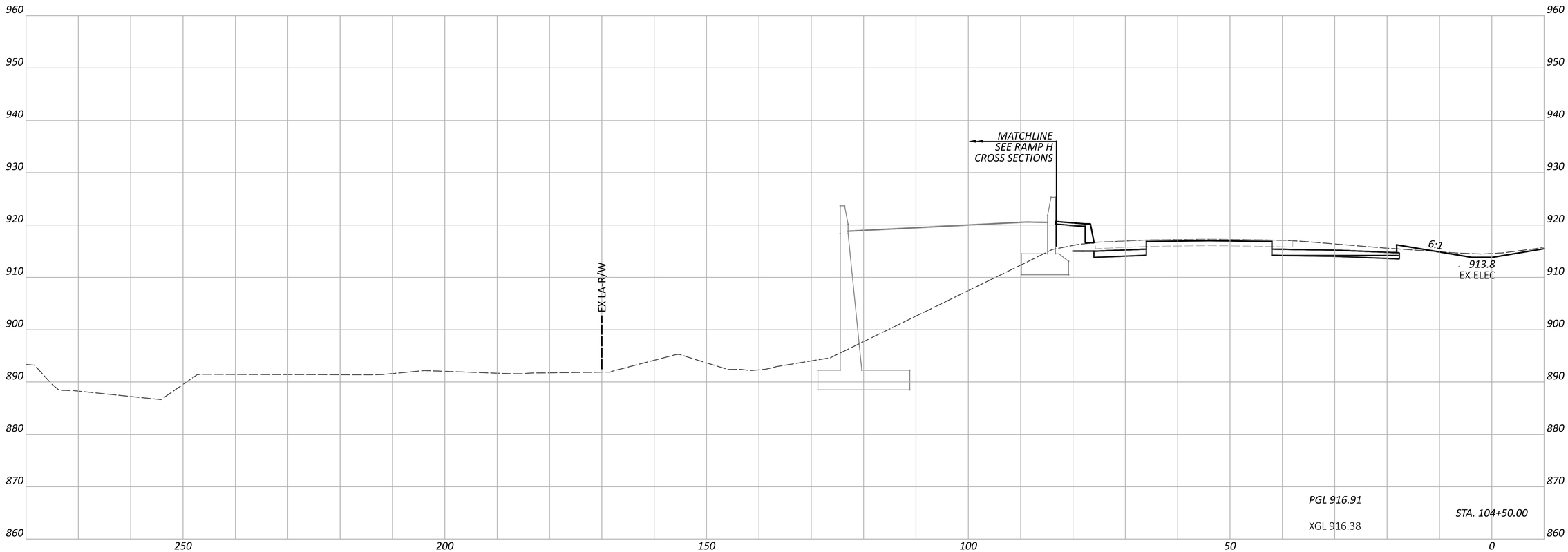


CROSS SECTIONS - IR 70 WB
STA. 104+50.00

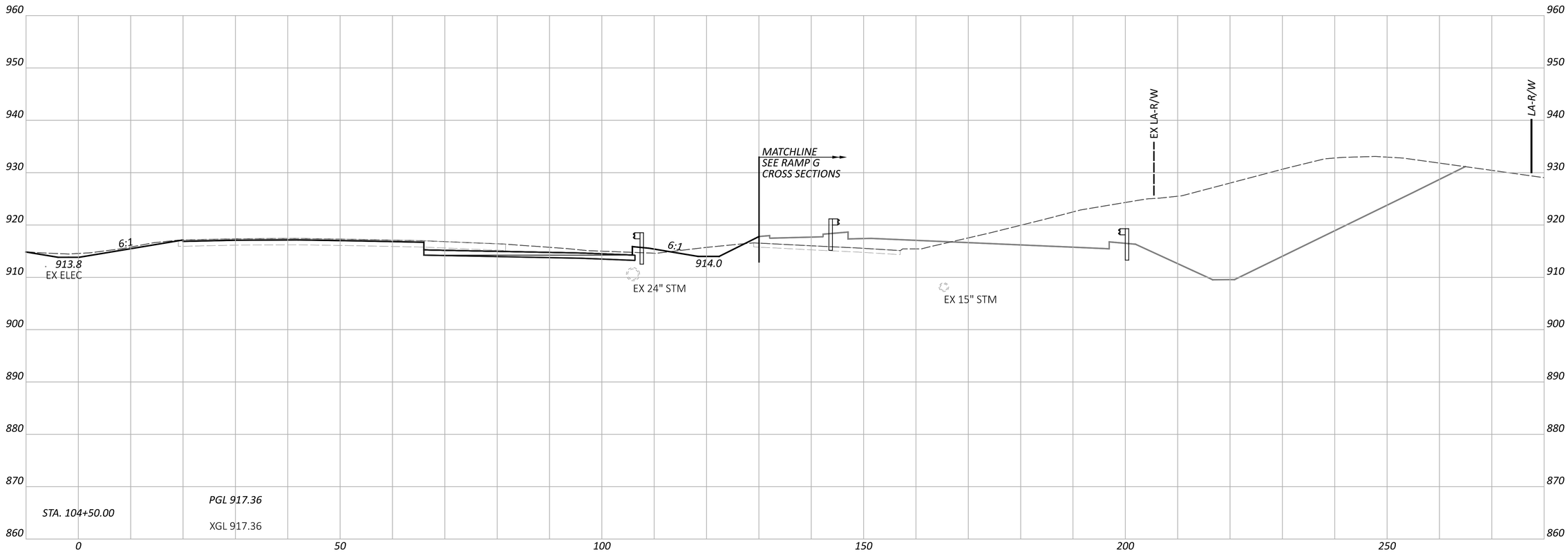
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0596 | TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 104+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0597 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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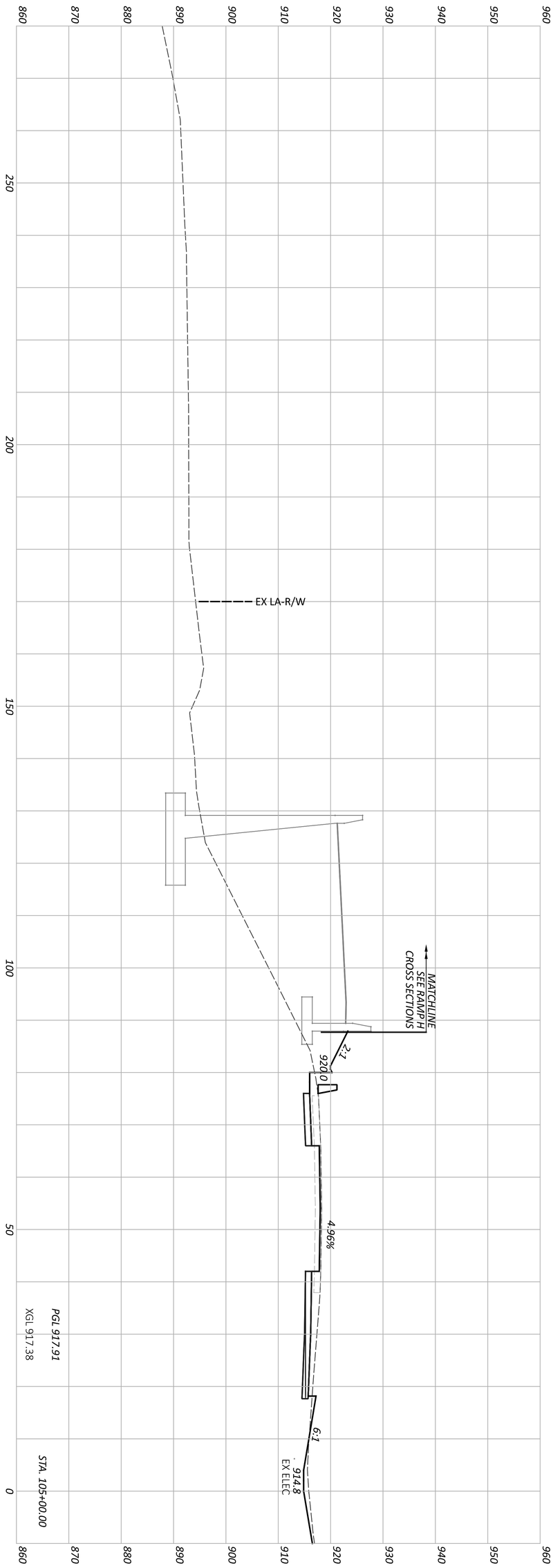
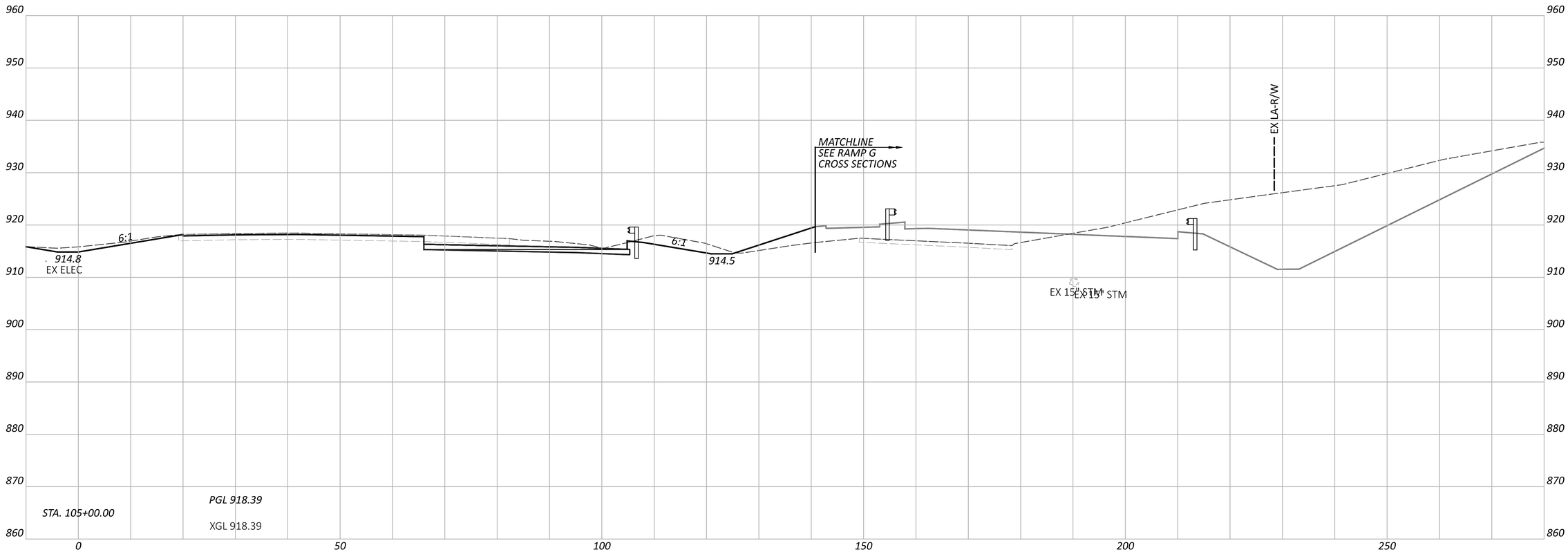


DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.	DESIGNER: BER	REVIEWER: KAM 04/25/25	PROJECT ID: 96808
SHEET: P.0598	TOTAL: P.1556		

CROSS SECTIONS - IR 70 WB
STA. 105+00.00



CROSS SECTIONS - IR 70 EB
STA. 105+00.00

FAI/LIC-IR 70-0.00/0.00

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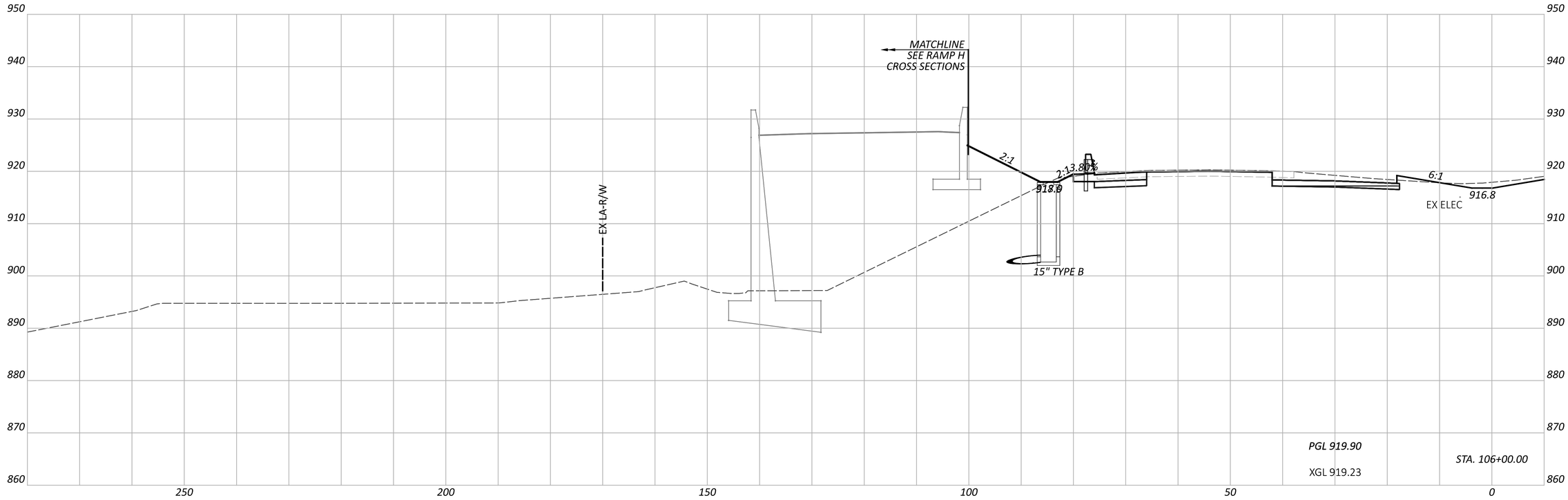
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

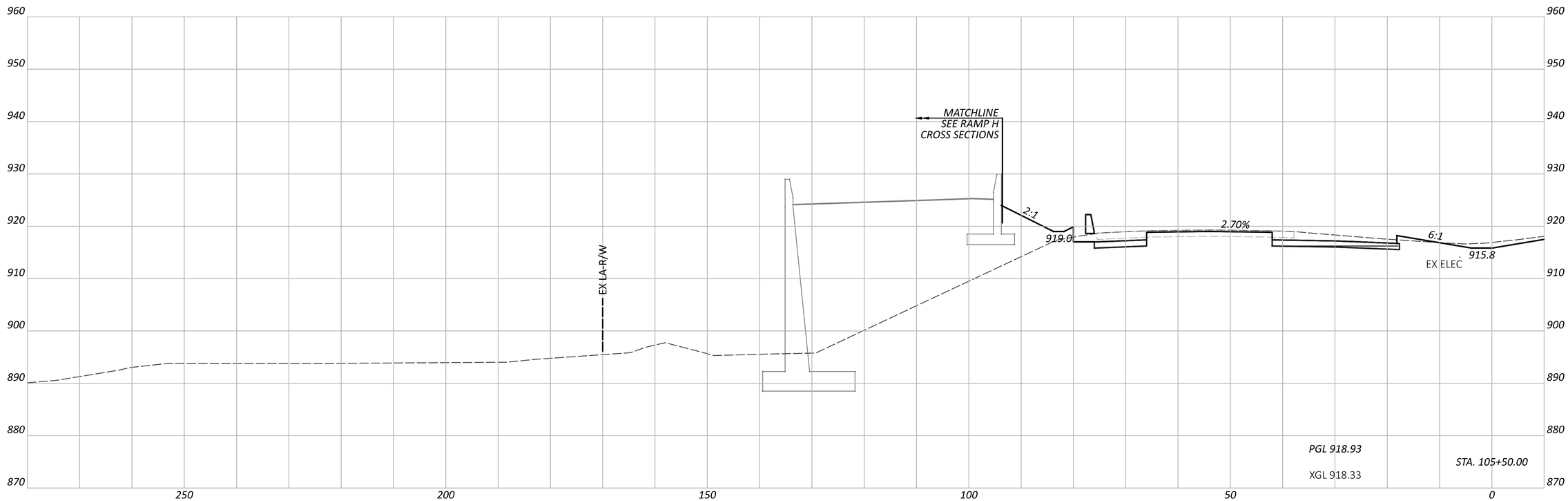
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0599 TOTAL P.1556





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STA. 105+50.00 TO STA. 106+00.00

FAI/LIC-IR 70-0.00/0.00

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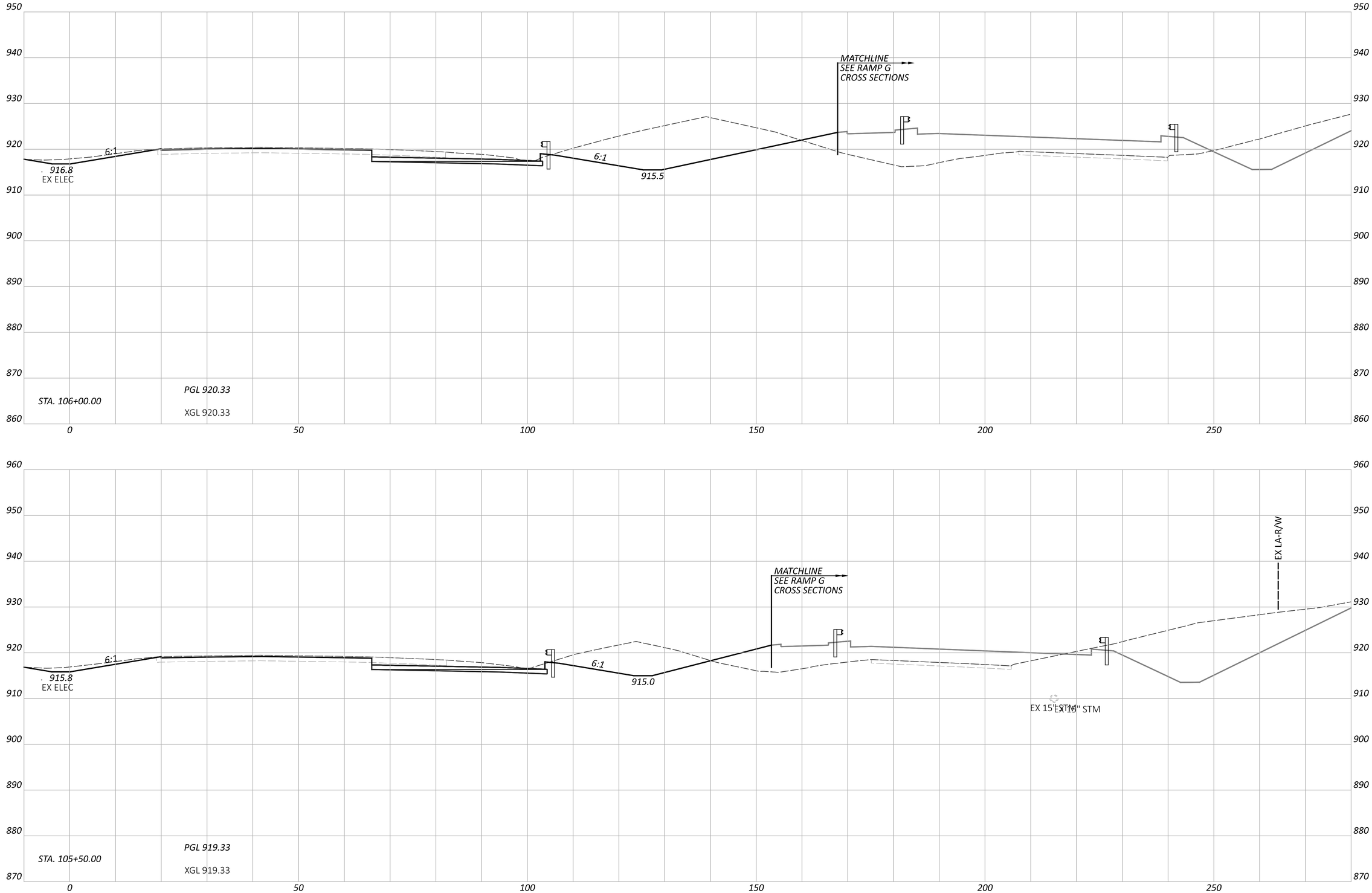
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0600 TOTAL P.1556



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STA. 105+50.00 TO STA. 106+00.00

FAI/LIC-IR 70-0.00/0.00

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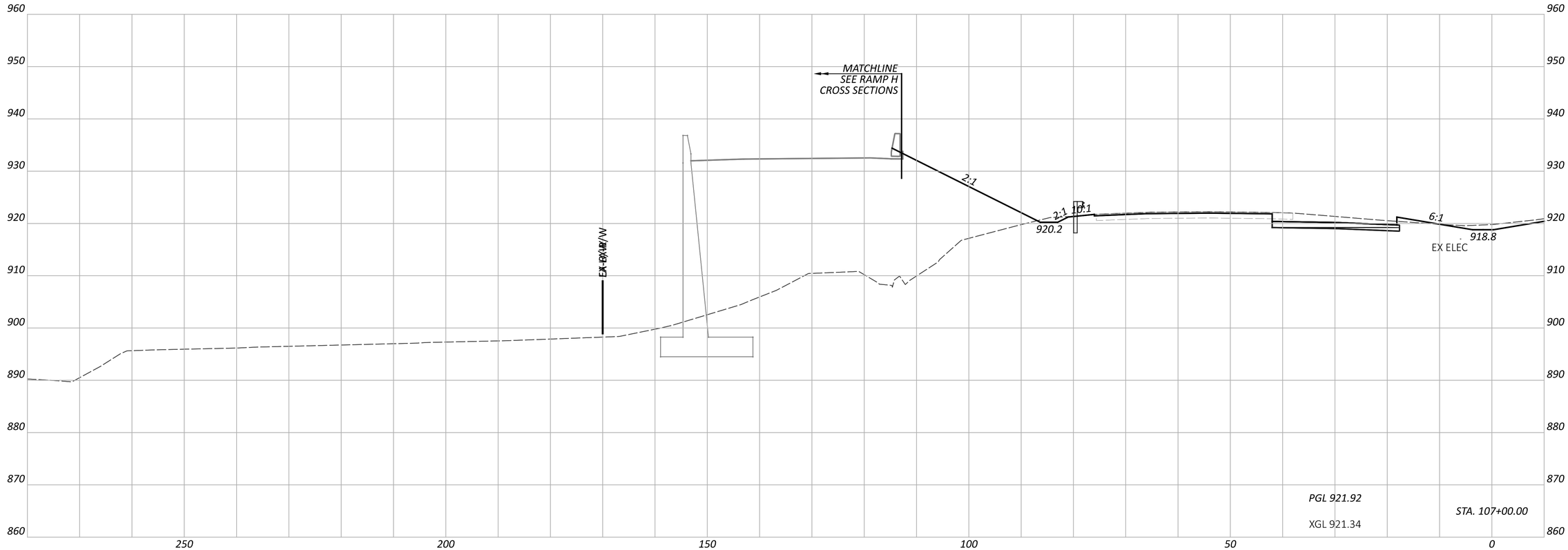
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

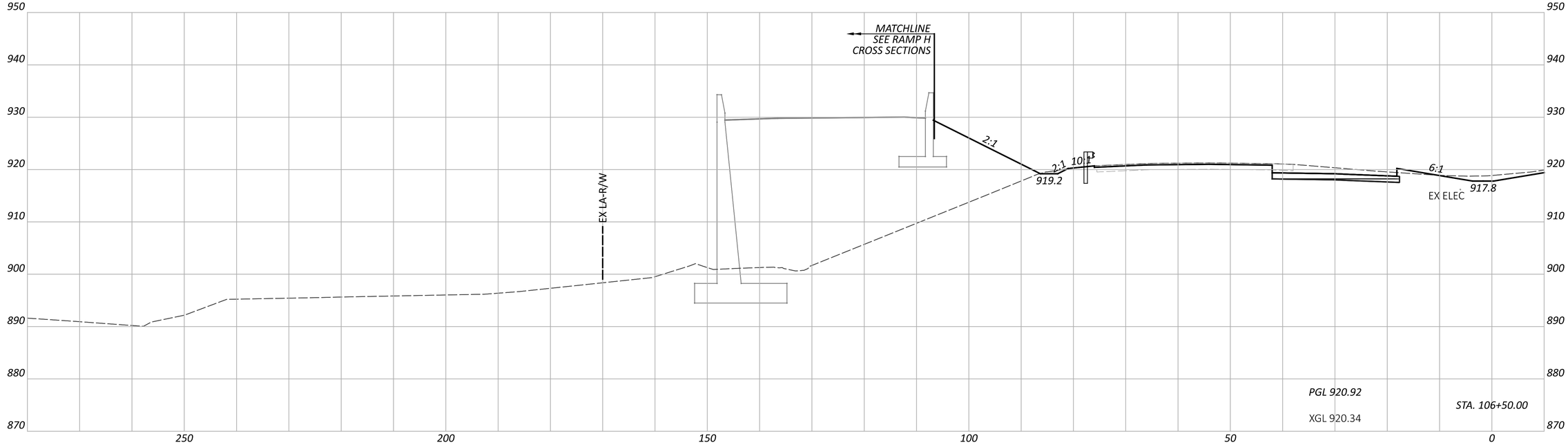
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0601 TOTAL P.1556





CROSS SECTIONS - IR 70 WB
STA. 106+50.00 TO STA. 107+00.00

FAI/LIC-IR 70-0.00/0.00

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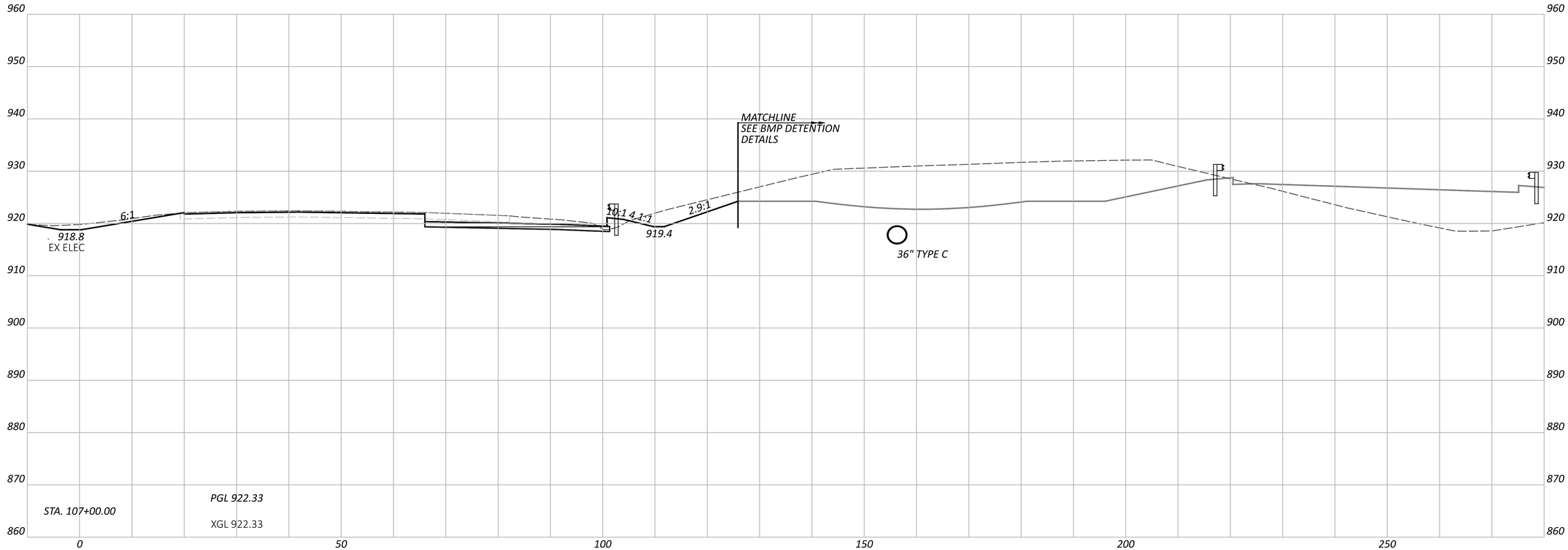
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

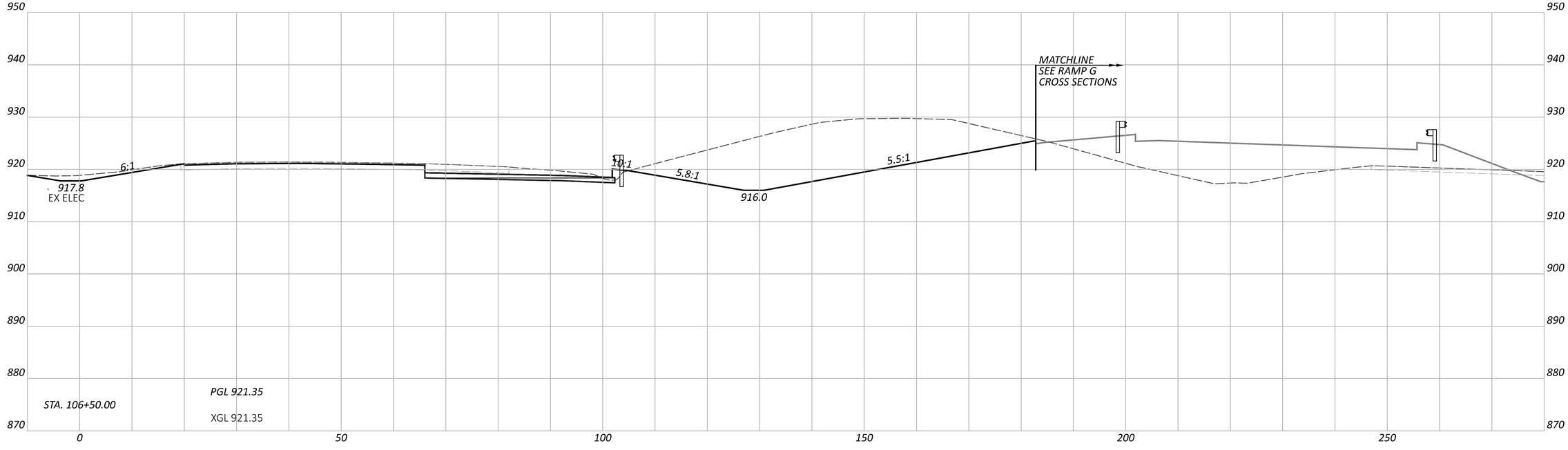
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0602 TOTAL P.1556





CROSS SECTIONS - IR 70 EB
STA. 106+50.00 TO STA. 107+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0603 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 107+50.00 TO STA. 108+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 107+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:50:20 AM USER: brieder
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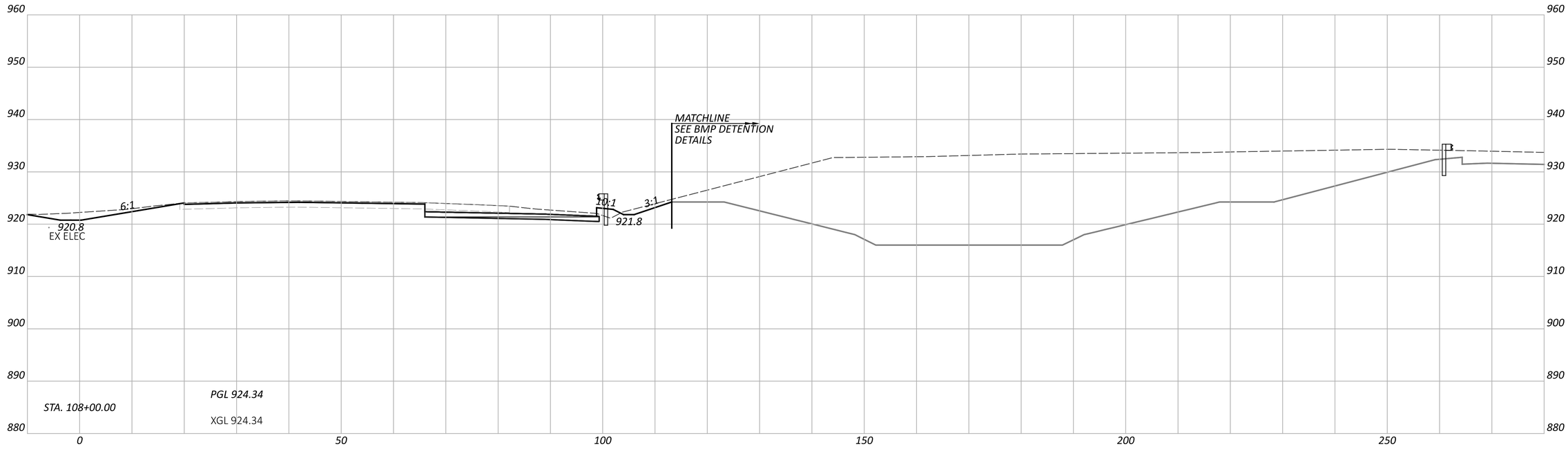
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

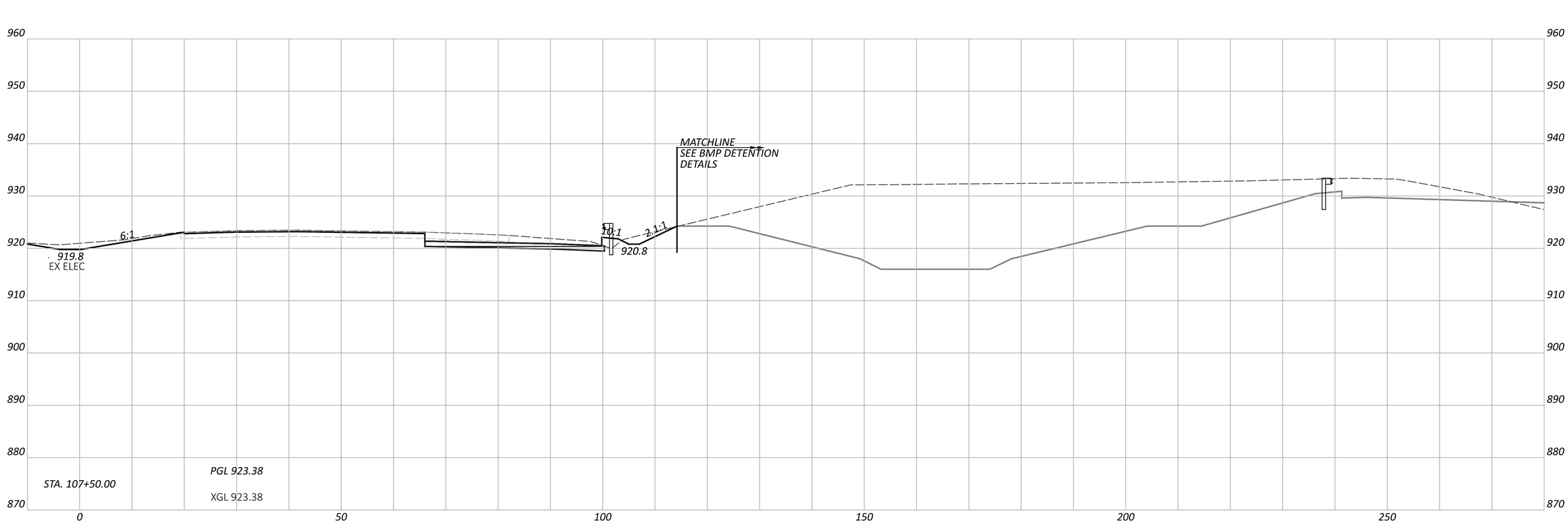
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0604 TOTAL P.1556





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FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0605 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 108+50.00 TO STA. 109+00.00

FAI/LIC-IR 70-0.00/0.00

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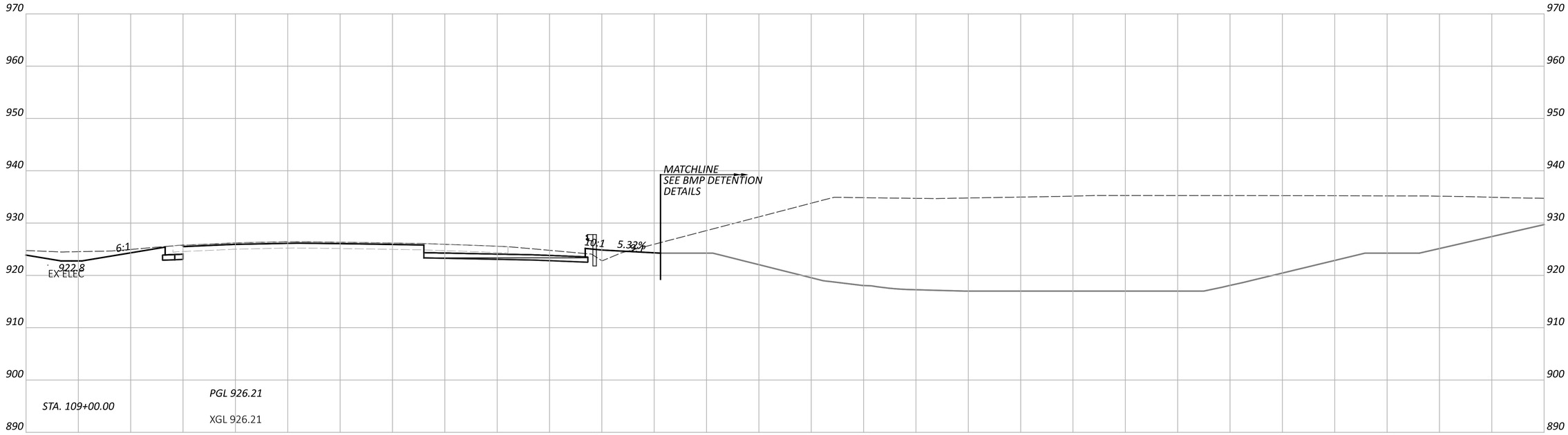
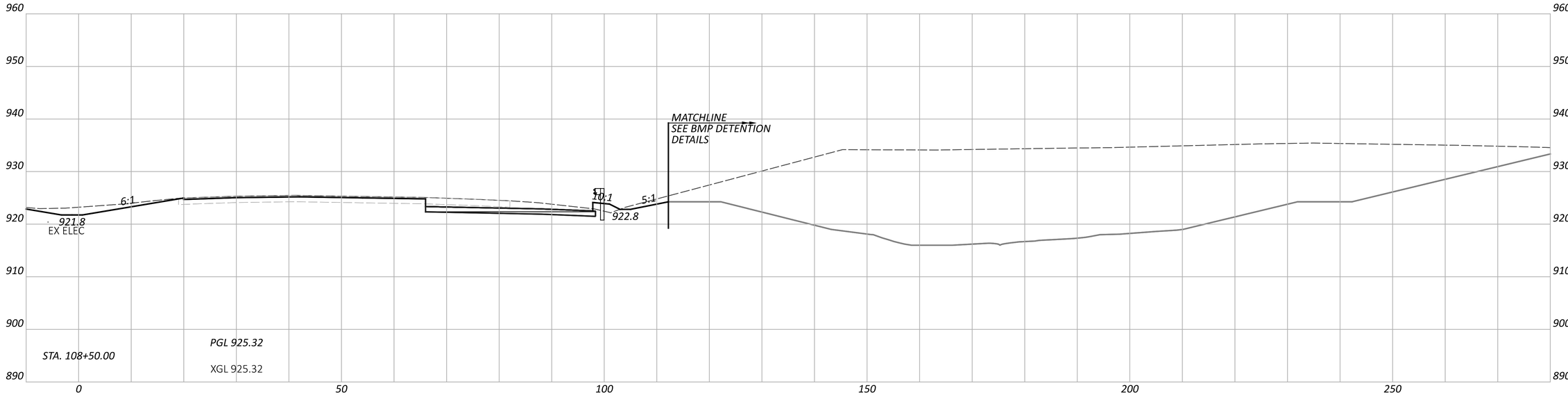
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0606
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 108+50.00 TO STA. 109+00.00

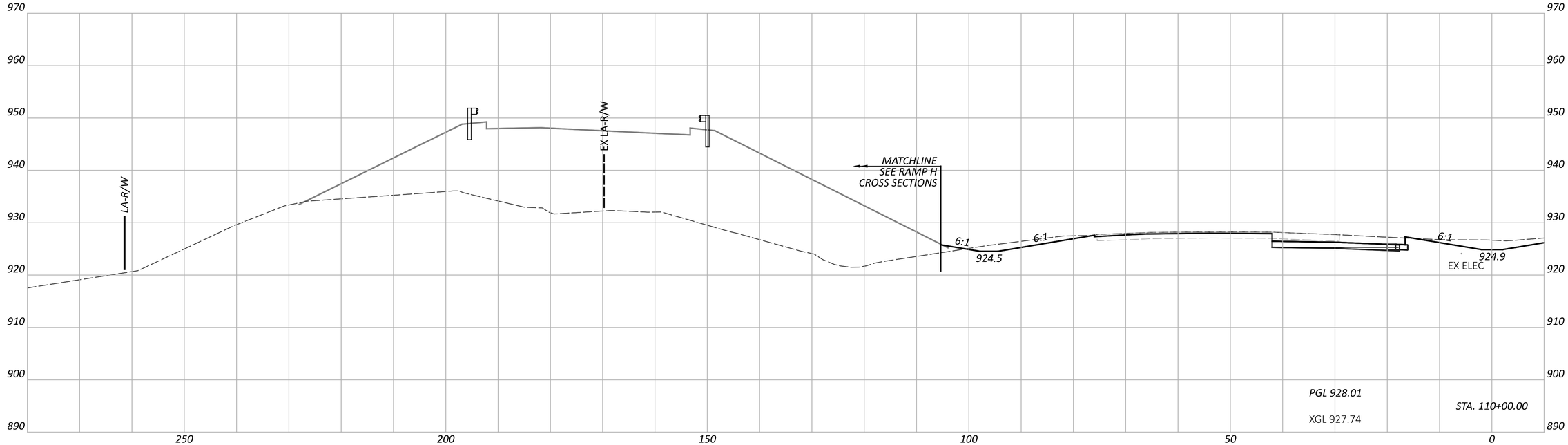
DESIGN AGENCY
STRUCTUREPOINT LLC

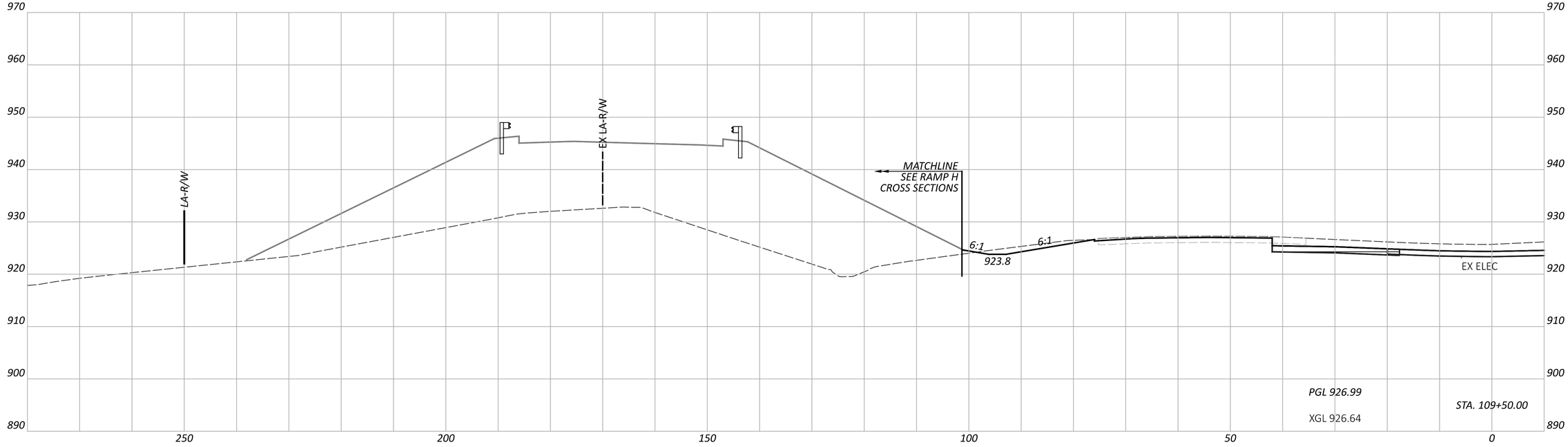
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0607 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 109+50.00 TO STA. 110+00.00

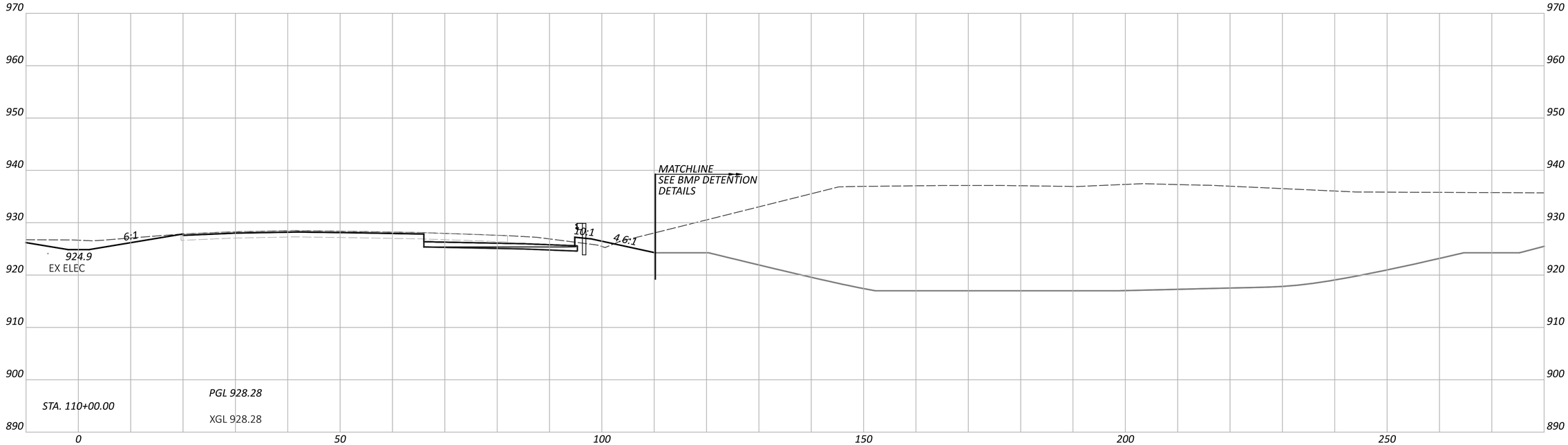
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

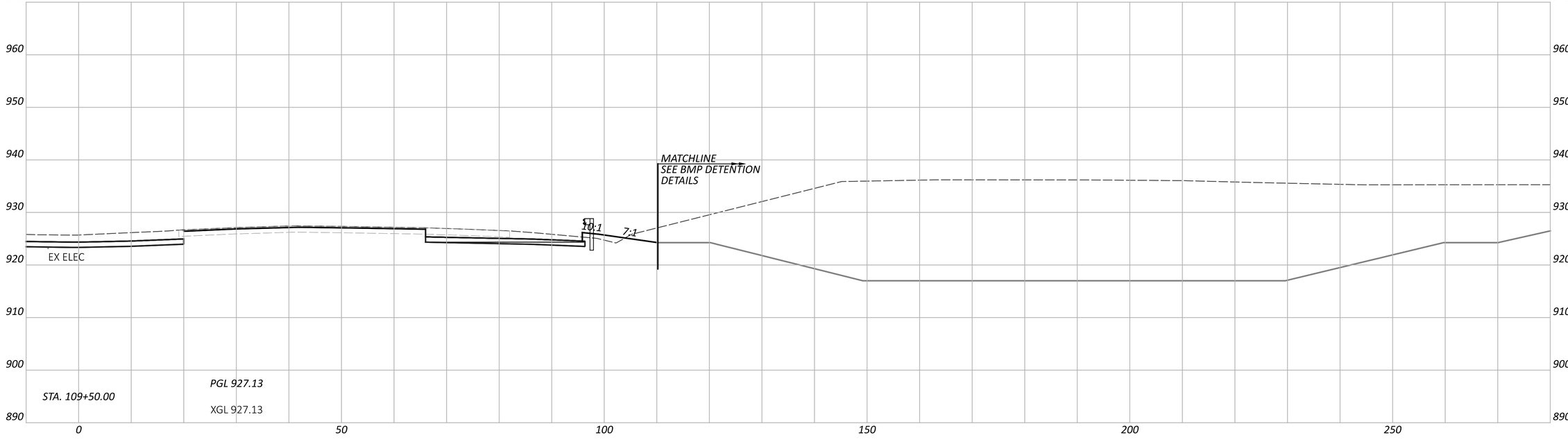
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0608 | TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 109+50.00 TO STA. 110+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0609 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 110+50.00 TO STA. 111+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 110+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:50:59 AM USER: brieder
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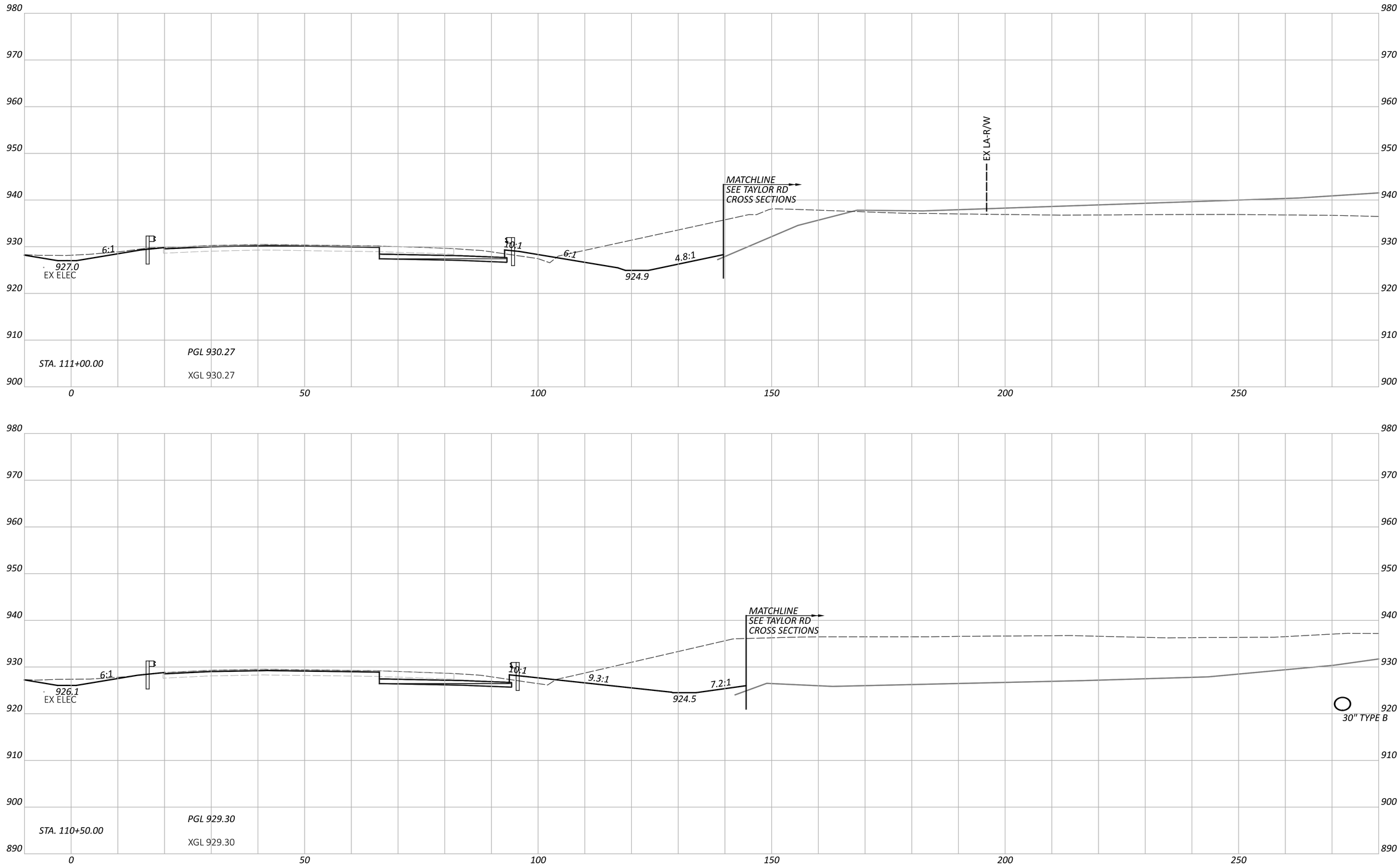
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0610 TOTAL P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 110+50.00 TO STA. 111+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0611 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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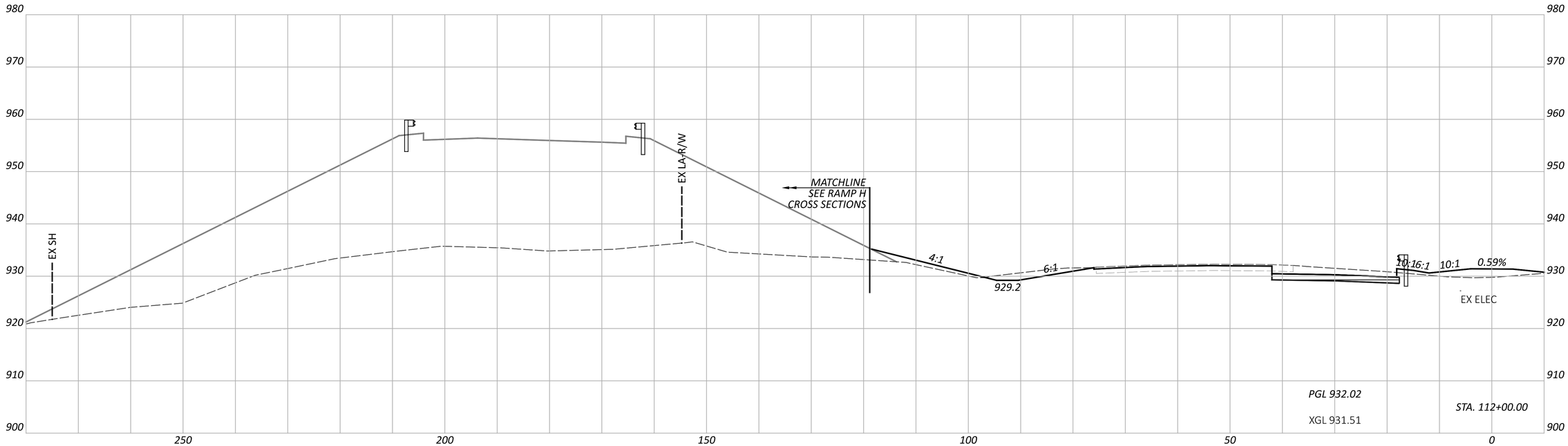

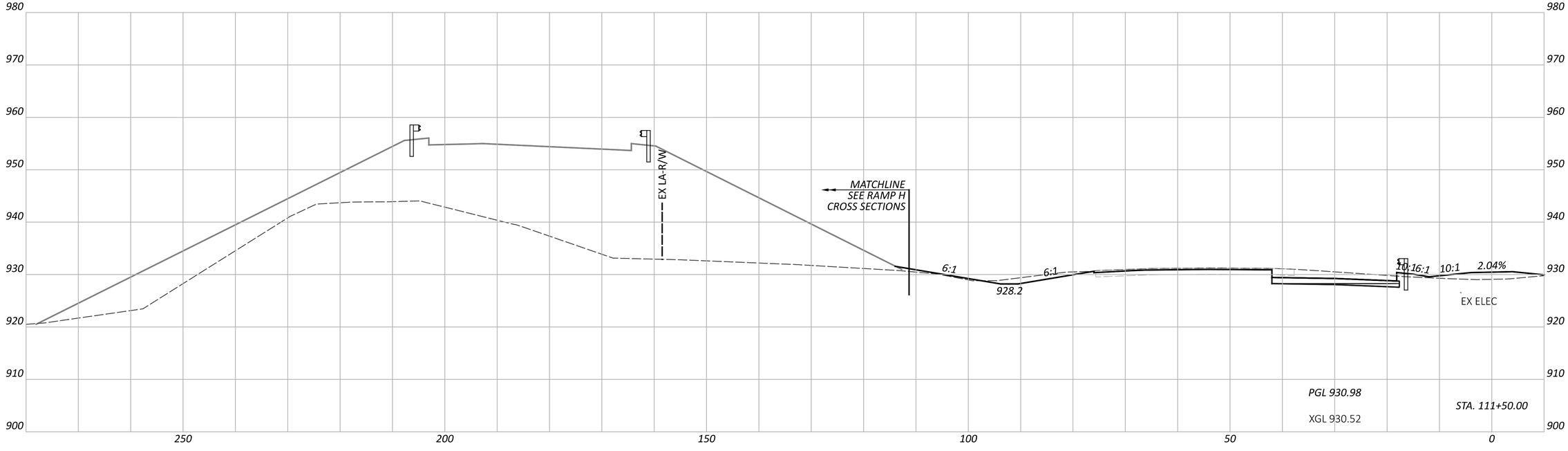

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STA. 111+50.00 TO STA. 112+00.00

FAI/LIC-IR 70-0.00/0.00

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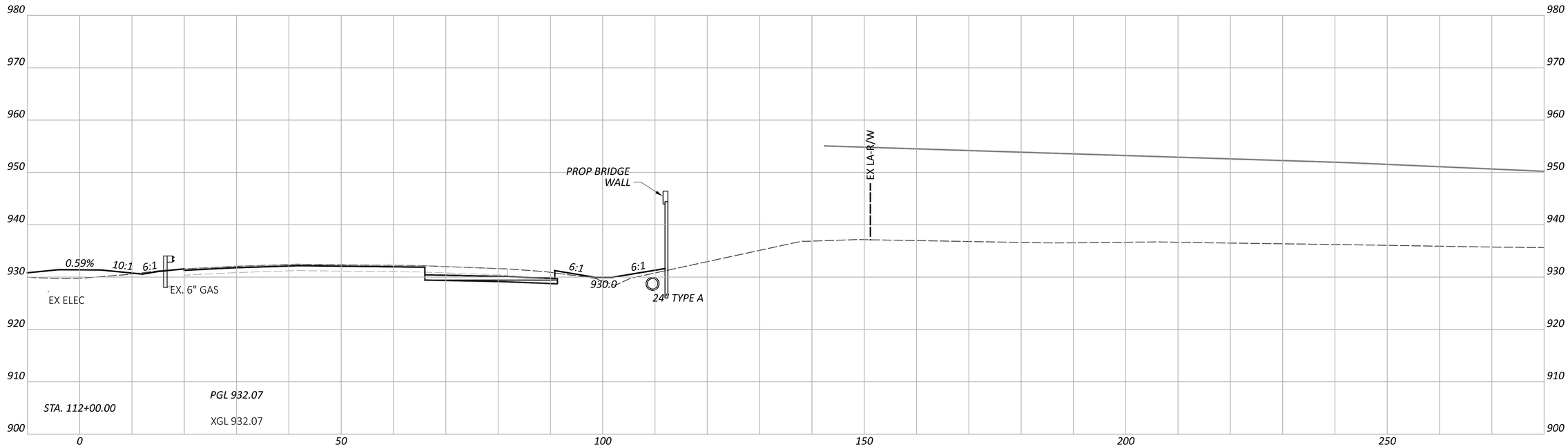
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

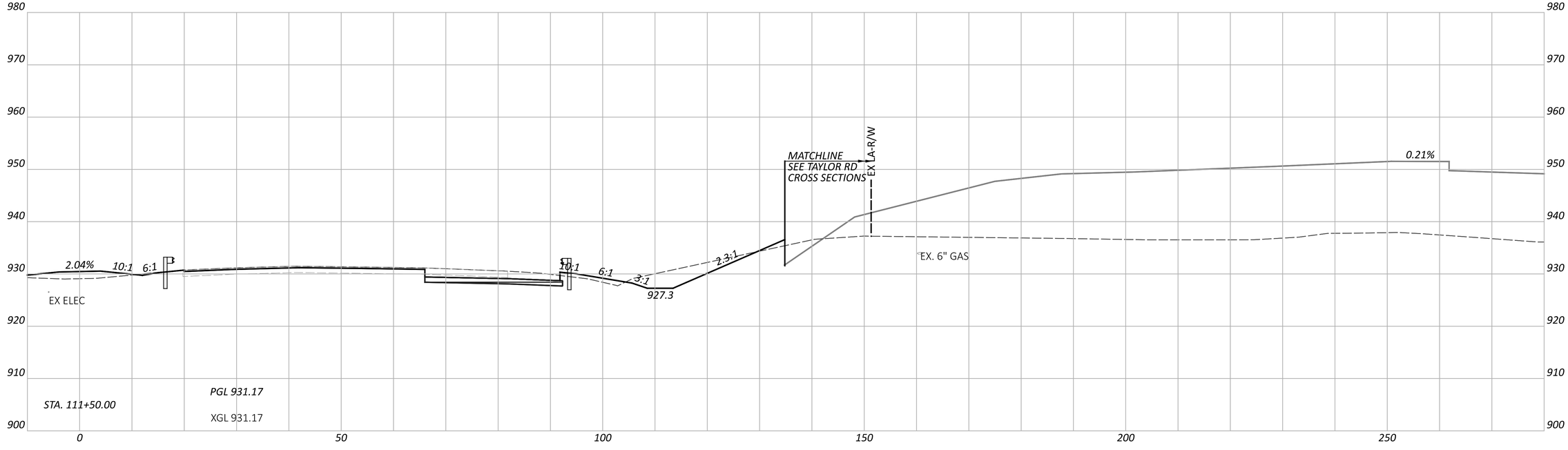
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0612 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 111+50.00 TO STA. 112+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0613 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 112+50.00 TO STA. 113+00.00

FAI/LIC-IR 70-0.00/0.00

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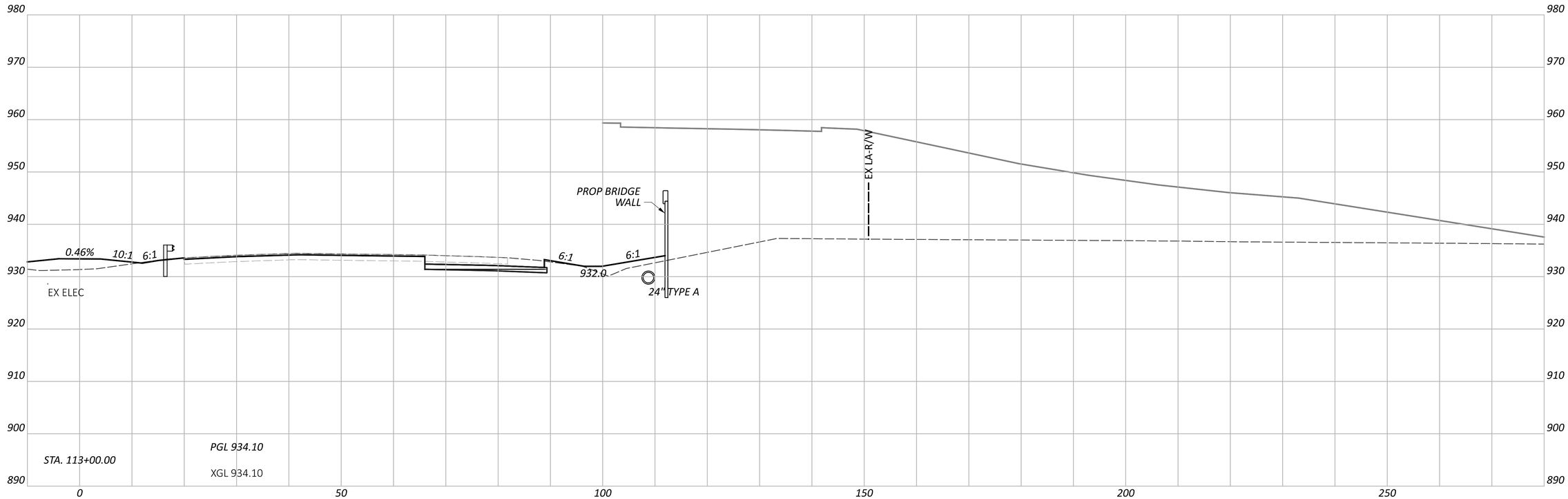
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

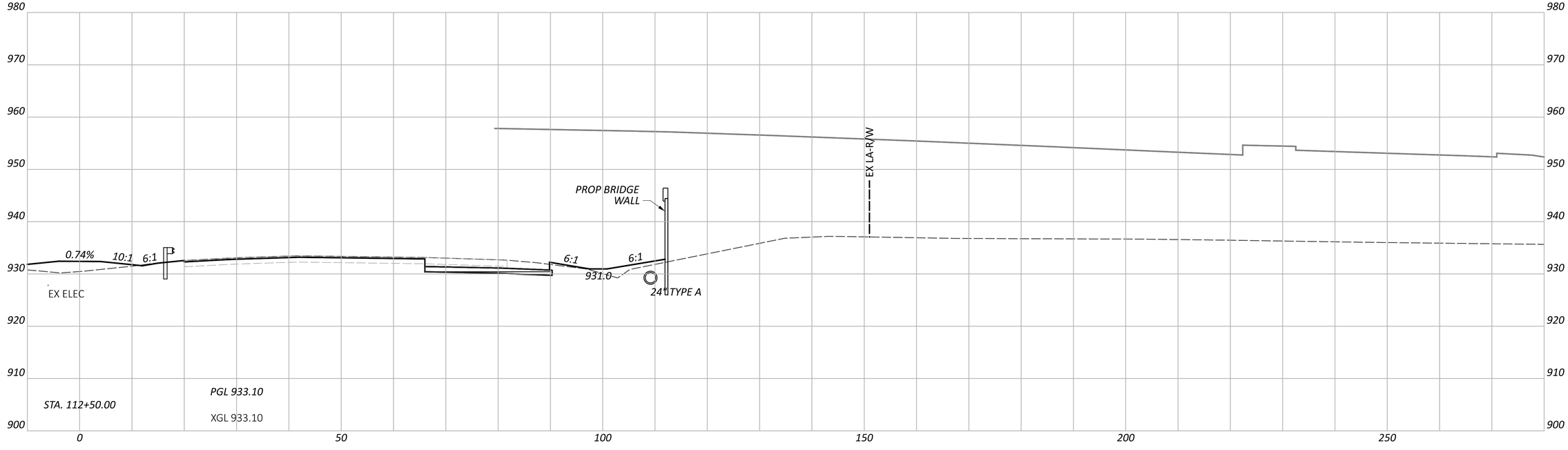
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0614 | TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 EB
STA. 112+50.00 TO STA. 113+00.00

FAI/LIC-IR 70-0.00/0.00

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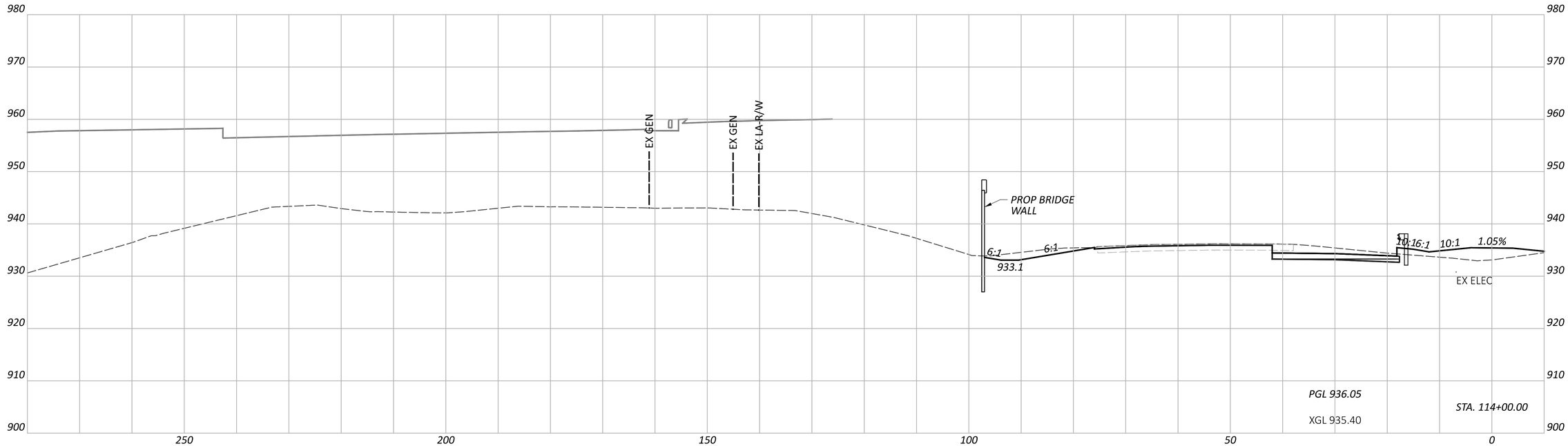
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

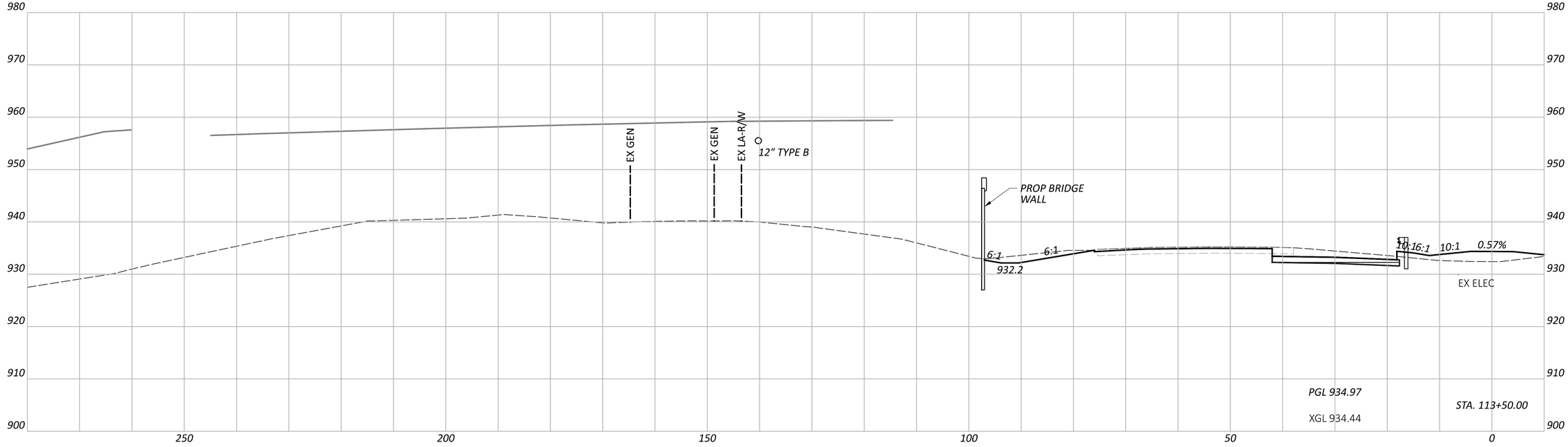
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0615 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 113+50.00 TO STA. 114+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 113+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:51:38 AM USER: brieder
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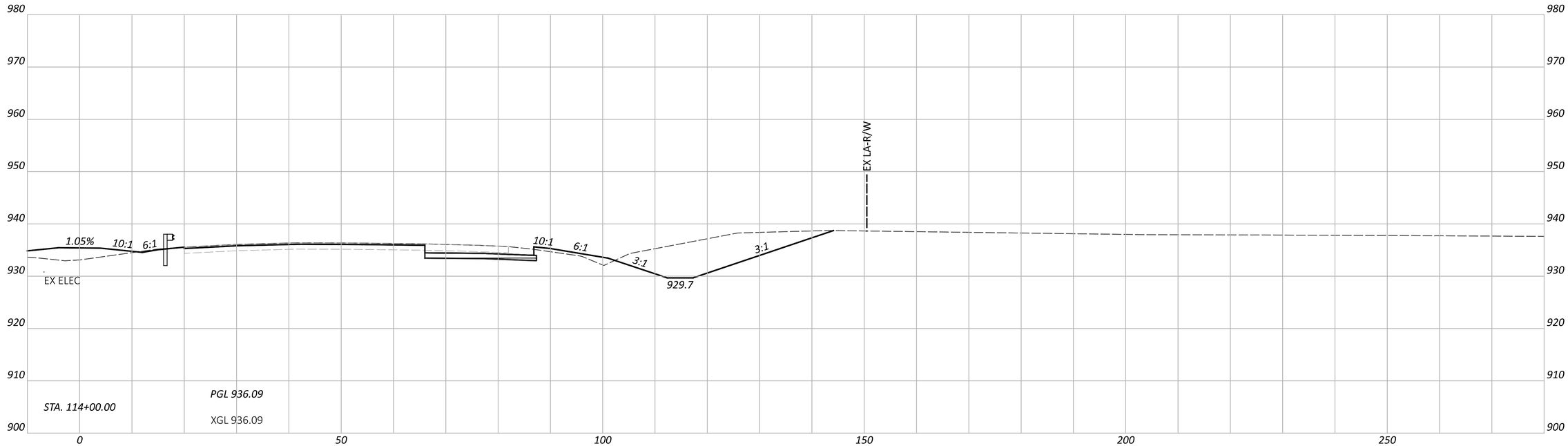
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

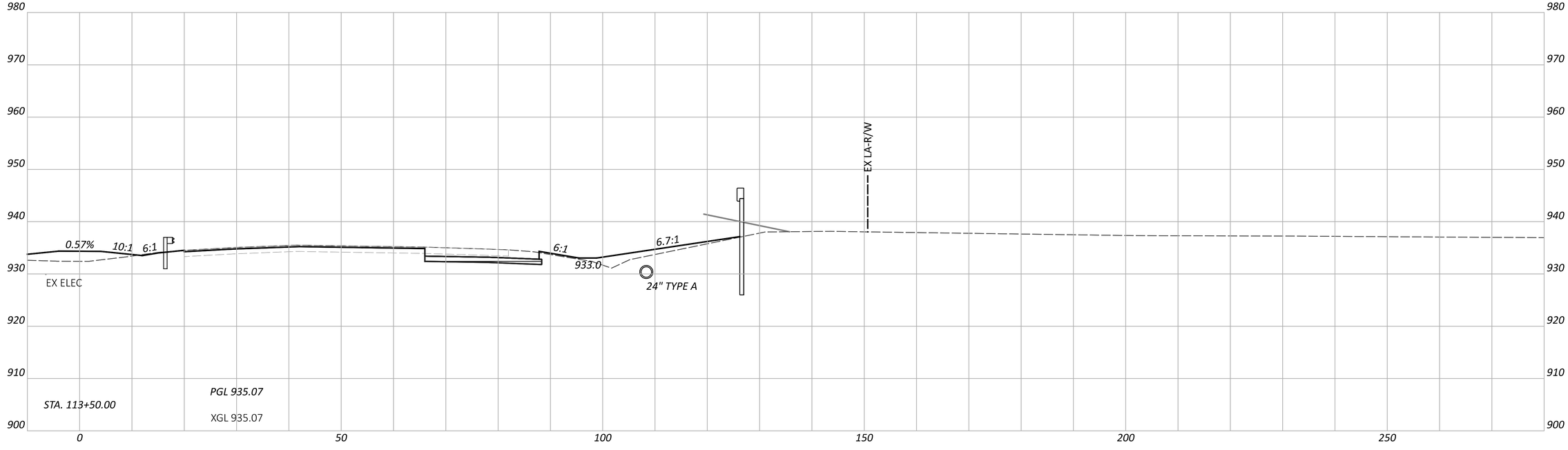
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0616 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 113+50.00 TO STA. 114+00.00

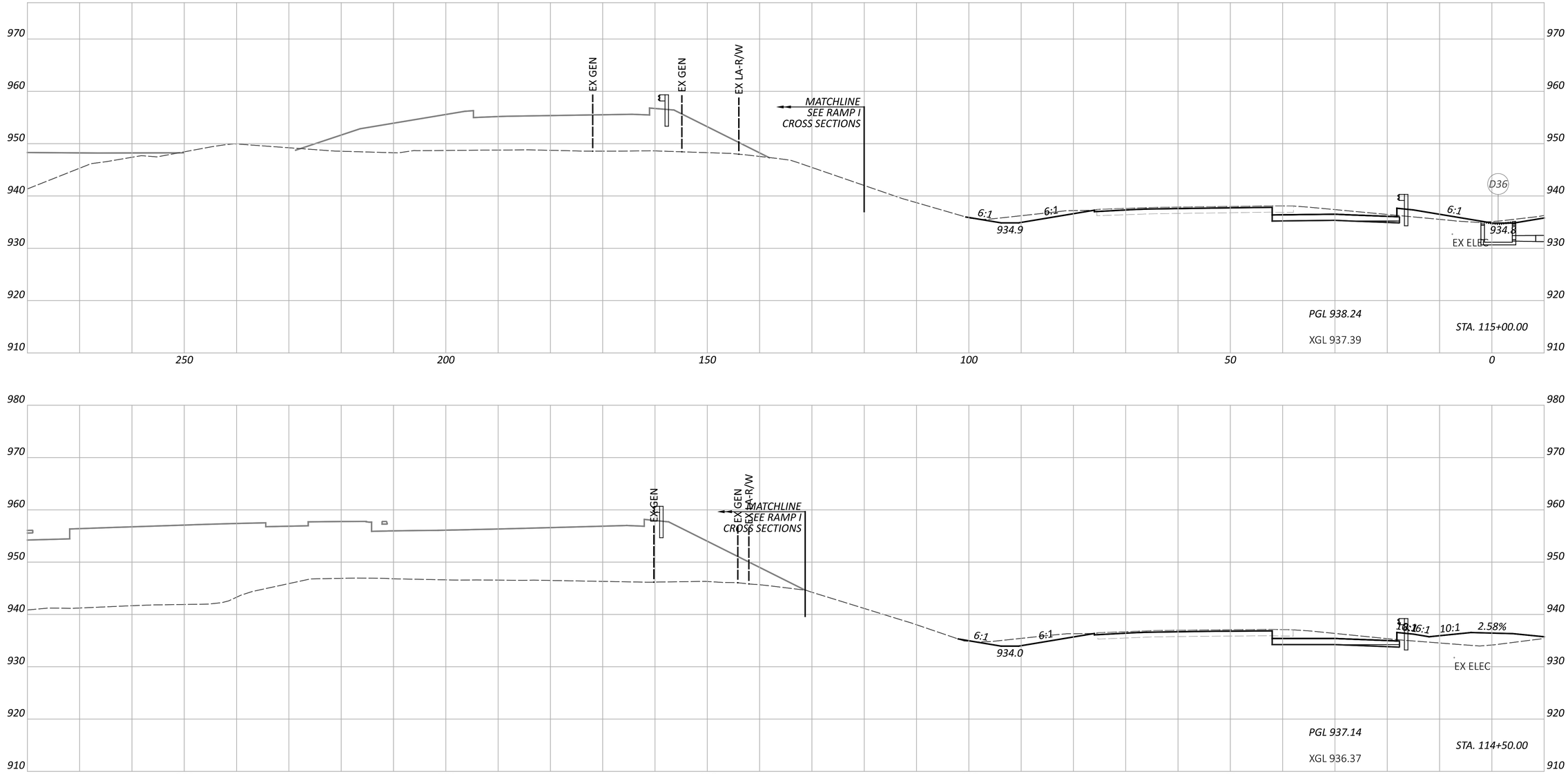
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0617 TOTAL P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - IR 70 WB
STA. 114+50.00 TO STA. 115+00.00

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0618
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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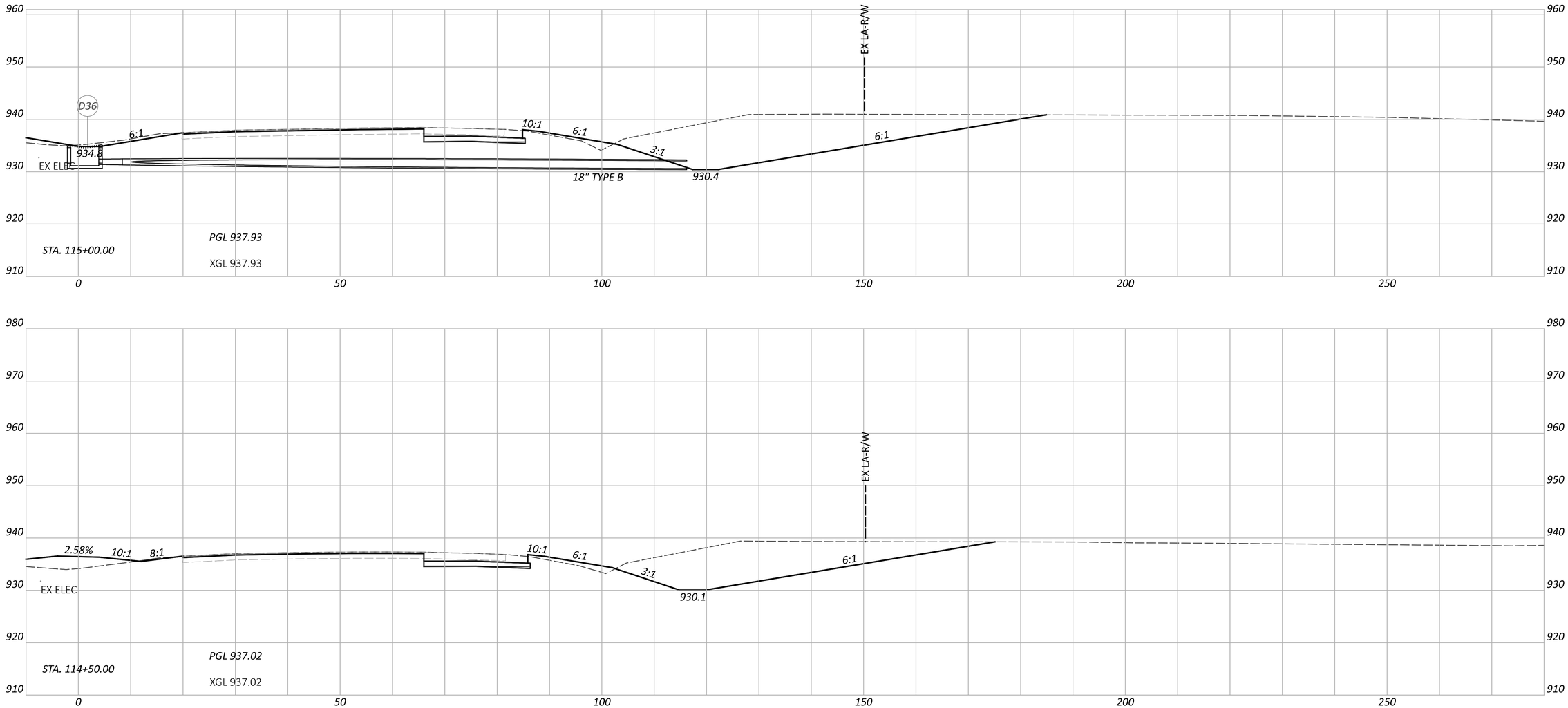

CROSS SECTIONS - IR 70 EB
STA. 114+50.00 TO STA. 115+00.00

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0619 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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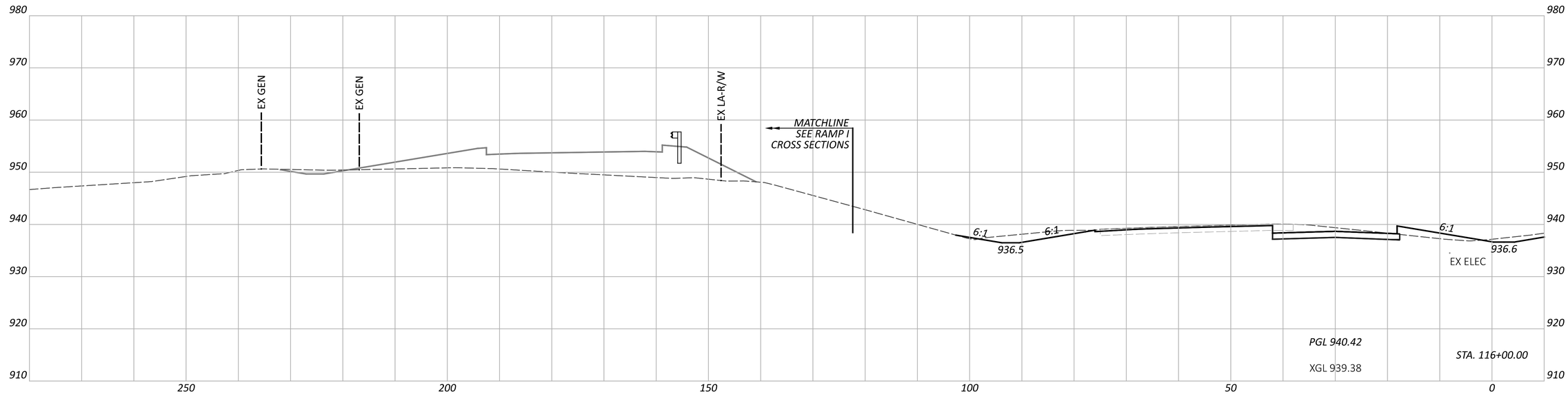

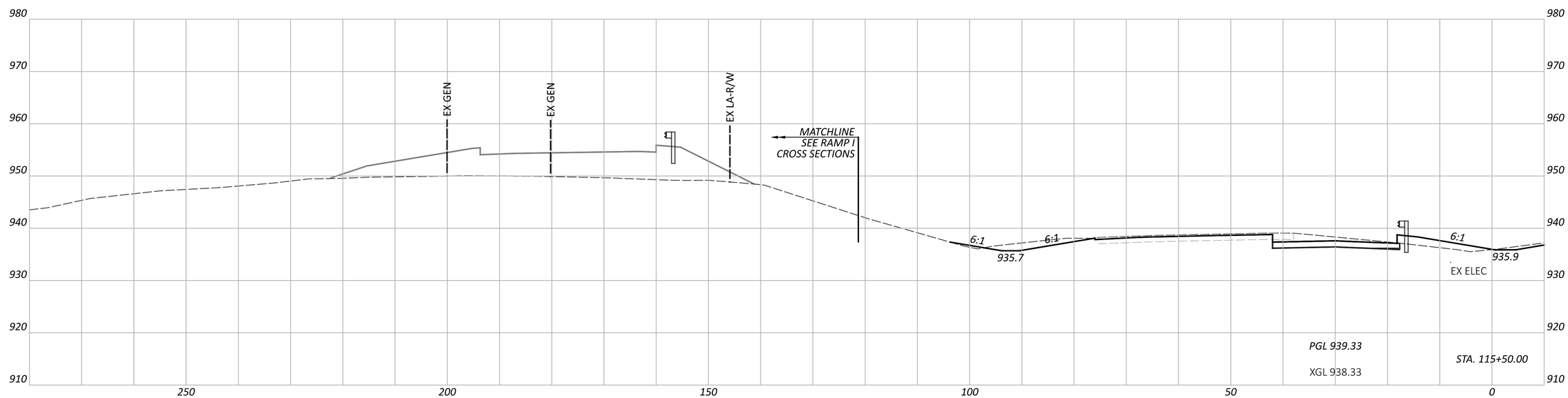

CROSS SECTIONS - IR 70 WB
STA. 115+50.00 TO STA. 116+00.00

FAI/LIC-IR 70-0.00/0.00

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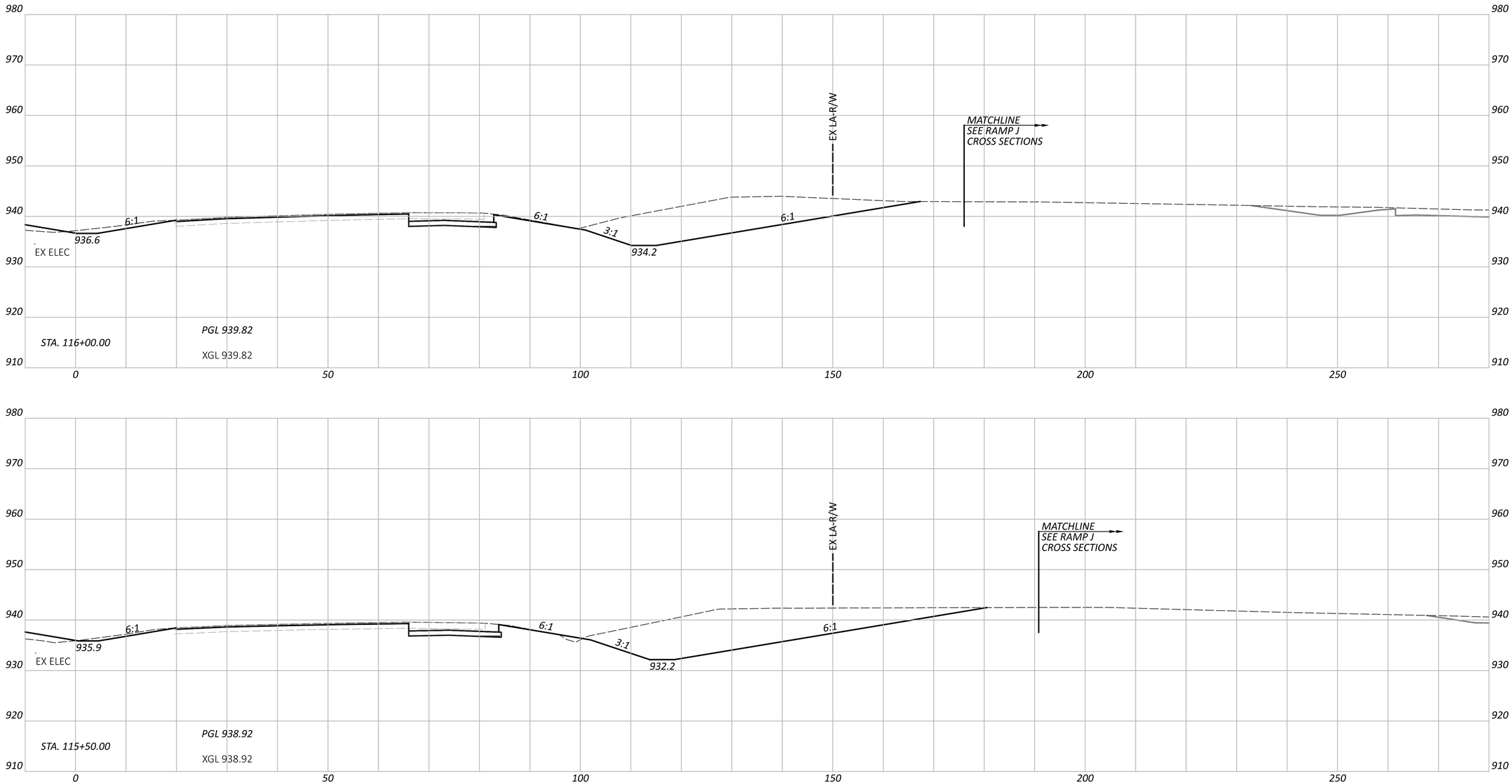
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0620 TOTAL P.1556



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STA. 115+50.00 TO STA. 116+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0621 TOTAL P.1556

MODEL: CLP_I070_WB - A 116+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:52:00 AM USER: brieder
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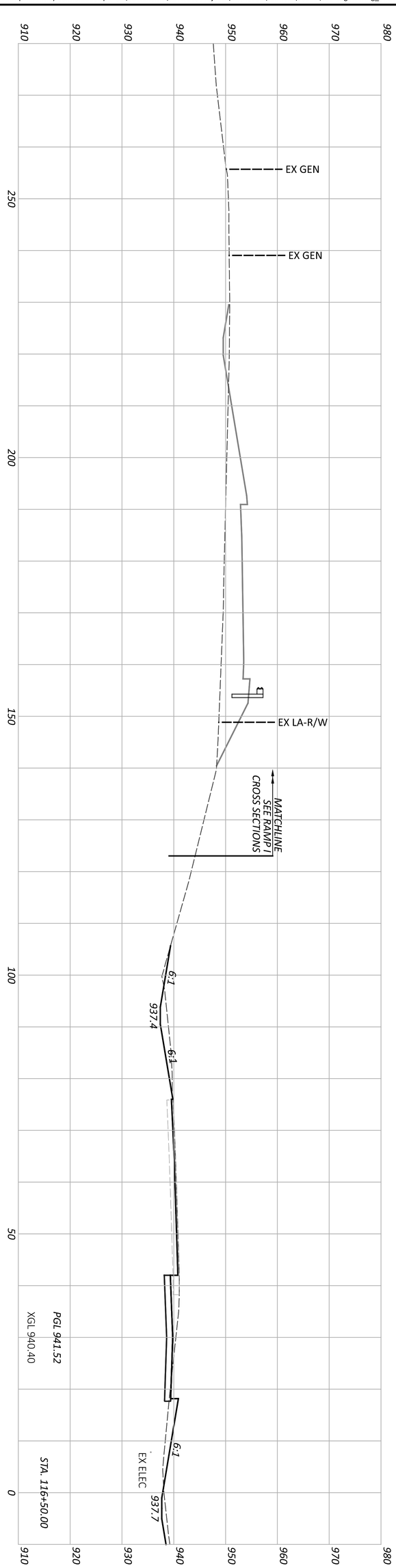

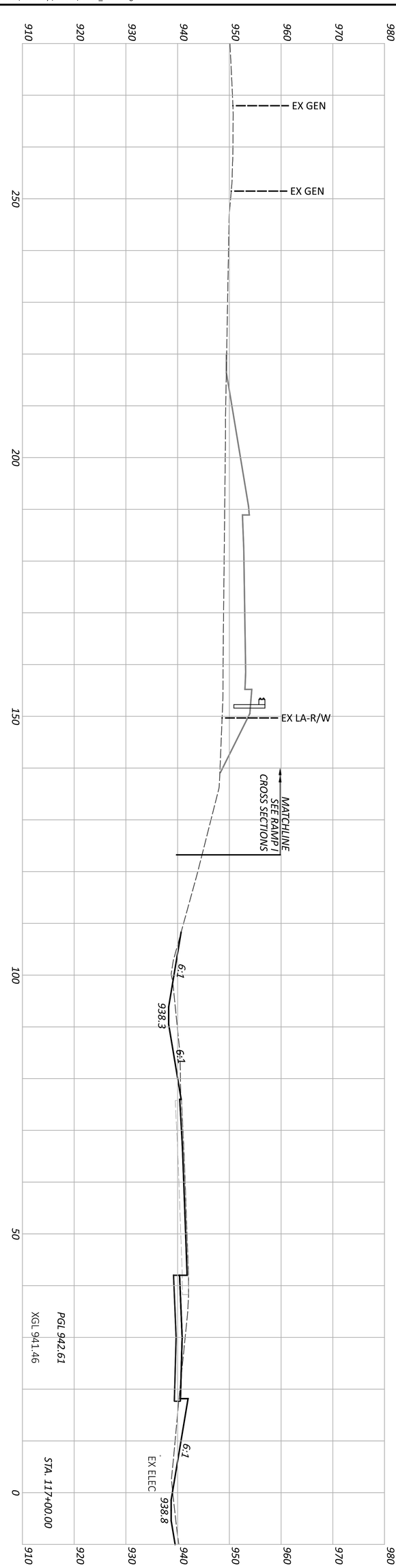

SHEET P.0622 / TOTAL P.1556	PROJECT ID 96808	REVIEWER KAM 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

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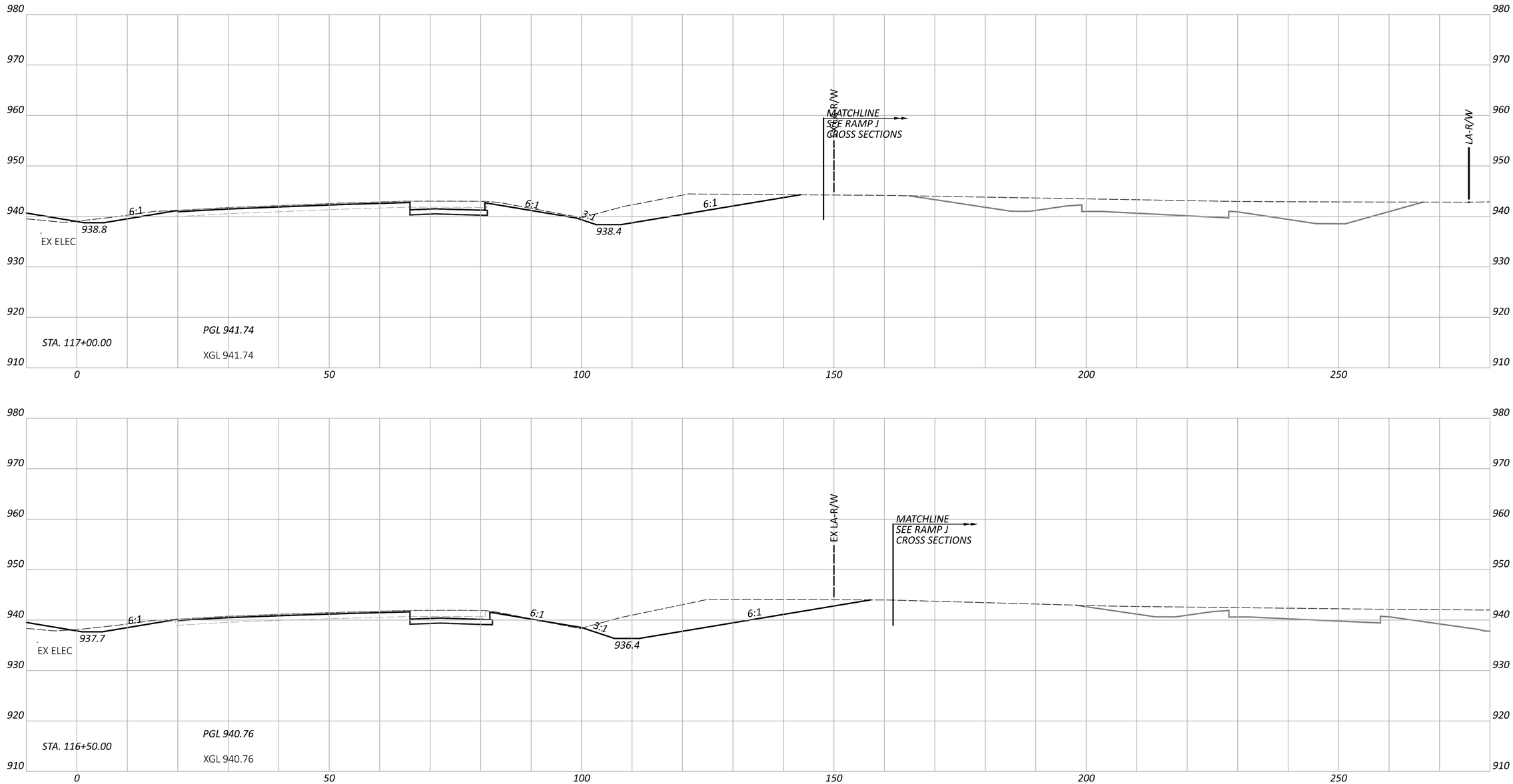
STA. 116+50.00 TO STA. 117+00.00



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CROSS SECTIONS - IR 70 EB
STA. 116+50.00 TO STA. 117+00.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0623 TOTAL P.1556

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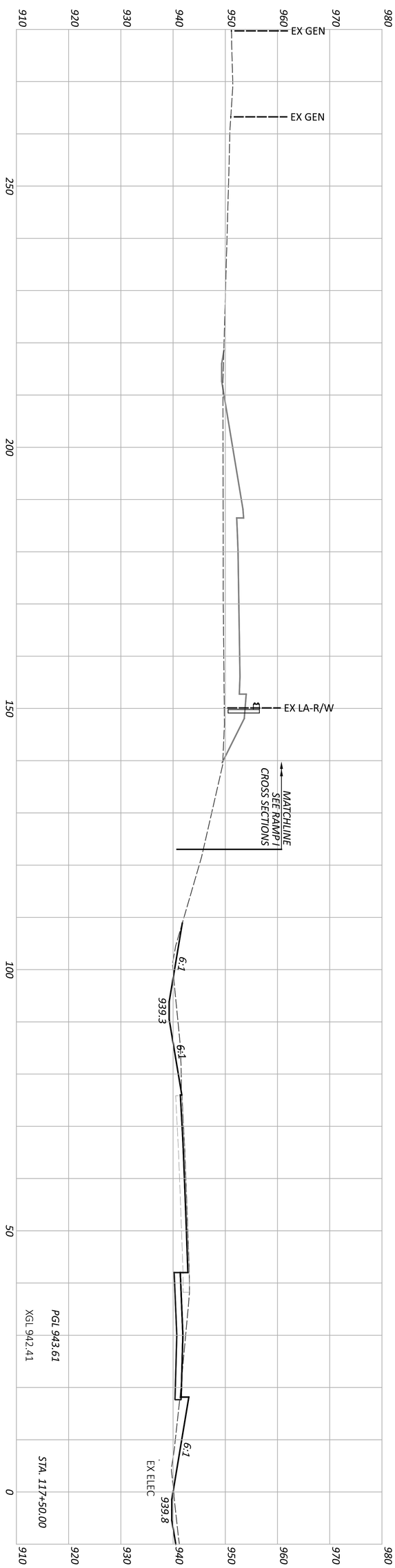

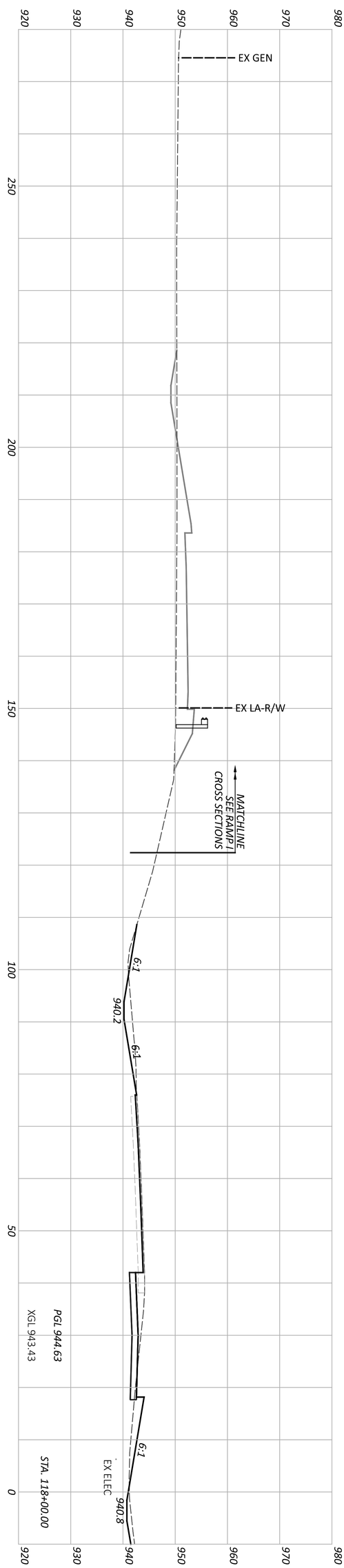

SHEET P.0624	TOTAL P.1556	PROJECT ID 96808	DESIGNER BER
REVIEWER KAM 04/25/25	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.		

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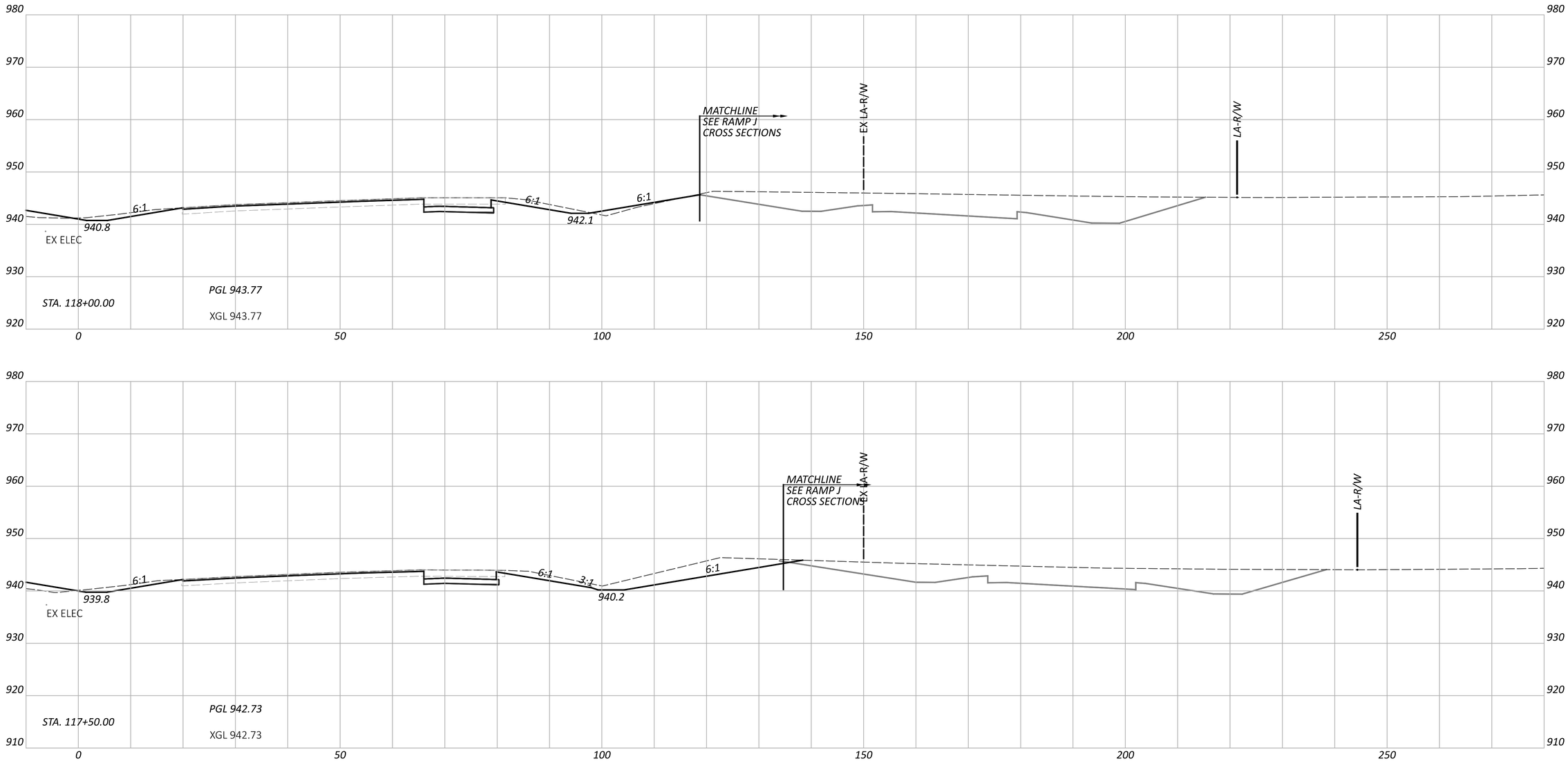
STA. 117+50.00 TO STA. 118+00.00



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FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0625 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 118+50.00 TO STA. 119+00.00

FAI/LIC-IR 70-0.00/0.00

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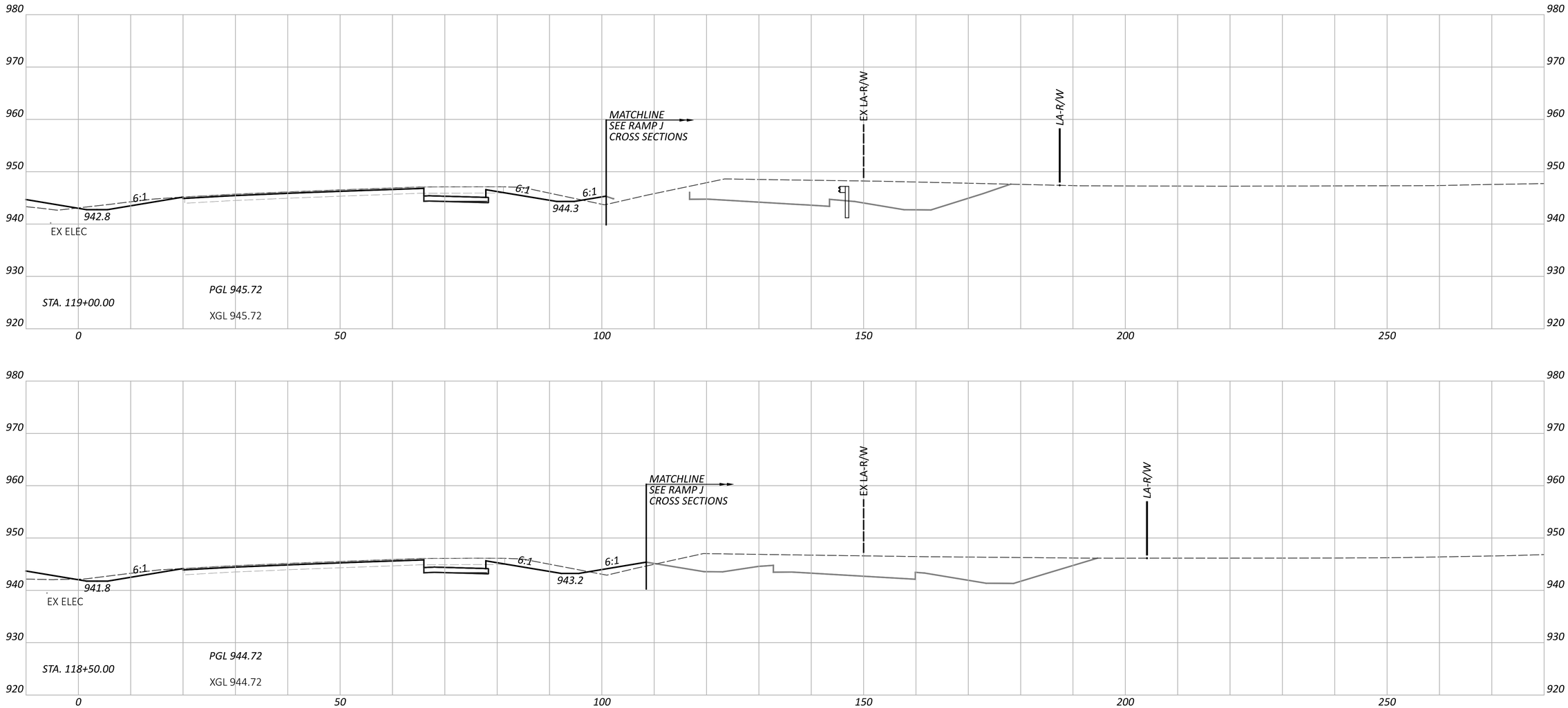
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0626
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
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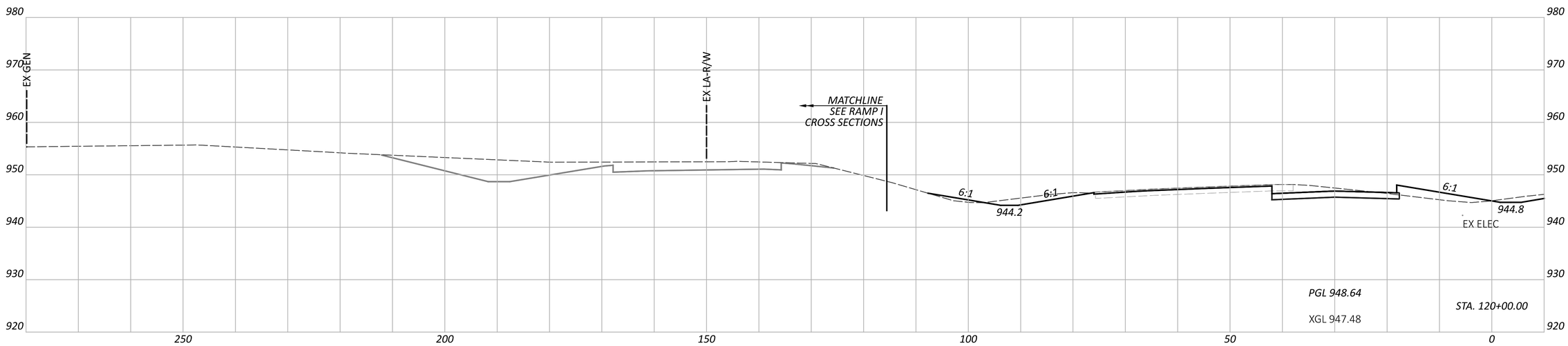
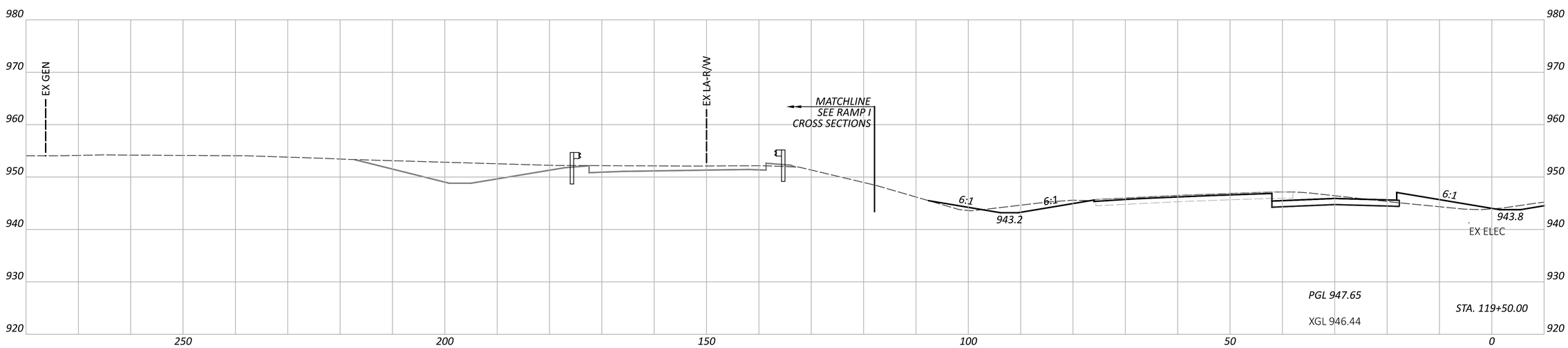
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0627
TOTAL	P.1556





CROSS SECTIONS - IR 70 WB
STA. 119+50.00 TO STA. 120+00.00

FAI/LIC-IR 70-0.00/0.00

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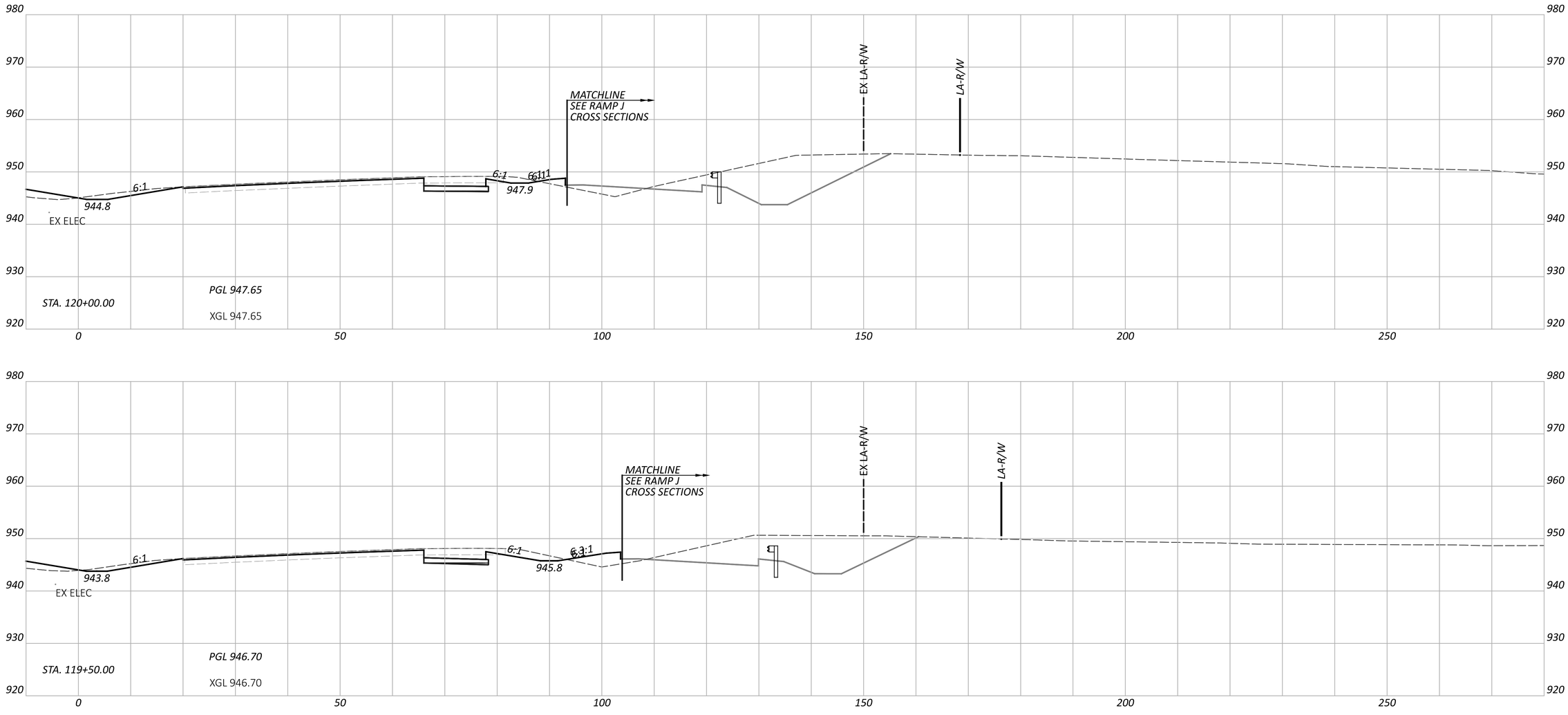
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0628 TOTAL P.1556



CROSS SECTIONS - IR 70 EB
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FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_EB - A 119+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:52:24 AM USER: brieder
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0629 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 120+50.00 TO STA. 121+00.00

FAI/LIC-IR 70-0.00/0.00

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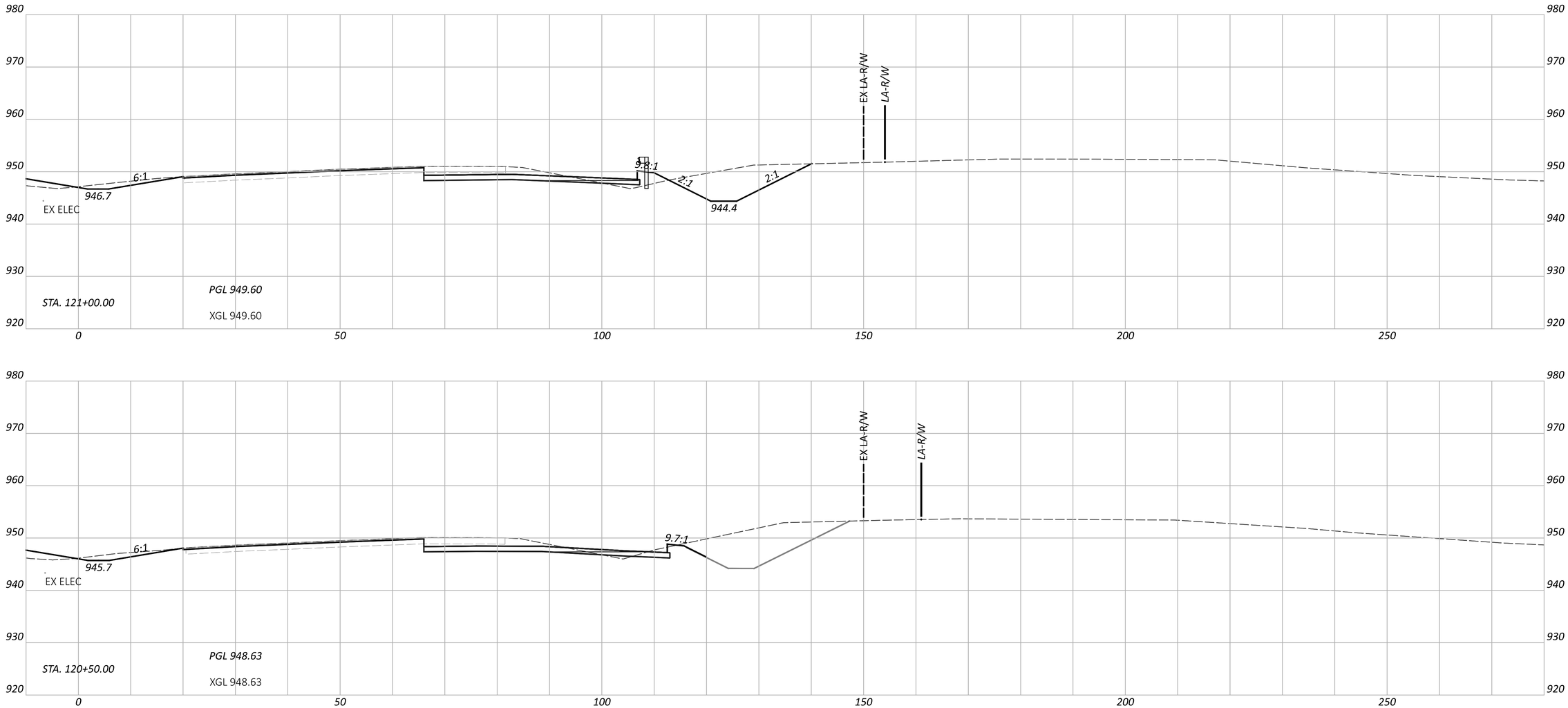
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0630
TOTAL	P.1556



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CROSS SECTIONS - IR 70 EB
STA. 120+50.00 TO STA. 121+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0631 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 121+50.00 TO STA. 122+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0632
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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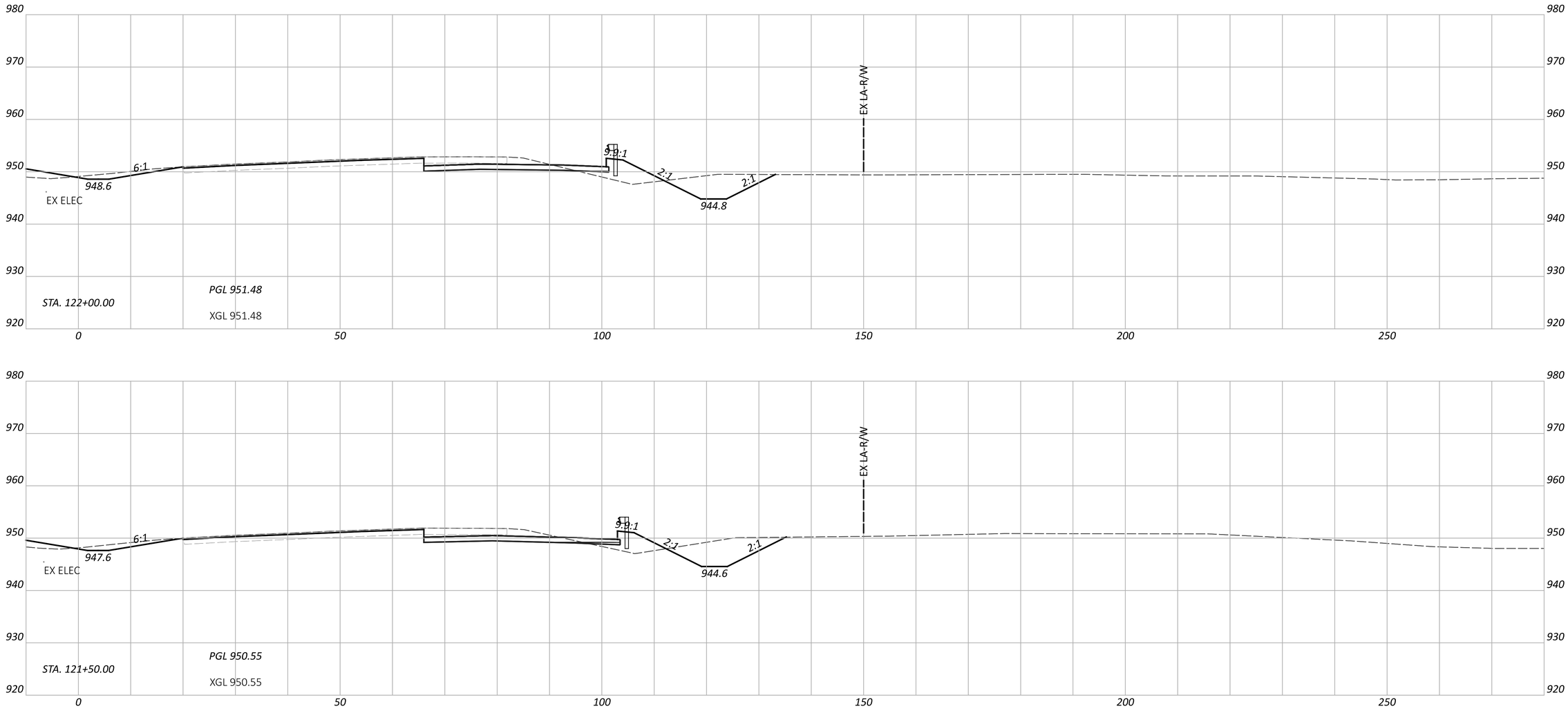

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 121+50.00 TO STA. 122+00.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0633 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 122+50.00 TO STA. 123+00.00

FAI/LIC-IR 70-0.00/0.00

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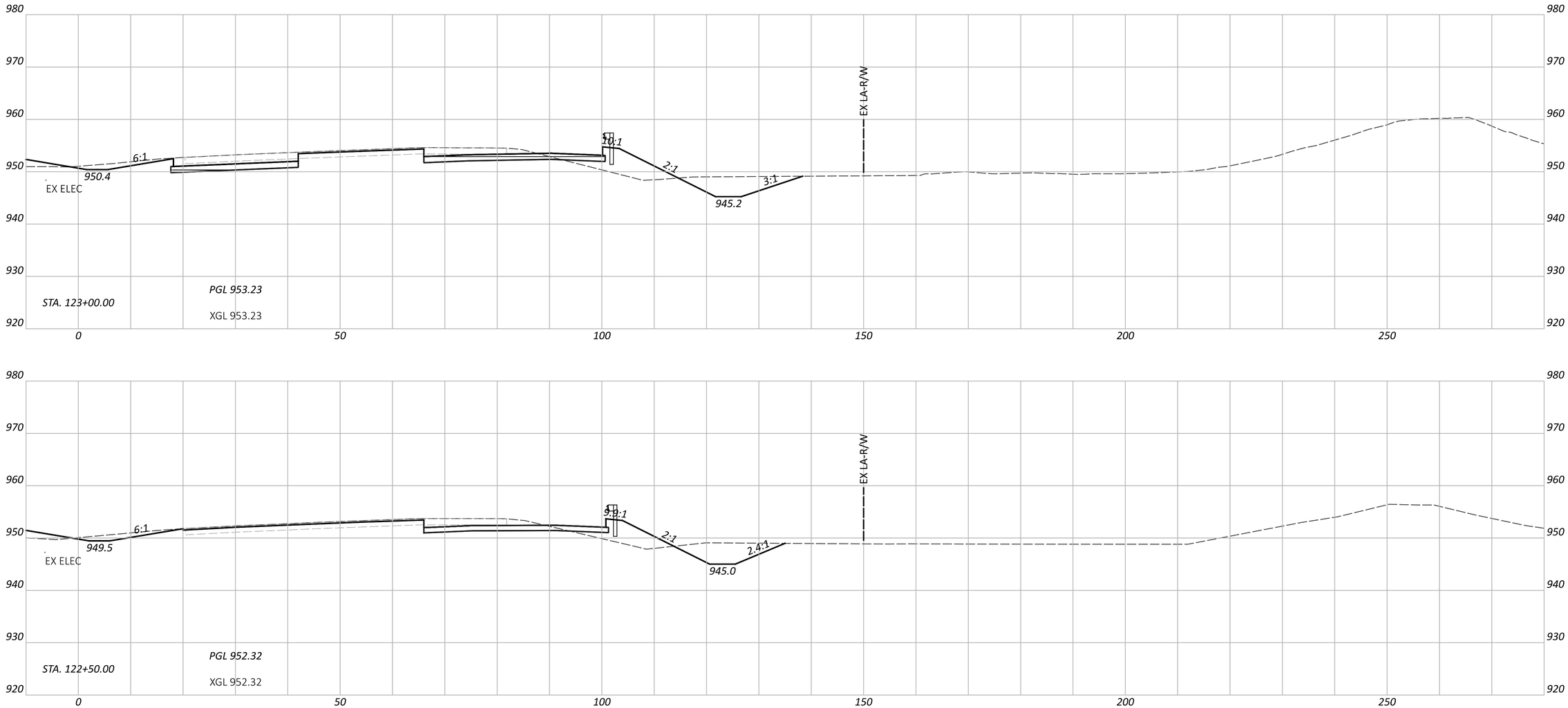
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0634
TOTAL	P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 122+50.00 TO STA. 123+00.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0635 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 123+50.00 TO STA. 124+00.00

FAI/LIC-IR 70-0.00/0.00

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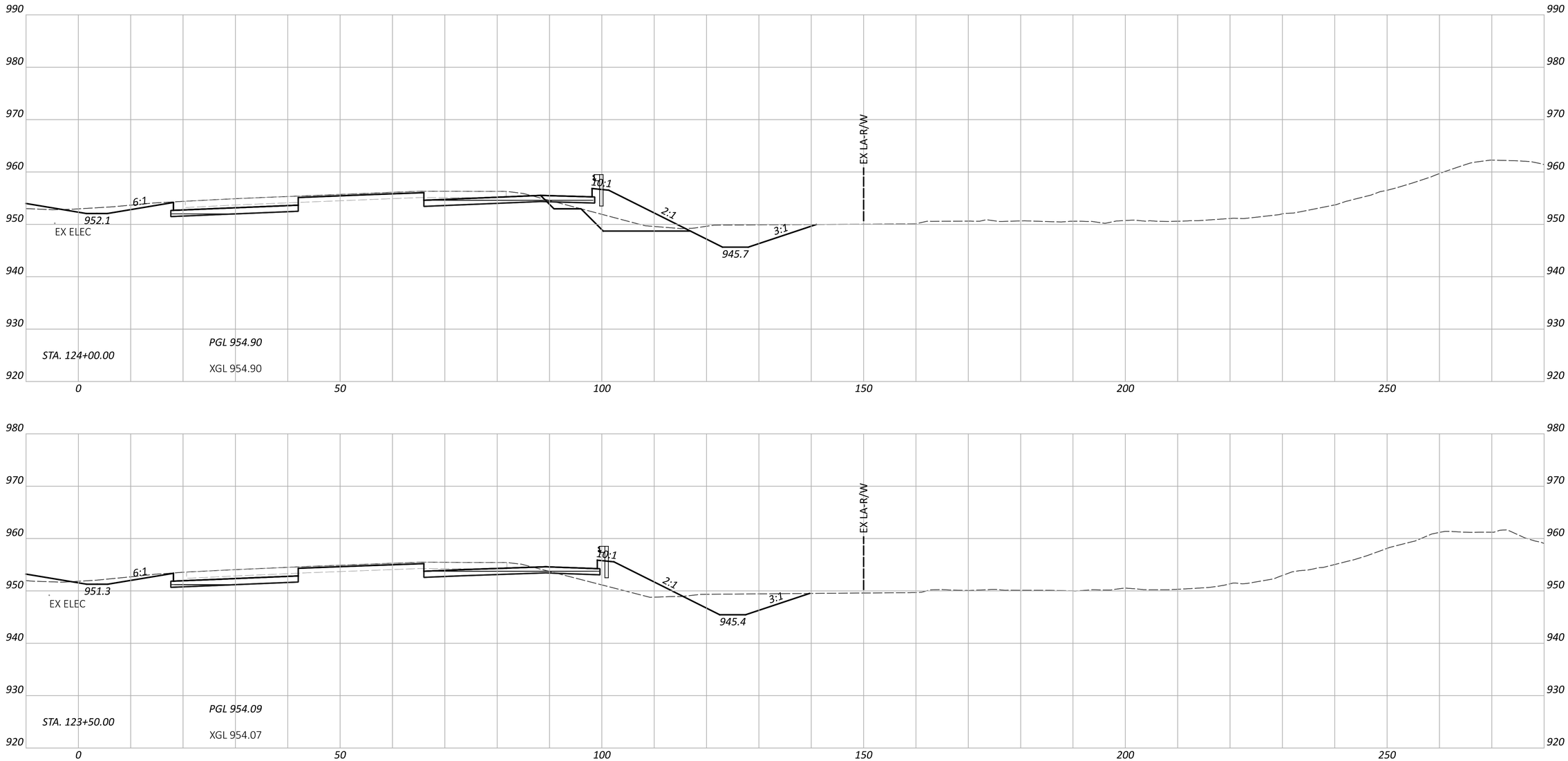
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0636 | TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 123+50.00 TO STA. 124+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0637 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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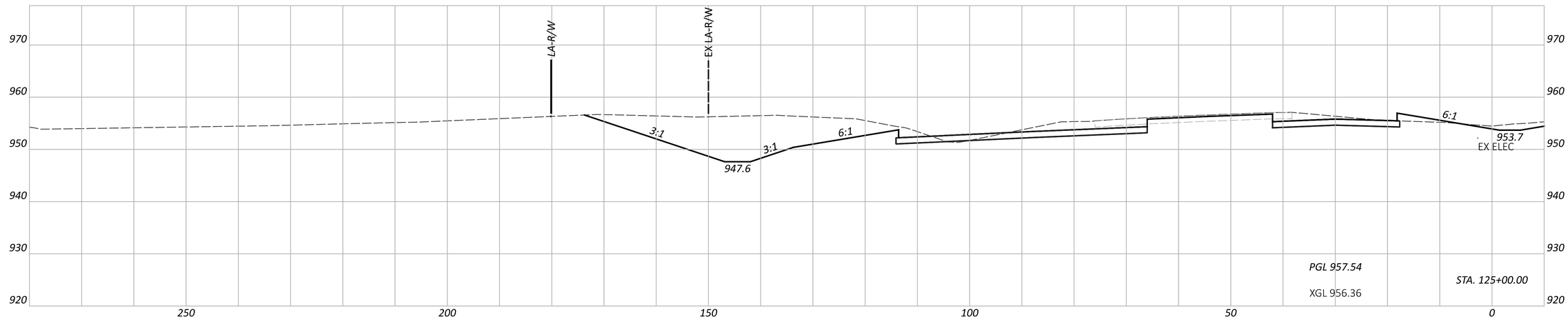

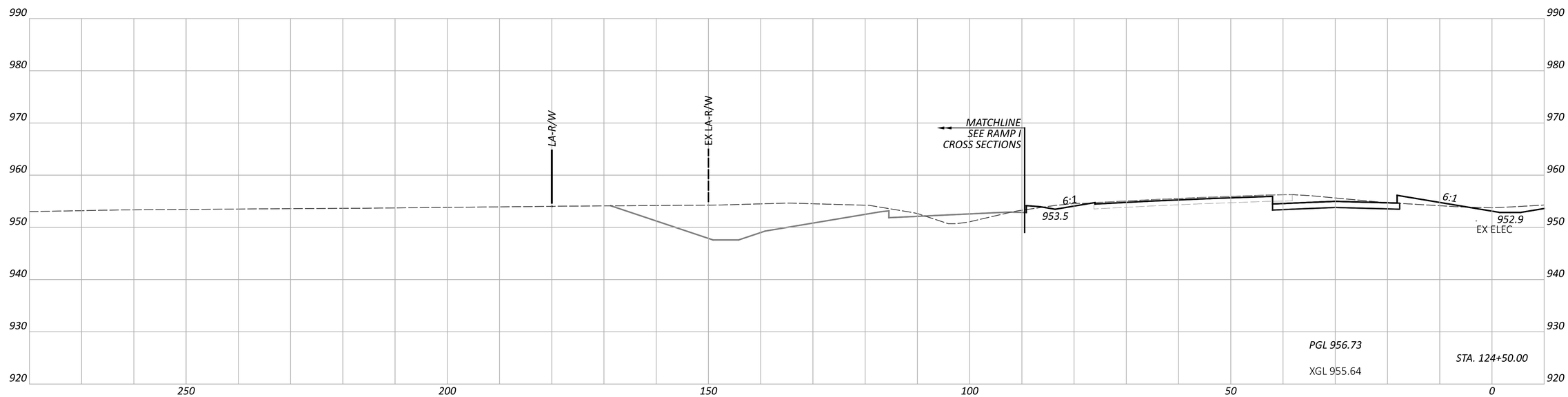

CROSS SECTIONS - IR 70 WB
STA. 124+50.00 TO STA. 125+00.00

FAI/LIC-IR 70-0.00/0.00

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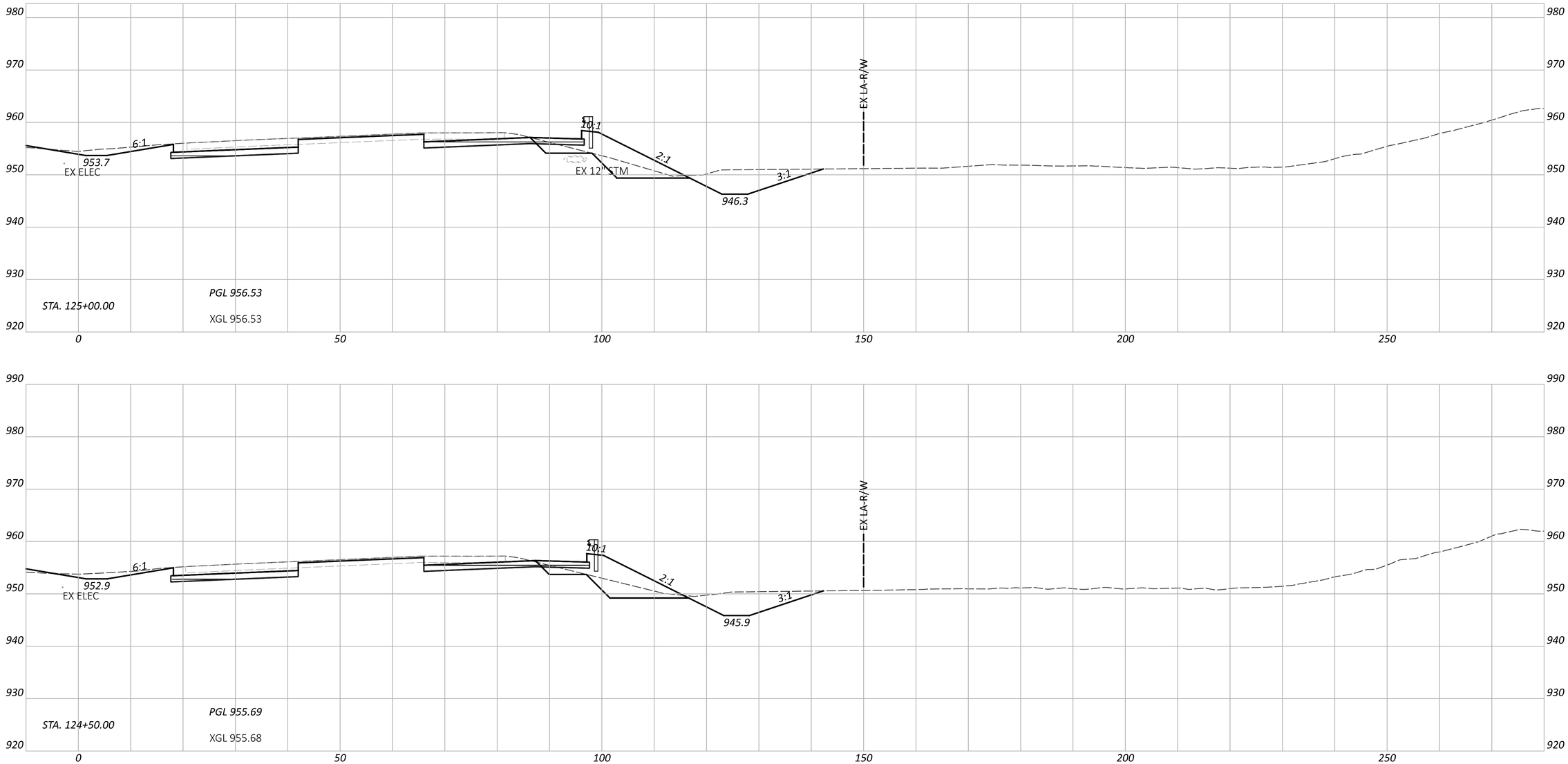
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0638 TOTAL P.1556



CROSS SECTIONS - IR 70 EB
STA. 124+50.00 TO STA. 125+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0639 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 125+50.00 TO STA. 126+00.00

FAI/LIC-IR 70-0.00/0.00

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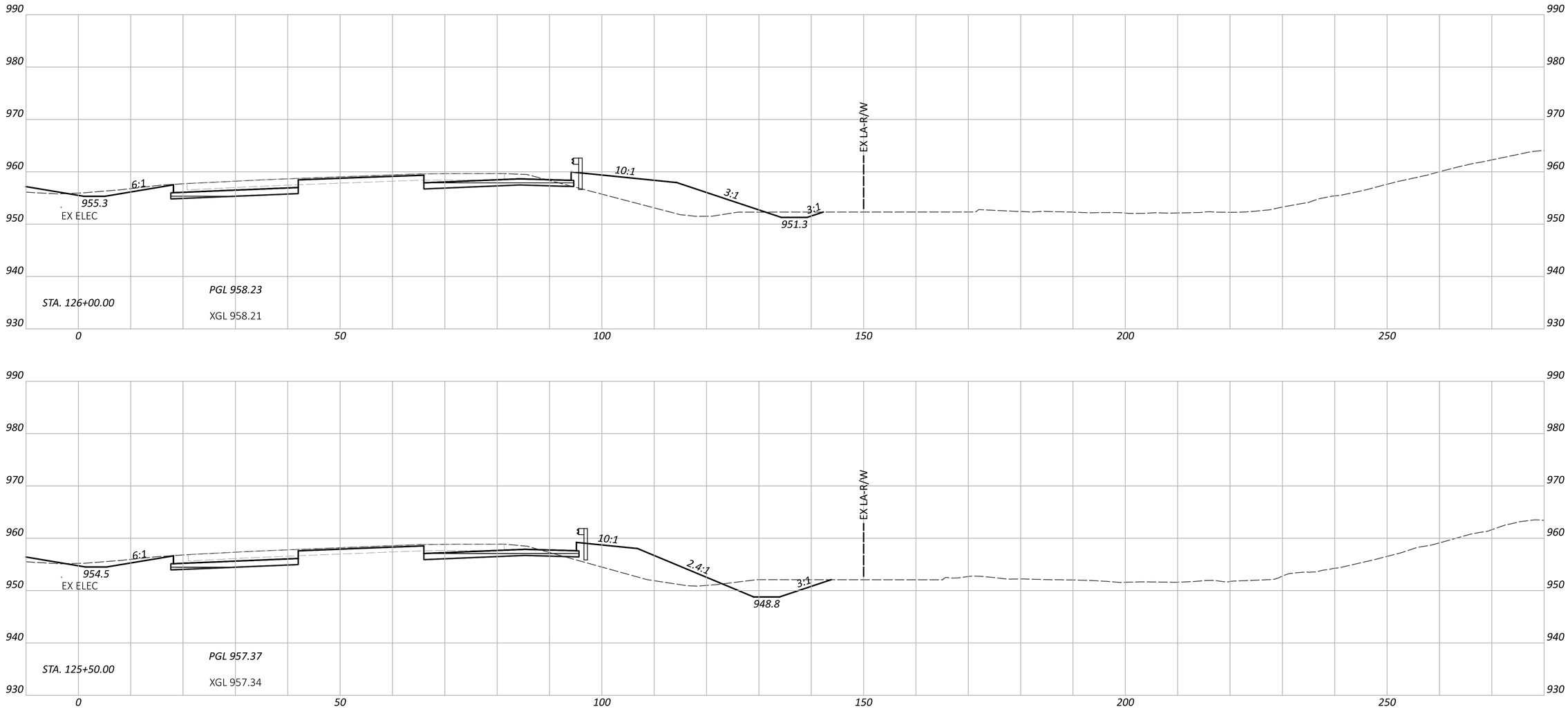
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0640
TOTAL	P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 125+50.00 TO STA. 126+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0641 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 126+50.00 TO STA. 127+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070_WB - A 126+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:53:11 AM USER: brieder
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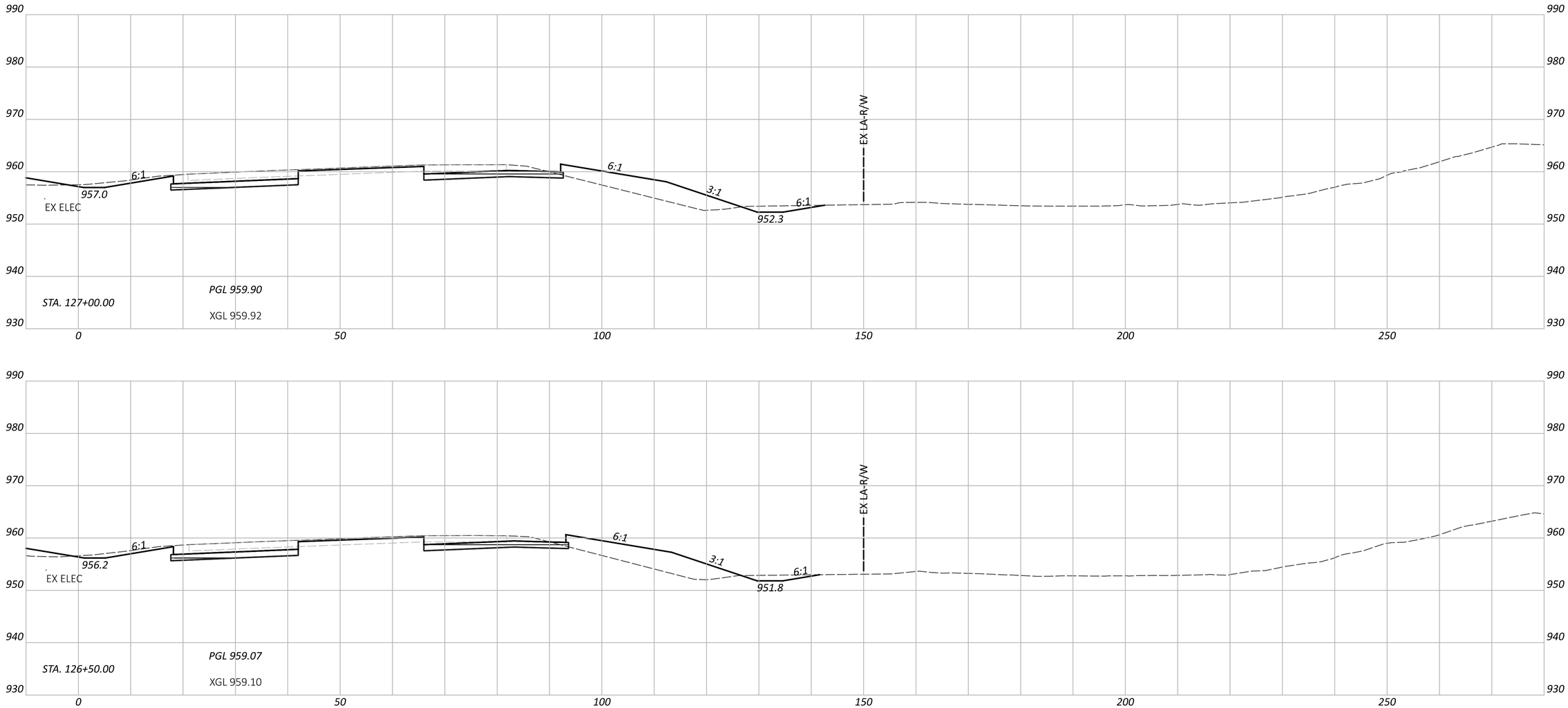
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	
BER	
REVIEWER	
KAM	04/25/25
PROJECT ID	
96808	
SHEET	TOTAL
P.0642	P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 EB
STA. 126+50.00 TO STA. 127+00.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0643 TOTAL P.1556

CROSS SECTIONS - IR 70 WB
STA. 127+50.00 TO STA. 128+00.00

FAI/LIC-IR 70-0.00/0.00

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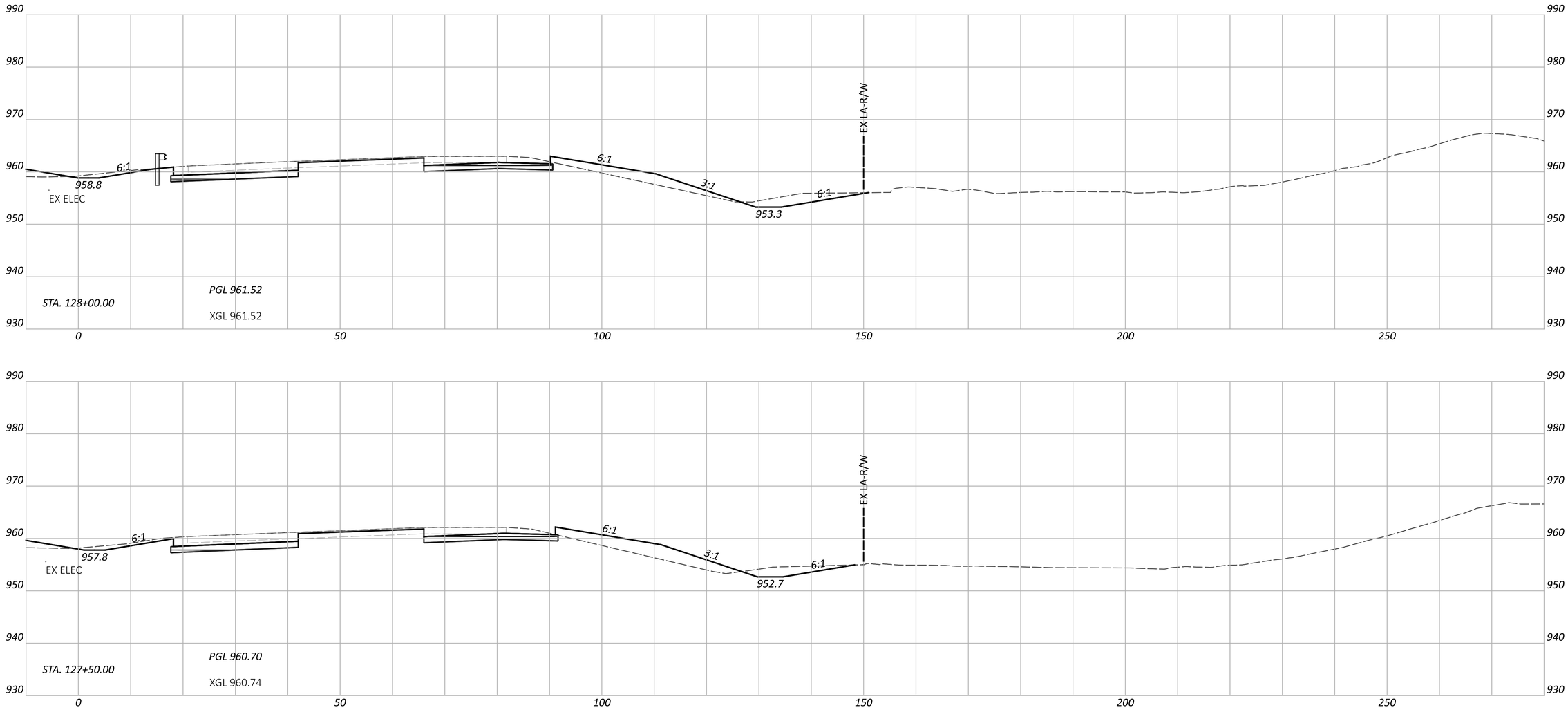
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0644
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 127+50.00 TO STA. 128+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0645 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70 WB
STA. 128+50.00 TO STA. 129+00.00

FAI/LIC-IR 70-0.00/0.00

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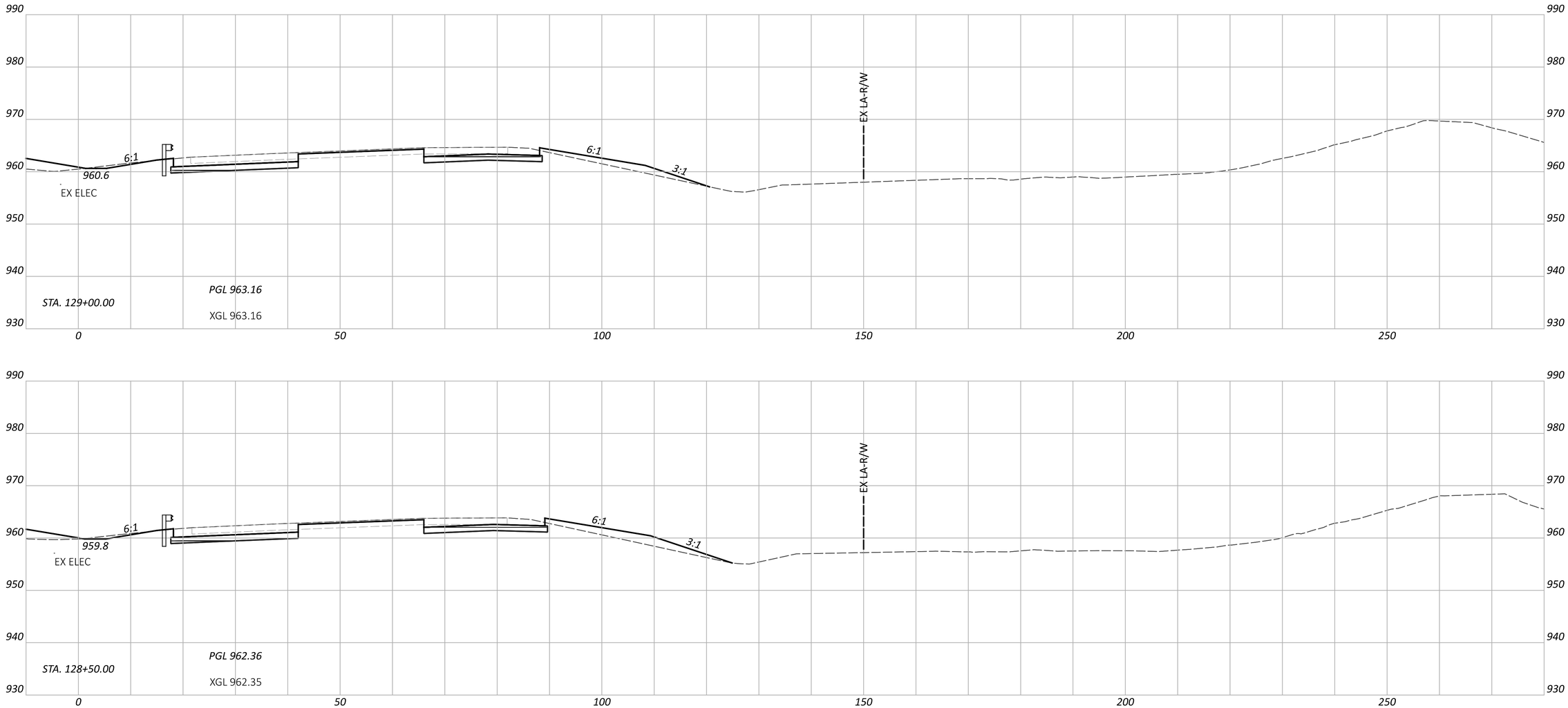
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0646
TOTAL	P.1556



CROSS SECTIONS - IR 70 EB
STA. 128+50.00 TO STA. 129+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0647 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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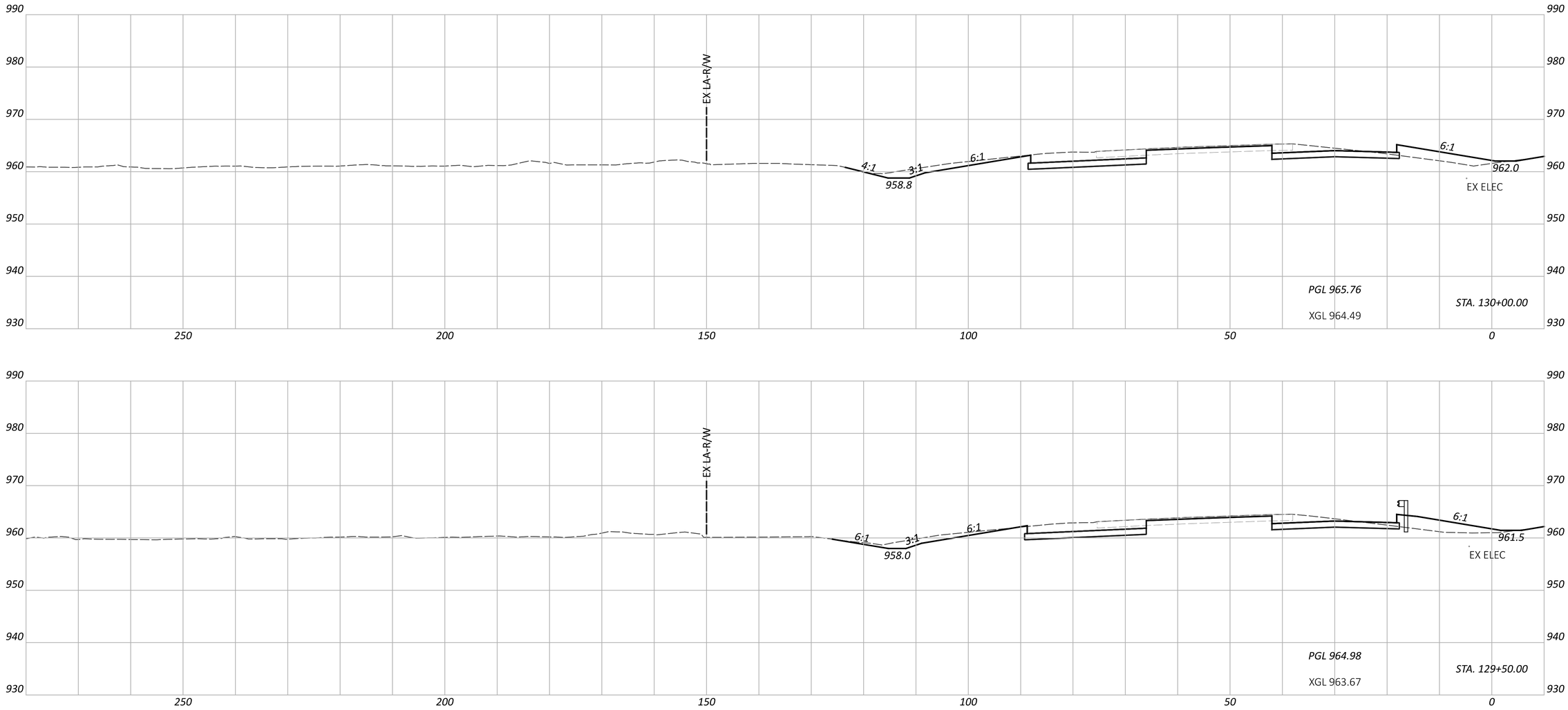

FAI/LIC-IR 70-0.00/0.00

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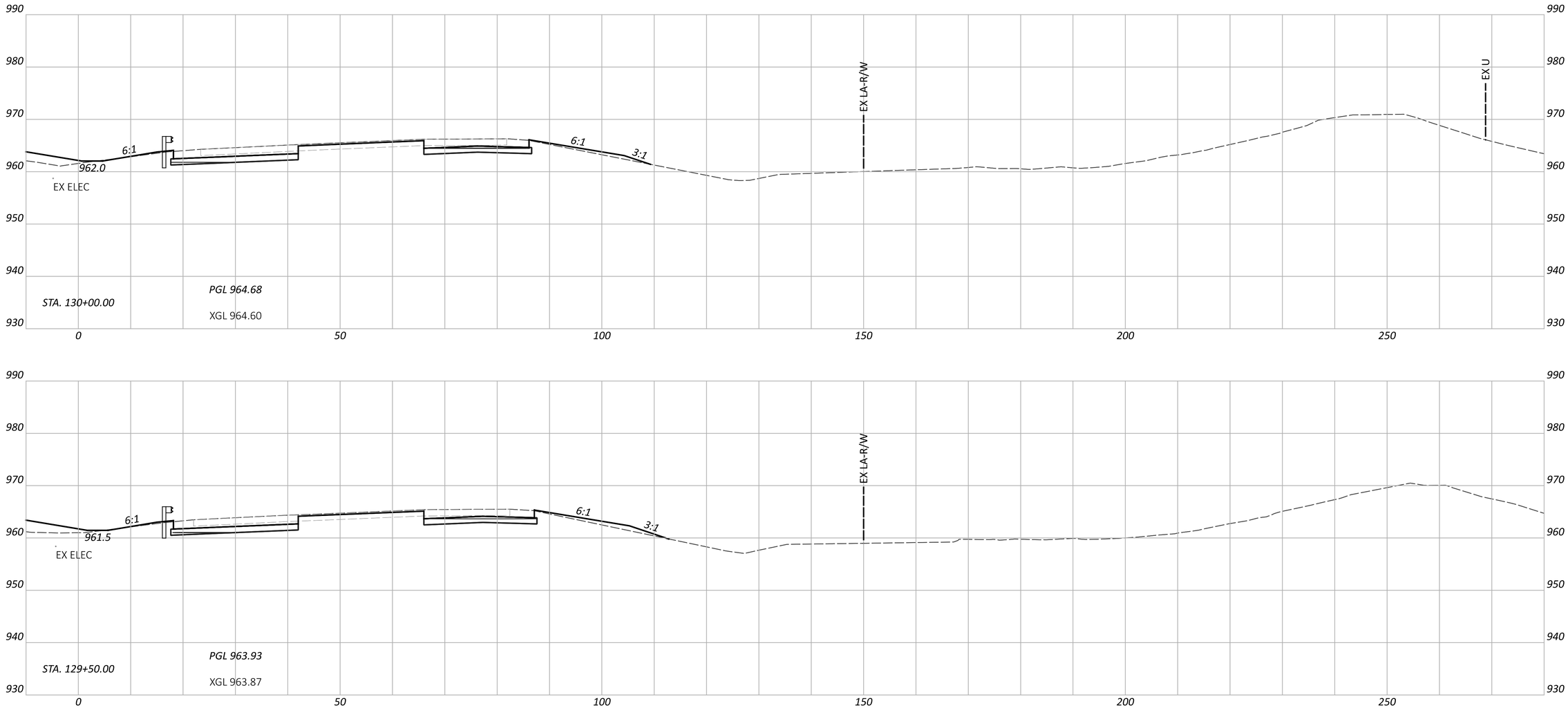
CROSS SECTIONS - IR 70 WB
STA. 129+50.00 TO STA. 130+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0648
TOTAL	P.1556



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FAI/LIC-IR 70-0.00/0.00

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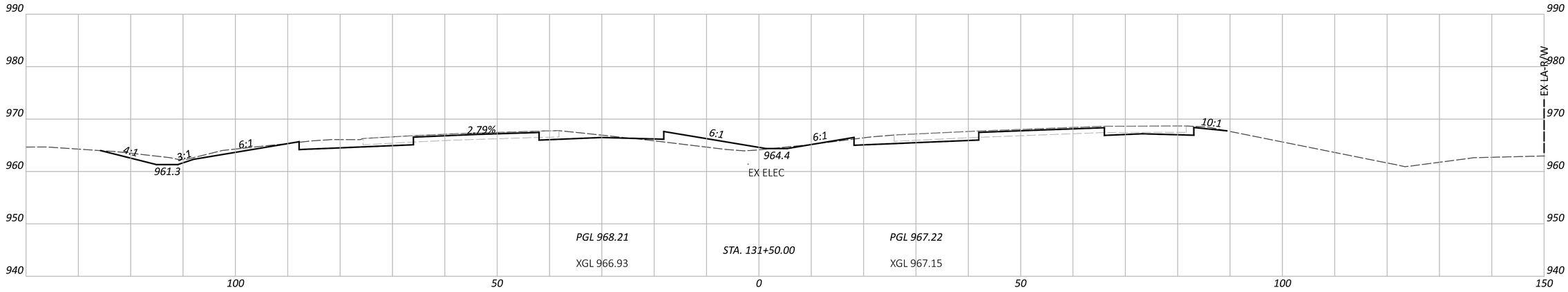
DESIGN AGENCY
STRUCTUREPOINT INC.

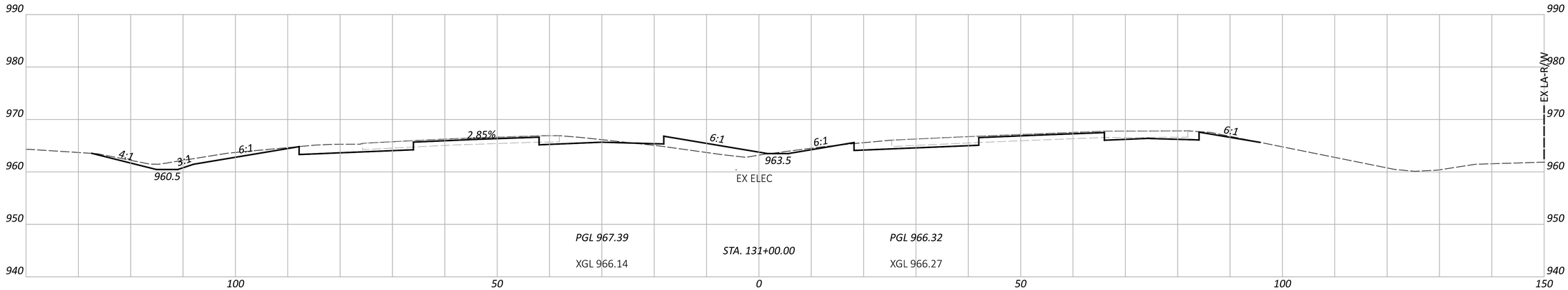
DESIGNER
BER

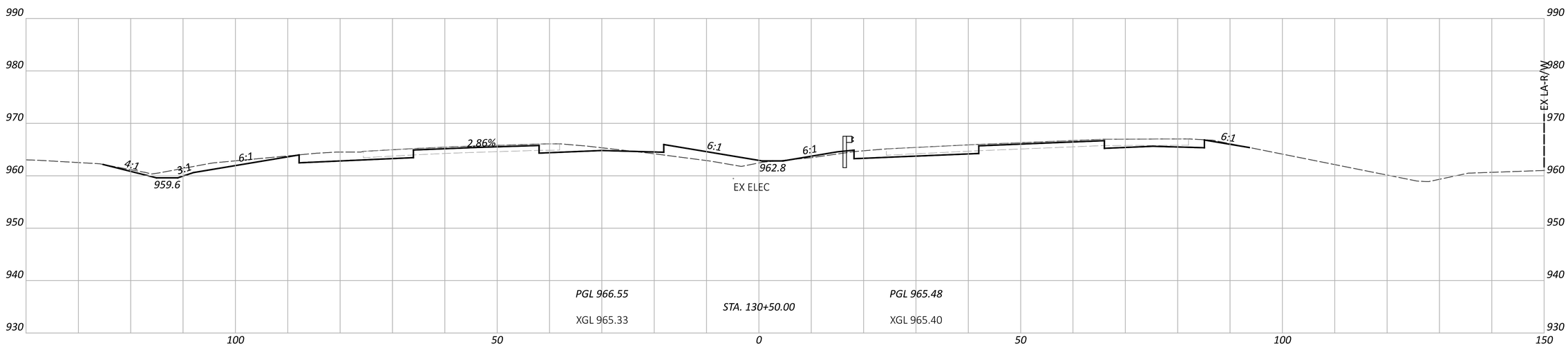
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0649 TOTAL P.1556







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CROSS SECTIONS - IR 70
STA. 130+50.00 TO STA. 131+50.00

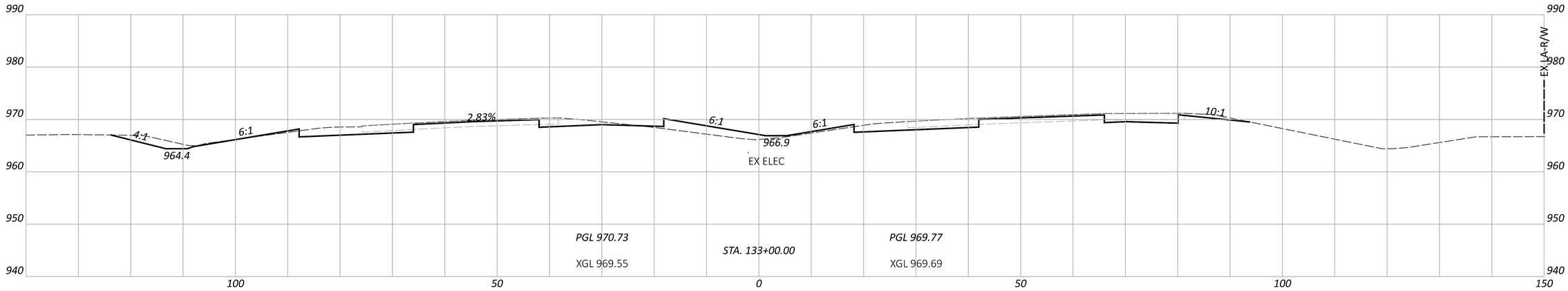
DESIGN AGENCY
STRUCTUREPOINT LLC

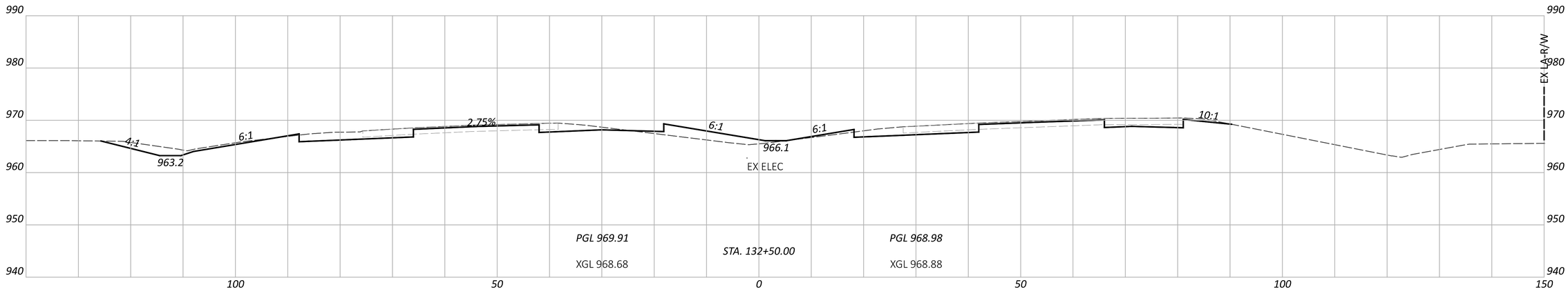
DESIGNER
BER

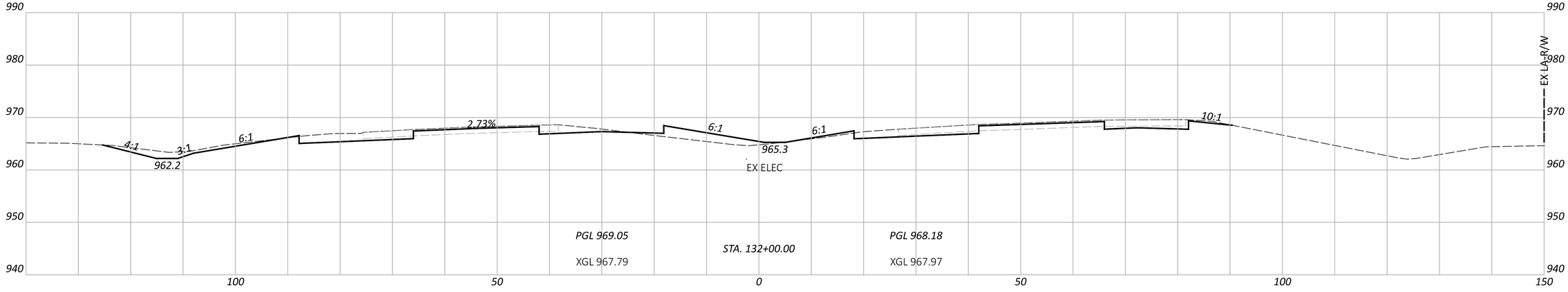
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0650 | TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70
STA. 132+00.00 TO STA. 133+00.00

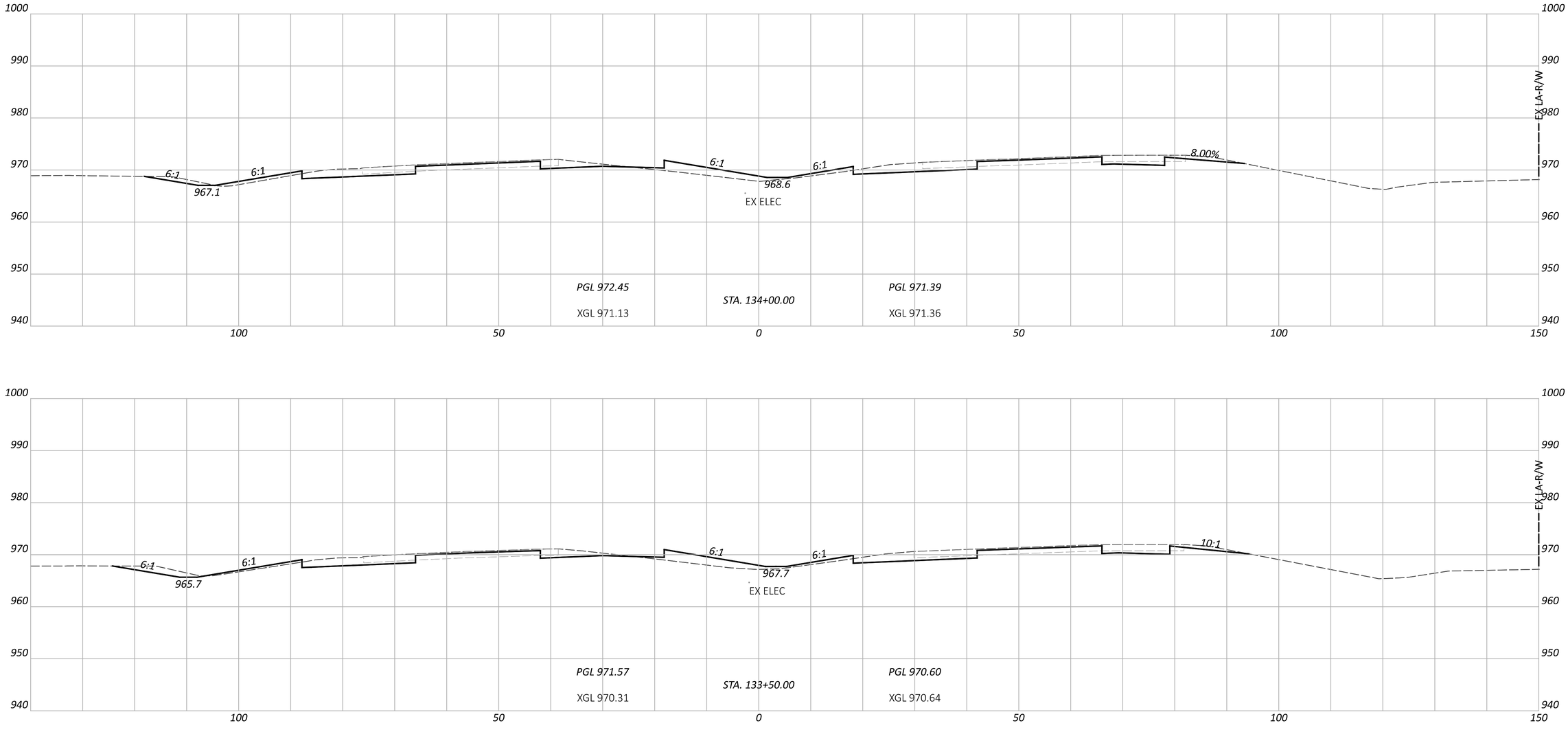
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0651 TOTAL P.1556



CROSS SECTIONS - IR 70
STA. 133+50.00 TO STA. 134+00.00

FAI/LIC-IR 70-0.00/0.00

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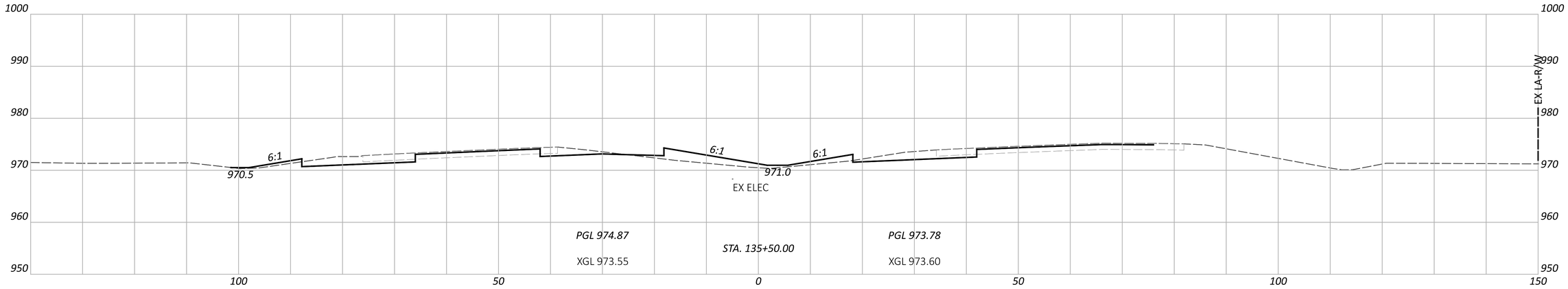
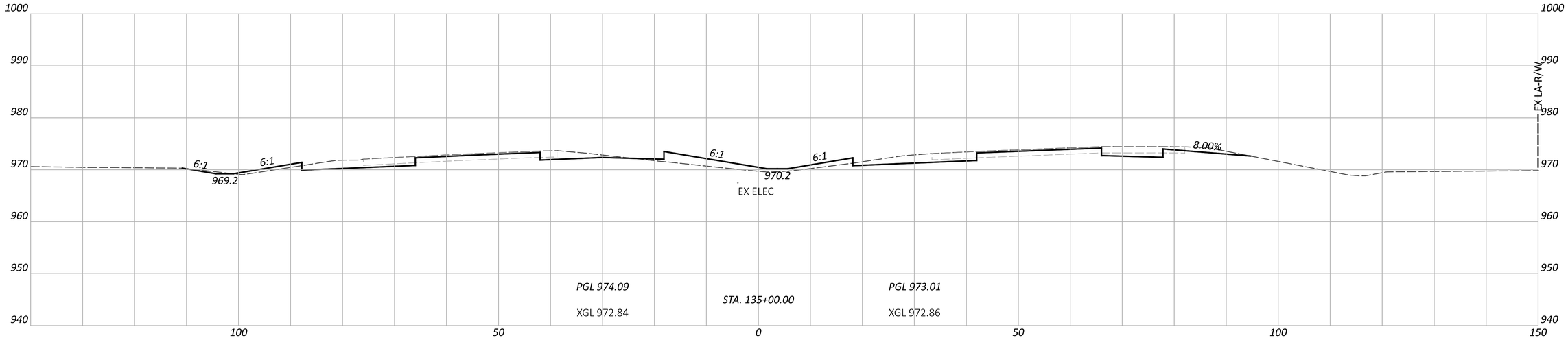
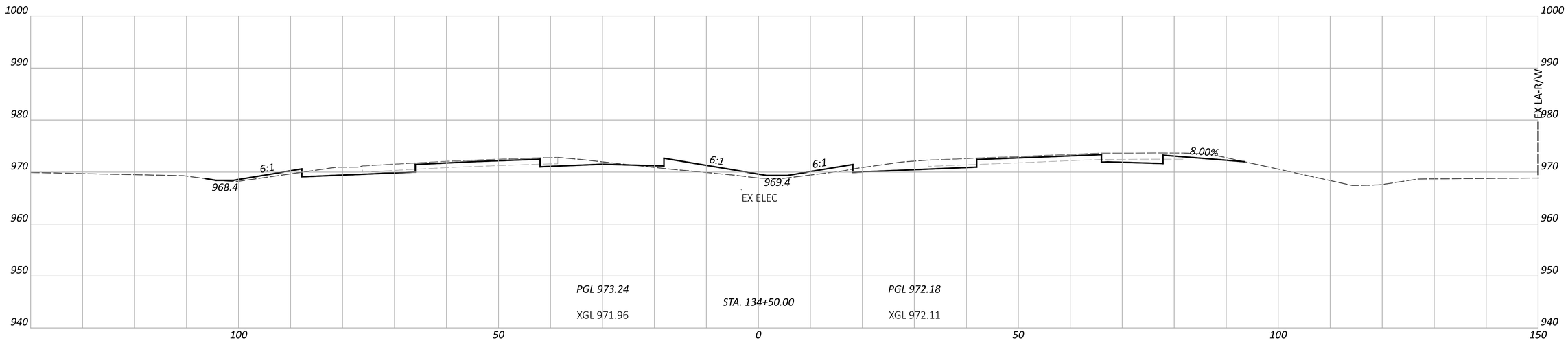
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0652
TOTAL	P.1556







CROSS SECTIONS - IR 70
STA. 134+50.00 TO STA. 135+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0653
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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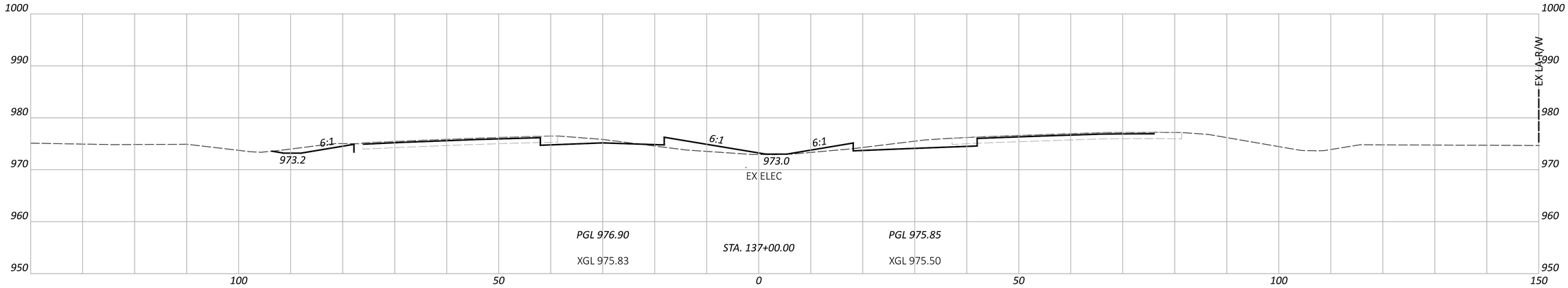

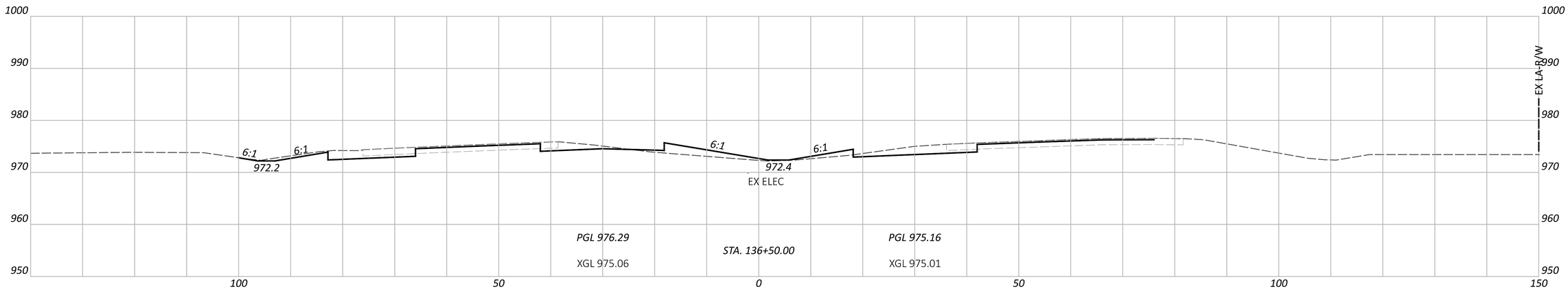

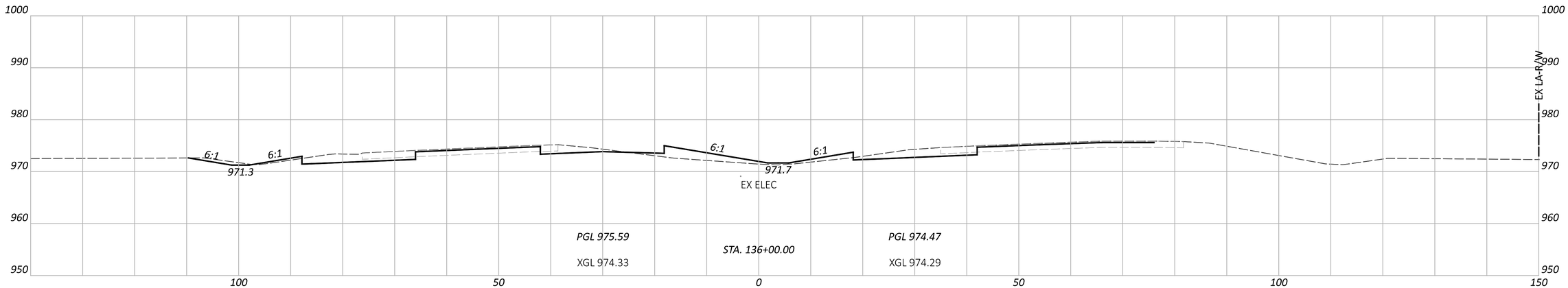

CROSS SECTIONS - IR 70
STA. 136+00.00 TO STA. 137+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0654 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 136+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:54:42 AM USER: brieder
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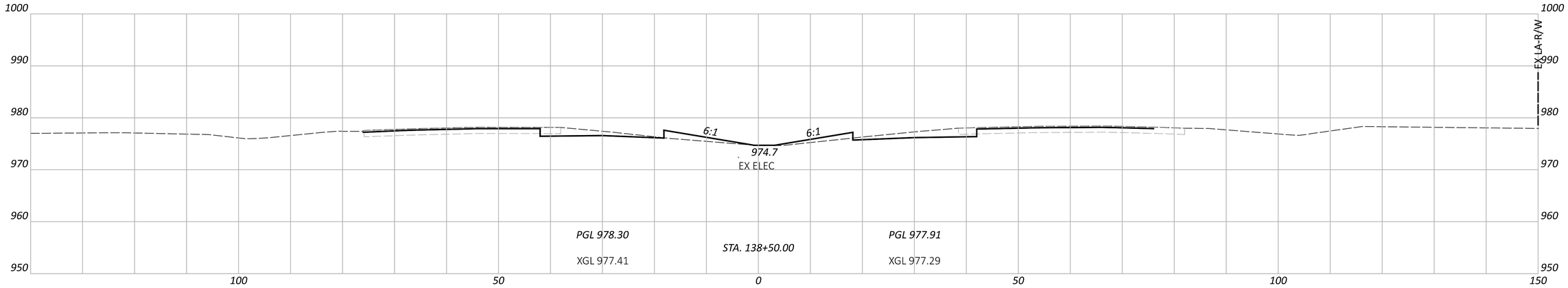

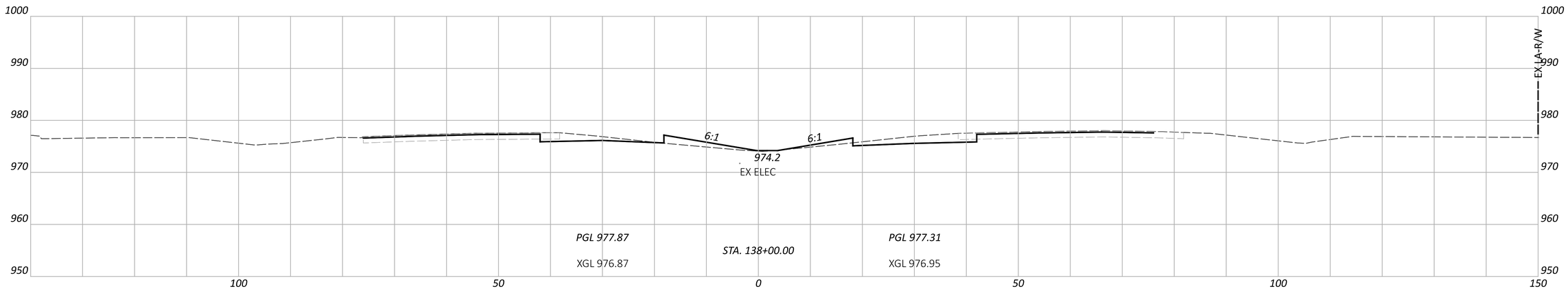

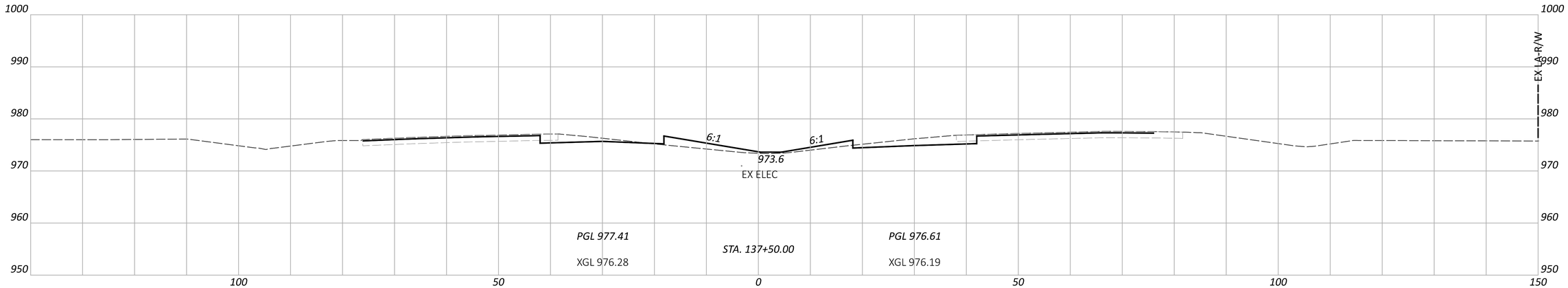

CROSS SECTIONS - IR 70
STA. 137+50.00 TO STA. 138+50.00

FAI/LIC-IR 70-0.00/0.00

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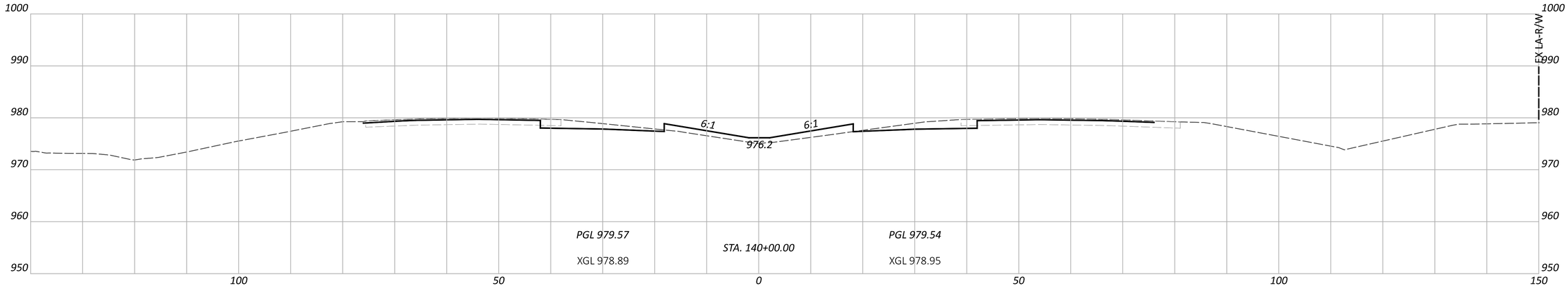
DESIGN AGENCY
STRUCTUREPOINT LLC

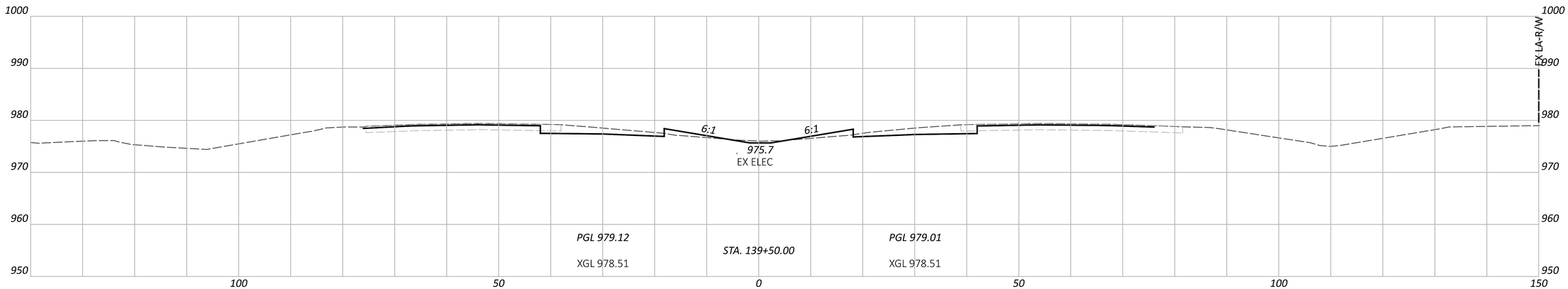
DESIGNER
BER

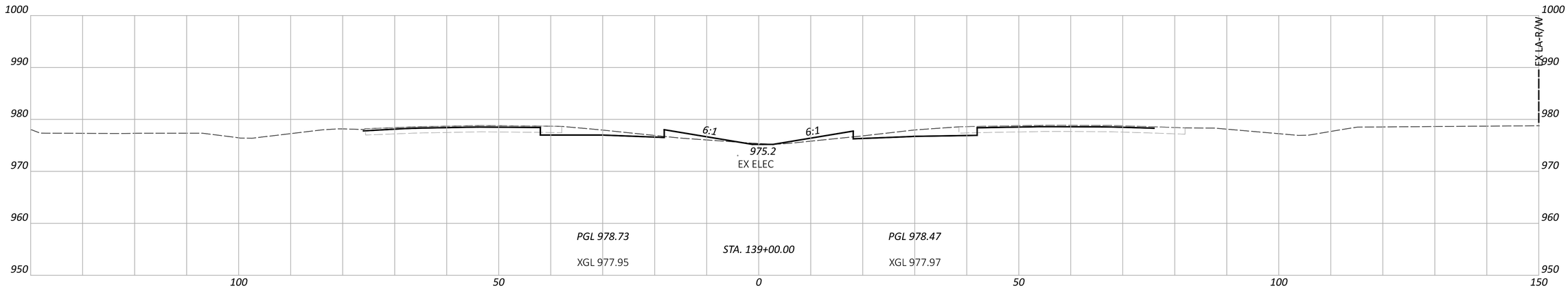
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0655 TOTAL P.1556







CROSS SECTIONS - IR 70
STA. 139+00.00 TO STA. 140+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 139+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:55:03 AM USER: brieder
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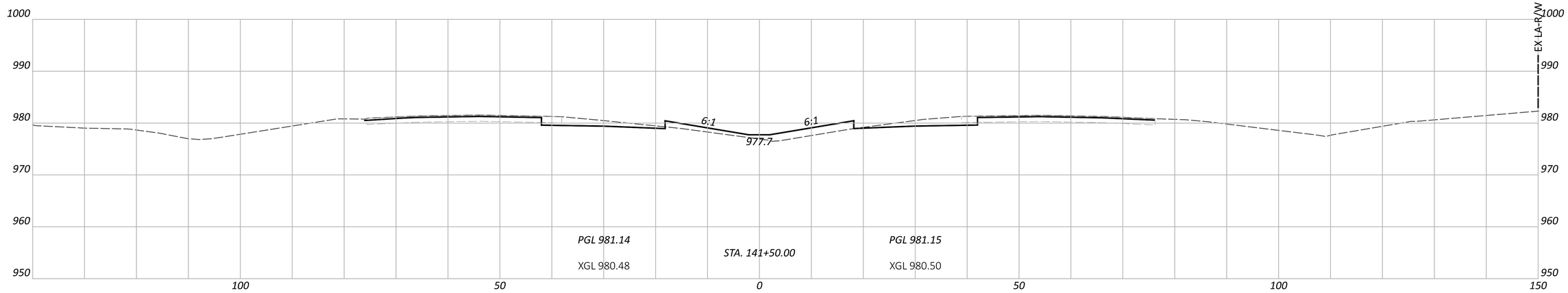
DESIGN AGENCY
STRUCTUREPOINT LLC

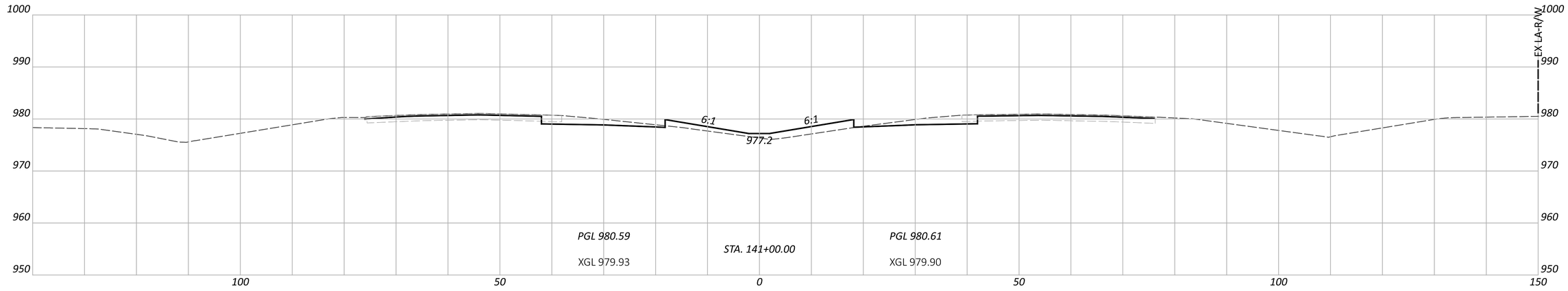
DESIGNER
BER

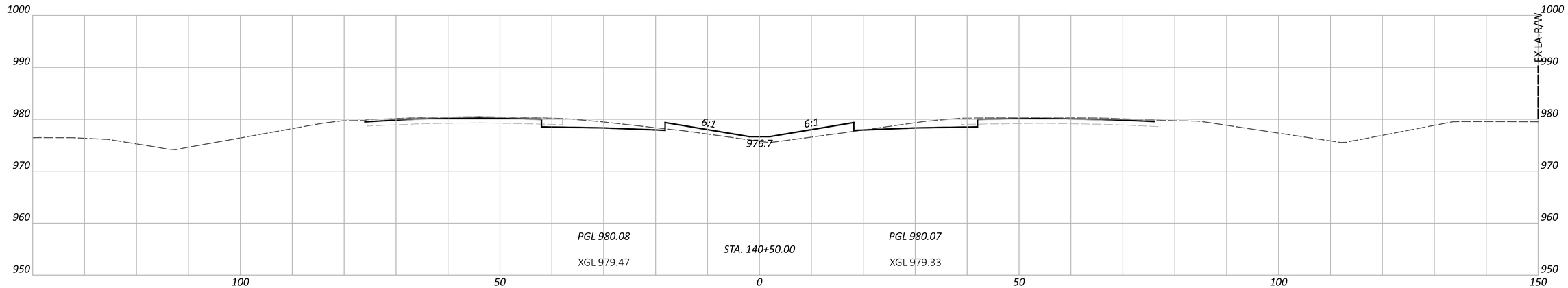
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0656 TOTAL P.1556







CROSS SECTIONS - IR 70
STA. 140+50.00 TO STA. 141+50.00

FAI/LIC-IR 70-0.00/0.00

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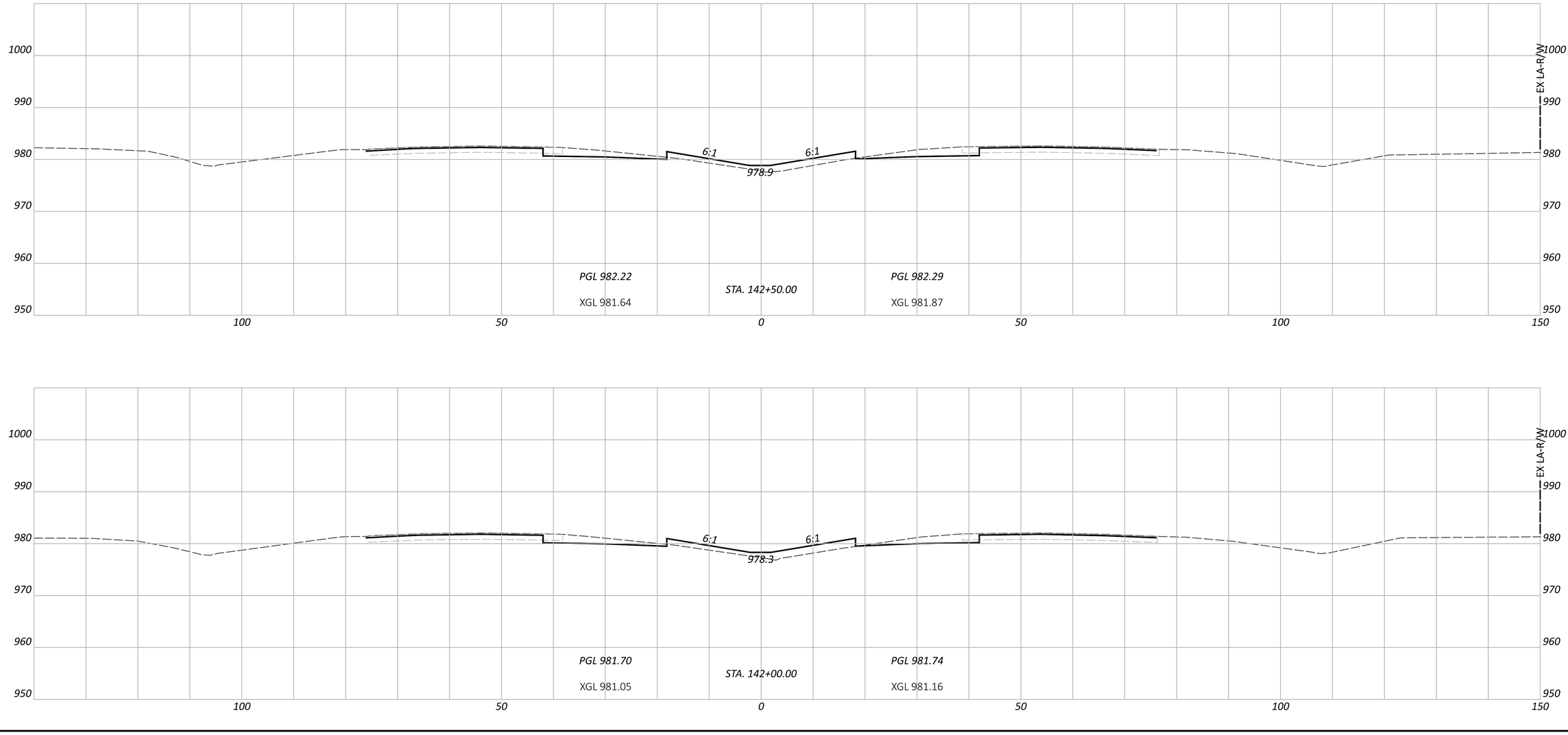
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0657 TOTAL P.1556



CROSS SECTIONS - IR 70
STA. 142+00.00 TO STA. 142+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 142+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:55:22 AM USER: brieder
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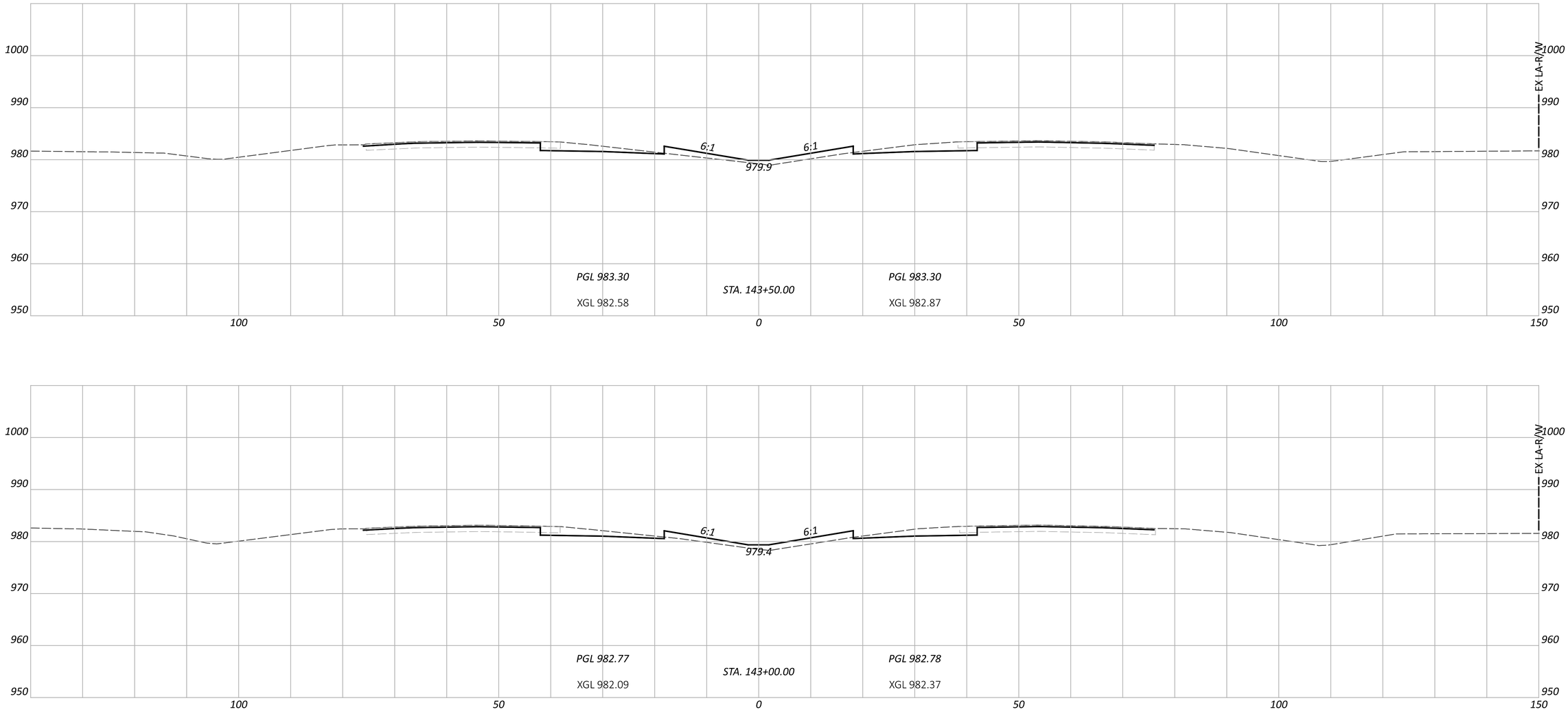
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0658 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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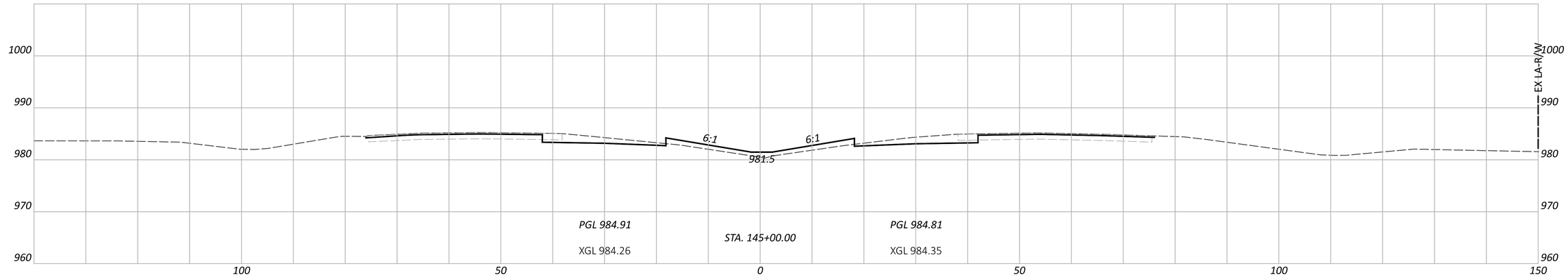
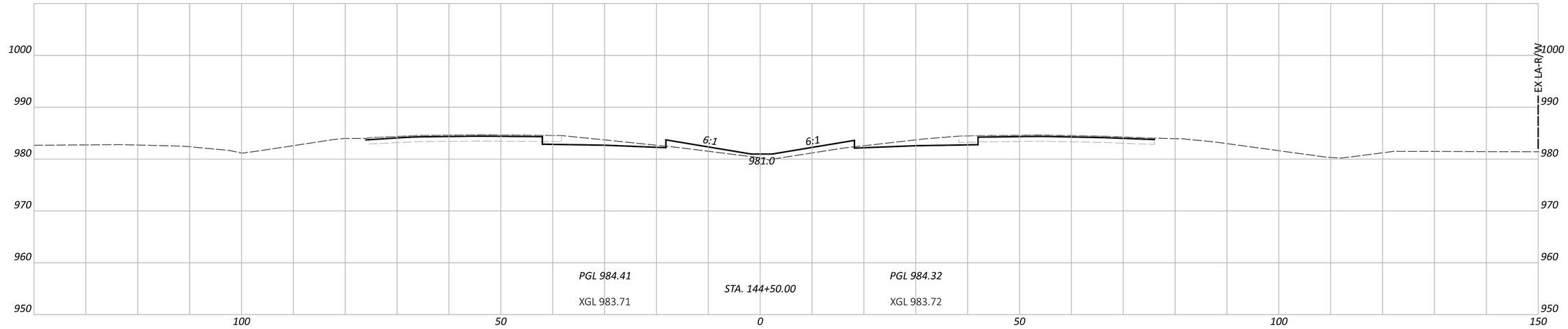
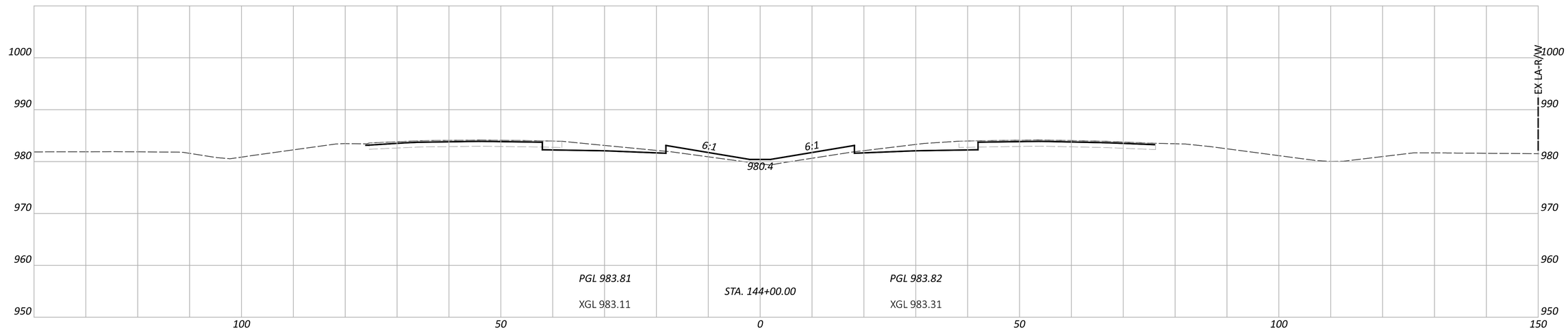
CROSS SECTIONS - IR 70
STA. 143+00.00 TO STA. 143+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0659
TOTAL	P.1556







CROSS SECTIONS - IR 70
STA. 144+00.00 TO STA. 144+50.00

FAI/LIC-IR 70-0.00/0.00

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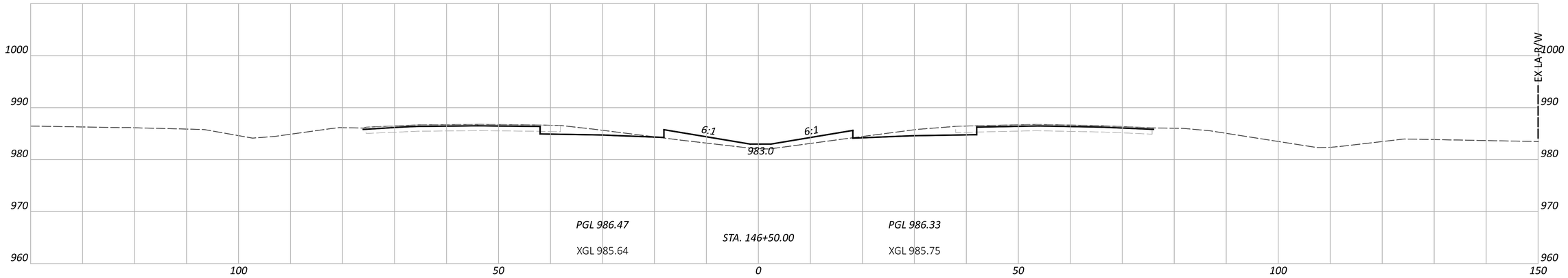
DESIGN AGENCY
STRUCTUREPOINT LLC

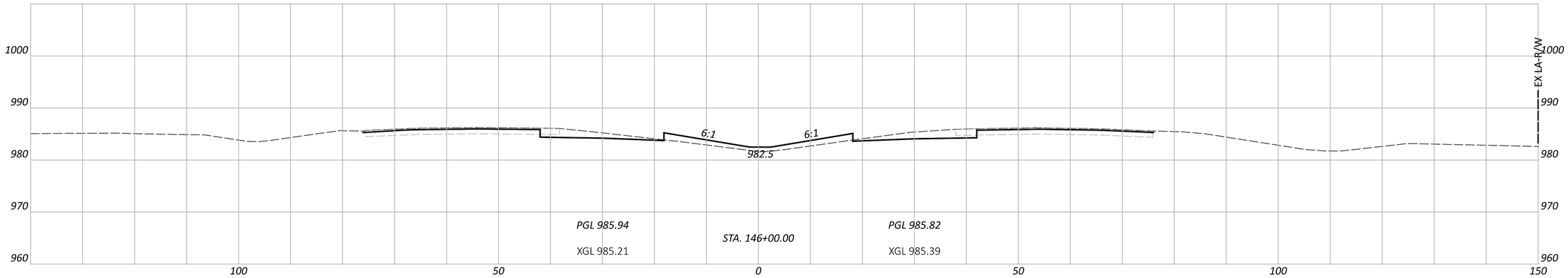
DESIGNER
BER

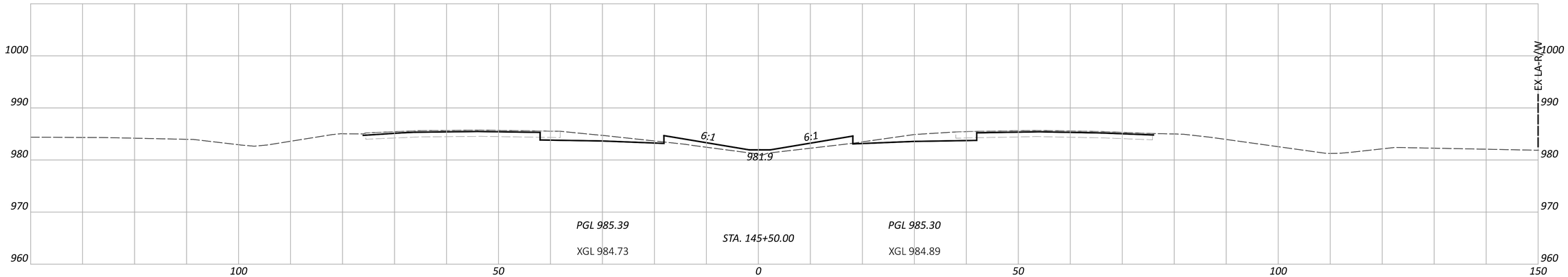
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0660 TOTAL P.1556







CROSS SECTIONS - IR 70
STA. 145+00.00 TO STA. 146+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 145+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:55:45 AM USER: brieder
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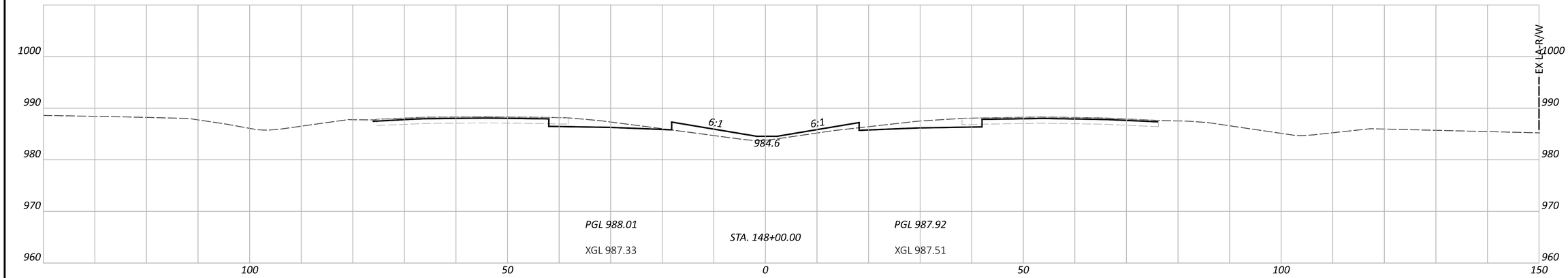
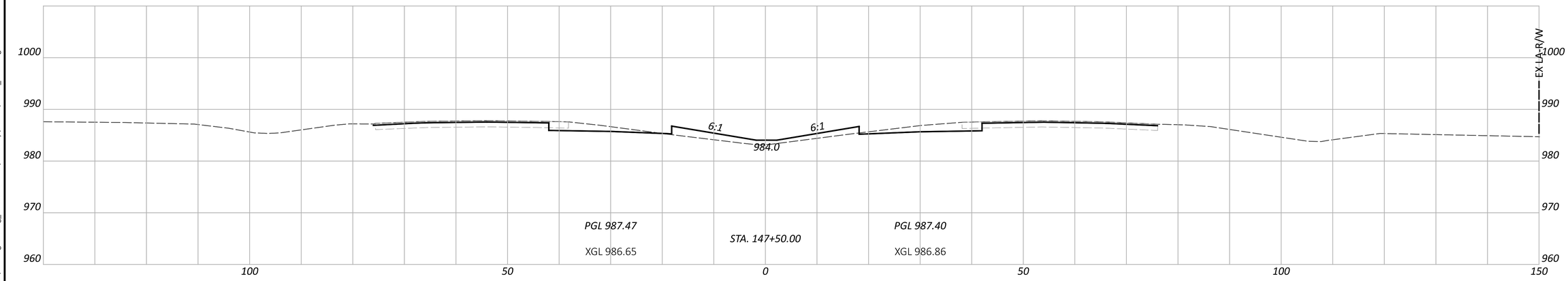
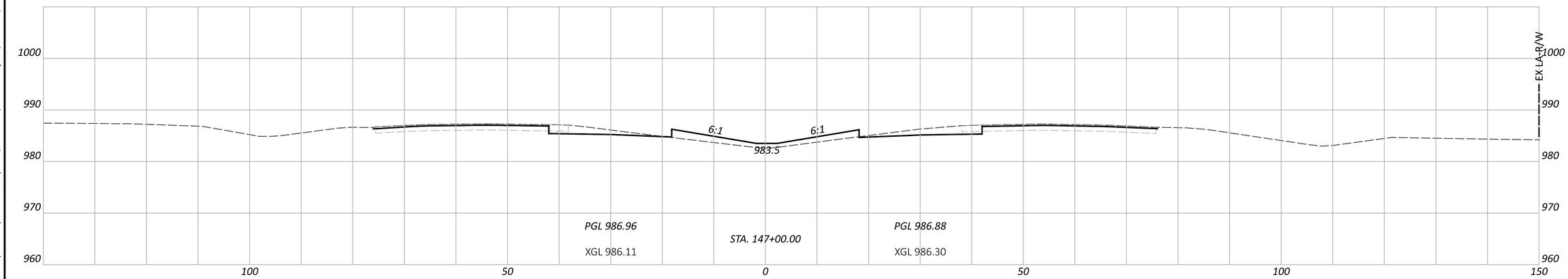
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0661
TOTAL	P.1556







CROSS SECTIONS - IR 70
STA. 147+00.00 TO STA. 148+00.00

FAI/LIC-IR 70-0.00/0.00

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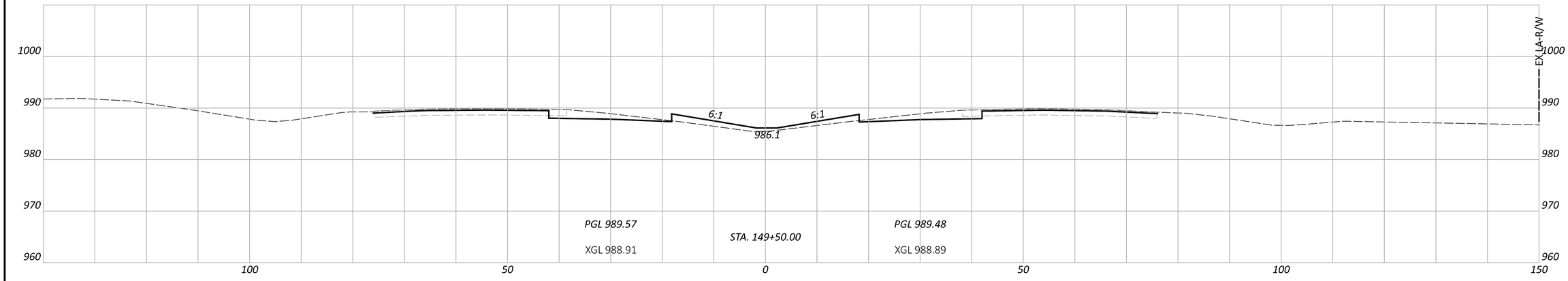
DESIGN AGENCY
STRUCTUREPOINT INC.

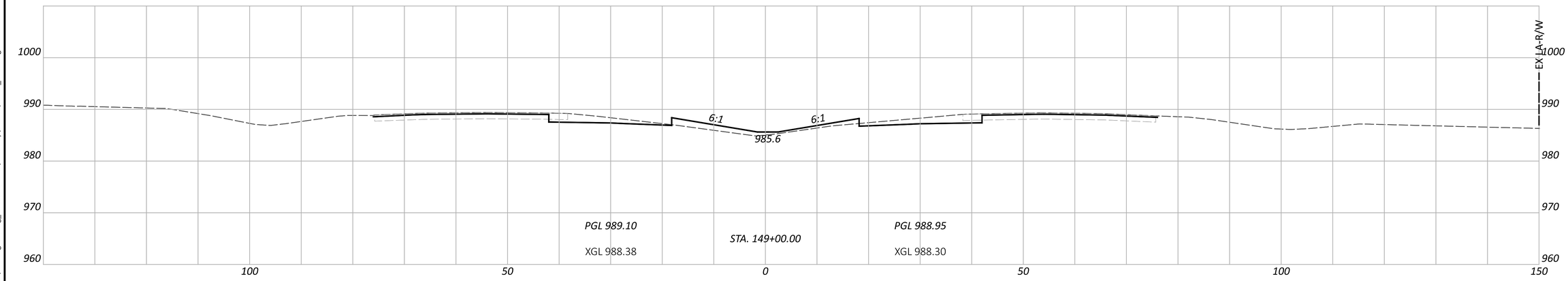
DESIGNER
BER

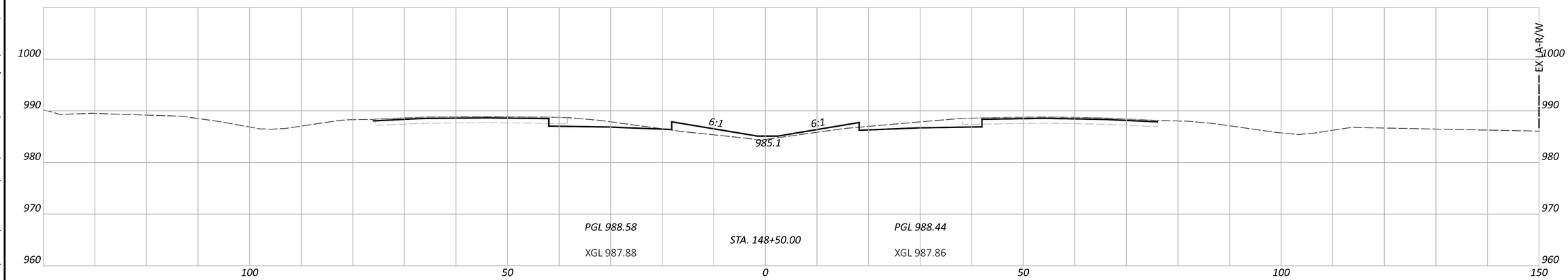
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0662 TOTAL P.1556







CROSS SECTIONS - IR 70
STA. 148+50.00 TO STA. 149+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 148+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:04 AM USER: brieder
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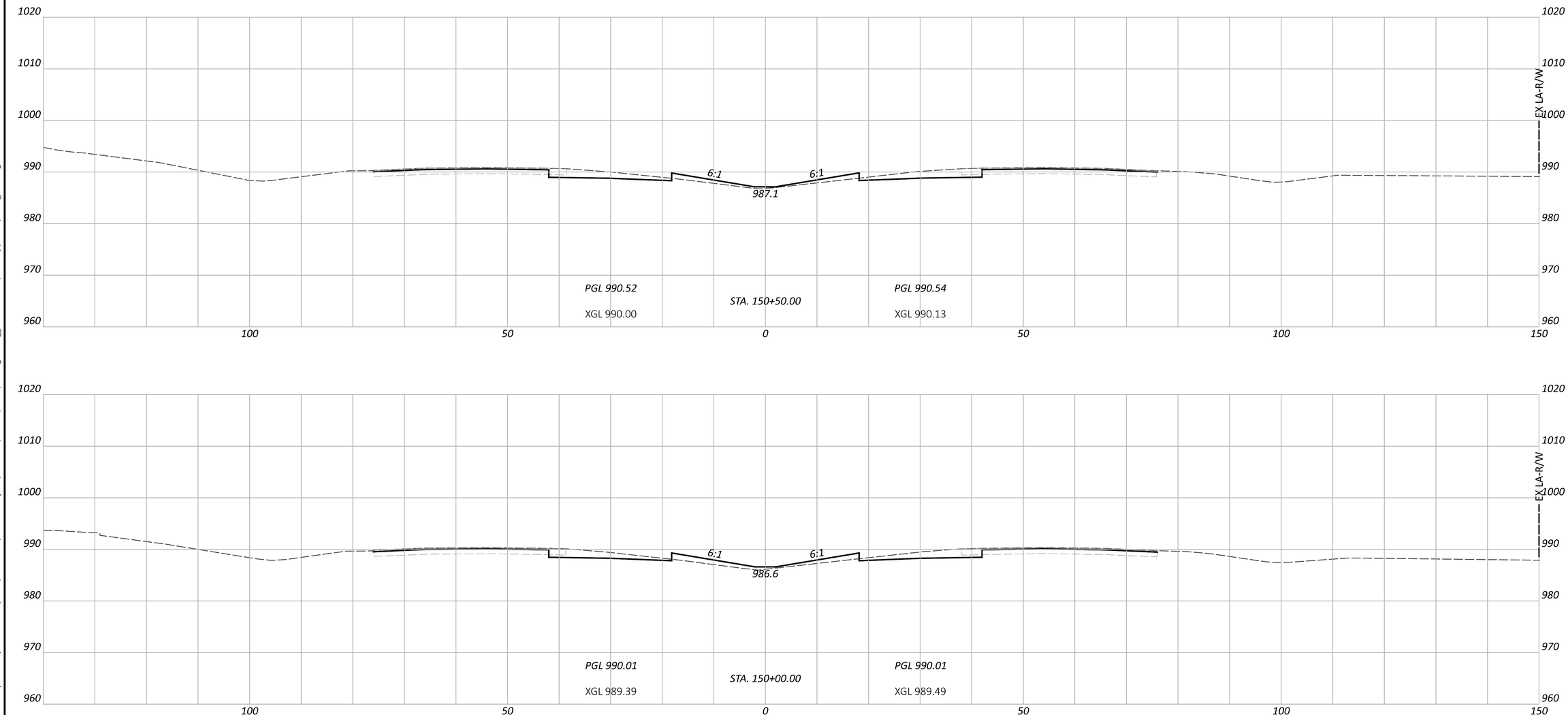
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0663 | TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - IR 70
STA. 150+00.00 TO STA. 150+50.00

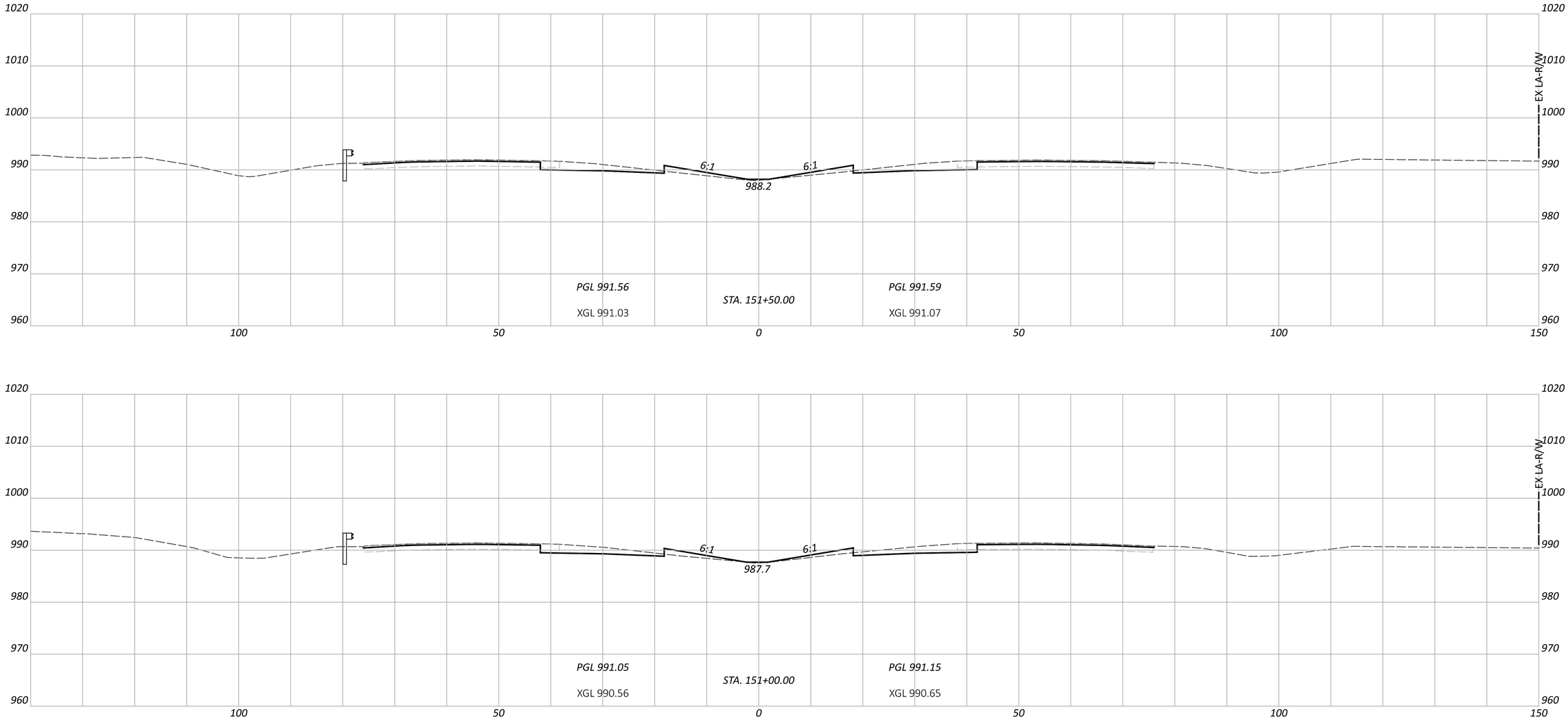
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0664 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 151+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:14 AM USER: brieder
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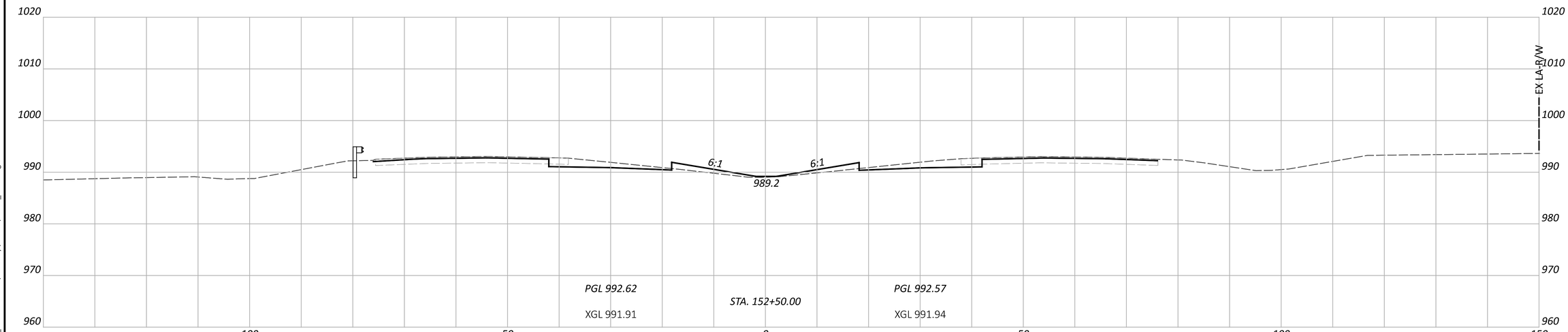
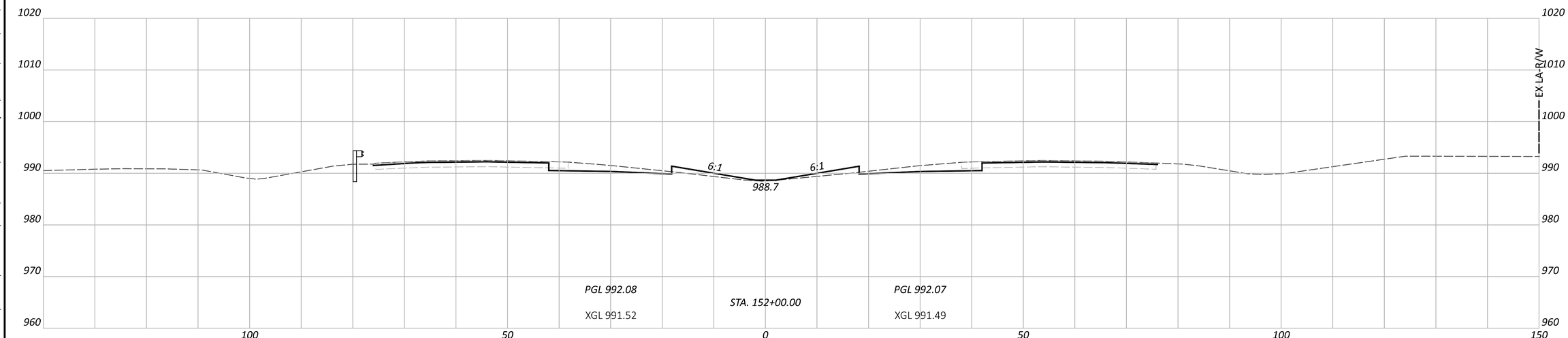
CROSS SECTIONS - IR 70
STA. 151+00.00 TO STA. 151+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0665
TOTAL	P.1556





CROSS SECTIONS - IR 70
STA. 152+00.00 TO STA. 152+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0666 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 152+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:18 AM USER: brieder
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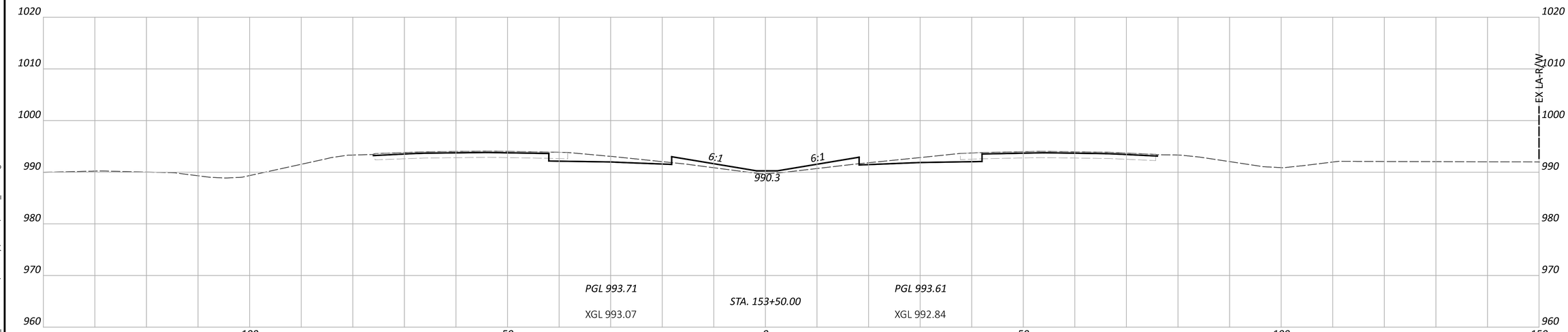

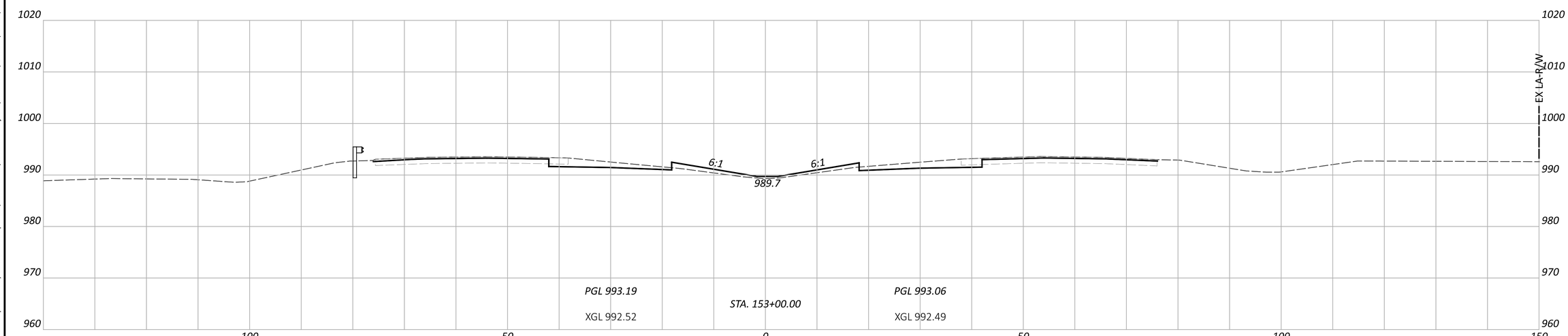

CROSS SECTIONS - IR 70
STA. 153+00.00 TO STA. 153+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 153+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:23 AM USER: brieder
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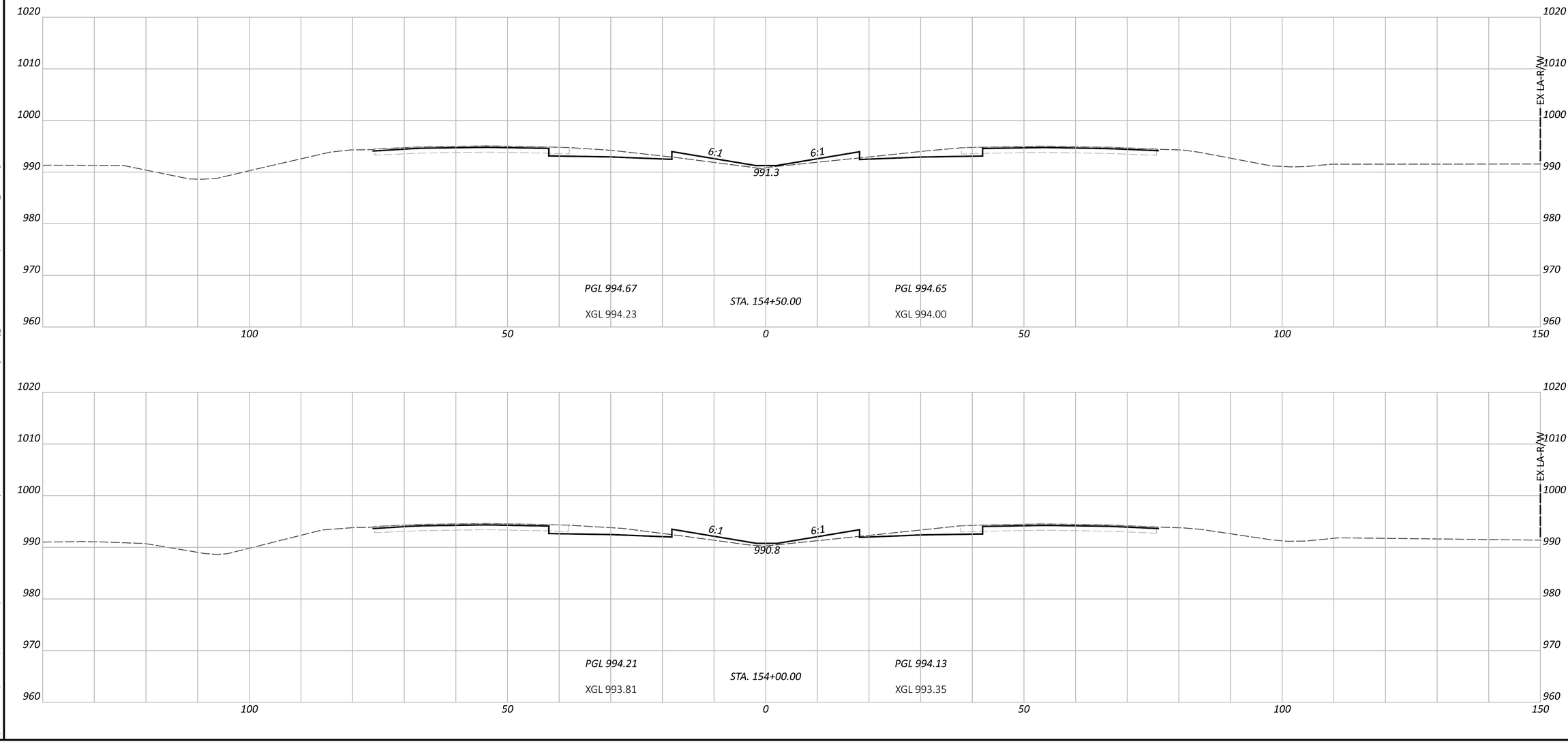
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0667 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 154+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:27 AM USER: brieder
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CROSS SECTIONS - IR 70
STA. 154+00.00 TO STA. 154+50.00

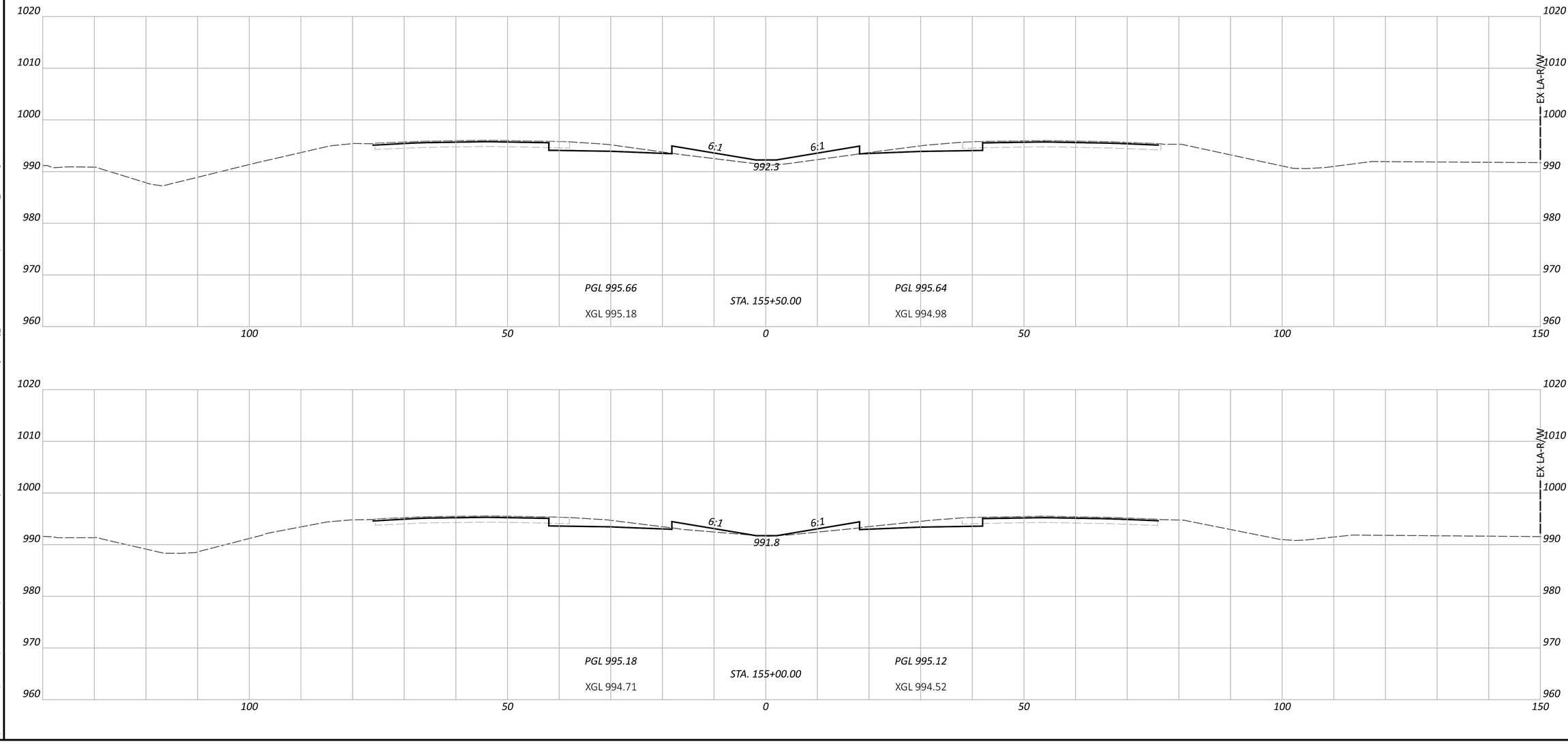
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0668 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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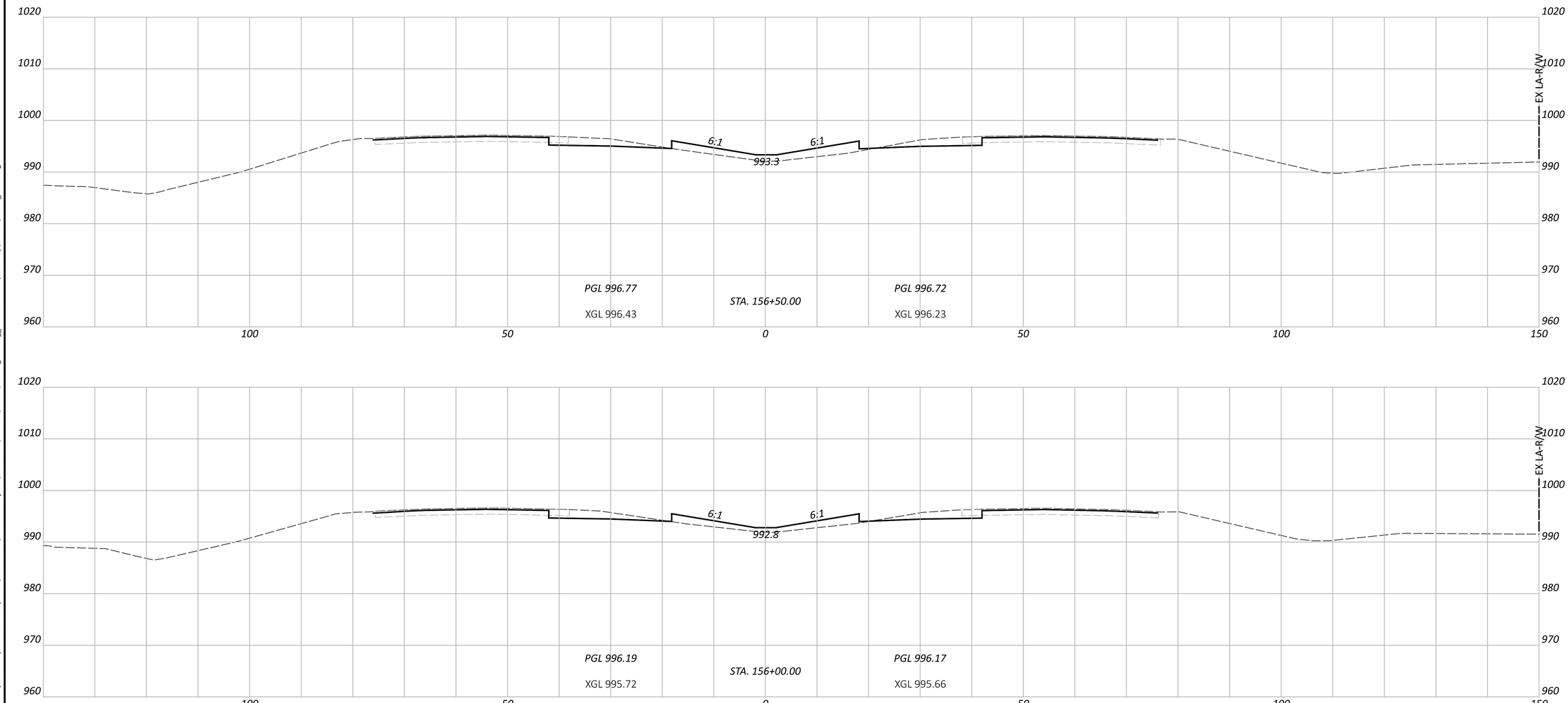
CROSS SECTIONS - IR 70
STA. 155+00.00 TO STA. 155+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0669
TOTAL	P.1556



CROSS SECTIONS - IR 70
STA. 156+00.00 TO STA. 156+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 156+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:36 AM USER: brieder
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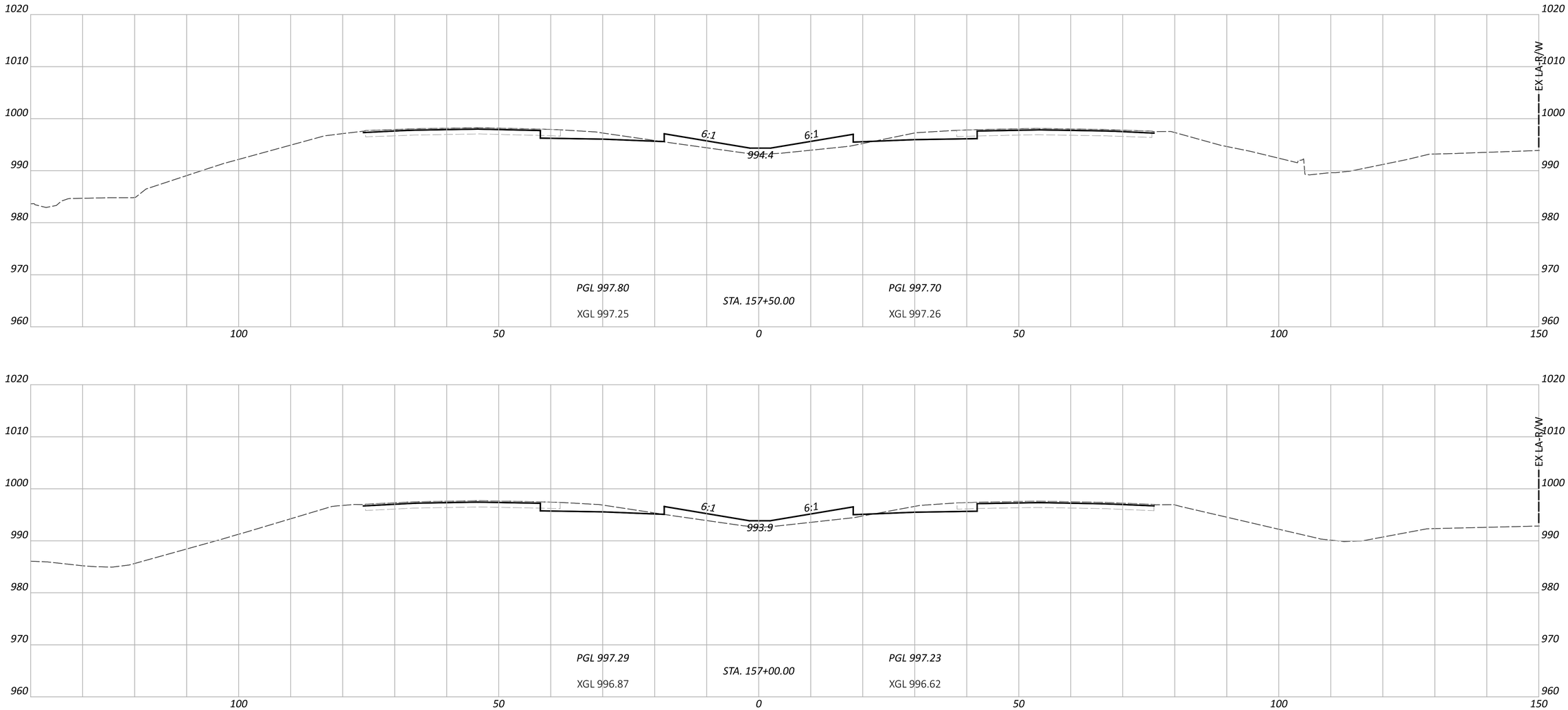
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	
BER	
REVIEWER	
KAM	04/25/25
PROJECT ID	
96808	
SHEET	TOTAL
P.0670	P.1556



CROSS SECTIONS - IR 70
STA. 157+00.00 TO STA. 157+50.00

FAI/LIC-IR 70-0.00/0.00

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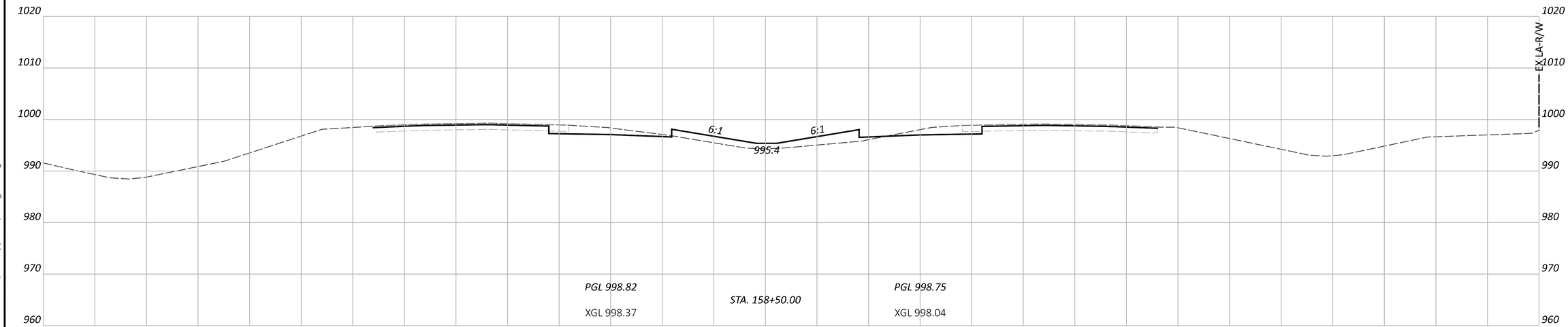
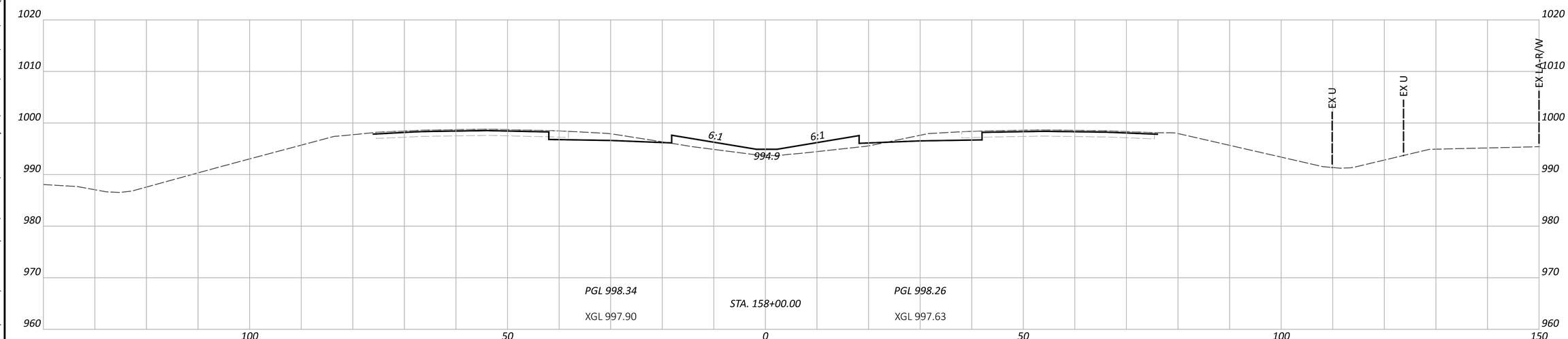
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0671
TOTAL	P.1556





CROSS SECTIONS - IR 70
STA. 158+00.00 TO STA. 158+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 158+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:45 AM USER: brieder
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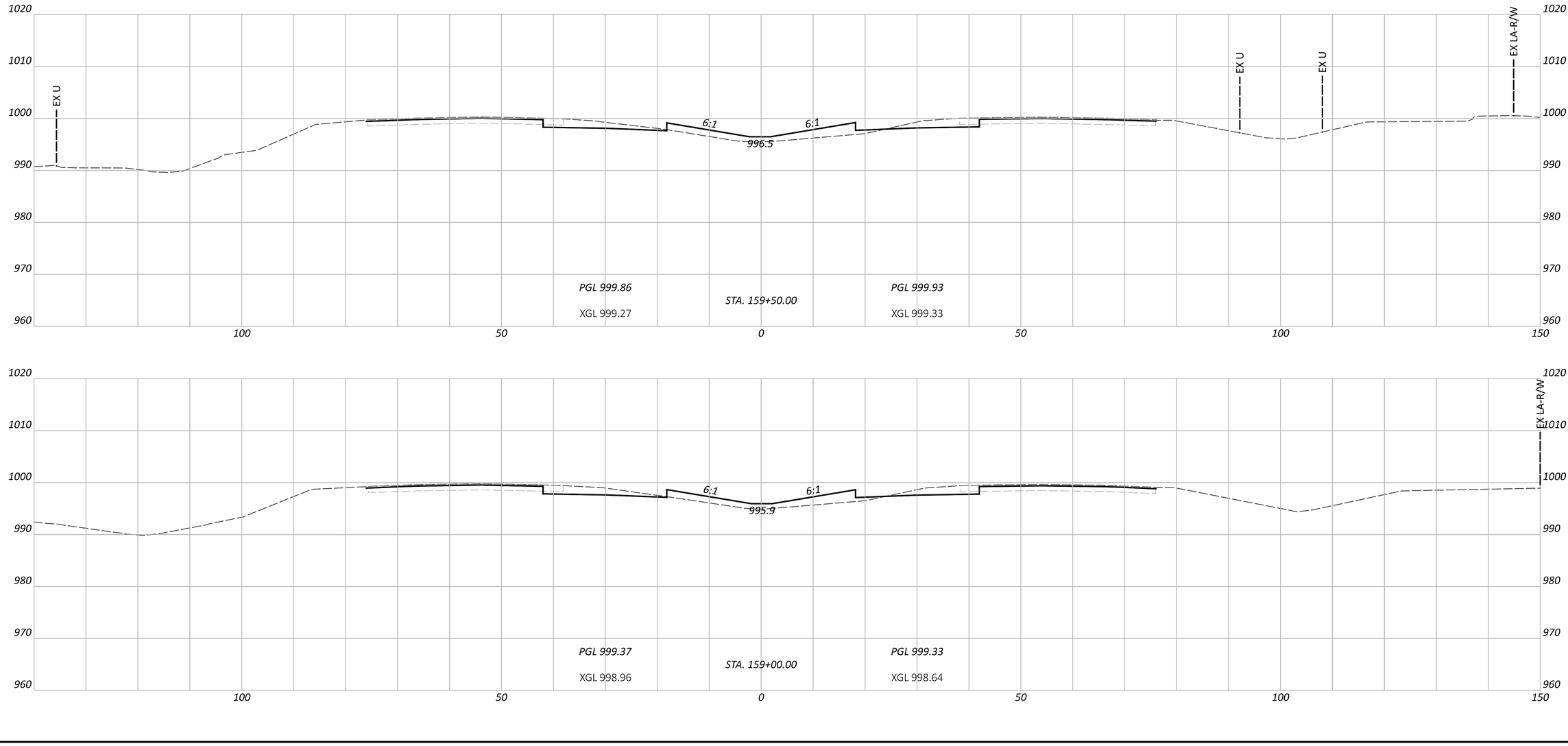
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0672
TOTAL	P.1556



FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 159+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:49 AM USER: brieder
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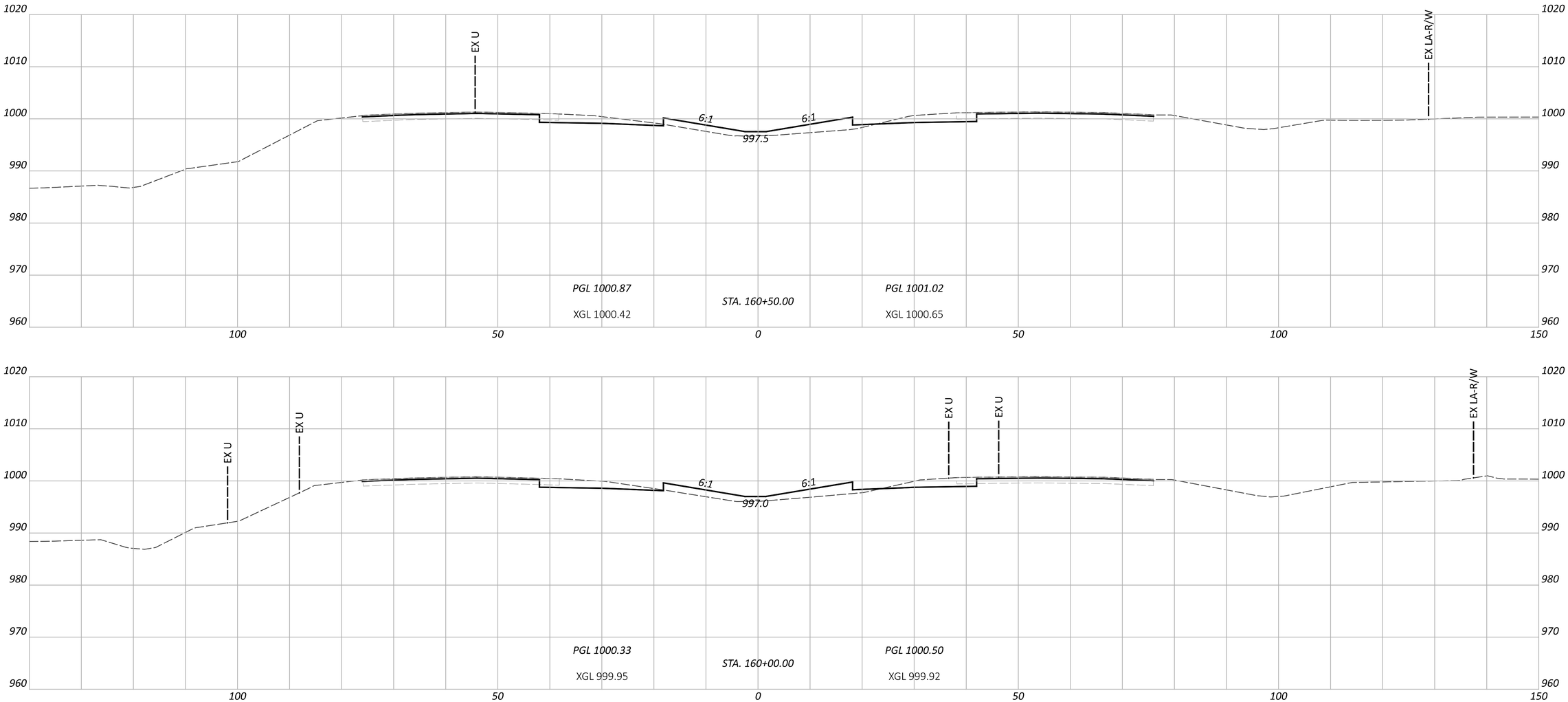
CROSS SECTIONS - IR 70
STA. 159+00.00 TO STA. 159+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0673
TOTAL	P.1556



CROSS SECTIONS - IR 70
STA. 160+00.00 TO STA. 160+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 160+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:54 AM USER: brieder
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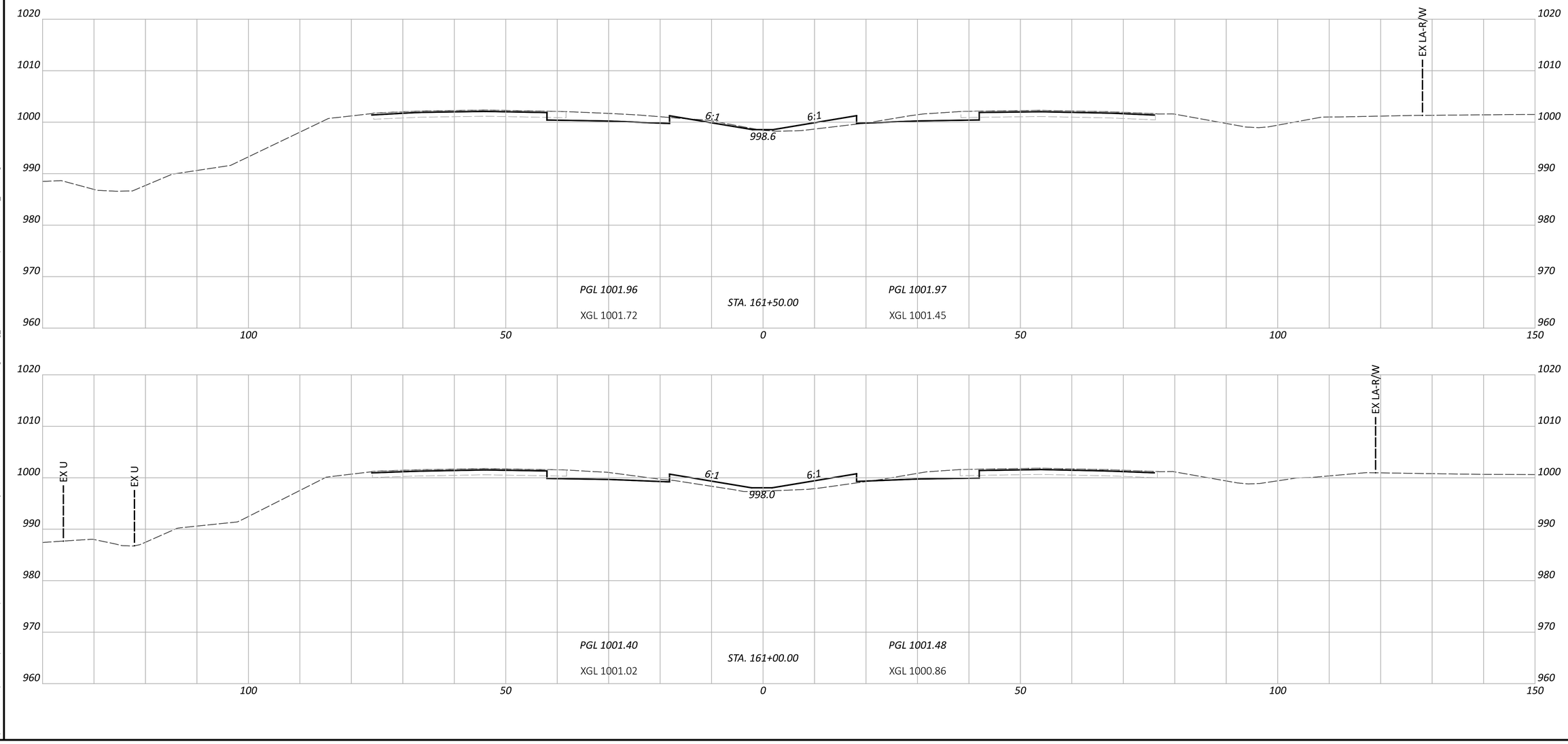
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0674	P.1556



CROSS SECTIONS - IR 70
STA. 161+00.00 TO STA. 161+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 161+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:56:58 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0675
TOTAL	P.1556

CROSS SECTIONS - IR 70
STA. 162+00.00 TO STA. 162+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 162+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:57:02 AM USER: brieder
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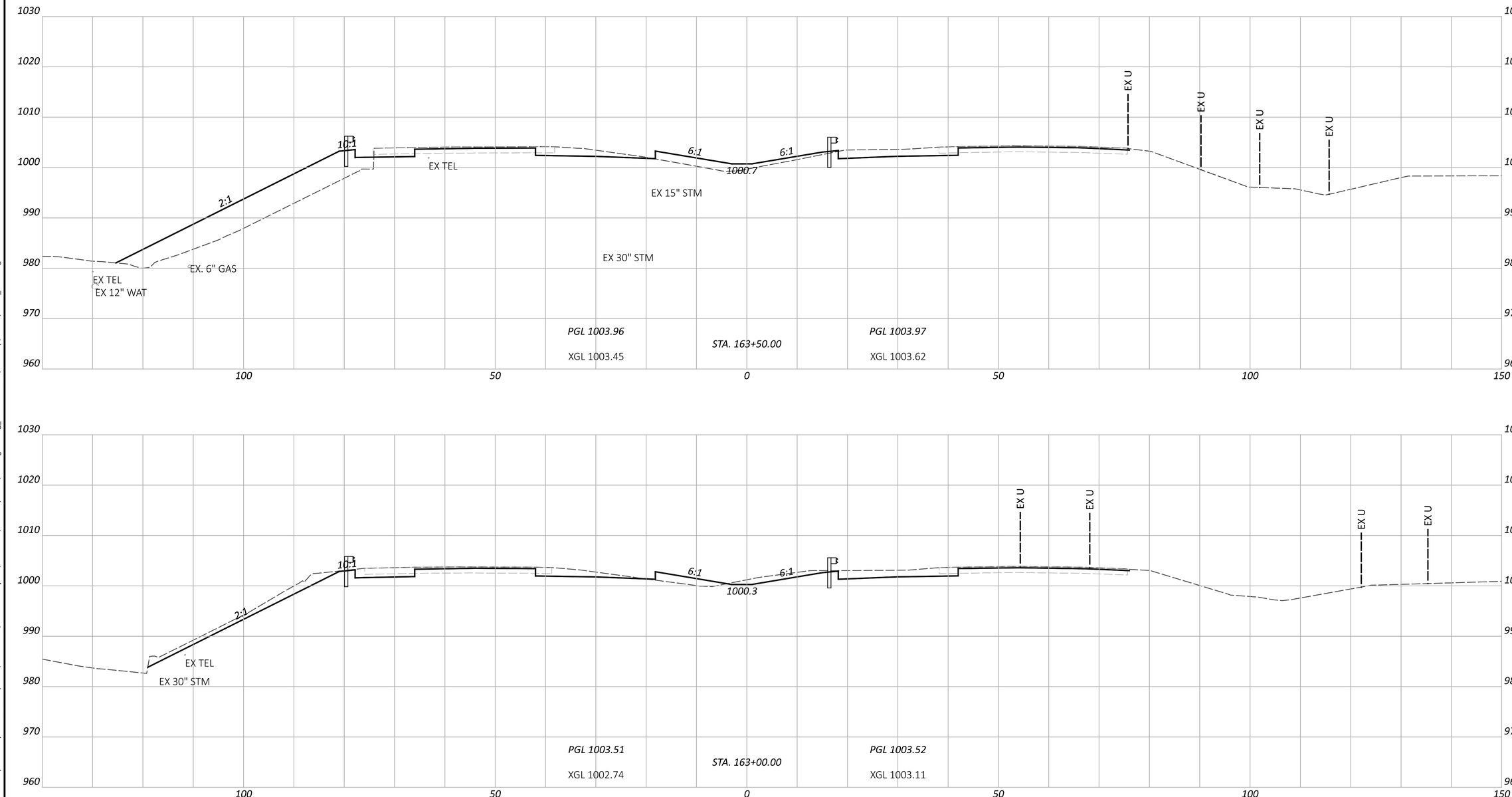
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0676 TOTAL P.1556



CROSS SECTIONS - IR 70
STA. 163+00.00 TO STA. 163+50.00

FAI/LIC-IR 70-0.00/0.00

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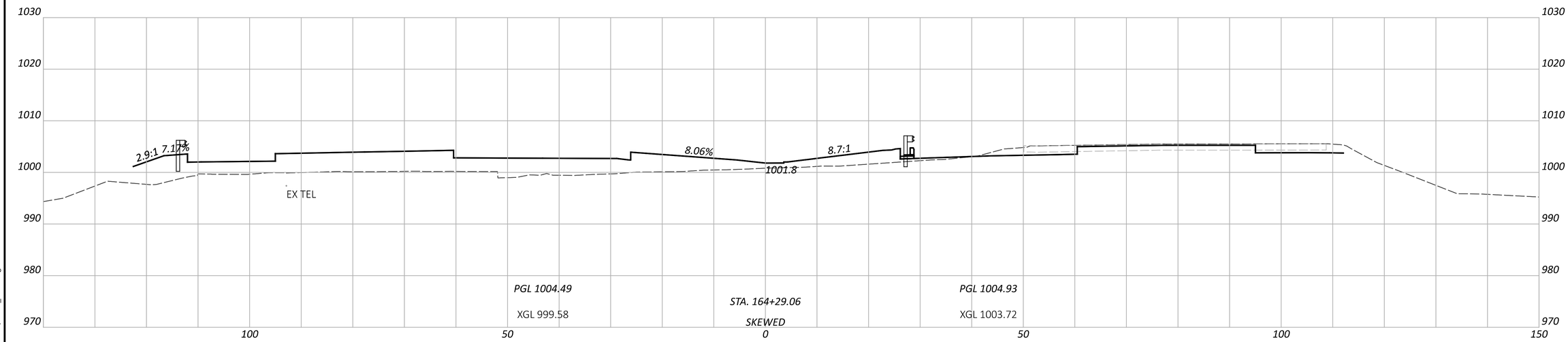
DESIGN AGENCY
STRUCTUREPOINT LLC

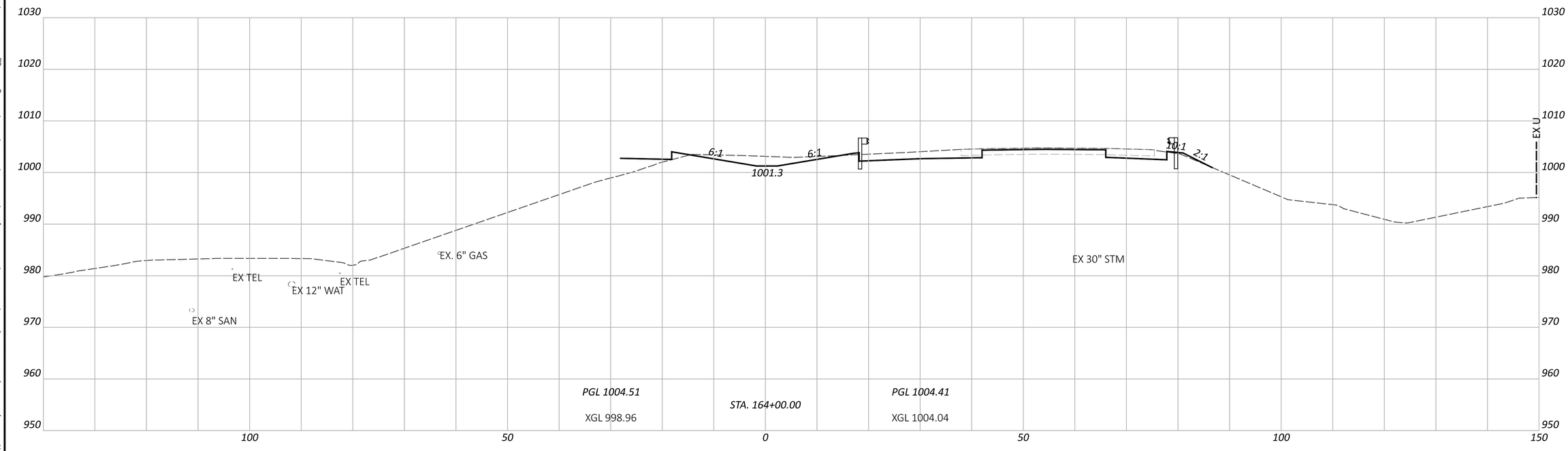
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0677 TOTAL P.1556





CROSS SECTIONS - IR 70
STA. 164+00.00 TO STA. 164+29.06

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 164+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:57:11 AM USER: brieder
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0678 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 165+95.94 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:57:16 AM USER: brieder
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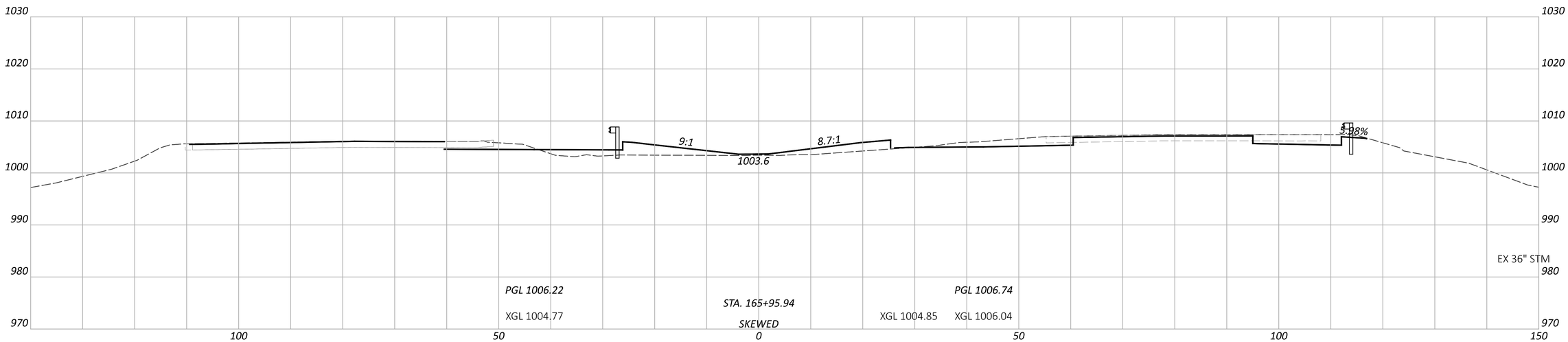


CROSS SECTIONS - IR 70
STA. 165+95.94

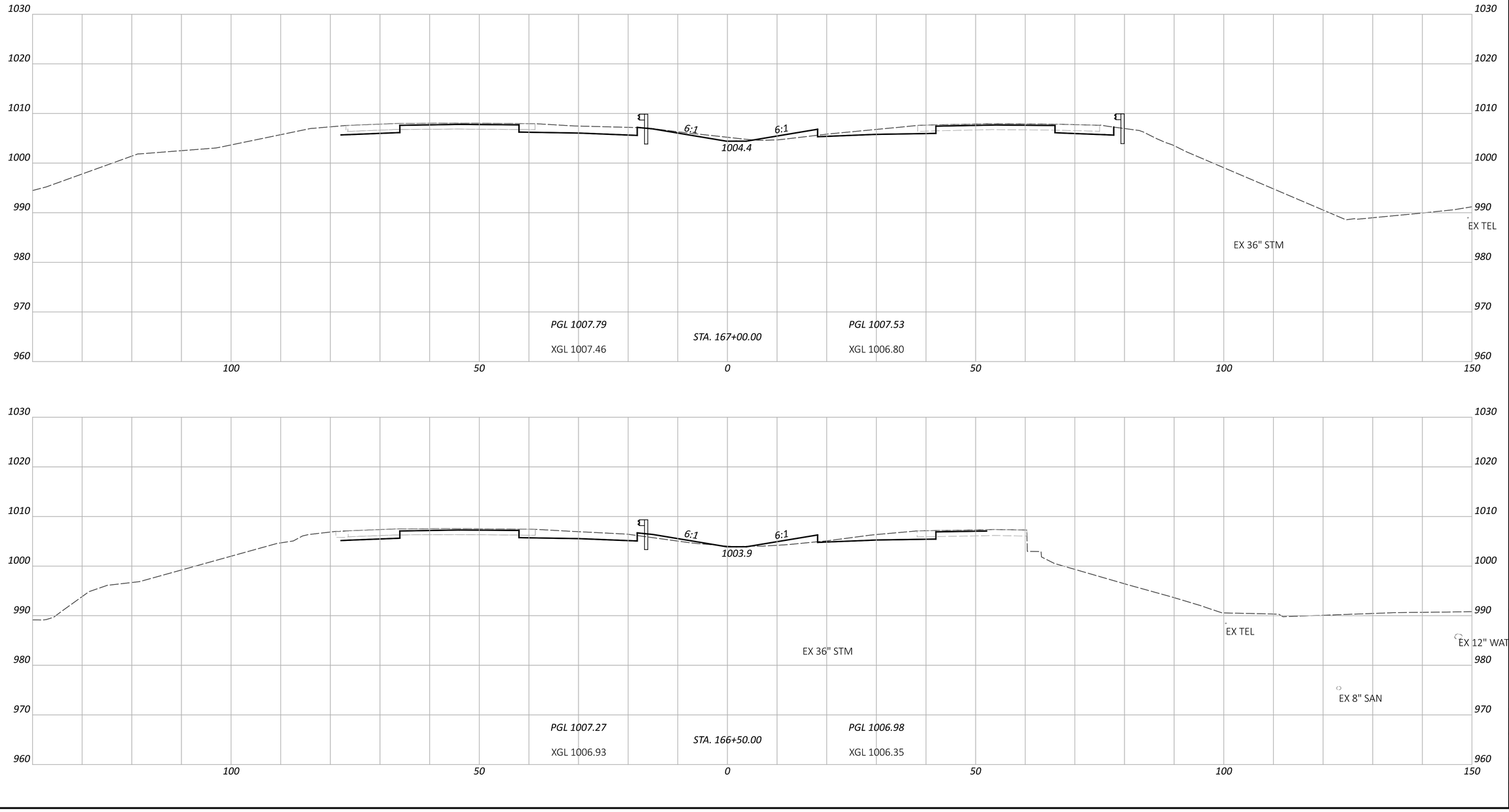
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0679 | TOTAL P.1556



CROSS SECTIONS - IR 70
STA. 166+50.00 TO STA. 167+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 166+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:57:19 AM USER: brieder
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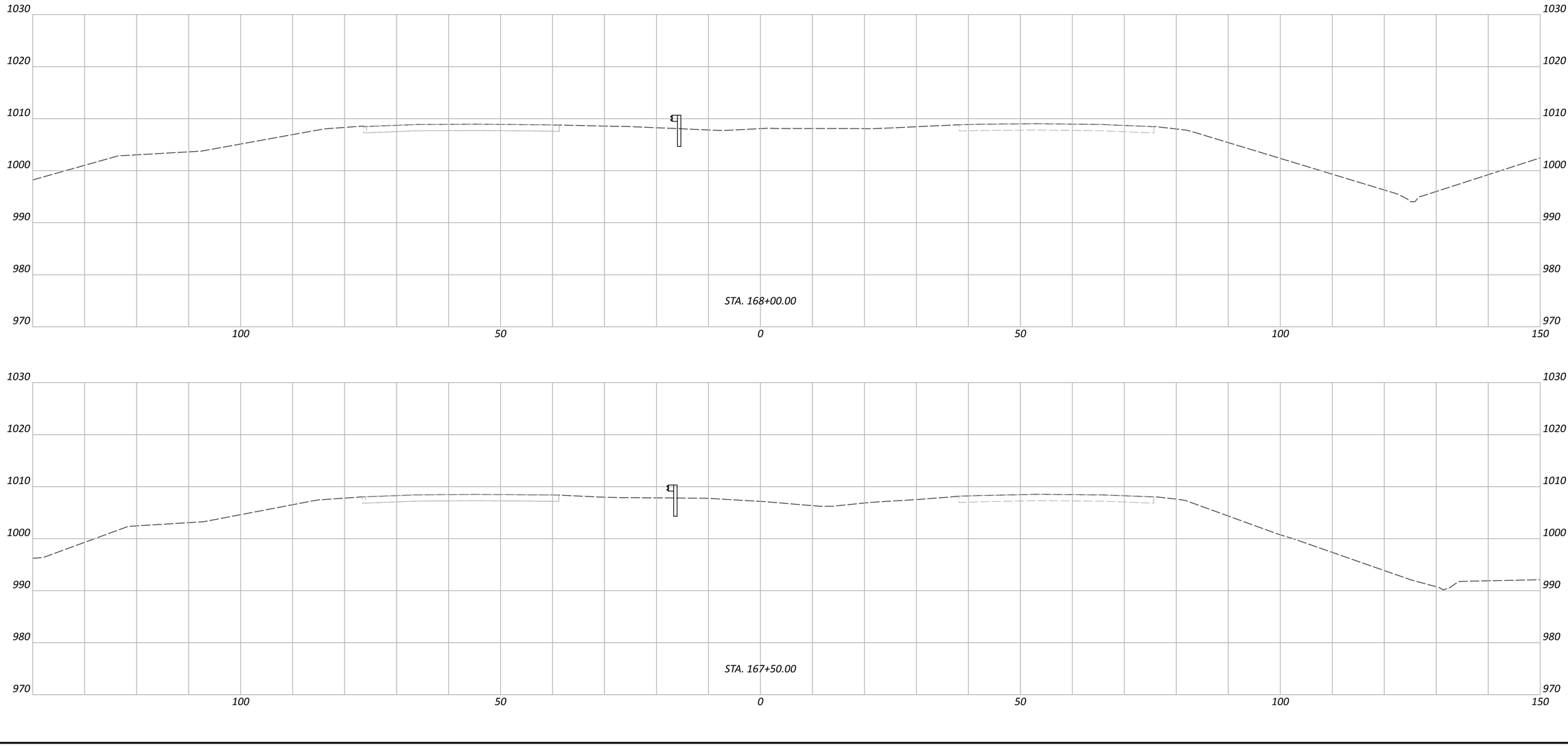
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	
BER	
REVIEWER	
KAM	04/25/25
PROJECT ID	
96808	
SHEET	TOTAL
P.0680	P.1556



CROSS SECTIONS - IR 70
STA. 167+50.00 TO STA. 168+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - A 167+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:57:23 AM USER: brieder
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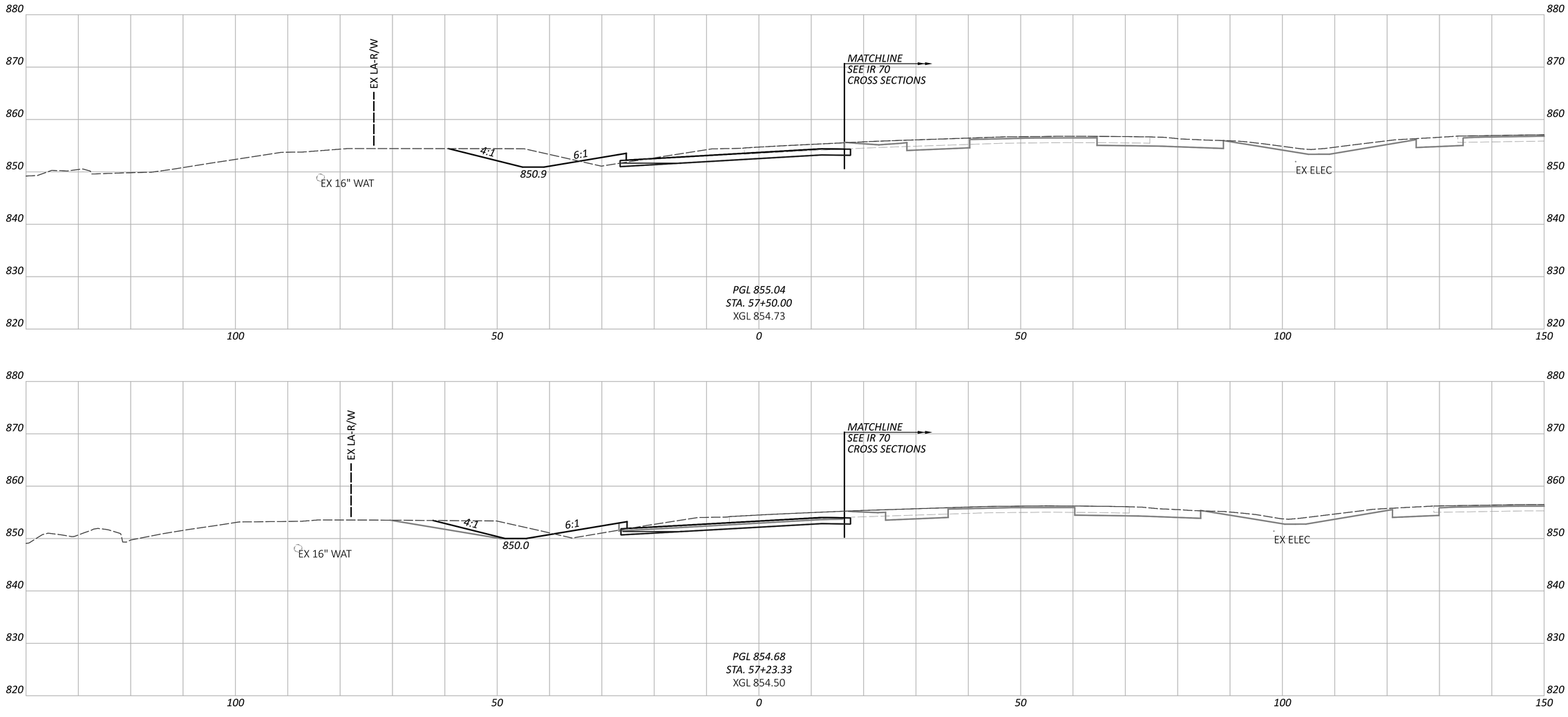
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0681	P.1556



CROSS SECTIONS - RAMP A
STA. 57+23.33 TO STA. 57+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 57+23.33 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:08 AM USER: brieder
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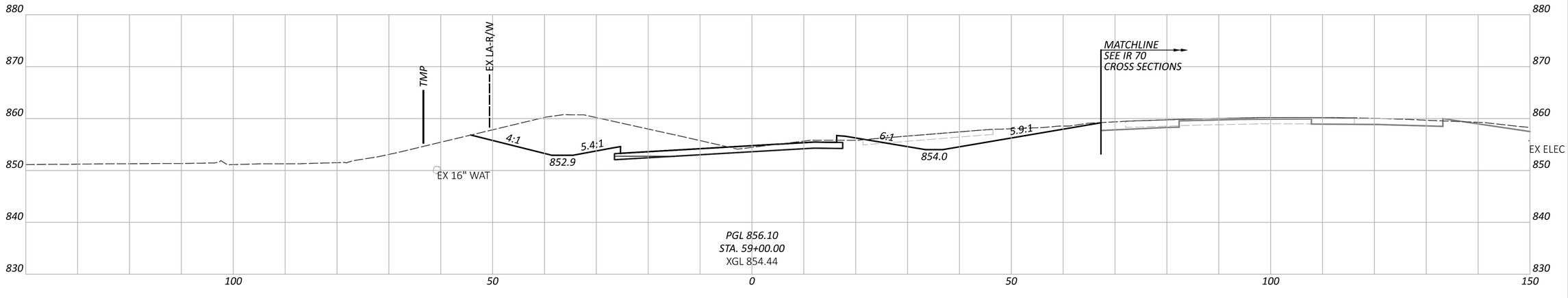
DESIGN AGENCY
STRUCTUREPOINT INC.

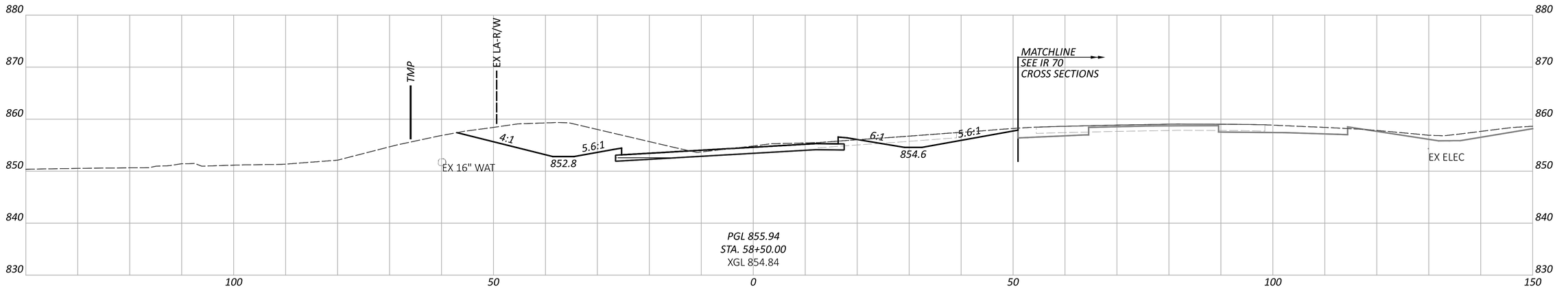
DESIGNER
BER

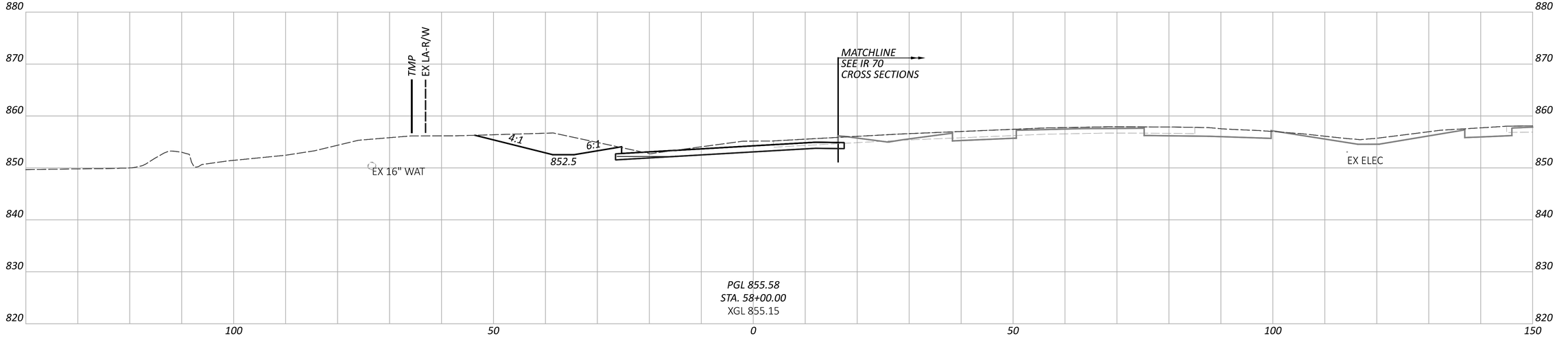
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0682 TOTAL P.1556







CROSS SECTIONS - RAMP A
STA. 58+00.00 TO STA. 59+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 58+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:26 AM USER: brieder
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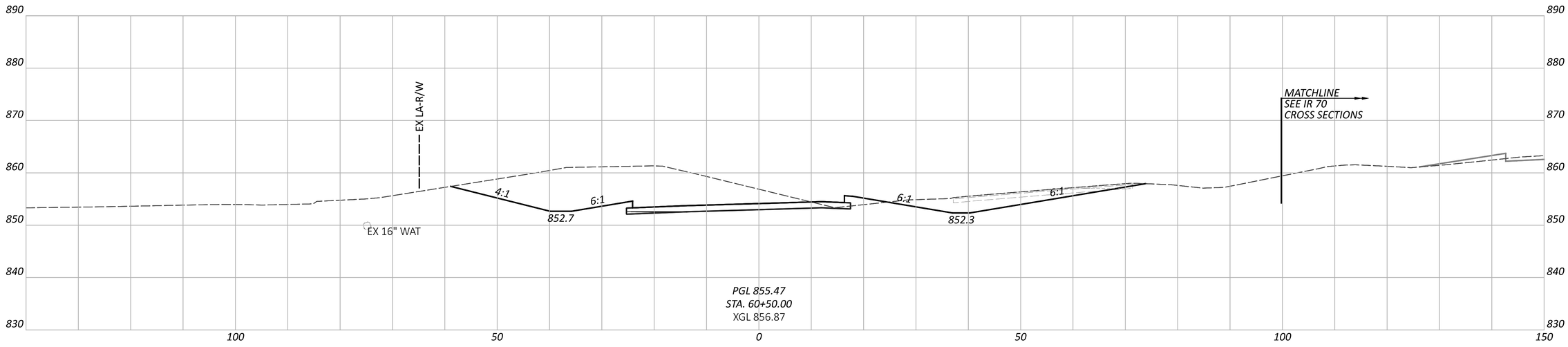
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

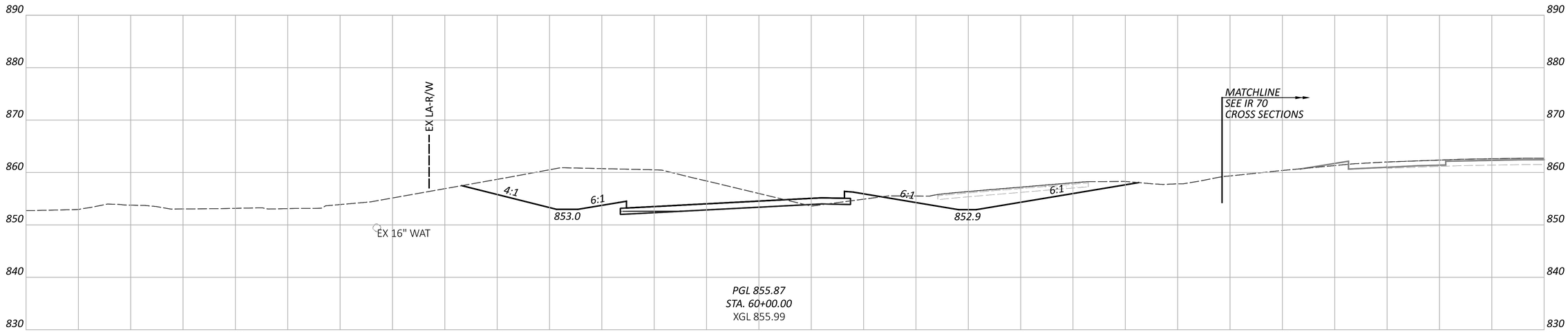
DESIGNER
BER

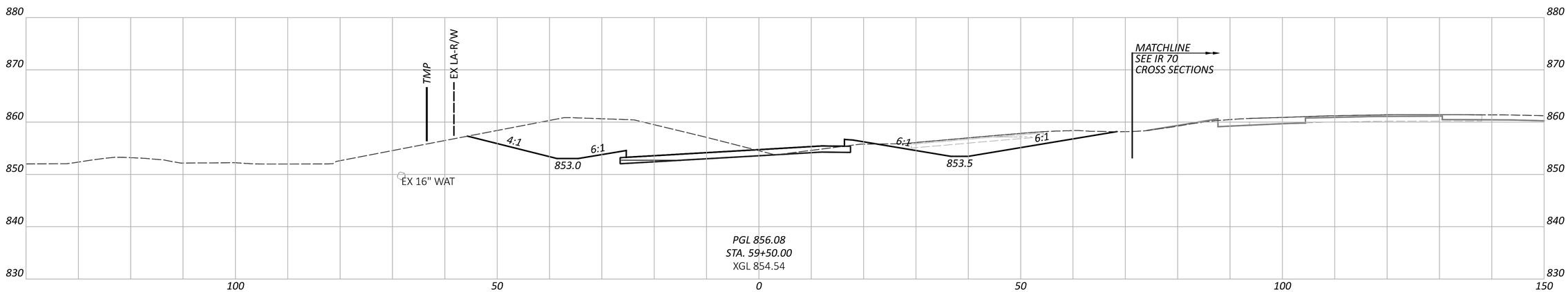
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0683 | TOTAL P.1556







CROSS SECTIONS - RAMP A
STA. 59+50.00 TO STA. 60+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 59+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:30 AM USER: brieder
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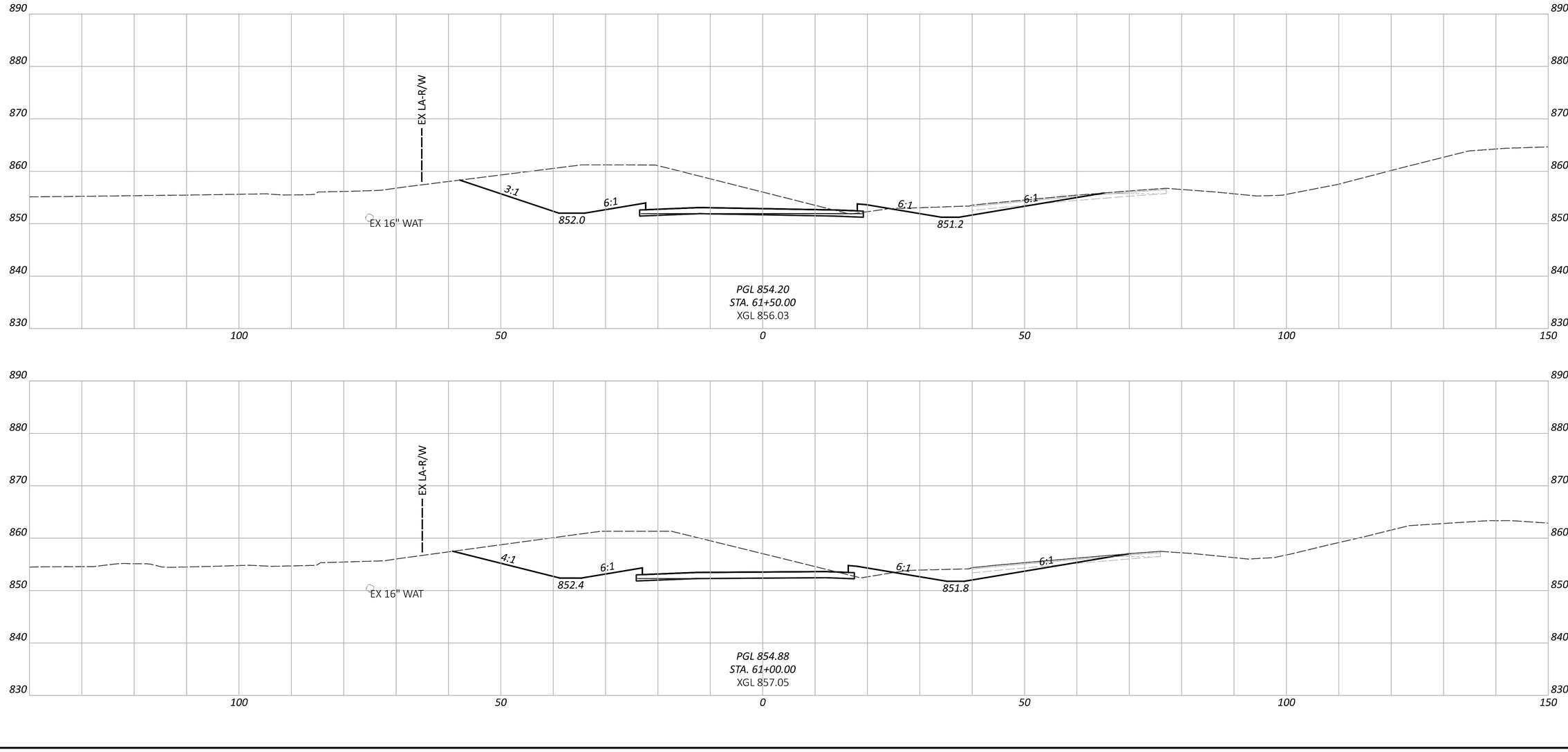
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0684 TOTAL P.1556



CROSS SECTIONS - RAMP A
STA. 61+00.00 TO STA. 61+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 61+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:34 AM USER: brieder
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0685 TOTAL P.1556

CROSS SECTIONS - RAMP A
STA. 62+00.00 TO STA. 62+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 62+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:38 AM USER: brieder
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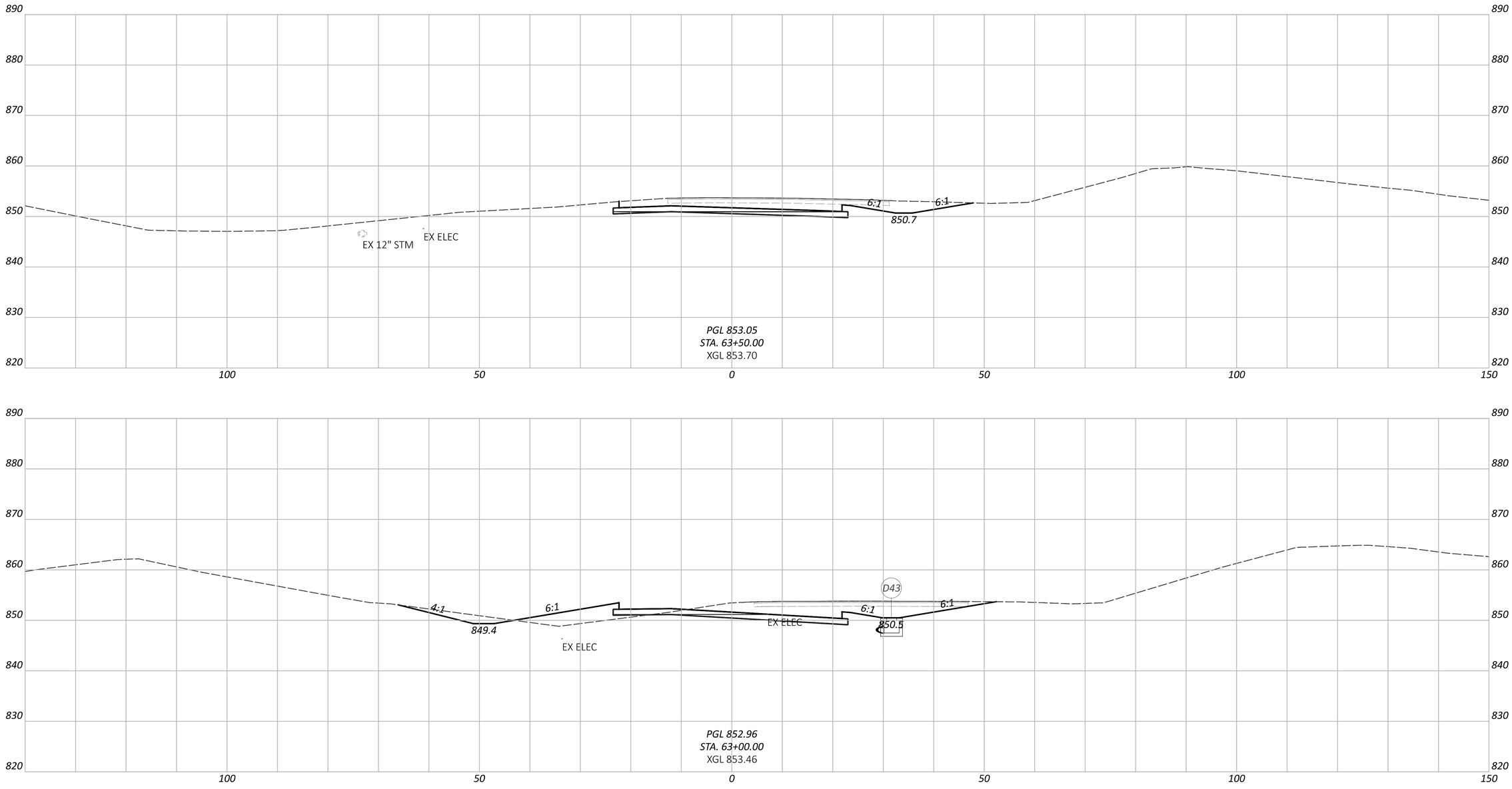
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0686 | TOTAL P.1556



CROSS SECTIONS - RAMP A
STA. 63+00.00 TO STA. 63+50.00

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0687 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 63+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:40 AM USER: brieder
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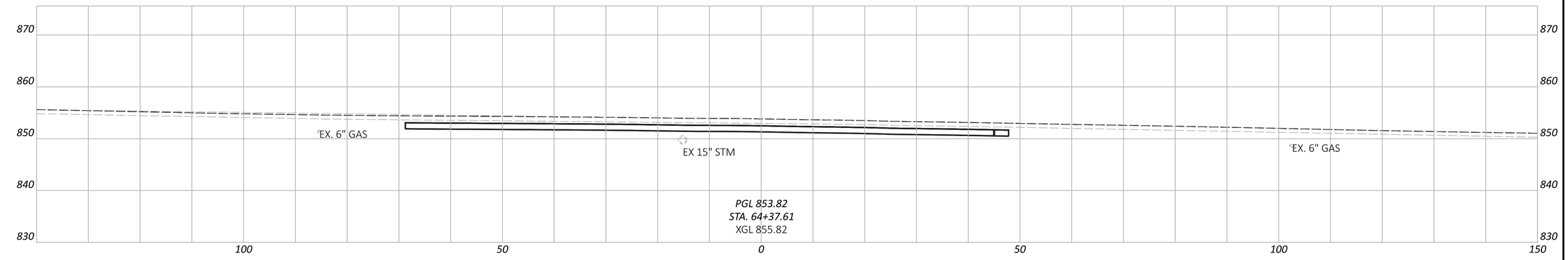

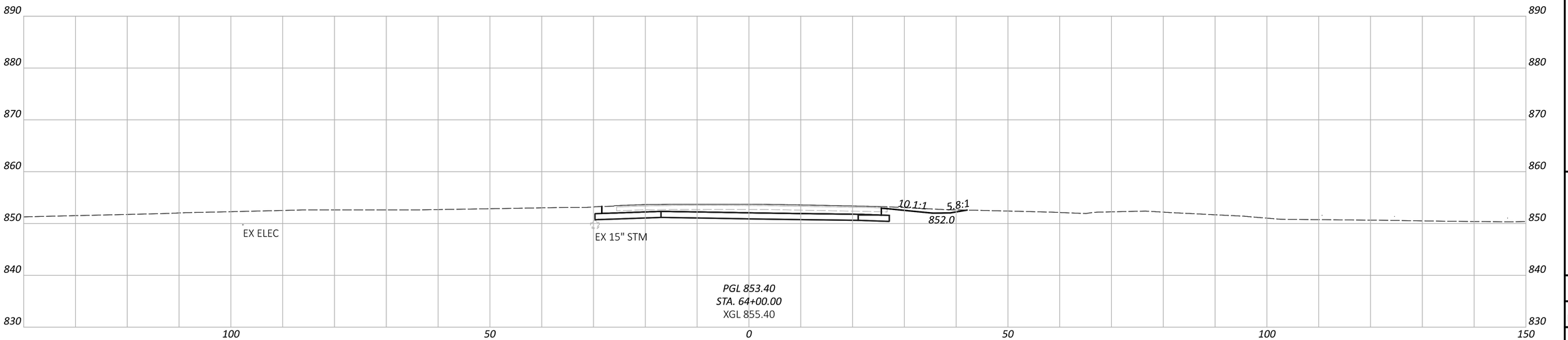

CROSS SECTIONS - RAMP A
STA. 64+00.00 TO STA. 64+37.61

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0688 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070A - 64+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:01:44 AM USER: brieder
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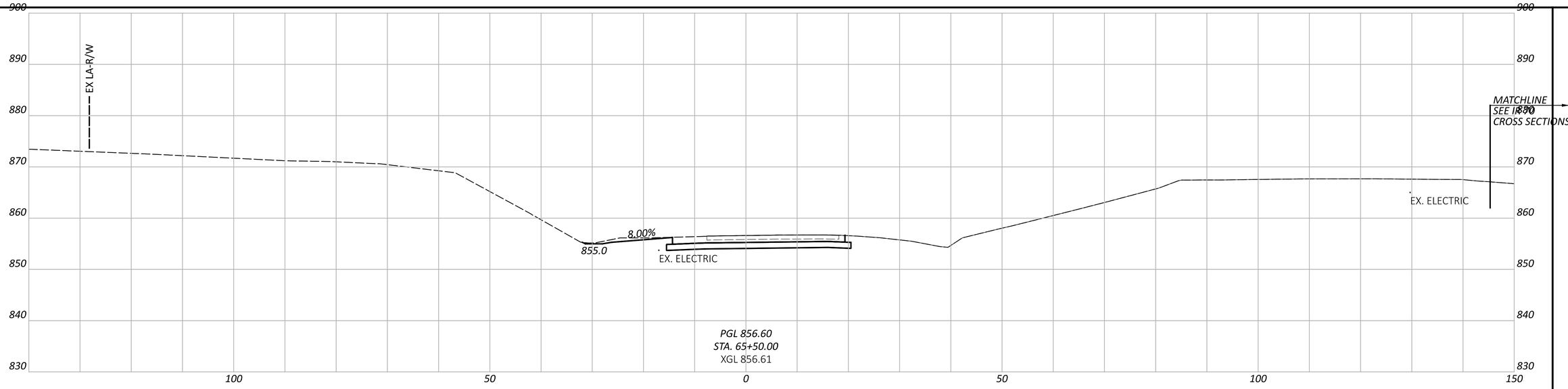

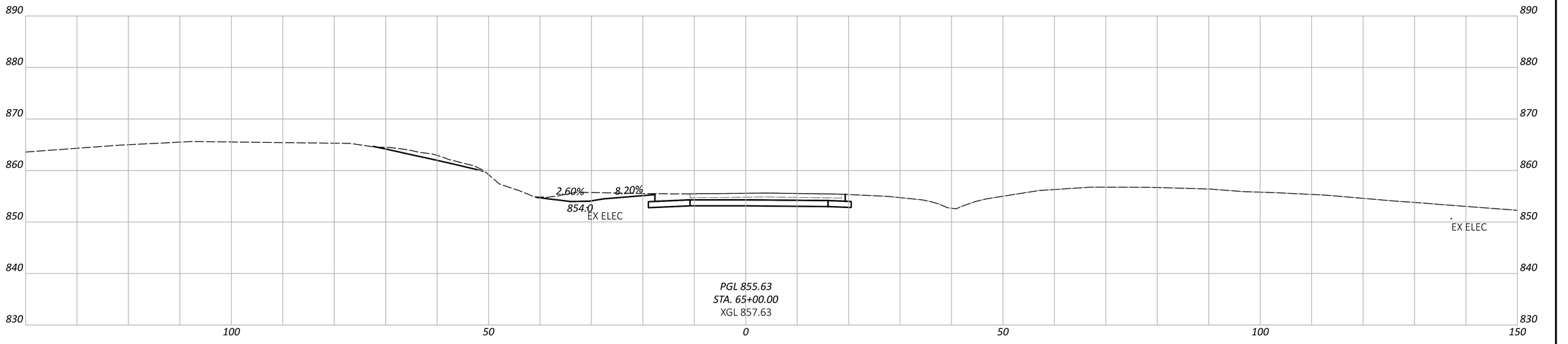

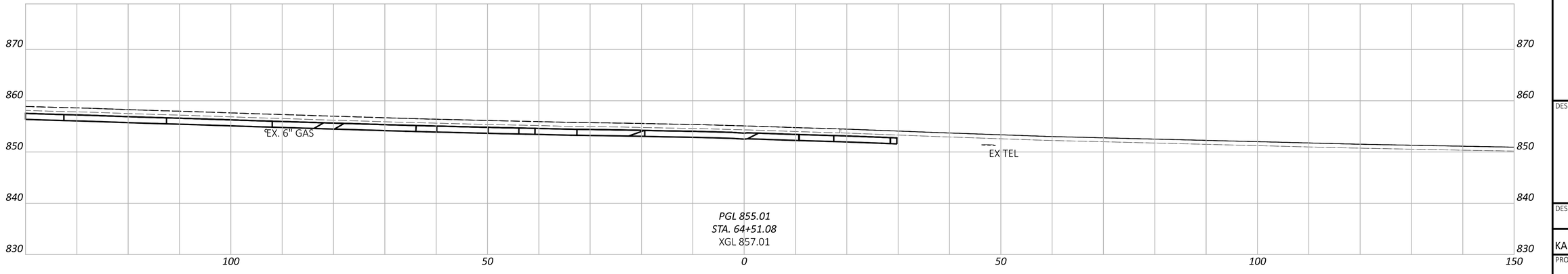

CROSS SECTIONS - RAMP B
STA. 64+51.08 TO STA. 65+50.00

FAI/LIC-IR 70-0.00/0.00

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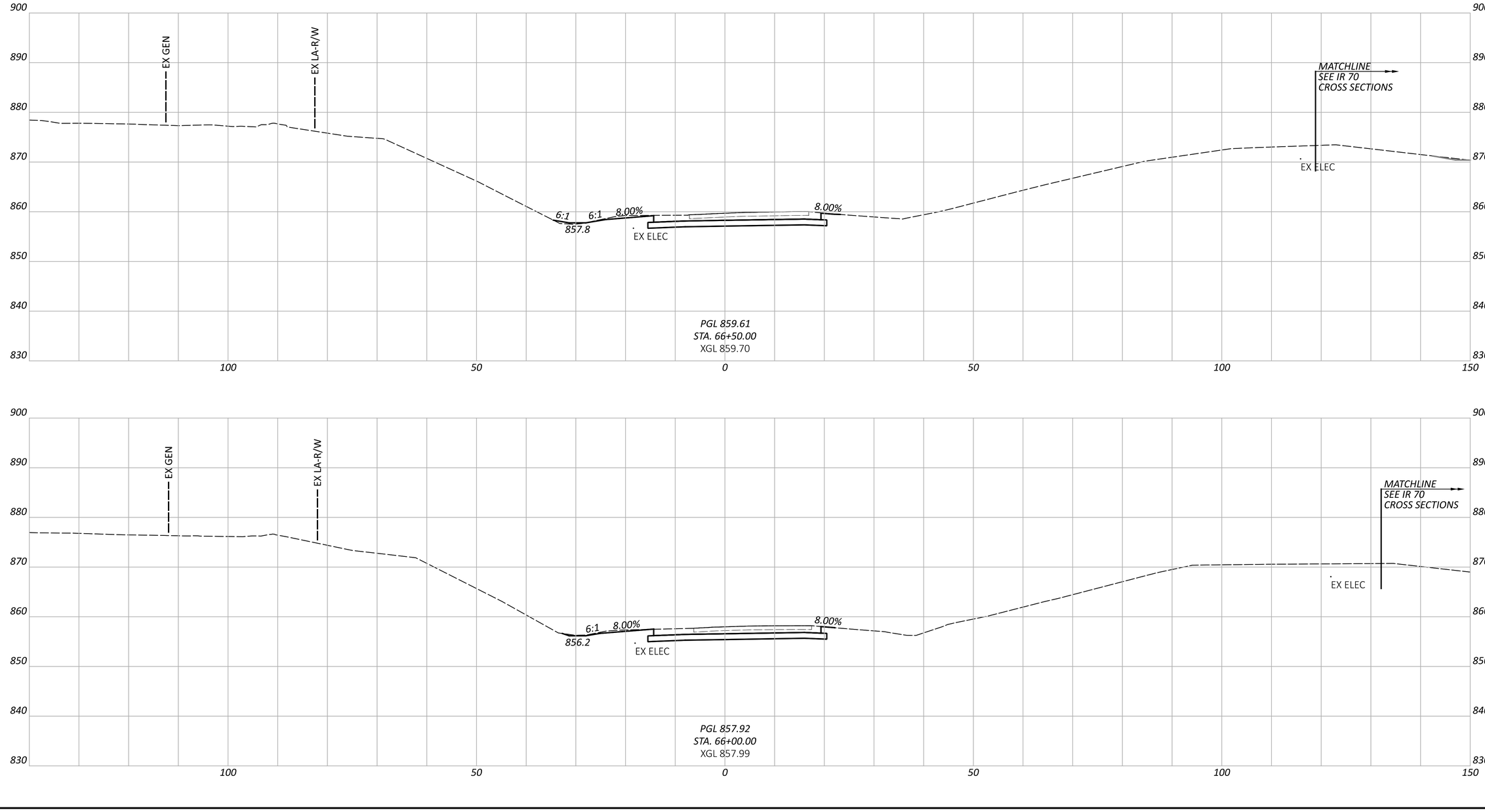
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0689 TOTAL P.1556



CROSS SECTIONS - RAMP B
STA. 66+00.00 TO STA. 66+50.00

FAI/LIC-IR 70-0.00/0.00

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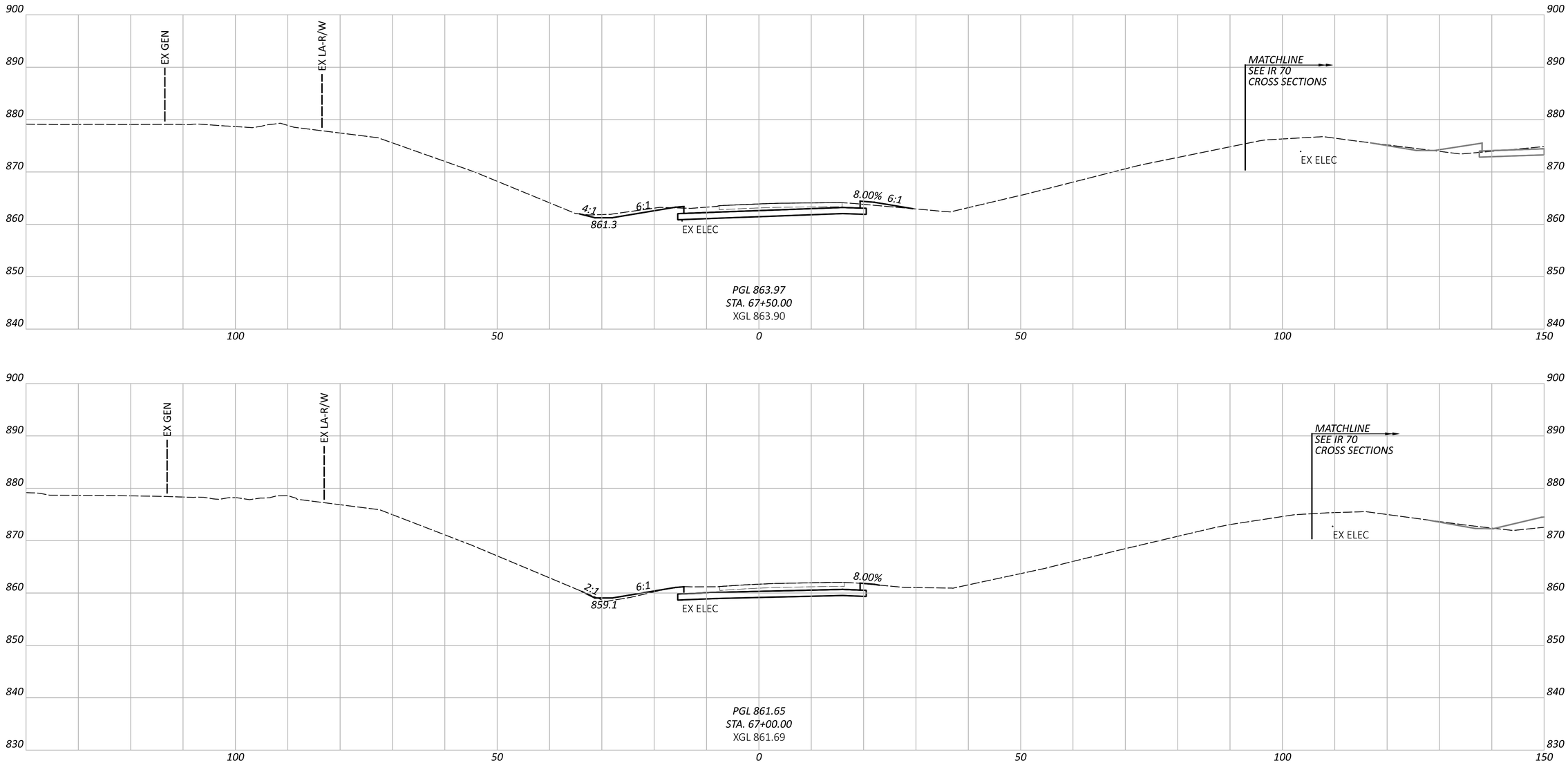
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0690 TOTAL P.1556



CROSS SECTIONS - RAMP B
STA. 67+00.00 TO STA. 67+50.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0691 TOTAL P.1556

CROSS SECTIONS - RAMP B
STA. 68+00.00 TO STA. 68+50.00

FAI/LIC-IR 70-0.00/0.00

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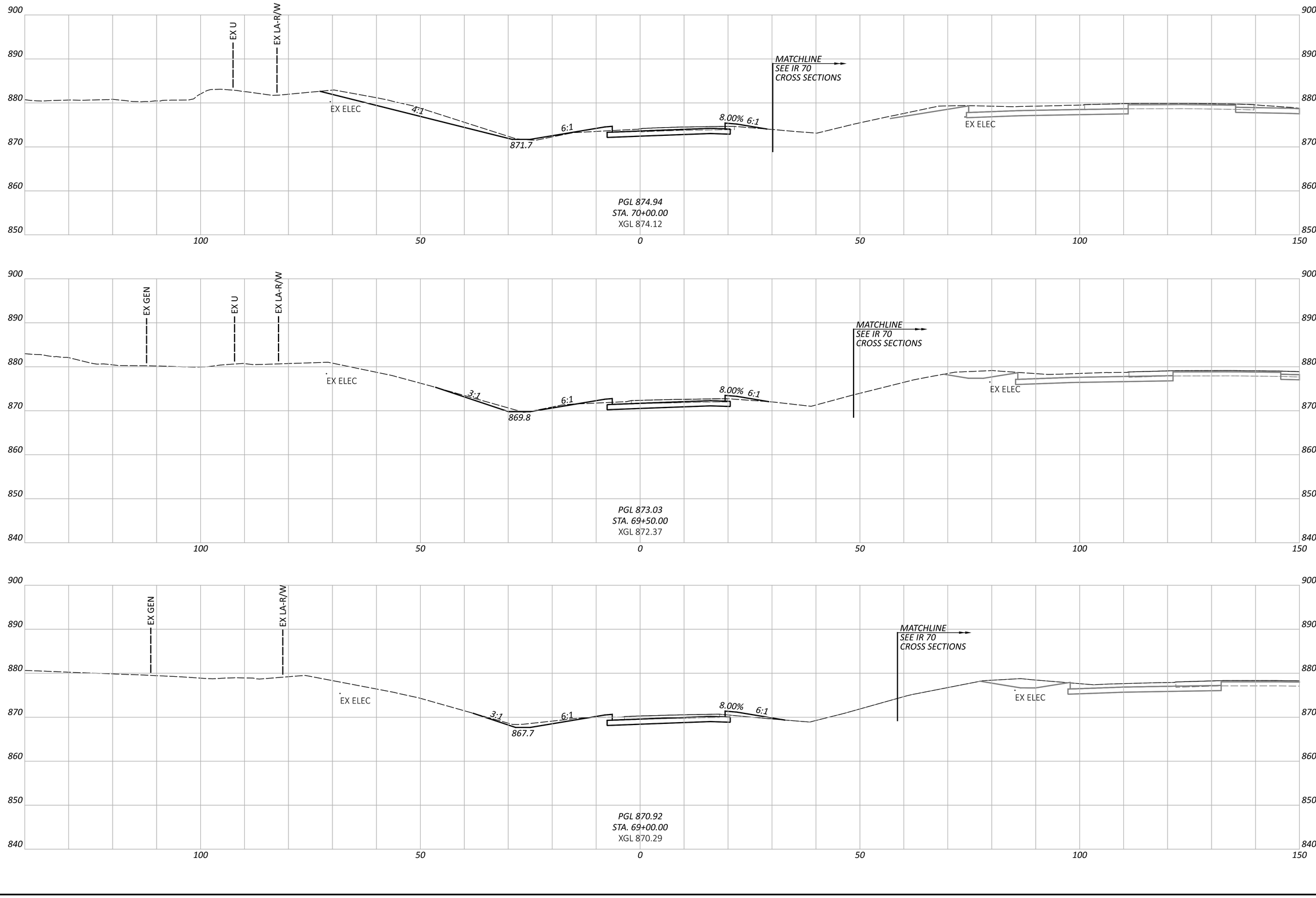
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0692 TOTAL P.1556



CROSS SECTIONS - RAMP B
STA. 69+00.00 TO STA. 70+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET
SXC220-GSP.1556

TOTAL
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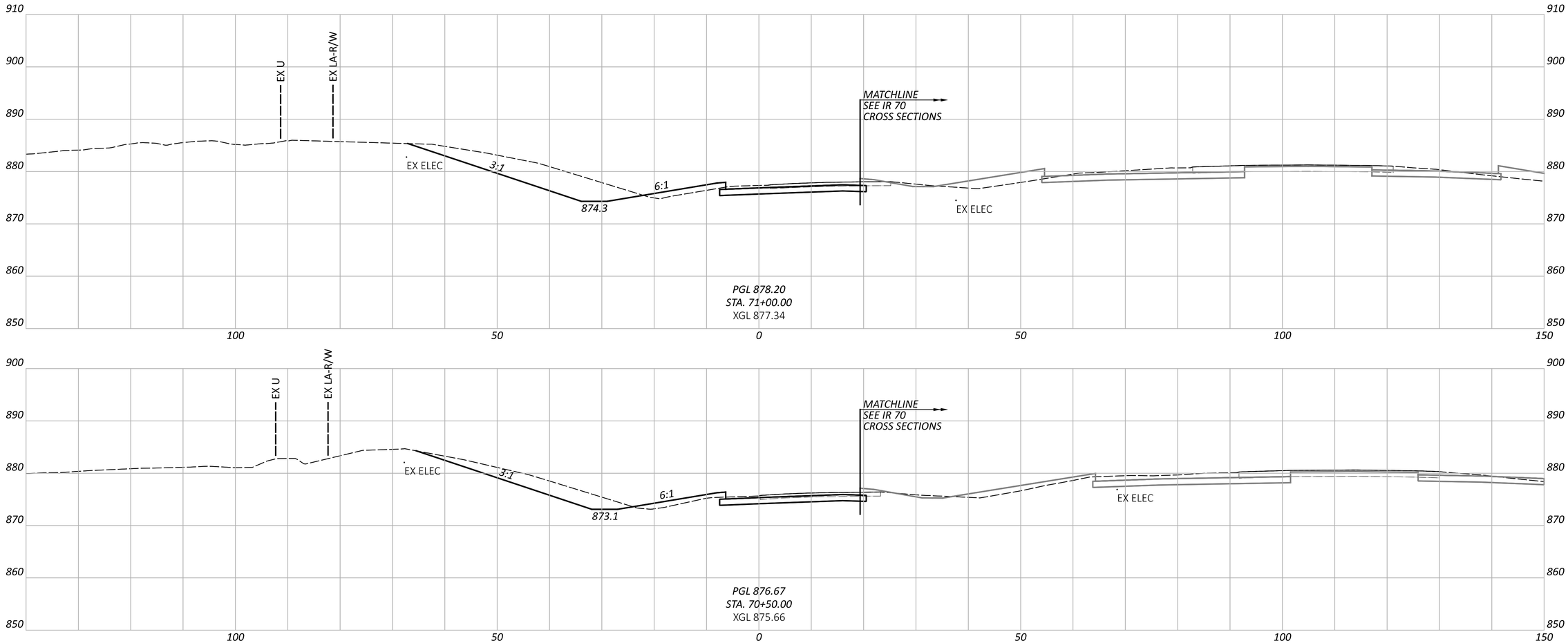

CROSS SECTIONS - RAMP B
STA. 70+50.00 TO STA. 71+00.00

FAI/LIC-IR 70-0.00/0.00

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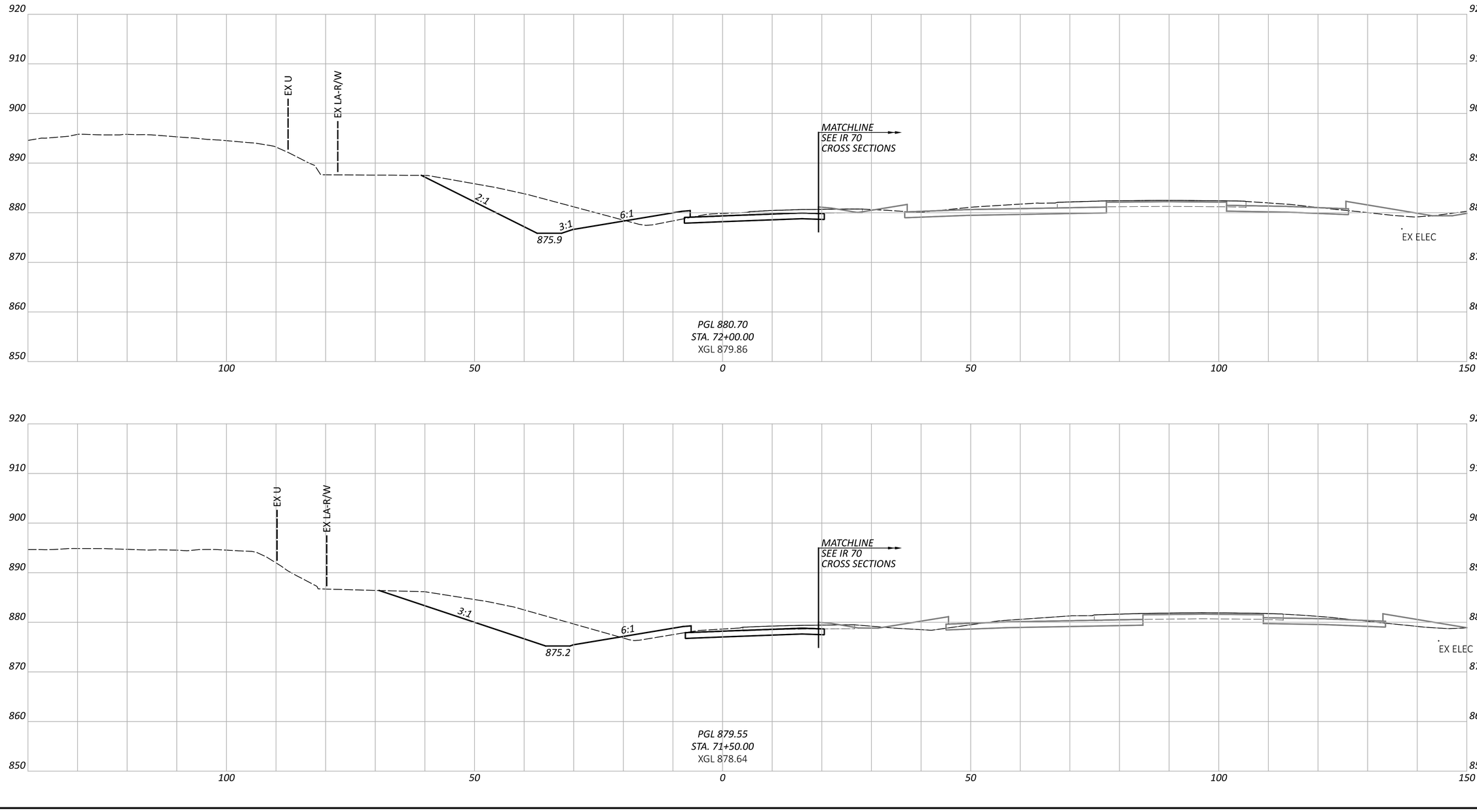
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0694 | TOTAL P.1556



CROSS SECTIONS - RAMP B
STA. 71+50.00 TO STA. 72+00.00

FAI/LIC-IR 70-0.00/0.00

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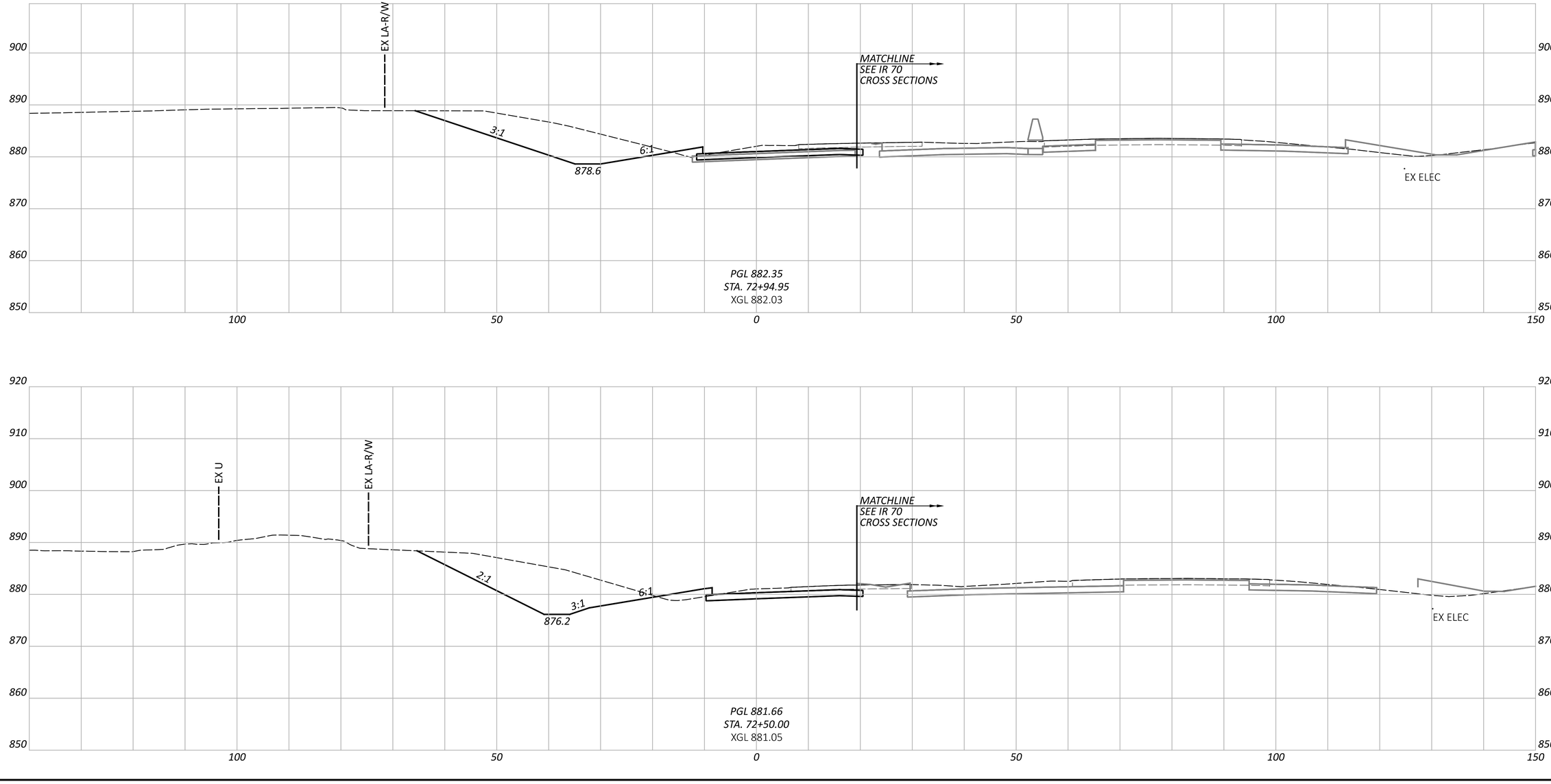
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0695 TOTAL P.1556



CROSS SECTIONS - RAMP B
STA. 72+50.00 TO STA. 72+94.95

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
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REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0696 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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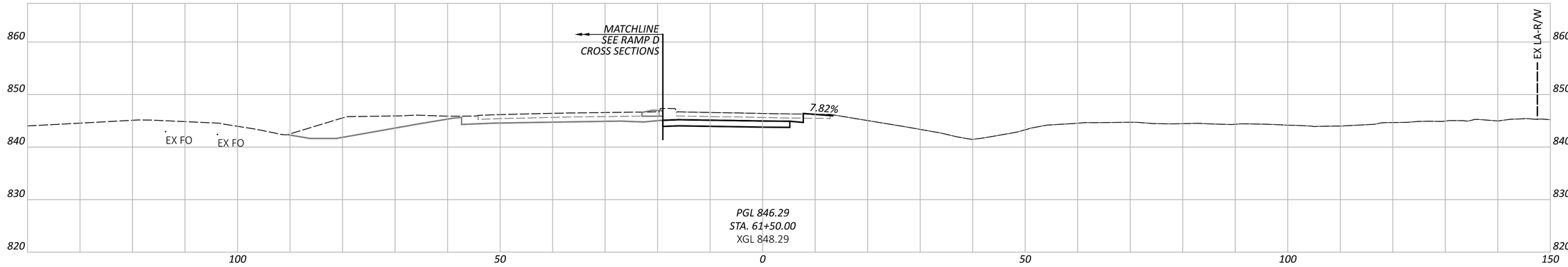

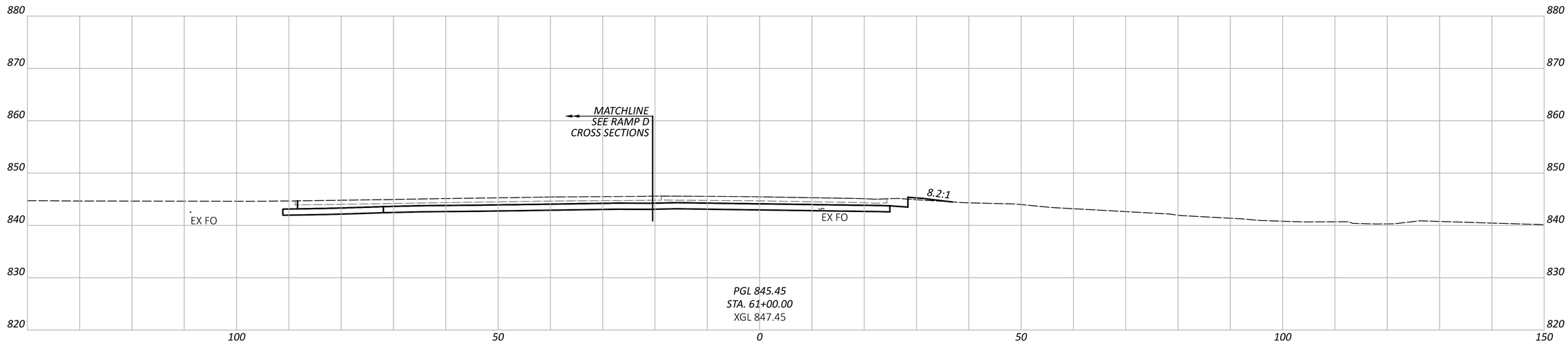

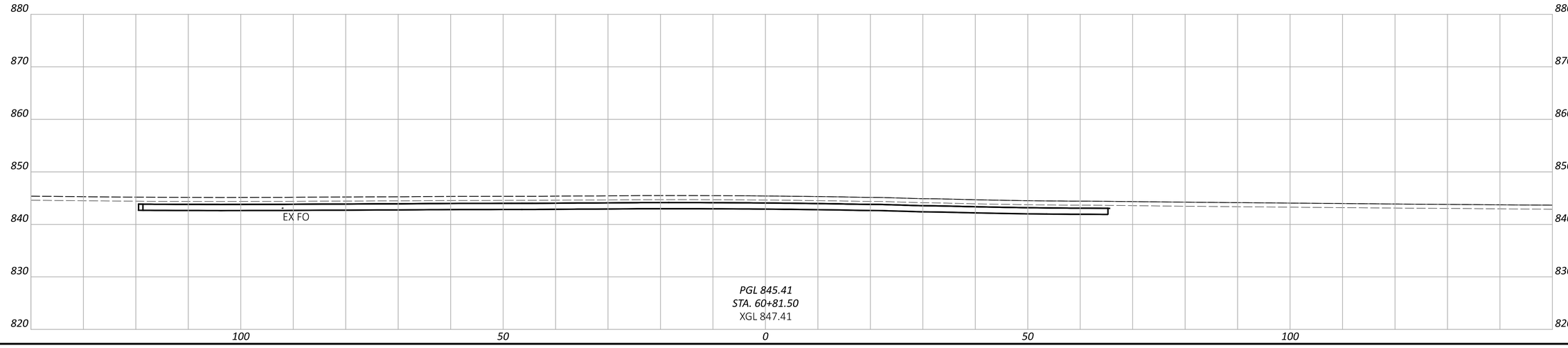

CROSS SECTIONS - RAMP C
STA. 60+81.50 TO STA. 61+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - 60+81.50 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:03:25 AM USER: brieder
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DESIGN AGENCY
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DESIGNER
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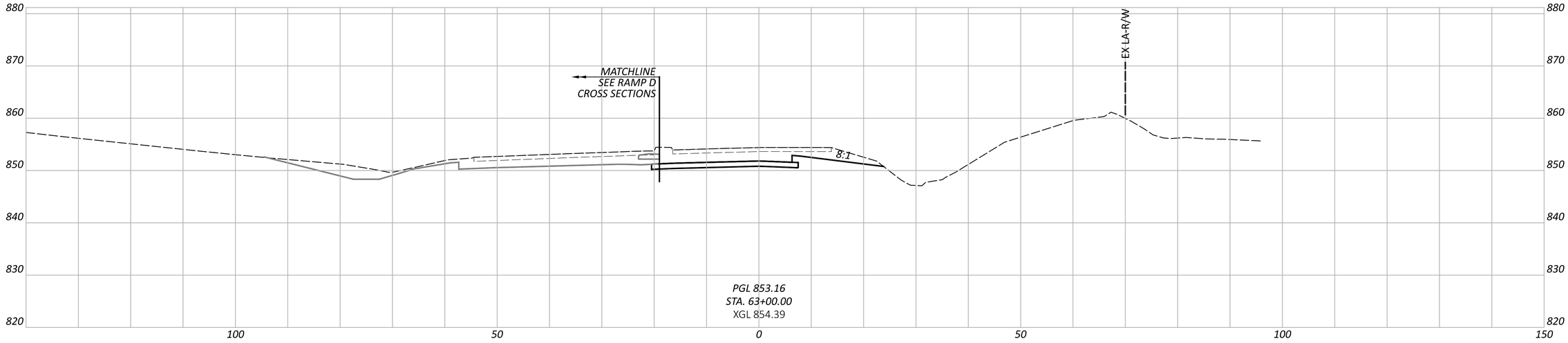
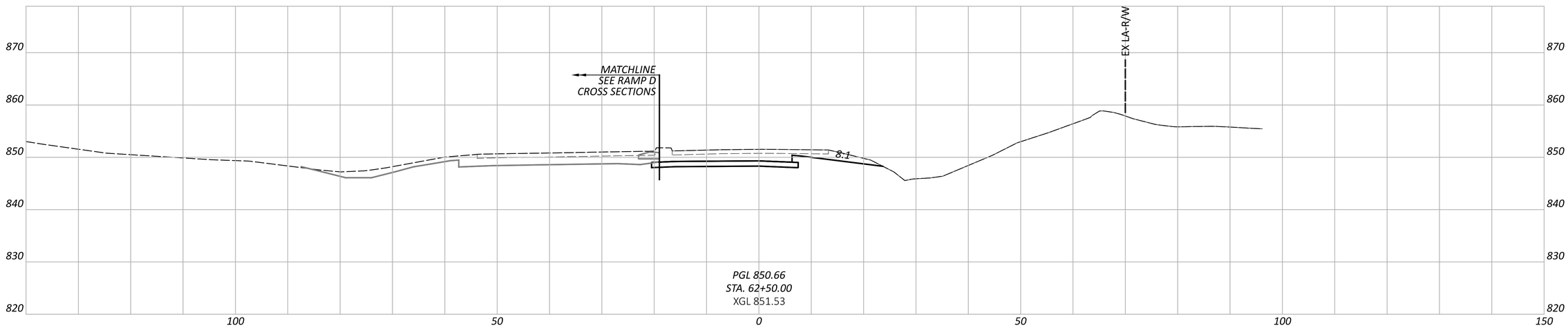
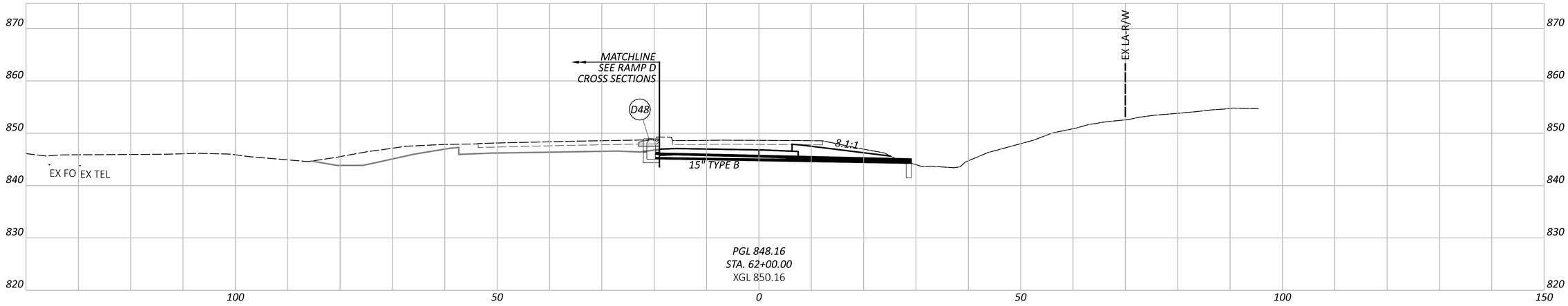
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0697 TOTAL P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP C
STA. 62+00.00 TO STA. 63+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - 62+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:03:44 AM USER: brieder
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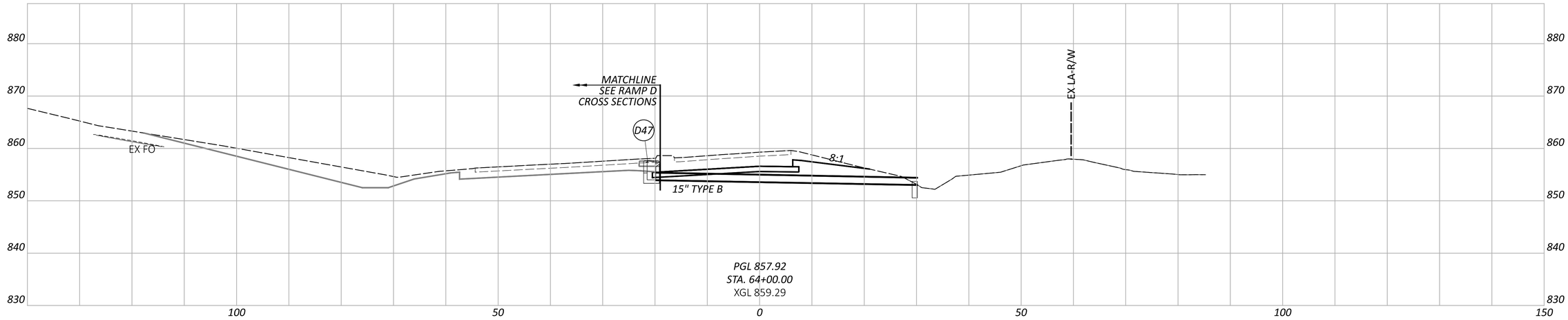
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

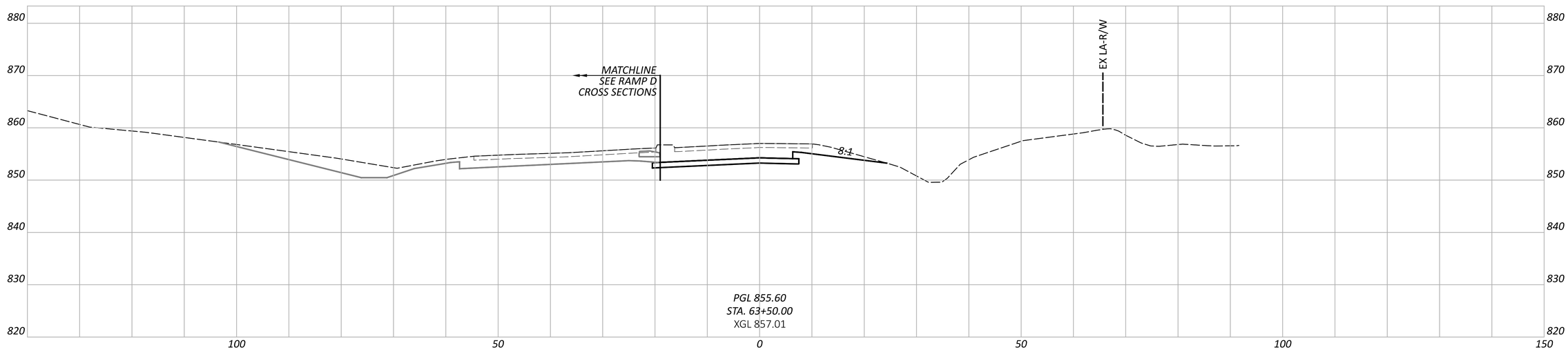
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0698 TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP C
STA. 63+50.00 TO STA. 64+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0699 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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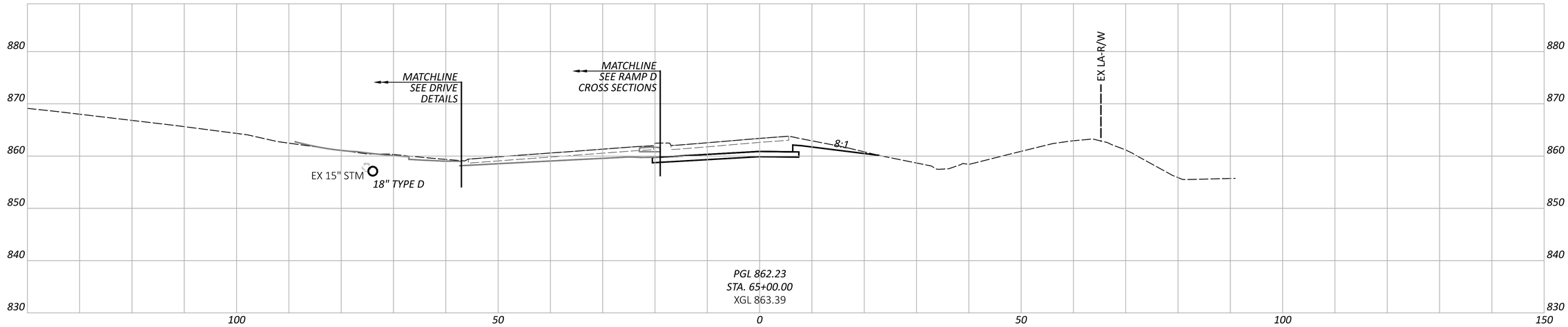

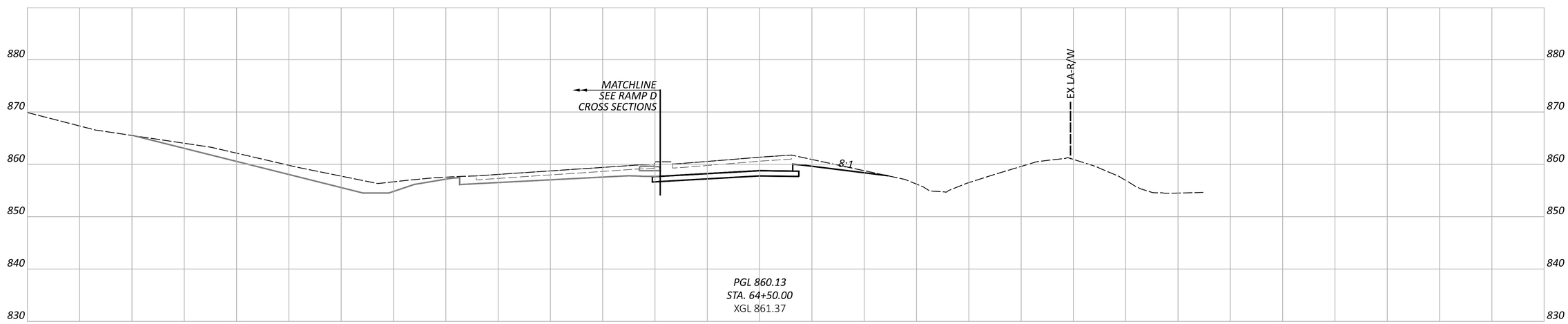

CROSS SECTIONS - RAMP C
STA. 64+50.00 TO STA. 65+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - 64+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:03:56 AM USER: brieder
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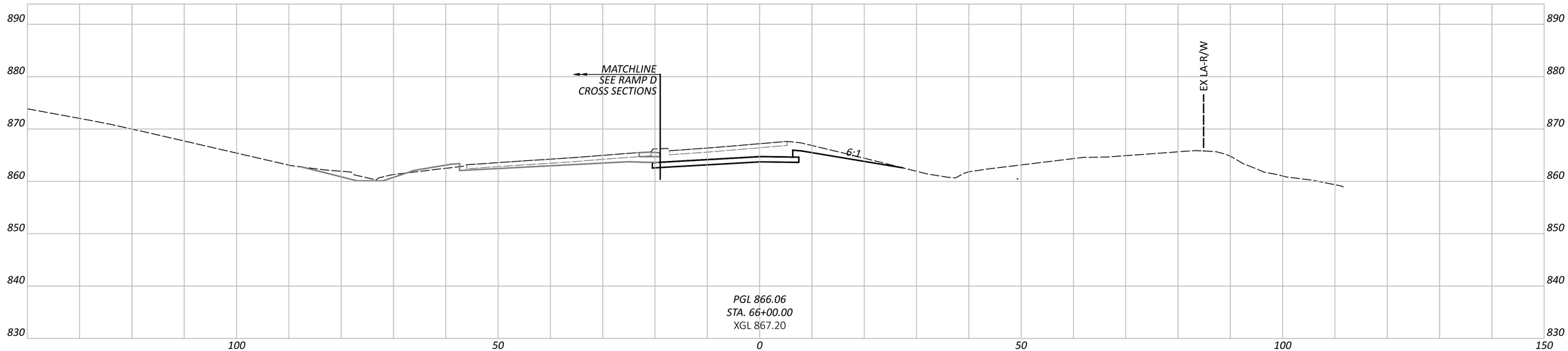
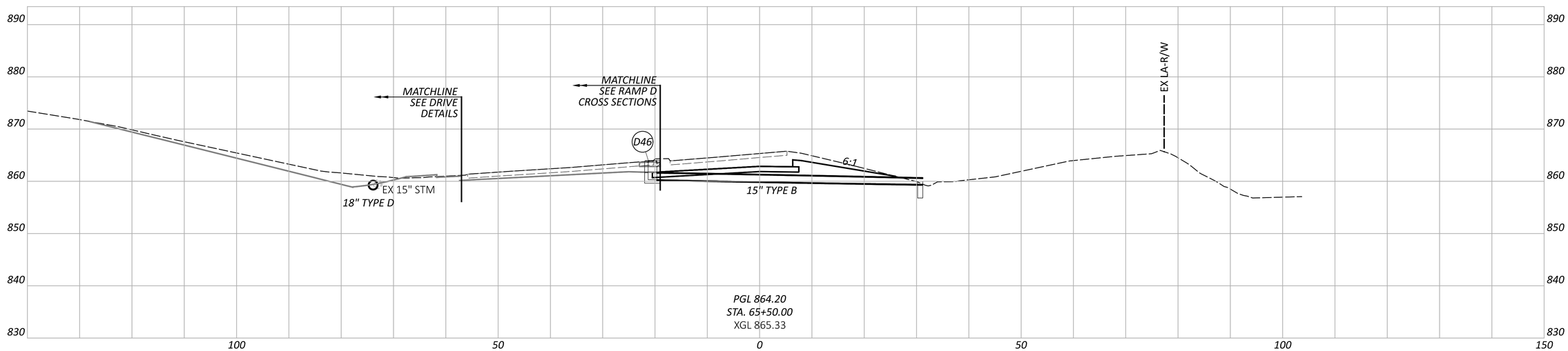
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0700
TOTAL	P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP C
STA. 65+50.00 TO STA. 66+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0701 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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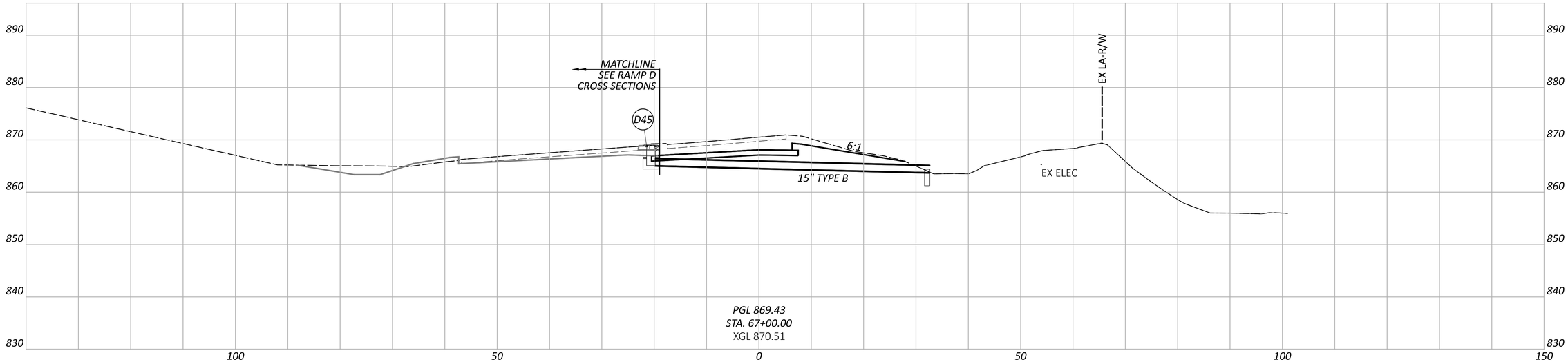

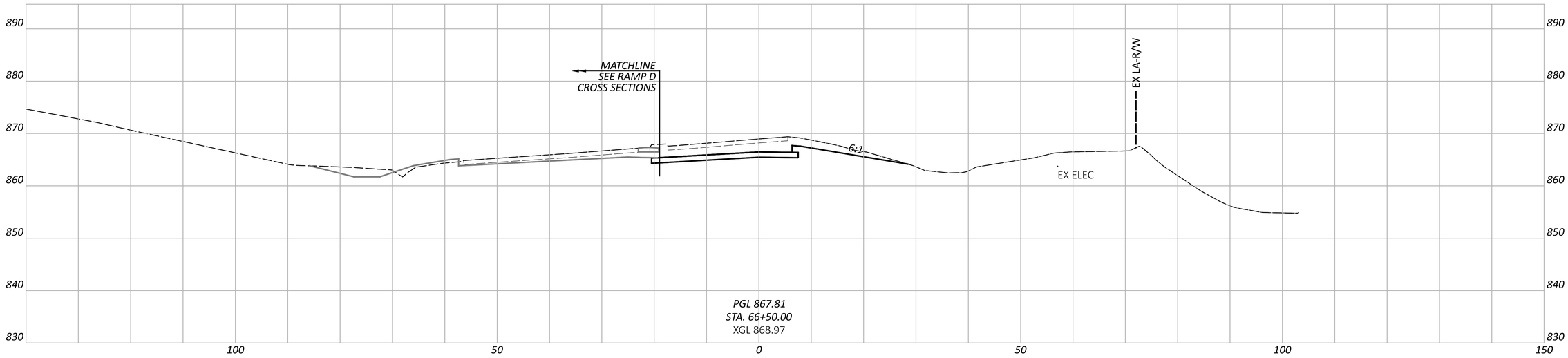

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP C
STA. 66+50.00 TO STA. 67+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0702 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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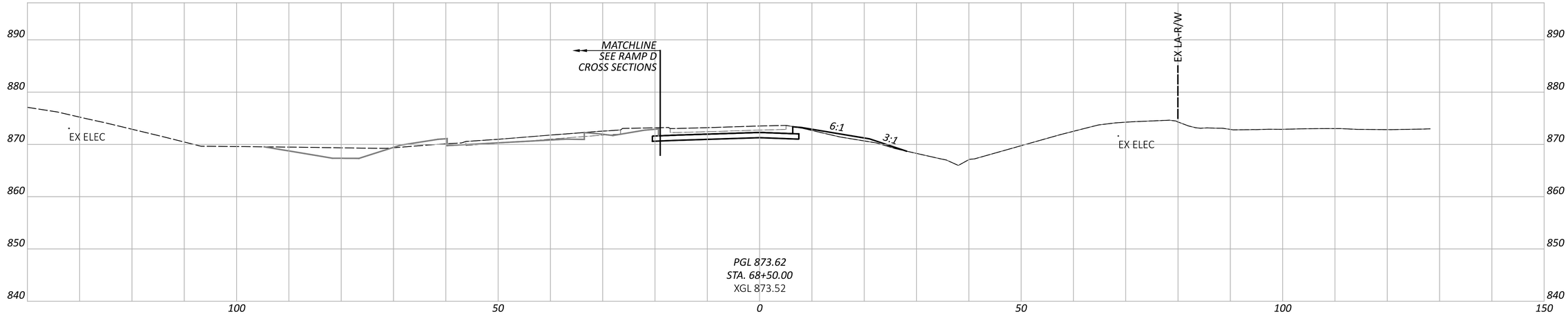

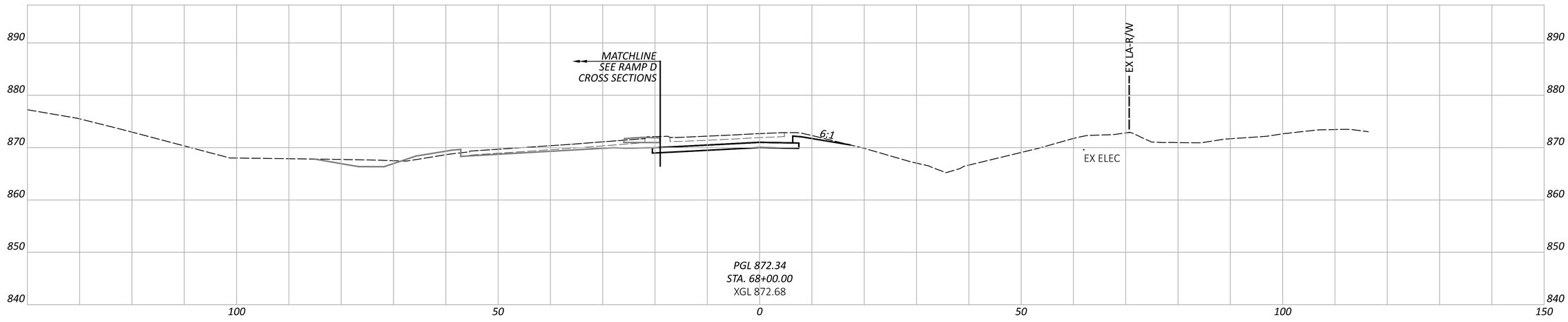

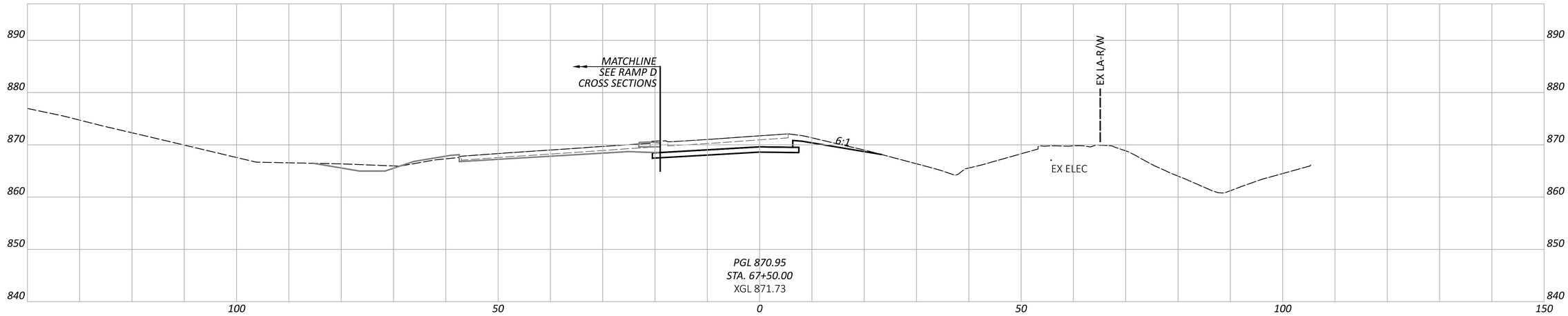

CROSS SECTIONS - RAMP C
STA. 67+50.00 TO STA. 68+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0703 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - 67+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:04:10 AM USER: brieder
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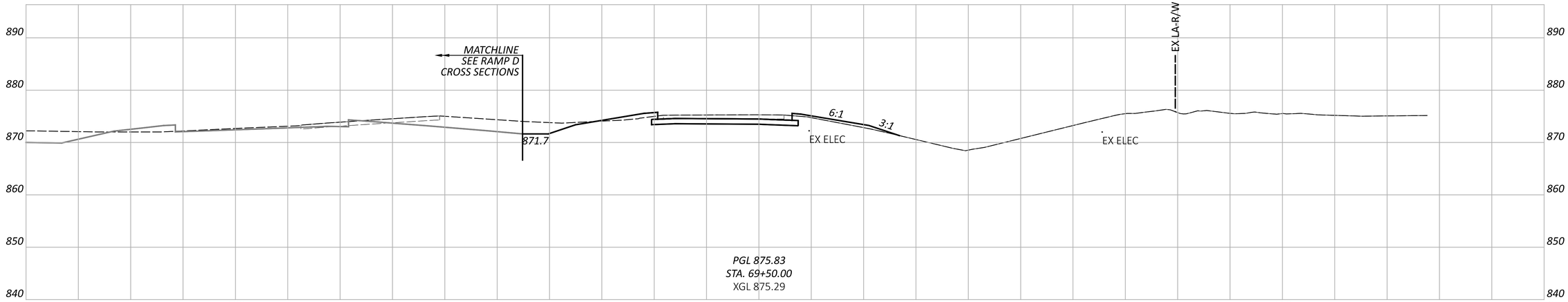
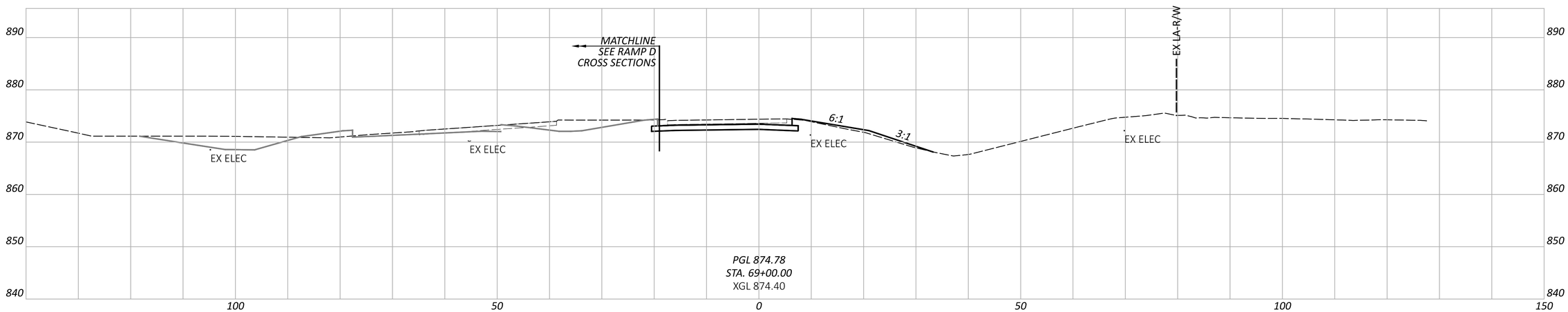
PGL 876.76
STA. 70+00.00
XGL 876.11



PGL 875.83
STA. 69+50.00
XGL 875.29



PGL 874.78
STA. 69+00.00
XGL 874.40

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP C
STA. 69+00.00 TO STA. 70+00.00

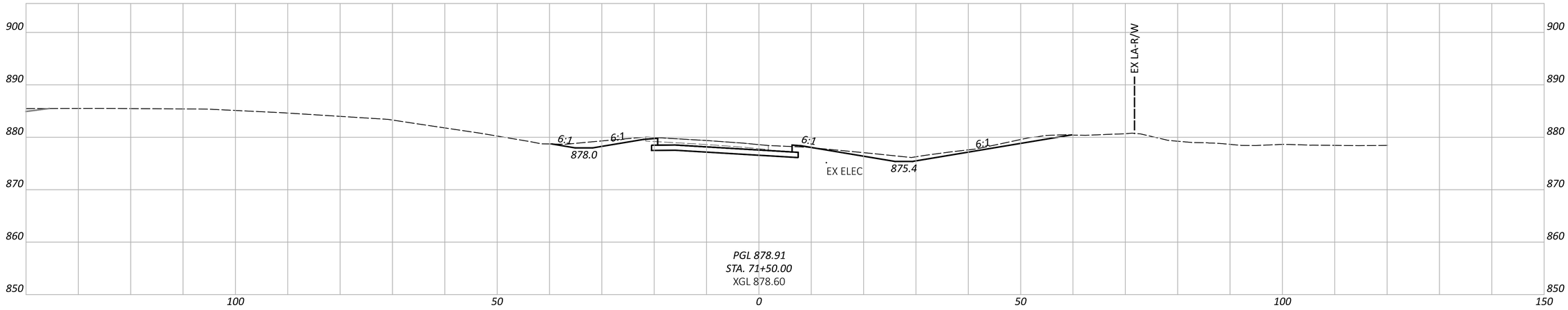
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

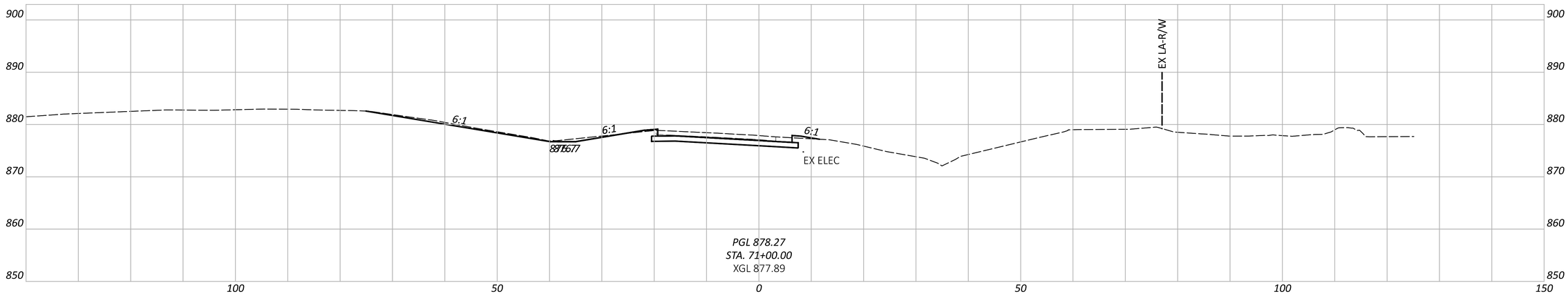
DESIGNER
BER

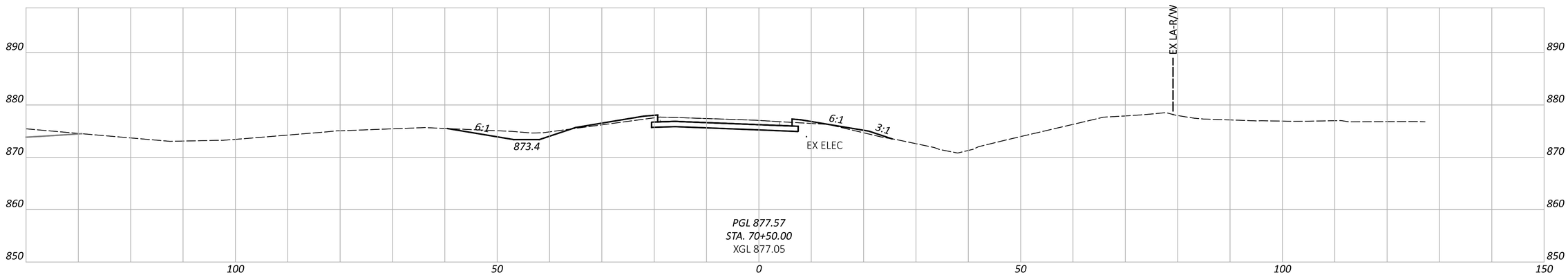
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0704 TOTAL P.1556







CROSS SECTIONS - RAMP C
STA. 70+50.00 TO STA. 71+50.00

FAI/LIC-IR 70-0.00/0.00

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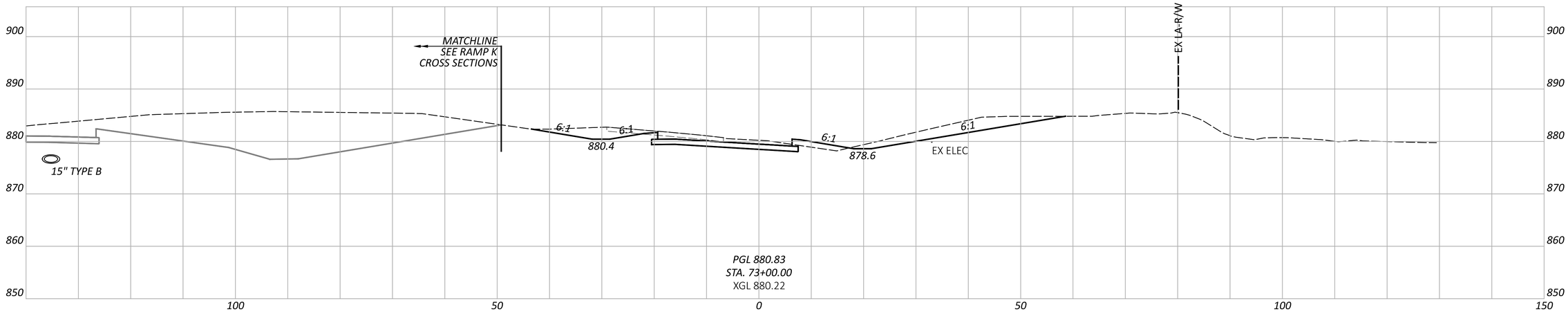
DESIGN AGENCY
STRUCTUREPOINT INC.

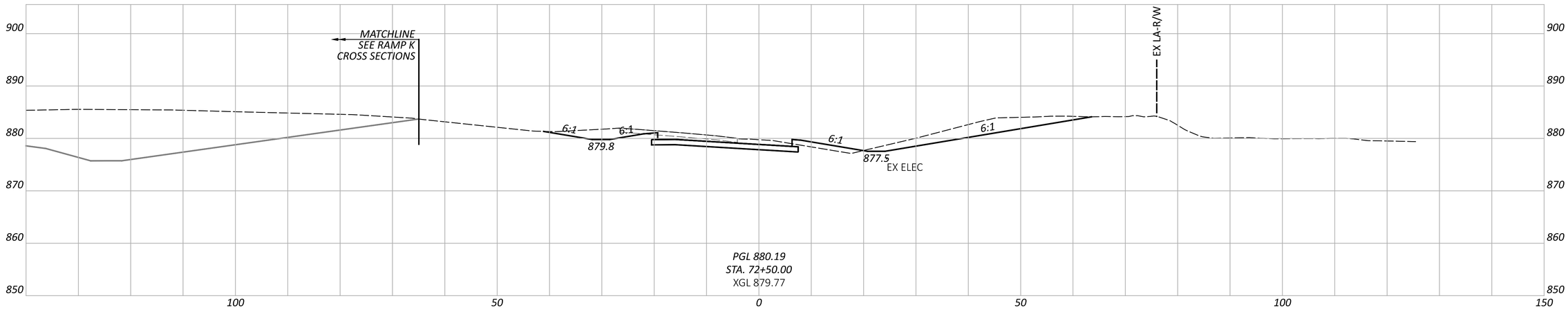
DESIGNER
BER

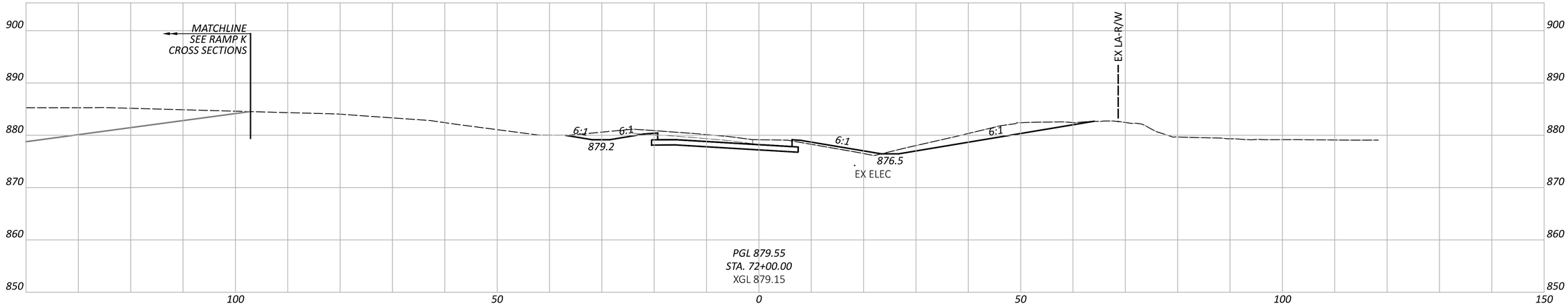
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0705 TOTAL P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP C
STA. 72+00.00 TO STA. 73+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - 72+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:04:30 AM USER: brieder
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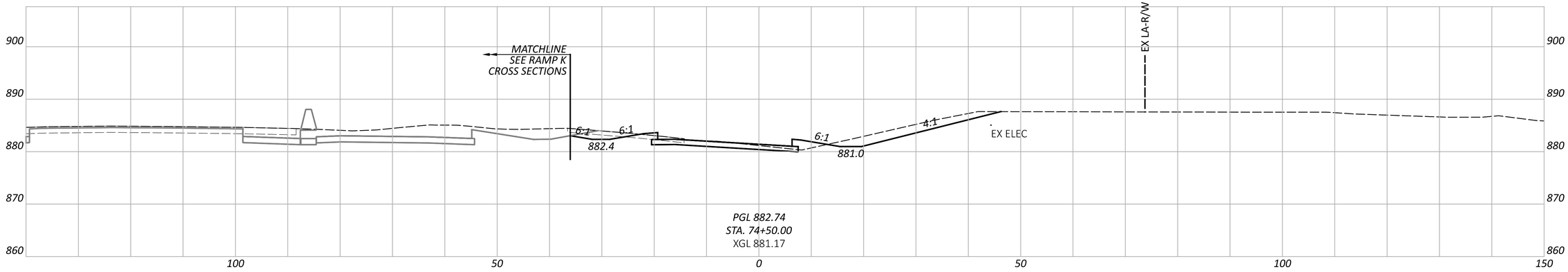
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

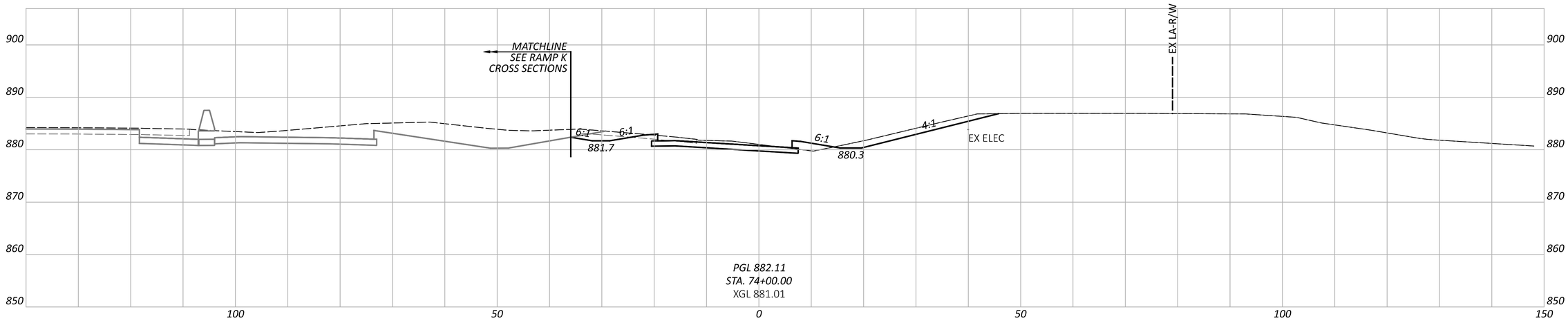
DESIGNER
BER

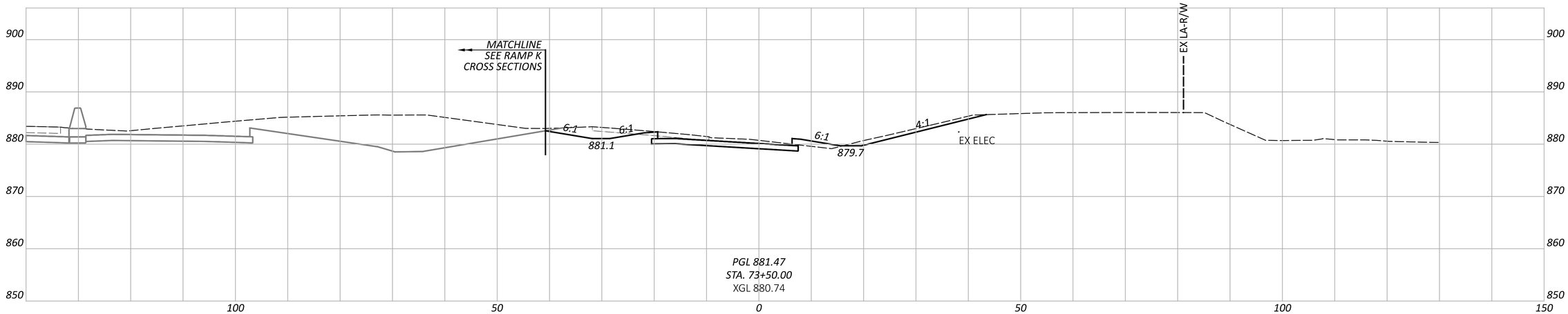
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0706 TOTAL P.1556







CROSS SECTIONS - RAMP C
STA. 73+50.00 TO STA. 74+50.00

FAI/LIC-IR 70-0.00/0.00

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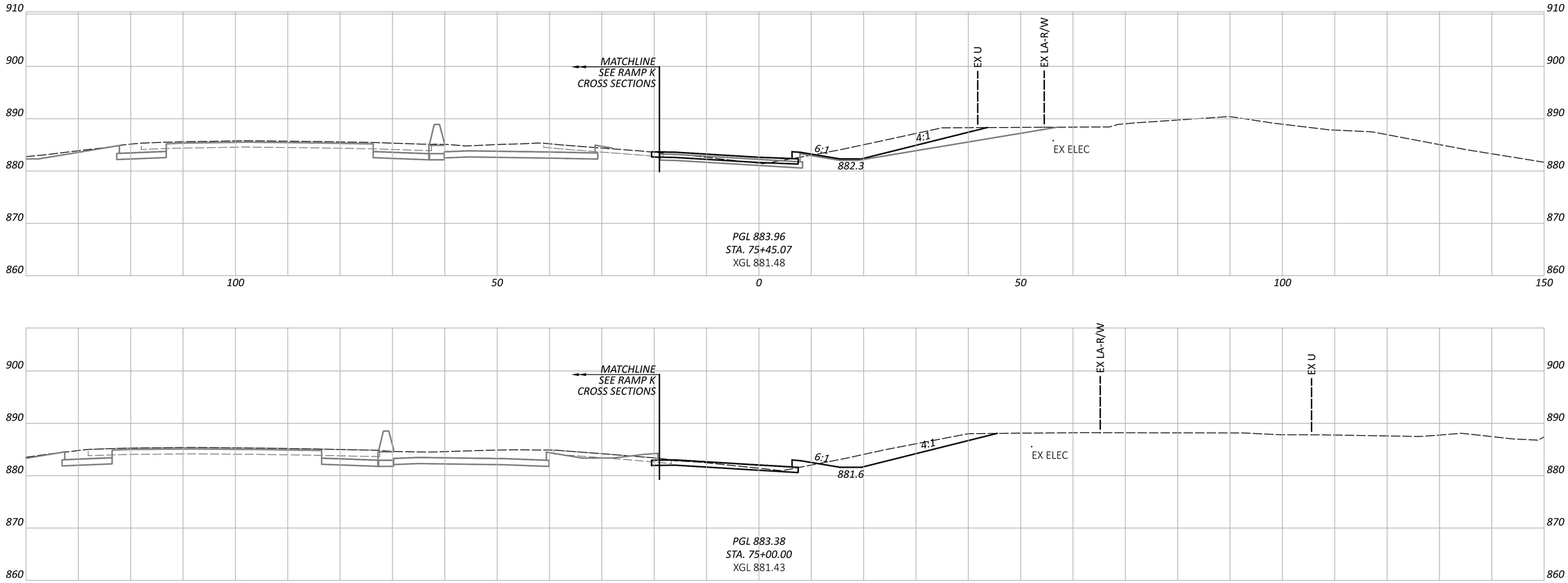
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0707 TOTAL P.1556



CROSS SECTIONS - RAMP C
STA. 75+00.00 TO STA. 75+45.07

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - 75+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:04:42 AM USER: brieder
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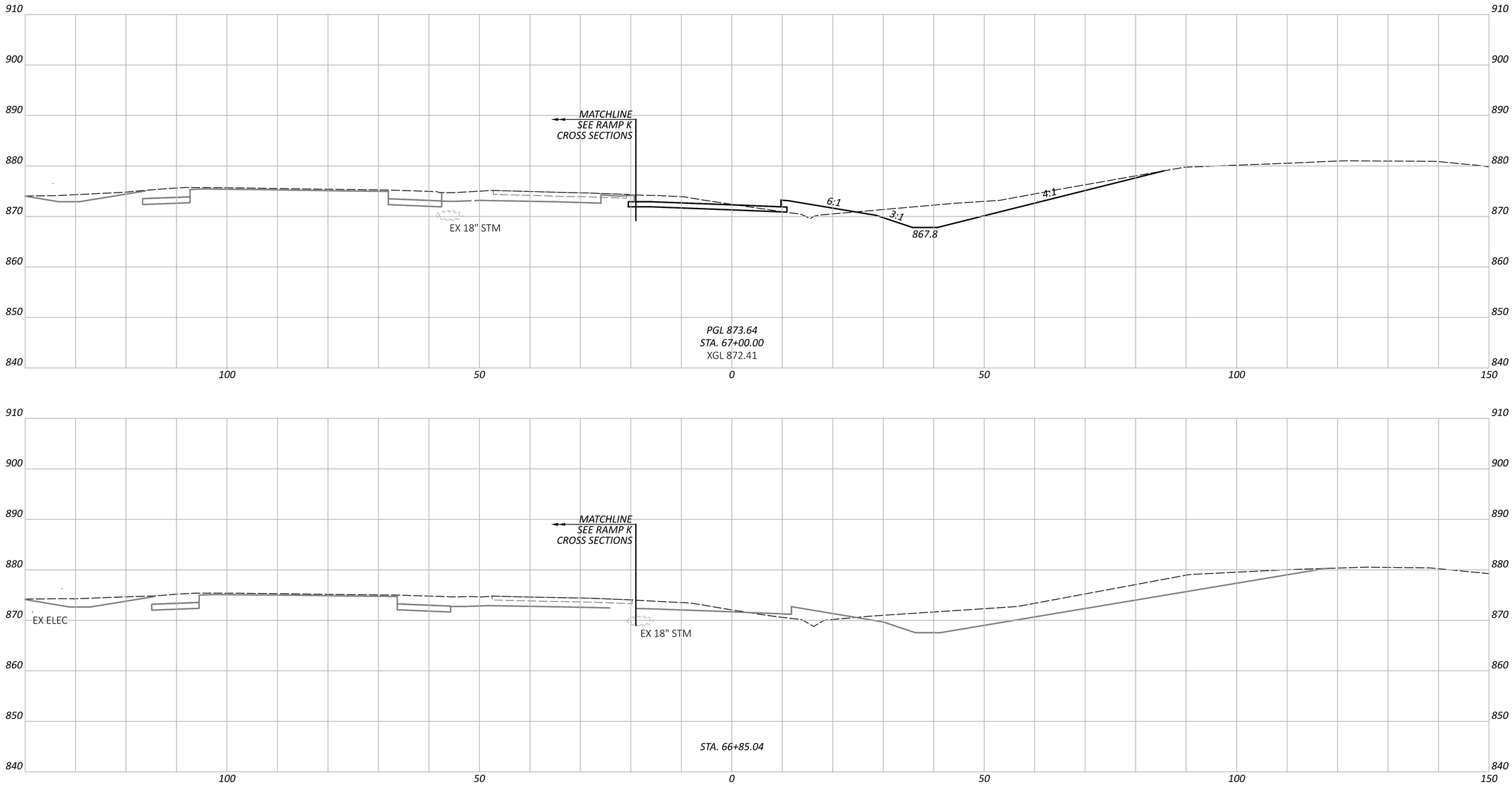
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0708
TOTAL	P.1556



CROSS SECTIONS - RAMP D
STA. 66+85.04 TO STA. 67+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 66+85.04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:05:02 AM USER: brieder
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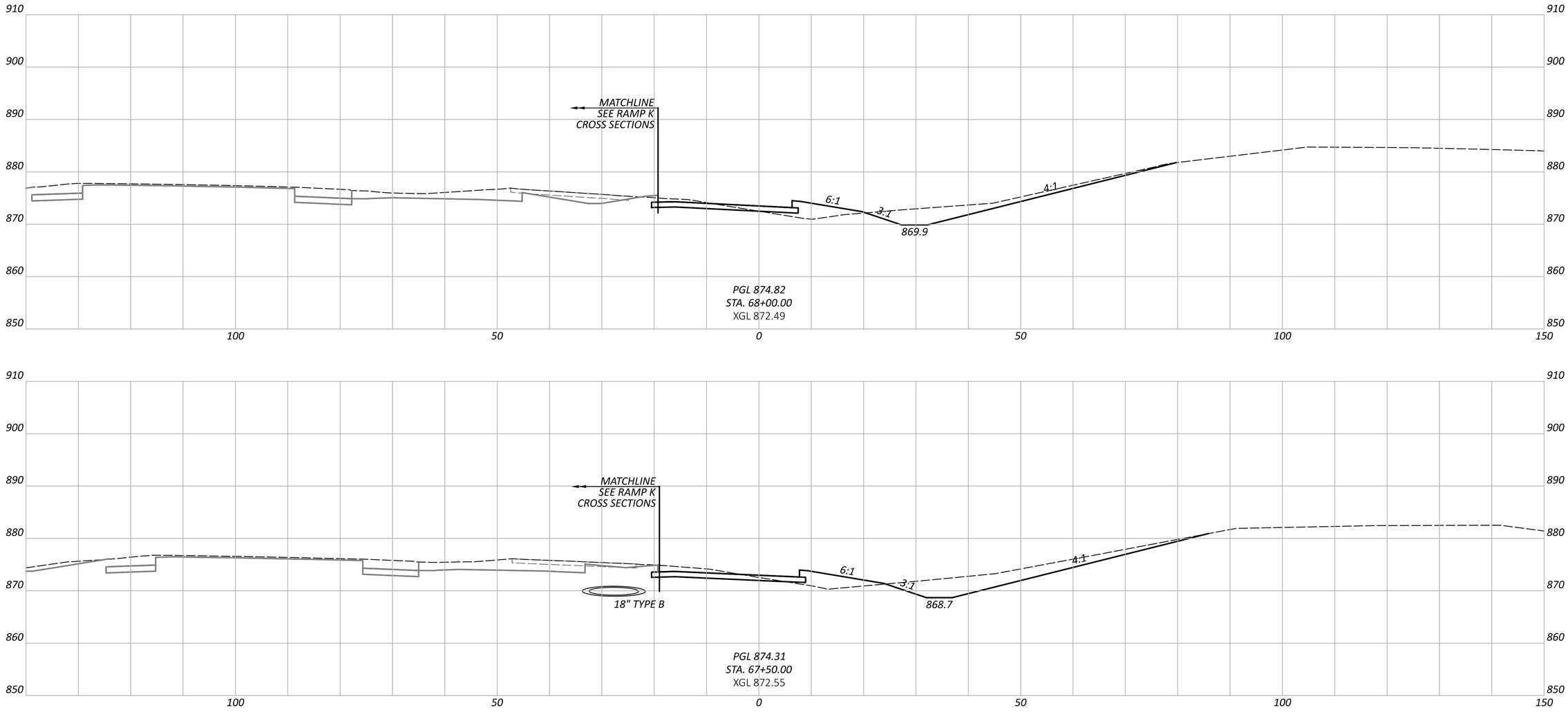
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0709 TOTAL P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP D
STA. 67+50.00 TO STA. 68+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070D - 67+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:05:19 AM USER: brieder
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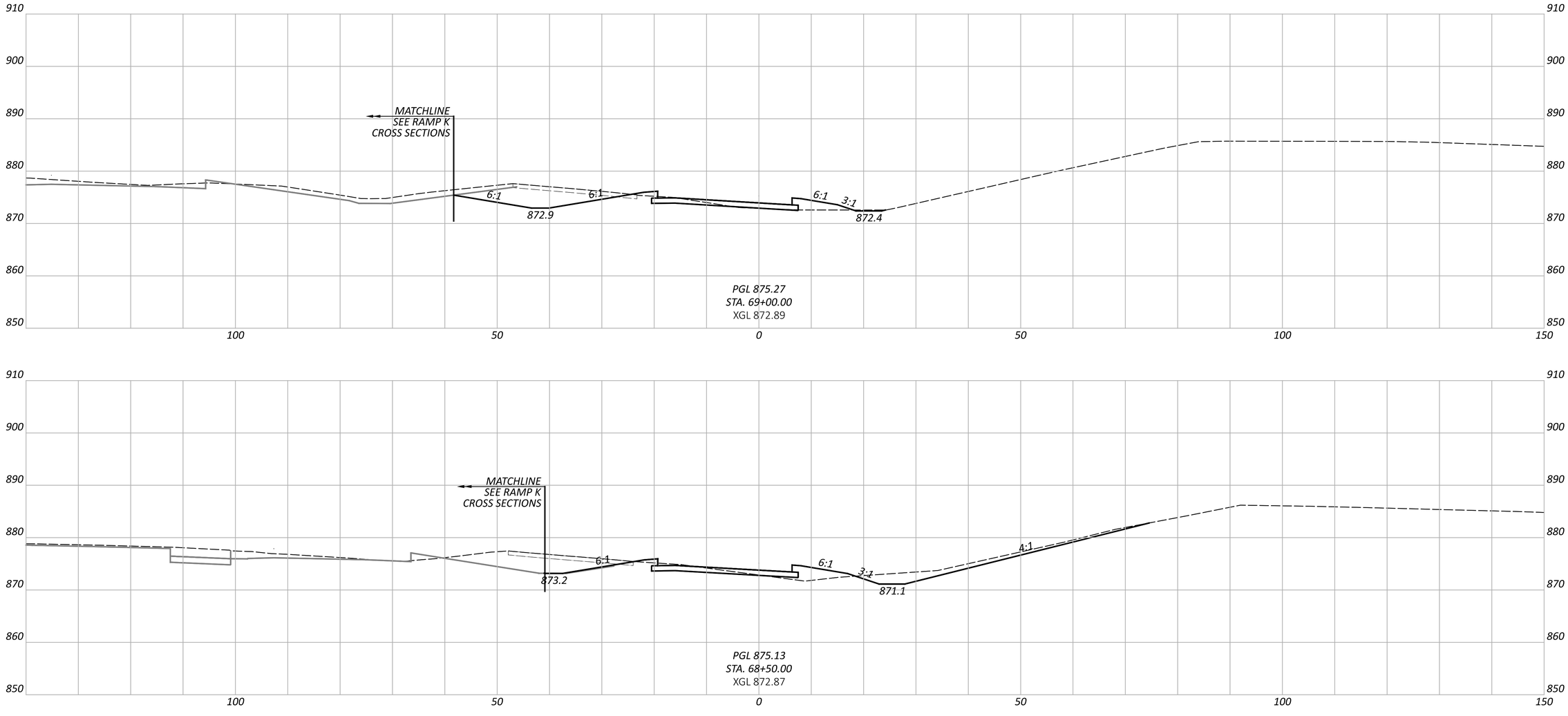
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0710 TOTAL P.1556



CROSS SECTIONS - RAMP D
STA. 68+50.00 TO STA. 69+00.00

FAI/LIC-IR 70-0.00/0.00

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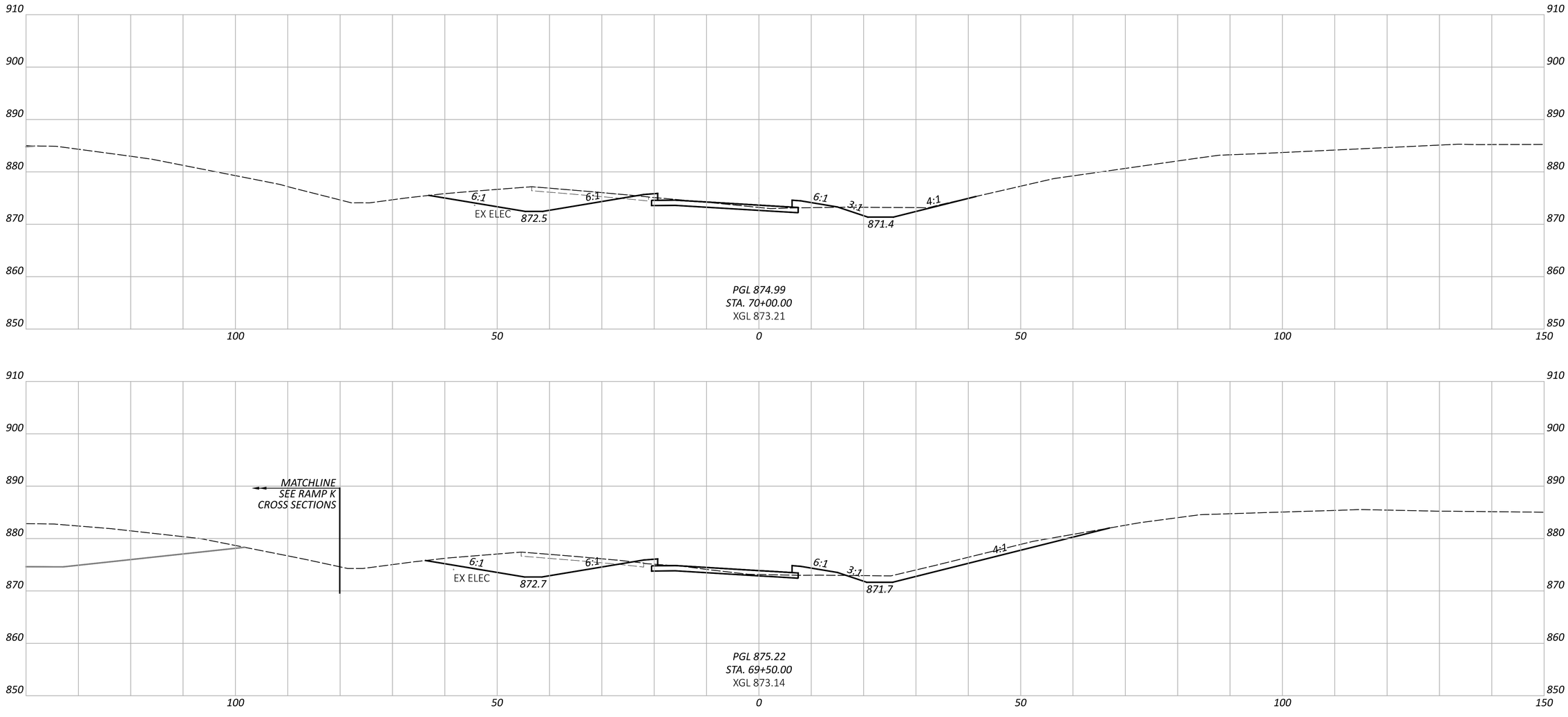
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0711 TOTAL P.1556



CROSS SECTIONS - RAMP D
STA. 69+50.00 TO STA. 70+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 69+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:05:34 AM USER: brieder
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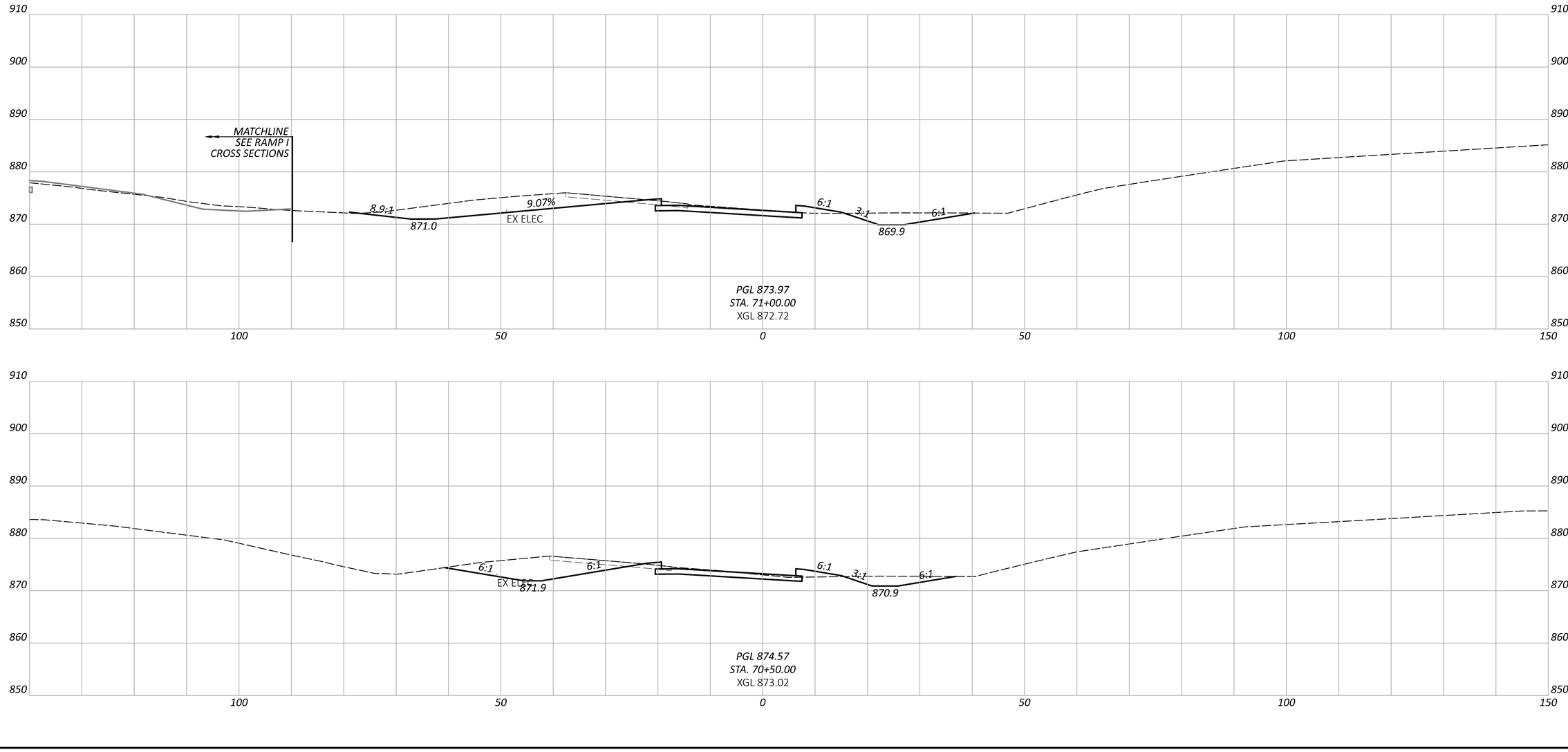
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0712 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP D
STA. 70+50.00 TO STA. 71+00.00

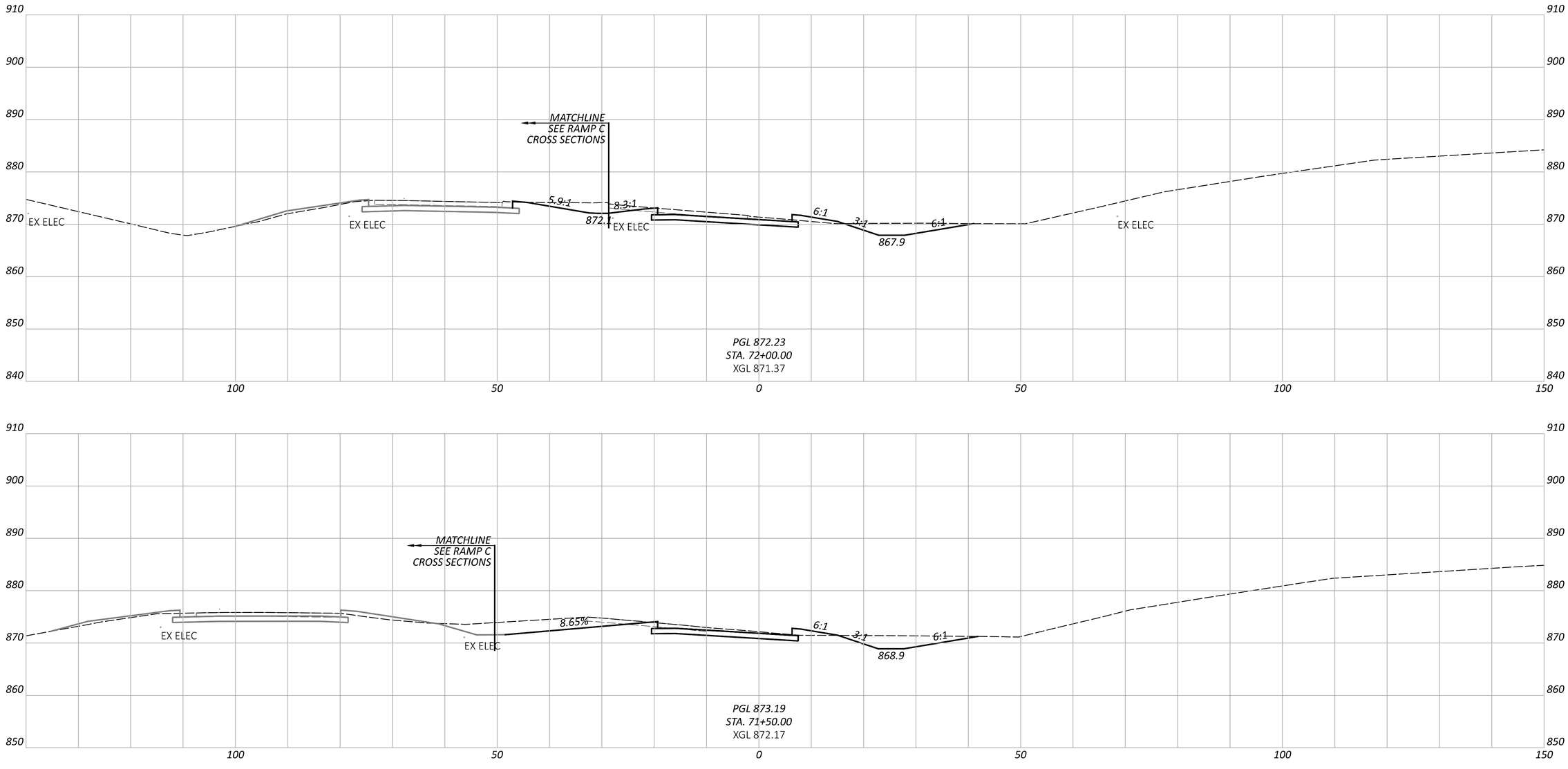
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0713 TOTAL P.1556



CROSS SECTIONS - RAMP D
STA. 71+50.00 TO STA. 72+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 71+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:05:46 AM USER: brieder
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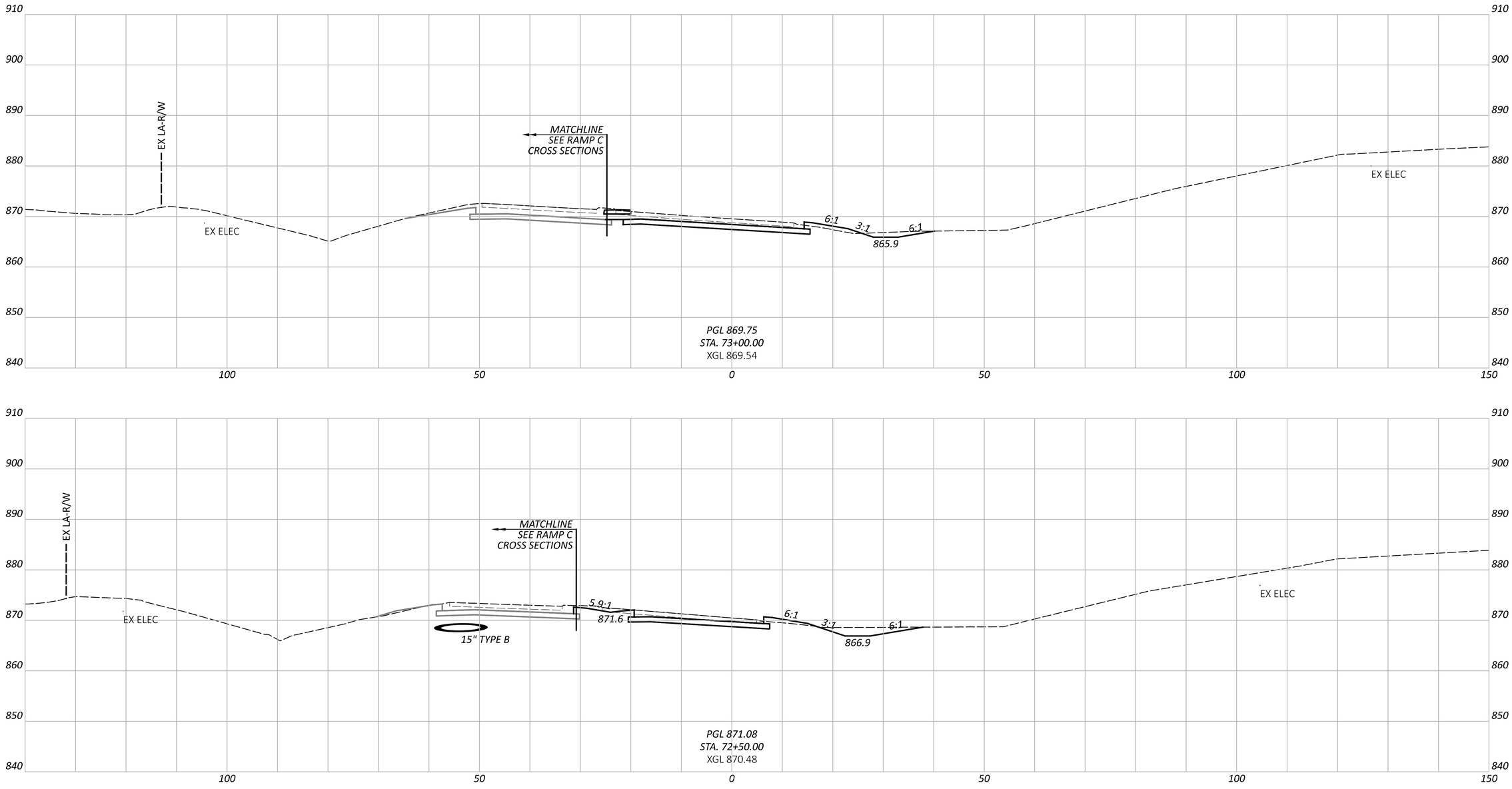
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0714
TOTAL	P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP D
STA. 72+50.00 TO STA. 73+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0715 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 72+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:05:51 AM USER: brieder
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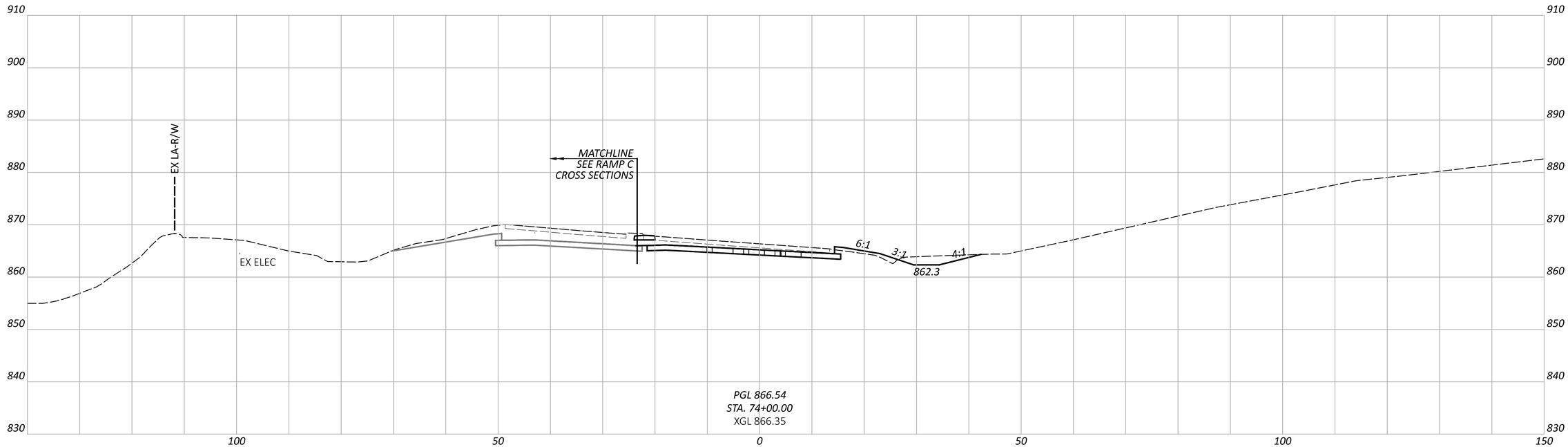

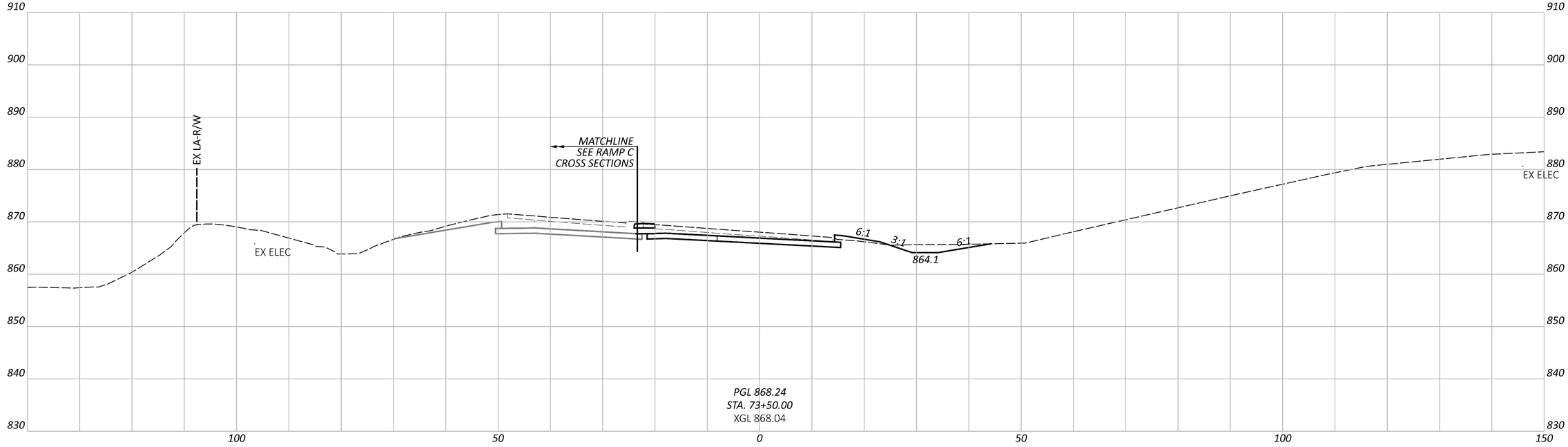

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP D
STA. 73+50.00 TO STA. 74+00.00

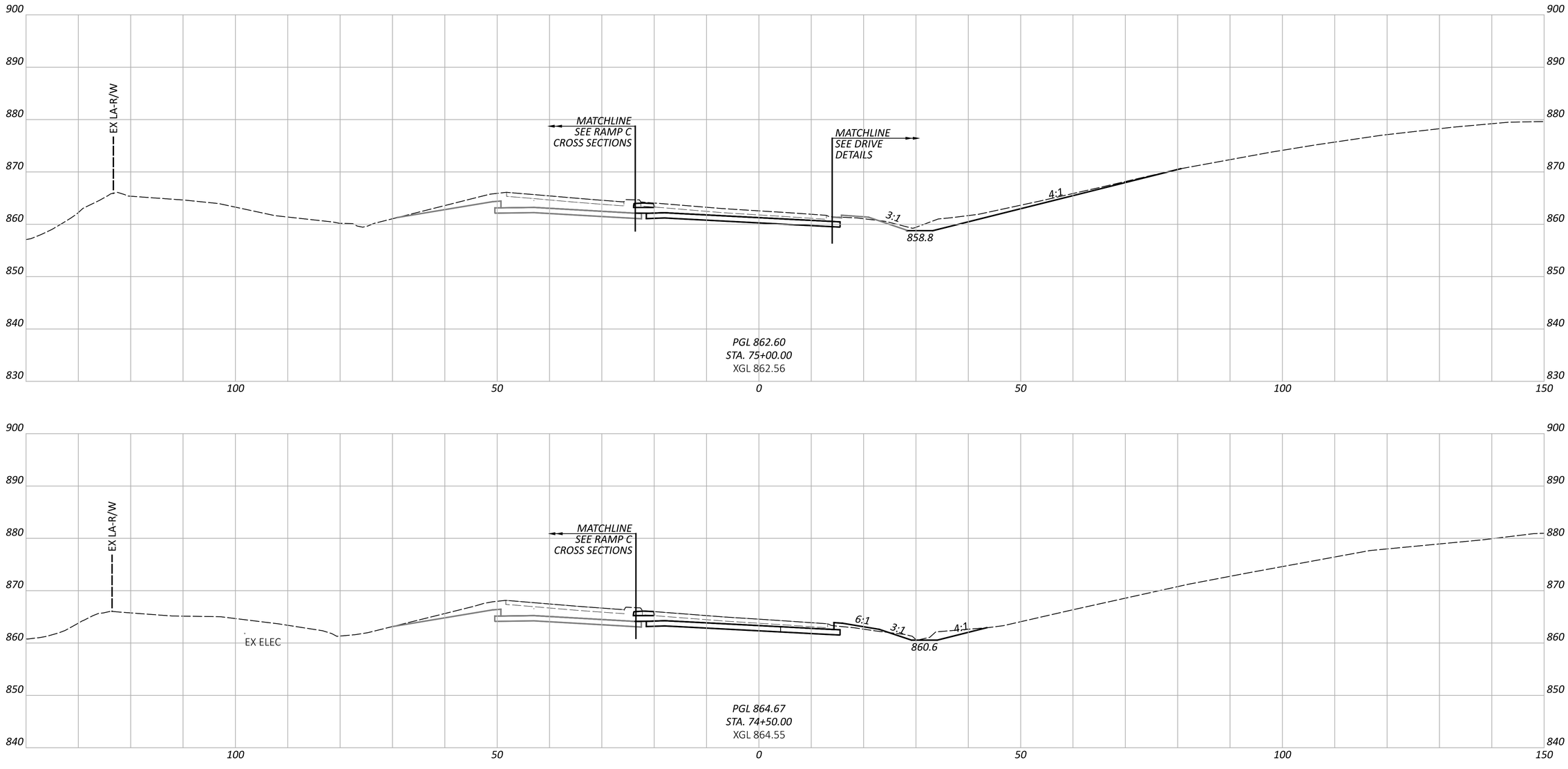
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0716 TOTAL P.1556



CROSS SECTIONS - RAMP D
STA. 74+50.00 TO STA. 75+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 74+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:06:04 AM USER: brieder
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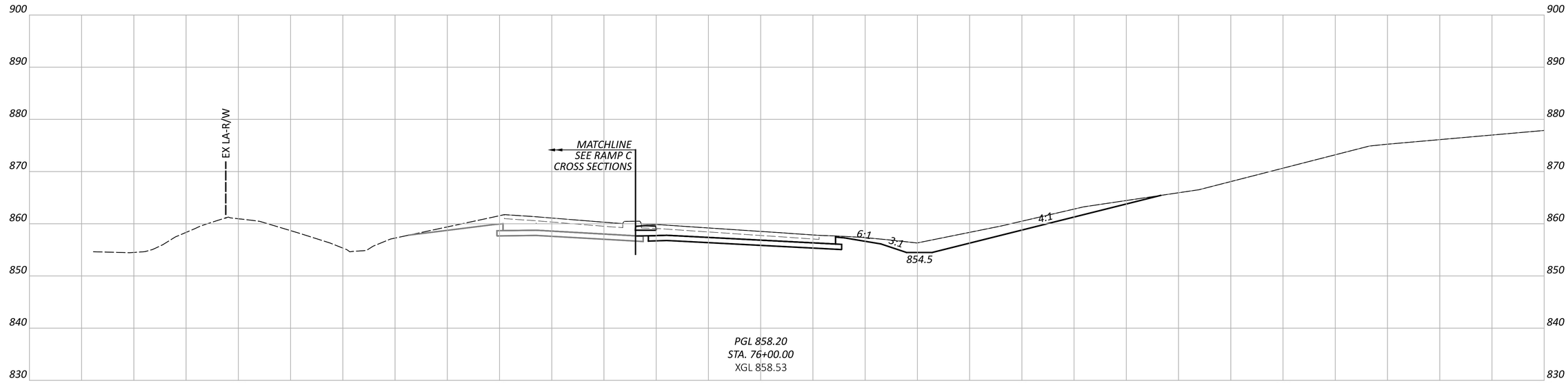
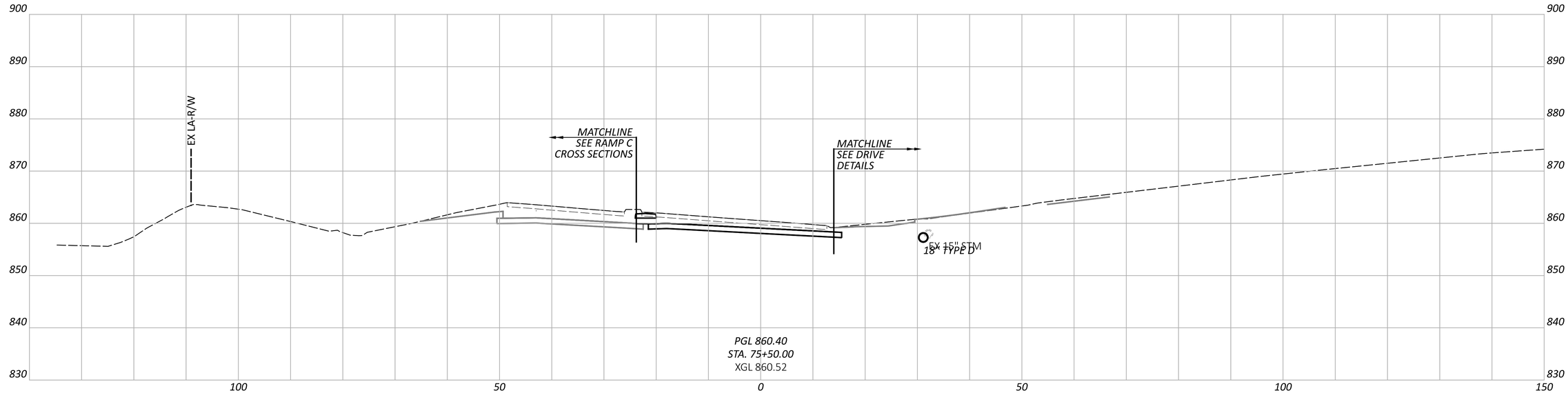
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0717
TOTAL	P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP D
STA. 75+50.00 TO STA. 76+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0718
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 75+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:06:09 AM USER: brieder
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CROSS SECTIONS - RAMP D
STA. 76+50.00 TO STA. 77+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070D - 76+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:06:15 AM USER: brieder
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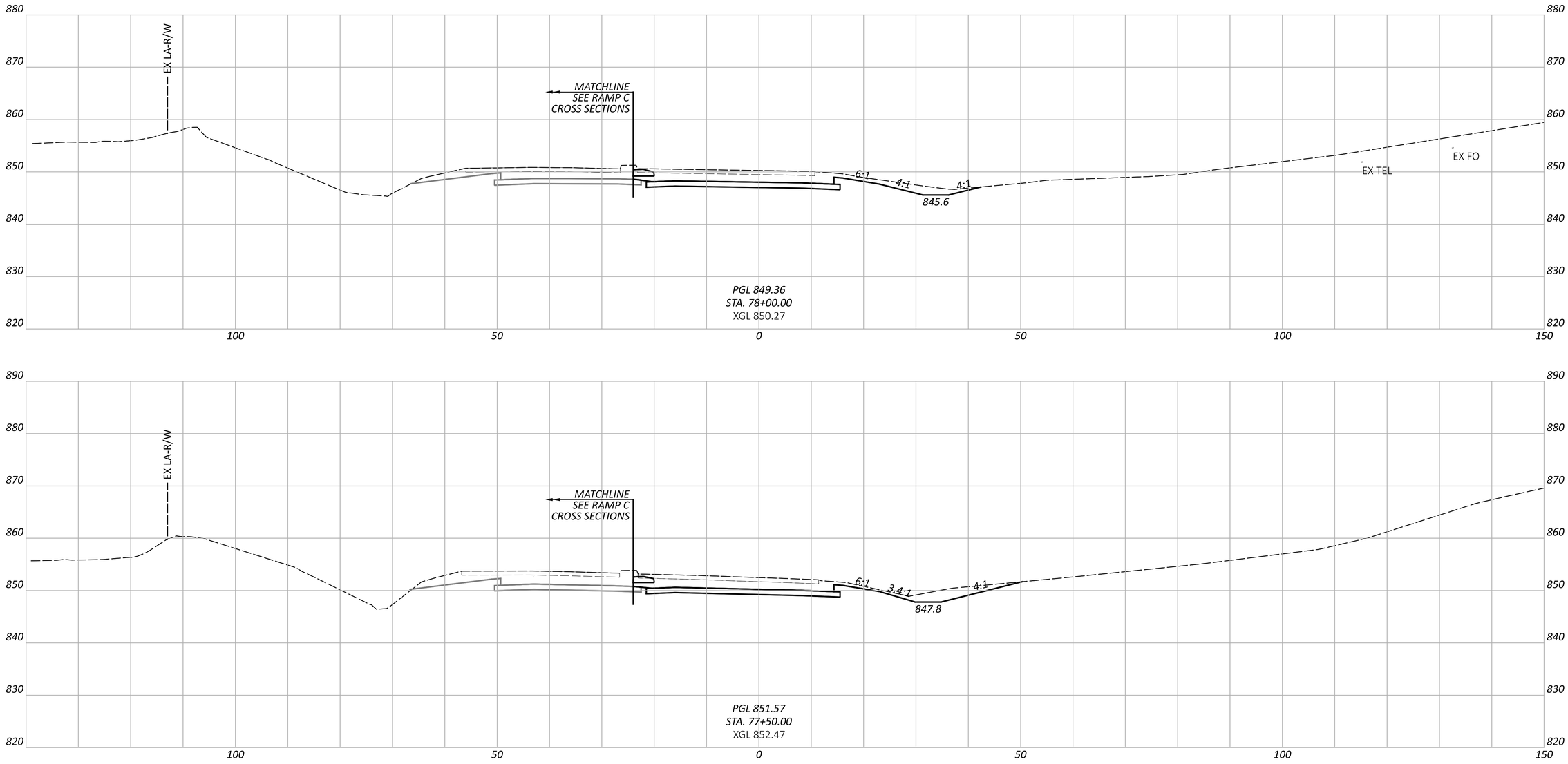
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0719 TOTAL P.1556



CROSS SECTIONS - RAMP D
STA. 77+50.00 TO STA. 78+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 77+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:06:20 AM USER: brieder
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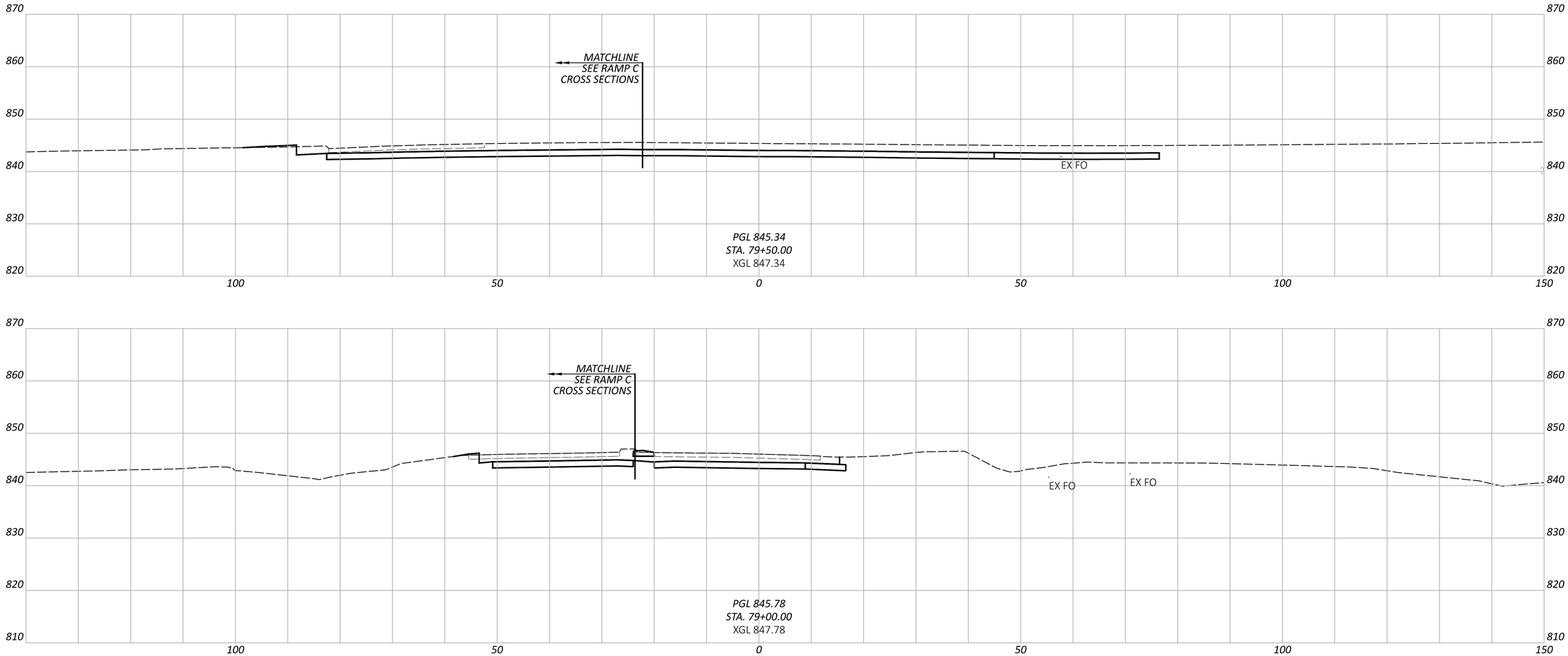
DESIGN AGENCY
STRUCTUREPOINT LLC

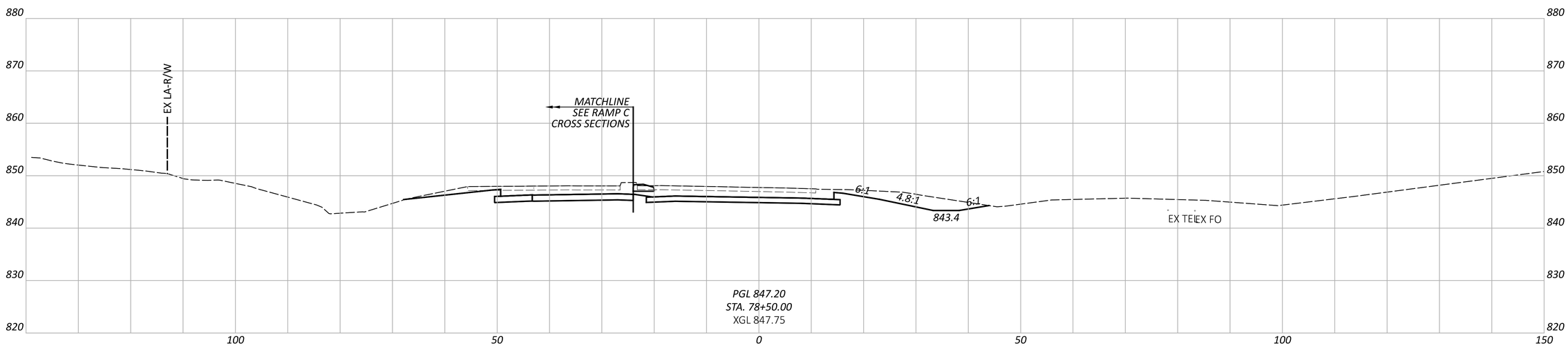
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0720 TOTAL P.1556





CROSS SECTIONS - RAMP D
STA. 78+50.00 TO STA. 79+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0721
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - 78+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:06:25 AM USER: brieder
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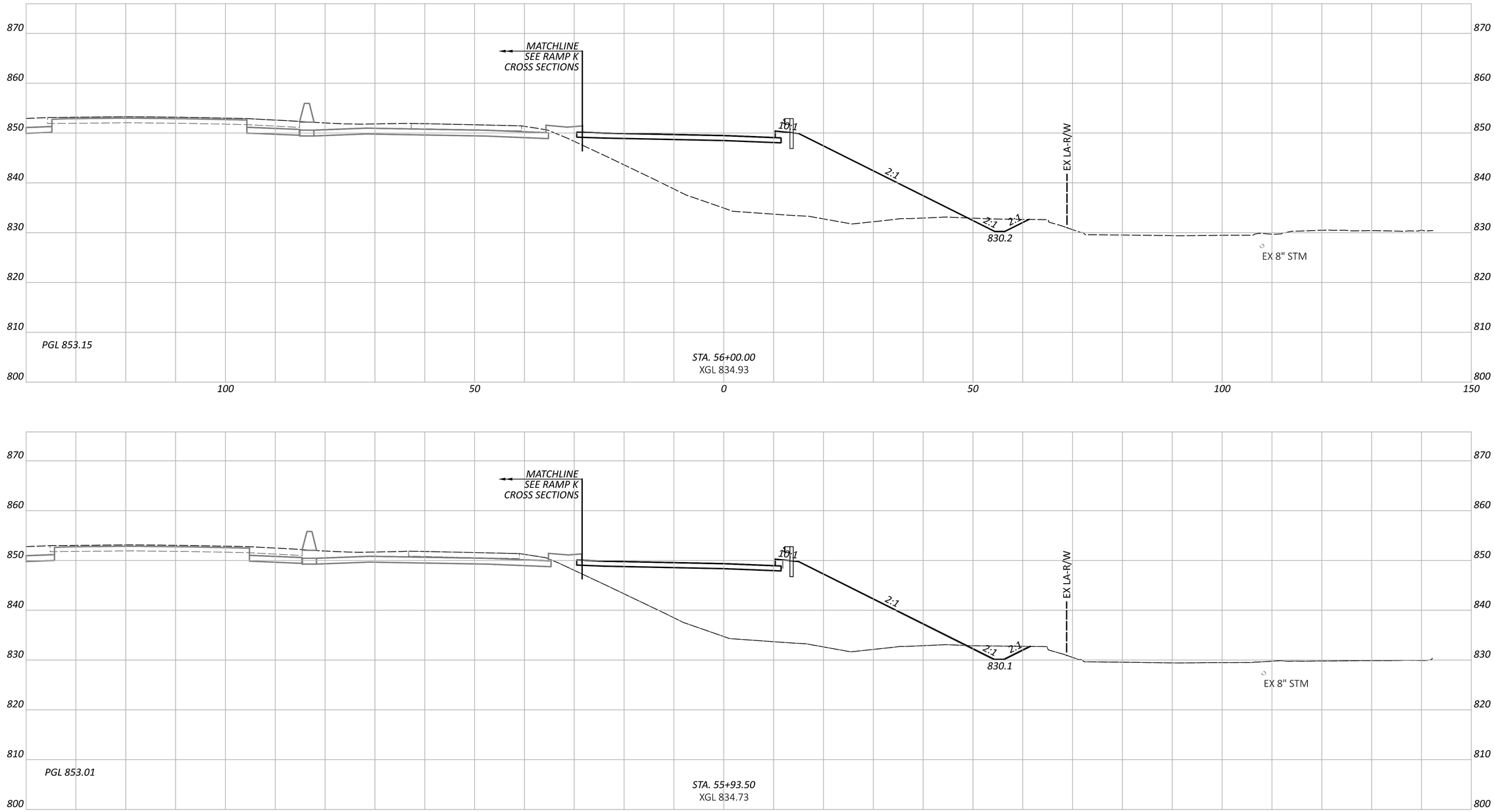

CROSS SECTIONS - RAMP E
STA. 55+93.50 TO STA. 56+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070E - 55+93.50 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:06:51 AM USER: brieder
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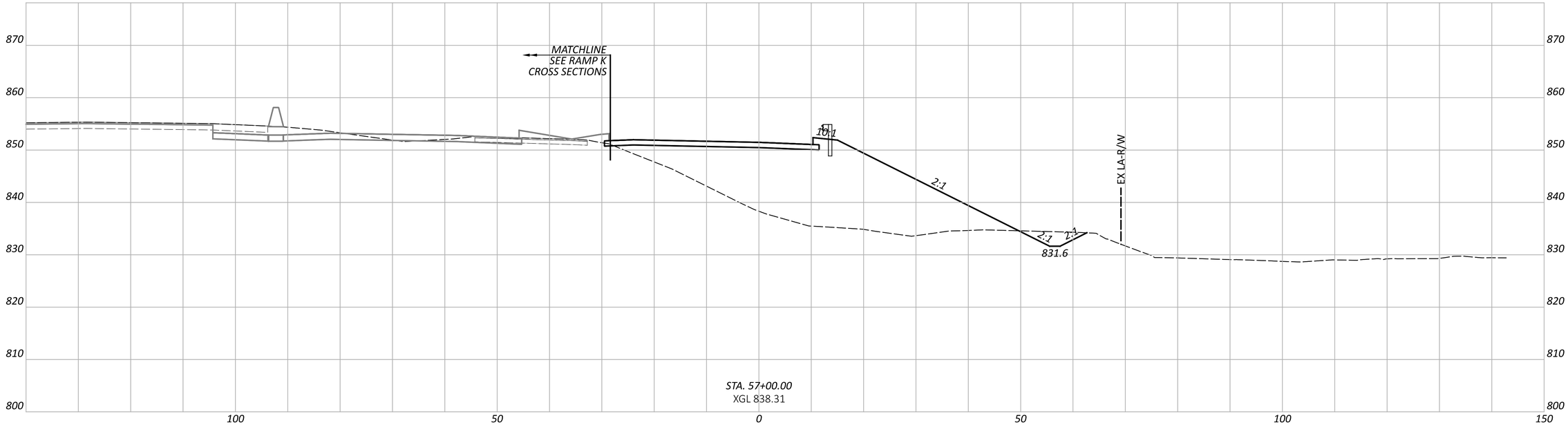
DESIGN AGENCY
STRUCTUREPOINT

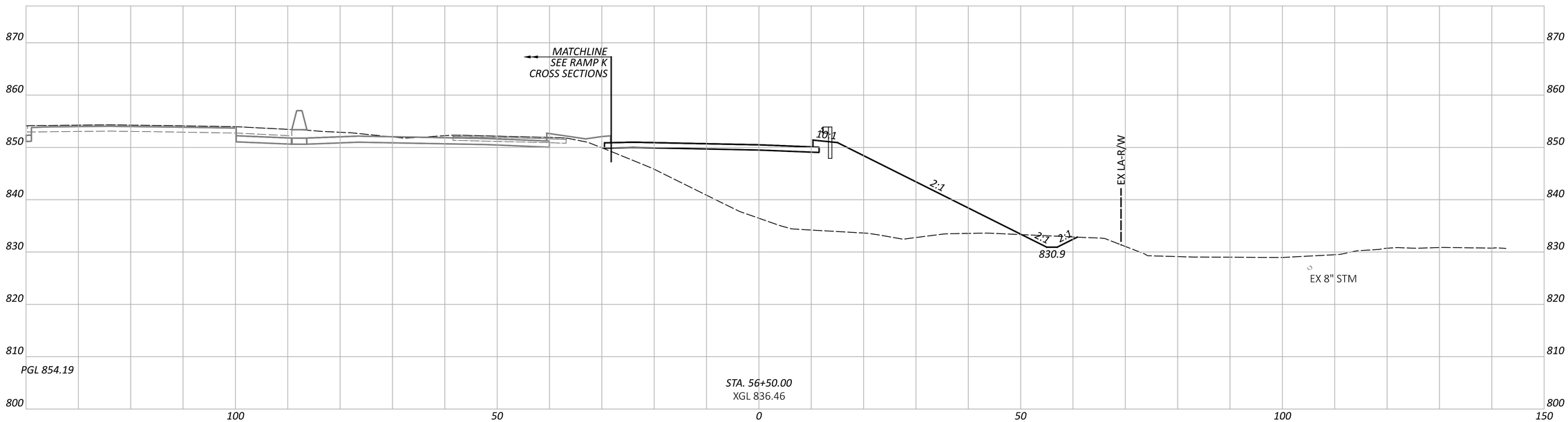
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0722 TOTAL P.1556





CROSS SECTIONS - RAMP E
STA. 56+50.00 TO STA. 57+00.00

DESIGN AGENCY
MICHAEL BAKER STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0723 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OE - 56+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:07:01 AM USER: brieder
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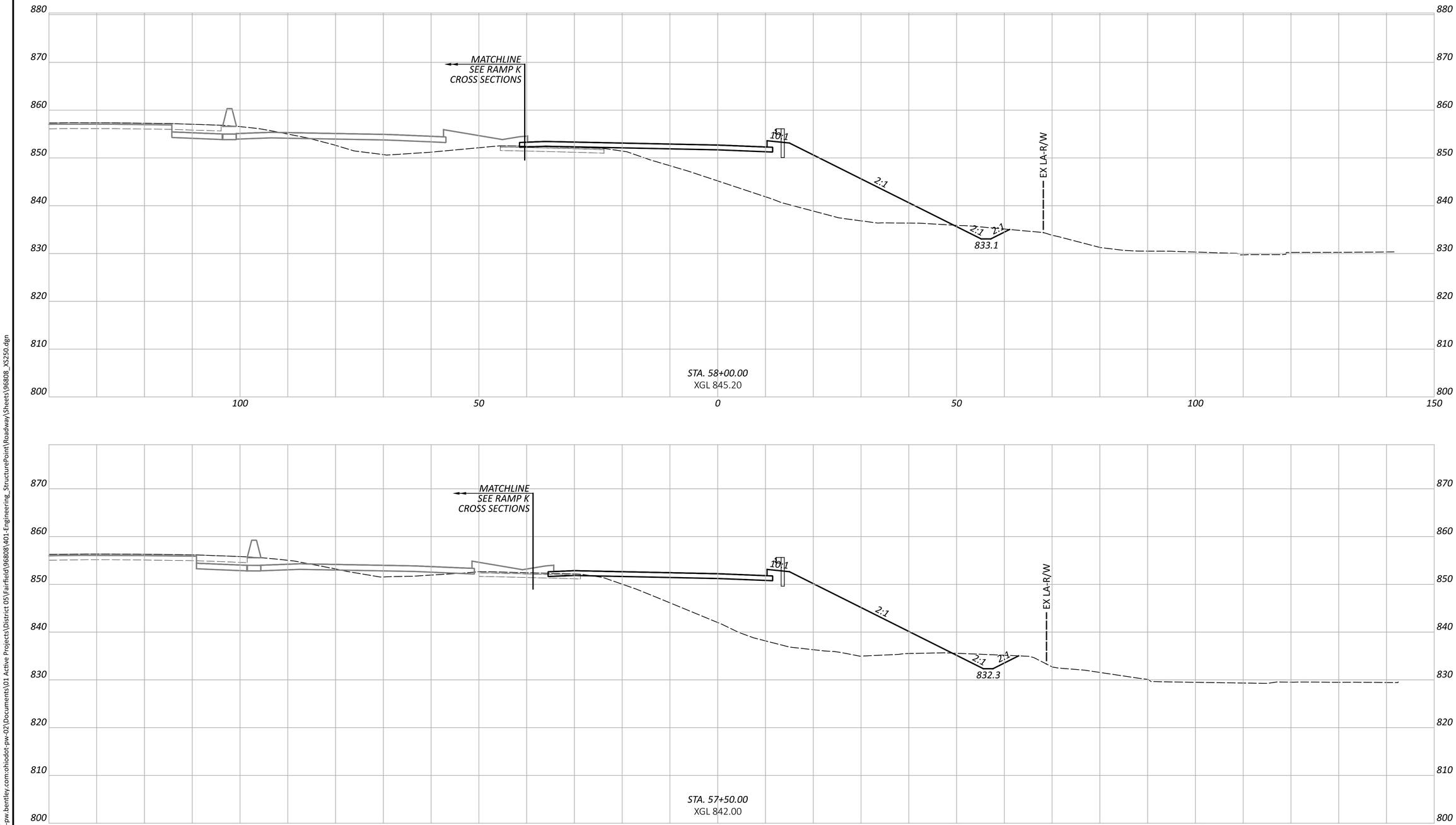


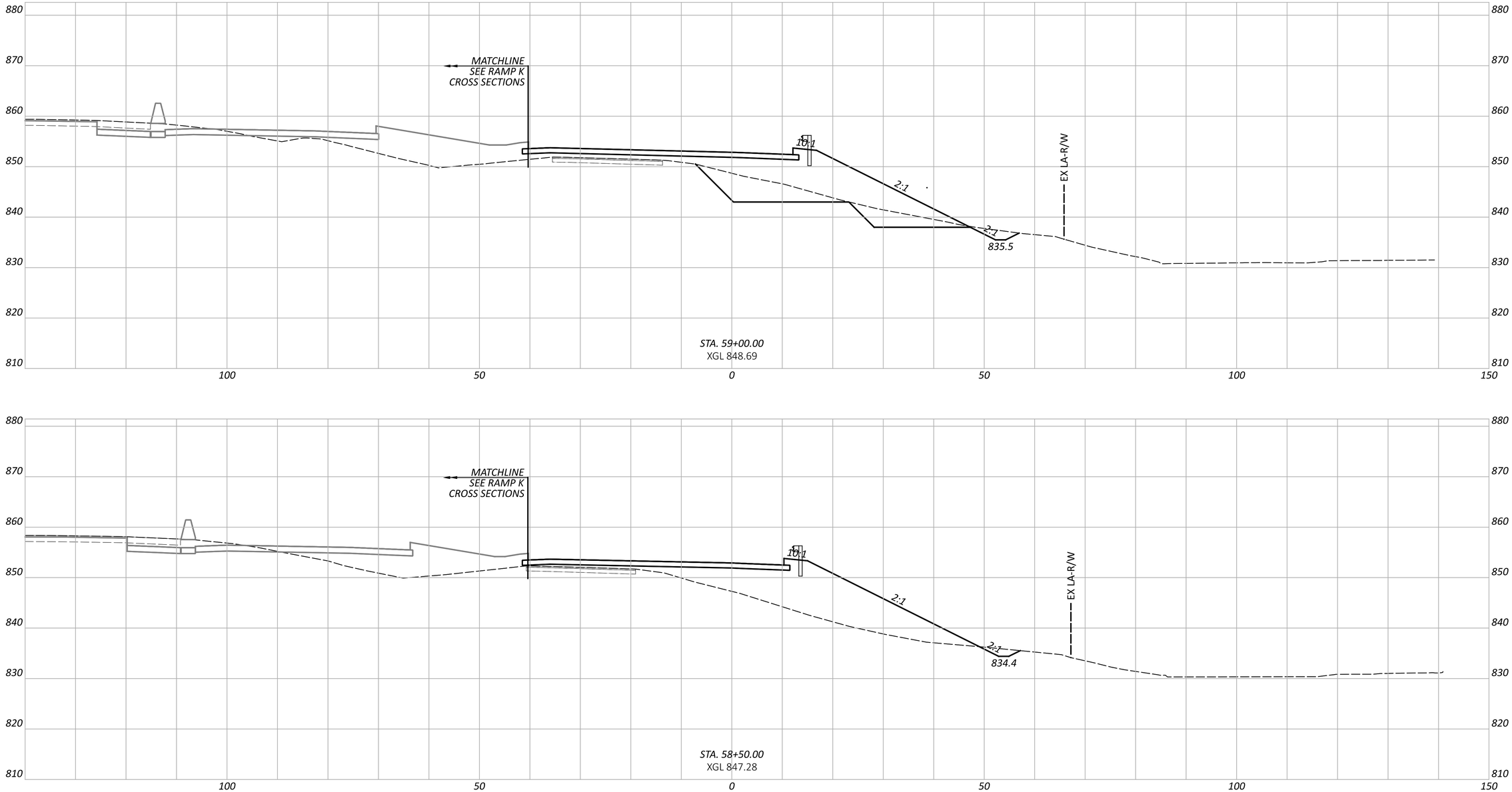
CROSS SECTIONS - RAMP E
STA. 57+50.00 TO STA. 58+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070E - 57+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:07:06 AM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_XS250.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0724
TOTAL	P.1556



CROSS SECTIONS - RAMP E
STA. 58+50.00 TO STA. 59+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070E - 58+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:07:17 AM USER: brieder
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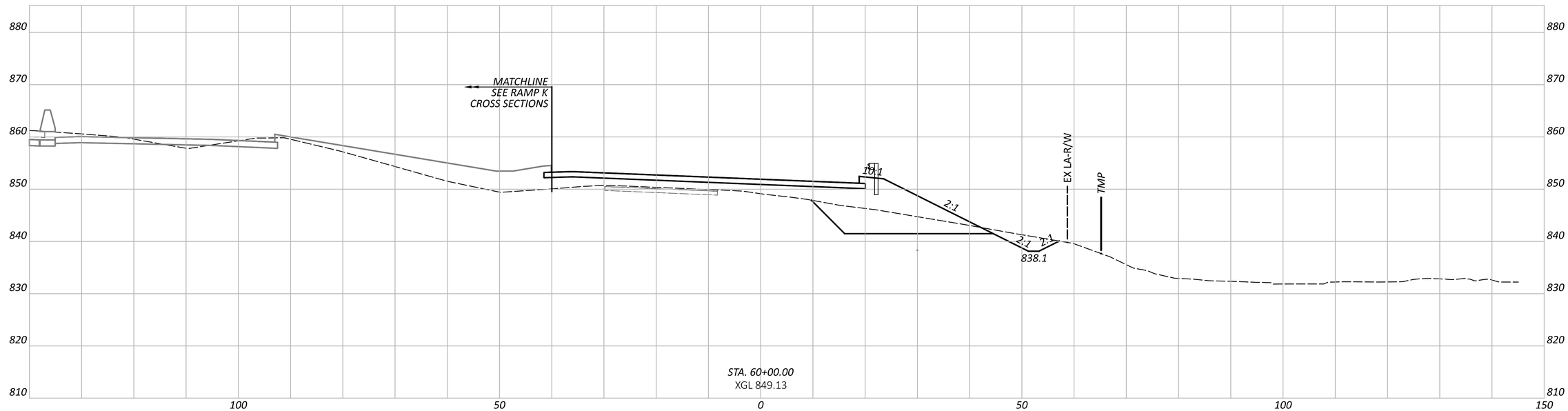
DESIGN AGENCY
STRUCTUREPOINT INC.

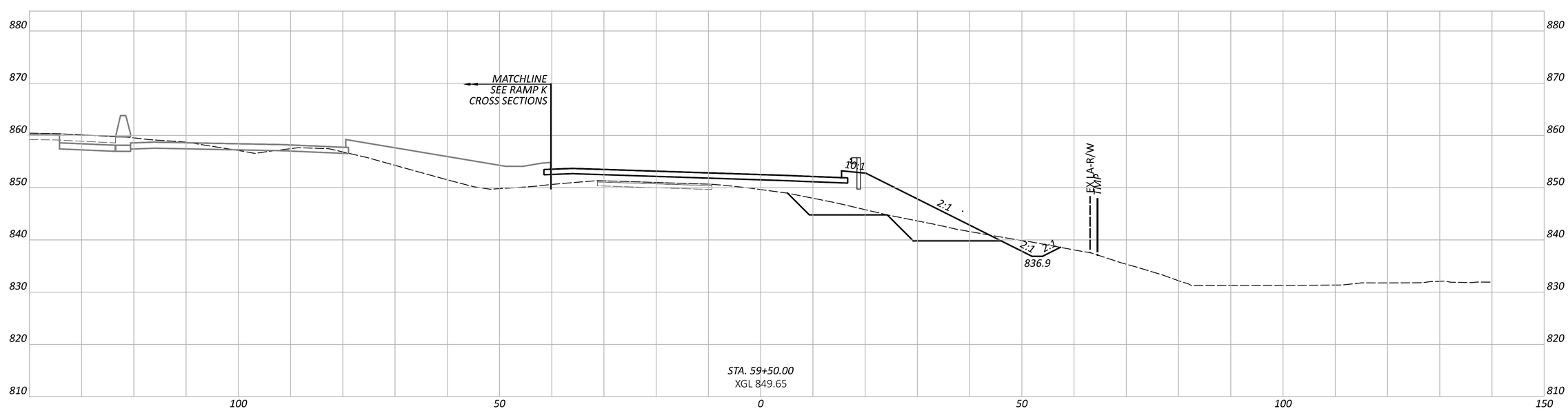
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0725 | TOTAL P.1556





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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0726 TOTAL P.1556

CROSS SECTIONS - RAMP E
STA. 60+50.00 TO STA. 61+00.00

FAI/LIC-IR 70-0.00/0.00

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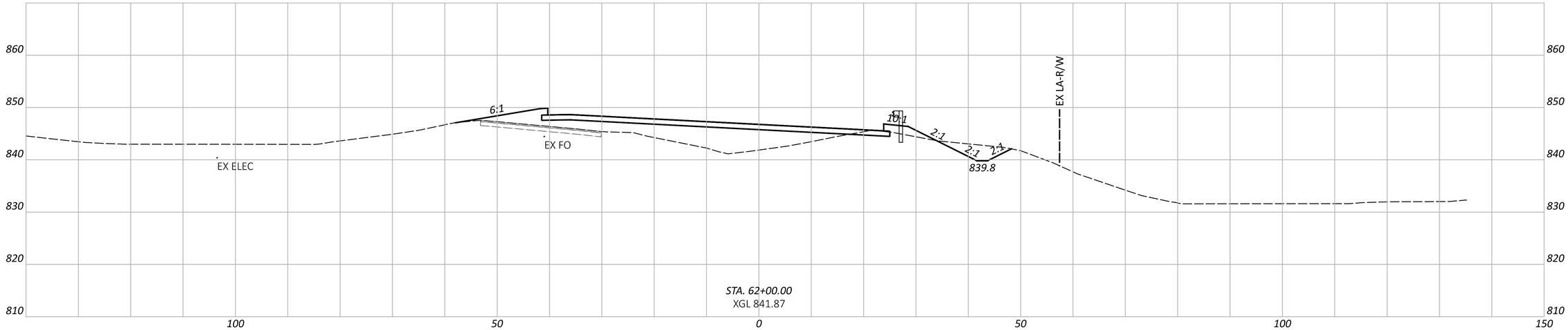
DESIGN AGENCY
STRUCTUREPOINT LLC

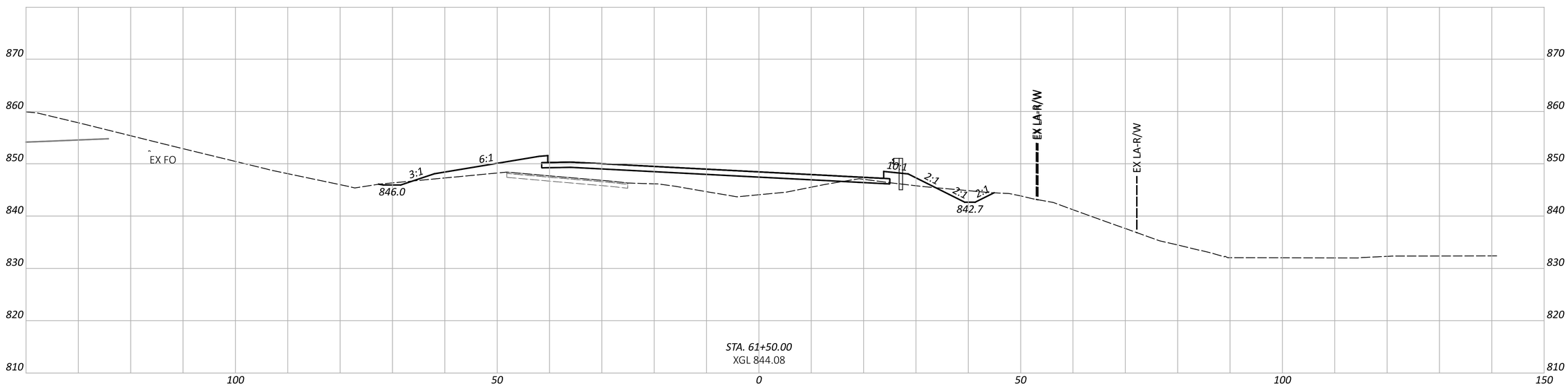
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0727 TOTAL P.1556





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STA. 61+50.00 TO STA. 62+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0728
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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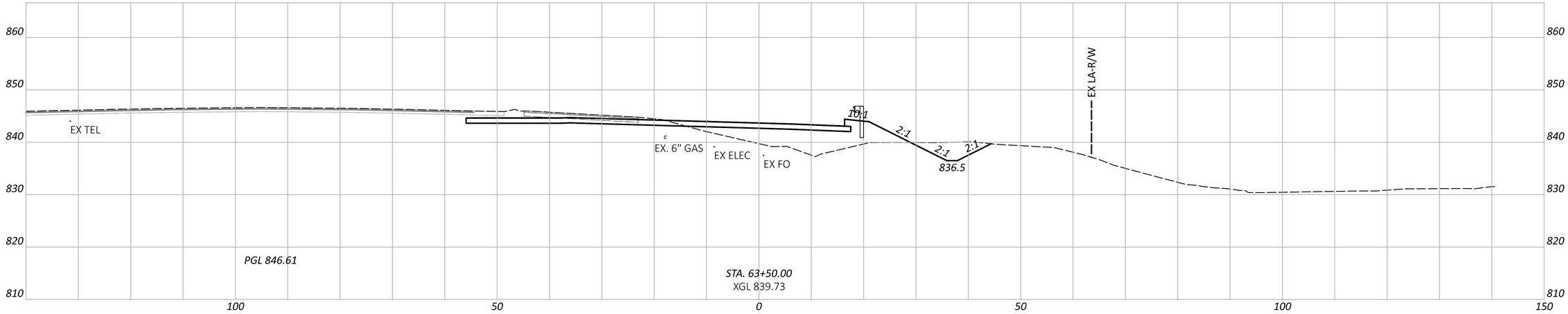

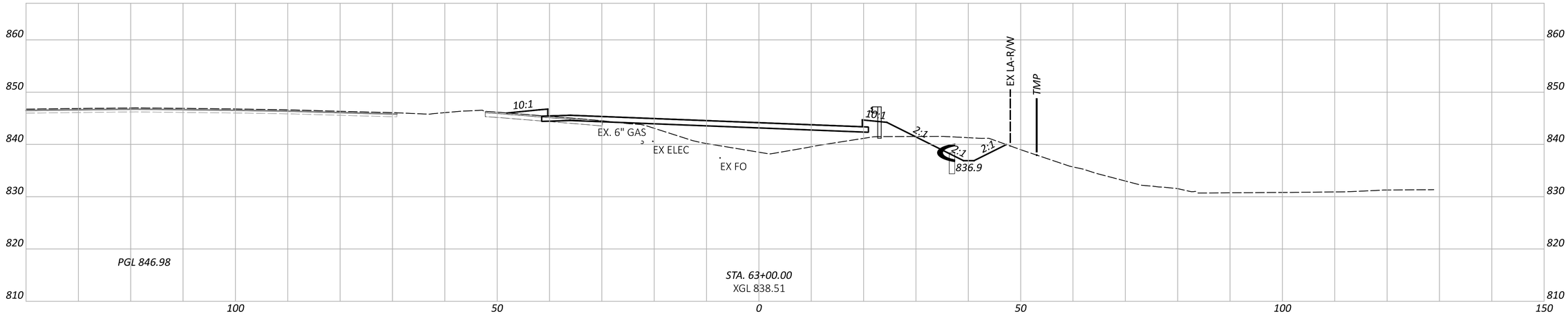

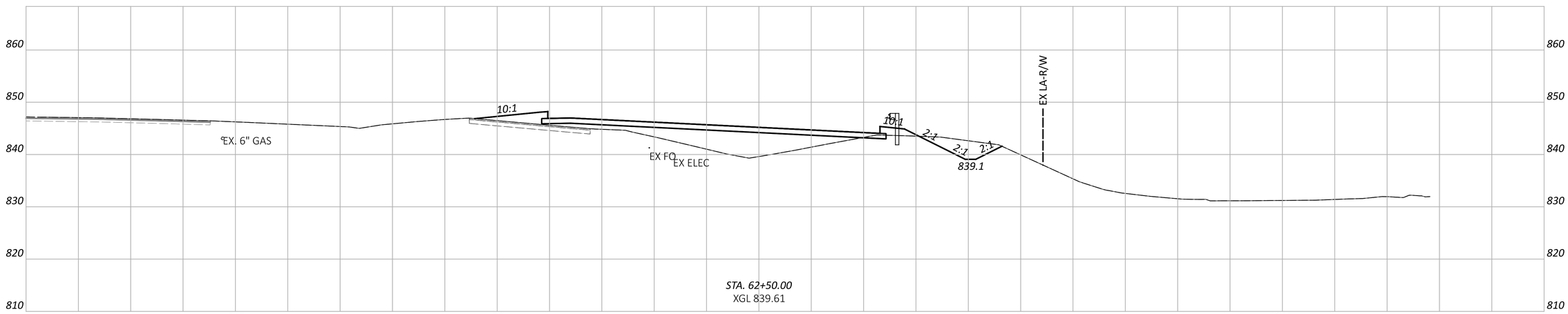

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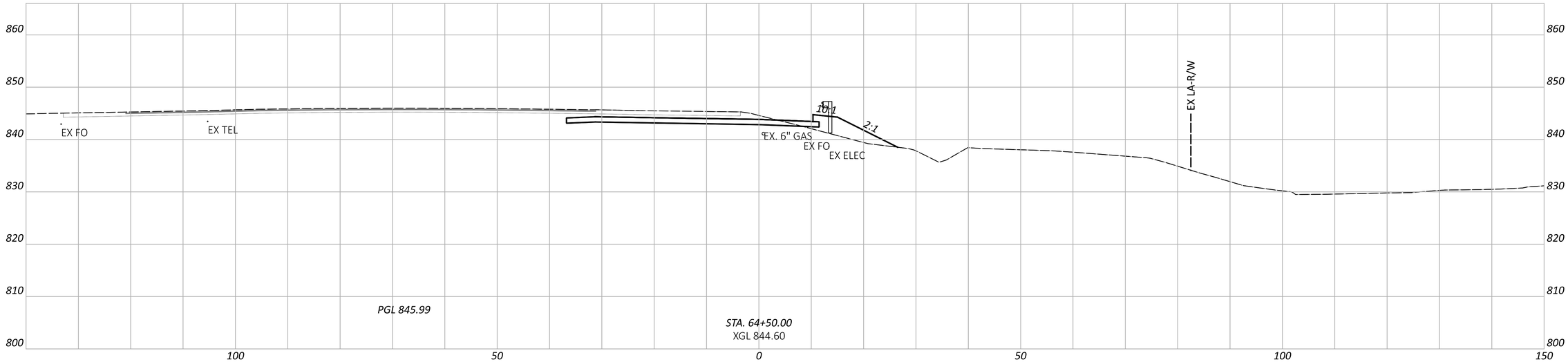
DESIGN AGENCY
STRUCTUREPOINT LLC

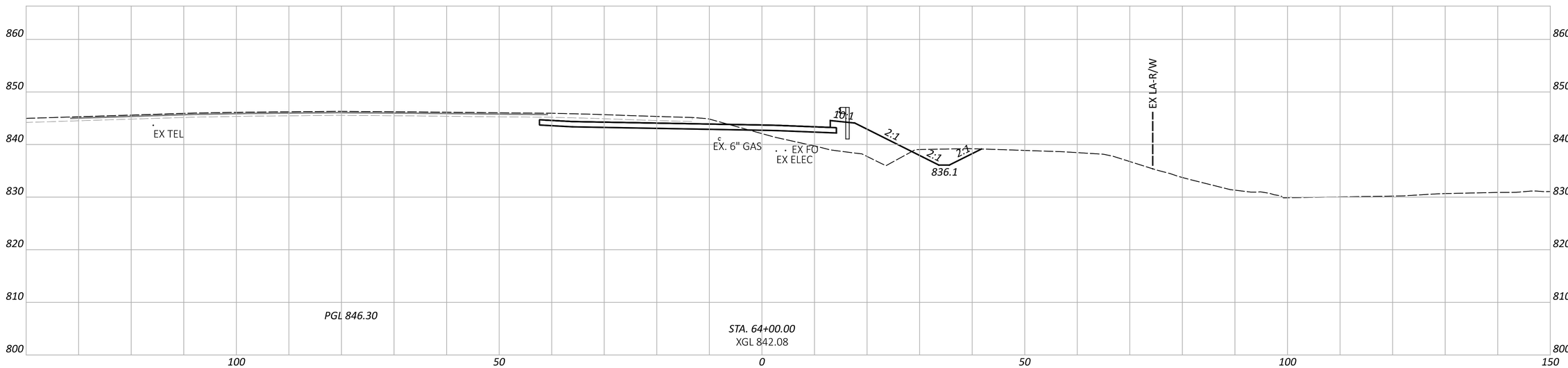
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0729 TOTAL P.1556





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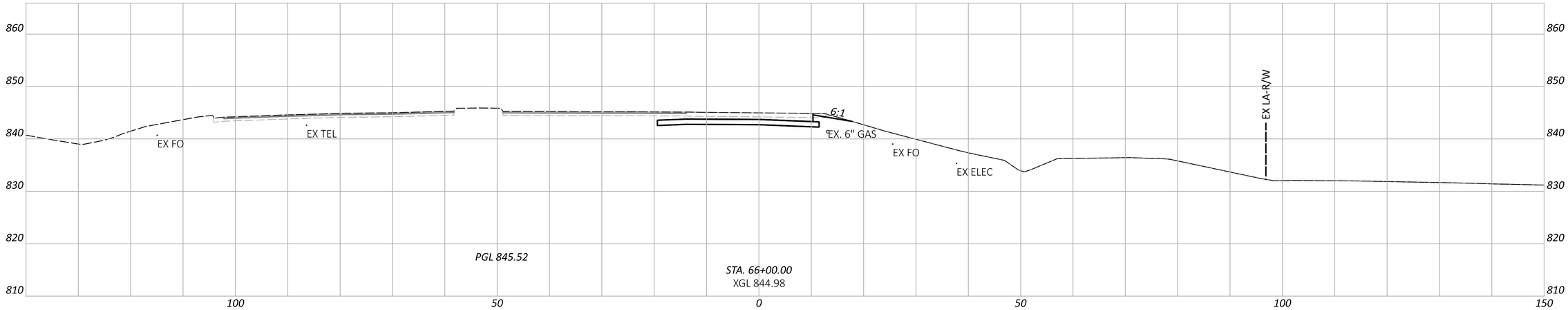
DESIGN AGENCY
STRUCTUREPOINT INC.

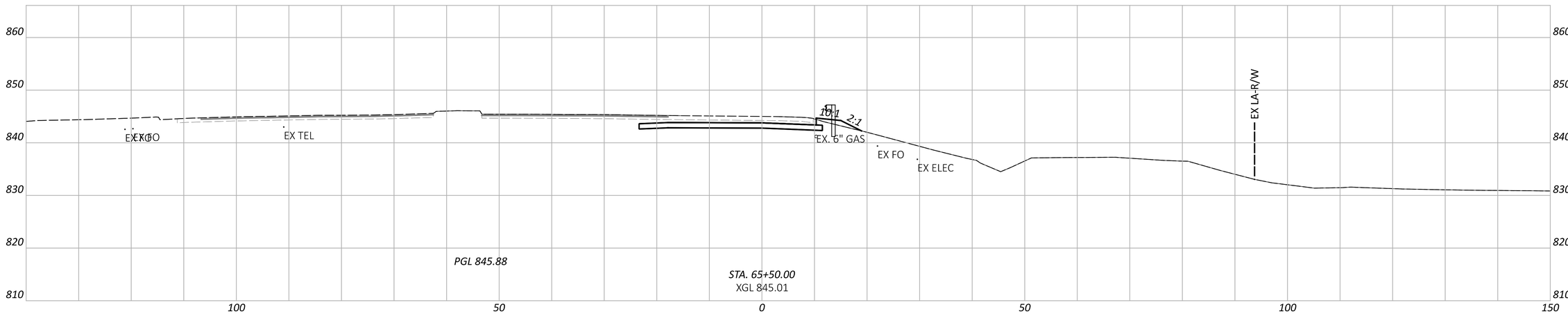
DESIGNER
BER

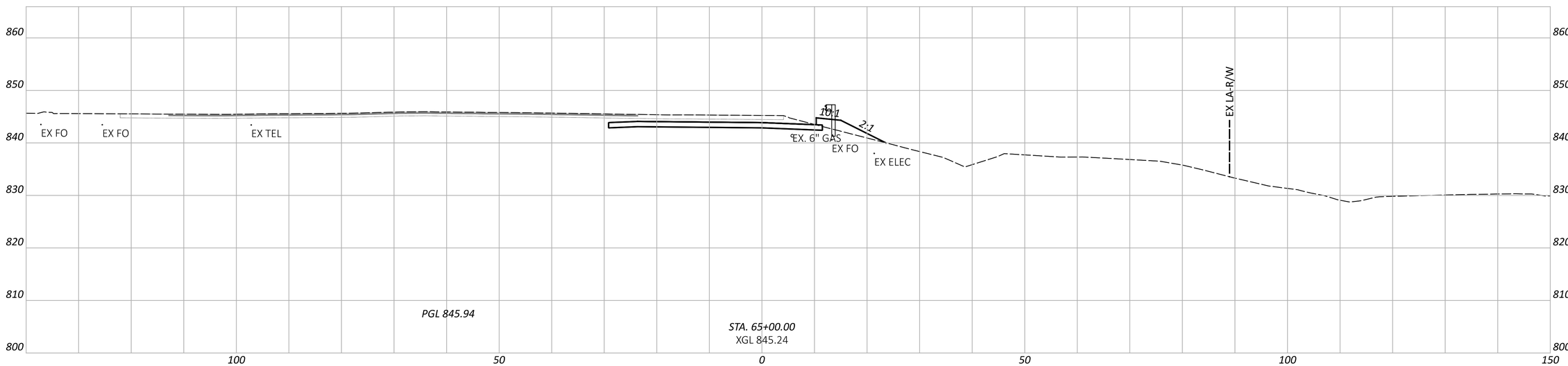
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0730 TOTAL P.1556







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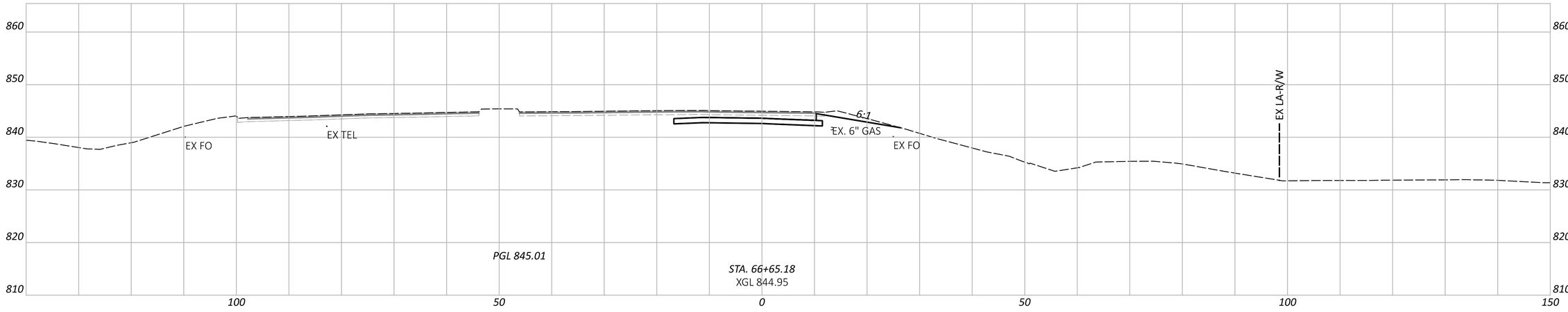
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

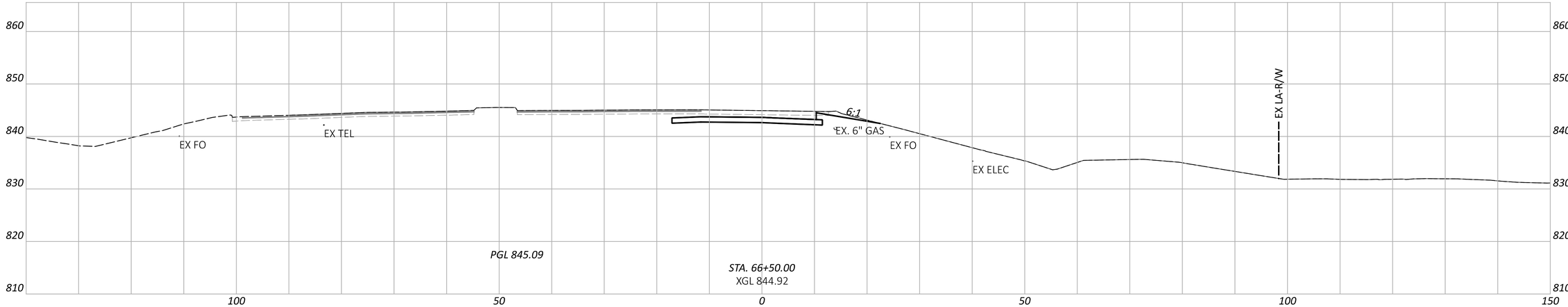
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0731 TOTAL P.1556





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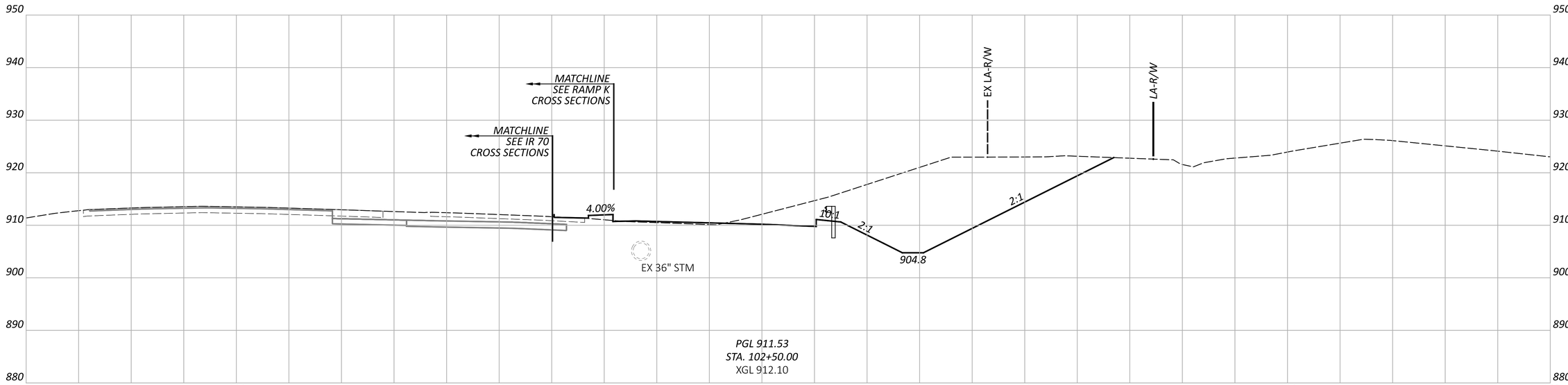
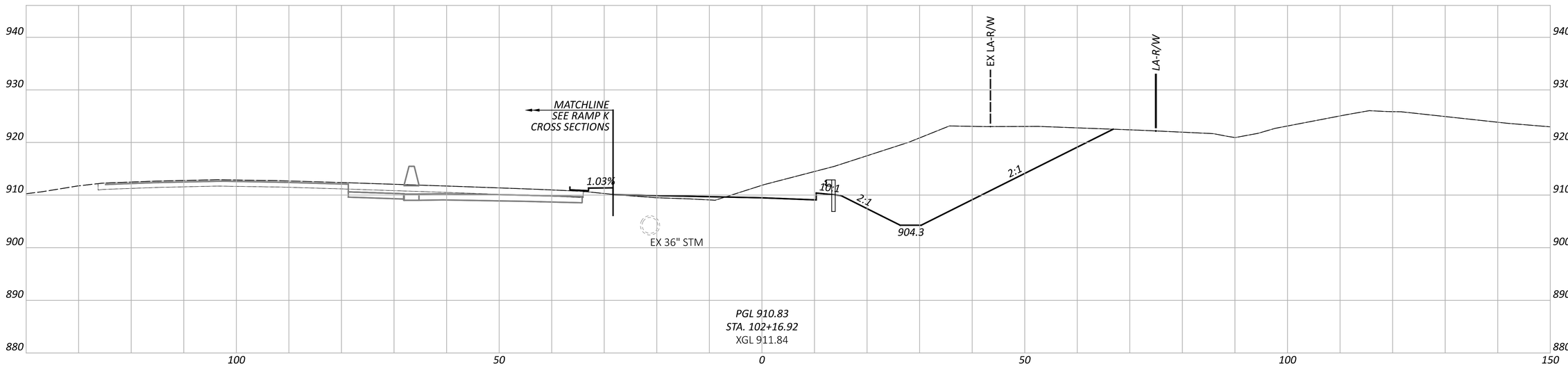
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0732
TOTAL	P.1556





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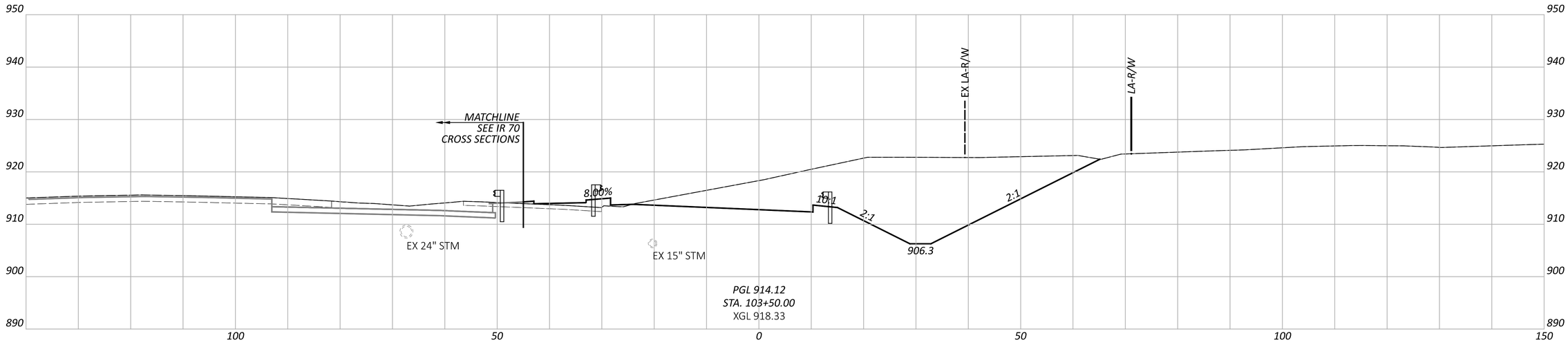
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

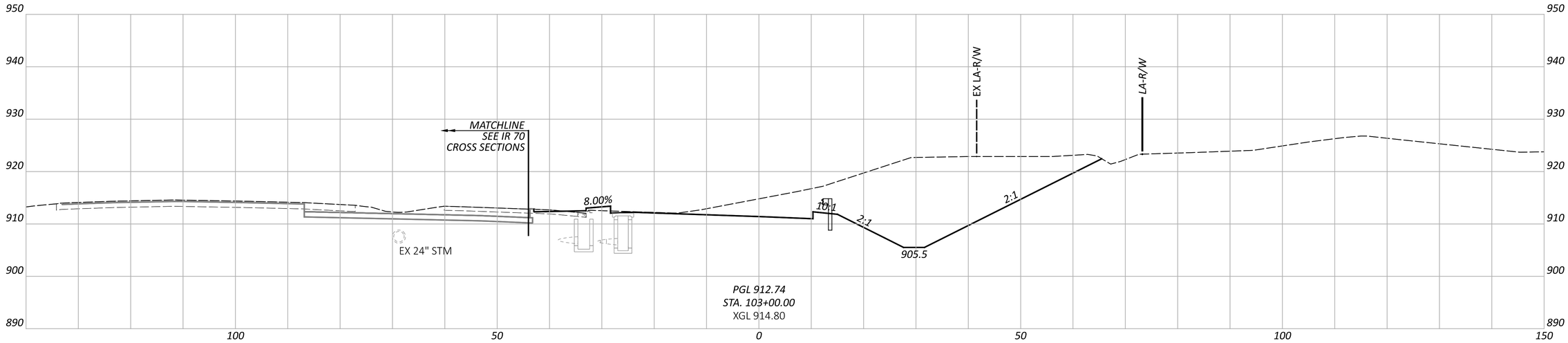
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0733 TOTAL P.1556





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STA. 103+00.00 TO STA. 103+50.00

FAI/LIC-IR 70-0.00/0.00

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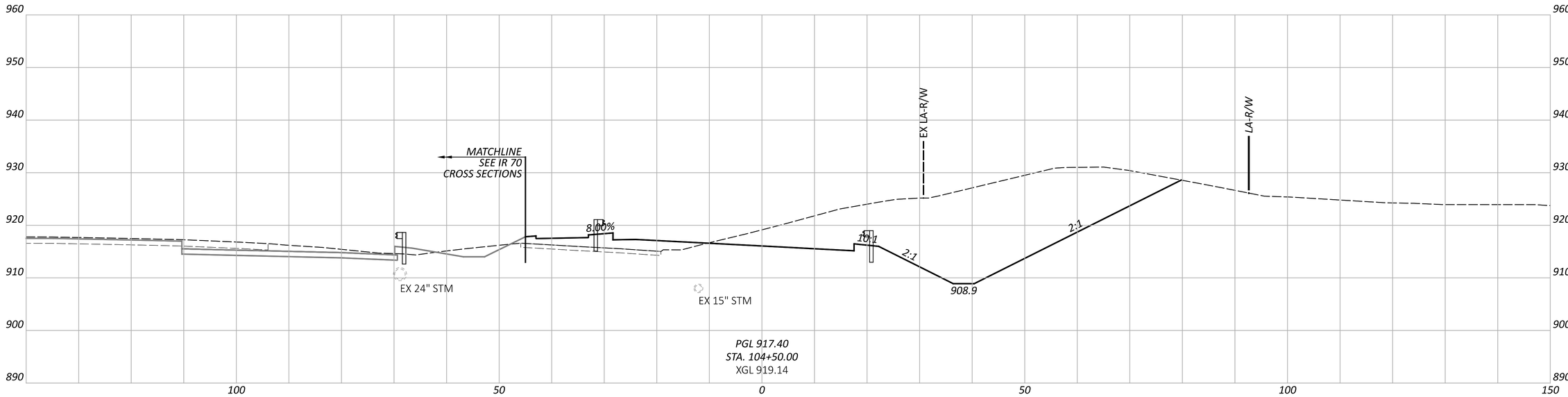
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

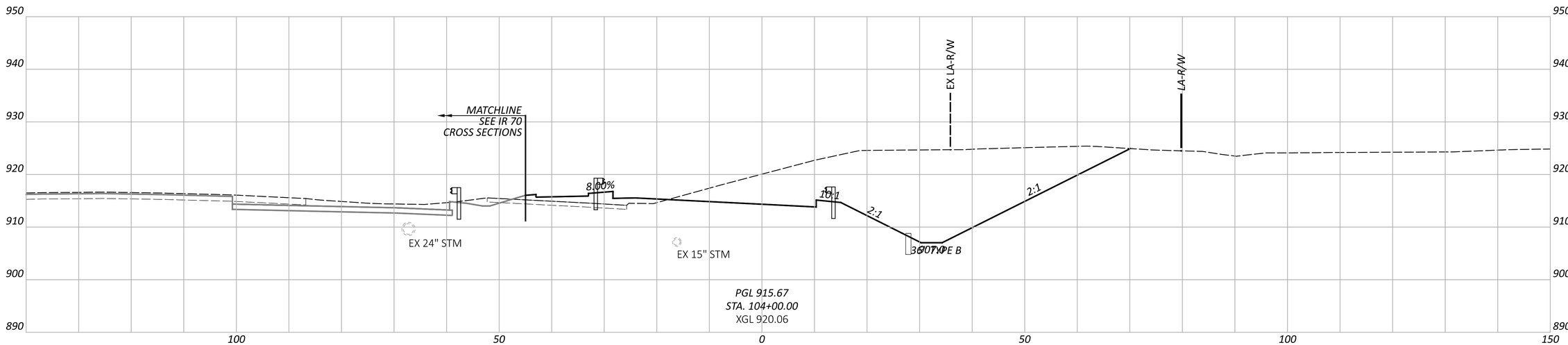
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0734 | TOTAL P.1556





NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP G
STA. 104+00.00 TO STA. 104+50.00

FAI/LIC-IR 70-0.00/0.00

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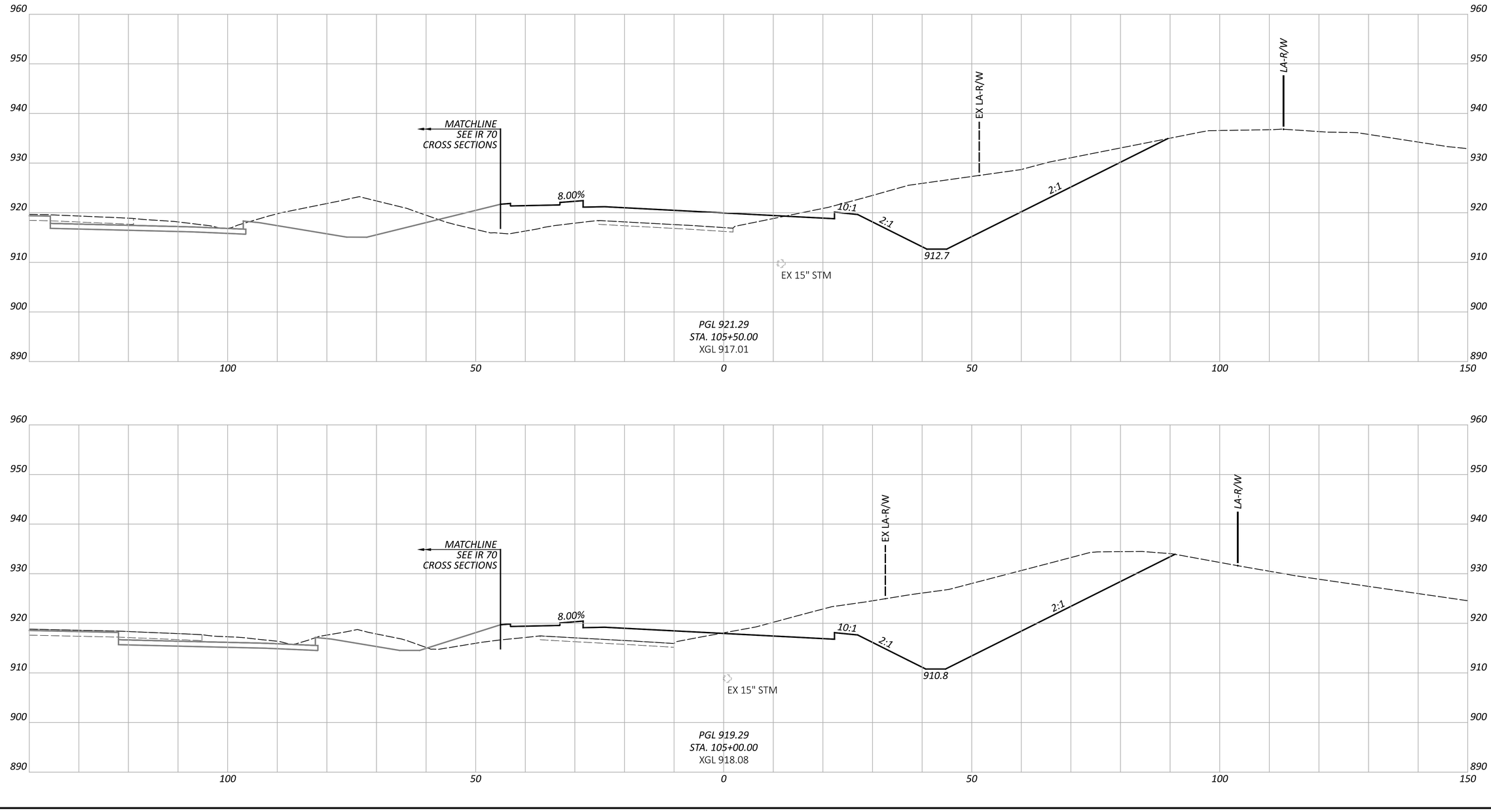
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0735 | TOTAL P.1556



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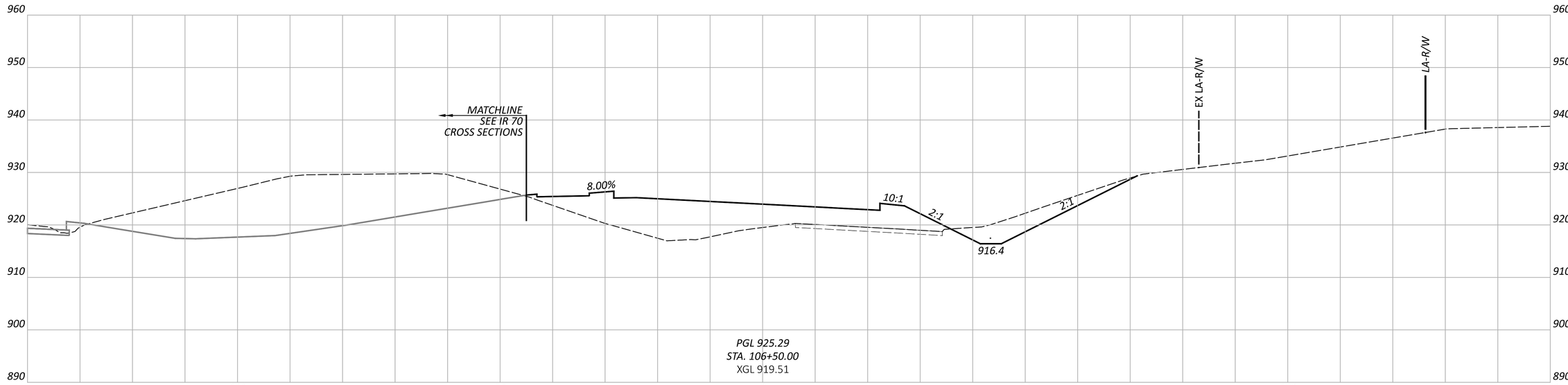
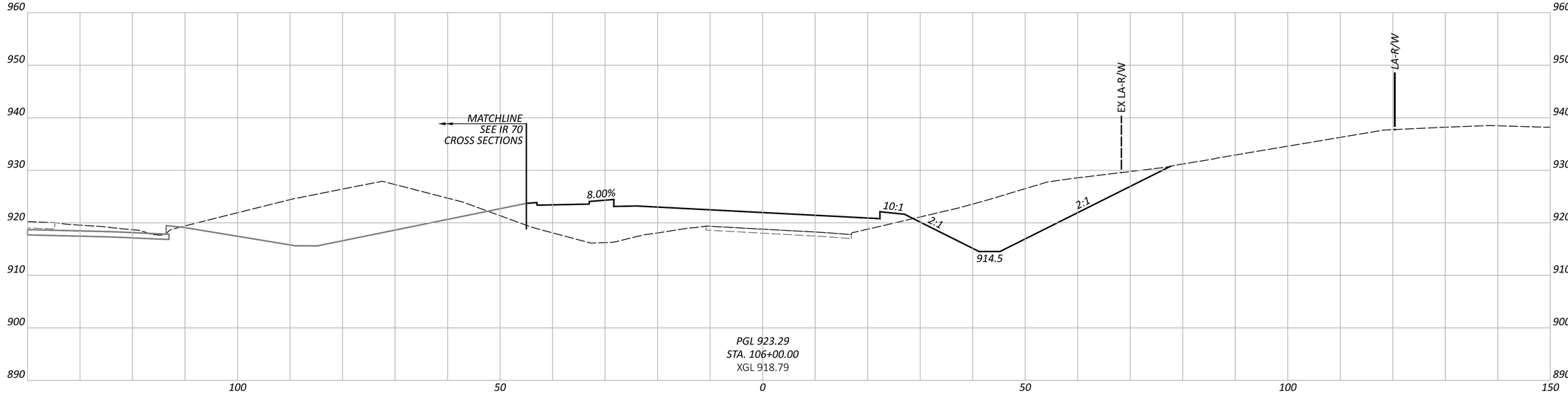
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0736
TOTAL	P.1556





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FAI/LIC-IR 70-0.00/0.00

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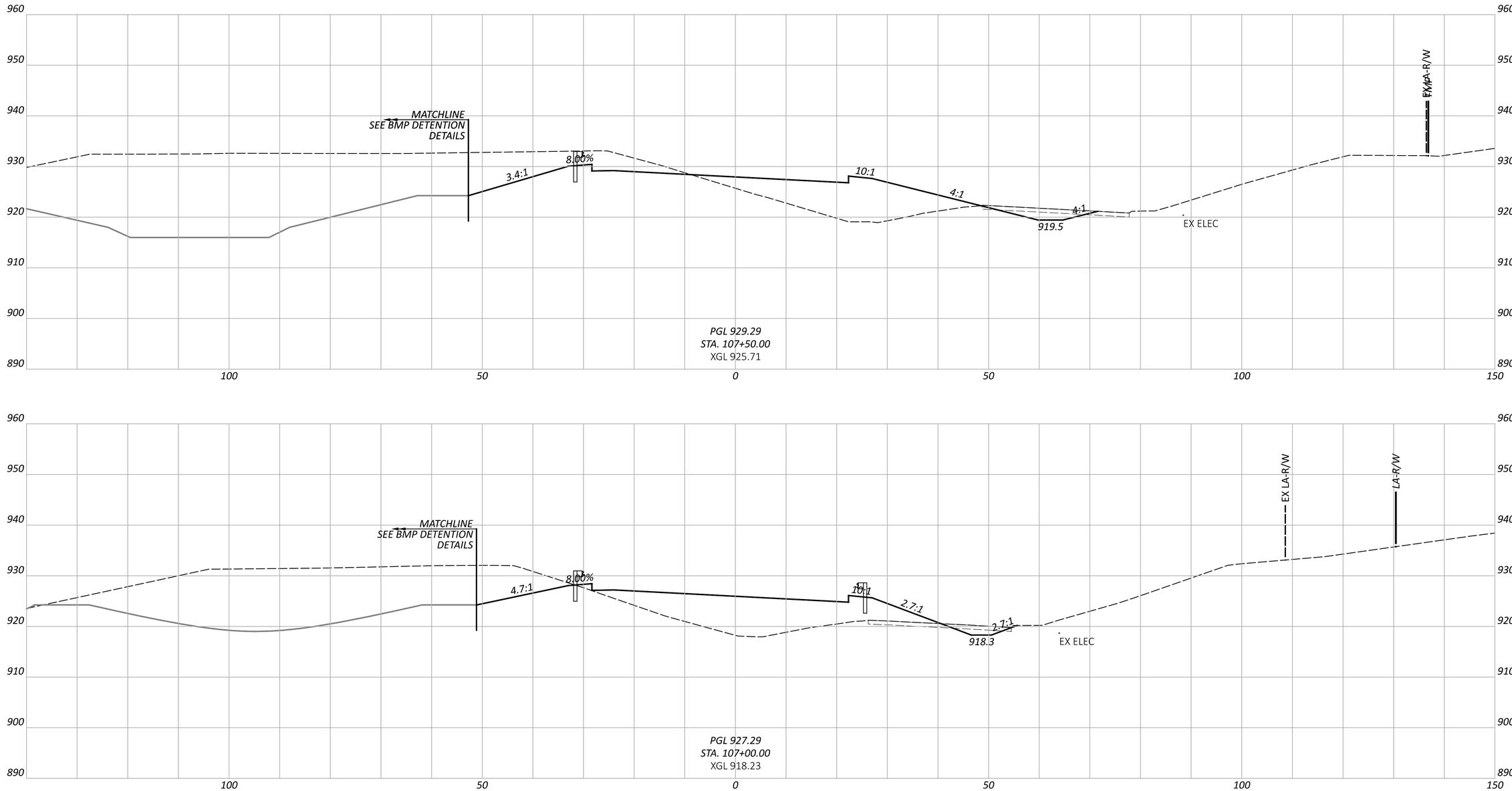
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0737 TOTAL P.1556



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FAI/LIC-IR 70-0.00/0.00

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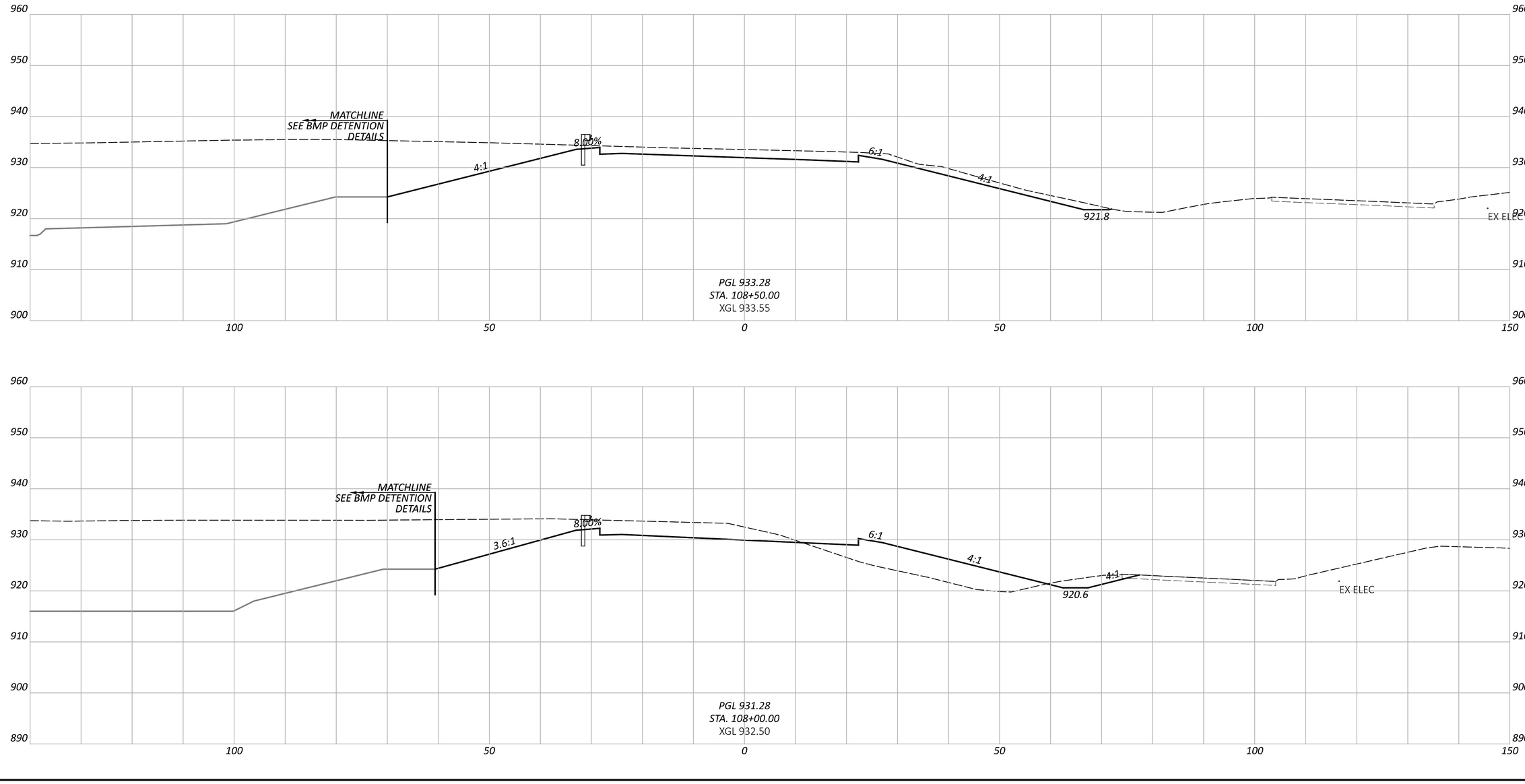
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0738
TOTAL	P.1556



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CROSS SECTIONS - RAMP G
STA. 108+00.00 TO STA. 108+50.00

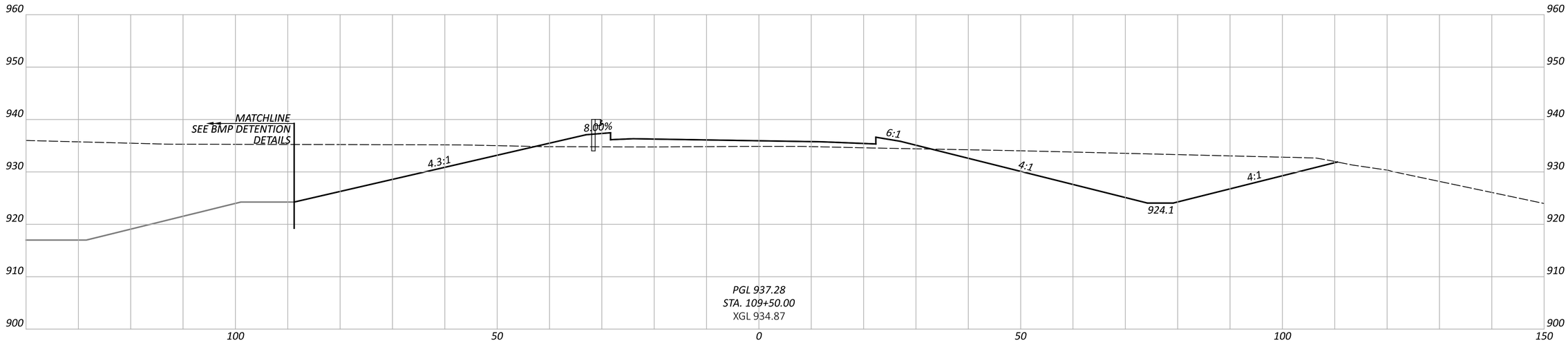
DESIGN AGENCY
STRUCTUREPOINT INC.

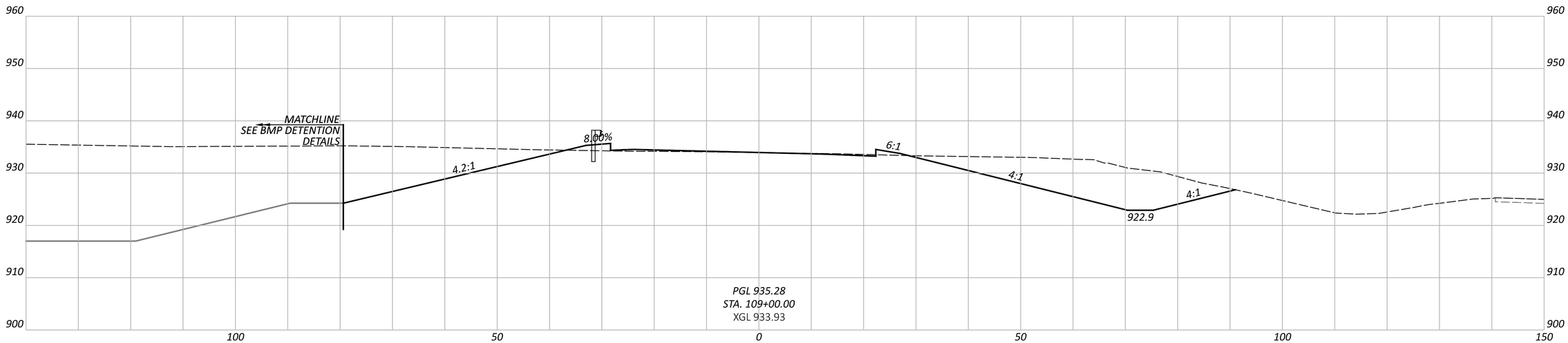
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0739 TOTAL P.1556





CROSS SECTIONS - RAMP G
STA. 109+00.00 TO STA. 109+50.00

FAI/LIC-IR 70-0.00/0.00

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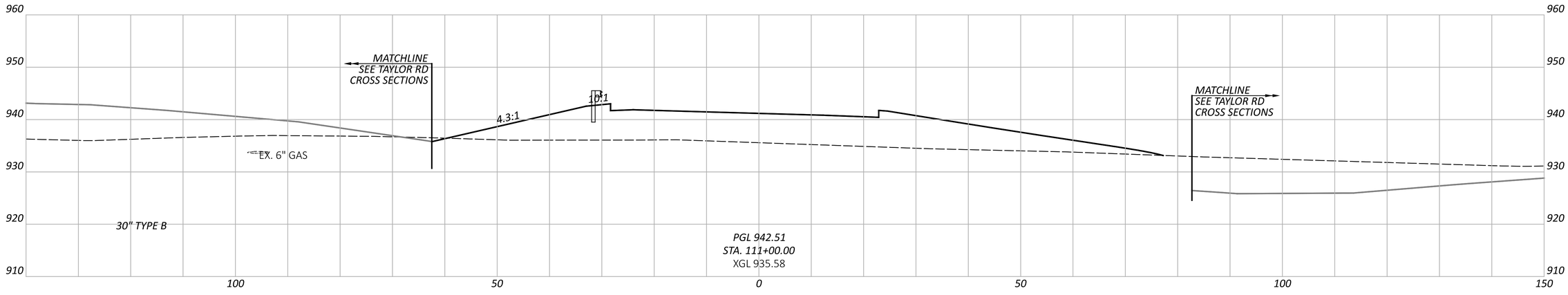
DESIGN AGENCY
STRUCTUREPOINT LLC

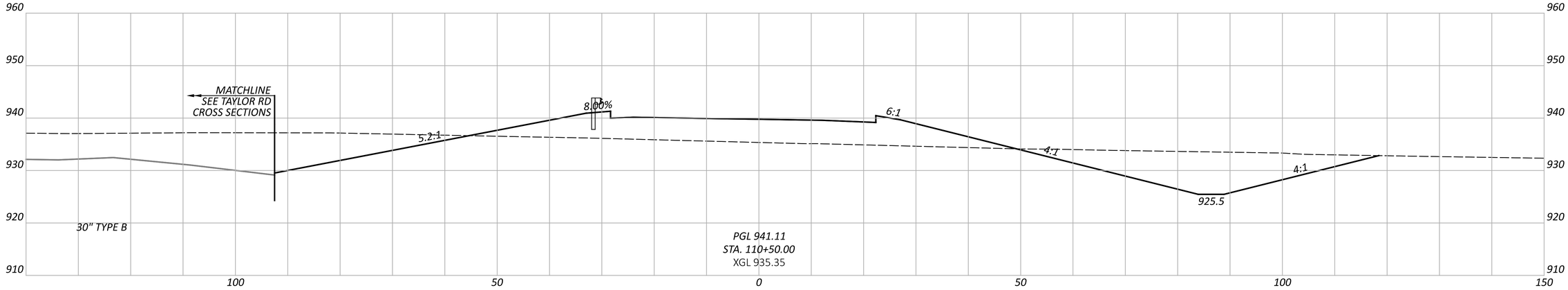
DESIGNER
BER

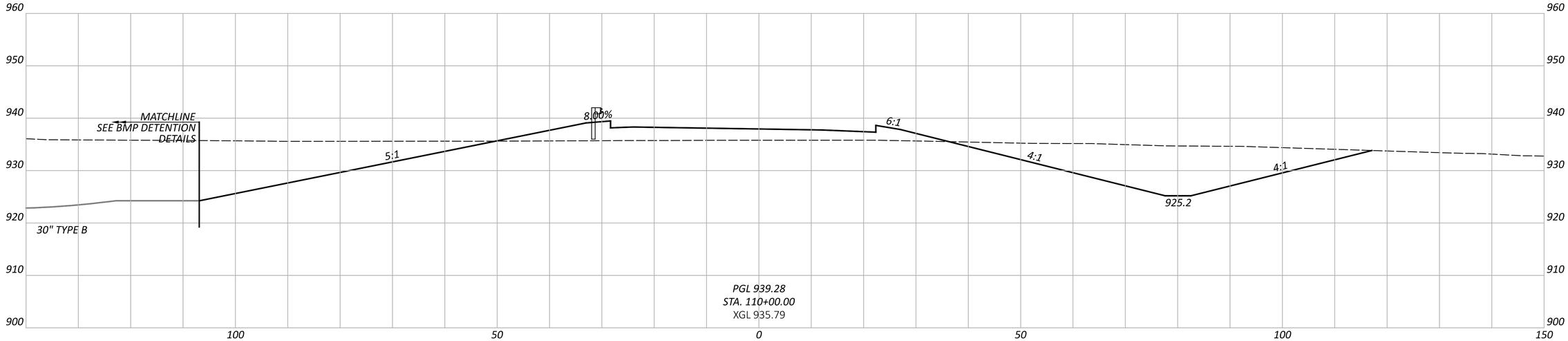
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0740 TOTAL P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

FAI/LIC-IR 70-0.00/0.00

CROSS SECTIONS - RAMP G
STA. 110+00.00 TO STA. 111+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0741 TOTAL P.1556

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FAI/LIC-IR 70-0.00/0.00

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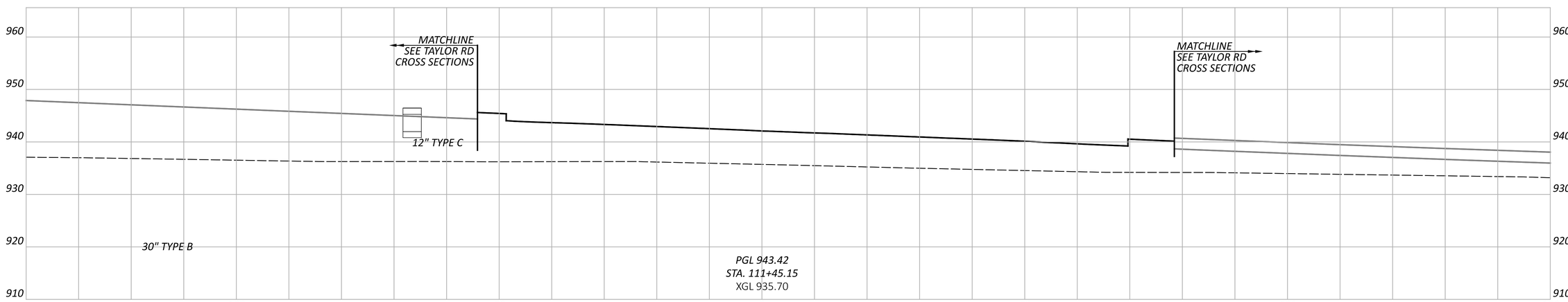

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP G
STA. 111+45.15

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0742
TOTAL	P.1556

CROSS SECTIONS - RAMP H
STA. 72+50.00 TO STA. 73+50.00

FAI/LIC-IR 70-0.00/0.00

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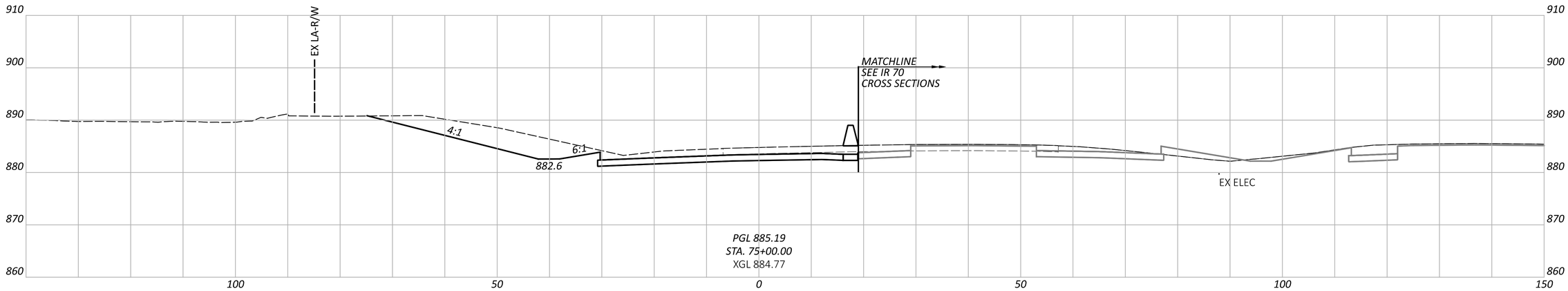
DESIGN AGENCY
STRUCTUREPOINT INC.

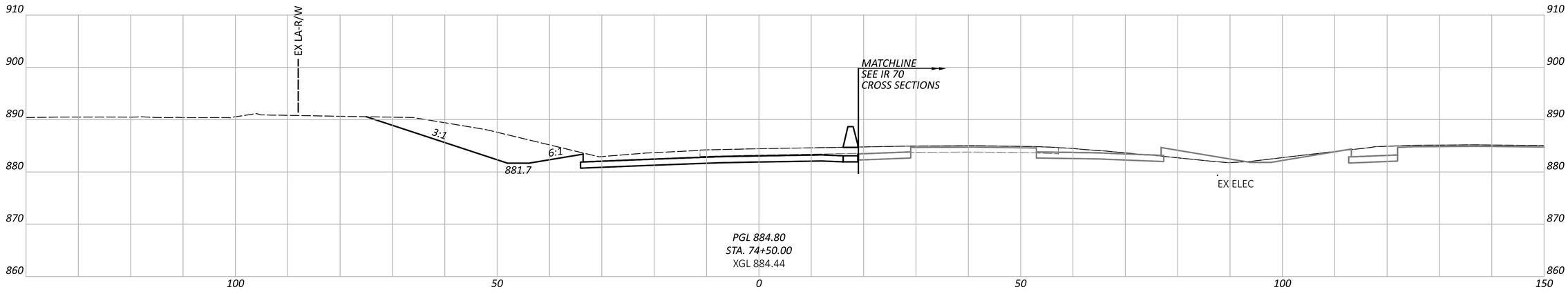
DESIGNER
BER

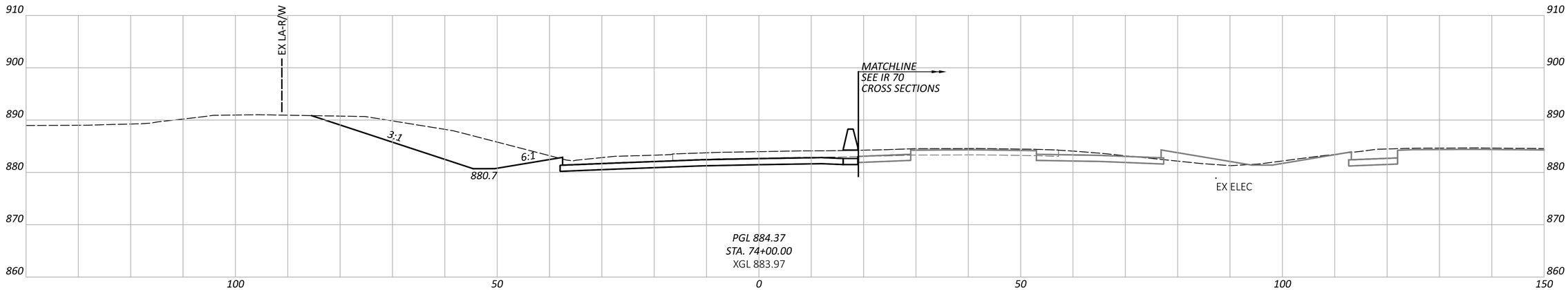
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0743 TOTAL P.1556







CROSS SECTIONS - RAMP H
STA. 74+00.00 TO STA. 75+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0744 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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MODEL: BLP_R070H - 75+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:09:56 AM USER: brieder
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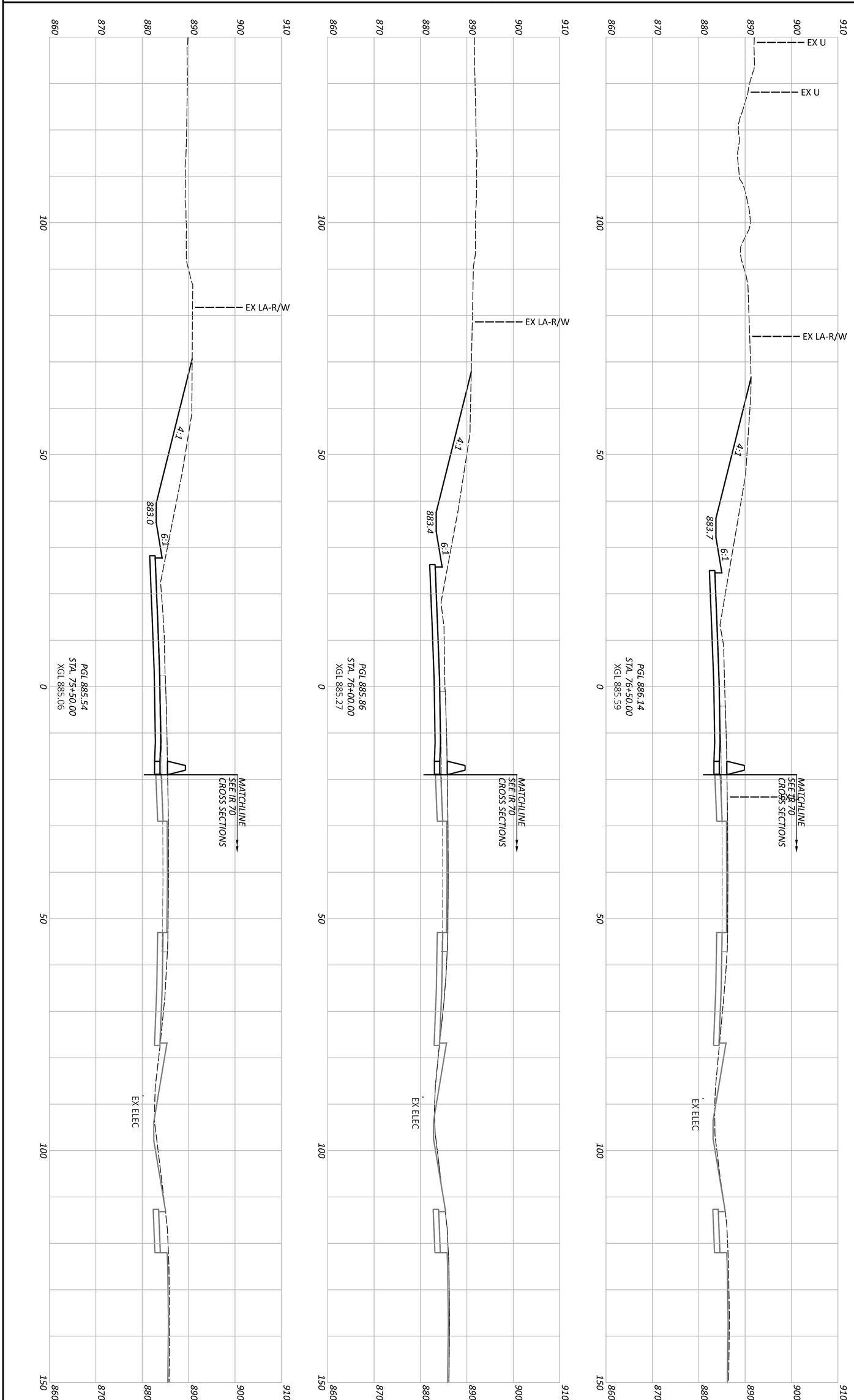
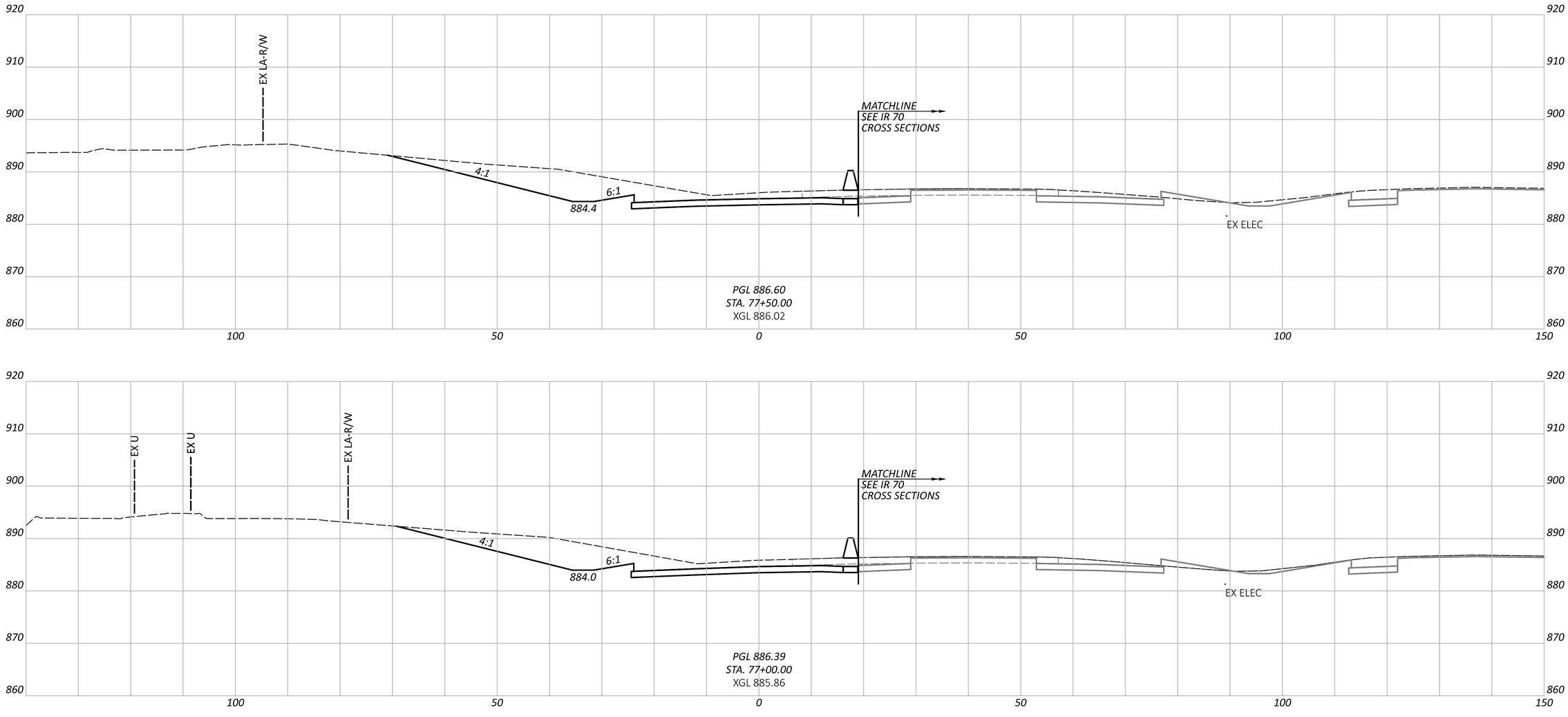


DESIGNER	DESIGN AGENCY
BER	AMERICAN STRUCTUREPOINT INC.
REVIEWER	
KAM 04/25/25	
PROJECT ID	
96808	
SHEET	TOTAL
P 0745	P 1556

CROSS SECTIONS - RAMP H
STA. 75+50.00 TO STA. 76+50.00



CROSS SECTIONS - RAMP H
STA. 77+00.00 TO STA. 77+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 77+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:02 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0746
TOTAL	P.1556

CROSS SECTIONS - RAMP H
STA. 78+00.00 TO STA. 78+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0747 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 78+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:07 AM USER: brieder
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CROSS SECTIONS - RAMP H
STA. 79+00.00 TO STA. 79+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 79+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:12 AM USER: brieder
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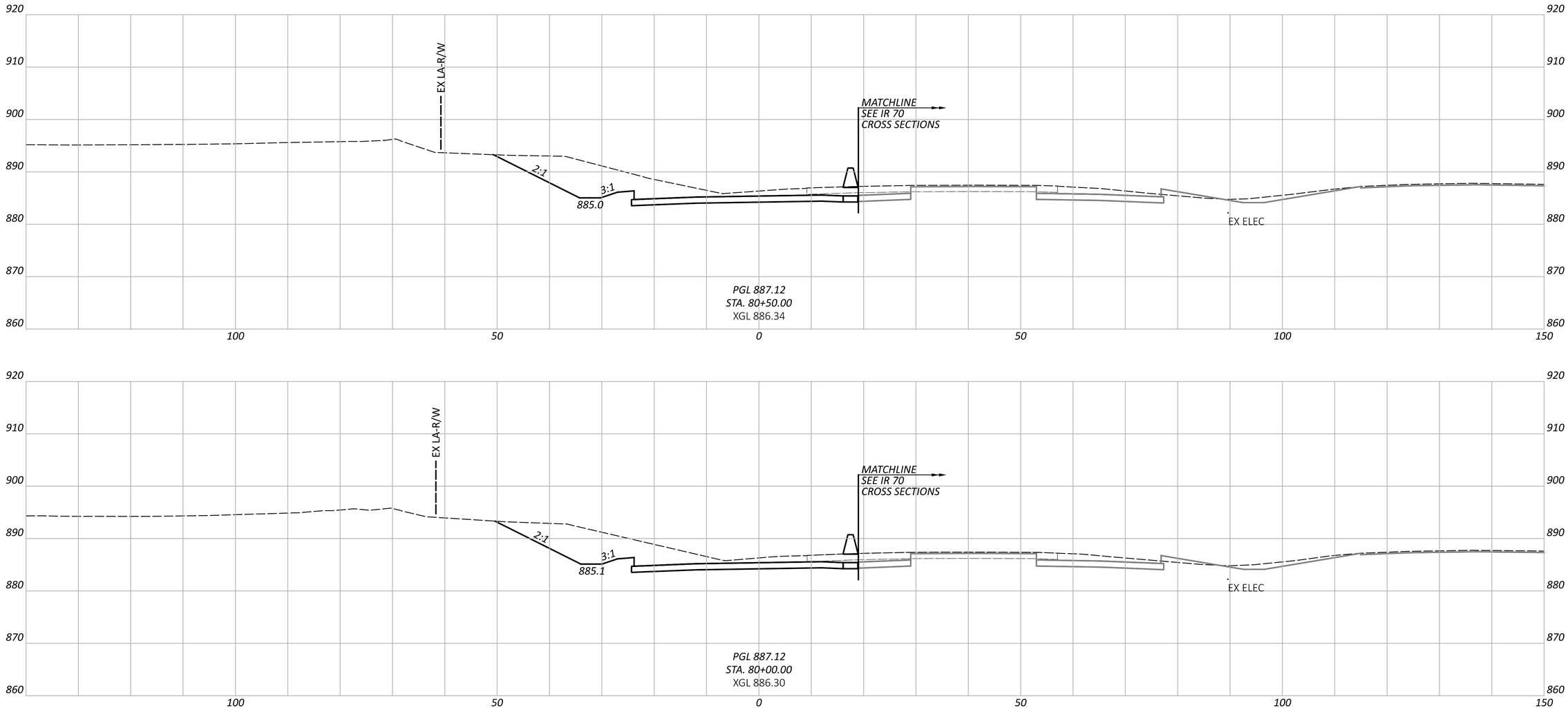
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0748 TOTAL P.1556



CROSS SECTIONS - RAMP H
STA. 80+00.00 TO STA. 80+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0749 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 80+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:16 AM USER: brieder
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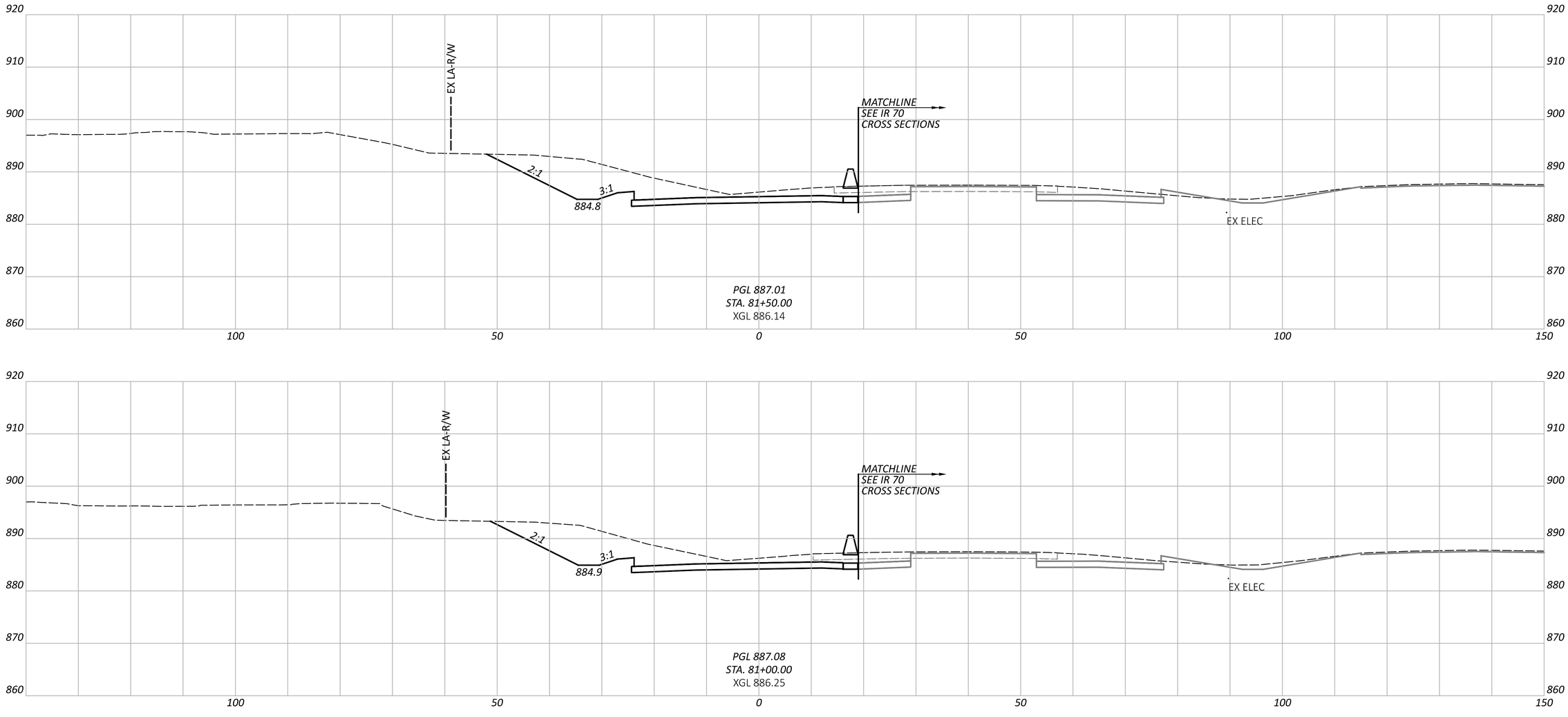

CROSS SECTIONS - RAMP H
STA. 81+00.00 TO STA. 81+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 81+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:21 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0750 TOTAL P.1556

CROSS SECTIONS - RAMP H
STA. 82+00.00 TO STA. 82+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0751
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 82+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:26 AM USER: brieder
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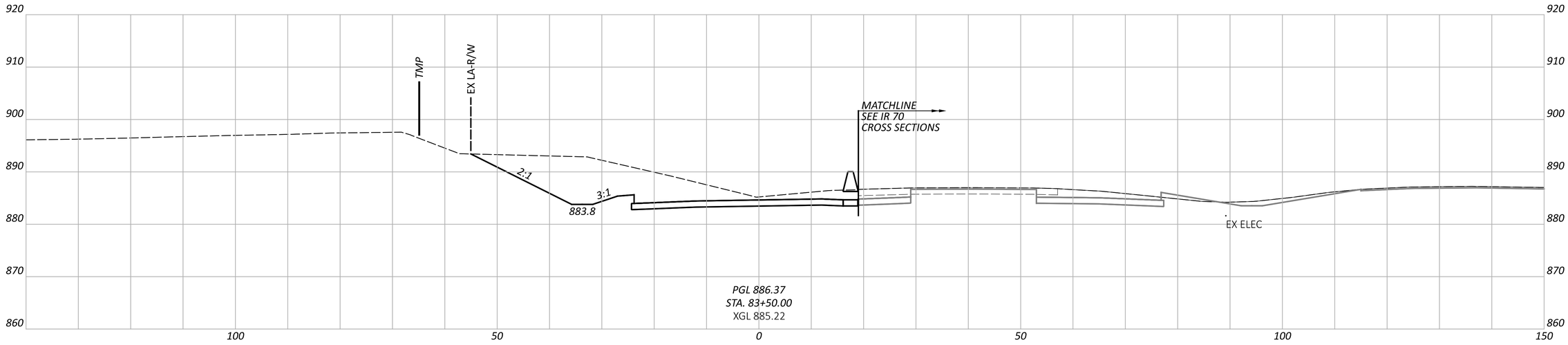

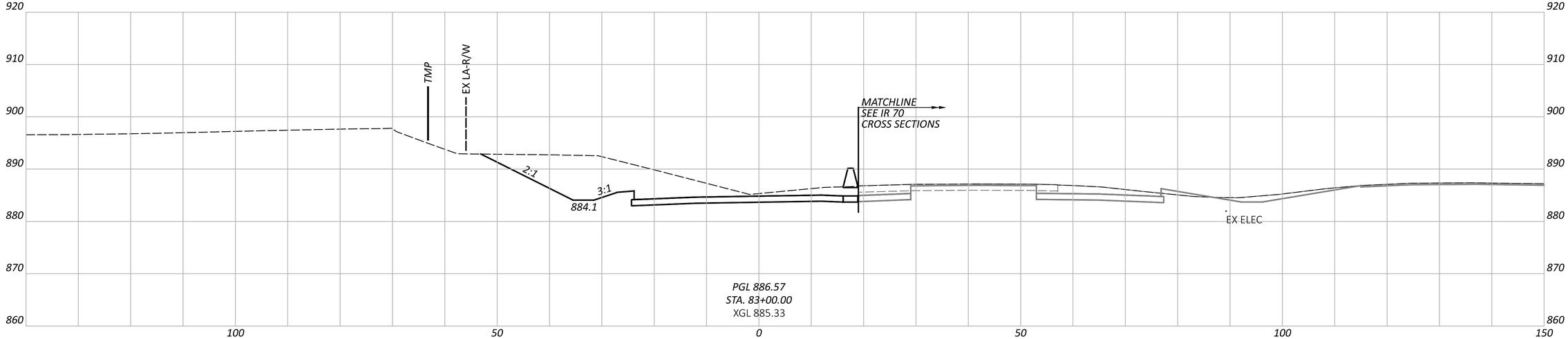

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP H
STA. 83+00.00 TO STA. 83+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 83+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:31 AM USER: brieder
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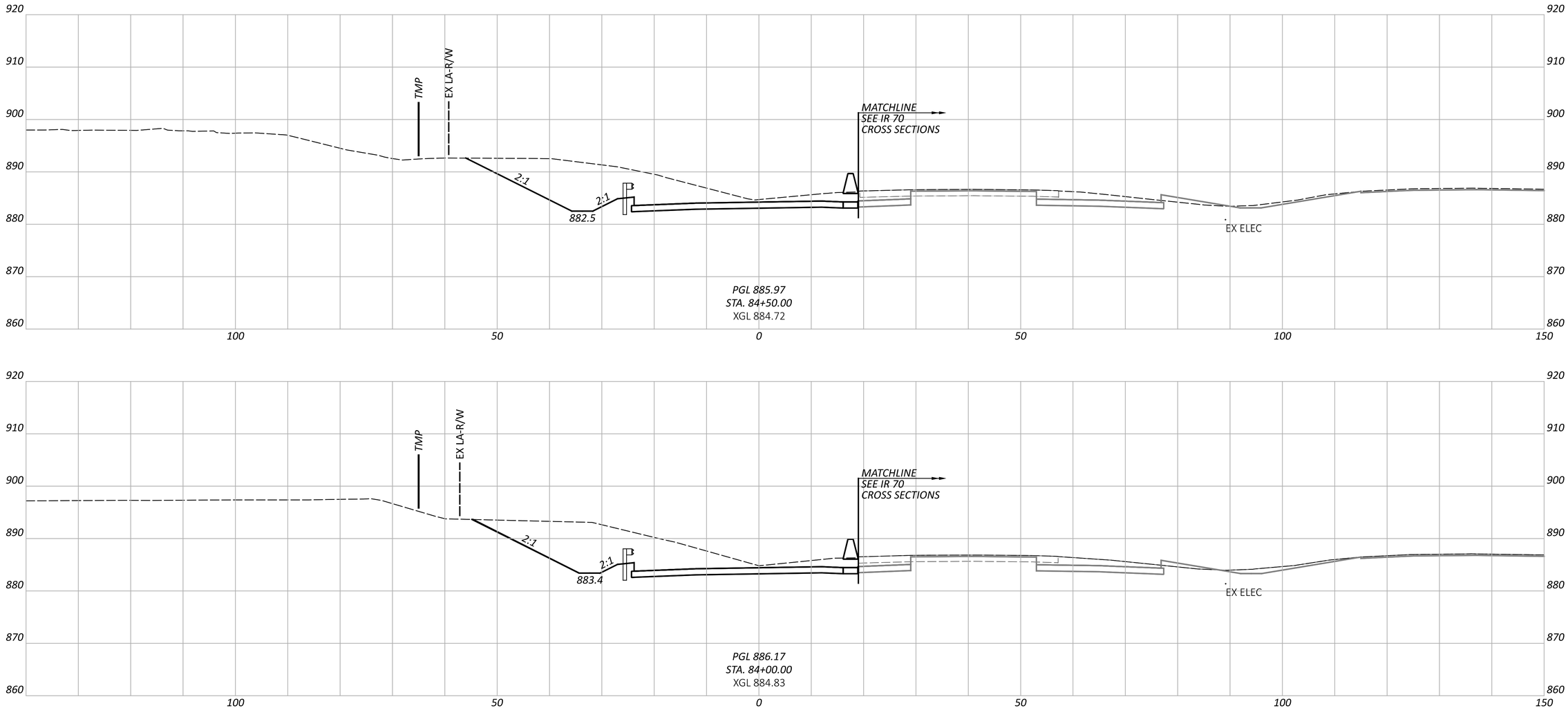
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0752 TOTAL P.1556



CROSS SECTIONS - RAMP H
STA. 84+00.00 TO STA. 84+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 84+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:36 AM USER: brieder
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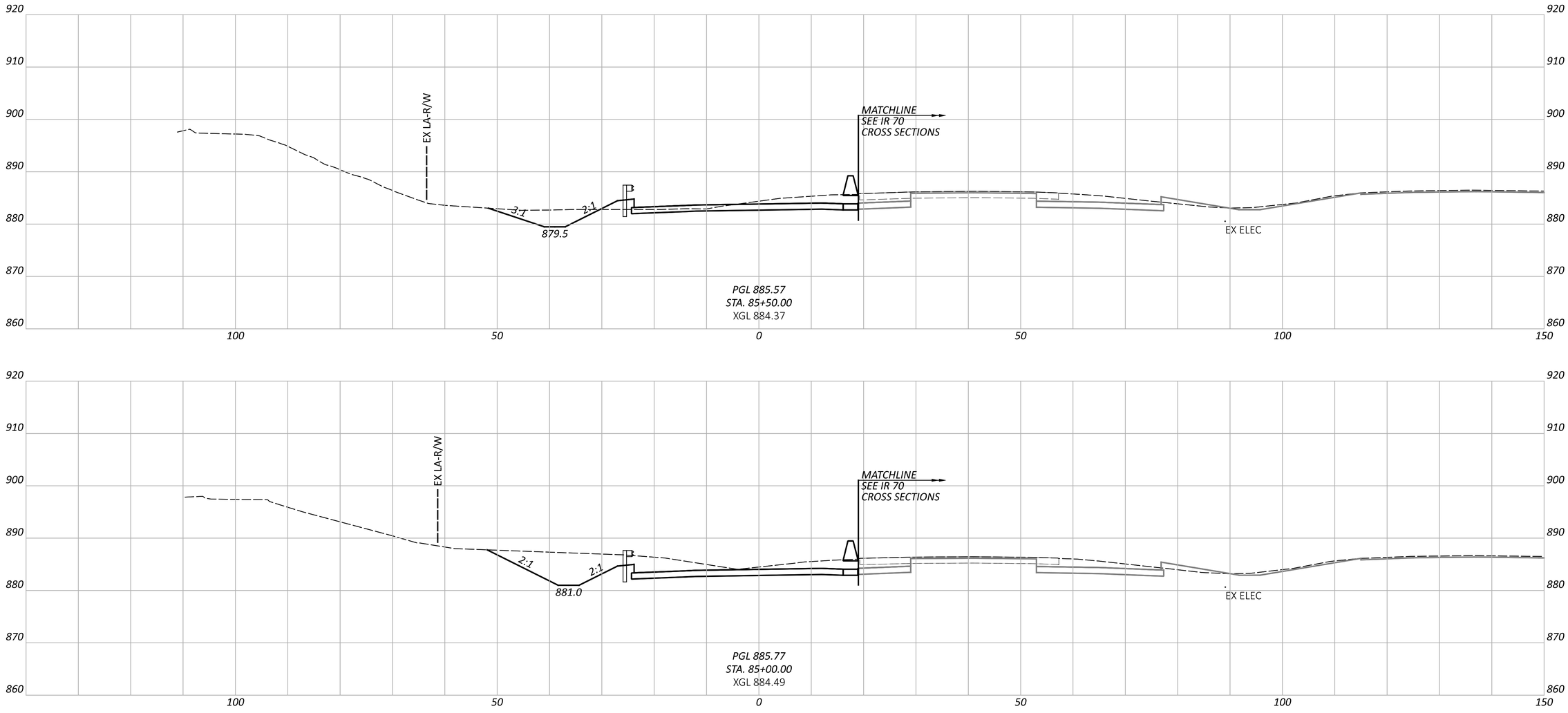
NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0753
TOTAL	P.1556



NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP H
STA. 85+00.00 TO STA. 85+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0754
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 85+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:41 AM USER: brieder
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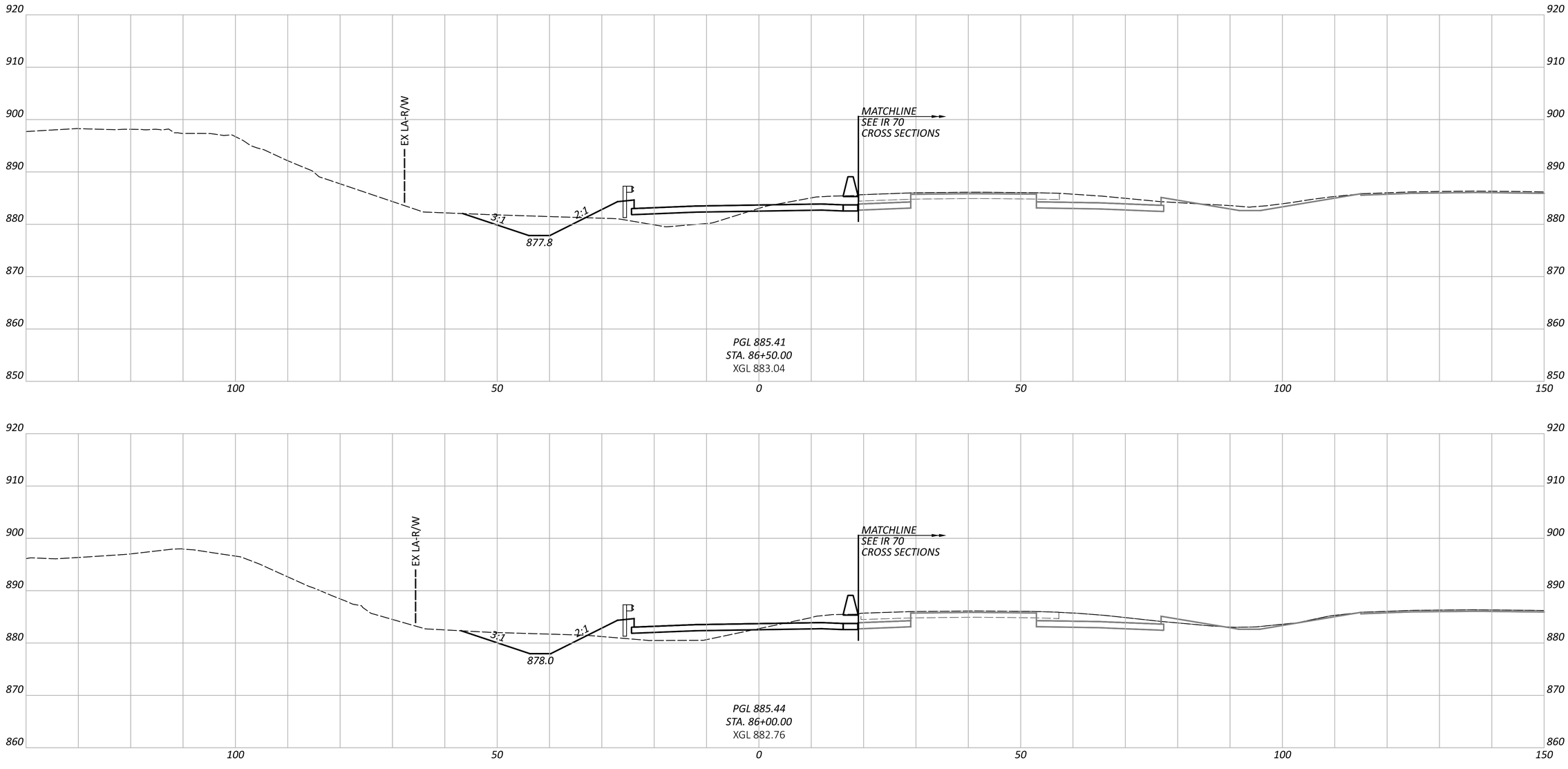

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP H
STA. 86+00.00 TO STA. 86+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 86+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:45 AM USER: brieder
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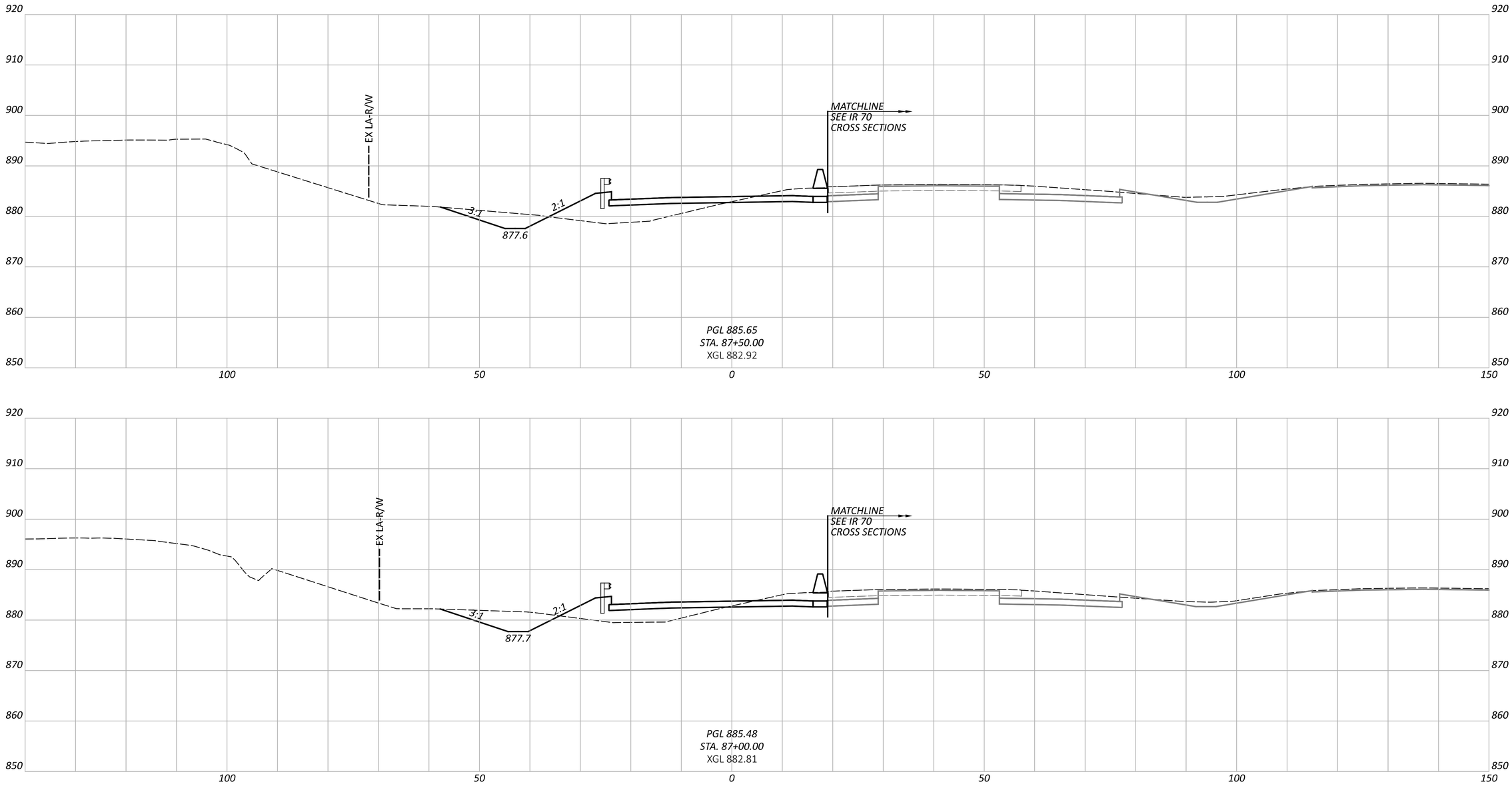
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0755 | TOTAL P.1556



CROSS SECTIONS - RAMP H
STA. 87+00.00 TO STA. 87+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 87+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:50 AM USER: brieder
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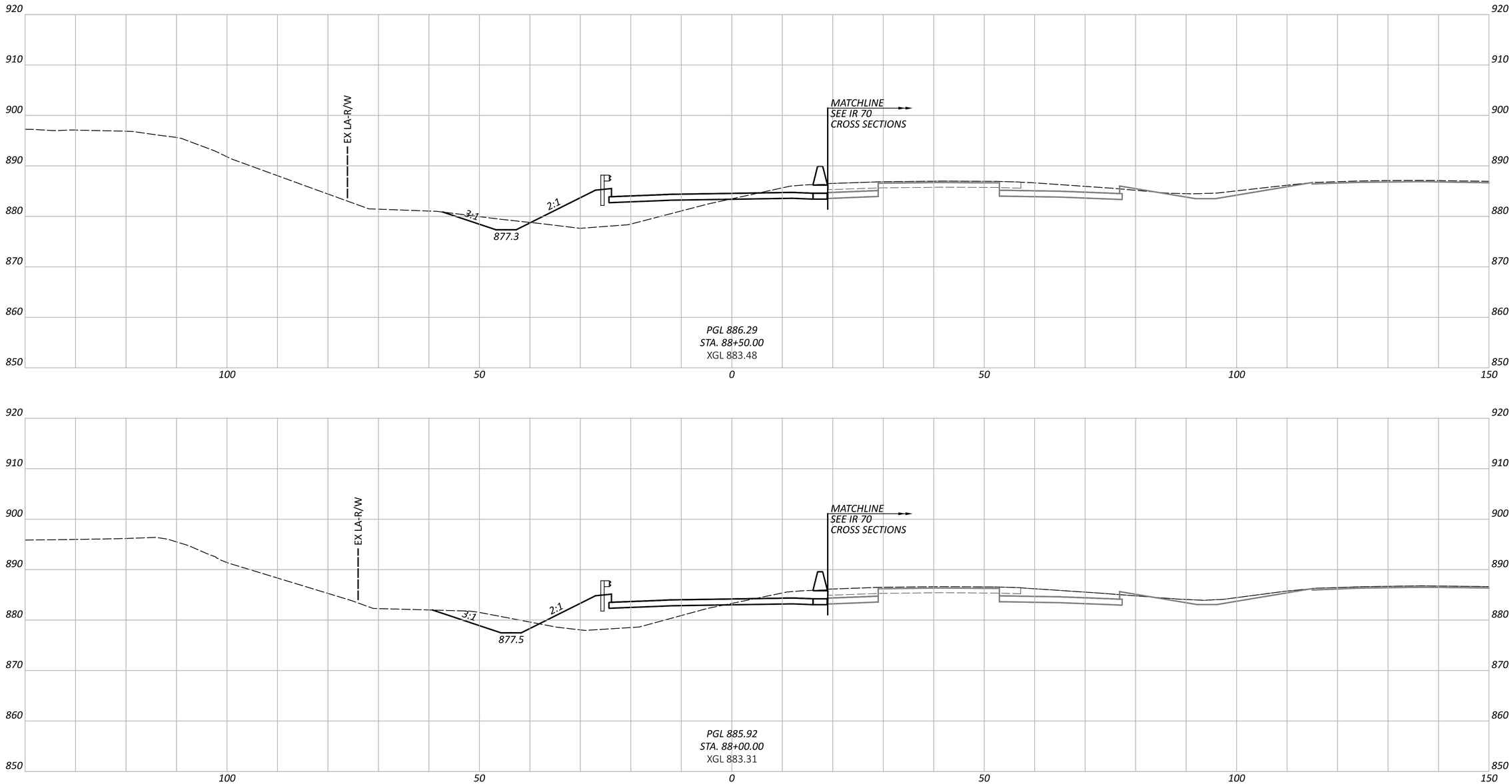
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0756 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP H
STA. 88+00.00 TO STA. 88+50.00

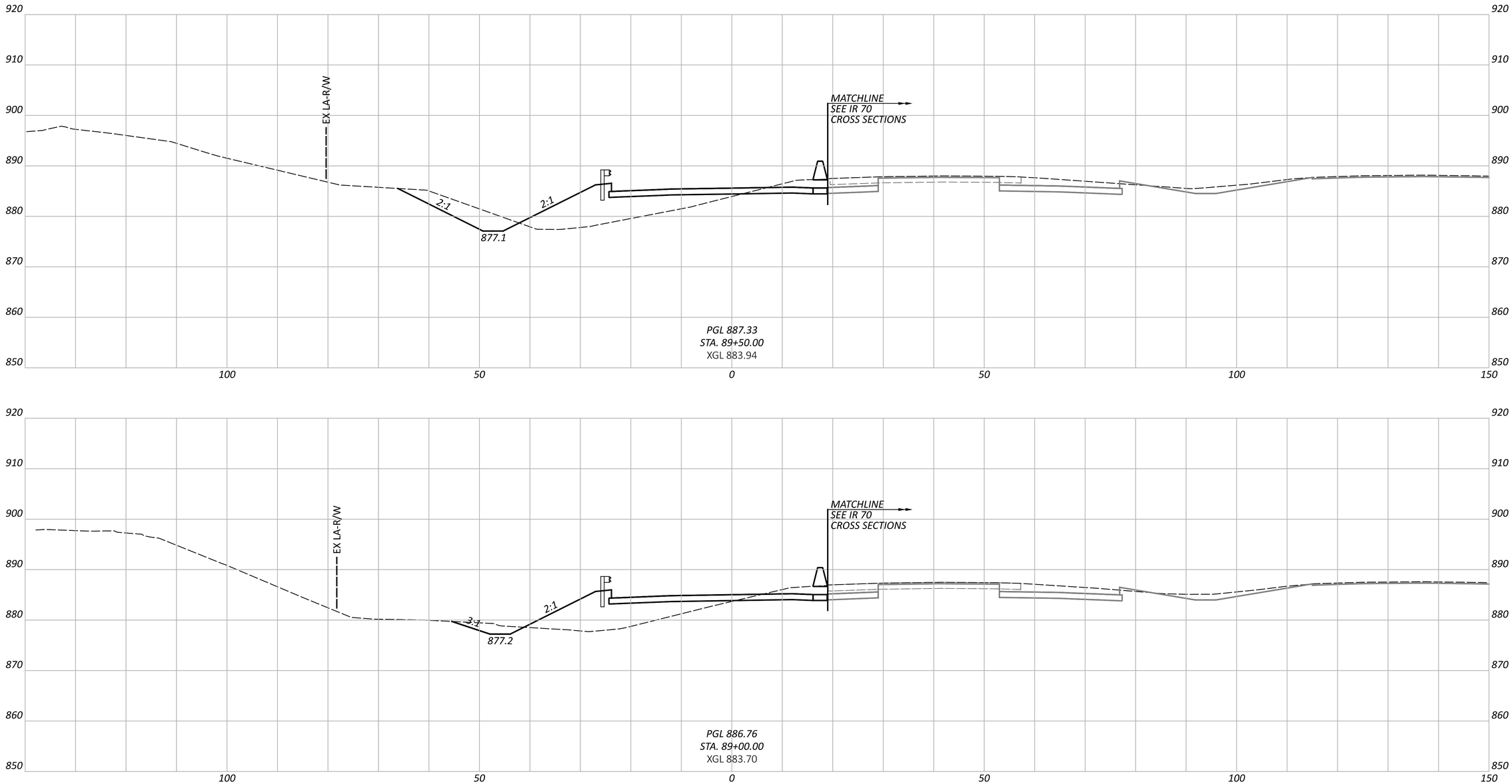
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0757 TOTAL P.1556



CROSS SECTIONS - RAMP H
STA. 89+00.00 TO STA. 89+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0758 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 89+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:10:59 AM USER: brieder
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CROSS SECTIONS - RAMP H
STA. 90+00.00 TO STA. 90+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 90+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:03 AM USER: brieder
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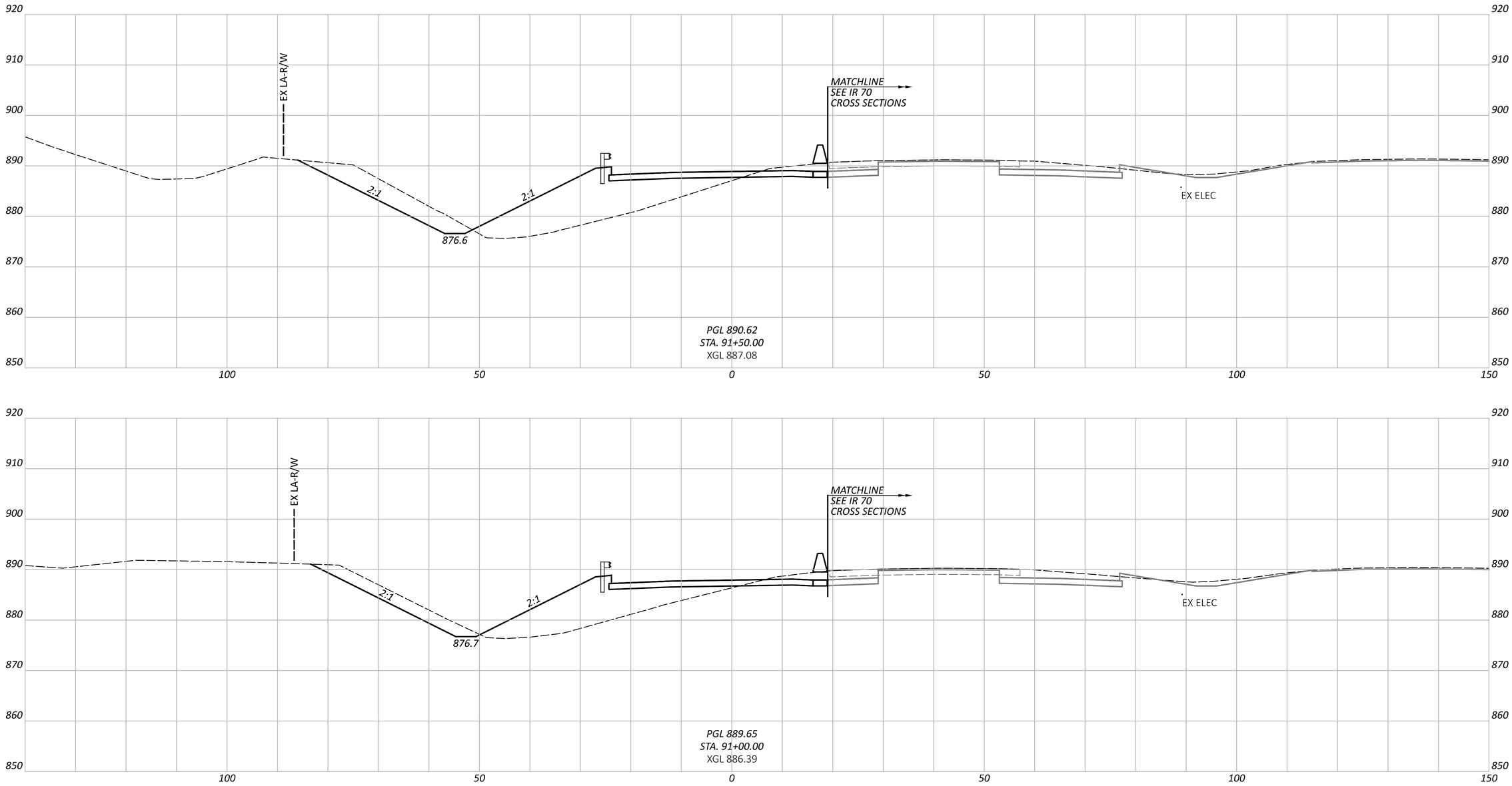
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0759 TOTAL P.1556



CROSS SECTIONS - RAMP H
STA. 91+00.00 TO STA. 91+50.00

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0760 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 91+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:08 AM USER: brieder
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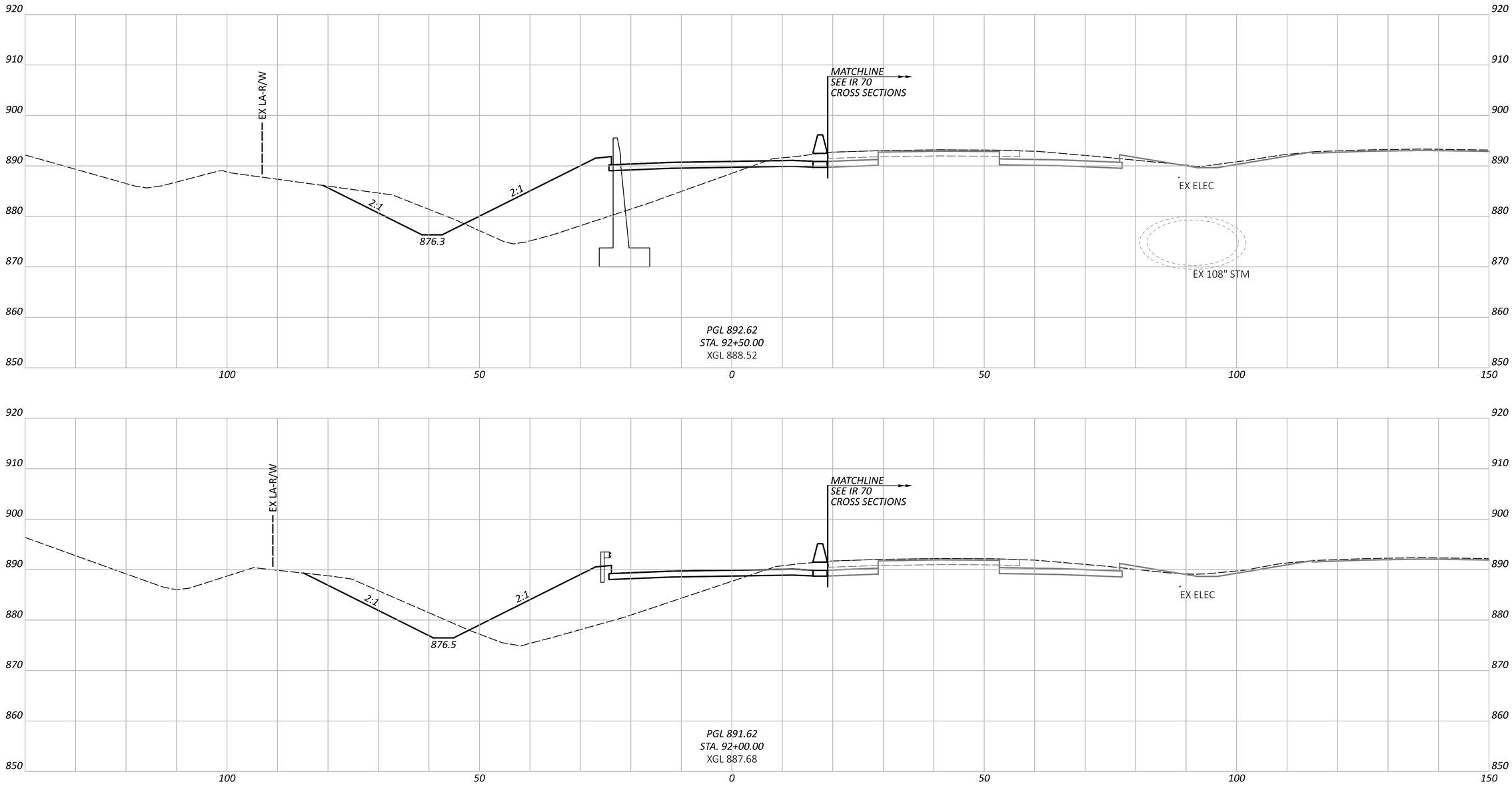

CROSS SECTIONS - RAMP H
STA. 92+00.00 TO STA. 92+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0761 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 92+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:12 AM USER: brieder
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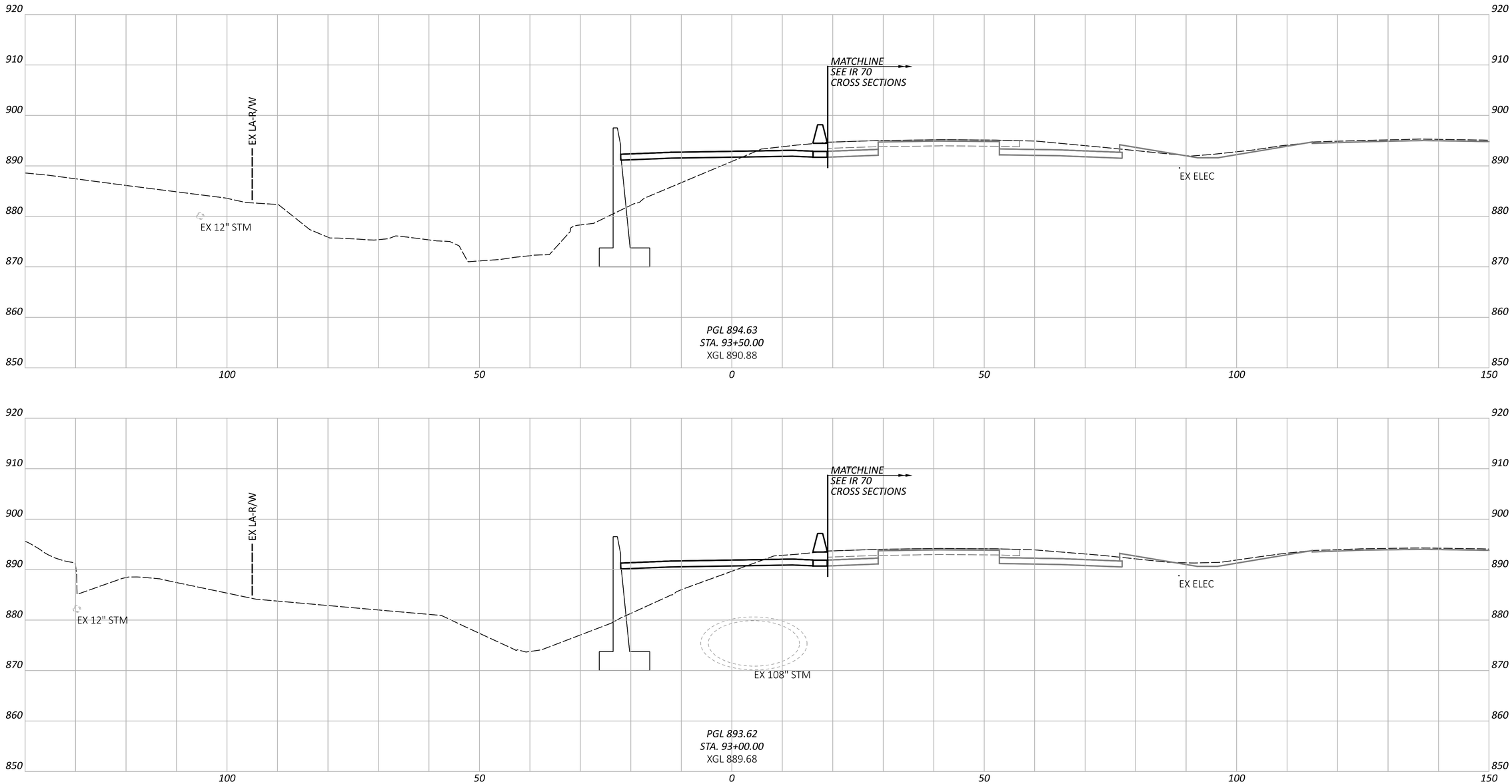

CROSS SECTIONS - RAMP H
STA. 93+00.00 TO STA. 93+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0762 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 93+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:17 AM USER: brieder
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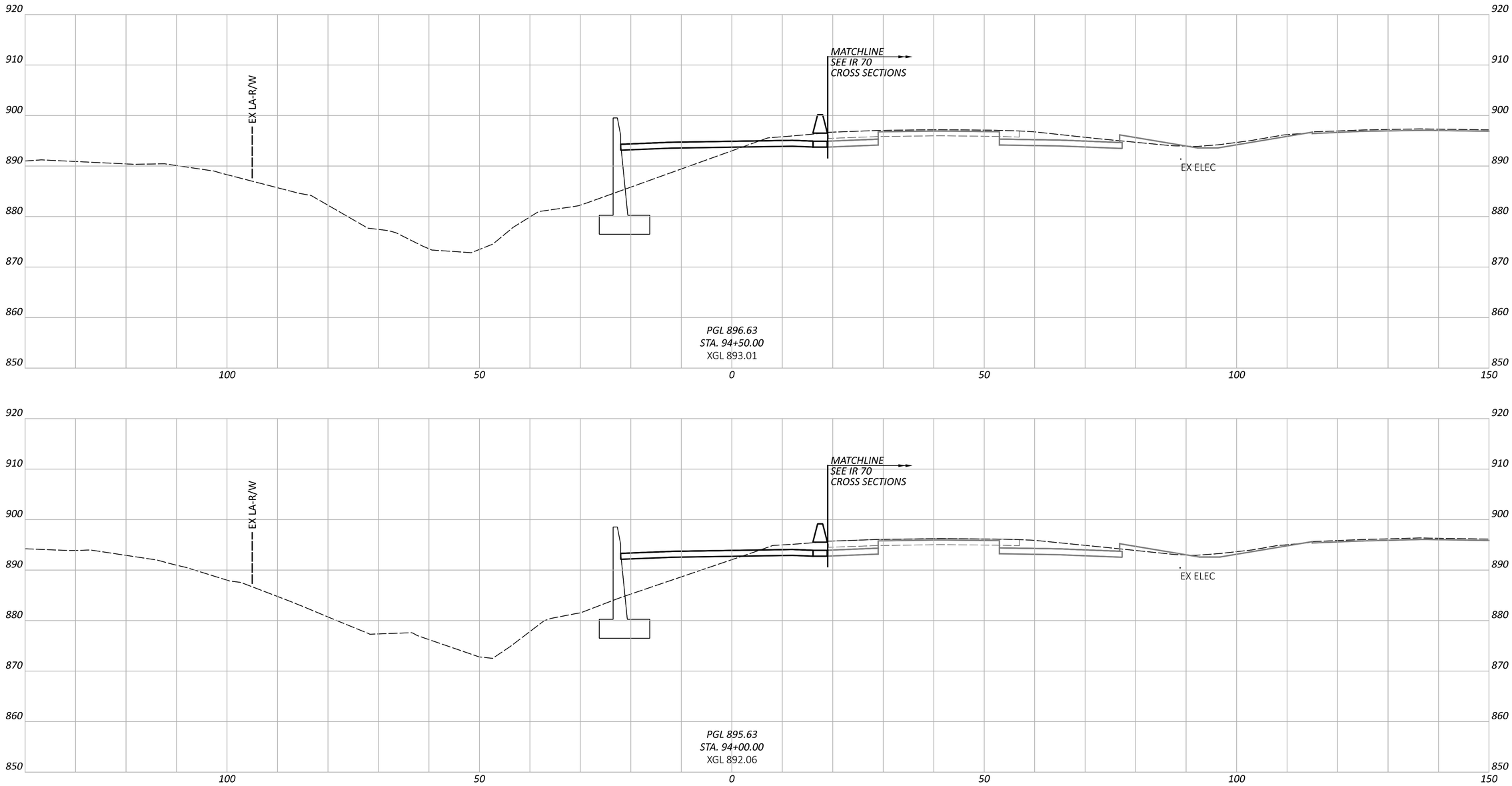

CROSS SECTIONS - RAMP H
STA. 94+00.00 TO STA. 94+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0763
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 94+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:22 AM USER: brieder
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CROSS SECTIONS - RAMP H
STA. 95+00.00 TO STA. 95+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 95+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:27 AM USER: brieder
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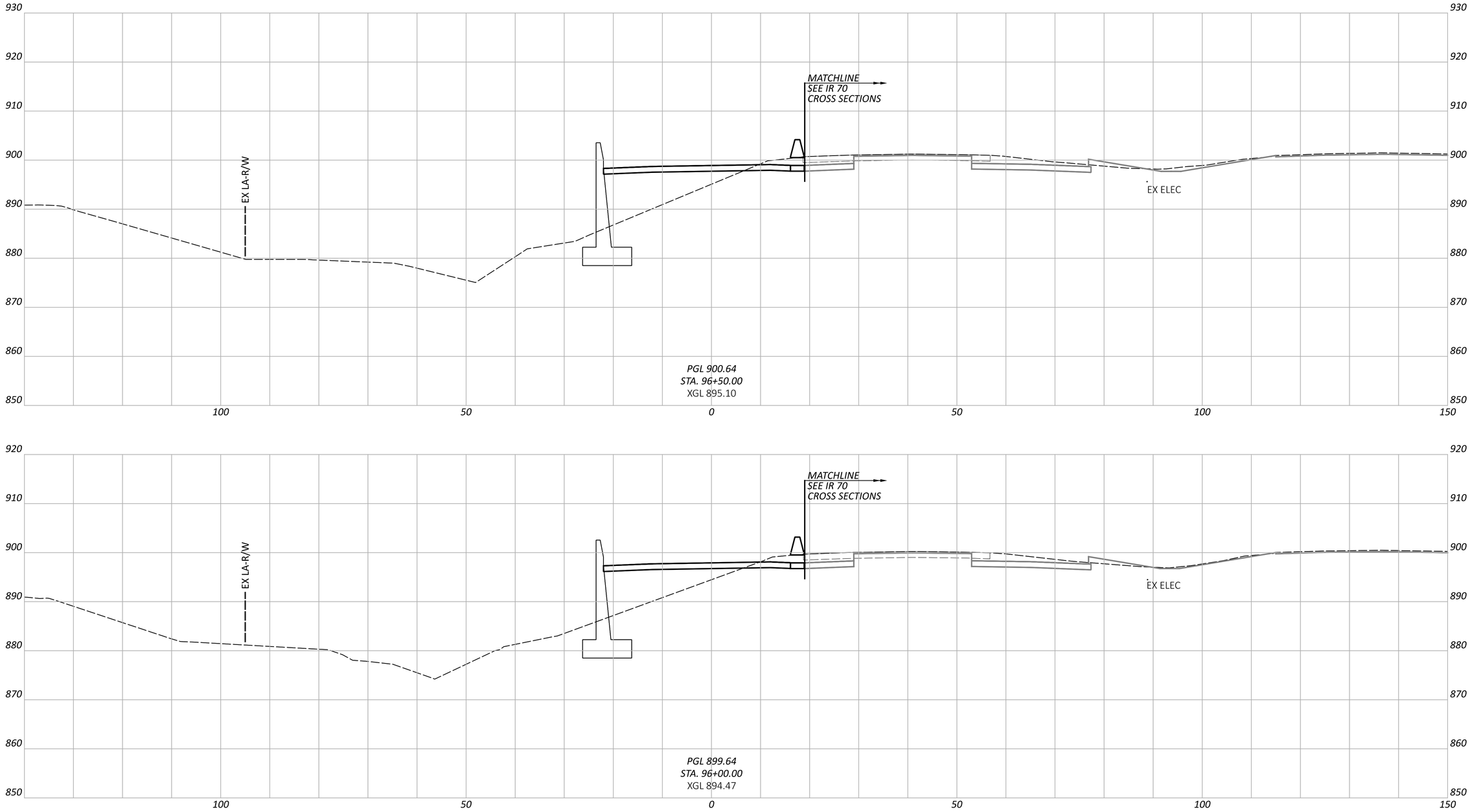
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0764 | TOTAL P.1556



CROSS SECTIONS - RAMP H
STA. 96+00.00 TO STA. 96+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - 96+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:11:31 AM USER: brieder
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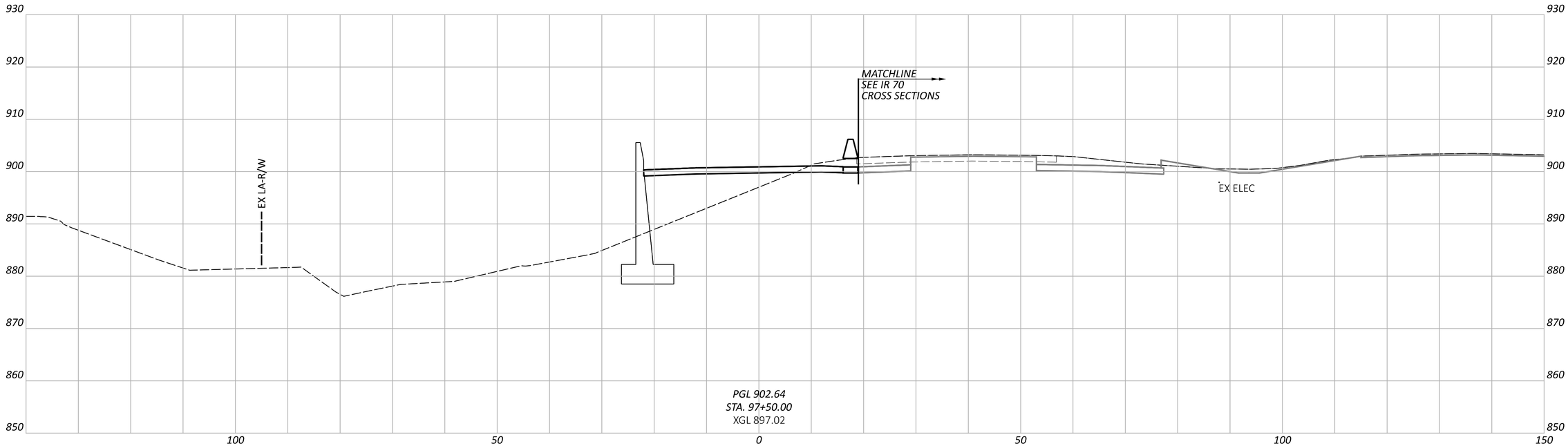
DESIGN AGENCY
STRUCTUREPOINT LLC

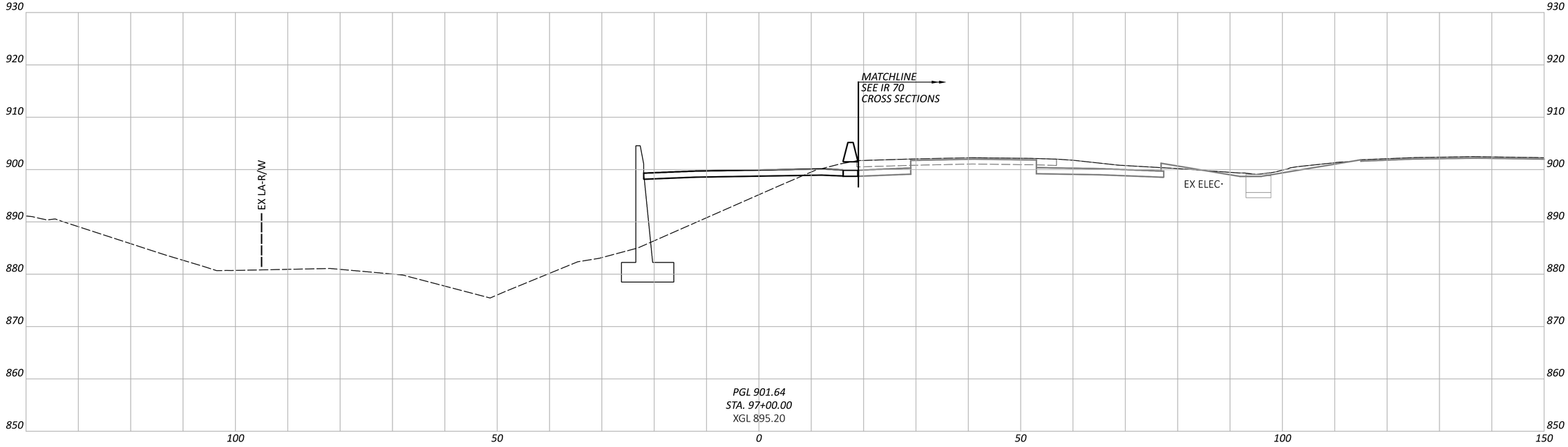
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0765 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 97+00.00 TO STA. 97+50.00

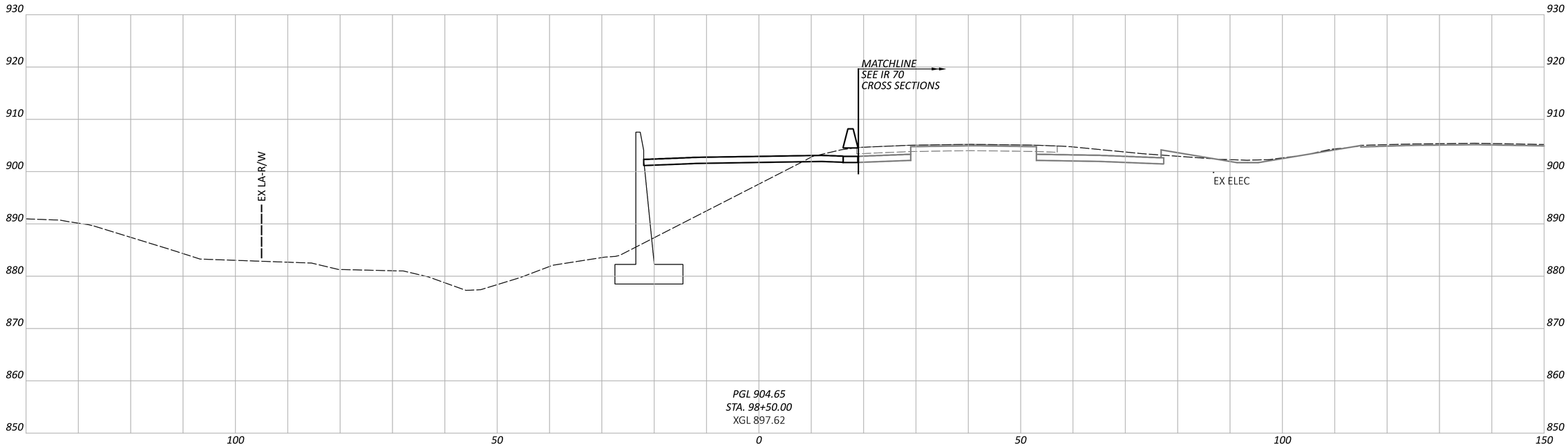
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

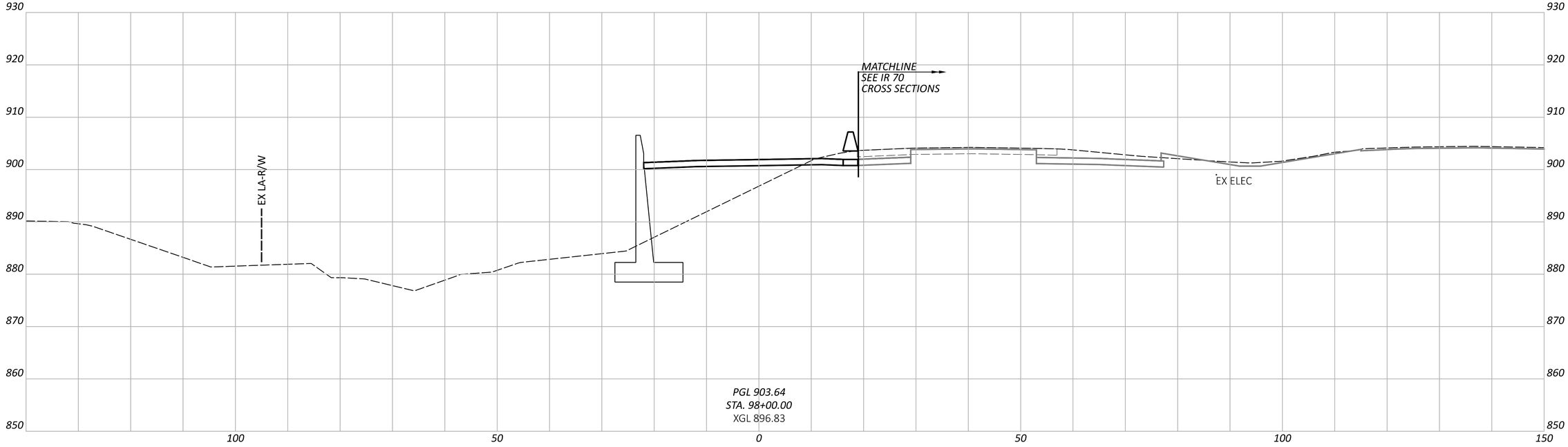
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0766 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 98+00.00 TO STA. 98+50.00

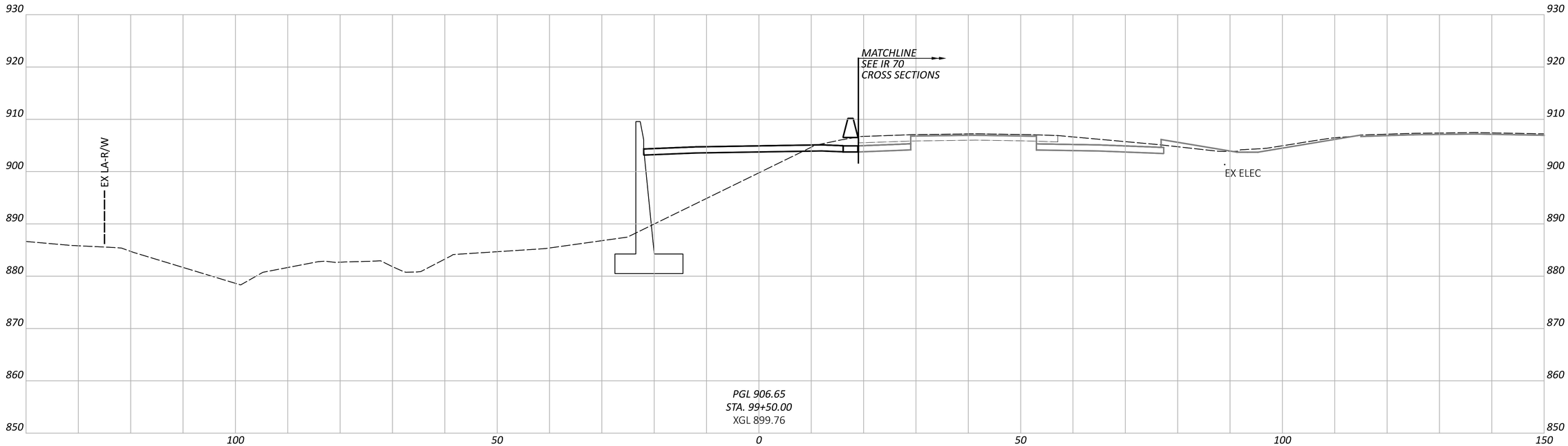
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

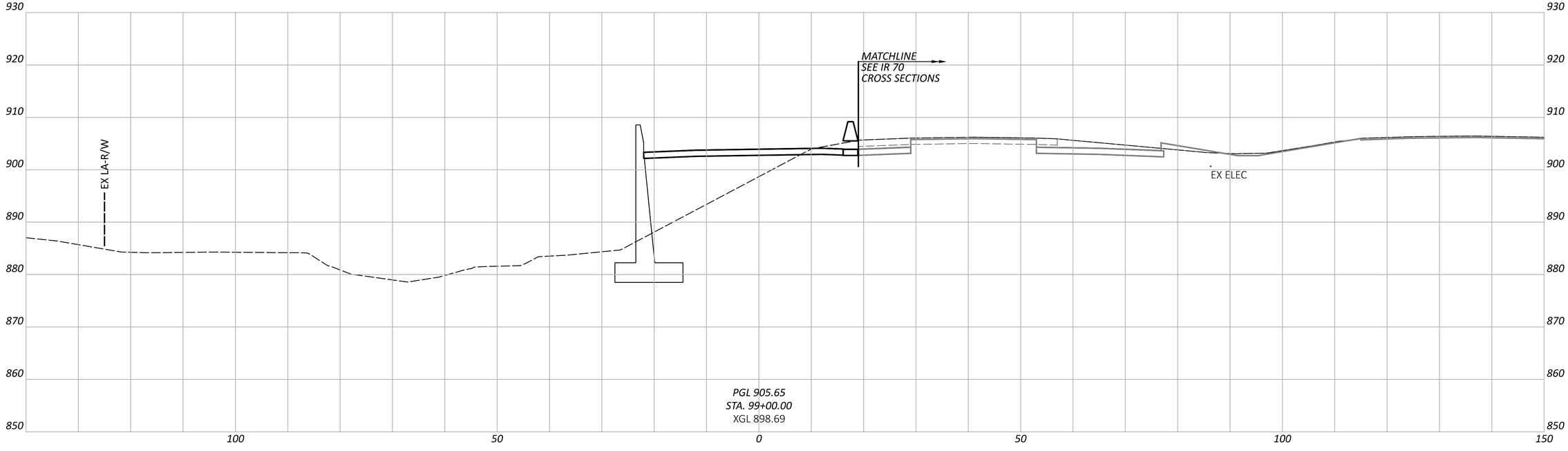
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0767 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 99+00.00 TO STA. 99+50.00

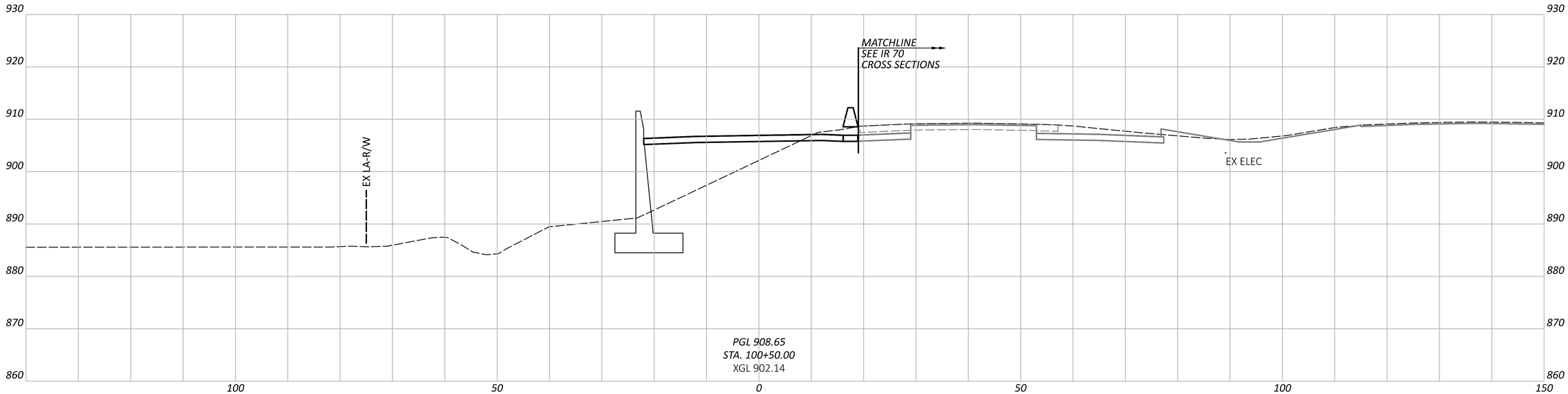
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

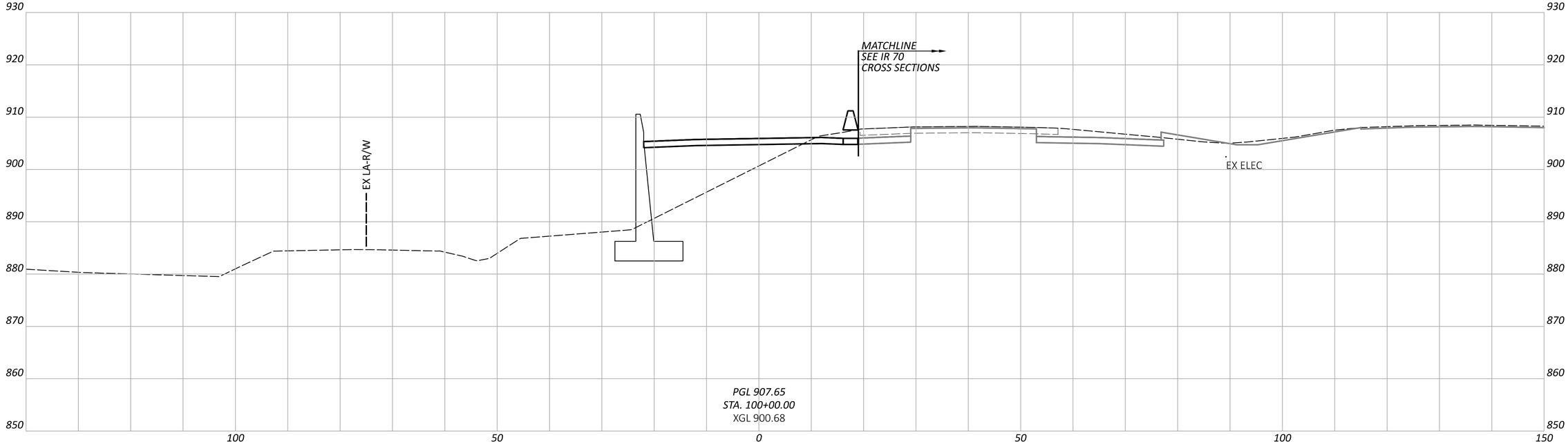
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0768 TOTAL P.1556





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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0769 | TOTAL P.1556

CROSS SECTIONS - RAMP H
STA. 101+00.00 TO STA. 101+50.00

FAI/LIC-IR 70-0.00/0.00

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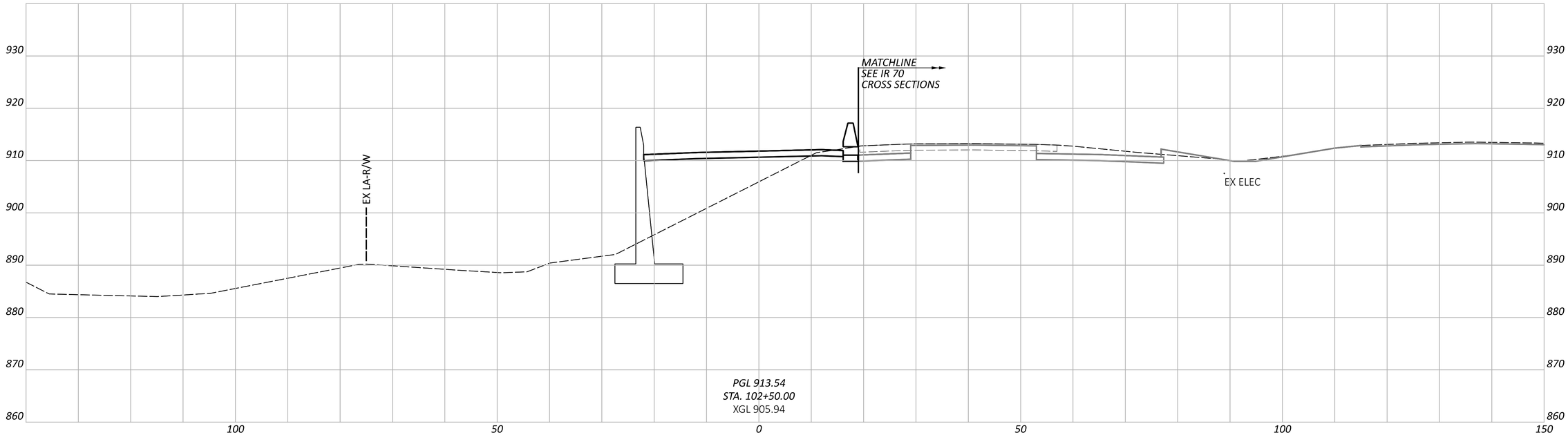
DESIGN AGENCY
STRUCTUREPOINT LLC

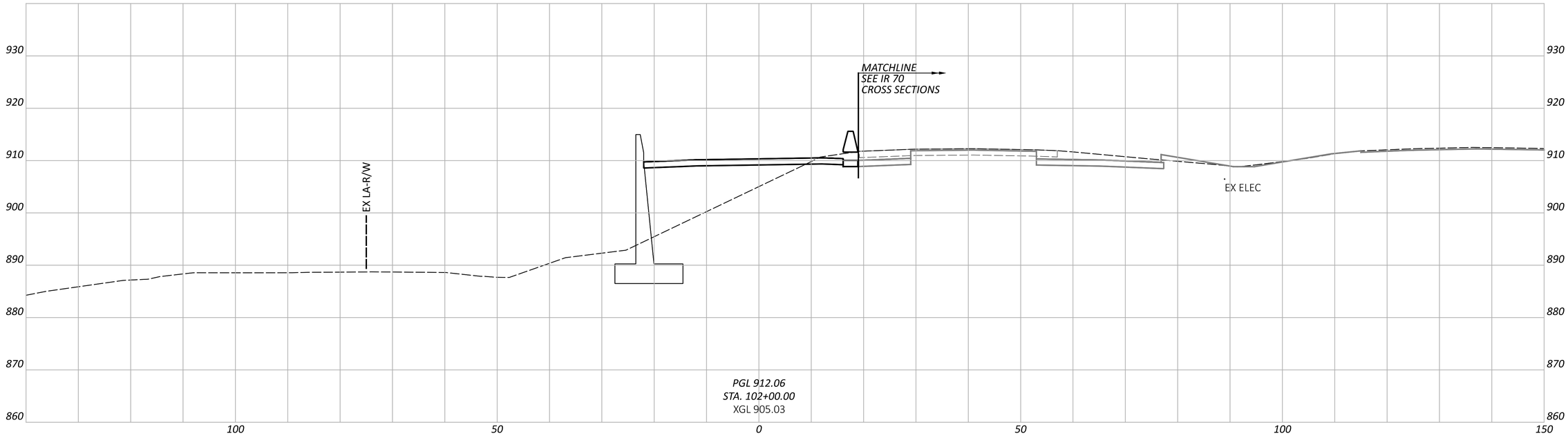
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0770 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 102+00.00 TO STA. 102+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
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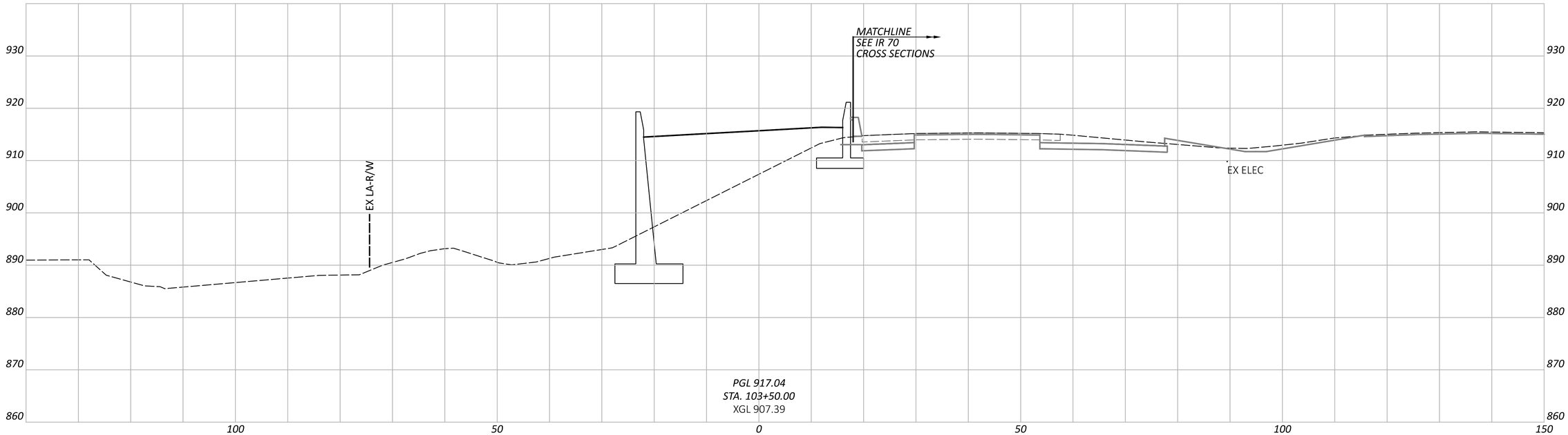
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0771 TOTAL P.1556



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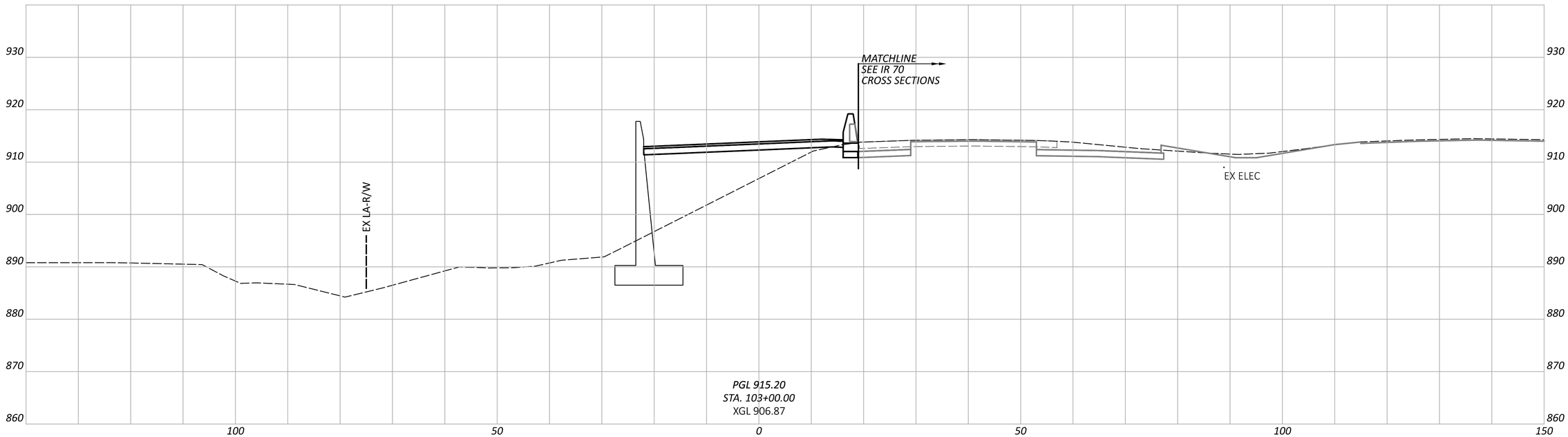

PGL 915.20
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XGL 906.87

CROSS SECTIONS - RAMP H
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FAI/LIC-IR 70-0.00/0.00

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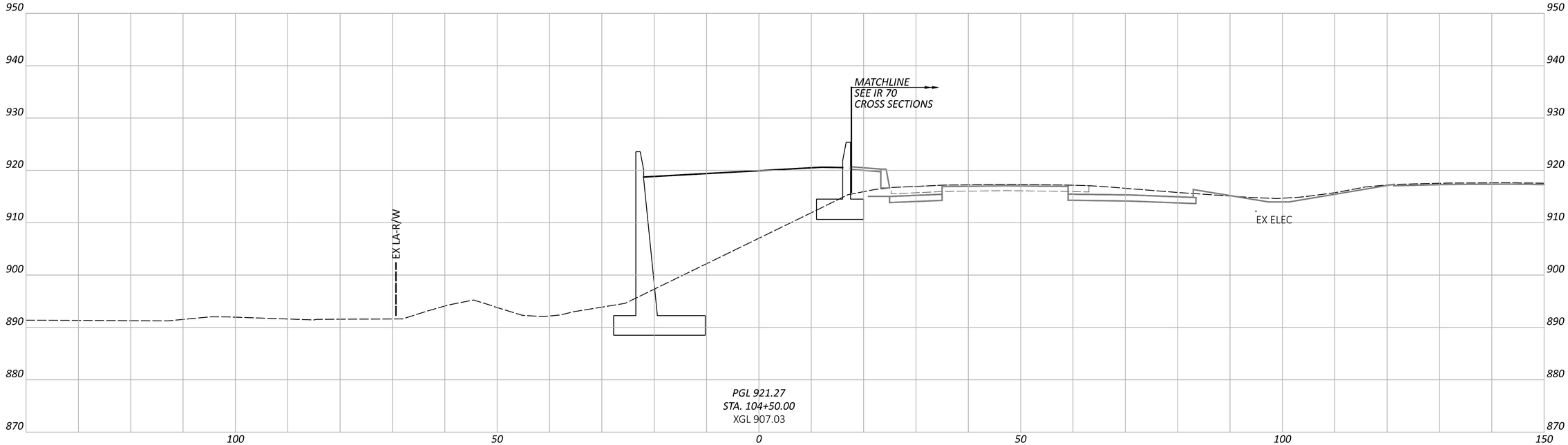
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

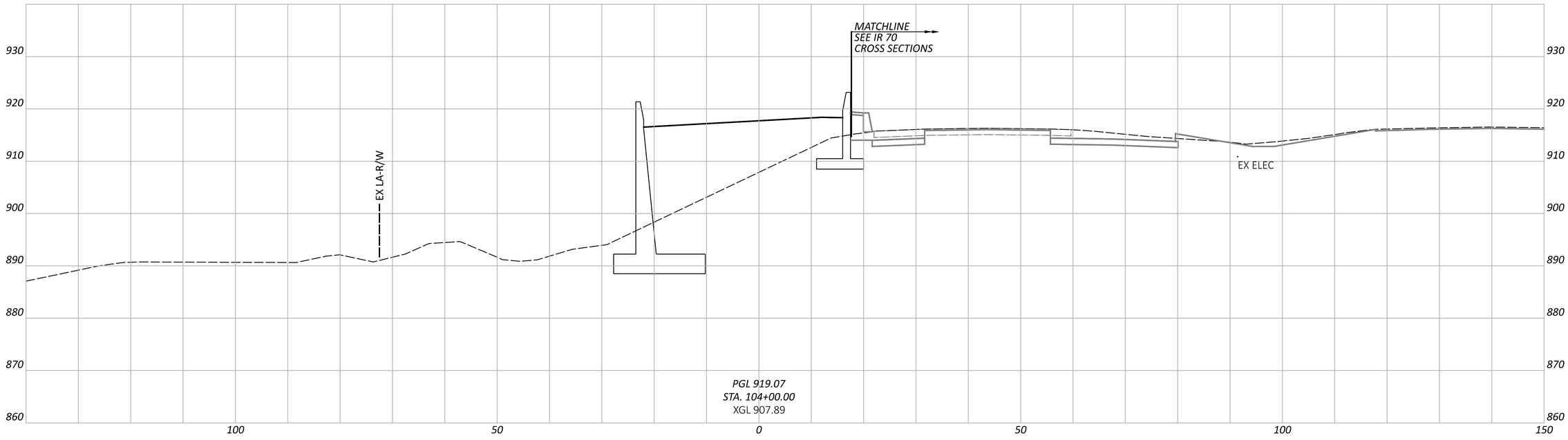
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0772 TOTAL P.1556





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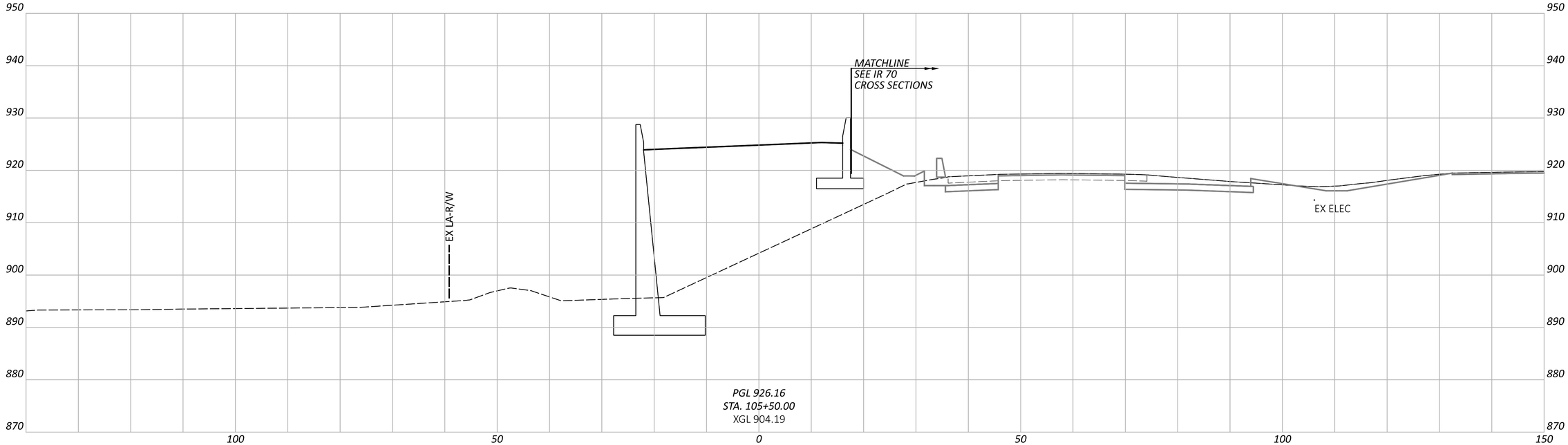
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

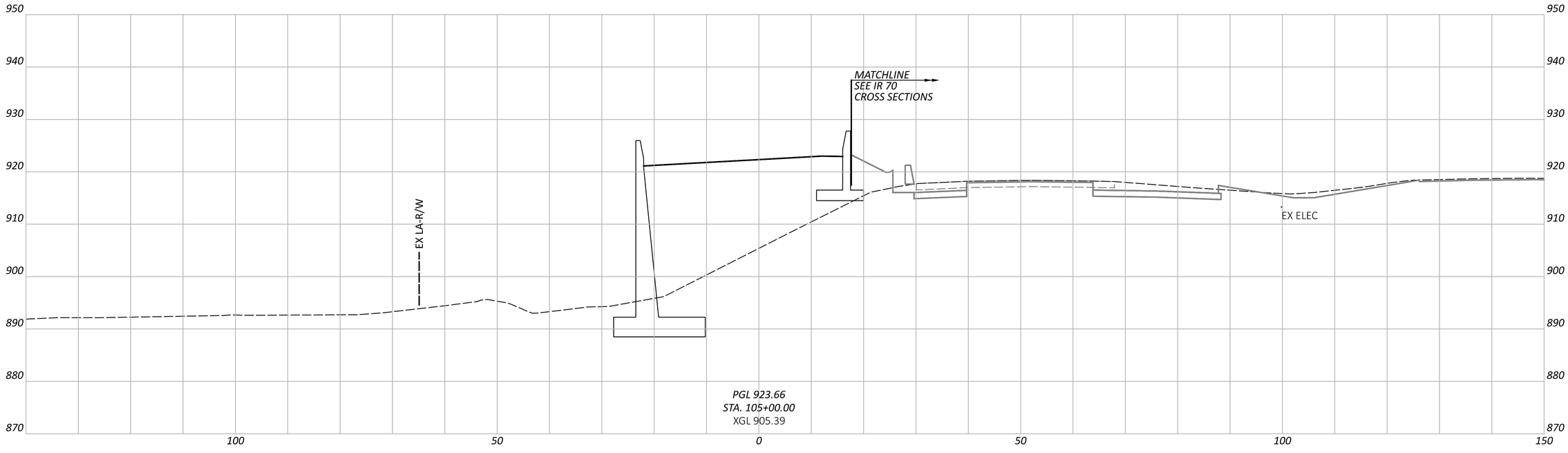
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0773 | TOTAL P.1556





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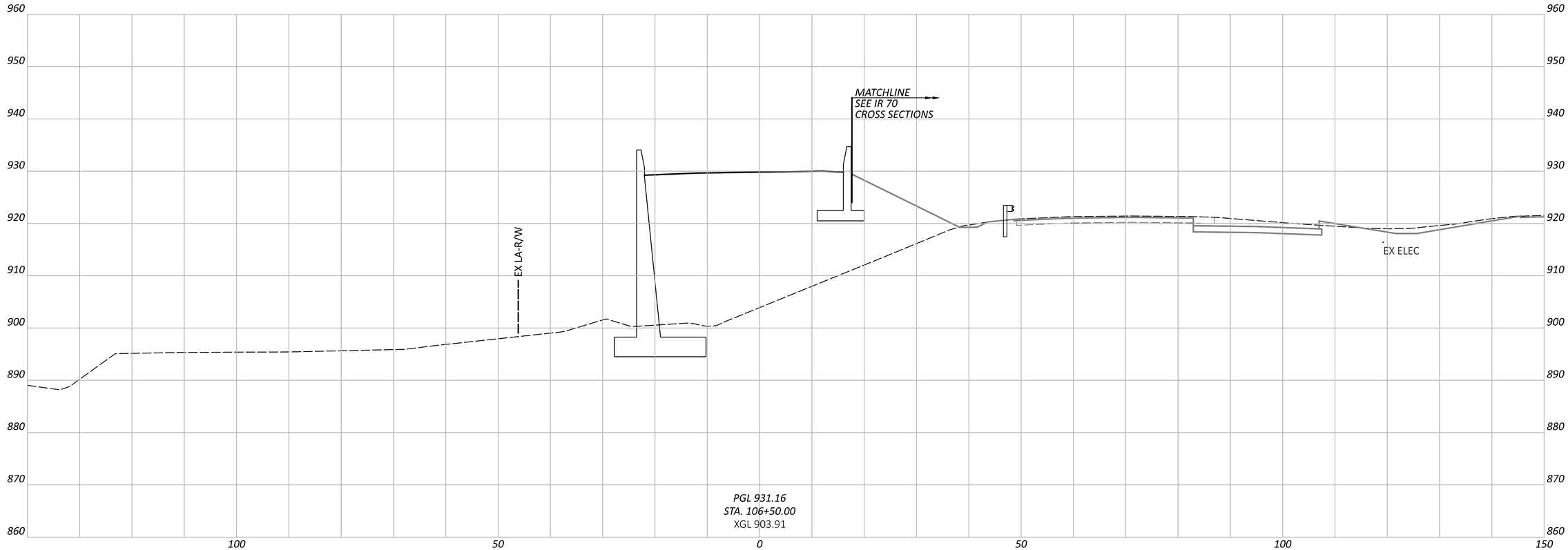
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

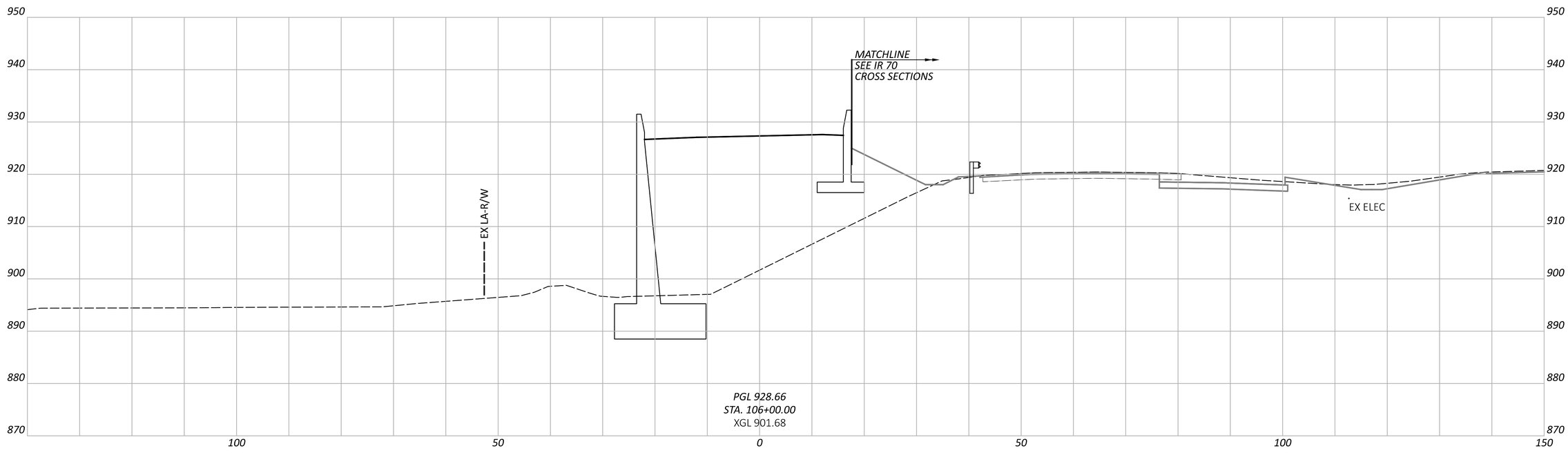
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0774 TOTAL P.1556





CROSS SECTIONS - RAMP H
STA. 106+00.00 TO STA. 106+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0775 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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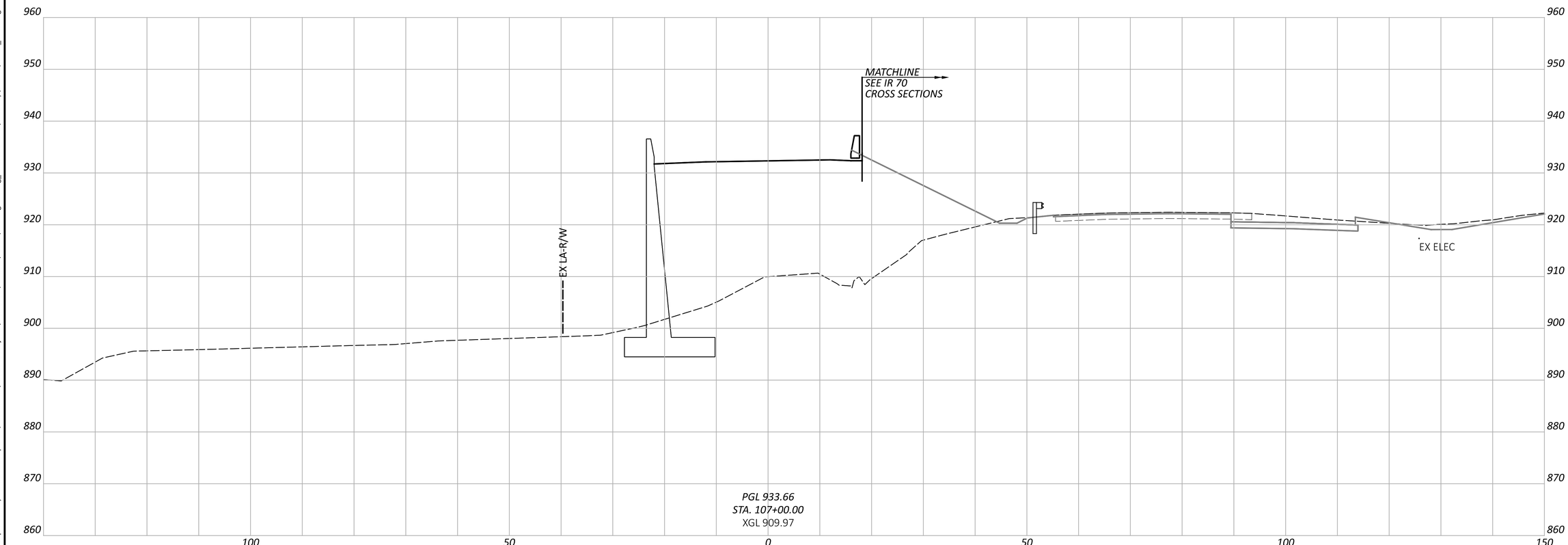

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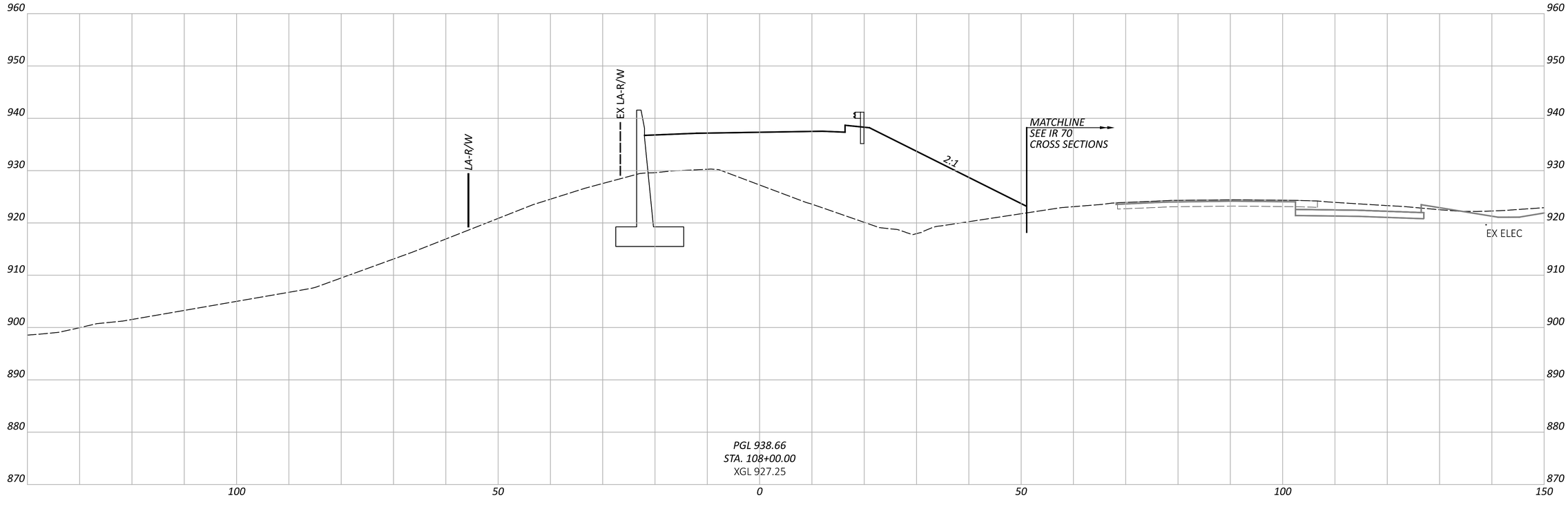
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

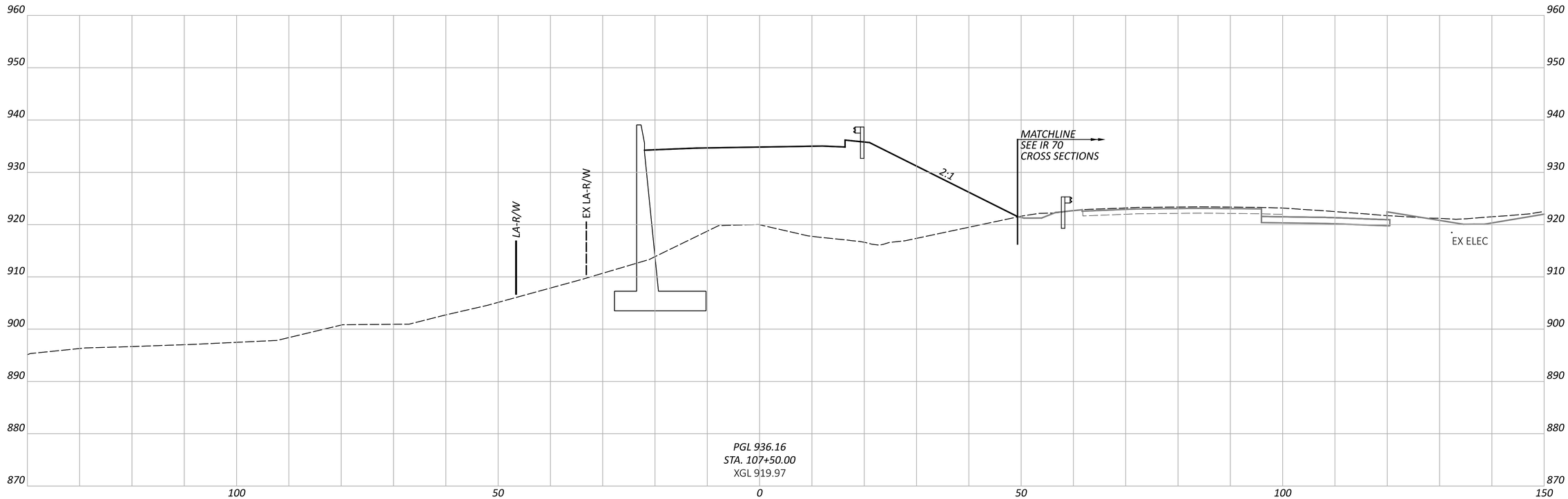
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0776 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 107+50.00 TO STA. 108+00.00

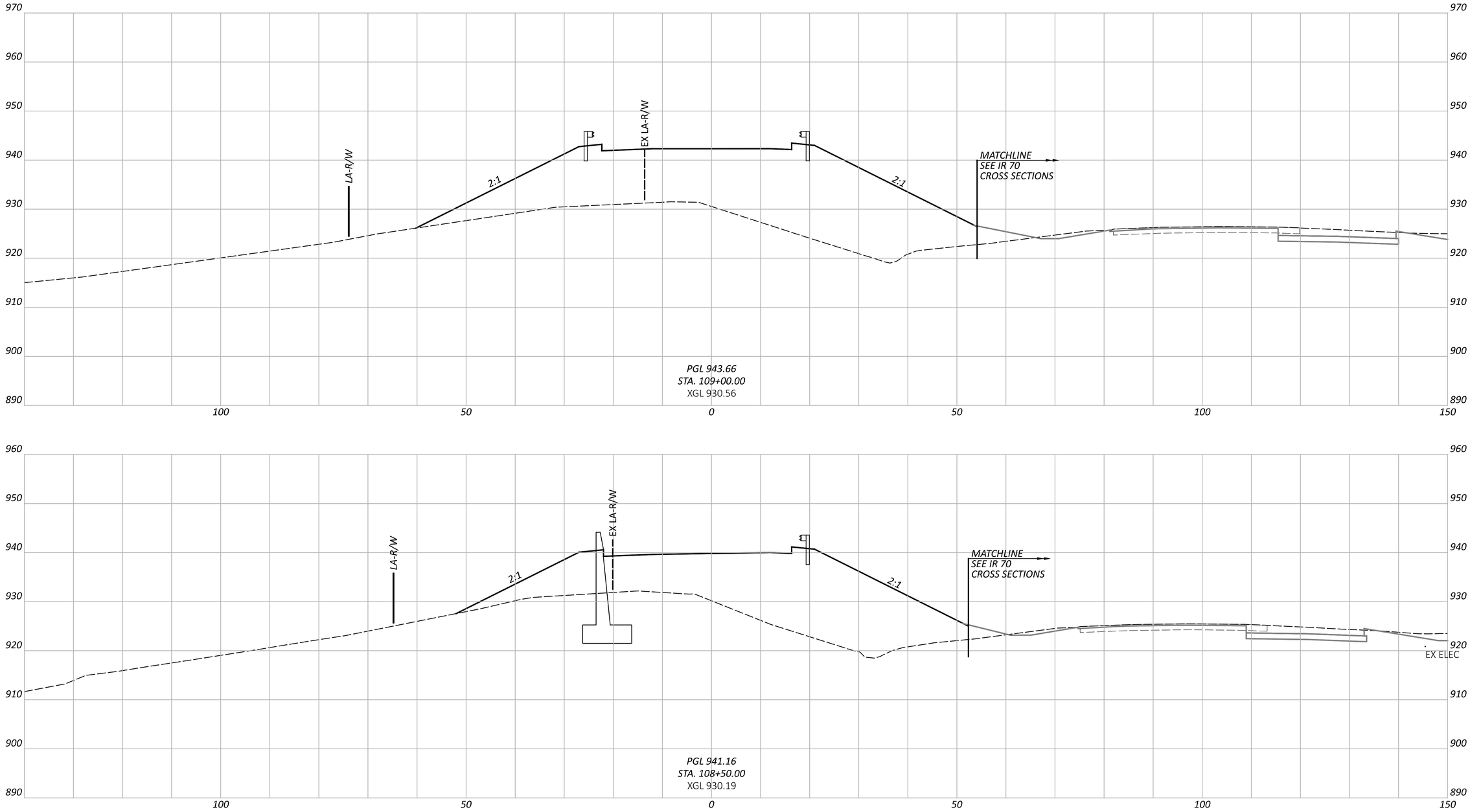
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0777 TOTAL P.1556



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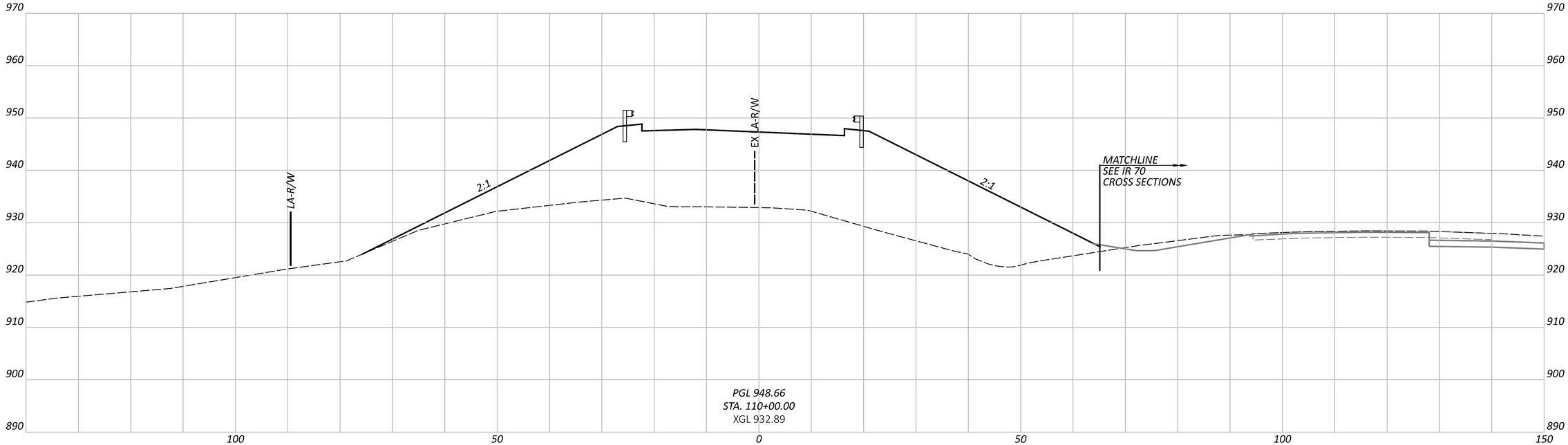
DESIGN AGENCY
STRUCTUREPOINT INC.

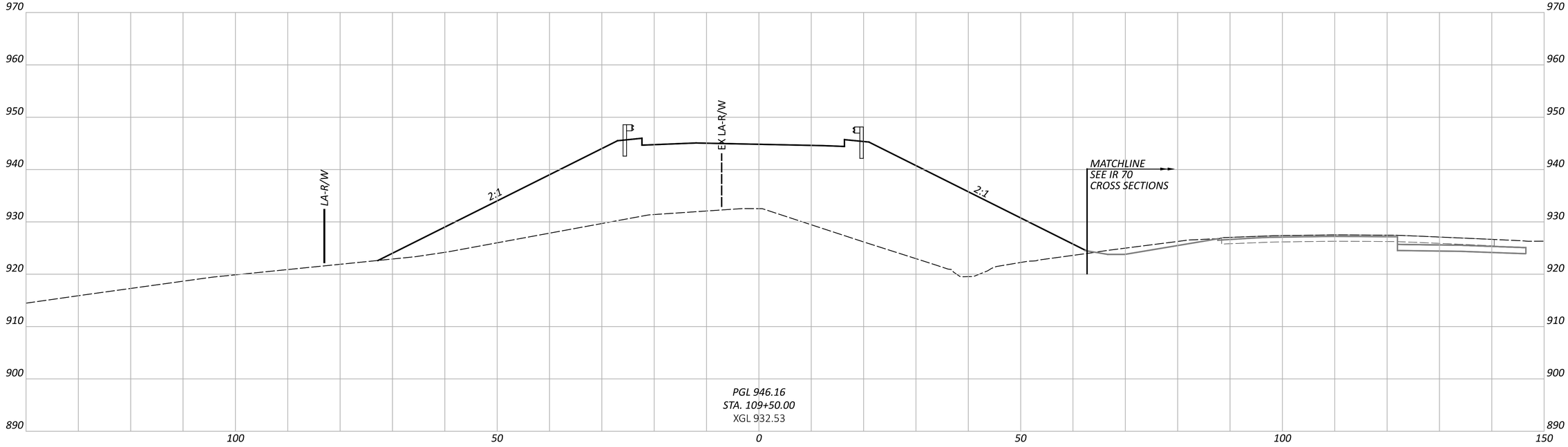
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0778 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 109+50.00 TO STA. 110+00.00

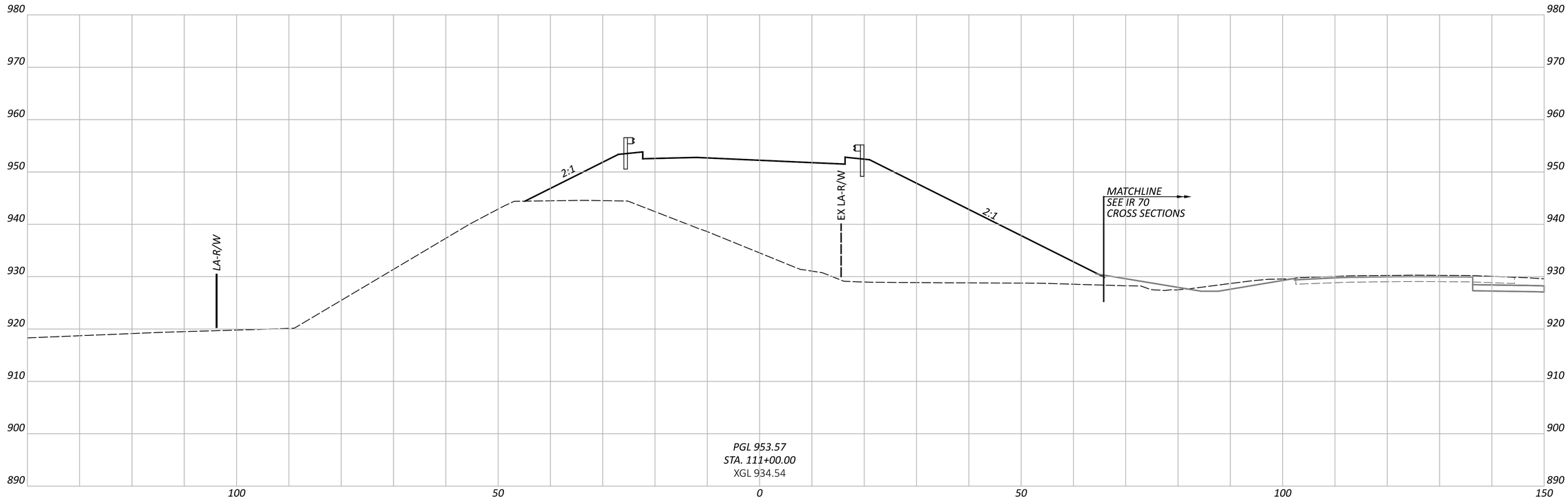
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

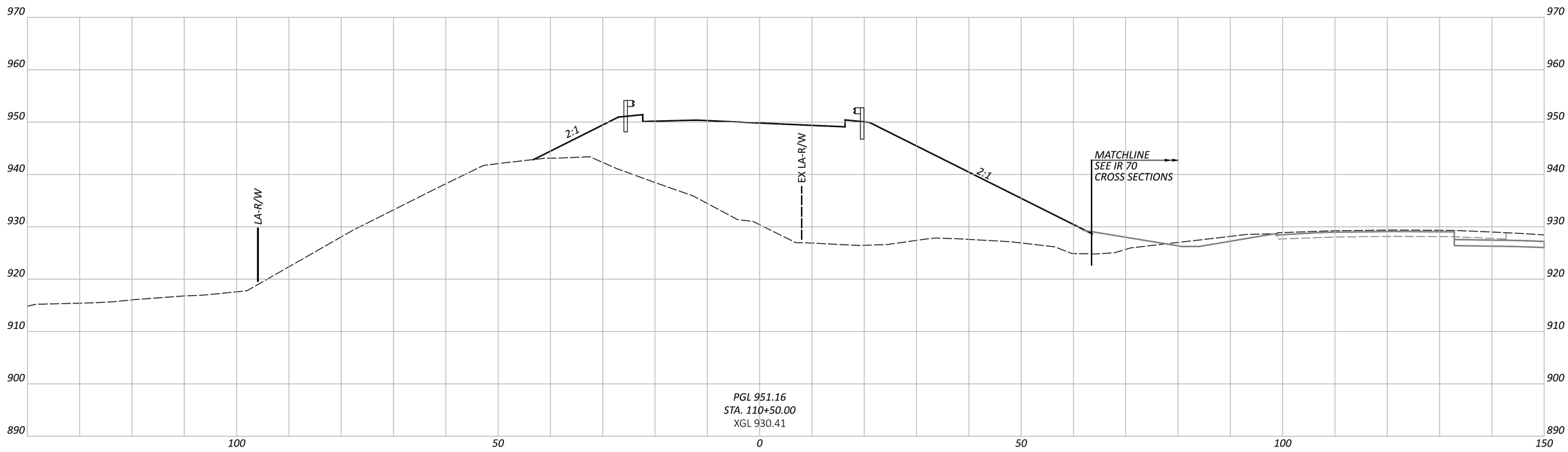
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0779 TOTAL P.1556





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CROSS SECTIONS - RAMP H
STA. 110+50.00 TO STA. 111+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0780 TOTAL P.1556

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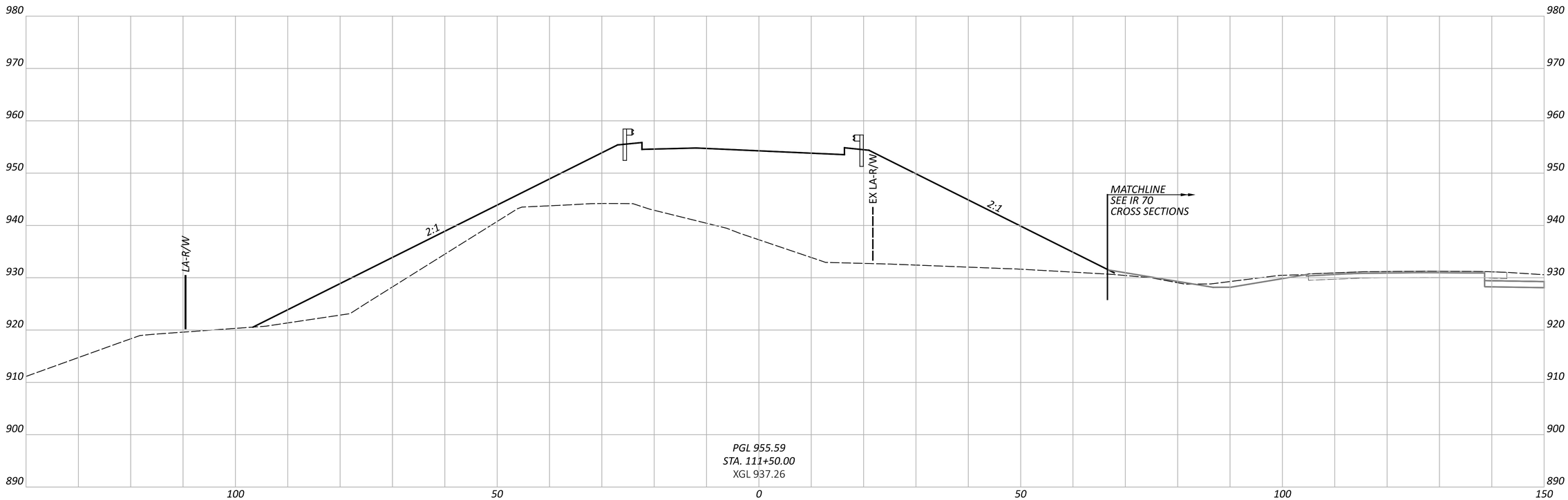


CROSS SECTIONS - RAMP H
STA. 111+50.00

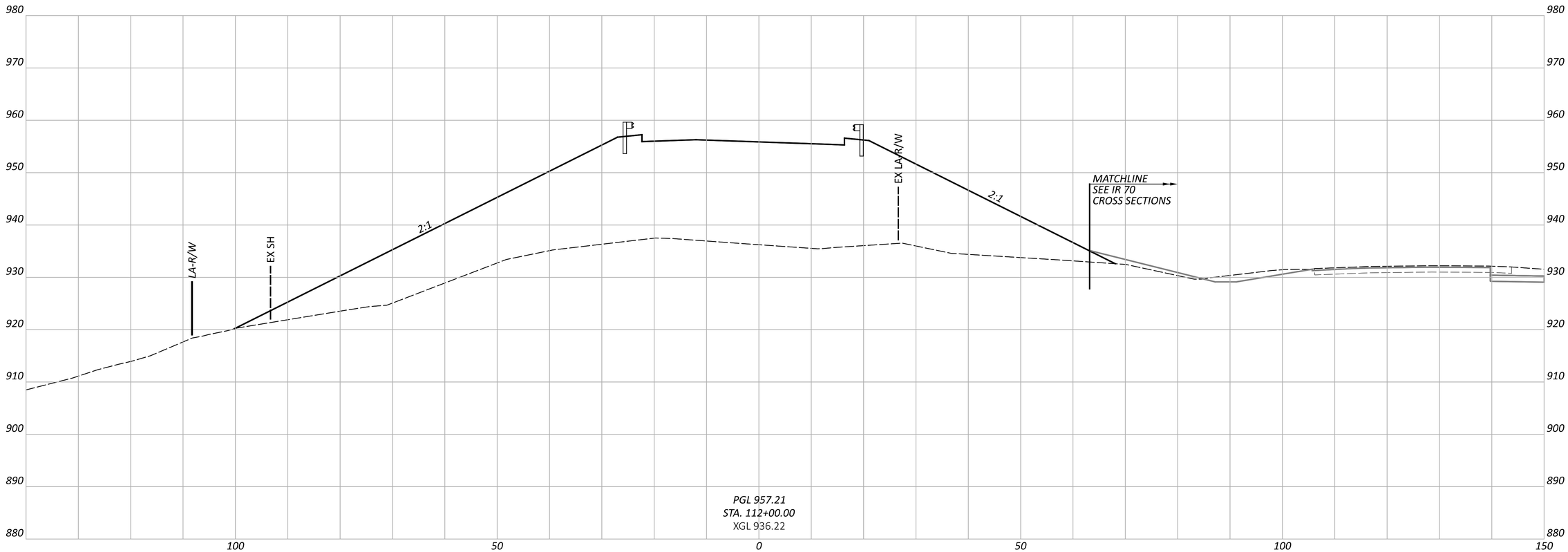
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0781 TOTAL P.1556



CROSS SECTIONS - RAMP H
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FAI/LIC-IR 70-0.00/0.00

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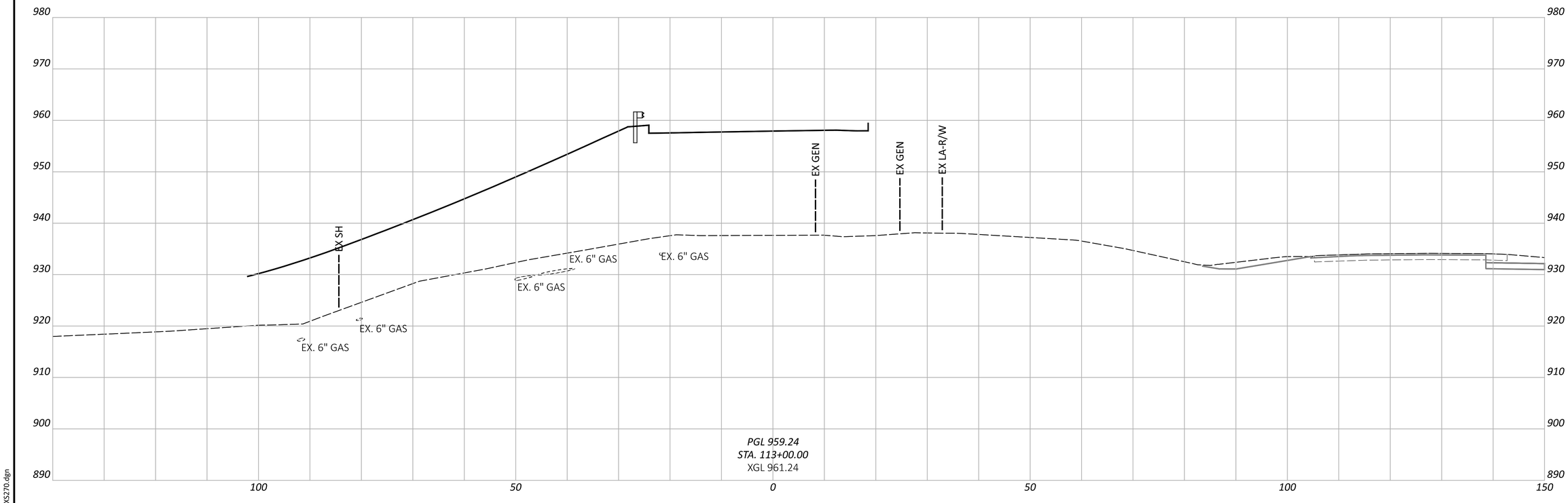
DESIGN AGENCY
STRUCTUREPOINT LLC

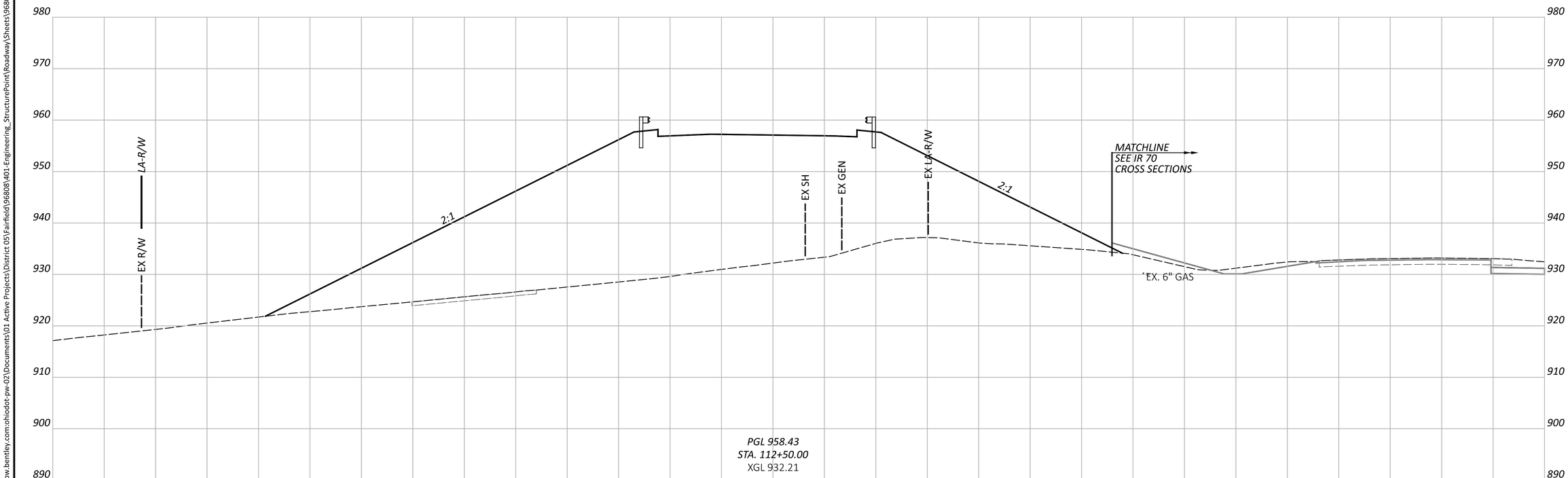
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0782 | TOTAL P.1556





CROSS SECTIONS - RAMP H
STA. 112+50.00 TO STA 113+0.00

FAI/LIC-IR 70-0.00/0.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0783 | TOTAL P.1556

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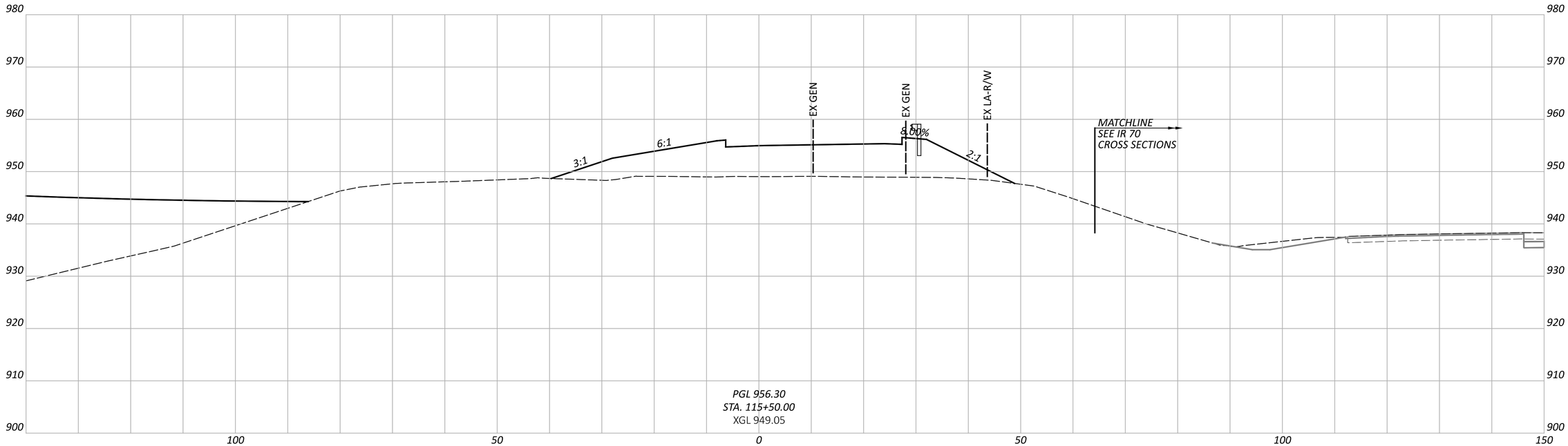

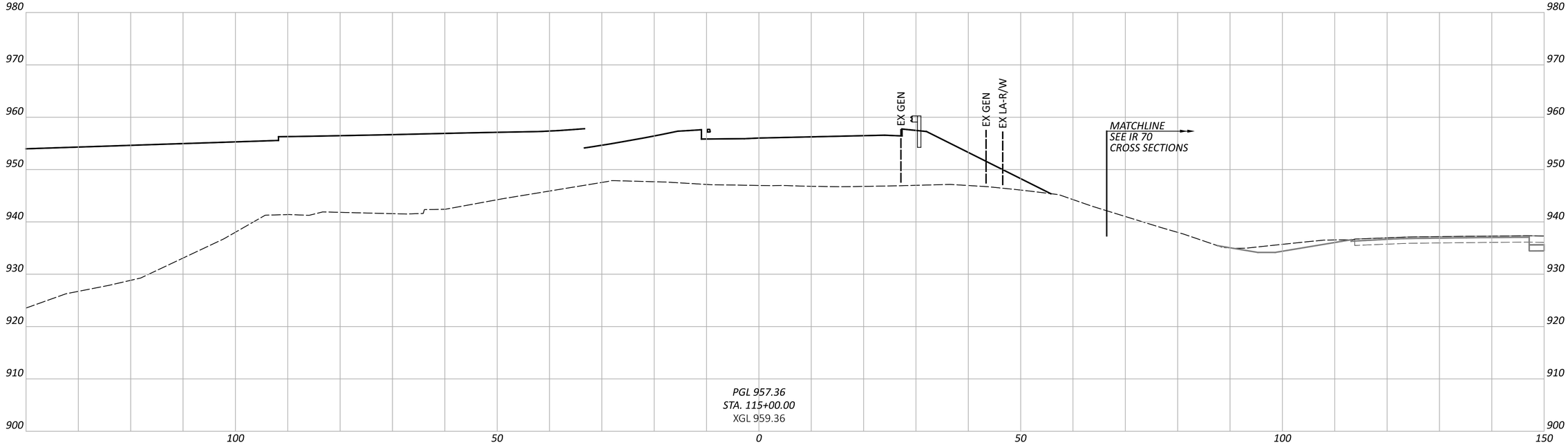

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP I
STA. 115+00.00 TO STA. 115+50.00

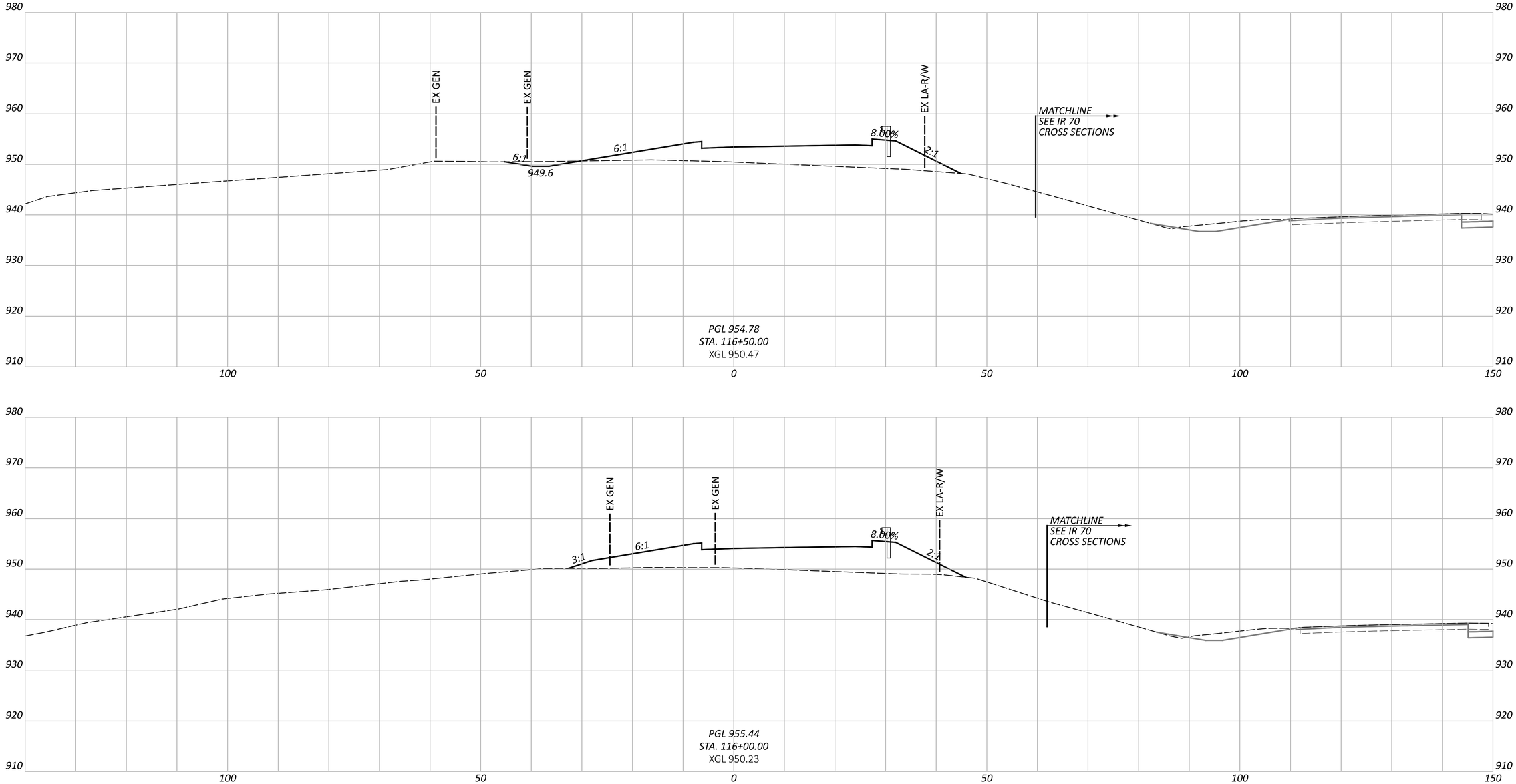
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0784 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP I
STA. 116+00.00 TO STA. 116+50.00

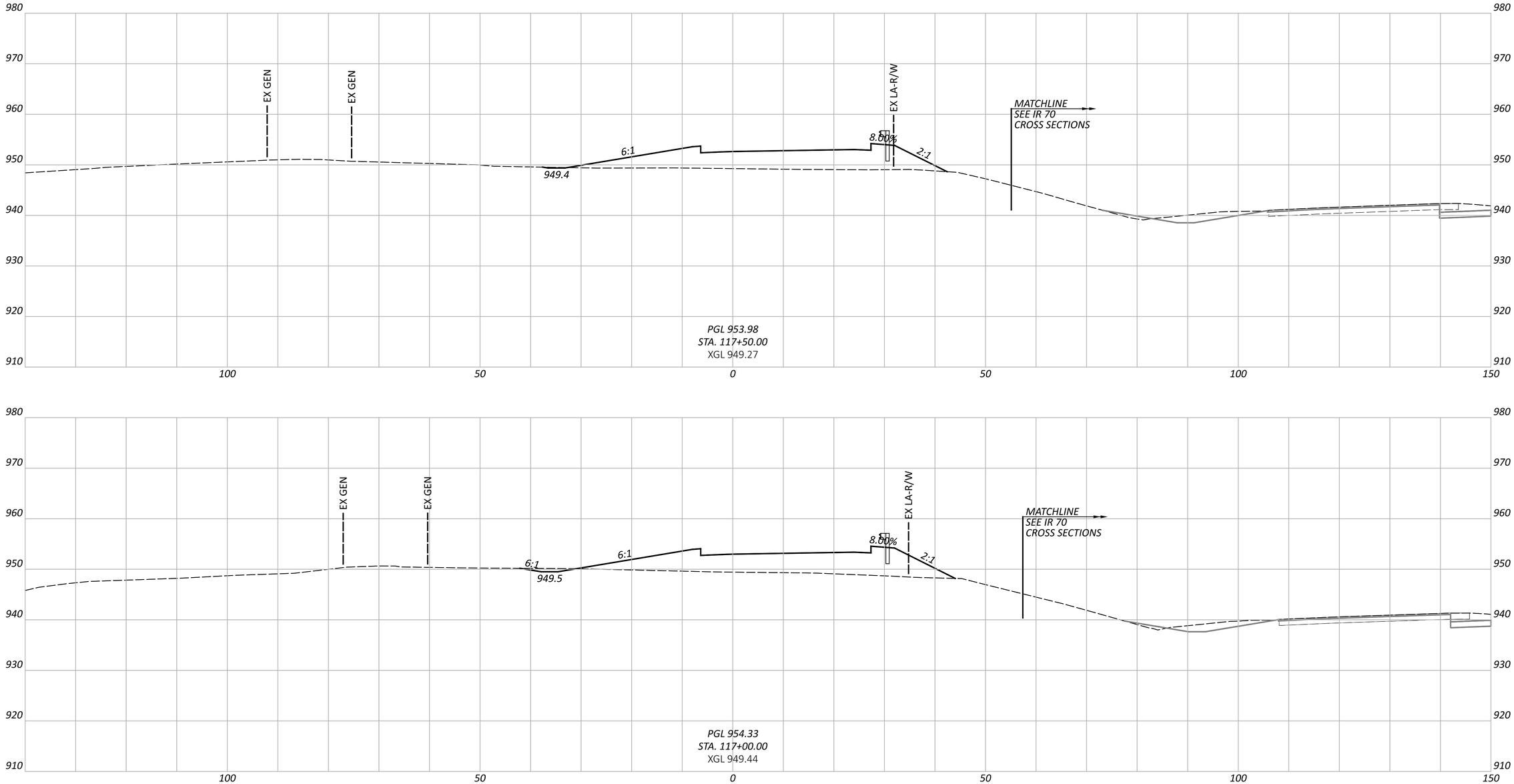
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0785 TOTAL P.1556



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STA. 117+00.00 TO STA. 117+50.00

FAI/LIC-IR 70-0.00/0.00

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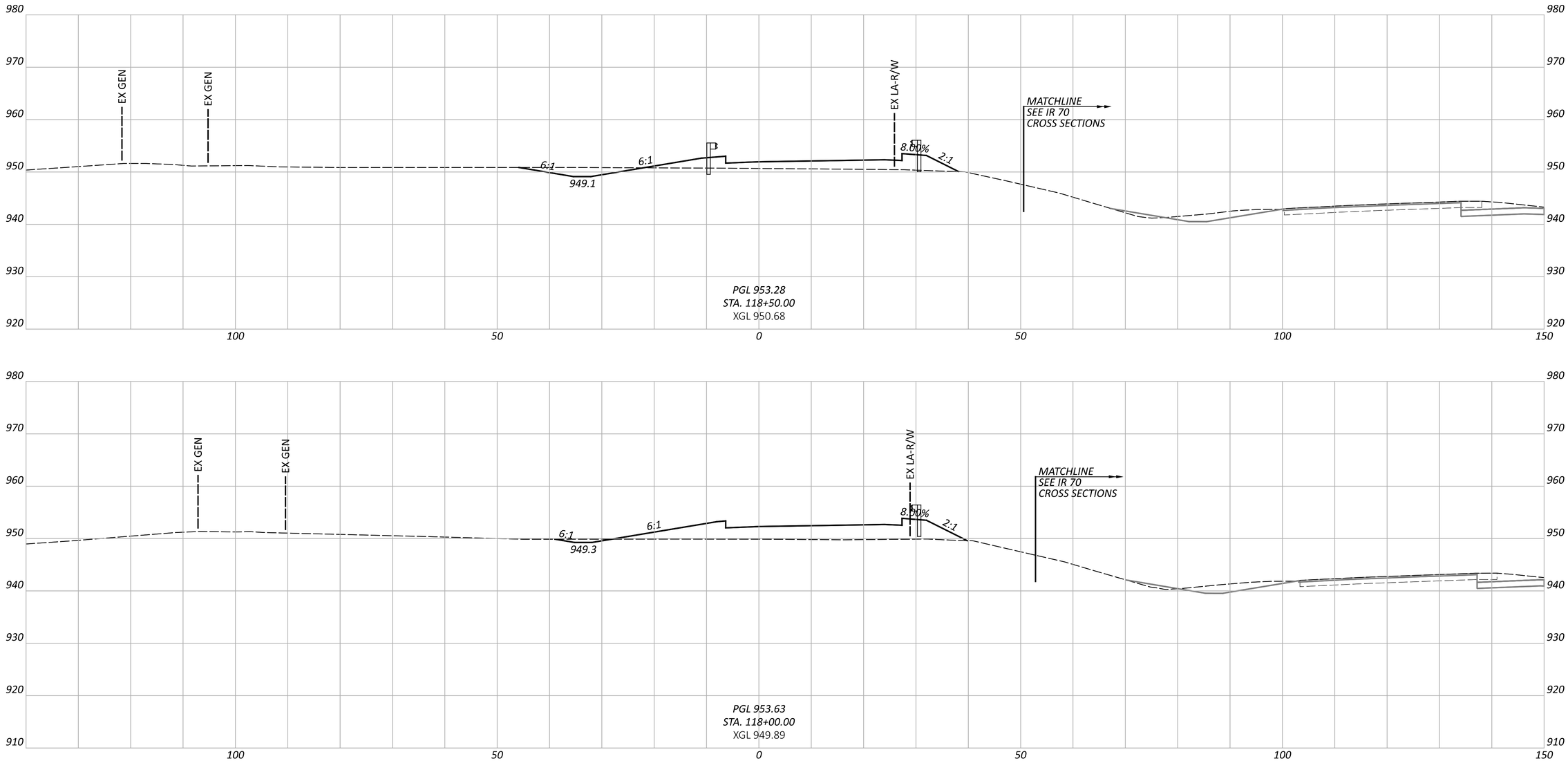
DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0786 TOTAL P.1556



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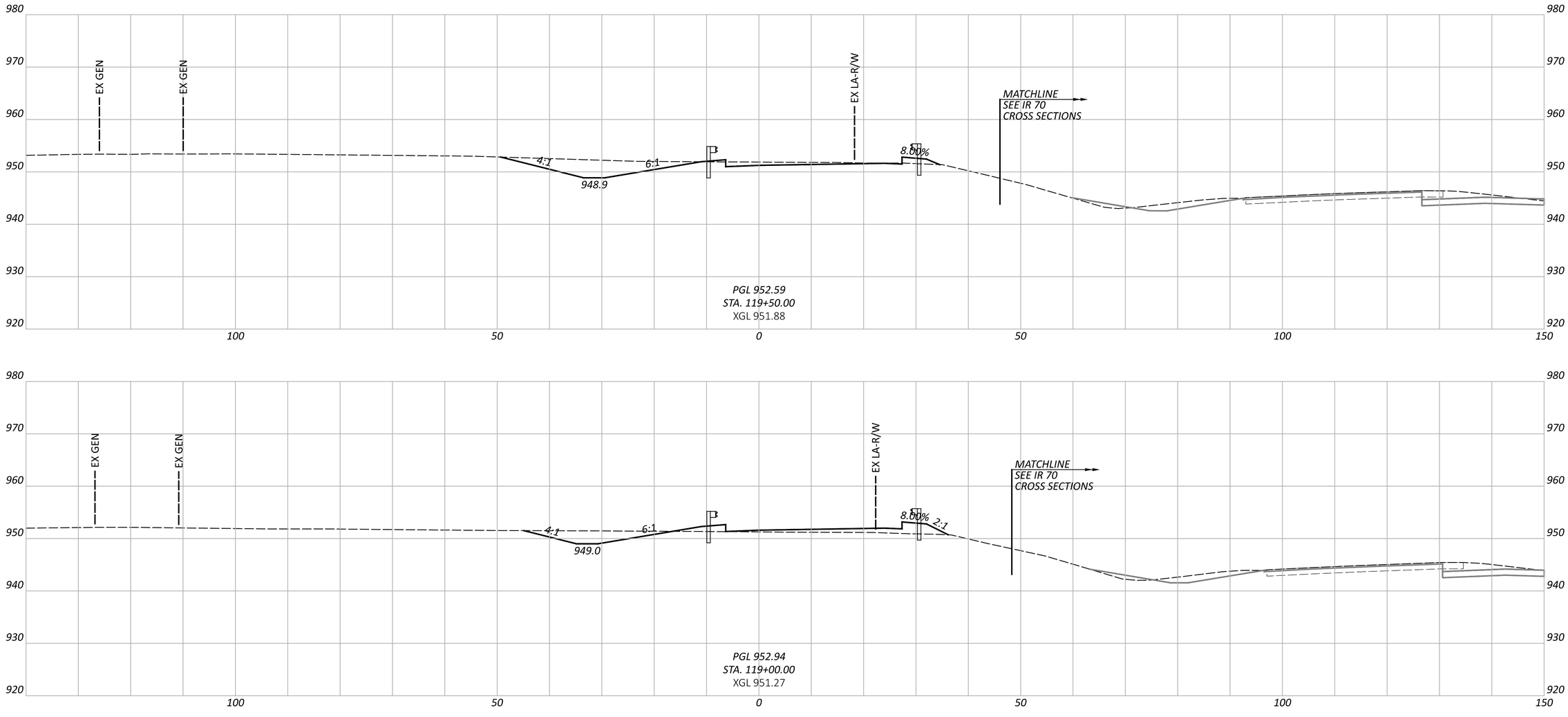
CROSS SECTIONS - RAMP I
STA. 118+00.00 TO STA. 118+50.00

DESIGN AGENCY
MEMBER OF STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0787
TOTAL	P.1556



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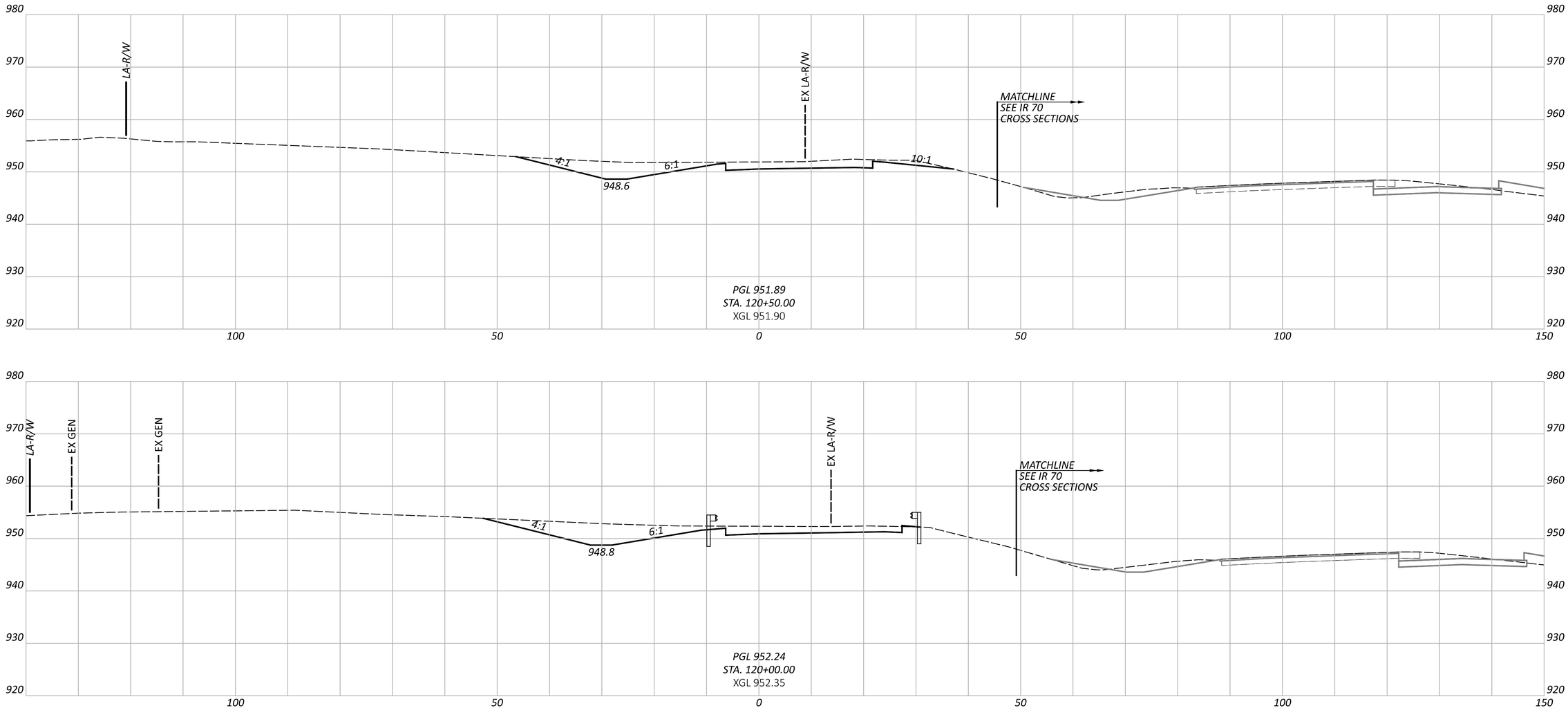
CROSS SECTIONS - RAMP I
STA. 119+00.00 TO STA. 119+50.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0788
TOTAL	P.1556



CROSS SECTIONS - RAMP I
STA. 120+00.00 TO STA. 120+50.00

FAI/LIC-IR 70-0.00/0.00

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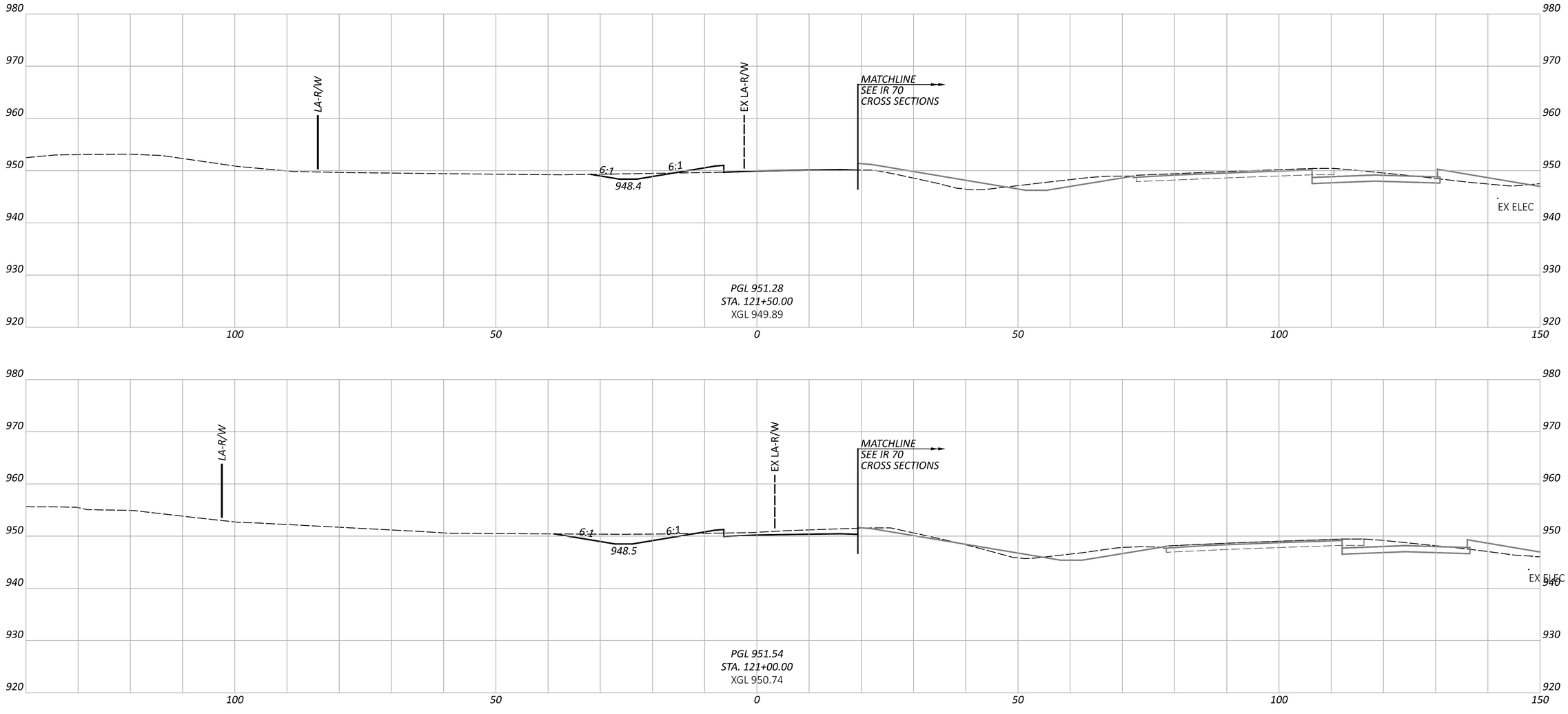
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0789
TOTAL	P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP I
STA. 121+00.00 TO STA. 121+50.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0790
TOTAL	P.1556

CROSS SECTIONS - RAMP I
STA. 122+00.00 TO STA. 122+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - 122+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:13:49 AM USER: brieder
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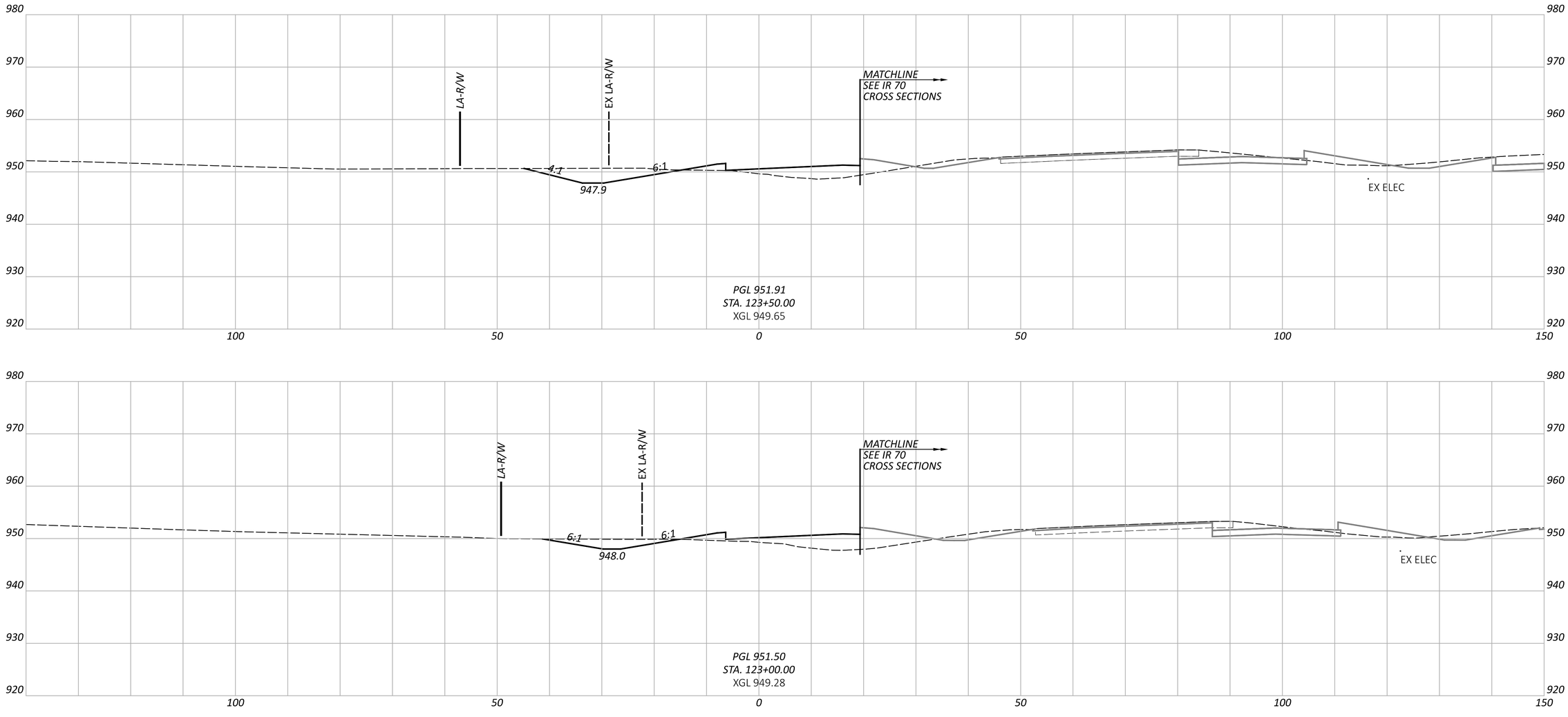
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0791 TOTAL P.1556



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CROSS SECTIONS - RAMP I
STA. 123+00.00 TO STA. 123+50.00

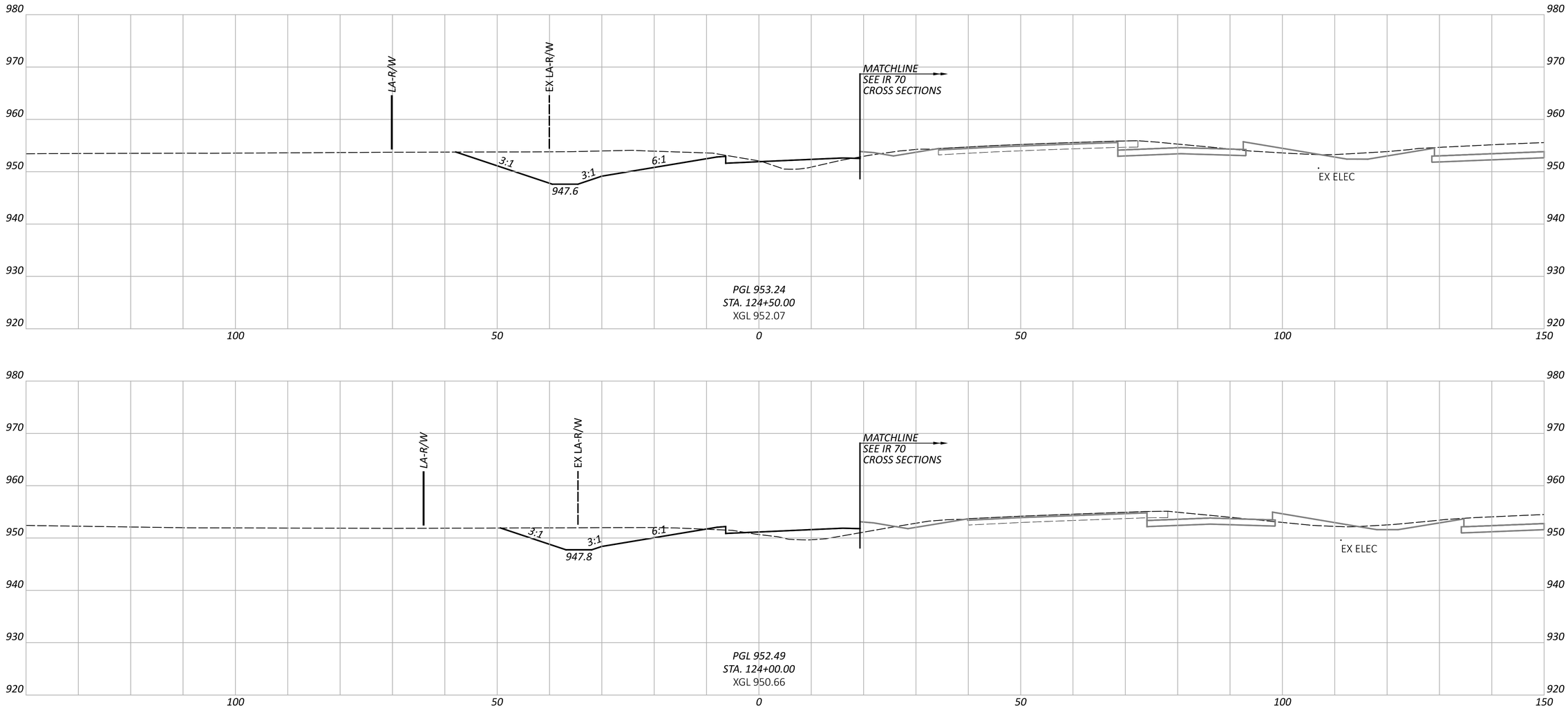
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0792 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP I
STA. 124+00.00 TO STA. 124+50.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0793
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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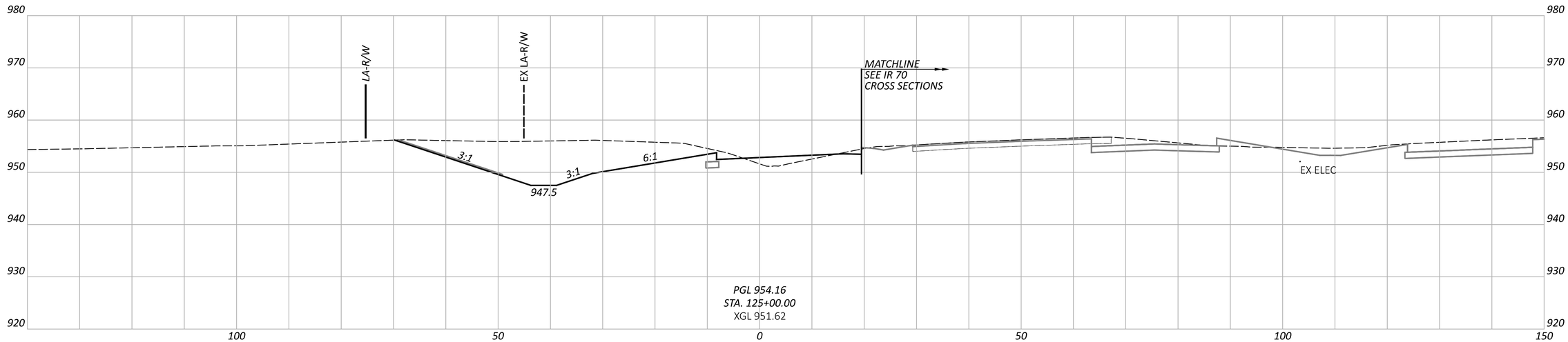


CROSS SECTIONS - RAMP I
STA. 125+00.00

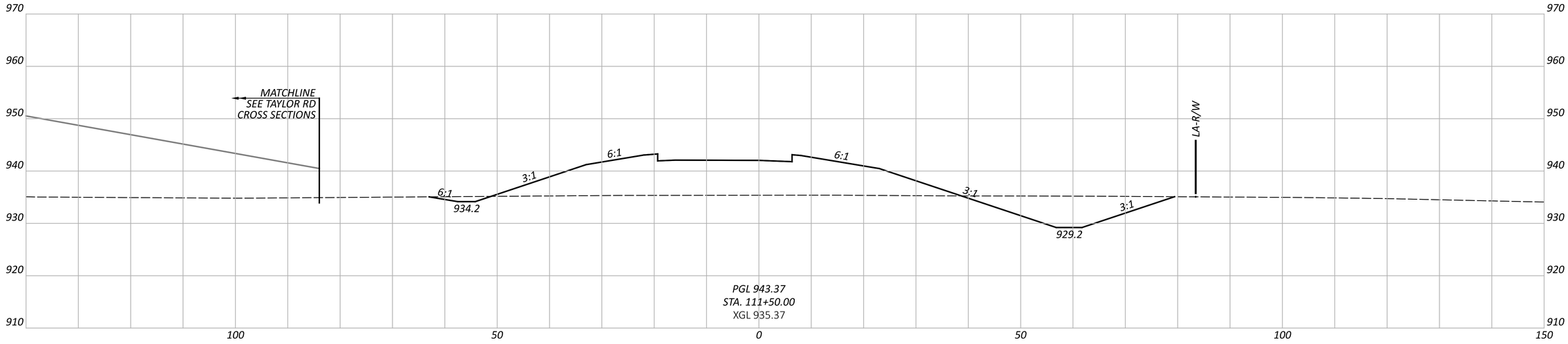
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0794 | TOTAL P.1556



CROSS SECTIONS - RAMP J
STA. 111+00.00 TO STA. 111+50.00

FAI/LIC-IR 70-0.00/0.00

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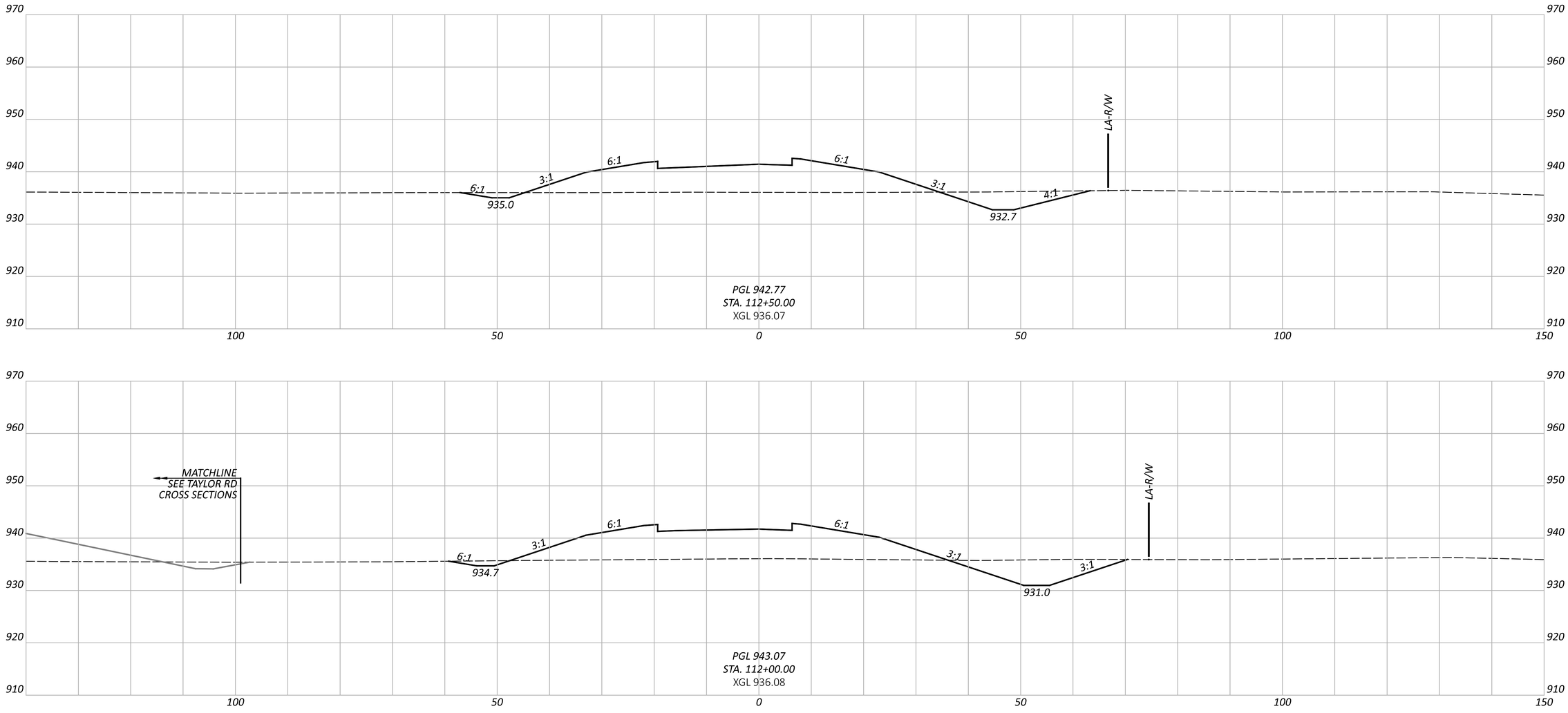
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0795 | TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP J
STA. 112+00.00 TO STA. 112+50.00

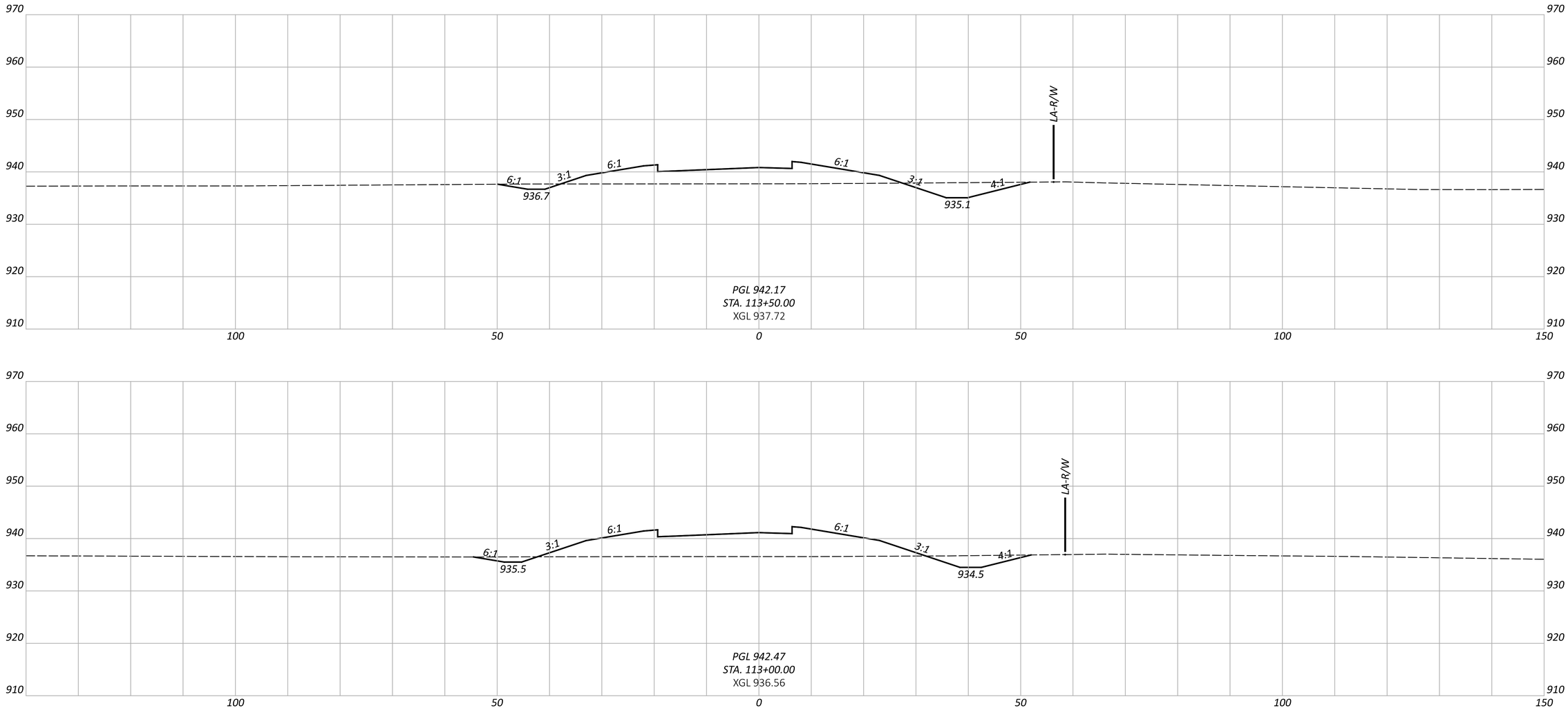
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0796 TOTAL P.1556



CROSS SECTIONS - RAMP J
STA. 113+00.00 TO STA. 113+50.00

FAI/LIC-IR 70-0.00/0.00

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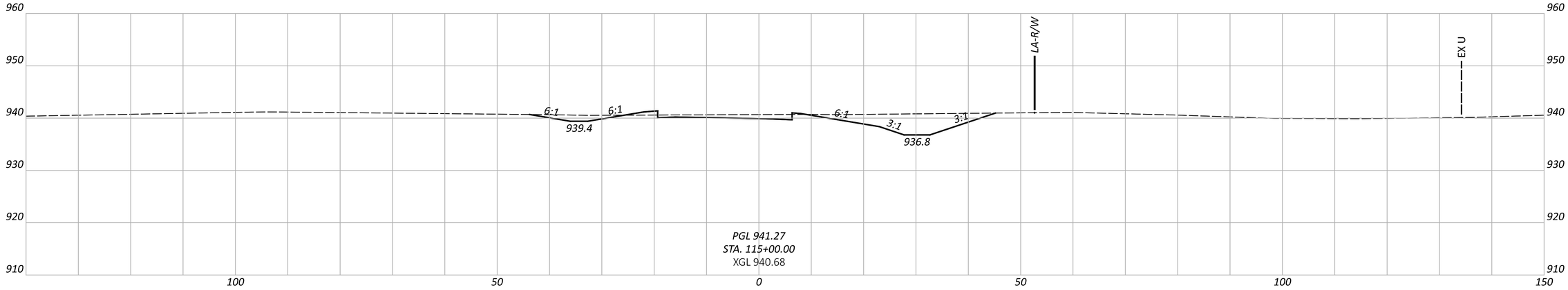
DESIGN AGENCY
STRUCTUREPOINT LLC

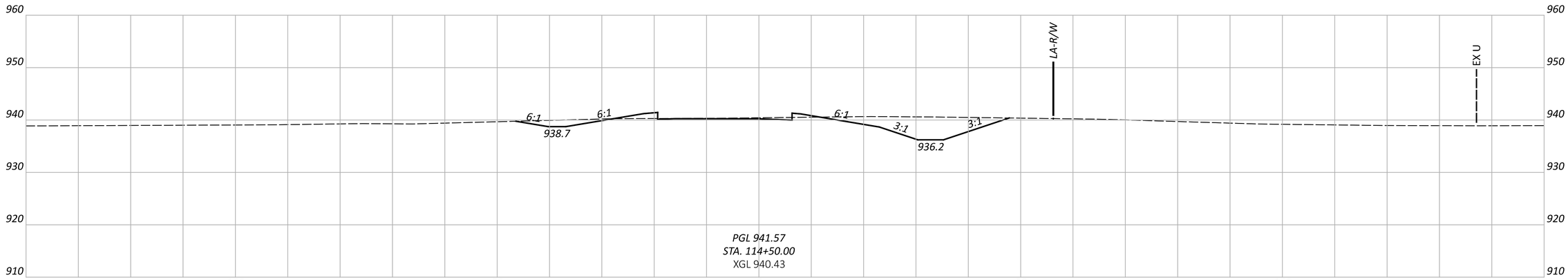
DESIGNER
BER

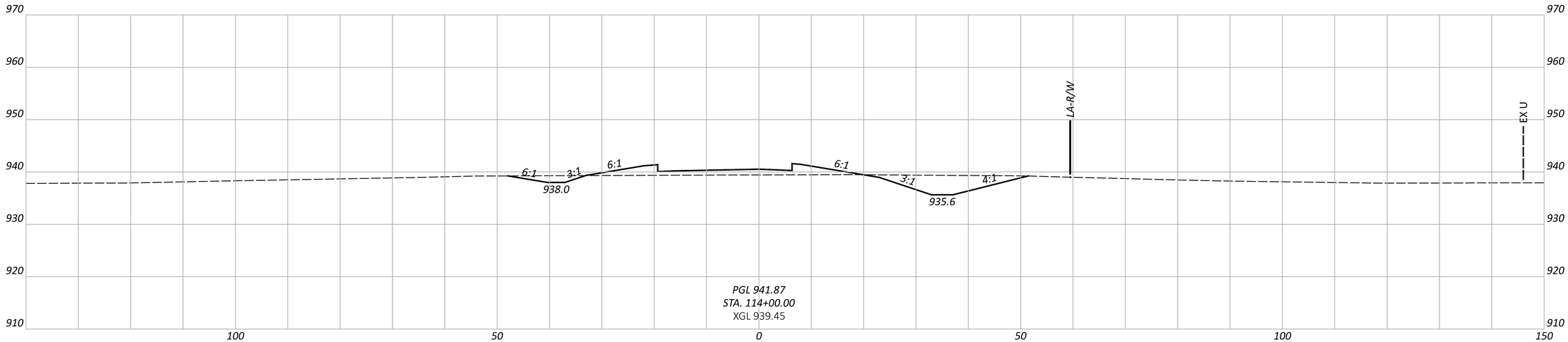
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0797 TOTAL P.1556







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STA. 114+00.00 TO STA. 115+00.00

FAI/LIC-IR 70-0.00/0.00

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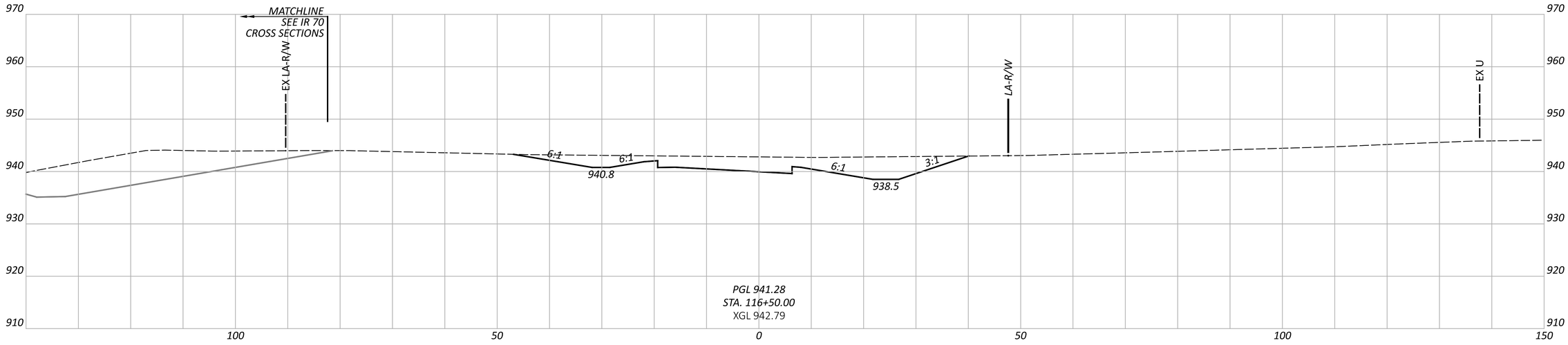
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0798 TOTAL P.1556



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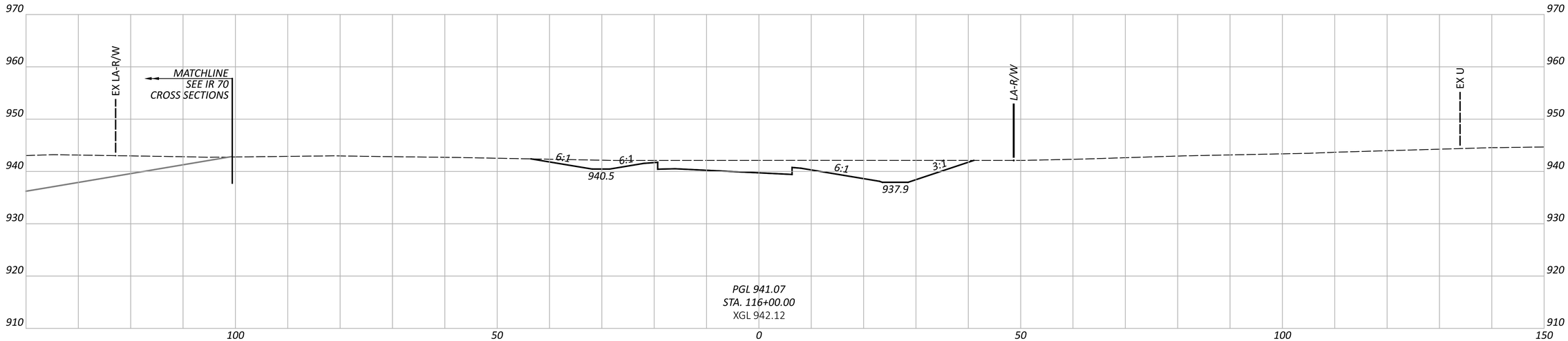
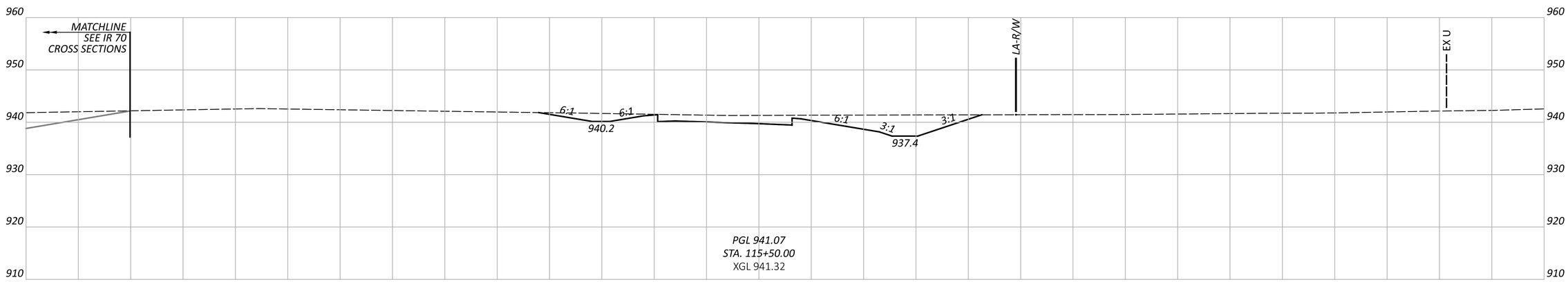
STA. 116+50.00
XGL 942.79



PGL 941.07
STA. 116+00.00
XGL 942.12



PGL 941.07
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XGL 941.32

CROSS SECTIONS - RAMP J
STA. 115+50.00 TO STA. 116+50.00

FAI/LIC-IR 70-0.00/0.00

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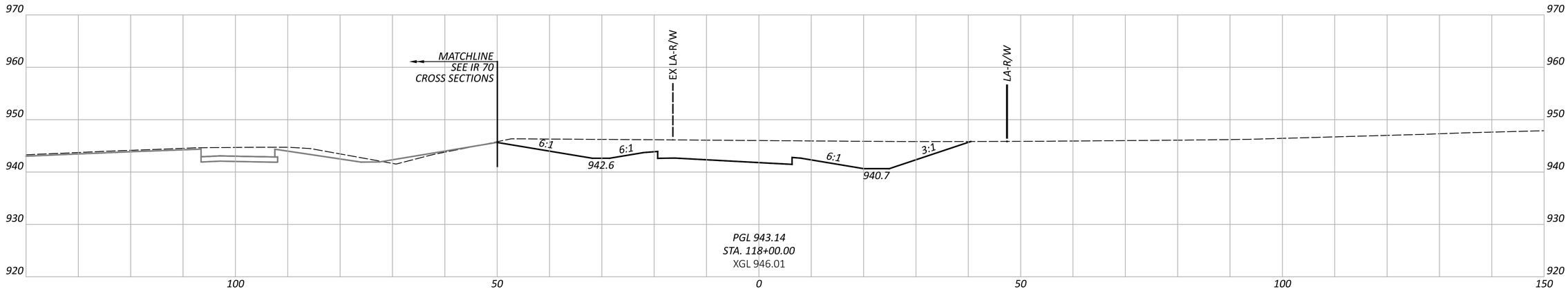
DESIGN AGENCY
STRUCTUREPOINT

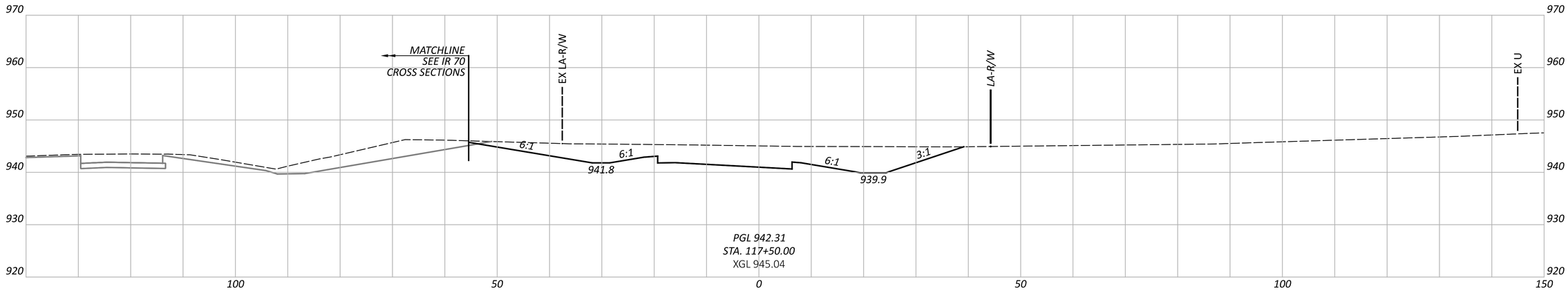
DESIGNER
BER

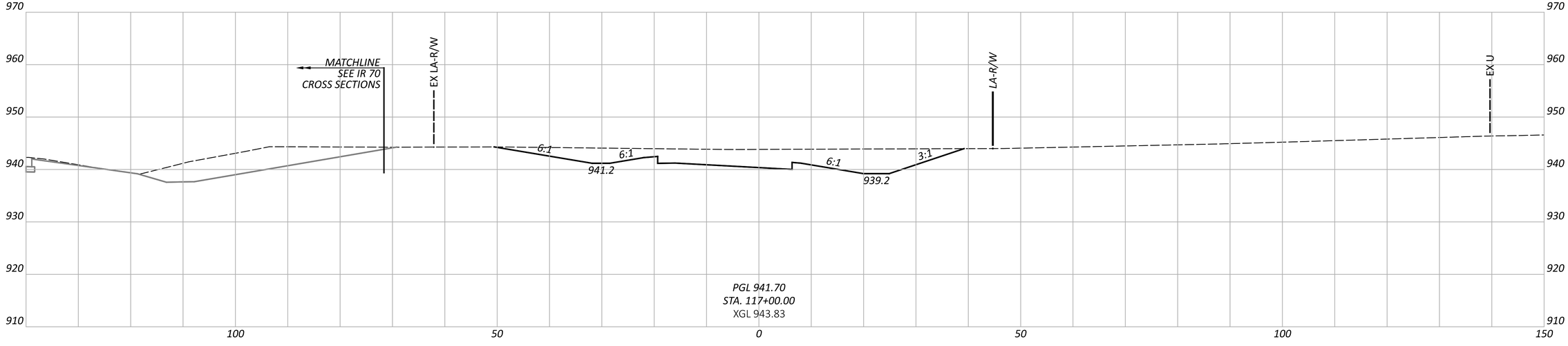
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0799 TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070J - 117+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:14:56 AM USER: brieder
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CROSS SECTIONS - RAMP J
STA. 117+00.00 TO STA. 118+00.00

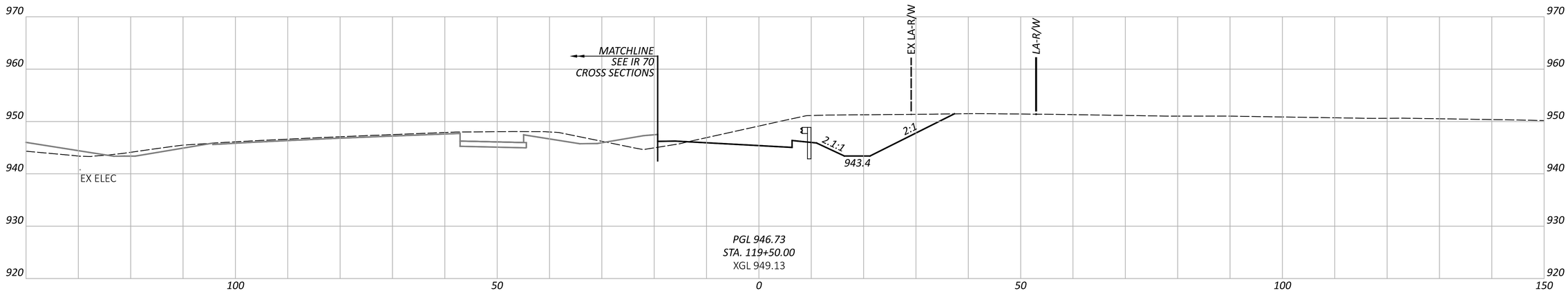
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

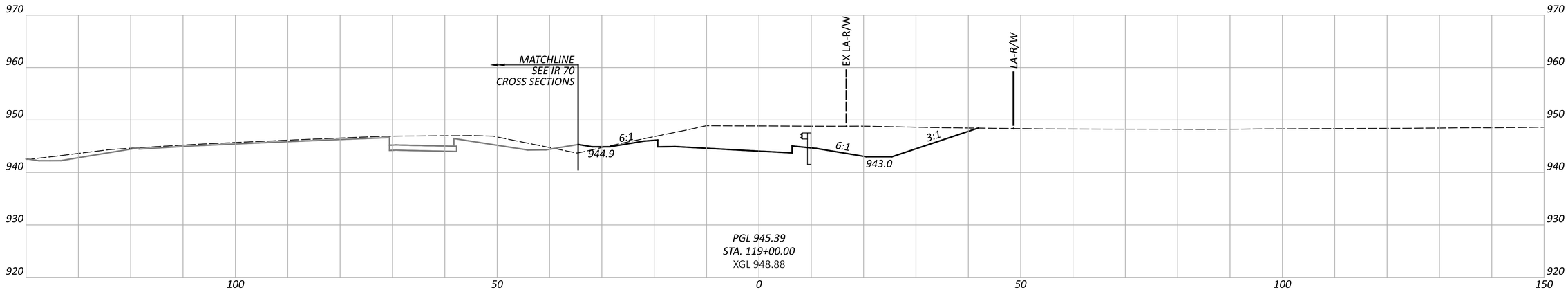
DESIGNER
BER

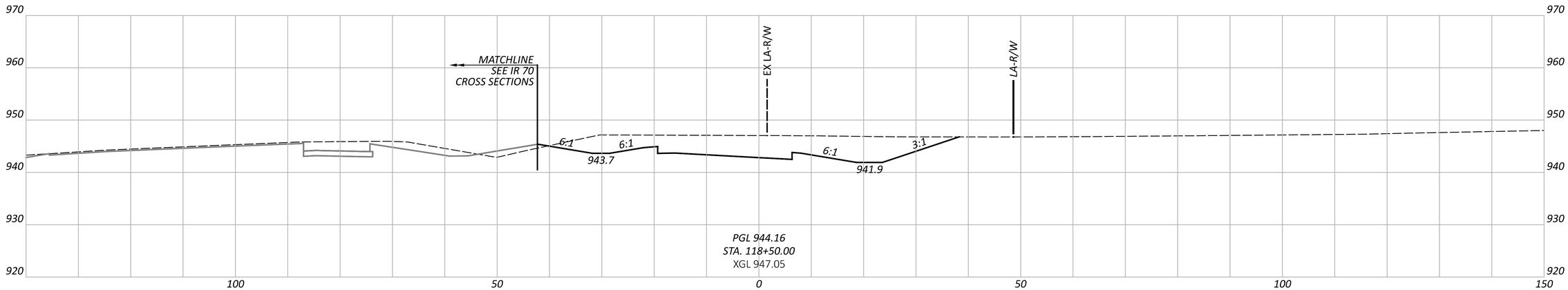
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0800 TOTAL P.1556







CROSS SECTIONS - RAMP J
STA. 118+50.00 TO STA. 119+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070 - 118+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:15:01 AM USER: brieder
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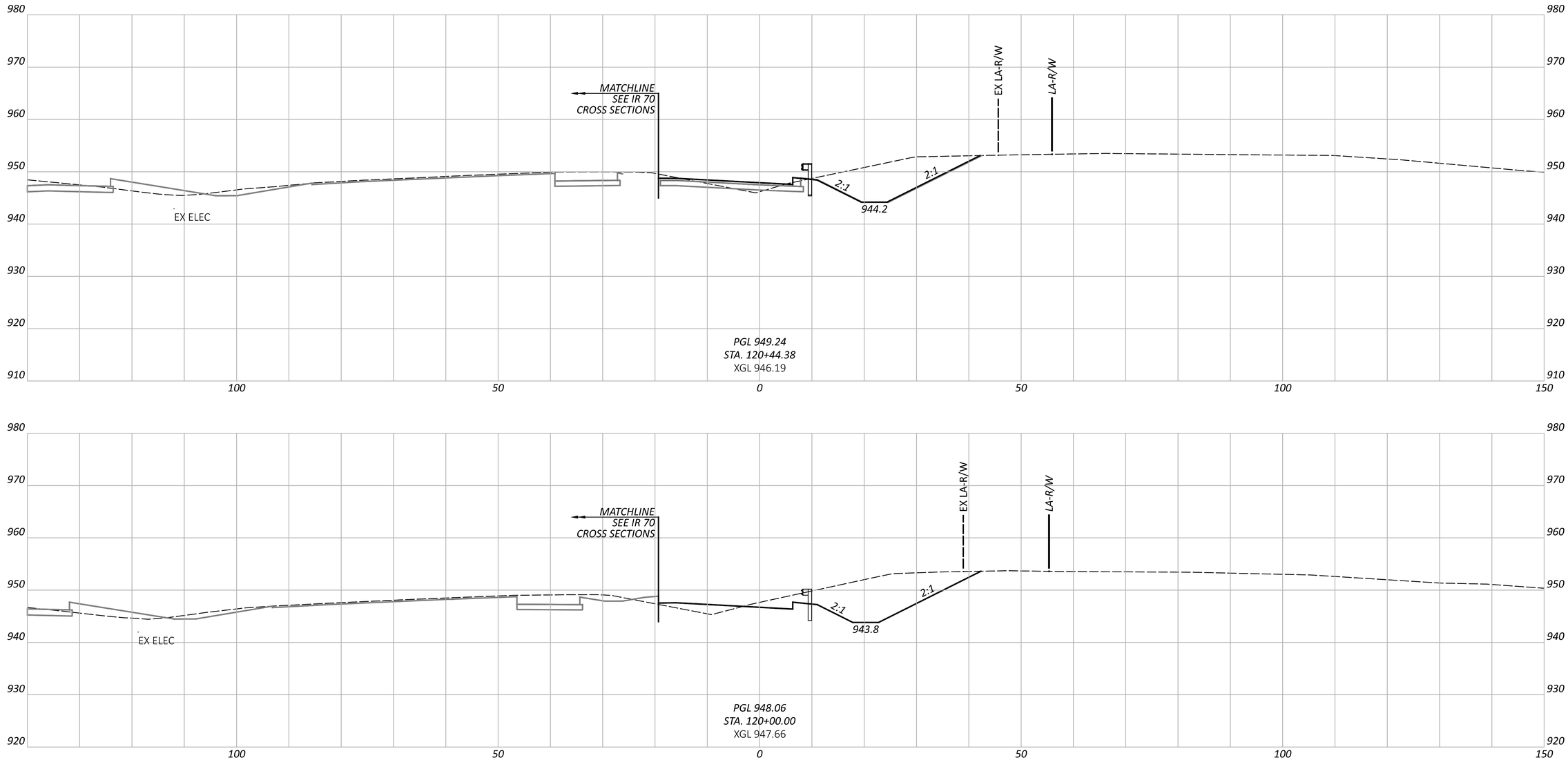
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0801 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070 - 120+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:15:07 AM USER: brieder
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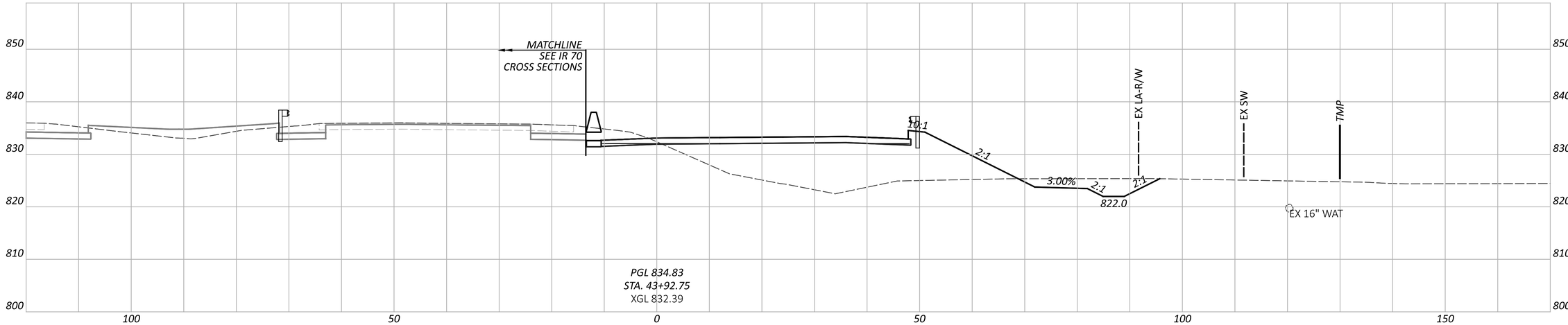
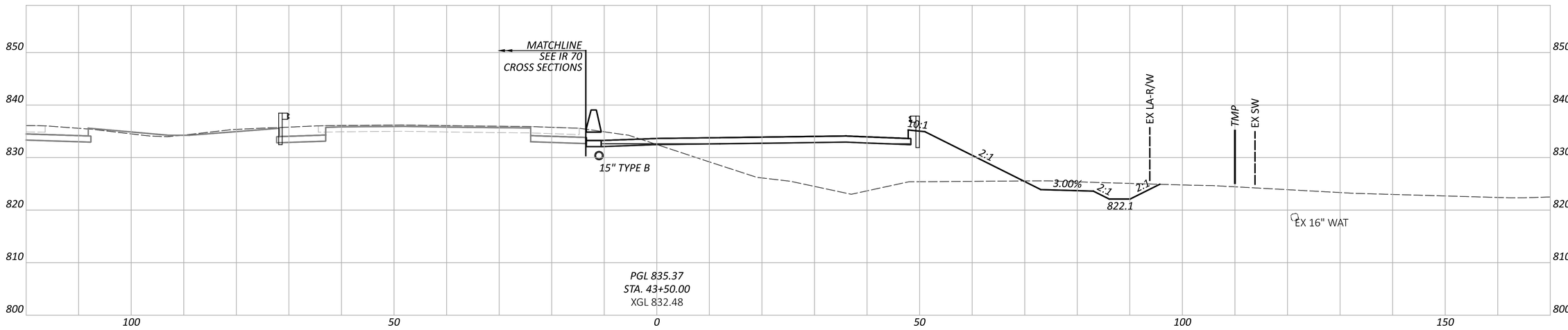
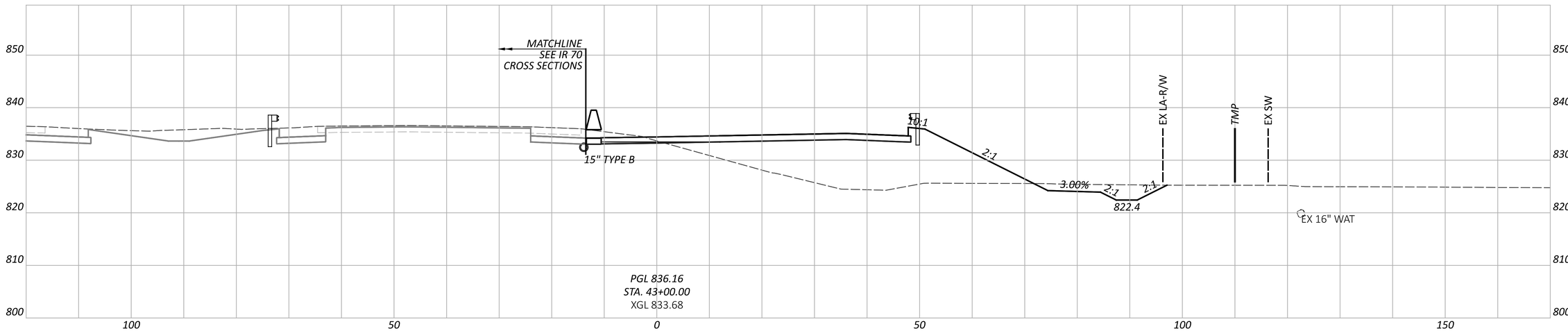
CROSS SECTIONS - RAMP J
STA. 120+00.00 TO STA. 120+44.38

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0802
TOTAL	P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP K
STA. 43+00.00 TO STA. 43+92.75

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 43+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:15:32 AM USER: brieder
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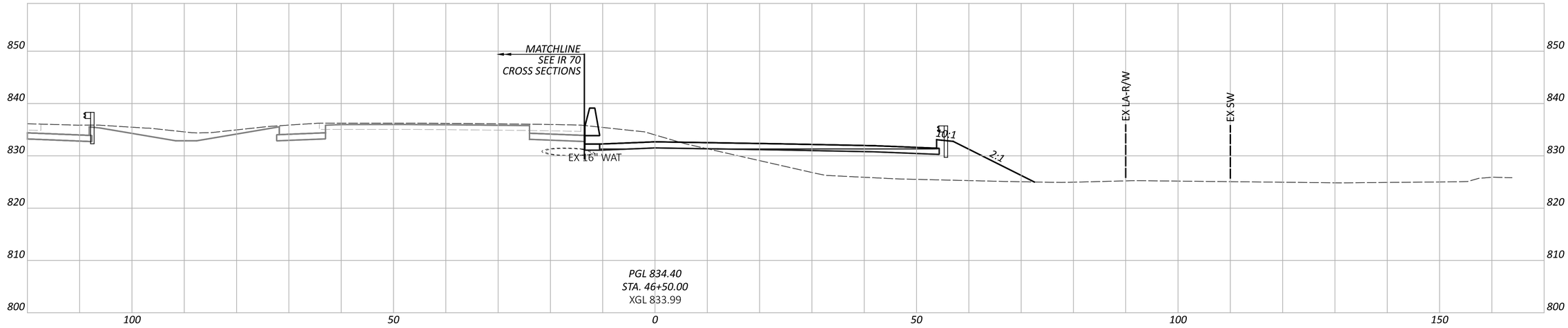
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

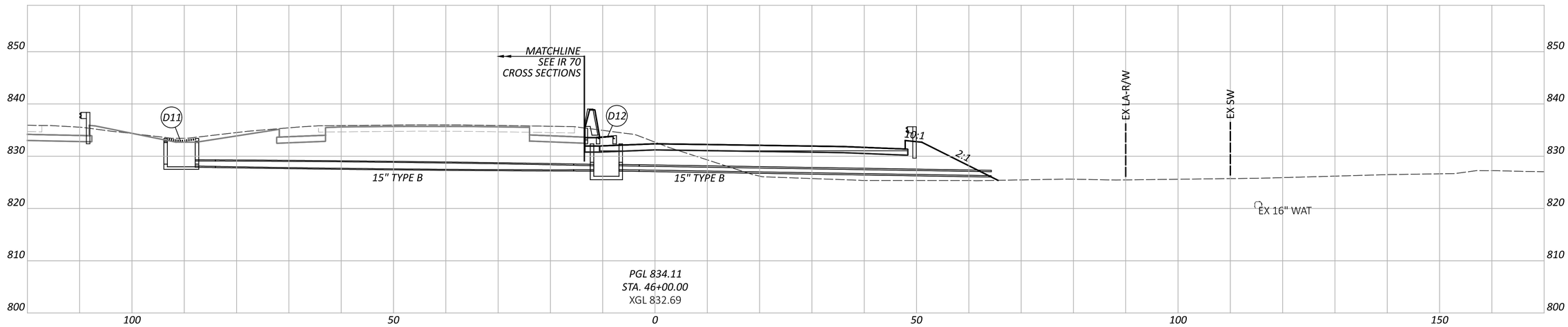
DESIGNER
BER

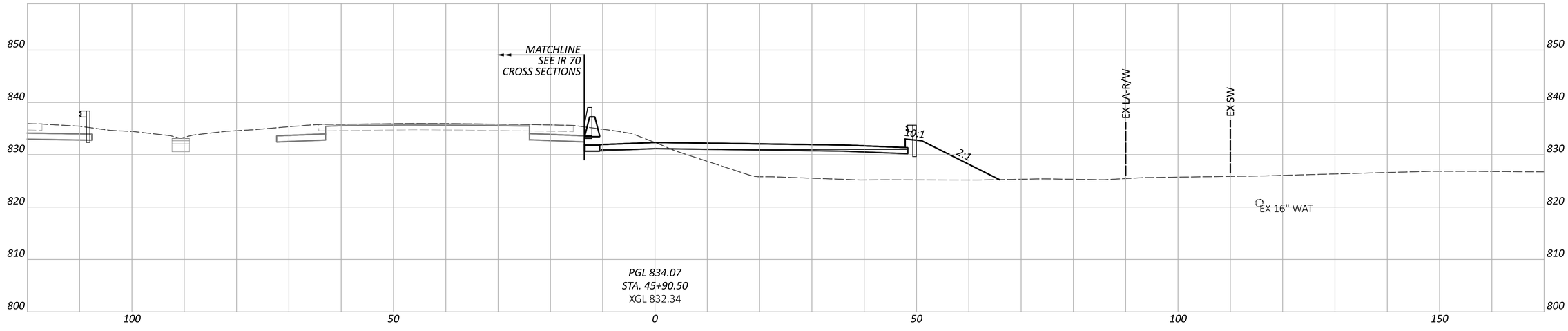
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0803 TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 45+90.50 TO STA. 46+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0804 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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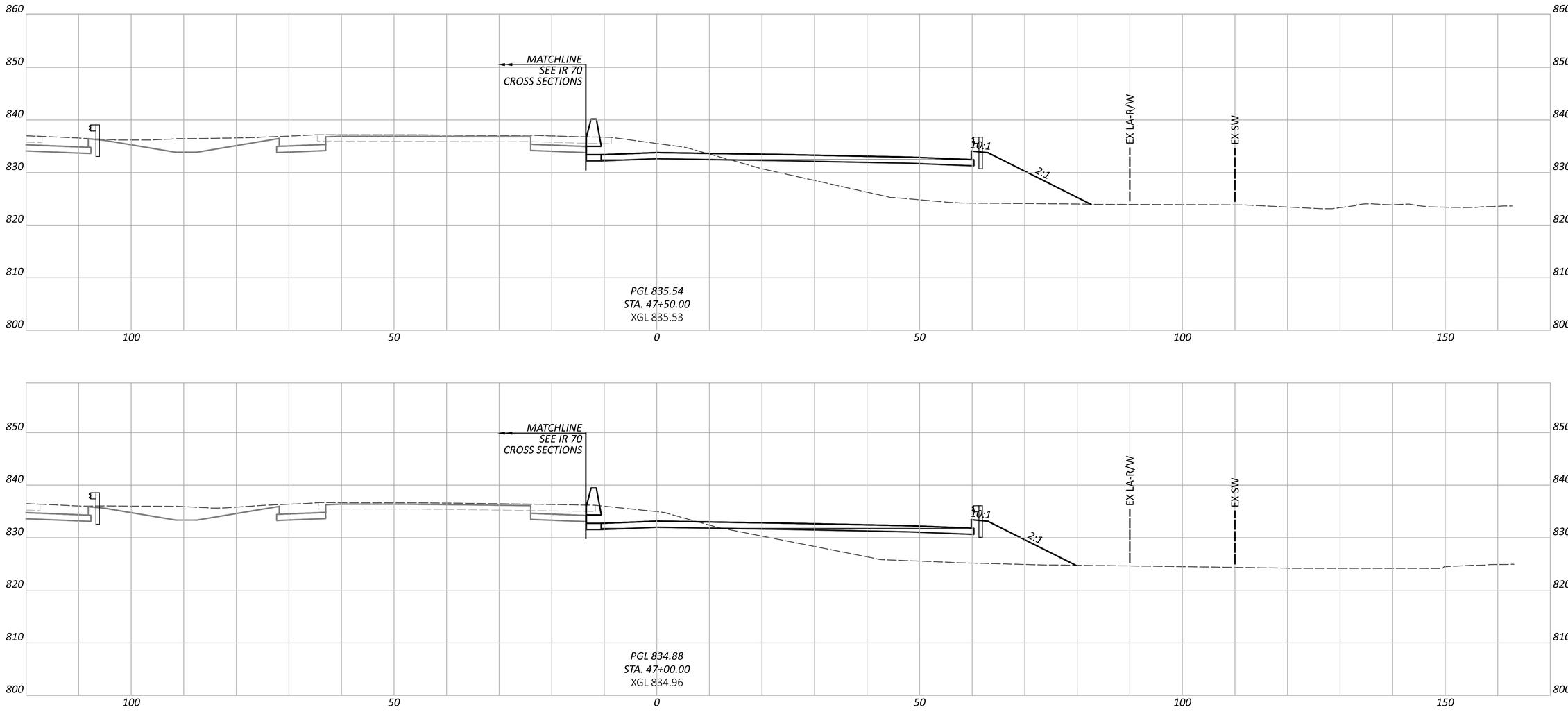

CROSS SECTIONS - RAMP K
STA. 47+00.00 TO STA. 47+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 47+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:15:53 AM USER: brieder
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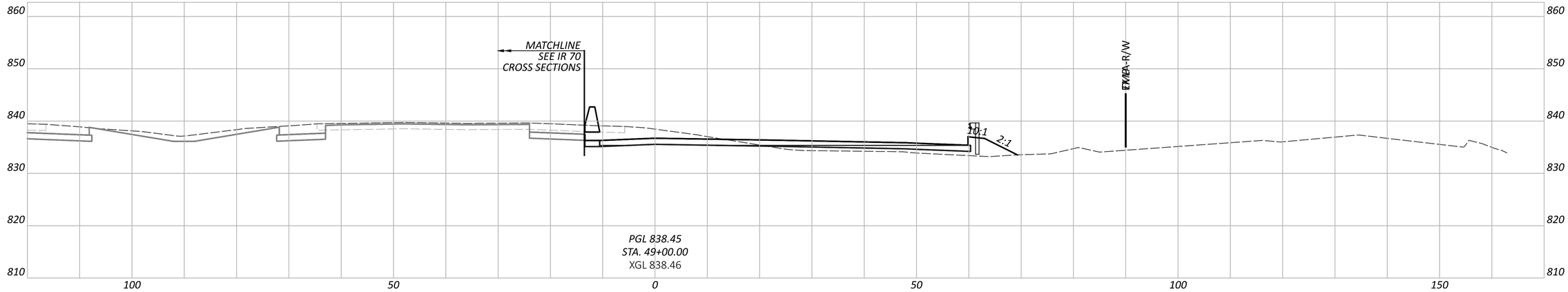
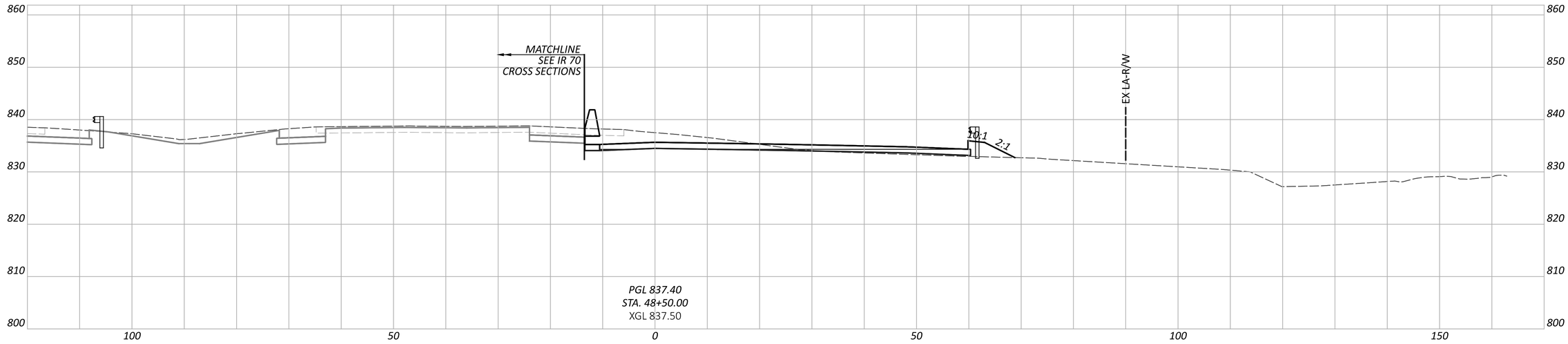
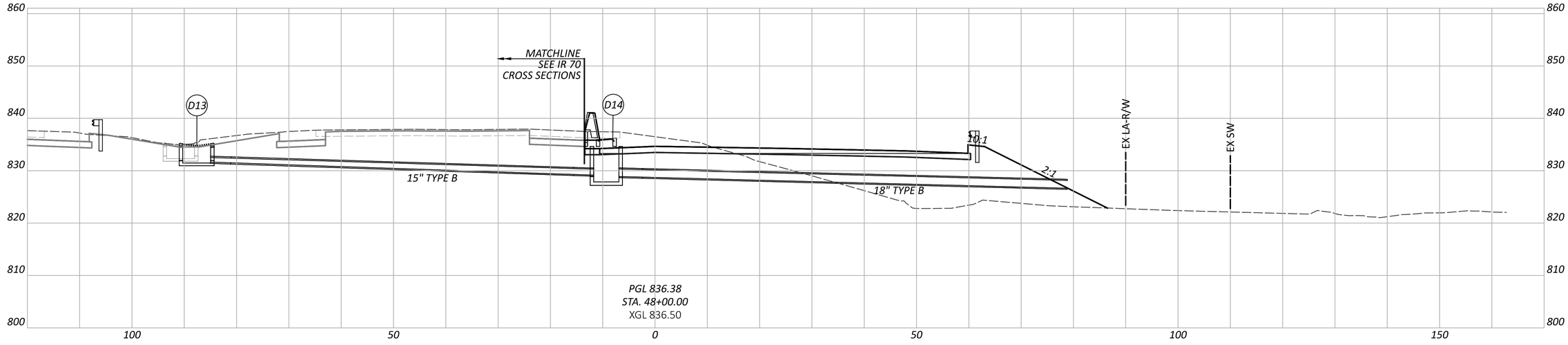
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0805
TOTAL	P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP K
STA. 48+00.00 TO STA. 49+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0806 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 48+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:15:57 AM USER: brieder
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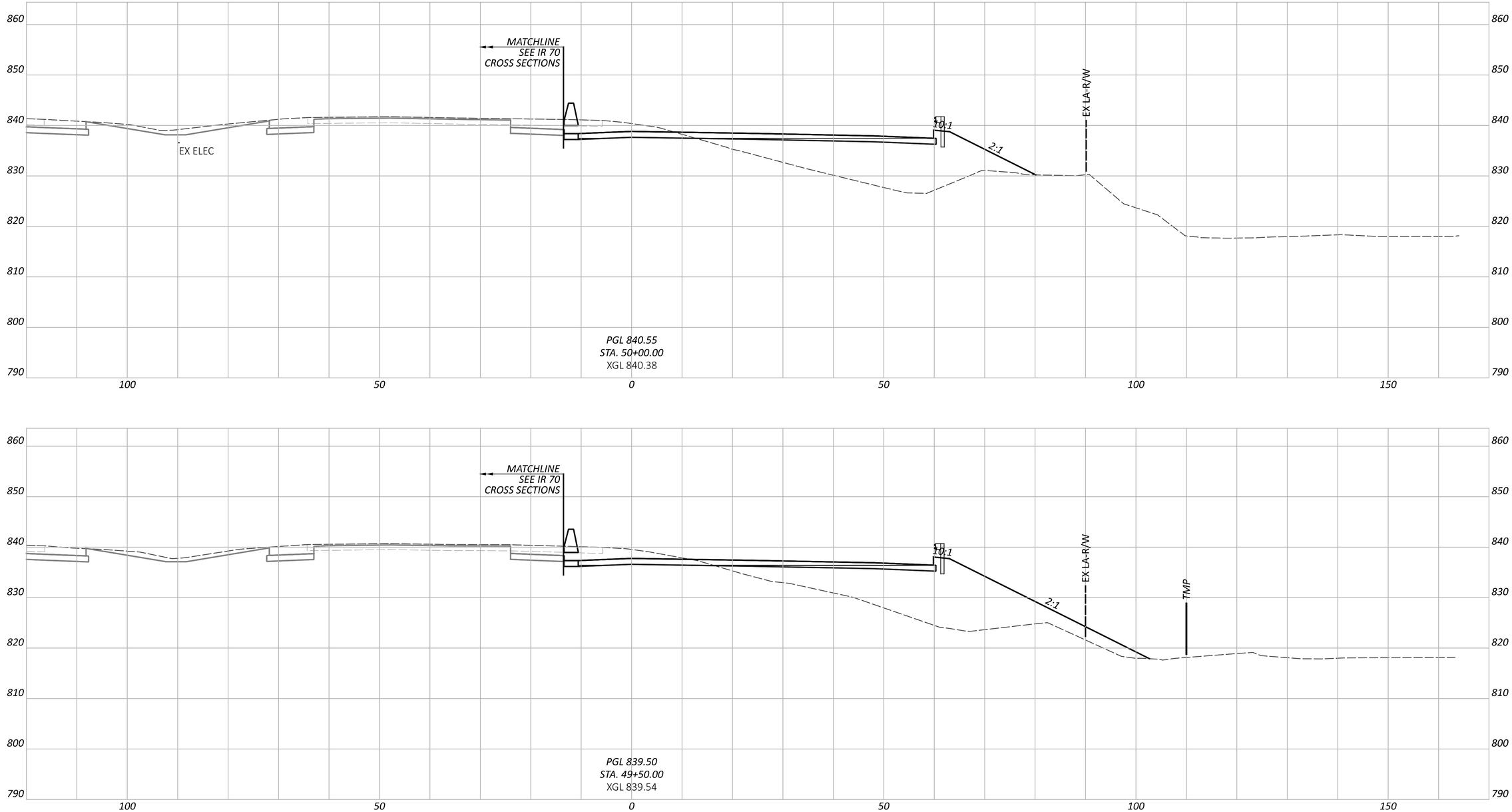

CROSS SECTIONS - RAMP K
STA. 49+50.00 TO STA. 50+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 49+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:01 AM USER: brieder
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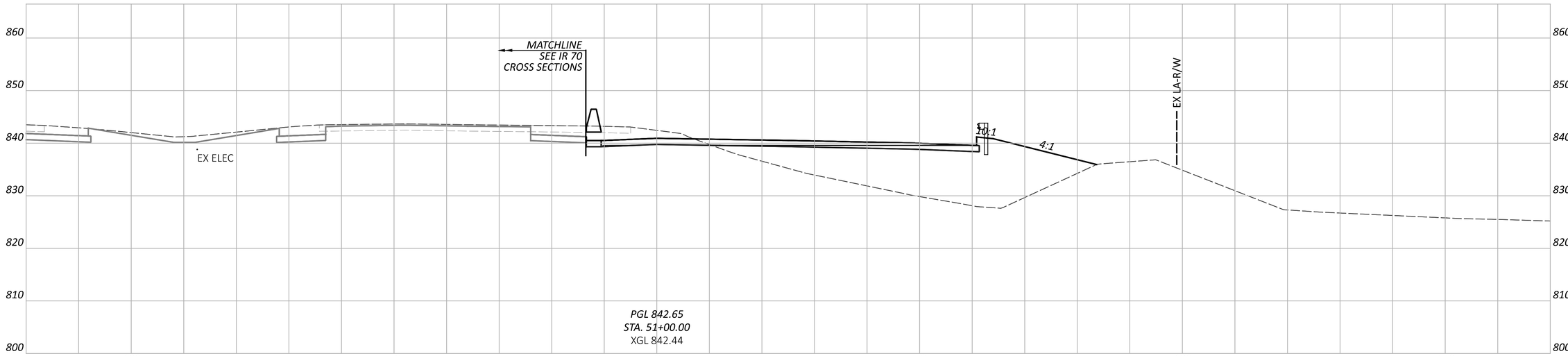
DESIGN AGENCY
STRUCTUREPOINT

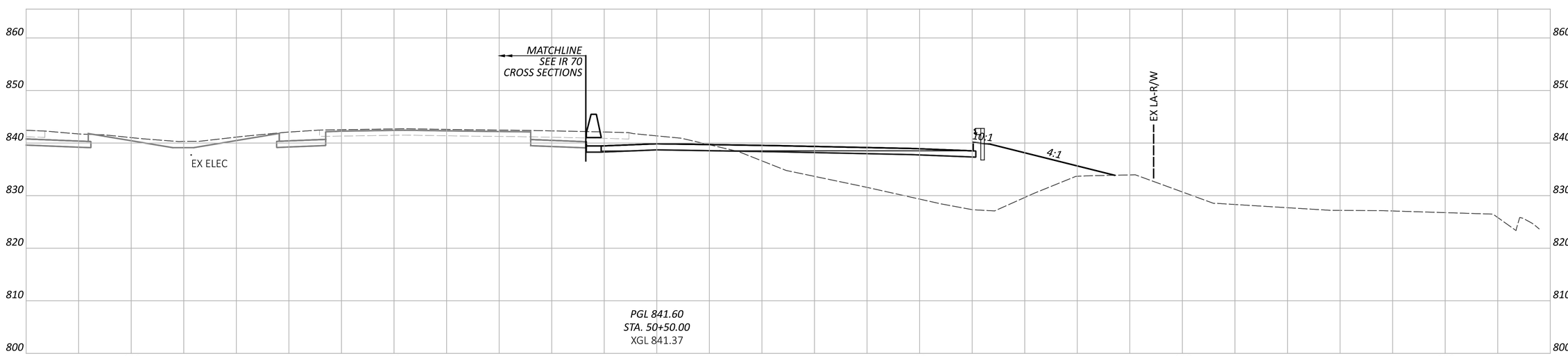
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0807 TOTAL P.1556





CROSS SECTIONS - RAMP K
STA. 50+50.00 TO STA. 51+00.00

FAI/LIC-IR 70-0.00/0.00

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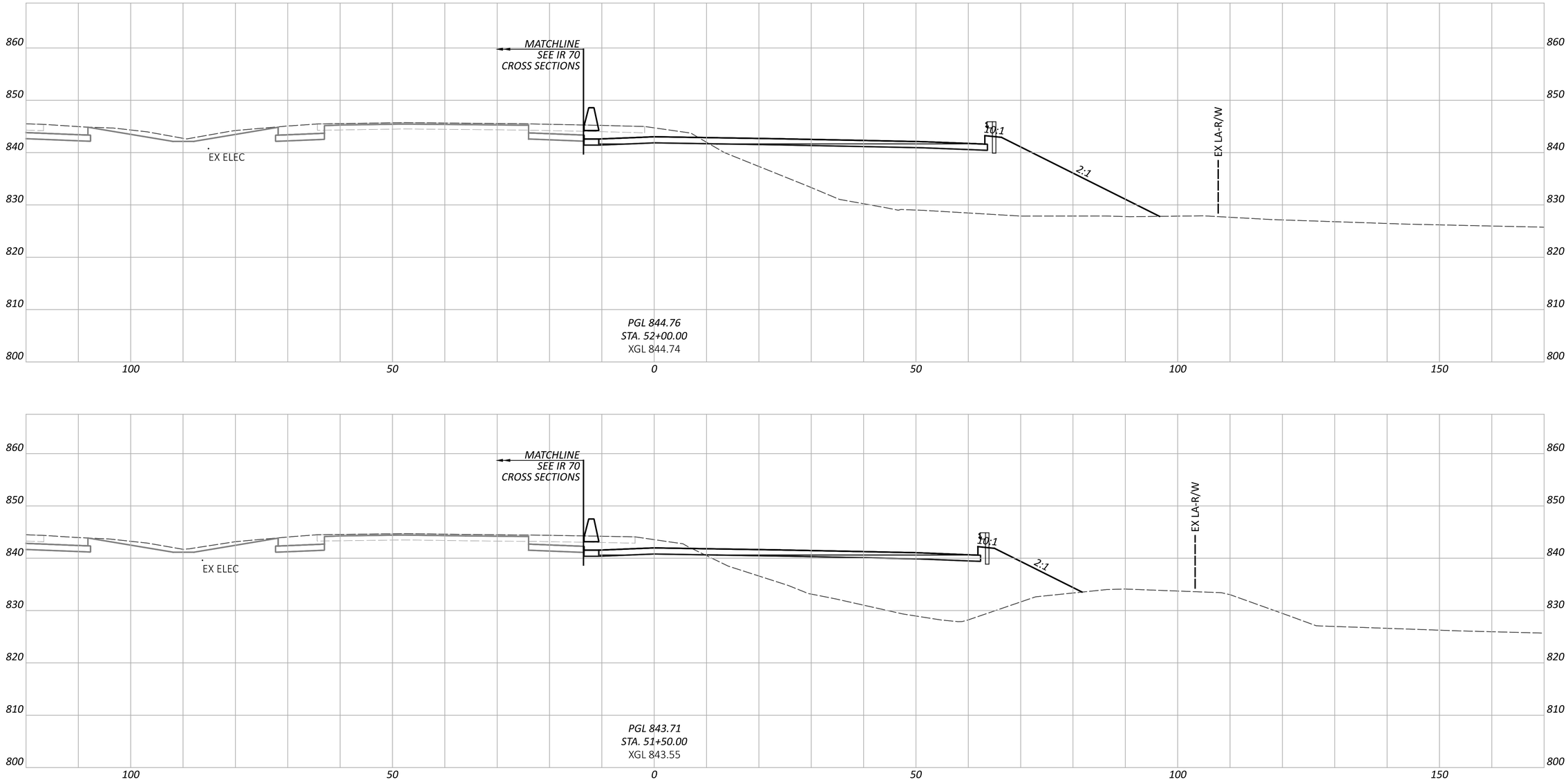
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0808 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 51+50.00 TO STA. 52+00.00

FAI/LIC-IR 70-0.00/0.00

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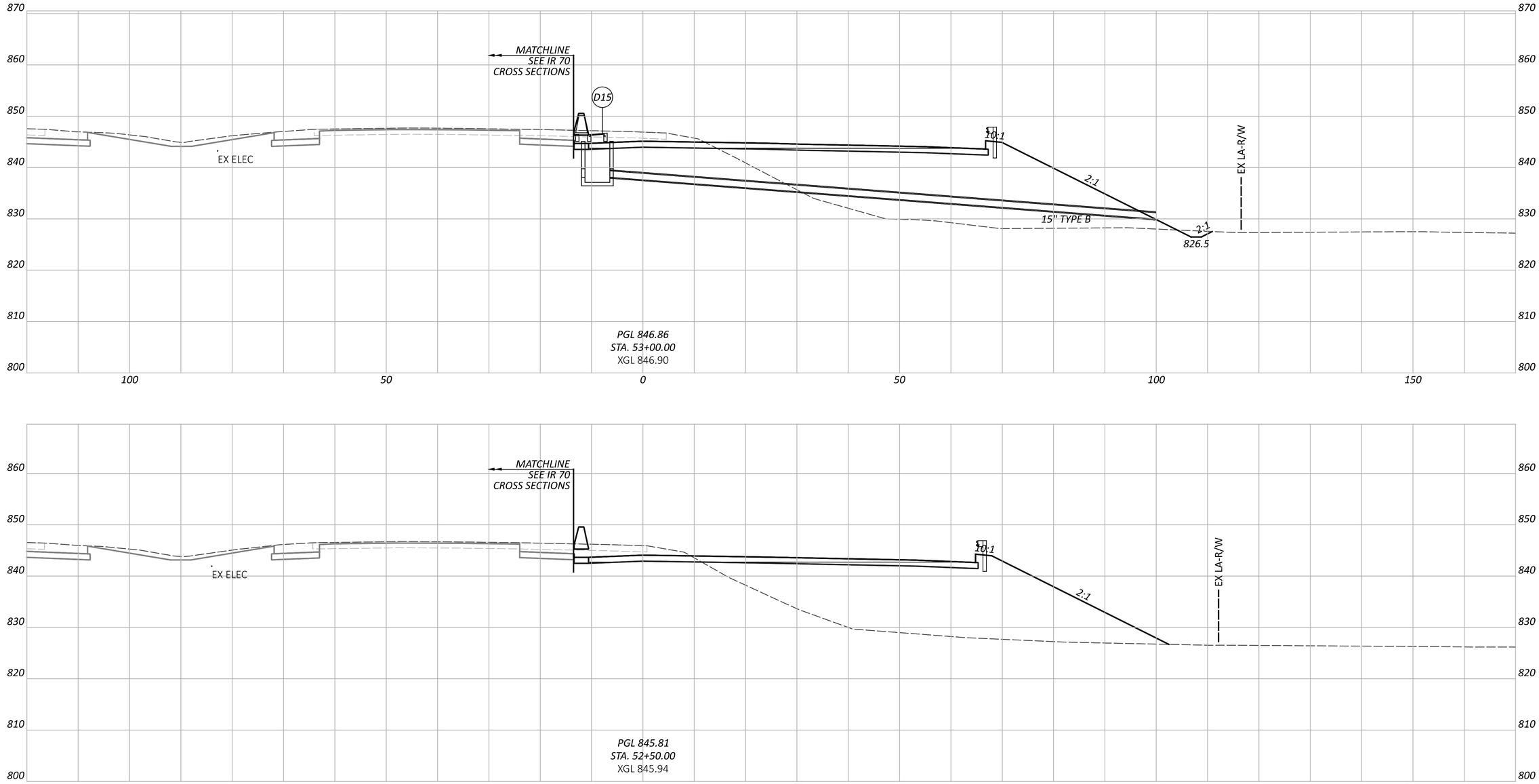
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0809 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP K
STA. 52+50.00 TO STA. 53+00.00

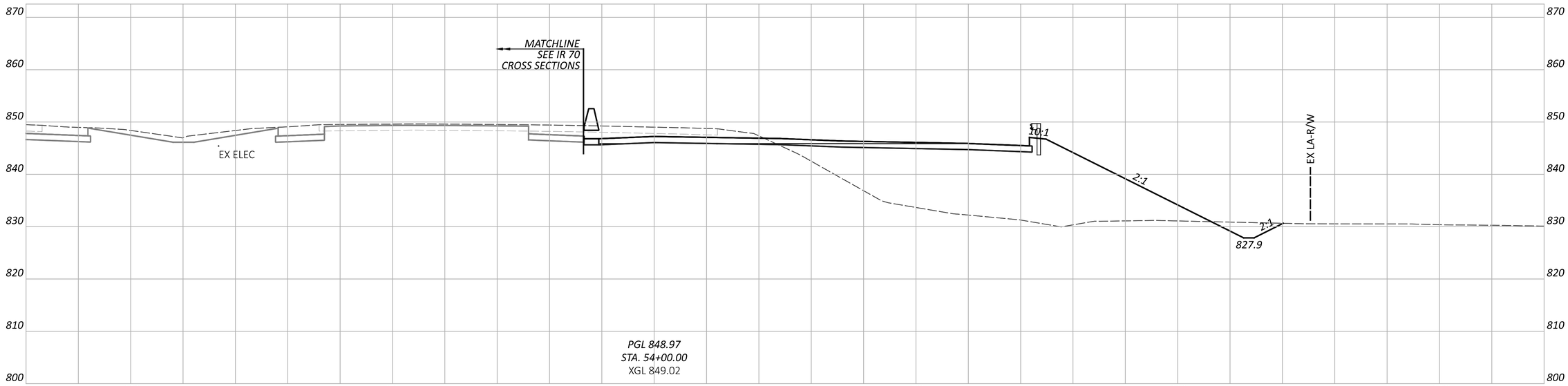
DESIGN AGENCY
STRUCTUREPOINT

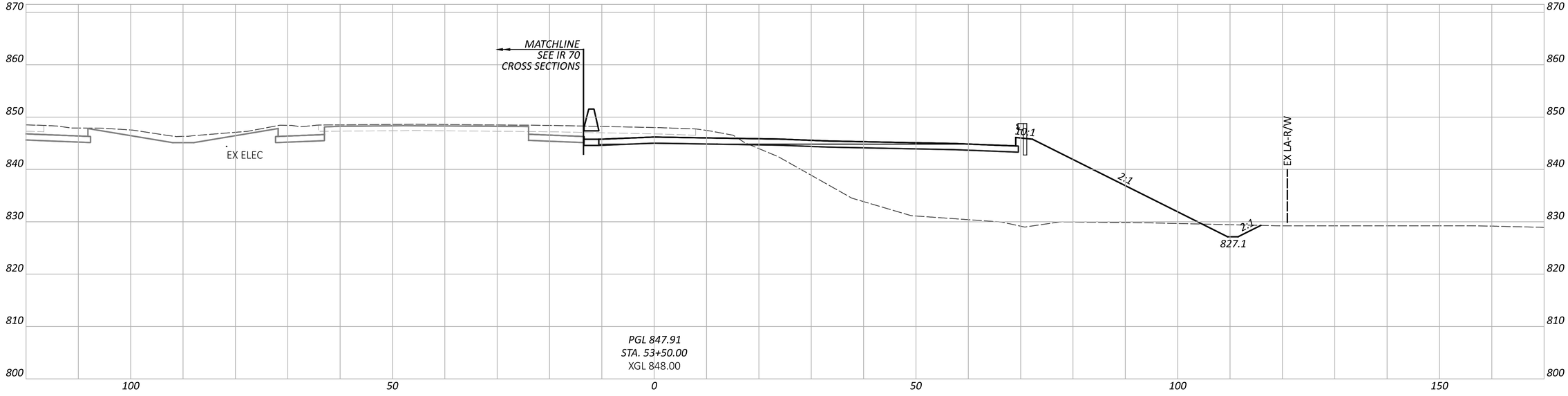
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0810 TOTAL P.1556





CROSS SECTIONS - RAMP K
STA. 53+50.00 TO STA. 54+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMEREIN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0811 TOTAL P.1556

CROSS SECTIONS - RAMP K
STA. 54+50.00 TO STA. 55+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0812 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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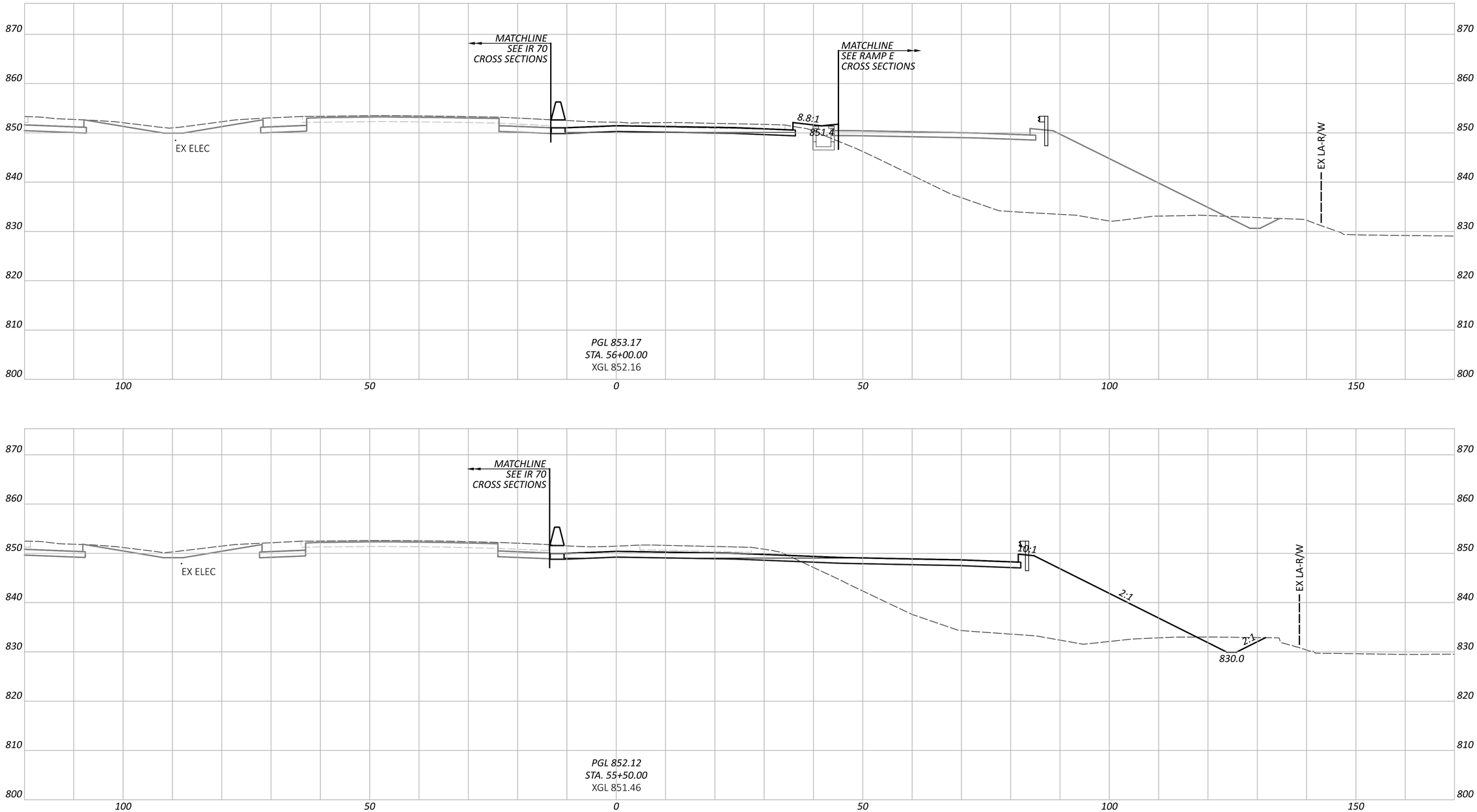

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - RAMP K
STA. 55+50.00 TO STA. 56+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 55+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:20 AM USER: brieder
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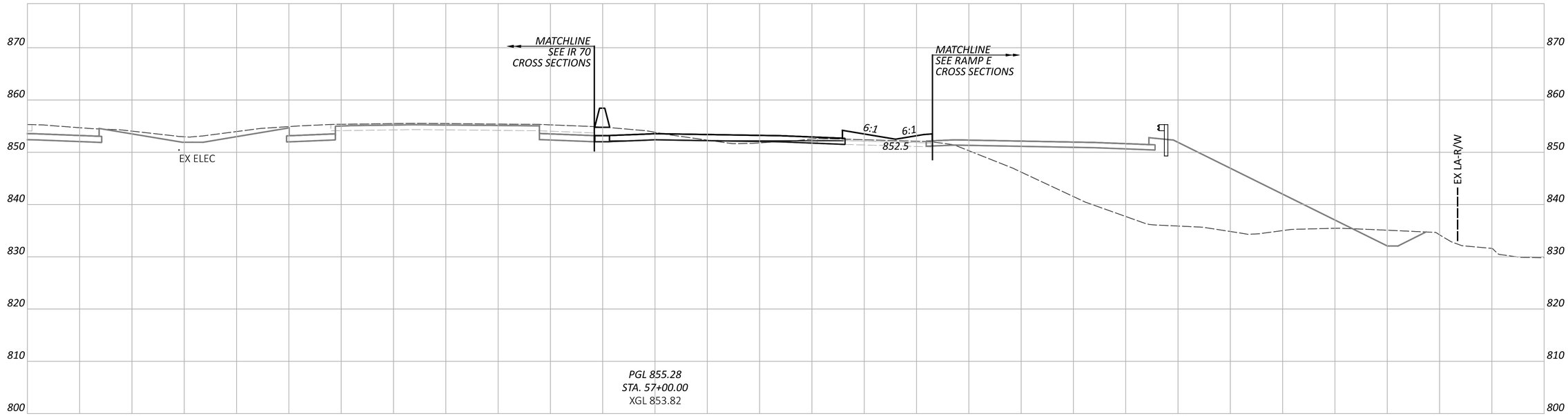
DESIGN AGENCY
STRUCTUREPOINT

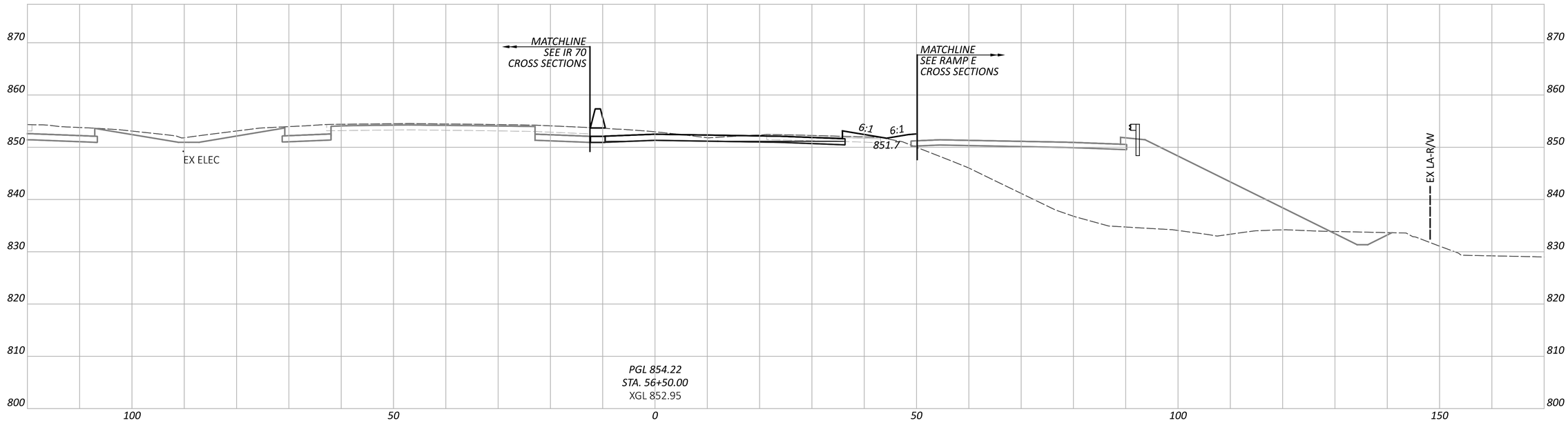
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0813 TOTAL P.1556





CROSS SECTIONS - RAMP K
STA. 56+50.00 TO STA. 57+00.00

FAI/LIC-IR 70-0.00/0.00

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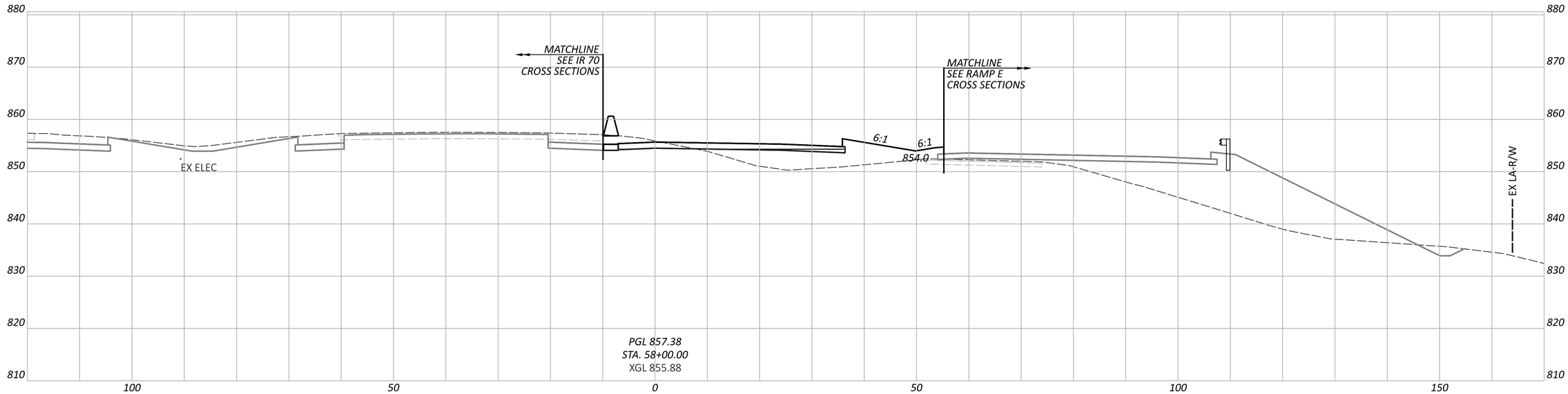
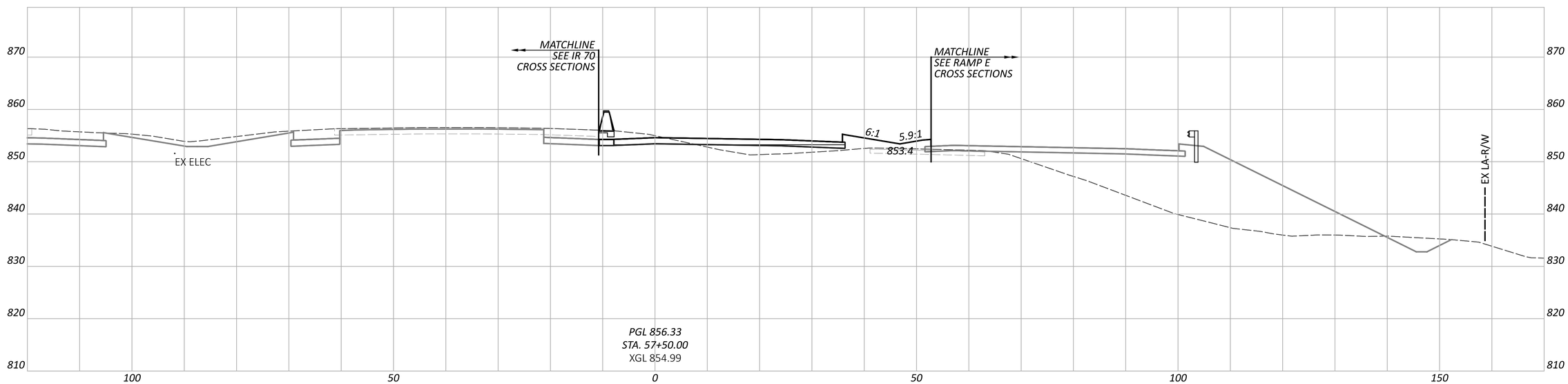
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0814
TOTAL	P.1556





CROSS SECTIONS - RAMP K
STA. 57+50.00 TO STA. 58+00.00

FAI/LIC-IR 70-0.00/0.00

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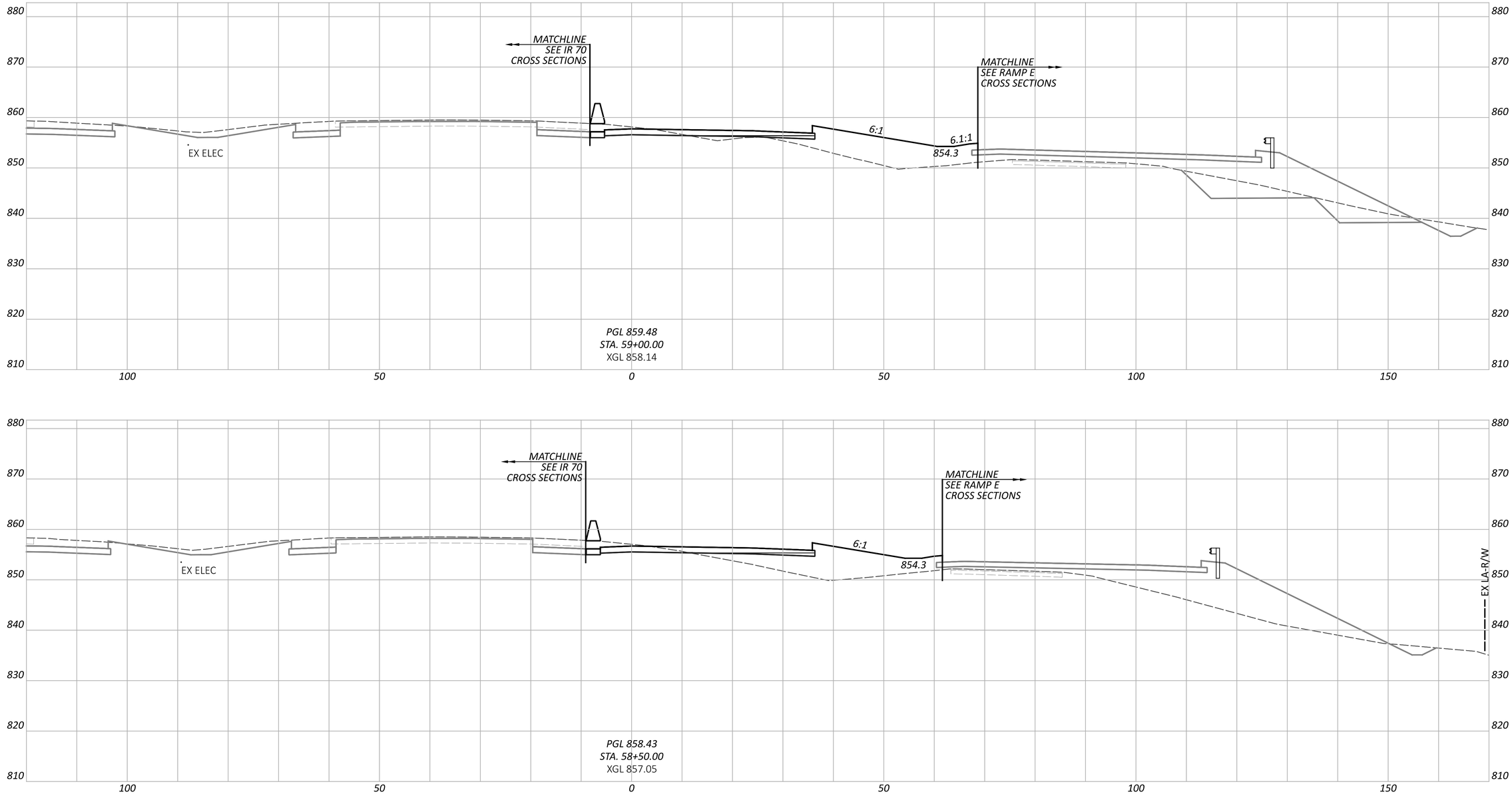
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0815 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 58+50.00 TO STA. 59+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 58+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:30 AM USER: brieder
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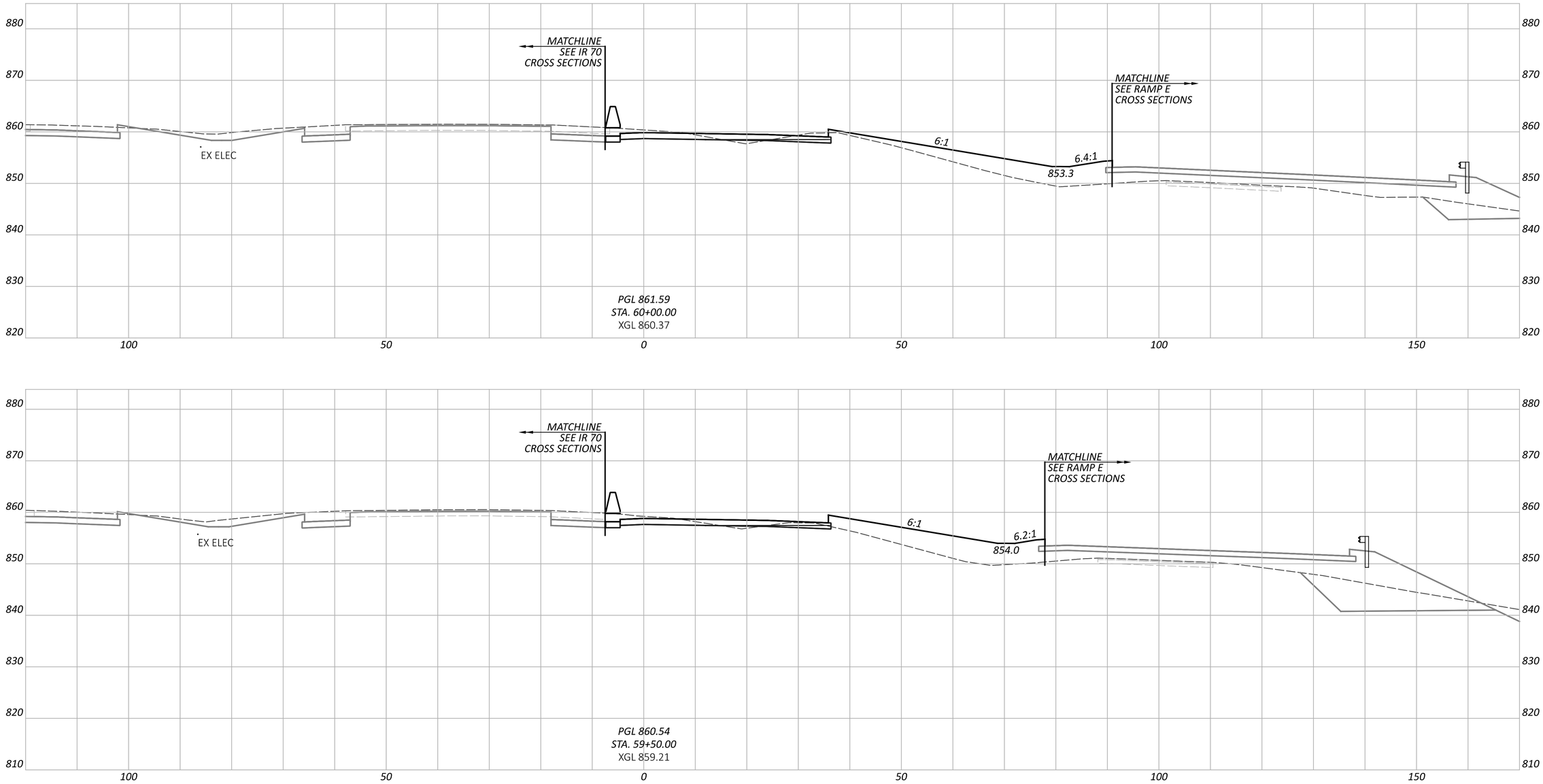
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0816 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 59+50.00 TO STA. 60+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OK - 59+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:33 AM USER: brieder
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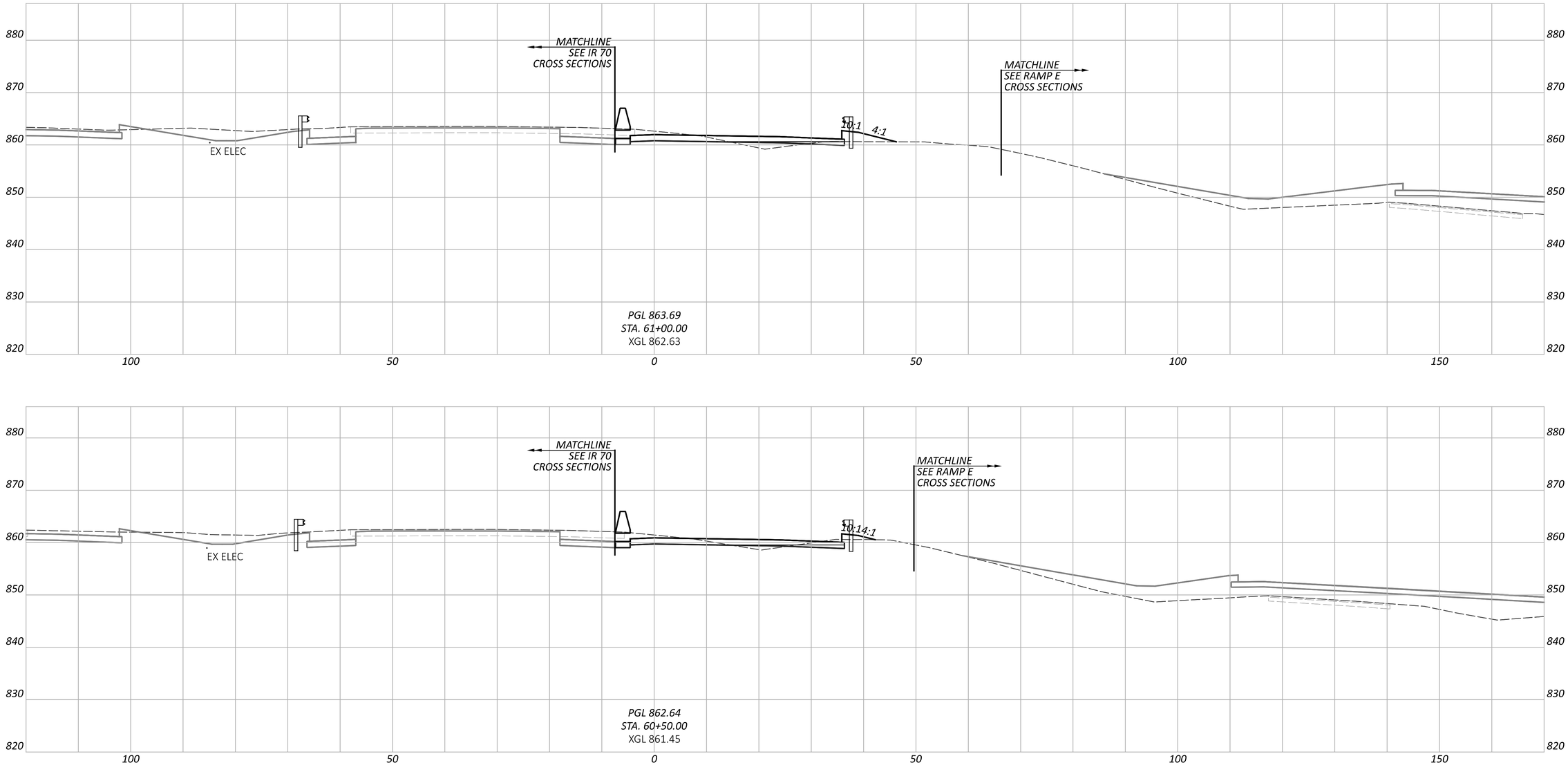
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0817 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 60+50.00 TO STA. 61+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 60+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:36 AM USER: brieder
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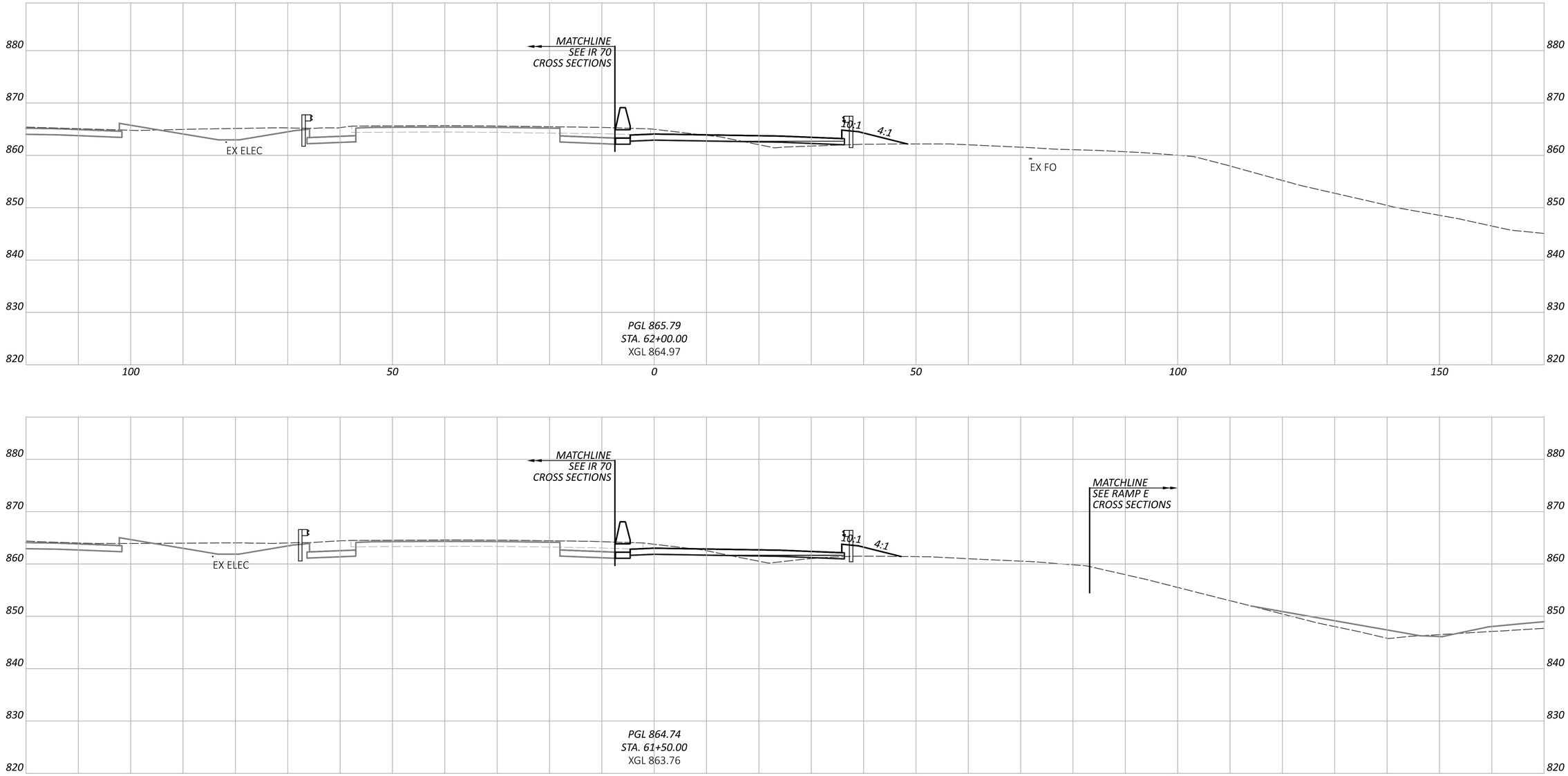
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0818 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 61+50.00 TO STA. 62+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 61+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:39 AM USER: brieder
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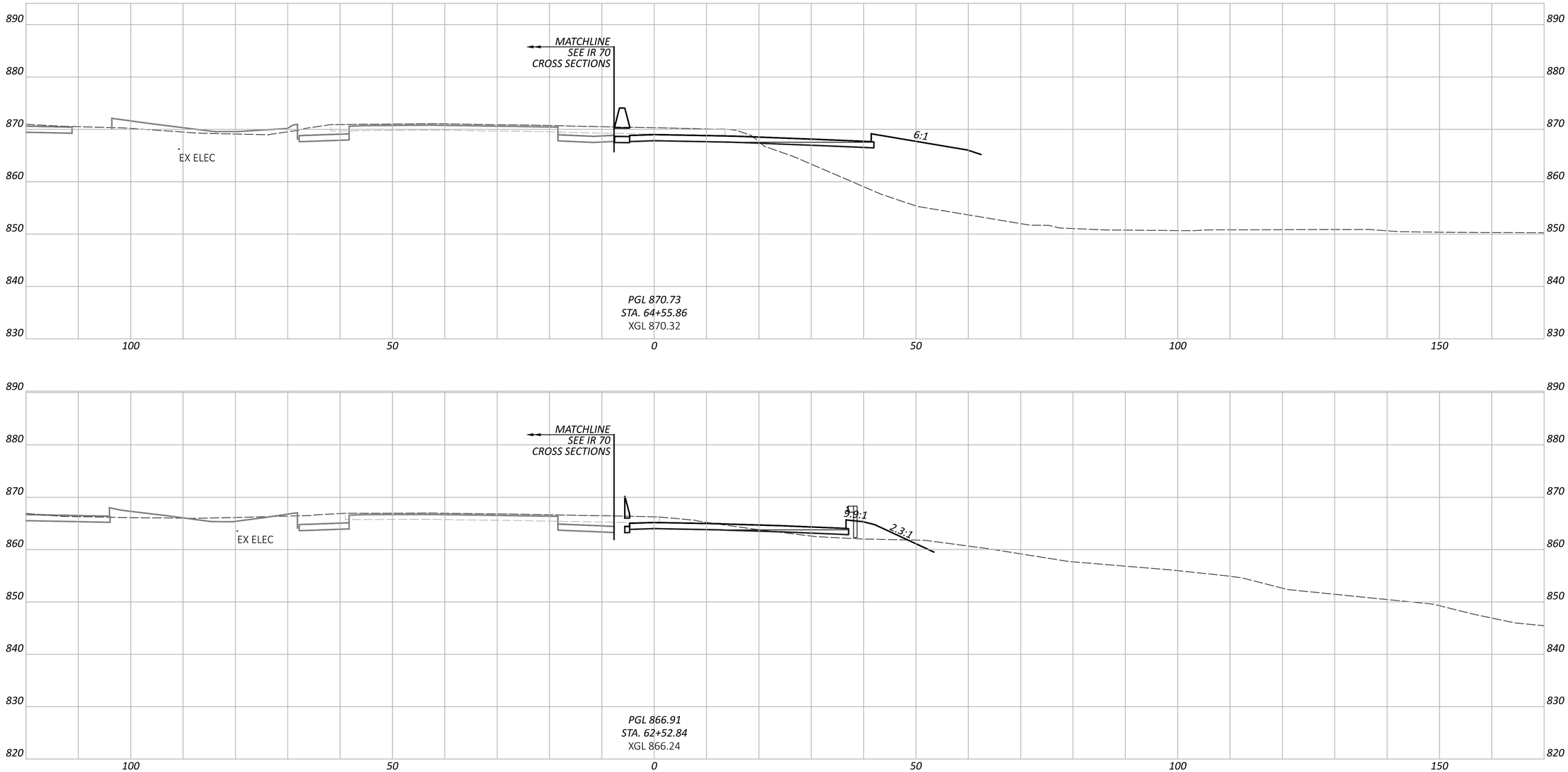
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0819 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 62+52.84 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:16:43 AM USER: brieder
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CROSS SECTIONS - RAMP K
STA. 62+52.84 TO STA. 64+55.86

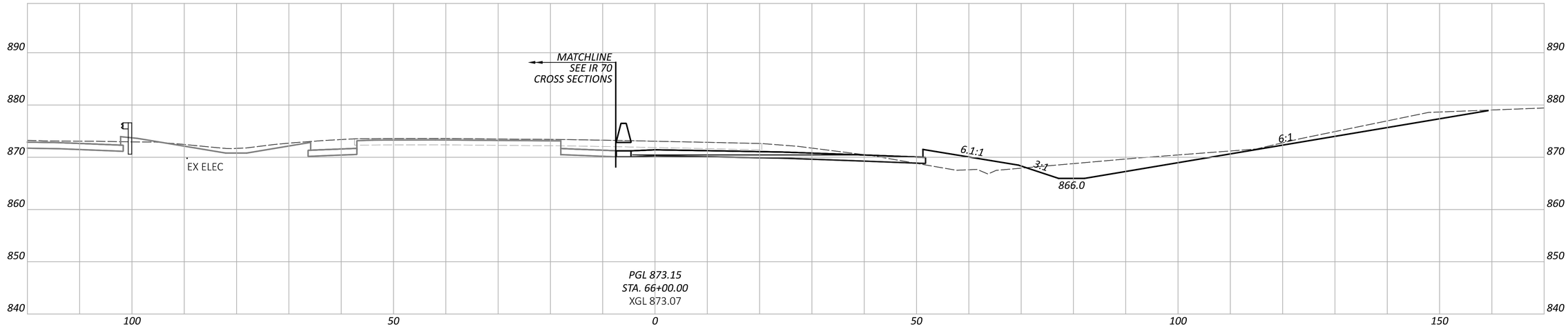
DESIGN AGENCY
STRUCTUREPOINT LLC

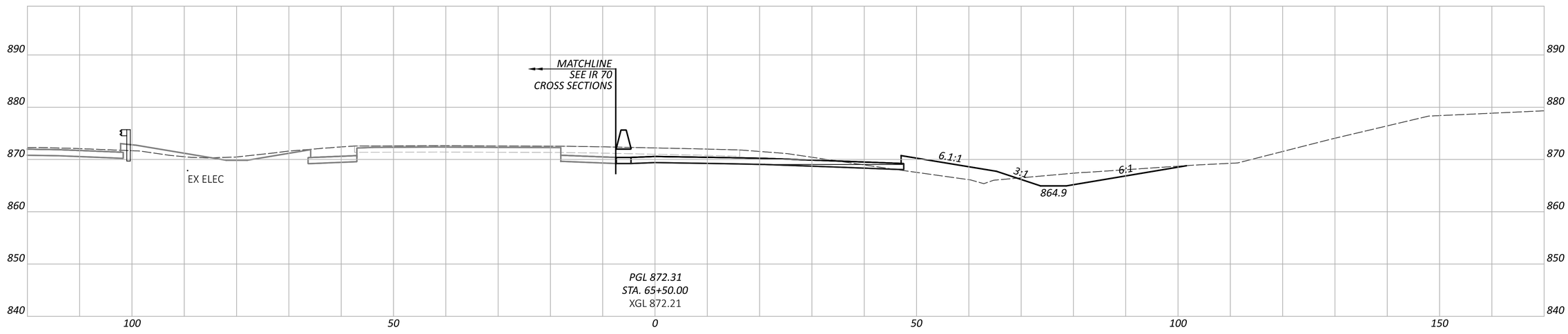
DESIGNER
BER

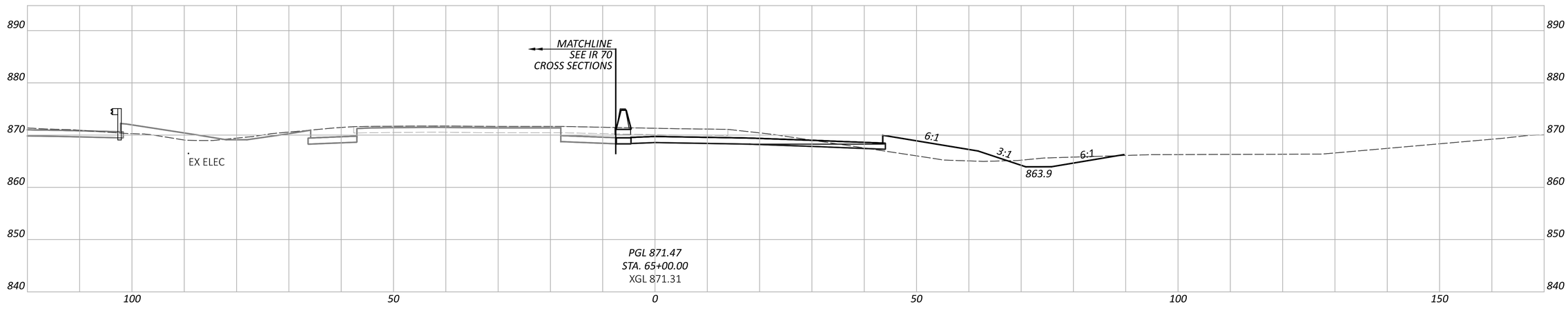
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0820 | TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP K
STA. 65+00.00 TO STA. 66+00.00

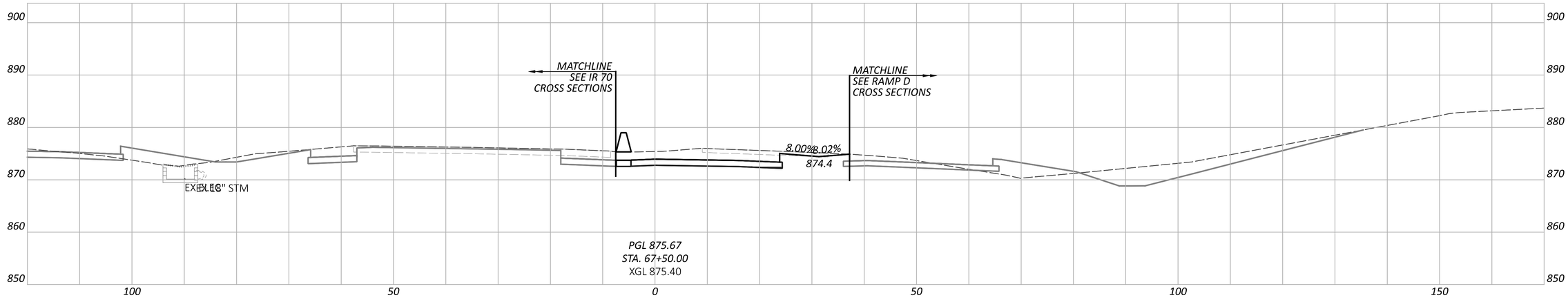
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

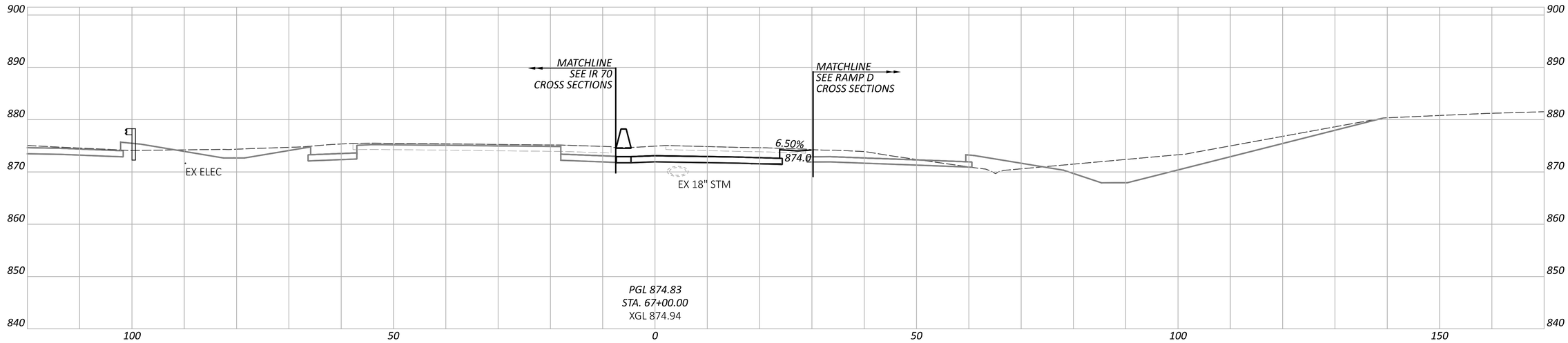
DESIGNER
BER

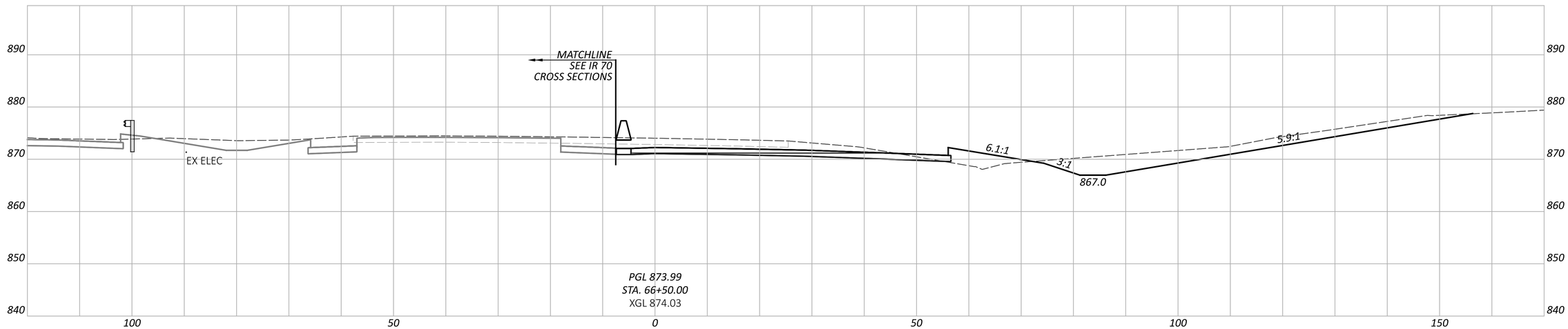
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0821 TOTAL P.1556







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STA. 66+50.00 TO STA. 67+50.00

FAI/LIC-IR 70-0.00/0.00

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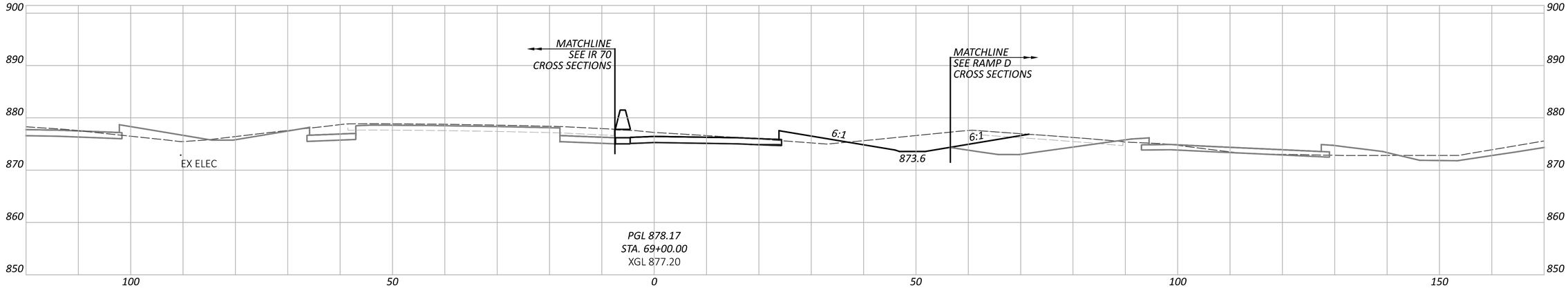
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

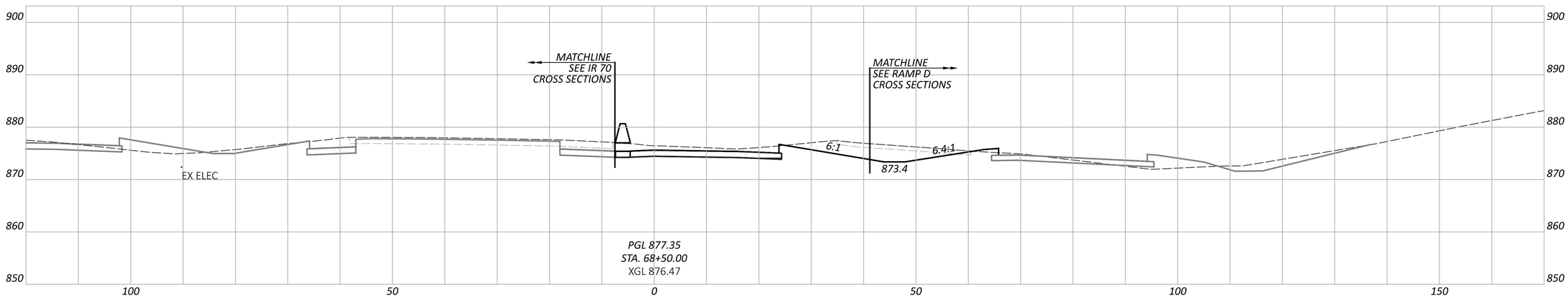
DESIGNER
BER

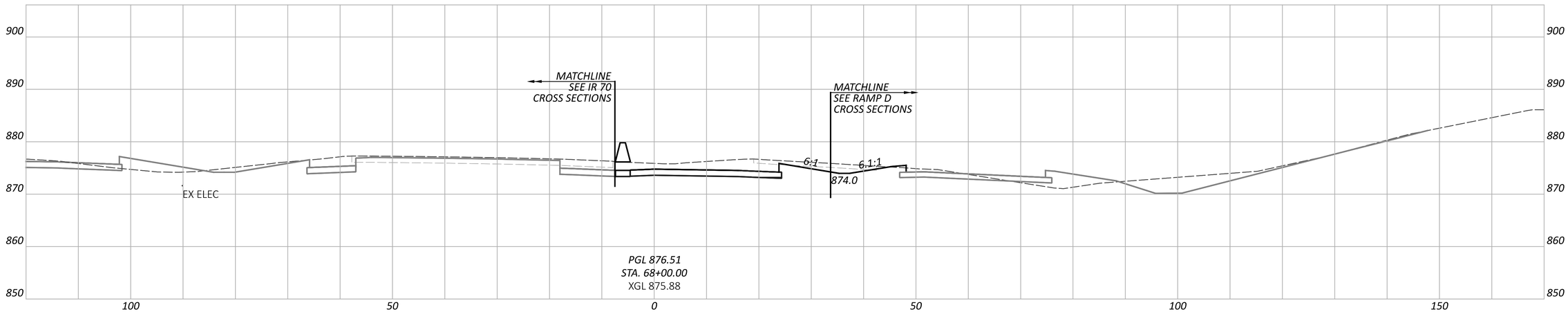
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0822 TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 68+00.00 TO STA. 69+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0823 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP K
STA. 69+50.00 TO STA. 70+50.00

DESIGN AGENCY
MORPHEN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0824 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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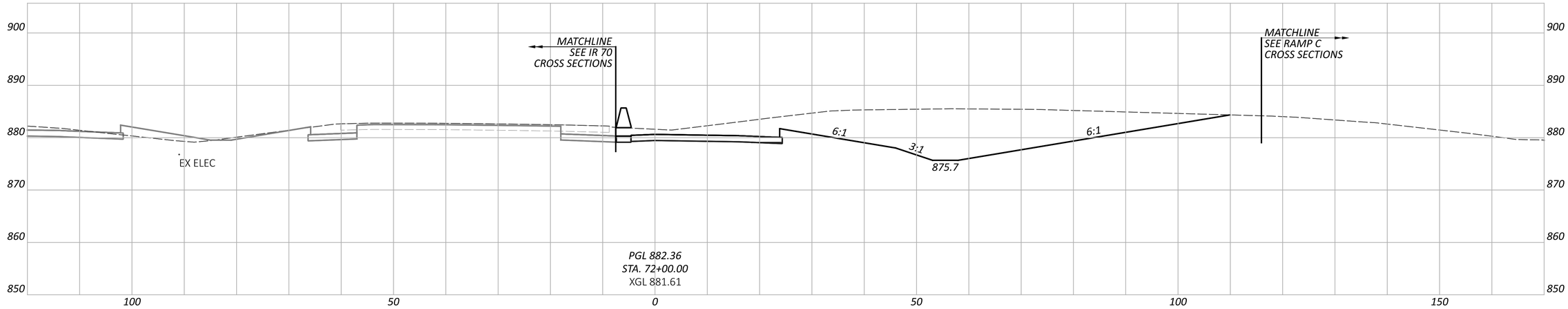

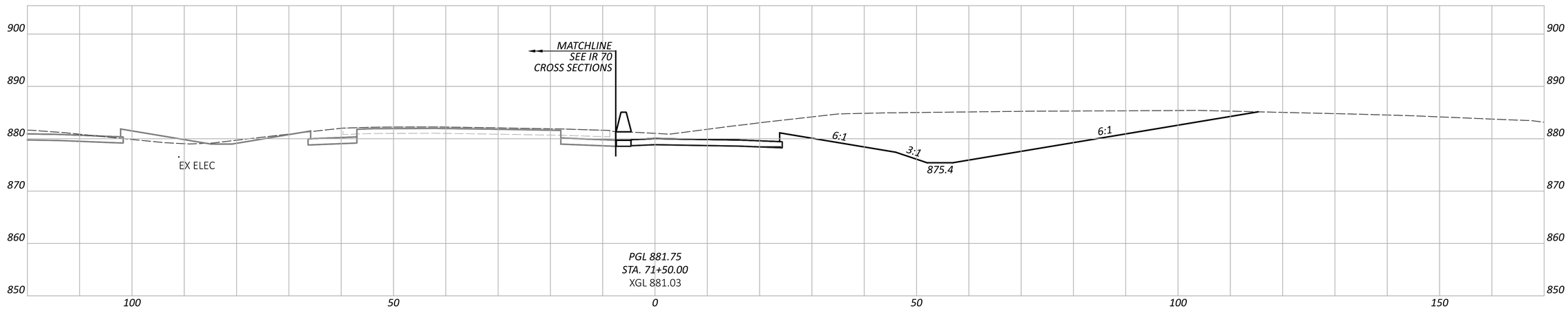

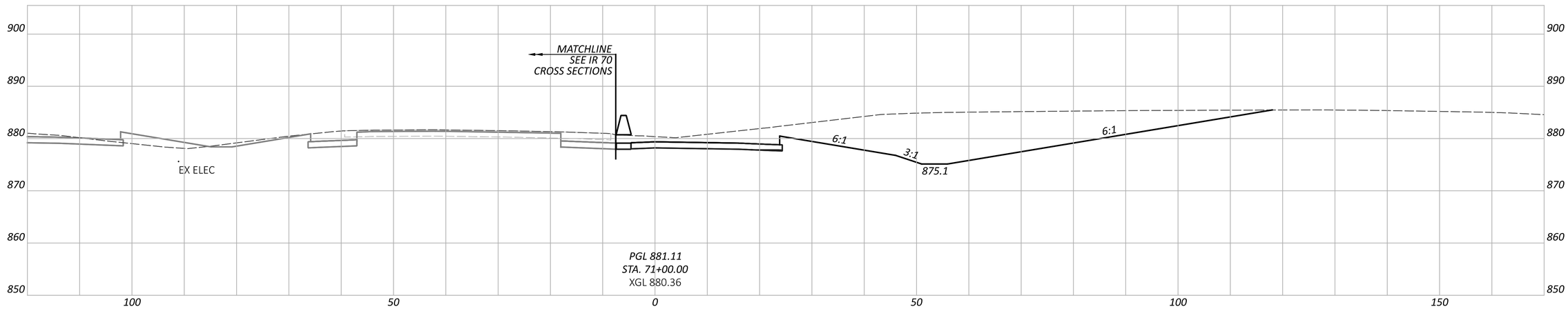

CROSS SECTIONS - RAMP K
STA. 71+00.00 TO STA. 72+00.00

FAI/LIC-IR 70-0.00/0.00

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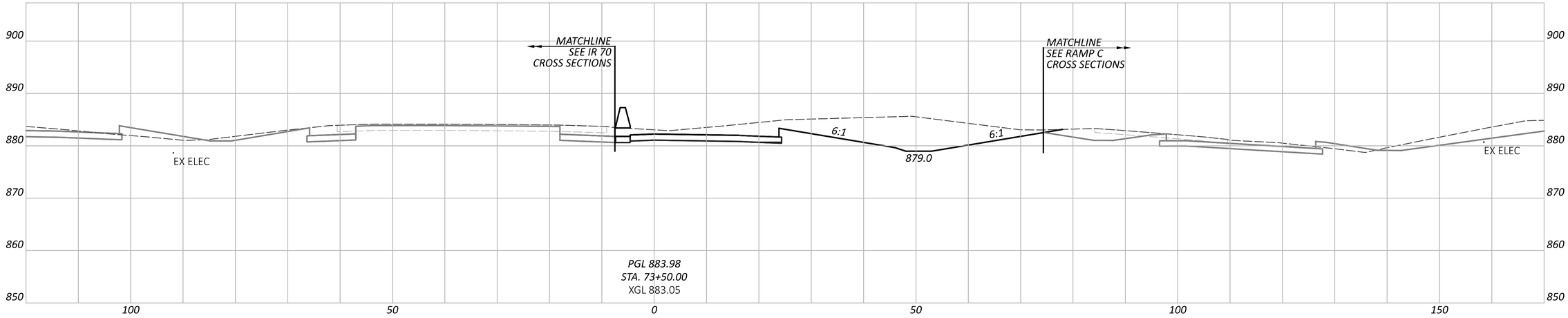
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

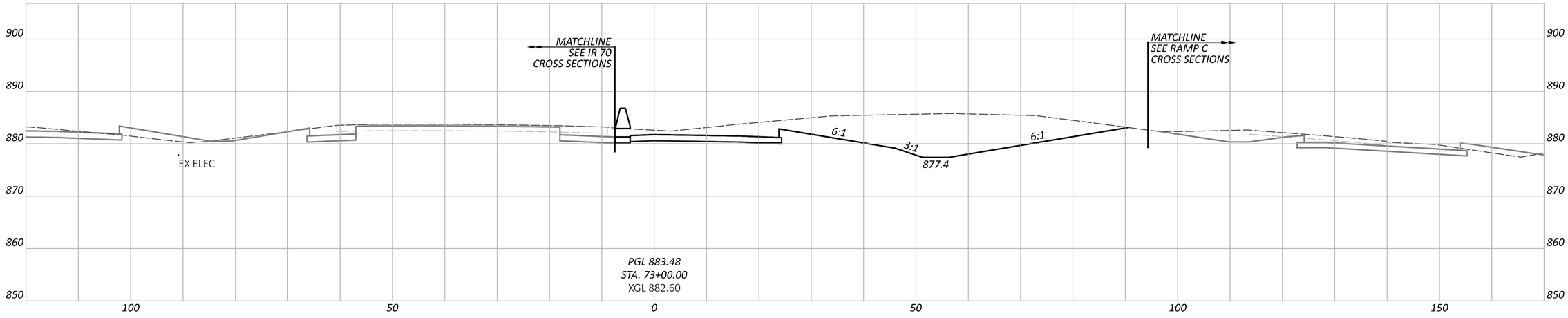
DESIGNER
BER

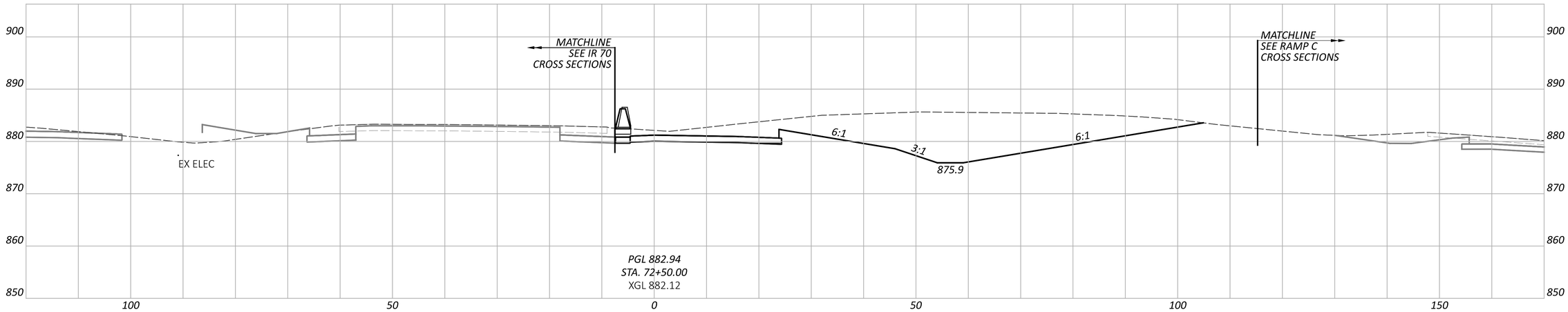
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0825 TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 72+50.00 TO STA. 73+50.00

FAI/LIC-IR 70-0.00/0.00

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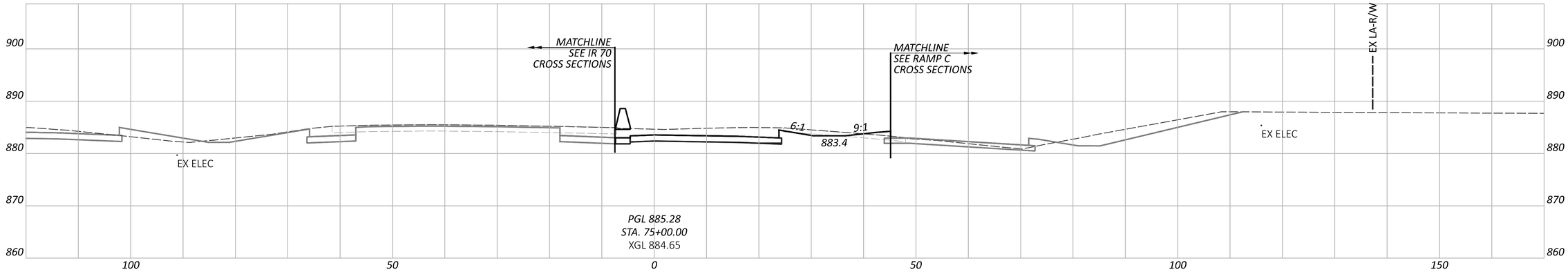
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

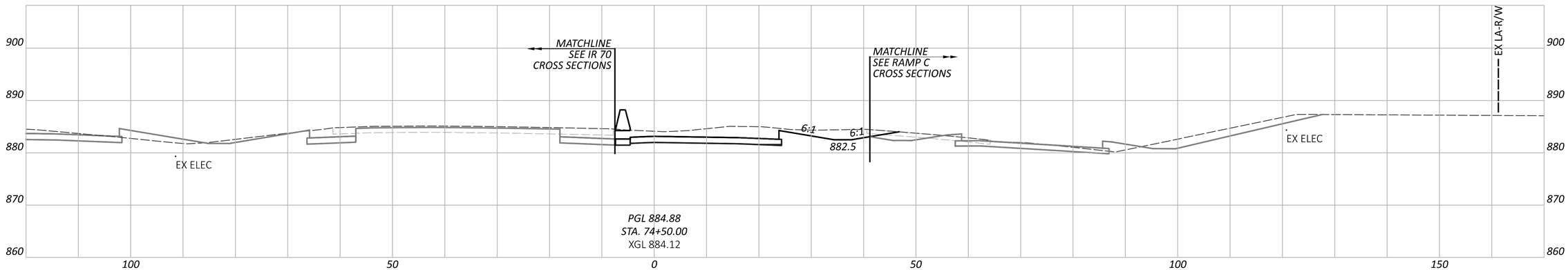
DESIGNER
BER

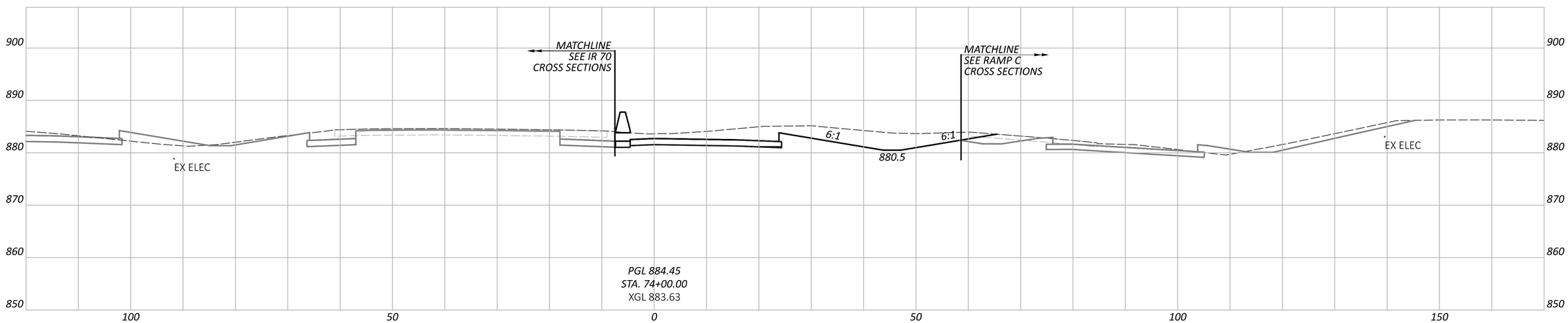
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0826 TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 74+00.00 TO STA. 75+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0827
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OK - 74+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:12 AM USER: brieder
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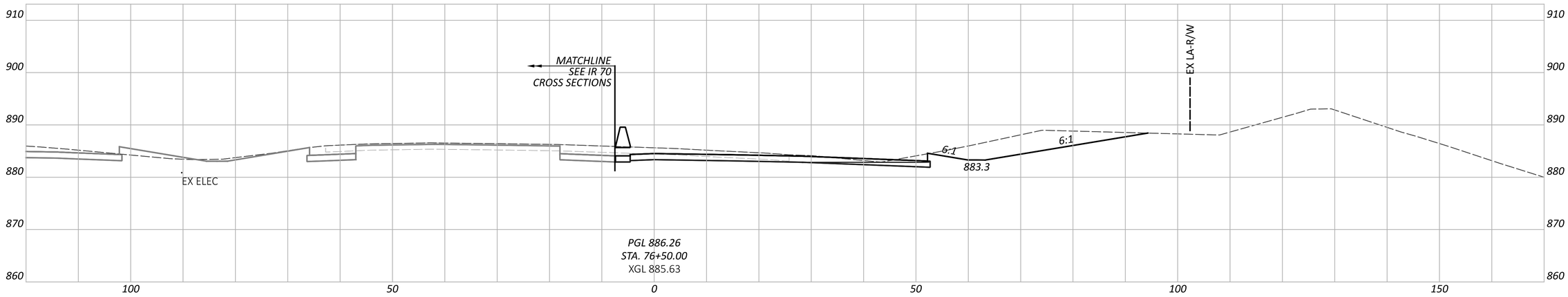

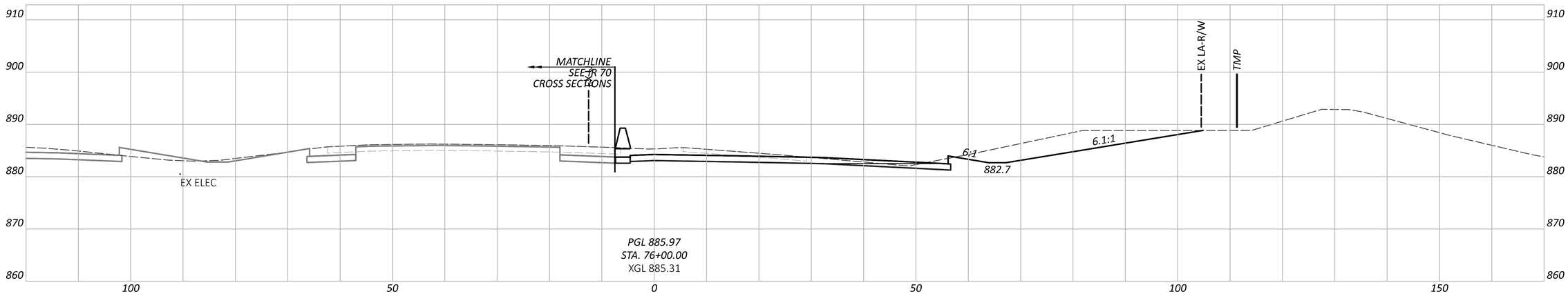

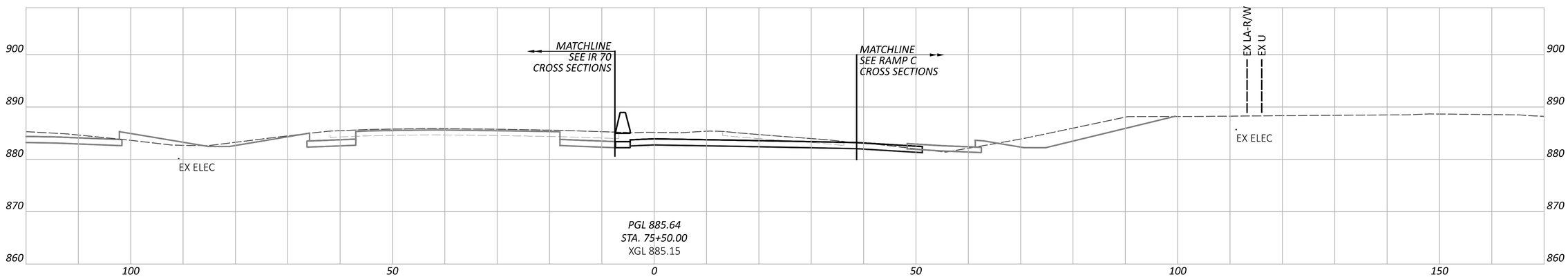

CROSS SECTIONS - RAMP K
STA. 75+50.00 TO STA. 76+50.00

DESIGN AGENCY
WILBUR SMITH STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0828 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 75+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:17 AM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP K
STA. 77+00.00 TO STA. 78+00.00

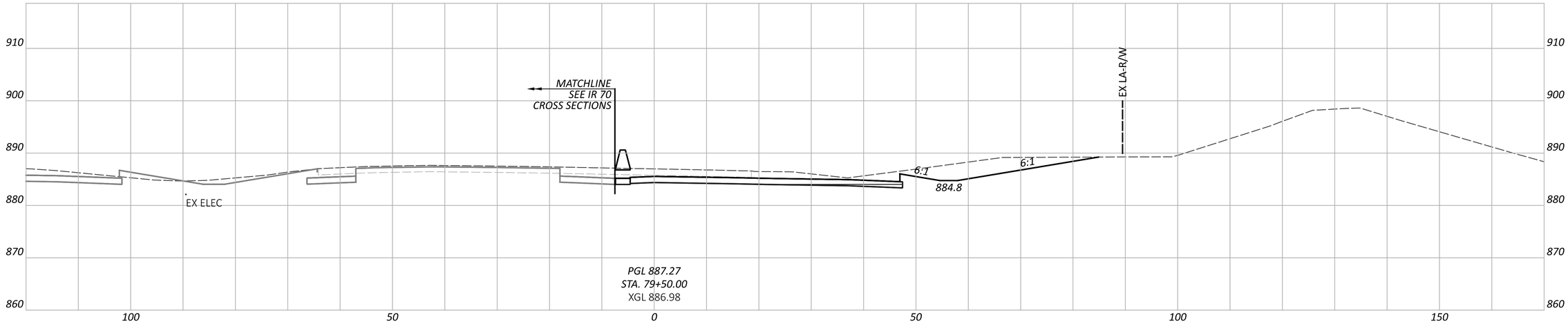
DESIGN AGENCY
STRUCTUREPOINT LLC

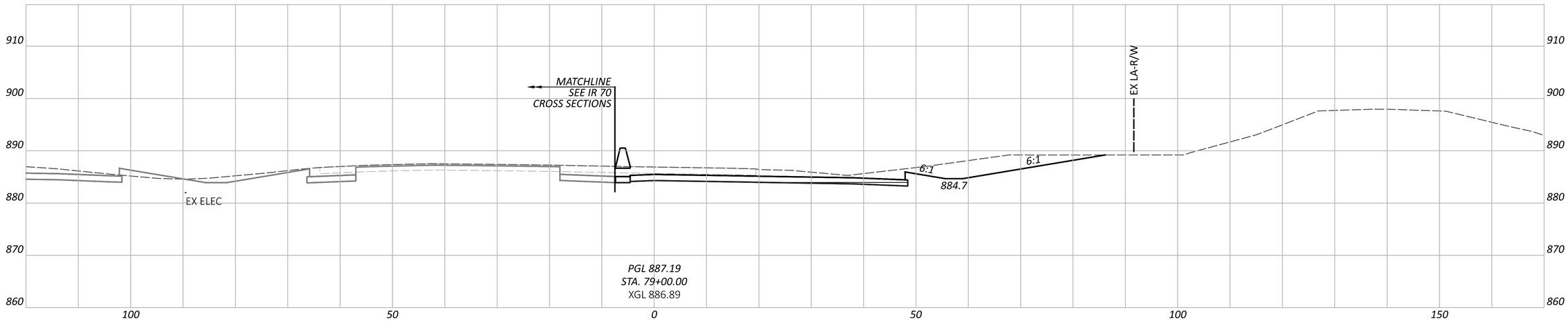
DESIGNER
BER

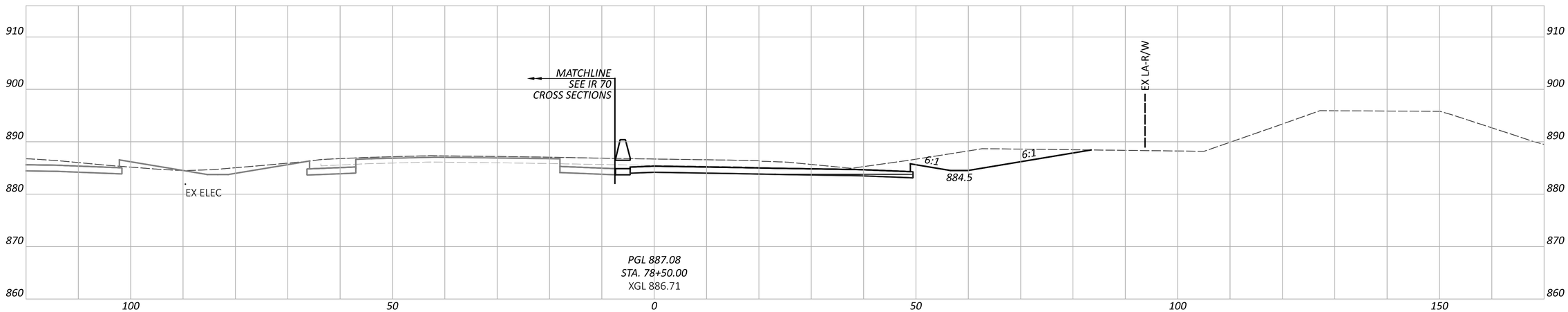
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0829 | TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 78+50.00 TO STA. 79+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0830 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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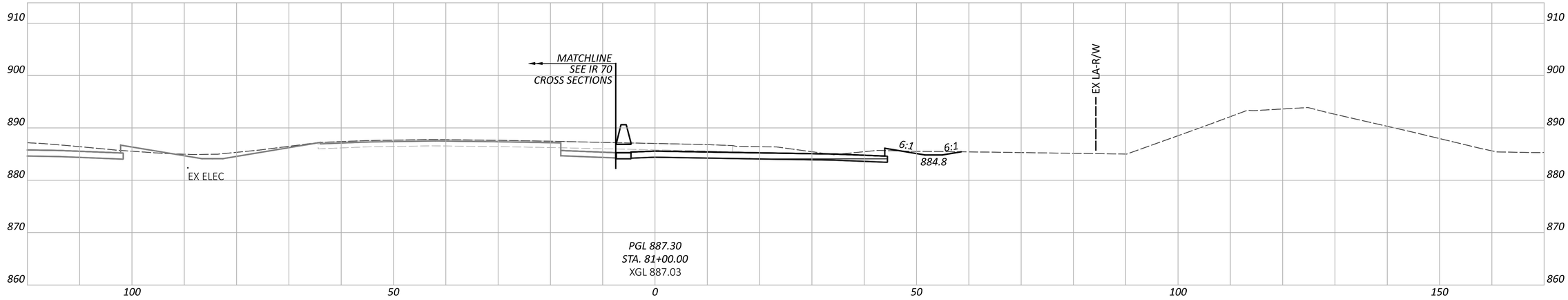

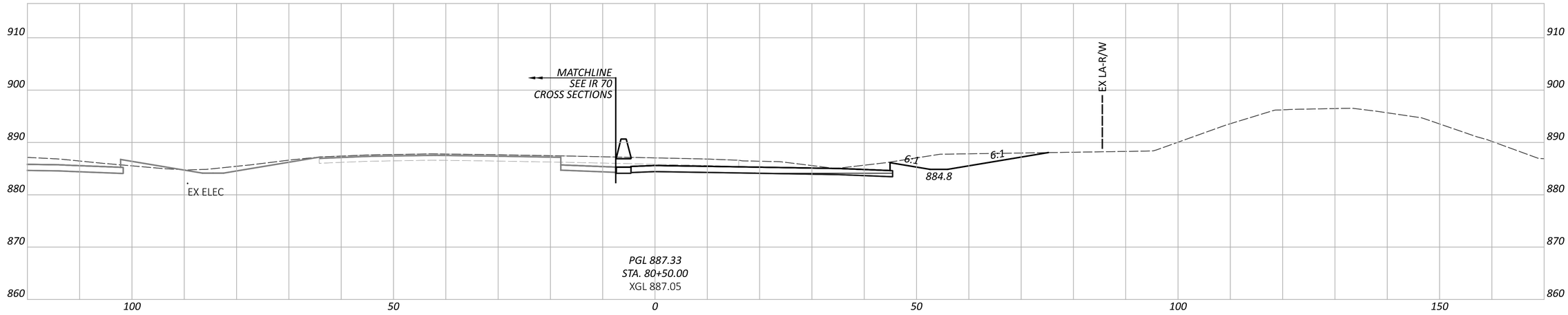

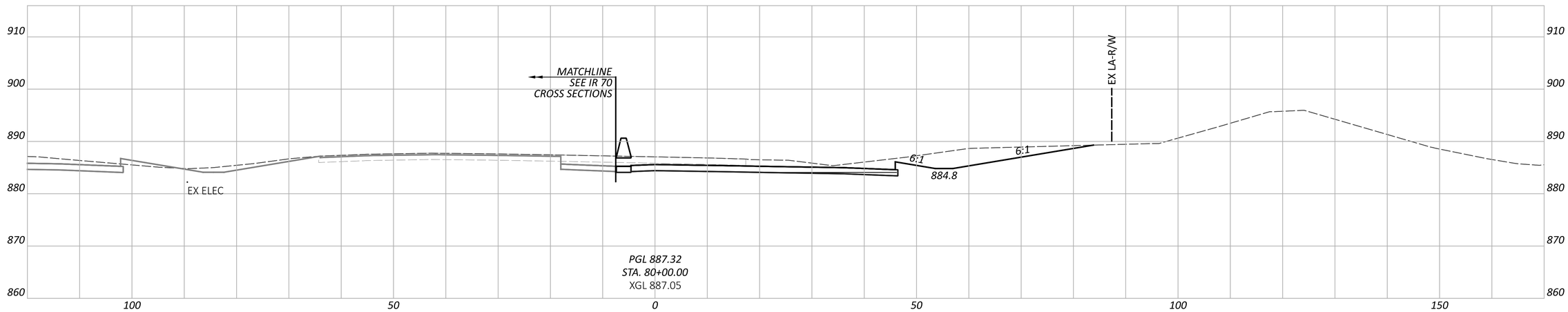

CROSS SECTIONS - RAMP K
STA. 80+00.00 TO STA. 81+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 80+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:28 AM USER: brieder
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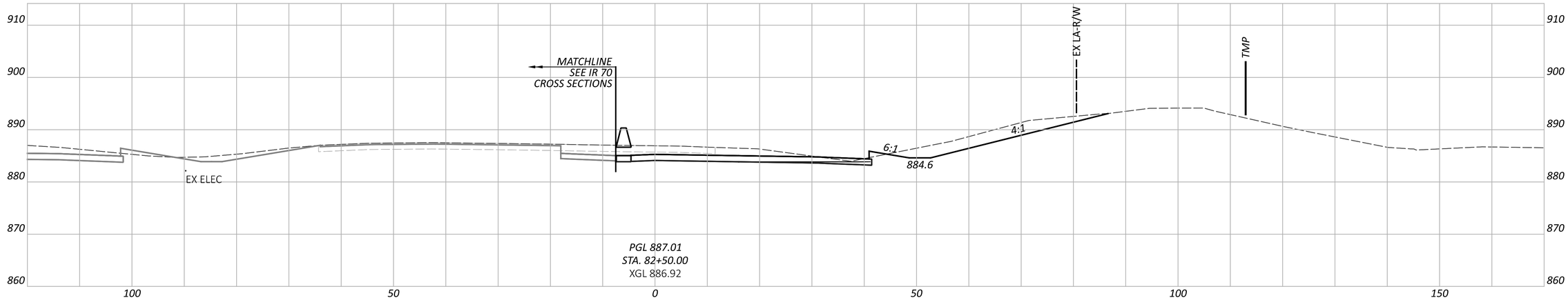
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

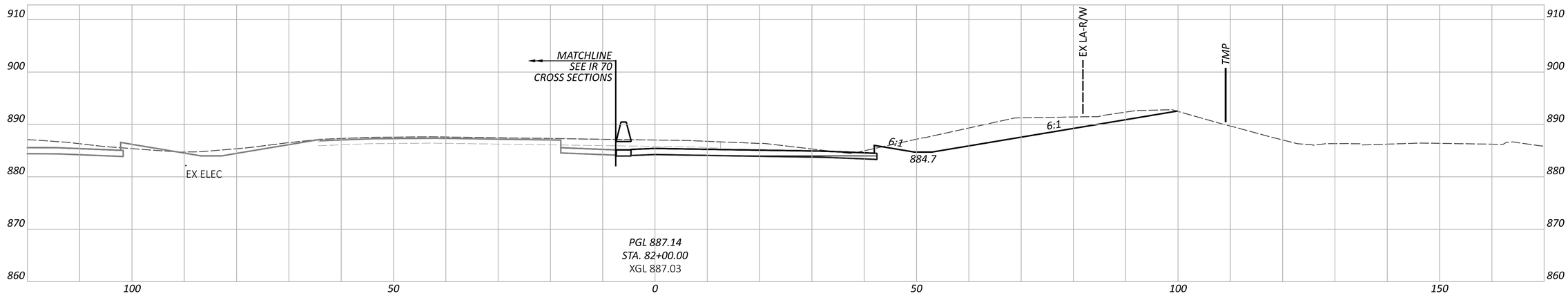
DESIGNER
BER

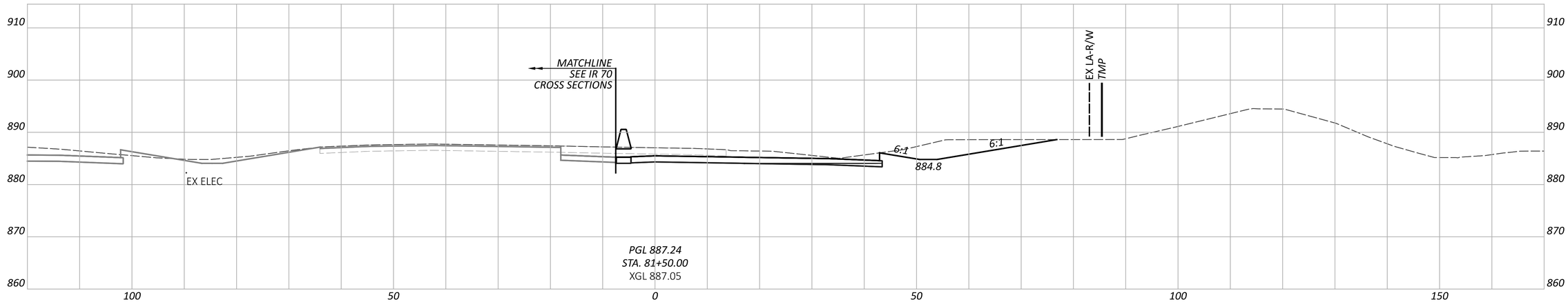
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0831 TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 81+50.00 TO STA. 82+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 81+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:33 AM USER: brieder
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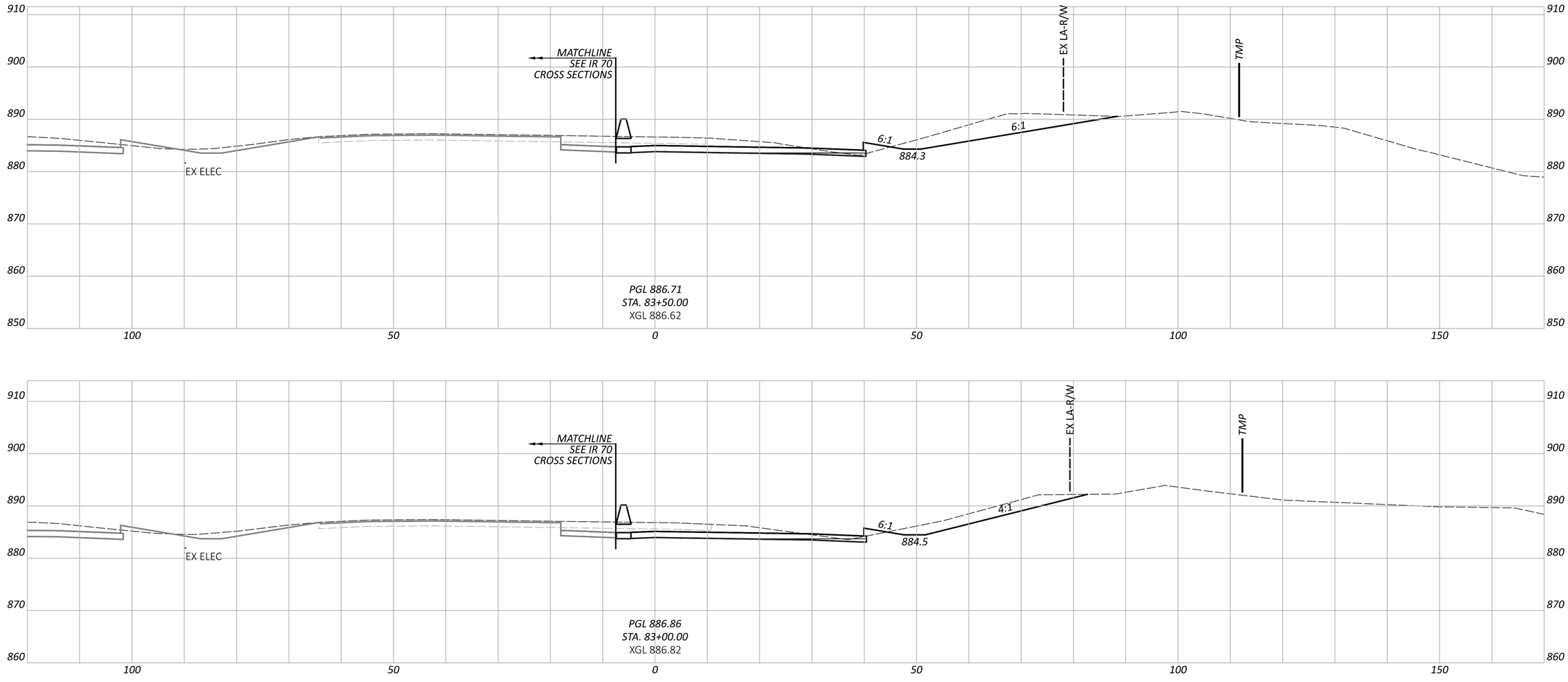
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0832 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 83+00.00 TO STA. 83+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 83+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:37 AM USER: brieder
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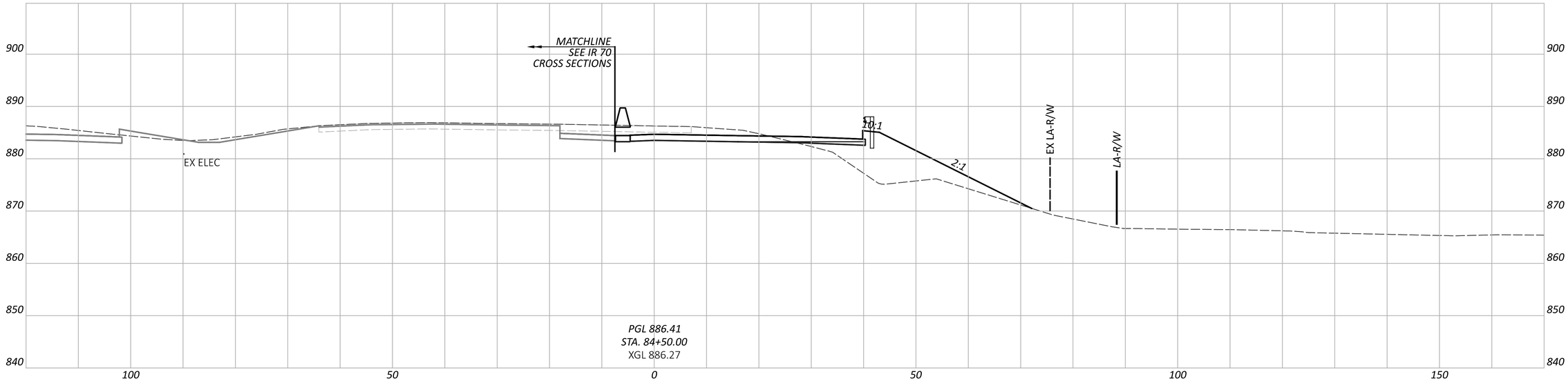
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

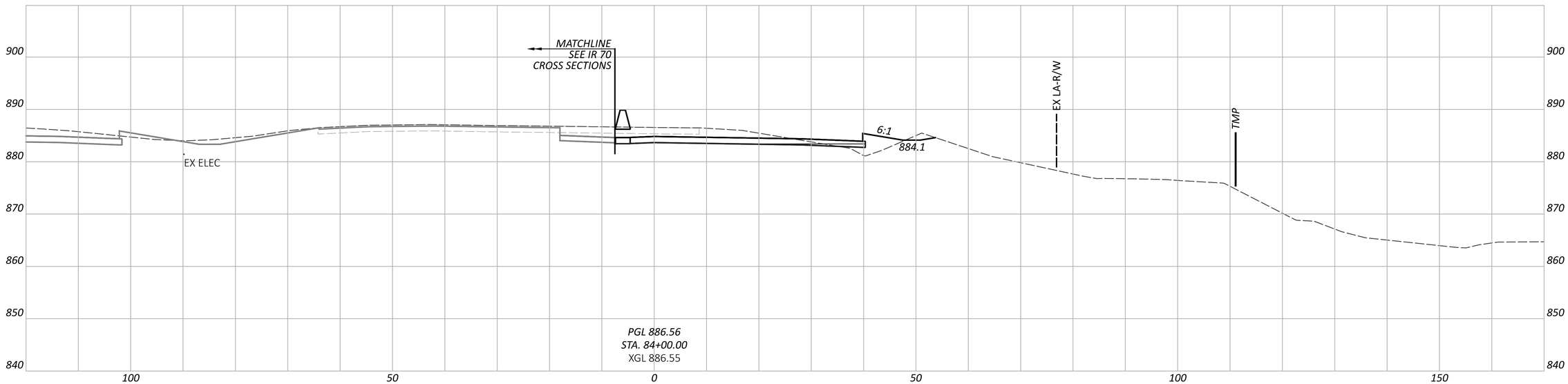
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0833 TOTAL P.1556





CROSS SECTIONS - RAMP K
STA. 84+00.00 TO STA. 84+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0834 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 84+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:40 AM USER: brieder
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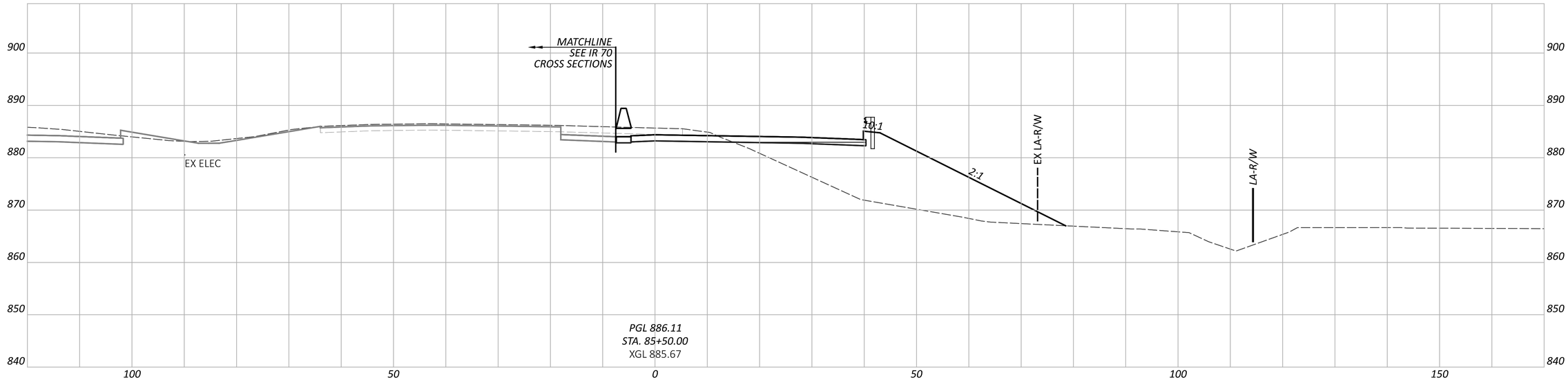

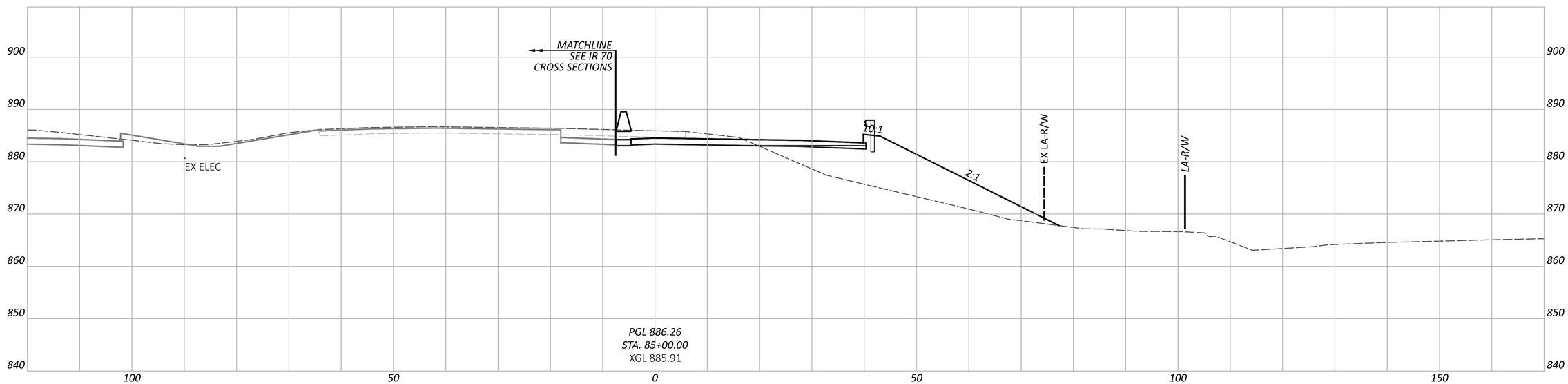

CROSS SECTIONS - RAMP K
STA. 85+00.00 TO STA. 85+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 85+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:43 AM USER: brieder
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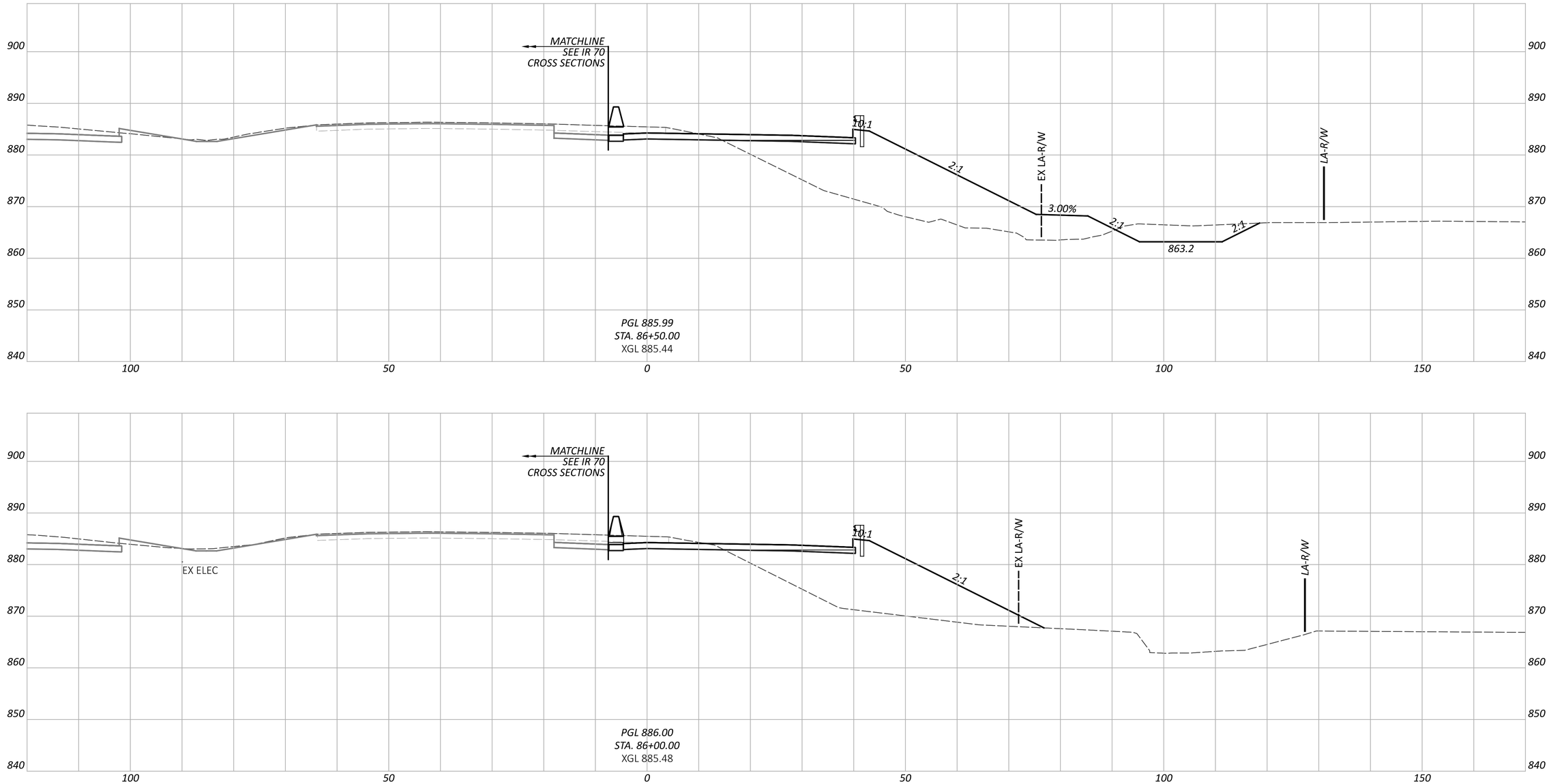
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0835 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 86+00.00 TO STA. 86+50.00

FAI/LIC-IR 70-0.00/0.00

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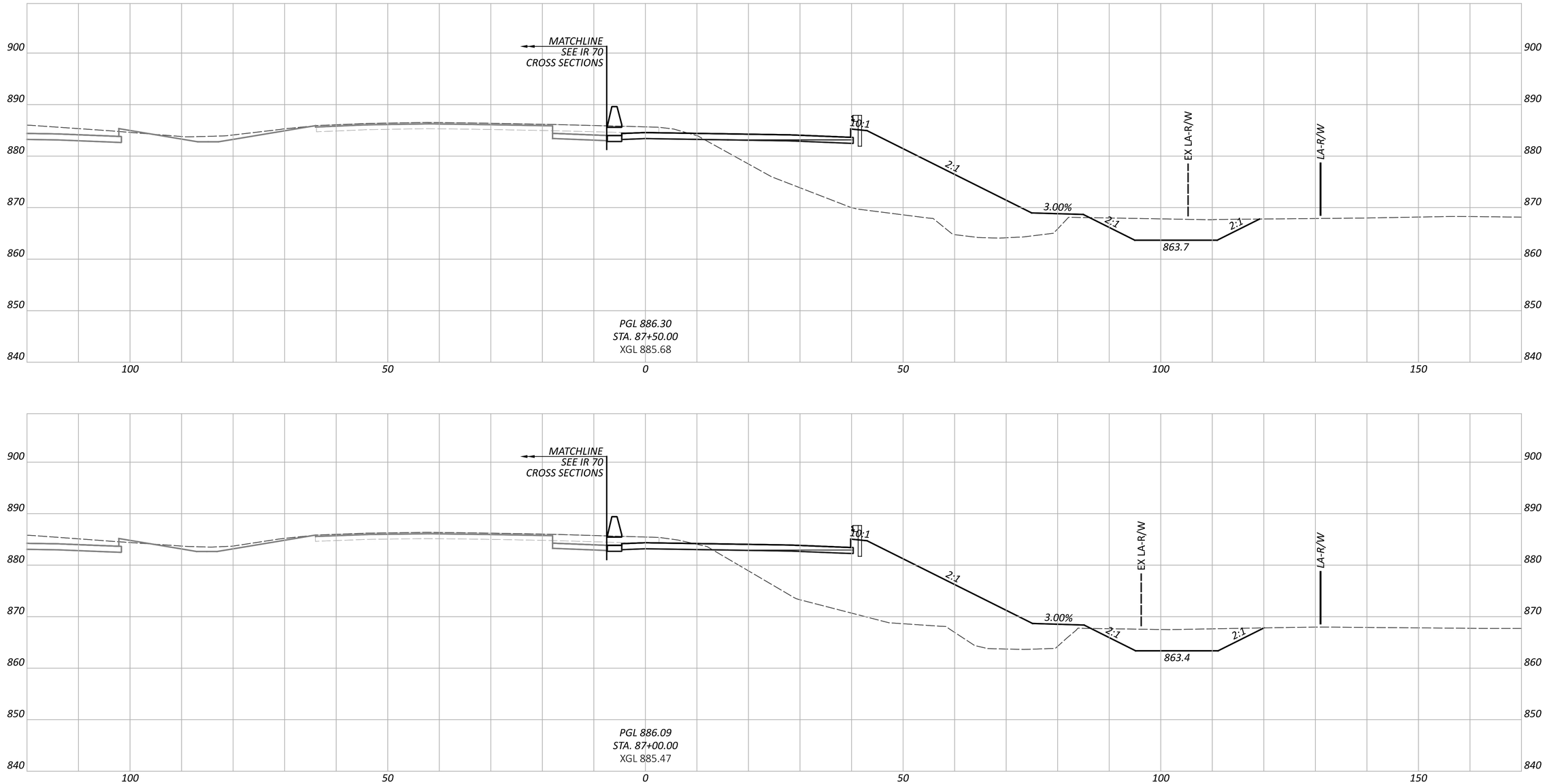
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0836 | TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 87+00.00 TO STA. 87+50.00

FAI/LIC-IR 70-0.00/0.00

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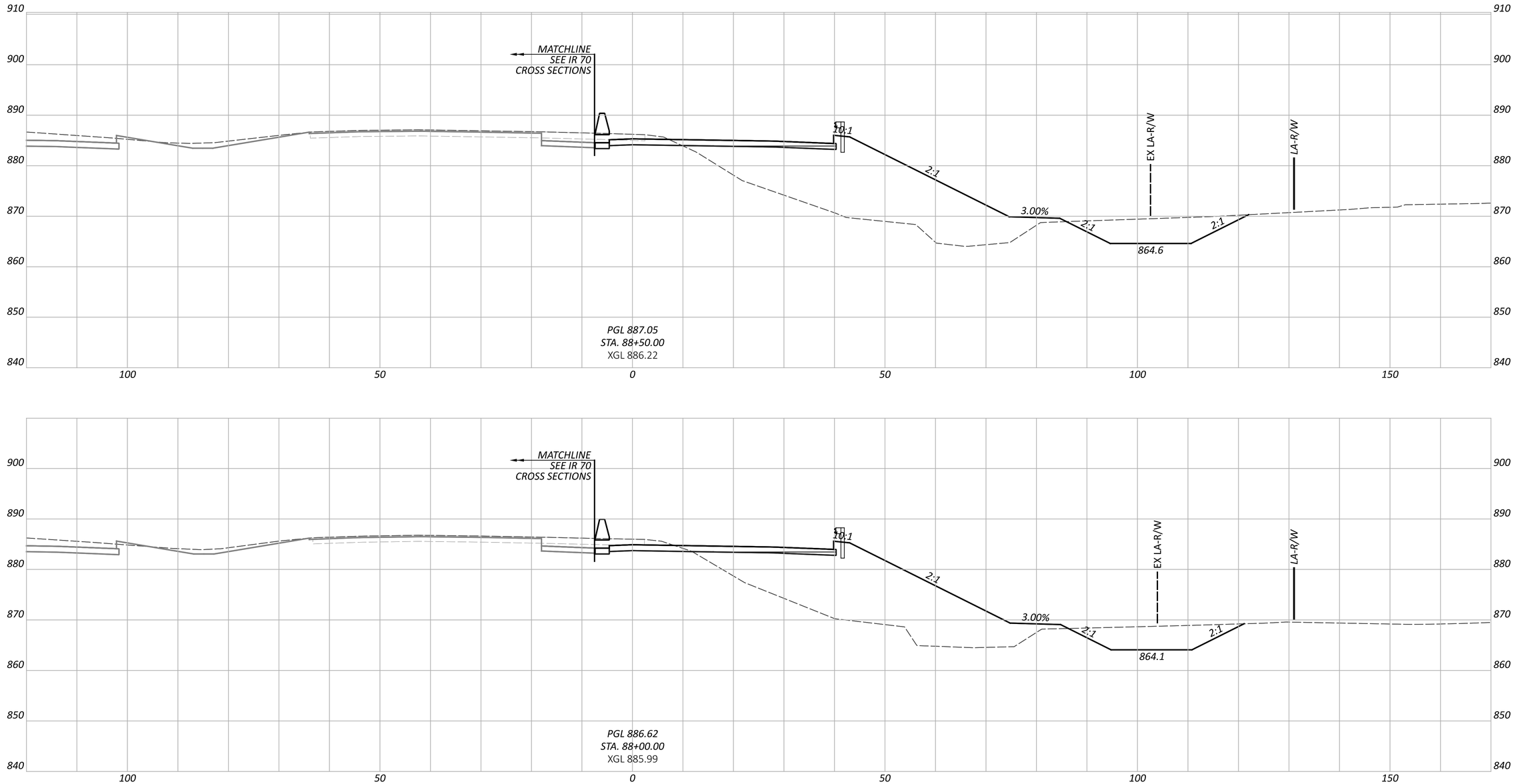
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0837 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 88+00.00 TO STA. 88+50.00

FAI/LIC-IR 70-0.00/0.00

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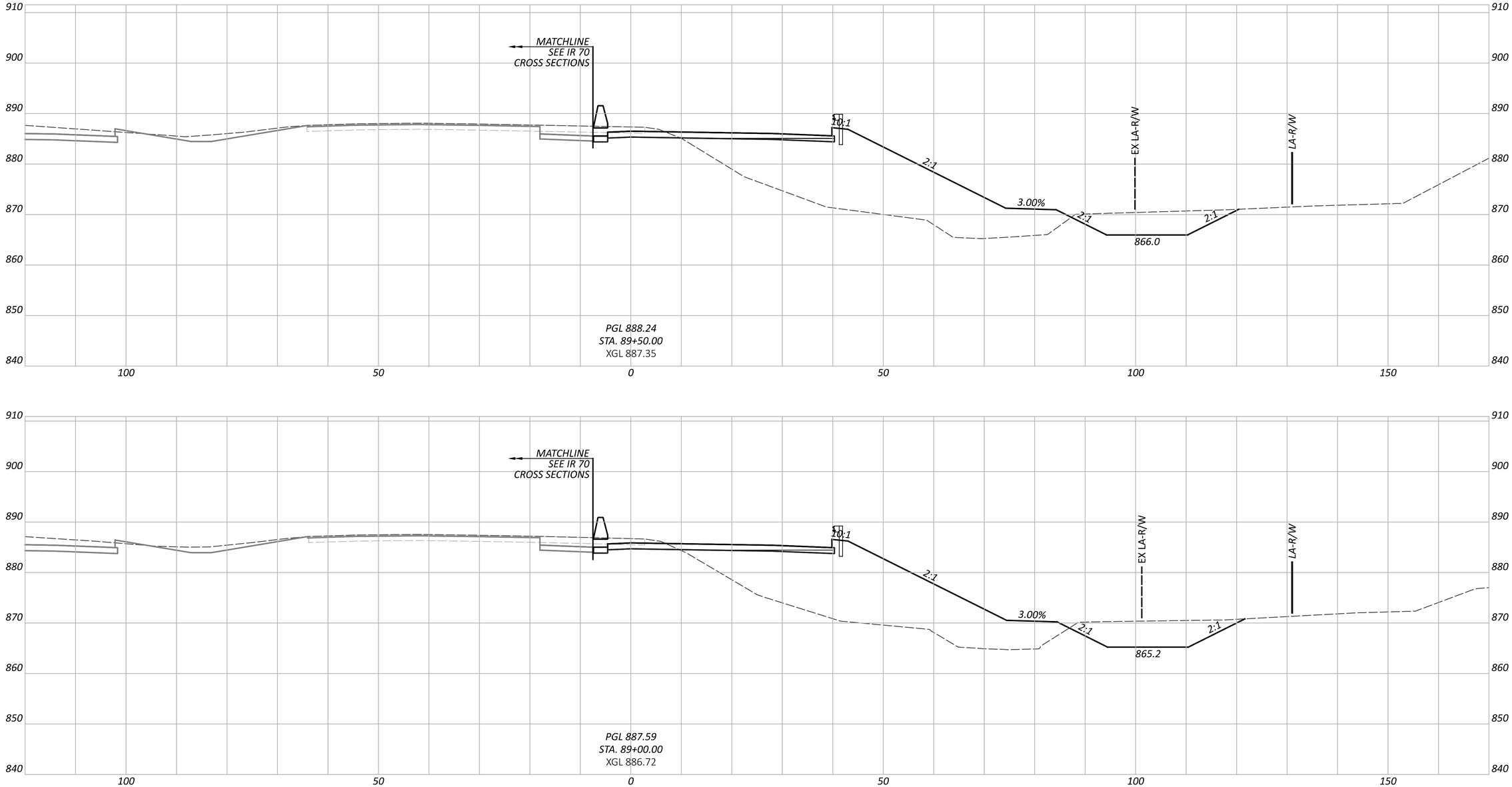
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0838 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 89+00.00 TO STA. 89+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 89+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:17:56 AM USER: brieder
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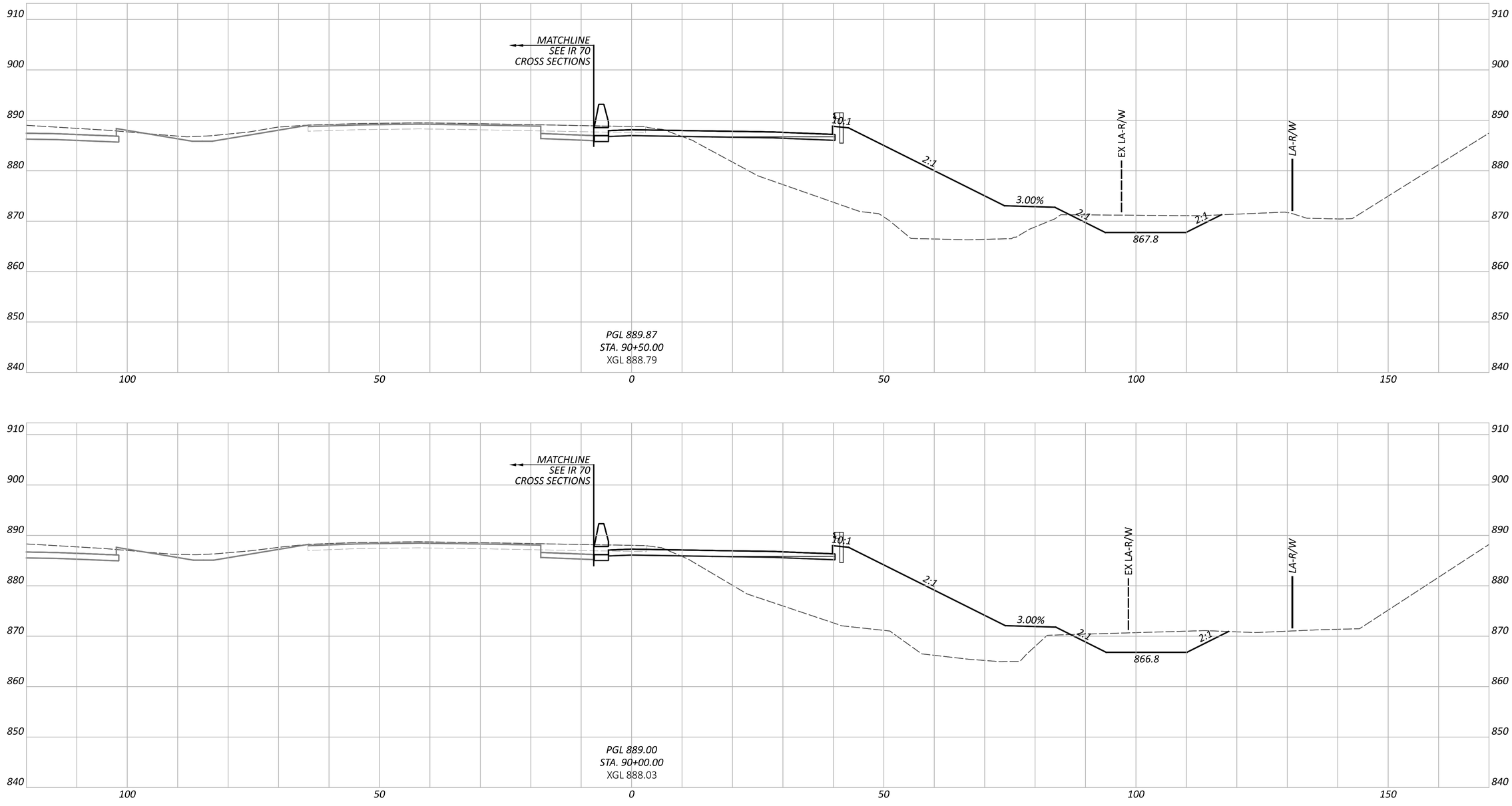
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0839 TOTAL P.1556



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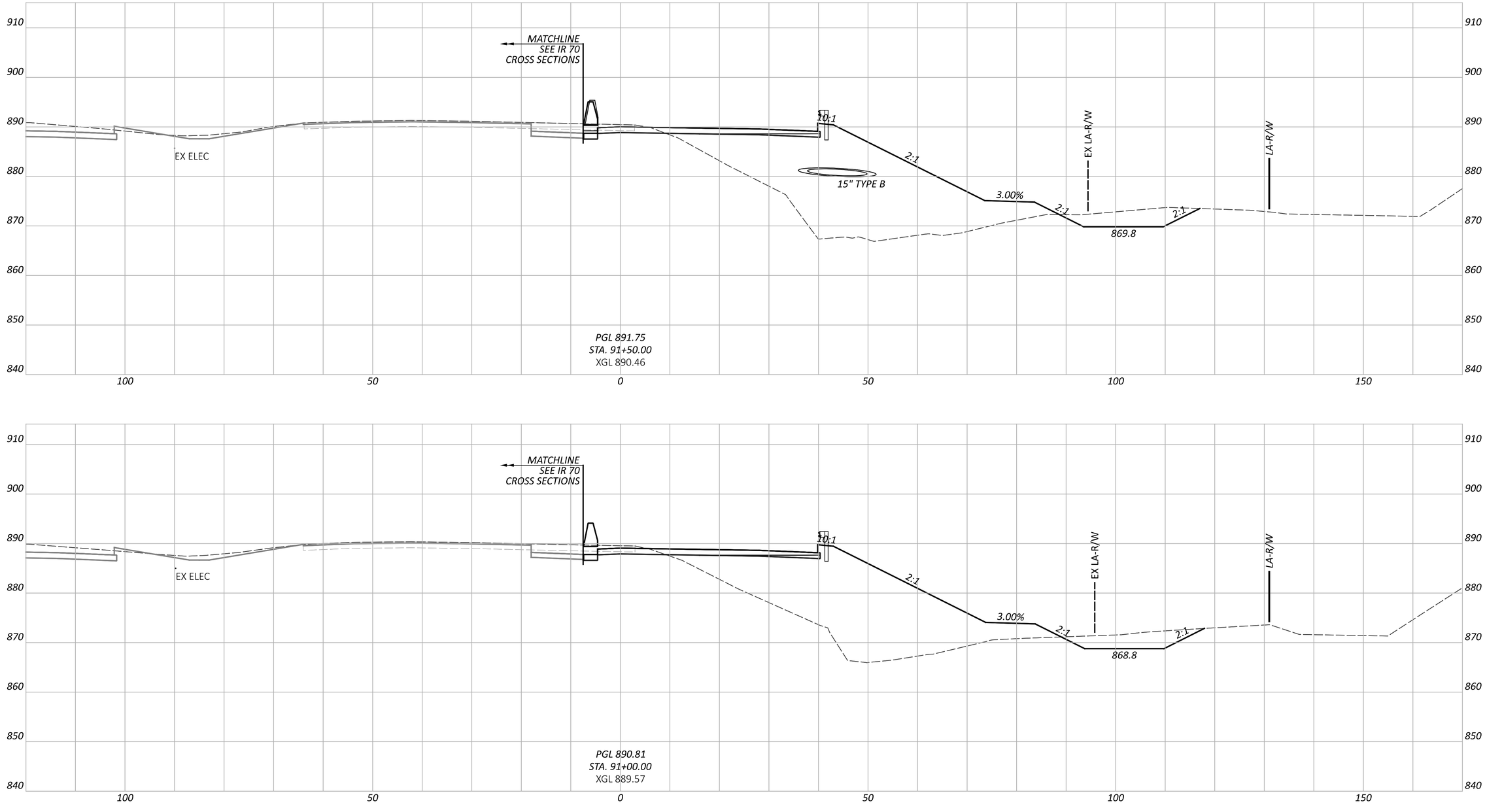
CROSS SECTIONS - RAMP K
STA. 90+00.00 TO STA. 90+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0840
TOTAL P.1556



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STA. 91+00.00 TO STA. 91+50.00

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 91+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:02 AM USER: brieder
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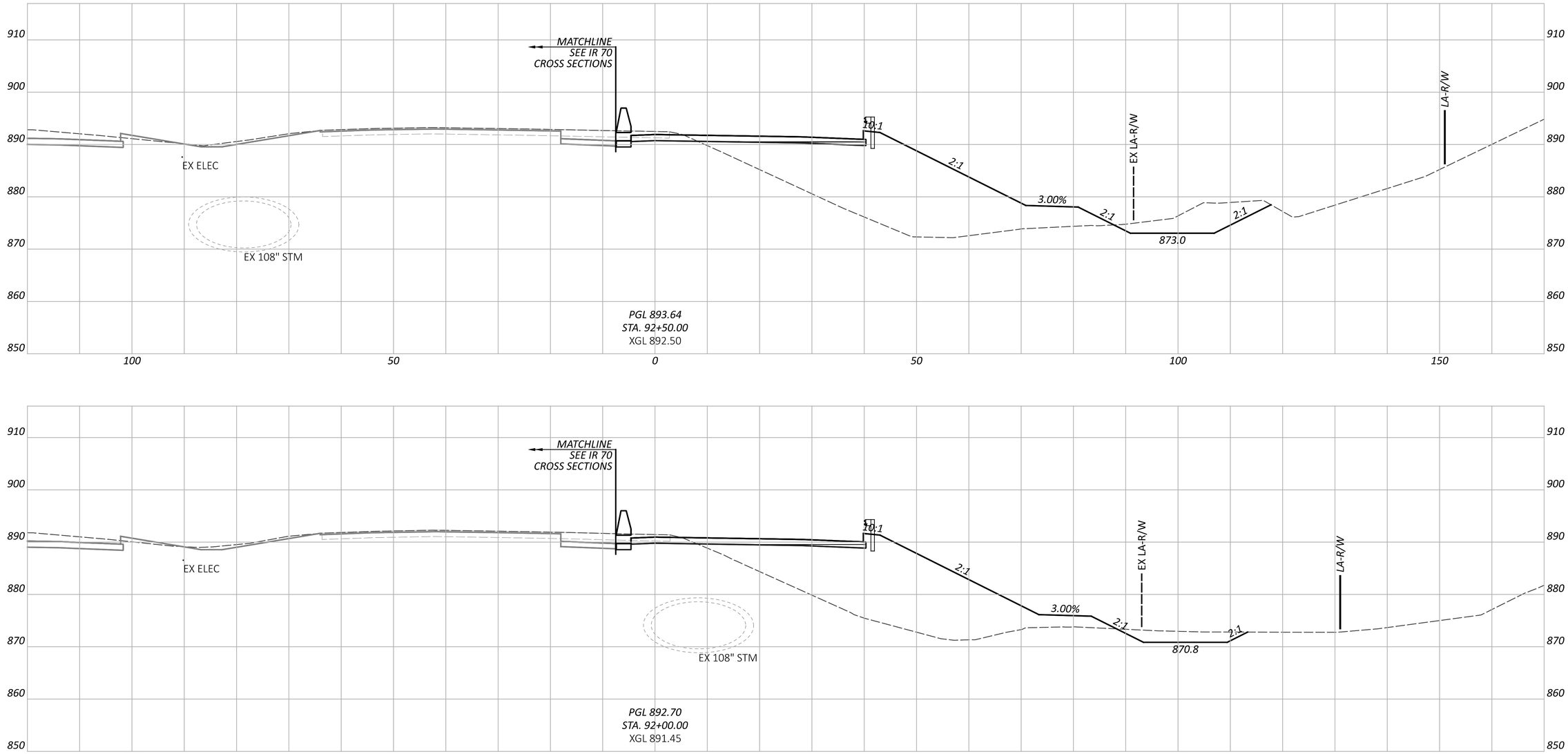
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0841 | TOTAL P.1556



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STA. 92+00.00 TO STA. 92+50.00

FAI/LIC-IR 70-0.00/0.00

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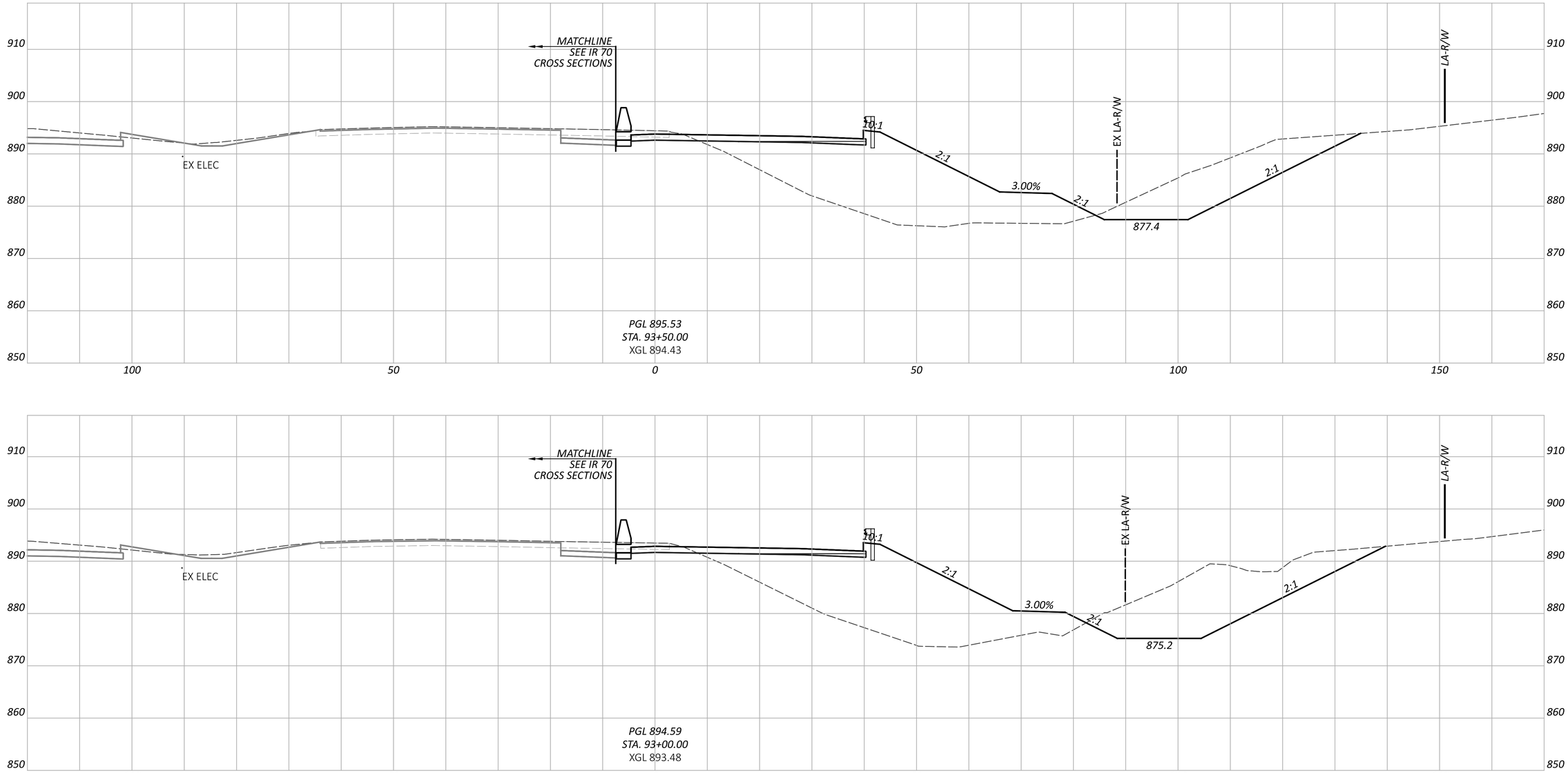
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0842 | TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 93+00.00 TO STA. 93+50.00

FAI/LIC-IR 70-0.00/0.00

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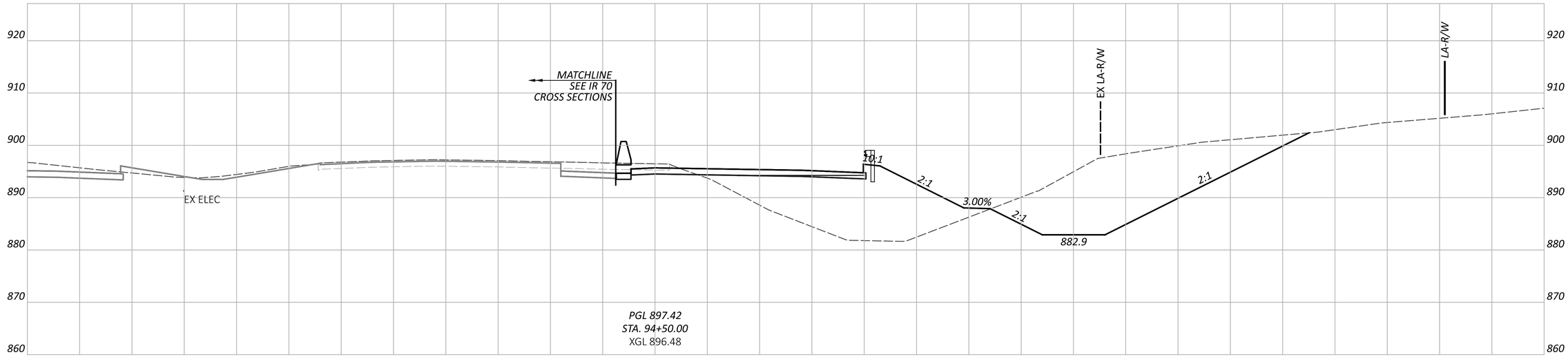
DESIGN AGENCY
STRUCTUREPOINT LLC

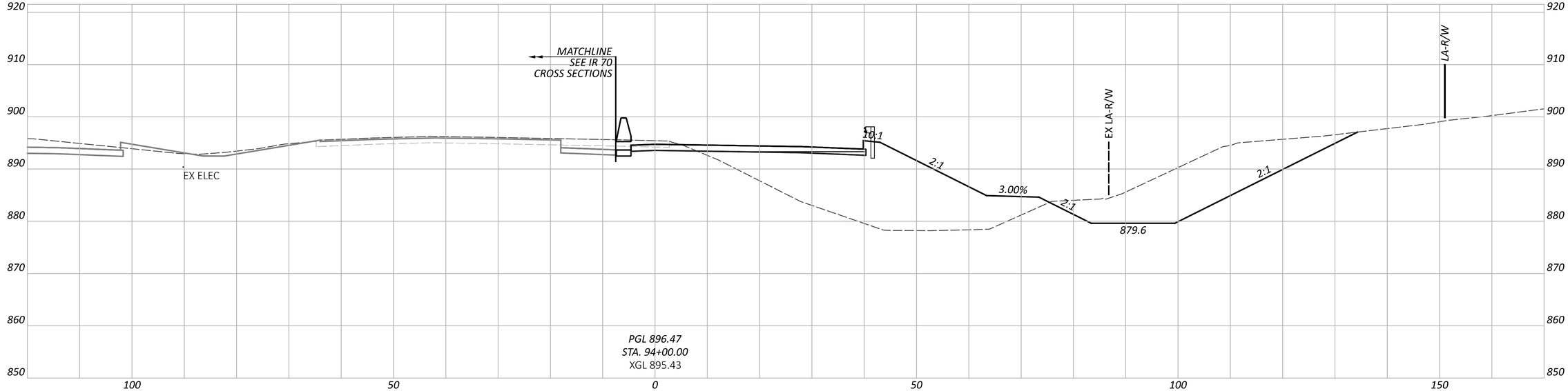
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0843 TOTAL P.1556





CROSS SECTIONS - RAMP K
STA. 94+00.00 TO STA. 94+50.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0844 TOTAL P.1556

CROSS SECTIONS - RAMP K
STA. 95+00.00 TO STA. 95+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 95+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:14 AM USER: brieder
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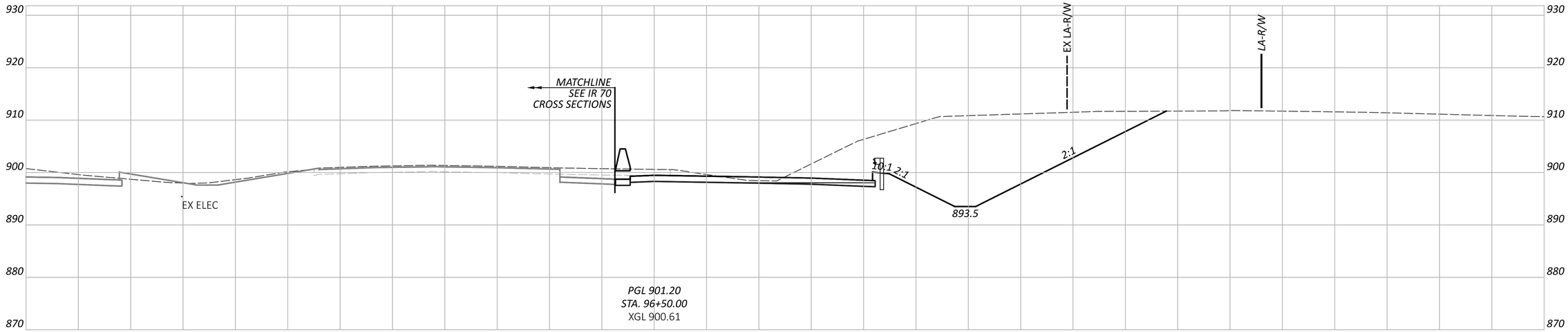
DESIGN AGENCY
STRUCTUREPOINT

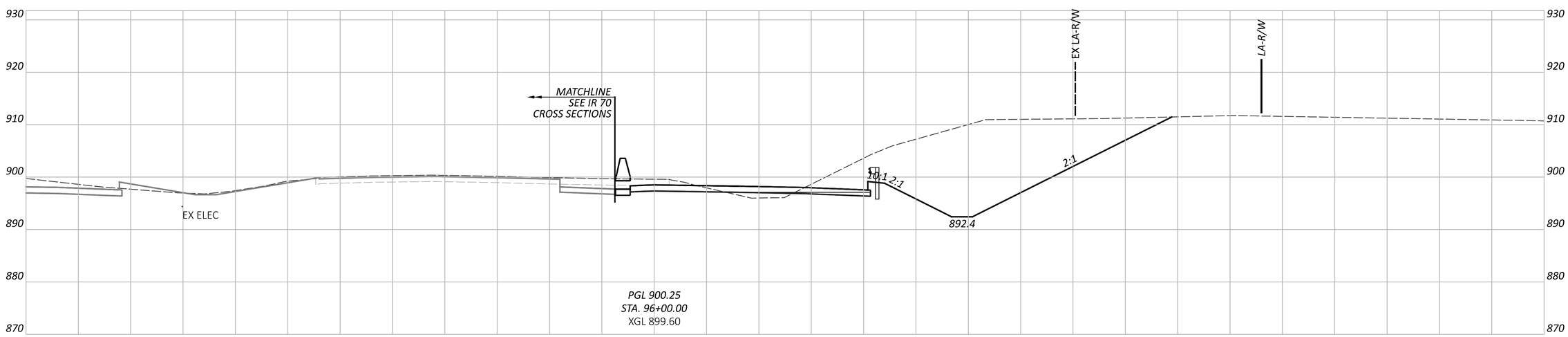
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0845 | TOTAL P.1556





CROSS SECTIONS - RAMP K
STA. 96+00.00 TO STA. 96+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 96+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:18 AM USER: brieder
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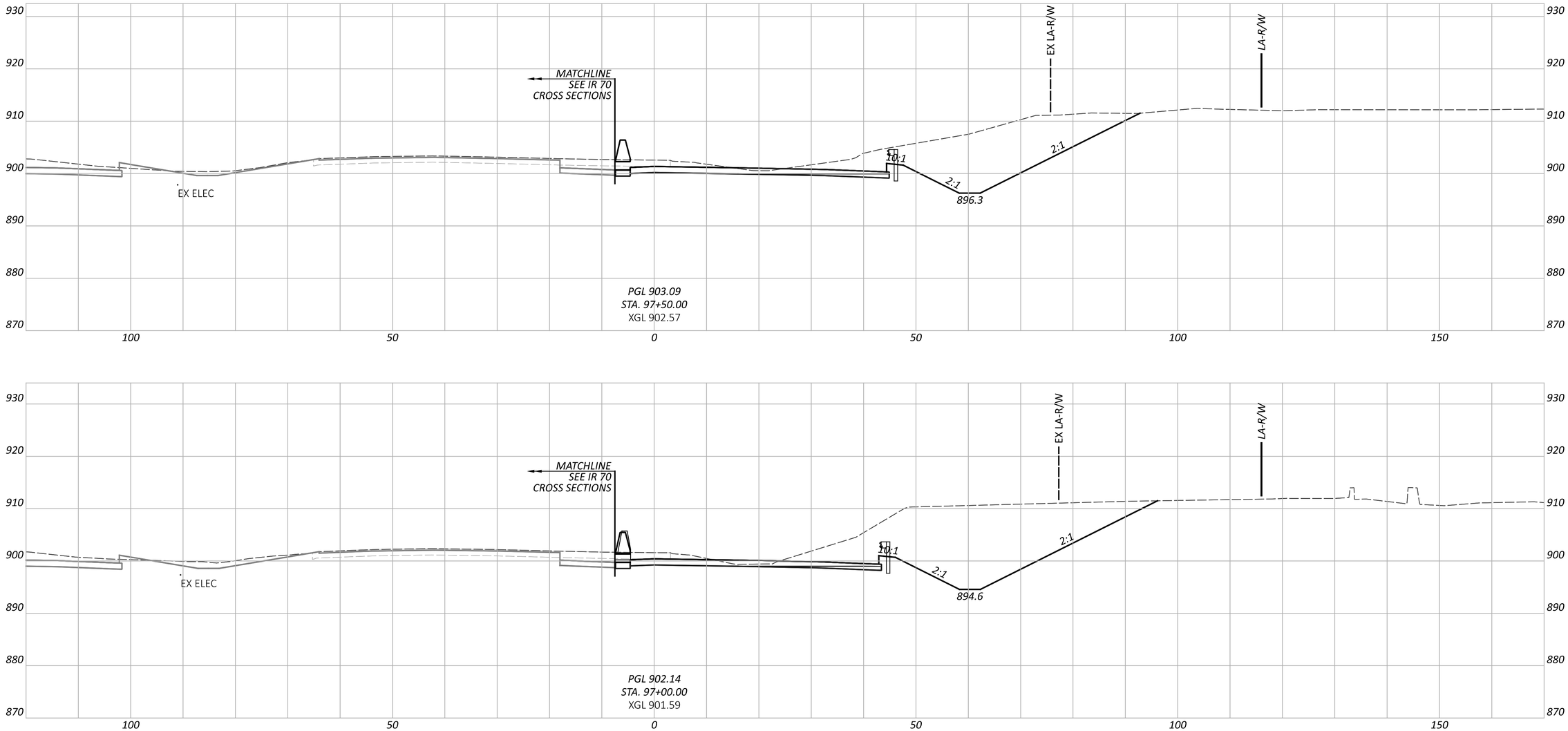
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0846
TOTAL	P.1556



CROSS SECTIONS - RAMP K
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FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OK - 97+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:21 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

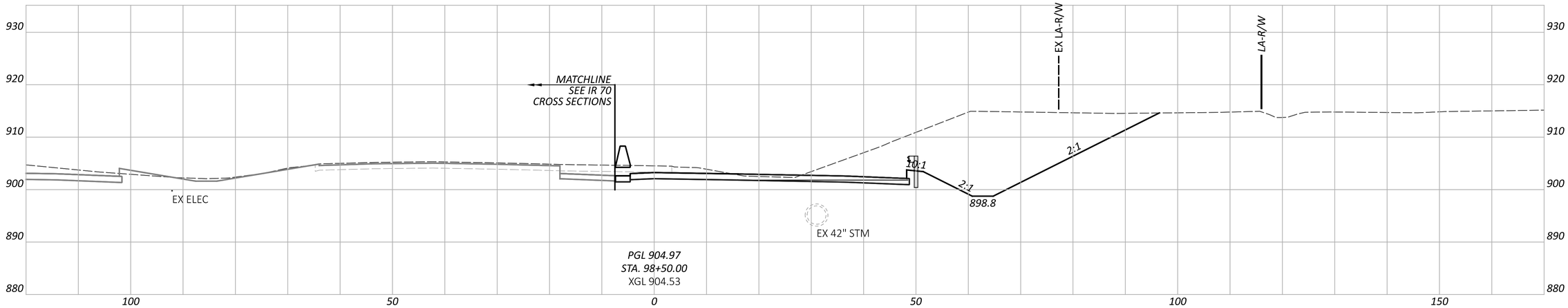
DESIGNER
BER

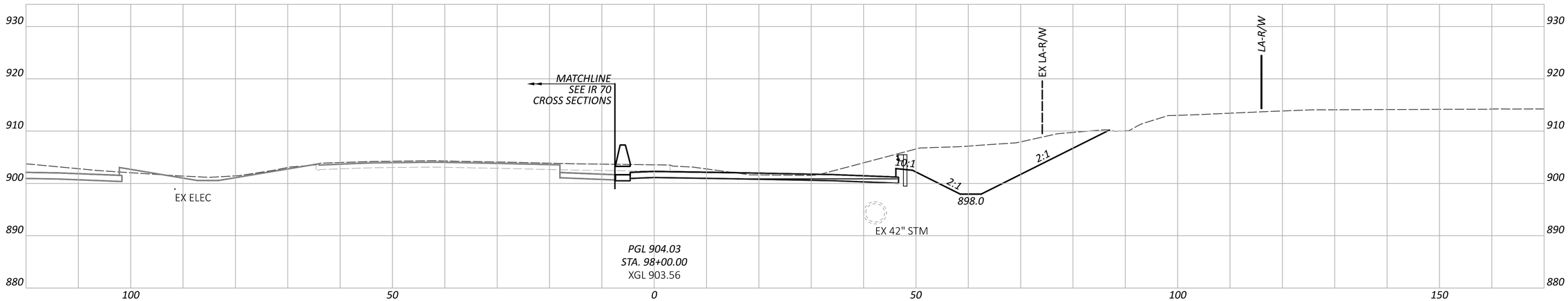
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0847 TOTAL P.1556







CROSS SECTIONS - RAMP K
STA. 98+00.00 TO STA. 99+00.00

FAI/LIC-IR 70-0.00/0.00

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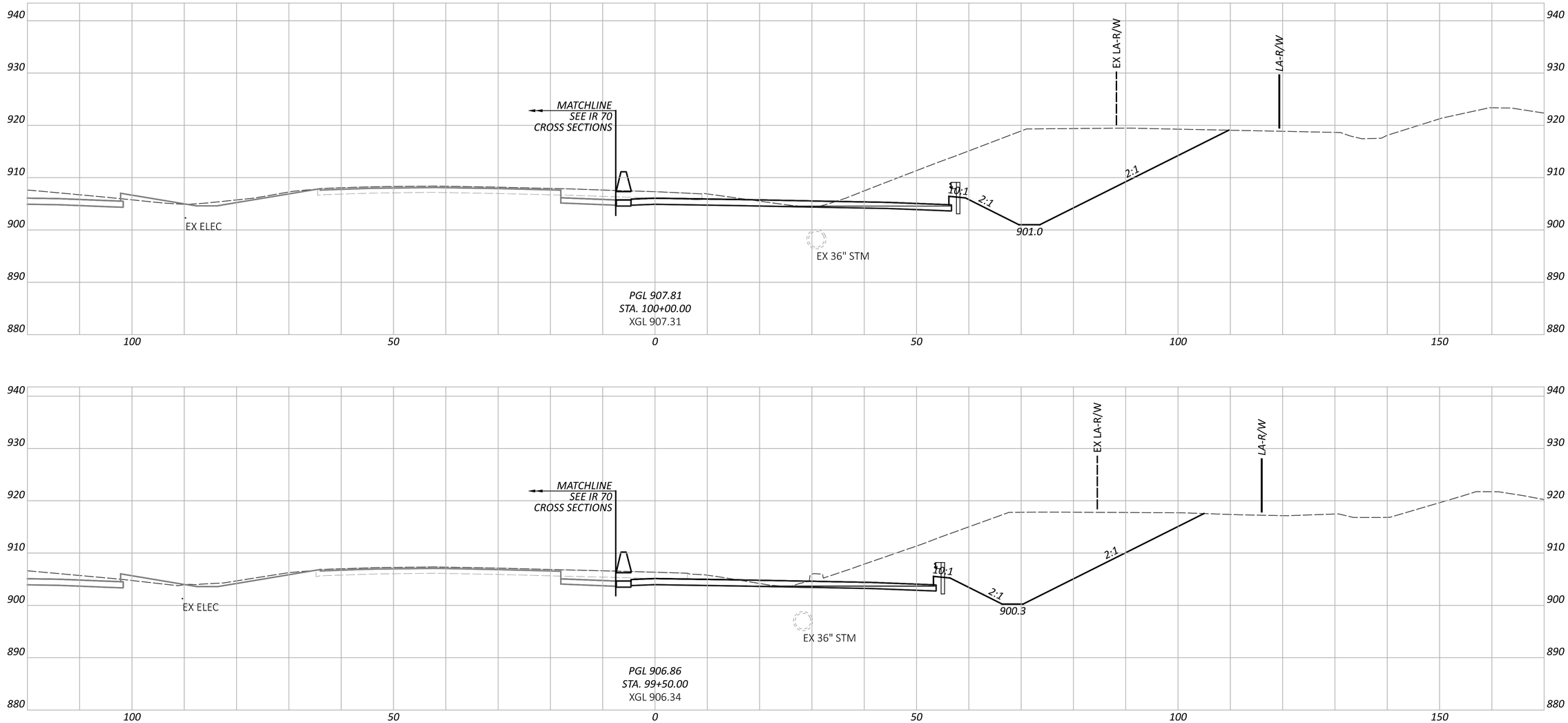
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0848 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 99+50.00 TO STA. 100+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 99+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:28 AM USER: brieder
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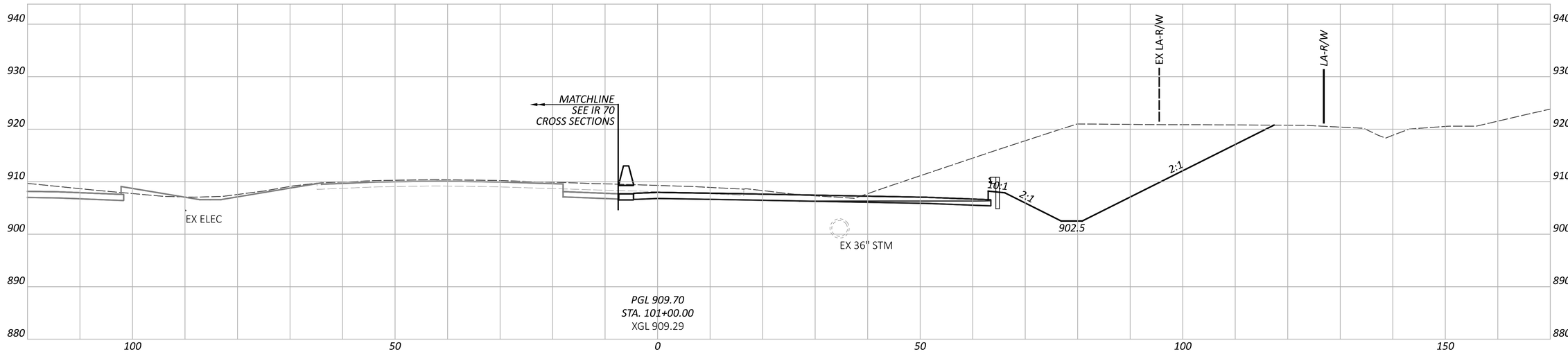
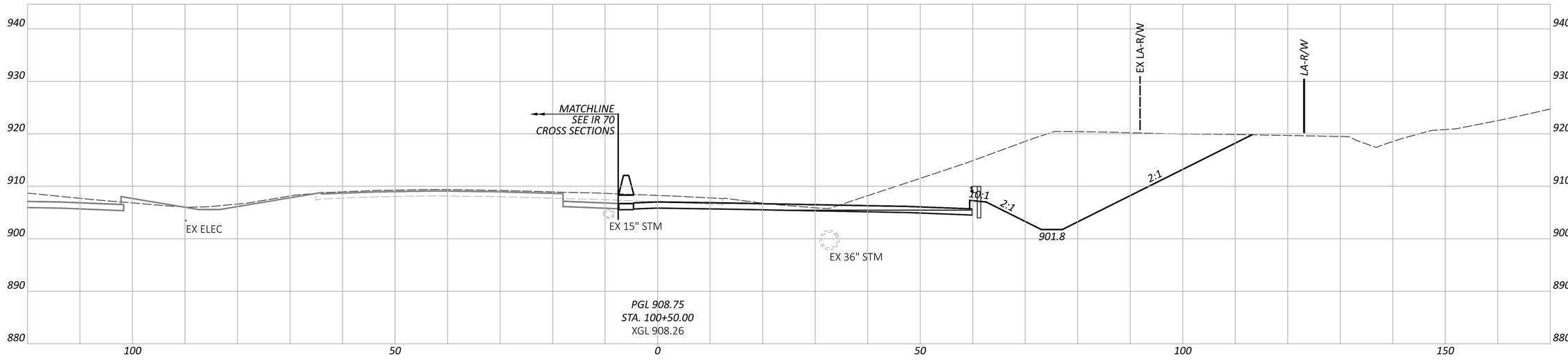
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0849
TOTAL	P.1556





CROSS SECTIONS - RAMP K
STA. 100+50.00 TO STA. 101+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 100+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:32 AM USER: brieder
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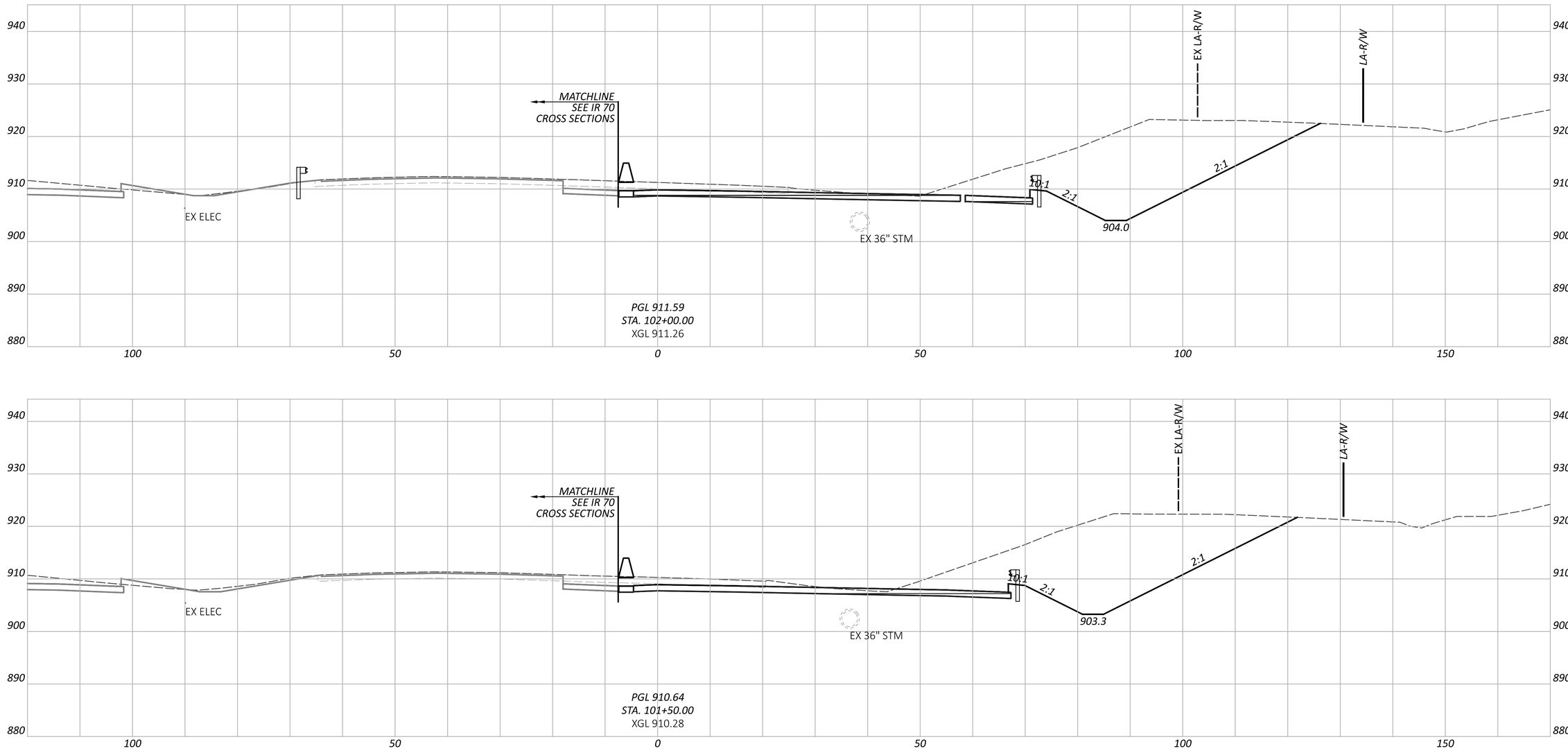
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0850 TOTAL P.1556



CROSS SECTIONS - RAMP K
STA. 101+50.00 TO STA. 102+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070K - 101+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:18:35 AM USER: brieder
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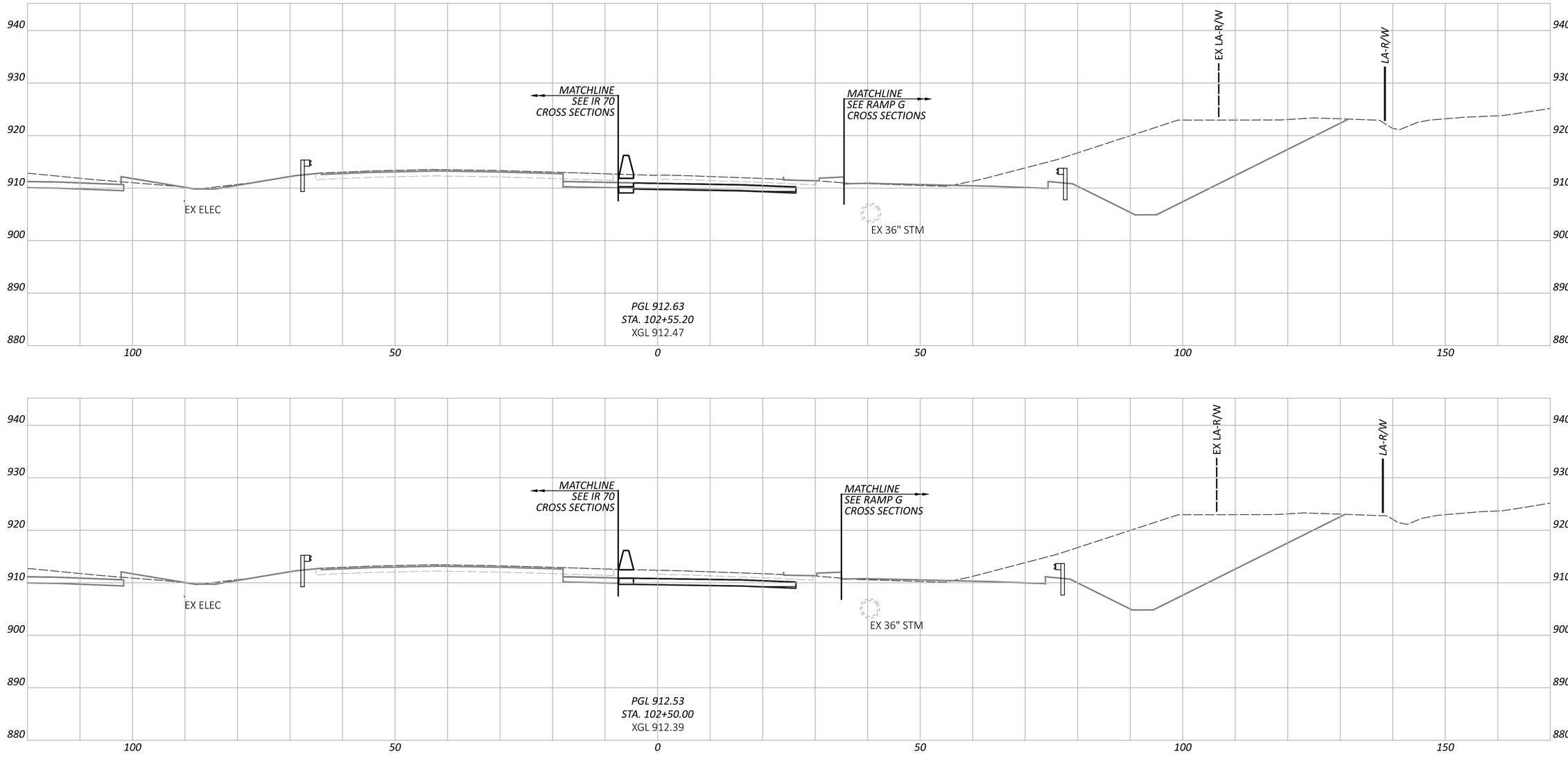
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0851 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - RAMP K
STA. 102+50.00 TO STA. 102+55.20

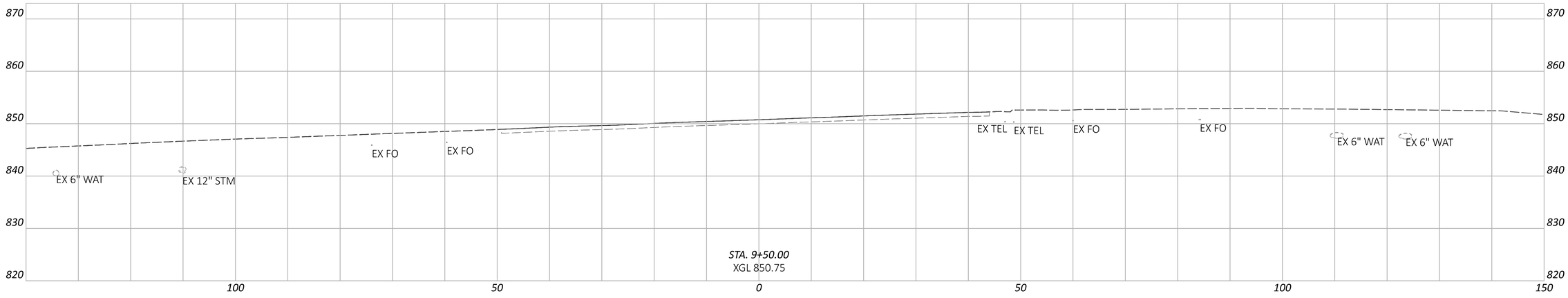
DESIGN AGENCY
STRUCTUREPOINT LLC

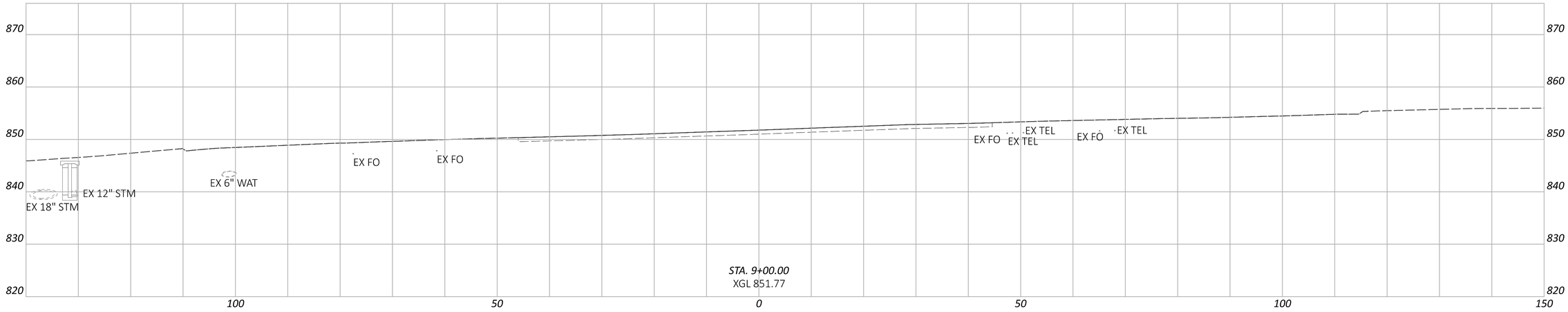
DESIGNER
BER

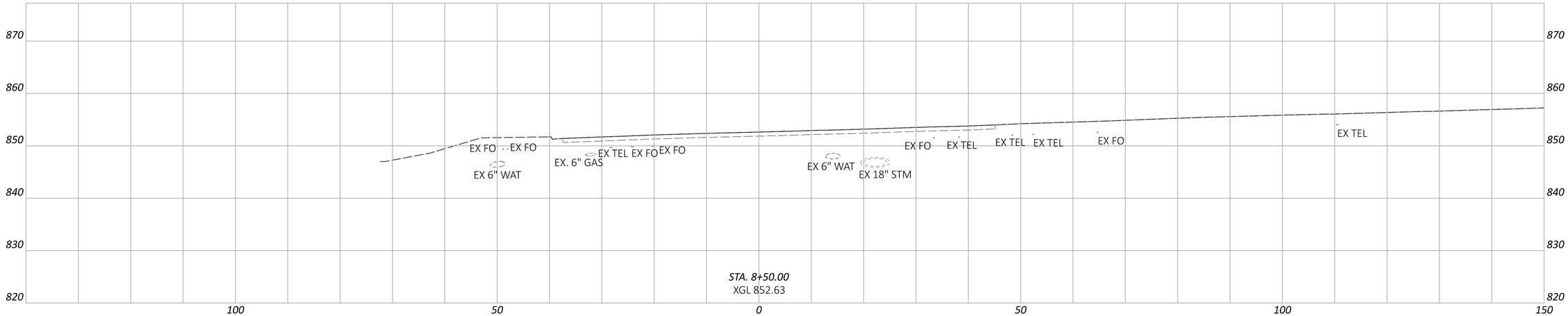
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0852 TOTAL P.1556







CROSS SECTIONS - SR 256
STA. 8+50.00 TO STA. 9+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0853 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - 8+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 9/3/2025 TIME: 8:28:52 AM USER: brieder
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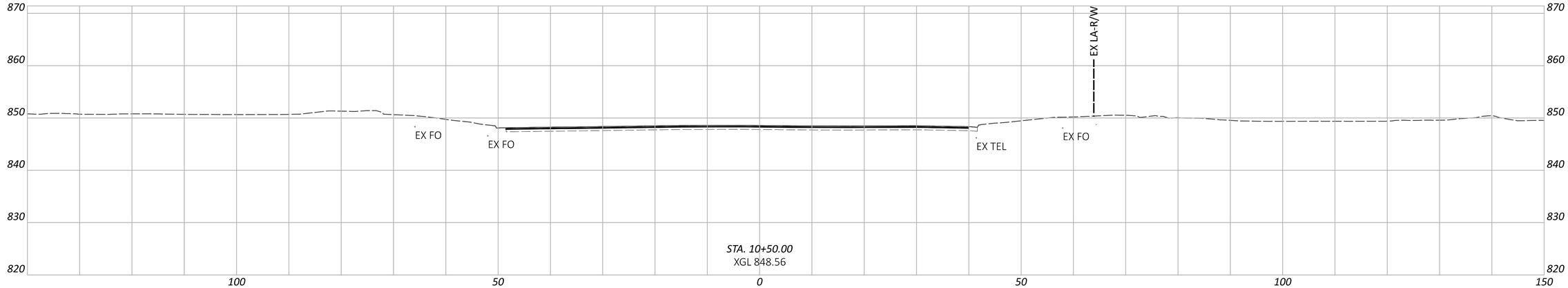
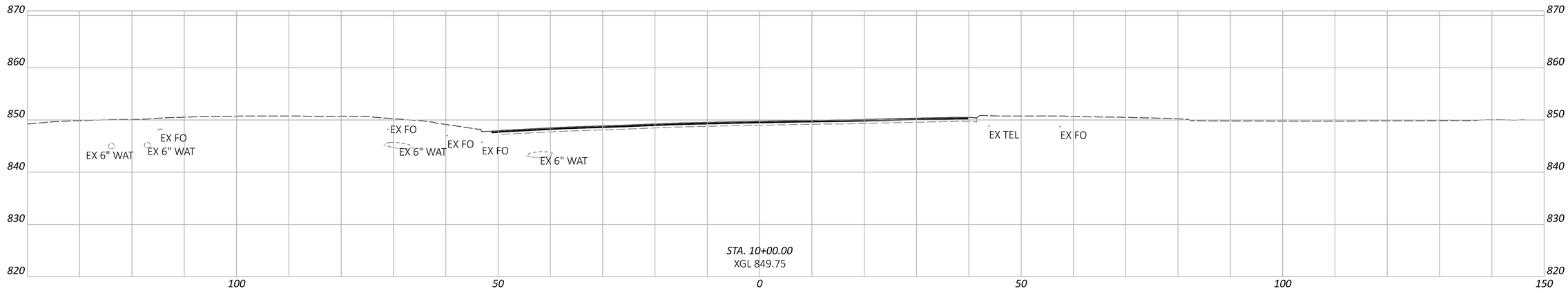
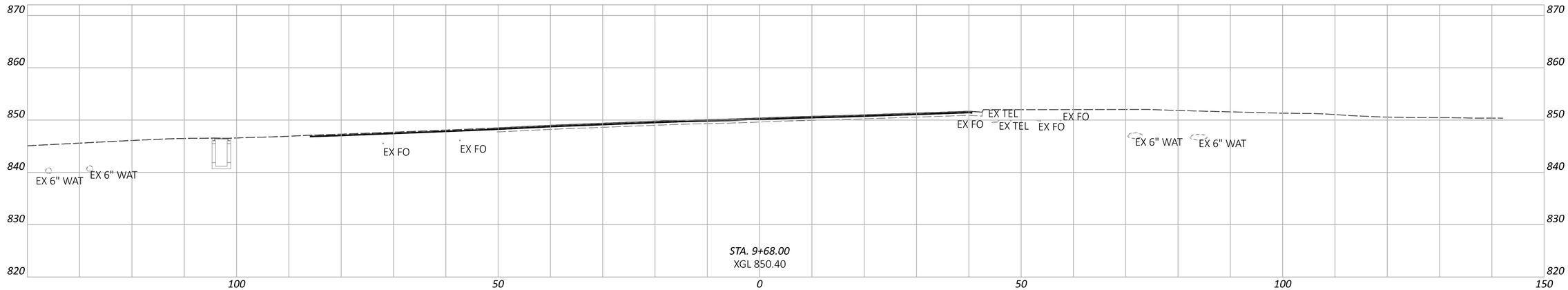






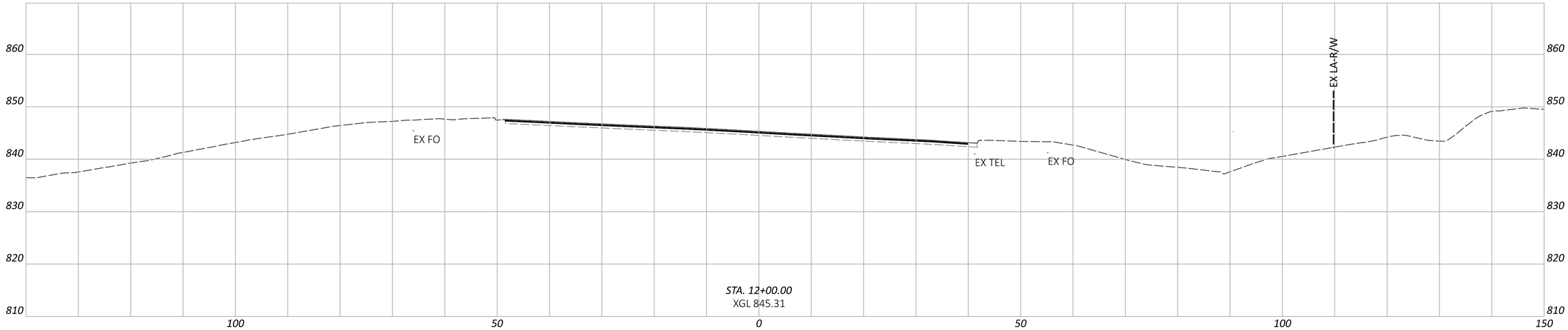
CROSS SECTIONS - SR 256
STA. 9+68.00 TO STA. 10+50.00

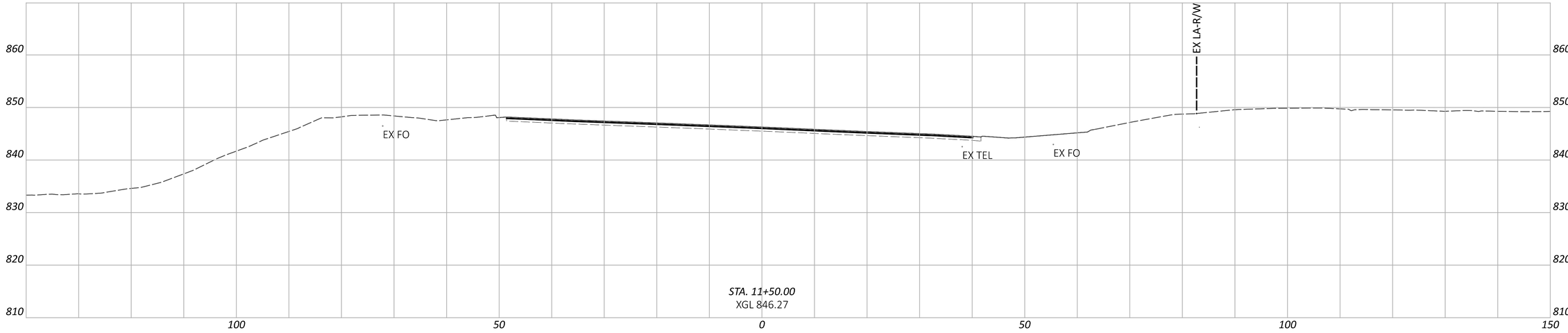
FAI/LIC-IR 70-0.00/0.00

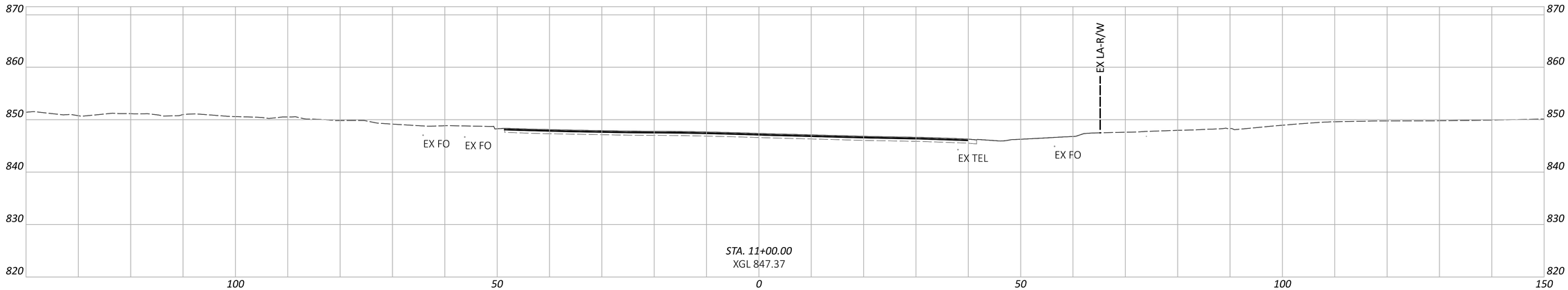
MODEL: CLP_S256 - 9+68.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:29:11 AM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_XS400.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0854
TOTAL	P.1556







CROSS SECTIONS - SR 256
STA. 11+00.00 TO STA 12+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0855 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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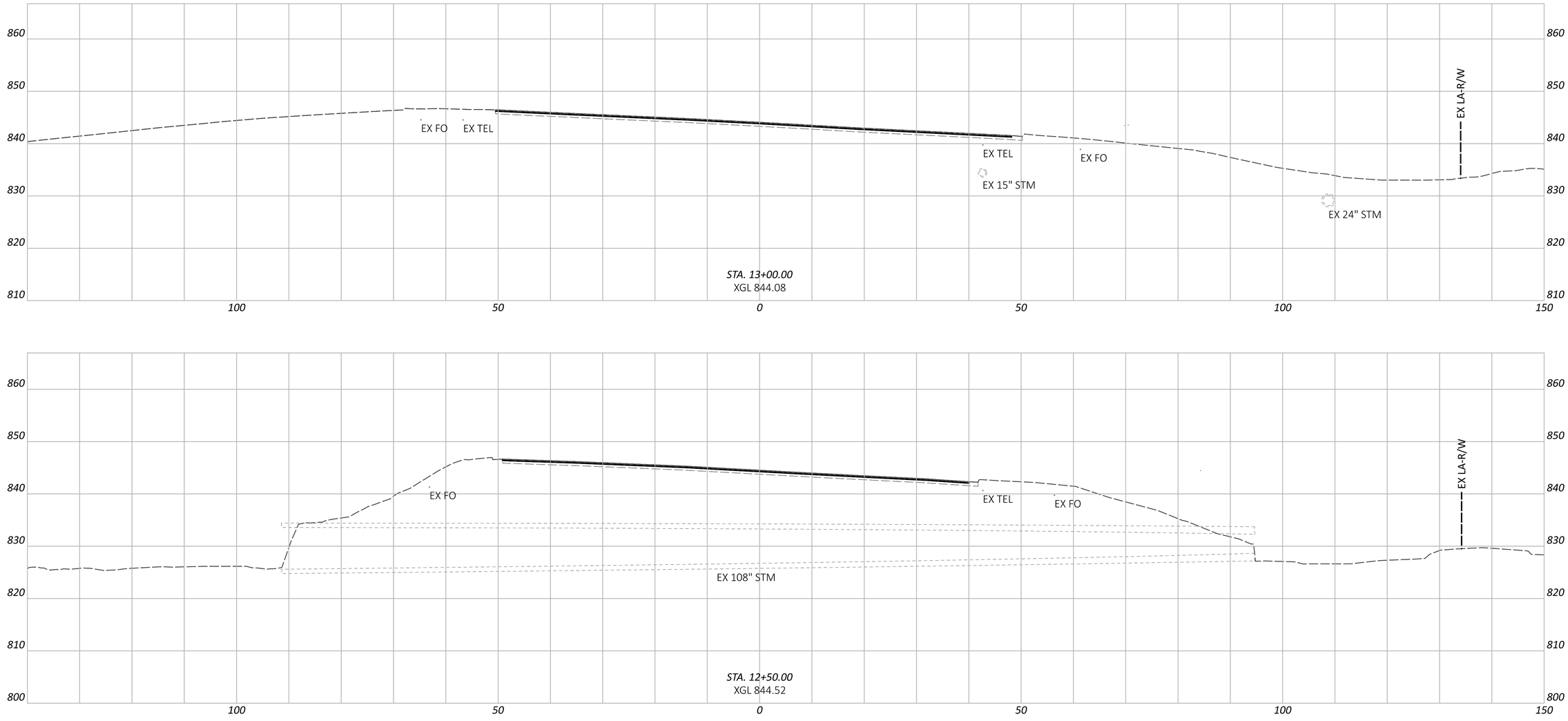

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - SR 256
STA. 12+50.00 TO STA. 13+00.00

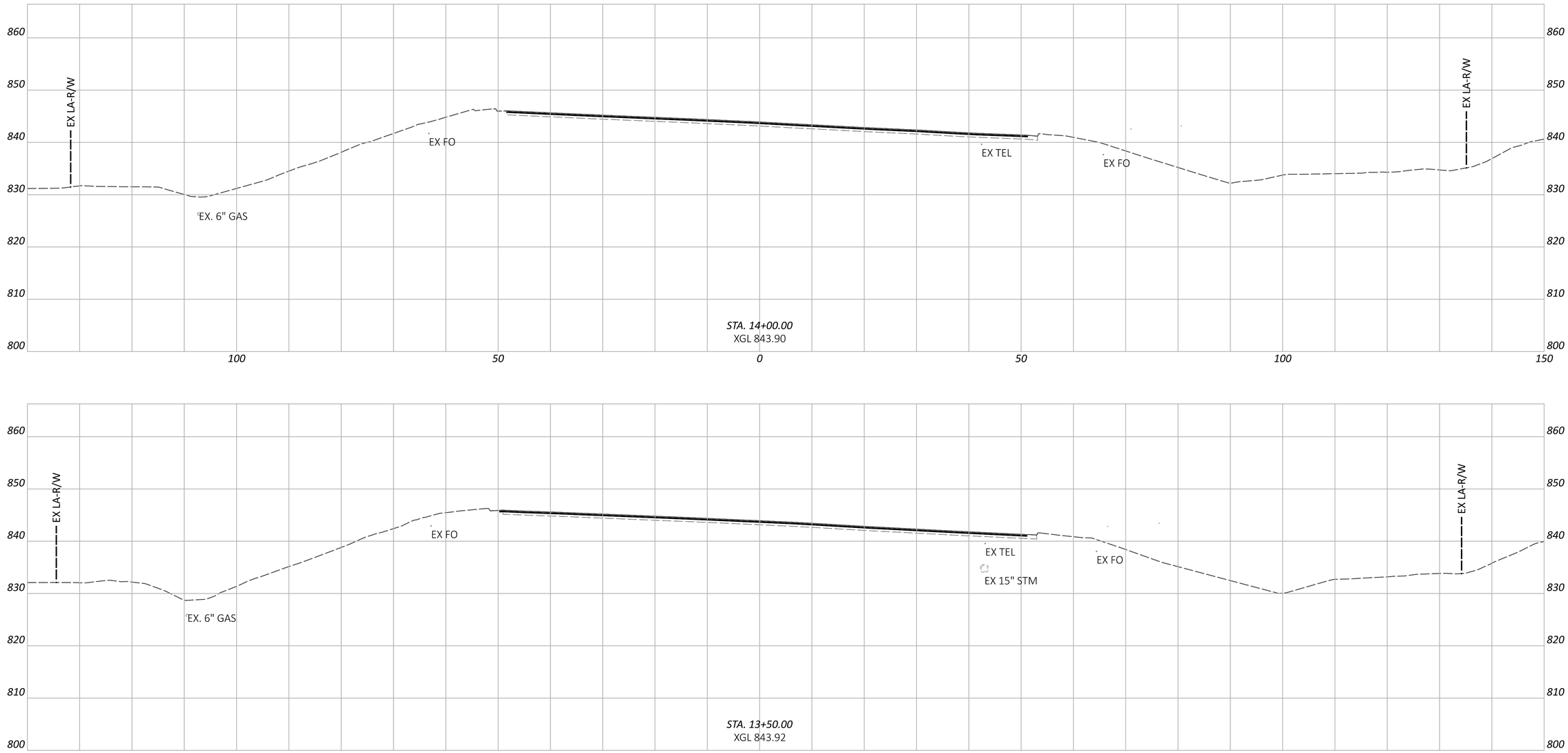
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0856 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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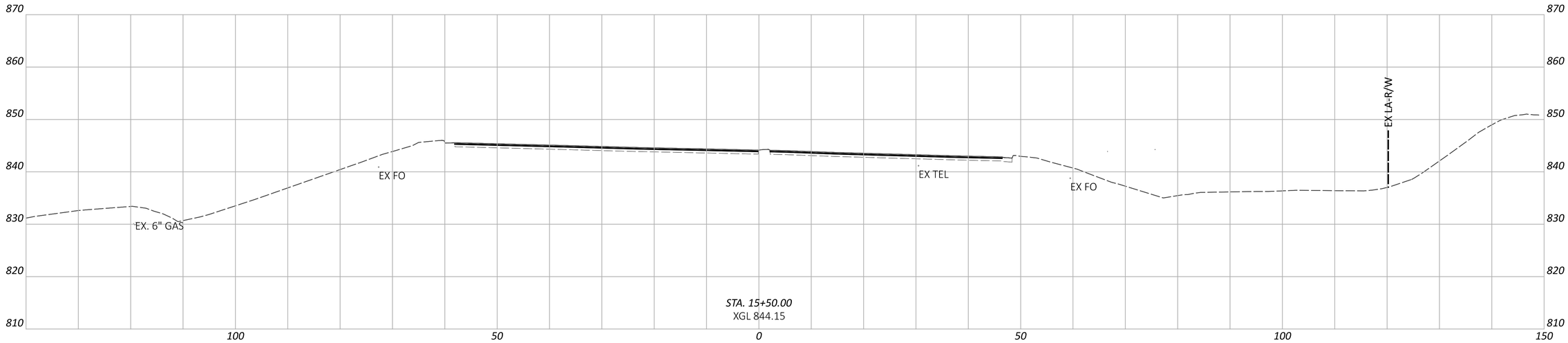
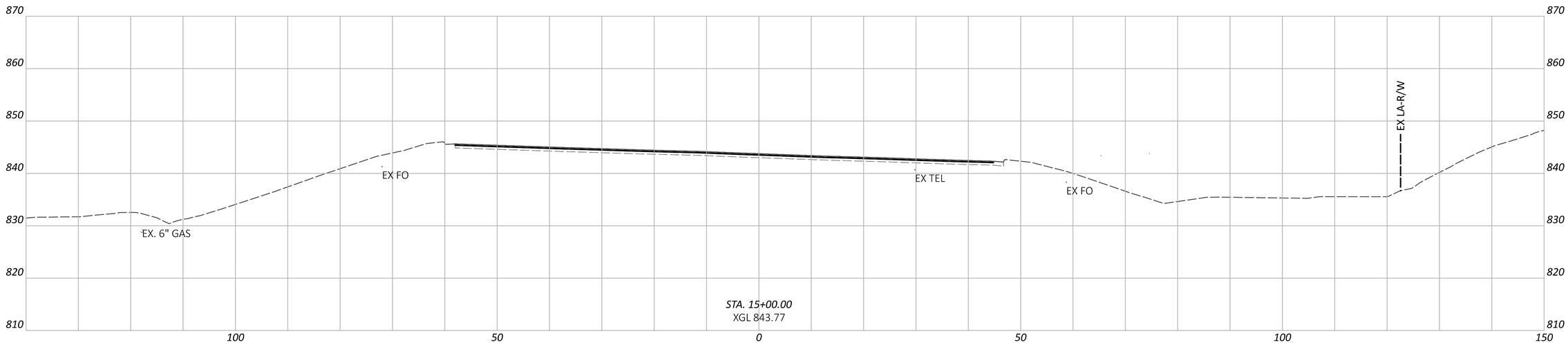
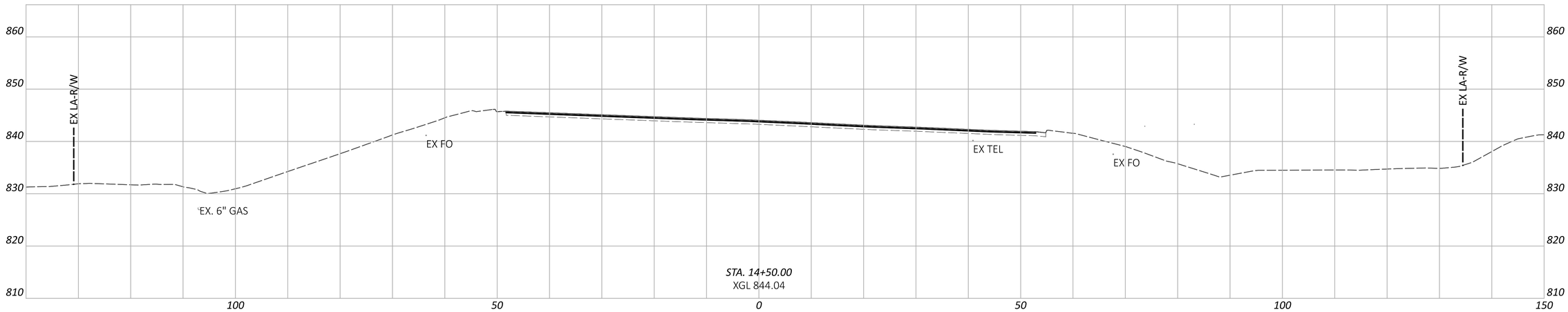
CROSS SECTIONS - SR 256
STA. 13+50.00 TO STA. 14+00.00

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0857
TOTAL	P.1556







CROSS SECTIONS - SR 256
STA. 14+50.00 TO STA. 15+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0858 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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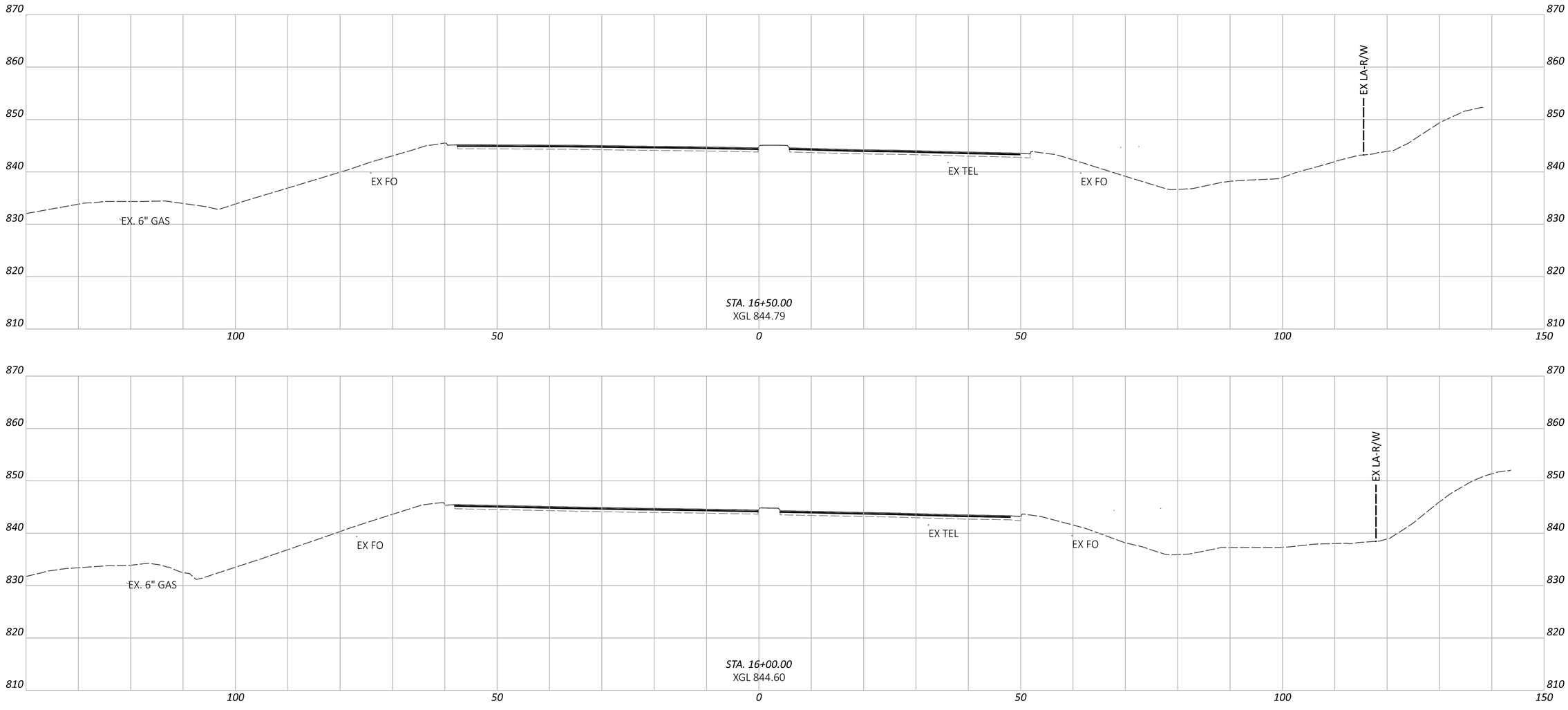

CROSS SECTIONS - SR 256
STA. 16+00.00 TO STA. 16+50.00

FAI/LIC-IR 70-0.00/0.00

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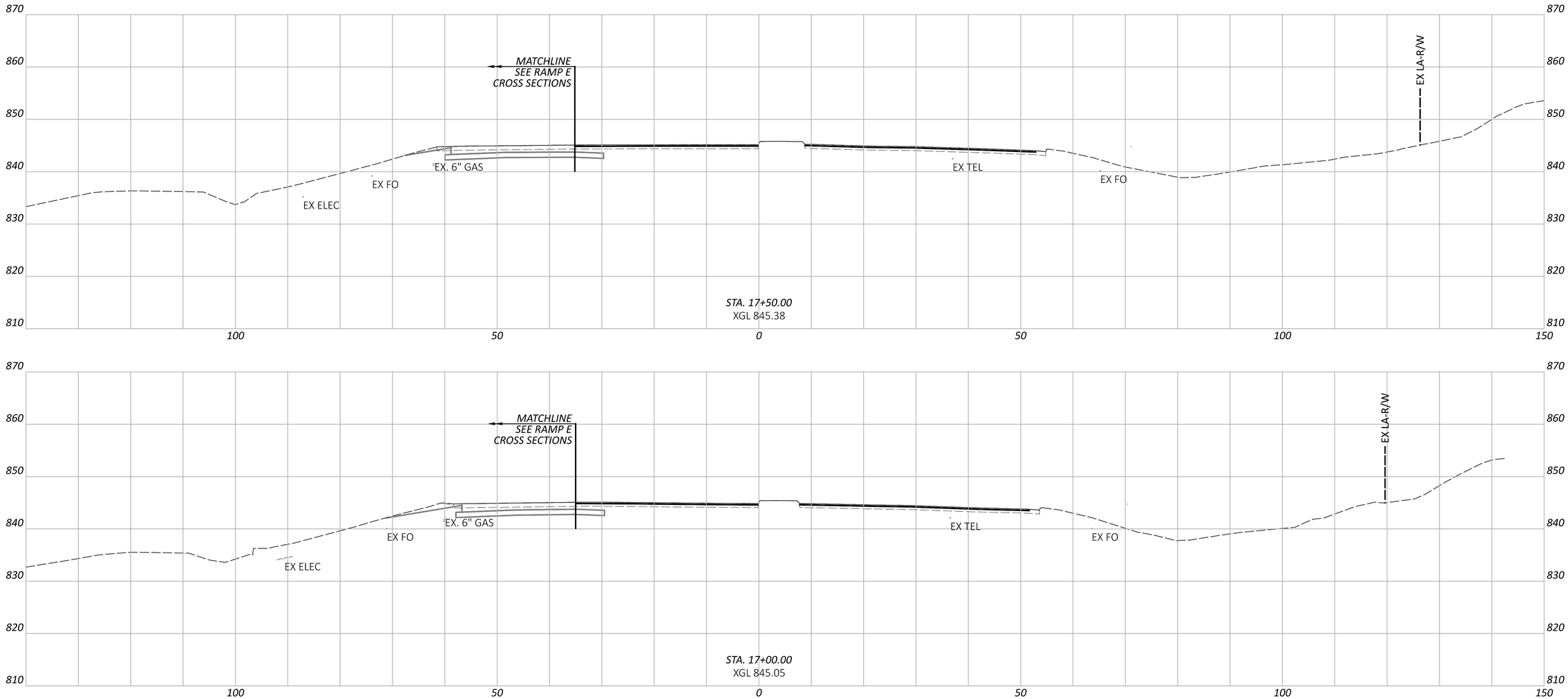
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0859 | TOTAL P.1556



CROSS SECTIONS - SR 256
STA. 17+00.00 TO STA. 17+50.00

FAI/LIC-IR 70-0.00/0.00

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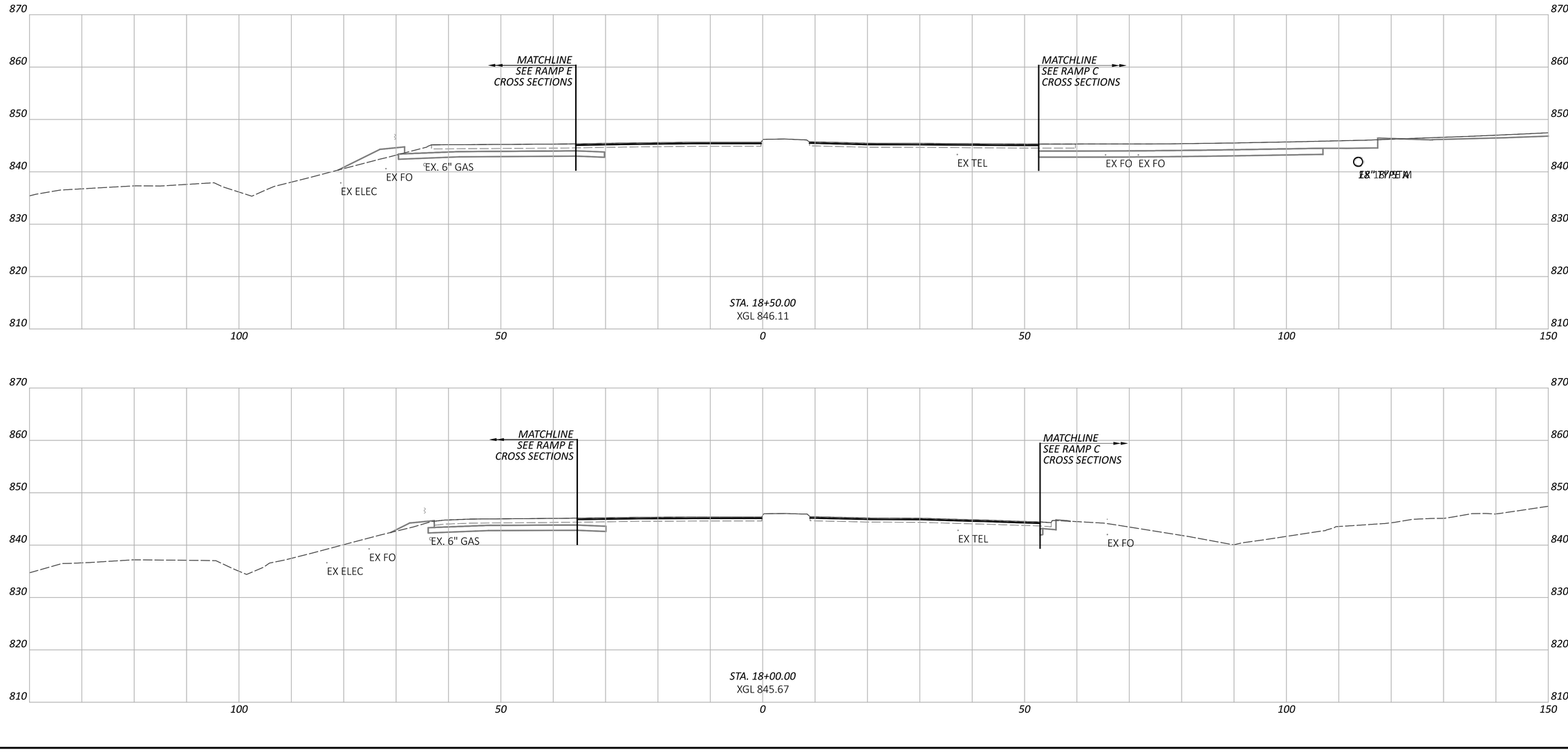
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0860
TOTAL	P.1556



CROSS SECTIONS - SR 256
STA. 18+00.00 TO STA. 18+50.00

FAI/LIC-IR 70-0.00/0.00

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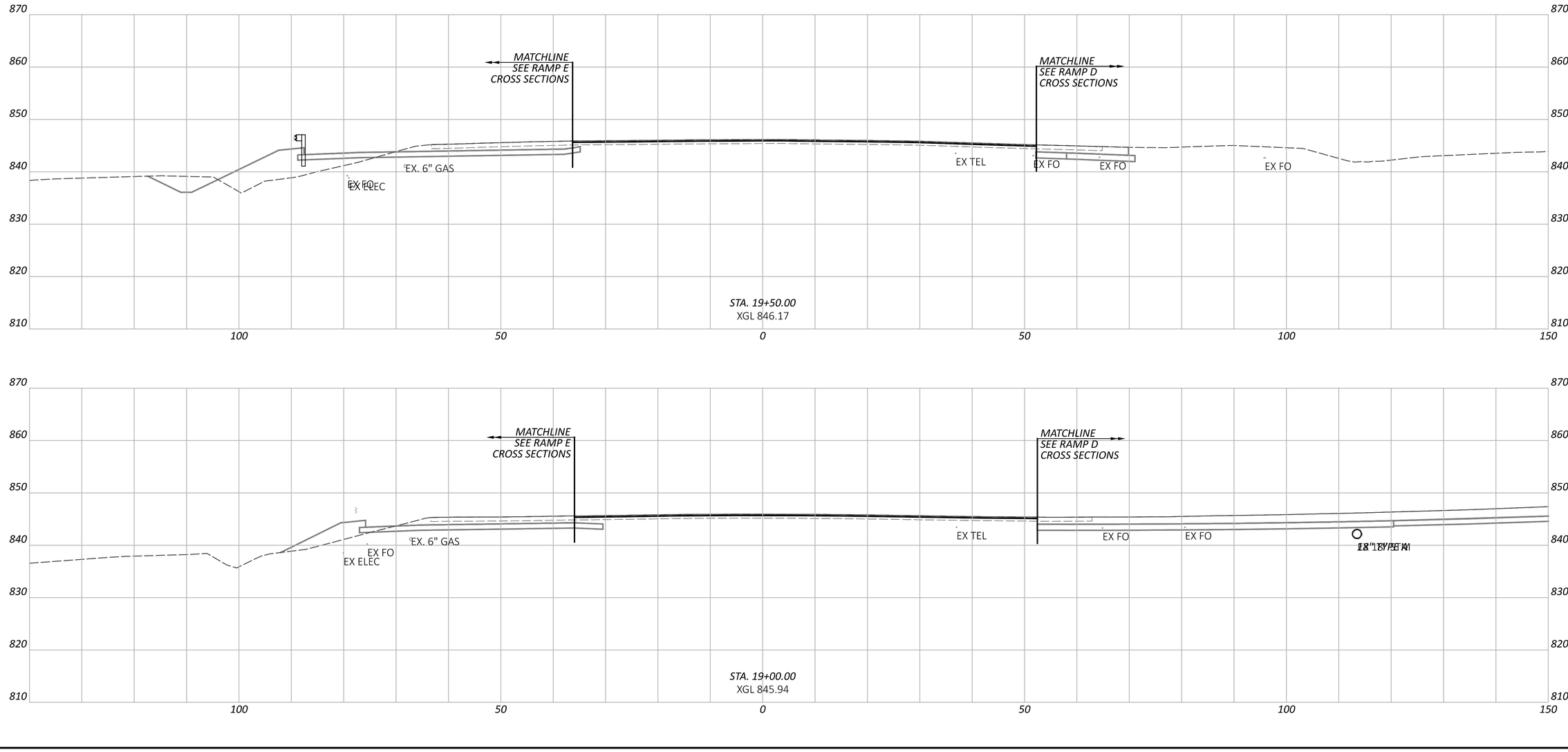
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0861 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - SR 256
STA. 19+00.00 TO STA. 19+50.00

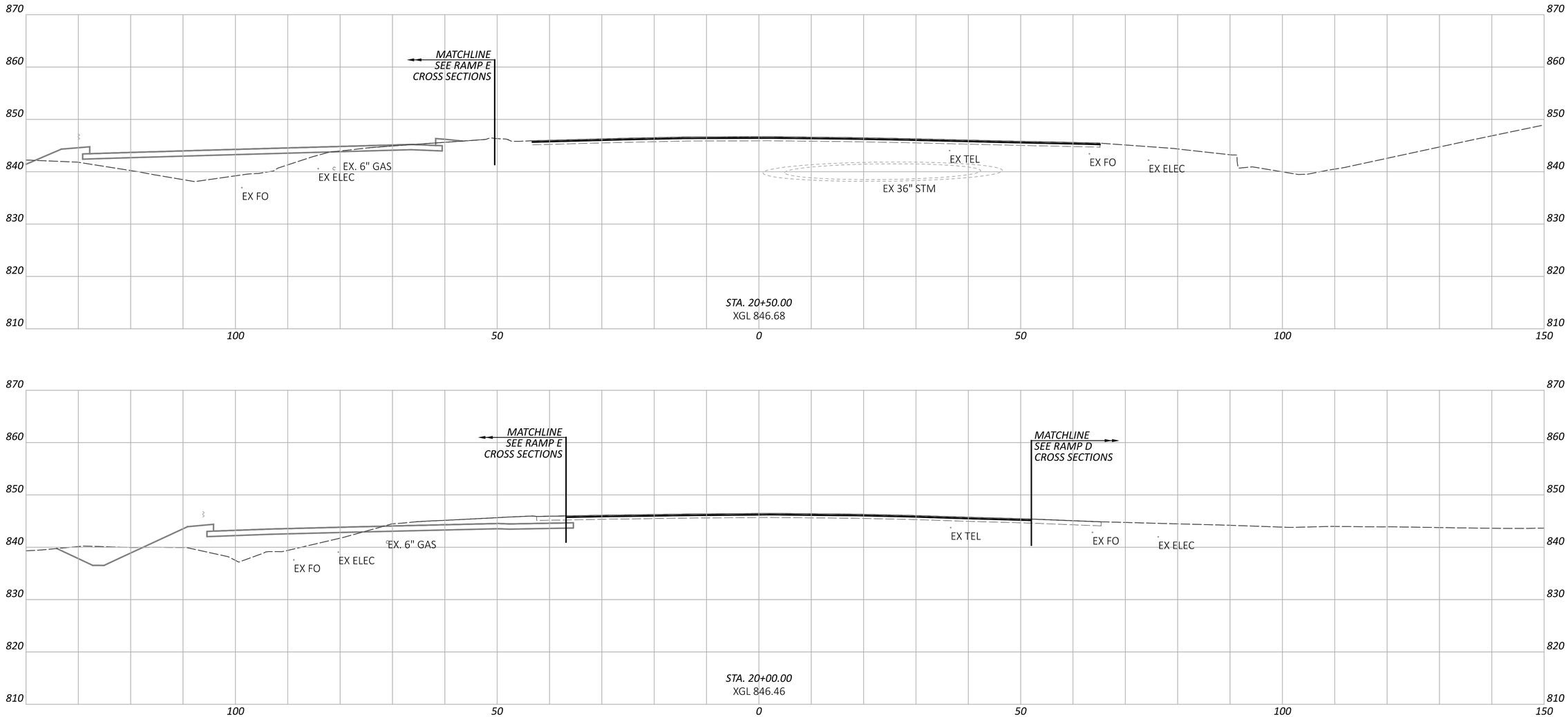
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0862 TOTAL P.1556



CROSS SECTIONS - SR 256
STA. 20+00.00 TO STA. 20+50.00

FAI/LIC-IR 70-0.00/0.00

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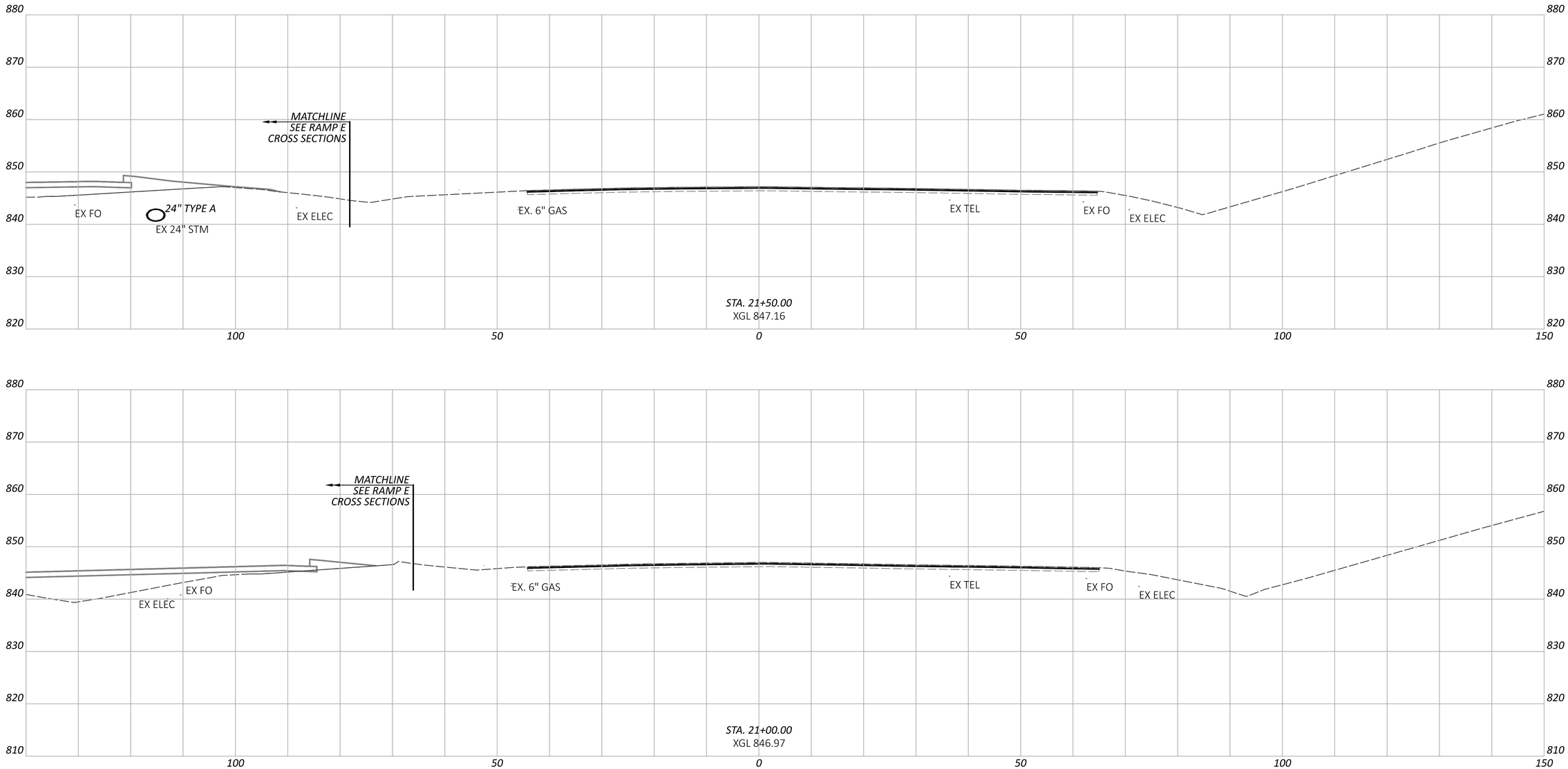
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0863
TOTAL	P.1556



CROSS SECTIONS - SR 256
STA. 21+00.00 TO STA. 21+50.00

FAI/LIC-IR 70-0.00/0.00

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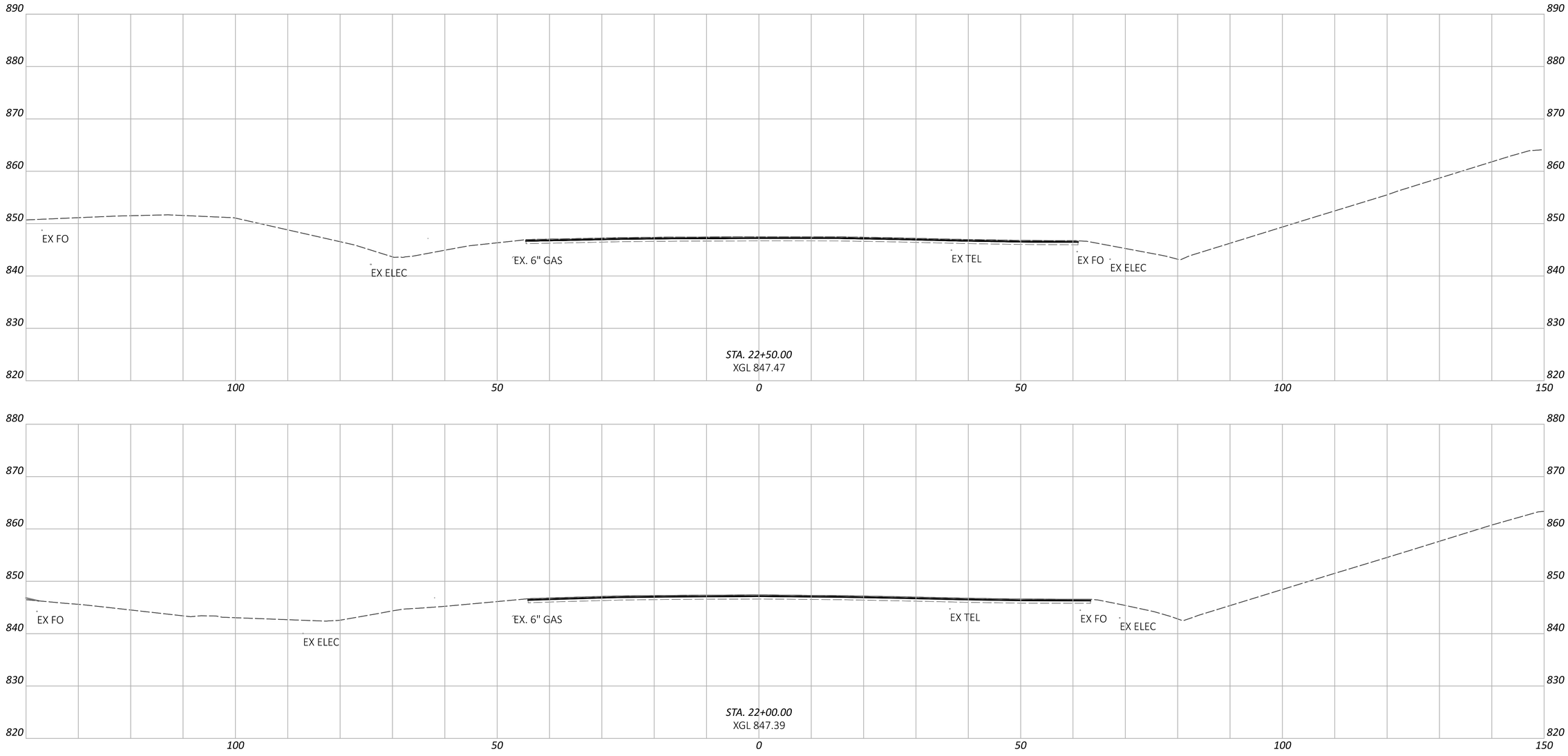
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0864 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - SR 256
STA. 22+00.00 TO STA. 22+50.00

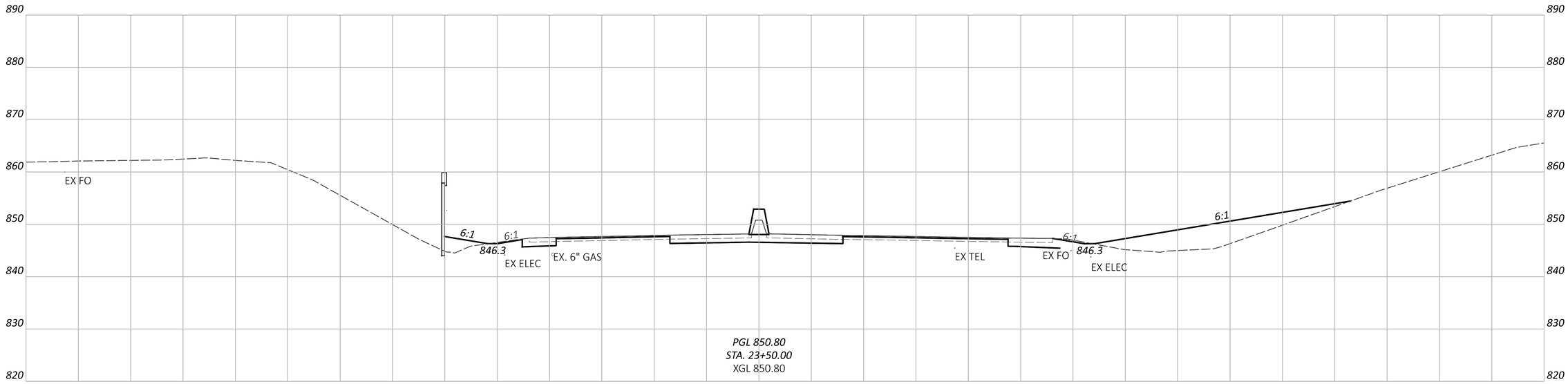
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

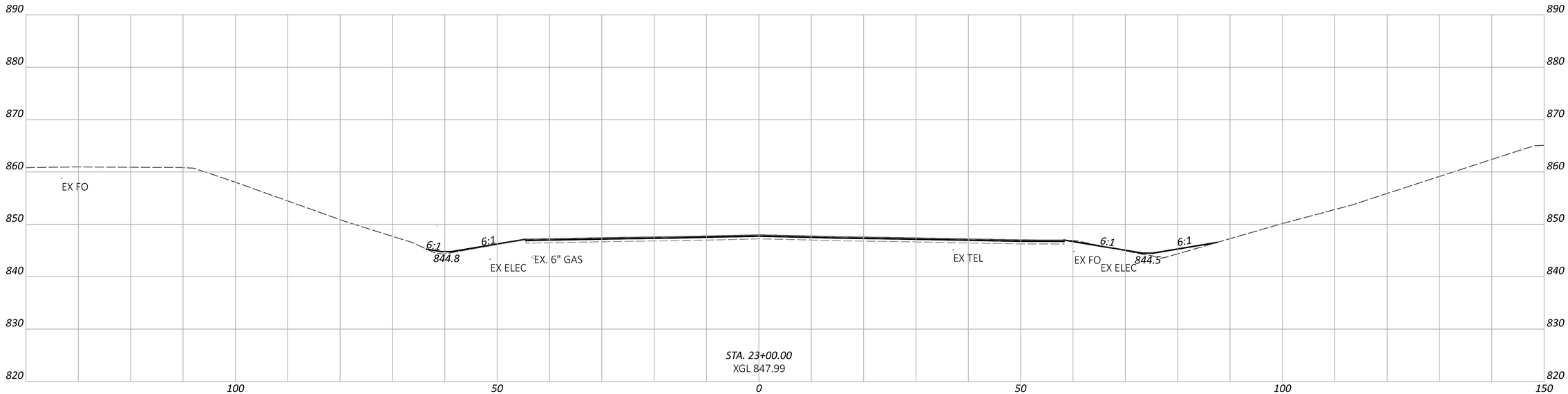
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0865 TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - SR 256
STA. 23+00.00 TO STA. 23+50.00

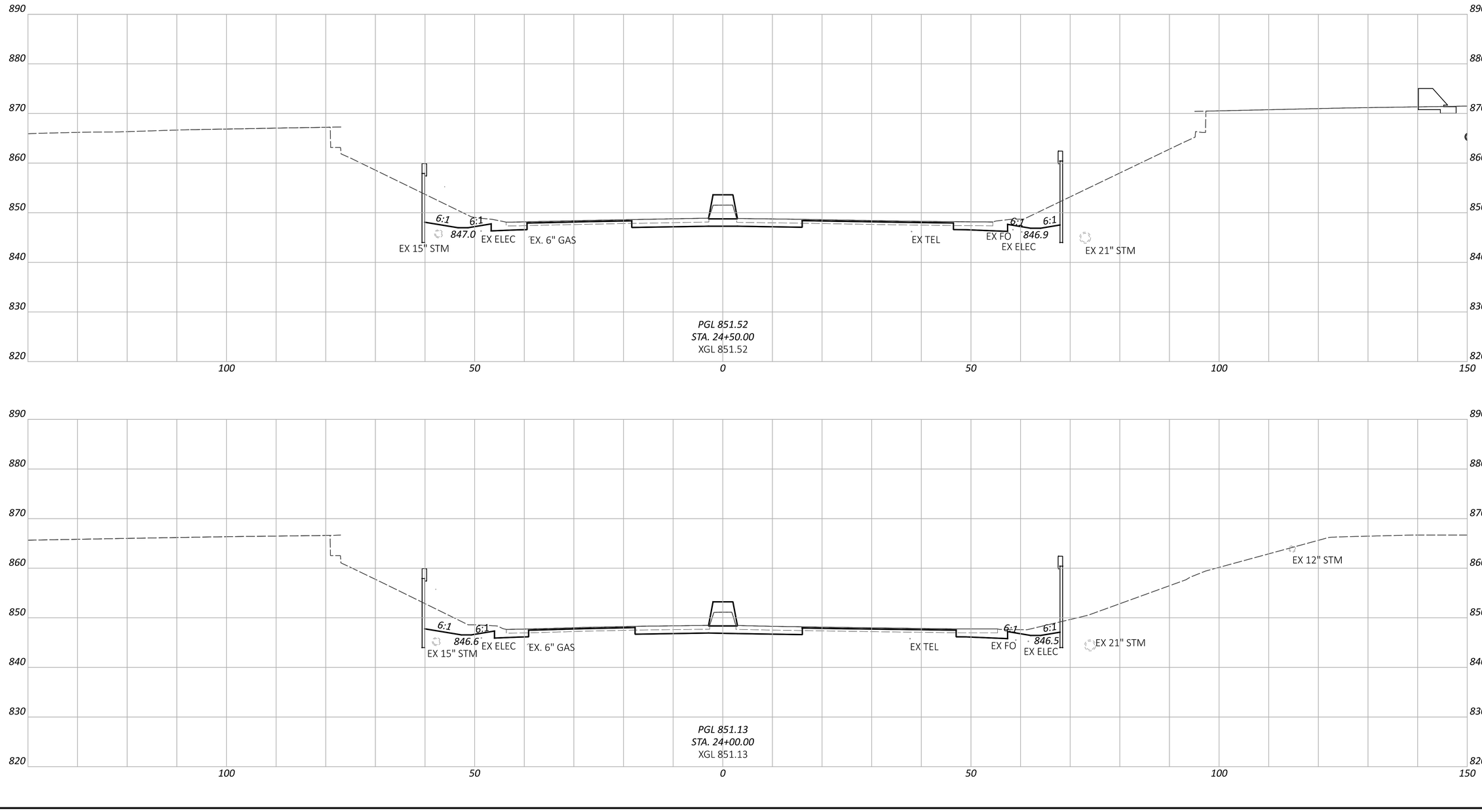
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0866 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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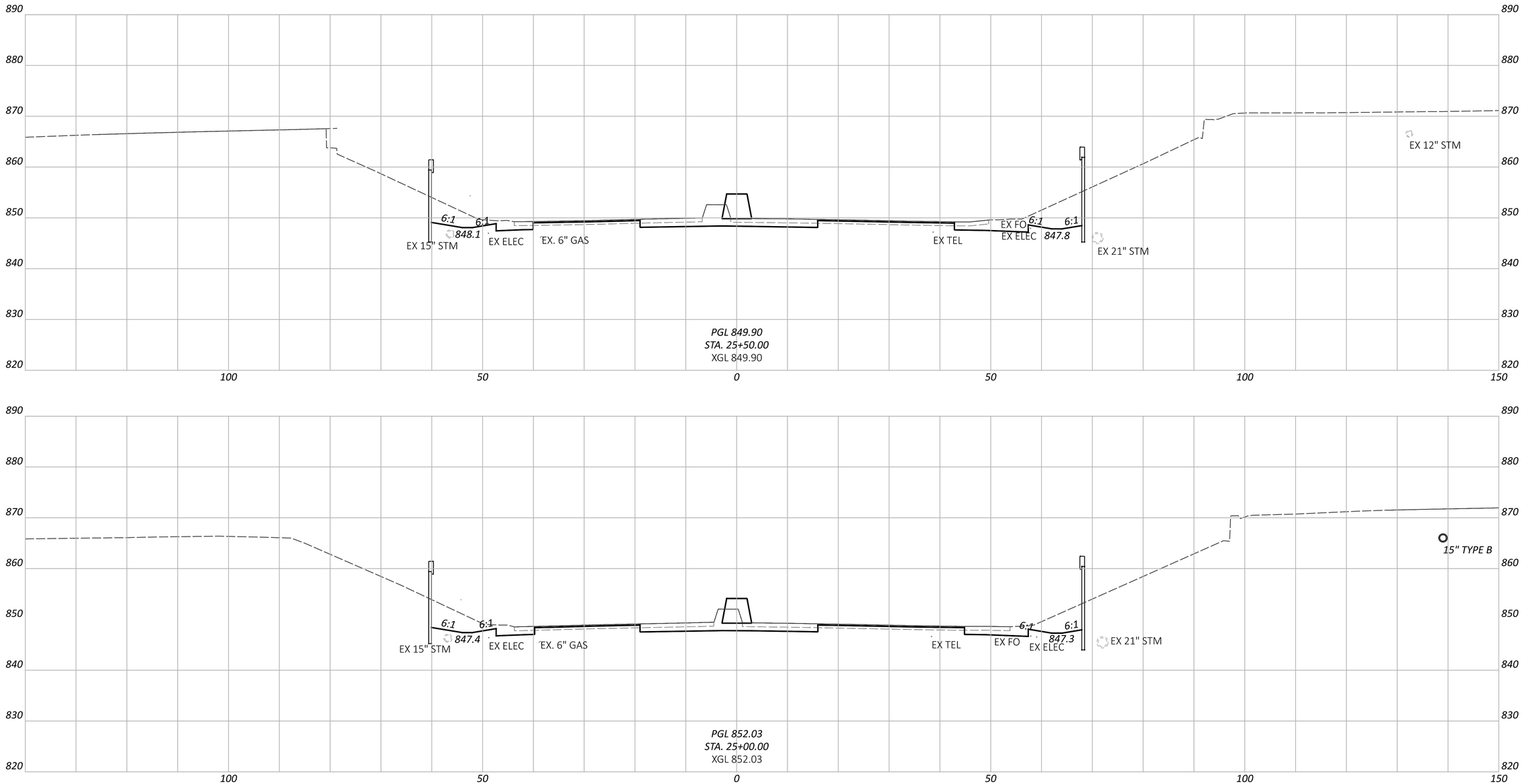
CROSS SECTIONS - SR 256
STA. 24+00.00 TO STA. 24+50.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0867
TOTAL	P.1556



CROSS SECTIONS - SR 256
STA. 25+00.00 TO STA. 25+50.00

FAI/LIC-IR 70-0.00/0.00

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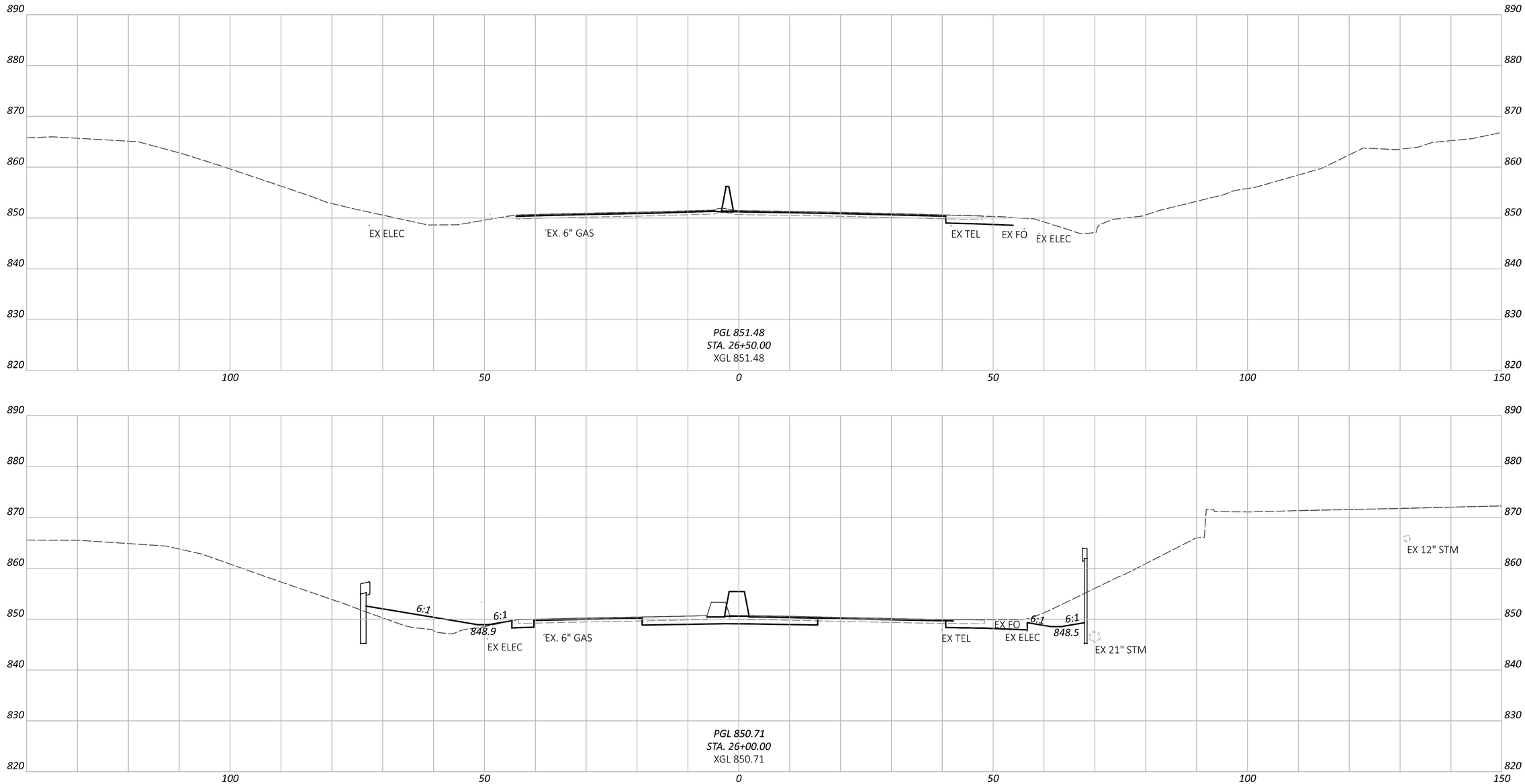
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0868 | TOTAL P.1556



CROSS SECTIONS - SR 256
STA. 26+00.00 TO STA. 26+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - 26+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:30:44 AM USER: brieder
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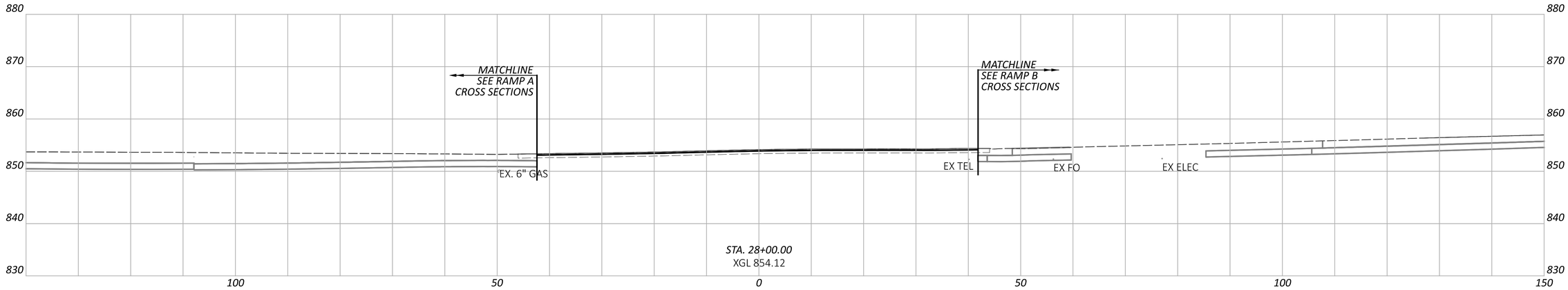
DESIGN AGENCY
STRUCTUREPOINT INC.

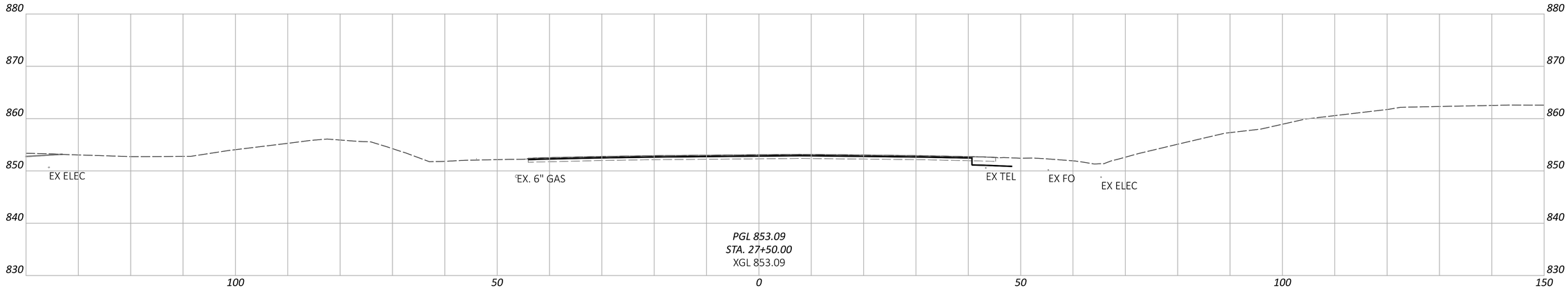
DESIGNER
BER

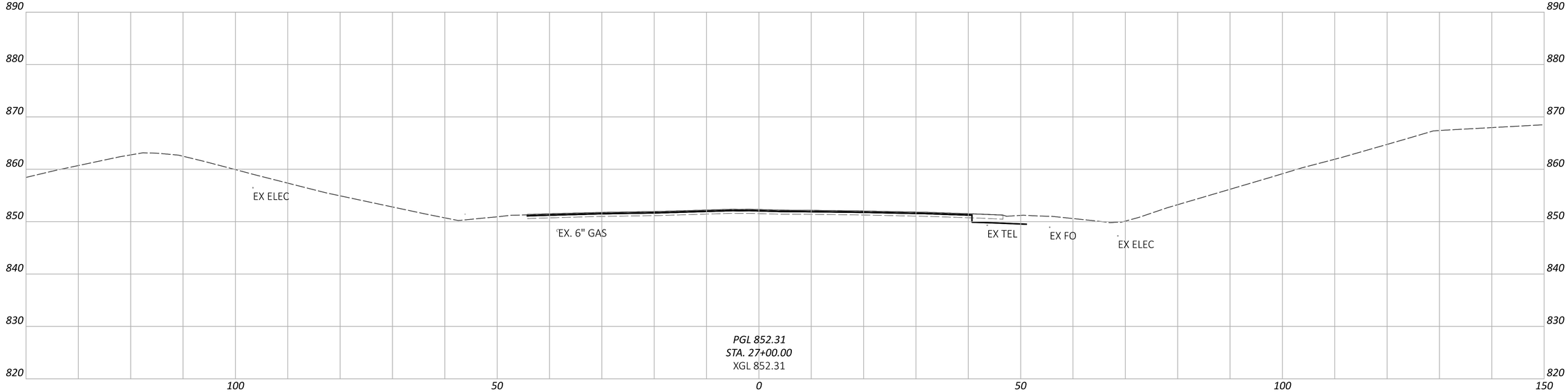
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0869 TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - SR 256
STA. 27+00.00 TO STA. 28+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0870
TOTAL	P.1556

CROSS SECTIONS - SR 256
STA. 28+50.00 TO STA. 29+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - 28+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:30:56 AM USER: brieder
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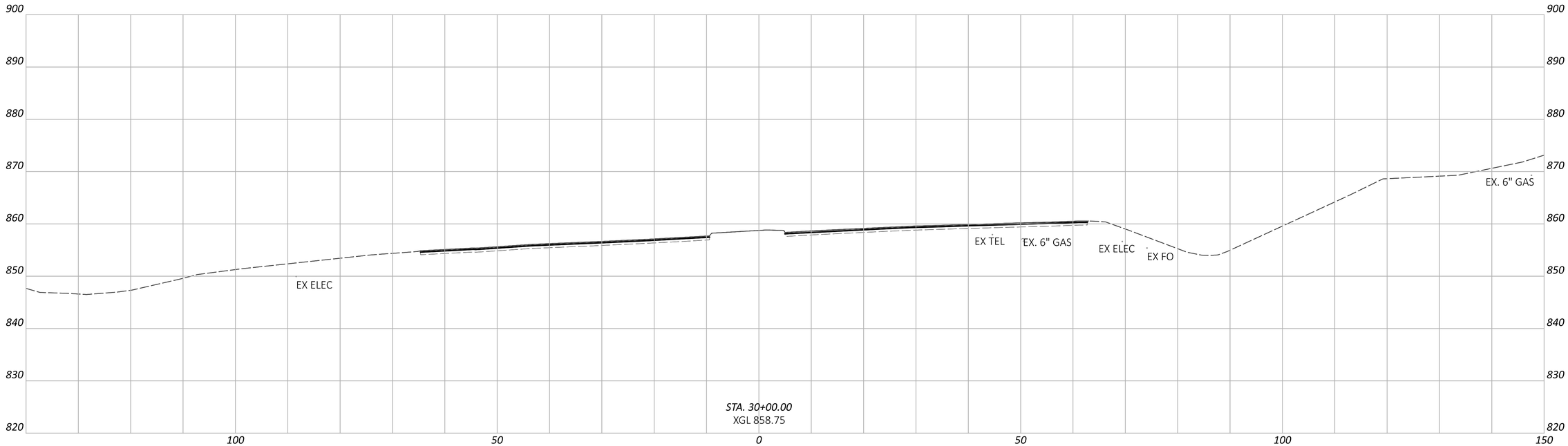
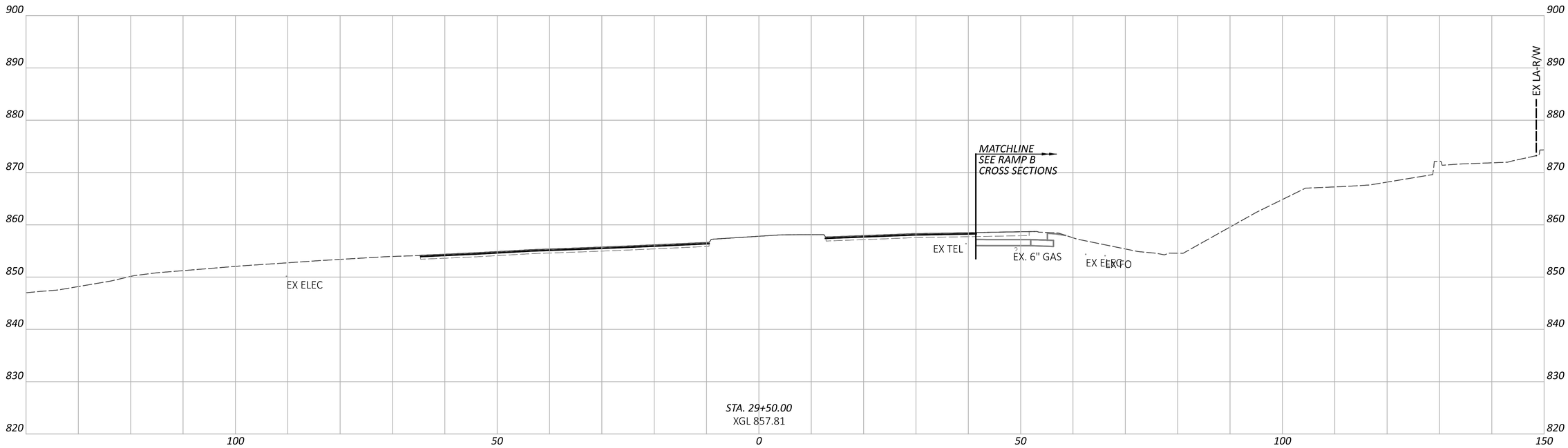
DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0871
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - 29+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:31:02 AM USER: brieder
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CROSS SECTIONS - SR 256
STA. 29+50.00 TO STA. 30+00.00

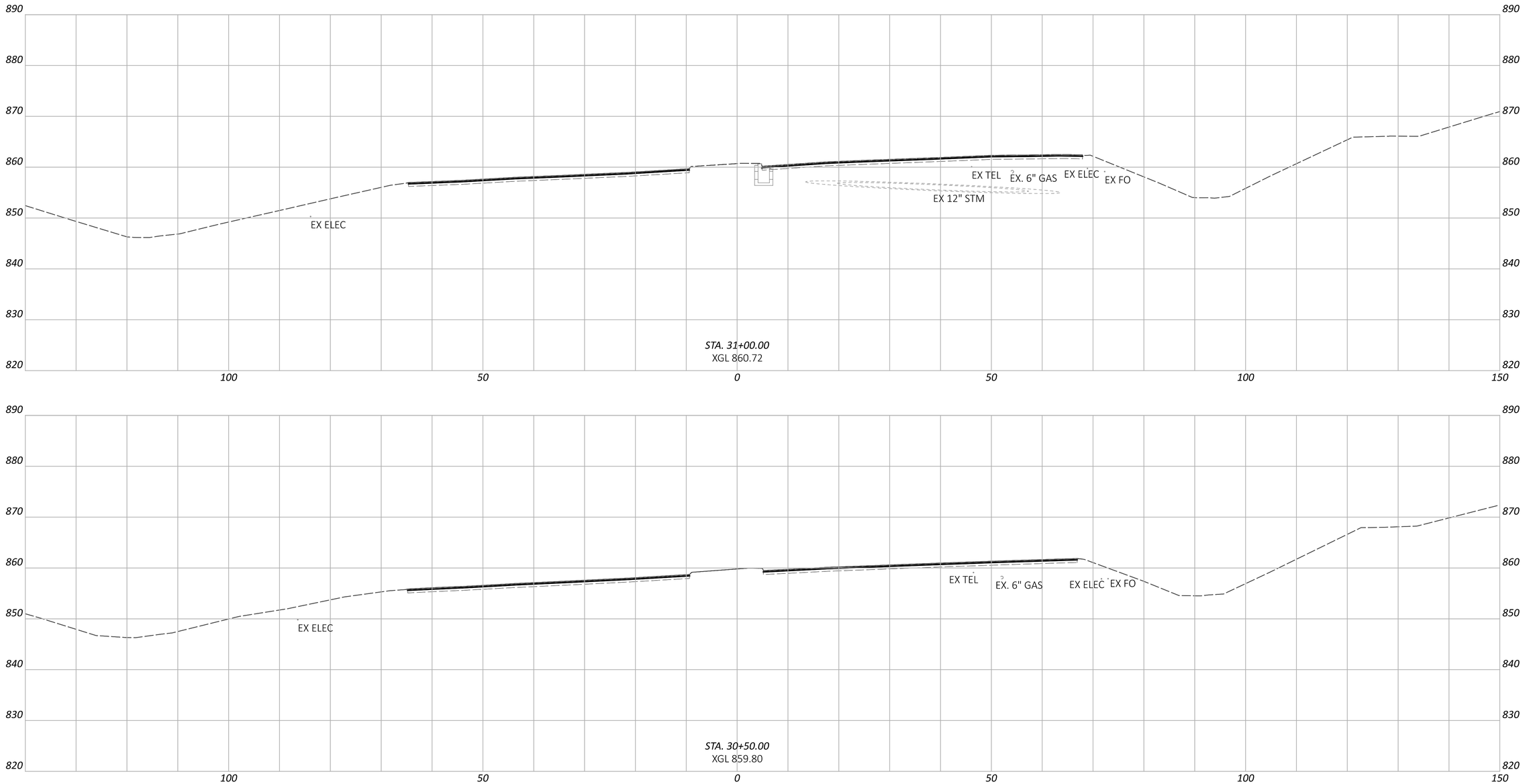
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0872 TOTAL P.1556



CROSS SECTIONS - SR 256
STA. 30+50.00 TO STA. 31+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - 30+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:31:08 AM USER: brieder
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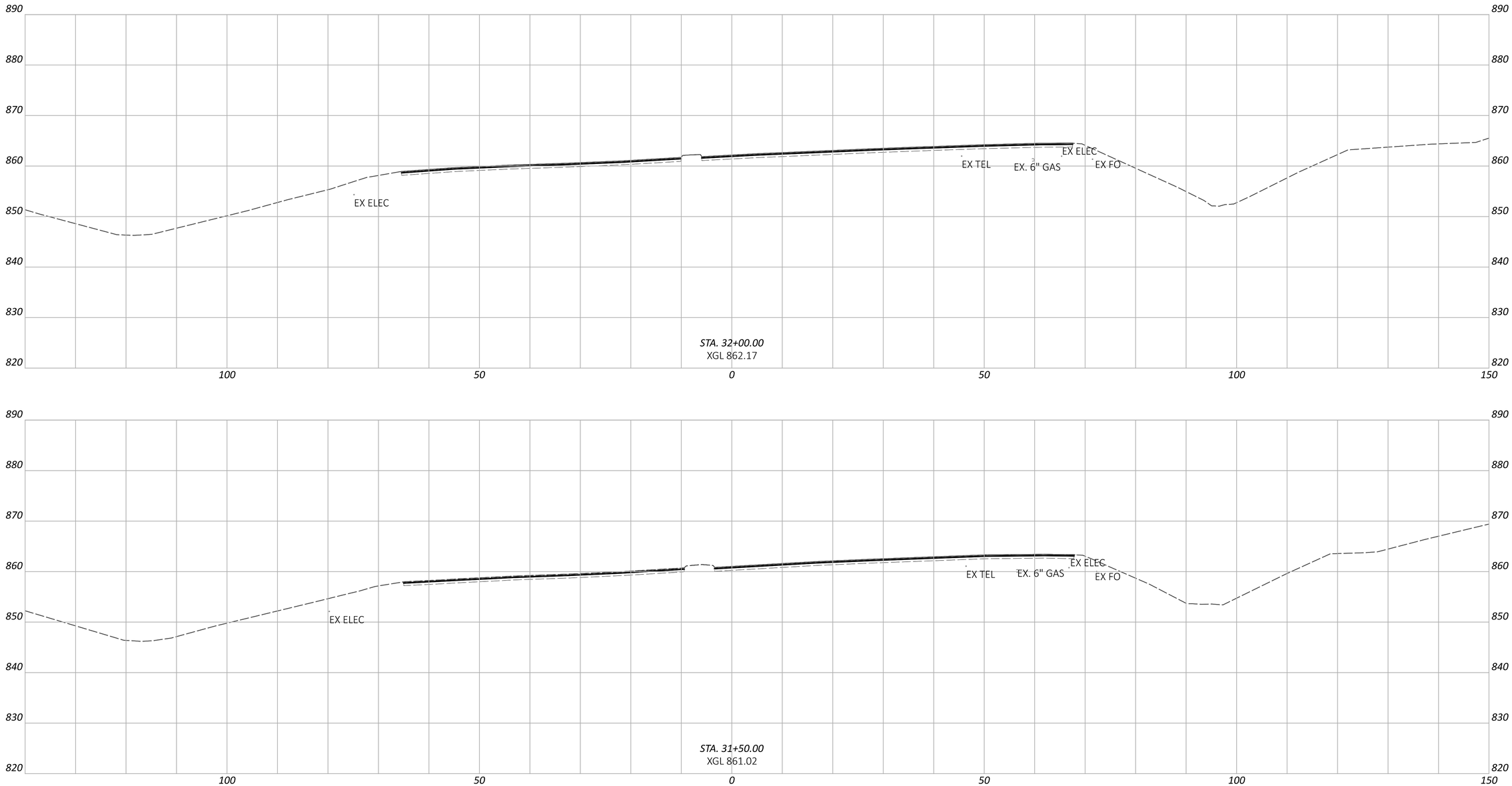
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0873 TOTAL P.1556



CROSS SECTIONS - SR 256
STA. 31+50.00 TO STA. 32+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5256 - 31+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:31:14 AM USER: brieder
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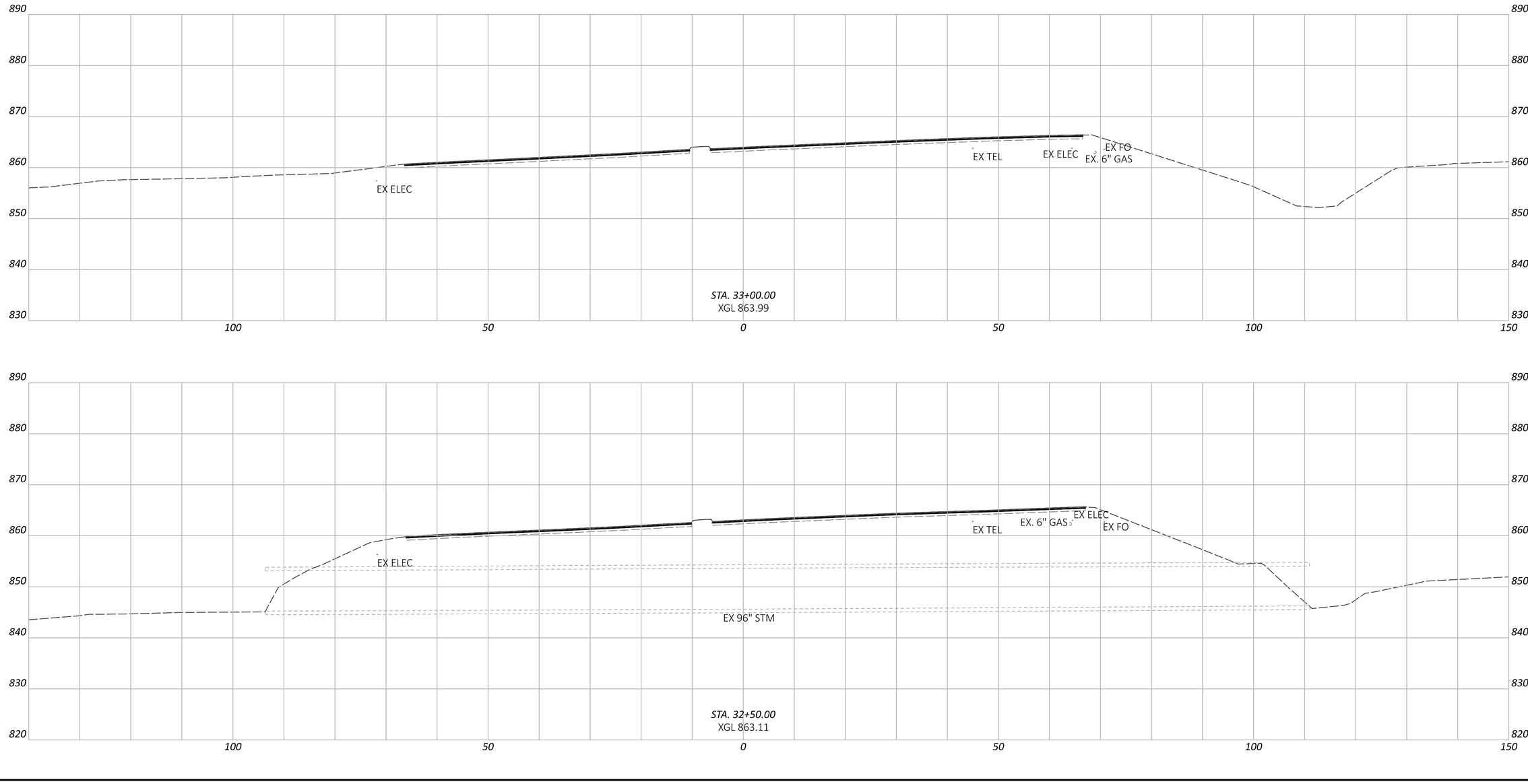
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET	TOTAL
P.0874	P.1556



CROSS SECTIONS - SR 256
STA. 32+50.00 TO STA. 33+00.00

FAI/LIC-IR 70-0.00/0.00

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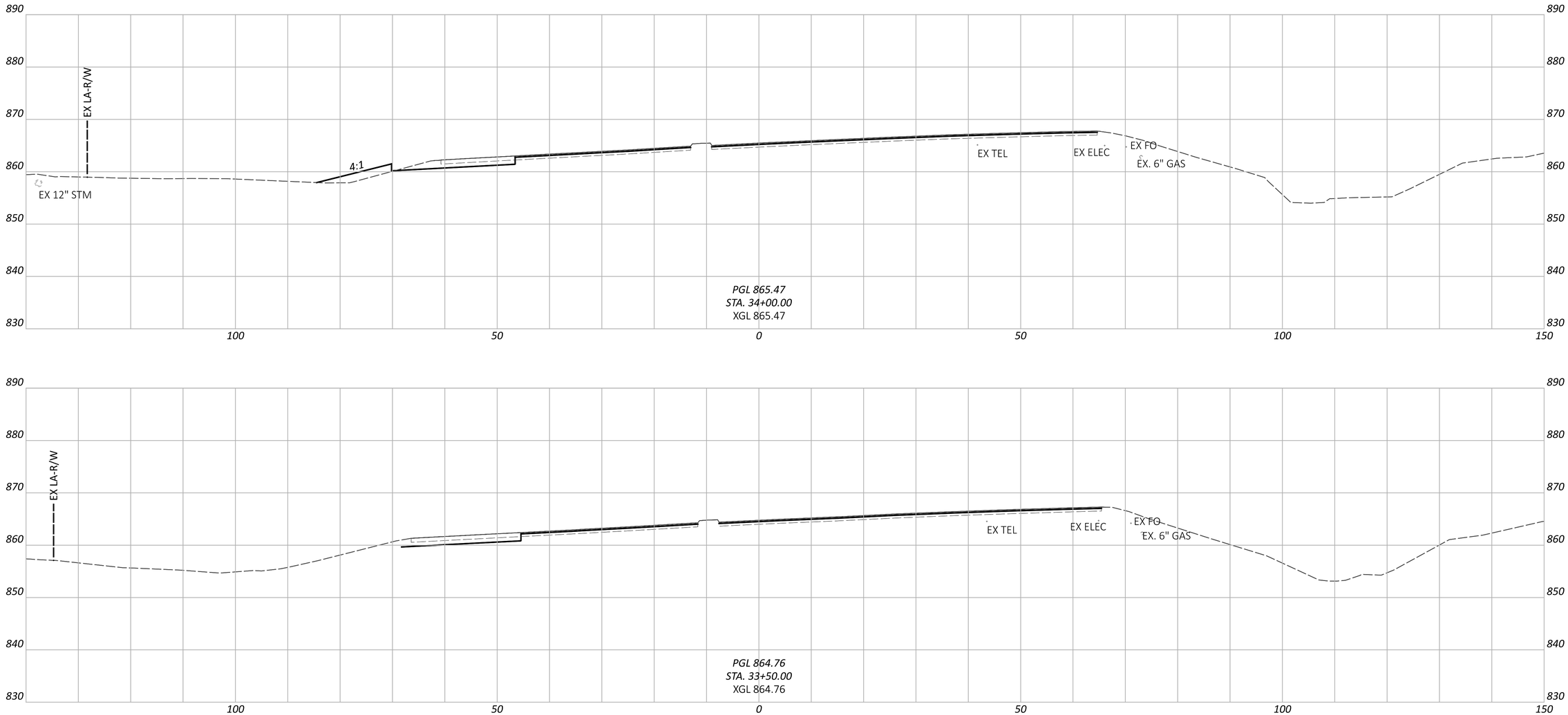
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0875 TOTAL P.1556



CROSS SECTIONS - SR 256
STA. 33+50.00 TO STA. 34+00.00

FAI/LIC-IR 70-0.00/0.00

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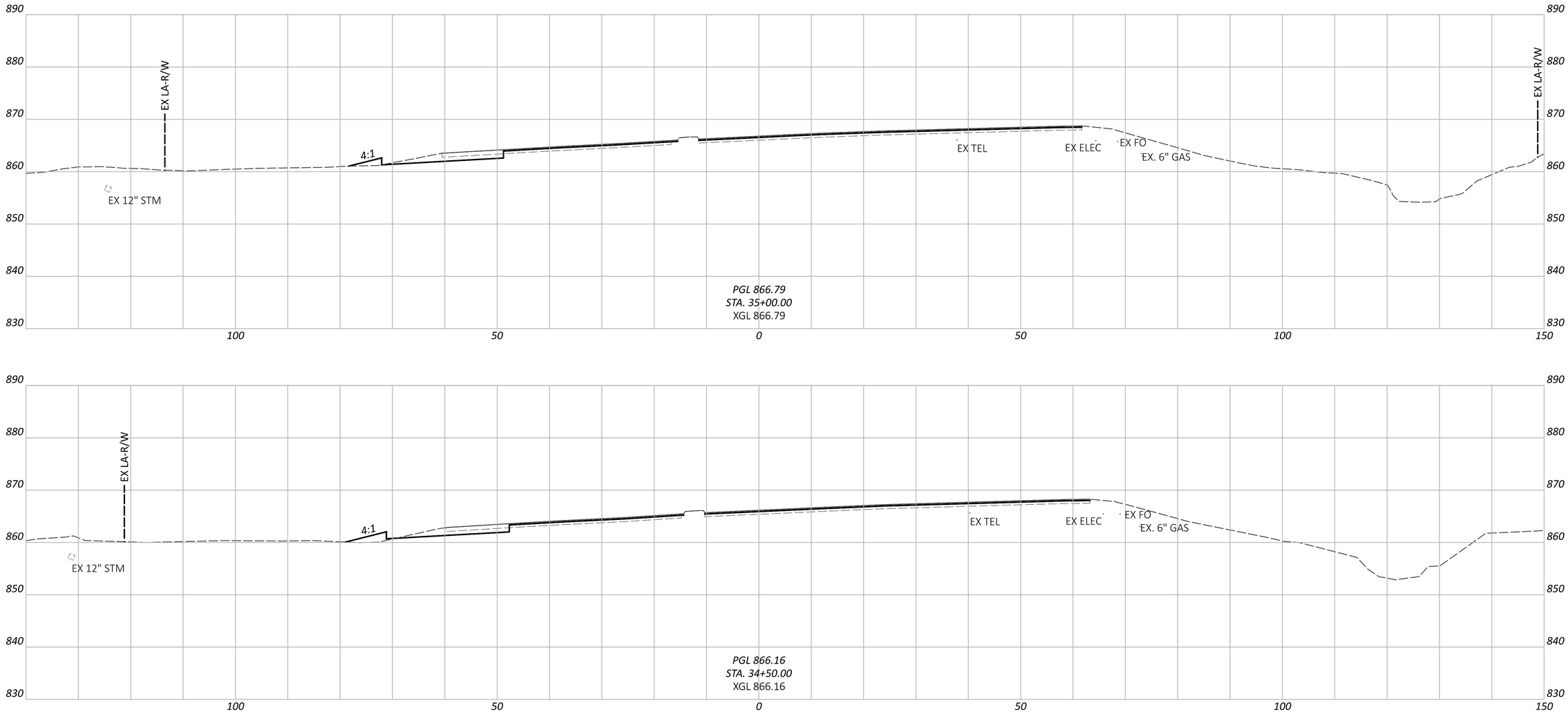
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0876
TOTAL	P.1556



CROSS SECTIONS - SR 256
STA. 34+50.00 TO STA. 35+00.00

FAI/LIC-IR 70-0.00/0.00

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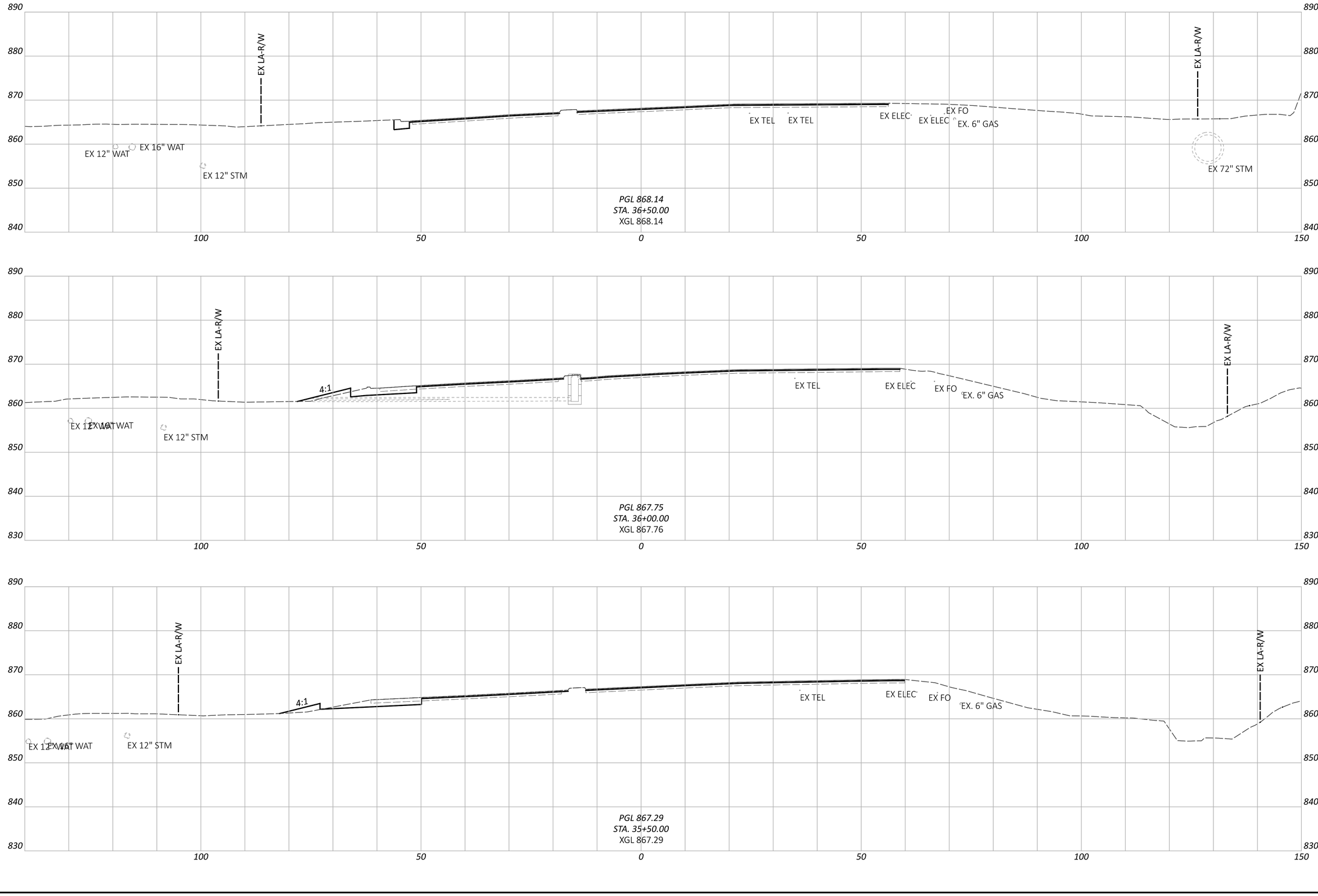
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0877
TOTAL	P.1556



FAI/LIC-IR 70-0.00/0.00

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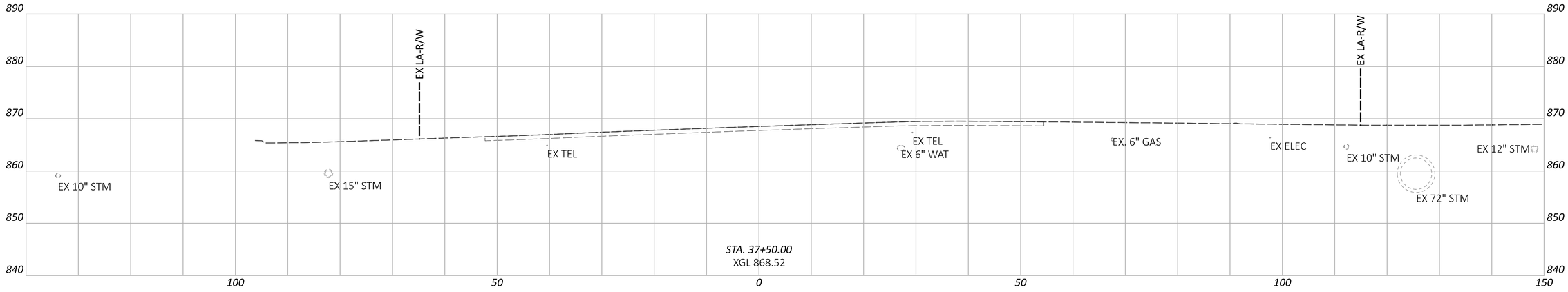
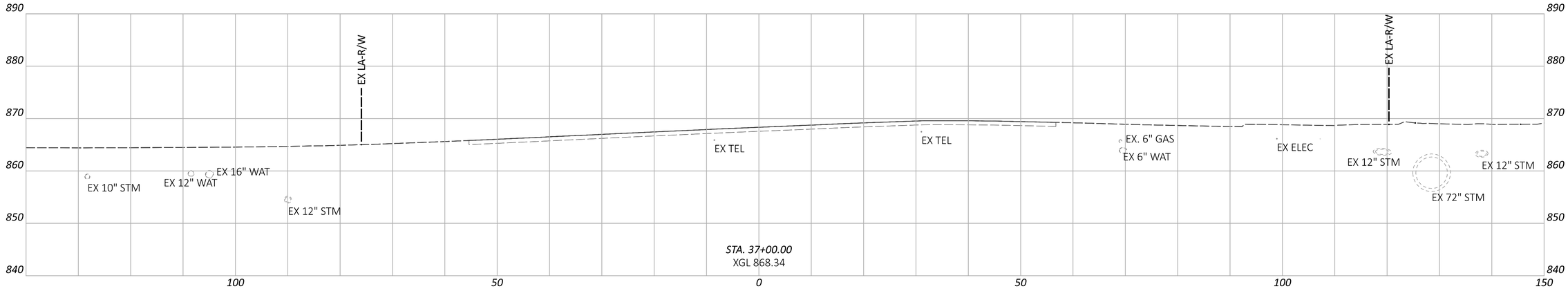
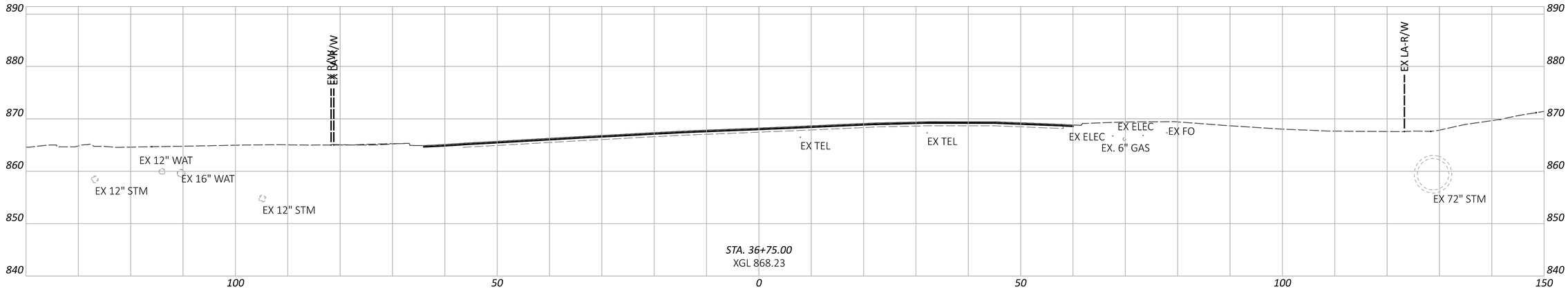
CROSS SECTIONS - SR 256
STA. 35+50.00 TO STA. 36+50.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0878
TOTAL	P.1556







CROSS SECTIONS - SR 256
STA. 36+75.00 TO STA. 37+50.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0879 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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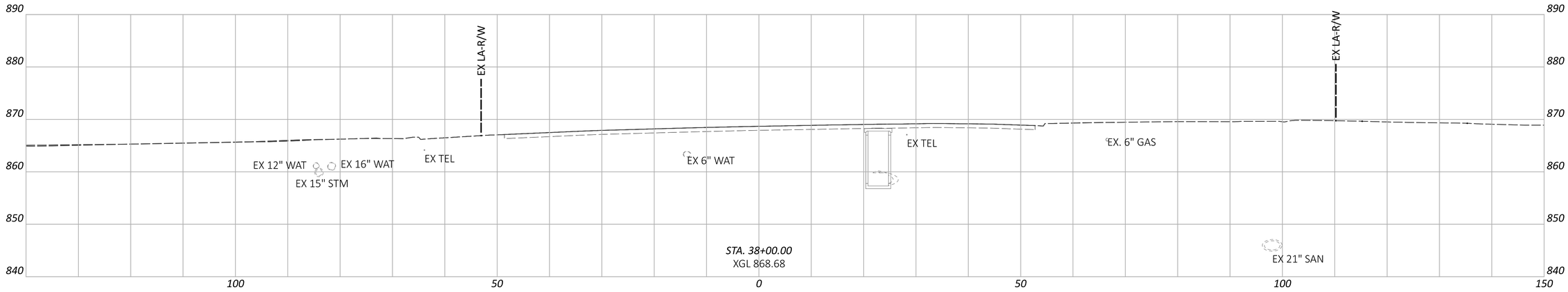
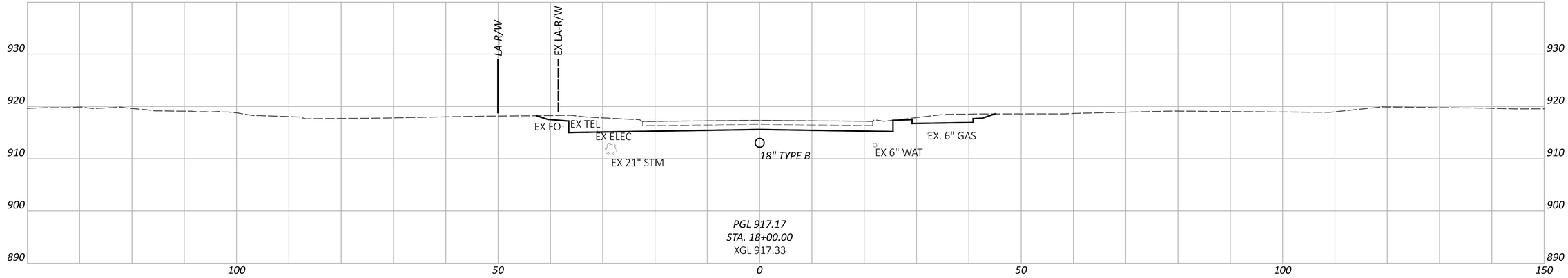
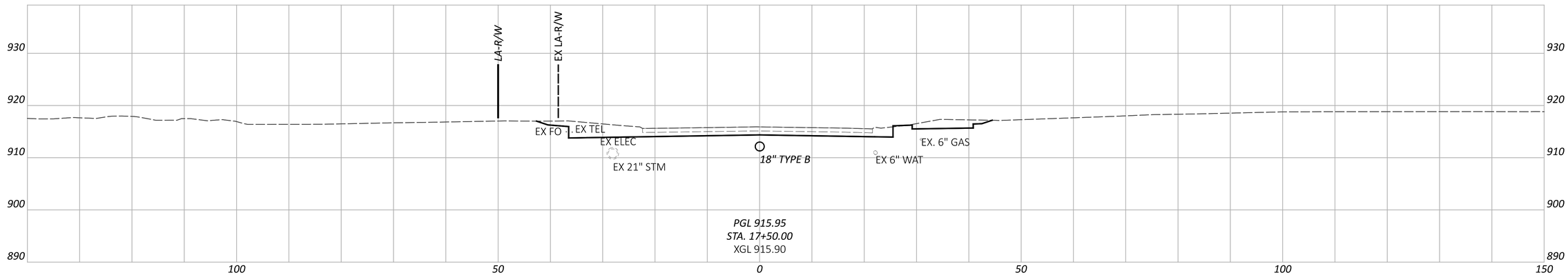
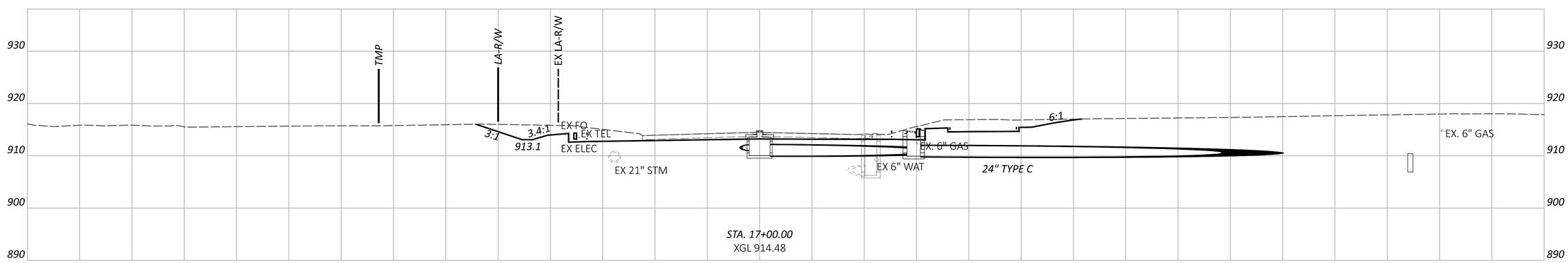
CROSS SECTIONS - SR 256
STA. 38+00.00



DESIGN AGENCY
STRUCTUREPOINT LLC
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0880 TOTAL P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - TAYLOR RD
STA. 17+00.00 TO STA. 18+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 17+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:32:18 AM USER: brieder
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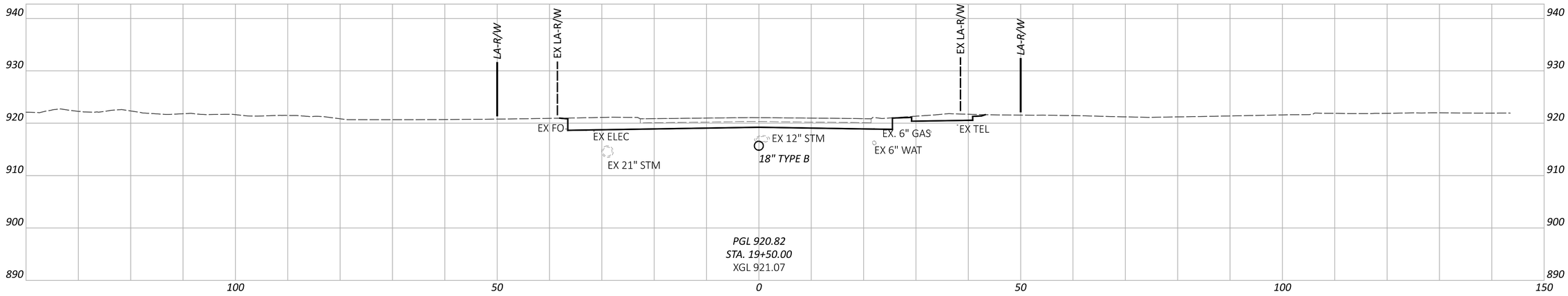
DESIGN AGENCY
STRUCTUREPOINT

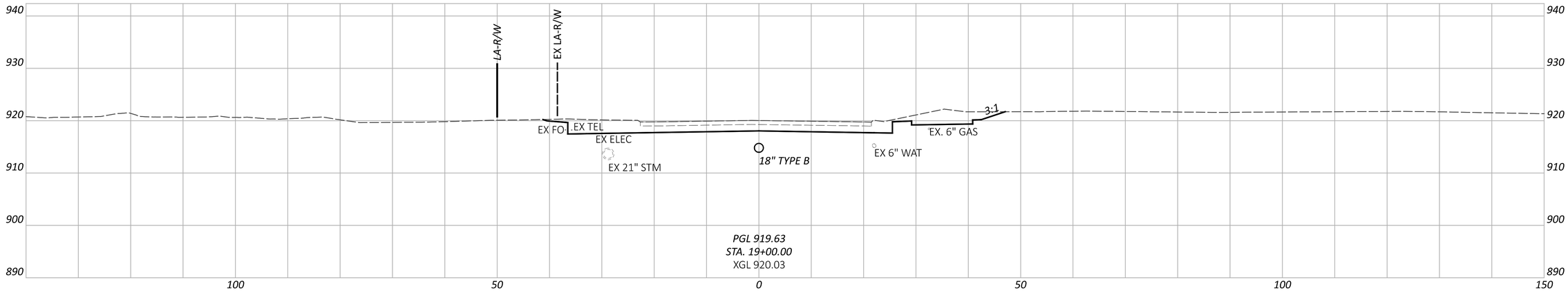
DESIGNER
BER

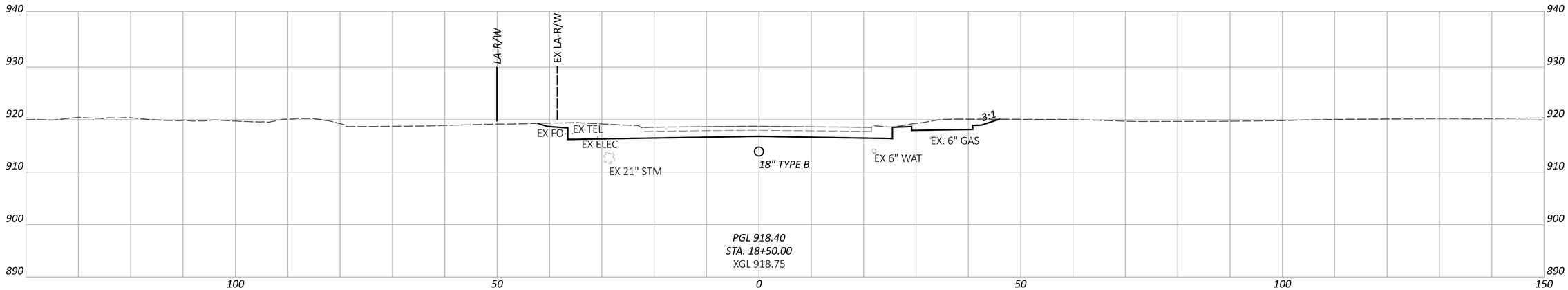
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0881 TOTAL P.1556







NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - TAYLOR RD
STA. 18+50.00 TO STA. 19+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0882 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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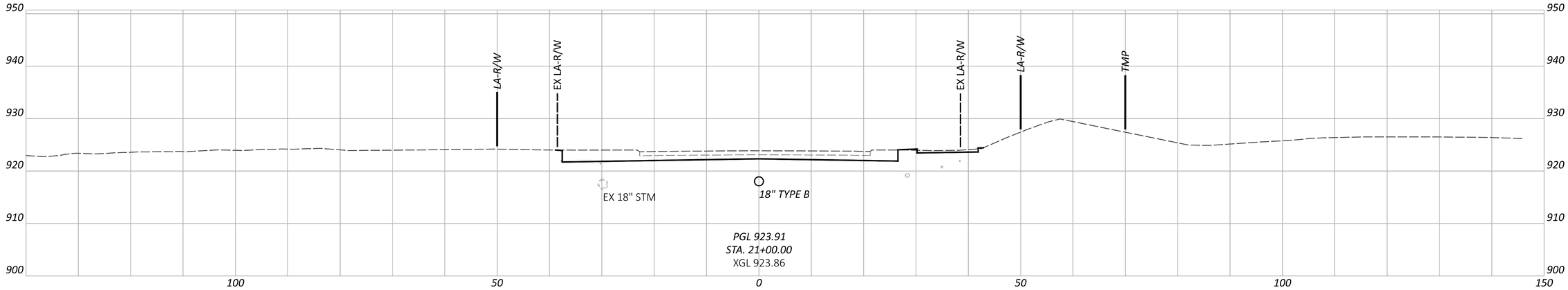

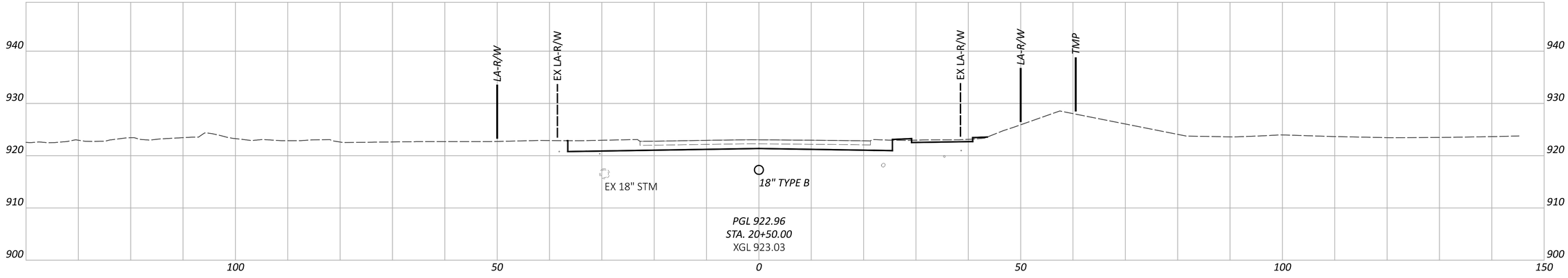

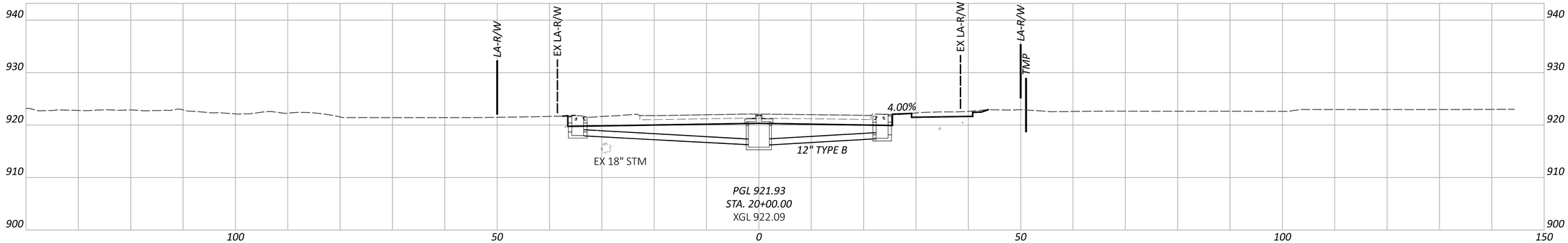

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - TAYLOR RD
STA. 20+00.00 TO STA. 21+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0883 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 20+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:32:40 AM USER: brieder
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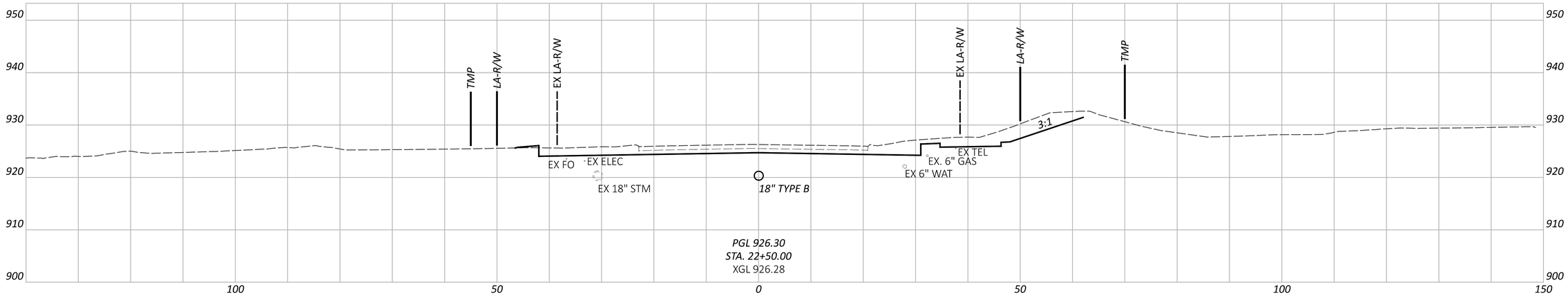

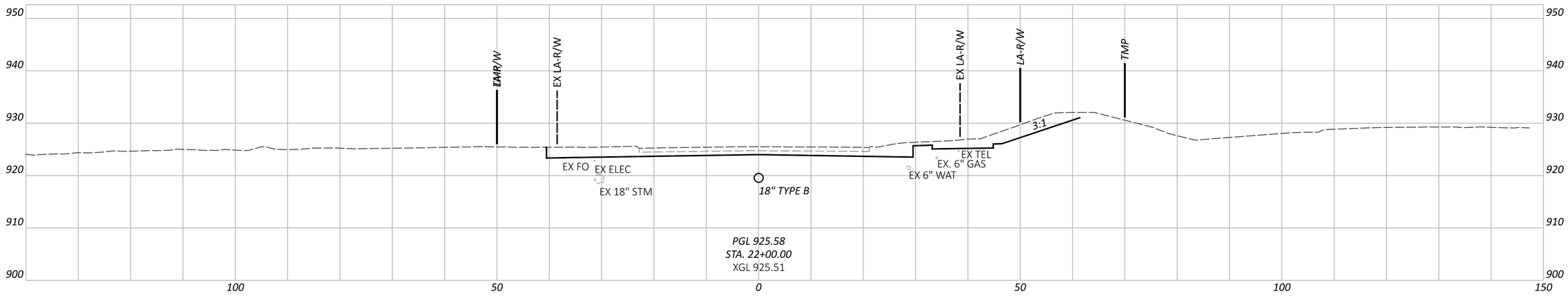

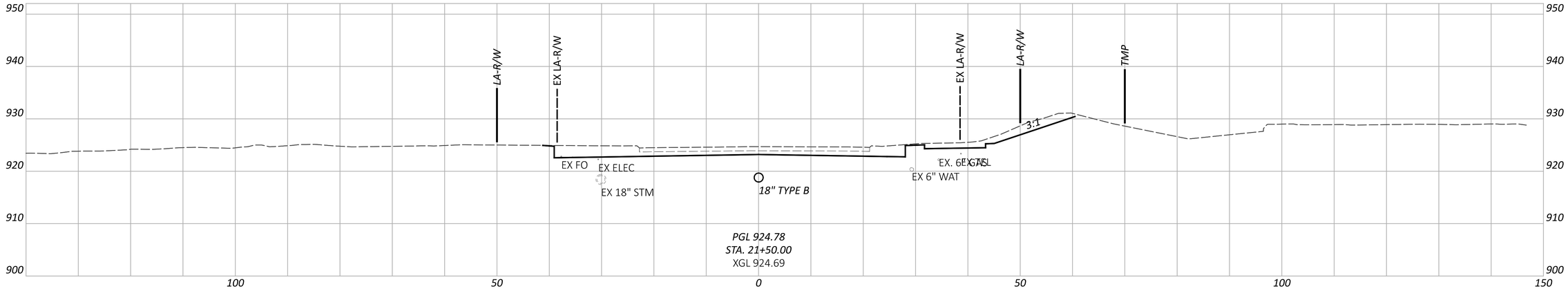

NOTE: FOR PROPOSED STORM SEWER DETAILS, SEE SHEETS P.1024 - P.1083

CROSS SECTIONS - TAYLOR RD
STA. 21+50.00 TO STA. 22+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 21+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:32:44 AM USER: brieder
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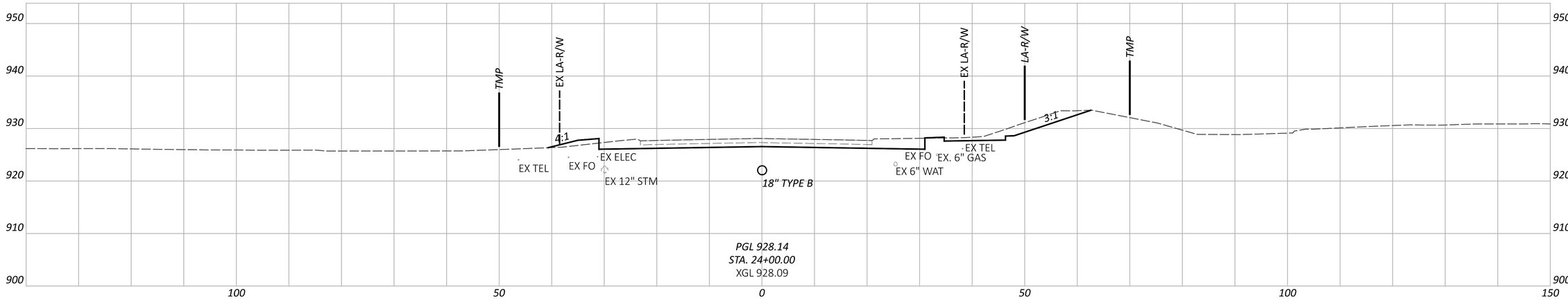
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

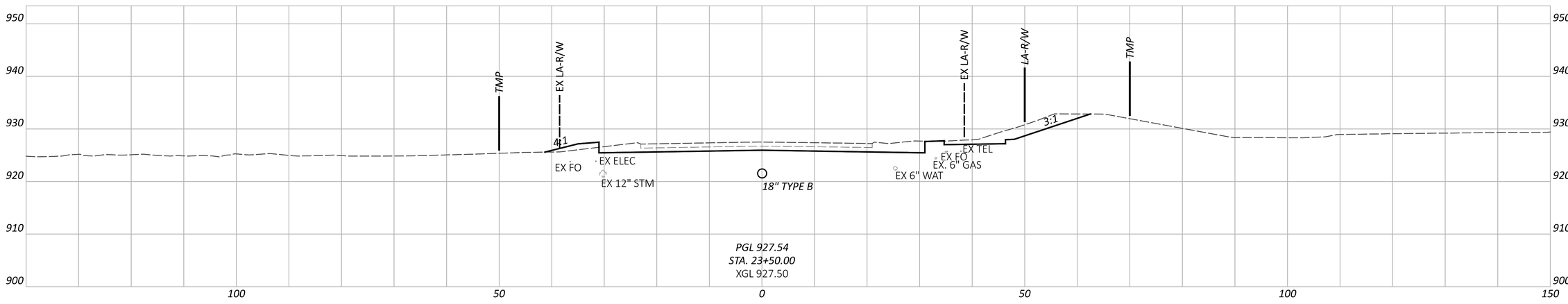
DESIGNER
BER

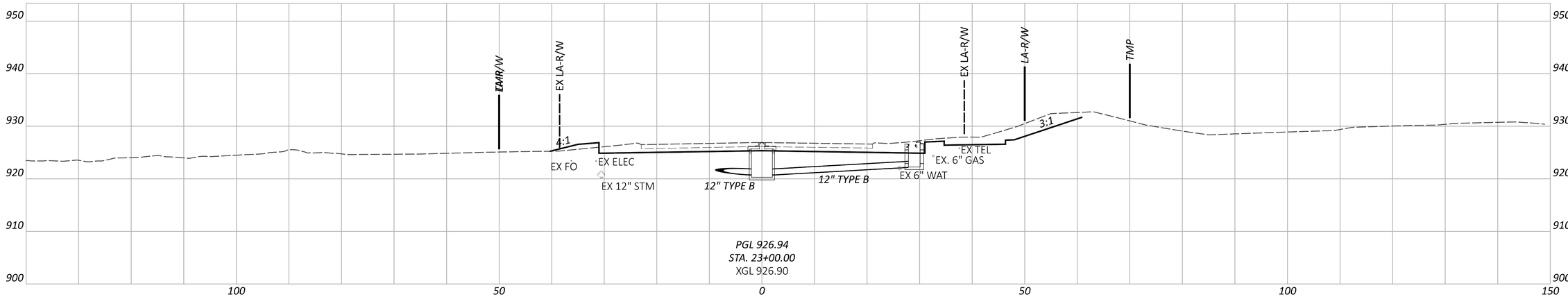
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0884 | TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - TAYLOR RD
STA. 23+00.00 TO STA. 24+00.00

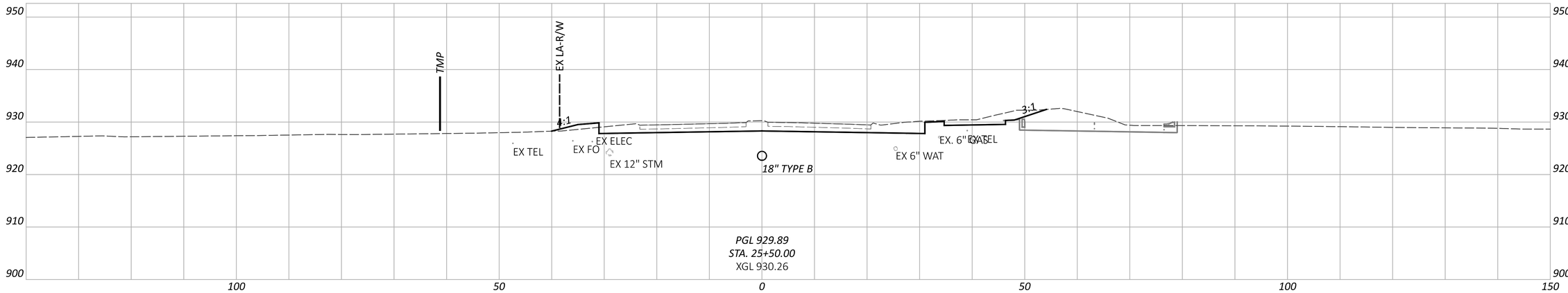
DESIGN AGENCY
STRUCTUREPOINT LLC

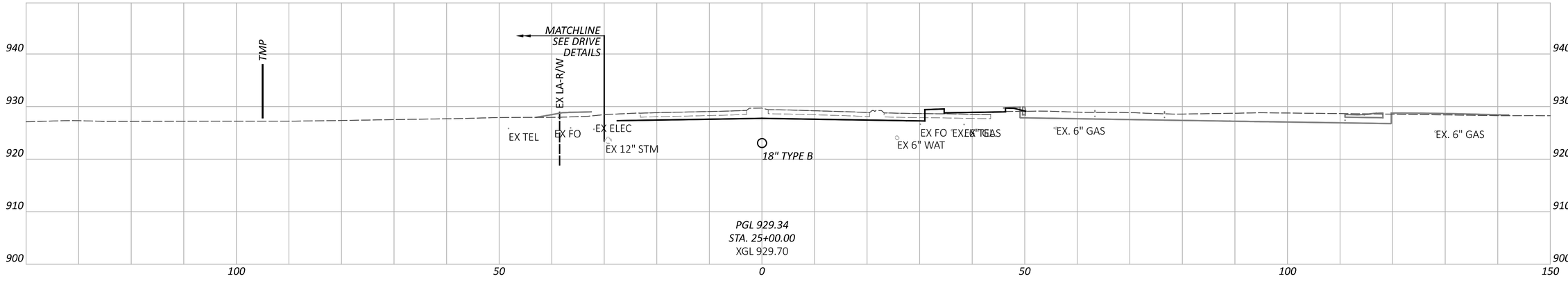
DESIGNER
BER

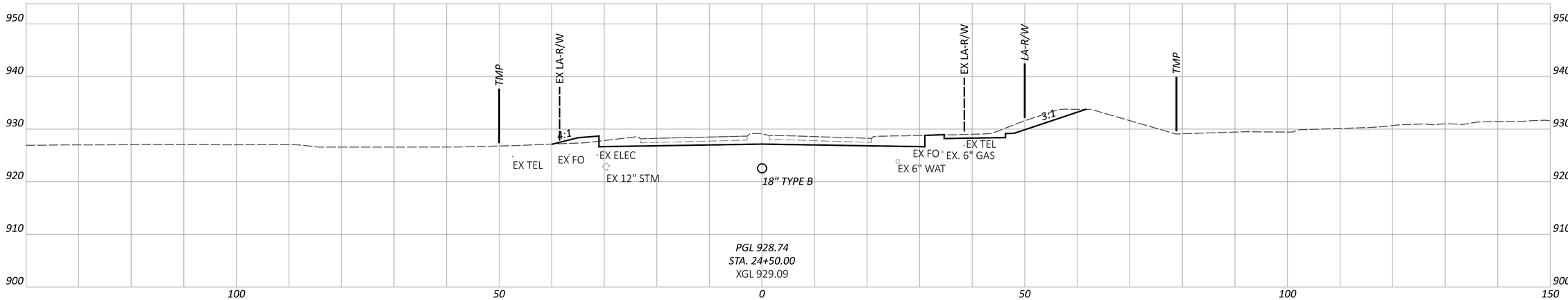
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0885 TOTAL P.1556







CROSS SECTIONS - TAYLOR RD
STA. 24+50.00 TO STA. 25+50.00

DESIGN AGENCY
MIDWESTERN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0886 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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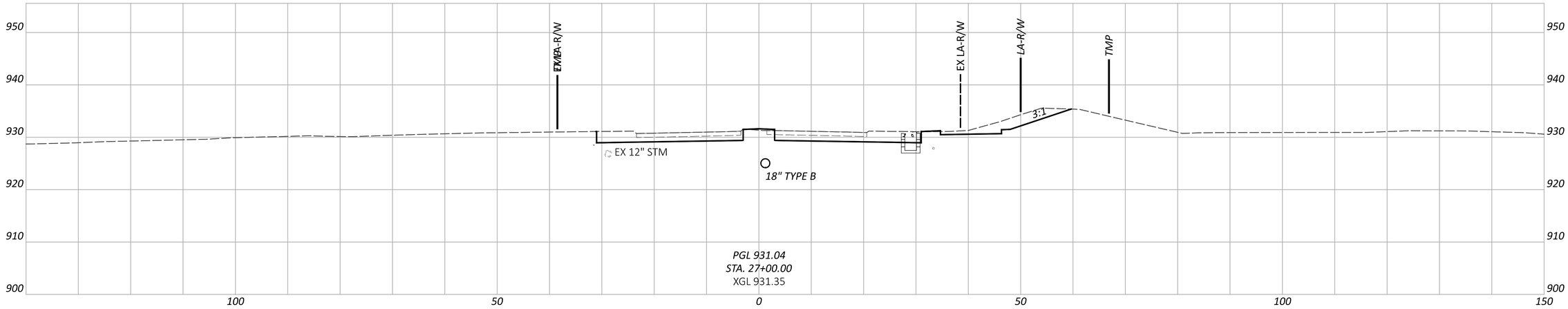

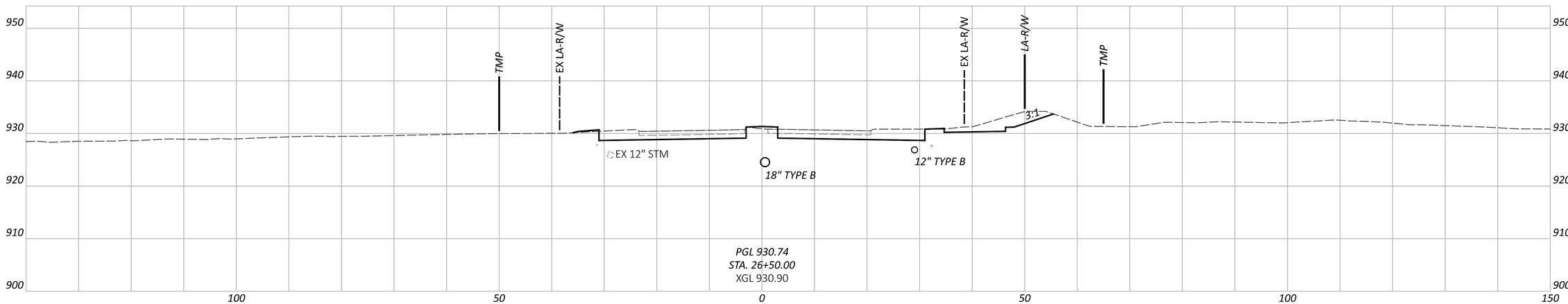

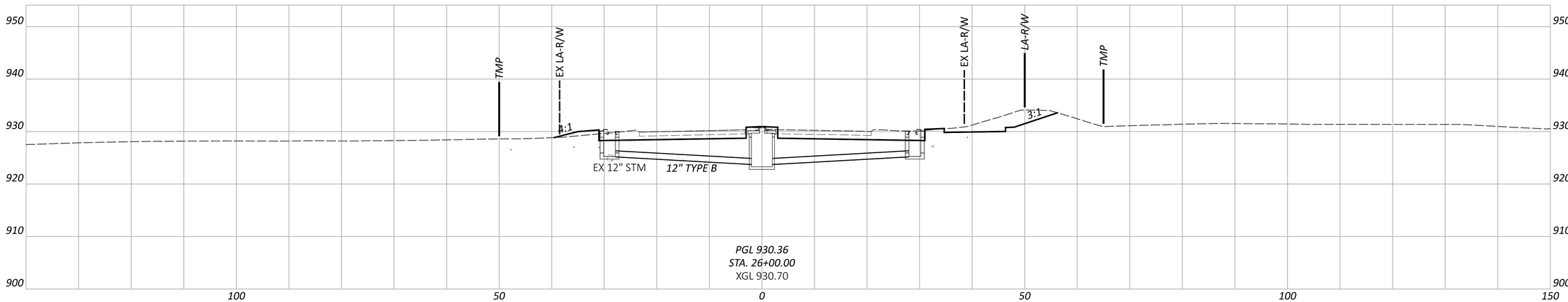

CROSS SECTIONS - TAYLOR RD
STA. 26+00.00 TO STA. 27+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0887 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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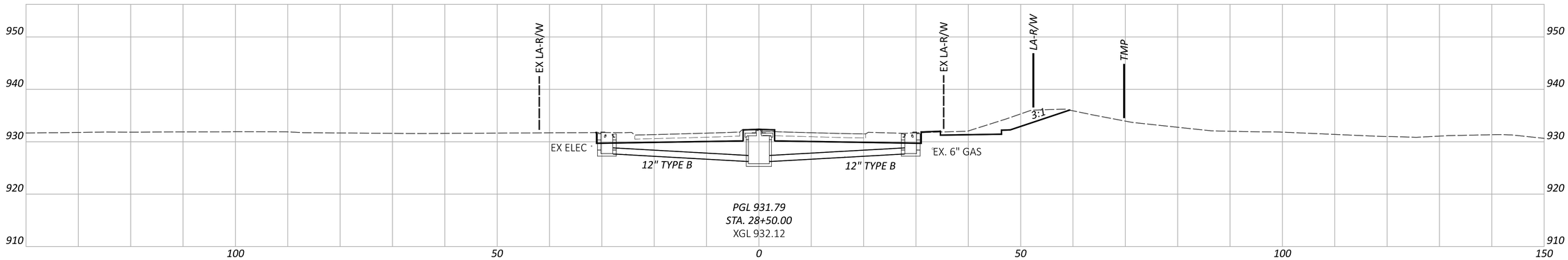

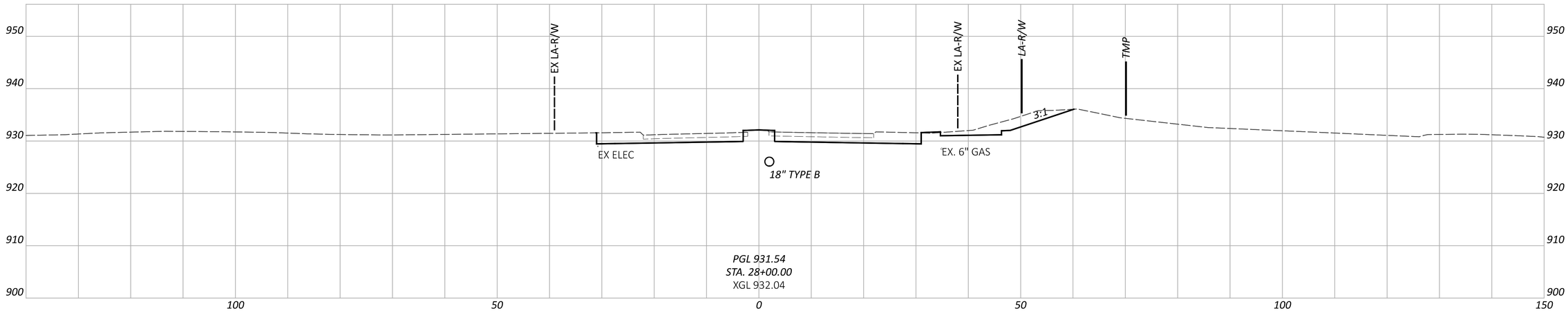

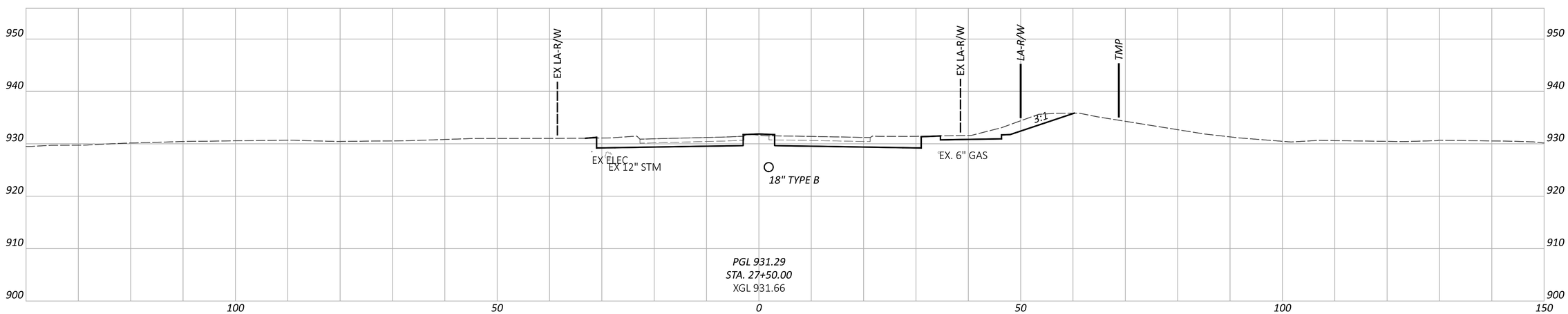

CROSS SECTIONS - TAYLOR RD
STA. 27+50.00 TO STA. 28+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 27+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:33:00 AM USER: brieder
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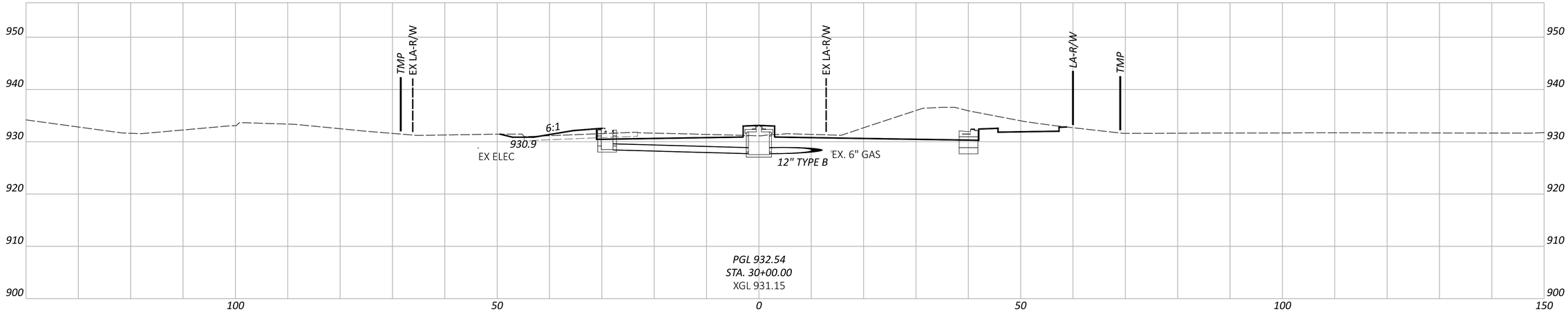
DESIGN AGENCY
STRUCTUREPOINT

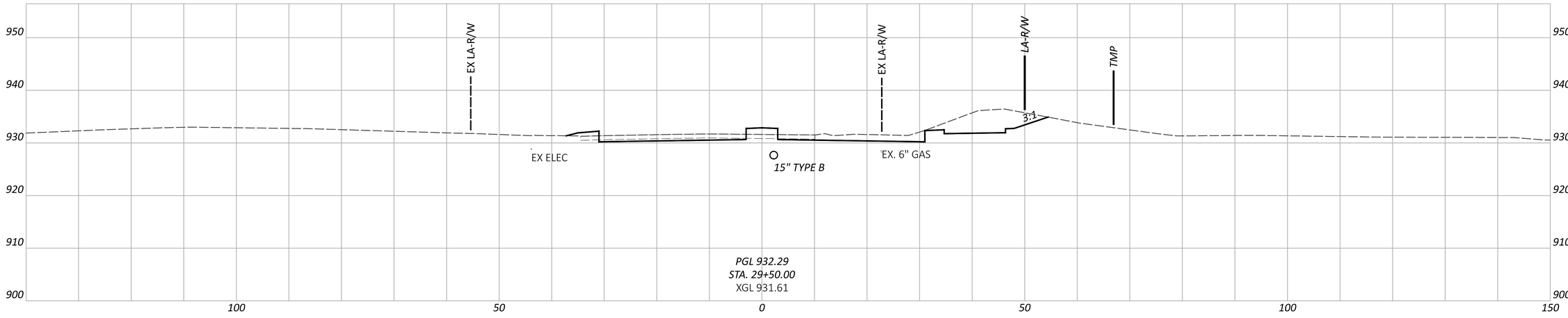
DESIGNER
BER

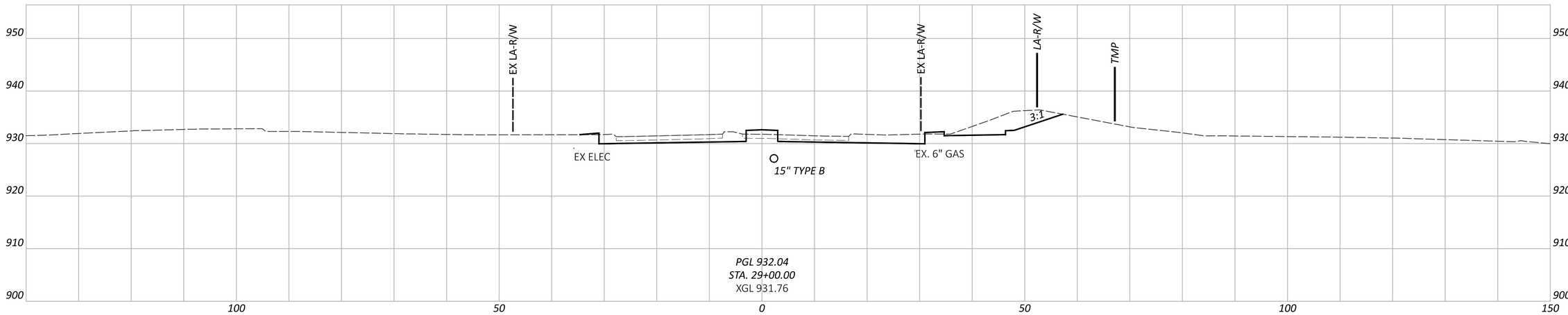
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0888 TOTAL P.1556







CROSS SECTIONS - TAYLOR RD
STA. 29+00.00 TO STA. 30+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 29+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:33:05 AM USER: brieder
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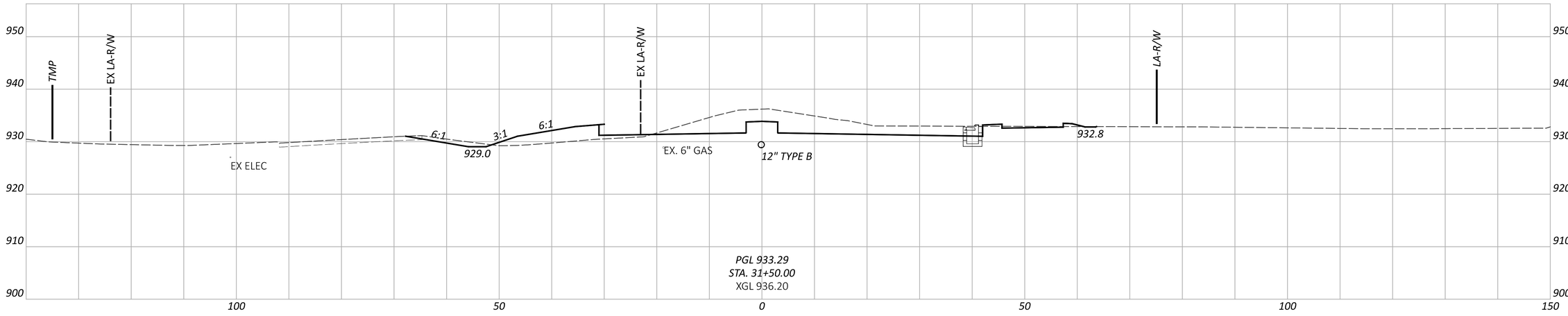
DESIGN AGENCY
STRUCTUREPOINT

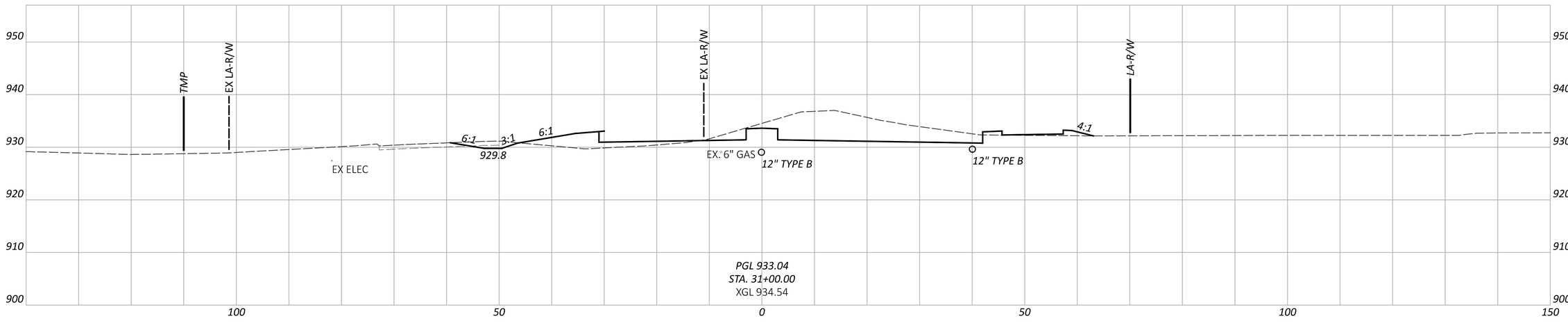
DESIGNER
BER

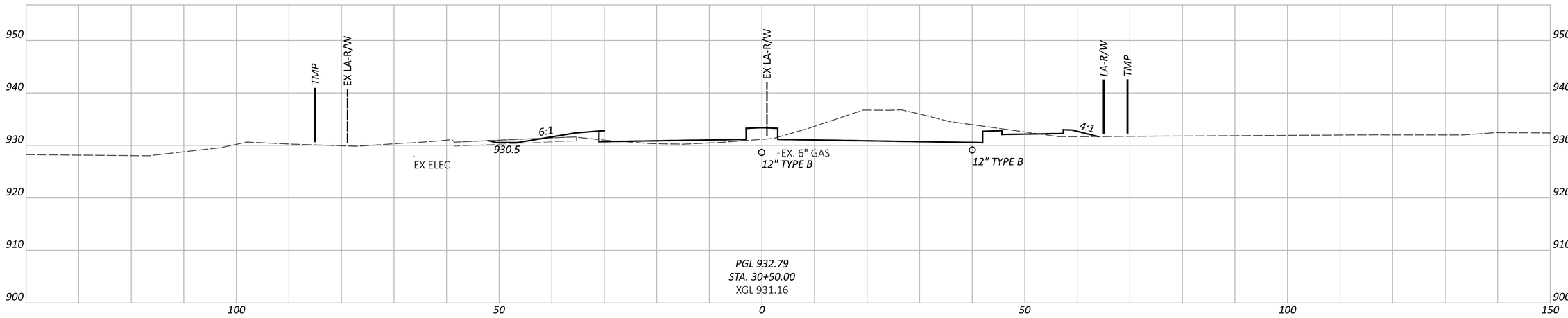
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0889 TOTAL P.1556







CROSS SECTIONS - TAYLOR RD
STA. 30+50.00 TO STA. 31+50.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0890 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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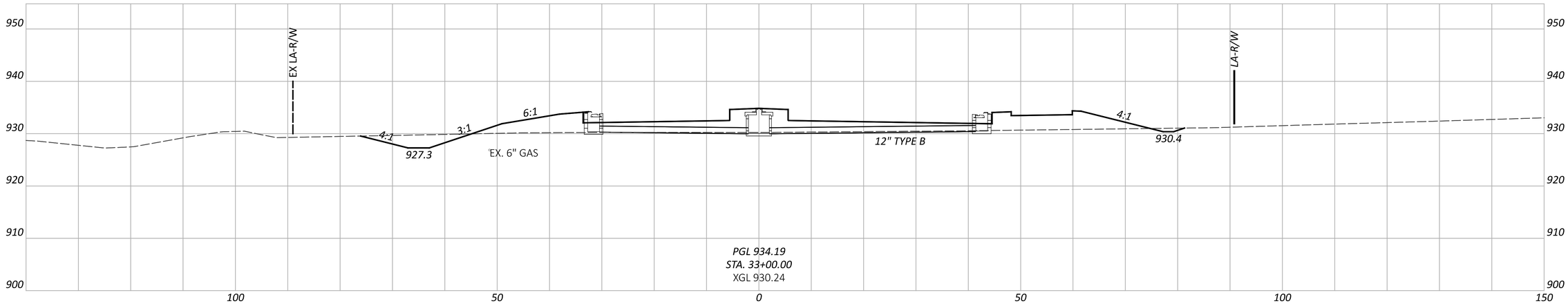

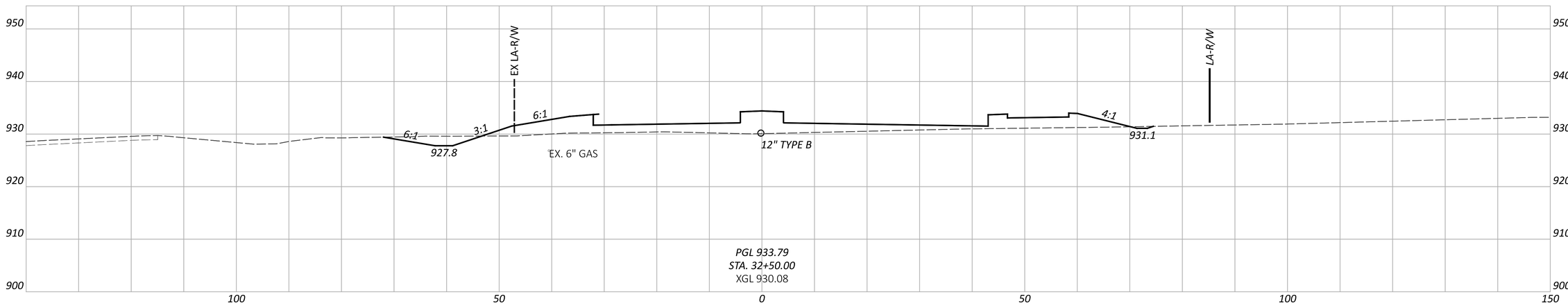

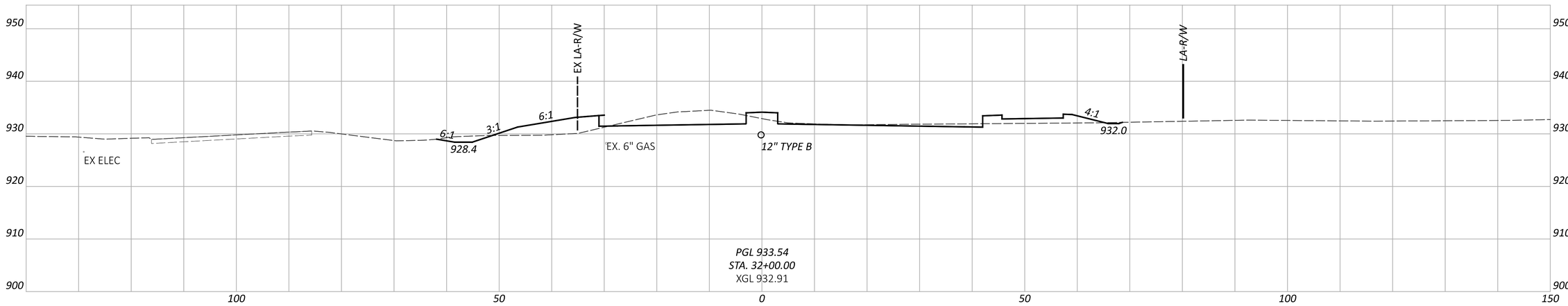

CROSS SECTIONS - TAYLOR RD
STA. 32+00.00 TO STA. 33+00.00

FAI/LIC-IR 70-0.00/0.00

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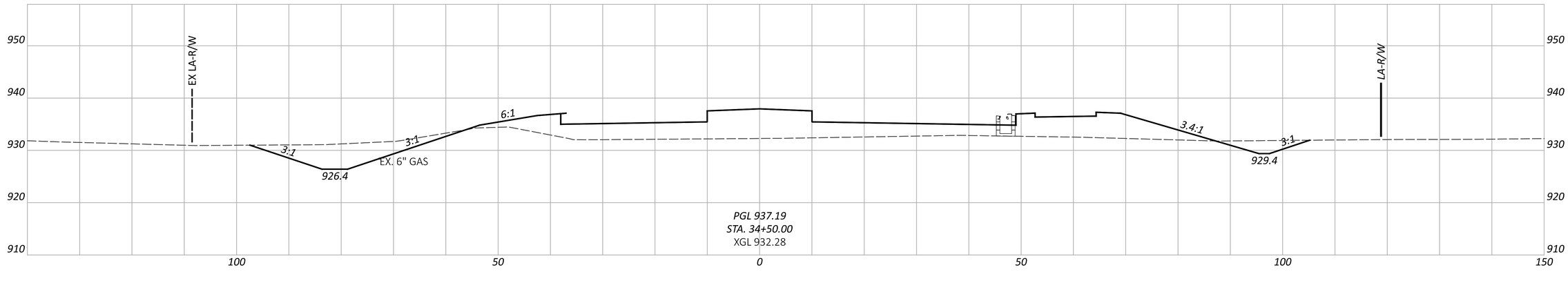
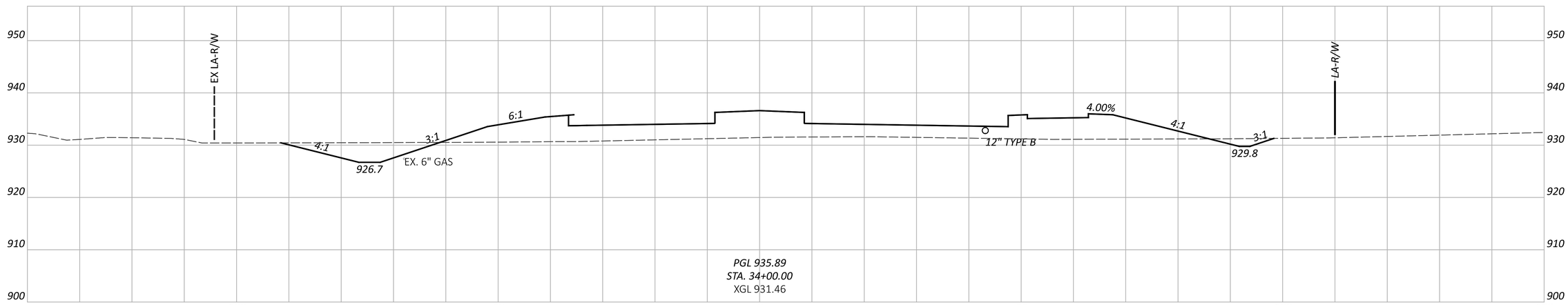
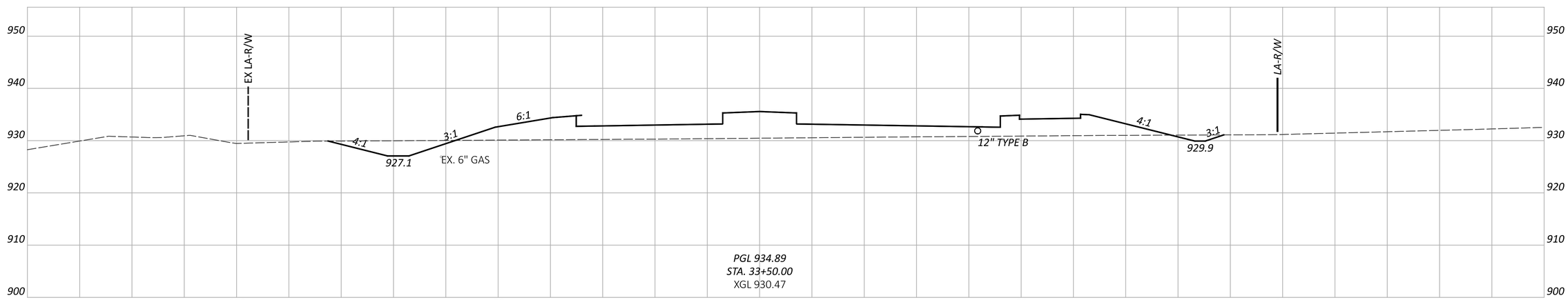
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0891
TOTAL	P.1556







CROSS SECTIONS - TAYLOR RD
STA. 33+50.00 TO STA. 34+50.00

FAI/LIC-IR 70-0.00/0.00

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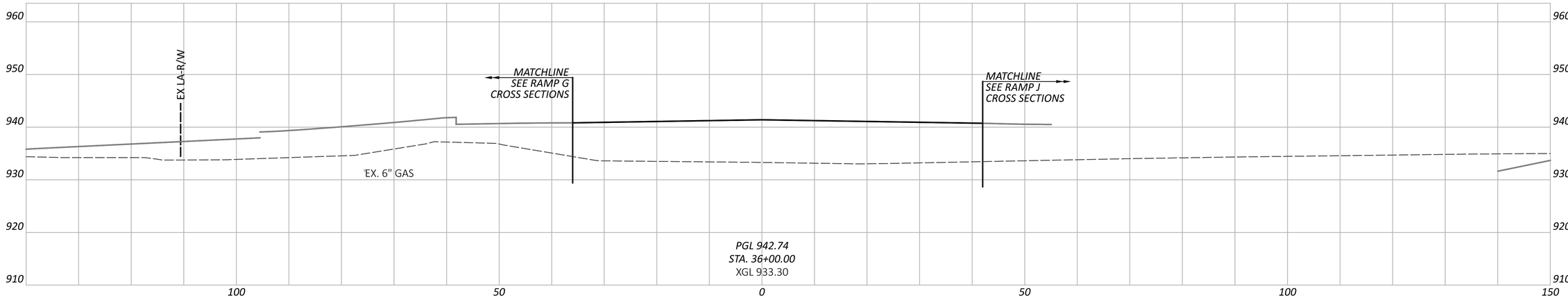
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

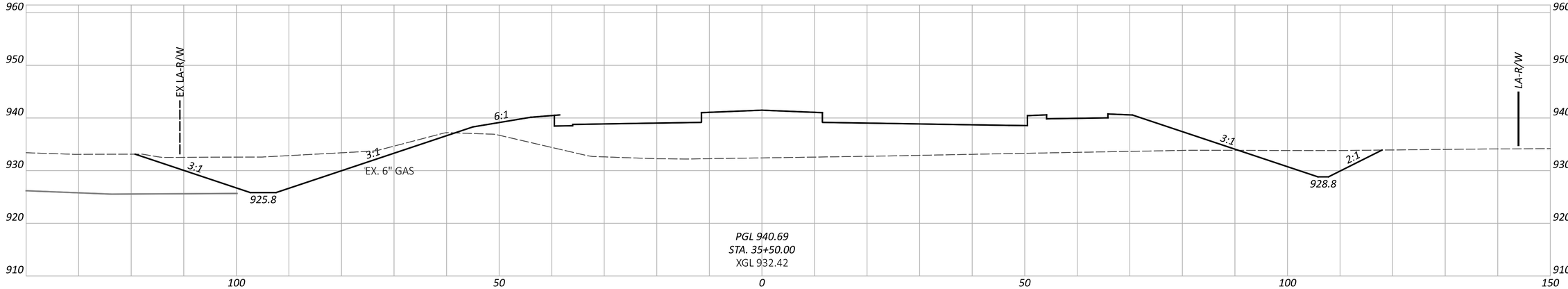
DESIGNER
BER

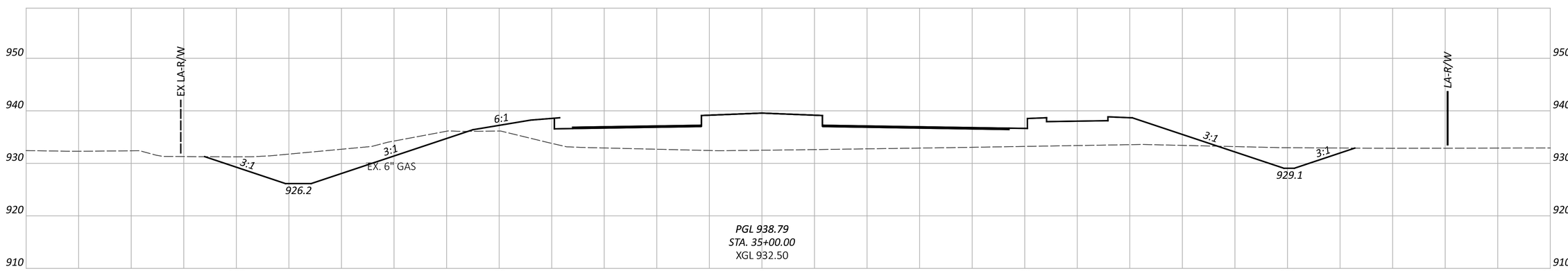
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0892 TOTAL P.1556







CROSS SECTIONS - TAYLOR RD
STA. 35+00.00 TO STA. 36+00.00

FAI/LIC-IR 70-0.00/0.00

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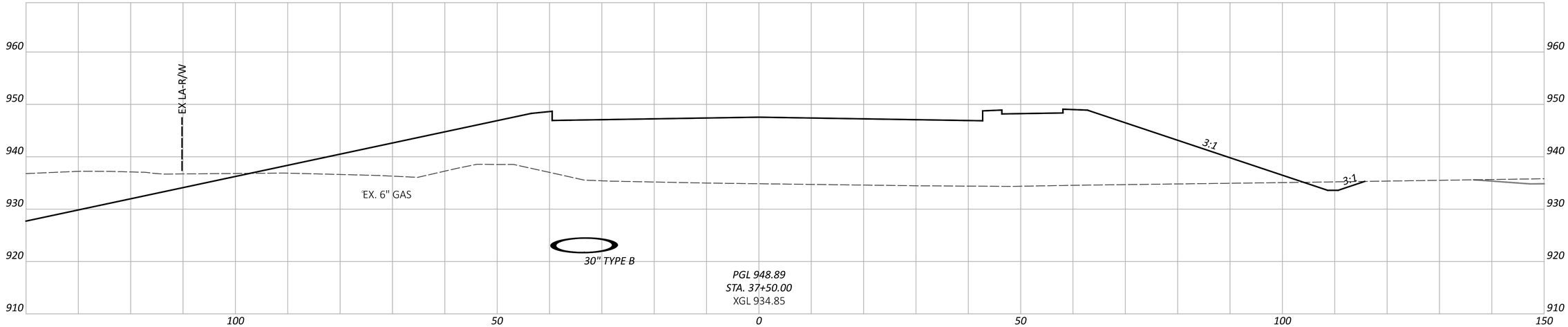
DESIGN AGENCY
STRUCTUREPOINT LLC

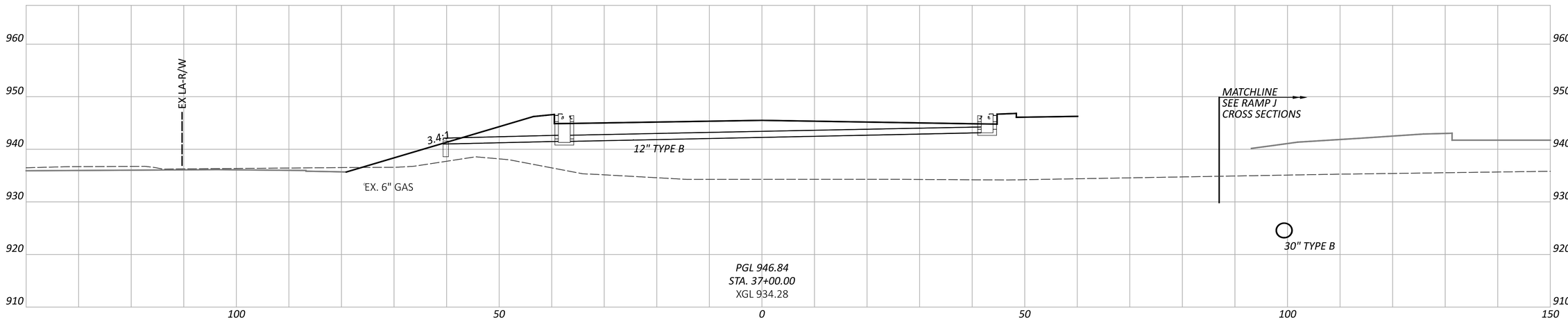
DESIGNER
BER

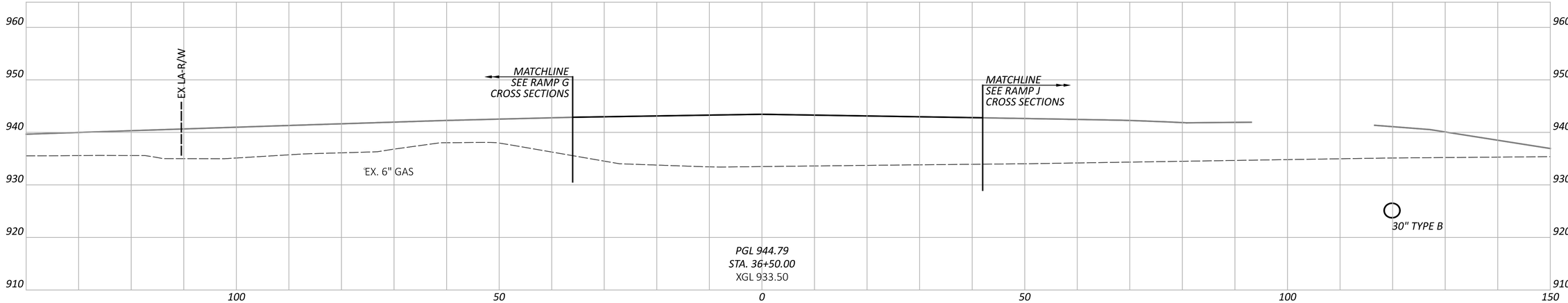
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0893 | TOTAL P.1556







CROSS SECTIONS - TAYLOR RD
STA. 36+50.00 TO STA. 37+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0894
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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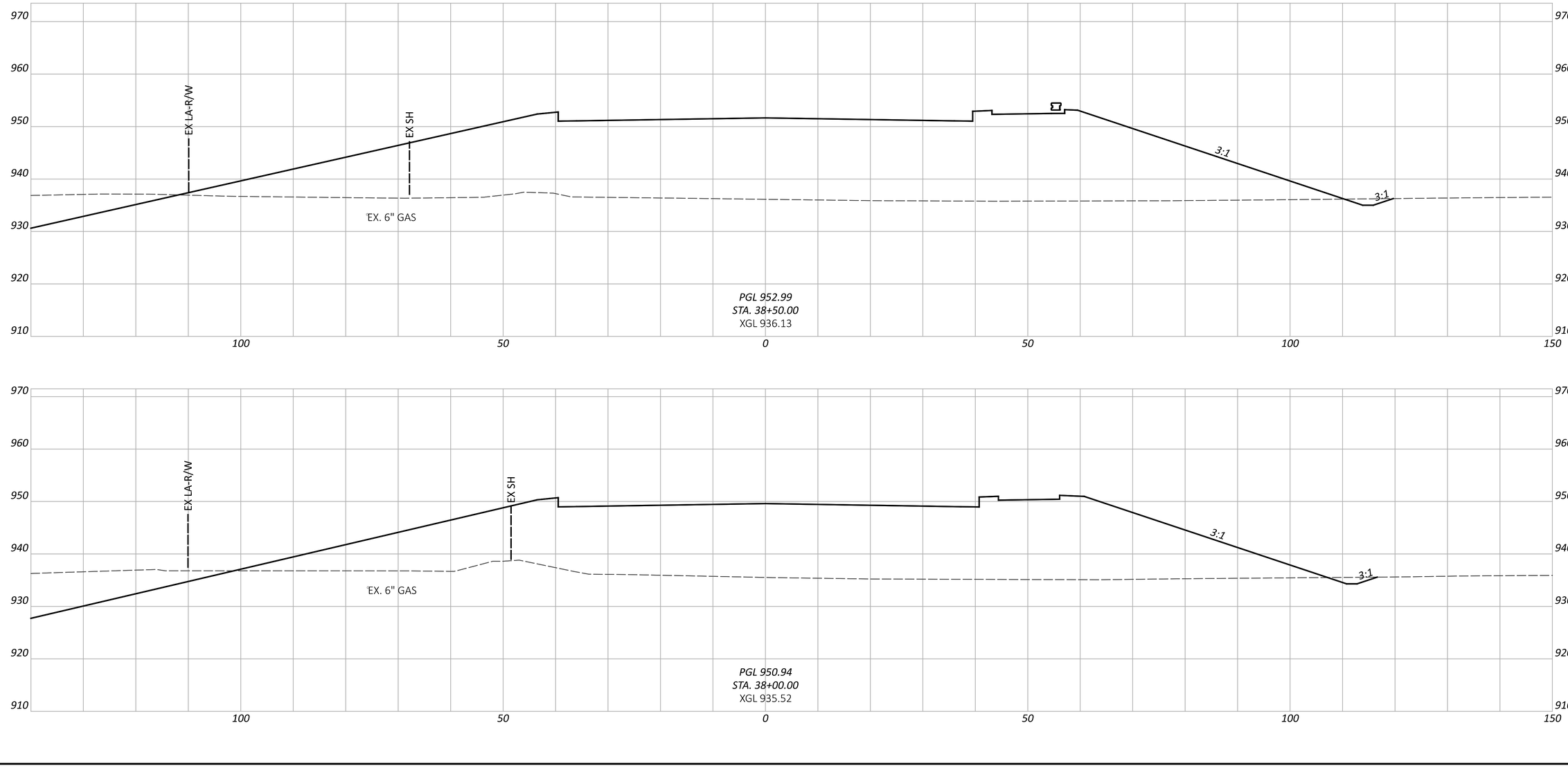

CROSS SECTIONS - TAYLOR RD
STA. 38+00.00 TO STA. 38+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0895 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 38+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:33:29 AM USER: brieder
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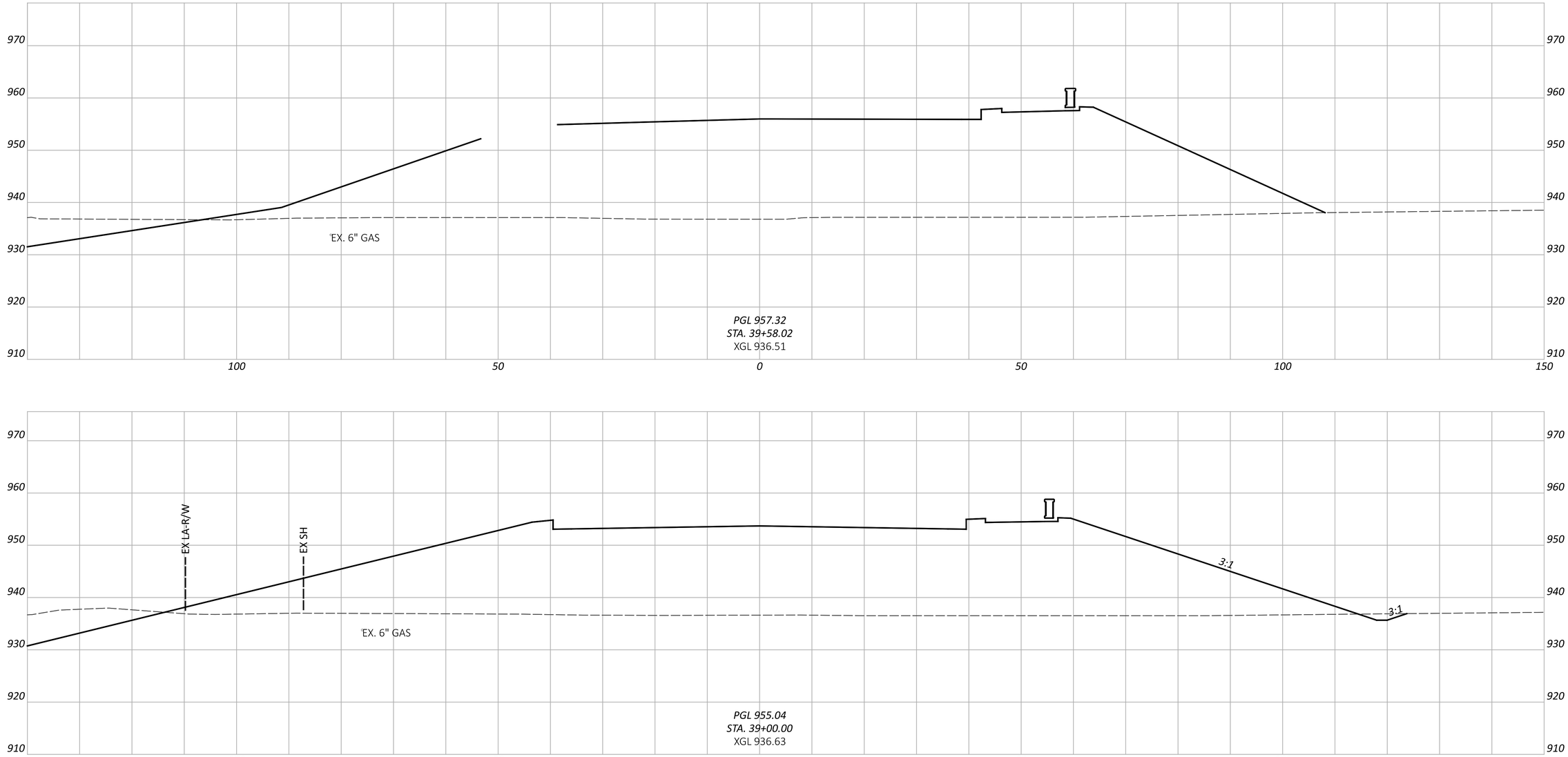

CROSS SECTIONS - TAYLOR RD
STA. 39+00.00 TO STA. 39+58.02

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0896 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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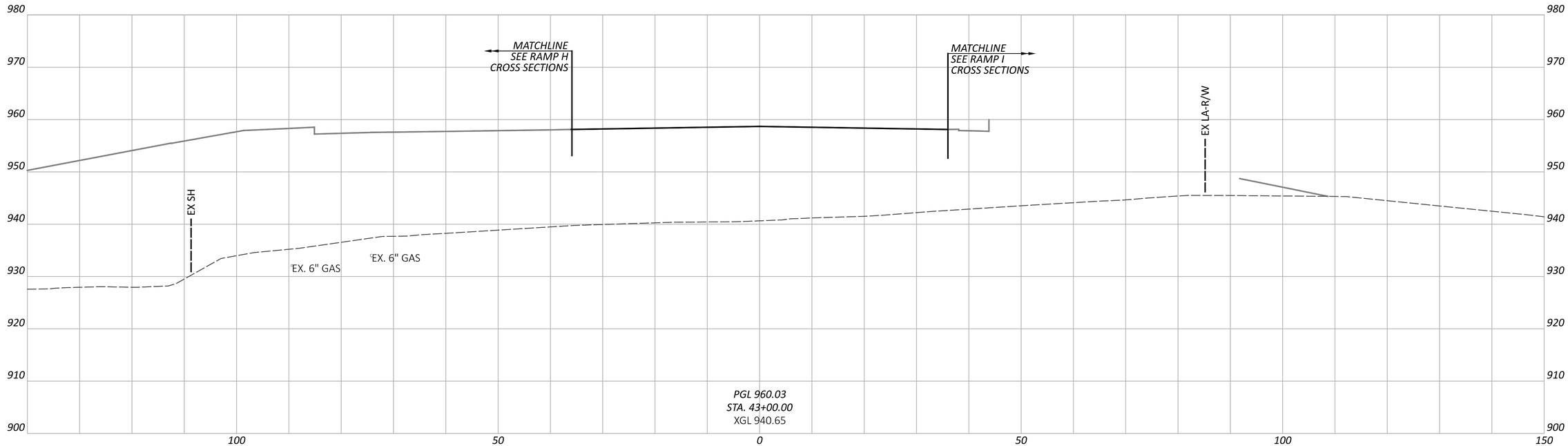

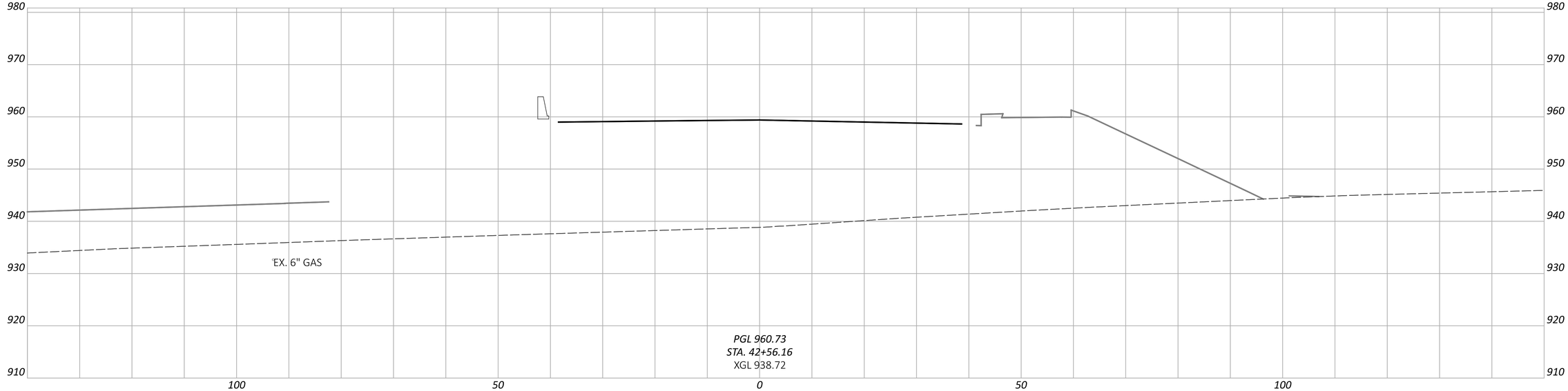

CROSS SECTIONS - TAYLOR RD
STA. 42+56.10 TO STA. 43+00.00

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0897 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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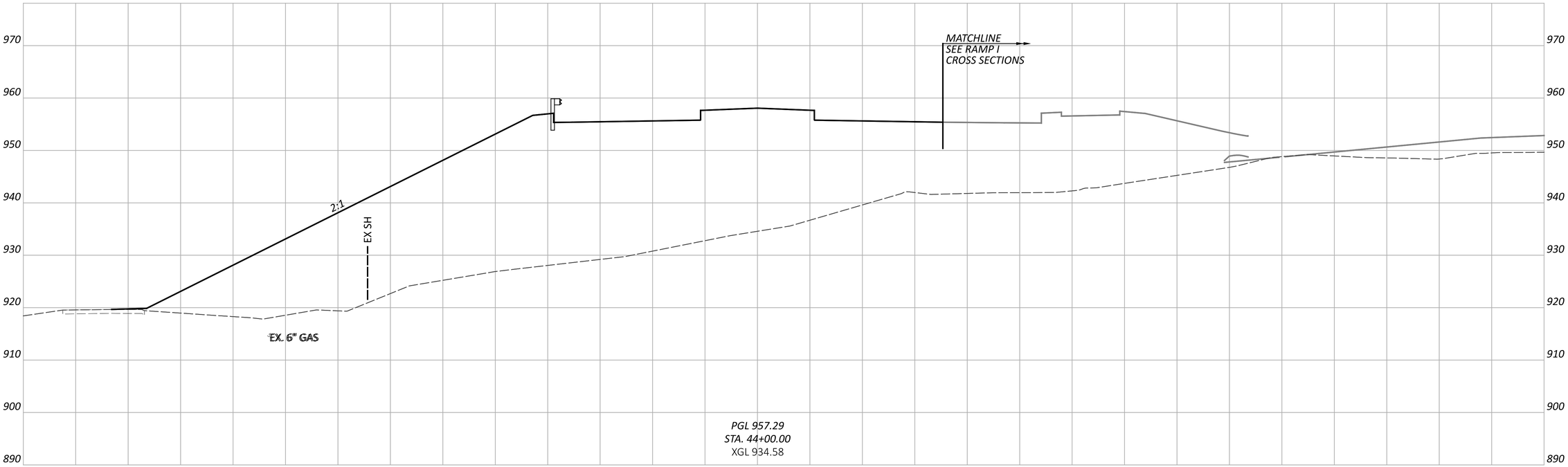

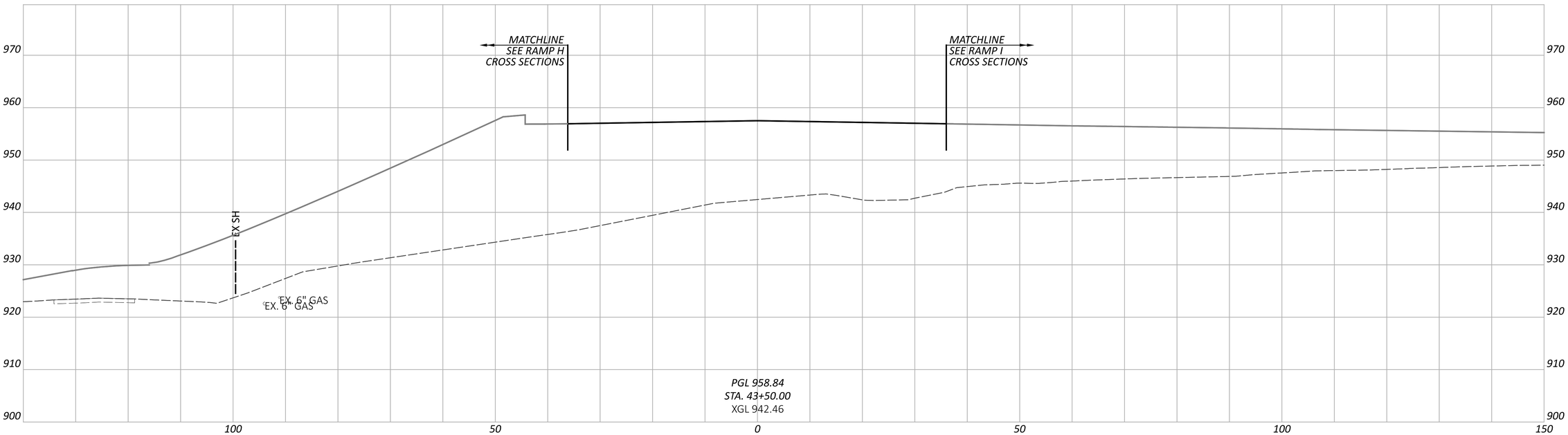

CROSS SECTIONS - TAYLOR RD
STA. 43+50.00 TO STA. 44+00.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0898 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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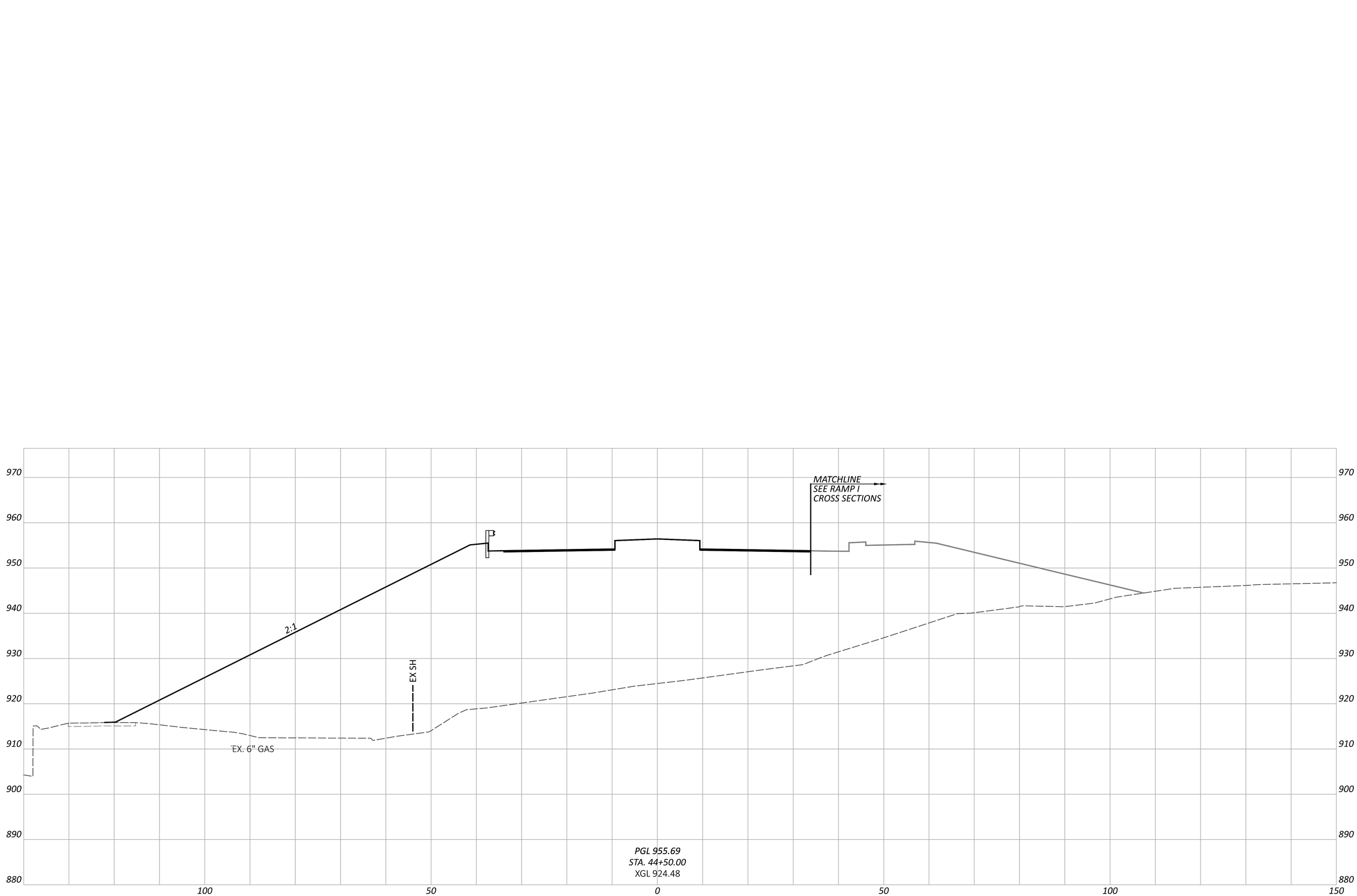


CROSS SECTIONS - TAYLOR RD
STA. 44+50.00

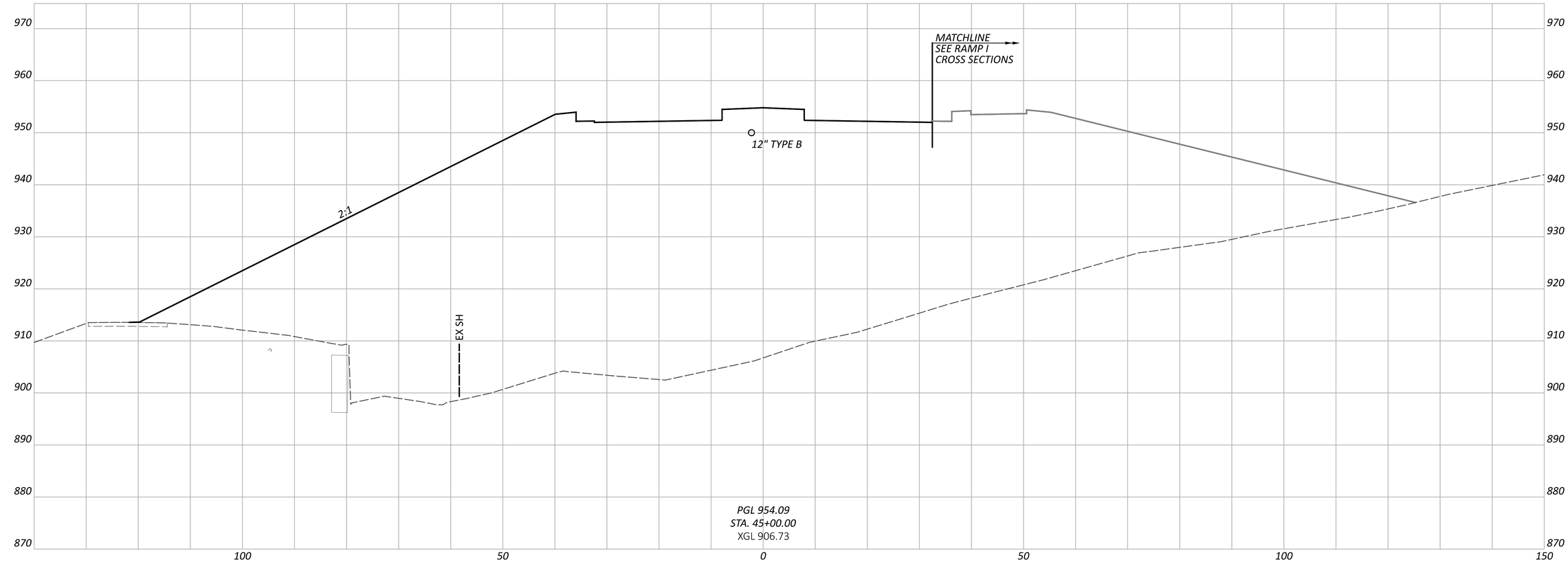
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0899 TOTAL P.1556



CROSS SECTIONS - TAYLOR RD
STA. 45+00.00

FAI/LIC-IR 70-0.00/0.00

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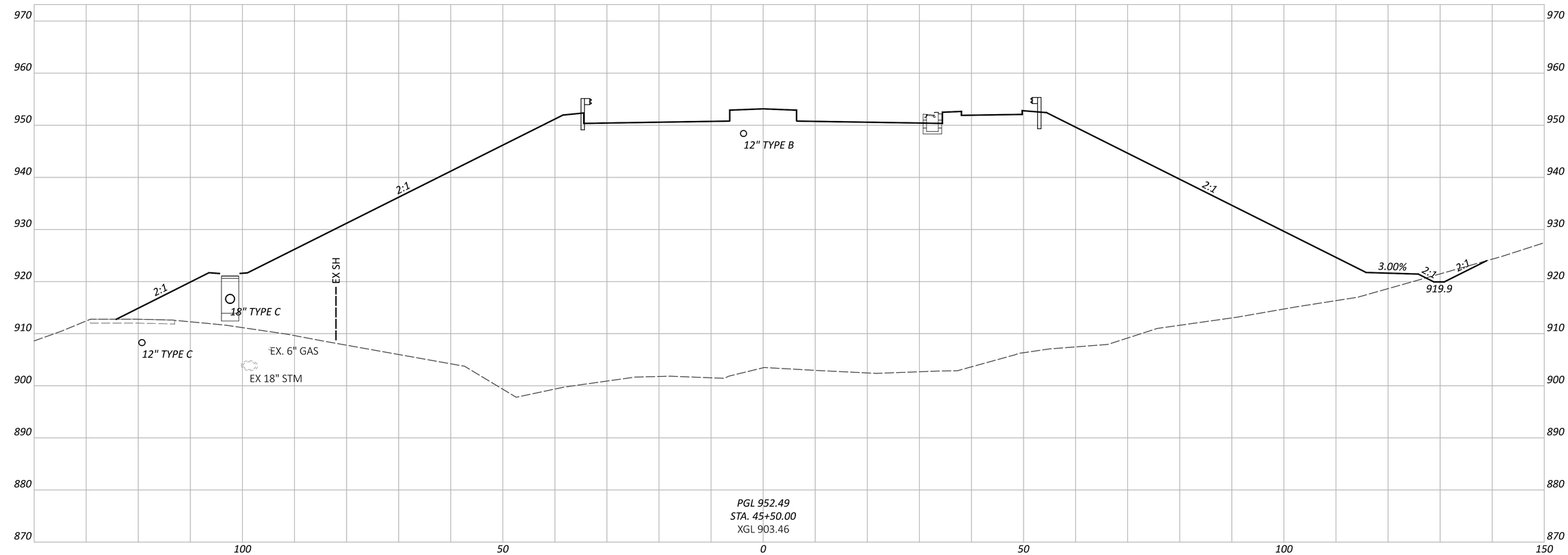
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0900 TOTAL P.1556



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CROSS SECTIONS - TAYLOR RD
STA. 45+50.00

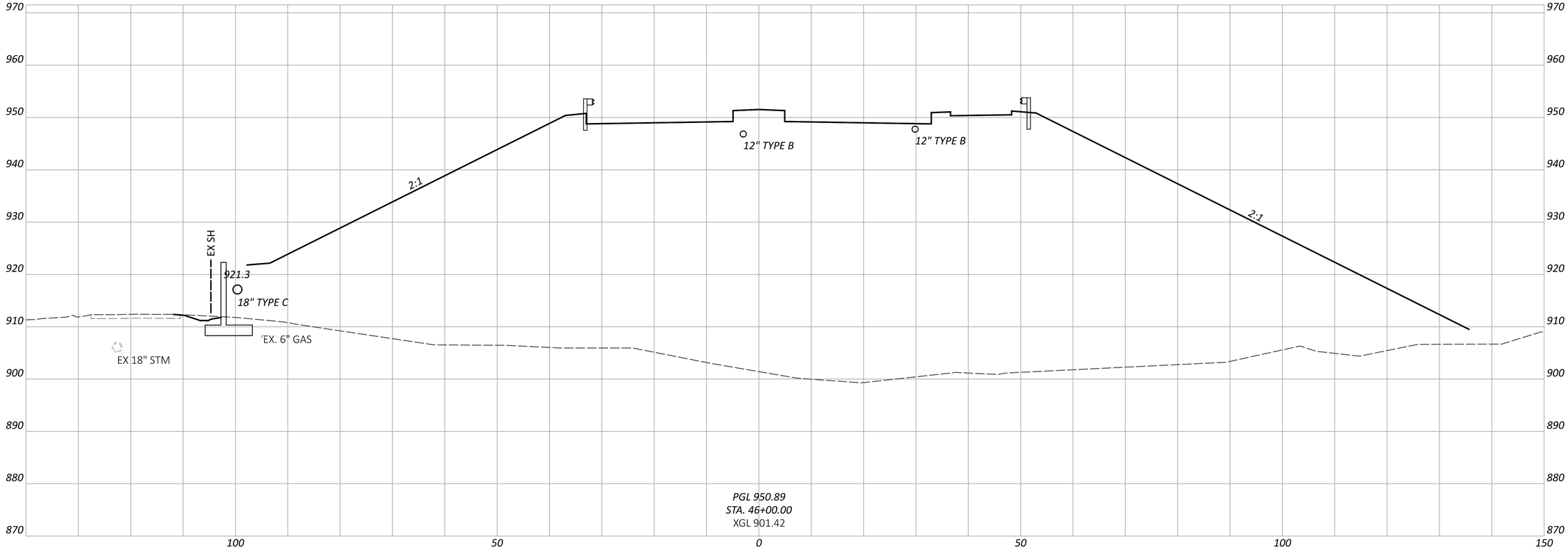
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0901 TOTAL P.1556



CROSS SECTIONS - TAYLOR RD
STA. 46+00.00

FAI/LIC-IR 70-0.00/0.00

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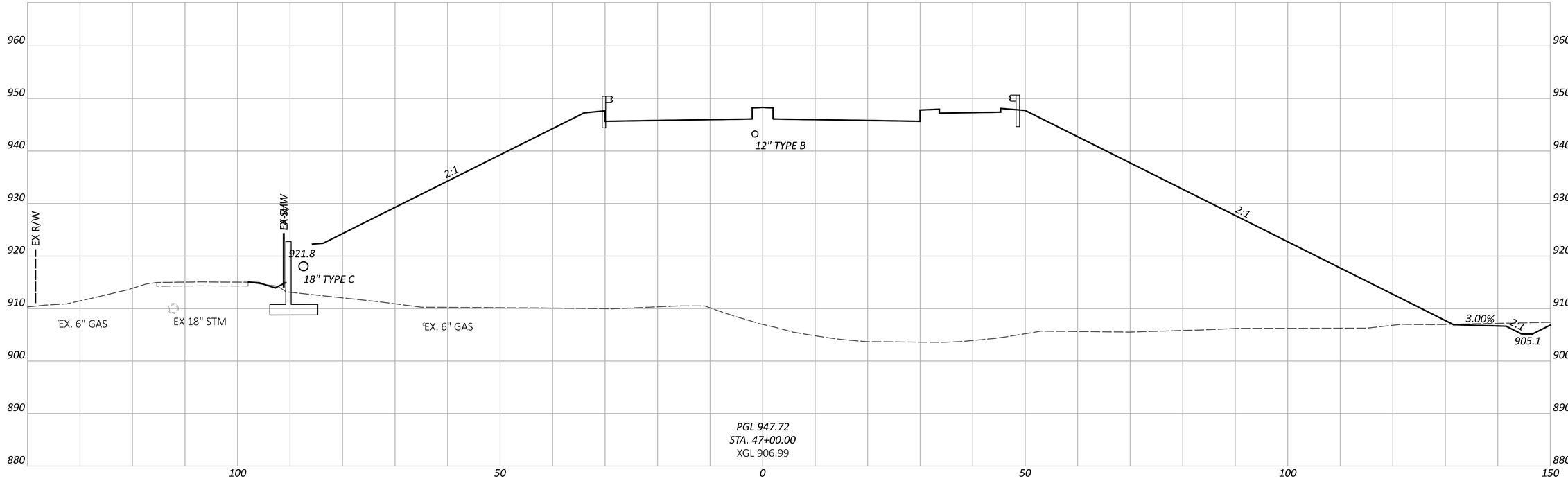
DESIGN AGENCY
STRUCTUREPOINT INC.

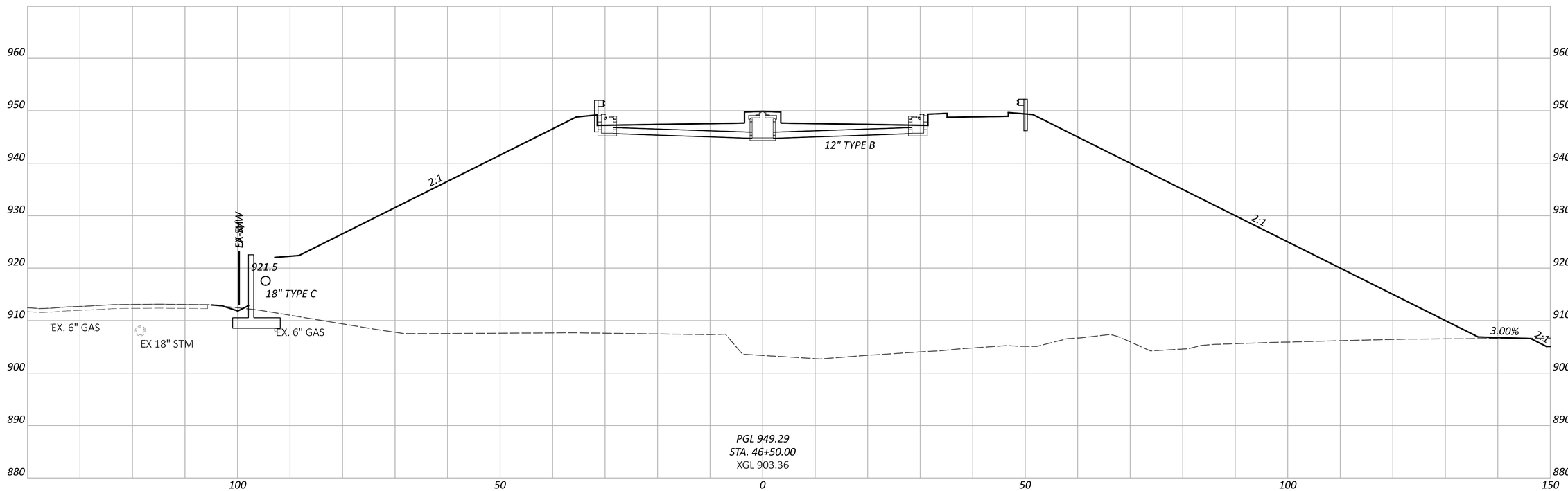
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0902 TOTAL P.1556





CROSS SECTIONS - TAYLOR RD
STA. 46+50.00 TO STA. 47+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - 46+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:33:53 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0903 TOTAL P.1556

CROSS SECTIONS - TAYLOR RD
STA. 47+50.00 TO STA. 48+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0904 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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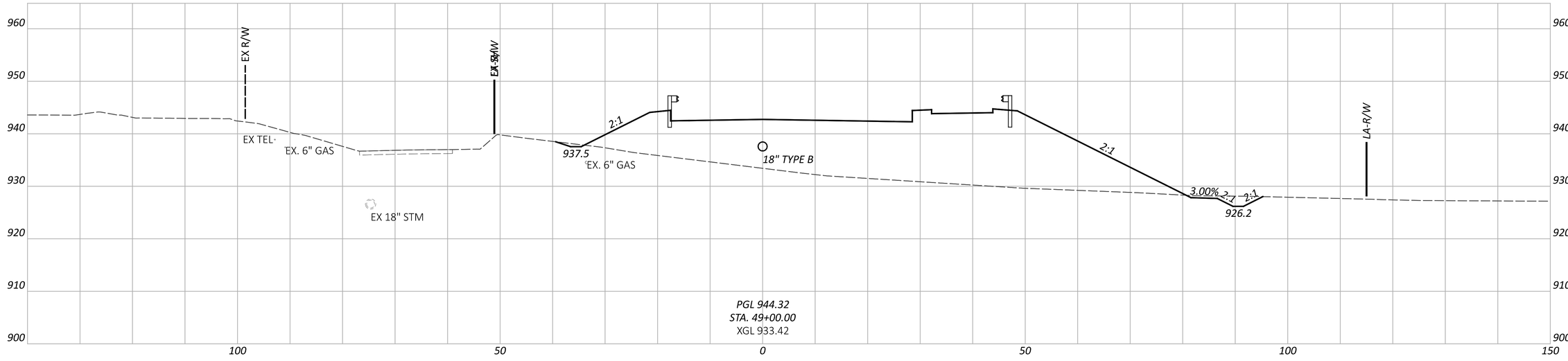

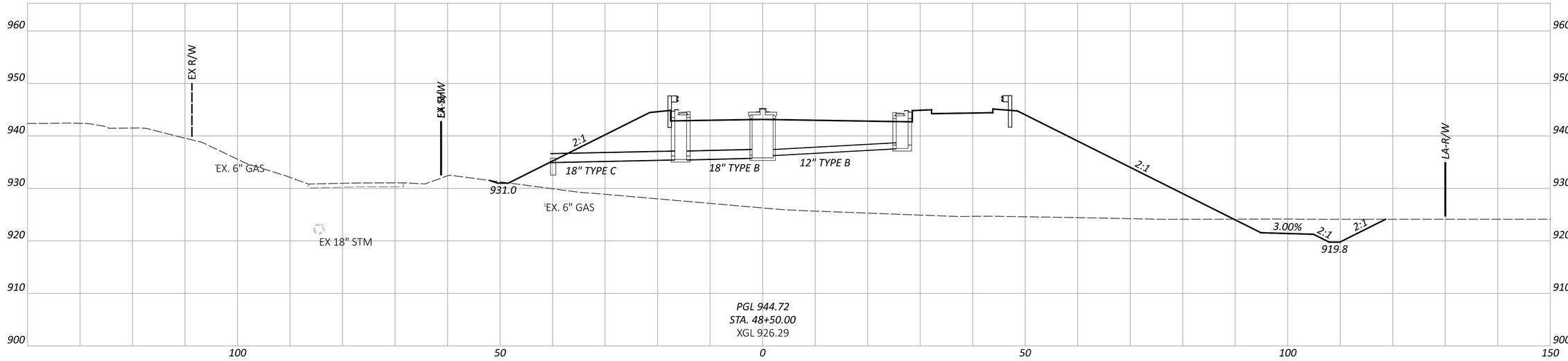

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - TAYLOR RD
STA. 48+50.00 TO STA. 49+00.00

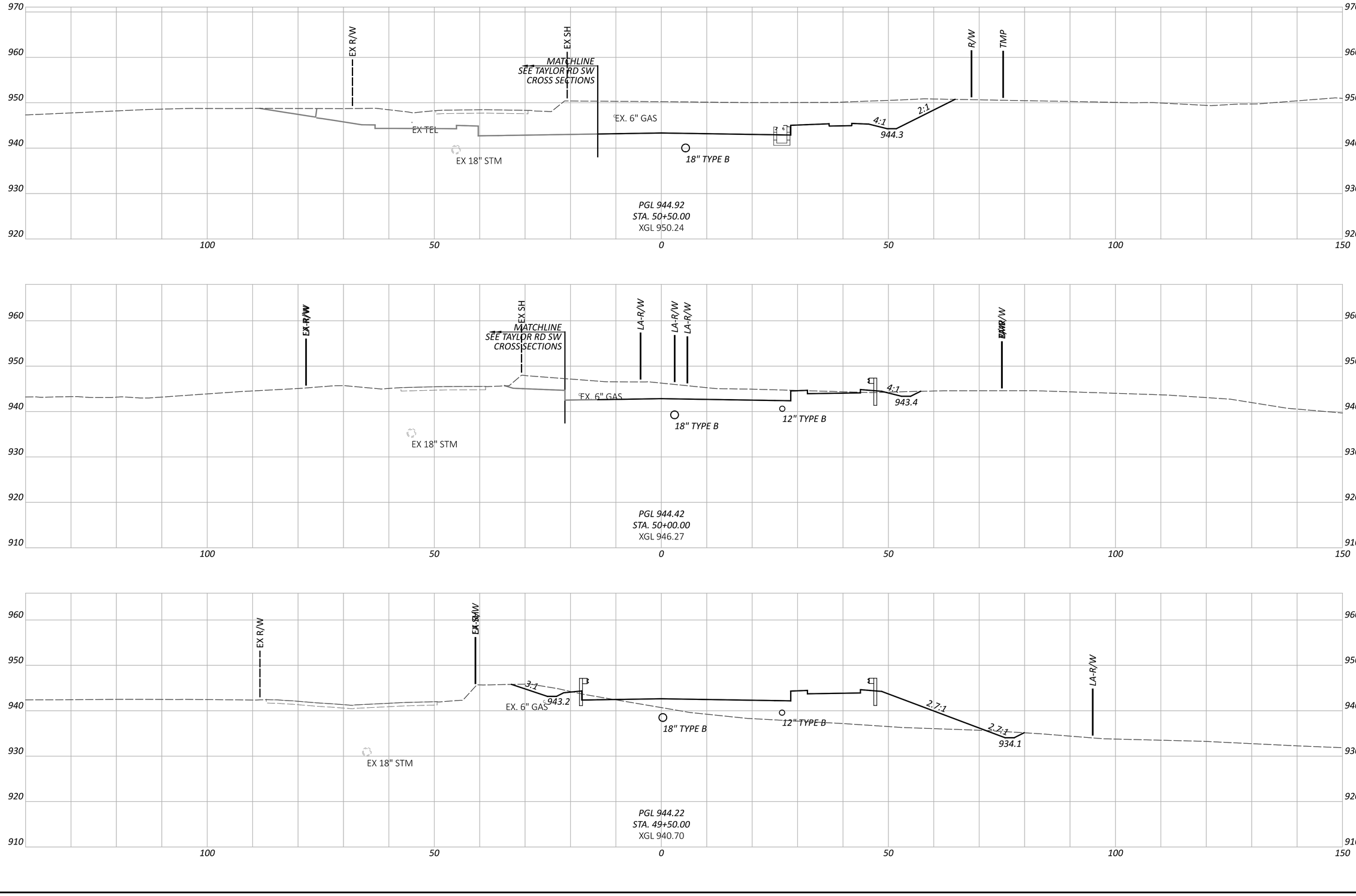
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0905 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - TAYLOR RD
STA. 49+50.00 TO STA. 50+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0906 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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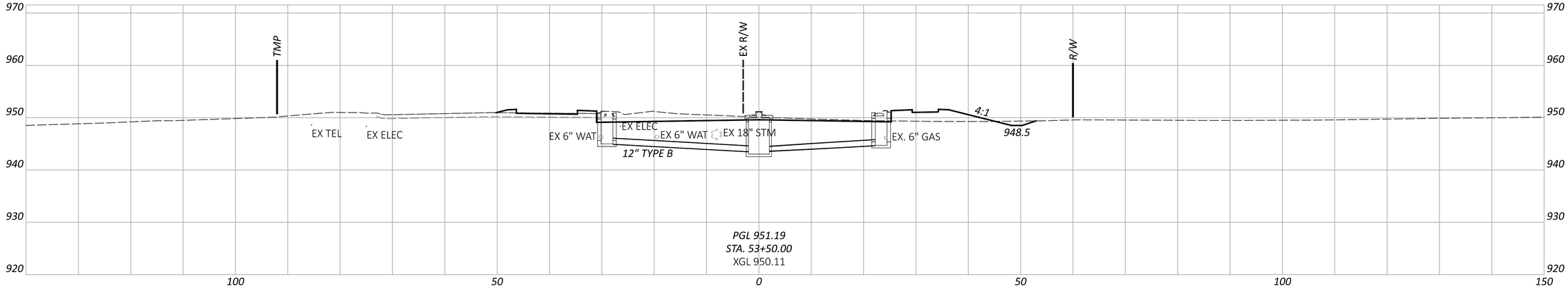
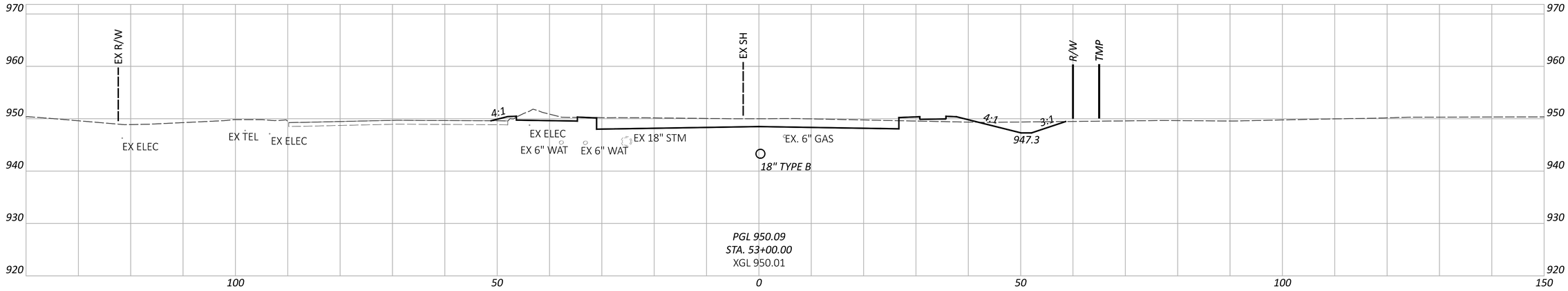
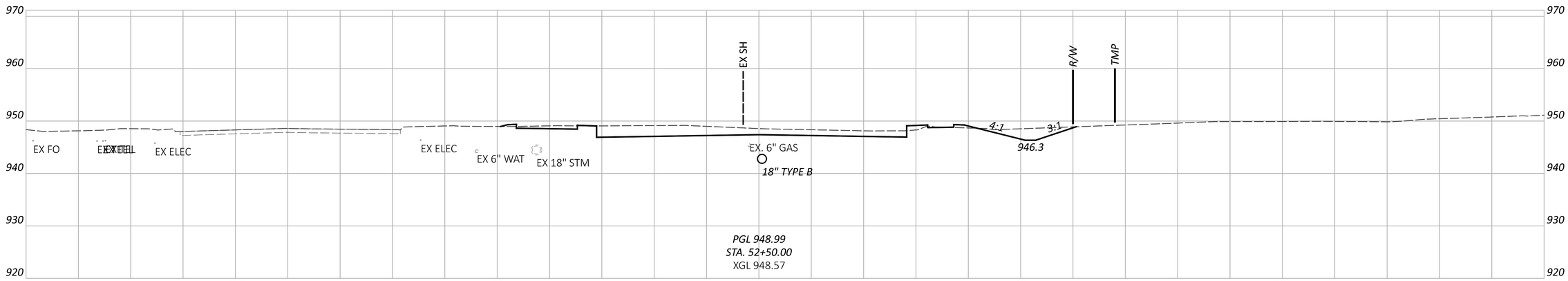
CROSS SECTIONS - TAYLOR RD
STA. 51+00.00 TO STA. 52+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0907
TOTAL	P.1556







CROSS SECTIONS - TAYLOR RD
STA. 52+50.00 TO STA. 53+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0908
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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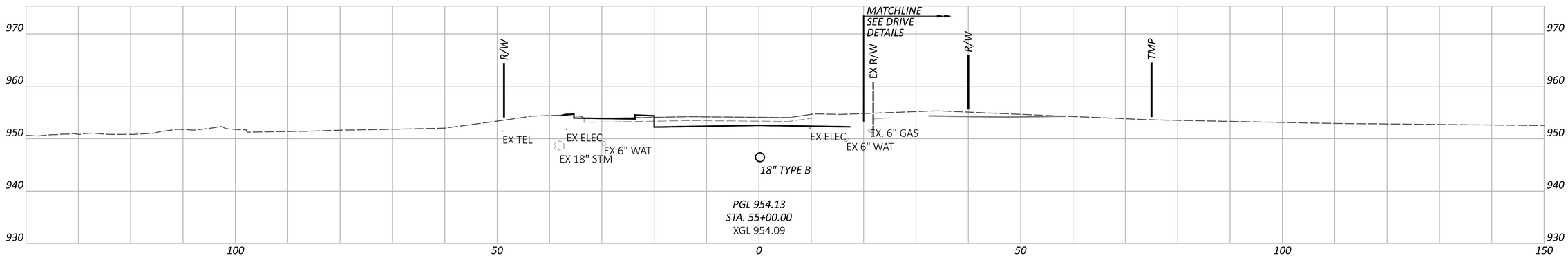

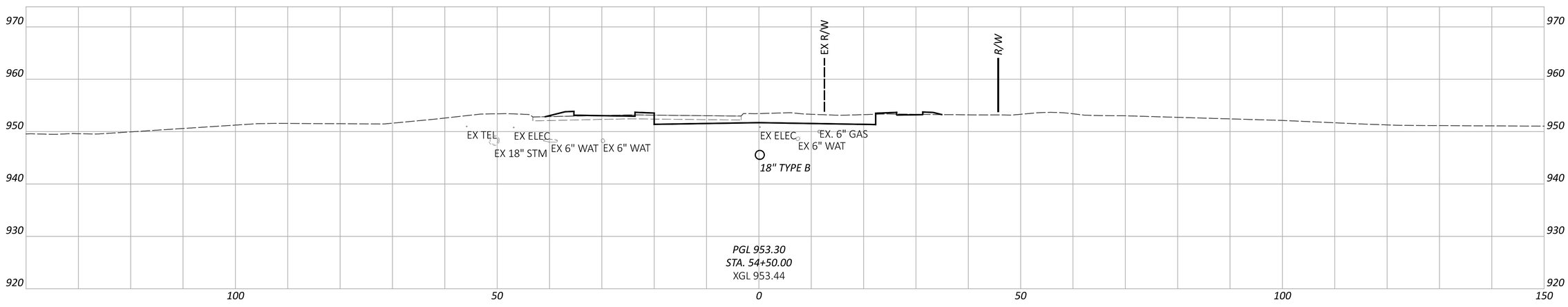

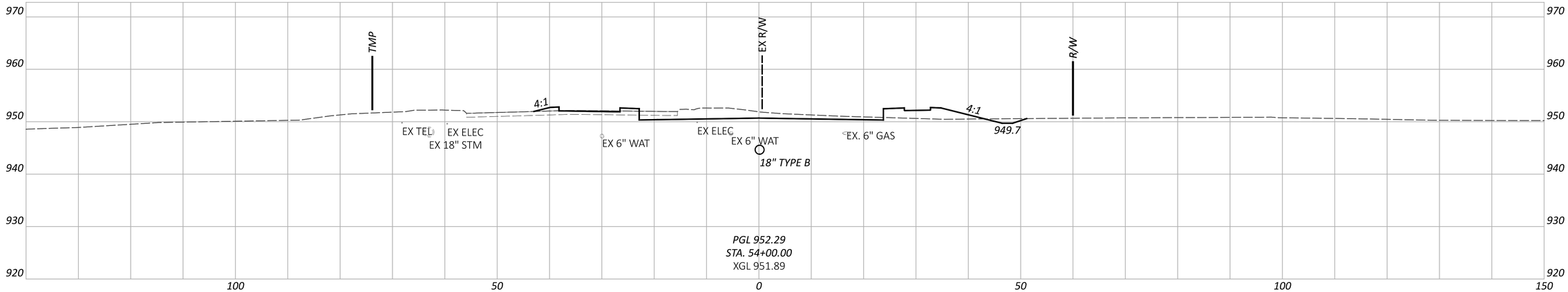

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CROSS SECTIONS - TAYLOR RD
STA. 54+00.00 TO STA. 55+00.00

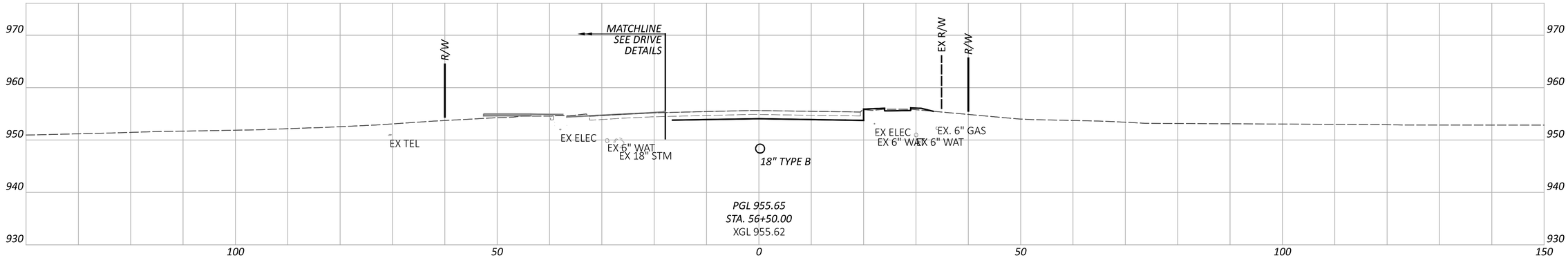
DESIGN AGENCY
STRUCTUREPOINT

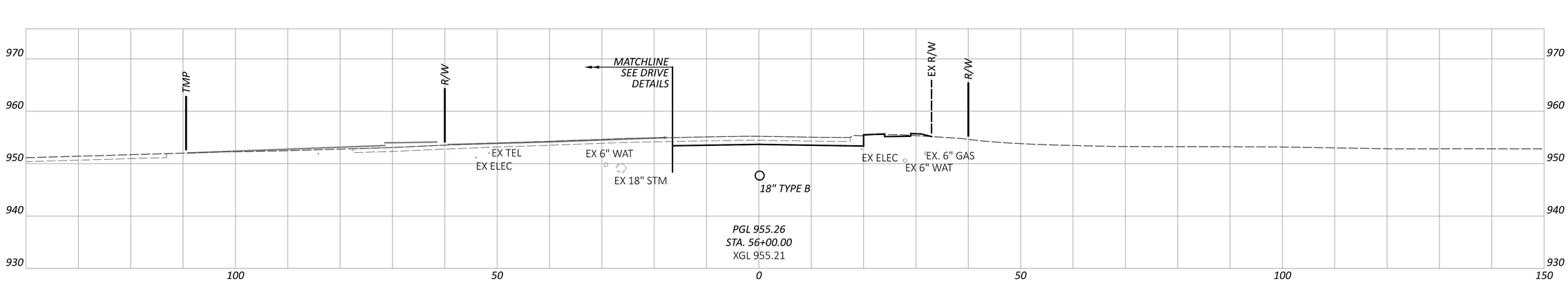
DESIGNER
BER

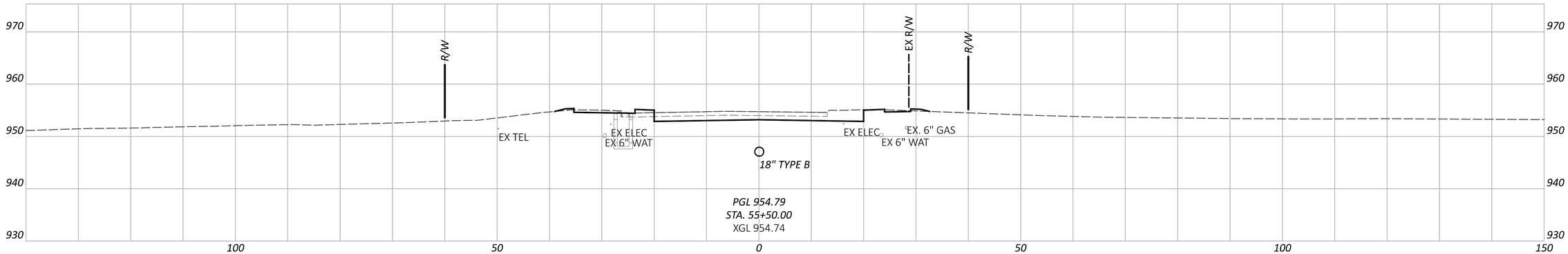
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0909 TOTAL P.1556







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CROSS SECTIONS - TAYLOR RD
STA. 55+50.00 TO STA. 56+50.00

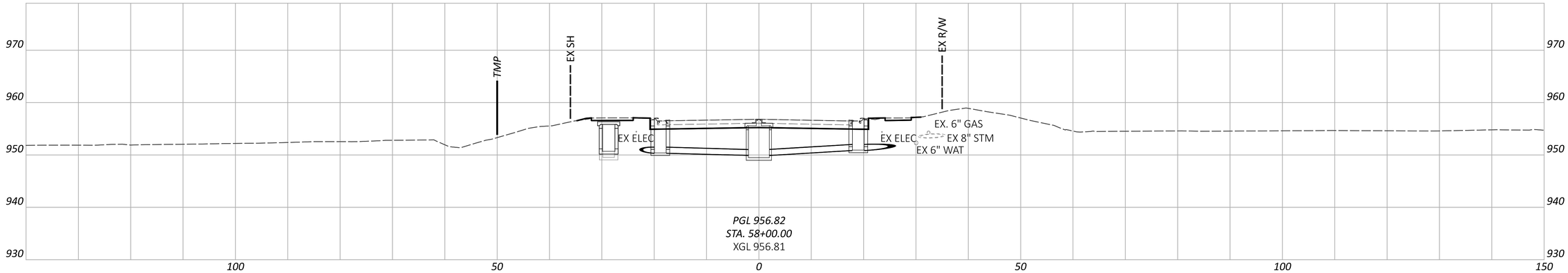
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

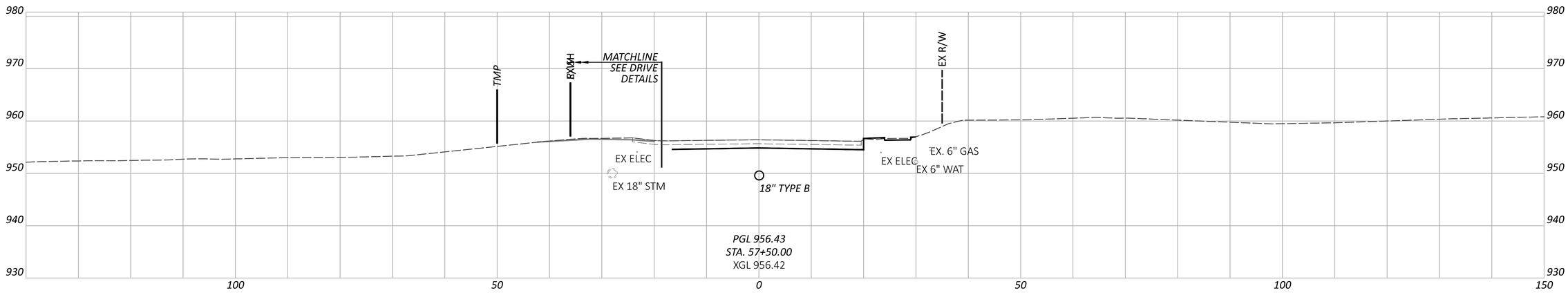
DESIGNER
BER

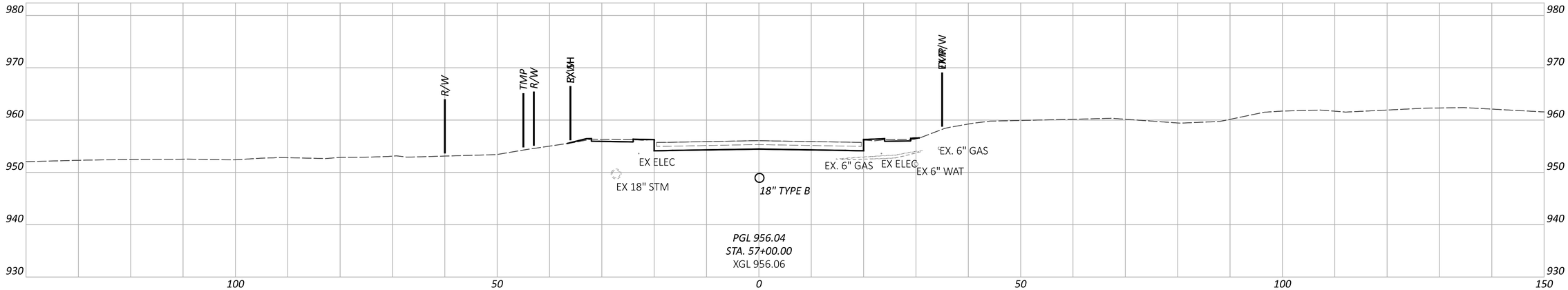
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0910 TOTAL P.1556







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CROSS SECTIONS - TAYLOR RD
STA. 57+00.00 TO STA. 58+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0911 TOTAL P.1556

MODEL: CLP_TAYLOR - 58+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:34:25 AM USER: brieder
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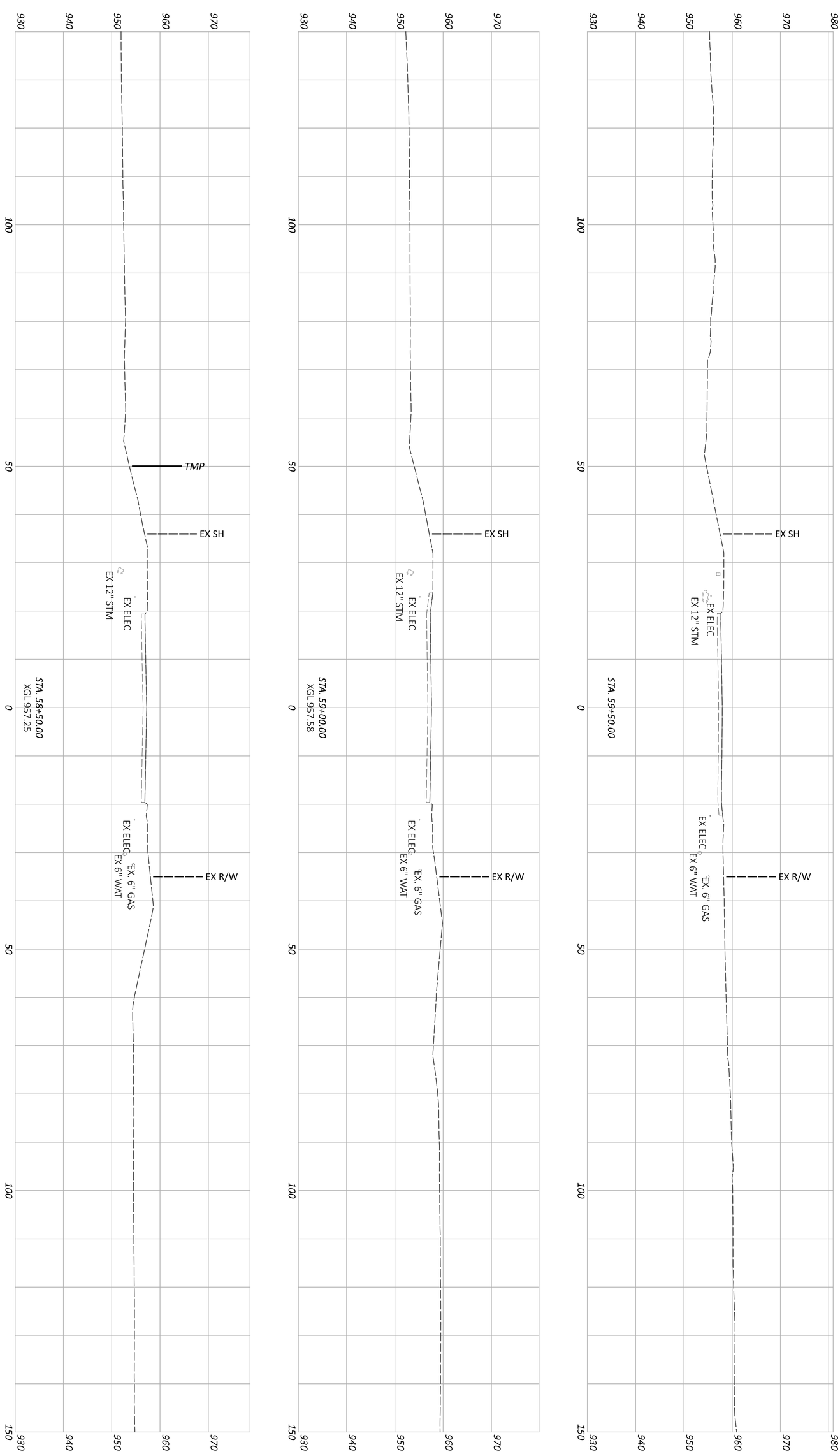


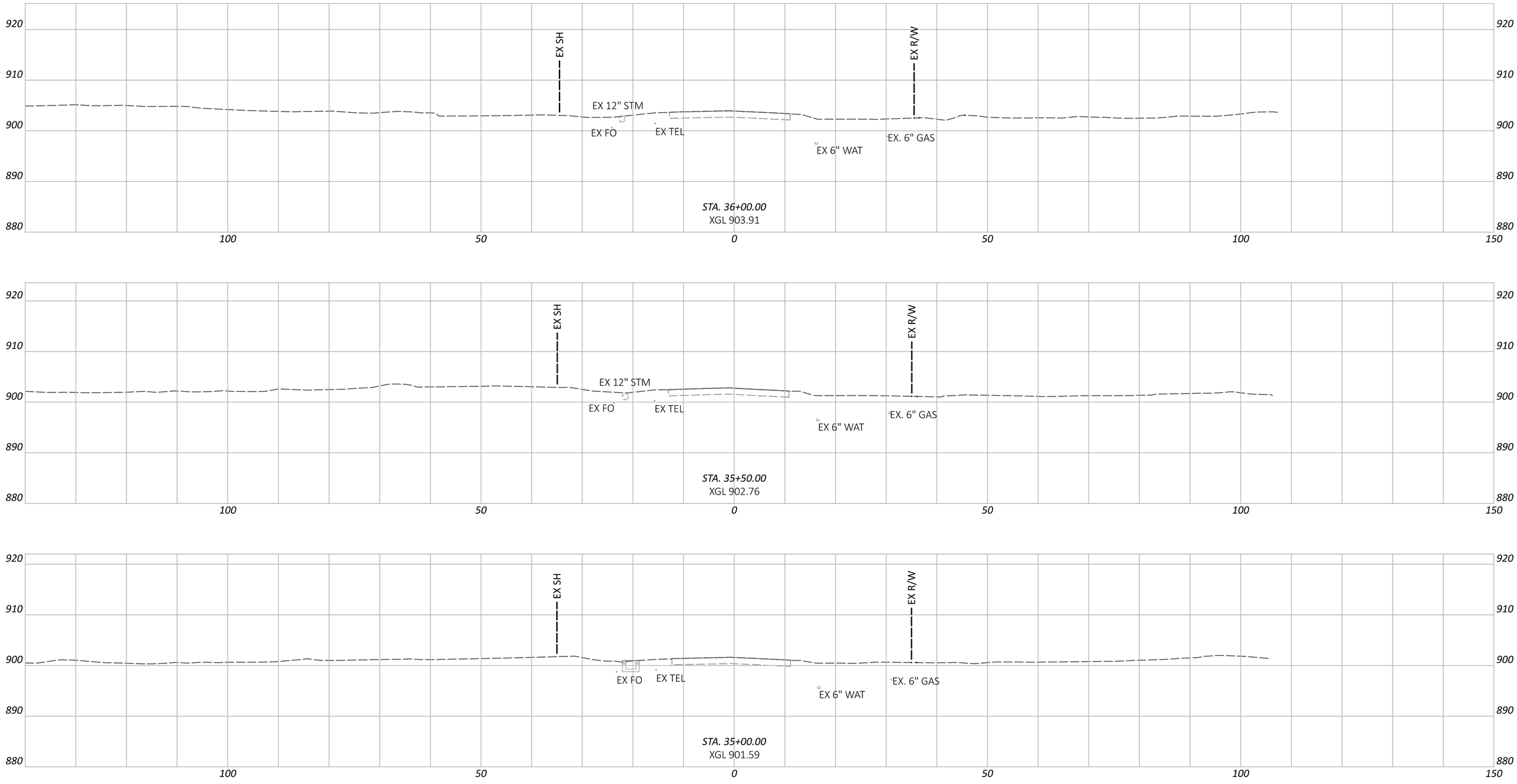
SHEET	TOTAL
P 0912	P 1556

PROJECT ID	REVIEWER
96808	KAM 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

CROSS SECTIONS - TAYLOR RD
STA. 58+50.00 TO STA. -0+50.00



FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS -SR 204
STA. 35+00.00 TO STA. 36+00.00

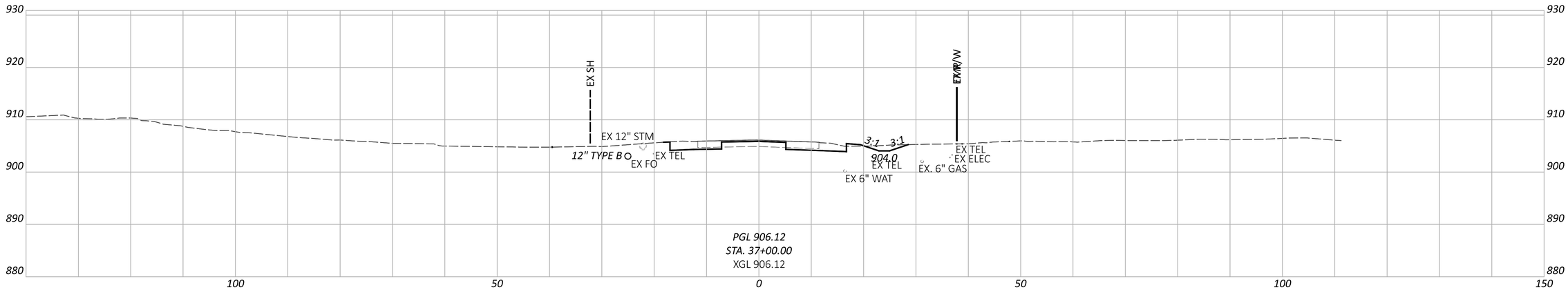
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

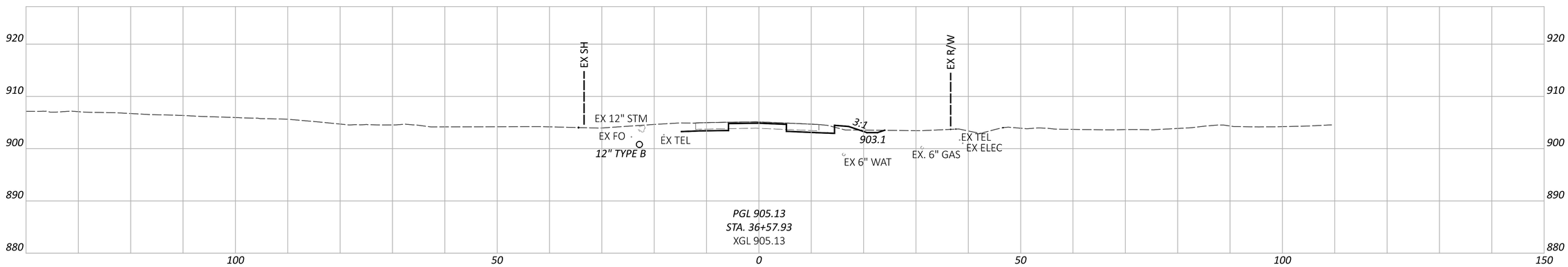
DESIGNER
BER

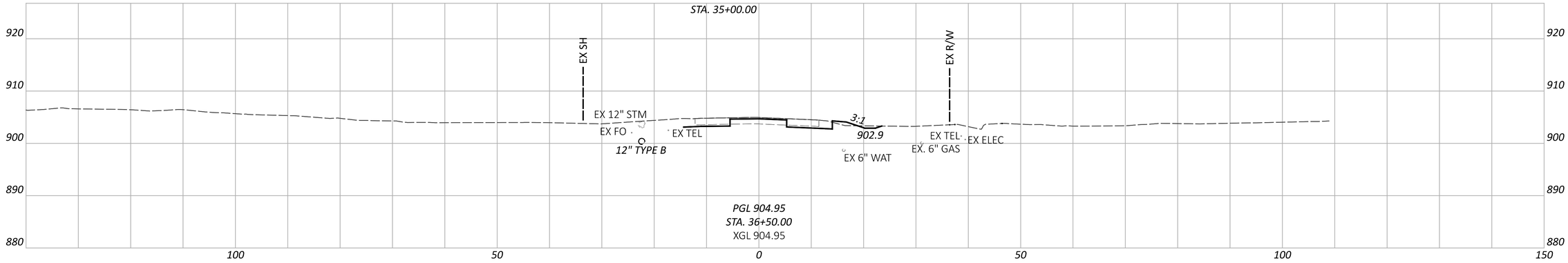
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0913 TOTAL P.1556







CROSS SECTIONS -SR 204
STA. 36+50.00 TO STA. 37+00.00

FAI/LIC-IR 70-0.00/0.00

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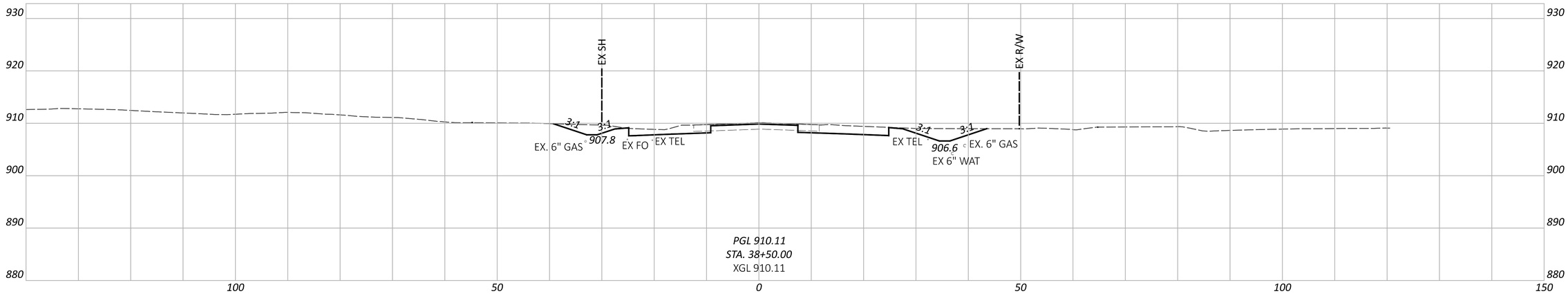
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

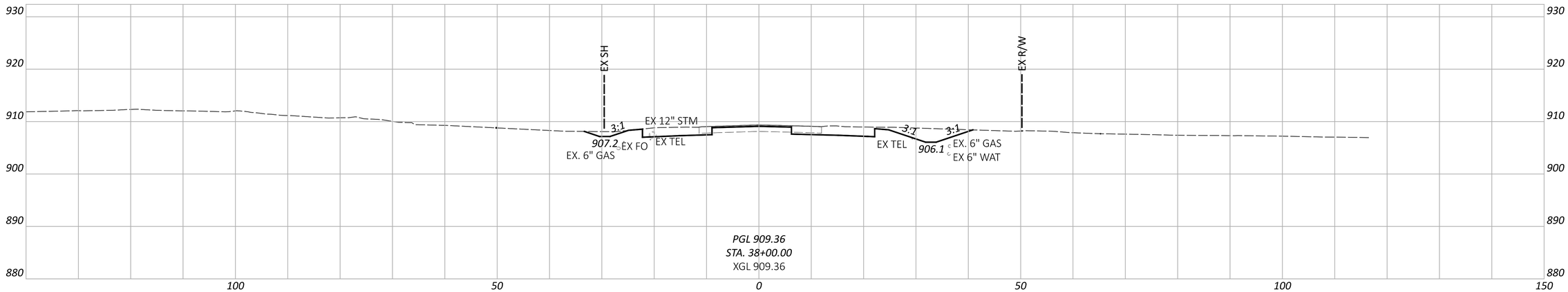
DESIGNER
BER

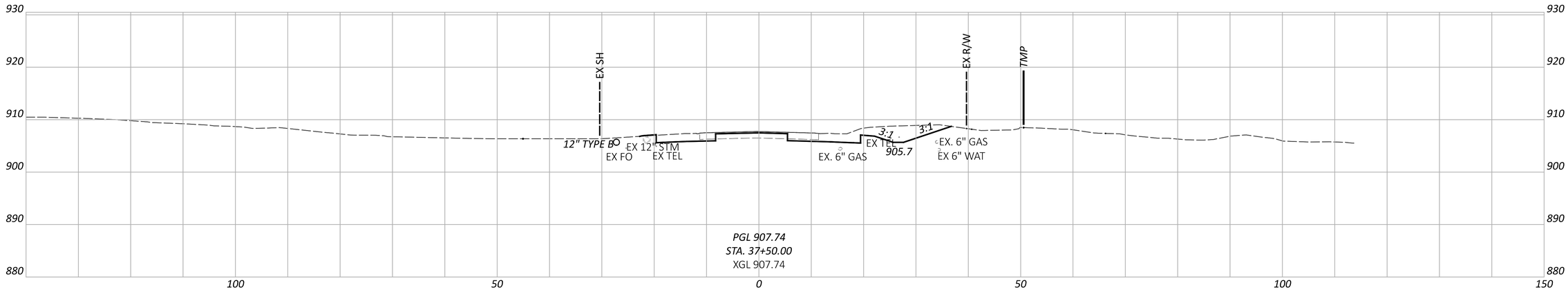
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0914 | TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS -SR 204
STA. 37+50.00 TO STA. 38+50.00

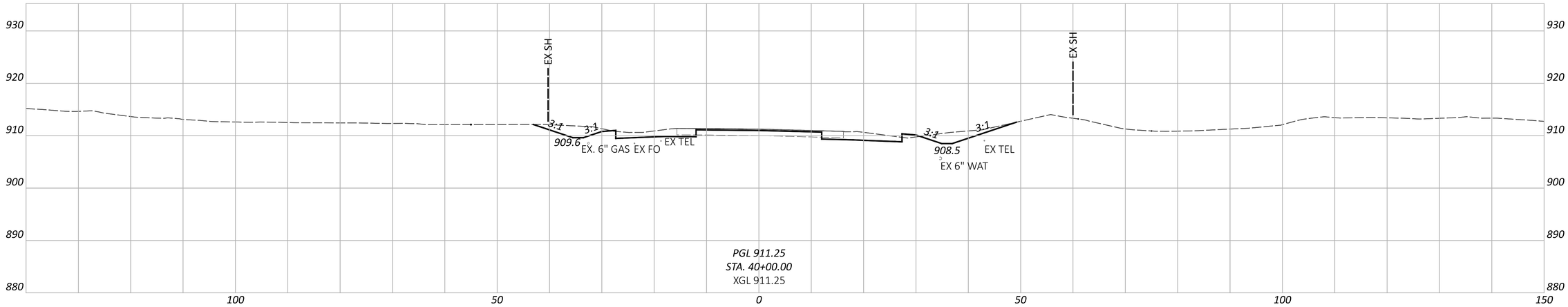
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

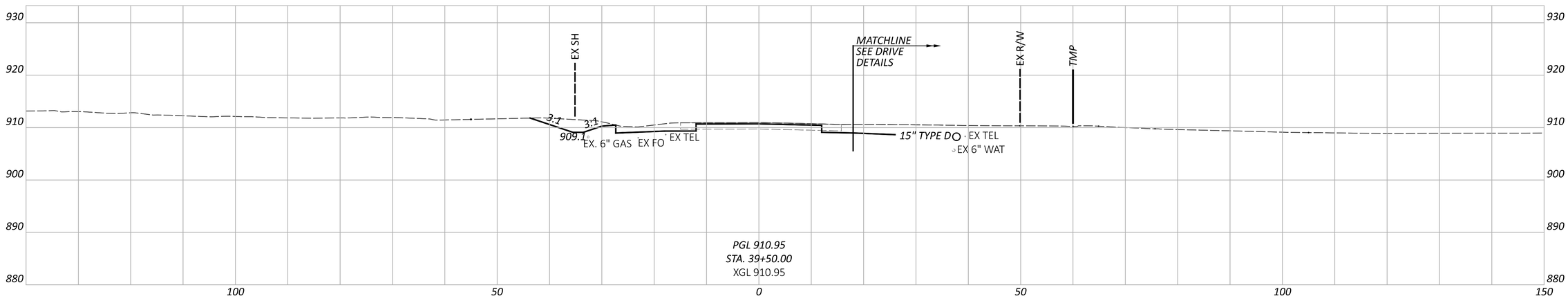
DESIGNER
BER

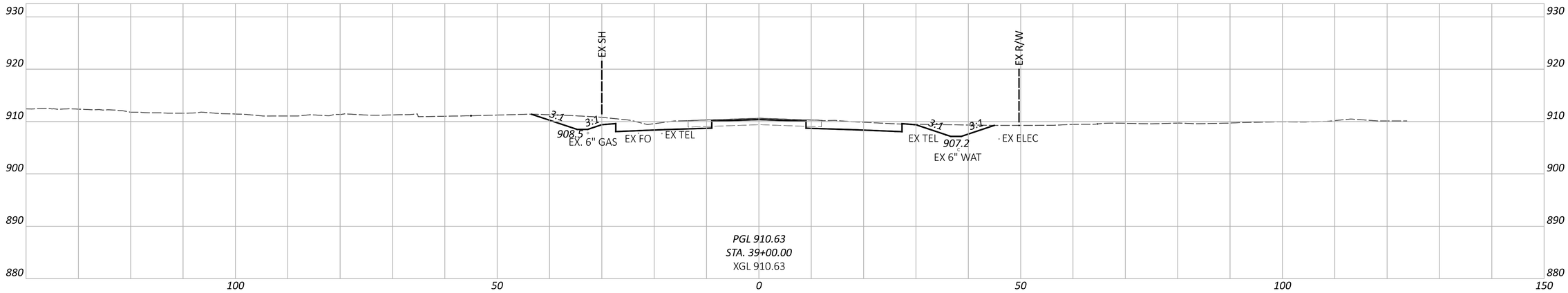
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0915 TOTAL P.1556







CROSS SECTIONS -SR 204
STA. 39+00.00 TO STA. 40+00.00

FAI/LIC-IR 70-0.00/0.00

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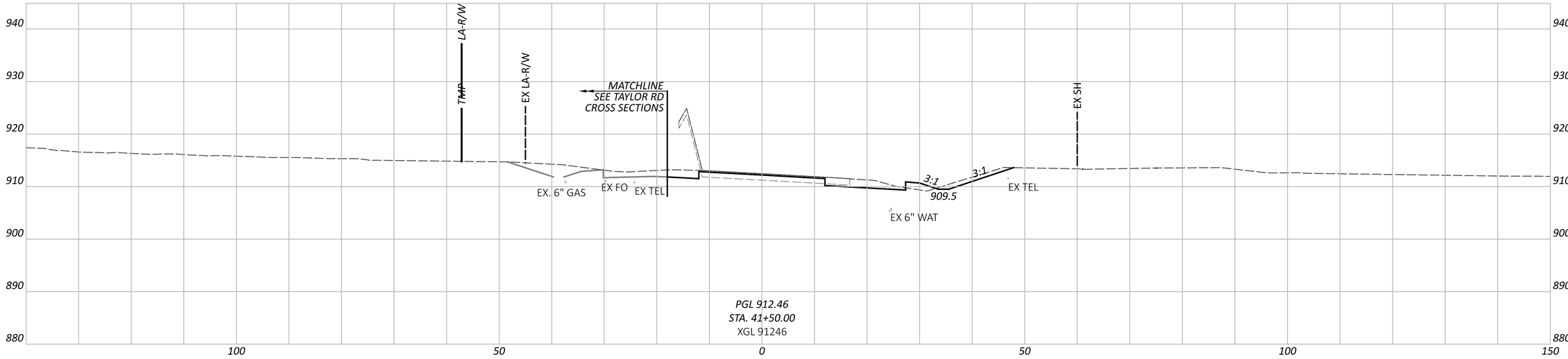
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

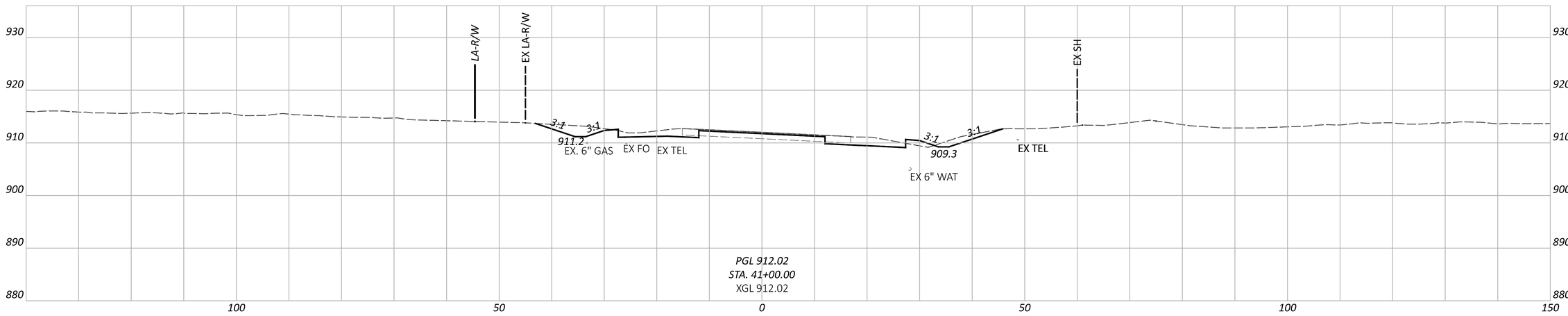
DESIGNER
BER

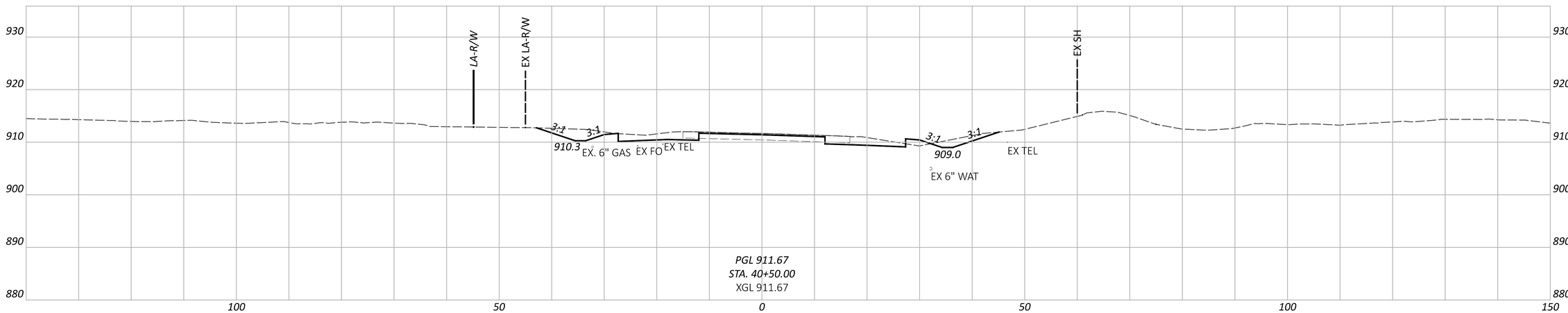
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0916 TOTAL P.1556







CROSS SECTIONS -SR 204
STA. 40+50.00 TO STA. 41+50.00

FAI/LIC-IR 70-0.00/0.00

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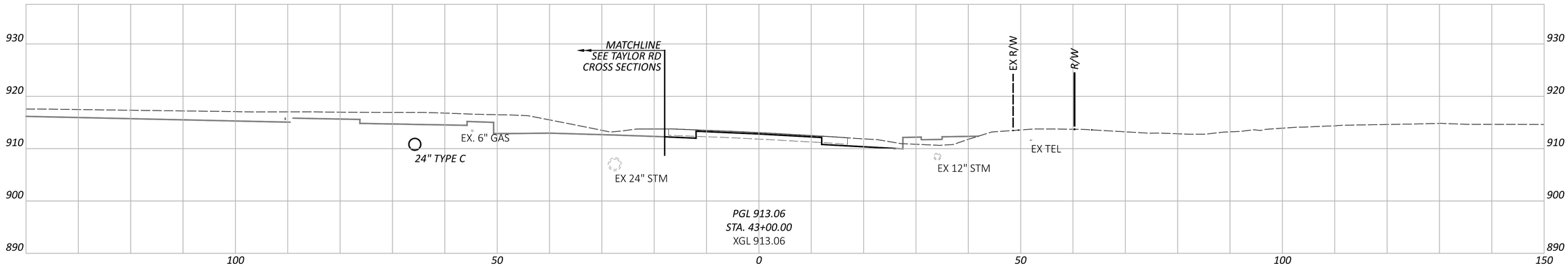
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

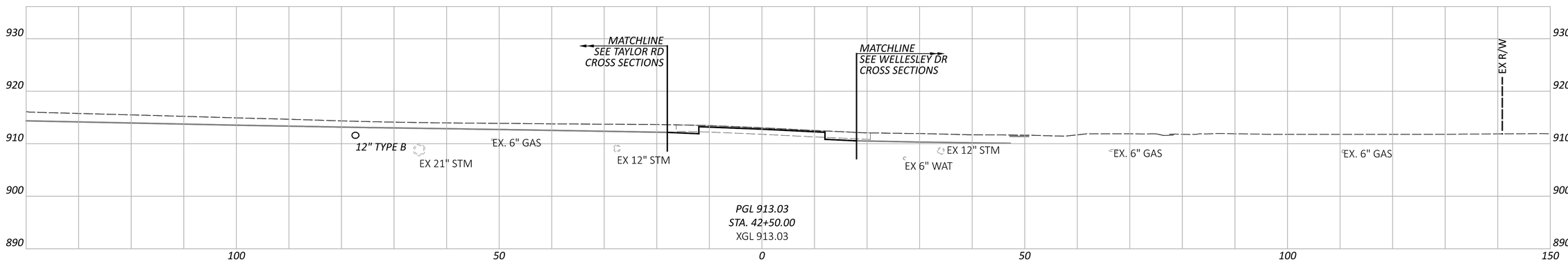
DESIGNER
BER

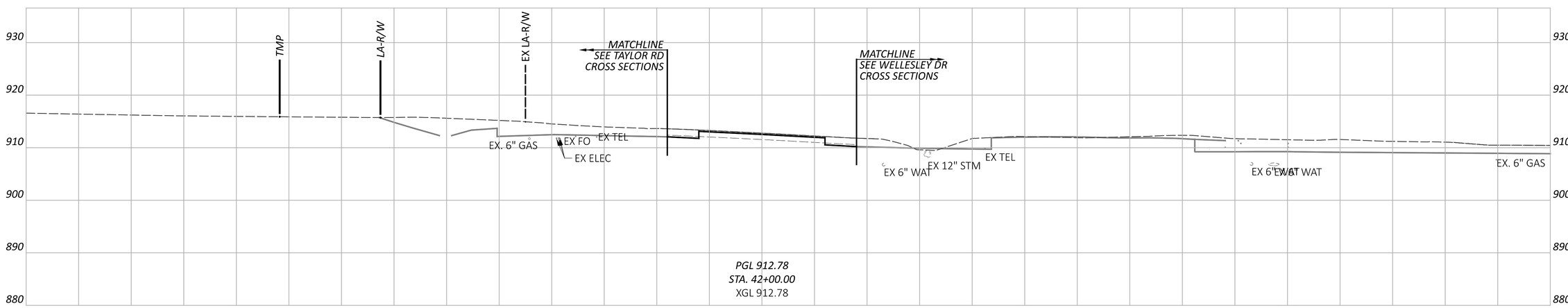
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0917 TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS -SR 204
STA. 42+00.00 TO STA. 43+00.00

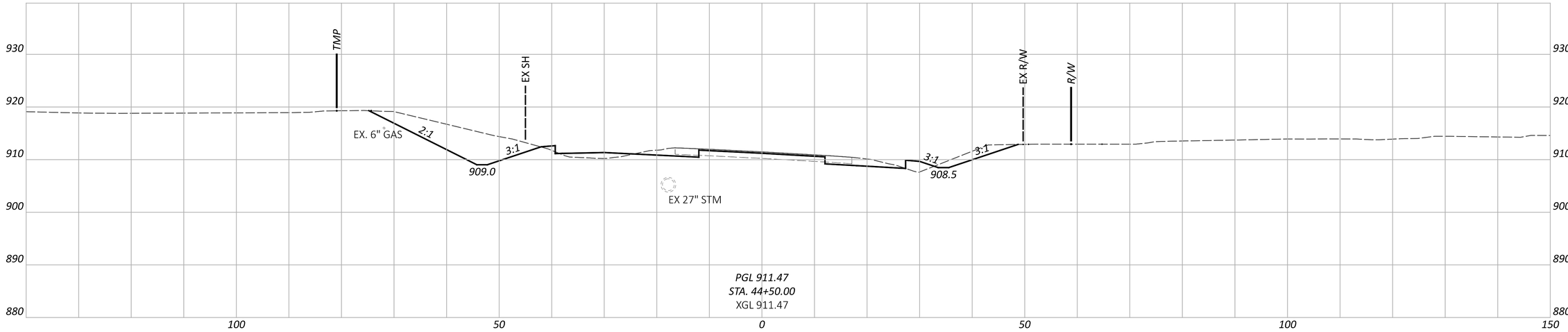
DESIGN AGENCY
STRUCTUREPOINT LLC

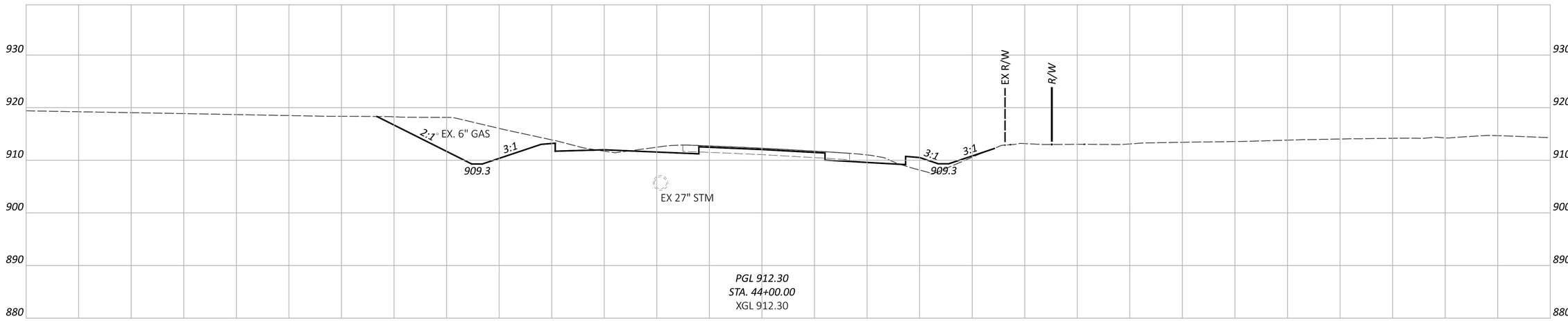
DESIGNER
BER

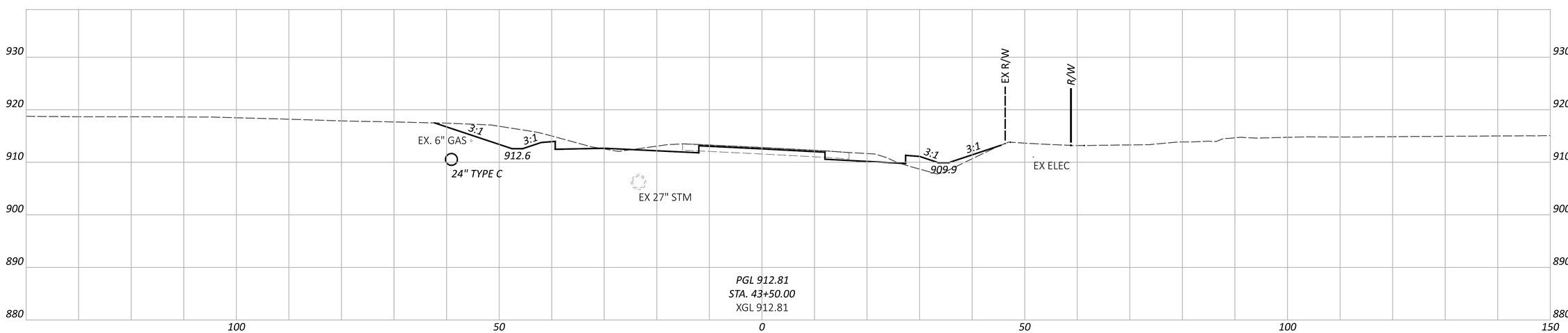
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0918 TOTAL P.1556







CROSS SECTIONS -SR 204
STA. 43+50.00 TO STA. 44+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - 43+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:35:25 AM USER: brieder
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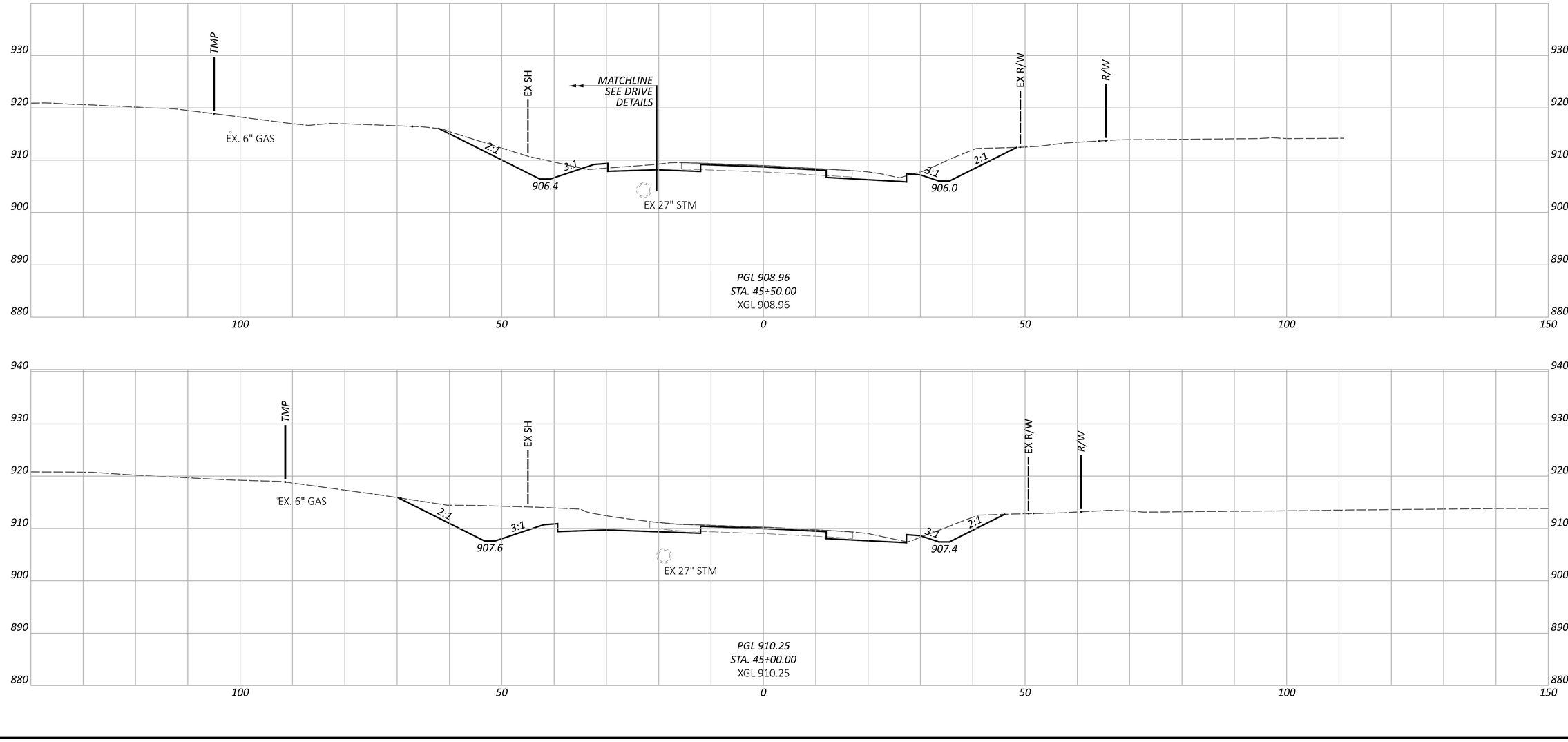
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0919 TOTAL P.1556



CROSS SECTIONS -SR 204
STA. 45+00.00 TO STA. 45+50.00

FAI/LIC-IR 70-0.00/0.00

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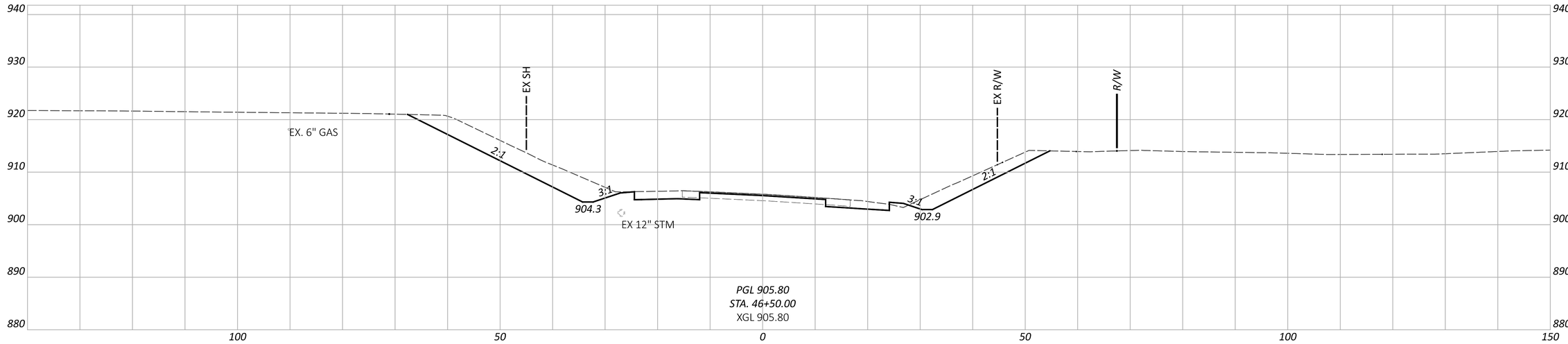
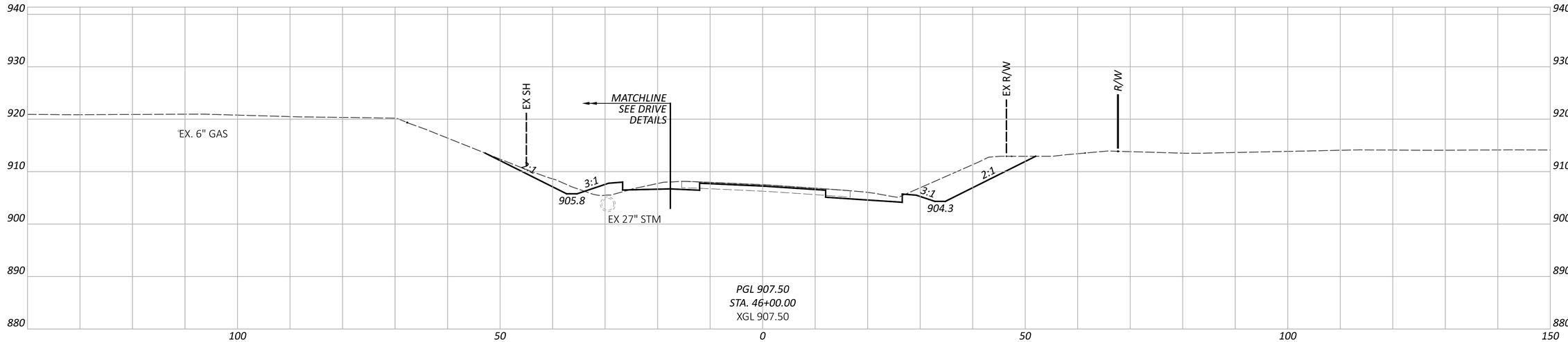
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0920
TOTAL	P.1556





CROSS SECTIONS -SR 204
STA. 46+00.00 TO STA. 46+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0921 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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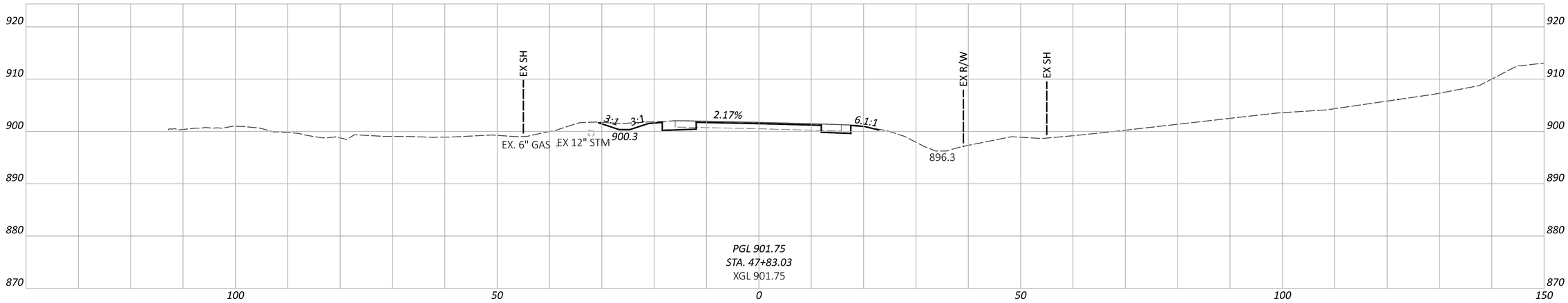

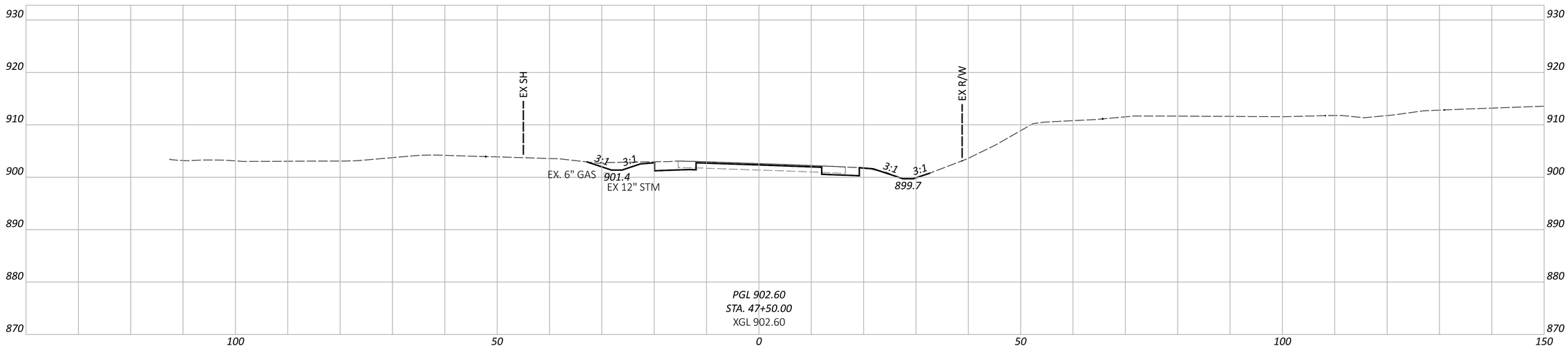

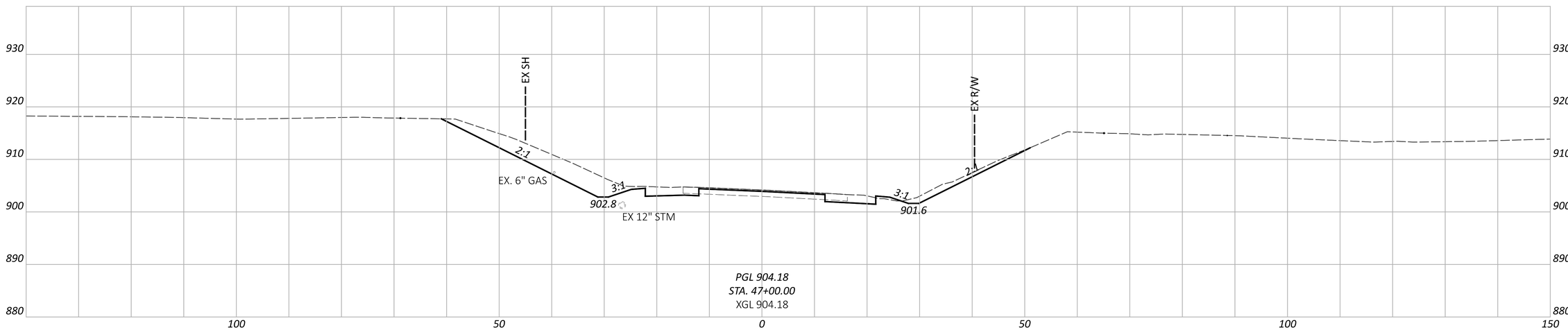

CROSS SECTIONS -SR 204
STA. 47+00.00 TO STA. 47+50.00

DESIGN AGENCY
MIDEAN STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0922 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_S204 - 47+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:35:36 AM USER: brieder
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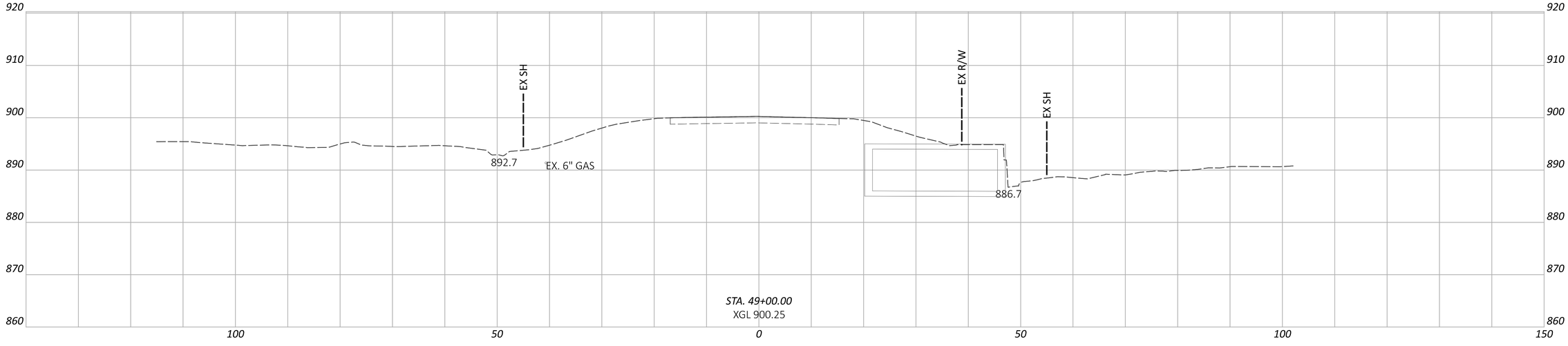

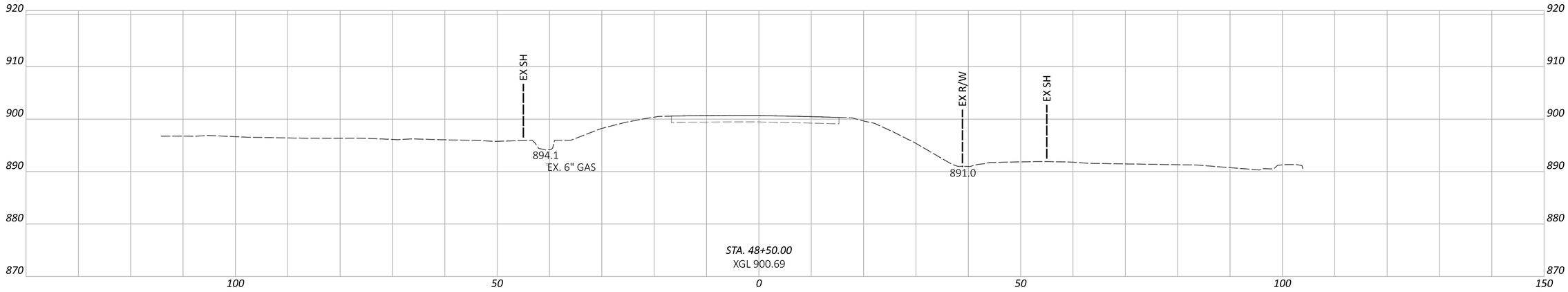

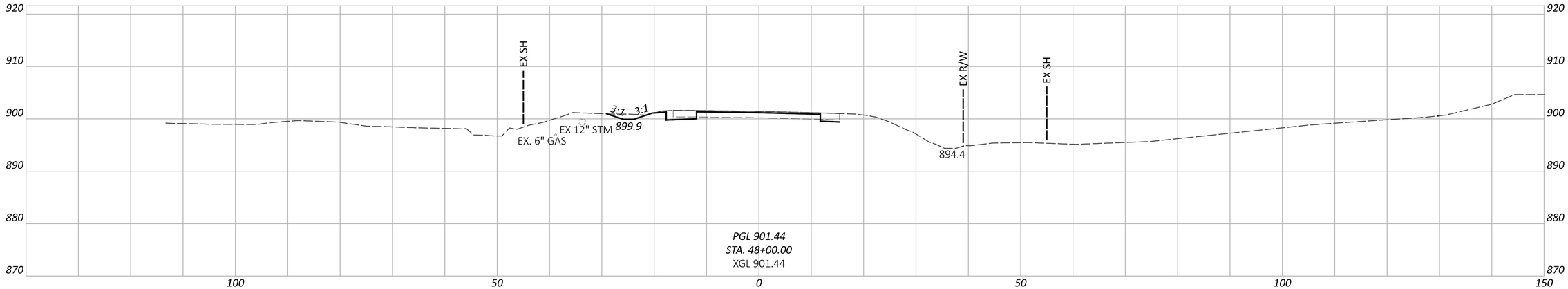

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS -SR 204
STA. 48+00.00 TO STA. 49+00.00

DESIGN AGENCY
MICHAEL BAKER INTERNATIONAL
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0923
TOTAL	P.1556

CROSS SECTIONS - WELLESLEY DR
STA. 12+00.00 TO STA. 13+00.00

FAI/LIC-IR 70-0.00/0.00

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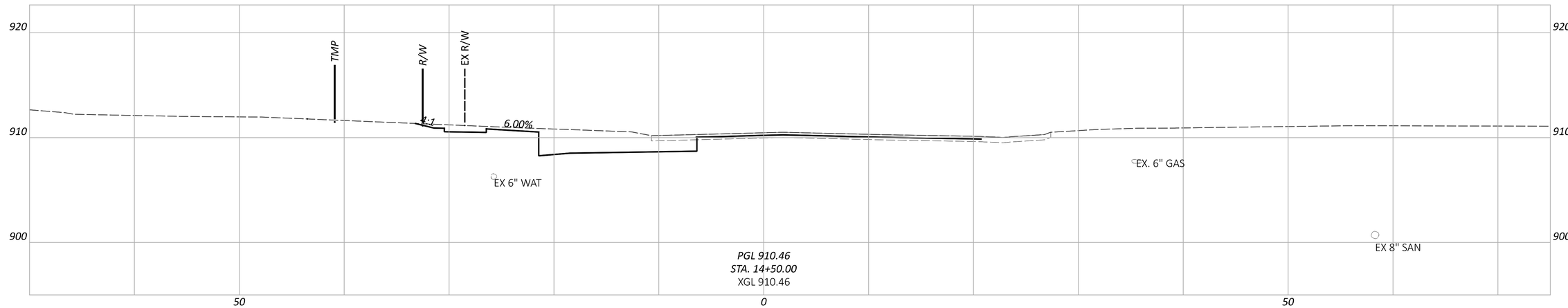
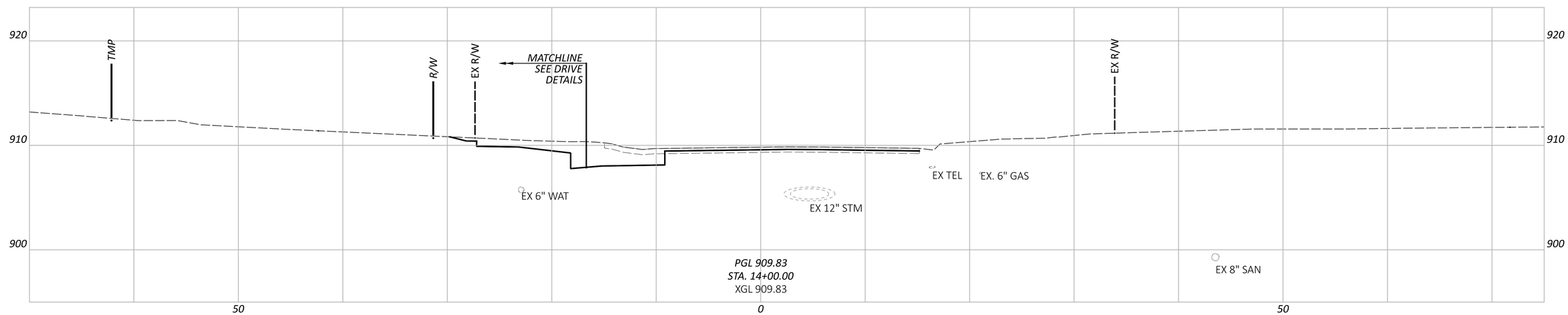
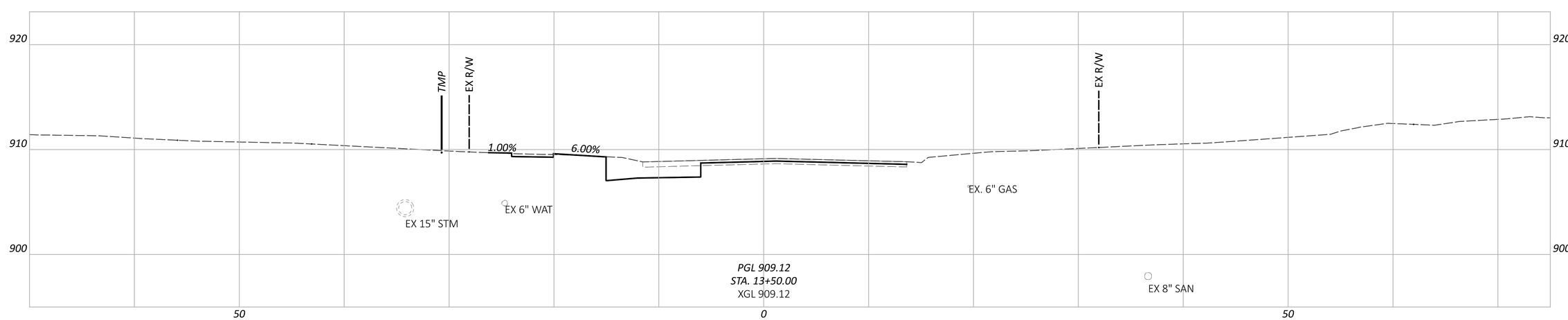
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0924
TOTAL	P.1556







CROSS SECTIONS - WELLESLEY DR
STA. 13+50.00 TO STA. 14+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0925 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - WELLESLEY DR
STA. 15+00.00 TO STA. 15+50.00

FAI/LIC-IR 70-0.00/0.00

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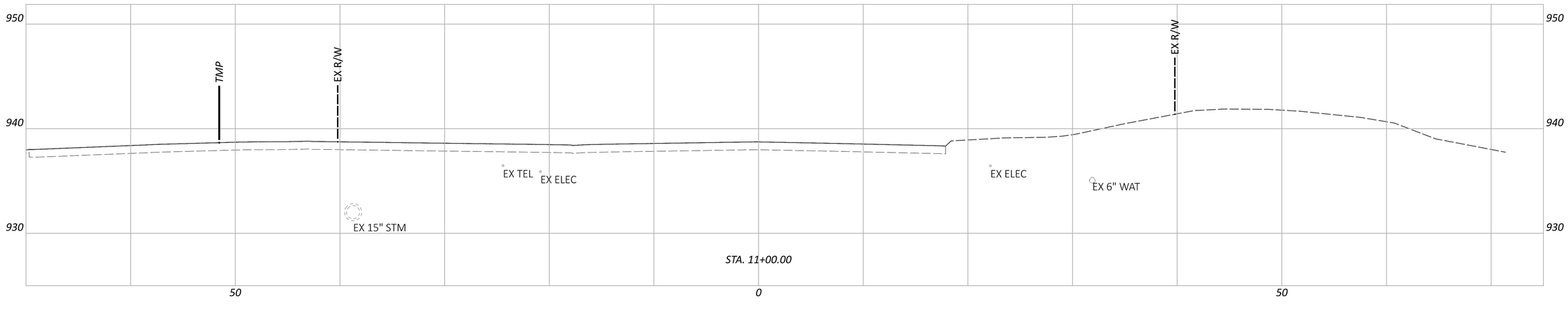
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

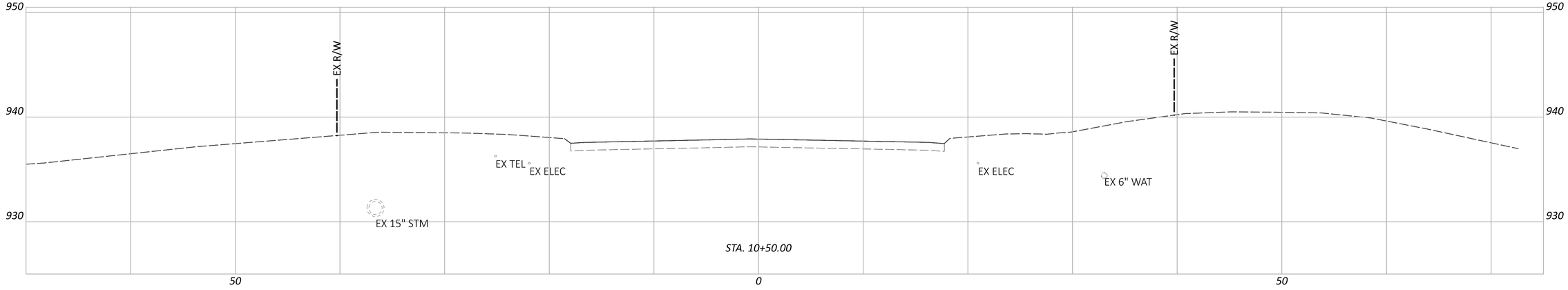
DESIGNER
BER

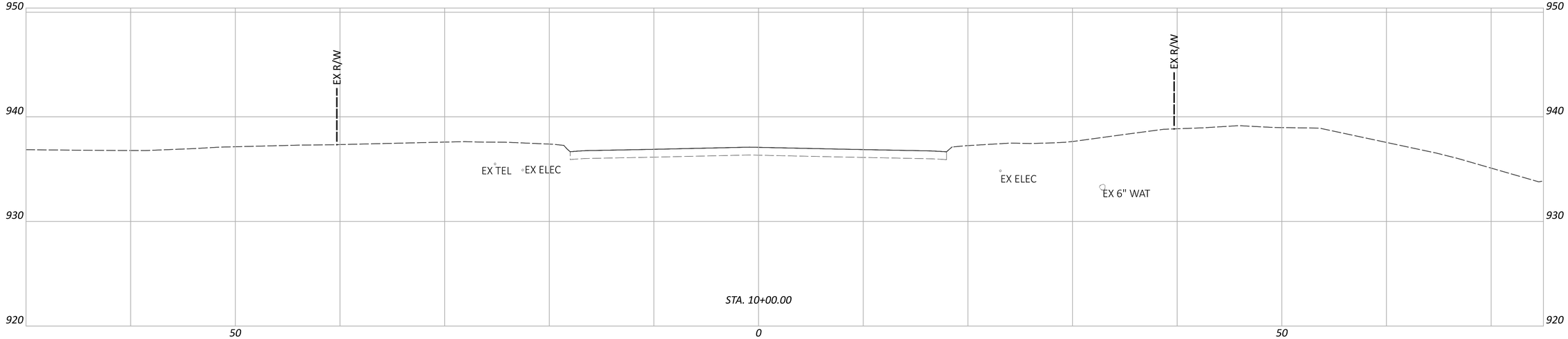
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0926 | TOTAL P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - TAYLOR RD SW
STA. 10+00.00 TO STA. 11+00.00

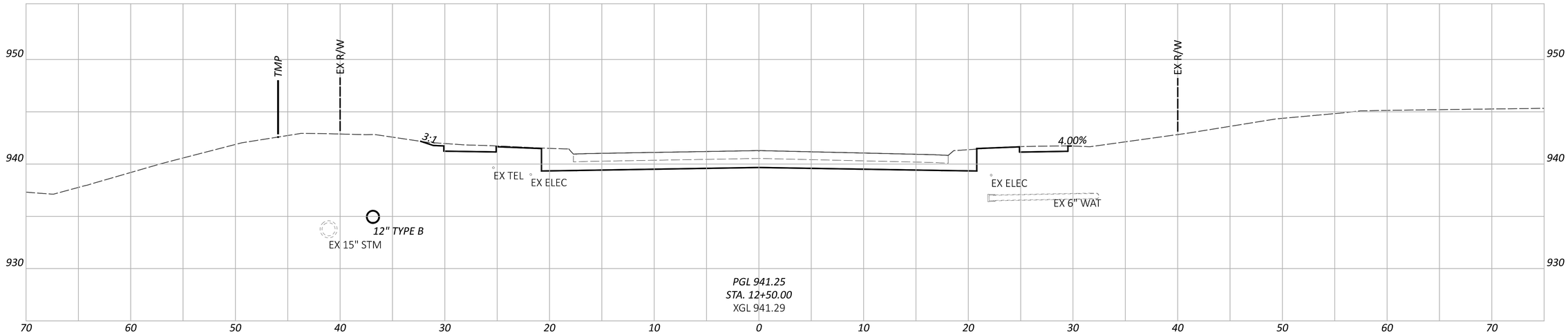
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

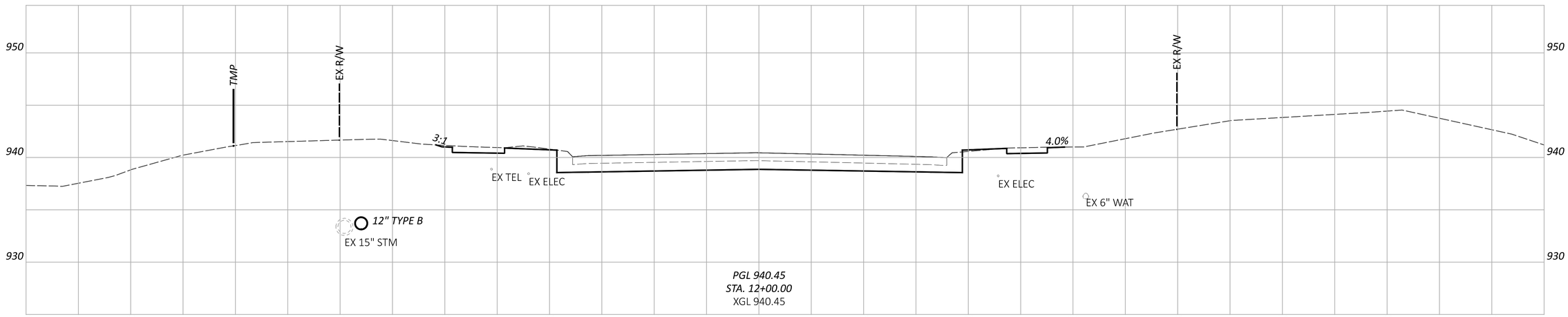
DESIGNER
BER

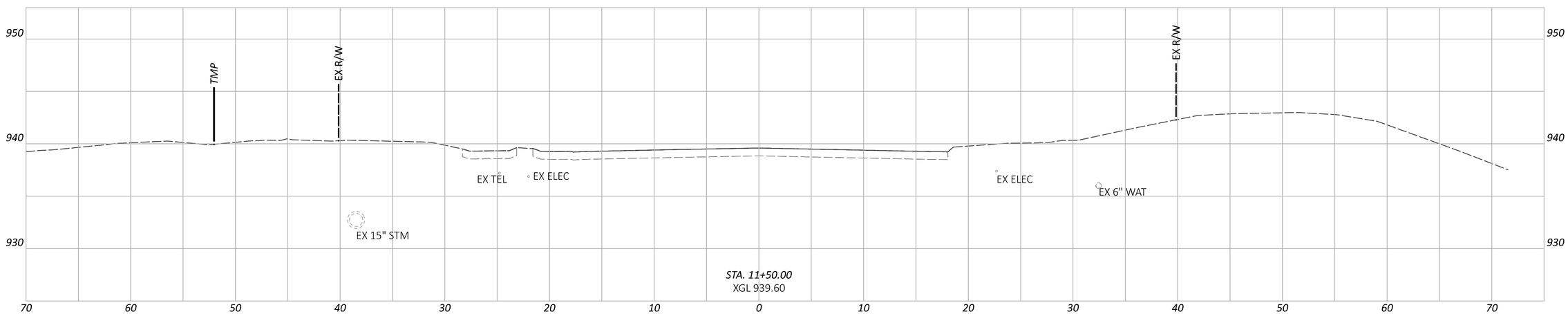
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0927 TOTAL P.1556







CROSS SECTIONS - TAYLOR RD SW
STA. 11+50.00 TO STA. 12+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLORSW - 11+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:36:45 AM USER: brieder
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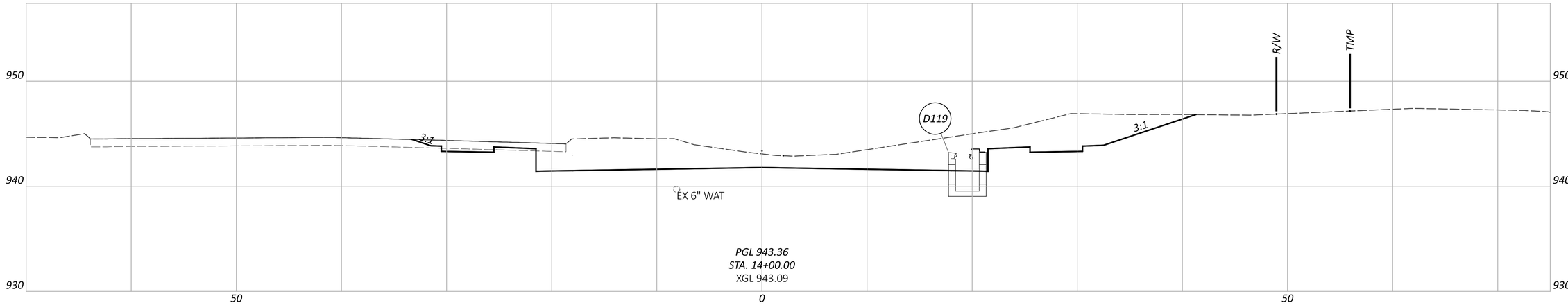
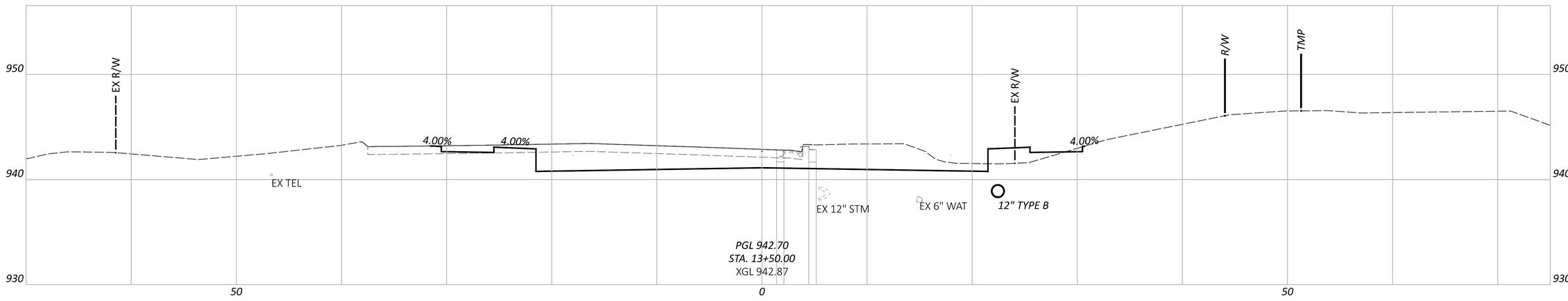
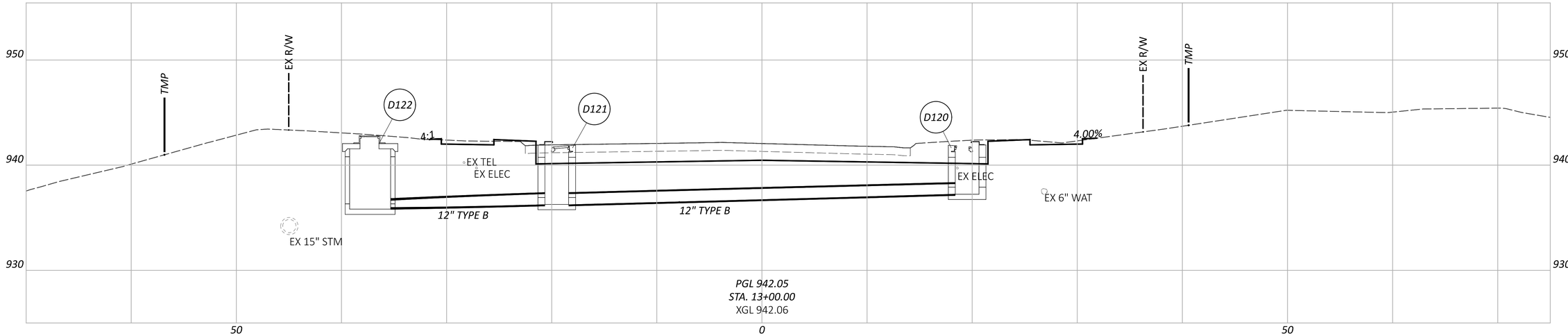
DESIGN AGENCY
STRUCTUREPOINT INC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0928
TOTAL	P.1556







FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - TAYLOR RD SW
STA. 13+00.00 TO STA. 14+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0929 TOTAL P.1556

MODEL: CLP_TAYLORSW - 14+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:36:52 AM USER: brieder
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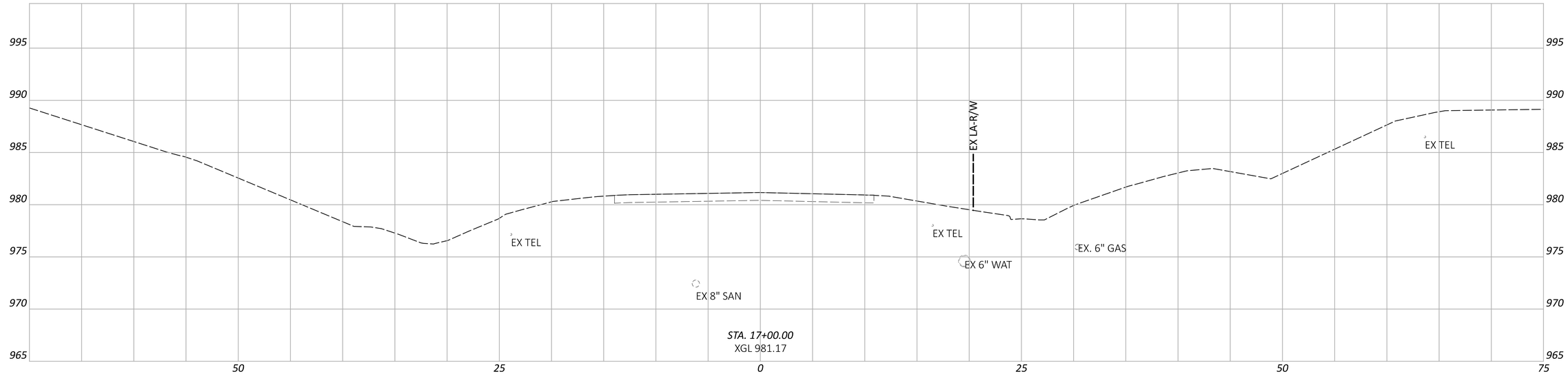
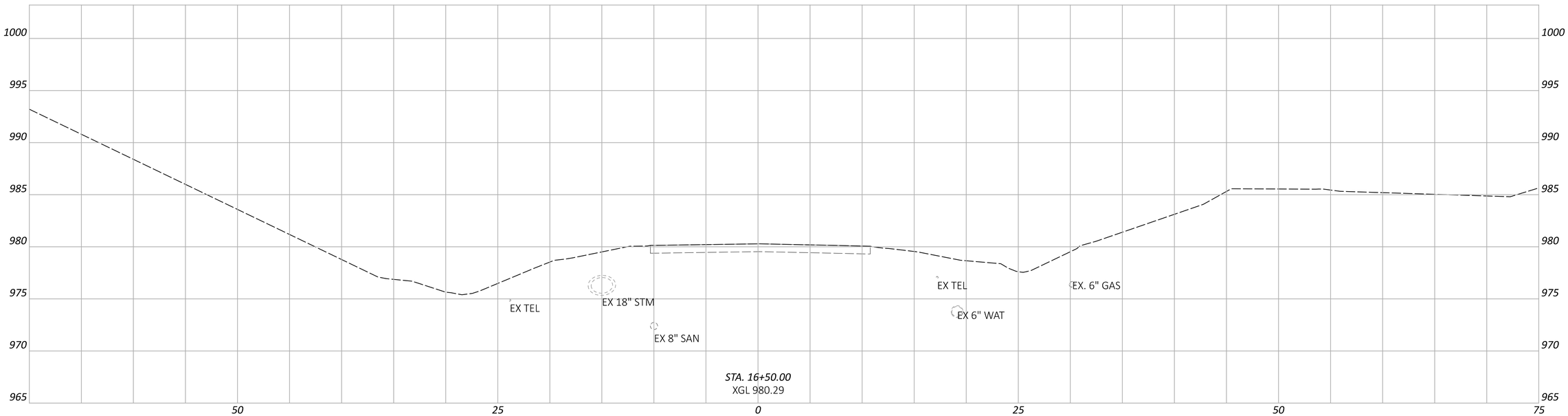
DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
BER	KAM 04/25/25	96808	P 0930	P 1556

AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY

CROSS SECTIONS - TAYLOR RD SW
STA. 14+50.00 TO STA. 15+00.00





FAI/LIC-IR 70-0.00/0.00

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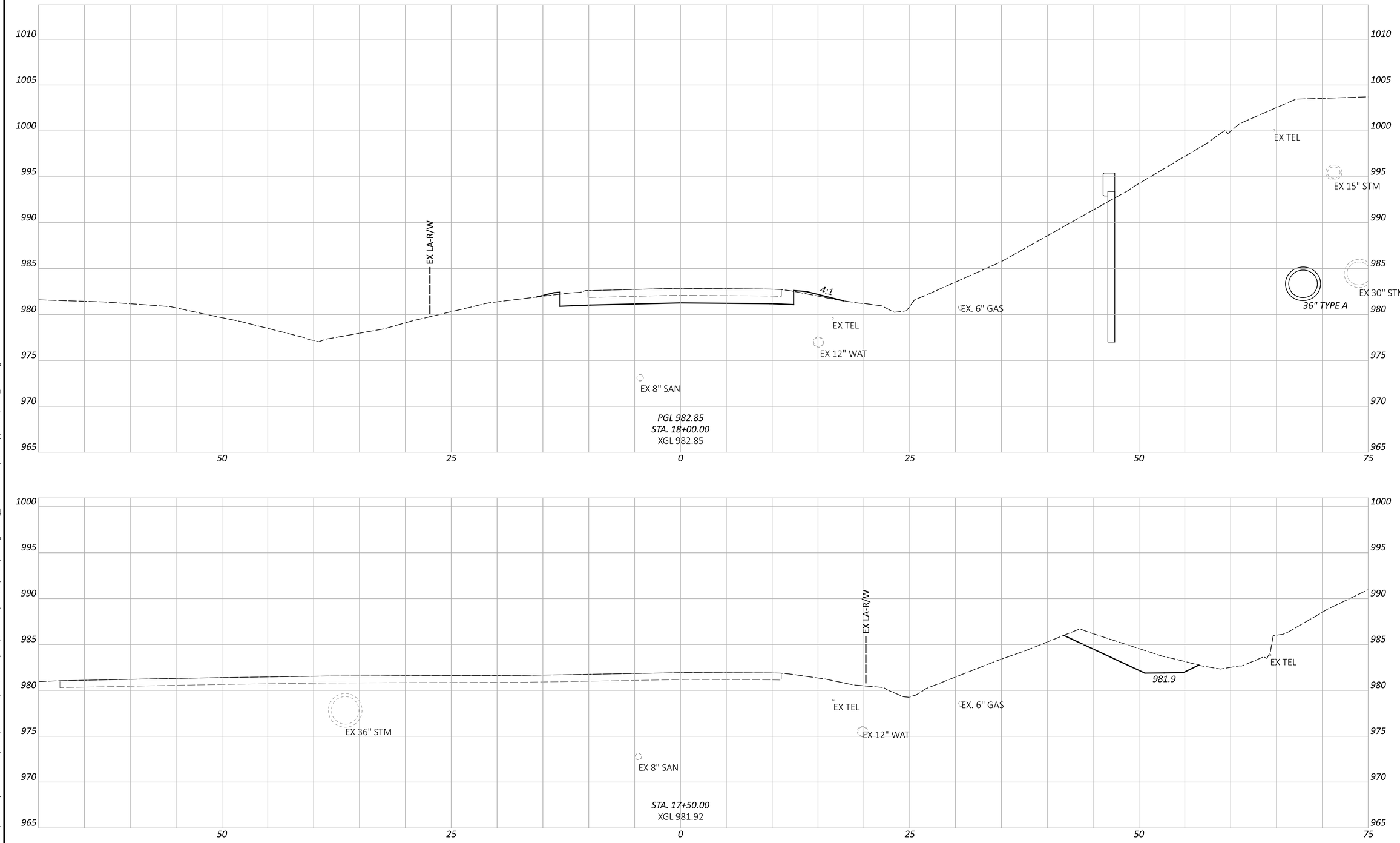
CROSS SECTIONS - PALMER RD
STA. 16+50.00 TO STA. 17+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0931
TOTAL	P.1556



CROSS SECTIONS - PALMER RD
STA. 17+50.00 TO STA. 18+00.00

FAI/LIC-IR 70-0.00/0.00

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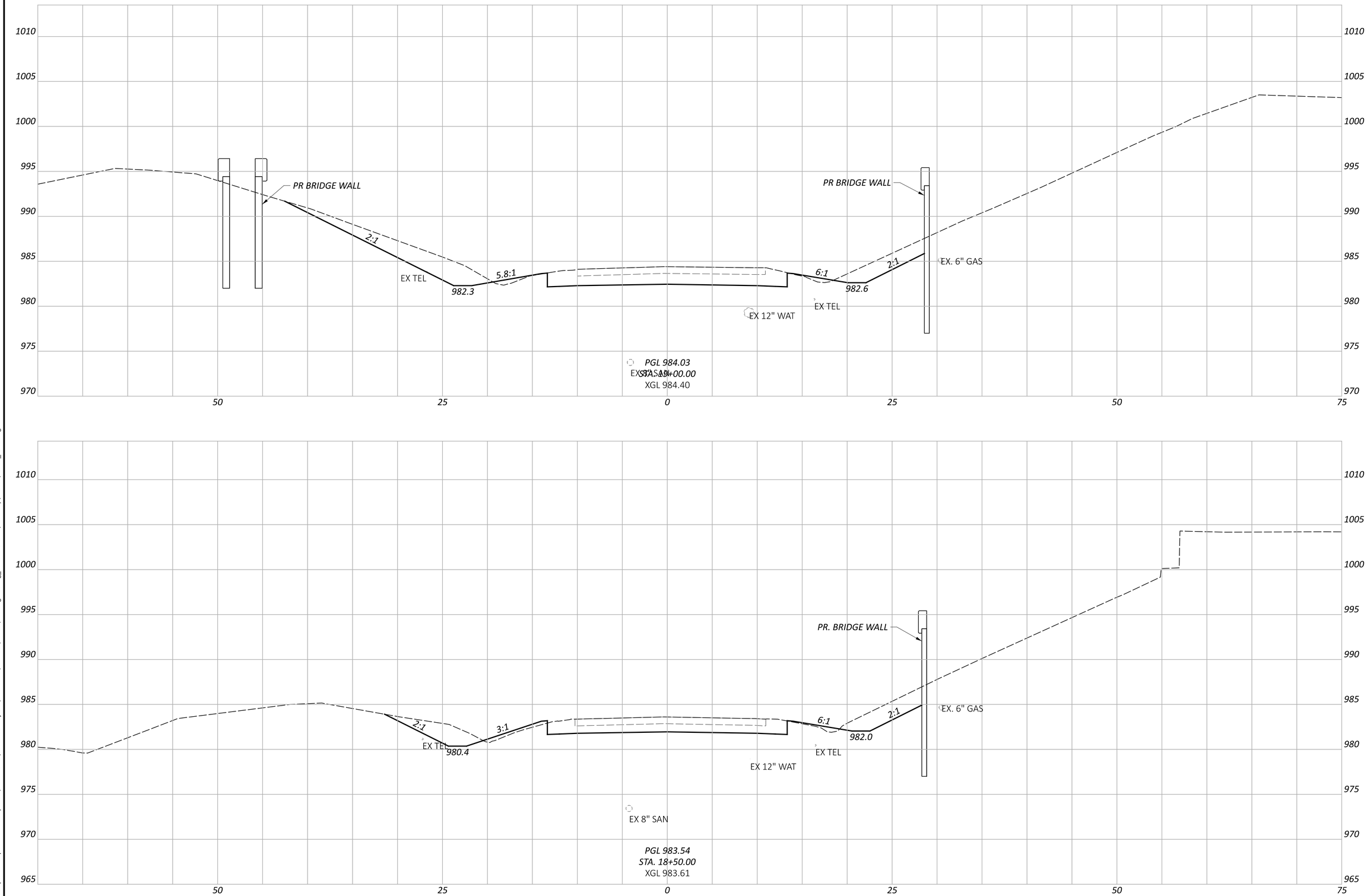
DESIGN AGENCY
STRUCTUREPOINT LLC
DESIGNER
BER
REVIEWER
KAM
PROJECT ID
96808
SHEET P.0932
TOTAL P.1556

AAM-SRDATEDD-YY



CROSS SECTIONS - PALMER RD
STA. 18+50.00 TO STA. 19+00.00

FAI/LIC-IR 70-0.00/0.00

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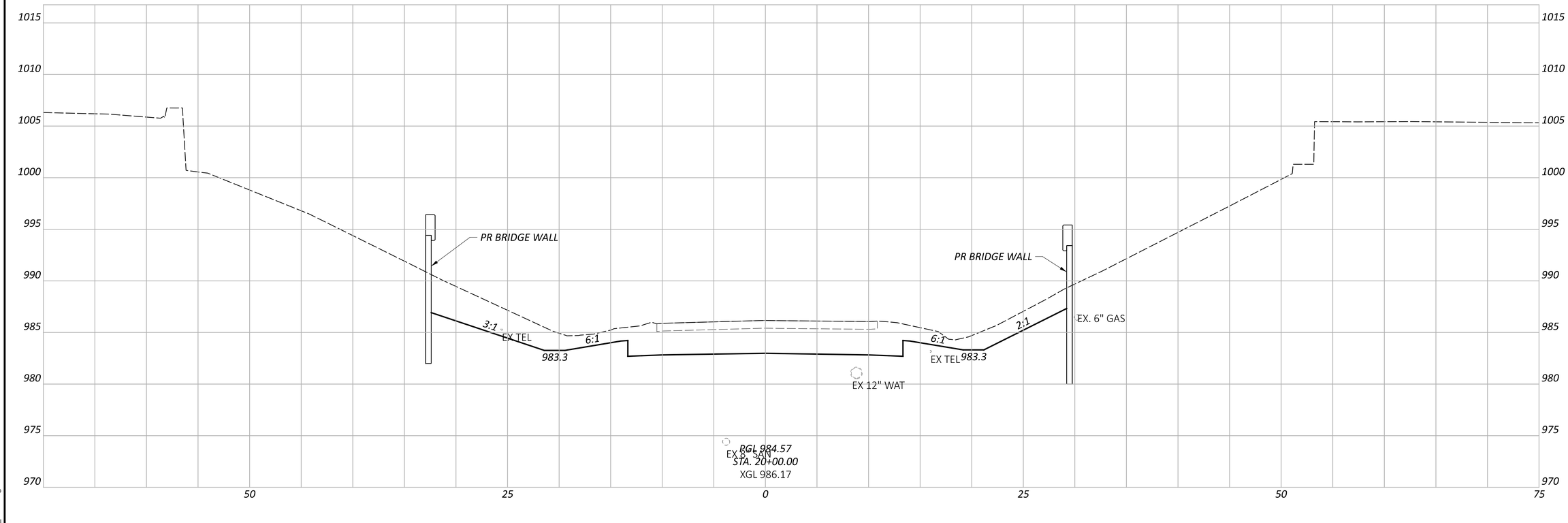
DESIGN AGENCY
STRUCTUREPOINT INC.

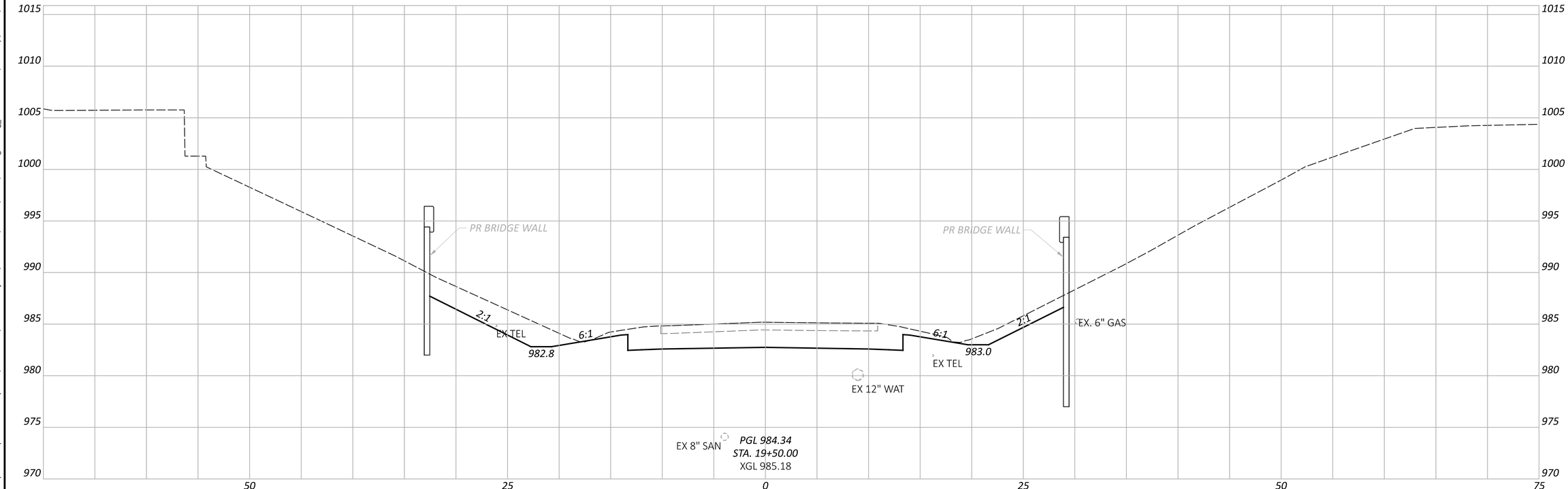
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0933 | TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - PALMER RD
STA. 19+50.00 TO STA. 20+00.00

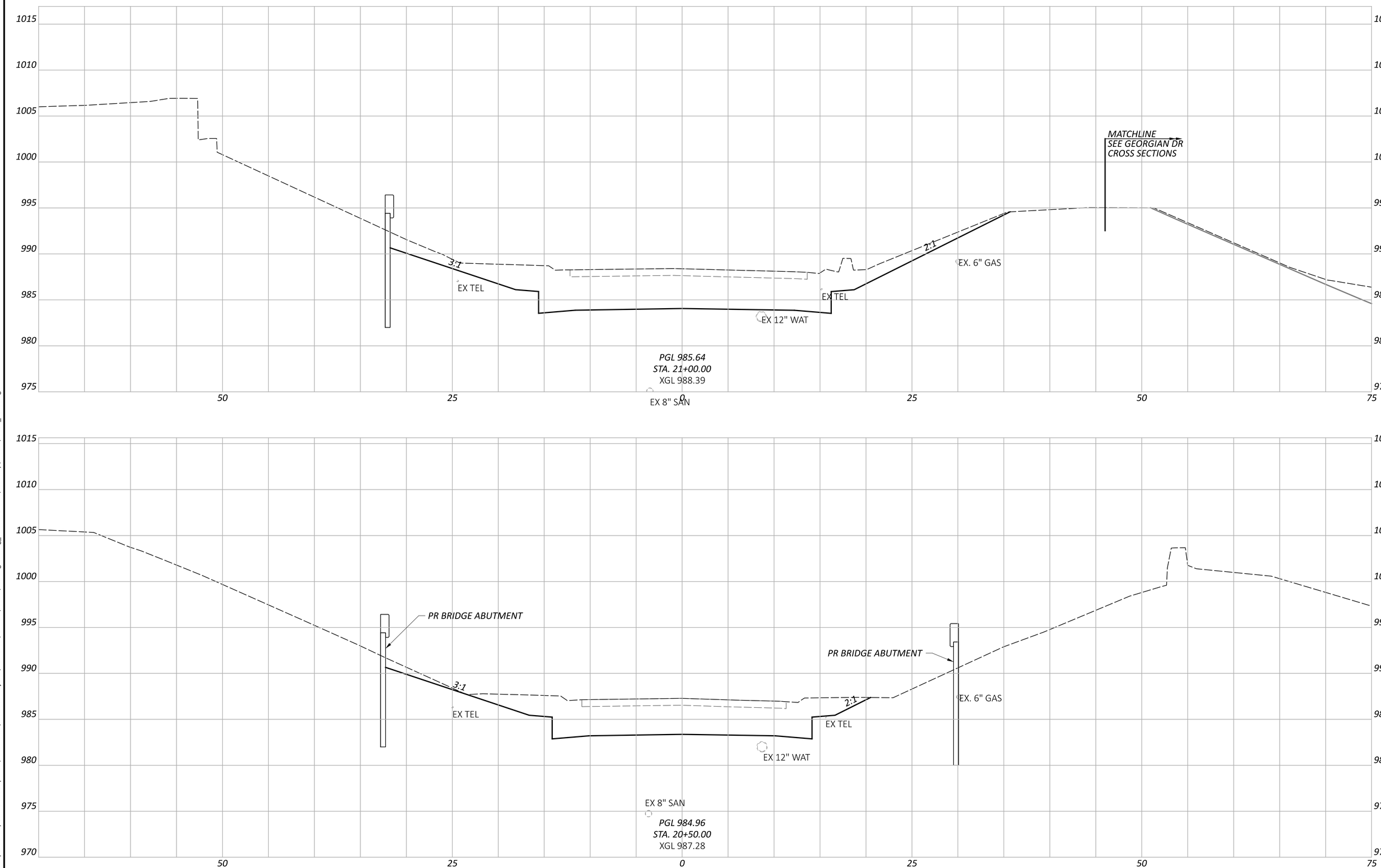
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0934 TOTAL P.1556



CROSS SECTIONS - PALMER RD
STA. 20+00.00 TO STA. 21+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_PALMER - 20+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:37:42 AM USER: brieder
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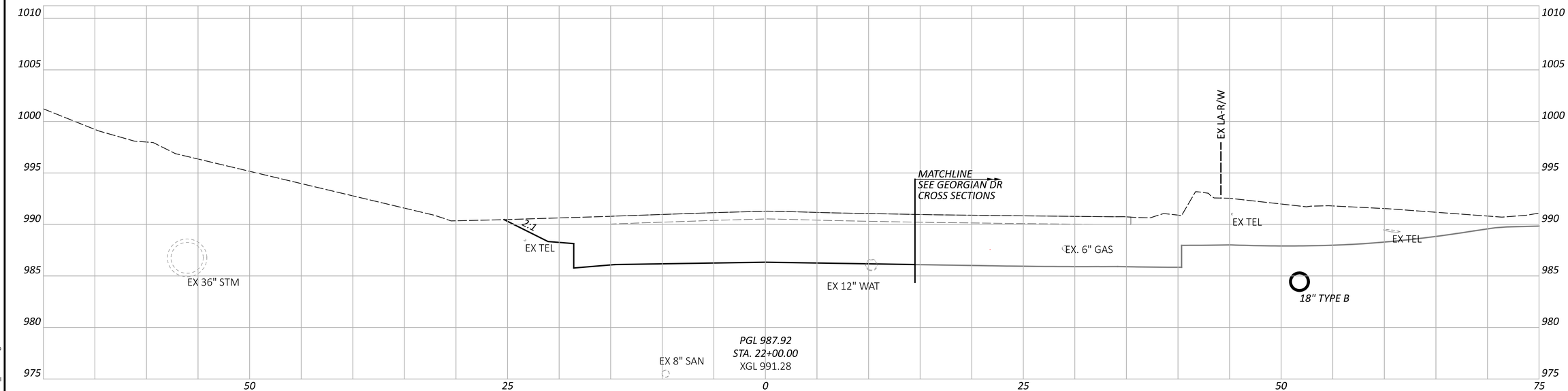
DESIGN AGENCY
STRUCTUREPOINT INC.

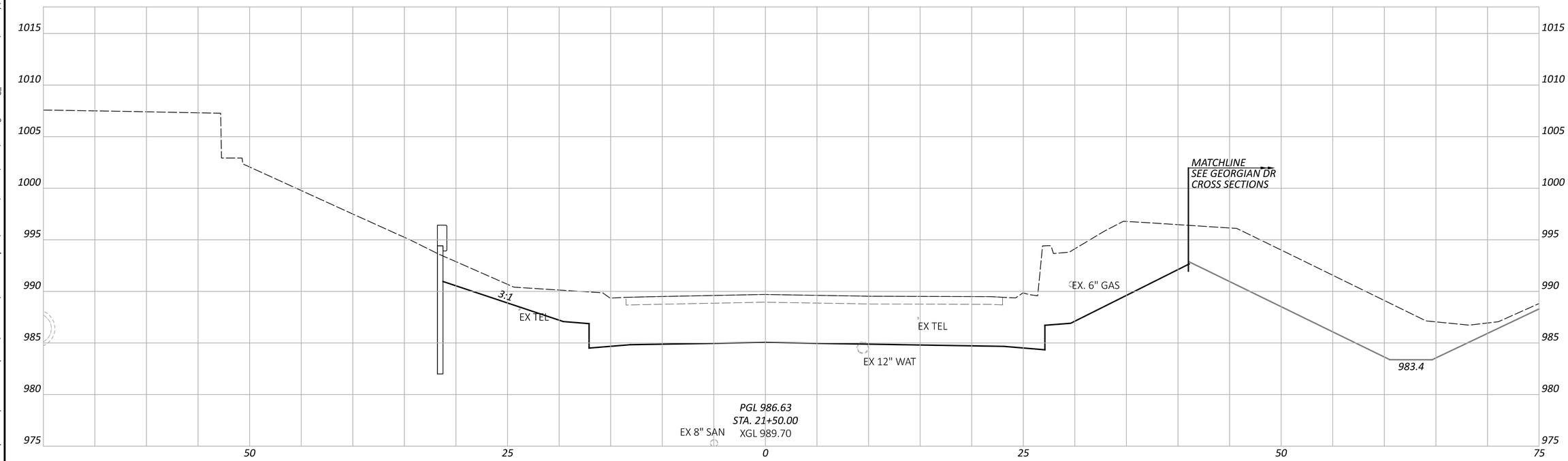
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0935 | TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - PALMER RD
STA. 21+50.00 TO STA. 22+00.00

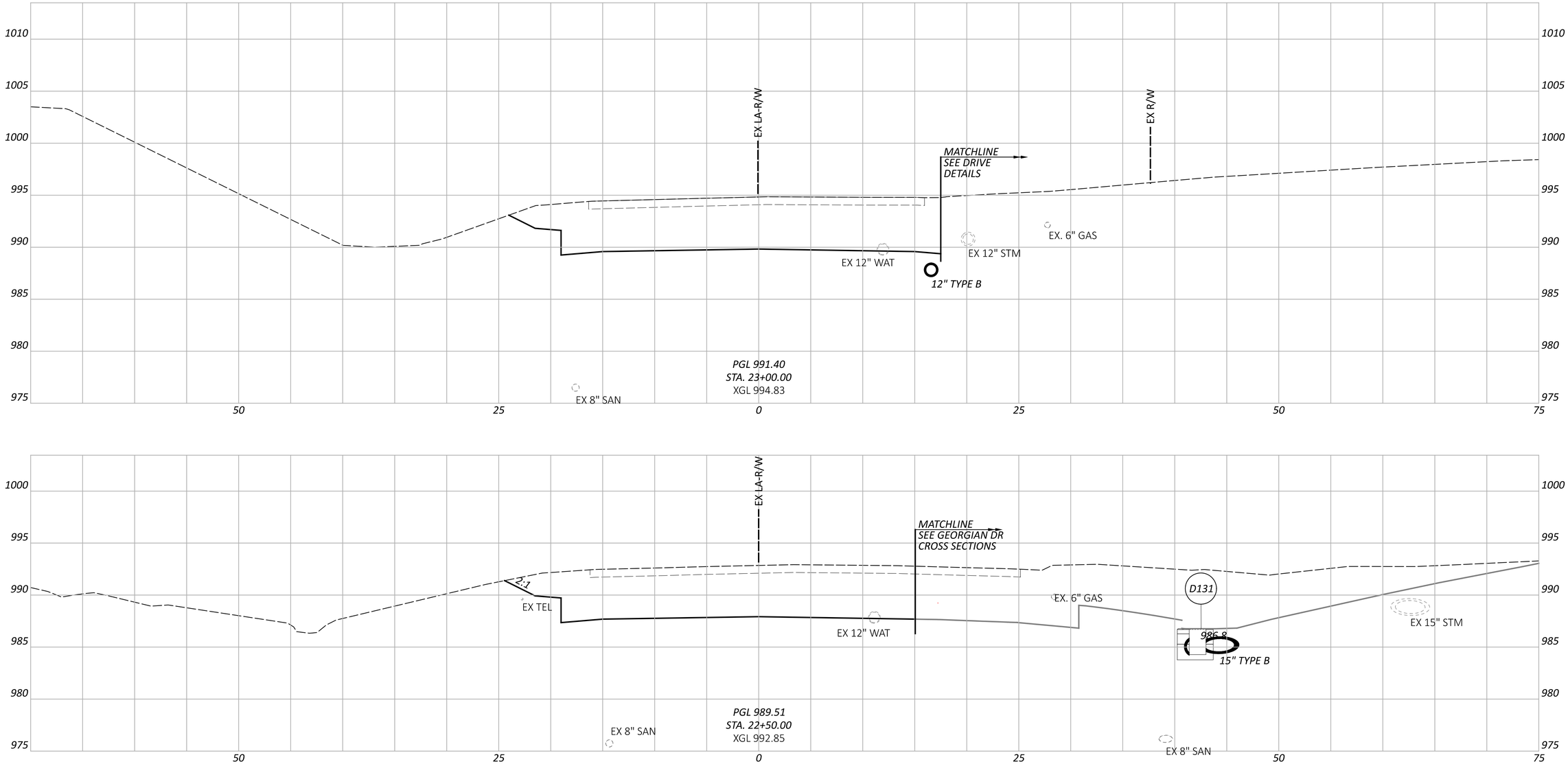
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0936 TOTAL P.1556



CROSS SECTIONS - PALMER RD
STA. 22+50.00 TO STA. 23+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_PALMER - 22+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:37:54 AM USER: brieder
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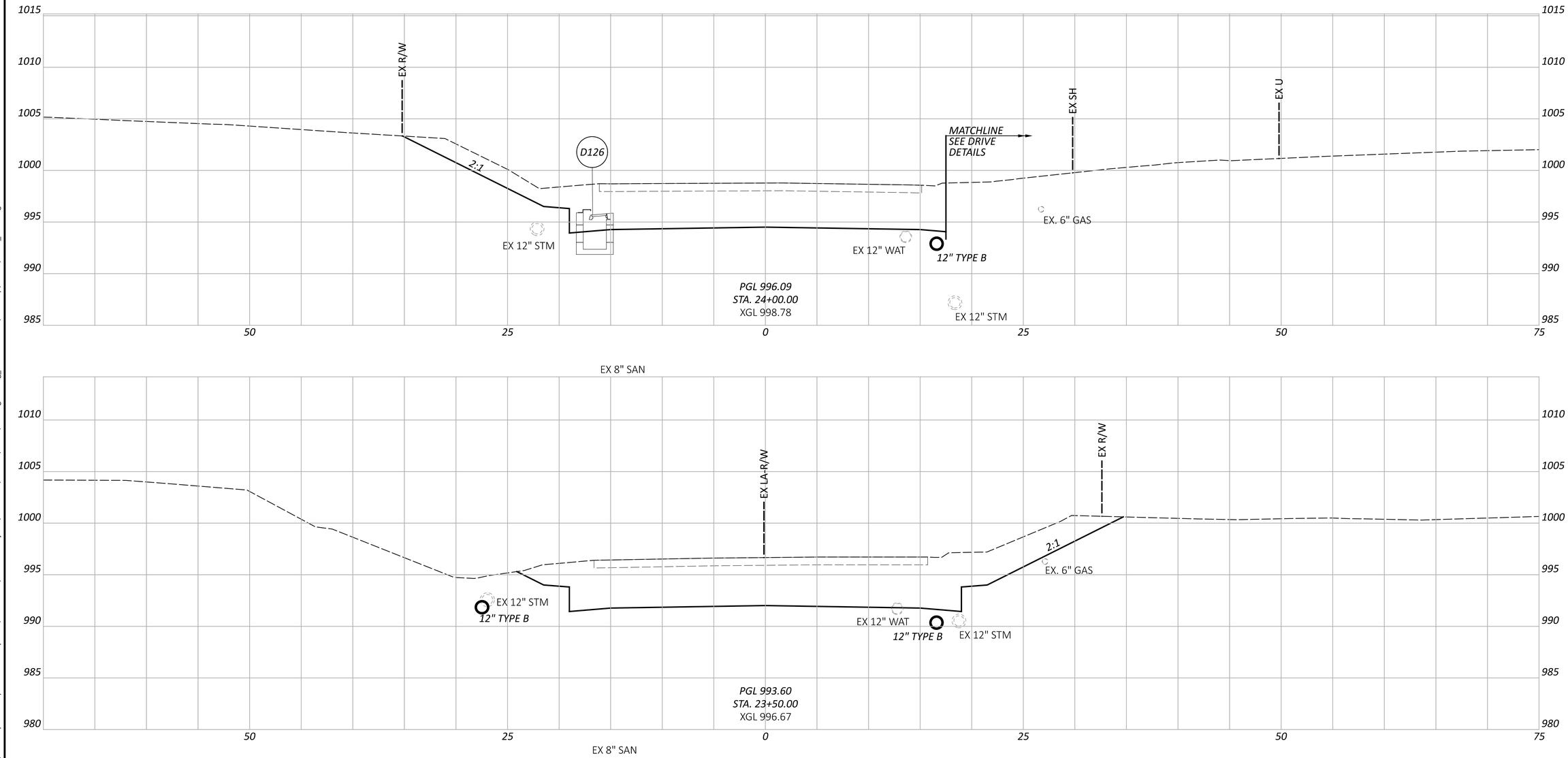
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
KAM

REVIEWER
BER 04/25/25

PROJECT ID
96808

SHEET P.0937 TOTAL P.1556



CROSS SECTIONS - PALMER RD
STA. 23+50.00 TO STA. 24+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_PALMER - 23+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:37:59 AM USER: brieder
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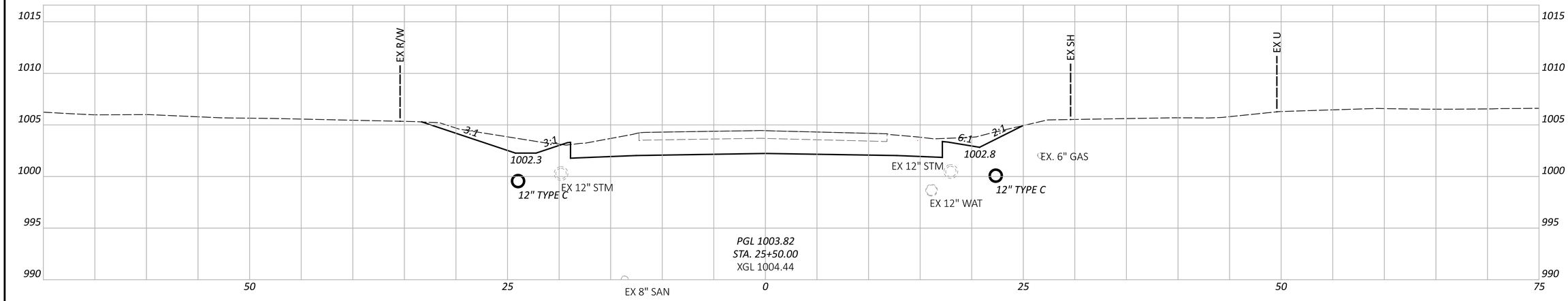
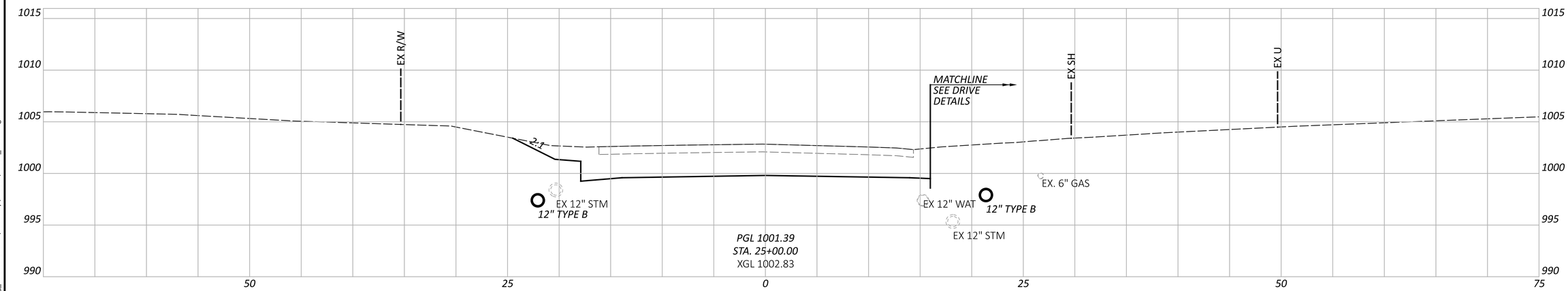
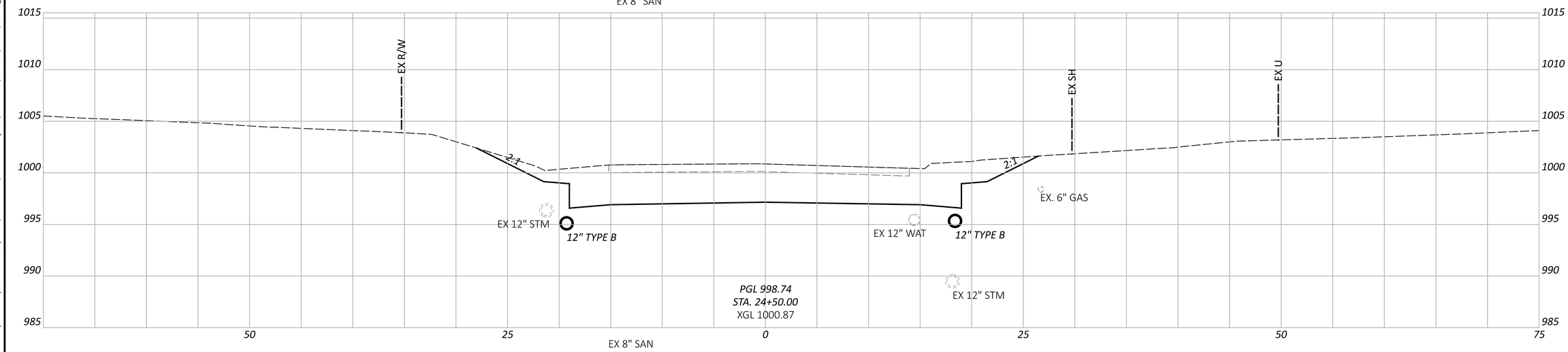
DESIGN AGENCY
STRUCTUREPOINT
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0938
TOTAL P.1556







CROSS SECTIONS - PALMER RD
STA. 24+50.00 TO STA. 25+50.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0939 TOTAL P.1556

CROSS SECTIONS - PALMER RD
STA. 26+00.00 TO STA. 27+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0940
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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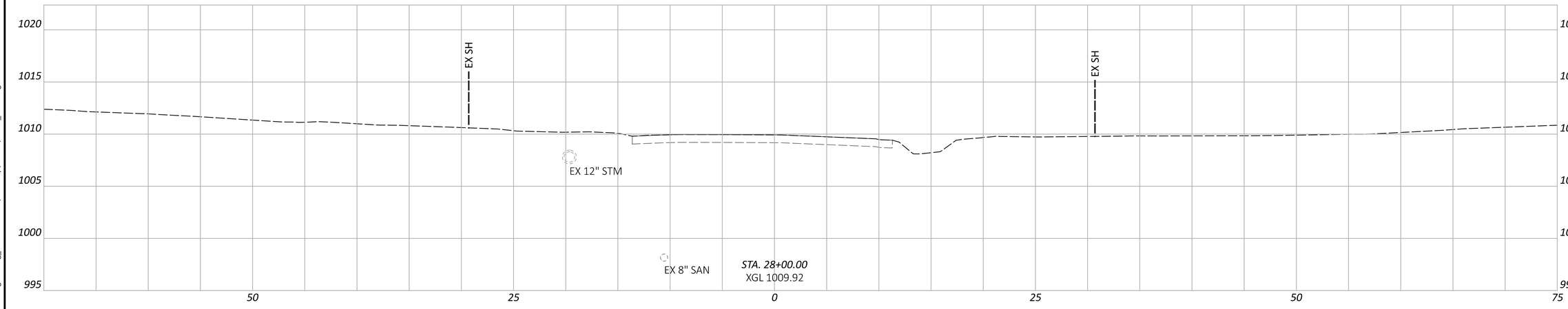

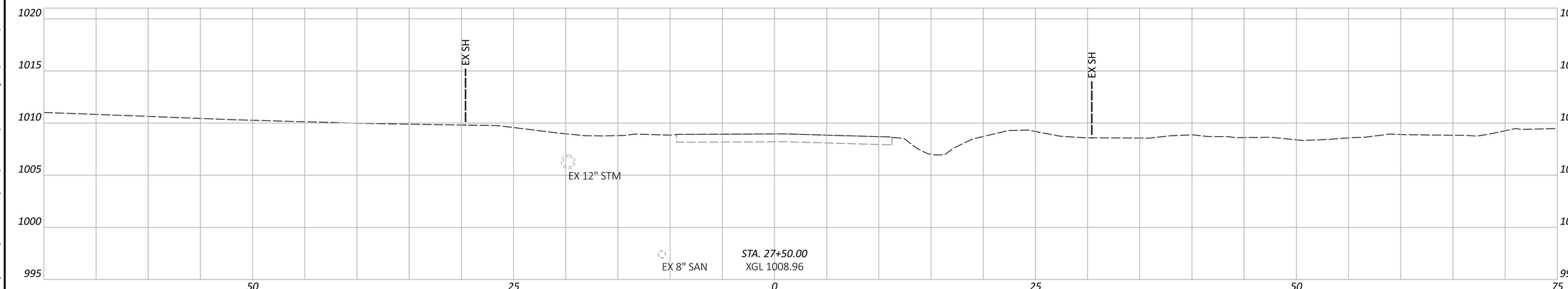

CROSS SECTIONS - PALMER RD
STA. 27+50.00 TO STA. 28+00.00

FAI/LIC-IR 70-0.00/0.00

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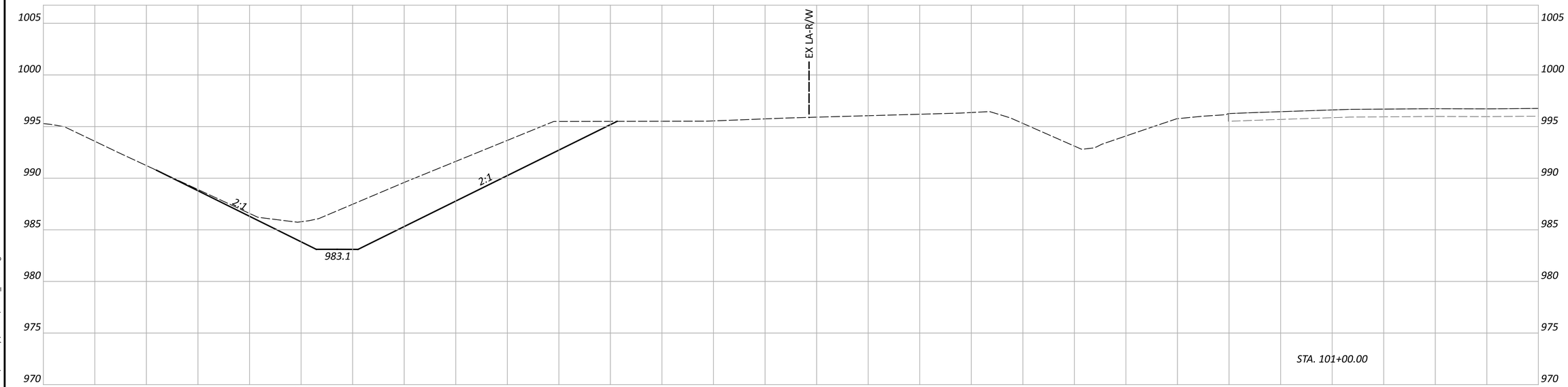
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

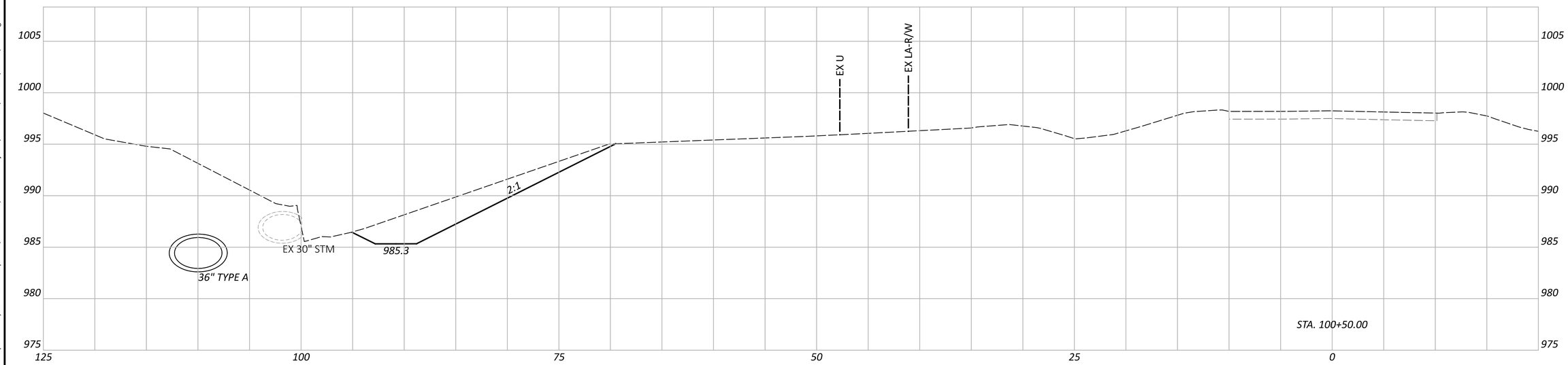
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0941 TOTAL P.1556





CROSS SECTIONS - GEORGIAN DR
STA. 100+50.00 TO STA. 101+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_Georgian - 100+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/9/2025 TIME: 8:38:34 AM USER: brieder
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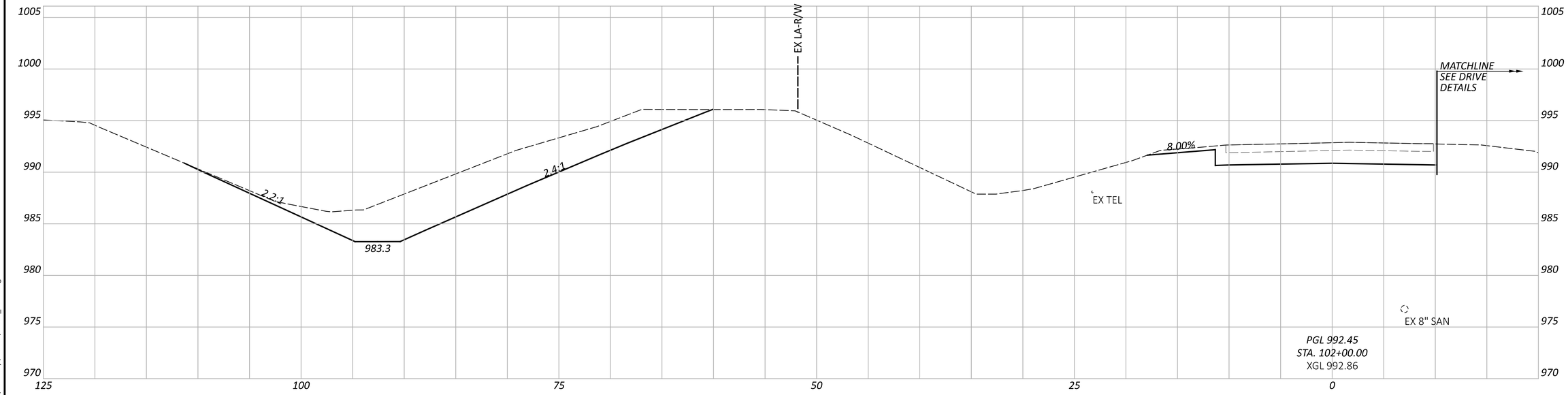
DESIGN AGENCY
STRUCTUREPOINT INC.

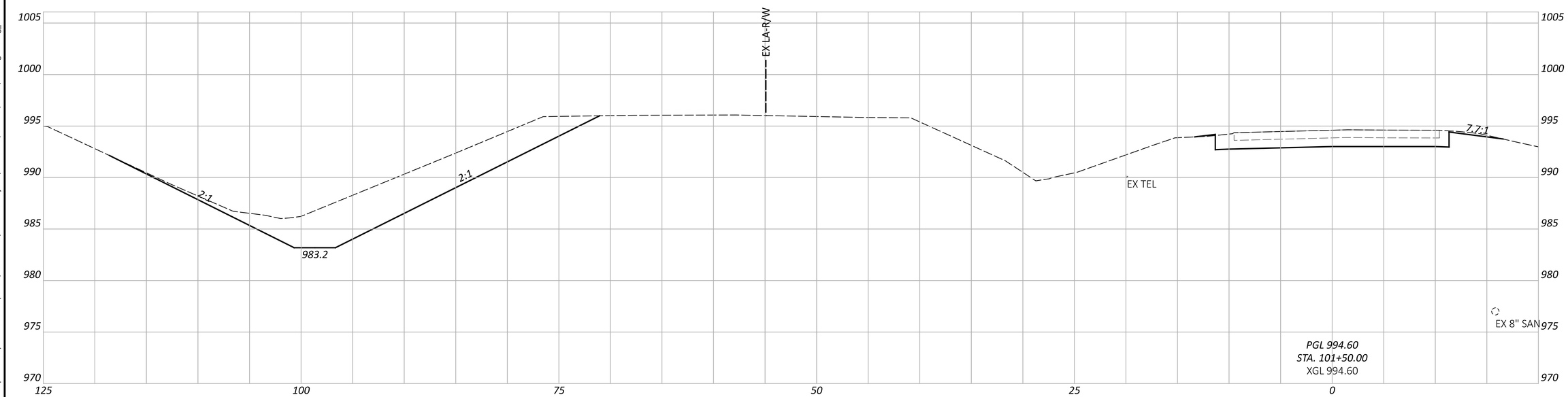
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0942 | TOTAL P.1556





FAI/LIC-IR 70-0.00/0.00

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CROSS SECTIONS - GEORGIAN DR
STA. 101+50.00 TO STA. 102+00.00

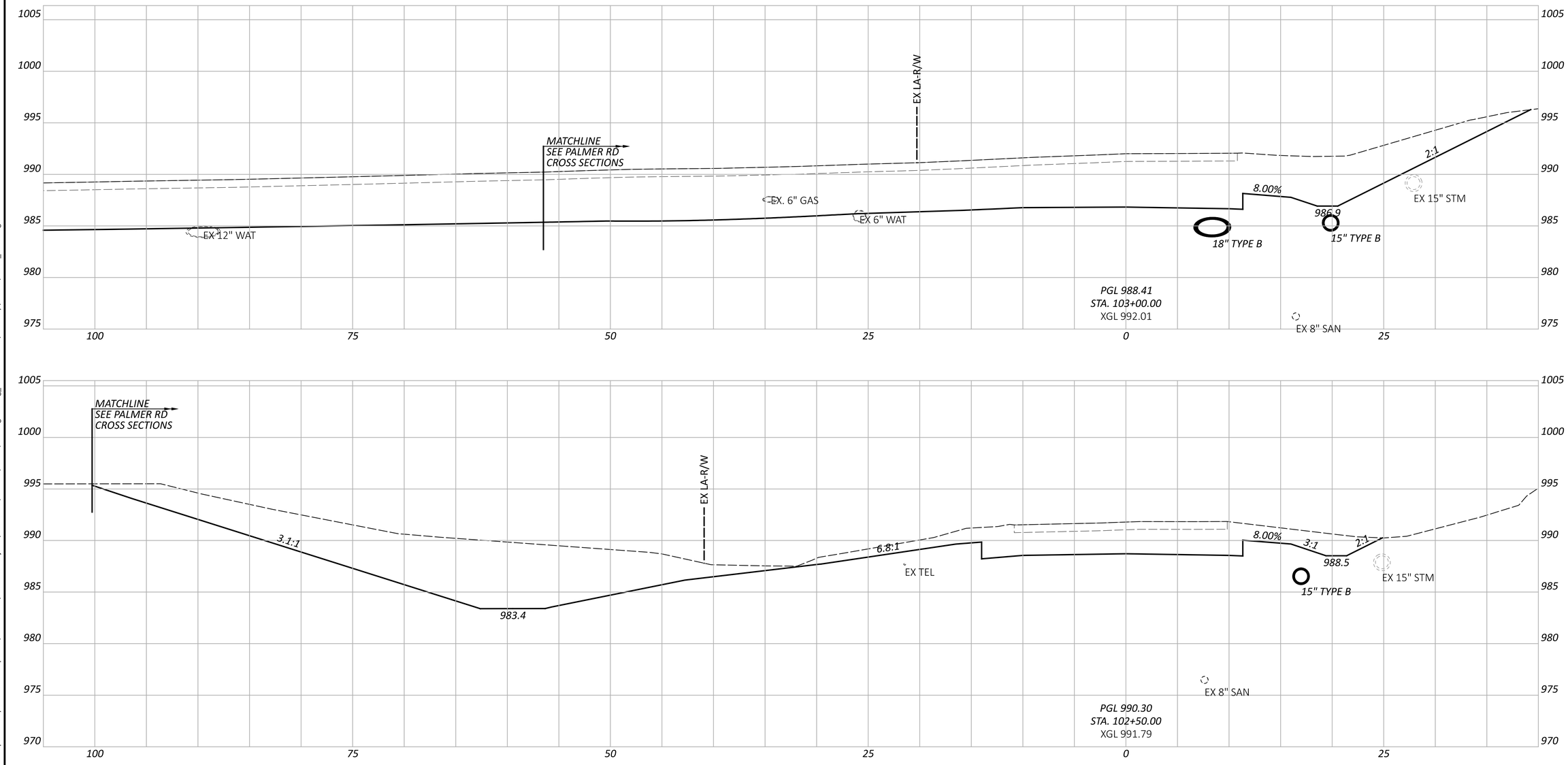
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0943 | TOTAL P.1556



CROSS SECTIONS - GEORGIAN DR
STA. 102+50.00 TO STA. 103+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_Georgian - 102+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:38:53 AM USER: brieder
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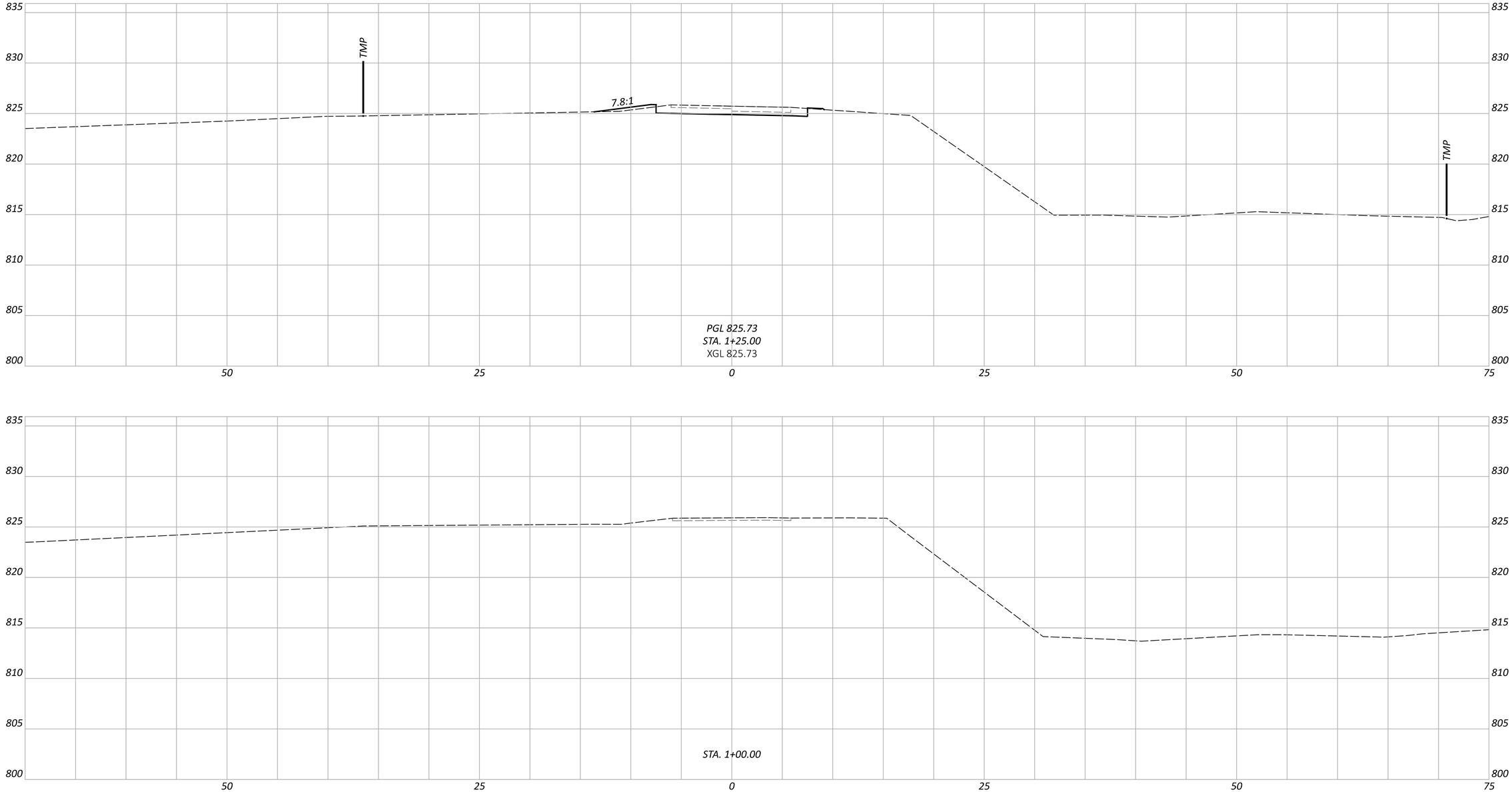
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0944 TOTAL P.1556



FAI/LIC-IR 70-0.00/0.00

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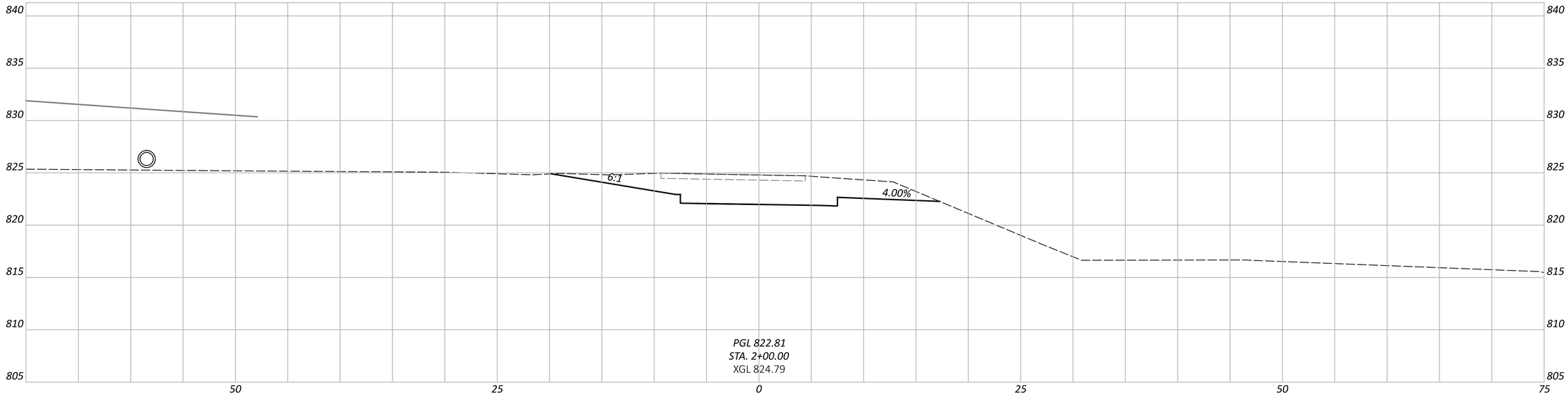
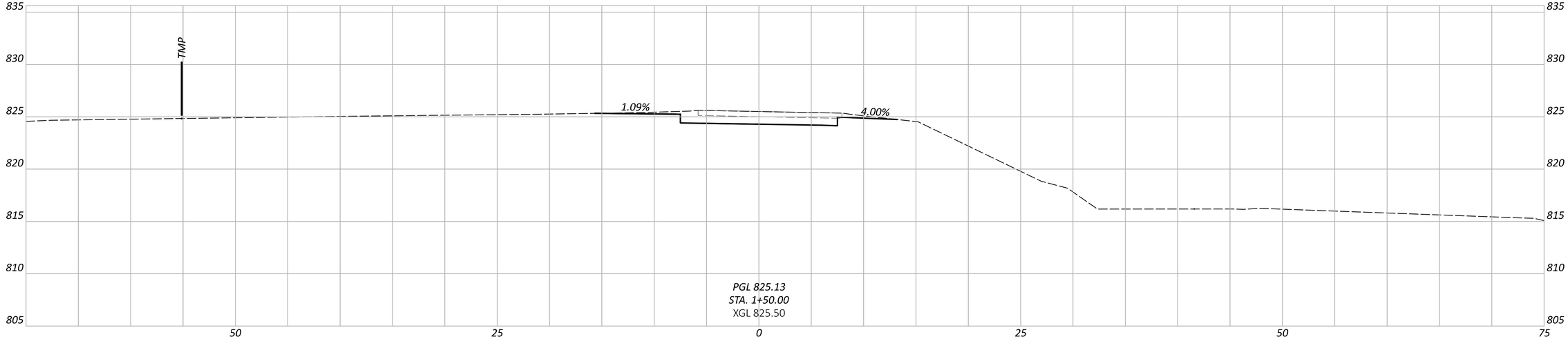
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_XS701.dgn

CROSS SECTIONS - BLACKLICK TRAIL
STA. 1+00.00 TO STA. 1+25.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	AJO
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0945
TOTAL	P.1556





FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_BLACKLICK TRAIL - 1+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:39:28 AM USER: brieder
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CROSS SECTIONS - BLACKLICK TRAIL
STA. 1+50.00 TO STA. 2+00.00

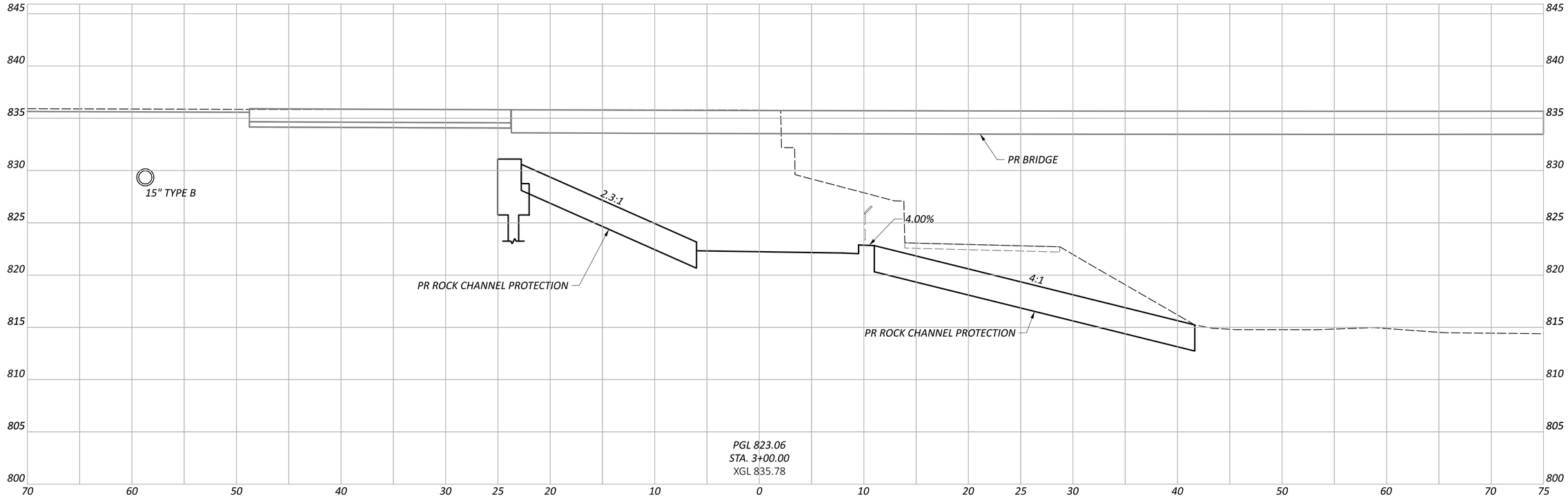
DESIGN AGENCY
STRUCTUREPOINT INC.

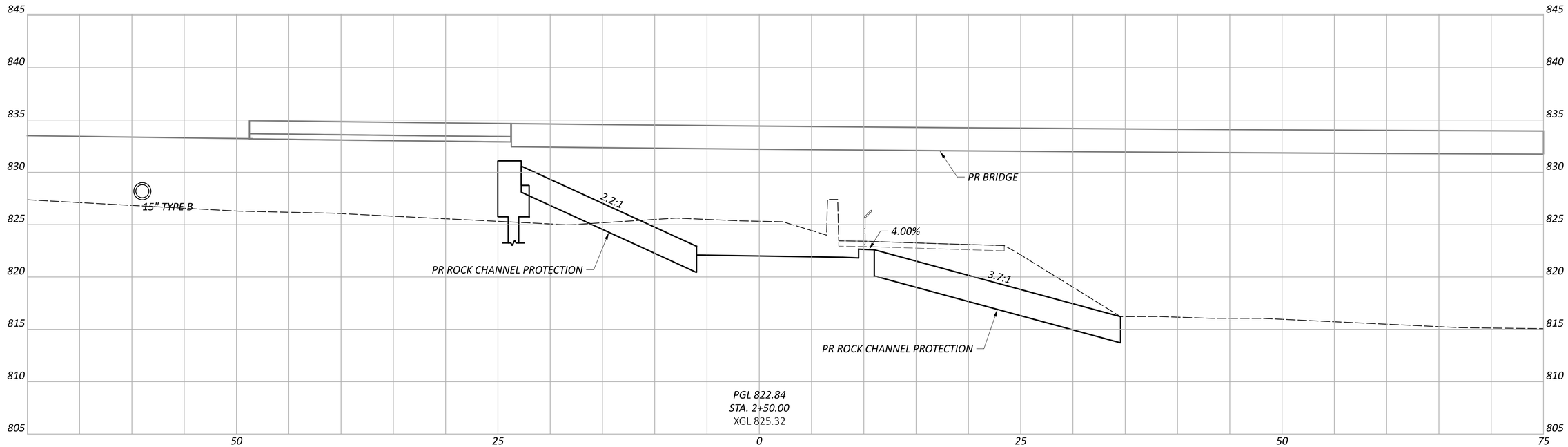
DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0946 TOTAL P.1556





CROSS SECTIONS - BLACKLICK TRAIL
STA. 2+50.00 TO STA. 3+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_BLACKLICK TRAIL - 2+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:39:36 AM USER: brieder
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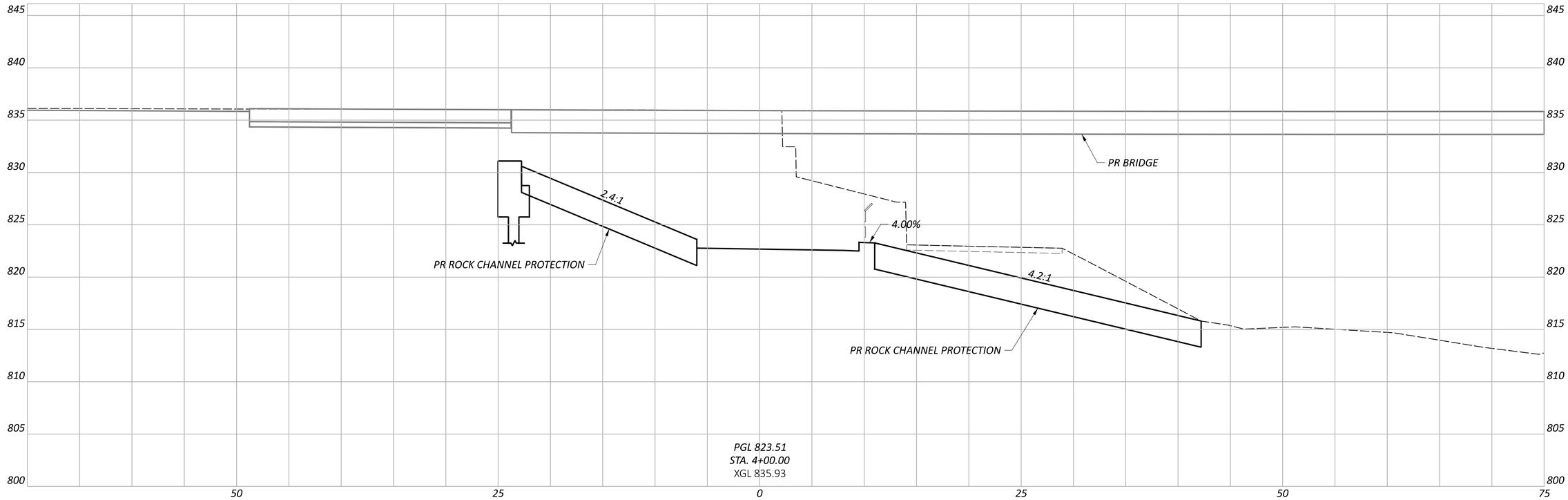
DESIGN AGENCY
STRUCTUREPOINT LLC

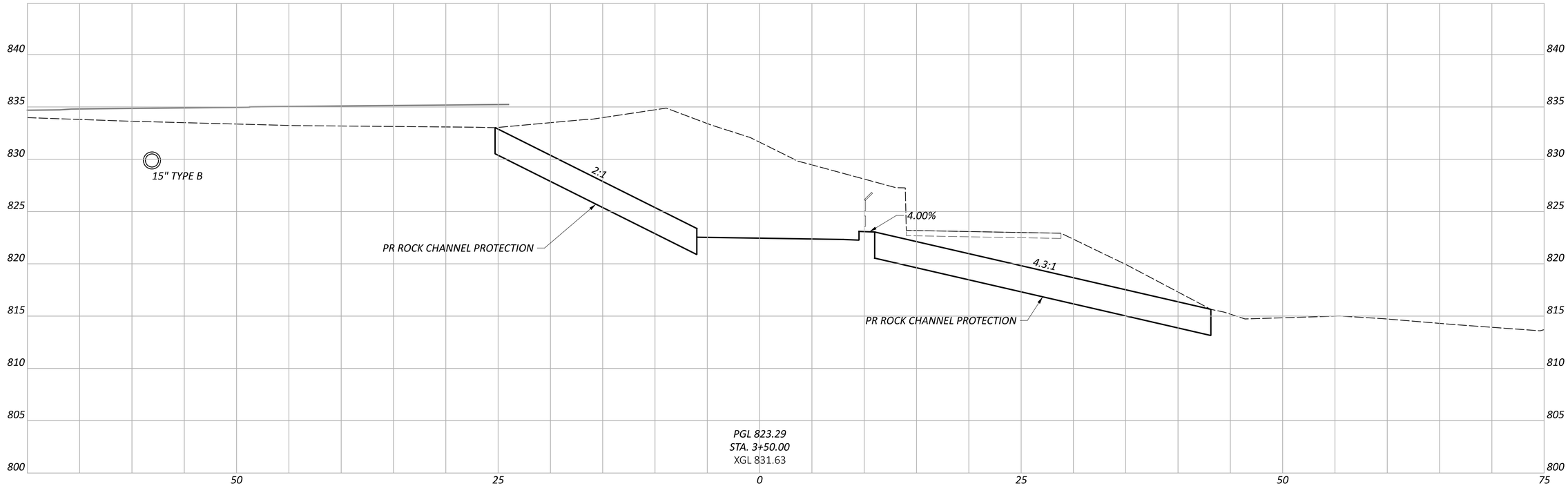
DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0947 TOTAL P.1556





CROSS SECTIONS - BLACKLICK TRAIL
STA. 3+50.00 TO STA. 4+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_BLACKLICK TRAIL - 3+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:39:41 AM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_XS701.dgn

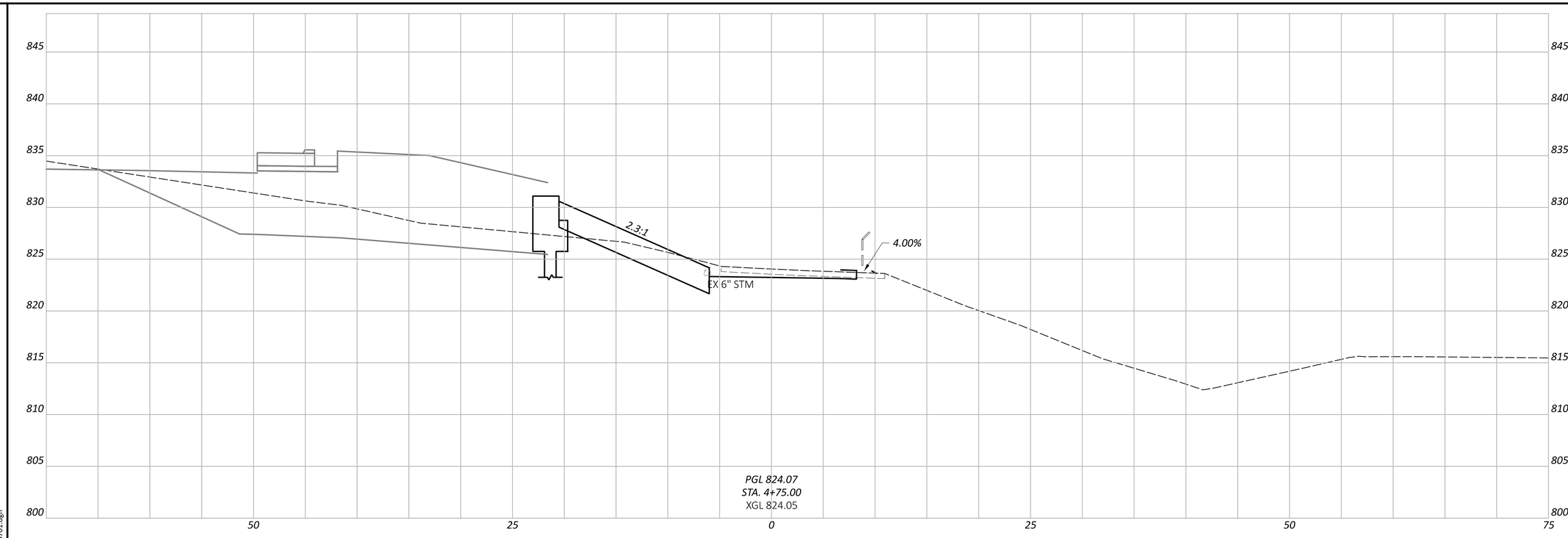
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

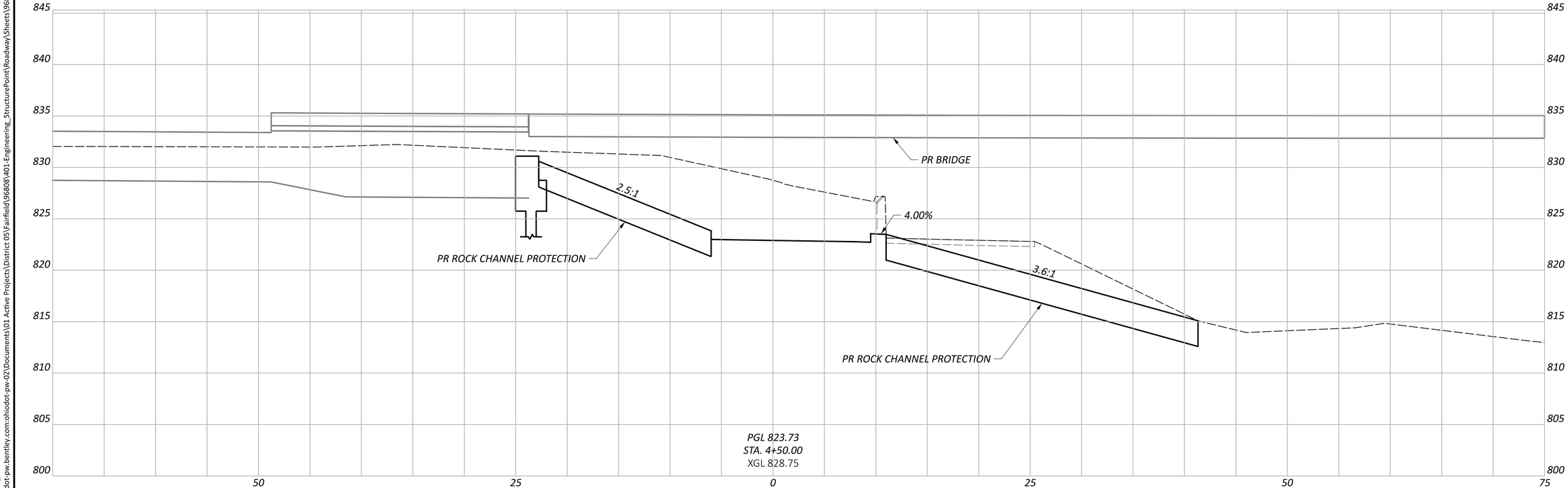
DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0948 TOTAL P.1556





CROSS SECTIONS - BLACKLICK TRAIL
STA. 4+50.00 TO STA. 4+75.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_BLACKLICK TRAIL - 4+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:39:46 AM USER: brieder
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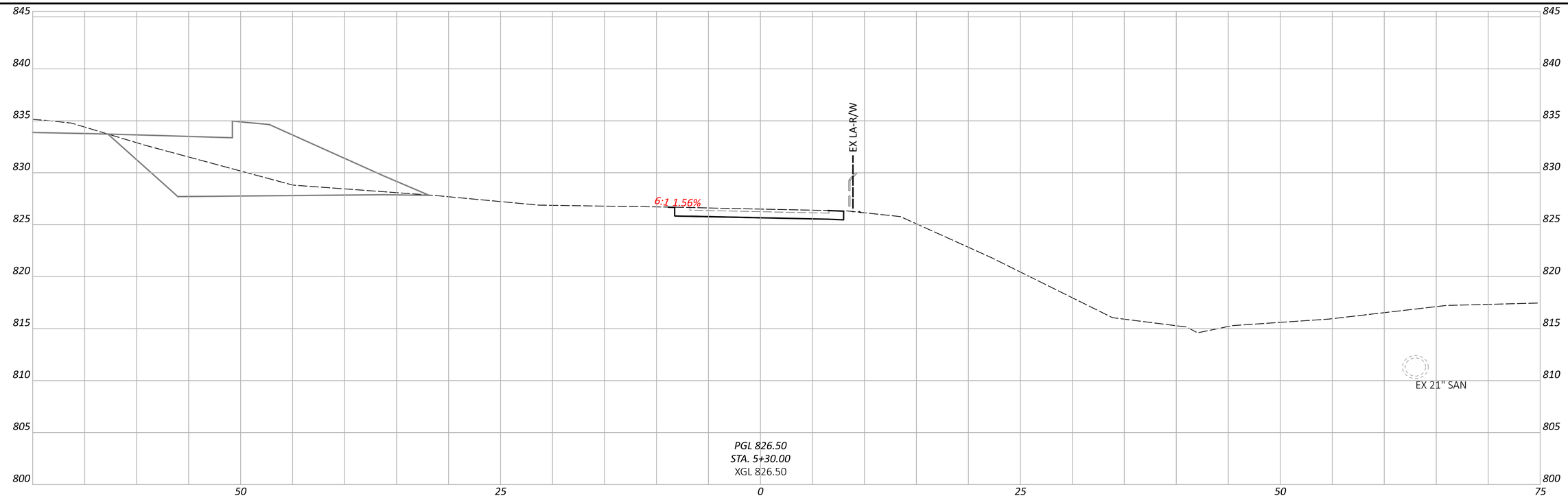
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

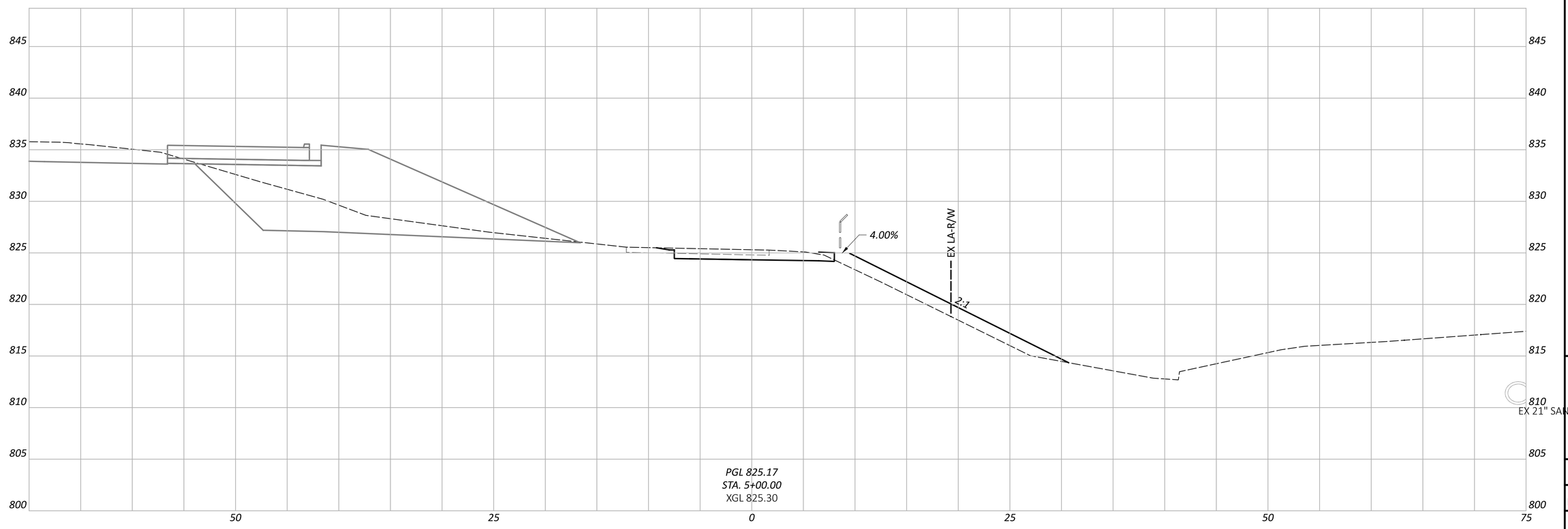
DESIGNER AJO

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0949 TOTAL P.1556





CROSS SECTIONS - BLACKLICK TRAIL
STA. 5+00.00 TO STA. 5+30.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0950 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_BLACKLICK TRAIL - 5+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 8:39:50 AM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

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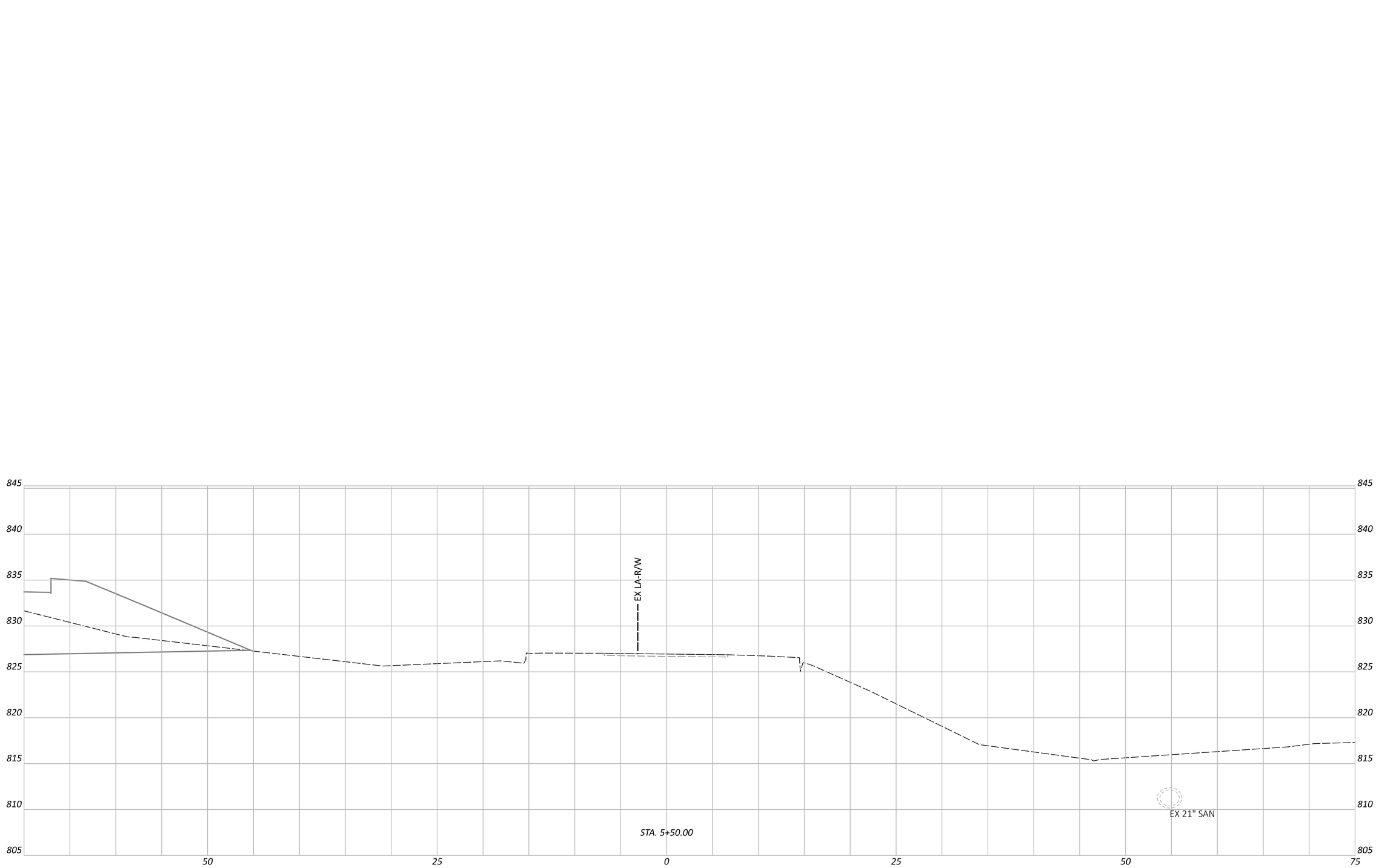


CROSS SECTIONS - BLACKLICK TRAIL
STA. 5+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0951 TOTAL P.1556

IR 70 SUPERELEVATION TRANSITION TABLE

PI STA. 32+93.91 Dc = 01° 28' 08"

WESTBOUND LANES

DESCRIPTION	OUTSIDE SHOULDER			AUX LANE			OUTSIDE LANE				MIDDLE LANE			MIDDLE LANE			INSIDE LANE			EDGE OF PAVEMENT (PGL)	INSIDE SHOULDER			STATION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	LANE CROSS SLOPE	LANE WIDTH	LANE LINE ELEVATION	TRANSITION RATE	LANE CROSS SLOPE	LANE WIDTH	LANE LINE ELEVATION	LANE CROSS SLOPE	LANE WIDTH	LANE LINE ELEVATION	LANE CROSS SLOPE	LANE WIDTH	LANE LINE ELEVATION	LANE CROSS SLOPE	LANE WIDTH		SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
	864.35	-0.040	10.00				863.95		-0.020	12.00	864.19	-0.015	12.00	864.37	-0.009	12.00	864.48	0.020	12.00	864.24	10.00	-0.040	863.84	22+00.00
	864.34	-0.040	10.00				863.94		-0.020	12.00	864.18	-0.016	12.00	864.38	-0.009	12.00	864.48	0.019	12.00	864.25	10.00	-0.040	863.85	22+25.00
	864.32	-0.040	10.00				863.92		-0.020	12.00	864.16	-0.017	12.00	864.37	-0.009	12.00	864.48	0.019	12.00	864.25	10.00	-0.040	863.85	22+50.00
	864.28	-0.040	10.00				863.88		-0.020	12.00	864.11	-0.018	12.00	864.33	-0.012	12.00	864.47	0.019	12.00	864.24	10.00	-0.040	863.84	22+75.00
	864.21	-0.040	10.00				863.81		-0.020	12.00	864.05	-0.017	12.00	864.25	-0.012	12.00	864.40	0.016	12.00	864.20	10.00	-0.040	863.80	23+00.00
NC	864.10	-0.040	10.00				863.70	250:1	-0.020	12.00	863.94	-0.017	12.00	864.14	-0.013	12.00	864.29	0.013	12.00	864.14	10.00	-0.040	863.74	23+25.00
	863.96	-0.040	10.00				863.56	250:1	-0.020	12.00	863.80	-0.019	12.00	864.02	-0.012	12.00	864.16	0.010	12.00	864.04	10.00	-0.040	863.64	23+50.00
HALF FLAT	863.79	-0.040	10.00				863.39	250:1	-0.020	12.00	863.63	-0.019	12.00	863.87	-0.014	12.00	864.04	0.009	12.00	863.92	10.00	-0.040	863.52	23+75.00
	863.63	-0.040	10.00	863.23	-0.007	0.35	863.23	250:1	-0.020	12.00	863.47	-0.019	12.00	863.70	-0.018	12.00	863.91	0.007	12.00	863.83	10.00	-0.040	863.43	24+00.00
RC	863.43	-0.040	10.00	863.03	-0.017	0.85	863.04	250:1	-0.020	12.00	863.28	-0.020	12.00	863.52	-0.020	12.00	863.75	0.000	12.00	863.75	10.00	-0.040	863.35	24+25.00
	863.20	-0.040	10.00	862.80	-0.021	1.35	862.83	250:1	-0.020	12.00	863.07	-0.021	12.00	863.32	-0.021	12.00	863.57	-0.007	12.00	863.66	10.00	-0.040	863.26	24+50.00
	862.93	-0.040	10.00	862.53	-0.021	1.85	862.57	250:1	-0.023	12.00	862.84	-0.023	12.00	863.11	-0.025	12.00	863.41	-0.011	12.00	863.55	10.00	-0.040	863.15	24+75.00
	862.65	-0.040	10.00	862.25	-0.027	2.35	862.31	250:1	-0.026	12.00	862.62	-0.024	12.00	862.91	-0.028	12.00	863.25	-0.016	12.00	863.44	10.00	-0.040	863.04	25+00.00
	862.36	-0.040	10.00	861.96	-0.031	2.84	862.05	250:1	-0.029	12.00	862.40	-0.027	12.00	862.72	-0.032	12.00	863.09	-0.020	12.00	863.34	10.00	-0.040	862.94	25+25.00
	862.18	-0.040	10.00	861.78	-0.032	3.16	861.88	250:1	-0.031	12.00	862.25	-0.051	12.00	862.86	-0.012	12.00	863.00	-0.022	12.00	863.27	10.00	-0.040	862.87	25+40.30
	862.06	-0.040	10.00	861.66	-0.032	3.34	861.77	250:1	-0.032	12.00	862.16	-0.066	12.00	862.95	0.000	12.00	862.95	-0.023	12.00	863.22	10.00	-0.040	862.82	25+50.00
	861.69	-0.040	10.00	861.29	-0.035	3.84	861.43	250:1	-0.036	12.00	861.85	-0.035	12.00	862.28	-0.041	12.00	862.77	-0.028	12.00	863.11	10.00	-0.040	862.71	25+75.00
	861.30	-0.040	10.00	860.90	-0.040	4.34	861.07	250:1	-0.039	12.00	861.54	-0.041	12.00	862.03	-0.044	12.00	862.56	-0.031	12.00	862.93	10.00	-0.039	862.54	26+00.00
	860.14	-0.042	10.00	860.56	-0.042	4.84	860.76	250:1	-0.042	12.00	861.27	-0.043	12.00	861.79	-0.046	12.00	862.34	-0.036	12.00	862.77	10.00	-0.034	862.43	26+25.00
	859.76	-0.045	10.00	860.21	-0.045	5.34	860.45	250:1	-0.046	12.00	861.00	-0.046	12.00	861.55	-0.048	12.00	862.12	-0.038	12.00	862.59	10.00	-0.032	862.27	26+50.00
	859.35	-0.049	10.00	859.84	-0.049	5.84	860.13	250:1	-0.049	12.00	860.71	-0.048	12.00	861.29	-0.050	12.00	861.88	-0.045	12.00	862.42	10.00	-0.025	862.17	26+75.00
	858.92	-0.053	10.00	859.45	-0.053	6.34	859.78	250:1	-0.052	12.00	860.41	-0.050	12.00	861.00	-0.057	12.00	861.68	-0.042	12.00	862.19	10.00	-0.028	861.91	27+00.00
	858.55	-0.055	10.00	859.10	-0.055	6.84	859.48	250:1	-0.055	12.00	860.14	-0.051	12.00	860.75	-0.056	12.00	861.42	-0.049	12.00	862.00	10.00	-0.021	861.79	27+25.00
	858.18	-0.058	10.00	858.76	-0.058	7.34	859.19	250:1	-0.059	12.00	859.89	-0.051	12.00	860.50	-0.057	12.00	861.19	-0.054	12.00	861.83	10.00	-0.016	861.67	27+50.00
BEGIN FS	857.77	-0.062	10.00	858.39	-0.062	7.84	858.87	250:1	-0.062	12.00	859.62	-0.055	12.00	860.28	-0.063	12.00	861.04	-0.052	12.00	861.66	10.00	-0.018	861.48	27+75.00
	857.44	-0.062	10.00	858.06	-0.062	8.34	858.58		-0.062	12.00	859.32	-0.060	12.00	860.04	-0.067	12.00	860.84	-0.048	12.00	861.42	10.00	-0.022	861.20	28+00.00
	857.11	-0.062	10.00	857.73	-0.062	8.84	858.28		-0.063	12.00	859.03	-0.063	12.00	859.78	-0.068	12.00	860.59	-0.047	12.00	861.16	10.00	-0.027	860.89	28+25.00
	856.81	-0.062	10.00	857.43	-0.062	9.34	858.01		-0.063	12.00	858.76	-0.066	12.00	859.55	-0.061	12.00	860.28	-0.053	12.00	860.92	10.00	-0.017	860.75	28+50.00
	856.53	-0.062	10.00	857.15	-0.062	9.84	857.76		-0.062	12.00	858.50	-0.067	12.00	859.30	-0.058	12.00	859.99	-0.057	12.00	860.67	10.00	-0.013	860.54	28+75.00
	856.26	-0.062	10.00	856.88	-0.062	10.34	857.52		-0.062	12.00	858.26	-0.063	12.00	859.02	-0.067	12.00	859.82	-0.047	12.00	860.39	10.00	-0.023	860.16	29+00.00
	855.96	-0.062	10.00	856.58	-0.062	10.84	857.25		-0.062	12.00	857.99	-0.062	12.00	858.73	-0.062	12.00	859.47	-0.052	12.00	860.09	10.00	-0.018	859.91	29+25.00
	855.65	-0.063	10.00	856.28	-0.063	11.34	856.99		-0.062	12.00	857.73	-0.059	12.00	858.44	-0.062	12.00	859.18	-0.050	12.00	859.78	10.00	-0.020	859.58	29+50.00
	855.37	-0.063	10.00	855.99	-0.063	11.84	856.73		-0.062	12.00	857.47	-0.057	12.00	858.15	-0.058	12.00	858.84	-0.054	12.00	859.49	10.00	-0.016	859.33	29+75.00
	855.09	-0.062	10.00	855.71	-0.062	12.00	856.45		-0.063	12.00	857.20	-0.057	12.00	857.88	-0.056	12.00	858.55	-0.055	12.00	859.21	10.00	-0.015	859.06	30+00.00
	854.78	-0.062	10.00	855.40	-0.062	12.00	856.14		-0.062	12.00	856.88	-0.060	12.00	857.60	-0.058	12.00	858.30	-0.052	12.00	858.92	10.00	-0.018	858.74	30+25.00
	854.45	-0.062	10.00	855.07	-0.062	12.00	855.81		-0.063	12.00	856.56	-0.060	12.00	857.28	-0.059	12.00	857.99	-0.053	12.00	858.63	10.00	-0.017	858.46	30+50.00
	854.15	-0.060	10.00	854.75	-0.060	12.00	855.47		-0.063	12.00	856.22	-0.061	12.00	856.95	-0.062	12.00	857.69	-0.052	12.00	858.32	10.00	-0.018	858.14	30+75.00
	853.74	-0.062	10.00	854.36	-0.062	12.00	855.10		-0.063	12.00	855.85	-0.063	12.00	856.61	-0.067	12.00	857.41	-0.049	12.00	858.00	10.00	-0.021	857.79	31+00.00
	853.42	-0.062	10.00	854.04	-0.062	12.00	854.78		-0.063	12.00	855.53	-0.062	12.00	856.27	-0.060	12.00	856.99	-0.056	12.00	857.66	10.00	-0.014	857.52	31+25.00
	853.11	-0.062	10.00	853.73	-0.062	12.00	854.47		-0.063	12.00	855.22	-0.060	12.00	855.94	-0.061	12.00	856.67	-0.054	12.00	857.32	10.00	-0.016	857.16	31+50.00
	852.75	-0.062	10.00	853.37	-0.062	12.00	854.11		-0.063	12.00	854.86	-0.061	12.00	855.59	-0.060	12.00	856.31	-0.054	12.00	856.96	10.00	-0.016	856.80	31+75.00
	852.40	-0.062	10.00	853.02	-0.062	12.00	853.76		-0.062	12.00	854.50	-0.061	12.00	855.23	-0.059	12.00	855.94	-0.053	12.00	856.58	10.00	-0.017	856.41	32+00.00
	852.04	-0.063	10.00	852.66	-0.063	12.00	853.41		-0.062	12.00	854.15	-0.058	12.00	854.85	-0.059	12.00	855.56	-0.052	12.00	856.18	10.00	-0.017	856.01	32+25.00
	851.64	-0.062	10.00	852.26	-0.062	12.00	853.00		-0.063	12.00	853.75	-0.058	12.00	854.44	-0.059	12.00	855.15	-0.052	12.00	855.77	10.00	-0.018	855.59	32+50.00
	851.20	-0.062	10.00	851.82	-0.062	12.00	852.56		-0.063	12.00	853.31	-0.058	12.00	854.01	-0.061	12.00	854.74	-0.052	12.00	855.36	10.00	-0.018	855.18	32+75.00
	850.78	-0.063	10.00	851.40	-0.063	12.00	852.15		-0.062	12.00	852.89	-0.058	12.00	853.59	-0.060	12.00	854.31	-0.053	12.00	854.94	10.00	-0.017	854.77	33+00.00
	850.37	-0.062	10.00	850.99	-0.062	12.00	851.73		-0.063	12.00	852.48	-0.056	12.00	853.15	-0.060	12.00	853.87	-0.054	12.00	854.52	10.00	-0.016	854.36	33+25.00
	849.95	-0.062	10.00	850.57	-0.062	12.00	851.31		-0.062	12.00	852.05	-0.058	12.00	852.75	-0.058	12.00	853.45	-0.053	12.00	854.09	10.00	-0.017	853.92	33+50.00
	849.54	-0.063	10.00	850.16	-0.063	12.00	850.91		-0.062	12.00	851.65	-0.058	12.00	852.34	-0.057	12.00	853.03	-0.052	12.00	853.65	10.00	-0.018	853.47	33+75.00
	849.14	-0.062	10.00	849.76	-0.062	12.00	850.50		-0.063	12.00	851.25	-0.051	12.00	851.86	-0.059	12.00	852.57	-0.051	12.00	853.18	10.00	-0.019	852.99	34+00.00
	848.68	-0.062	10.00	849.30	-0.062	12.00	850.04		-0.063	12.00	850.79	-0.053	12.00	851.43	-0.057	12.00	852.11	-0.052	12.00	852.73	10.00	-0.018	852.55	34+25.00
	848.19	-0.062	10.00	848.81	-0.062	12.00	849.55		-0.062	12.00	850.29	-0.053	12.00	850.93	-0.059	12.00	851.64	-0.052	12.00	852.26	10.00	-0.018	852.08	34+50.00
	847.72	-0.062	10.00	848.34	-0.062	12.00	849.08		-0.062	12.00	849.82	-0.053	12.00	850.46	-0.061	12.00	851.19	-0.051	12.00	851.80	10.00	-0.019	851.61	34+75.00
	847.25	-0.062	10.00	847.87	-0.062	12.00	848.61		-0.063	12.00	849.36	-0.056	12.00	850.03	-0.059	12.00	850.74	-0.050	12.00	851.34	10.00	-0.020	851.14	35+00.00
	846.78	-0.062	10.00	847.40	-0.062	12.00	848.14		-0.062	12.00	848.88	-0.056	12.00	849.55	-0.061	12.00	850.28	-0.048	12.00	850.86	10.00	-0.022	850.64	35+25.00
	846.29	-0.062	10.00	846.91	-0.062	12.00	847.65		-0.063	12.00	848.40	-0.052	12.00	849.03	-0.062	12.00	849.77	-0.049	12.00	850.36	10.00	-0.021	850.15	35+50.00
	845.80	-0.062	10.00	846.42	-0.062	12.00	847.16		-0.062	12.00	847.90	-0.053	12.00	848.54	-0.063	12.00	849.29	-0.046	12.00	849.84	10.00	-0.024	849.60	35+75.00
	845.32	-0.062	10.00	845.94	-0.062	12.00	846.68		-0.062	12.00	847.42	-0.052	12.00	848.05	-0.062	12.00	848.79	-0.046	12.00	849.34	10.00	-0.024	849.10	36+00.00
	844.82	-0.062	10.00	845.44	-0.062	12.00	846.18		-0.063	12.00	846.93	-0.053	12.00	847.57	-0.063	12.00	848.32	-0.045	12.00	848.86	10.00	-0.024	848.62	36+25.00
	844.29	-0.062	10.00	844.91	-0.062	12.00	845.65		-0.062	12.00	846.39	-0.058	12.00	847.09	-0.063	12.00	847.84	-0.047	12.00	848.40	10.00	-0.023	848.17	36+50.00
	843.74	-0.063	10.00	844.36	-0.063	12.00	845.11		-0.062	12.00	845.85	-0.061	12.00	846.58	-0.062	12.00	847.32	-0.047	12.00	847.89	10.00	-0.022	847.67	36+75.00
	843.23	-0.062	10.00	843.85	-0.062	12.00	844.59		-0.063	12.00	845.34	-0.059	12.00	846.05	-0.062	12.00	846.79	-0.048	12.00	847.37	10.00	-0.022	847.15	37+00.00
	842.73	-0.063	10.00	843.35	-0.063	12.00	844.10		-0.062	12.00	844.84	-0.057	12.00	845.53	-0.061	12.00	846.26	-0.050	12.00	846.86	10.00	-0.020	846.66	37+25.00
	842.23	-0.062	10.00	842.85	-0.062	12.00	843.59		-0.063	12.00	844.34	-0.056	12.00	845.01	-0.063	12.00	845.76	-0.050	12.00	846.36	10.00	-0.020	846.16	37+50.00
END FS	841.73	-0.062	10.00	842.35	-0.062	12.00	843.09	250:1	-0.062	12.00	843.83	-0.056	12.00	844.51	-0.063	12.00	845.26	-0.050	12.00	845.86	10.00	-0.020	845.66	37+75.00
	841.37	-0.059	10.00	841.96	-0.059	12.00	842.67	250:1	-0.059	12.00	843.37	-0.055	12.00	844.03	-0.061	12.00	844.76	-0.049	12.00	845.36	10.00	-0.021	845.15	38+00.00
	841.08	-0.056	10.00	841.64	-0.056	12.00	842.31	250:1	-0.055	12.00	842.97	-0.052	12.00	843.60	-0.059	12.00	844.31	-0.048	12.00	844.88	10.00	-0.022	844.66	38+25.00
	840.81	-0.052	10.00	841.33	-0.052	12.00	841.95	250:1	-0.052	12.00	842.58	-0.049	12.00	843.17	-0.057	12.00	843.86	-0.047	12.00	844.42	10.00	-0.023	844.19	38+50.00
	840.52	-0.049	10.00	841.01	-0.049	12.00	841.59	250:1	-0.049	12.00	842.18	-0.049	12.00	842.77	-0.054	12.00	843.41	-0.044	12.00	843.94	10.00	-0.026	843.68	38+75.00
	840.27	-0.046	10.00	840.73	-0.046	12.00	841.28	250:1	-0.046	12.00	841.83	-0.046	12.00	842.38	-0.050	12.00	842.97	-0.040	12.00	843.45	10.00	-0.030	843.15	39+00.00
	840.03	-0.042	10.00	840.45	-0.042	12.00	840.96	250:1	-0.042	12.00	841.46	-0.041	12.00	841.96	-0.046	12.00	842.52	-0.036	12.00	842.95	10.00	-0.033	842.62	39+25.00
	839.73	-0.040	10.00	840.13	-0.039	12.00	840.60	250:1	-0.039	12.00	841.07	-0.039	12.00	841.54	-0.043	12.00	842.06	-0.033	12.00	842.46	10.00	-0.037	842.09	39+50.00
	839.40	-0.040	10.00	839.80	-0.036	12.00	840.23	250:1	-0.036	12.00	840.66	-0.038	12.00	841.11	-0.040	12.00	841.59	-0.031	12.00	841.96	10.00	-0.039	841.57	39+75.00
	839.09	-0.040	10.00	839.49	-0.032	12.00	839.88	250:1	-0.032	12.00	840.27	-0.035	12.00	840.69	-0.037	12.00	841.13	-0.028	12.00	841.47	10.00	-0.040	841.07	40+00.00
	838.79	-0.040	10.00	839.19	-0.029	12.00	839.54	250:1	-0.029	12.00	839.89	-0.030	12.00	840.26	-0.034	12.00	840.66	-0.024	12.00	840.95	10.00	-0.040	840.55	40+25.00
	838.76	-0.040	10.00	839.16	-0.027	12.00	839.48	250:1	-0.029	12.00	839.83	-0.030	12.00	840.19	-0.032	12.00	840.58	-0.023	12.00	840.86	10.00	-0.040	840.46	40+29.18
	838.49	-0.040	10.00	838.89	-0.026	12.00	839.20	250:1	-0.026	12.00	839.51	-0.027	12.00	839.83	-0.030	12.00	840.19	-0.020	12.00	840.42	10.00	-0.040	840.02	40+50.00
	838.21	-0.040	10.00	838.61	-0.022	12.00	838.88	250:1	-0.023	12.00	839.15	-0.025	12.00	839.44	-0.024	12.00	839.74	-0.015	12.00	839.91	10.00	-0.040	839.51	40+75.00
	837.93	-0.040	10.00	838.33	-0.020	12.00	838.57	250:1	-0.020	12.00	838.81	-0.020	12.00	839.05	-0.021	12.00	839.30	-0.010	12.00	839.42	10.00	-0.040	839.02	41+00.00
RC	837.57	-0.040	10.00	837.97	-0.020	12.00	838.21	250:1	-0.020	12.00	838.45	-0.018	12.00	838.67	-0.018	12.00	838.88	-0.006	12.00	838.96	10.00	-0.040	838.56	41+25.00
	837.20	-0.040	10.00	837.60	-0.020	12.00	837.84	250:1	-0.020	12.00	838.08	-0.019	12.00	838.31	-0.014	12.00	838.48	-0.002	12.00	838.51	10.00	-0.040	838.11	41+50.00
HALF FLAT	836.89	-0.040	10.00	837.29	-0.020	12.00	837.53	250:1	-0.020	12.00	837.77	-0.017	12.00	837.97	-0.013	12.00	838.13	0.005	12.00	838.06	10.00	-0.040	837.66	41+75.00
	836.60	-0.040	10.00	837.00	-0.020	12.00	837.24	250:1	-0.020	12.00	837.48	-0.017	12.00	837.69	-0.009	12.00	837.80	0.012	12.00	837.66	10.00	-0.040	837.26	42+00.00
NC	836.32	-0.040	10.00	836.72	-0.020	12.00	836.96	250:1	-0.020	12.00	837.20	-0.018	12.00	837.42	-0.005	12.00	837.48	0.015	12.00	837.29	10.00	-0.040	836.89	42+25.00
																								42+50.00
																								42+75.00
																								43+00.00
																								43+25.00
																								43+50.00

FOR EASTBOUND LANES, SEE SHEET P.0953

SUPERELEVATION TABLE
IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0952 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 1 - IR 70 1 WB PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:04 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE0001.dgn

IR 70 SUPERELEVATION TRANSITION TABLE

PI STA. 32+93.91 Dc = 01° 28' 08"

EASTBOUND LANES

STATION	INSIDE SHOULDER			EDGE OF PAVEMENT (PGL)	INSIDE LANE			MIDDLE LANE			OUTSIDE LANE			AUX LANE				AUX LANE			OUTSIDE SHOULDER			DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH		LANE WIDTH	LANE CROSS SLOPE	LANE LINE ELEVATION	LANE WIDTH	LANE CROSS SLOPE	LANE LINE ELEVATION	LANE WIDTH	LANE CROSS SLOPE	LANE LINE ELEVATION	LANE WIDTH	LANE CROSS SLOPE	TRANSISTION RATE	LANE LINE ELEVATION	LANE WIDTH	LANE CROSS SLOPE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
22+00.00	863.85	-0.040	10.00	864.25	12.00	0.023	864.52	12.00	-0.018	864.31	12.00	-0.014	864.14	12.00	-0.016	250:1	863.95	12.00	-0.016	863.76	10.00	-0.040	863.36	NC
22+25.00	863.82	-0.040	10.00	864.22	12.00	0.023	864.51	12.00	-0.017	864.30	12.00	-0.013	864.15	12.00	-0.012	250:1	864.01	12.00	-0.012	863.87	10.00	-0.040	863.47	
22+50.00	863.81	-0.040	10.00	864.21	12.00	0.023	864.48	12.00	-0.016	864.29	12.00	-0.011	864.16	12.00	-0.008	250:1	864.06	12.00	-0.008	863.97	10.00	-0.040	863.57	
22+75.00	863.78	-0.040	10.00	864.18	12.00	0.023	864.46	12.00	-0.013	864.29	12.00	-0.012	864.15	12.00	-0.004	250:1	864.10	12.00	-0.004	864.06	10.00	-0.040	863.66	
23+00.00	863.75	-0.040	10.00	864.15	12.00	0.021	864.40	12.00	-0.011	864.27	12.00	-0.010	864.14	12.00	0.000	250:1	864.14	12.00	0.000	864.14	10.00	-0.040	863.74	HALF FLAT
23+25.00	863.71	-0.040	10.00	864.11	12.00	0.020	864.35	12.00	-0.008	864.26	12.00	-0.008	864.16	12.00	0.004	250:1	864.21	12.00	0.004	864.26	10.00	-0.040	863.86	
23+50.00	863.65	-0.040	10.00	864.05	12.00	0.020	864.30	12.00	-0.004	864.25	12.00	-0.004	864.21	12.00	0.008	250:1	864.30	12.00	0.008	864.40	10.00	-0.040	864.00	
23+75.00	863.60	-0.040	10.00	864.00	12.00	0.018	864.22	12.00	0.003	864.26	12.00	-0.001	864.24	12.00	0.012	250:1	864.39	12.00	0.012	864.53	10.00	-0.040	864.13	
24+00.00	863.53	-0.040	10.00	863.93	12.00	0.023	864.21	12.00	0.004	864.25	12.00	0.002	864.28	12.00	0.016	250:1	864.47	12.00	0.016	864.66	10.00	-0.040	864.26	RC
24+25.00	863.45	-0.040	10.00	863.85	12.00	0.024	864.14	12.00	0.010	864.26	12.00	0.003	864.30	12.00	0.019	250:1	864.53	12.00	0.019	864.76	10.00	-0.040	864.36	
24+50.00	863.35	-0.040	10.00	863.75	12.00	0.028	864.09	12.00	0.013	864.24	12.00	0.007	864.33	12.00	0.022	250:1	864.59	12.00	0.022	864.86	10.00	-0.040	864.46	
24+75.00	863.23	-0.040	10.00	863.63	12.00	0.032	864.02	12.00	0.015	864.20	12.00	0.014	864.36	12.00	0.025	250:1	864.67	12.00	0.025	864.97	10.00	-0.040	864.57	
25+00.00	863.09	-0.040	10.00	863.49	12.00	0.035	863.92	12.00	0.019	864.14	12.00	0.021	864.39	12.00	0.028	250:1	864.73	12.00	0.028	865.07	10.00	-0.040	864.67	
25+25.00	862.96	-0.040	10.00	863.36	12.00	0.038	863.82	12.00	0.025	864.12	12.00	0.022	864.38	12.00	0.031	250:1	864.76	12.00	0.031	865.13	10.00	-0.039	864.74	
24+40.30	862.89	-0.040	10.00	863.29	12.00	0.040	863.77	12.00	0.026	864.08	12.00	0.025	864.38	12.00	0.021	250:1	864.78	12.00	0.021	865.17	10.00	-0.039	864.78	
25+50.00	862.81	-0.042	10.00	863.24	12.00	0.042	863.74	12.00	0.026	864.06	12.00	0.027	864.38	12.00	0.034	250:1	864.79	12.00	0.034	865.20	10.00	-0.036	864.84	
25+75.00	862.71	-0.041	10.00	863.12	12.00	0.041	863.62	12.00	0.032	864.00	12.00	0.029	864.35	12.00	0.037	250:1	864.80	12.00	0.037	865.25	10.00	-0.033	864.92	
26+00.00	862.56	-0.044	10.00	863.00	12.00	0.044	863.52	12.00	0.034	863.93	12.00	0.032	864.32	12.00	0.041	250:1	864.81	12.00	0.041	865.29	10.00	-0.029	865.00	
26+25.00	862.43	-0.044	10.00	862.87	12.00	0.044	863.41	12.00	0.037	863.85	12.00	0.035	864.27	12.00	0.044	250:1	864.80	12.00	0.044	865.32	10.00	-0.026	865.06	
26+50.00	862.26	-0.047	10.00	862.73	12.00	0.047	863.30	12.00	0.039	863.77	12.00	0.037	864.22	12.00	0.047	250:1	864.78	12.00	0.047	865.35	10.00	-0.023	865.12	
26+75.00	862.10	-0.049	10.00	862.59	12.00	0.049	863.19	12.00	0.043	863.70	12.00	0.036	864.14	12.00	0.050	250:1	864.73	12.00	0.050	865.33	10.00	-0.020	865.13	
27+00.00	861.86	-0.055	10.00	862.41	12.00	0.055	863.07	12.00	0.045	863.61	12.00	0.038	864.06	12.00	0.053	250:1	864.70	12.00	0.053	865.33	10.00	-0.017	865.16	
27+25.00	861.60	-0.060	10.00	862.20	12.00	0.060	862.92	12.00	0.046	863.48	12.00	0.041	863.96	12.00	0.056	250:1	864.63	12.00	0.056	865.30	10.00	-0.014	865.16	
27+50.00	861.33	-0.064	10.00	861.97	12.00	0.064	862.74	12.00	0.048	863.31	12.00	0.043	863.83	12.00	0.059	250:1	864.54	12.00	0.059	865.24	10.00	-0.011	865.13	
27+75.00	861.09	-0.063	10.00	861.72	12.00	0.063	862.47	12.00	0.055	863.13	12.00	0.043	863.64	12.00	0.062	250:1	864.39	12.00	0.062	865.13	10.00	-0.008	865.21	BEGIN FS
28+00.00	860.81	-0.066	10.00	861.47	12.00	0.066	862.26	12.00	0.052	862.89	12.00	0.045	863.43	12.00	0.062		864.17	12.00	0.062	864.91	10.00	-0.008	864.99	
28+25.00	860.56	-0.067	10.00	861.23	12.00	0.067	862.03	12.00	0.053	862.67	12.00	0.043	863.19	12.00	0.062		863.94	12.00	0.062	864.68	10.00	-0.008	864.76	
28+50.00	860.36	-0.066	10.00	861.02	12.00	0.066	861.81	12.00	0.054	862.46	12.00	0.043	862.98	12.00	0.062		863.73	12.00	0.062	864.47	10.00	-0.008	864.55	
28+75.00	860.13	-0.067	10.00	860.80	12.00	0.067	861.60	12.00	0.052	862.22	12.00	0.046	862.77	12.00	0.062		863.51	12.00	0.062	864.26	10.00	-0.008	864.34	
29+00.00	859.93	-0.063	10.00	860.56	12.00	0.063	861.32	12.00	0.052	861.95	12.00	0.048	862.53	12.00	0.062		863.27	12.00	0.062	864.02	10.00	-0.008	864.10	
29+25.00	859.66	-0.062	10.00	860.28	12.00	0.062	861.02	12.00	0.056	861.69	12.00	0.047	862.25	12.00	0.062		862.99	12.00	0.062	863.74	10.00	-0.008	863.82	
29+50.00	859.38	-0.063	10.00	860.00	12.00	0.063	860.75	12.00	0.055	861.41	12.00	0.046	861.96	12.00	0.062		862.71	12.00	0.062	863.45	10.00	-0.008	863.53	
29+75.00	859.10	-0.059	10.00	859.69	12.00	0.059	860.40	12.00	0.058	861.10	12.00	0.044	861.63	12.00	0.062		862.38	12.00	0.062	863.12	10.00	-0.008	863.20	
30+00.00	858.80	-0.060	10.00	859.40	12.00	0.060	860.12	12.00	0.057	860.81	12.00	0.043	861.33											
30+25.00	858.47	-0.063	10.00	859.09	12.00	0.063	859.84	12.00	0.056	860.51	12.00	0.043	861.03											
30+50.00	857.87	-0.089	10.00	858.76	12.00	0.089	859.83	12.00	0.029	860.18	12.00	0.045	860.72											
30+75.00	857.75	-0.068	10.00	858.42	12.00	0.068	859.23	12.00	0.052	859.85	12.00	0.045	860.39											
31+00.00	857.46	-0.064	10.00	858.10	12.00	0.064	858.87	12.00	0.052	859.50	12.00	0.047	860.06											
31+25.00	857.08	-0.065	10.00	857.73	12.00	0.065	858.51	12.00	0.054	859.16	12.00	0.048	859.73											
31+50.00	856.73	-0.063	10.00	857.35	12.00	0.063	858.10	12.00	0.058	858.80	12.00	0.049	859.39											
31+75.00	856.34	-0.063	10.00	856.96	12.00	0.063	857.71	12.00	0.060	858.43	12.00	0.049	859.02											
32+00.00	855.97	-0.062	10.00	856.59	12.00	0.062	857.33	12.00	0.062	858.07	12.00	0.049	858.66											
32+25.00	855.62	-0.062	10.00	856.24	12.00	0.062	856.98	12.00	0.059	857.69	12.00	0.051	858.30											
32+50.00	855.25	-0.062	10.00	855.87	12.00	0.062	856.61	12.00	0.060	857.33	12.00	0.048	857.91											
32+75.00	854.87	-0.062	10.00	855.49	12.00	0.062	856.23	12.00	0.060	856.95	12.00	0.048	857.53											
33+00.00	854.48	-0.062	10.00	855.10	12.00	0.062	855.84	12.00	0.058	856.54	12.00	0.050	857.14											
33+25.00	854.14	-0.058	10.00	854.72	12.00	0.058	855.42	12.00	0.061	856.15	12.00	0.048	856.73											
33+50.00	853.75	-0.058	10.00	854.33	12.00	0.058	855.03	12.00	0.058	855.73	12.00	0.046	856.28											
33+75.00	853.33	-0.058	10.00	853.91	12.00	0.058	854.61	12.00	0.058	855.31	12.00	0.045	855.85											
34+00.00	852.88	-0.058	10.00	853.46	12.00	0.058	854.16	12.00	0.058	854.86	12.00	0.046	855.41											
34+25.00	852.46	-0.057	10.00	853.03	12.00	0.057	853.71	12.00	0.057	854.39	12.00	0.045	854.93											
34+50.00	852.03	-0.055	10.00	852.58	12.00	0.055	853.24	12.00	0.057	853.92	12.00	0.045	854.46											
34+75.00	851.53	-0.056	10.00	852.09	12.00	0.056	852.76	12.00	0.059	853.47	12.00	0.042	853.98											
35+00.00	851.01	-0.058	10.00	851.59	12.00	0.058	852.29	12.00	0.060	853.01	12.00	0.042	853.51											
35+25.00	848.65	-0.144	10.00	850.09	12.00	0.144	851.82	12.00	0.061	852.55	12.00	0.043	853.07											
35+50.00	850.00	-0.061	10.00	850.61	12.00	0.061	851.34	12.00	0.060	852.06	12.00	0.043	852.57											
35+75.00	849.54	-0.059	10.00	850.13	12.00	0.059	850.84	12.00	0.061	851.57	12.00	0.042	852.08											
36+00.00	849.06	-0.059	10.00	849.65	12.00	0.059	850.36	12.00	0.058	851.06	12.00	0.044	851.59											
36+25.00	848.54	-0.060	10.00	849.14	12.00	0.060	849.86	12.00	0.059	850.57	12.00	0.044	851.10											
36+50.00	848.05	-0.059	10.00	848.64	12.00	0.059	849.35	12.00	0.060	850.07	12.00	0.045	850.61											
36+75.00	847.54	-0.059	10.00	848.13	12.00	0.059	848.84	12.00	0.058	849.54	12.00	0.047	850.10											
37+00.00	847.04	-0.059	10.00	847.63	12.00	0.059	848.34	12.00	0.057	849.03	12.00	0.047	849.59											
37+25.00	846.52	-0.060	10.00	847.12	12.00	0.060	847.84	12.00	0.057	848.53	12.00	0.047	849.09											
37+50.00	846.00	-0.060	10.00	846.60	12.00	0.060	847.32	12.00	0.058	848.02	12.00	0.047	848.58											
37+75.00	845.50	-0.060	10.00	846.10	12.00	0.060	846.81	12.00	0.057	847.49	12.00	0.047	848.05											END FS
38+00.00	845.02	-0.058	10.00	845.60	12.00	0.058	846.30	12.00	0.055	846.96	12.00	0.045	847.50											
38+25.00	844.58	-0.054	10.00	845.12	12.00	0.054	845.77	12.00	0.052	846.40	12.00	0.044	846.92											
38+50.00	844.11	-0.052	10.00	844.63	12.00	0.052	845.25	12.00	0.048	845.83	12.00	0.041	846.32											
38+75.00	843.64	-0.048	10.00	844.12	12.00	0.048	844.70	12.00	0.047	845.26	12.00	0.038	845.72											
39+00.00	843.15	-0.046	10.00	843.60	12.00	0.046	844.15	12.00	0.045	844.69	12.00	0.036	845.11											
39+25.00	842.62	-0.044	10.00	843.06	12.00	0.044	843.60	12.00	0.043	844.11	12.00	0.031	844.48											
39+50.00	842.11	-0.043	10.00	842.54	12.00	0.043	843.06	12.00	0.039	843.53	12.00	0.027	843.85											
39+75.00	841.62	-0.042	10.00	842.04	12.00	0.042	842.55	12.00	0.033	842.94	12.00	0.025	843.24											
40+00.00	841.13	-0.040	10.00	841.53	12.00	0.039	842.00	12.00	0.029	842.35	12.00	0.022	842.62											
40+25.00	840.62	-0.040	10.00	841.02	12.00	0.035	841.43	12.00	0.026	841.75	12.00	0.020	841.98											
40+29.18	840.53	-0.040	10.00	840.93	12.00	0.034	841.34	12.00	0.026	841.66	12.00	0.020	841.89											PT
40+50.00	840.10	-0.040	10.00	840.50	12.00	0.033	840.89	12.00	0.022	841.15	12.00	0.018	841.37											
40+75.00	839.58	-0.040	10.00	839.98	12.00	0.029	840.33	12.00	0.021	840.58	12.00	0.014	840.75											
41+00.00	839.06	-0.040	10.00	839.46	12.00	0.027	839.78	12.00	0.017	839.98	12.00	0.012	840.12											
41+25.00	838.57	-0.040	10.00	838.97	12.00	0.025	839.27	12.00	0.014	839.44	12.00	0.008	839.54											
41+50.00	838.11	-0.040	10.00	838.51	12.00	0.022	838.78	12.00	0.013	838.93	12.00	0.005	838.99											RC
41+75.00	837.70	-0.040	10.00	838.10	12.00	0.019	838.34	12.00	0.010	838.45	12.00	0.001	838.46											
42+00.00	837.31	-0.040	10.00	837.71	12.00	0.018	837.92	12.00	0.006	837.99	12.00	-0.002	837.97											
42+25.00	836.94	-0.040	10.00	837.34	12.00	0.016	837.53	12.00	0.004	837.57	12.00	-0.005	837.51											
42+50.00	836.62	-0.040	10.00	837.02	12.00	0.014	837.18	12.00	-0.001	837.18	12.00	-0.007	837.09											
42+75.00	836.36	-0.040	10.00	836.76	12.00	0.011	836.89	12.00	-0.006	836.82	12.00	-0.009	836.72											
43+00.00	836.12	-0.040	10.00	836.52	12.00	0.008	836.62	12.00	-0.010	836.50	12.00	-0.011	836.37											
43+25.00	835.90	-0.040	10.00	836.30	12.00	0.007	836.39	12.00	-0.014	836.22	12.00	-0.010	836.09											
43+50.00	835.72	-0.040	10.00	836.12	12.00	0.007	836.21	12.00	-0.015	836.03	12.00	-0.010	835.91											NC

FOR WESTBOUND LANES, SEE SHEET P.0952

SEE RAMP TERMINAL DETAIL

SUPERELEVATION TABLE
IR 70

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0953 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 2 - IR 70 1 EB PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:05 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

IR 70 SUPERELEVATION TRANSITION TABLE

PI STA. 126+83.38 Dc = 1° 00' 00"

WESTBOUND LANES

DESCRIPTION	OUTSIDE SHOULDER			AUX LANE			OUTSIDE LANE			MIDDLE LANE			INSIDE LANE				EDGE OF PAVEMENT (PGL)	INSIDE SHOULDER			STATION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	LANE CROSS SLOPE	LANE WIDTH	EDGE OF PAVEMENT	LANE CROSS SLOPE	LANE WIDTH	LANE LINE ELEVATION	LANE CROSS SLOPE	LANE WIDTH	LANE LINE ELEVATION	LANE CROSS SLOPE	LANE WIDTH	TRANSITION RATE		SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
	934.58	-0.040	10.00				935.08	-0.012	12.00	935.23	0.006	12.00	935.16	0.016	12.00		934.97	10.00	-0.040	934.57	113+50.00
NC	935.03	-0.040	10.00				935.55	-0.014	12.00	935.71	0.004	12.00	935.67	0.016	12.00	250:1	935.48	10.00	-0.040	935.08	113+75.00
	935.49	-0.040	10.00				936.01	-0.015	12.00	936.19	0.001	12.00	936.18	0.011	12.00	250:1	936.05	10.00	-0.040	935.65	114+00.00
	935.92	-0.040	10.00				936.44	-0.017	12.00	936.64	-0.004	12.00	936.69	0.005	12.00	250:1	936.62	10.00	-0.040	936.22	114+25.00
	936.37	-0.040	10.00				936.88	-0.015	12.00	937.05	-0.007	12.00	937.14	0.000	12.00	250:1	937.14	10.00	-0.040	936.74	114+50.00
	936.83	-0.040	10.00				937.32	-0.014	12.00	937.49	-0.011	12.00	937.62	-0.005	12.00	250:1	937.68	10.00	-0.040	937.28	114+75.00
	937.27	-0.040	10.00				937.77	-0.016	12.00	937.95	-0.013	12.00	938.11	-0.011	12.00	250:1	938.24	10.00	-0.040	937.84	115+00.00
RC	937.73	-0.040	10.00				938.15	-0.021	12.00	938.41	-0.017	12.00	938.61	-0.016	12.00	250:1	938.80	10.00	-0.040	938.40	115+25.00
	938.11	-0.040	10.00				938.59	-0.022	12.00	938.86	-0.018	12.00	939.08	-0.020	12.00	250:1	939.32	10.00	-0.040	938.92	115+50.00
PC	938.24	-0.040	10.00				938.64	-0.022	12.00	938.91	-0.018	12.00	939.13	-0.021	12.00	250:1	939.38	10.00	-0.040	938.98	115+53.01
	938.52	-0.040	10.00				939.02	-0.026	12.00	939.32	-0.022	12.00	939.58	-0.025	12.00	250:1	939.88	10.00	-0.040	939.48	115+75.00
	938.90	-0.040	10.00				939.42	-0.029	12.00	939.77	-0.025	12.00	940.07	-0.029	12.00	250:1	940.42	10.00	-0.040	940.02	116+00.00
	939.35	-0.040	10.00				939.83	-0.032	12.00	940.22	-0.029	12.00	940.57	-0.033	12.00	250:1	940.96	10.00	-0.037	940.59	116+25.00
	939.82	-0.040	10.00				940.28	-0.034	12.00	940.69	-0.032	12.00	941.07	-0.038	12.00	250:1	941.52	10.00	-0.032	941.20	116+50.00
BEGIN FS	940.26	-0.040	10.00				940.76	-0.036	12.00	941.19	-0.035	12.00	941.61	-0.042	12.00	250:1	942.11	10.00	-0.028	941.83	116+75.00
	940.68	-0.040	10.00				941.23	-0.037	12.00	941.68	-0.036	12.00	942.11	-0.042	12.00		942.61	10.00	-0.028	942.33	117+00.00
	941.15	-0.040	10.00				941.70	-0.038	12.00	942.16	-0.037	12.00	942.60	-0.042	12.00		943.10	10.00	-0.028	942.82	117+25.00
	941.67	-0.040	10.00				942.21	-0.039	12.00	942.68	-0.036	12.00	943.11	-0.042	12.00		943.61	10.00	-0.028	943.33	117+50.00
	942.15	-0.042	10.00				942.70	-0.042	12.00	943.20	-0.036	12.00	943.63	-0.042	12.00		944.13	10.00	-0.028	943.85	117+75.00
	942.61	-0.042	10.00				943.20	-0.042	12.00	943.70	-0.026	12.00	944.01	-0.042	12.00		944.63	10.00	-0.028	944.35	118+00.00
	943.11	-0.043	10.00				943.69	-0.043	12.00	944.21	-0.037	12.00	944.66	-0.042	12.00		945.16	10.00	-0.028	944.88	118+25.00
	943.60	-0.043	10.00				944.18	-0.043	12.00	944.70	-0.037	12.00	945.15	-0.042	12.00		945.65	10.00	-0.028	945.37	118+50.00
	944.14	-0.043	10.00				944.68	-0.043	12.00	945.20	-0.037	12.00	945.65	-0.042	12.00		946.15	10.00	-0.028	945.87	118+75.00
	944.61	-0.043	10.00				945.18	-0.043	12.00	945.70	-0.036	12.00	946.13	-0.042	12.00		946.63	10.00	-0.028	946.35	119+00.00
	945.13	-0.042	10.00				945.72	-0.042	12.00	946.22	-0.035	12.00	946.64	-0.042	12.00		947.14	10.00	-0.028	946.86	119+25.00
	945.62	-0.042	10.00				946.22	-0.042	12.00	946.73	-0.035	12.00	947.15	-0.042	12.00		947.66	10.00	-0.028	947.38	119+50.00
	946.13	-0.042	10.00				946.70	-0.042	12.00	947.20	-0.037	12.00	947.65	-0.042	12.00		948.14	10.00	-0.028	947.86	119+75.00
	946.60	-0.041	10.00				947.21	-0.041	12.00	947.70	-0.037	12.00	948.14	-0.042	12.00		948.64	10.00	-0.028	948.36	120+00.00
	947.07	-0.041	10.00				947.71	-0.041	12.00	948.20	-0.037	12.00	948.64	-0.042	12.00		949.14	10.00	-0.028	948.86	120+25.00
	947.59	-0.041	10.00				948.21	-0.041	12.00	948.70	-0.037	12.00	949.14	-0.042	12.00		949.64	10.00	-0.028	949.36	120+50.00
	948.04	-0.041	10.00				948.68	-0.041	12.00	949.17	-0.038	12.00	949.62	-0.042	12.00		950.12	10.00	-0.028	949.84	120+75.00
	948.56	-0.042	10.00				949.14	-0.042	12.00	949.64	-0.038	12.00	950.10	-0.042	12.00		950.60	10.00	-0.028	950.32	121+00.00
	949.04	-0.042	10.00				949.61	-0.042	12.00	950.12	-0.038	12.00	950.58	-0.042	12.00		951.08	10.00	-0.028	950.80	121+25.00
	949.53	-0.042	10.00				950.08	-0.042	12.00	950.59	-0.038	12.00	951.05	-0.042	12.00		951.55	10.00	-0.028	951.27	121+50.00
	949.98	-0.042	10.00				950.57	-0.042	12.00	951.08	-0.038	12.00	951.54	-0.042	12.00		952.04	10.00	-0.028	951.76	121+75.00
	950.44	-0.042	10.00				951.02	-0.042	12.00	951.53	-0.039	12.00	952.00	-0.042	12.00		952.50	10.00	-0.028	952.22	122+00.00
	950.89	-0.043	10.00				951.47	-0.043	12.00	951.99	-0.039	12.00	952.46	-0.042	12.00		952.96	10.00	-0.028	952.68	122+25.00
	951.31	-0.043	10.00				951.91	-0.043	12.00	952.43	-0.040	12.00	952.91	-0.042	12.00		953.41	10.00	-0.028	953.13	122+50.00
	951.76	-0.042	10.00				952.36	-0.042	12.00	952.87	-0.039	12.00	953.34	-0.042	12.00		953.85	10.00	-0.028	953.57	122+75.00
	952.20	-0.043	10.00				952.81	-0.043	12.00	953.32	-0.039	12.00	953.79	-0.042	12.00		954.29	10.00	-0.028	954.01	123+00.00
	952.70	-0.043	10.00				953.25	-0.043	12.00	953.77	-0.038	12.00	954.23	-0.042	12.00		954.73	10.00	-0.028	954.45	123+25.00
	953.20	-0.041	10.00				953.72	-0.041	12.00	954.21	-0.037	12.00	954.66	-0.042	12.00		955.16	10.00	-0.028	954.88	123+50.00
	953.62	-0.040	10.00				954.14	-0.040	12.00	954.62	-0.038	12.00	955.08	-0.042	12.00		955.58	10.00	-0.028	955.30	123+75.00
	953.99	-0.041	10.00				954.50	-0.041	12.00	954.99	-0.038	12.00	955.44	-0.042	12.00		955.94	10.00	-0.028	955.66	124+00.00
	954.35	-0.042	10.00				954.90	-0.042	12.00	955.40	-0.036	12.00	955.83	-0.042	12.00		956.33	10.00	-0.028	956.05	124+25.00
	954.75	-0.043	10.00				955.27	-0.043	12.00	955.79	-0.037	12.00	956.23	-0.042	12.00		956.73	10.00	-0.028	956.45	124+50.00
	955.10	-0.042	10.00				955.69	-0.042	12.00	956.19	-0.036	12.00	956.62	-0.042	12.00		957.12	10.00	-0.028	956.84	124+75.00
							956.07	-0.045	12.00	956.61	-0.036	12.00	957.04	-0.042	12.00		957.54	10.00	-0.028	957.26	125+00.00
							956.48	-0.044	12.00	957.01	-0.036	12.00	957.44	-0.042	12.00		957.94	10.00	-0.028	957.66	125+25.00
							956.92	-0.046	12.00	957.47	-0.032	12.00	957.86	-0.042	12.00		958.36	10.00	-0.028	958.08	125+50.00
							957.37	-0.042	12.00	957.88	-0.032	12.00	958.26	-0.042	12.00		958.76	10.00	-0.028	958.48	125+75.00
							957.79	-0.039	12.00	958.26	-0.030	12.00	958.62	-0.042	12.00		959.12	10.00	-0.028	958.84	126+00.00
							958.19	-0.041	12.00	958.68	-0.029	12.00	959.03	-0.042	12.00		959.53	10.00	-0.028	959.25	126+25.00
	SEE RAMP TERMINAL DETAIL						958.61	-0.041	12.00	959.10	-0.032	12.00	959.49	-0.042	12.00		959.99	10.00	-0.028	959.71	126+50.00
							959.03	-0.039	12.00	959.50	-0.032	12.00	959.88	-0.042	12.00		960.38	10.00	-0.028	960.10	126+75.00
							959.46	-0.040	12.00	959.94	-0.028	12.00	960.28	-0.042	12.00		960.78	10.00	-0.028	960.50	127+00.00
							959.87	-0.038	12.00	960.33	-0.028	12.00	960.67	-0.042	12.00		961.17	10.00	-0.028	960.89	127+25.00
							960.28	-0.038	12.00	960.74	-0.029	12.00	961.09	-0.042	12.00		961.59	10.00	-0.028	961.31	127+50.00
							960.69	-0.037	12.00	961.14	-0.029	12.00	961.49	-0.042	12.00		961.99	10.00	-0.028	961.71	127+75.00
							961.10	-0.037	12.00	961.55	-0.033	12.00	961.95	-0.042	12.00		962.45	10.00	-0.028	962.17	128+00.00
							961.52	-0.038	12.00	961.97	-0.034	12.00	962.38	-0.042	12.00		962.88	10.00	-0.028	962.60	128+25.00
	960.89	-0.045	8.00	961.25	-0.045	15.50	961.95	-0.037	12.00	962.40	-0.034	12.00	962.81	-0.042	12.00		963.31	10.00	-0.028	963.03	128+50.00
	961.34	-0.045	8.00	961.70	-0.045	14.70	962.36	-0.037	12.00	962.81	-0.034	12.00	963.22	-0.042	12.00		963.72	10.00	-0.028	963.44	128+75.00
	961.78	-0.045	8.00	962.14	-0.045	14.00	962.77	-0.038	12.00	963.22	-0.034	12.00	963.63	-0.042	12.00		961.13	10.00	-0.028	960.85	129+00.00
	962.22	-0.045	8.00	962.58	-0.045	13.40	963.18	-0.039	12.00	963.65	-0.033	12.00	964.05	-0.042	12.00		964.55	10.00	-0.028	964.27	129+25.00
	962.65	-0.045	8.00	963.01	-0.045	12.91	963.59	-0.040	12.00	964.07	-0.034	12.00	964.48	-0.042	12.00		964.98	10.00	-0.028	964.70	129+50.00
	963.09	-0.045	8.00	963.45	-0.045	12.53	964.01	-0.041	12.00	964.50	-0.035	12.00	964.92	-0.042	12.00		965.42	10.00	-0.028	965.14	129+75.00
	963.45	-0.045	8.00	963.81	-0.045	12.25	964.36	-0.042	12.00	964.86	-0.033	12.00	965.26	-0.042	12.00		965.76	10.00	-0.028	965.48	130+00.00
	963.87	-0.045	8.00	964.23	-0.045	12.07	964.77	-0.042	12.00	965.27	–0.217	12.00	962.67	-0.042	12.00		966.17	10.00	-0.028	965.89	130+25.00
	964.28	-0.045	8.00	964.64	-0.045	12.00	965.18	-0.041	12.00	965.67	-0.032	12.00	966.05	-0.042	12.00		966.55	10.00	-0.028	966.27	130+50.00
	964.77	-0.042	8.00	965.10	-0.042	12.00	965.60	-0.042	12.00	966.11	-0.028	12.00	966.45	-0.042	12.00		966.95	10.00	-0.028	966.67	130+75.00
	965.13	-0.042	8.00	965.46	-0.042	12.00	965.96	-0.043	12.00	966.48	-0.034	12.00	966.89	-0.042	12.00		967.39	10.00	-0.028	967.11	131+00.00
	965.56	-0.042	8.00	965.89	-0.042	12.00	966.39	-0.042	12.00	966.89	-0.031	12.00	967.26	-0.042	12.00		967.76	10.00	-0.028	967.48	131+25.00
	965.99	-0.042	8.00	966.32	-0.042	12.00	966.82	-0.042	12.00	967.33	-0.032	12.00	967.71	-0.042	12.00		968.21	10.00	-0.028	967.93	131+50.00
	966.40	-0.042	8.00	966.73	-0.042	12.00	967.23	-0.043	12.00	967.75	-0.034	12.00	968.16	-0.042	12.00		968.66	10.00	-0.028	968.38	131+75.00
	966.86	-0.042	8.00	967.19	-0.042	12.00	967.69	-0.042	12.00	968.20	-0.029	12.00	968.55	-0.042	12.00		969.05	10.00	-0.028	968.77	132+00.00
	967.28	-0.042	8.00	967.61	-0.042	12.00	968.11	-0.043	12.00	968.63	-0.028	12.00	968.97	-0.042	12.00		969.47	10.00	-0.028	969.19	132+25.00
	967.72	-0.042	8.00	968.05	-0.042	12.00	968.55	-0.045	12.00	969.09	-0.027	12.00	969.41	-0.042	12.00		969.91	10.00	-0.028	969.63	132+50.00
	968.08	-0.042	8.00	968.41	-0.042	12.00	968.91	-0.048	12.00	969.48	-0.030	12.00	969.84	-0.042	12.00		970.34	10.00	-0.028	970.06	132+75.00
	968.48	-0.042	8.00	968.81	-0.042	12.00	969.31	-0.048	12.00	969.88	-0.029	12.00	970.23	-0.042	12.00		970.73	10.00	-0.028	970.45	133+00.00
	968.90	-0.042	8.00	969.23	-0.042	12.00	969.73	-0.044	12.00	970.26	-0.031	12.00	970.63	-0.042	12.00		971.13	10.00	-0.028	970.85	133+25.00
	969.35	-0.042	8.00	969.68	-0.042	12.00	970.18	-0.042	12.00	970.68	-0.033	12.00	971.07	-0.042	12.00		971.57	10.00	-0.028	971.29	133+50.00
	969.73	-0.042	8.00	970.06	-0.042	12.00	970.56	-0.043	12.00	971.07	-0.037	12.00	971.51	-0.042	12.00		972.01	10.00	-0.028	971.73	133+75.00
	970.15	-0.042	8.00	970.48	-0.042	12.00	970.98	-0.041	12.00	971.47	-0.040	12.00	971.95	-0.042	12.00		972.45	10.00	-0.028	972.17	134+00.00
	970.51	-0.042	8.00	970.84	-0.042	12.00	971.34	-0.044	12.00	971.87	-0.038	12.00	972.32	-0.042	12.00		972.82	10.00	-0.028	972.54	134+25.00
	970.92	-0.042	8.00	971.25	-0.042	12.00	971.75	-0.047	12.00	972.31	-0.036	12.00	972.74	-0.042	12.00		973.24	10.00	-0.028	972.96	134+50.00
	971.32	-0.042	8.00	971.65	-0.042	12.00	972.15	-0.046	12.00	972.70	-0.040	12.00	973.18	-0.042	12.00		973.67	10.00	-0.028	973.39	134+75.00
	971.73	-0.042	8.00	972.06	-0.042	12.00	972.56	-0.046	12.00	973.11	-0.040	12.00	973.59	-0.042	12.00		974.09	10.00	-0.028	973.81	135+00.00
	972.16	-0.042	8.00	972.49	-0.042	12.00	972.99	-0.044	12.00	973.52	-0.040	12.00	974.00	-0.042	12.00		974.50	10.00	-0.028	974.22	135+25.00
	972.51	-0.042	8.00	972.84	-0.042	12.00	973.34	-0.044	12.00	973.87	-0.042	12.00	974.37	-0.042	12.00		974.87	10.00	-0.028	974.59	135+50.00
	972.89	-0.042	8.00	973.22	-0.042	12.00	973.72	-0.043	12.00	974.24	-0.040	12.00	974.72	-0.042	12.00		975.22	10.00	-0.028	974.94	135+75.00
	973.26	-0.042	8.00	973.59	-0.042	12.00	974.09	-0.042	12.00	974.60	-0.041	12.00	975.09	-0.042	12.00		975.59	10.00	-0.028	975.31	136+00.00
	973.73	-0.041	8.50	974.08	-0.041	9.00	974.45	-0.043	12.00	974.97	-0.041	12.00	975.46	-0.042	12.00		975.96	10.00	-0.028	975.68	136+25.00
	974.21	-0.042	9.00	974.58	-0.042	6.00	974.83	-0.042	12.00	975.33	-0.038	12.00	975.79	-0.042	12.00		976.29	10.00	-0.028	976.01	136+50.00
END FS	974.72	-0.041	9.50	975.11	-0.041	3.00	975.23	-0.039	12.00	975.70	-0.034	12.00	976.11	-0.042	12.00	250:1	976.61	10.00	-0.028	976.33	136+75.00
	975.24	-0.040	10.00				975.64	-0.038	12.00	976.09	-0.030	12.00	976.45	-0.038	12.00	250:1	976.90	10.00	-0.320	973.70	137+00.00
	976.45	-0.040	10.00				976.05	-0.035	12.00	976.47	-0.026	12.00	976.78	-0.033	12.00	250:1	977.18	10.00	-0.040	977.58	137+25.00
	976.86	-0.040	10.00				976.46	-0.031	12.00	976.83	-0.020	12.00	977.07	-0.029	12.00	250:1	977.41	10.00	-0.040	977.81	137+50.00
	977.25	-0.040	10.00				976.85	-0.027	12.00	977.18	-0.014	12.00	977.35	-0.025	12.00	250:1	977.64	10.00	-0.040	978.04	137+75.00
PT	977.40	-0.040	10.00				977.00	-0.027	12.00	977.32	-0.011	12.00	977.46	-0.023	12.00	250:1	977.73	10.00	-0.040	978.13	137+85.08
	977.62	-0.040	10.00				977.22	-0.026	12.00	977.53	-0.008	12.00	977.62	-0.020	12.00	250:1	977.87	10.00	-0.040	978.27	138+00.00
	977.93	-0.040	10.00				977.53	-0.028	12.00	977.87	-0.003	12.00	977.91	-0.016	12.00	250:1	978.10	10.00	-0.040	978.50	138+25.00
	978.30	-0.040	10.00				977.90	-0.023	12.00	978.18	-0.000	12.00	978.18	-0.011	12.00	250:1	978.30	10.00	-0.040	978.70	138+50.00
	978.65	-0.040	10.00				978.25	-0.020	12.00	978.49	–0.003	12.00	978.45	-0.005	12.00	250:1	978.51	10.00	-0.040	978.91	138+75.00
	978.99	-0.040	10.00				978.59	-0.018	12.00	978.81	–0.007	12.00	978.73	0.000	12.00	250:1	978.73	10.00	-0.040	979.13	139+00.00
	979.31	-0.040	10.00				978.91	-0.018	12.00	979.12	–0.012	12.00	978.98	0.005	12.00	250:1	978.92	10.00	-0.040	979.32	139+25.00
	979.63	-0.040	10.00				979.23	-0.016	12.00	979.42	–0.014	12.00	979.25	0.011	12.00	250:1	979.12	10.00	-0.040	979.52	139+50.00
	979.92	-0.040	10.00				979.52	-0.016	12.00	979.71	–0.016	12.00	979.52	0.016	12.00	250:1	979.33	10.00	-0.040	979.73	139+75.00

FOR EASTBOUND LANES, SEE SHEET P.0955

SUPERELEVATION TABLE
IR 70

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0954 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 3 - IR 70 2 WB PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:06 PM USER: briederpw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE0001.dgn

IR 70 SUPERELEVATION TRANSITION TABLE

PI STA. 126+83.38 Dc = 1° 00' 00"

EASTBOUND LANES

FOR WESTBOUND LANES, SEE SHEET P.0954

STATION	INSIDE SHOULDER			EDGE OF PAVEMENT (PGL)	INSIDE LANE			MIDDLE LANE			OUTSIDE LANE				AUX LANE			OUTSIDE SHOULDER			DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH		LANE WIDTH	LANE CROSS SLOPE	LANE LINE ELEVATION	LANE WIDTH	LANE CROSS SLOPE	LANE LINE ELEVATION	LANE WIDTH	LANE CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	LANE WIDTH	LANE CROSS SLOPE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
113+50.00	934.52	-0.055	10.00	935.07	12.00	0.036	935.50	12.00	-0.016	935.32	12.00	-0.016	250:1	935.14				8.00	-0.040	934.82	NC
113+75.00	935.01	-0.057	10.00	935.58	12.00	0.033	935.98	12.00	-0.012	935.83	12.00	-0.015	250:1	935.65				8.00	-0.040	935.33	
114+00.00	935.57	-0.052	10.00	936.09	12.00	0.024	936.38	12.00	-0.005	936.33	12.00	-0.012	250:1	936.19				8.00	-0.040	935.87	
114+25.00	936.07	-0.052	10.00	936.59	12.00	0.016	936.78	12.00	0.004	936.82	12.00	-0.007	250:1	936.74				8.00	-0.040	936.42	
114+50.00	936.53	-0.049	10.00	937.02	12.00	0.017	937.23	12.00	0.009	937.34	12.00	-0.003	250:1	937.30				8.00	-0.040	936.98	
114+75.00	936.96	-0.050	10.00	937.46	12.00	0.018	937.68	12.00	0.014	937.85	12.00	0.002	250:1	937.87				8.00	-0.040	937.55	
115+00.00	937.46	-0.047	10.00	937.93	12.00	0.016	938.12	12.00	0.017	938.33	12.00	0.008	250:1	938.43				8.00	-0.040	938.11	
115+25.00	937.99	-0.044	10.00	938.43	12.00	0.018	938.65	12.00	0.019	938.87	12.00	0.009	250:1	938.98				8.00	-0.040	938.66	RC
115+50.00	938.46	-0.046	10.00	938.92	12.00	0.023	939.19	12.00	0.019	939.43	12.00	0.013	250:1	939.58				8.00	-0.040	939.26	
155+53.01	938.51	-0.047	10.00	938.98	12.00	0.023	939.26	12.00	0.019	939.49	12.00	0.013	250:1	939.64				8.00	-0.040	939.32	PC
115+75.00	938.85	-0.051	10.00	939.36	12.00	0.027	939.68	12.00	0.023	939.96	12.00	0.016	250:1	940.16				8.00	-0.040	939.84	
116+00.00	939.25	-0.057	10.00	939.82	12.00	0.030	940.17	12.00	0.028	940.51	12.00	0.019	250:1	940.74				8.00	-0.040	940.42	
116+25.00	939.69	-0.058	10.00	940.27	12.00	0.035	940.69	12.00	0.031	941.06	12.00	0.022	250:1	941.32				8.00	-0.040	941.00	
116+50.00	940.18	-0.057	10.00	940.75	12.00	0.038	941.20	12.00	0.032	941.59	12.00	0.026	250:1	941.90				8.00	-0.040	941.58	
116+75.00	940.69	-0.056	10.00	941.25	12.00	0.039	941.72	12.00	0.034	942.13	12.00	0.029	250:1	942.48				8.00	-0.040	942.16	BEGIN FS
117+00.00	941.18	-0.056	10.00	941.74	12.00	0.039	942.21	12.00	0.039	942.68	12.00	0.028		943.02				8.00	-0.040	942.70	
117+25.00	941.66	-0.056	10.00	942.22	12.00	0.042	942.72	12.00	0.038	943.18	12.00	0.028		943.51				8.00	-0.040	943.19	
117+50.00	942.18	-0.055	10.00	942.73	12.00	0.042	943.23	12.00	0.038	943.69	12.00	0.027		944.01				8.00	-0.040	943.69	
117+75.00	942.69	-0.057	10.00	943.26	12.00	0.038	943.72	12.00	0.037	944.16	12.00	0.032		944.54				8.00	-0.038	944.24	
118+00.00	943.16	-0.061	10.00	943.77	12.00	0.038	944.22	12.00	0.037	944.67	12.00	0.033		945.07				8.00	-0.037	944.77	
118+25.00	943.67	-0.059	10.00	944.26	12.00	0.039	944.73	12.00	0.037	945.17	12.00	0.035		945.59				8.00	-0.035	945.31	
118+50.00	944.18	-0.054	10.00	944.72	12.00	0.042	945.22	12.00	0.038	945.68	12.00	0.034		946.09				8.00	-0.036	945.80	
118+75.00	944.66	-0.054	10.00	945.20	12.00	0.044	945.73	12.00	0.037	946.18	12.00	0.035		946.60				8.50	-0.035	946.30	
119+00.00	945.16	-0.056	10.00	945.72	12.00	0.042	946.22	12.00	0.038	946.68	12.00	0.034		947.09				9.00	-0.036	946.77	
119+25.00	945.67	-0.054	10.00	946.21	12.00	0.042	946.72	12.00	0.038	947.18	12.00	0.034		947.59				9.50	-0.036	947.25	
119+50.00	946.20	-0.050	10.00	946.70	12.00	0.043	947.22	12.00	0.038	947.68	12.00	0.034		948.09				10.00	-0.036	947.73	
119+75.00	946.68	-0.050	10.00	947.18	12.00	0.043	947.70	12.00	0.040	948.18	12.00	0.034		948.59				10.00	-0.036	948.23	
120+00.00	947.15	-0.050	10.00	947.65	12.00	0.043	948.17	12.00	0.040	948.65	12.00	0.035		949.07				10.00	-0.035	948.72	
120+25.00	947.62	-0.052	10.00	948.14	12.00	0.043	948.66	12.00	0.042	949.16	12.00	0.035		949.58				10.00	-0.035	949.23	
120+50.00	948.07	-0.056	10.00	948.63	12.00	0.042	949.14	12.00	0.042	949.65	12.00	0.037		950.09							
120+75.00	948.56	-0.055	10.00	949.11	12.00	0.044	949.64	12.00	0.042	950.15	12.00	0.036		950.58							
121+00.00	949.06	-0.054	10.00	949.60	12.00	0.043	950.12	12.00	0.042	950.62	12.00	0.034		951.03							
121+25.00	949.53	-0.053	10.00	950.06	12.00	0.044	950.59	12.00	0.040	951.07	12.00	0.034		951.48							
121+50.00	950.01	-0.054	10.00	950.55	12.00	0.041	951.04	12.00	0.041	951.53	12.00	0.032		951.92							
121+75.00	950.49	-0.053	10.00	951.02	12.00	0.042	951.52	12.00	0.039	951.99	12.00	0.032		952.37							
122+00.00	950.95	-0.053	10.00	951.48	12.00	0.041	951.97	12.00	0.041	952.46	12.00	0.032		952.85							
122+25.00	951.35	-0.056	10.00	951.91	12.00	0.041	952.40	12.00	0.042	952.90	12.00	0.034		953.31							
122+50.00	951.79	-0.053	10.00	952.32	12.00	0.042	952.83	12.00	0.040	953.31	12.00	0.034		953.72	SEE RAMP TERMINAL DETAIL						
122+75.00	952.25	-0.052	10.00	952.77	12.00	0.044	953.30	12.00	0.038	953.76	12.00	0.034		954.17							
123+00.00	952.81	-0.042	10.00	953.23	12.00	0.042	953.73	12.00	0.038	954.19	12.00	0.035		954.61							
123+25.00	953.25	-0.042	10.00	953.67	12.00	0.042	954.17	12.00	0.038	954.63	12.00	0.035		955.05							
123+50.00	953.67	-0.042	10.00	954.09	12.00	0.042	954.59	12.00	0.039	955.06	12.00	0.035		955.48							
123+75.00	954.07	-0.042	10.00	954.49	12.00	0.042	954.99	12.00	0.039	955.46	12.00	0.037		955.90							
124+00.00	954.48	-0.042	10.00	954.90	12.00	0.042	955.40	12.00	0.040	955.88	12.00	0.038		956.33							
124+25.00	954.87	-0.042	10.00	955.29	12.00	0.042	955.79	12.00	0.042	956.30	12.00	0.038		956.76							
124+50.00	955.27	-0.042	10.00	955.69	12.00	0.042	956.20	12.00	0.042	956.71	12.00	0.041		957.20							
124+75.00	955.68	-0.042	10.00	956.10	12.00	0.042	956.60	12.00	0.043	957.12	12.00	0.041		957.61							
125+00.00	956.11	-0.042	10.00	956.53	12.00	0.042	957.03	12.00	0.041	957.52	12.00	0.041		958.01				8.00	-0.029	957.78	
125+25.00	956.52	-0.042	10.00	956.94	12.00	0.042	957.44	12.00	0.041	957.93	12.00	0.040		958.41				8.00	-0.030	958.17	
125+50.00	956.95	-0.042	10.00	957.37	12.00	0.042	957.87	12.00	0.041	958.36	12.00	0.038		958.82				8.00	-0.032	958.56	
125+75.00	957.39	-0.042	10.00	957.81	12.00	0.042	958.31	12.00	0.039	958.78	12.00	0.038		959.23				8.00	-0.032	958.97	
126+00.00	957.81	-0.042	10.00	958.23	12.00	0.042	958.73	12.00	0.038	959.19	12.00	0.035		959.61	16.00	0.048	960.38	8.00	-0.022	960.20	
126+25.00	958.23	-0.042	10.00	958.65	12.00	0.042	959.15	12.00	0.038	959.60	12.00	0.035		960.02	16.00	0.047	960.77	8.00			
126+50.00	958.65	-0.042	10.00	959.07	12.00	0.042	959.57	12.00	0.037	960.02	12.00	0.036		960.45	16.00	0.045	961.17	8.00			
126+75.00	959.08	-0.042	10.00	959.50	12.00	0.042	960.00	12.00	0.038	960.45	12.00	0.036		960.88	16.00	0.044	961.58	8.00			
127+00.00	959.48	-0.042	10.00	959.90	12.00	0.042	960.40	12.00	0.038	960.86	12.00	0.036		961.29	16.00	0.043	961.97	8.00			
127+25.00	959.87	-0.042	10.00	960.29	12.00	0.042	960.79	12.00	0.038	961.25	12.00	0.035		961.67	15.78	0.042	962.33	8.00			
127+50.00	960.28	-0.042	10.00	960.70	12.00	0.042	961.20	12.00	0.037	961.65	12.00	0.036		962.08	15.29	0.042	962.72	8.00			
127+75.00	960.69	-0.042	10.00	961.11	12.00	0.042	961.61	12.00	0.037	962.06	12.00	0.037		962.50	17.79	0.035	963.12	8.00			
128+00.00	961.10	-0.042	10.00	961.52	12.00	0.042	962.02	12.00	0.038	962.48	12.00	0.038		962.94	14.29	0.041	963.53	8.00			
128+25.00	961.53	-0.042	10.00	961.95	12.00	0.042	962.45	12.00	0.038	962.91	12.00	0.038		963.37	13.78	0.041	963.94	8.00			
128+50.00	961.94	-0.042	10.00	962.36	12.00	0.042	962.86	12.00	0.038	963.32	12.00	0.038		963.78	13.28	0.041	964.33	8.00			
128+75.00	962.34	-0.042	10.00	962.76	12.00	0.042	963.27	12.00	0.038	963.72	12.00	0.038		964.18	12.78	0.042	964.72	8.00			
129+00.00	962.74	-0.042	10.00	963.16	12.00	0.042	963.66	12.00	0.039	964.13	12.00	0.038		964.59	12.28	0.042	965.10	8.00			
129+25.00	963.11	-0.042	10.00	963.53	12.00	0.042	964.04	12.00	0.040	964.52	12.00	0.040		965.00	11.78	0.042	965.49	8.00			
129+50.00	963.51	-0.042	10.00	963.93	12.00	0.042	964.43	12.00	0.040	964.91	12.00	0.042		965.41	11.27	0.042	965.88	8.00			
129+75.00	963.90	-0.042	10.00	964.32	12.00	0.042	964.82	12.00	0.042	965.32	12.00	0.041		965.81	10.67	0.042	966.26	8.00			
130+00.00	964.26	-0.042	10.00	964.68	12.00	0.042	965.18	12.00	0.043	965.70	12.00	0.042		966.21	10.26	0.042	966.64	8.00			
130+25.00	964.65	-0.042	10.00	965.07	12.00	0.042	965.57	12.00	0.042	966.07	12.00	0.040		966.56	9.76	0.042	966.97	8.00			
130+50.00	965.06	-0.042	10.00	965.48	12.00	0.042	965.98	12.00	0.042	966.48	12.00	0.041		966.97	9.26	0.041	967.35	8.00			
130+75.00	965.47	-0.042	10.00	965.89	12.00	0.042	966.39	12.00	0.042	966.90	12.00	0.041		967.39	8.75	0.041	967.75	8.00			
131+00.00	965.90	-0.042	10.00	966.32	12.00	0.042	966.82	12.00	0.041	967.31	12.00	0.038		967.77	8.25	0.041	968.11	8.00			
131+25.00	966.32	-0.042	10.00	966.74	12.00	0.042	967.24	12.00	0.041	967.73	12.00	0.038		968.19	7.75	0.041	968.51	8.00			
131+50.00	966.80	-0.042	10.00	967.22	12.00	0.042	967.72	12.00	0.038	968.18	12.00	0.037		968.62	7.25	0.041	968.92	8.00			
131+75.00	967.27	-0.042	10.00	967.69	12.00	0.042	968.19	12.00	0.038	968.65	12.00	0.035		969.07	6.74	0.042	969.35	8.00			
132+00.00	967.76	-0.042	10.00	968.18	12.00	0.042	968.68	12.00	0.034	969.09	12.00	0.035		969.51	6.24	0.042	969.77	8.00			
132+25.00	968.17	-0.042	10.00	968.59	12.00	0.042	969.09	12.00	0.035	969.51	12.00	0.035		969.93	5.74	0.040	970.16	8.00			
132+50.00	968.56	-0.042	10.00	968.98	12.00	0.042	969.48	12.00	0.038	969.94	12.00	0.035		970.36	5.23	0.042	970.58	8.00			
132+75.00	968.95	-0.042	10.00	969.37	12.00	0.042	969.87	12.00	0.038	970.33	12.00	0.036		970.76	4.73	0.040	970.95	8.00			
133+00.00	969.35	-0.042	10.00	969.77	12.00	0.042	970.27	12.00	0.036	970.70	12.00	0.035		971.12	4.23	0.043	971.30	8.00			
133+25.00	969.76	-0.042	10.00	970.18	12.00	0.042	970.68	12.00	0.036	971.11	12.00	0.035		971.53	3.72	0.040	971.68	8.00			
133+50.00	970.18	-0.042	10.00	970.60	12.00	0.042	971.10	12.00	0.036	971.53	12.00	0.036		971.96	3.22	0.040	972.09	8.00			
133+75.00	970.59	-0.042	10.00	971.01	12.00	0.042	971.51	12.00	0.035	971.93	12.00	0.037		972.37	2.72	0.044	972.49	8.00			
134+00.00	970.97	-0.042	10.00	971.39	12.00	0.042	971.89	12.00	0.037	972.33	12.00	0.039		972.80	2.21	0.041	972.89	8.00			
134+25.00	971.34	-0.042	10.00	971.76	12.00	0.042	972.26	12.00	0.039	972.73	12.00	0.039		973.20	1.71	0.041	973.27	8.29			
134+50.00	971.76	-0.042	10.00	972.18	12.00	0.042	972.68	12.00	0.039	973.15	12.00	0.040		973.63	1.21	0.041	973.68	8.80			
134+75.00	972.19	-0.042	10.00	972.61	12.00	0.042	973.11	12.00	0.037	973.56	12.00	0.041		974.05	0.71	0.042	974.08	9.33			
135+00.00	972.59	-0.042	10.00	973.01	12.00	0.042	973.51	12.00	0.038	973.97	12.00	0.040		974.45	0.21	0.000	974.45	9.82			
135+25.00	972.99	-0.042	10.00	973.41	12.00	0.042	973.91	12.00	0.039	974.38	12.00	0.038		974.83				10.00	-0.005	974.78	
135+50.00	973.36	-0.042	10.00	973.78	12.00	0.042	974.28	12.00	0.040	974.76	12.00	0.038		975.22				10.00	-0.004	975.18	
135+75.00	973.70	-0.042	10.00	974.12	12.00	0.042	974.62	12.00	0.040	975.10	12.00	0.036		975.53				10.00	-0.000	975.53	
136+00.00	974.05	-0.042	10.00	974.47	12.00	0.042	974.97	12.00	0.039	975.44	12.00	0.036		975.87				10.00	-0.000	975.87	
136+25.00	974.42	-0.042	10.00	974.84	12.00	0.042	975.34	12.00	0.037	975.78	12.00	0.035		976.20				10.00	0.001	976.21	
136+50.00	974.74	-0.042	10.00	975.16	12.00	0.042	975.66	12.00	0.037	976.10	12.00	0.036		976.53				10.00	0.002	976.55	
136+75.00	975.05	-0.042	10.00	975.47	12.00	0.042	975.97	12.00	0.038	976.42	12.00	0.035	250:1	976.84				10.00	0.006	976.90	END FS
137+00.00	975.45	-0.040	10.00	975.85	12.00	0.038	976.30	12.00	0.037	976.75	12.00	0.033	250:1	977.14				10.00	0.006	977.20	
137+25.00	975.85	-0.040	10.00	976.25	12.00	0.035	976.66	12.00	0.032	977.04	12.00	0.030	250:1	977.39				10.00	0.001	977.40	
137+50.00	976.21	-0.040	10.00	976.61	12.00	0.031	976.98	12.00	0.027	977.31	12.00	0.024	250:1	977.60				10.00	-0.005	977.55	
137+75.00	976.58	-0.040	10.00	976.98	12.00	0.027	977.30	12.00	0.023	977.58	12.00	0.018	250:1	977.79				10.00	-0.010	977.69	
137+85.08	976.70	-0.040	10.00	977.10	12.00	0.026	977.41	12.00	0.023	977.69	12.00	0.015	250:1	977.87				10.00	-0.011	977.76	PT
138+00.00	976.91	-0.040	10.00	977.31	12.00	0.023	977.59	12.00	0.022	977.85	12.00	0.013	250:1	978.01				10.00	-0.015	977.86	
138+25.00	977.21	-0.040	10.00	977.61	12.00	0.020	977.85	12.00	0.022	978.11	12.00	0.010	250:1	978.24				10.00	-0.021	978.03	
138+50.00	977.51	-0.040	10.00	977.91	12.00	0.016	978.11	12.00	0.022	978.37	12.00	0.006	250:1	978.43				10.00	-0.023	978.20	RC
138+75.00	977.79	-0.040	10.00	978.19	12.00	0.016	978.38	12.00	0.019	978.61	12.00	0.002	250:1	978.64				10.00	-0.025	978.39	
139+00.00	978.07	-0.040	10.00	978.47	12.00	0.016	978.66	12.00	0.018	978.87	12.00	-0.002	250:1	978.85				10.00	-0.027	978.58	
139+25.00	978.36	-0.040	10.00	978.76	12.00	0.016	978.95	12.00	0.016	979.14	12.00	-0.006	250:1	979.08				10.00	-0.031	978.77	
139+50.00	978.61	-0.040	10.00	979.01	12.00	0.016	979.21	12.00	0.017	979.42	12.00	-0.010	250:1	979.29				10.00	-0.031	978.98	
139+75.00	978.88	-0.040	10.00	979.28	12.00	0.016	979.48	12.00	0.016	979.66	12.00	-0.012	250:1	979.51				10.00	-0.032	979.19	NC

SUPERELEVATION TABLE
IR 70

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0955 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 4 - IR 70 2 WB PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:07 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP A SUPERELEVATION TRANSITION TABLE

PI STA. 58+96.89 Dc = 7° 00' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
BEGIN RAMP	853.28	-0.056	10.00	853.84	185:1	-0.056	15.00	57+23.33	854.68	12.00	0.056	185:1	855.35	4.00	-0.014	855.30	BEGIN RAMP
	853.30	-0.056	10.00	853.86	185:1	-0.056	14.88	57+25.00	854.70	12.00	0.057	185:1	855.38	4.00	-0.013	855.33	
SC & BEGIN FS	853.36	-0.058	10.00	853.94	185:1	-0.058	15.00	57+32.92	854.81	12.00	0.058	185:1	855.51	4.00	-0.012	855.46	SC & BEGIN FS
	853.59	-0.058	10.00	854.17		-0.058	15.00	57+50.00	855.04	12.00	0.058		855.74	4.00	-0.012	855.69	
	853.89	-0.058	10.00	854.47		-0.058	15.00	57+75.00	855.34	12.00	0.058		856.03	4.00	-0.012	855.98	
	854.13	-0.058	10.00	854.71		-0.058	15.00	58+00.00	855.58	12.00	0.058		856.28	4.00	-0.012	856.23	
	854.33	-0.058	10.00	854.91		-0.058	15.00	58+25.00	855.78	12.00	0.058		856.48	4.00	-0.012	856.43	
	854.49	-0.058	10.00	855.07		-0.058	15.00	58+50.00	855.94	12.00	0.058		856.63	4.00	-0.012	856.58	
	854.59	-0.058	10.00	855.17		-0.058	15.00	58+75.00	856.04	12.00	0.058		856.74	4.00	-0.012	856.69	
	854.65	-0.058	10.00	855.23		-0.058	15.00	59+00.00	856.10	12.00	0.058		856.80	4.00	-0.012	856.75	
	854.66	-0.058	10.00	855.24		-0.058	15.00	59+25.00	856.11	12.00	0.058		856.81	4.00	-0.012	856.76	
	854.63	-0.058	10.00	855.21		-0.058	15.00	59+50.00	856.08	12.00	0.058		856.77	4.00	-0.012	856.73	
	854.55	-0.058	10.00	855.13		-0.058	15.00	59+75.00	856.00	12.00	0.058		856.69	4.00	-0.012	856.64	
END FS	-1.45	-0.058	10.00	-0.87	185:1	-0.058	15.00	59+86.69		12.00	0.058	185:1	0.70	4.00	-0.012	0.65	END FS
	854.54	-0.053	10.00	855.07	185:1	-0.053	14.97	60+00.00	855.87	12.00	0.053	185:1	856.50	4.00	-0.013	856.45	
	854.67	-0.042	10.00	855.09	185:1	-0.042	14.39	60+25.00	855.69	12.00	0.042	185:1	856.20	4.00	-0.024	856.10	
	854.63	-0.040	10.00	855.03	185:1	-0.032	13.80	60+50.00	855.47	12.00	0.032	185:1	855.85	4.00	-0.035	855.71	
PT	854.60	-0.040	10.00	855.00	185:1	-0.029	13.65	60+56.57	855.40	12.00	0.029	185:1	855.75	4.00	-0.038	855.60	PT
	854.51	-0.040	10.00	854.91	185:1	-0.022	13.22	60+75.00	855.20	12.00	0.022	185:1	855.46	4.00	-0.040	855.30	
	854.34	-0.040	10.00	854.74	185:1	-0.011	12.64	61+00.00	854.88	12.00	0.011	185:1	855.02	4.00	-0.040	854.86	
	854.13	-0.040	10.00	854.53	185:1	-0.001	12.06	61+25.00	854.54	12.00	0.001	185:1	854.56	4.00	-0.040	854.40	
LEVEL	854.11	-0.040	10.00	854.51	185:1	0.000	12.00	61+27.17	854.51	12.00	0.000	185:1	854.51	4.00	-0.040	854.35	LEVEL
	853.96	-0.040	10.00	854.36	143:1	0.013	12.00	61+50.00	854.20	13.73	-0.013	143:1	854.03	4.00	-0.040	853.87	
PC	853.85	-0.040	10.00	854.25	143:1	0.023	12.00	61+66.69	853.97	15.00	-0.023	143:1	853.63	4.00	-0.040	853.47	PC
	853.80	-0.040	10.00	854.20	143:1	0.028	12.00	61+75.00	853.86	15.63	-0.028	143:1	853.43	4.00	-0.040	853.27	
	853.78	-0.028	10.00	854.06	143:1	0.042	12.00	62+00.00	853.56	17.50	-0.042	143:1	852.82	4.00	-0.042	852.65	
	853.72	-0.028	10.00	854.00	143:1	0.057	12.00	62+25.00	853.31	17.50	-0.057	143:1	852.31	4.00	-0.057	852.09	
BEGIN FS	853.71	-0.028	10.00	853.99		0.058	12.00	62+27.51	853.29	17.50	-0.058		852.28	4.00	-0.058	852.04	BEGIN FS
	853.55	-0.028	10.00	853.83		0.058	12.00	62+50.00	853.13	17.50	-0.058		852.12	4.00	-0.058	851.89	
	853.43	-0.028	10.00	853.71		0.058	12.00	62+75.00	853.02	17.50	-0.058		852.00	4.00	-0.058	851.77	
	853.38	-0.028	10.00	853.66		0.058	12.00	63+00.00	852.96	17.50	-0.058		851.95	4.00	-0.058	851.72	
END FS	853.38	-0.028	10.00	853.66		0.058	12.00	63+00.44	852.96	17.50	-0.058		851.95	4.00	-0.058	851.71	END FS
	853.25	-0.028	10.00	853.53	143:1	0.046	12.00	63+25.00	852.98	17.50	-0.043	143:1	852.22	4.00	-0.043	852.05	
	853.18	-0.028	10.00	853.46	143:1	0.034	12.00	63+50.00	853.05	17.50	-0.031	143:1	852.51	4.00	-0.031	852.39	
END RAMP	853.09	-0.036	10.00	853.45	143:1	0.026	12.00	63+67.33	853.14	18.00	-0.023	143:1	852.73	4.00	-0.040	852.57	END RAMP
	853.06	-0.040	10.00	853.46	143:1	0.022	12.00	63+75.00	853.19	17.50	-0.019	143:1	852.86	4.00	-0.040	852.70	
	853.12	-0.040	10.00	853.52	143:1	0.010	12.00	64+00.00	853.40	17.50	-0.006	143:1	853.29	4.00	-0.040	853.13	
PT	853.21	-0.040	10.00	853.61	143:1	0.001	12.00	64+19.21	853.60	17.50	0.005	143:1	853.69	4.00	-0.040	853.53	PT
	853.24	-0.040	10.00	853.64	143:1	-0.002	12.00	64+25.00	853.66	17.50	-0.023	143:1	853.80	4.00	-0.040	853.64	
	853.28	-0.040	10.00	853.68	143:1	-0.014	12.00	64+50.00	853.85	17.50	-0.023	143:1	854.21	4.00	-0.040	854.05	
	853.45	-0.040	10.00	853.85	143:1	-0.014	12.00	64+50.44	854.01	17.50	-0.023	143:1	854.38	4.00	-0.040	854.22	

SUPERELEVATION TABLE
RAMP A

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0956 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 5 - Ramp A PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:08 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP B SUPERELEVATION TRANSITION TABLE

PI STA. 72+24.84 Dc = 1° 30' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
	855.68	-0.040	6.00	855.92		0.003	8.00	65+15.87	855.90	17.00	-0.003		855.85	3.00	-0.040	855.73	
	855.82	-0.040	6.00	856.06		-0.001	8.00	65+25.00	856.07	16.00	0.001		856.08	3.00	-0.040	855.96	
	856.26	-0.040	6.00	856.50		-0.012	8.00	65+50.00	856.60	16.00	0.012		856.79	3.00	-0.040	856.67	
NC	856.44	-0.040	6.00	856.68	222:1	-0.016	8.00	65+59.08	856.81	16.00	0.016	222:1	857.07	3.00	-0.040	856.95	NC
	856.85	-0.040	6.00	857.09	222:1	-0.016	8.00	65+75.00	857.21	16.00	0.016	222:1	857.47	3.00	-0.040	857.35	
	857.55	-0.040	6.00	857.79	222:1	-0.016	8.00	66+00.00	857.92	16.00	0.016	222:1	858.18	3.00	-0.040	858.06	
	858.35	-0.040	6.00	858.59	222:1	-0.016	8.00	66+25.00	858.72	16.00	0.016	222:1	858.98	3.00	-0.040	858.86	
	859.24	-0.040	6.00	859.48	222:1	-0.016	8.00	66+50.00	859.61	16.00	0.016	222:1	859.86	3.00	-0.040	859.74	
NC	860.10	-0.040	6.00	860.34	222:1	-0.016	8.00	66+72.07	860.47	16.00	0.016	222:1	860.72	3.00	-0.040	860.60	NC
	860.21	-0.040	6.00	860.45	222:1	-0.017	8.00	66+75.00	860.58	16.00	0.017	222:1	860.86	3.00	-0.040	860.74	
	861.22	-0.040	6.00	861.46	222:1	-0.024	8.00	67+00.00	861.65	16.00	0.024	222:1	862.04	3.00	-0.040	861.92	
PC	862.17	-0.040	6.00	862.41	222:1	-0.030	8.00	67+21.80	862.65	16.00	0.030	222:1	863.13	3.00	-0.040	863.01	PC
	862.31	-0.040	6.00	862.55	222:1	-0.031	8.00	67+25.00	862.80	16.00	0.031	222:1	863.30	3.00	-0.039	863.18	
BEGIN FS	863.27	-0.040	6.00	863.51	222:1	-0.037	8.00	67+46.66	863.81	16.00	0.037	222:1	864.40	3.00	-0.033	864.30	BEGIN FS
	863.43	-0.040	6.00	863.67		-0.037	8.00	67+50.00	863.97	16.00	0.037		864.56	3.00	-0.033	864.46	
	864.59	-0.040	6.00	864.83		-0.037	8.00	67+75.00	865.13	16.00	0.037		865.72	3.00	-0.033	865.62	
	865.91	-0.040	6.00	866.15		-0.037	4.00	68+00.00	866.30	16.00	0.037		866.89	3.00	-0.033	866.79	
	867.22	-0.040	6.00	867.46		-0.037	0.00	68+25.00	867.46	16.00	0.037		868.05	3.00	-0.033	867.95	
	868.39	-0.040	6.00					68+50.00	868.63	16.00	0.037		869.22	3.00	-0.033	869.12	
	869.55	-0.040	6.00					68+75.00	869.79	16.00	0.037		870.38	3.00	-0.033	870.28	
	870.68	-0.040	6.00					69+00.00	870.92	16.00	0.037		871.51	3.00	-0.033	871.41	
	871.75	-0.040	6.00					69+25.00	871.99	16.00	0.037		872.58	3.00	-0.033	872.49	
	872.79	-0.040	6.00					69+50.00	873.03	16.00	0.037		873.62	3.00	-0.033	873.52	
	873.77	-0.040	6.00					69+75.00	874.01	16.00	0.037		874.60	3.00	-0.033	874.50	
	874.70	-0.040	6.00					70+00.00	874.94	16.00	0.037		875.53	3.00	-0.033	875.43	
	875.59	-0.040	6.00					70+25.00	875.83	16.00	0.037		876.42	3.00	-0.033	876.32	
	876.43	-0.040	6.00					70+50.00	876.67	16.00	0.037		877.26	3.00	-0.033	877.16	
	877.22	-0.040	6.00					70+75.00	877.46	16.00	0.037		878.05	3.00	-0.033	877.95	
	877.96	-0.040	6.00					71+00.00	878.20	16.00	0.037		878.79	3.00	-0.033	878.69	
	878.66	-0.040	6.00					71+25.00	878.90	16.00	0.037		879.49	3.00	-0.033	879.39	
	879.31	-0.040	6.00					71+50.00	879.55	16.00	0.037		880.14	3.00	-0.033	880.04	
	879.91	-0.040	6.00					71+75.00	880.15	16.00	0.037		880.74	3.00	-0.033	880.64	
	880.45	-0.040	6.20					72+00.00	880.70	16.00	0.037		881.29	3.00	-0.033	881.19	
	880.91	-0.040	7.20					72+25.00	881.20	16.00	0.037		881.79	3.00	-0.033	881.69	
	881.33	-0.040	8.20					72+50.00	881.66	16.00	0.037		882.25	3.00	-0.033	882.15	
	880.69	-0.040	9.20					72+75.00	881.06	16.00	0.037		881.65	3.00	-0.033	881.55	
END RAMP	881.96	-0.040	10.00					72+94.95	882.36	16.00	0.037		882.95	3.00	-0.033	882.85	END RAMP

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0957 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00
MODEL: Sheet 6 - Ramp B PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:09 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP C SUPERELEVATION TRANSITION TABLE

PI STA. 66+12.97 Dc = 11° 59' 35"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE			DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
BEGIN RAMP	848.23	-0.040	3.00	848.35	161:1	0.012	16.00	62+00.00	848.16	6.00	-0.040	847.92	BEGIN RAMP
	849.32	-0.040	3.00	849.44	161:1	0.002	16.00	62+25.00	849.41	6.00	-0.040	849.17	
LEVEL	849.60	-0.040	3.00	849.72	161:1	0.000	16.00	62+31.25	849.72	6.00	-0.040	849.48	LEVEL
	850.43	-0.040	3.00	850.55	161:1	-0.007	16.00	62+50.00	850.66	6.00	-0.040	850.42	
RC	851.40	-0.040	3.00	851.52	161:1	-0.016	16.00	62+72.47	851.78	6.00	-0.040	851.54	RC
	851.52	-0.040	3.00	851.64	161:1	-0.017	16.00	62+75.00	851.91	6.00	-0.040	851.67	
	852.61	-0.040	3.00	852.73	161:1	-0.027	16.00	63+00.00	853.16	6.00	-0.040	852.92	
	853.69	-0.040	3.00	853.81	161:1	-0.036	16.00	63+25.00	854.39	6.00	-0.034	854.19	
PC	853.86	-0.040	3.00	853.98	161:1	-0.038	16.00	63+29.14	854.59	6.00	-0.032	854.40	PC
	854.73	-0.046	3.00	854.86	161:1	-0.046	16.00	63+50.00	855.60	6.00	-0.024	855.46	
	855.71	-0.056	3.00	855.87	161:1	-0.056	16.00	63+75.00	856.77	6.00	-0.014	856.69	
BEGIN FS	855.84	-0.057	3.00	856.01	161:1	-0.057	16.00	63+78.08	856.92	6.00	-0.013	856.84	BEGIN FS
	856.84	-0.057	3.00	857.01		-0.057	16.00	64+00.00	857.92	6.00	-0.013	857.84	
	857.96	-0.057	3.00	858.13		-0.057	16.00	64+25.00	859.04	6.00	-0.013	858.96	
	859.05	-0.057	3.00	859.22		-0.057	16.00	64+50.00	860.13	6.00	-0.013	860.05	
	860.11	-0.057	3.00	860.28		-0.057	16.00	64+75.00	861.19	6.00	-0.013	861.11	
	861.15	-0.057	3.00	861.32		-0.057	16.00	65+00.00	862.23	6.00	-0.013	862.15	
	862.15	-0.057	3.00	862.32		-0.057	16.00	65+25.00	863.23	6.00	-0.013	863.15	
	863.12	-0.057	3.00	863.29		-0.057	16.00	65+50.00	864.20	6.00	-0.013	864.12	
	864.07	-0.057	3.00	864.24		-0.057	16.00	65+75.00	865.15	6.00	-0.013	865.07	
	864.98	-0.057	3.00	865.15		-0.057	16.00	66+00.00	866.06	6.00	-0.013	865.98	
	865.87	-0.057	3.00	866.04		-0.057	16.00	66+25.00	866.95	6.00	-0.013	866.87	
	966.73	-0.057	3.00	966.90		-0.057	16.00	66+50.00	967.81	6.00	-0.013	967.73	
	867.55	-0.057	3.00	867.72		-0.057	16.00	66+75.00	868.63	6.00	-0.013	868.55	
	868.35	-0.057	3.00	868.52		-0.057	16.00	67+00.00	869.43	6.00	-0.013	869.35	
	869.12	-0.057	3.00	869.29		-0.057	16.00	67+25.00	870.20	6.00	-0.013	870.12	
	869.87	-0.057	3.00	870.04		-0.057	16.00	67+50.00	870.95	6.00	-0.013	870.87	
	870.58	-0.057	3.00	870.75		-0.057	16.00	67+75.00	871.66	6.00	-0.013	871.58	
END FS	870.90	-0.057	3.00	871.07	161:1	-0.057	16.00	67+86.49	871.98	6.00	-0.013	871.90	END FS
	871.35	-0.052	3.00	871.51	161:1	-0.052	16.00	68+00.00	872.34	6.00	-0.018	872.23	
	872.19	-0.042	3.00	872.32	161:1	-0.042	16.00	68+25.00	872.99	6.00	-0.028	872.82	
PT	872.73	-0.036	3.00	872.83	161:1	-0.036	16.00	68+41.36	873.41	6.00	-0.034	873.21	PT
	872.99	-0.040	3.00	873.11	161:1	-0.032	16.00	68+50.00	873.62	6.00	-0.038	873.39	
	873.73	-0.040	3.00	873.85	161:1	-0.023	16.00	68+75.00	874.22	6.00	-0.040	873.98	
	874.45	-0.040	3.00	874.57	161:1	-0.013	16.00	69+00.00	874.78	6.00	-0.040	874.54	
	875.15	-0.040	3.00	875.27	161:1	-0.003	16.00	69+25.00	875.32	6.00	-0.040	875.08	
LEVEL	875.37	-0.040	3.00	875.49	185:1	0.000	16.00	69+33.32	875.49	6.00	-0.040	875.25	LEVEL
	875.81	-0.040	3.00	875.93	185:1	0.006	16.00	69+50.00	875.83	6.00	-0.040	875.59	
	876.41	-0.040	3.00	876.53	185:1	0.014	16.00	69+75.00	876.31	6.00	-0.040	876.07	
	877.01	-0.040	3.00	877.13	185:1	0.023	16.00	70+00.00	876.76	6.00	-0.040	876.52	
	877.56	-0.039	3.00	877.68	185:1	0.031	16.00	70+25.00	877.18	6.00	-0.040	876.94	
PC	877.98	-0.033	3.00	878.08	185:1	0.037	16.00	70+44.26	877.49	6.00	-0.040	877.25	PC
	878.10	-0.031	3.00	878.19	185:1	0.039	16.00	70+50.00	877.57	6.00	-0.040	877.33	
	878.64	-0.022	3.00	878.71	185:1	0.048	16.00	70+75.00	877.94	6.00	-0.048	877.65	
	879.12	-0.014	3.00	879.17	185:1	0.056	16.00	71+00.00	878.27	6.00	-0.056	877.93	
BEGIN FS	879.34	-0.010	3.00	879.37	185:1	0.060	16.00	71+10.92	878.41	6.00	-0.060	878.05	BEGIN FS
	879.52	-0.010	3.00	879.55		0.060	16.00	71+25.00	878.59	6.00	-0.060	878.23	
	879.84	-0.010	3.00	879.87		0.060	16.00	71+50.00	878.91	6.00	-0.060	878.55	
	880.16	-0.010	3.00	880.19		0.060	16.00	71+75.00	879.23	6.00	-0.060	878.87	
	880.48	-0.010	3.00	880.51		0.060	16.00	72+00.00	879.55	6.00	-0.060	879.19	
	880.80	-0.010	3.00	880.83		0.060	16.00	72+25.00	879.87	6.00	-0.060	879.51	
	881.12	-0.010	3.00	881.15		0.060	16.00	72+50.00	880.19	6.00	-0.060	879.83	
	881.44	-0.010	3.00	881.47		0.060	16.00	72+75.00	880.51	6.00	-0.060	880.15	
	881.76	-0.010	3.00	881.79		0.060	16.00	73+00.00	880.83	6.00	-0.060	880.47	
	882.08	-0.010	3.00	882.11		0.060	16.00	73+25.00	881.15	6.00	-0.060	880.79	
	882.40	-0.010	3.00	882.43		0.060	16.00	73+50.00	881.47	6.00	-0.060	881.11	
	882.72	-0.010	3.00	882.75		0.060	16.00	73+75.00	881.79	6.00	-0.060	881.43	
	883.04	-0.010	3.00	883.07		0.060	16.00	74+00.00	882.11	6.00	-0.060	881.75	
	883.35	-0.010	3.00	883.38		0.060	16.00	74+25.00	882.42	6.00	-0.060	882.06	
	883.64	-0.010	3.00	883.67		0.060	16.00	74+47.39	882.71	6.00	-0.060	882.35	
	883.67	-0.010	3.00	883.70		0.060	16.00	74+50.00	882.74	6.00	-0.060	882.38	
	883.99	-0.010	3.00	884.02		0.060	16.00	74+75.00	883.06	6.00	-0.060	882.70	
	884.31	-0.010	3.00	884.34		0.060	16.00	75+00.00	883.38	6.00	-0.060	883.02	
	884.63	-0.010	3.00	884.66		0.060	16.00	75+25.00	883.70	6.00	-0.060	883.34	
END RAMP	884.88	-0.010	3.00	884.91		0.060	16.00	75+44.59	883.95	6.00	-0.060	883.59	END RAMP

SUPERELEVATION TABLE
RAMP C

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0958 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00
MODEL: Sheet 7 - Ramp C PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:10 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP D SUPERELEVATION TRANSITION TABLE

PI STA. 72+21.91 Dc = 24° 30' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
BEGIN RAMP	873.92	-0.033	3.00	874.02	152:1	0.037	16.00	66+85.33	873.43	0.00				10.00	-0.040	873.03	BEGIN RAMP
	874.17	-0.031	3.00	874.26	152:1	0.039	16.00	67+00.00	873.64	0.00				9.41	-0.040	873.26	
	874.59	-0.028	3.00	874.67	152:1	0.042	16.00	67+25.00	874.00	0.00				8.46	-0.042	873.64	
	874.94	-0.026	3.00	875.01	152:1	0.044	16.00	67+50.00	874.31	0.00				7.51	-0.044	873.98	
	875.27	-0.023	3.00	875.34	152:1	0.047	16.00	67+75.00	874.59	0.00				6.55	-0.047	874.28	
	875.56	-0.020	3.00	875.62	152:1	0.050	16.00	68+00.00	874.82	0.00				6.00	-0.050	874.52	
	875.80	-0.017	3.00	875.85	152:1	0.053	16.00	68+25.00	875.00	0.00				6.00	-0.053	874.68	
	875.98	-0.014	3.00	876.03	152:1	0.056	16.00	68+50.00	875.13	0.00				6.00	-0.056	874.79	
	876.13	-0.011	3.00	876.16	152:1	0.059	16.00	68+75.00	875.22	0.00				6.00	-0.059	874.87	
SC & BEGIN FS	876.72	-0.010	3.00	876.75	152:1	0.060	16.00	68+85.33	875.79	0.00				6.00	-0.060	875.43	SC & BEGIN FS
	876.20	-0.010	3.00	876.23		0.060	16.00	69+00.00	875.27	0.00				6.00	-0.060	874.91	
	876.20	-0.010	3.00	876.23		0.060	16.00	69+25.00	875.27	0.00				6.00	-0.060	874.91	
	876.15	-0.010	3.00	876.18		0.060	16.00	69+50.00	875.22	0.00				6.00	-0.060	874.86	
	876.06	-0.010	3.00	876.09		0.060	16.00	69+75.00	875.13	0.00				6.00	-0.060	874.77	
	875.92	-0.010	3.00	875.95		0.060	16.00	70+00.00	874.99	0.00				6.00	-0.060	874.63	
	875.73	-0.010	3.00	875.76		0.060	16.00	70+25.00	874.80	0.00				6.00	-0.060	874.44	
	875.50	-0.010	3.00	875.53		0.060	16.00	70+50.00	874.57	0.00				6.00	-0.060	874.21	
	875.23	-0.010	3.00	875.26		0.060	16.00	70+75.00	874.30	0.00				6.00	-0.060	873.94	
	874.90	-0.010	3.00	874.93		0.060	16.00	71+00.00	873.97	0.00				6.00	-0.060	873.61	
	874.54	-0.010	3.00	874.57		0.060	16.00	71+25.00	873.61	0.00				6.00	-0.060	873.25	
	874.12	-0.010	3.00	874.15		0.060	16.00	71+50.00	873.19	0.00				6.00	-0.060	872.83	
	873.66	-0.010	3.00	873.69		0.060	16.00	71+75.00	872.73	0.00				6.00	-0.060	872.37	
	873.16	-0.010	3.00	873.19		0.060	16.00	72+00.00	872.23	0.00				6.00	-0.060	871.87	
	872.61	-0.010	3.00	872.64		0.060	16.00	72+25.00	871.68	0.00				6.00	-0.060	871.32	
	872.01	-0.010	3.00	872.04		0.060	16.00	72+50.00	871.08	0.00				6.00	-0.060	870.72	
	871.36	-0.010	4.00	871.40		0.060	16.00	72+75.00	870.44	4.00	-0.060		870.20	6.00	-0.060	869.84	
	870.67	-0.010	4.00	870.71		0.060	16.00	73+00.00	869.75	8.00	-0.060		869.27	6.00	-0.060	868.91	
	869.94	-0.010	4.00	869.98		0.060	16.00	73+25.00	869.02	8.00	-0.060		868.54	6.00	-0.060	868.18	
END FS	869.90	-0.010	4.00	869.94	152:1	0.060	16.00	73+26.28	868.98	8.00	-0.060	152:1	868.50	6.00	-0.060	868.14	END FS
PCC	869.54	-0.010	4.00	869.58	152:1	0.056	16.00	73+36.01	868.68	8.00	-0.056	152:1	868.23	6.00	-0.060	867.87	PCC
BEGIN FS	869.14	-0.018	4.00	869.21	152:1	0.052	16.00	73+45.74	868.38	8.00	-0.052	152:1	867.96	6.00	-0.052	867.65	BEGIN FS
	869.00	-0.018	4.00	869.07		0.052	16.00	73+50.00	868.24	8.00	-0.052		867.82	6.00	-0.052	867.51	
	868.18	-0.018	4.00	868.25		0.052	16.00	73+75.00	867.42	8.00	-0.052		867.00	6.00	-0.052	866.69	
	867.30	-0.018	4.00	867.37		0.052	16.00	74+00.00	866.54	8.00	-0.052		866.12	6.00	-0.052	865.81	
	866.39	-0.018	4.00	866.46		0.052	16.00	74+25.00	865.63	8.00	-0.052		865.21	6.00	-0.052	864.90	
	865.43	-0.018	4.00	865.50		0.052	16.00	74+50.00	864.67	8.00	-0.052		864.25	6.00	-0.052	863.94	
	864.42	-0.018	4.00	864.49		0.052	16.00	74+75.00	863.66	8.00	-0.052		863.24	6.00	-0.052	862.93	
	863.36	-0.018	4.00	863.43		0.052	16.00	75+00.00	862.60	8.00	-0.052		862.18	6.00	-0.052	861.87	
	862.27	-0.018	4.00	862.34		0.052	16.00	75+25.00	861.51	8.00	-0.052		861.09	6.00	-0.052	860.78	
	861.16	-0.018	4.00	861.23		0.052	16.00	75+50.00	860.40	8.00	-0.052		859.98	6.00	-0.052	859.67	
	860.06	-0.018	4.00	860.13		0.052	16.00	75+75.00	859.30	8.00	-0.052		858.88	6.00	-0.052	858.57	
	858.96	-0.018	4.00	859.03		0.052	16.00	76+00.00	858.20	8.00	-0.052		857.78	6.00	-0.052	857.47	
	857.85	-0.018	4.00	857.92		0.052	16.00	76+25.00	857.09	8.00	-0.052		856.67	6.00	-0.052	856.36	
	856.75	-0.018	4.00	856.82		0.052	16.00	76+50.00	855.99	8.00	-0.052		855.57	6.00	-0.052	855.26	
	855.64	-0.018	4.00	855.71		0.052	16.00	76+75.00	854.88	8.00	-0.052		854.46	6.00	-0.052	854.15	
END FS	855.42	-0.018	4.00	855.49	152:1	0.052	16.00	76+80.21	854.66	8.00	-0.052	152:1	854.24	6.00	-0.052	853.93	END FS
	854.38	-0.026	4.00	854.48	152:1	0.044	16.00	77+00.00	853.78	8.00	-0.044	152:1	853.43	6.00	-0.044	853.16	
PT	853.91	-0.026	4.00	854.01	152:1	0.040	16.00	77+09.36	853.37	8.00	-0.040	152:1	853.05	6.00	-0.040	852.81	PT
	853.08	-0.036	4.00	853.22	152:1	0.034	16.00	77+25.00	852.68	8.00	-0.034	152:1	852.41	6.00	-0.040	852.17	
	851.78	-0.040	4.00	851.94	152:1	0.023	16.00	77+50.00	851.57	8.00	-0.023	152:1	851.39	6.00	-0.040	851.15	
NC	850.89	-0.040	4.00	851.05	152:1	0.016	16.00	77+67.76	850.79	8.00	-0.016	152:1	850.66	6.00	-0.040	850.42	NC

SUPERELEVATION TABLE
RAMP D

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0959 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 8 - Ramp D PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:10 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP E SUPERELEVATION TRANSITION TABLE

PI STA. 61+59.47 Dc = 22° 00' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
BEGIN RAMP	851.03	-0.040	4.00	851.19		0.021	24.00	55+93.50	850.69					10.00	-0.040	850.29	BEGIN RAMP
	851.16	-0.040	4.00	851.32		0.021	24.00	56+00.00	850.82					10.00	-0.040	850.42	
	851.67	-0.040	4.00	851.83		0.021	24.00	56+25.00	851.32					10.00	-0.040	850.92	
	852.17	-0.040	4.00	852.33		0.021	24.00	56+50.00	851.82					10.00	-0.040	851.42	
	852.67	-0.040	4.00	852.83		0.021	24.00	56+75.00	852.33					10.00	-0.040	851.93	
	853.15	-0.040	4.00	853.31		0.021	24.00	57+00.00	852.80					10.00	-0.040	852.40	
	853.64	-0.040	4.00	853.80		0.021	28.27	57+25.00	853.21					10.00	-0.040	852.81	
	854.11	-0.040	4.00	854.27		0.021	34.27	57+50.00	853.55					10.00	-0.040	853.15	
	854.42	-0.040	4.00	854.58		0.021	36.00	57+75.00	853.82					10.00	-0.040	853.42	
	854.63	-0.040	4.00	854.79		0.021	36.00	58+00.00	854.03					10.00	-0.040	853.63	
	854.76	-0.040	4.00	854.92		0.021	36.00	58+25.00	854.17					10.00	-0.040	853.77	
	854.83	-0.040	4.00	854.99		0.021	36.00	58+50.00	854.24					10.00	-0.040	853.84	
CS	854.84	-0.040	4.00	855.00		0.021	36.00	58+73.60	854.24					10.00	-0.040	853.84	CS
NC	854.84	-0.040	4.00	855.00	143:1	0.021	36.00	58+75.00	854.24	0.10	-0.021	143:1	854.24	10.00	-0.040	853.84	NC
	854.91	-0.040	4.00	855.07	143:1	0.025	36.00	59+00.00	854.17	1.78	-0.025	143:1	854.13	10.00	-0.040	853.73	
	854.92	-0.040	4.00	855.08	143:1	0.029	36.00	59+25.00	854.04	3.47	-0.029	143:1	853.94	10.00	-0.040	853.54	
	854.88	-0.037	4.00	855.03	143:1	0.033	36.00	59+50.00	853.84	5.16	-0.033	143:1	853.67	10.00	-0.040	853.27	
	854.77	-0.033	4.00	854.90	143:1	0.037	36.00	59+75.00	853.57	6.85	-0.037	143:1	853.31	10.00	-0.040	852.91	
	854.59	-0.029	4.00	854.71	143:1	0.041	36.00	60+00.00	853.23	8.53	-0.041	143:1	852.88	10.00	-0.041	852.47	
	854.31	-0.026	4.00	854.41	143:1	0.044	36.00	60+25.00	852.83	10.22	-0.044	143:1	852.38	10.00	-0.044	851.94	
	853.99	-0.022	4.00	854.08	143:1	0.048	36.00	60+50.00	852.35	11.91	-0.048	143:1	851.78	10.00	-0.048	851.30	
SC & BEGIN FS	853.64	-0.018	4.00	853.72	143:1	0.052	36.00	60+73.60	851.84	13.50	-0.052	143:1	851.14	10.00	-0.052	850.62	SC & BEGIN FS
	853.61	-0.018	4.00	853.68		0.052	36.00	60+75.00	851.81	13.50	-0.052		851.11	10.00	-0.052	850.59	
	853.00	-0.018	4.00	853.08		0.052	36.00	61+00.00	851.20	13.50	-0.052		850.50	10.00	-0.052	849.98	
	852.33	-0.018	4.00	852.40		0.052	36.00	61+25.00	850.53	13.50	-0.052		849.83	10.00	-0.052	849.31	
	851.58	-0.018	4.00	851.66		0.052	36.00	61+50.00	849.78	13.50	-0.052		849.08	10.00	-0.052	848.56	
	850.77	-0.018	4.00	850.84		0.052	36.00	61+75.00	848.97	13.50	-0.052		848.27	10.00	-0.052	847.75	
	849.91	-0.018	4.00	849.98		0.052	36.00	62+00.00	848.11	13.50	-0.052		847.41	10.00	-0.052	846.89	
	849.06	-0.018	4.00	849.13		0.052	36.00	62+25.00	847.26	13.50	-0.052		846.56	10.00	-0.052	846.04	
CS & END FS	848.62	-0.018	4.00	848.70	143:1	0.052	36.00	62+39.50	846.82	13.50	-0.052	143:1	846.12	10.00	-0.052	845.60	CS & END FS
	848.25	-0.020	4.00	848.33	143:1	0.050	36.00	62+50.00	846.53	12.79	-0.050	143:1	845.89	10.00	-0.050	845.39	
	847.46	-0.025	4.00	847.56	143:1	0.045	36.00	62+75.00	845.94	11.10	-0.045	143:1	845.44	10.00	-0.045	844.99	
	846.77	-0.031	4.00	846.90	143:1	0.039	36.00	63+00.00	845.49	9.42	-0.039	143:1	845.13	10.00	-0.040	844.73	
	846.26	-0.036	4.00	846.40	143:1	0.034	36.00	63+25.00	845.18	7.73	-0.034	143:1	844.92	10.00	-0.040	844.52	
	845.89	-0.040	4.00	846.05	143:1	0.029	36.00	63+50.00	845.00	6.04	-0.029	143:1	844.83	10.00	-0.040	844.43	
	845.67	-0.040	4.00	845.83	143:1	0.024	36.00	63+75.00	844.96	4.35	-0.024	143:1	844.86	10.00	-0.040	844.46	
	845.53	-0.040	4.00	845.69	143:1	0.018	36.00	64+00.00	845.04	2.67	-0.018	143:1	844.99	10.00	-0.040	844.59	
NC	845.50	-0.040	4.00	845.66	143:1	0.016	36.00	64+10.72	845.08	1.94	-0.016	143:1	845.05	10.00	-0.040	844.65	NC

SUPERELEVATION TABLE
RAMP E

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0960 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 9 - Ramp E PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:11 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP G SUPERELEVATION TRANSITION TABLE

PI STA. 106+19.81 Dc = 4° 00' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
	911.06	-0.040	4.00	911.22	161:1	0.021	24.00	102+11.30	910.72					10.00	-0.040	910.32	
	911.39	-0.040	4.00	911.55	161:1	0.023	24.00	102+25.00	910.99					10.00	-0.040	910.59	
	912.02	-0.040	4.00	912.18	161:1	0.027	24.00	102+50.00	911.53					10.00	-0.040	911.13	
	912.70	-0.040	4.00	912.86	161:1	0.031	24.00	102+75.00	912.12					10.00	-0.040	911.72	
	913.42	-0.040	4.00	913.58	161:1	0.035	24.00	103+00.00	912.74					10.00	-0.040	912.34	
	914.19	-0.040	4.00	914.35	161:1	0.039	24.00	103+25.00	913.41					10.00	-0.040	913.01	
	914.97	-0.040	4.00	915.13	161:1	0.042	24.00	103+50.00	914.12					10.00	-0.040	913.72	
	915.82	-0.040	4.00	915.98	161:1	0.046	24.00	103+75.00	914.88					10.00	-0.038	914.50	
	916.71	-0.040	4.00	916.87	161:1	0.050	24.00	104+00.00	915.67					10.00	-0.037	915.30	
BEGIN FS	917.14	-0.040	4.00	917.30	161:1	0.052	24.00	104+11.30	916.05					10.00	-0.036	915.69	BEGIN FS
	917.60	-0.040	4.00	917.76		0.052	24.00	104+25.00	916.51					10.00	-0.036	916.15	
	918.49	-0.040	4.00	918.65		0.052	24.00	104+50.00	917.40					10.00	-0.036	917.04	
	919.41	-0.040	4.00	919.57		0.052	24.00	104+75.00	918.32					10.00	-0.036	917.96	
	920.38	-0.040	4.00	920.54		0.052	24.00	105+00.00	919.29					10.00	-0.036	918.93	
	921.38	-0.040	4.00	921.54		0.052	24.00	105+25.00	920.29					10.00	-0.036	919.93	
	922.38	-0.040	4.00	922.54		0.052	24.00	105+50.00	921.29					10.00	-0.036	920.93	
	923.38	-0.040	4.00	923.54		0.052	24.00	105+75.00	922.29					10.00	-0.036	921.93	
	924.38	-0.040	4.00	924.54		0.052	24.00	106+00.00	923.29					10.00	-0.036	922.93	
	925.38	-0.040	4.00	925.54		0.052	24.00	106+25.00	924.29					10.00	-0.036	923.93	
	926.38	-0.040	4.00	926.54		0.052	24.00	106+50.00	925.29					10.00	-0.036	924.93	
	927.38	-0.040	4.00	927.54		0.052	24.00	106+75.00	926.29					10.00	-0.036	925.93	
	928.38	-0.040	4.00	928.54		0.052	24.00	107+00.00	927.29					10.00	-0.036	926.93	
	929.37	-0.040	4.00	929.53		0.052	24.00	107+25.00	928.29	6.00	-0.052		927.97	10.00	-0.036	927.61	
	930.37	-0.040	4.00	930.53		0.052	24.00	107+50.00	929.29	12.00	-0.052		928.66	10.00	-0.036	928.30	
END FS	931.09	-0.040	4.00	931.25		0.052	24.00	107+67.82	930.00	12.00	-0.052		929.38	10.00	-0.036	929.02	END FS
	931.30	-0.040	4.00	931.46		0.049	24.00	107+75.00	930.28	12.00	-0.034		929.88	10.00	-0.036	929.52	
	932.04	-0.040	4.00	932.20	161:1	0.038	24.00	108+00.00	931.28	12.00	-0.038	161:1	930.83	10.00	-0.040	930.43	
	932.77	-0.040	4.00	932.93	161:1	0.027	24.00	108+25.00	932.28	12.00	-0.027	161:1	931.96	10.00	-0.040	931.56	
PT	932.79	-0.040	4.00	932.95	161:1	0.027	24.00	108+25.42	932.30	12.00	-0.027	161:1	931.98	10.00	-0.040	931.58	PT
	933.53	-0.040	4.00	933.69	161:1	0.017	24.00	108+50.00	933.28	12.00	-0.017	161:1	933.08	10.00	-0.040	932.68	
RC	933.55	-0.040	4.00	933.71	161:1	0.016	24.00	108+51.18	933.33	12.00	-0.016	161:1	933.14	10.00	-0.040	932.74	NC
	934.36	-0.040	4.00	934.52	161:1	0.010	24.00	108+75.00	934.28	12.00	-0.016	161:1	934.09	10.00	-0.040	933.69	
	935.19	-0.040	4.00	935.35	161:1	0.003	24.00	109+00.00	935.28	12.00	-0.016	161:1	935.09	10.00	-0.040	934.69	
LEVEL	935.64	-0.040	4.00	935.80	161:1	0.000	24.00	109+13.01	935.80	12.00	-0.016	161:1	935.61	10.00	-0.040	935.21	
	936.05	-0.040	4.00	936.21	161:1	-0.003	24.00	109+25.00	936.28	12.00	-0.016	161:1	936.09	10.00	-0.040	935.69	
	936.88	-0.040	4.00	937.04	161:1	-0.010	24.00	109+50.00	937.28	12.00	-0.016	161:1	937.09	10.00	-0.040	936.69	
NC	937.73	-0.040	4.00	937.89	161:1	-0.016	24.00	109+74.84	938.28	12.00	-0.016	161:1	938.08	10.00	-0.040	937.68	NC

SUPERELEVATION TABLE
RAMP G

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0961 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 10 - Ramp G PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:12 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

PI STA. 104+23.74 Dc = 3° 00' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
RC	912.36	-0.040	10.00	912.76	221:1	-0.016	12.00	102+30.73	912.95	12.00	0.016	221:1	913.14	4.00	-0.040	912.98	RC
	912.86	-0.040	10.00	913.26	221:1	-0.023	12.00	102+50.00	913.54	12.00	0.023	221:1	913.82	4.00	-0.040	913.66	
	913.55	-0.040	10.00	913.95	221:1	-0.033	12.00	102+75.00	914.35	12.00	0.033	221:1	914.74	4.00	-0.037	914.59	
PC	914.28	-0.042	10.00	914.70	221:1	-0.042	12.00	103+00.00	915.20	12.00	0.042	221:1	915.70	4.00	-0.028	915.59	PC
	914.98	-0.051	10.00	915.49	221:1	-0.051	12.00	103+25.00	916.10	12.00	0.051	221:1	916.71	4.00	-0.019	916.63	
BEGIN FS	915.25	-0.055	10.00	915.80	221:1	-0.055	12.00	103+34.63	916.46	12.00	0.055	221:1	917.12	4.00	-0.015	917.06	BEGIN FS
	915.83	-0.055	10.00	916.38		-0.055	12.00	103+50.00	917.04	12.00	0.055		917.70	4.00	-0.015	917.64	
	916.82	-0.055	10.00	917.37		-0.055	12.00	103+75.00	918.03	12.00	0.055		918.69	4.00	-0.015	918.63	
	917.86	-0.055	10.00	918.41		-0.055	12.00	104+00.00	919.07	12.00	0.055		919.73	4.00	-0.015	919.67	
	918.94	-0.055	10.00	919.49		-0.055	12.00	104+25.00	920.15	12.00	0.055		920.81	4.00	-0.015	920.75	
	920.06	-0.055	10.00	920.61		-0.055	12.00	104+50.00	921.27	12.00	0.055		921.93	4.00	-0.015	921.87	
	921.24	-0.055	10.00	921.79		-0.055	12.00	104+75.00	922.45	12.00	0.055		923.11	4.00	-0.015	923.05	
	922.45	-0.055	10.00	923.00		-0.055	12.00	105+00.00	923.66	12.00	0.055		924.32	4.00	-0.015	924.26	
END FS	923.08	-0.055	10.00	923.63	221:1	-0.055	12.00	105+12.50	924.29	12.00	0.055	221:1	924.95	4.00	-0.015	924.89	END FS
	923.81	-0.050	10.00	924.31	221:1	-0.050	12.00	105+25.00	924.91	12.00	0.050	221:1	925.51	4.00	-0.020	925.43	
PT	925.10	-0.042	10.00	925.52	221:1	-0.042	12.00	105+47.13	926.02	12.00	0.042	221:1	926.52	4.00	-0.020	926.44	PT
	925.26	-0.041	10.00	925.67	221:1	-0.041	12.00	105+50.00	926.16	12.00	0.041	221:1	926.66	4.00	-0.029	926.54	
	926.63	-0.040	10.00	927.03	221:1	-0.032	12.00	105+75.00	927.41	12.00	0.032	221:1	927.80	4.00	-0.038	927.65	
	928.00	-0.040	10.00	928.40	221:1	-0.022	12.00	106+00.00	928.66	12.00	0.022	221:1	928.93	4.00	-0.040	928.77	
NC	928.89	-0.040	10.00	929.29	221:1	-0.016	12.00	106+16.40	929.48	12.00	0.016	221:1	929.68	4.00	-0.040	929.52	NC
	929.32	-0.040	10.00	929.72		-0.016	12.00	106+25.00	929.91	12.00	0.016		930.11	4.00	-0.040	929.95	
	930.57	-0.040	10.00	930.97		-0.016	12.00	106+50.00	931.16	12.00	0.016		931.36	4.00	-0.040	931.20	
	931.82	-0.040	10.00	932.22		-0.016	12.00	106+75.00	932.41	12.00	0.016		932.61	4.00	-0.040	932.45	
	933.07	-0.040	10.00	933.47		-0.016	12.00	107+00.00	933.66	12.00	0.016		933.86	4.00	-0.040	933.70	
	934.32	-0.040	10.00	934.72		-0.016	12.00	107+25.00	934.91	12.00	0.016		935.11	4.00	-0.040	934.95	
	935.57	-0.040	10.00	935.97		-0.016	12.00	107+50.00	936.16	12.00	0.016		936.36	4.00	-0.040	936.20	
	936.82	-0.040	10.00	937.22		-0.016	12.00	107+75.00	937.41	12.00	0.016		937.61	4.00	-0.040	937.45	
	938.07	-0.040	10.00	938.47		-0.016	12.00	108+00.00	938.66	12.00	0.016		938.86	4.00	-0.040	938.70	
	939.32	-0.040	10.00	939.72		-0.016	12.00	108+25.00	939.91	12.00	0.016		940.11	4.00	-0.040	939.95	
NC	939.68	-0.040	10.00	940.08	221:1	-0.016	12.00	108+32.13	940.27	12.00	0.016	221:1	940.46	4.00	-0.040	940.30	NC
	940.66	-0.040	10.00	941.06	221:1	-0.009	12.00	108+50.00	941.16	12.00	0.009	221:1	941.27	4.00	-0.040	941.11	
LEVEL	942.00	-0.040	10.00	942.40	221:1	0.000	12.00	108+74.75	942.40	12.00	0.000	221:1	942.40	4.00	-0.040	942.24	LEVEL
	942.01	-0.040	10.00	942.41	221:1	0.000	12.00	108+75.00	942.41	12.00	0.000	221:1	942.41	4.00	-0.040	942.25	
	943.37	-0.040	10.00	943.77	221:1	0.009	12.00	109+00.00	943.66	12.00	-0.009	221:1	943.56	4.00	-0.040	943.40	
RC	944.32	-0.040	10.00	944.72	221:1	0.016	12.00	109+17.37	944.53	12.00	-0.016	221:1	944.34	4.00	-0.040	944.18	RC
	944.73	-0.040	10.00	945.13	221:1	0.018	12.00	109+25.00	944.91	12.00	-0.018	221:1	944.70	4.00	-0.040	944.54	
	946.08	-0.040	10.00	946.48	221:1	0.026	12.00	109+50.00	946.16	12.00	-0.026	221:1	945.85	4.00	-0.040	945.69	
PC	947.29	-0.040	10.00	947.69	221:1	0.034	12.00	109+72.43	947.28	12.00	-0.034	221:1	946.87	4.00	-0.040	946.71	PC
	947.42	-0.040	10.00	947.82	221:1	0.034	12.00	109+75.00	947.41	12.00	-0.034	221:1	947.01	4.00	-0.040	946.85	
	948.94	-0.023	10.00	949.17	221:1	0.042	12.00	110+00.00	948.66	12.00	-0.042	221:1	948.16	4.00	-0.042	947.99	
BEGIN FS	950.12	-0.015	10.00	950.27	221:1	0.045	12.00	110+08.43	949.73	12.00	-0.045	221:1	949.19	4.00	-0.045	949.01	BEGIN FS
	950.30	-0.015	10.00	950.45		0.045	12.00	110+25.00	949.91	12.00	-0.045		949.37	4.00	-0.045	949.19	
	951.55	-0.015	10.00	951.70		0.045	12.00	110+50.00	951.16	12.00	-0.045		950.62	4.00	-0.045	950.44	
	952.80	-0.015	10.00	952.95		0.045	12.00	110+75.00	952.41	12.00	-0.045		951.87	4.00	-0.045	951.69	
	953.96	-0.015	10.00	954.11		0.045	12.00	111+00.00	953.57	12.00	-0.045		953.03	4.00	-0.045	952.85	
	955.02	-0.015	10.00	955.17		0.045	12.00	111+25.00	954.63	12.00	-0.045		954.09	4.00	-0.045	953.91	
	955.98	-0.015	10.00	956.13		0.045	12.00	111+50.00	955.59	12.00	-0.045		955.05	4.00	-0.045	954.87	
	956.73	-0.026	10.00	956.99		0.045	12.00	111+75.00	956.45	12.00	-0.045		955.91	4.00	-0.045	955.73	
END FS	956.75	-0.026	10.00	957.01		0.045	12.00	111+75.53	956.47	12.00	-0.045		955.93	4.00	-0.045	955.75	END FS
	957.27	-0.040	10.00	957.67	221:1	0.038	12.00	112+00.00	957.21	12.00	-0.038	221:1	956.76	4.00	-0.040	956.60	
	957.85	-0.040	10.00	958.25	221:1	0.032	12.00	112+25.00	957.87	12.00	-0.032	221:1	957.49	4.00	-0.040	957.33	
	958.33	-0.040	10.00	958.73	221:1	0.025	12.00	112+50.00	958.43	12.00	-0.025	221:1	958.13	4.00	-0.040	957.97	
END RAMP	958.47	-0.040	10.00	958.87	221:1	0.023	12.00	112+58.57	958.60	12.00	-0.023	221:1	958.32	4.00	-0.040	958.16	END RAMP

SUPERELEVATION TABLE
RAMP H

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0962 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 11 - Ramp H PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:13 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

RAMP I SUPERELEVATION TRANSITION TABLE

PI STA. 126+59.95 Dc = 2° 00' 00"

DESCRIPTION	LEFT SIDE			BASELINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
NC	950.95	-0.040	6.00	121+83.92	951.19	16.00	0.016	221:1	951.45	3.00	-0.040	951.33	NC
	950.94	-0.040	6.00	122+00.00	951.18	16.00	0.021	221:1	951.51	3.00	-0.040	951.39	
	950.96	-0.040	6.00	122+25.00	951.20	16.00	0.028	221:1	951.65	3.00	-0.040	951.53	
	951.05	-0.035	6.00	122+50.00	951.26	16.00	0.035	221:1	951.82	3.00	-0.035	951.72	
PC	951.06	-0.035	6.00	122+52.59	951.27	16.00	0.035	221:1	951.83	3.00	-0.035	951.73	PC
	951.19	-0.028	6.00	122+75.00	951.36	16.00	0.042	221:1	952.03	3.00	-0.042	951.91	
BEGIN FS	951.25	-0.025	6.00	122+86.93	951.40	16.00	0.045	221:1	952.12	3.00	-0.045	951.99	BEGIN FS
	951.35	-0.025	6.00	123+00.00	951.50	16.00	0.045		952.22	3.00	-0.045	952.09	
	951.54	-0.025	6.00	123+25.00	951.69	16.00	0.045		952.41	3.00	-0.045	952.28	
	951.76	-0.025	6.00	123+50.00	951.91	16.00	0.045		952.63	3.00	-0.045	952.50	
	952.03	-0.025	6.00	123+75.00	952.18	16.00	0.045		952.90	3.00	-0.045	952.77	
	952.34	-0.025	6.00	124+00.00	952.49	16.00	0.045		953.21	3.00	-0.045	953.08	
	952.70	-0.025	6.00	124+25.00	952.85	16.00	0.045		953.57	3.00	-0.045	953.44	
	953.09	-0.025	6.00	124+50.00	953.24	16.00	0.045		953.96	3.00	-0.045	953.83	
	953.51	-0.025	6.91	124+75.00	953.68	16.00	0.045		954.40	3.00	-0.045	954.27	
	953.96	-0.025	7.91	125+00.00	954.16	16.00	0.045		954.88	3.00	-0.045	954.75	
END RAMP	954.01	-0.025	8.00	125+02.59	954.21	16.00	0.045		954.93	3.00	-0.045	954.80	END RAMP

RAMP J SUPERELEVATION TRANSITION TABLE

PI STA. 118+03.57 Dc = 4° 30' 00"

DESCRIPTION	LEFT SIDE							BASELINE CONTROL		RIGHT SIDE			DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	P[AVEMENT WIDTH	STATION	ELEVATION (PGL)	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
	942.44	-0.055	3.000	942.60	200:1	-0.055	16.00	111+29.92	943.48	6.00	-0.015	943.39	
BEGIN FS	942.36	-0.057	3.000	942.53	200:1	-0.057	16.00	111+36.12	943.45	6.00	-0.013	943.37	BEGIN FS
	942.29	-0.057	3.000	942.46	200:1	-0.057	16.00	111+50.00	943.37	6.00	-0.013	943.30	
	942.14	-0.057	3.000	942.31	200:1	-0.057	16.00	111+75.00	943.22	6.00	-0.013	943.14	
	941.99	-0.057	3.000	942.16	200:1	-0.057	16.00	112+00.00	943.07	6.00	-0.013	943.00	
	941.84	-0.057	3.000	942.01	200:1	-0.057	16.00	112+25.00	942.92	6.00	-0.013	942.85	
	941.69	-0.057	3.000	941.86	200:1	-0.057	16.00	112+50.00	942.77	6.00	-0.013	942.70	
	941.54	-0.057	3.000	941.71	200:1	-0.057	16.00	112+75.00	942.62	6.00	-0.013	942.54	
	941.39	-0.057	3.000	941.56	200:1	-0.057	16.00	113+00.00	942.47	6.00	-0.013	942.39	
END FS	941.28	-0.057	3.000	941.45	200:1	-0.057	16.00	113+18.55	942.36	6.00	-0.013	942.28	END FS
	941.30	-0.054	3.000	941.46	200:1	-0.054	16.00	113+25.00	942.32	6.00	-0.016	942.23	
	941.32	-0.045	3.000	941.45	200:1	-0.045	16.00	113+50.00	942.17	6.00	-0.025	942.02	
	941.34	-0.040	3.000	941.46	200:1	-0.035	16.00	113+75.00	942.02	6.00	-0.035	941.81	
PT	941.34	-0.040	3.000	941.46	200:1	-0.032	16.00	113+83.53	941.97	6.00	-0.038	941.74	PT
	941.35	-0.040	3.000	941.47	200:1	-0.025	16.00	114+00.00	941.87	6.00	-0.040	941.63	
	941.34	-0.040	3.000	941.46	200:1	-0.016	16.00	114+25.00	941.72	6.00	-0.040	941.48	
	941.35	-0.040	3.000	941.47	200:1	-0.006	16.00	114+50.00	941.57	6.00	-0.040	941.33	
LEVEL	941.36	-0.040	3.000	941.48	200:1	0.000	16.00	114+65.38	941.48	6.00	-0.040	941.24	LEVEL
	941.35	-0.040	3.000	941.47	200:1	0.003	16.00	114+75.00	941.42	6.00	-0.040	941.18	
	941.34	-0.040	3.000	941.46	200:1	0.012	16.00	115+00.00	941.27	6.00	-0.040	941.03	
	941.34	-0.040	3.000	941.46	200:1	0.020	16.00	115+25.00	941.14	6.00	-0.040	940.90	
	941.41	-0.040	3.000	941.53	200:1	0.029	16.00	115+50.00	941.07	6.00	-0.040	940.83	
PC	941.47	-0.040	3.000	941.59	200:1	0.033	16.00	115+61.70	941.06	6.00	-0.040	940.82	PC
	941.53	-0.034	3.000	941.63	200:1	0.037	16.00	115+75.00	941.04	6.00	-0.040	940.80	
	941.68	-0.042	3.000	941.81	200:1	0.046	16.00	116+00.00	941.07	6.00	-0.042	940.82	
	941.95	-0.020	3.000	942.01	200:1	0.054	16.00	116+25.00	941.15	6.00	-0.050	940.85	
BEGIN FS	942.12	-0.016	3.000	942.17	200:1	0.059	16.00	116+38.18	941.22	6.00	-0.059	940.87	BEGIN FS
	942.18	-0.016	3.000	942.22		0.059	16.00	116+50.00	941.28	6.00	-0.059	940.93	
	942.36	-0.016	3.000	942.40		0.059	16.00	116+75.00	941.46	6.00	-0.059	941.11	
	942.60	-0.016	3.000	942.64		0.059	16.00	117+00.00	941.70	6.00	-0.059	941.35	
	942.88	-0.016	3.000	942.92		0.059	16.00	117+25.00	941.98	6.00	-0.059	941.63	
	943.21	-0.016	3.000	943.25		0.059	16.00	117+50.00	942.31	6.00	-0.059	941.96	
	943.60	-0.016	3.000	943.64		0.059	16.00	117+75.00	942.70	6.00	-0.059	942.35	
	944.04	-0.016	3.000	944.08		0.059	16.00	118+00.00	943.14	6.00	-0.059	942.79	
	944.52	-0.016	3.000	944.56		0.059	16.00	118+25.00	943.62	6.00	-0.059	943.27	
	945.06	-0.016	3.000	945.10		0.059	16.00	118+50.00	944.16	6.00	-0.059	943.81	
	945.65	-0.016	3.000	945.69		0.059	16.00	118+75.00	944.75	6.00	-0.059	944.40	
	946.29	-0.016	3.000	946.33		0.059	16.00	119+00.00	945.39	6.00	-0.059	945.04	
	946.96	-0.016	3.000	947.00		0.059	16.00	119+25.00	946.06	6.00	-0.059	945.71	
	947.63	-0.016	3.000	947.67		0.059	16.00	119+50.00	946.73	6.00	-0.059	946.38	
	948.20	-0.016	3.000	948.24		0.059	16.00	119+75.00	947.30	6.00	-0.059	946.95	
	948.96	-0.016	3.000	949.00		0.059	16.00	120+00.00	948.06	6.00	-0.059	947.71	
	949.62	-0.016	3.000	949.66		0.059	16.00	120+25.00	948.72	6.00	-0.059	948.37	
CS & END FS	950.16	-0.016	3.000	950.20		0.059	16.00	120+39.75	949.26	6.00	-0.059	948.91	CS & END FS
END RAMP	950.26	-0.017	3.000	950.31	200:1	0.058	16.00	120+44.38	949.39	6.00	-0.058	949.04	END RAMP

SUPERELEVATION TABLE
RAMP I AND RAMP J

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0963 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 12 - Ramp I and J PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:14 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

SR 204 SUPERELEVATION TRANSITION TABLE

PI STA. 44+29.49 Dc = 06° 00' 00"

DESCRIPTION	LEFT SIDE							CENTERLINE CONTROL		RIGHT SIDE							DESCRIPTION
	EDGE OF SHOULDER	SHOULDER CROSS SLOPE	SHOULDER WIDTH	EDGE OF PAVEMENT	TRANSITION RATE	PAVEMENT CROSS SLOPE	PAVEMENT WIDTH	STATION	ELEVATION (PGL)	PAVEMENT WIDTH	PAVEMENT CROSS SLOPE	TRANSITION RATE	EDGE OF PAVEMENT	SHOULDER WIDTH	SHOULDER CROSS SLOPE	EDGE OF SHOULDER	
	910.21	-0.040	8.00	910.53		-0.016	18.00	39+00.00	910.82	18.00	-0.016		910.53	8.00	-0.040	910.21	
	910.40	-0.040	8.00	910.72		-0.016	18.00	39+25.00	911.01	18.00	-0.016		910.72	8.00	-0.040	910.40	
NC	910.43	-0.040	8.00	910.75	185:1	-0.016	18.00	39+30.13	911.04	18.00	-0.016		910.75	8.00	-0.040	910.43	
	910.71	-0.040	8.00	911.03	185:1	-0.007	18.00	39+50.00	911.16	18.00	-0.016		910.87	8.00	-0.040	910.55	
1/2 LEVEL	910.93	-0.040	8.00	911.25	185:1	0.000	18.00	39+65.65	911.25	18.00	-0.016		910.96	8.00	-0.040	910.64	
	911.06	-0.040	8.00	911.38	185:1	0.004	18.00	39+75.00	911.31	18.00	-0.016		911.02	8.00	-0.040	910.70	
	911.41	-0.040	8.00	911.73	185:1	0.015	18.00	40+00.00	911.46	18.00	-0.016		911.17	8.00	-0.040	910.85	
RC	911.44	-0.040	8.00	911.76	185:1	0.016	18.00	40+01.17	911.47	18.00	-0.016	185:1	911.18	8.00	-0.040	910.86	NC
	911.78	-0.040	8.00	912.10	185:1	0.027	18.00	40+25.00	911.61	18.00	-0.027	185:1	911.13	8.00	-0.040	910.81	
PC	912.07	-0.040	8.00	912.39	185:1	0.036	18.00	40+45.97	911.74	18.00	-0.036	185:1	911.09	8.00	-0.040	910.77	PC
	912.19	-0.032	8.00	912.44	185:1	0.038	18.00	40+50.00	911.76	18.00	-0.038	185:1	911.08	8.00	-0.038	910.77	
	912.62	-0.021	8.00	912.79	185:1	0.049	18.00	40+75.00	911.91	18.00	-0.049	185:1	911.03	8.00	-0.049	910.64	
BEGIN FS	912.81	-0.016	8.00	912.94	185:1	0.054	18.00	40+85.53	911.97	18.00	-0.054	185:1	911.00	8.00	-0.054	910.57	BEGIN FS
	912.90	-0.016	8.00	913.03		0.054	18.00	41+00.00	912.06	18.00	-0.054		911.09	8.00	-0.054	910.66	
	913.06	-0.016	8.00	913.18		0.054	18.00	41+25.00	912.21	18.00	-0.054		911.24	8.00	-0.054	910.81	
	913.21	-0.016	8.00	913.33		0.054	18.00	41+50.00	912.36	18.00	-0.054		911.39	8.00	-0.054	910.96	
	913.35	-0.016	8.00	913.48		0.054	18.00	41+75.00	912.51	18.00	-0.054		911.54	8.00	-0.054	911.11	
	913.50	-0.016	8.00	913.63		0.054	18.00	42+00.00	912.66	18.00	-0.054		911.69	8.00	-0.054	911.26	
	913.65	-0.016	8.00	913.78		0.054	18.00	42+25.00	912.81	18.00	-0.054		911.84	8.00	-0.054	911.41	
	913.77	-0.016	8.00	913.90		0.054	18.00	42+50.00	912.93	18.00	-0.054		911.95	8.00	-0.054	911.52	
	913.82	-0.016	8.00	913.95		0.054	18.00	42+75.00	912.97	18.00	-0.054		912.00	8.00	-0.054	911.57	
	913.80	-0.016	8.00	913.93		0.054	18.00	43+00.00	912.95	18.00	-0.054		911.98	8.00	-0.054	911.55	
	913.71	-0.016	8.00	913.84		0.054	18.00	43+25.00	912.87	18.00	-0.054		911.89	8.00	-0.054	911.46	
	913.55	-0.016	8.00	913.68		0.054	18.00	43+50.00	912.71	18.00	-0.054		911.74	8.00	-0.054	911.31	
	913.33	-0.016	8.00	913.46		0.054	18.00	43+75.00	912.49	18.00	-0.054		911.51	8.00	-0.054	911.08	
	913.04	-0.016	8.00	913.17		0.054	18.00	44+00.00	912.19	18.00	-0.054		911.22	8.00	-0.054	910.79	
	912.68	-0.016	8.00	912.81		0.054	18.00	44+25.00	911.83	18.00	-0.054		910.86	8.00	-0.054	910.43	
	912.25	-0.016	8.00	912.38		0.054	18.00	44+50.00	911.41	18.00	-0.054		910.43	8.00	-0.054	910.00	
	911.75	-0.016	8.00	911.88		0.054	18.00	44+75.00	910.91	18.00	-0.054		909.94	8.00	-0.054	909.51	
	911.19	-0.016	8.00	911.32		0.054	18.00	45+00.00	910.35	18.00	-0.054		909.37	8.00	-0.054	908.94	
	910.56	-0.016	8.00	910.69		0.054	18.00	45+25.00	909.71	18.00	-0.054		908.74	8.00	-0.054	908.31	
	909.86	-0.016	8.00	909.99		0.054	18.00	45+50.00	909.01	18.00	-0.054		908.04	8.00	-0.054	907.61	
	909.09	-0.016	8.00	909.22		0.054	18.00	45+75.00	908.25	18.00	-0.054		907.27	8.00	-0.054	906.84	
	908.27	-0.016	7.75	908.39		0.054	17.58	46+00.00	907.44	17.56	-0.054		906.50	7.70	-0.054	906.08	
	907.44	-0.016	7.34	907.55		0.054	16.87	46+25.00	906.64	16.83	-0.054		905.73	7.19	-0.054	905.34	
	906.60	-0.016	6.93	906.71		0.054	16.16	46+50.00	905.84	16.11	-0.054		904.97	6.69	-0.054	904.61	
	905.77	-0.016	6.52	905.87		0.054	15.45	46+75.00	905.04	15.38	-0.054		904.21	6.18	-0.054	903.87	
	904.93	-0.016	6.11	905.03		0.054	14.74	47+00.00	904.24	14.65	-0.054		903.44	5.67	-0.054	903.14	
	904.10	-0.016	5.70	904.19		0.054	14.03	47+25.00	903.43	13.92	-0.054		902.68	5.17	-0.054	902.40	
END FS	903.76	-0.016	5.54	903.85	185:1	0.054	13.75	47+35.00	903.11	13.63	-0.054	185:1	902.37	4.97	-0.054	902.11	END FS
	903.14	-0.023	5.29	903.26	185:1	0.047	13.32	47+50.00	902.63	13.19	-0.047	185:1	902.01	4.66	-0.047	901.79	
	902.22	-0.034	4.89	902.39	185:1	0.036	12.61	47+75.00	901.93	12.46	-0.036	185:1	901.48	4.15	-0.036	901.33	
PT	902.21	-0.034	4.89	902.37	185:1	0.036	12.61	47+75.36	901.92	12.46	-0.036	185:1	901.47	4.15	-0.036	901.32	PT
END WORK	901.56	-0.040	4.50	901.74	185:1	0.025	11.90	48+00.00	901.44	11.70	-0.025	185:1	901.15	3.70	-0.040	901.00	END WORK
RC						0.016		48+20.17			-0.016						NC

SUPERELEVATION TABLE
SR 204

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

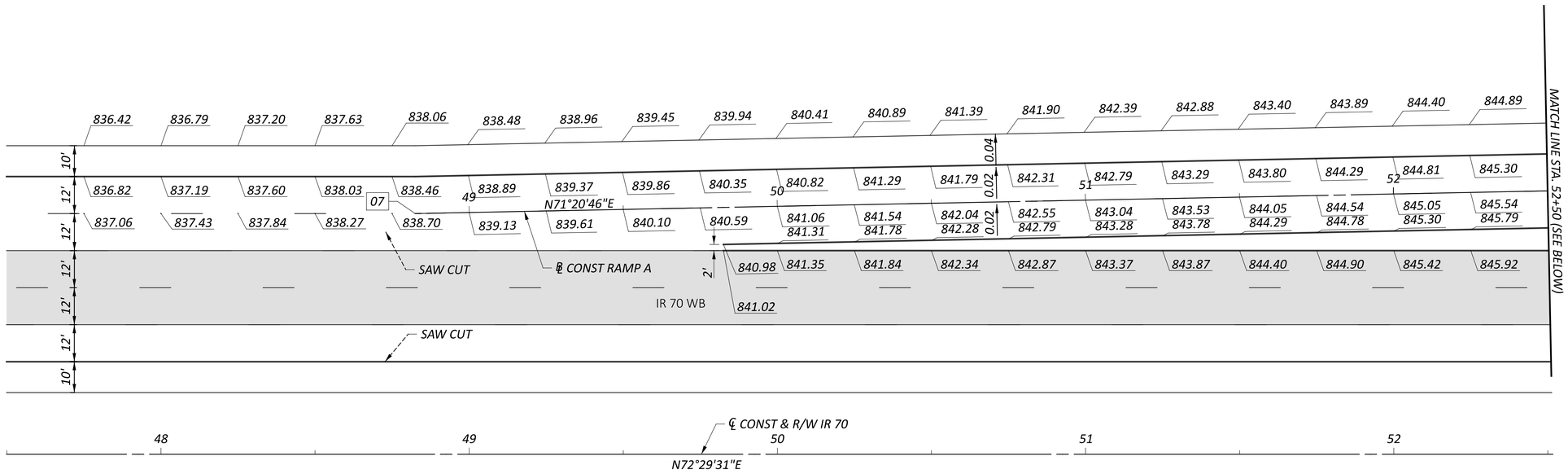
SHEET P.0964 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 13 - SR 204 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:03:15 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GE001.dgn

07 STA. 48+82.50, ℄ CONST RAMP A =
STA. 48+82.50, 78.00' LT, ℄ CONST & R/W IR 70

NOTE: ELEVATIONS SHOWN AT 25' INTERVALS

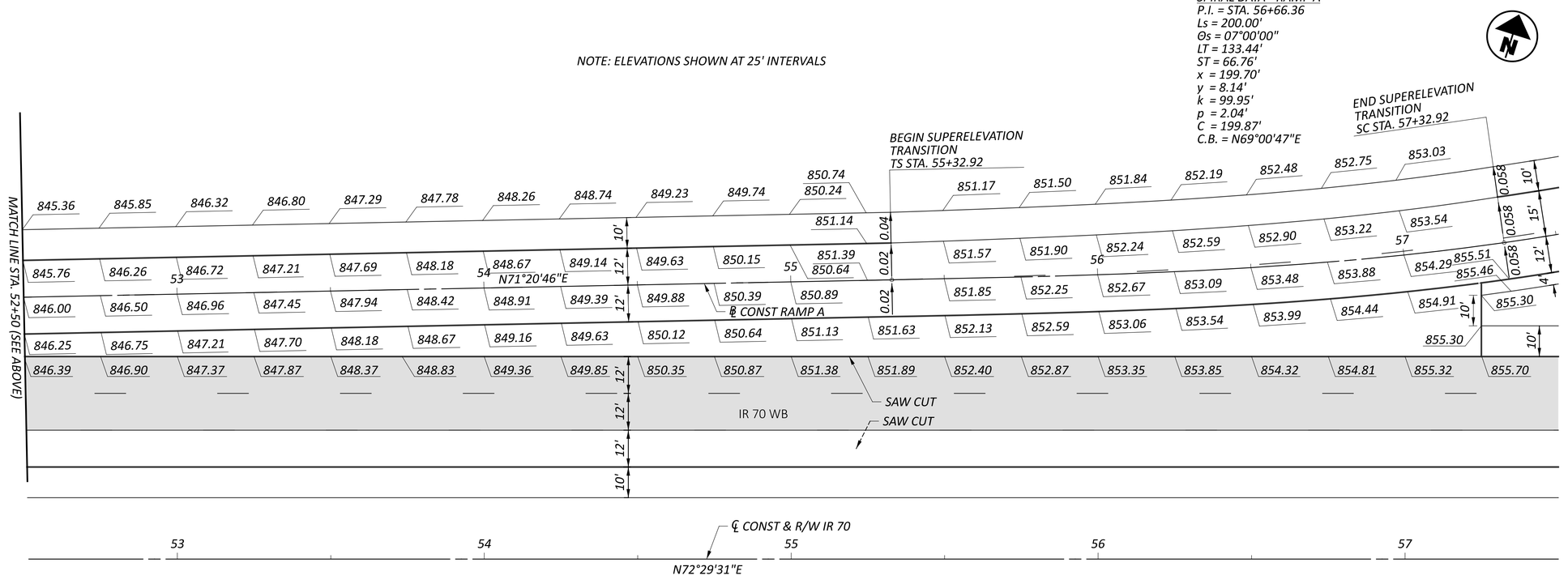


HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMP A
STA. 47+50.00 TO STA. 57+50.00

SPIRAL DATA - RAMP A
P.I. = STA. 56+66.36
Ls = 200.00'
Θs = 07°00'00"
LT = 133.44'
ST = 66.76'
x = 199.70'
y = 8.14'
k = 99.95'
p = 2.04'
C = 199.87'
C.B. = N69°00'47"E

NOTE: ELEVATIONS SHOWN AT 25' INTERVALS



DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0965 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

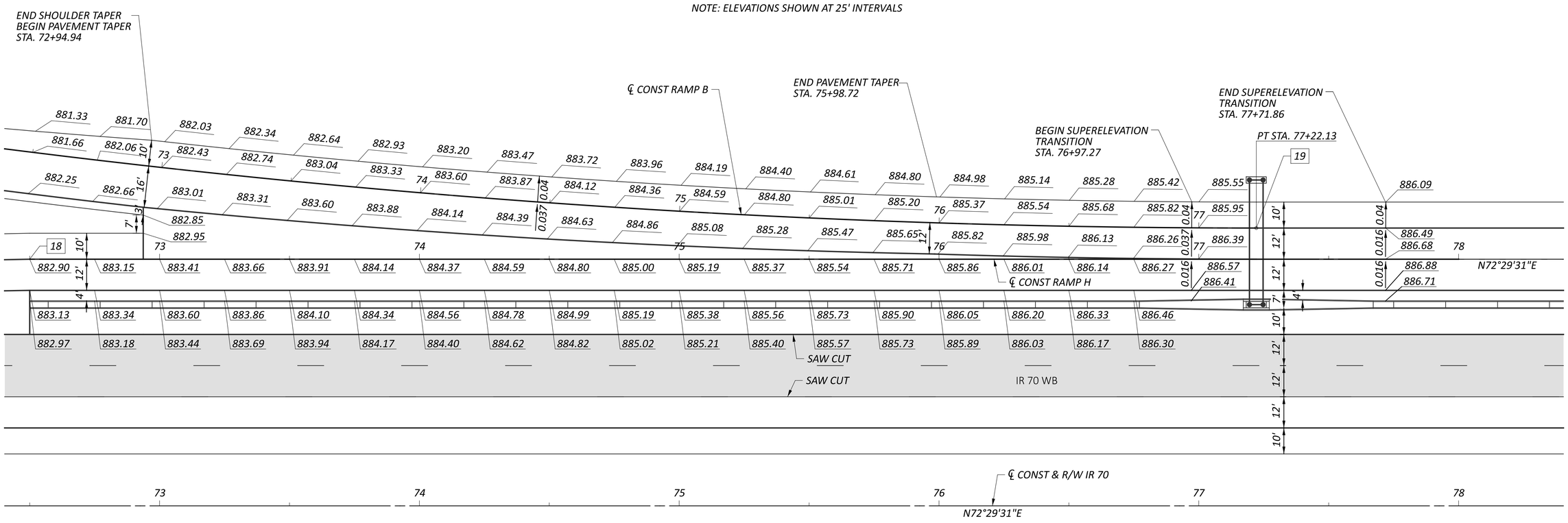
MODEL: BLP_R070A - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:06:01 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\v01-Engineering_StructurePoint\Roadway\Sheets\96808_GI211.dgn

18 STA. 72+50.00, ℄ CONST RAMP H =
STA. 72+50.00, 95.00' LT, ℄ CONST & R/W IR 70

19 STA. 77+22.13, ℄ CONST RAMP B =
STA. 77+22.13, 107.00' LT, ℄ CONST & R/W IR 70

CURVE DATA - RAMP B
P.I. = STA. 72+24.84
Δ = 15°00'18" LT
Dc = 01°30'00"
R = 3,819.72'
T = 503.04'
L = 1,000.33'
E = 32.98'
P.C. = 67+21.80

NOTE: ELEVATIONS SHOWN AT 25' INTERVALS



RAMP TERMINAL DETAILS - RAMP B
STA. TO STA. 78+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070B - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:06:14 PM USER: brieder
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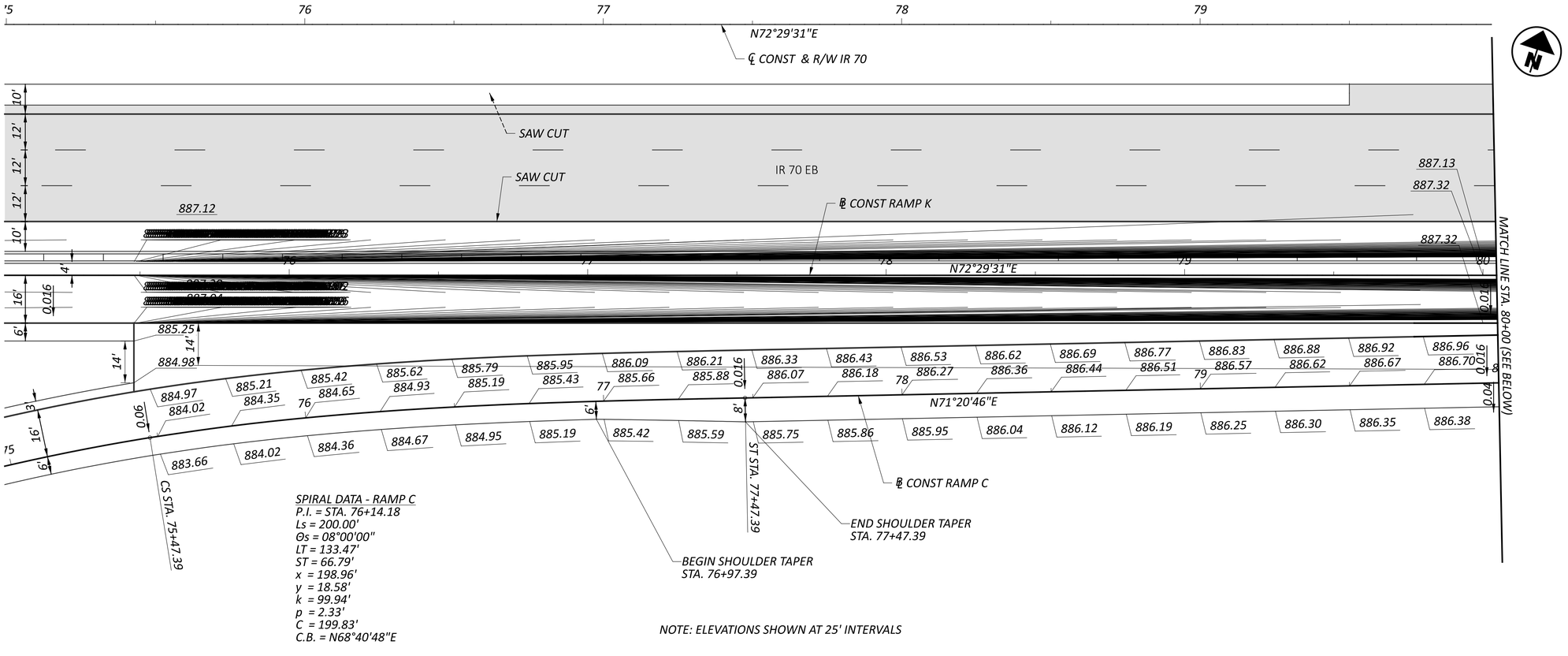
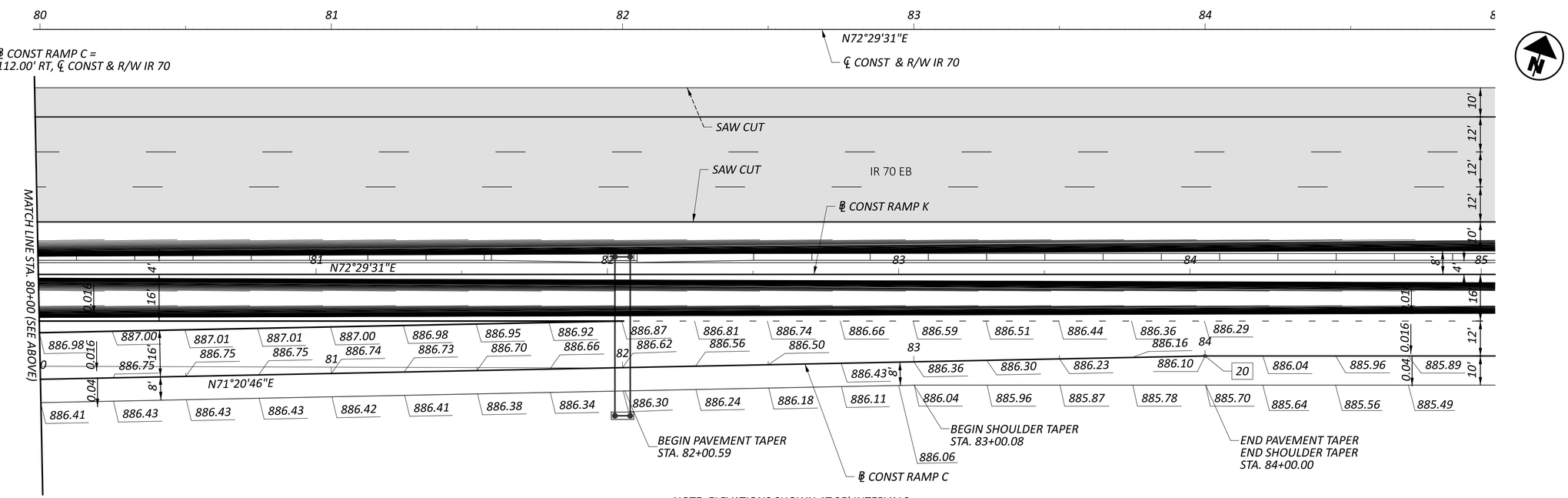
DESIGN AGENCY
STRUCTUREPOINT INC.
DESIGNER
BER
REVIEWER
KAM 04/25/25
PROJECT ID
96808
SHEET P.0966 TOTAL P.1556





HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMP C
STA. 75+00.00 TO STA. 85+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0967
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070C - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:06:30 PM USER: brieder
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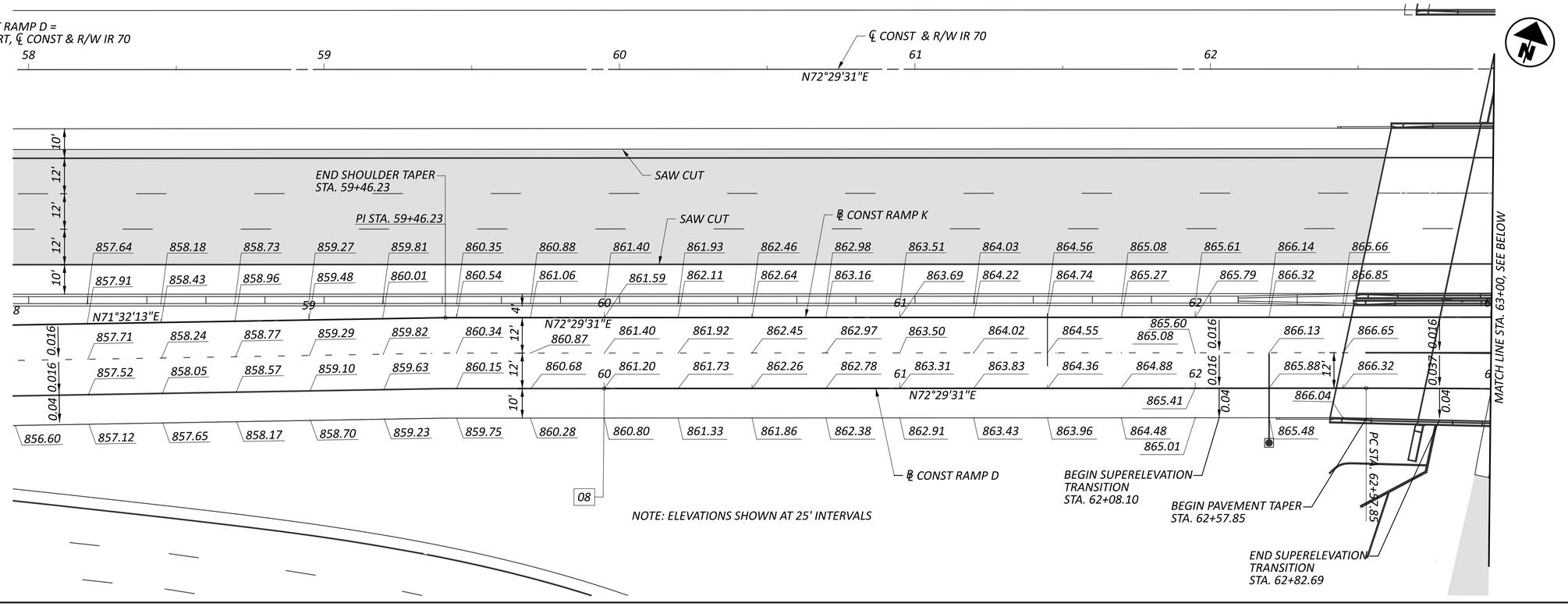
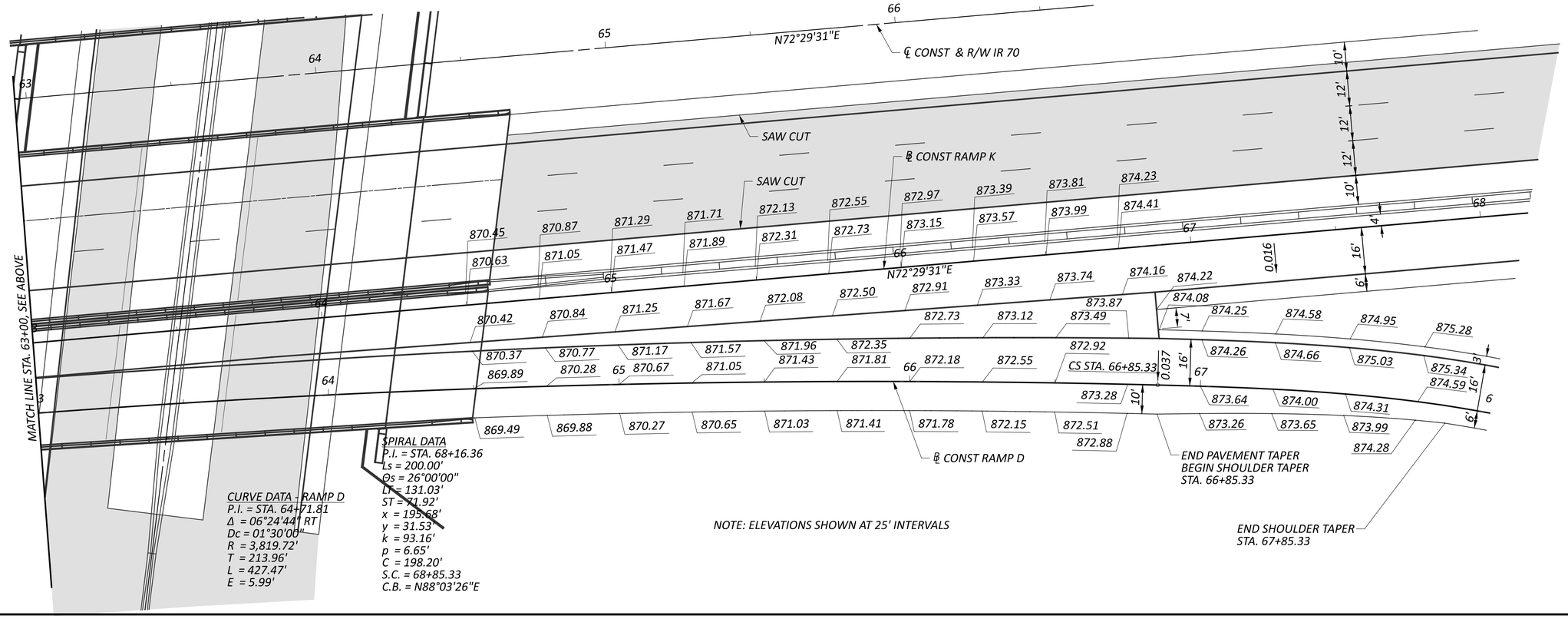




HORIZONTAL SCALE IN FEET
0 10 20 40

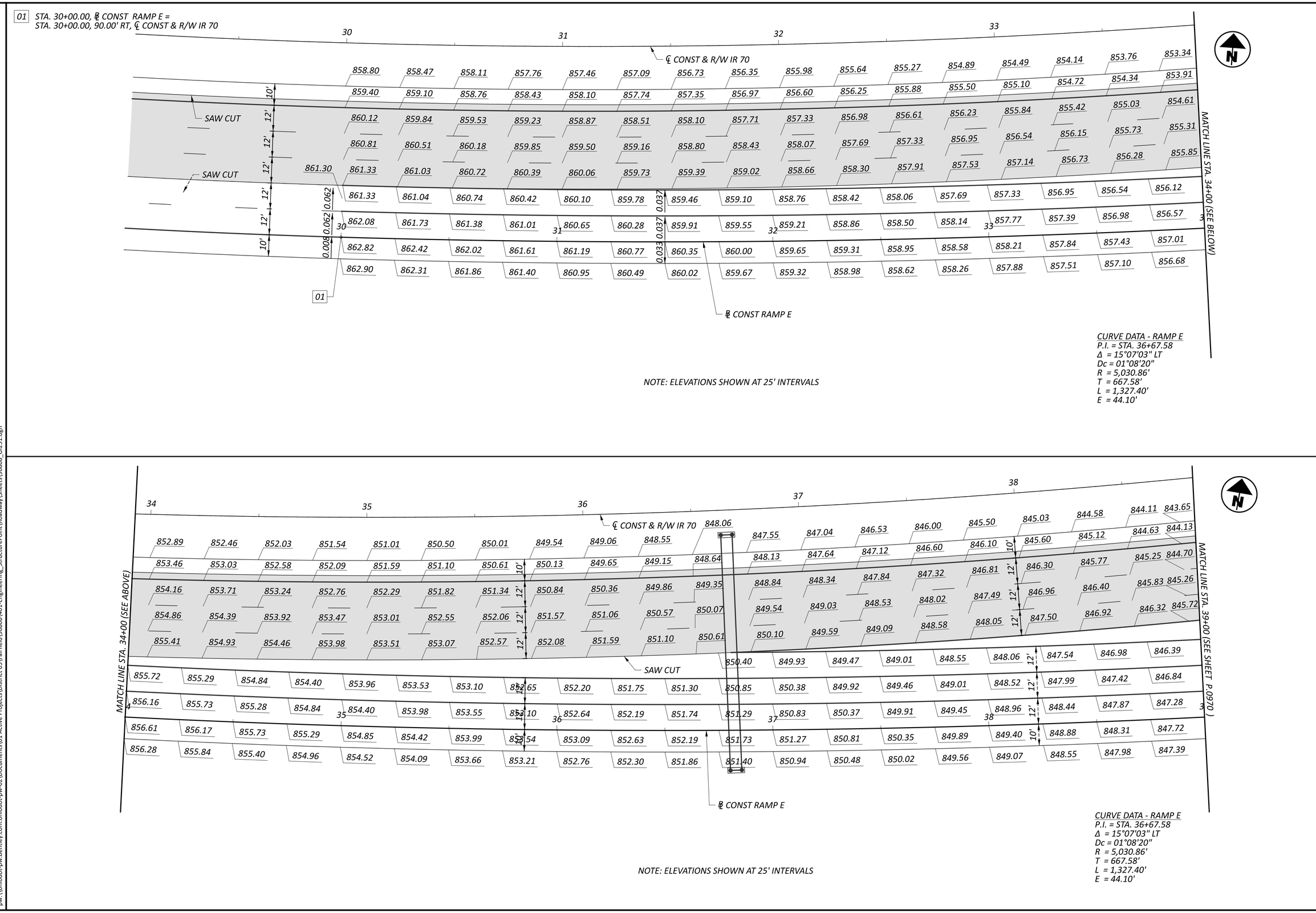
RAMP TERMINAL DETAILS - RAMP D
STA. 58+00.00 TO STA. 68+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0968 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07OD - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:06:44 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\d01-Engineering_StructurePoint\Roadway\Sheets\96808_GI241.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMPS E & K
STA. 30+00.00 TO STA. 39+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070E - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:07:13 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GI251.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

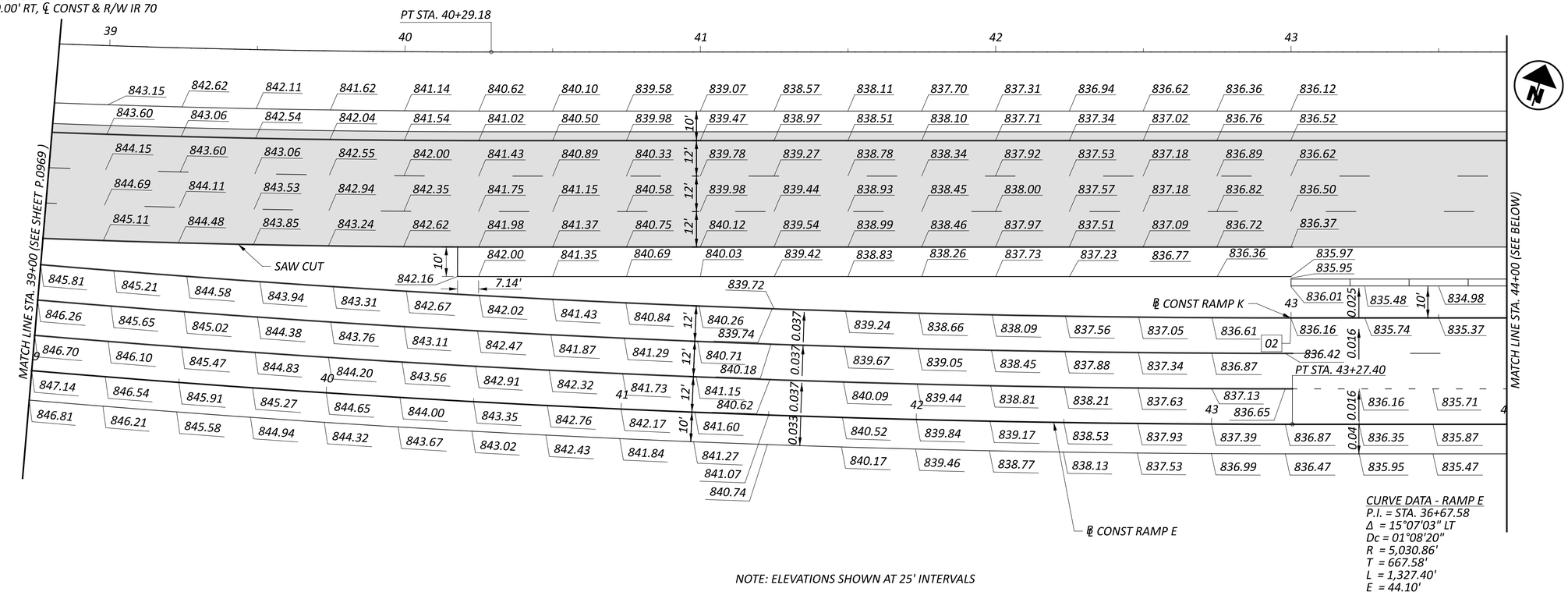
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0969 TOTAL P.1556

02 STA. 43+00.00, ℄ CONST RAMP K =
STA. 43+00.00, 90.00' RT, ℄ CONST & R/W IR 70

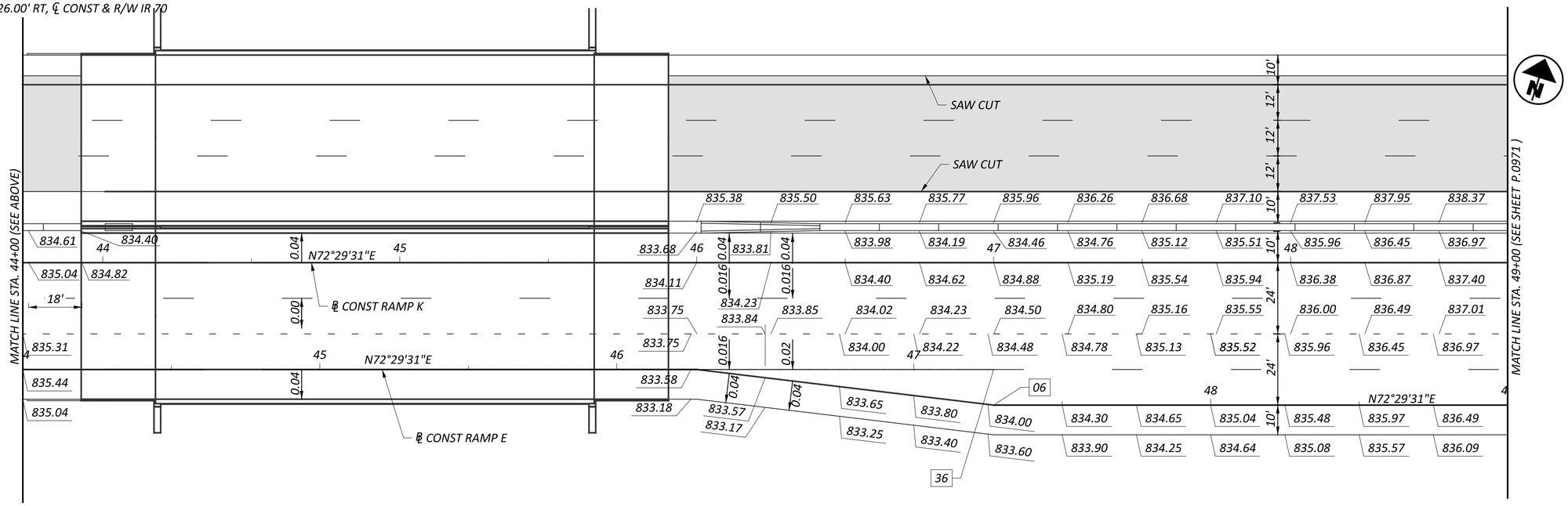


NOTE: ELEVATIONS SHOWN AT 25' INTERVALS

CURVE DATA - RAMP E
P.I. = STA. 36+67.58
Δ = 15°07'03" LT
Dc = 01°08'20"
R = 5,030.86'
T = 667.58'
L = 1,327.40'
E = 44.10'

06 STA. 47+26.92, ℄ CONST RAMP E =
STA. 47+26.92, 12.00' RT, ℄ CONST RAMP E

36 STA. 47+26.92, ℄ CONST RAMP E =
STA. 47+00.00, 126.00' RT, ℄ CONST & R/W IR 70



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS

HORIZONTAL SCALE IN FEET
0 10 20 40

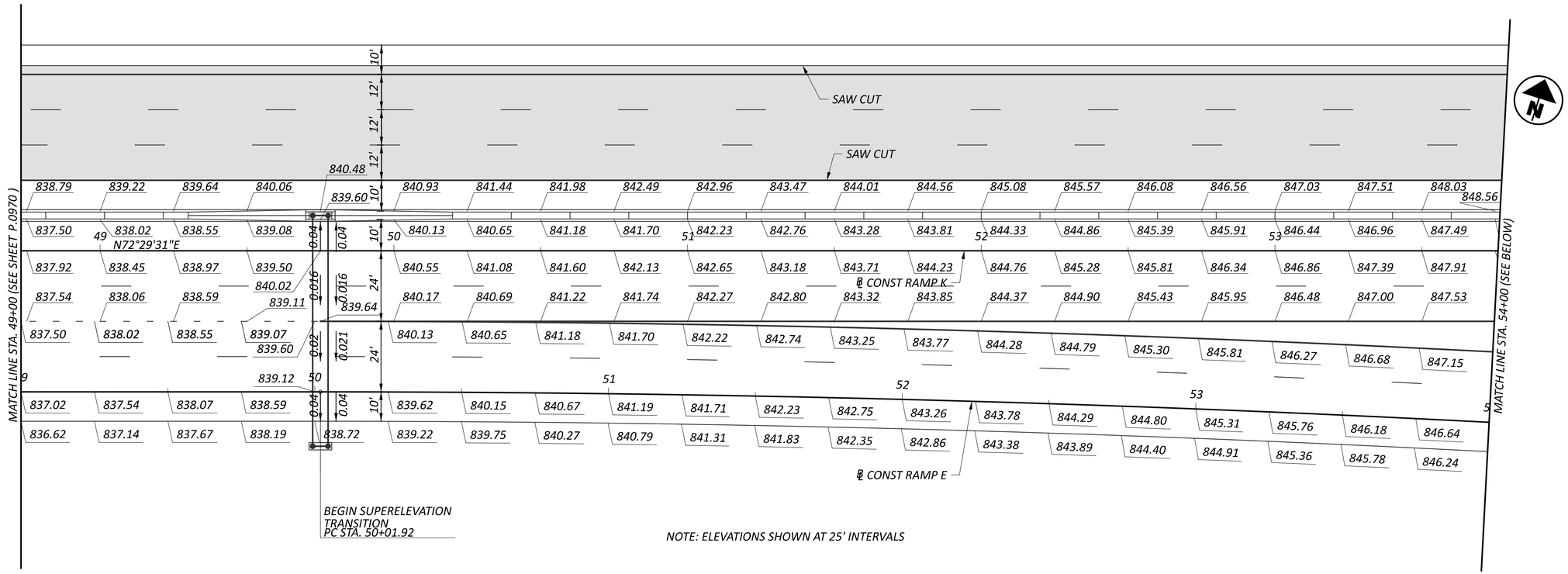
RAMP TERMINAL DETAILS - RAMPS E & K
STA. 39+00.00 TO STA. 49+00.00

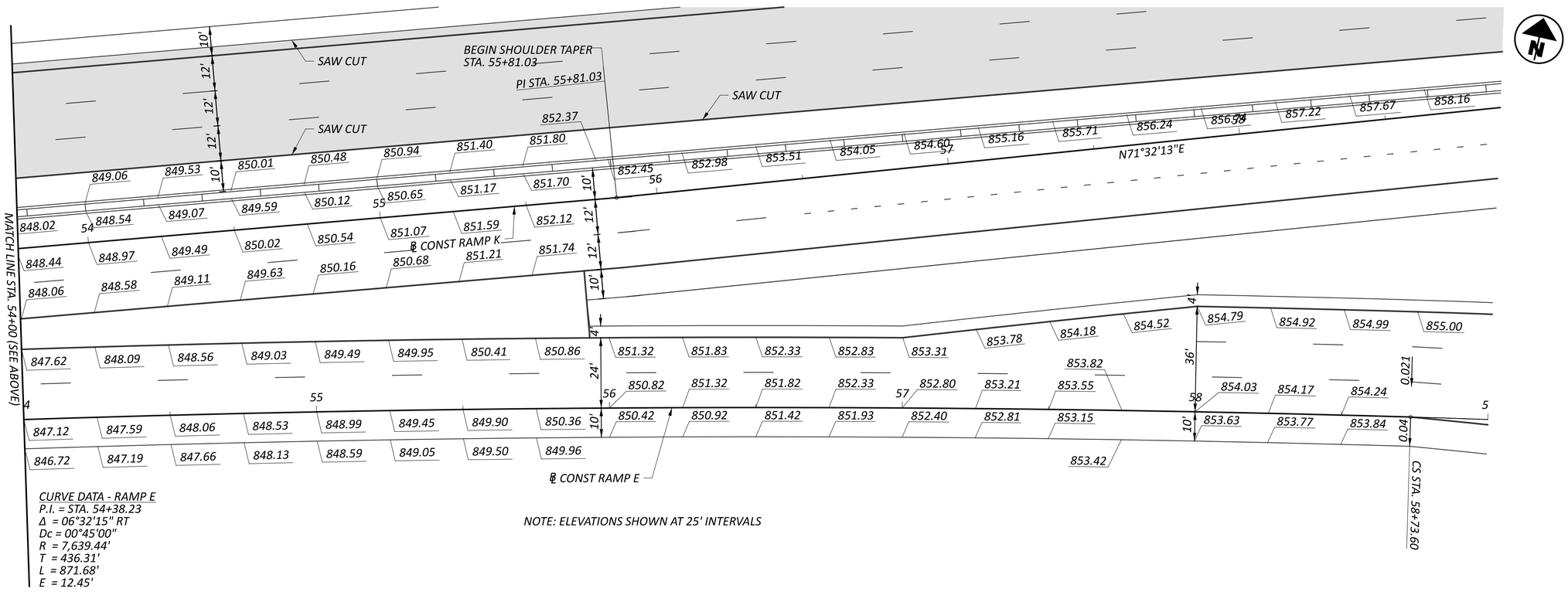
FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070E - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:07:24 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\e01-Engineering_StructurePoint\Roadway\Sheets\96808_GI252.dgn

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0970
TOTAL	P.1556





HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMPS E & K
STA. 49+00.00 TO STA. 59+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

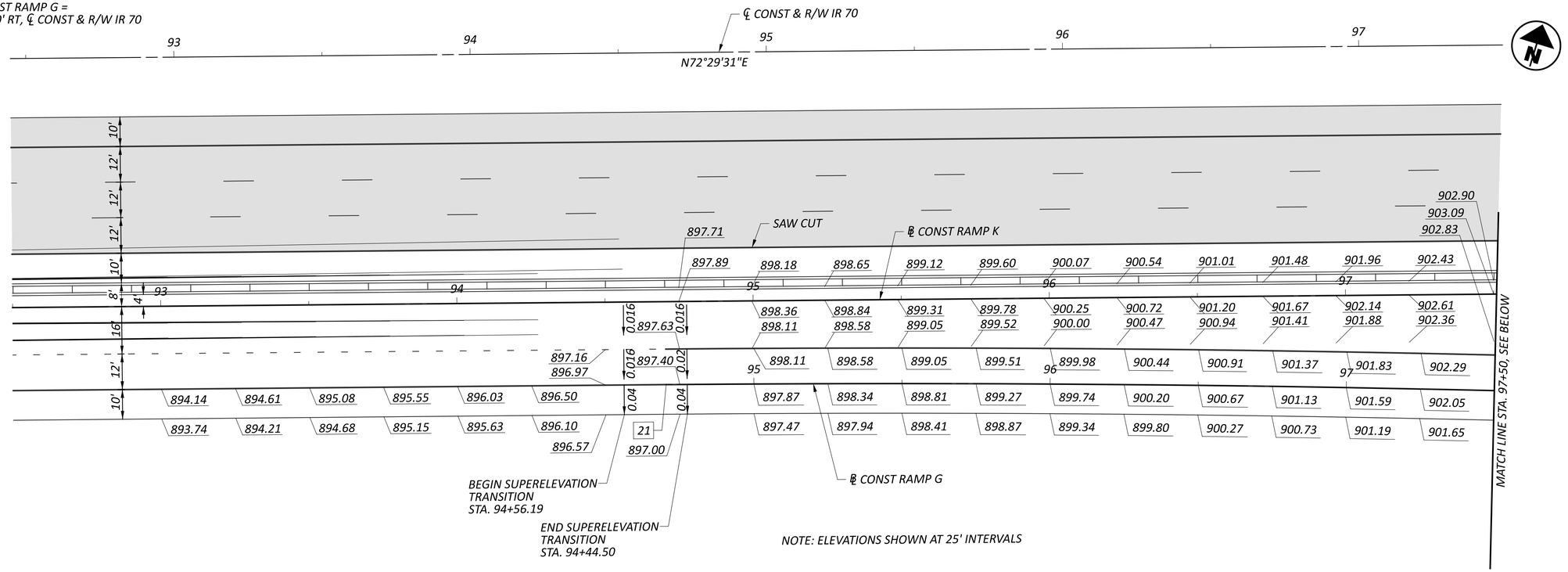
PROJECT ID
96808

SHEET P.0971 TOTAL P.1556

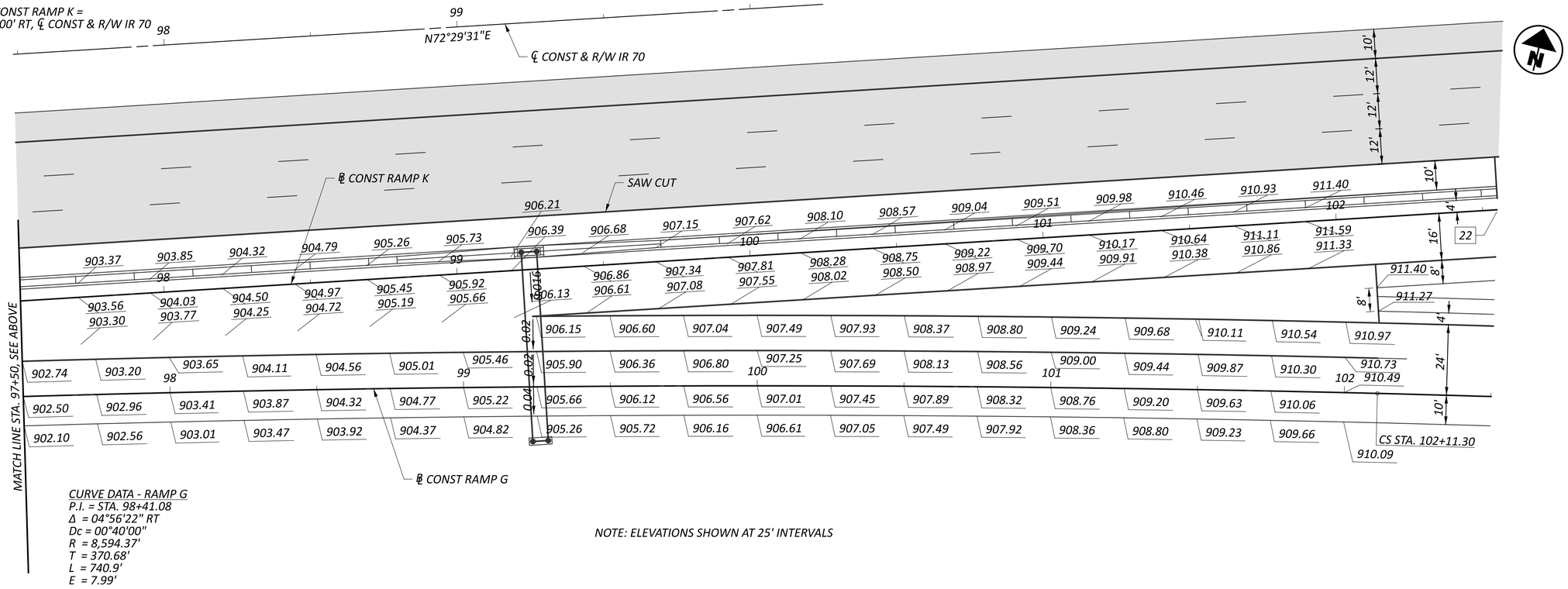
FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070E - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:07:35 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GI253.dgn

21 STA. 94+70.40, ℄ CONST RAMP G =
STA. 94+65.20, 112.00' RT, ℄ CONST & R/W IR 70



22 STA. 102+55.20, ℄ CONST RAMP K =
STA. 102+50.00, 84.00' RT, ℄ CONST & R/W IR 70



CURVE DATA - RAMP G
P.I. = STA. 98+41.08
Δ = 04°56'22" RT
Dc = 00°40'00"
R = 8,594.37'
T = 370.68'
L = 740.9'
E = 7.99'

NOTE: ELEVATIONS SHOWN AT 25' INTERVALS

HORIZONTAL SCALE IN FEET
0 10 20 40

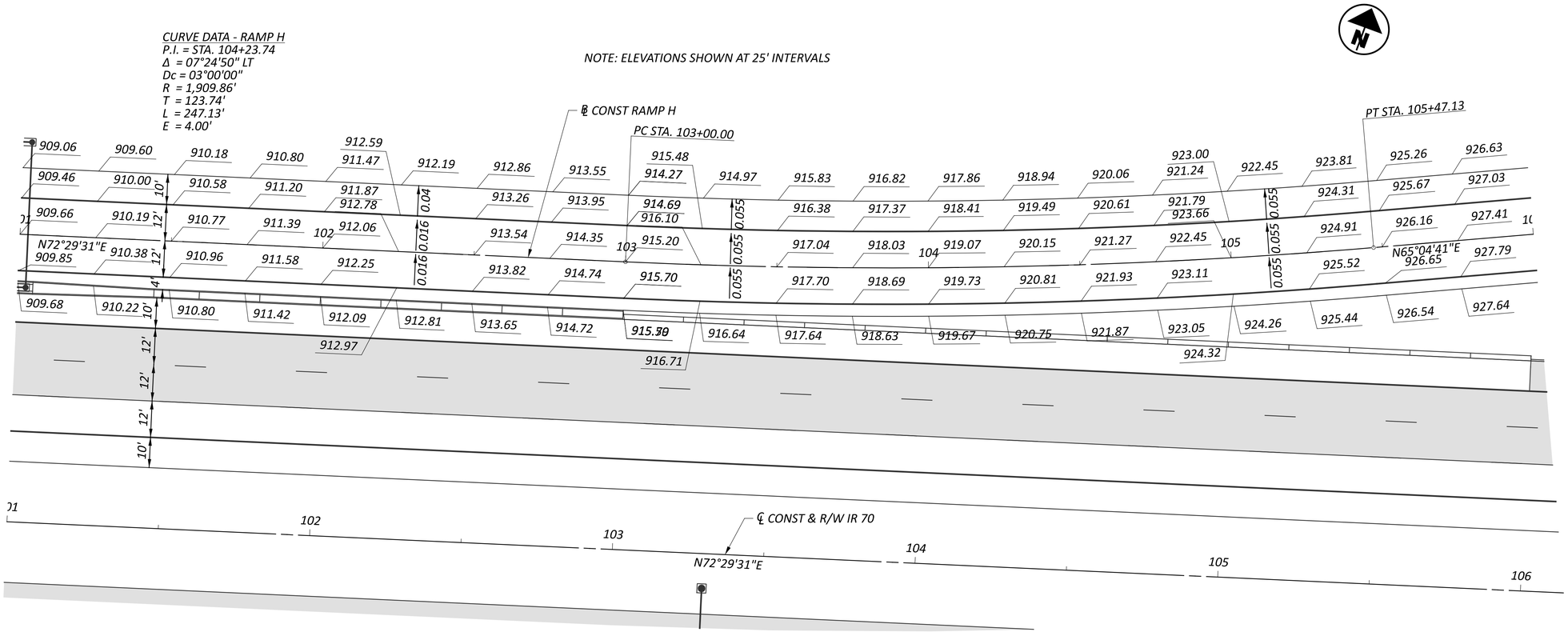
RAMP TERMINAL DETAILS - RAMP G
STA. 92+50.00 TO STA. 102+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0972
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_RD70G - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:07:54 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GI261.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

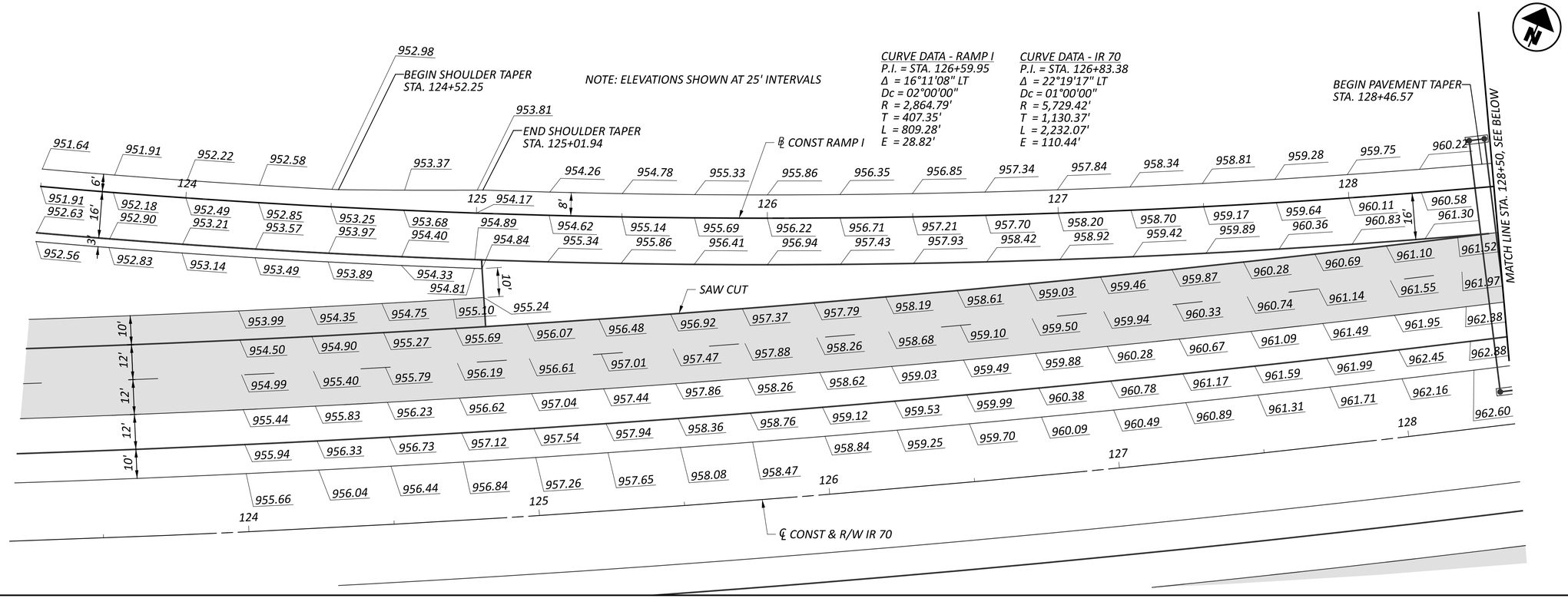
RAMP TERMINAL DETAILS - RAMP H
STA. 101+00.00 TO STA. 106+00.00

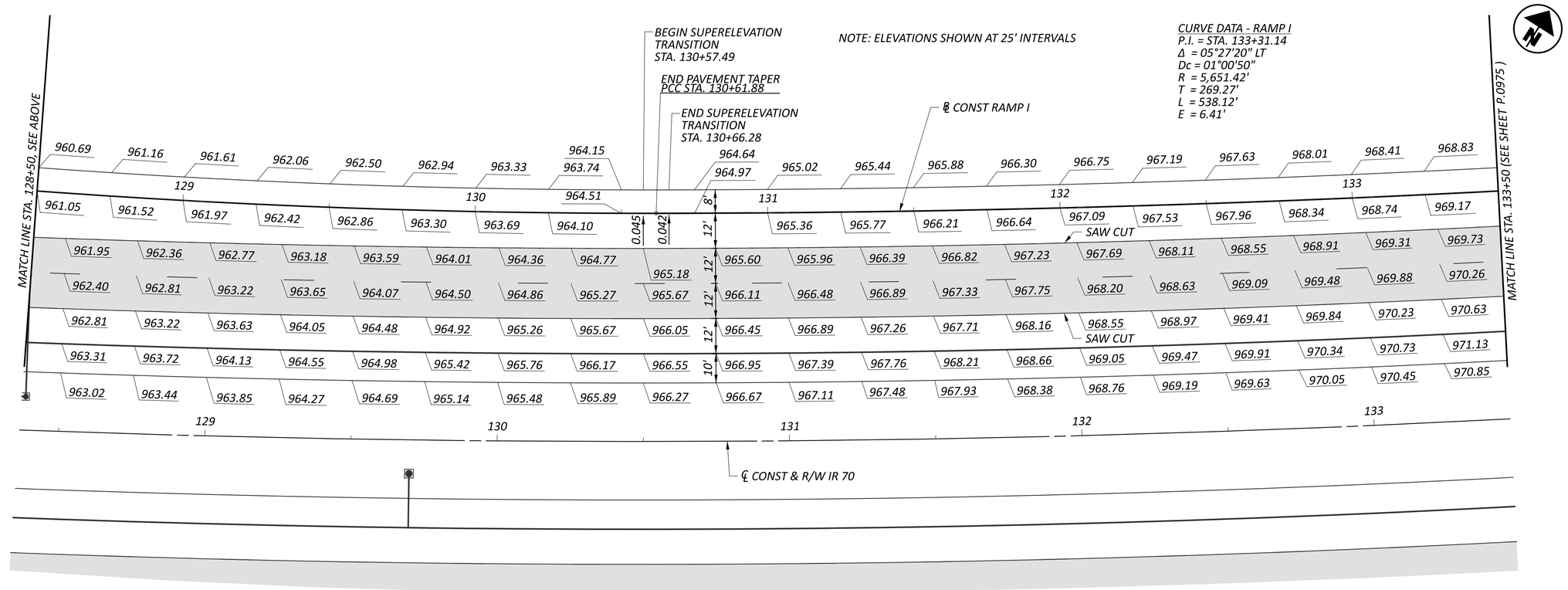
DESIGN AGENCY
WEMPEN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0973
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:08:13 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GI271.dgn





HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMP I
STA. 123+50.00 TO STA. 133+50.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:08:45 PM USER: brieder
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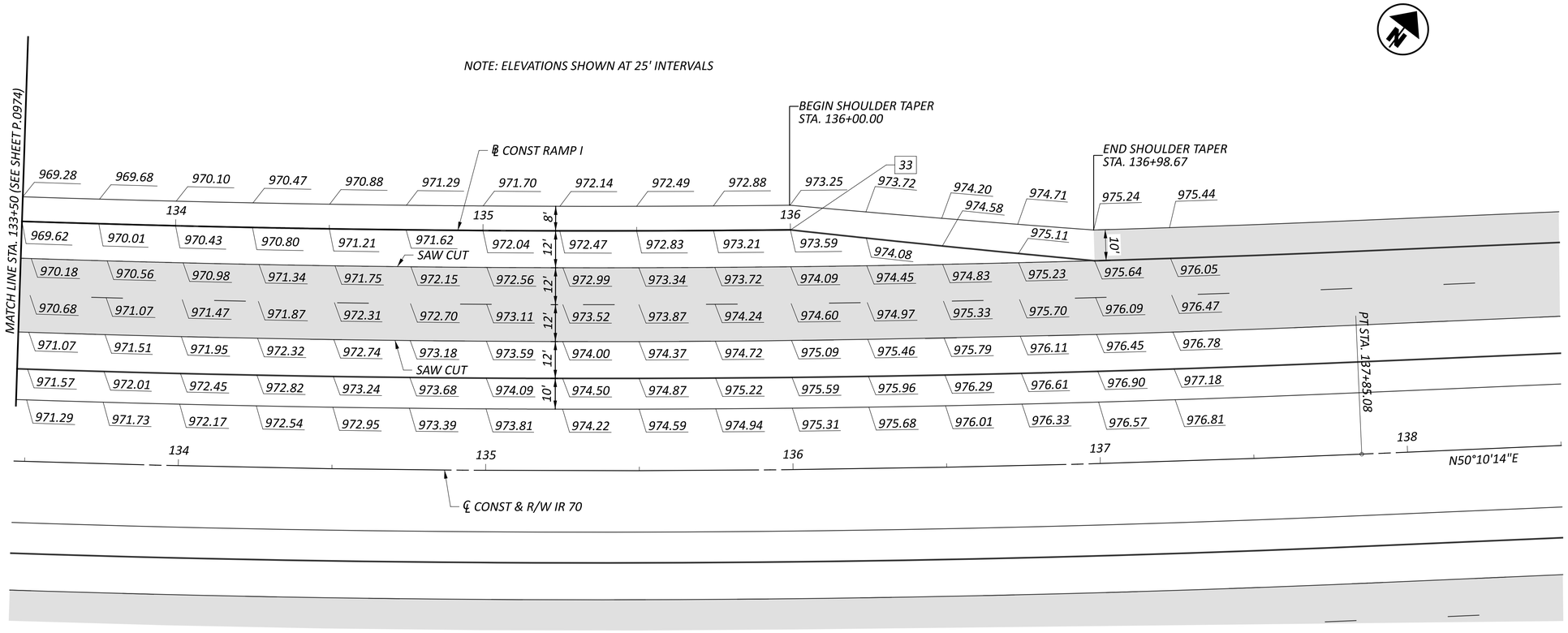
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0974
TOTAL	P.1556

33 STA. 136+00.00, ℄ CONST RAMP I =
STA. 136+00.00, 78.00' LT, ℄ CONST & R/W IR 70



HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMP I
STA. 133+50.00 TO STA. 138+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

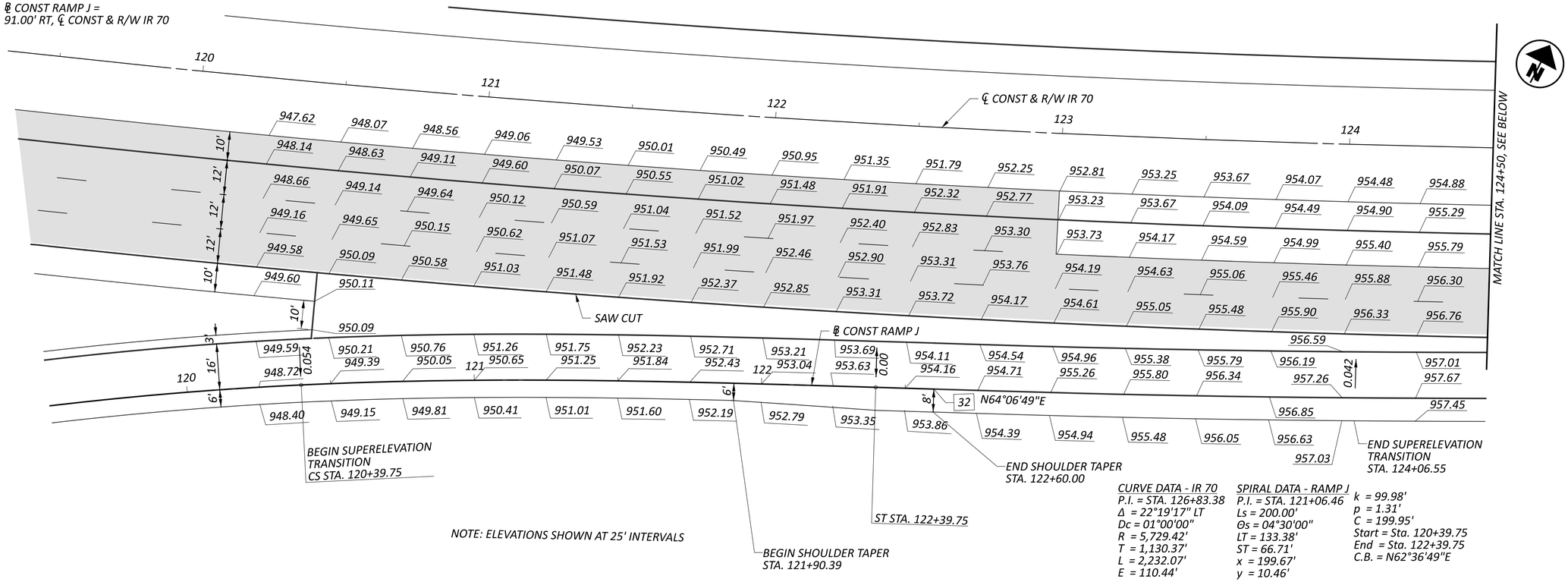
PROJECT ID
96808

SHEET P.0975 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:08:57 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GI282.dgn

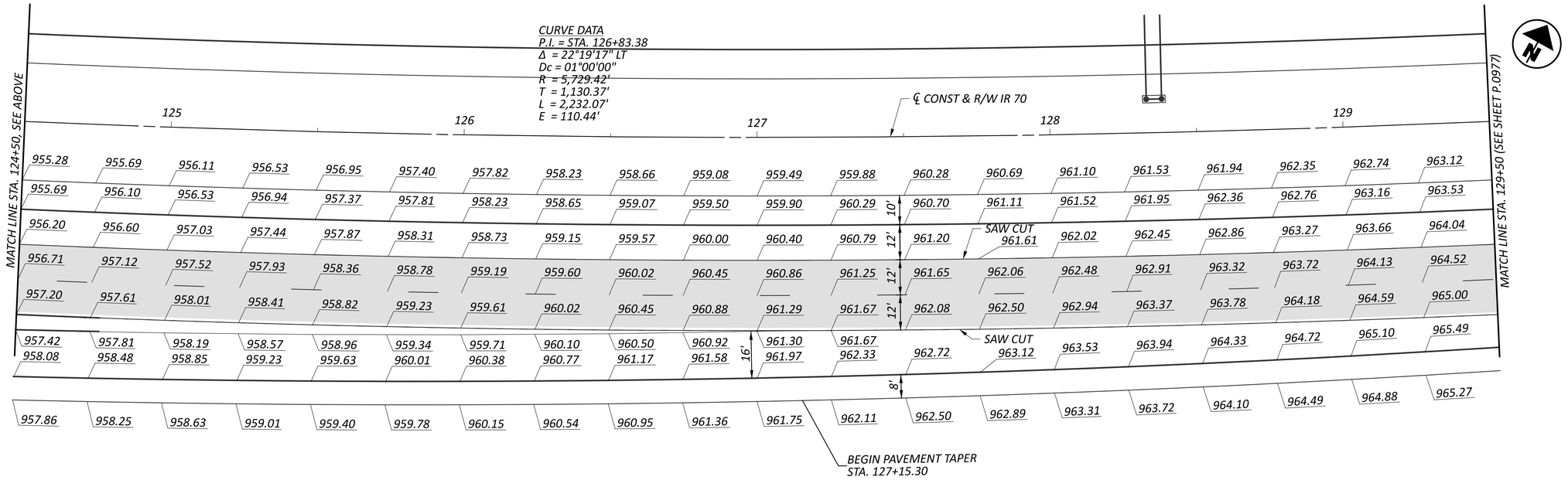
32 STA. 122+60.00, ℄ CONST RAMP J =
STA. 122+60.00, 91.00' RT, ℄ CONST & R/W IR 70



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS

CURVE DATA - IR 70
P.I. = STA. 126+83.38
Δ = 22°19'17" LT
Dc = 01°00'00"
R = 5,729.42'
T = 1,130.37'
L = 2,232.07'
E = 110.44'

SPIRAL DATA - RAMP J
P.I. = STA. 121+06.46
Ls = 200.00'
Θs = 04°30'00"
LT = 133.38'
ST = 66.71'
x = 199.67'
y = 10.46'
k = 99.98'
p = 1.31'
C = 199.95'
Start = Sta. 120+39.75
End = Sta. 122+39.75
C.B. = N62°36'49"E



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS
FROM ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 10 20 40

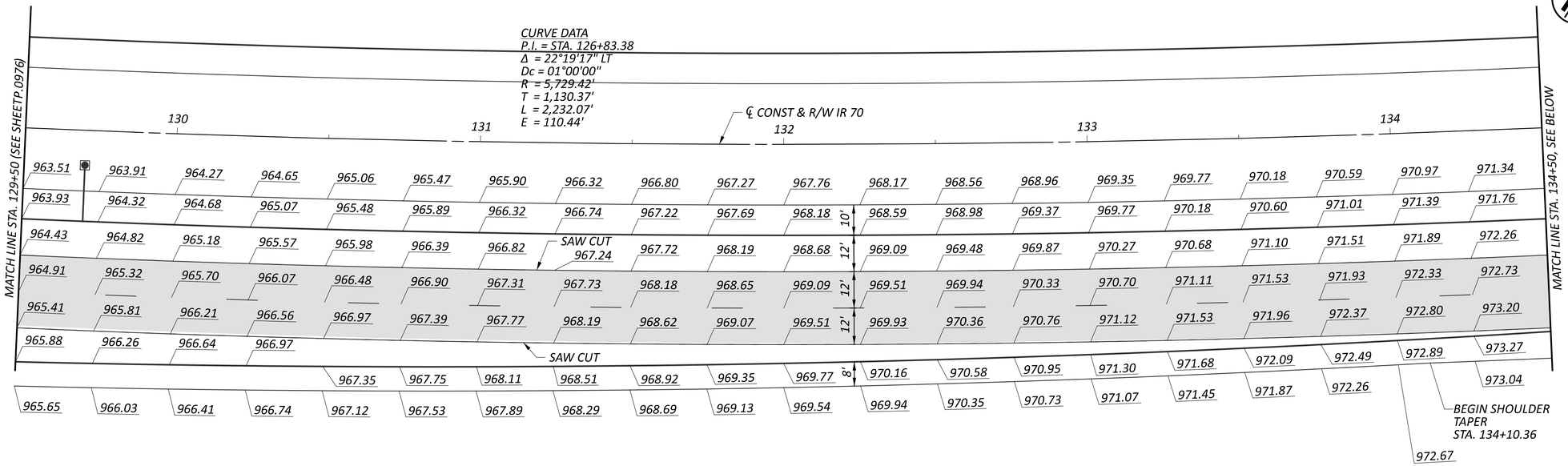
RAMP TERMINAL DETAILS - RAMP J
STA. 119+50.00 TO STA. 129+50.00

DESIGN AGENCY
WILBUR SMITH STRUCTUREPOINT INC.

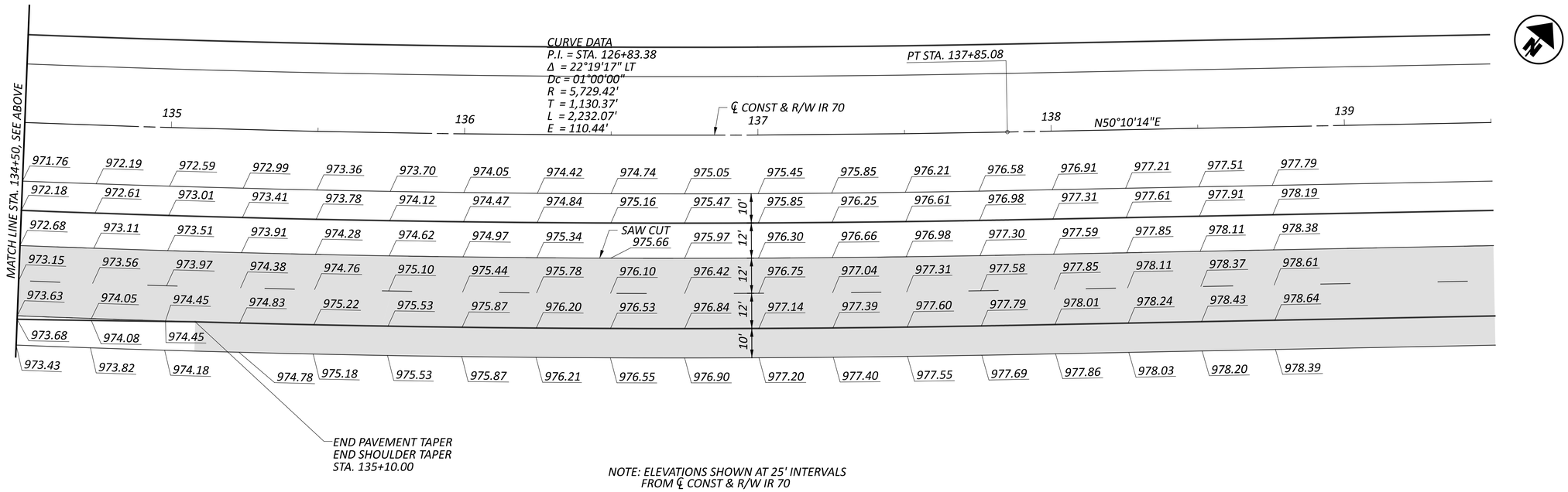
DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0976 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R07(J - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:09:27 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\d01-Engineering_StructurePoint\Roadway\Sheets\96808_GI291.dgn



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS FROM ℄ CONST & R/W IR 70



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS FROM ℄ CONST & R/W IR 70

HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - RAMP J
STA. 129+50.00 TO STA. 139+50.00

DESIGN AGENCY
WILBUR SMITH STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0977
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070J - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:09:39 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\e01-Engineering_StructurePoint\Roadway\Sheets\96808_GI292.dgn

11 STA. 66+93.83, ℄ CONST RAMP E =
STA. 16+66.26, 45.93' LT, ℄ CONST & R/W SR 256

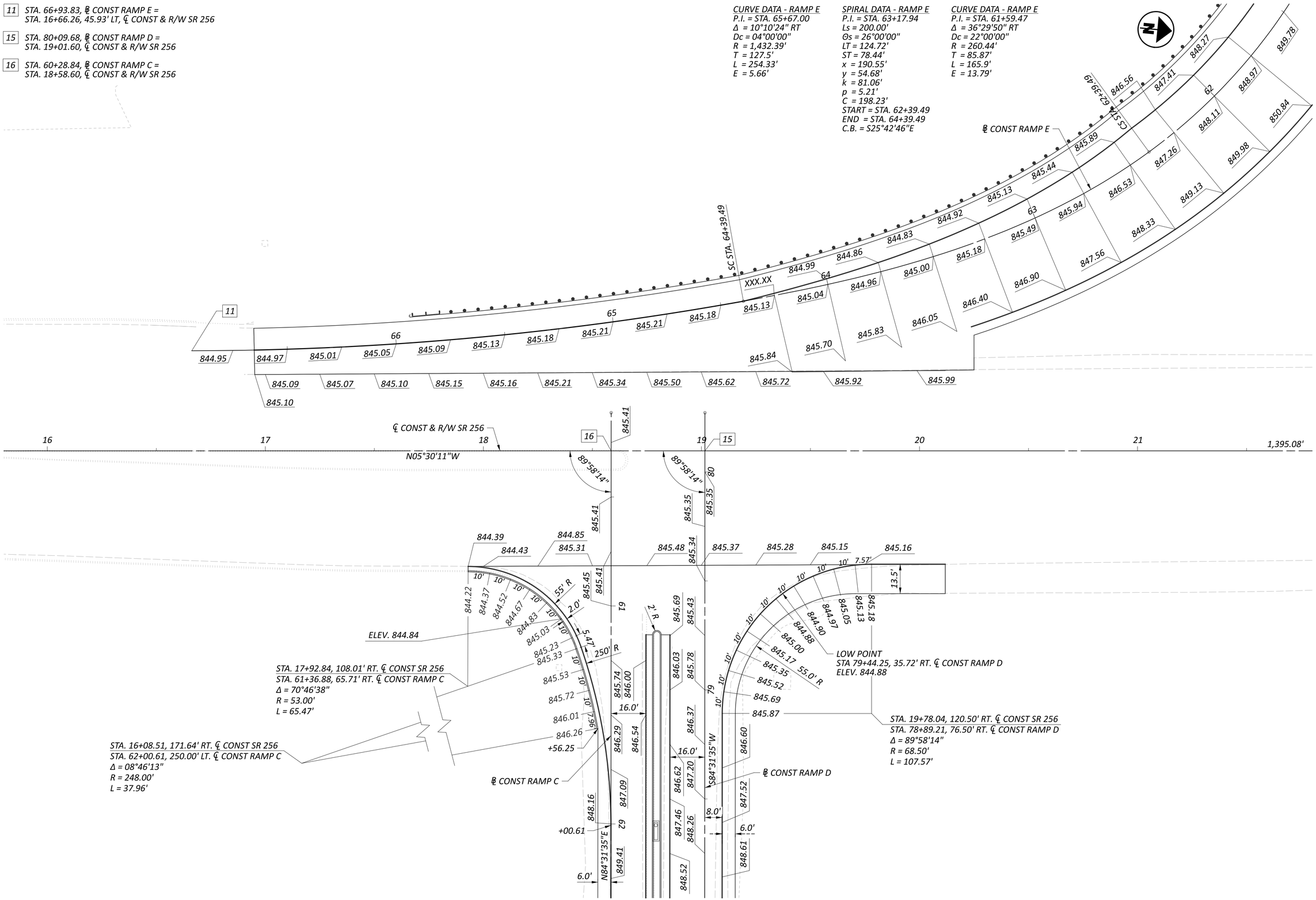
15 STA. 80+09.68, ℄ CONST RAMP D =
STA. 19+01.60, ℄ CONST & R/W SR 256

16 STA. 60+28.84, ℄ CONST RAMP C =
STA. 18+58.60, ℄ CONST & R/W SR 256

CURVE DATA - RAMP E
P.I. = STA. 65+67.00
Δ = 10°10'24" RT
Dc = 04°00'00"
R = 1,432.39'
T = 127.5'
L = 254.33'
E = 5.66'

SPIRAL DATA - RAMP E
P.I. = STA. 63+17.94
Ls = 200.00'
Θs = 26°00'00"
LT = 124.72'
ST = 78.44'
x = 190.55'
y = 54.68'
k = 81.06'
p = 5.21'
C = 198.23'
START = STA. 62+39.49
END = STA. 64+39.49
C.B. = S25°42'46"E

CURVE DATA - RAMP E
P.I. = STA. 61+59.47
Δ = 36°29'50" RT
Dc = 22°00'00"
R = 260.44'
T = 85.87'
L = 165.9'
E = 13.79'



HORIZONTAL SCALE IN FEET
0 10 20 40

INTERSECTION DETAILS
SR 256, RAMP C, RAMP D, & RAMP E

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0978 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:10:41 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Roadway\Sheets\96808_GI010.dgn

09 STA. 64+80.85, ℄ CONST RAMP A =
STA. 28+33.41, ℄ CONST & R/W SR 256

10 STA. 64+09.09, ℄ CONST RAMP B =
STA. 28+25.00, ℄ CONST & R/W SR 256

CURVE DATA - RAMP A
P.I. = STA. 62+96.52
Δ = 32°49'39" RT
Dc = 13°00'00"
R = 440.74'
T = 129.83'
L = 252.52'
E = 18.72'

CURVE DATA - SR 256
P.I. = STA. 33+41.57
Δ = 13°54'00" LT
Dc = 01°28'00"
R = 3,906.53'
T = 476.20'
L = 947.73'
E = 28.92'

HORIZONTAL SCALE IN FEET
0 10 20 40

℄ CONST RAMP A

STA. 28+92.37, 124.00' LT. ℄ CONST SR 256
STA. 63+53.76, 85.72' LT. ℄ CONST RAMP A
Δ = 73°39'58"
R = 70.00'
L = 90.00'

STA. 26+94.40, 76.20' LT. ℄ CONST SR 256
STA. 63+67.33, 121.50' RT. ℄ CONST RAMP B
Δ = 28°38'52"
R = 104.00'
L = 52.00'

STA. 27+80.92, 57.96' LT. ℄ CONST SR 256
STA. 64+20.52, 42.45' RT. ℄ CONST RAMP B
Δ = 77°31'20"
R = 15.72'
L = 21.33'

℄ CONST & R/W SR 256

PT STA. 64+19.21

PC STA. 28+65.36

N74°31'05"E

80°01'17"

N05°30'11"W

87°00'00"

N87°29'49"E

STA. 27+94.28, 51.80' RT. ℄ CONST SR 256
STA. 64+62.43, 27.97' RT. ℄ CONST RAMP B
Δ = 88°21'46"
R = 10.00'
L = 15.42'

STA. 28+73.12, 109.47' RT. ℄ CONST SR 256
STA. 65+15.87, 54.00' LT. ℄ CONST RAMP B
Δ = 61°35'35"
R = 46.00'
L = 49.45'

LOW POINT
STA 64+80.34, 24.78' RT. ℄ CONST RAMP B
ELEV. 855.24

℄ CONST RAMP B

STA. 29+28.92, 235.05' RT. ℄ CONST SR 256
STA. 66+37.64, 119.86' LT. ℄ CONST RAMP B
Δ = 35°11'38"
R = 184.44'
L = 113.29'

IR 70 WB

INTERSECTION DETAILS SR 256, RAMP A, & RAMP B

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0979 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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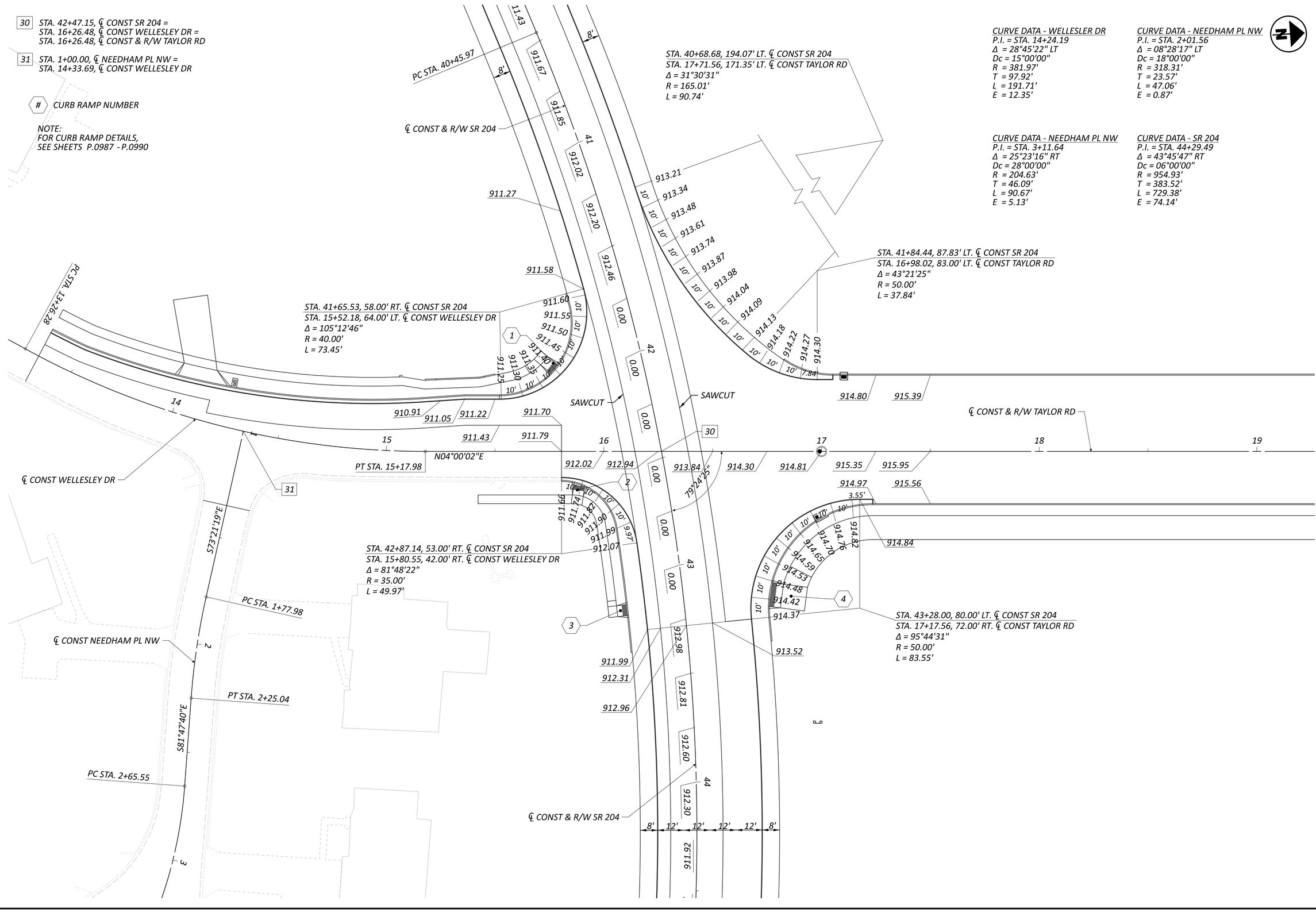
30 STA. 42+47.15, ℄ CONST SR 204 =
STA. 16+26.48, ℄ CONST WELLESLEY DR =
STA. 16+26.48, ℄ CONST & R/W TAYLOR RD

31 STA. 1+00.00, ℄ NEEDHAM PL NW =
STA. 14+33.69, ℄ CONST WELLESLEY DR

CURB RAMP NUMBER

NOTE:
FOR CURB RAMP DETAILS,
SEE SHEETS P.0987 - P.0990



CURVE DATA - WELLESLER DR
P.I. = STA. 14+24.19
Δ = 28°45'22" LT
Dc = 15°00'00"
R = 381.97'
T = 97.92'
L = 191.71'
E = 12.35'

CURVE DATA - NEEDHAM PL NW
P.I. = STA. 2+01.56
Δ = 08°28'17" LT
Dc = 18°00'00"
R = 318.31'
T = 23.57'
L = 47.06'
E = 0.87'

CURVE DATA - NEEDHAM PL NW
P.I. = STA. 3+11.64
Δ = 25°23'16" RT
Dc = 28°00'00"
R = 204.63'
T = 46.09'
L = 90.67'
E = 5.13'

CURVE DATA - SR 204
P.I. = STA. 44+29.49
Δ = 43°45'47" RT
Dc = 06°00'00"
R = 954.93'
T = 383.52'
L = 729.38'
E = 74.14'

HORIZONTAL SCALE IN FEET
0 10 20 40

INTERSECTION DETAILS
TAYLOR RD, SR 204, & WELLESLEY DR

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0980 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:11:09 PM USER: brieder
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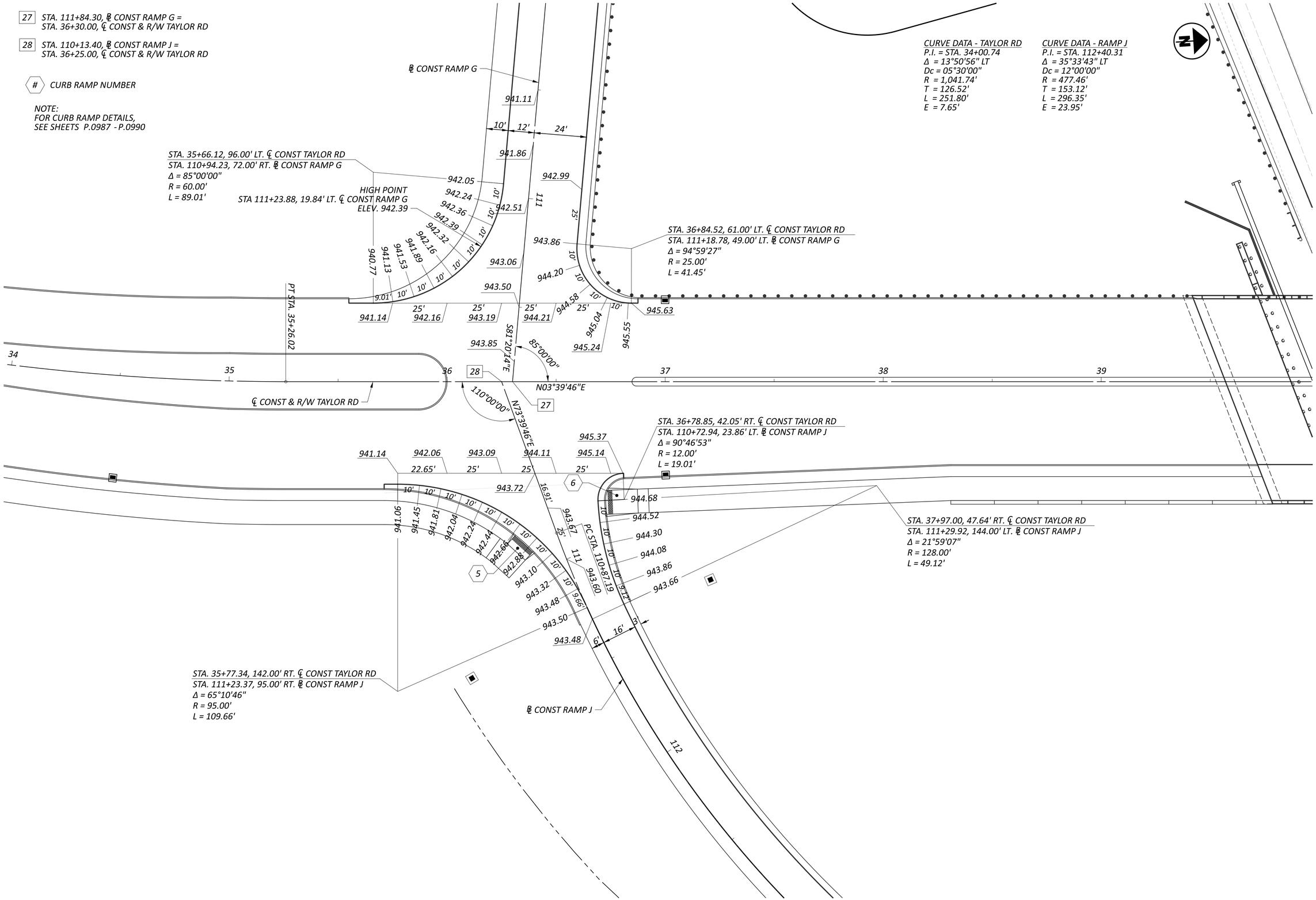
27 STA. 111+84.30, ℄ CONST RAMP G =
STA. 36+30.00, ℄ CONST & R/W TAYLOR RD

28 STA. 110+13.40, ℄ CONST RAMP J =
STA. 36+25.00, ℄ CONST & R/W TAYLOR RD

CURB RAMP NUMBER

NOTE:
FOR CURB RAMP DETAILS,
SEE SHEETS P.0987 - P.0990



INTERSECTION DETAILS
TAYLOR RD, RAMP G, & RAMP J

DESIGN AGENCY
WRIGHT-PATT STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0981
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:11:24 PM USER: brieder
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24 STA. 114+03.78, ℄ CONST RAMP I =
STA. 43+20.00, ℄ CONST & R/W TAYLOR RD

25 STA. 113+68.11, ℄ CONST RAMP H =
STA. 43+07.23, ℄ CONST & R/W TAYLOR RD

CURB RAMP NUMBER

NOTE:
FOR CURB RAMP DETAILS,
SEE SHEETS P.0987 - P.0990

<u>CURVE DATA - RAMP H</u>
P.I. = STA. 111+15.77
Δ = 08°35'05" RT
Dc = 03°00'00"
R = 1,909.86'
T = 143.35'
L = 286.15'
E = 5.37'

<u>CURVE DATA - TAYLOR RD</u>
P.I. = STA. 46+16.62
Δ = 11°18'09" LT
Dc = 05°30'00"
R = 1,041.74'
T = 103.08'
L = 205.50'
E = 5.09'

HORIZONTAL
SCALE IN FEET
0 10 20 40

INTERSECTION DETAILS TAYLOR RD, RAMP H, & RAMP I

℄ CONST RAMP H

STA. 43+81.14, 141.95' LT. ℄ CONST TAYLOR RD
STA. 112+60.00, 118.00' LT. ℄ CONST RAMP H
Δ = 68°21'06"
R = 106.00'
L = 126.45'

PT STA. 112+58.58

HIGH POINT
STA 112+98.99, 19.48' RT. ℄ CONST RAMP H
ELEV. 958.89

STA. 42+52.79, 56.00' LT.
℄ CONST TAYLOR RD
STA. 112+96.87, 32.00' LT.
℄ CONST RAMP H
Δ = 110°00'00"
R = 20.00'
L = 38.40'

113 N73°39'46"E

987.51'

N03°39'46"E

℄ CONST & R/W TAYLOR RD

PC STA. 45+13.53

STA. 42+90.06, 61.00' RT.
℄ CONST TAYLOR RD
STA. 114+50.86, 49.00' RT.
℄ CONST RAMP I
Δ = 70°00'00"
R = 25.00'
L = 30.54'

STA. 43+96.51, 90.33' RT. ℄ CONST TAYLOR RD
STA. 115+14.83, 41.00' LT. ℄ CONST RAMP I
Δ = 94°38'15"
R = 41.00'
L = 67.72'

HIGH POINT
STA 114+82.25, 16.19' RT. ℄ CONST RAMP I
ELEV. 957.40

℄ CONST RAMP I

STA. 45+17.25, 536.80' RT. ℄ CONST TAYLOR RD
STA. 119+76.31, 3.56' LT. ℄ CONST RAMP I
Δ = 13°40'07"
R = 530.00'
L = 126.44'

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0982
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:11:37 PM USER: brieder
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23 STA. 15+74.78, ℄ CONST TAYLOR RD SW =
STA. 51+00.00, ℄ CONST & R/W TAYLOR RD

CURB RAMP NUMBER

NOTE:
FOR CURB RAMP DETAILS,
SEE SHEETS P.0987 - P.0990

STA. 49+61.96, 214.00' LT. ℄ CONST TAYLOR RD
STA. 12+97.25, 106.73' RT. ℄ CONST TAYLOR RD SW
Δ = 22°51'22"
R = 198.00'
L = 78.99'

STA. 49+84.59, 109.33' LT. ℄ CONST TAYLOR RD
STA. 14+49.16, 118.00' RT. ℄ CONST TAYLOR RD SW
Δ = 44°12'17"
R = 98.00'
L = 75.61'

STA. 50+16.34, 84.99' LT. ℄ CONST TAYLOR RD
STA. 14+85.45, 88.00' RT. ℄ CONST TAYLOR RD SW
Δ = 29°40'13"
R = 58.00'
L = 30.04'

℄ CONST TAYLOR RD SW

CURVE DATA - TAYLOR RD
P.I. = STA. 51+36.59
Δ = 11°28'30" RT
Dc = 05°30'00"
R = 1,041.74'
T = 104.67'
L = 208.64'
E = 5.25'

CURVE DATA - TAYLOR RD SW
P.I. = STA. 13+90.69
Δ = 40°13'45" RT
Dc = 15°00'00"
R = 381.97'
T = 139.89'
L = 268.2'
E = 24.81'

STA. 52+84.94, 180.10' LT. ℄ CONST TAYLOR RD
STA. 14+50.35, 218.00' LT. ℄ CONST TAYLOR RD SW
Δ = 14°20'04"
R = 198.00'
L = 49.54'

STA. 52+04.83, 127.26' LT. ℄ CONST TAYLOR RD
STA. 14+69.14, 121.72' LT. ℄ CONST TAYLOR RD SW
Δ = 59°57'02"
R = 98.00'
L = 102.54'

PT STA. 15+19.00
N86°06'17"E
PC STA. 50+31.92
PT STA. 52+40.56
℄ CONST & R/W TAYLOR RD
N07°38'23"W
90°

HORIZONTAL SCALE IN FEET
0 10 20 40

INTERSECTION DETAILS
TAYLOR RD & TAYLOR RD SW

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0983
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:11:51 PM USER: brieder
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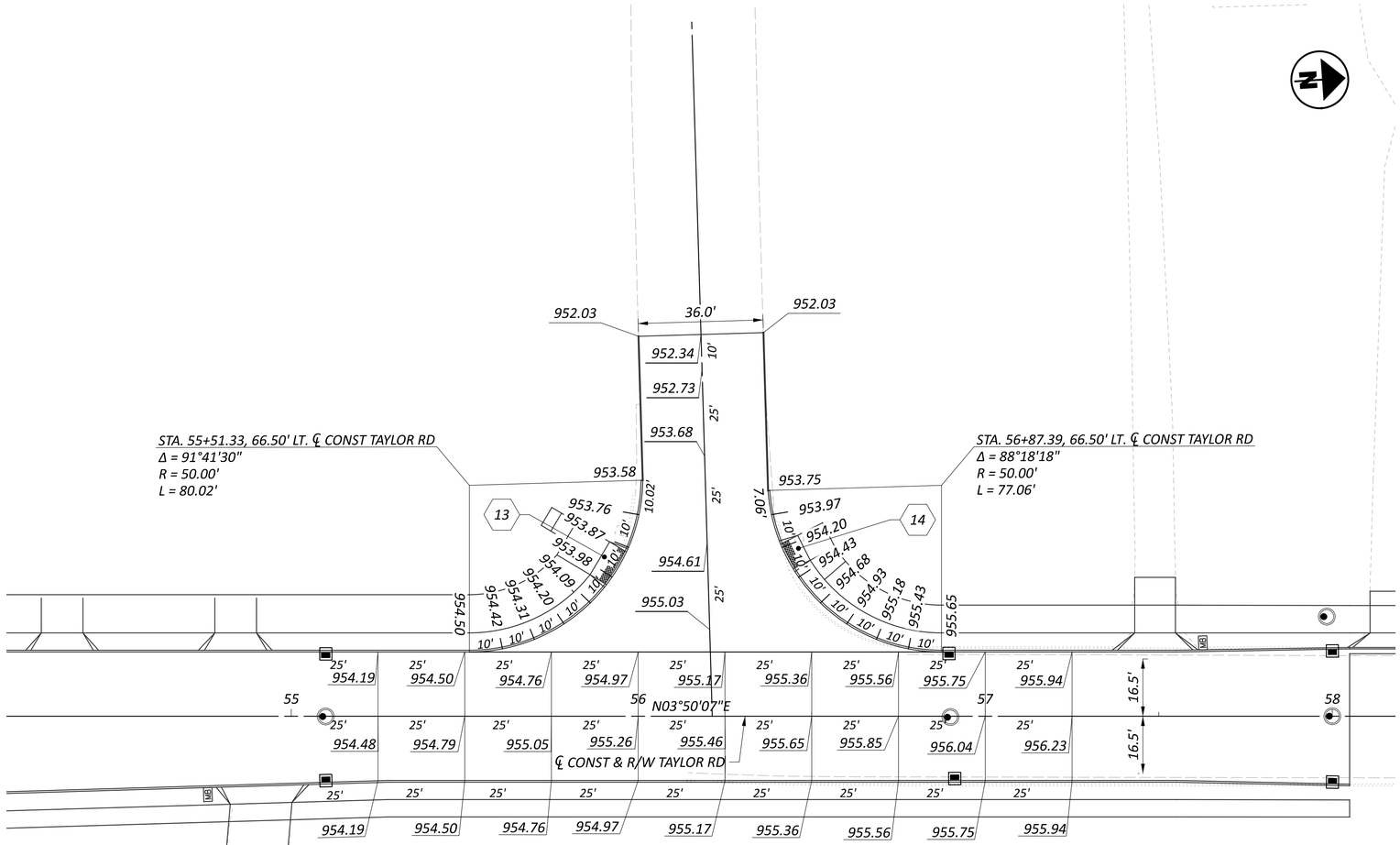
CURB RAMP NUMBER

NOTE:
FOR CURB RAMP DETAILS,
SEE SHEETS P.0987 - P.0990



FAI/LIC-IR 70-0.00/0.00

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HORIZONTAL
SCALE IN FEET
0 10 20 40

INTERSECTION DETAILS
TAYLOR RD & SCHOOL DRIVE

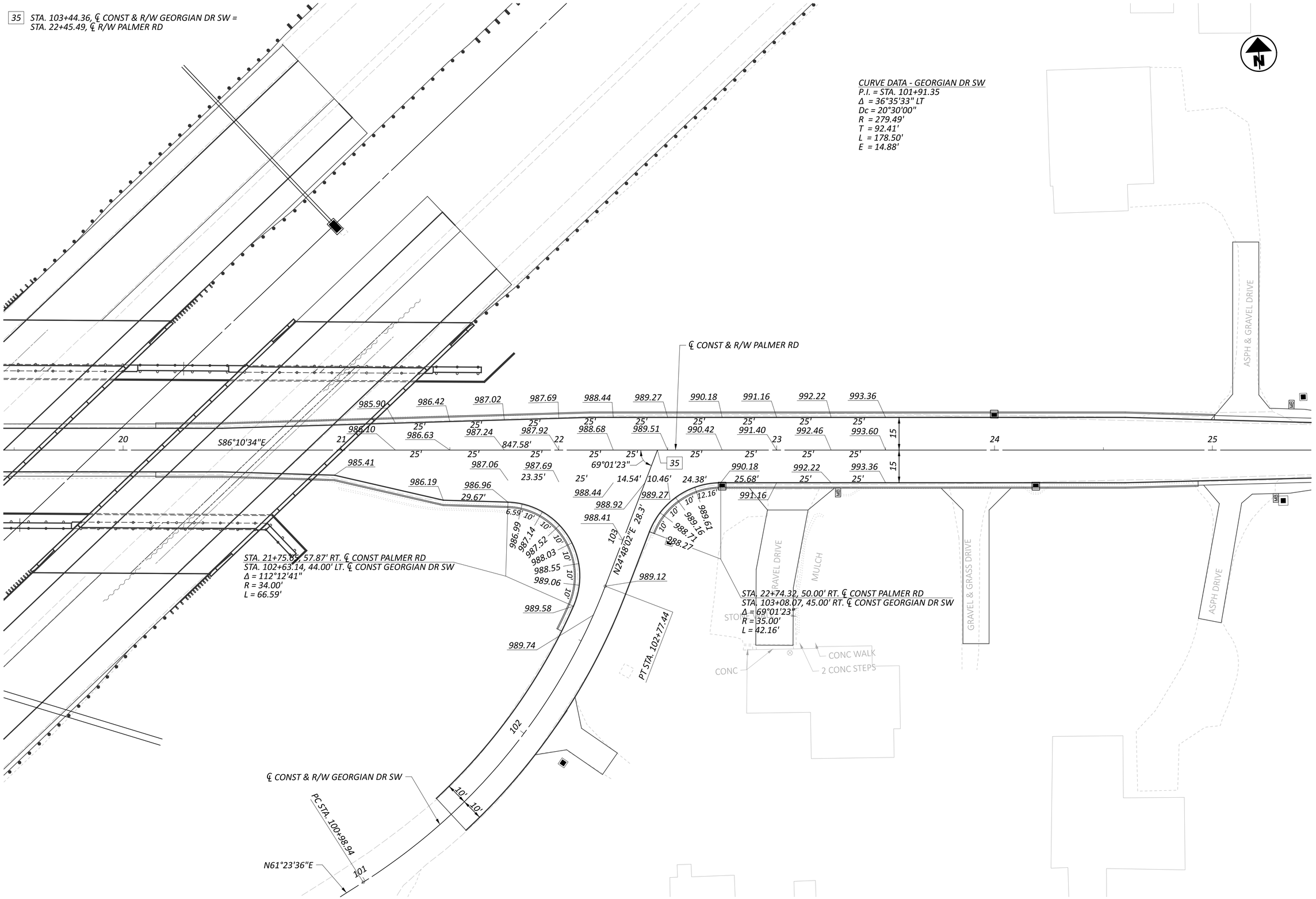
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0984 | TOTAL P.1556



HORIZONTAL SCALE IN FEET
0 10 20 40

INTERSECTION DETAILS
PALMER RD & GEORGIAN DR

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0985 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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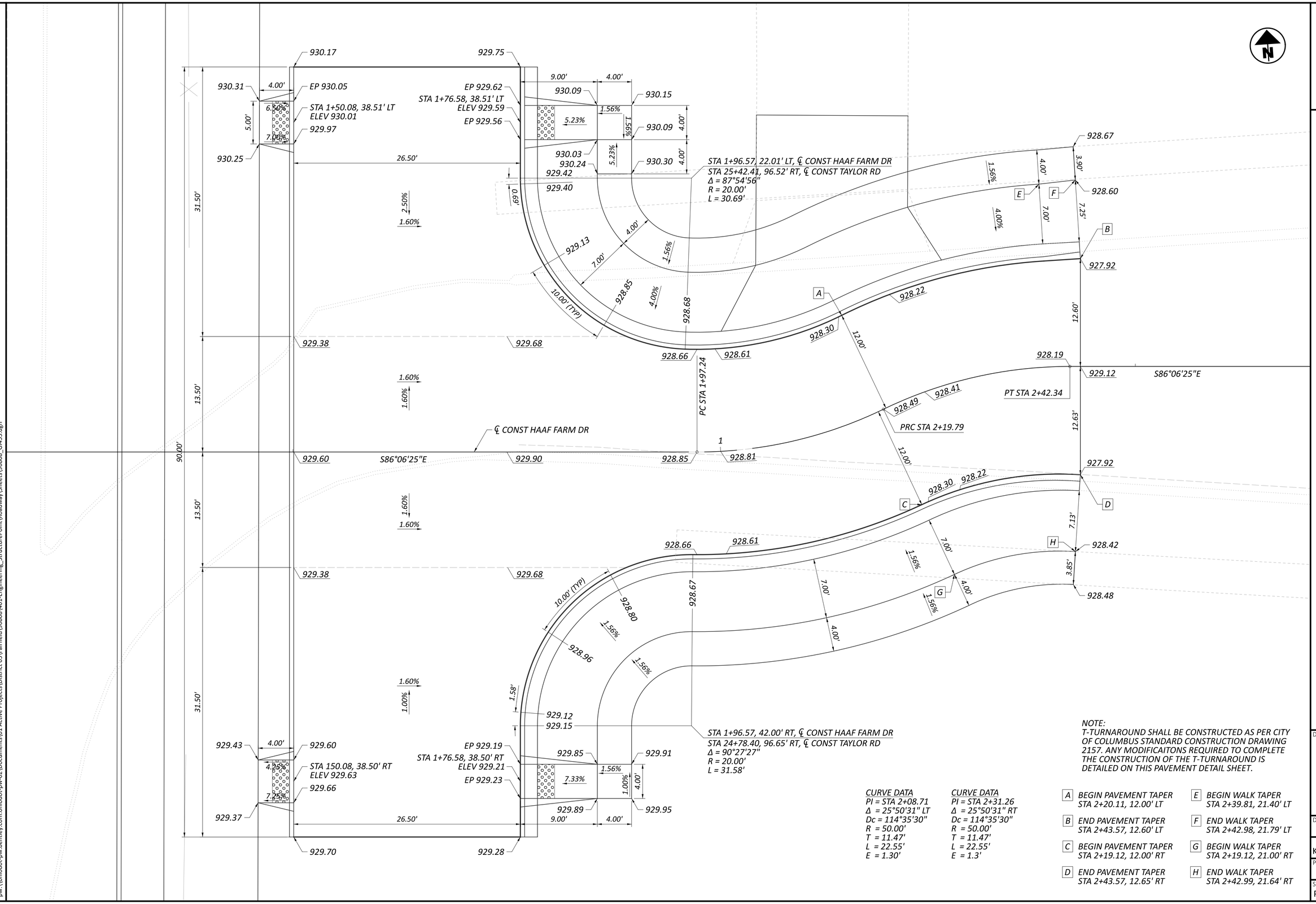

NOTE:
T-TURNAROUND SHALL BE CONSTRUCTED AS PER CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 2157. ANY MODIFICAITONS REQUIRED TO COMPLETE THE CONSTRUCTION OF THE T-TURNAROUND IS DETAILED ON THIS PAVEMENT DETAIL SHEET.

CURVE DATA
PI = STA 2+08.71
Δ = 25°50'31" LT
Dc = 114°35'30"
R = 50.00'
T = 11.47'
L = 22.55'
E = 1.30'

CURVE DATA
PI = STA 2+31.26
Δ = 25°50'31" RT
Dc = 114°35'30"
R = 50.00'
T = 11.47'
L = 22.55'
E = 1.3'

A BEGIN PAVEMENT TAPER
STA 2+20.11, 12.00' LT

B END PAVEMENT TAPER
STA 2+43.57, 12.60' LT

C BEGIN PAVEMENT TAPER
STA 2+19.12, 12.00' RT

D END PAVEMENT TAPER
STA 2+43.57, 12.65' RT

E BEGIN WALK TAPER
STA 2+39.81, 21.40' LT

F END WALK TAPER
STA 2+42.98, 21.79' LT

G BEGIN WALK TAPER
STA 2+19.12, 21.00' RT

H END WALK TAPER
STA 2+42.99, 21.64' RT

HORIZONTAL SCALE IN FEET
0 2.5 5 10

PAVEMENT DETAILS
HAAF FARMS DRIVE

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0986 TOTAL P.1556

FAI/LIC-IR 70-0.0A0/0.00

MODEL: GI453 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:12:29 PM USER: brieder
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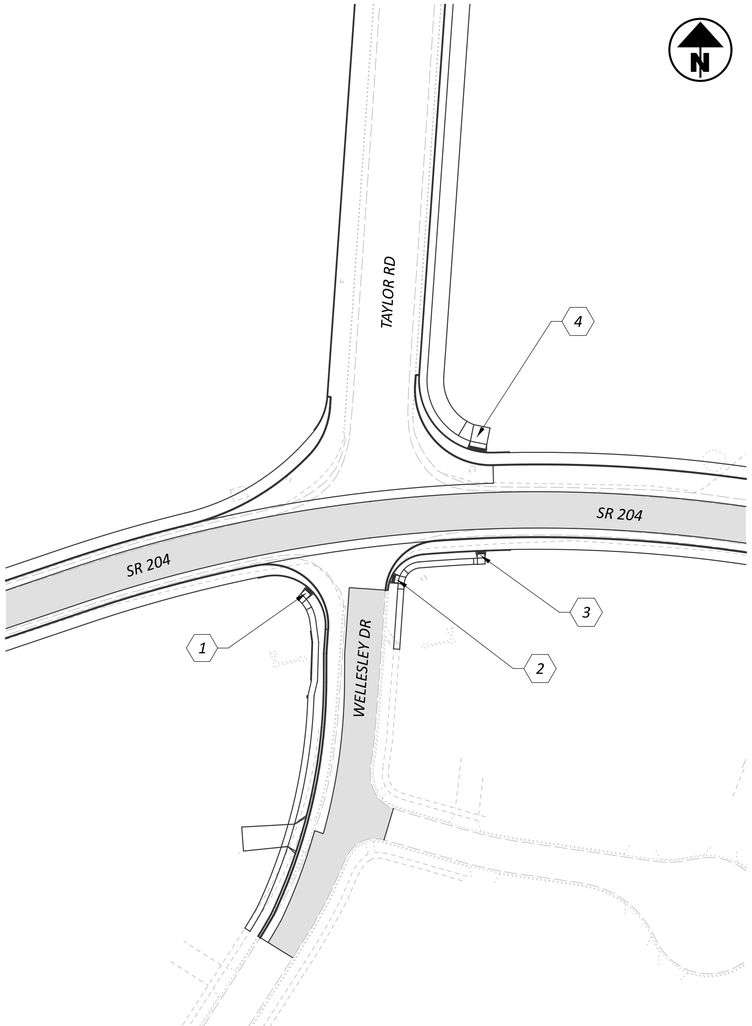
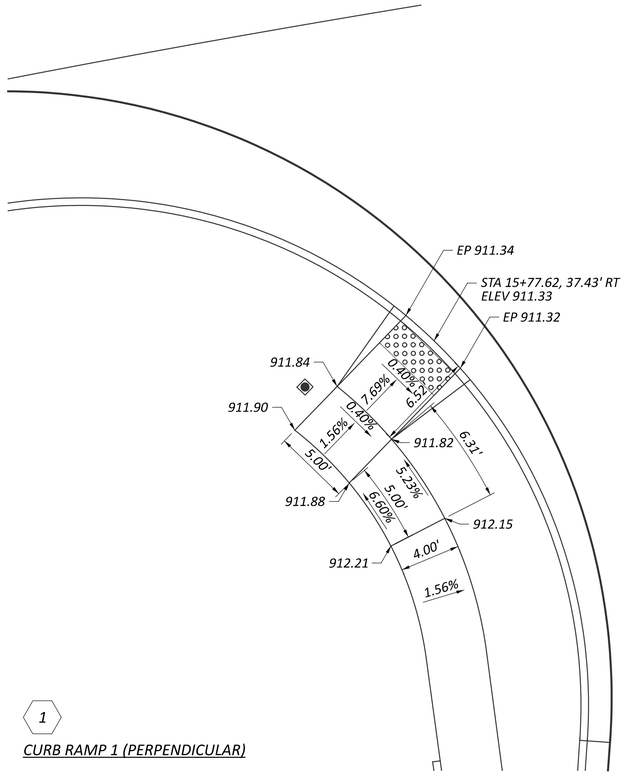
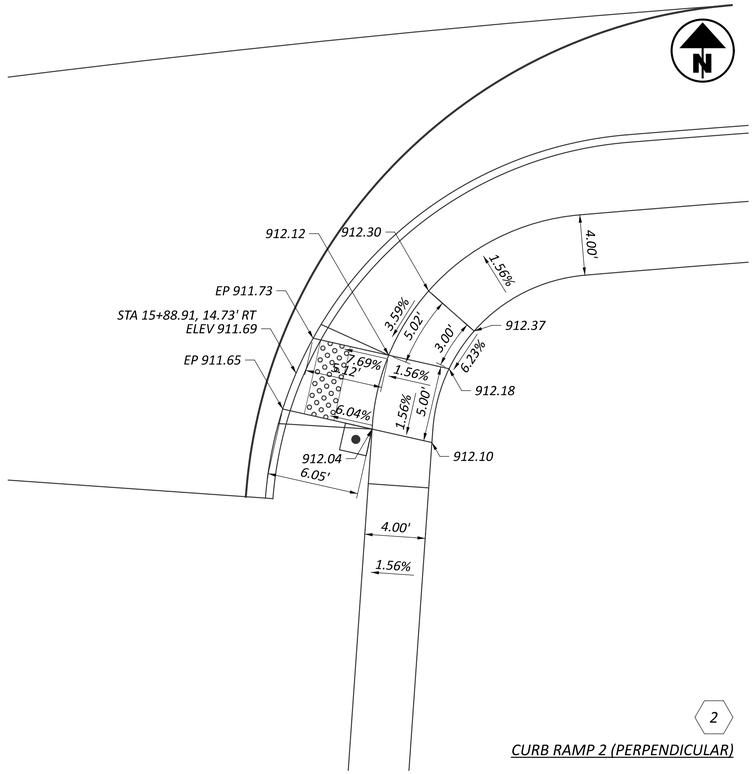


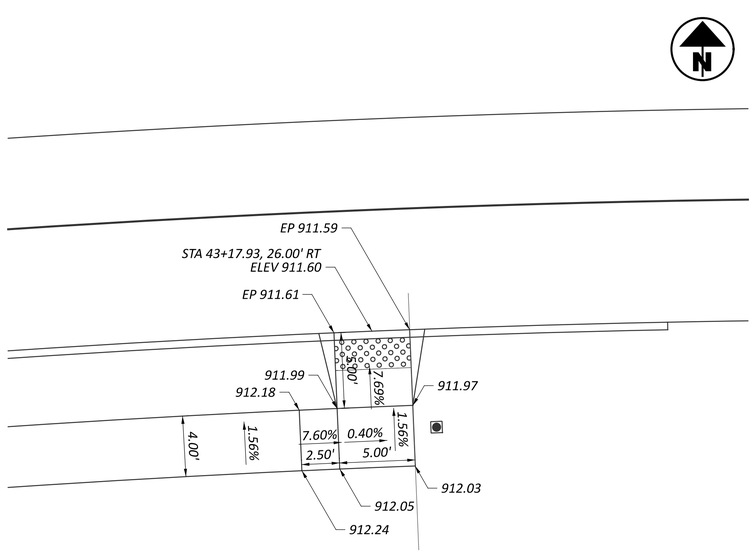
CURB RAMP KEY MAP
NOT TO SCALE



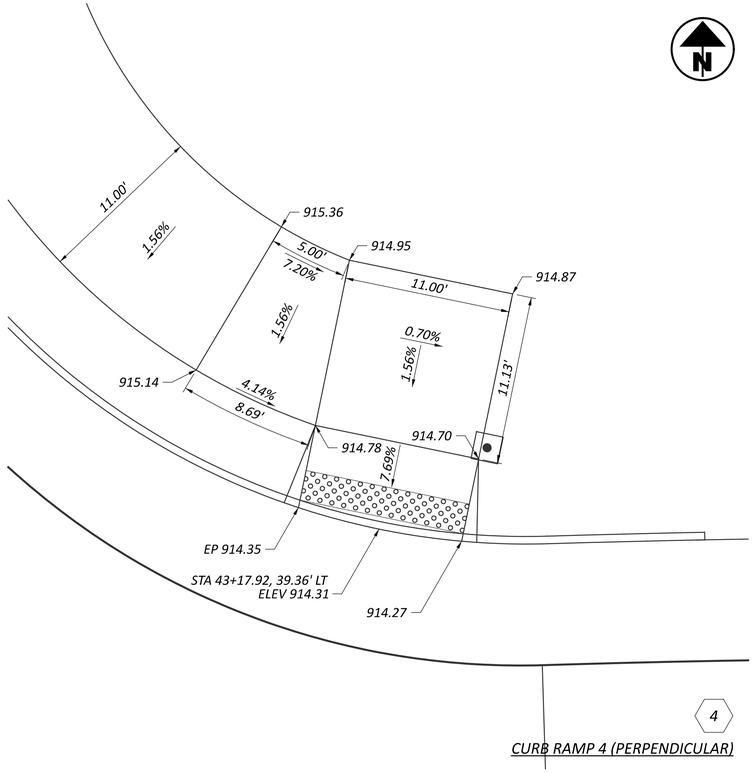
1
CURB RAMP 1 (PERPENDICULAR)



2
CURB RAMP 2 (PERPENDICULAR)



3
CURB RAMP 3 (PERPENDICULAR)



4
CURB RAMP 4 (PERPENDICULAR)

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

DESIGN AGENCY
MPEAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0987 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:13:58 PM USER: brieder
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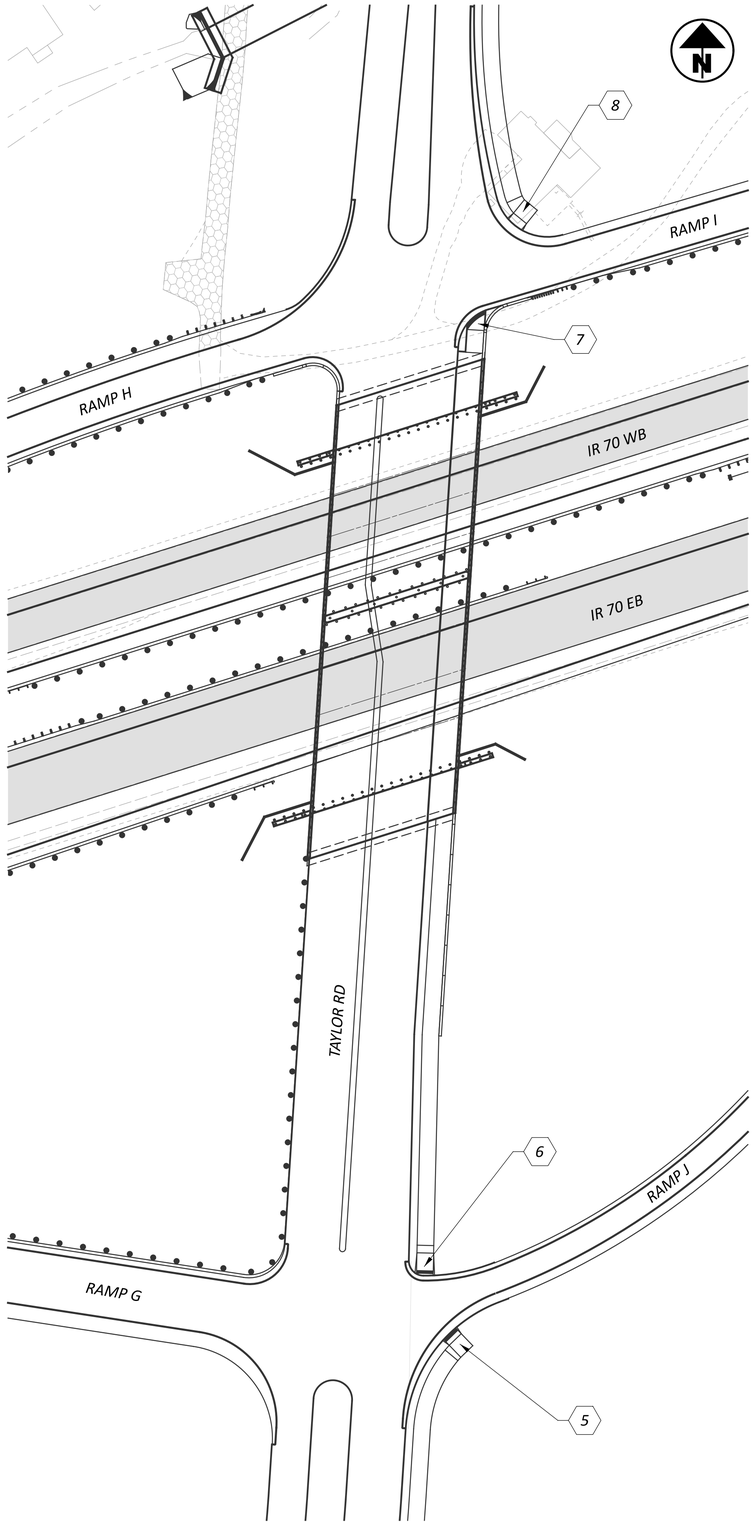
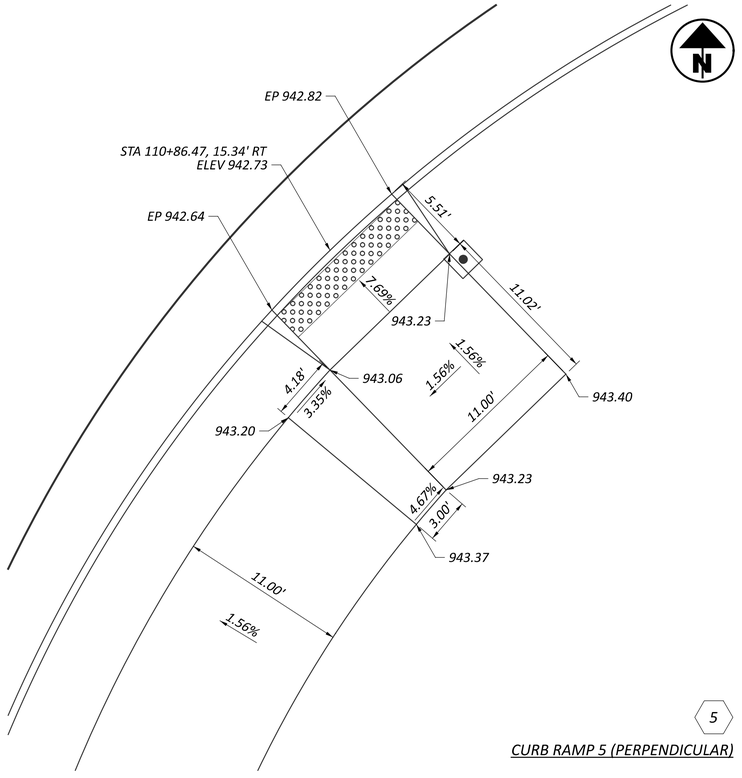
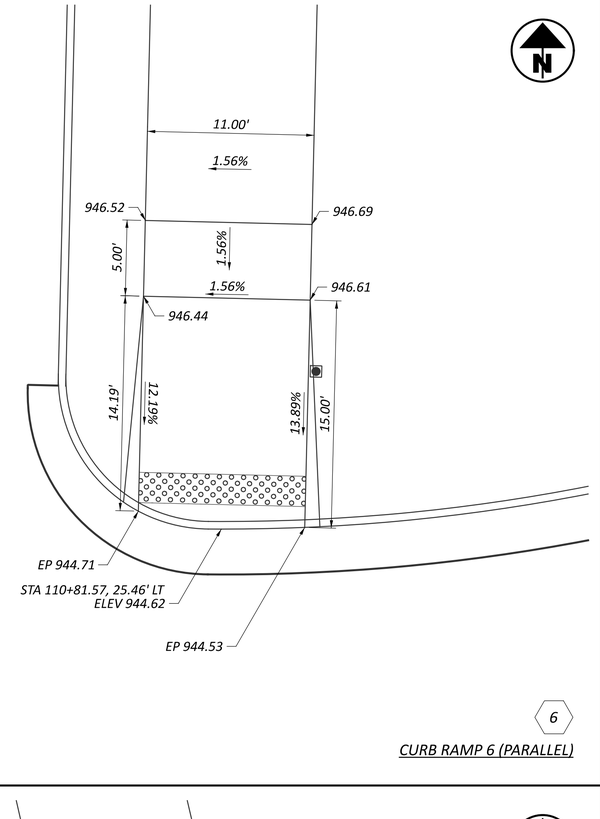


CURB RAMP KEY MAP
NOT TO SCALE



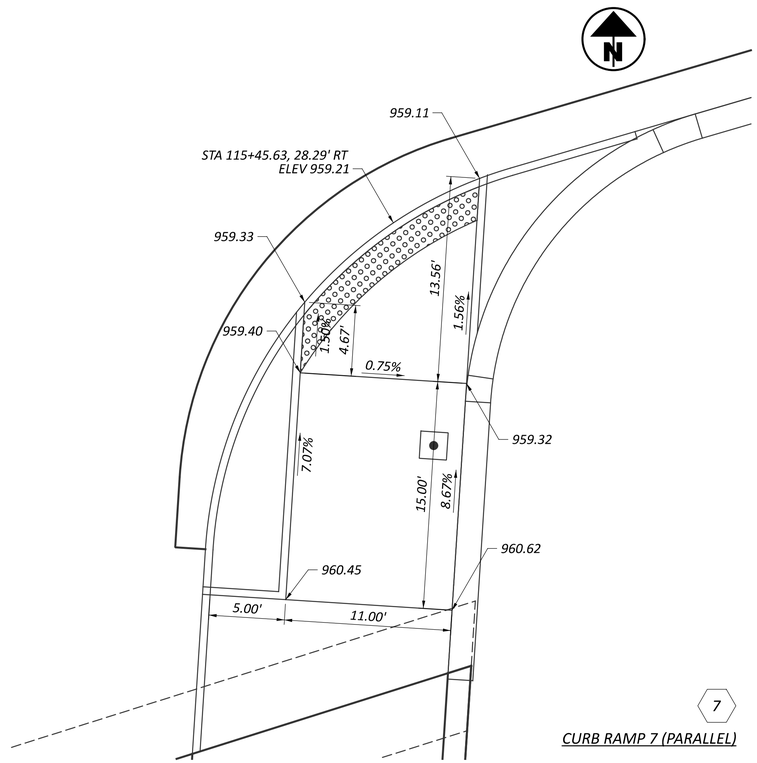
5

CURB RAMP 5 (PERPENDICULAR)



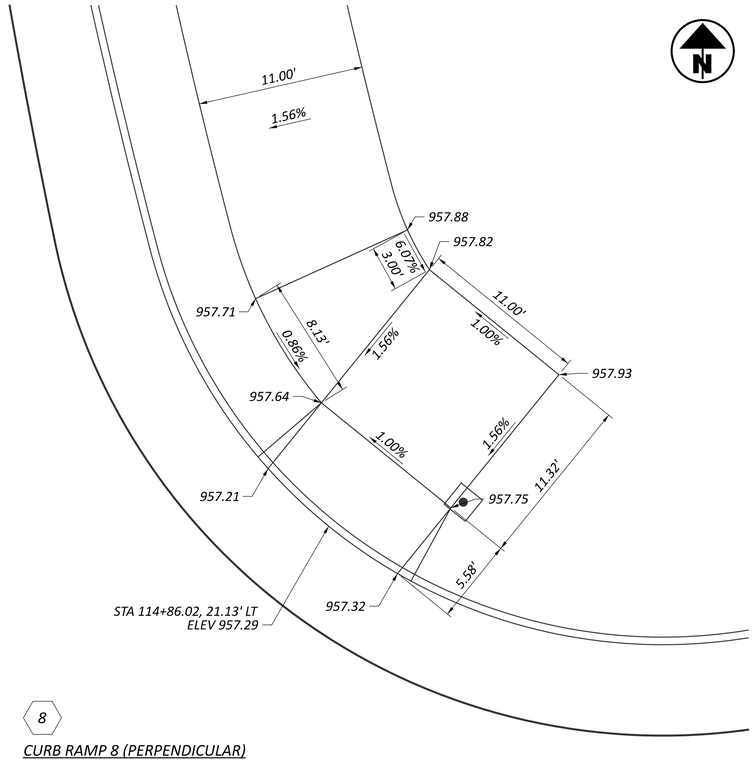
6

CURB RAMP 6 (PARALLEL)



7

CURB RAMP 7 (PARALLEL)



8

CURB RAMP 8 (PERPENDICULAR)

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.0988
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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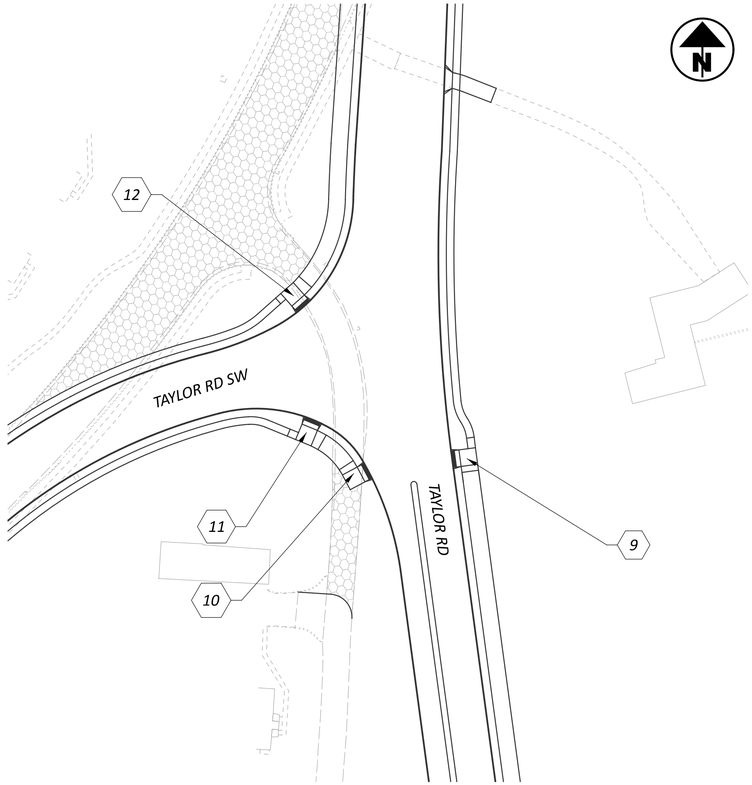
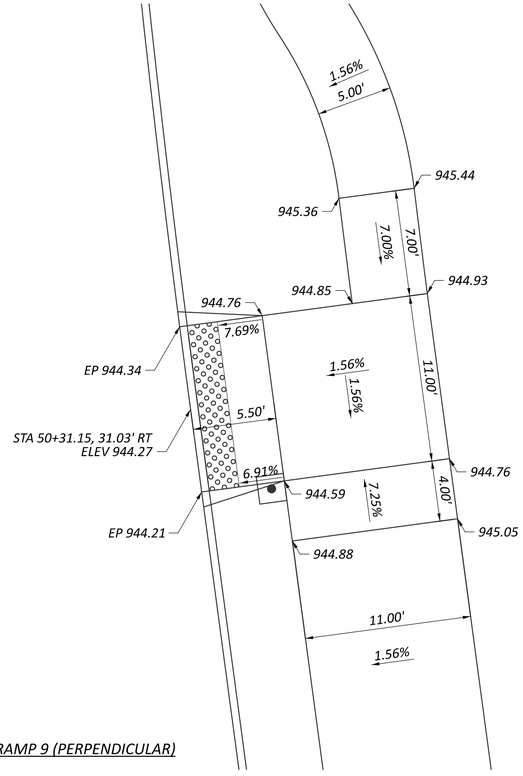
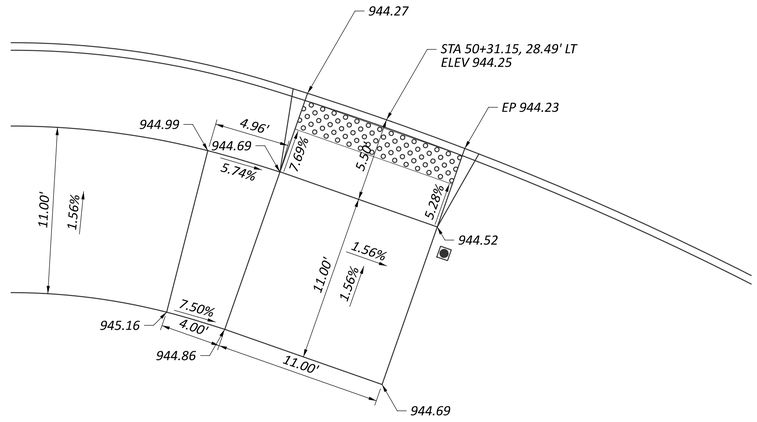


CURB RAMP KEY MAP
NOT TO SCALE



CURB RAMP 9 (PERPENDICULAR)



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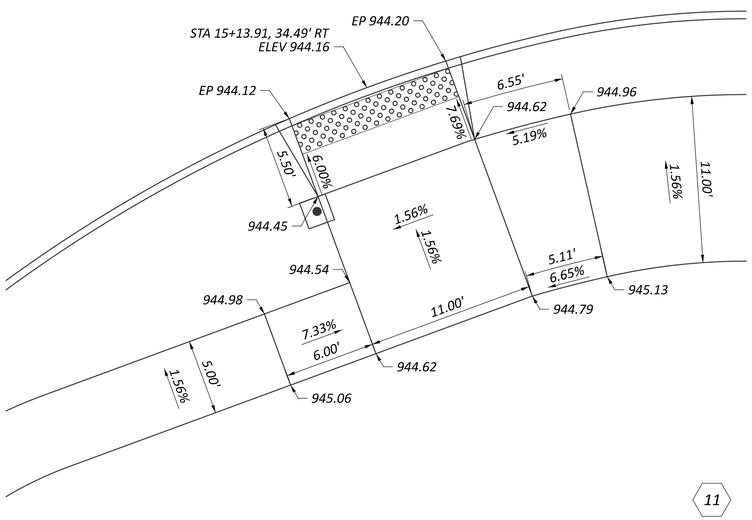
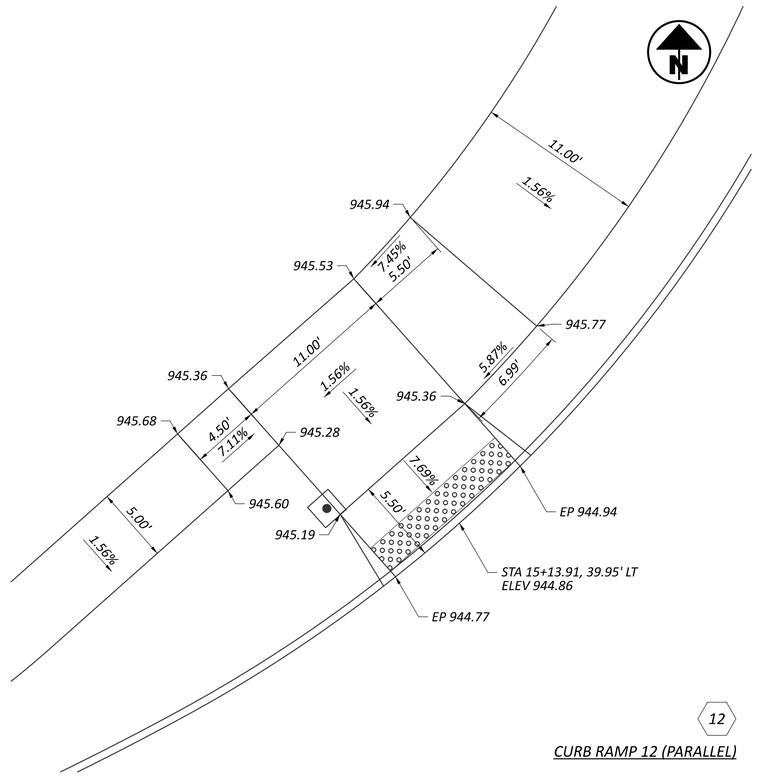


CURB RAMP 11 (PERPENDICULAR)



CURB RAMP 12 (PARALLEL)

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0989 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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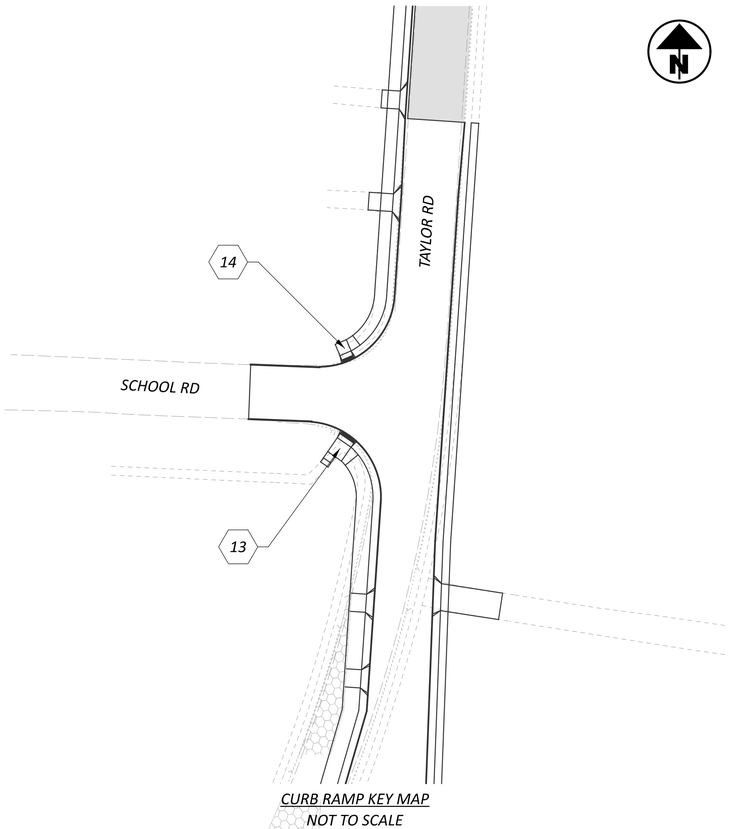
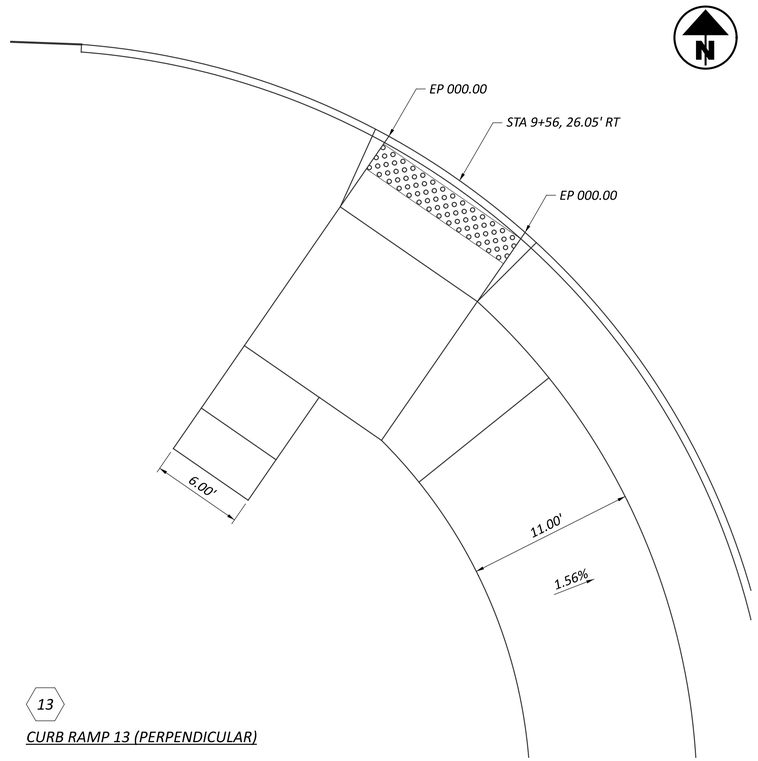


CURB RAMP KEY MAP
NOT TO SCALE



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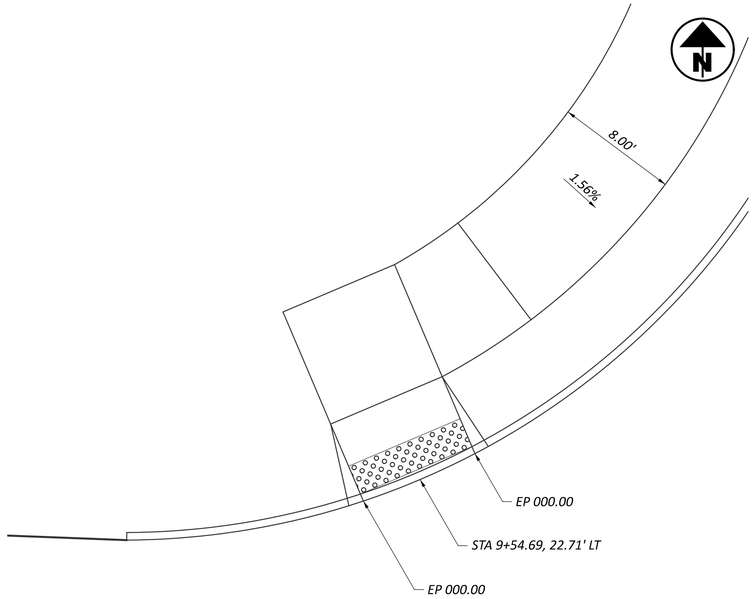
CURB RAMP 13 (PERPENDICULAR)



14
CURB RAMP 12 (PERPENDICULAR)

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

DESIGN AGENCY
WILKESON STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0990 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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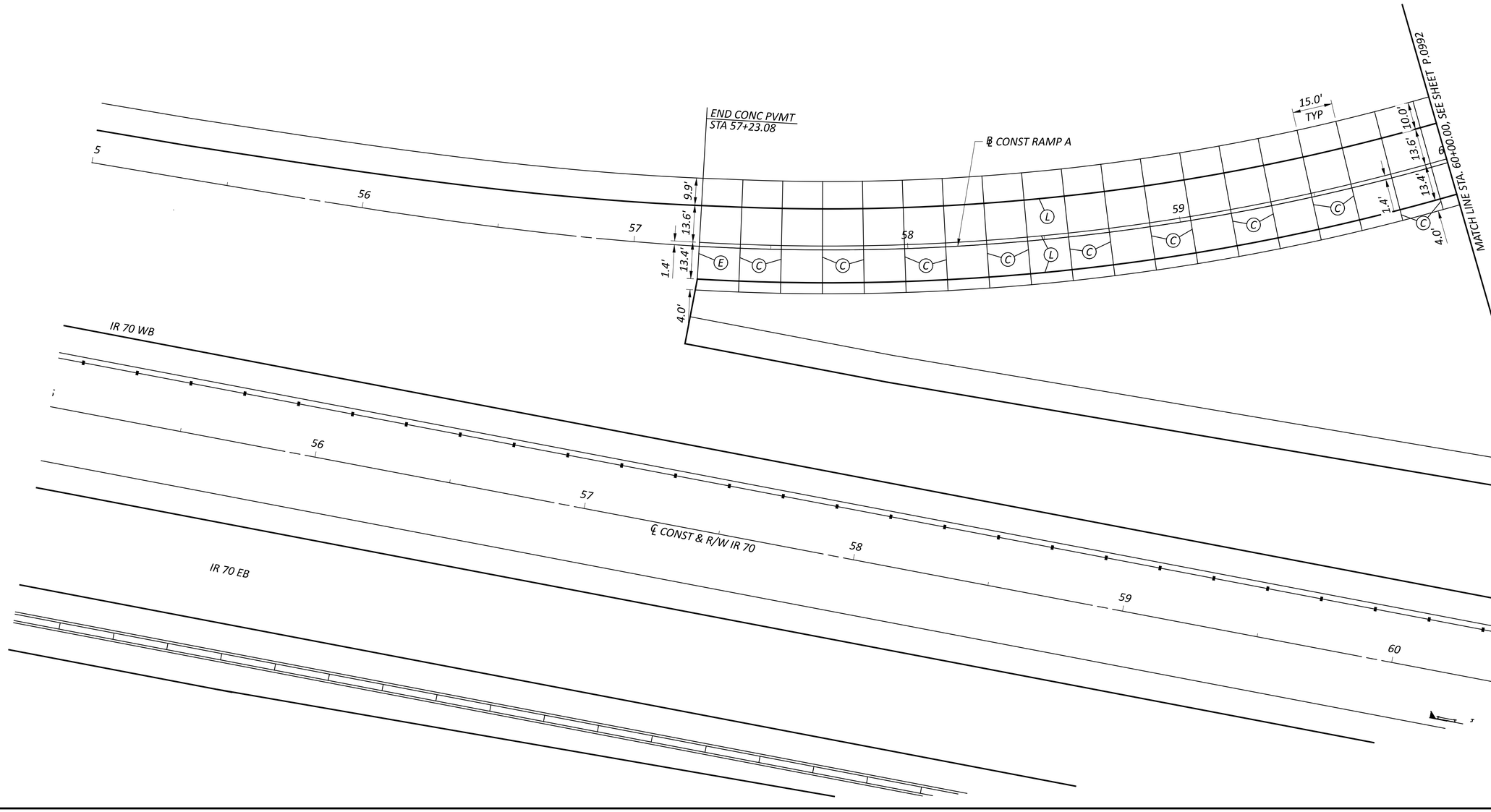
LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS



HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP A
STA. 55+00.00 TO STA. 60+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0991 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Ramp 70A Plan 1 - Ramp 70A Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:15:59 PM USER: brieder
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LEGEND

(E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.

(W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS

(L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1

(S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS

(C) CONTRACTION JOINT PER BP-2.2

CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP A
STA. 60+00.00 TO STA. 64+80.86

DESIGN AGENCY
MIDWEST STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0992 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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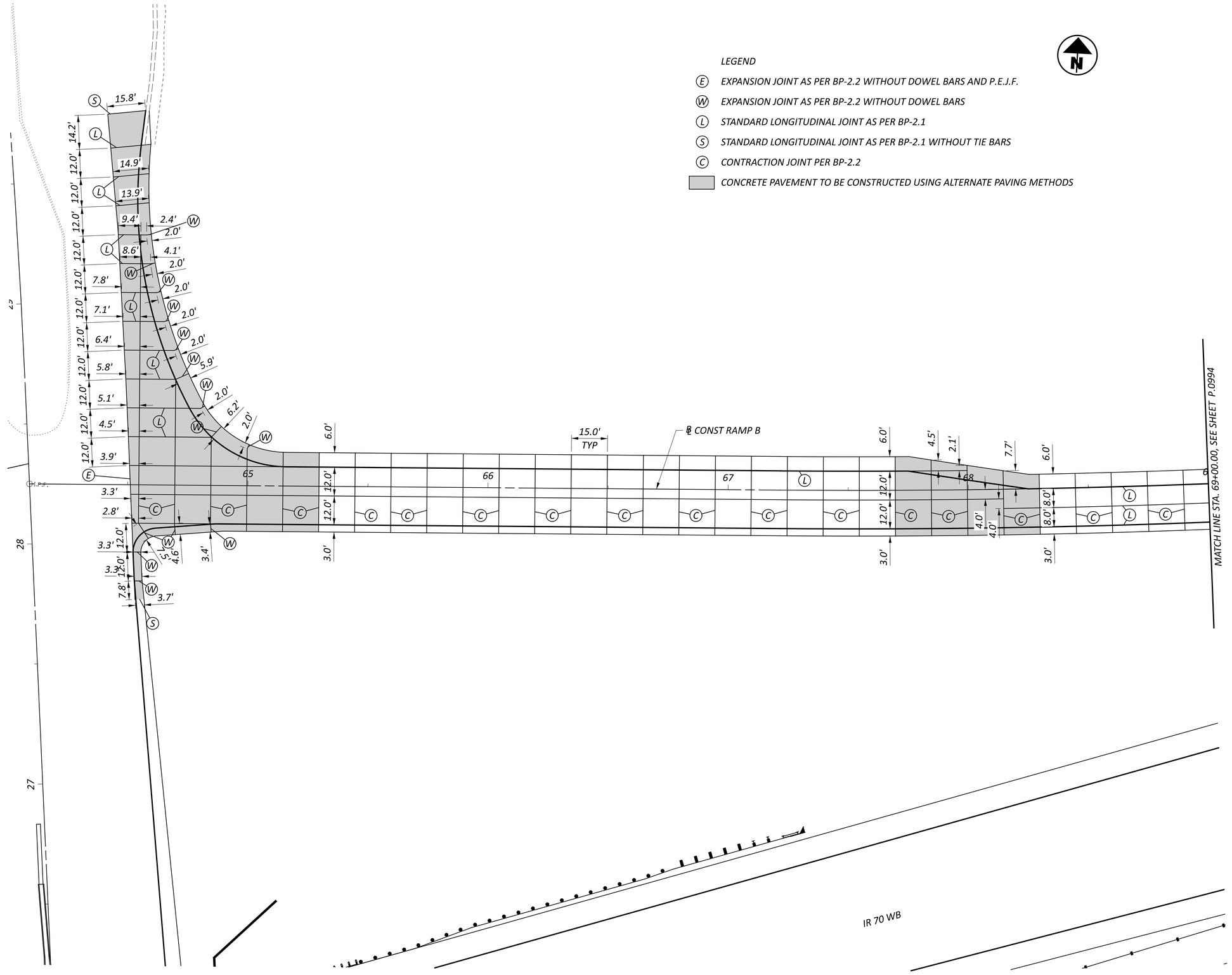


HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP B
STA. 64+09.09 to STA. 69+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

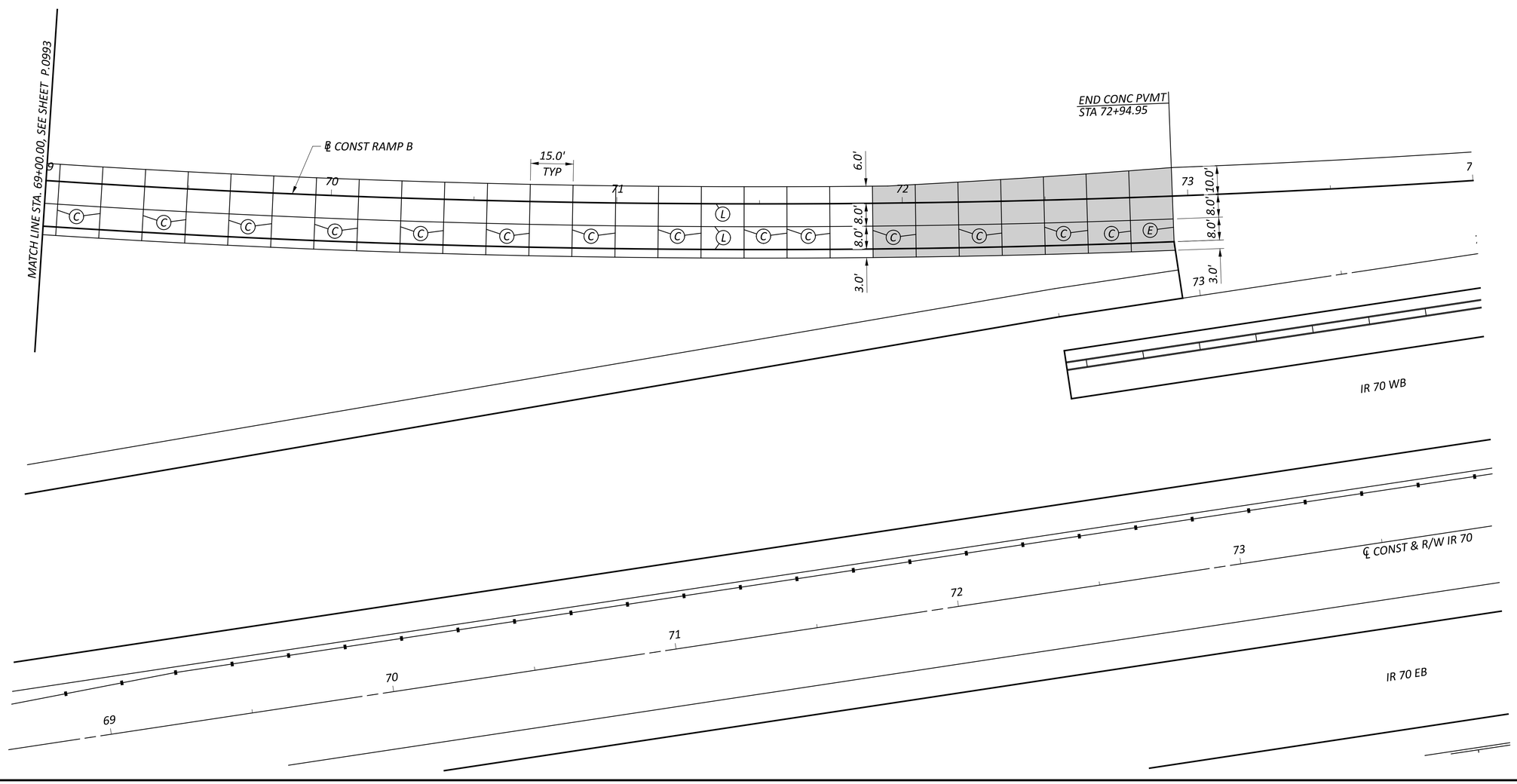
REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0993 TOTAL P.1556

LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS



HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP B
STA. 69+00.00 TO STA. 74+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.0994 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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PAVEMENT JOINT DETAILS - RAMP C
STA. 60+28.84 TO STA. 66+00.00

HORIZONTAL SCALE IN FEET
0 10 20 40

END CONC PVMT
STA 79+57.26

BEGIN CONC PVMT
STA 60+81.88

℄ CONST RAMP D

℄ CONST RAMP C

MATCH LINE STA. 66+00.00, SEE SHEET P.0996

LEGEND

- (E) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.*
- (W) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS*
- (L) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1*
- (S) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS*
- (C) *CONTRACTION JOINT PER BP-2.2*
- *CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS*

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.0995 TOTAL P.1556

MODEL: BLP_R070C - Ramp 70C Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:16:55 PM USER: brieder
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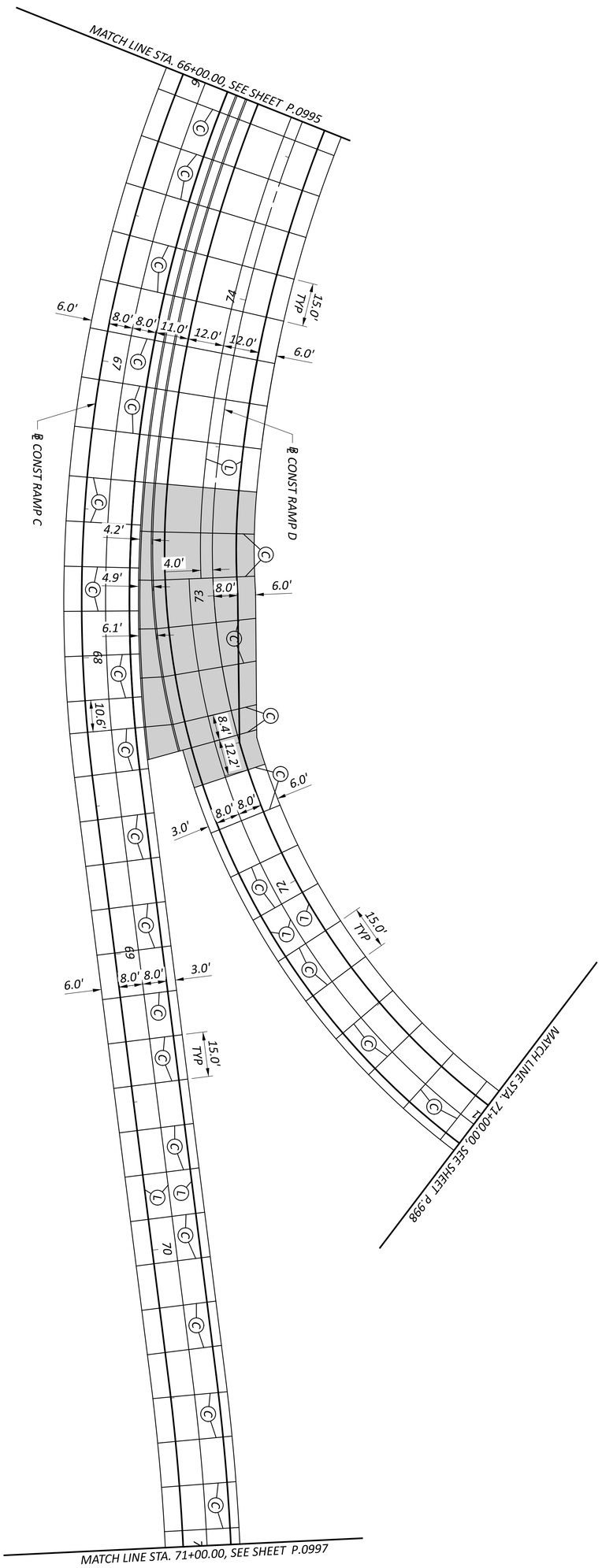

LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

PAVEMENT JOINT DETAILS - RAMP C
STA. 66+00.00 TO STA. 71+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.0996	P.1556

PROJECT ID: 96808
REVIEWER: KAM 04/25/25
DESIGNER: BER
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

LEGEND

- (E) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.*
- (W) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS*
- (L) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1*
- (S) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS*
- (C) *CONTRACTION JOINT PER BP-2.2*
- *CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS*

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP C
STA. 71+00.00 TO STA. 76+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.0997 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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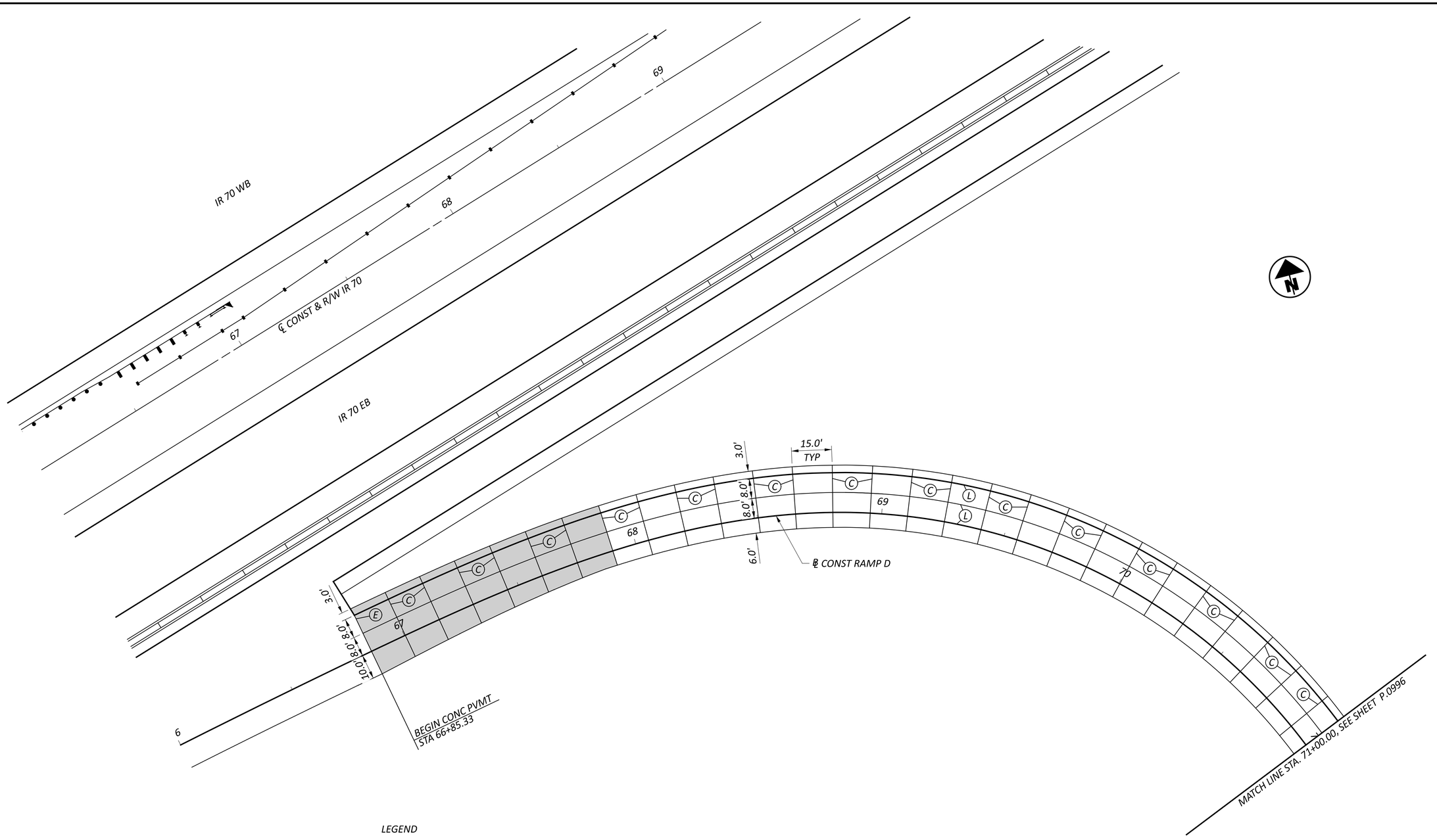

LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP D
STA. 66+00.00 TO STA. 71+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.998 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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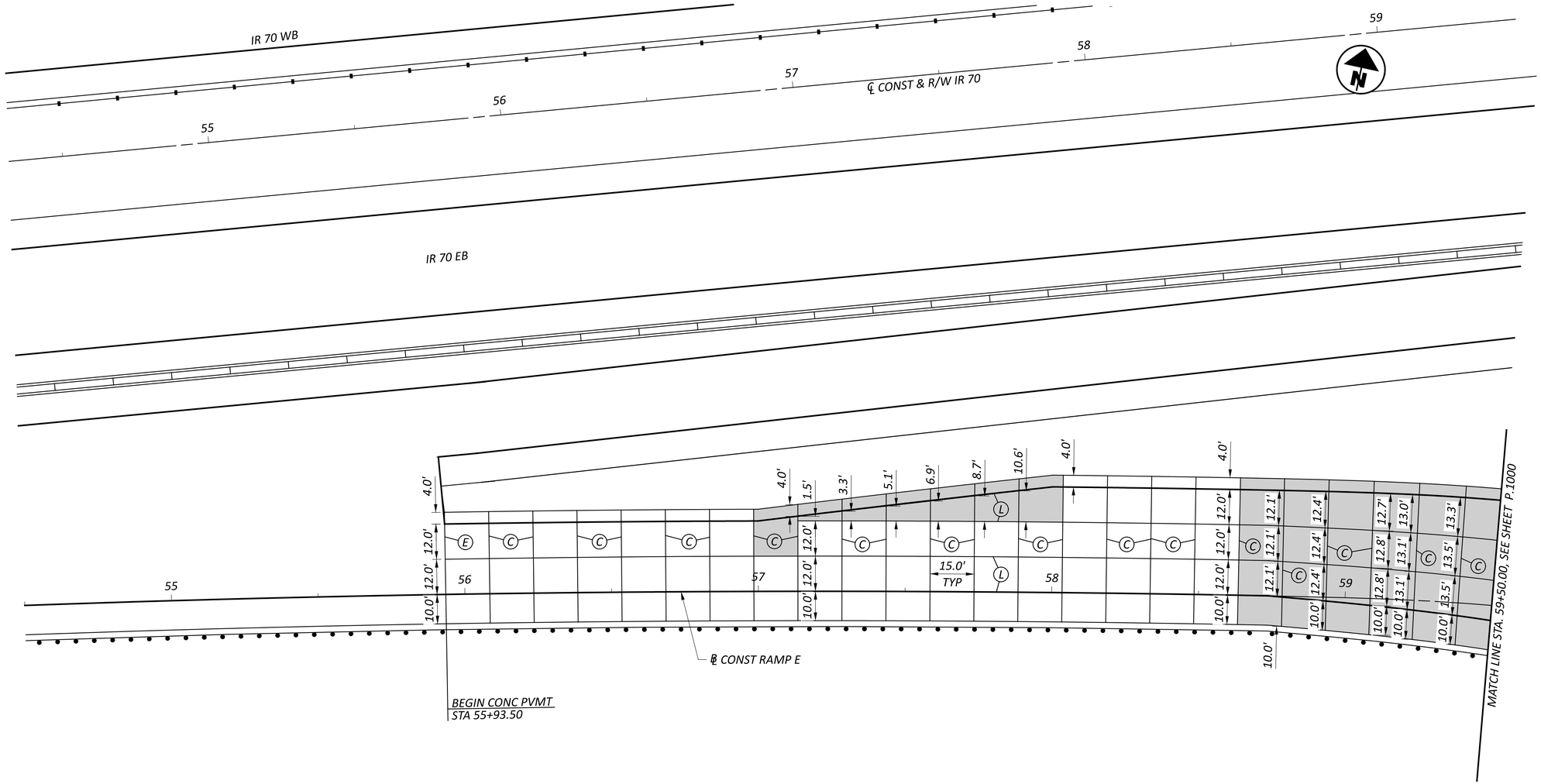

LEGEND

- (E) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.*
- (W) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS*
- (L) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1*
- (S) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS*
- (C) *CONTRACTION JOINT PER BP-2.2*
- *CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS*

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP E
STA. 54+50.00 TO STA. 59+50.00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.999
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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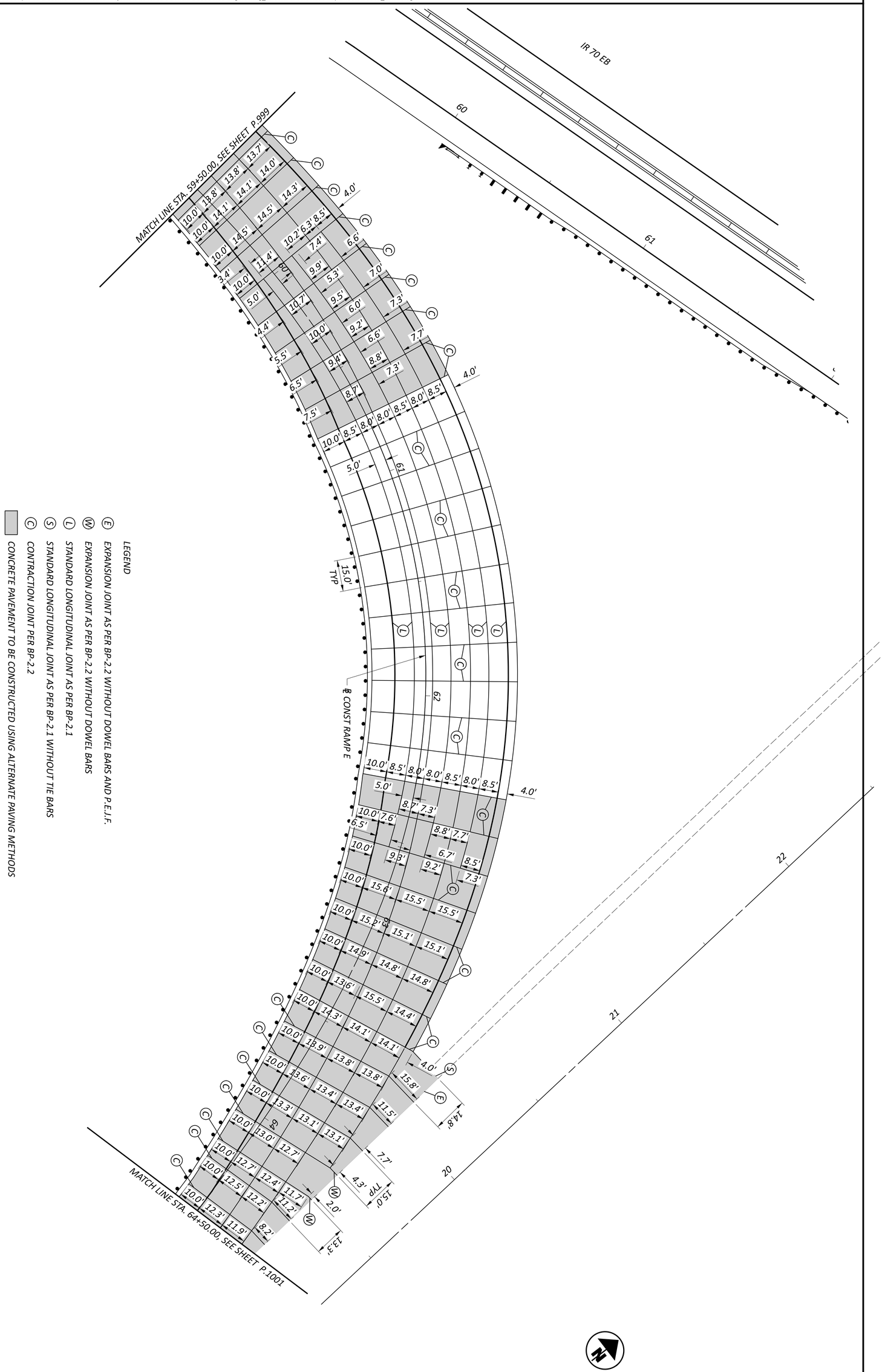


SHEET	TOTAL
P.1000	P.1556

PROJECT ID: 96808

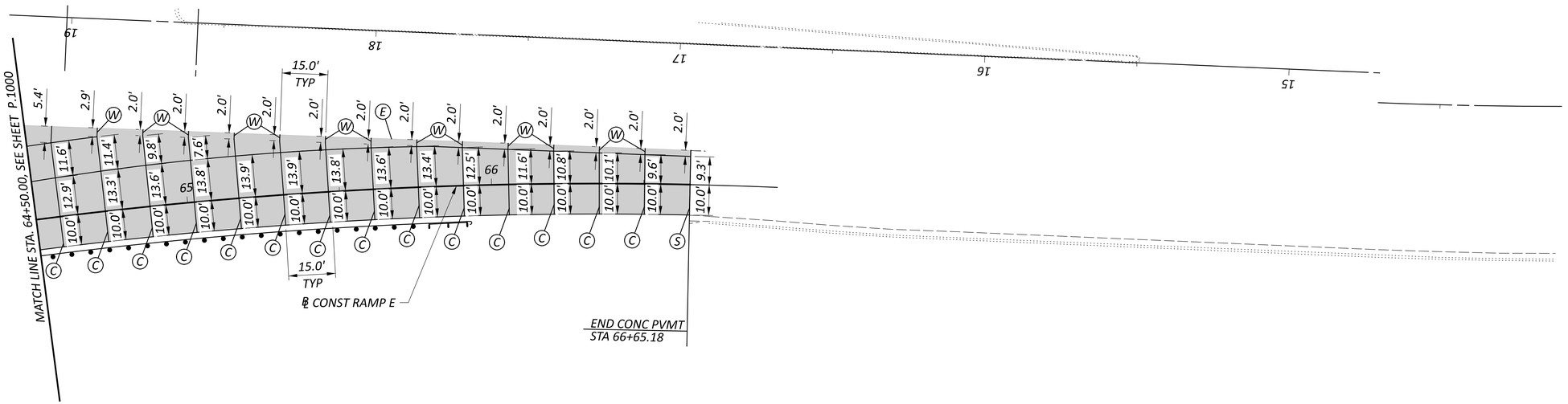
REVIEWER: KAM 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PAVEMENT JOINT DETAILS - RAMP E
STA. 59+50.00 TO STA. 64+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40



LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP E
STA. 64+50.00 TO STA. 66+93.83

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER KAM 04/25/25
PROJECT ID 96808
SHEET P.1001 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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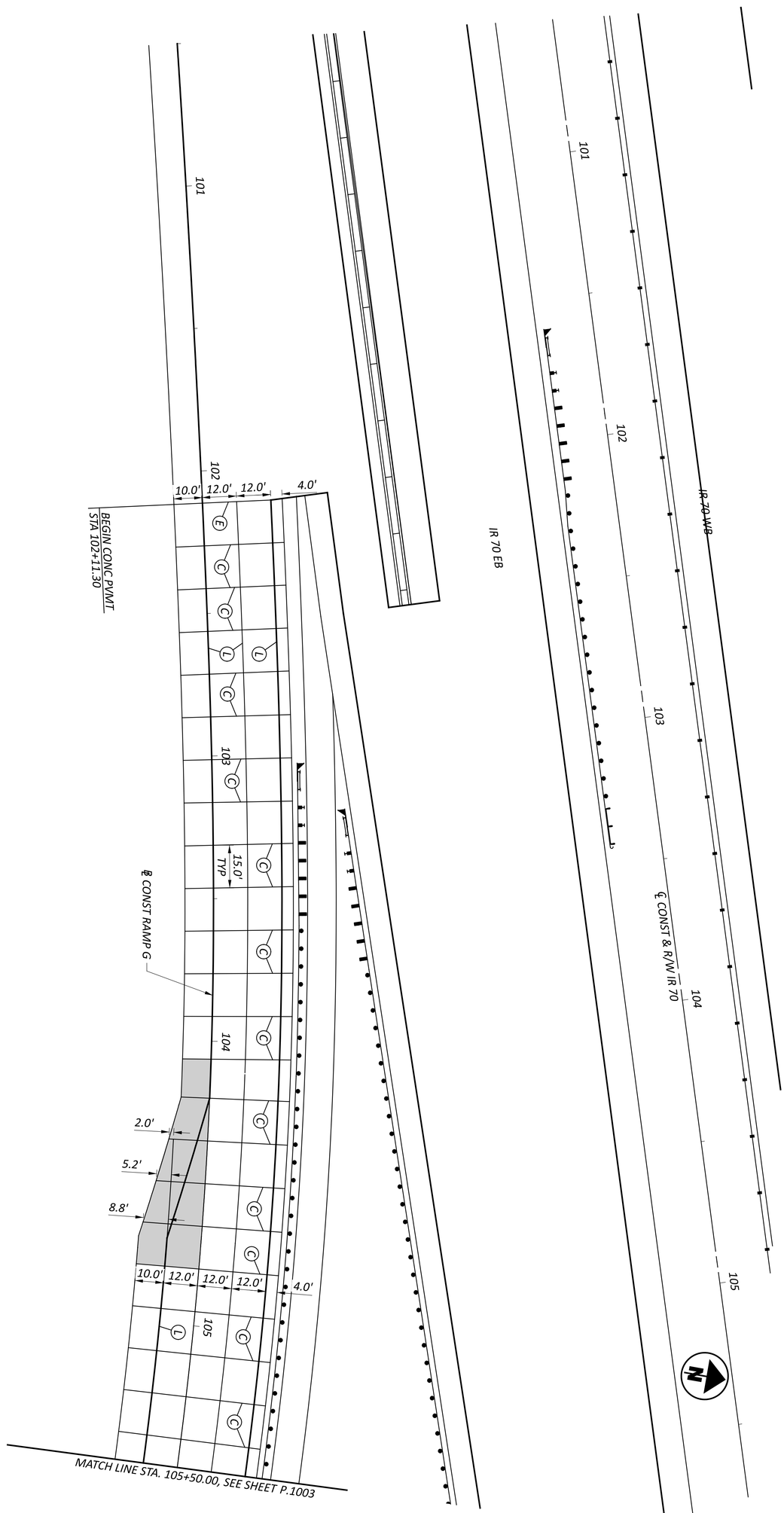

PAVEMENT JOINT DETAILS - RAMP G
STA. 100+50.00 TO STA. 105+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
BER	KAM 04/25/25	96808	P.1002	P.1556

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

LEGEND

- (E) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.*
- (W) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS*
- (L) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1*
- (S) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS*
- (C) *CONTRACTION JOINT PER BP-2.2*
- *CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS*

PAVEMENT JOINT DETAILS - RAMP G
STA. 105+50.00 TO STA. 110+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1003 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070G - Ramp 70G Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:18:11 PM USER: brieder
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LEGEND

(E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.

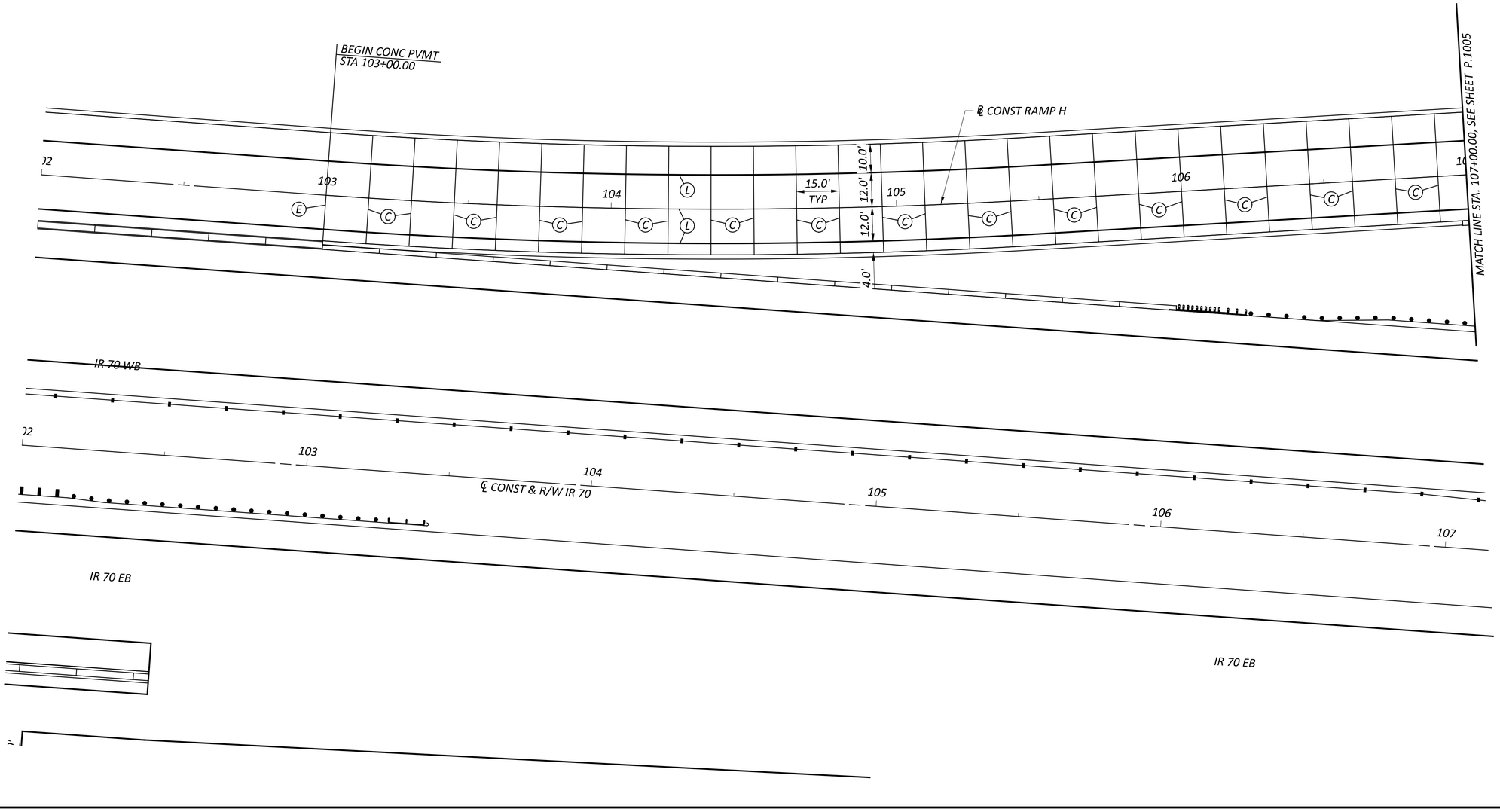
(W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS

(L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1

(S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS

(C) CONTRACTION JOINT PER BP-2.2

CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS



HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP H
STA. 102+00.00 TO STA. 107+00.00

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - Ramp 70H Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:18:22 PM USER: brieder
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1004
TOTAL	P.1556

LEGEND

(E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.

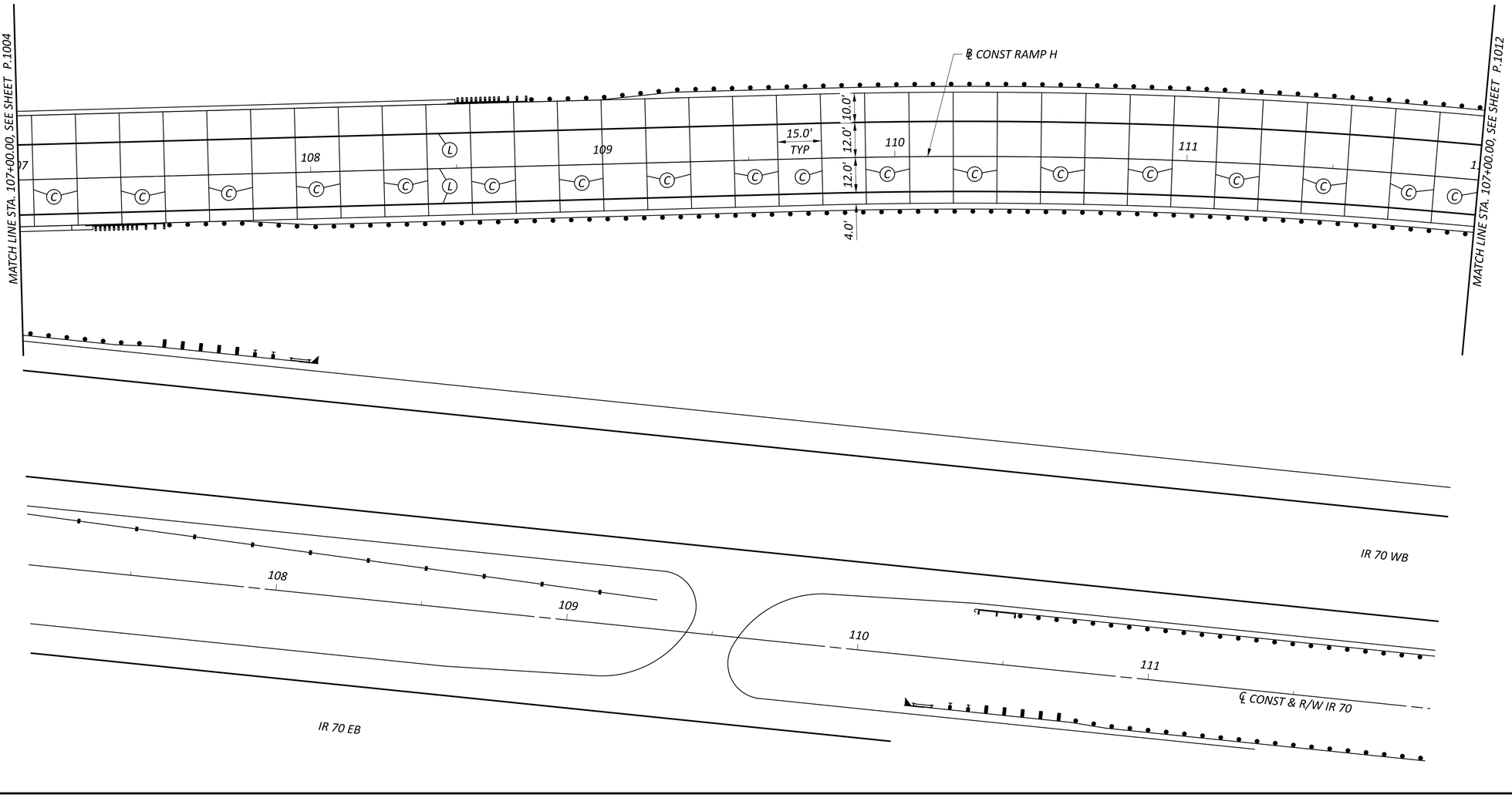
(W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS

(L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1

(S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS

(C) CONTRACTION JOINT PER BP-2.2

CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS



HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP H
STA. 107+00.00 TO STA. 112+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.1005 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070H - Ramp 70H Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:18:36 PM USER: brieder
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LEGEND

(E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.

(W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS

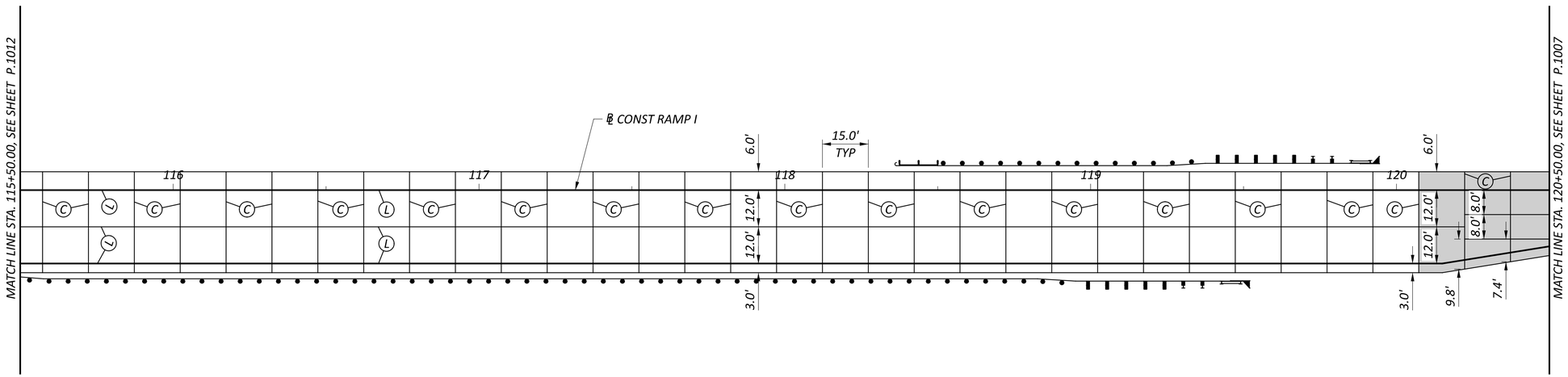
(L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1

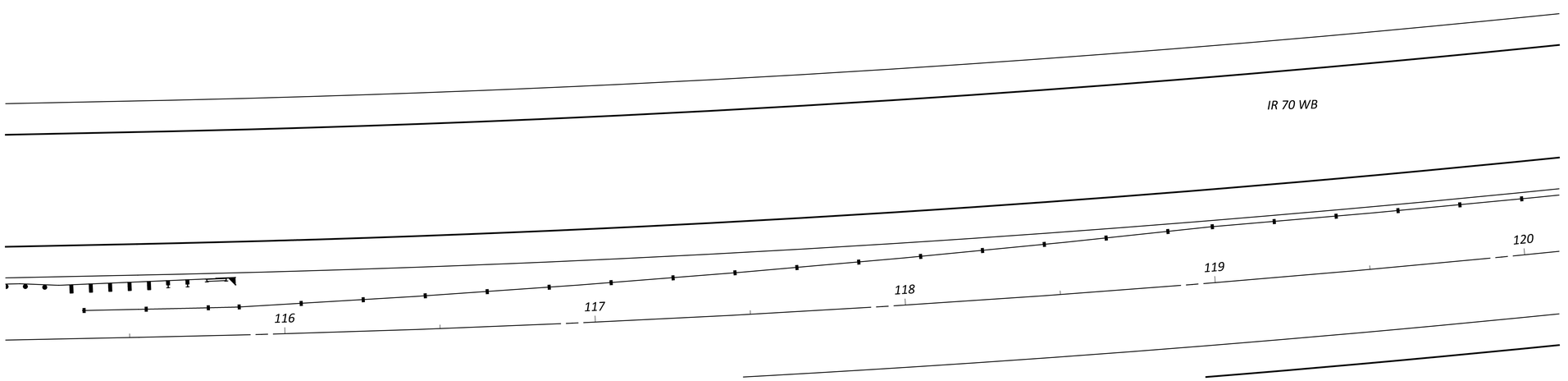
(S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS

(C) CONTRACTION JOINT PER BP-2.2

CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

HORIZONTAL SCALE IN FEET
0 10 20 40





PAVEMENT JOINT DETAILS - RAMP I
STA. 115+50.00 TO STA. 120+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER

REVIEWER KAM 04/25/25

PROJECT ID 96808

SHEET P.1006 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: BLP_R070I - Ramp 70I Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:18:46 PM USER: brieder
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FAI/LIC-IR 70-0.00/0.00

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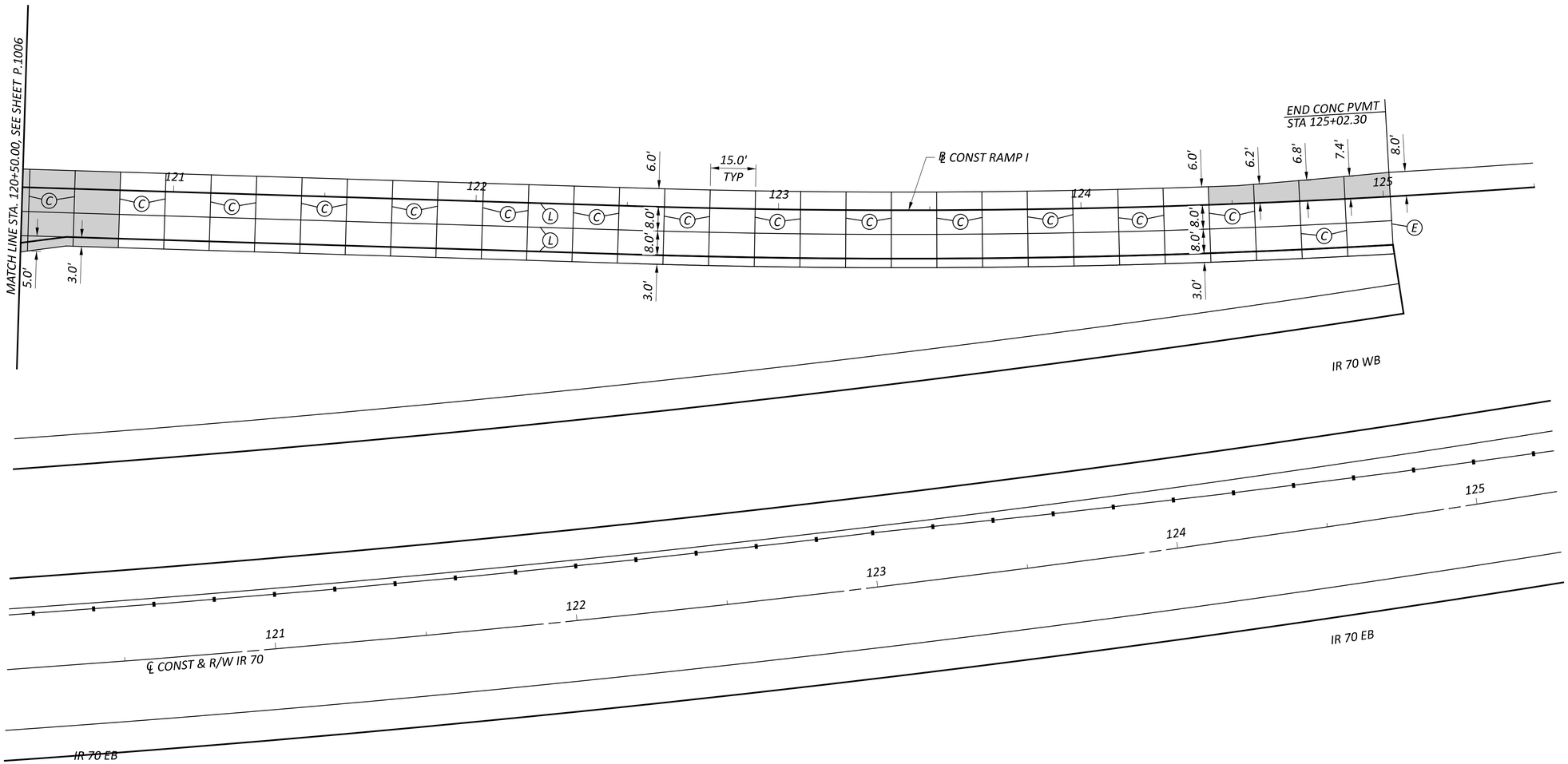
LEGEND

- (E) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.*
- (W) *EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS*
- (L) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1*
- (S) *STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS*
- (C) *CONTRACTION JOINT PER BP-2.2*
- *CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS*



HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - RAMP I
STA. 120+50.00 TO STA. 125+50.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1007
TOTAL	P.1556

MODEL: BLP_R070J - Ramp 70J Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:19:09 PM USER: brieder
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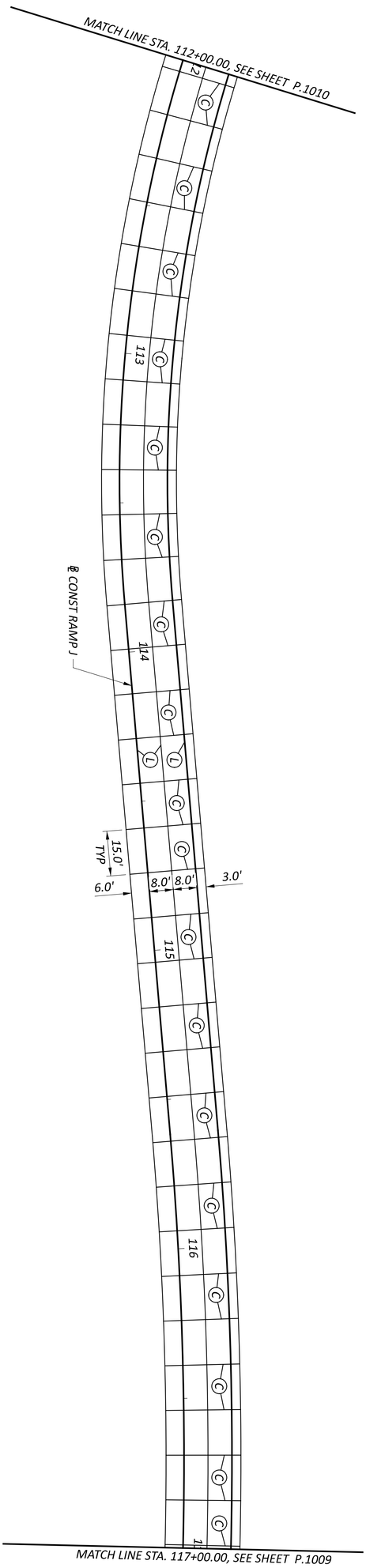

LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

PAVEMENT JOINT DETAILS - RAMP J
STA. 112+00.00 TO STA. 117+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.1008	P.1556

PROJECT ID: 96808

REVIEWER: KAM 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: BLP_R070J - Ramp 70J Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:19:20 PM USER: brieder
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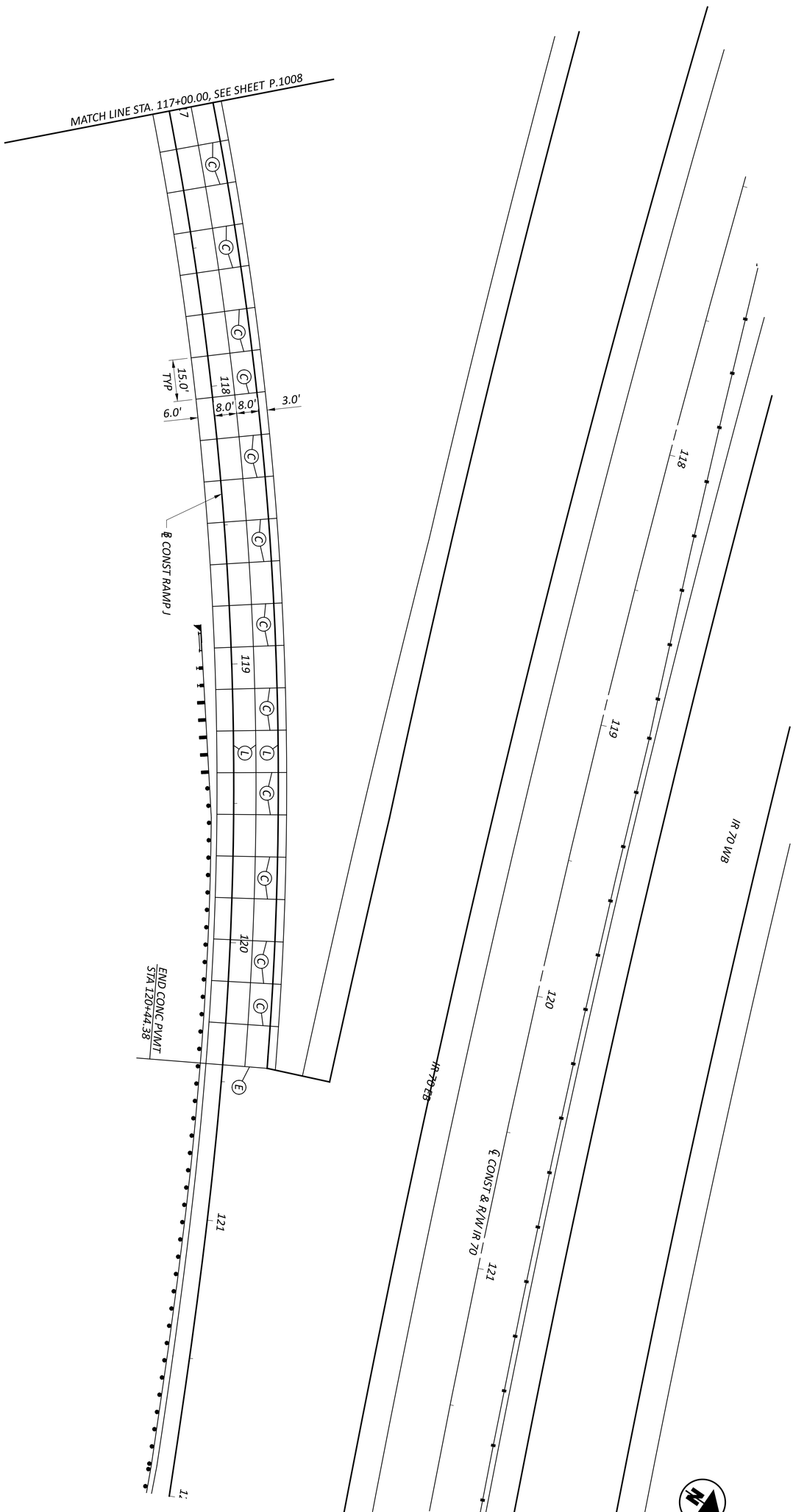


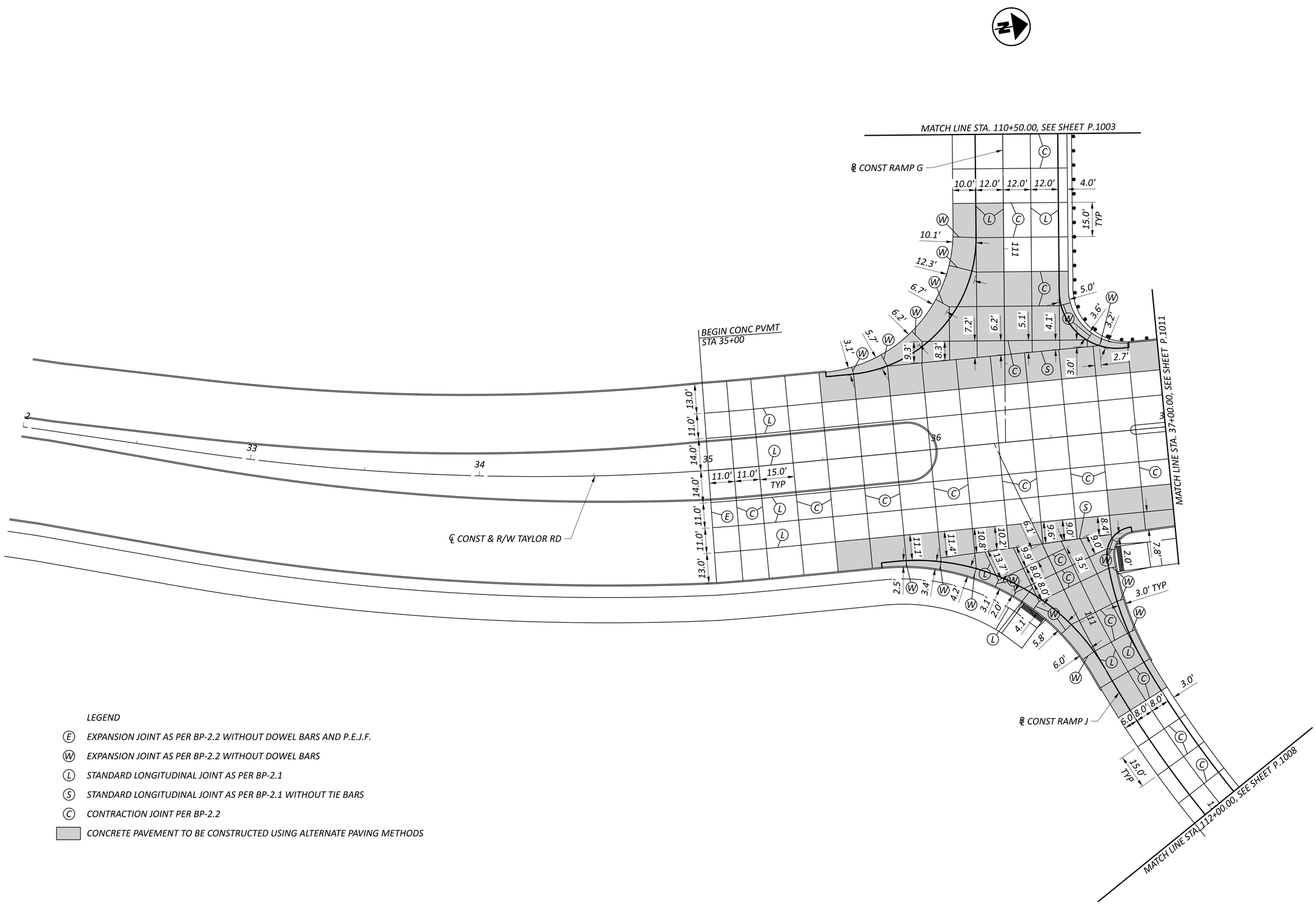
LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

PAVEMENT JOINT DETAILS - RAMP J
STA. 117+00.00 TO STA. 122+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER: BER
REVIEWER: KAM 04/25/25
PROJECT ID: 96808
SHEET: P.1009 TOTAL: P.1556



LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - TAYLOR ROAD
STA. 32+00.00 TO STA. 37+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1010 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Ramp 70J Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:19:31 PM USER: brieder
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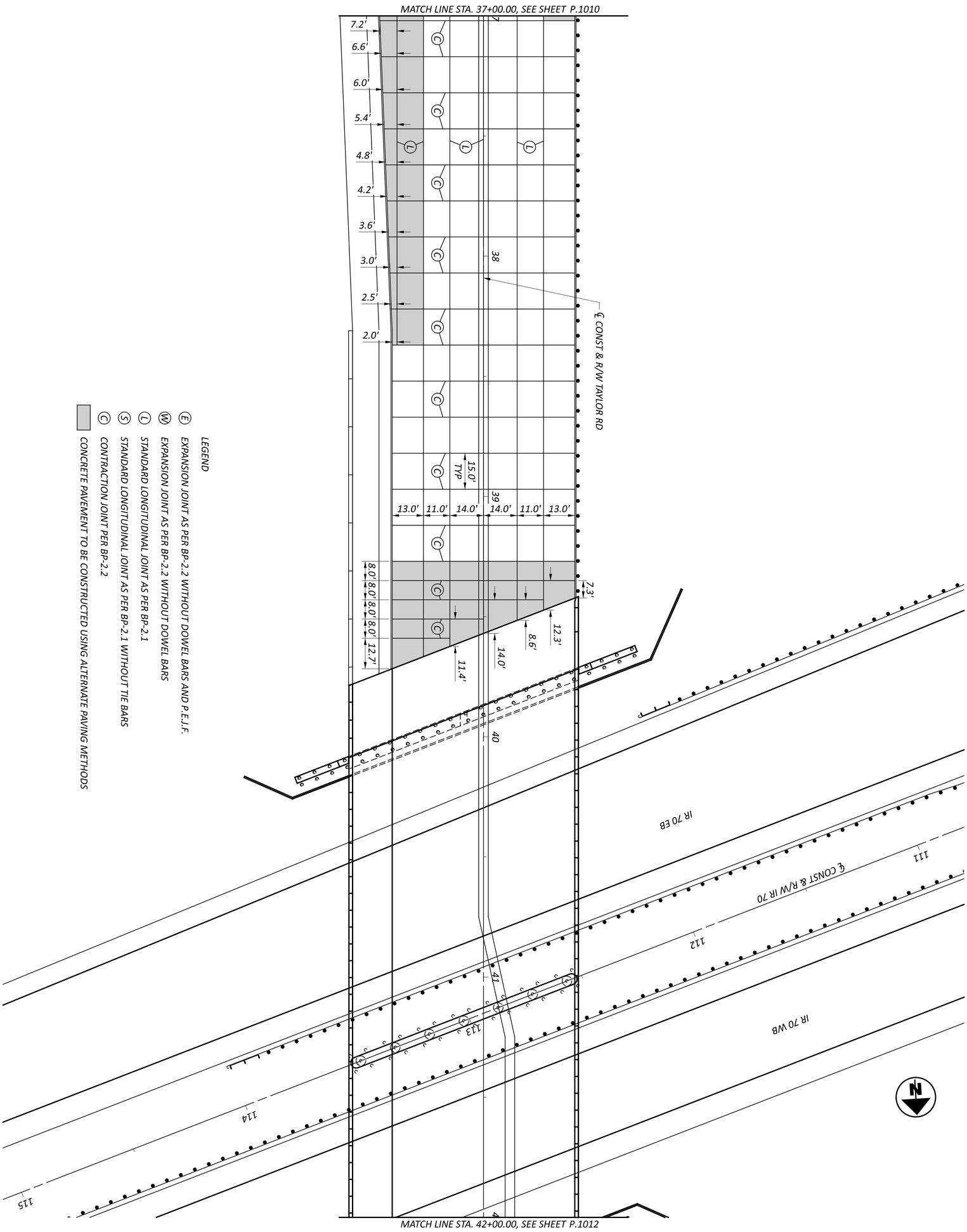


SHEET	TOTAL
P.1011	P.1556

PROJECT ID: 96808

REVIEWER: KAM 04/25/25

DESIGNER: BER

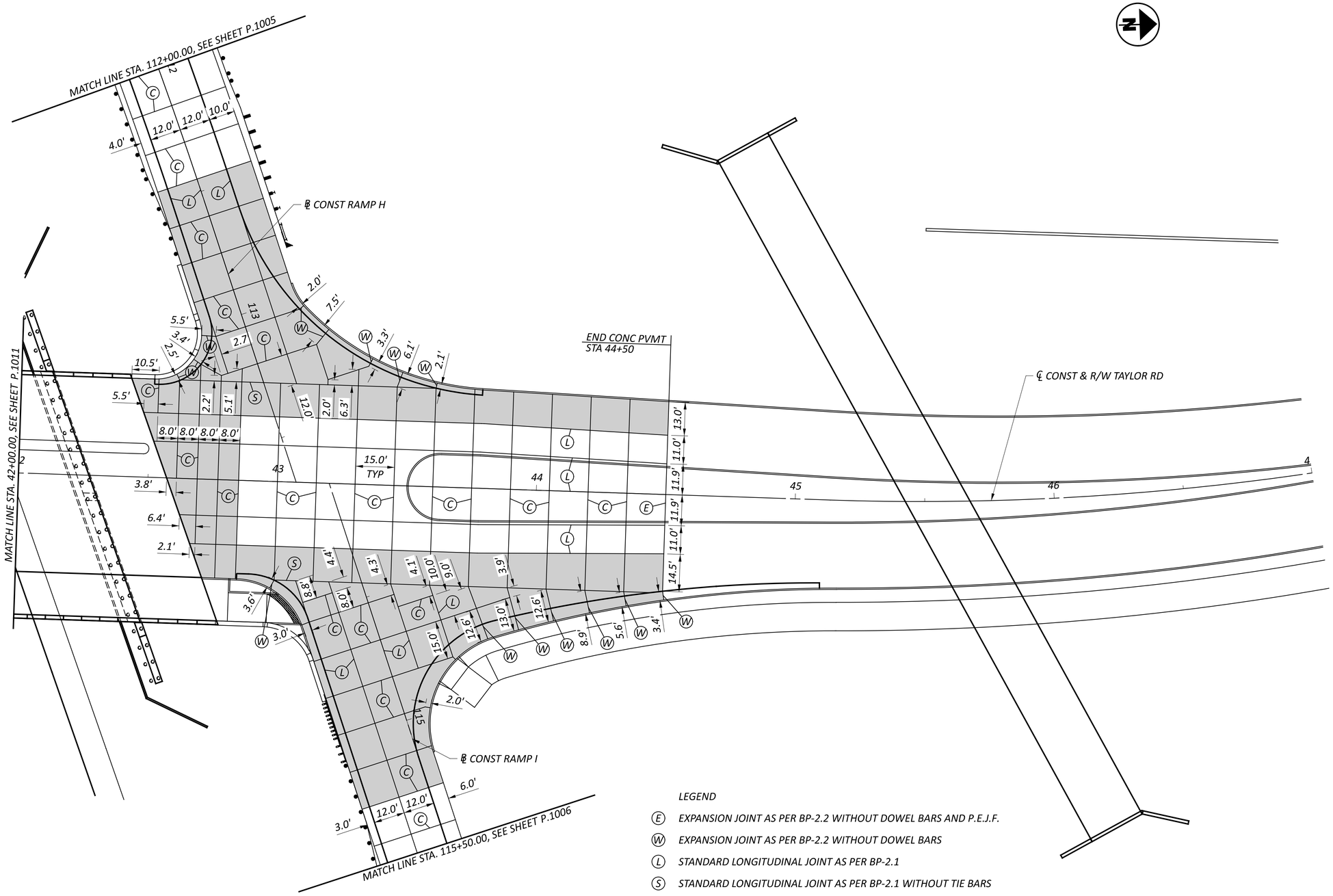
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

PAVEMENT JOINT DETAILS - TAYLOR ROAD
STA. 37+00.00 TO STA. 42+00.00

HORIZONTAL SCALE IN FEET

0 20

10 40



LEGEND

- (E) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS AND P.E.J.F.
- (W) EXPANSION JOINT AS PER BP-2.2 WITHOUT DOWEL BARS
- (L) STANDARD LONGITUDINAL JOINT AS PER BP-2.1
- (S) STANDARD LONGITUDINAL JOINT AS PER BP-2.1 WITHOUT TIE BARS
- (C) CONTRACTION JOINT PER BP-2.2
- CONCRETE PAVEMENT TO BE CONSTRUCTED USING ALTERNATE PAVING METHODS

HORIZONTAL SCALE IN FEET
0 10 20 40

PAVEMENT JOINT DETAILS - TAYLOR ROAD
STA. 42+00.00 TO STA. 47+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1012 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Ramp 70J Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:19:53 PM USER: brieder
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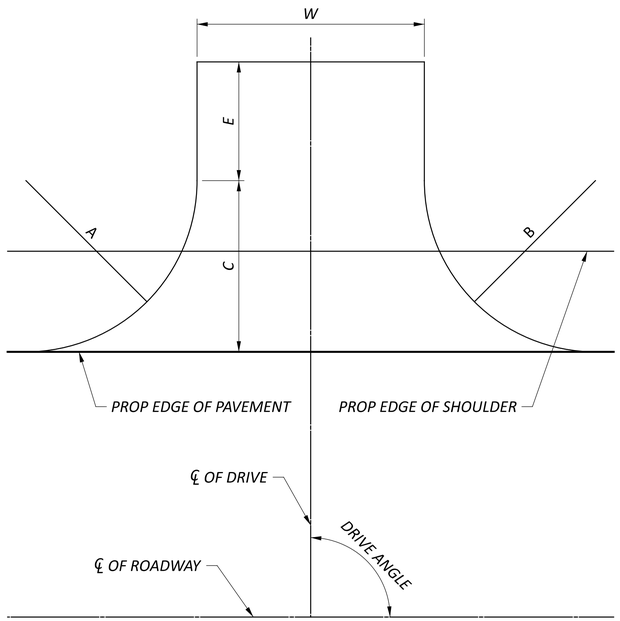
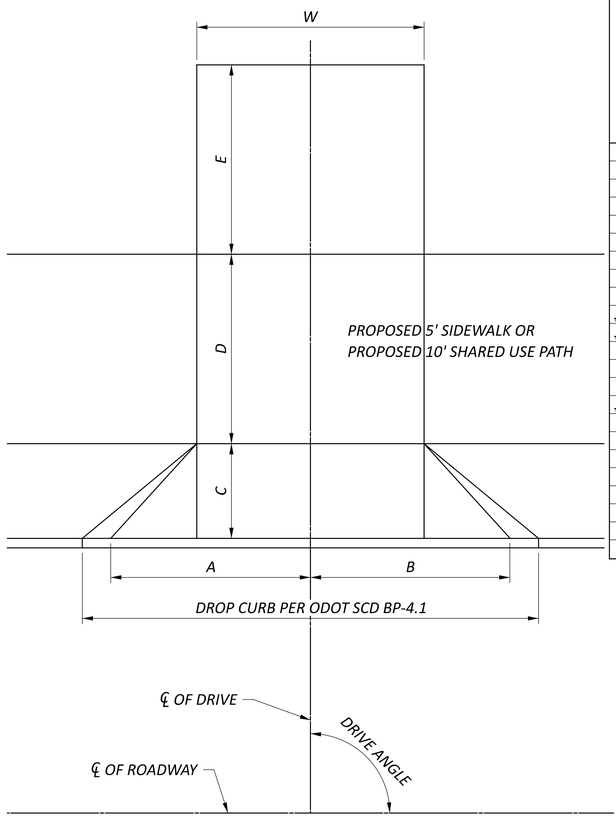


TYPE 1 DRIVEWAY



DRIVEWAY MEASUREMENTS (FT)													
SHEET NO	REFERENCE NO	LOCATION	STATION	SIDE	DRIVE TYPE	DRIVE BUILD-UP	DRIVE ANGLE (DEGREES)	A	B	C	D	E	W
P.0325 & P.1014	DR-1	RAMP D	75+26.19	RT	1	D1	77	25.00	30.00	36.12		19.55	16.00
P.0353 & P.1014	DR-2	TAYLOR RD	25+20.42	LT	2	D5	89	20.00	20.00	20.00		35.00	18.50
P.0363 & P.1015	DR-3	TAYLOR RD	52+87.82	RT	2	D4	90	8.10	8.10	5.00	5.00	23.90	10.00
P.0365 & P.1015	DR-4	TAYLOR RD	54+34.00	LT	2	D2	90	9.00	9.00	5.00	10.00		12.00
P.0365 & P.1016	DR-5	TAYLOR RD	54+84.00	LT	2	D2	90	9.00	9.00	5.00	10.00		12.00
P.0365 & P.1016	DR-6	TAYLOR RD	54+93.50	RT	2	D3	85	11.82	11.82	5.00	5.00	34.85	17.70
P.0365 & P.1017	DR-7	TAYLOR RD	56+21.33	LT	1	D5	88	50.00	50.00	51.71		41.78	36.00
P.0365 & P.1017	DR-8	TAYLOR RD	57+48.82	LT	2	D3	90	10.76	10.97	5.00	8.00	8.00	11.70
$GP240 & P.1018	DR-9	TAYLOR RD	58+16.84	LT	2	D3	90	10.96	10.96	5.00	8.00	4.00	11.92
$GP241 & P.1018	DR-10	TAYLOR RD	59+78.51	LT	2	D3	90	10.66	10.66	5.00	8.00	4.00	11.18
P.0371 & P.1019	DR-11	SR 204	39+60.00	RT	1	D2	70	25.00	15.00	26.33		9.51	20.80
P.0375 & P.1019	DR-12	SR 204	45+83.28	LT	1	D3	84	25.00	25.00	32.67		89.25	16.00
$GP441 & P.1020	DR-13	WELLESLEY DR	14+17.30	LT	2	D2	64	10.65	10.97	6.41	4.33	27.87	15.90
P.0383 & P.1020	DR-14	PALMER RD	23+10.32	RT	2	D3	79	10.00	10.00	11.91		62.60	18.30
P.0383 & P.1021	DR-15	PALMER RD	23+91.51	RT	2	D3	90	10.00	10.00	10.00		61.34	12.00
P.0385 & P.1021	DR-16	PALMER RD	25+13.44	RT	2	D3	79	10.00	10.00	11.32		55.71	10.00
P.0385 & P.1022	DR-17	PALMER RD	25+15.33	LT	2	D3	90	10.00	10.00	12.16		69.85	12.00
P.0383 & P.1022	DR-18	GEORGIAN DR SW	102+05.11	RT	2	D4	90	10.00	10.00	10.00		20.00	12.00
P.0380 & P.1023	DR-19	TAYLOR RD SW	11+15.90	LT	3	D2	90	30.00	30.00	24.23			47.57

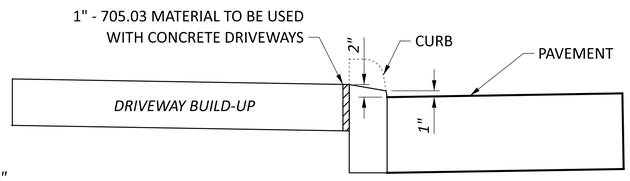
(D1) ***FIELD DRIVEWAY BUILD-UP***
ITEM 304 AGGREGATE BASE = 6"
ITEM 204 SUBGRADE COMPACTION

(D2) ***RESIDENTIAL CONCRETE DRIVEWAY BUILD-UP***
ITEM 452 NON-REINFORCED CONCRETE PAVEMENT = 6"
ITEM 204 SUBGRADE COMPACTION

(D3) ***RESIDENTIAL ASPHALT DRIVEWAY BUILD-UP***
APPRON = ITEM 452 NON-REINFORCED CONCRETE PAVEMENT = 6"
ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS) = 1.25"
ITEM 407 TACK COAT
ITEM 301 ASPHALT CONCRETE BASE, PG 64-22, (449) = 3.5"
ITEM 204 SUBGRADE COMPACTION

(D4) ***RESIDENTIAL GRAVEL DRIVEWAY BUILD-UP***
APPRON = ITEM 452 NON-REINFORCED CONCRETE PAVEMENT = 6"
ITEM 304 AGGREGATE BASE = 6"
ITEM 204 SUBGRADE COMPACTION

(D5) ***COMMERICAL DRIVEWAY BUILD-UP***
APPRON = ITEM 452 NON-REINFORCED CONCRETE PAVEMENT = 8"
ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS) = 1.25"
ITEM 407 TACK COAT
ITEM 301 ASPHALT CONCRETE BASE, PG 64-22, (449) = 5"
ITEM 204 SUBGRADE COMPACTION



TYPE 2 DRIVEWAY

A - LEFT SIDE OF RADII/CHAMFER OF DRIVE LOOKING FROM ℄ OF ROADWAY
B - RIGHT SIDE OF RADII/CHAMFER OF DRIVE LOOKING FROM ℄ OF ROADWAY

DRIVE DETAILS

FAI/LIC-IR 70-0.00/0.00

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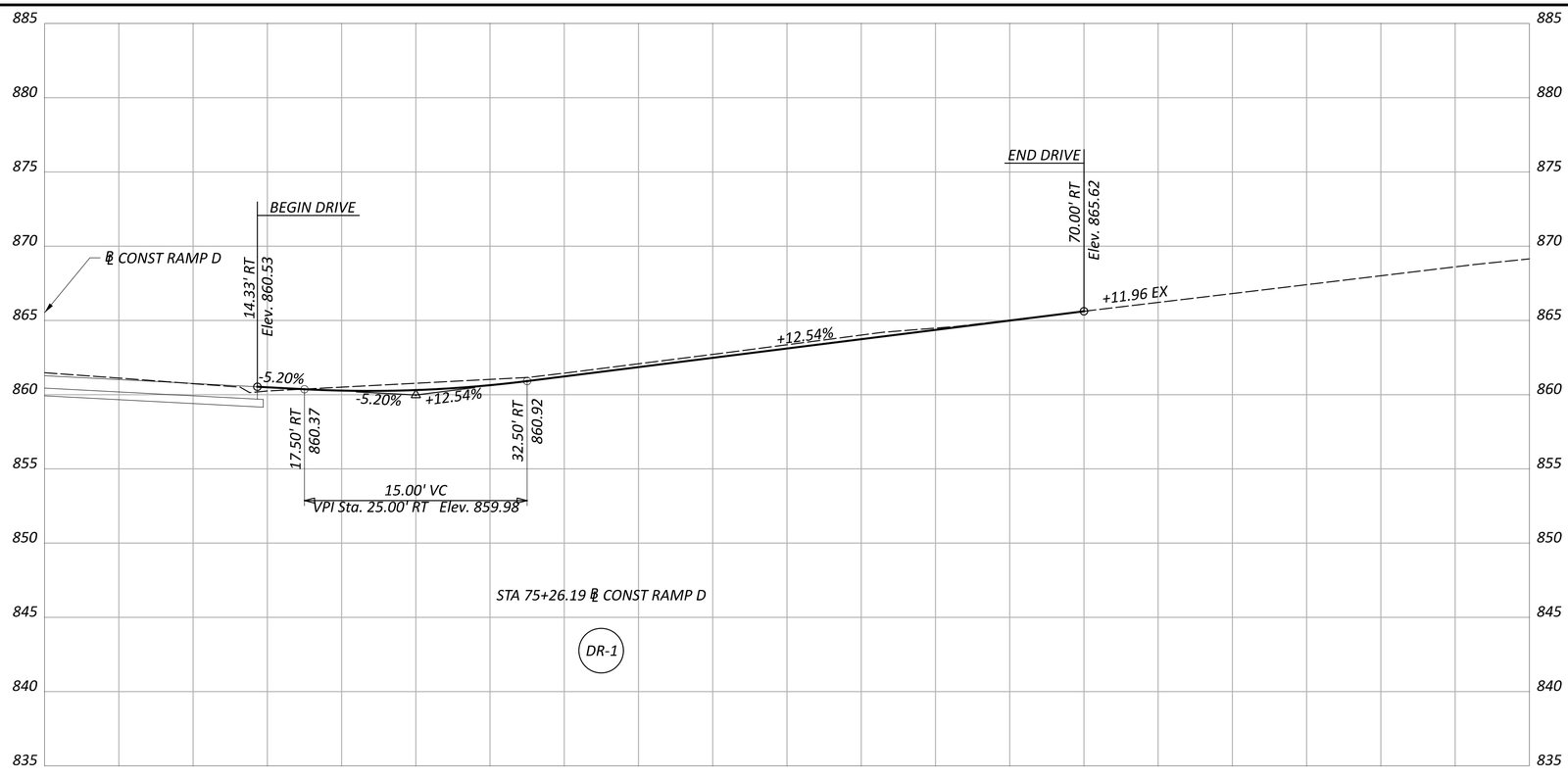
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

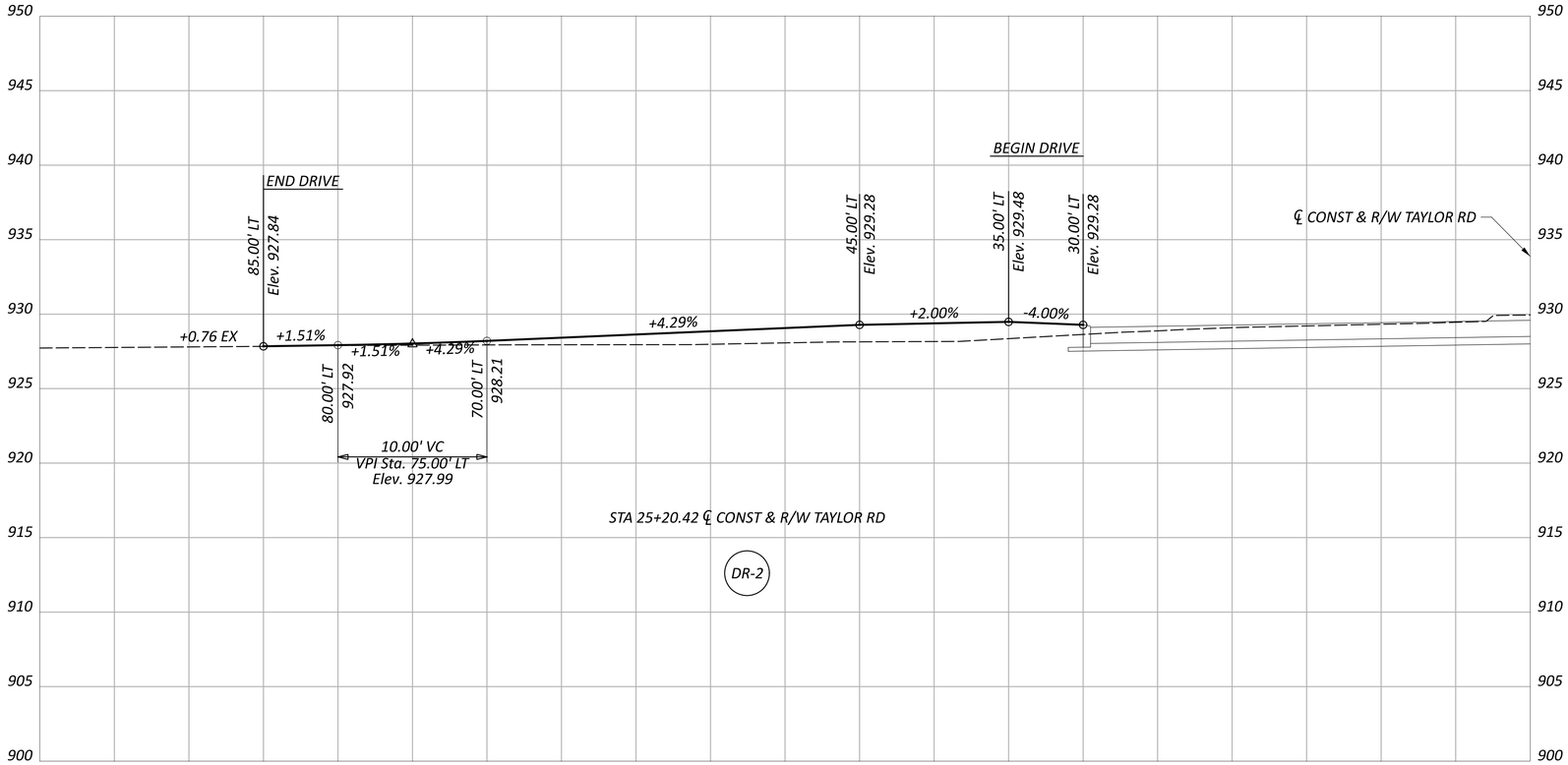
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1013 TOTAL P.1556





DRIVE PROFILE SHEET
DR-1 & DR-2

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:20:46 PM USER: brieder
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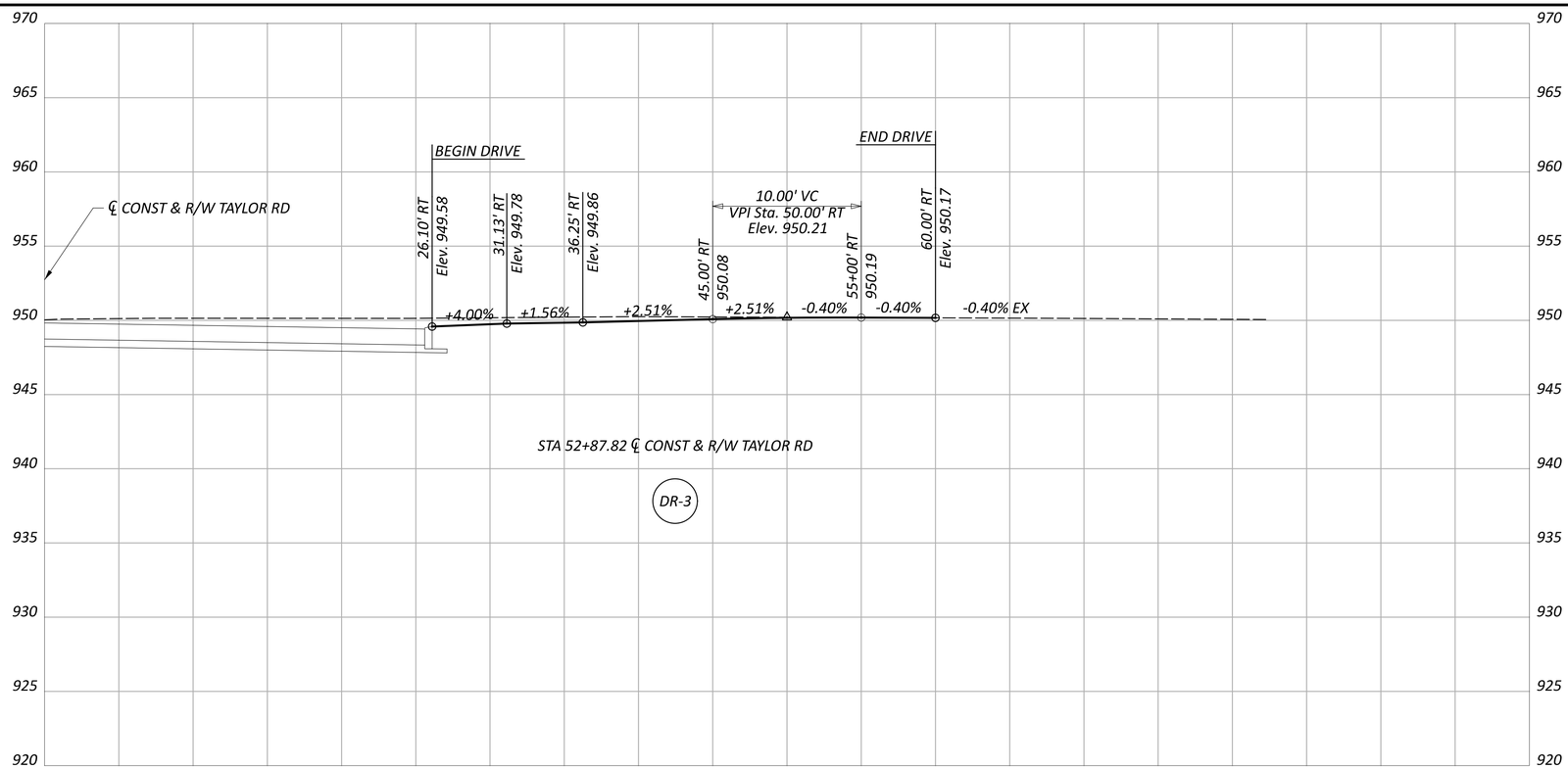
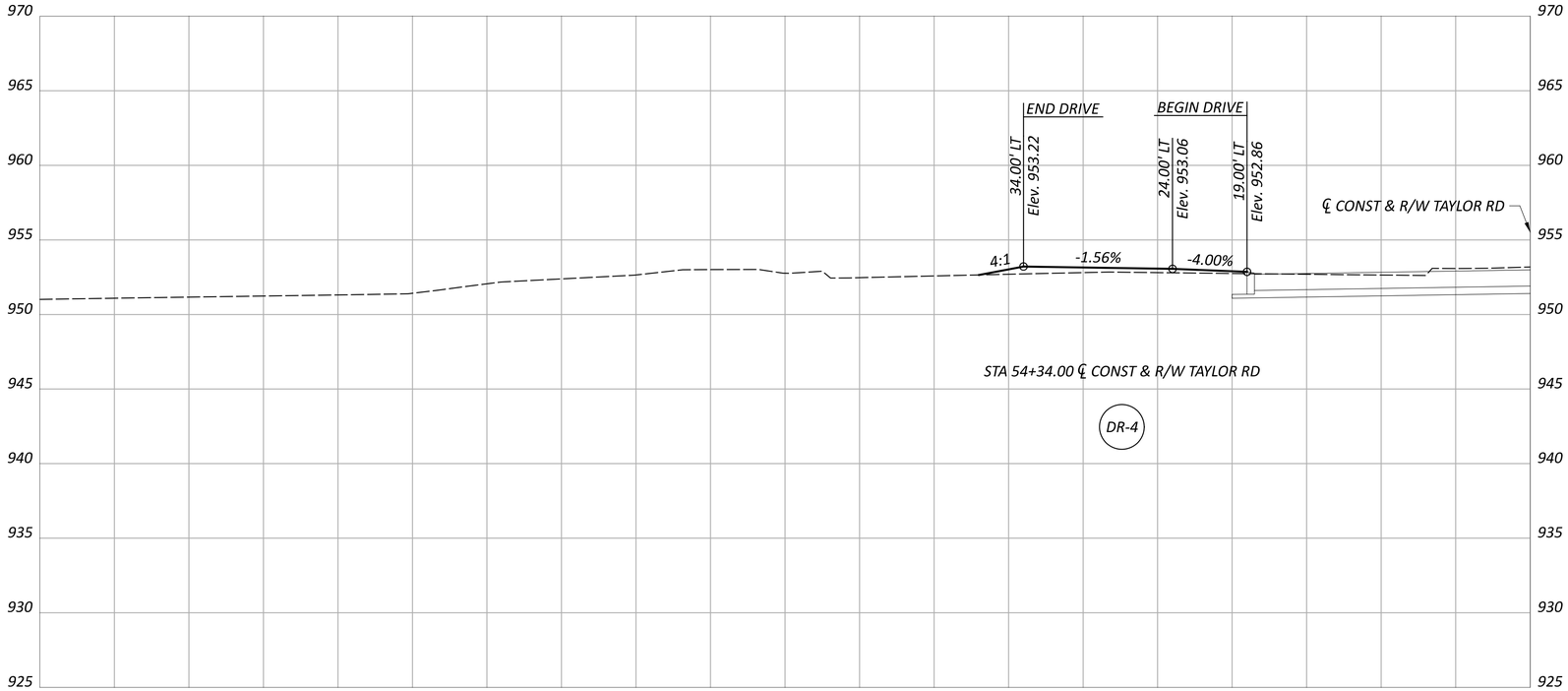
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1014
TOTAL	P.1556





DRIVE PROFILE SHEET
DR-3 & DR-4

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:20:56 PM USER: brieder
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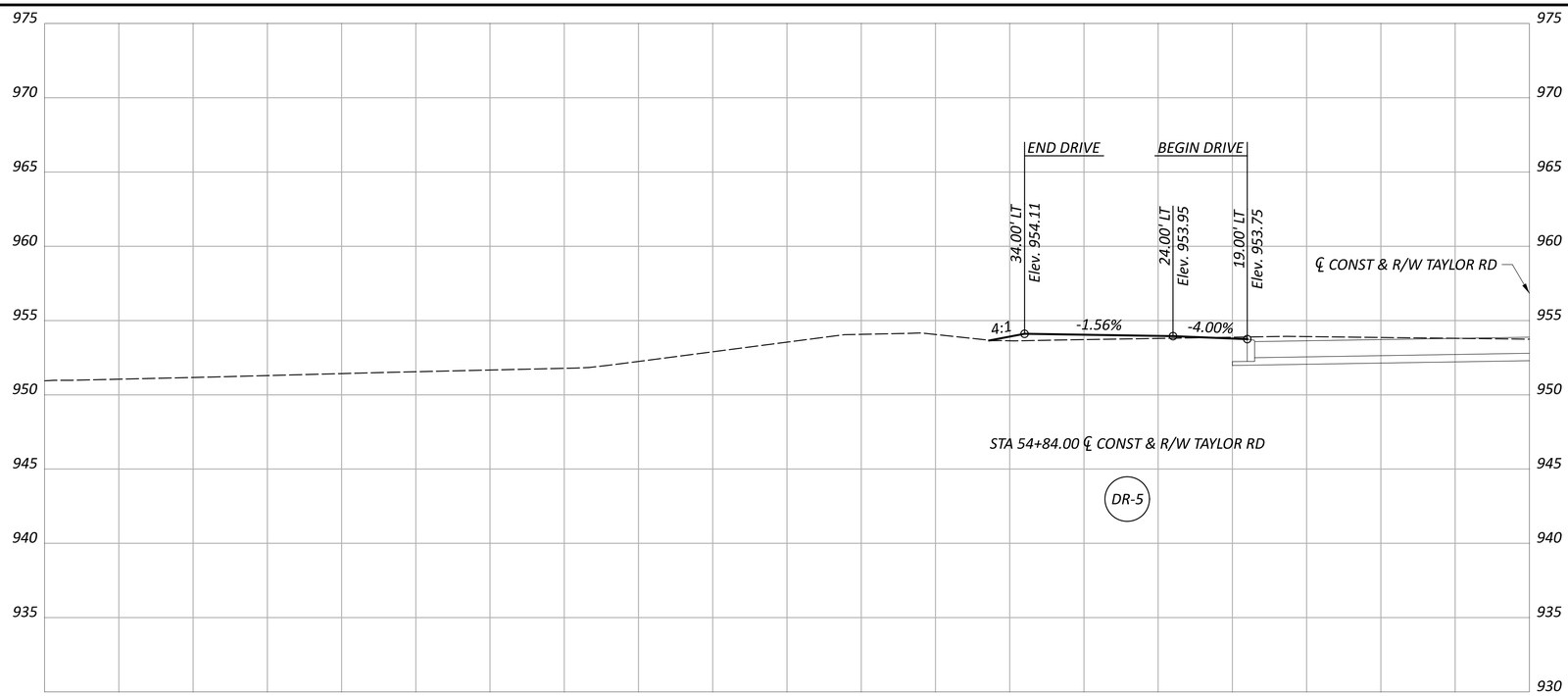
DESIGN AGENCY
STRUCTUREPOINT

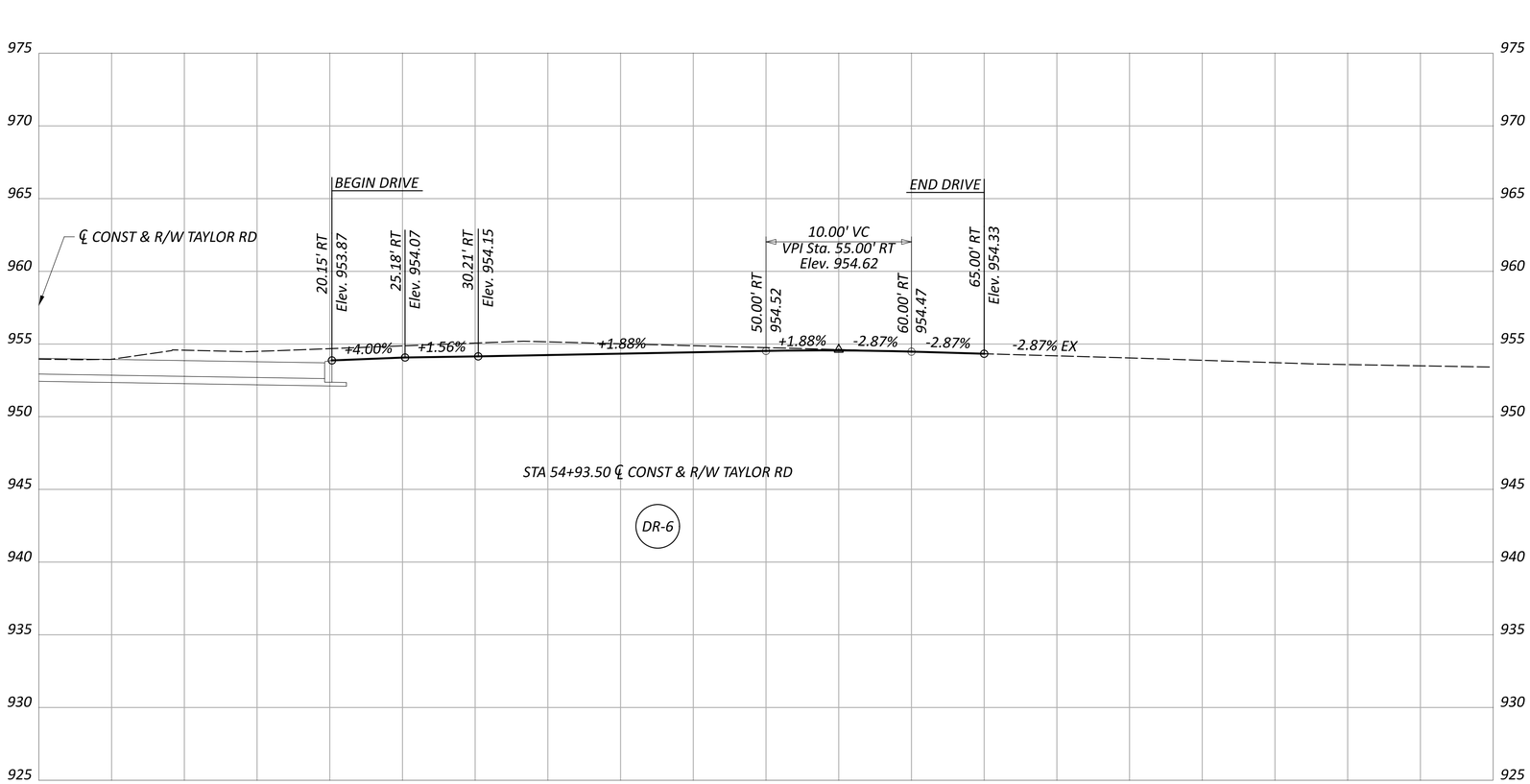
DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1015 TOTAL P.1556





DRIVE PROFILE SHEET
DR-5 & DR-6

FAI/LIC-IR 70-0.00/0.00

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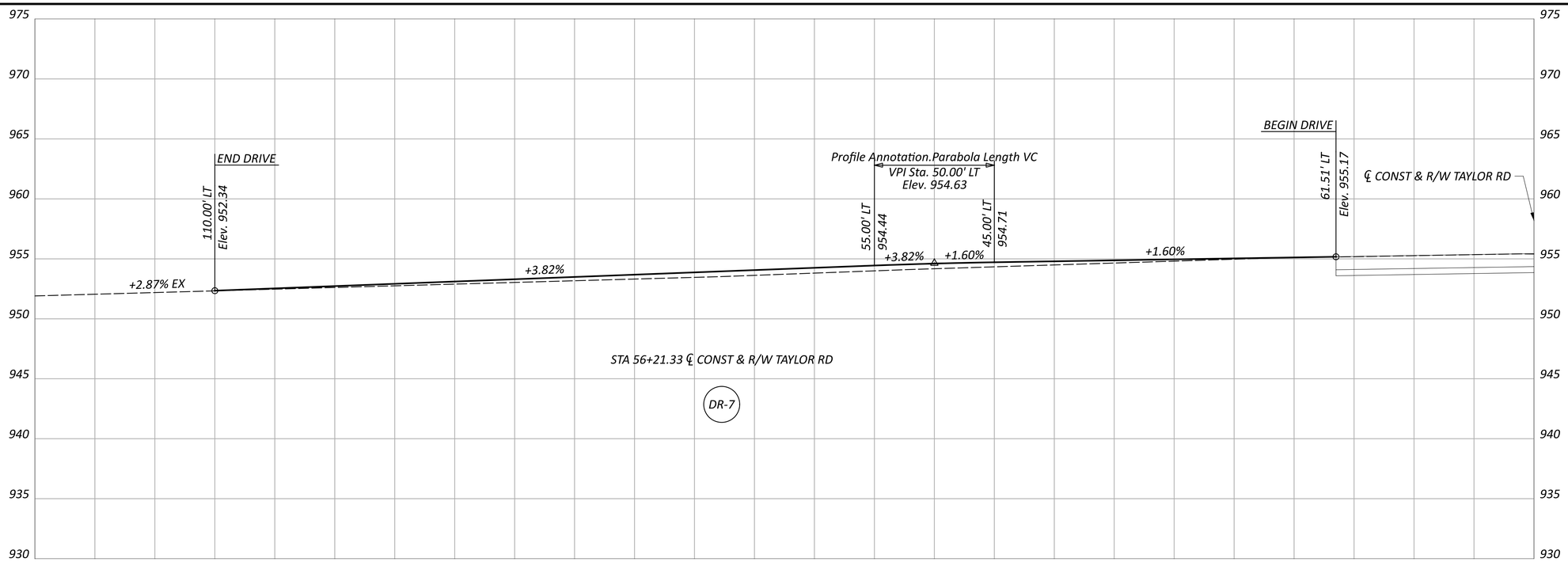
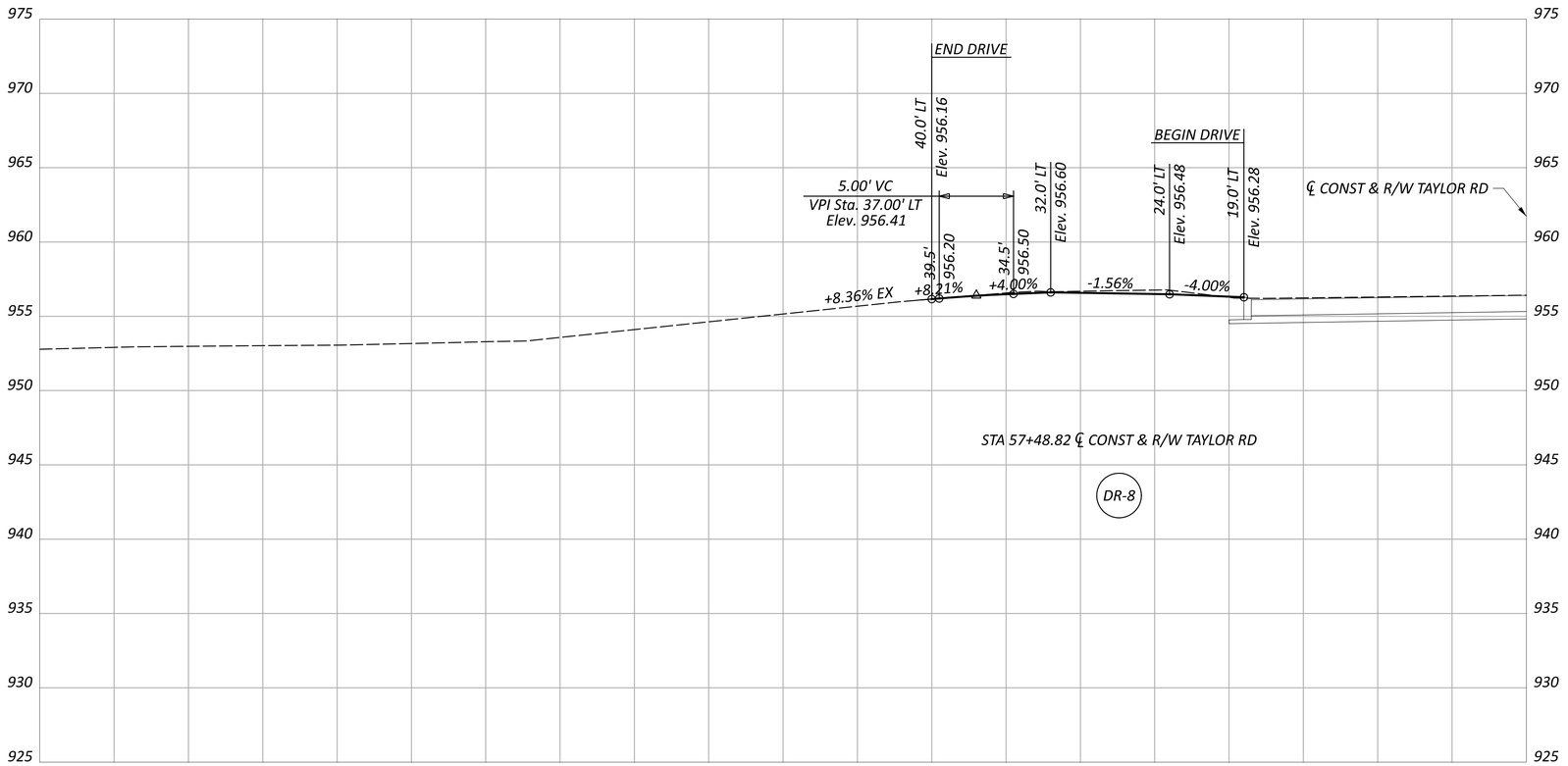
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1016
TOTAL	P.1556





DRIVE PROFILE SHEET
DR-7 & DR-8

FAI/LIC-IR 70-0.00/0.00

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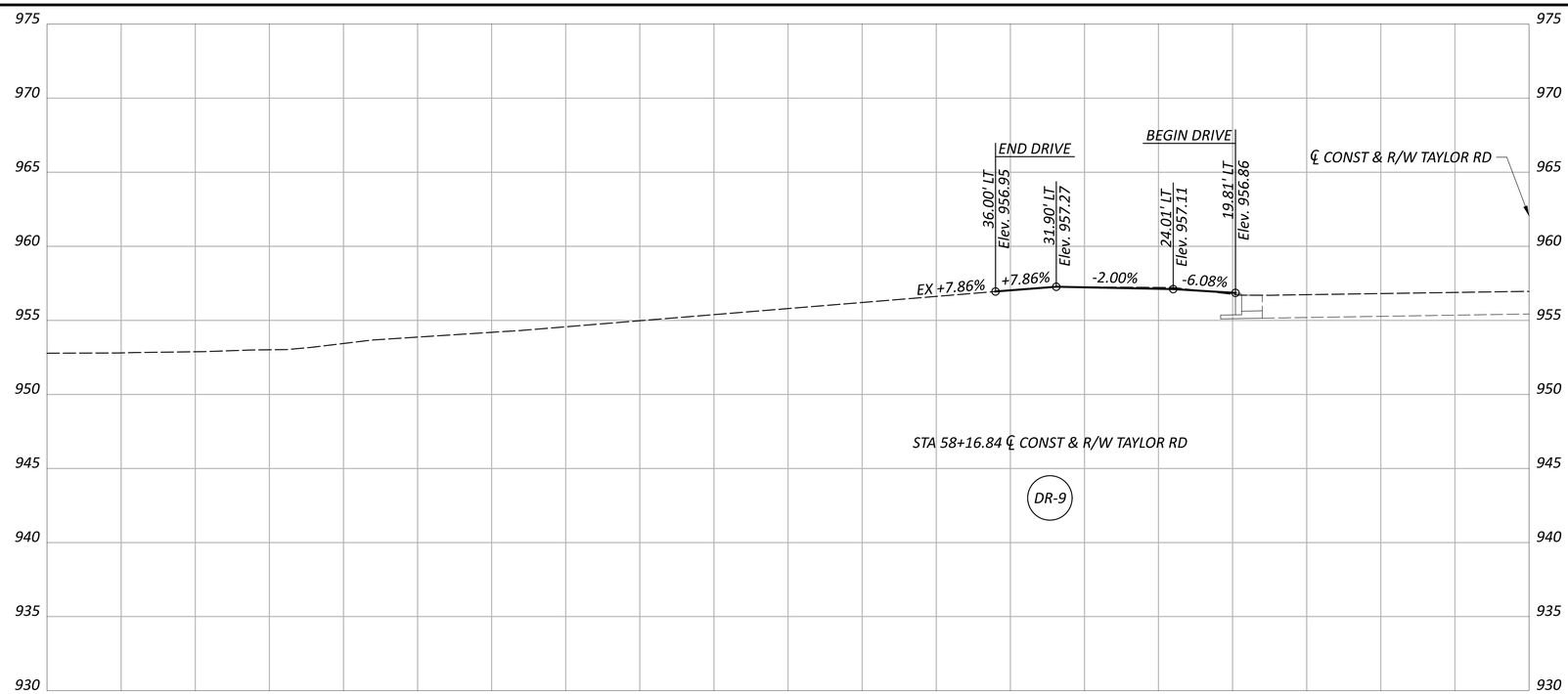
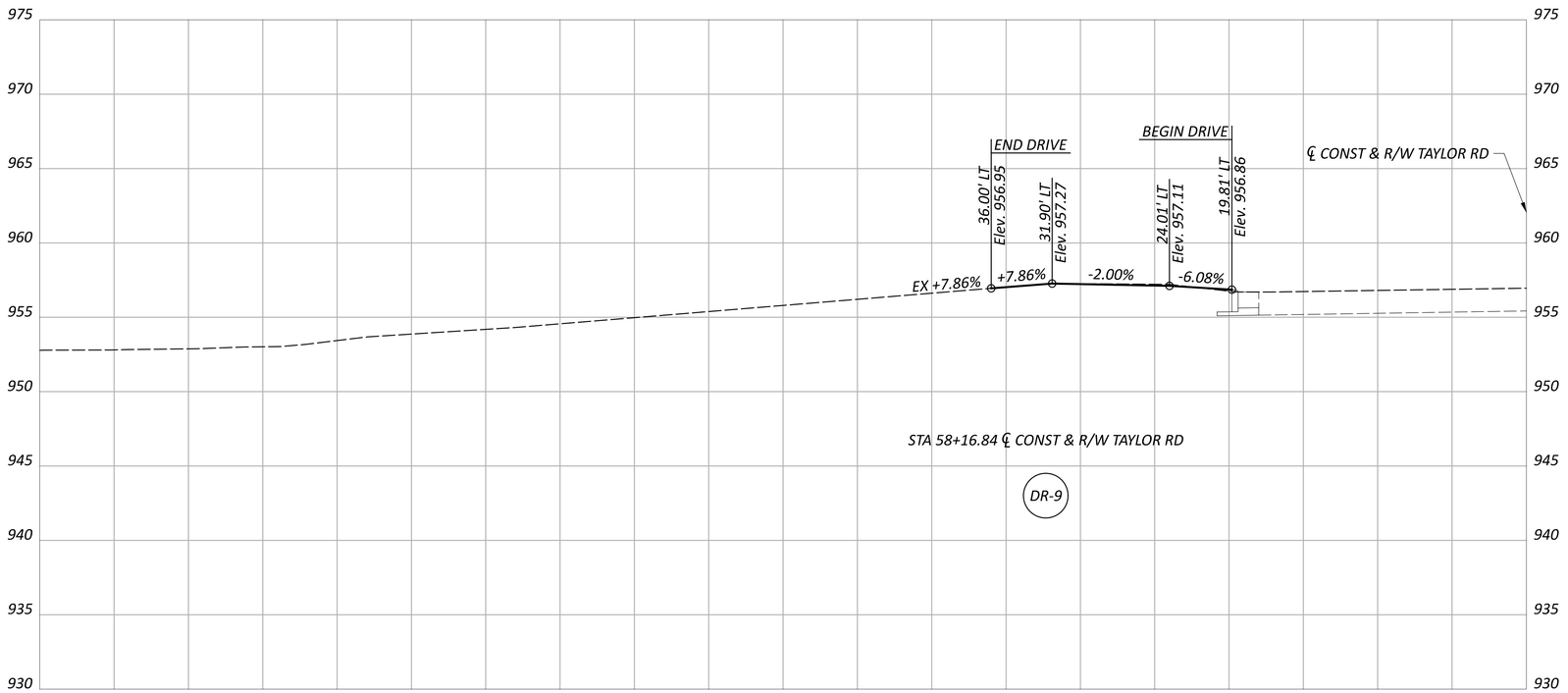
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1017
TOTAL	P.1556





DRIVE PROFILE SHEET
DR-9 & DR-10

FAI/LIC-IR 70-0.00/0.00

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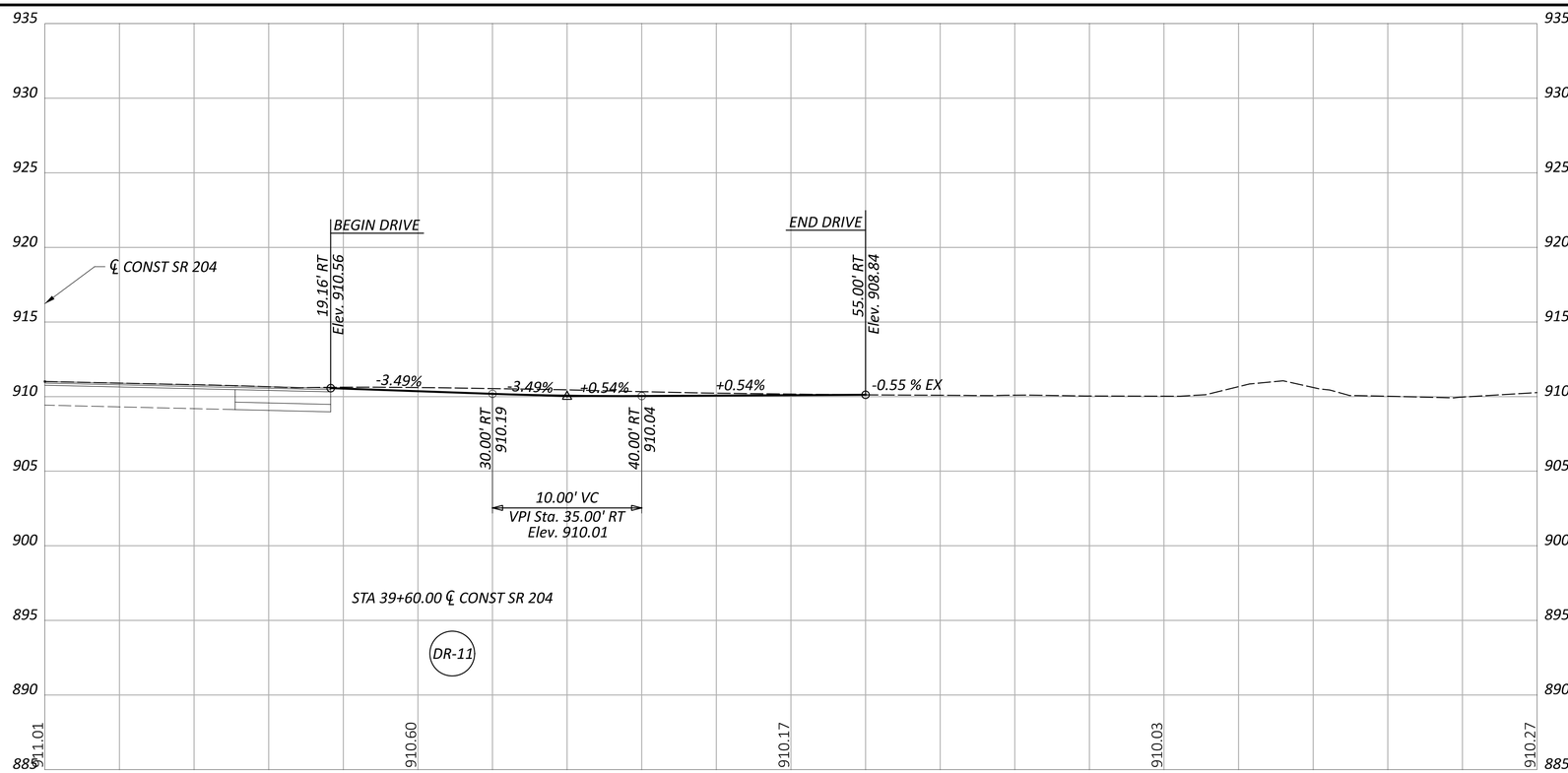
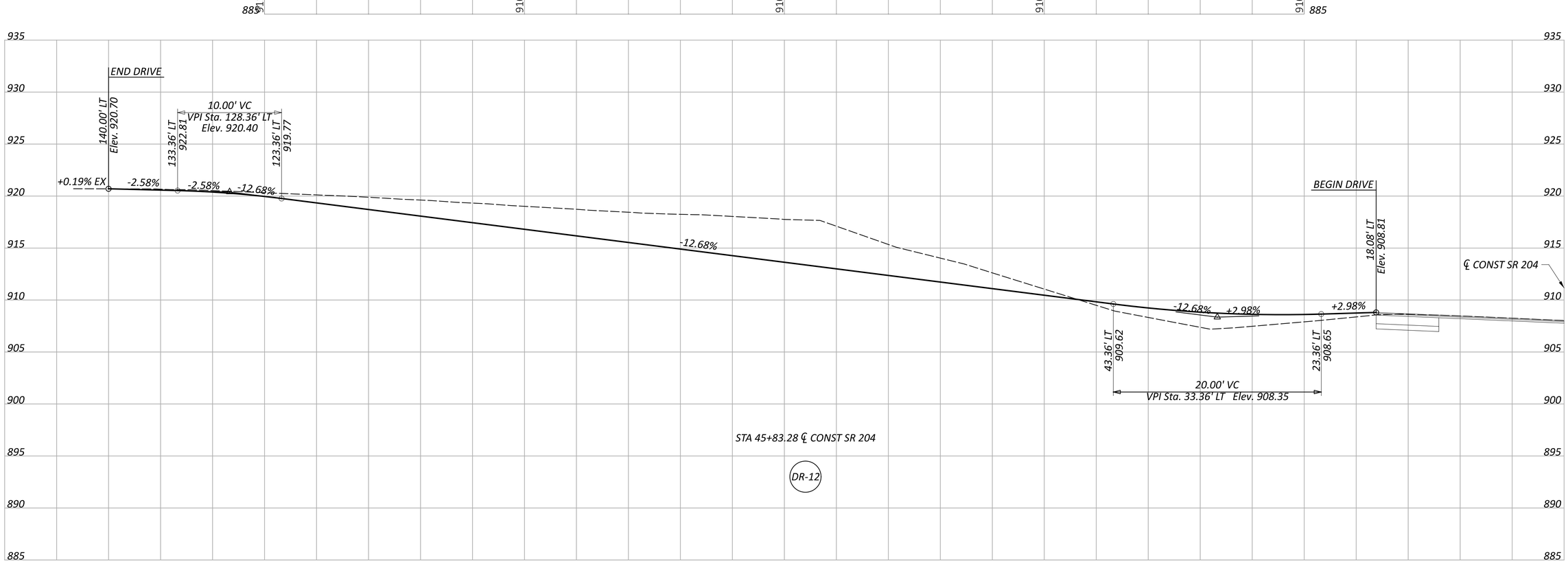
DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1018
TOTAL	P.1556





DRIVE PROFILE SHEET
DR-11 & DR-12

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1019 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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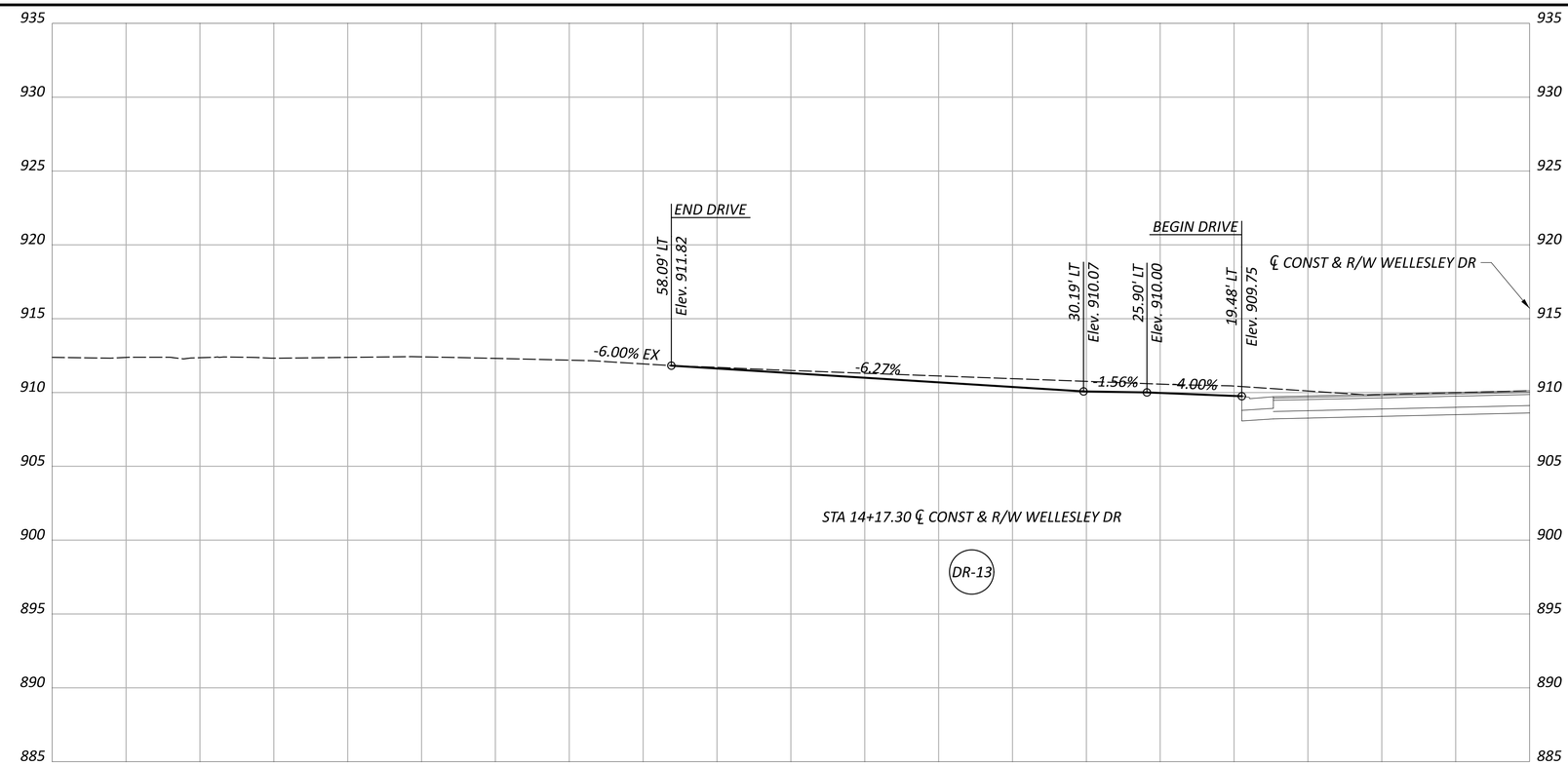

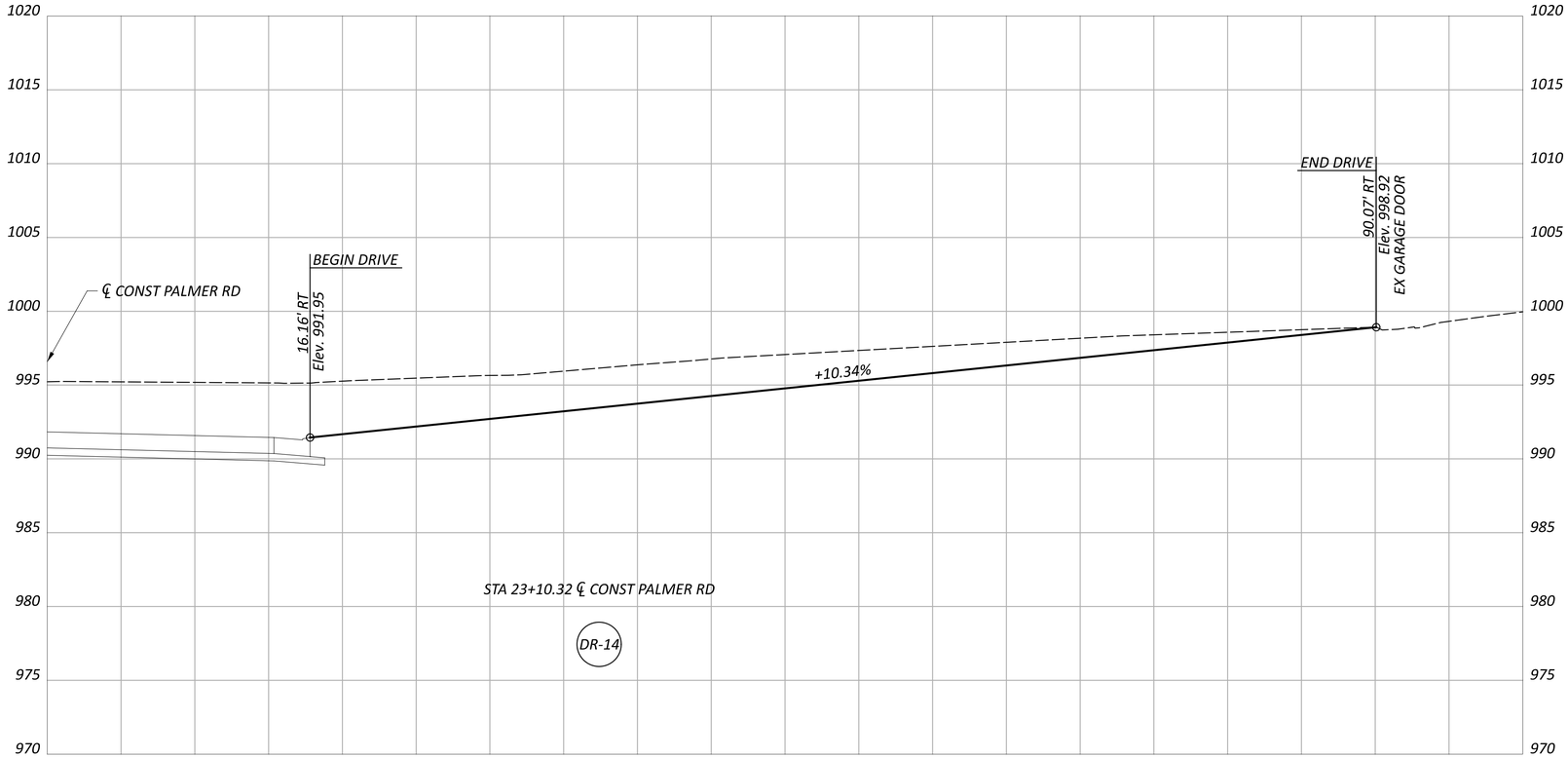

DRIVE PROFILE SHEET
DR-13 & DR-14

FAI/LIC-IR 70-0.00/0.00

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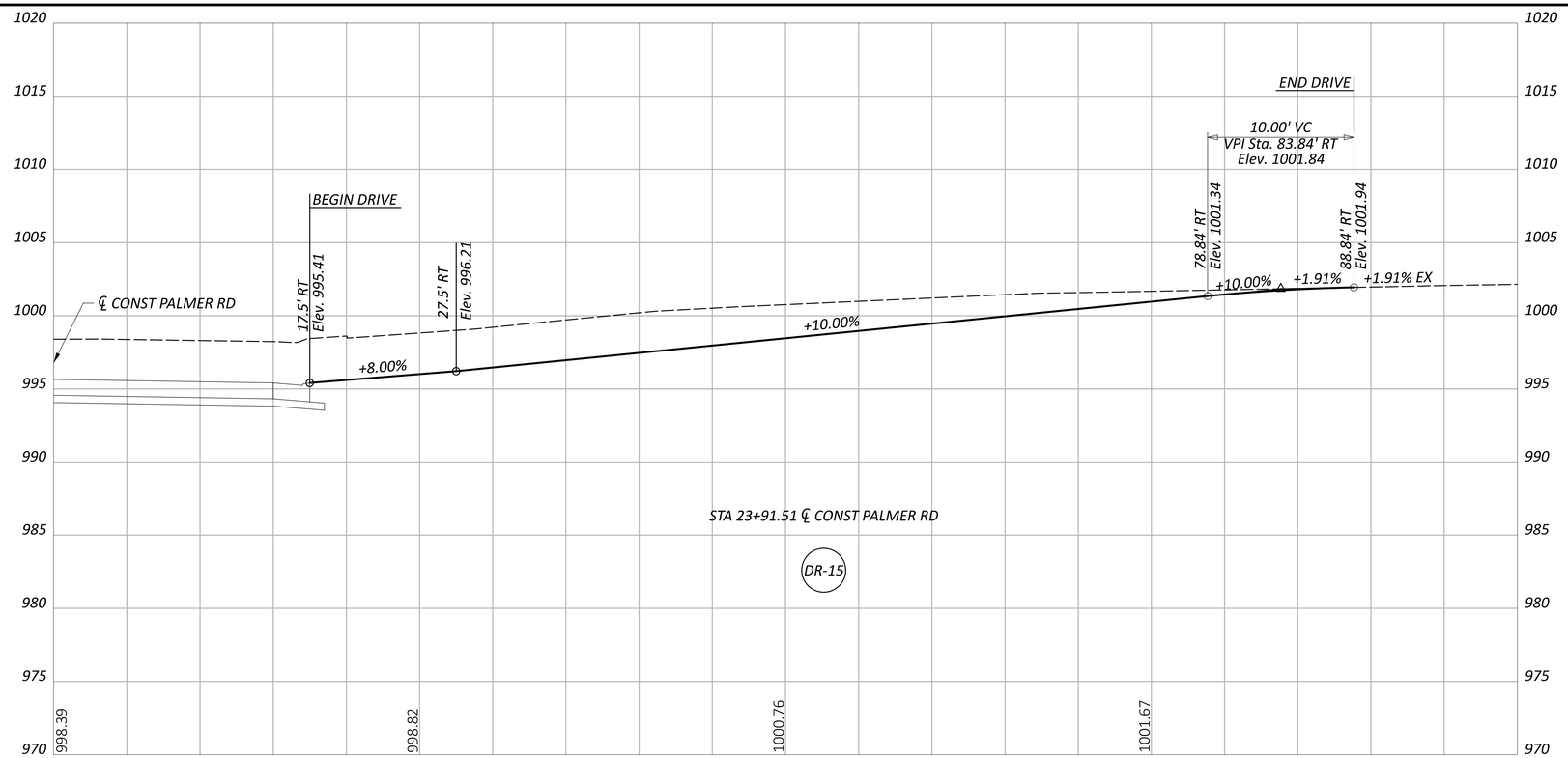
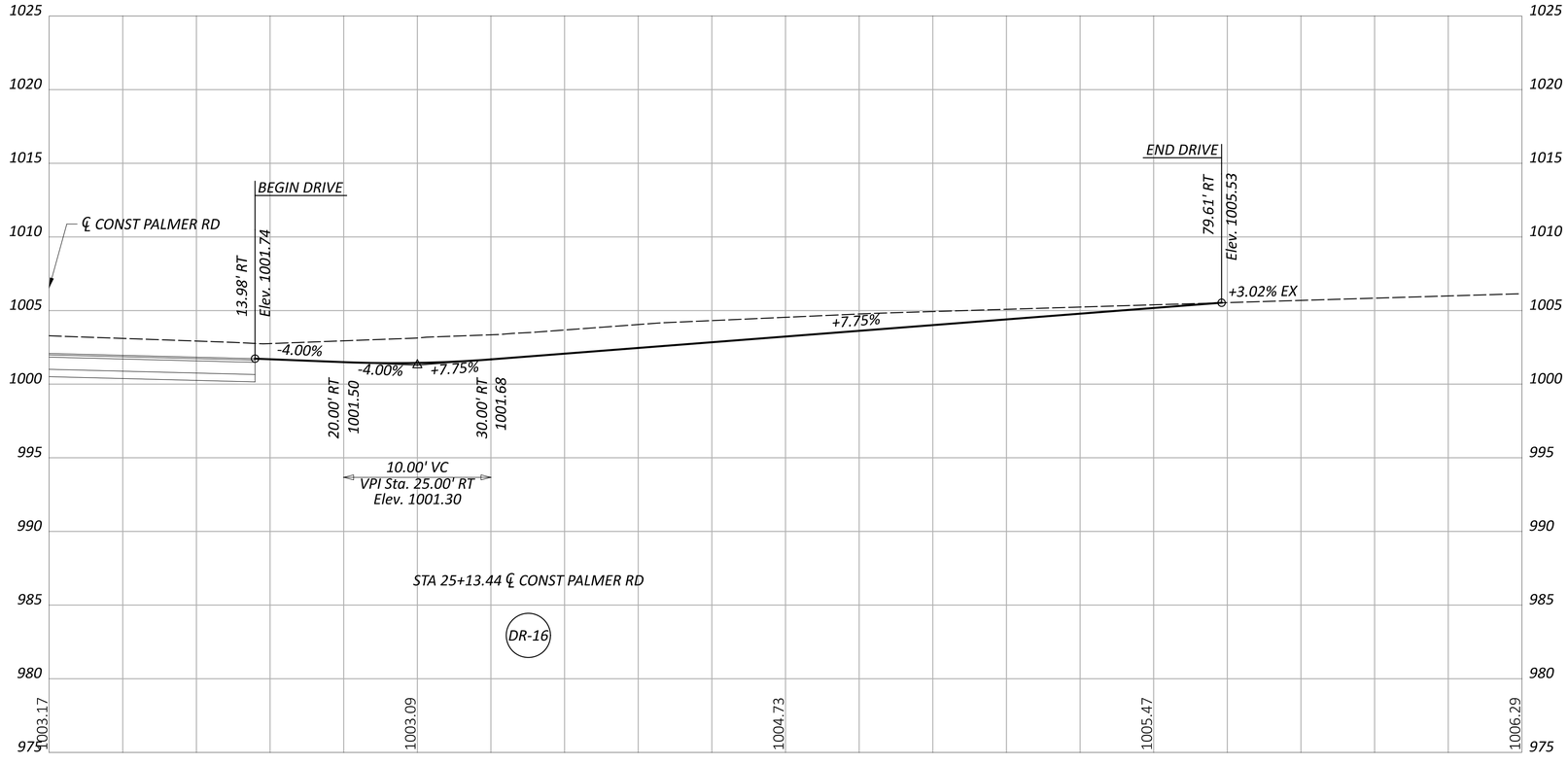
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1020
TOTAL	P.1556





DRIVE PROFILE SHEET
DR-15 & DR-16

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1021
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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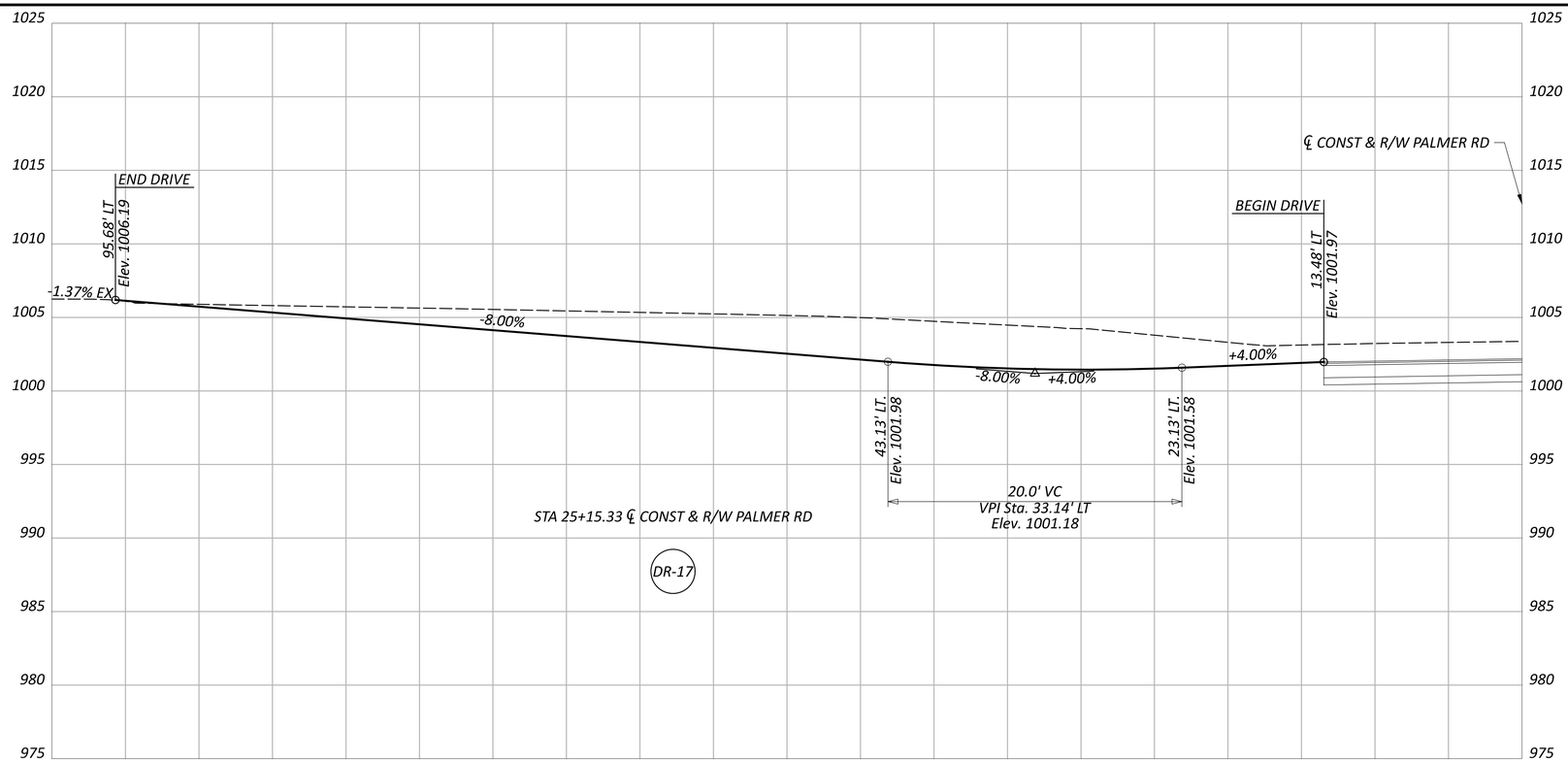

DRIVE PROFILE SHEET
DR-17 & DR-18

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1022 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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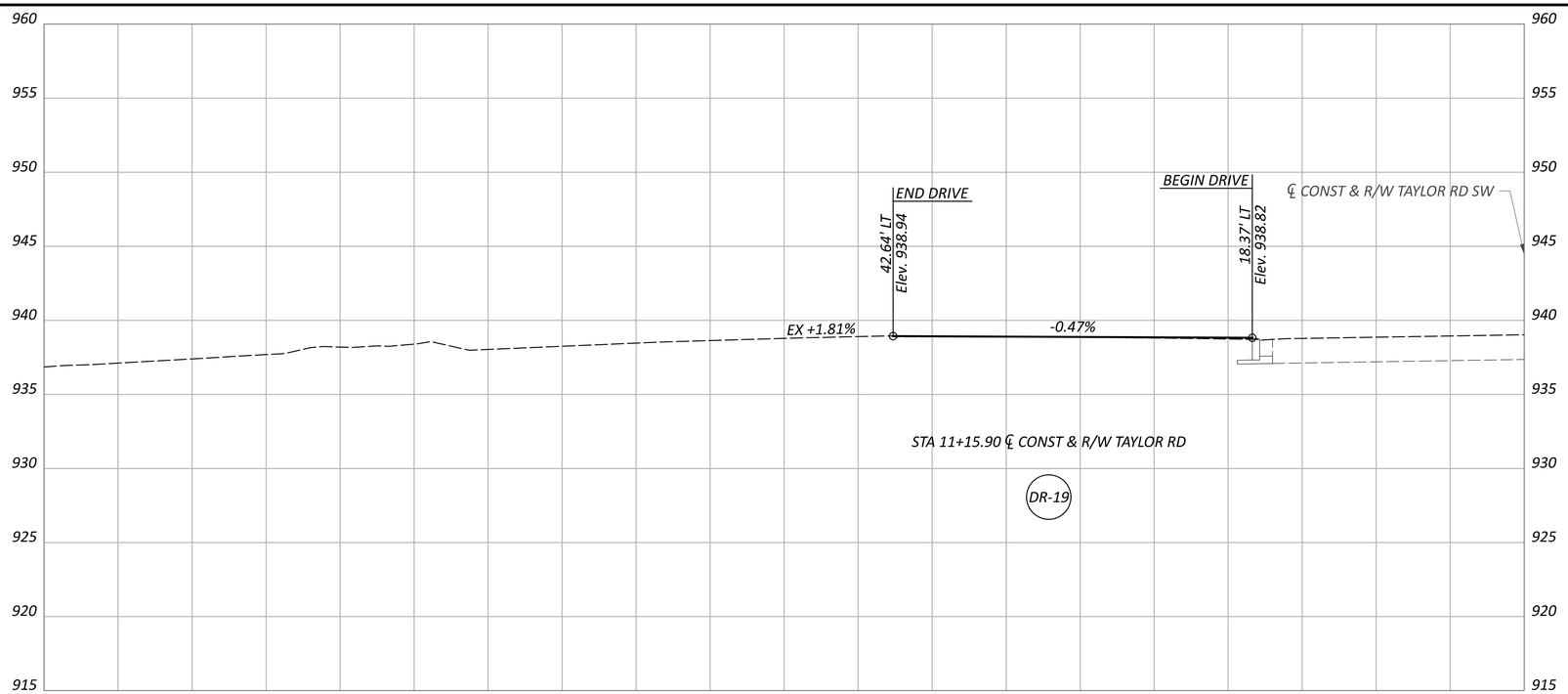

DRIVE PROFILE SHEET
DR-19

FAI/LIC-IR 70-0.00/0.00

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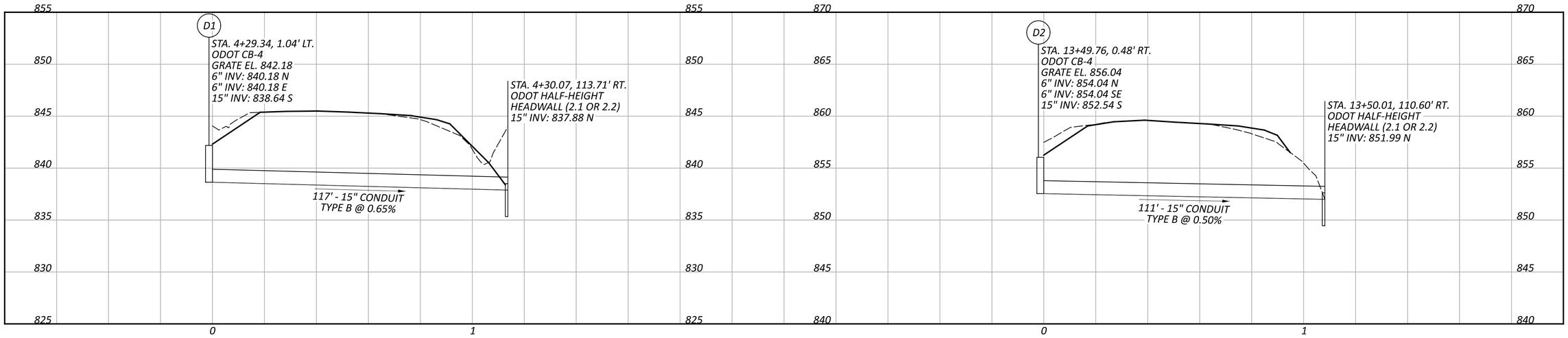
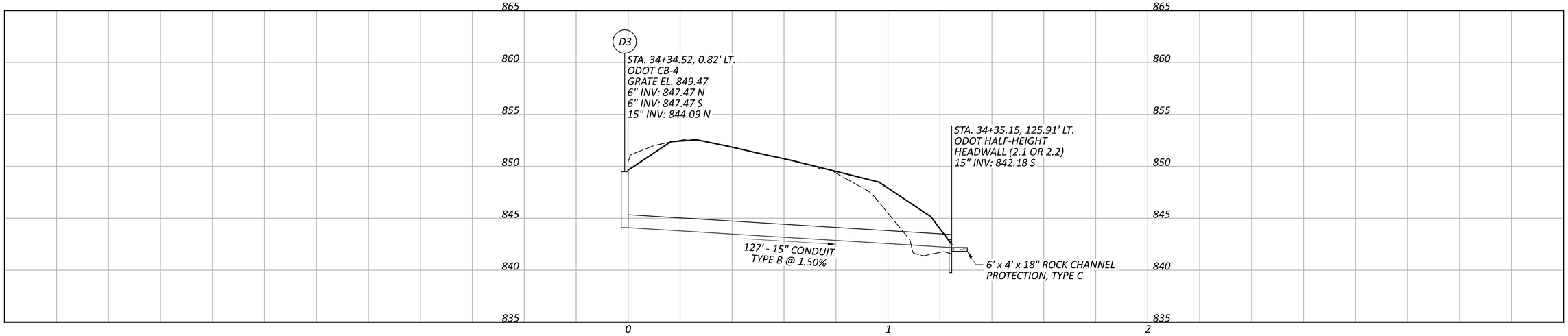
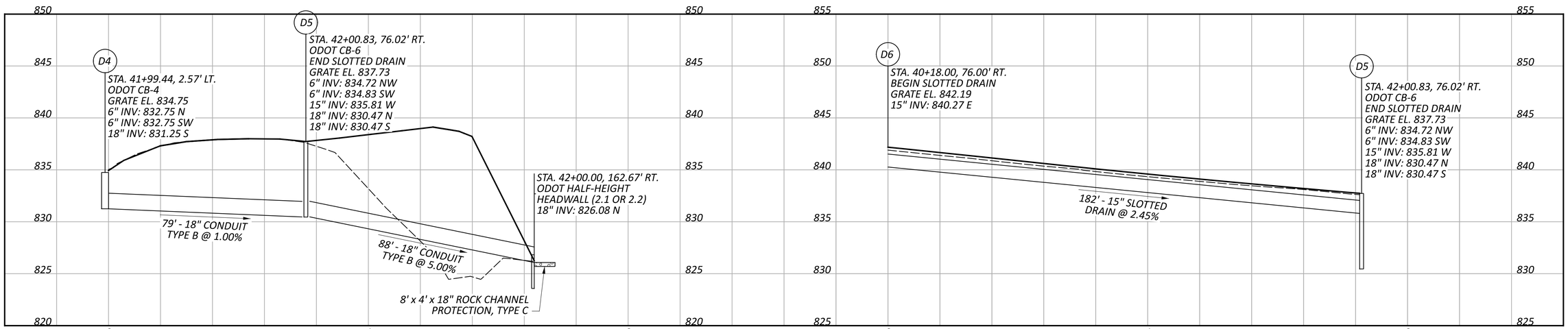
DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	KAM 04/25/25
PROJECT ID	96808
SHEET	P.1023
TOTAL	P.1556







STORM SEWER PROFILES
IR 70

FAI/LIC-IR 70-0.00/0.00

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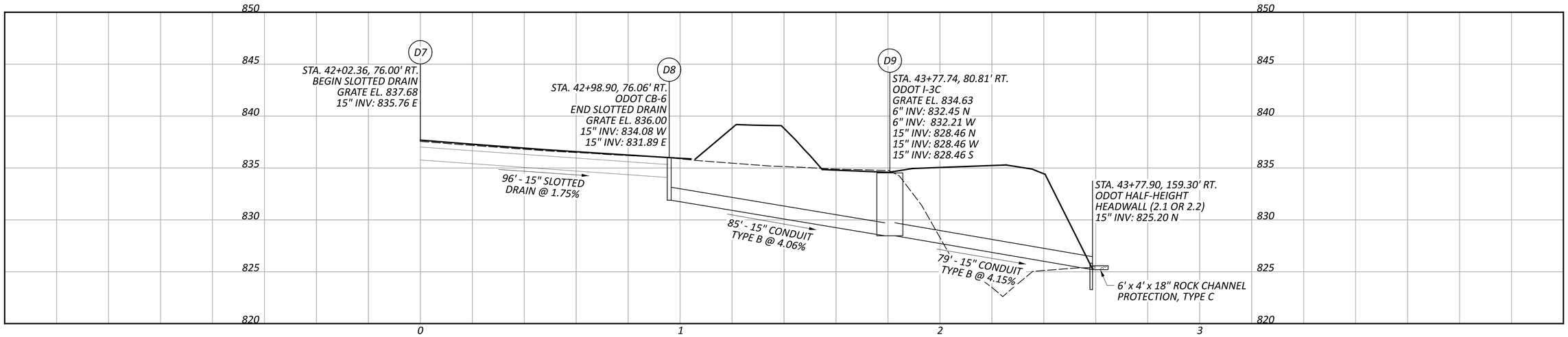
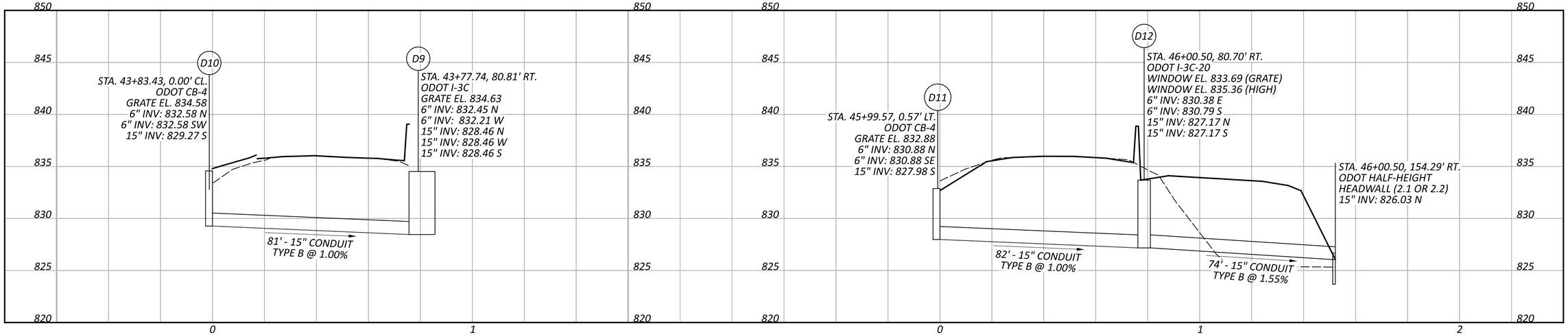
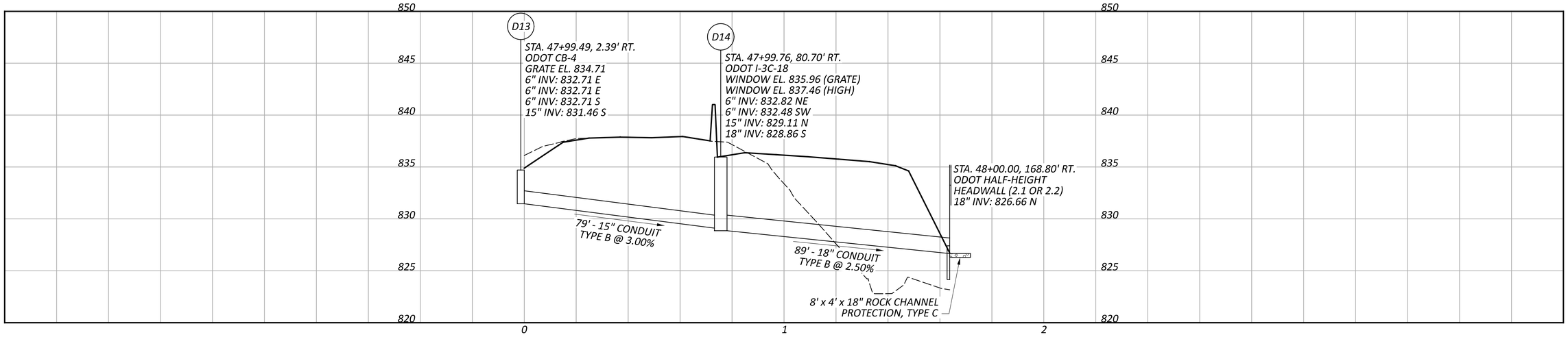
DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1024
TOTAL	P.1556

STORM SEWER PROFILES
IR 70







DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1025
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SHEET PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:25:44 PM USER: brieder
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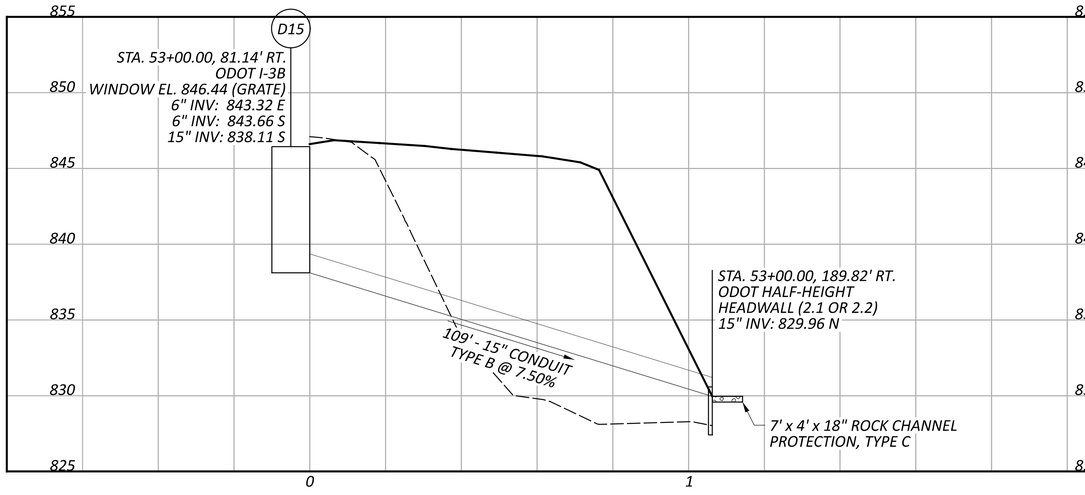

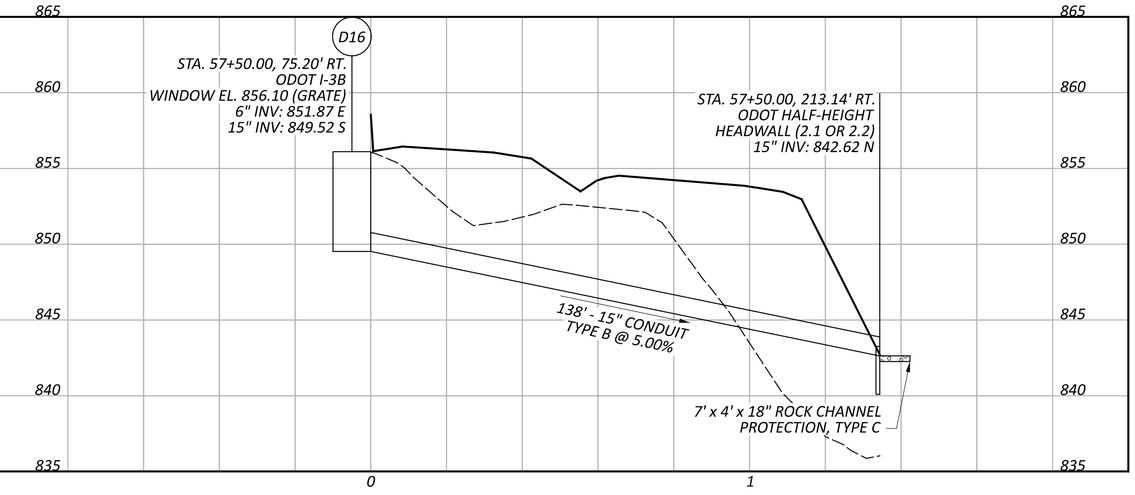

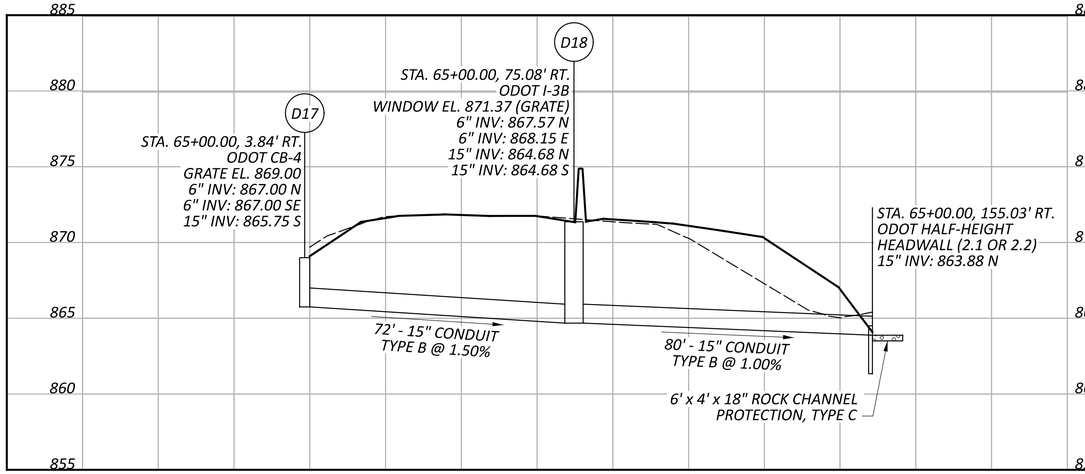

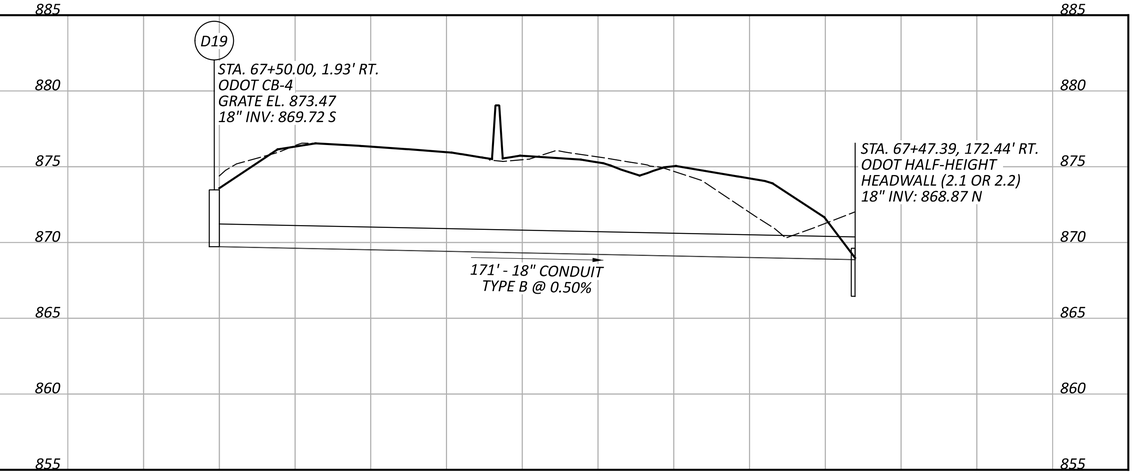

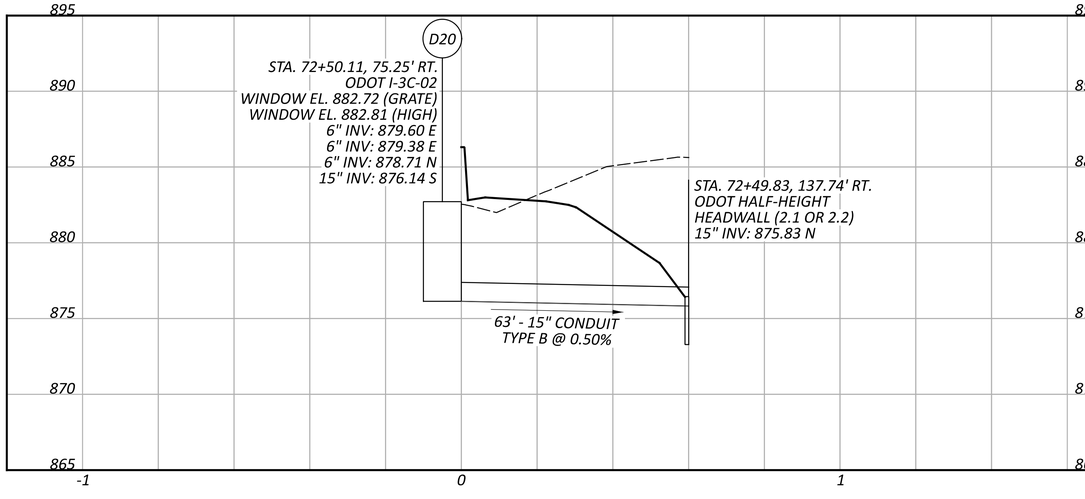

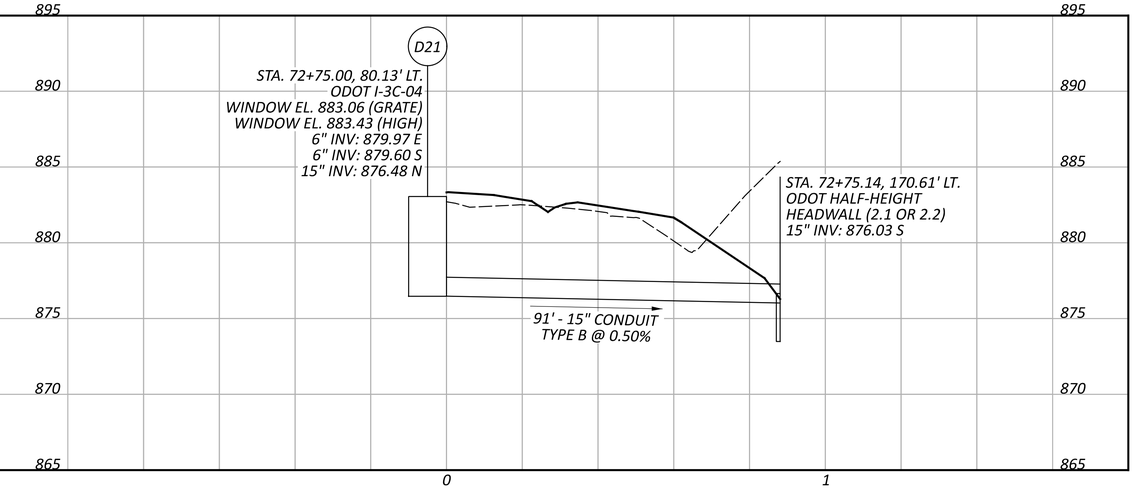

STORM SEWER PROFILES
IR 70

FAI/LIC-IR 70-0.00/0.00

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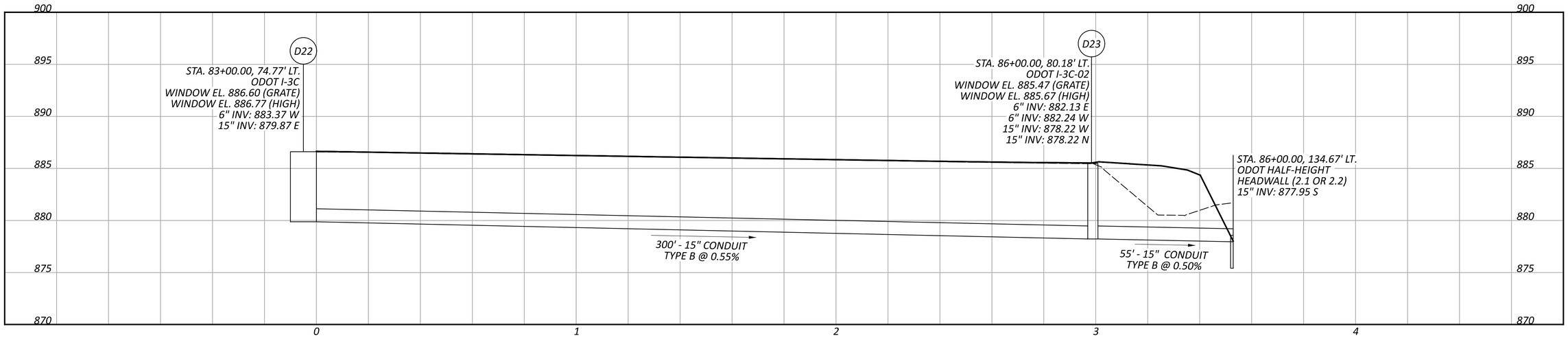
DESIGN AGENCY
CARPENTER MARTY transportation

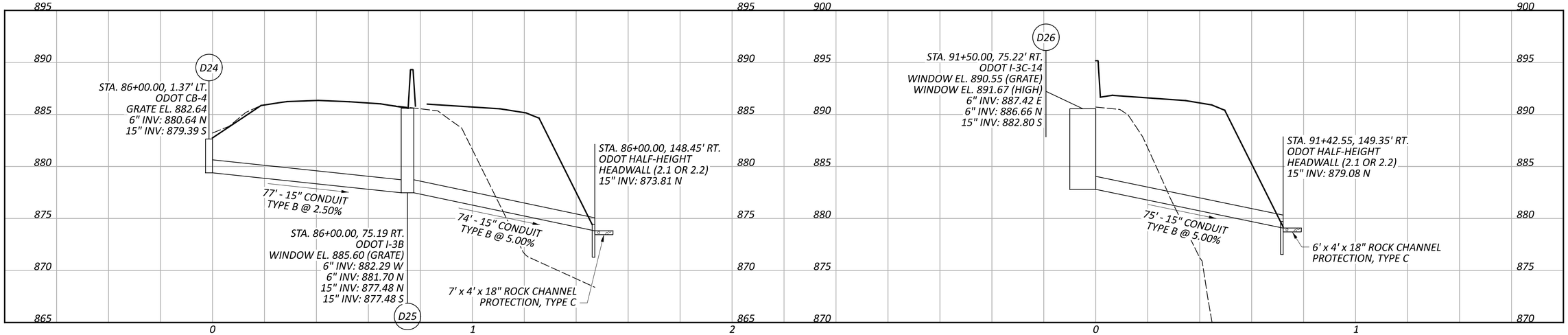
DESIGNER
CEF

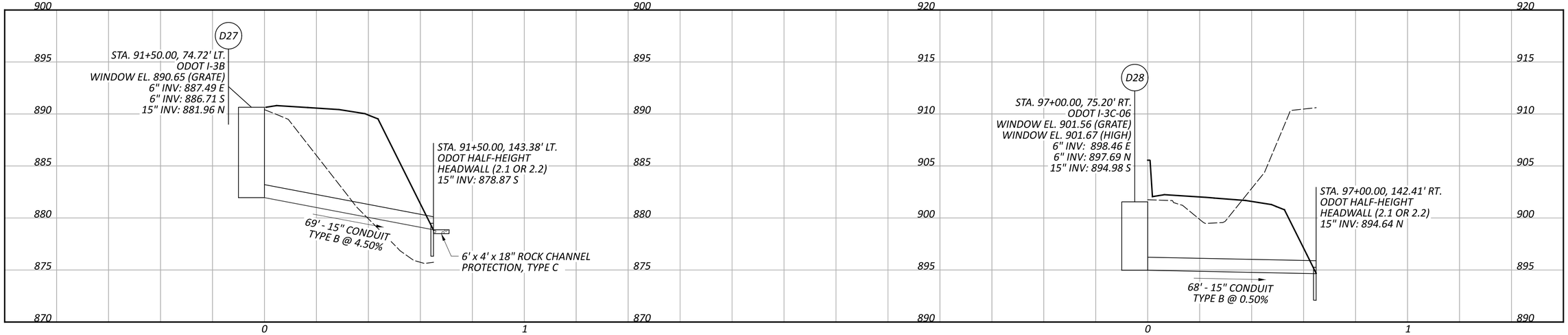
REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1026 | TOTAL P.1556







STORM SEWER PROFILES
IR 70

FAI/LIC-IR 70-0.00/0.00

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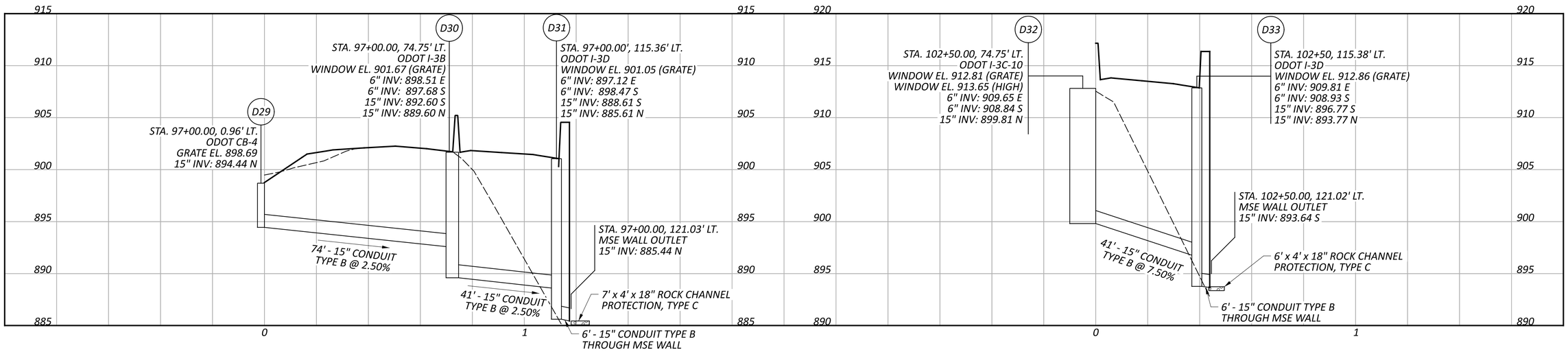
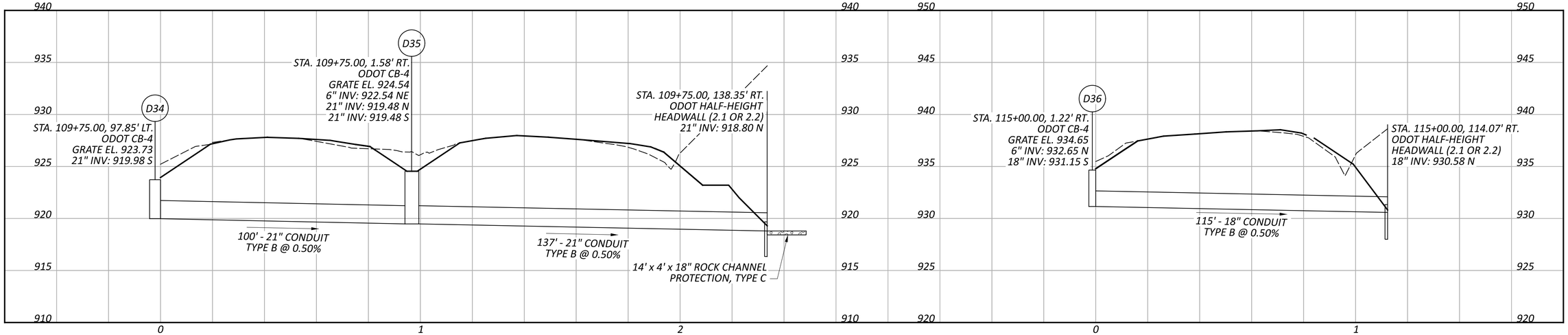
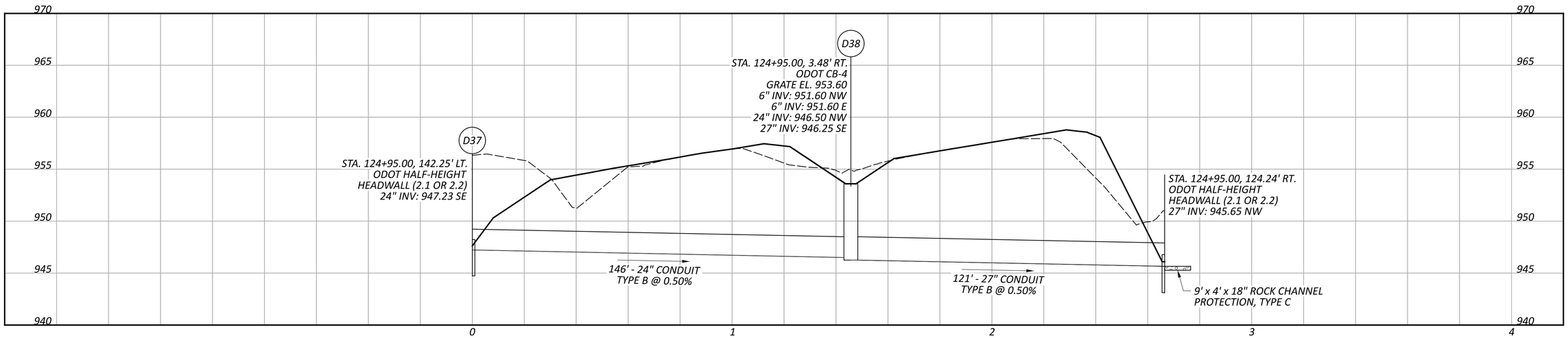
DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1027
TOTAL	P.1556







STORM SEWER PROFILES
IR 70

FAI/LIC-IR 70-0.00/0.00

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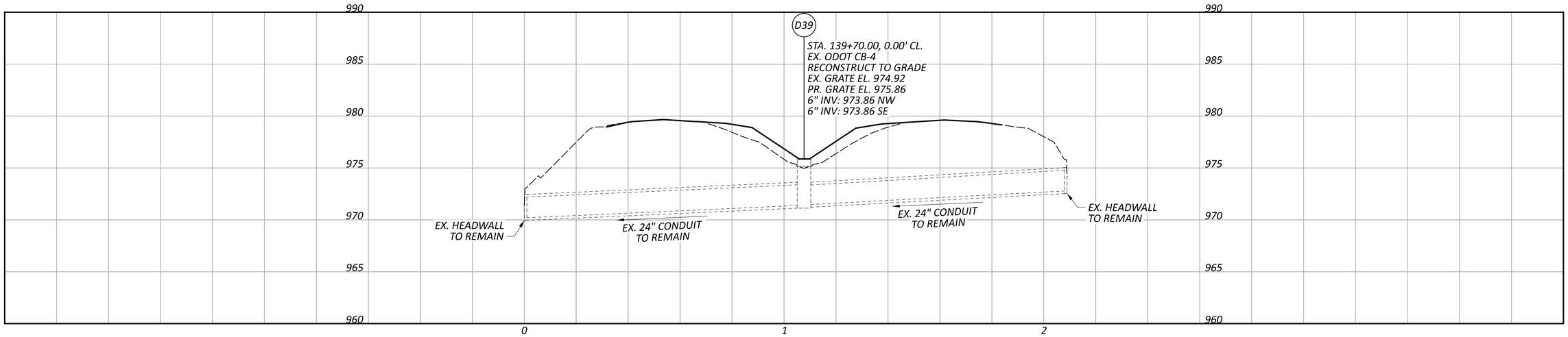
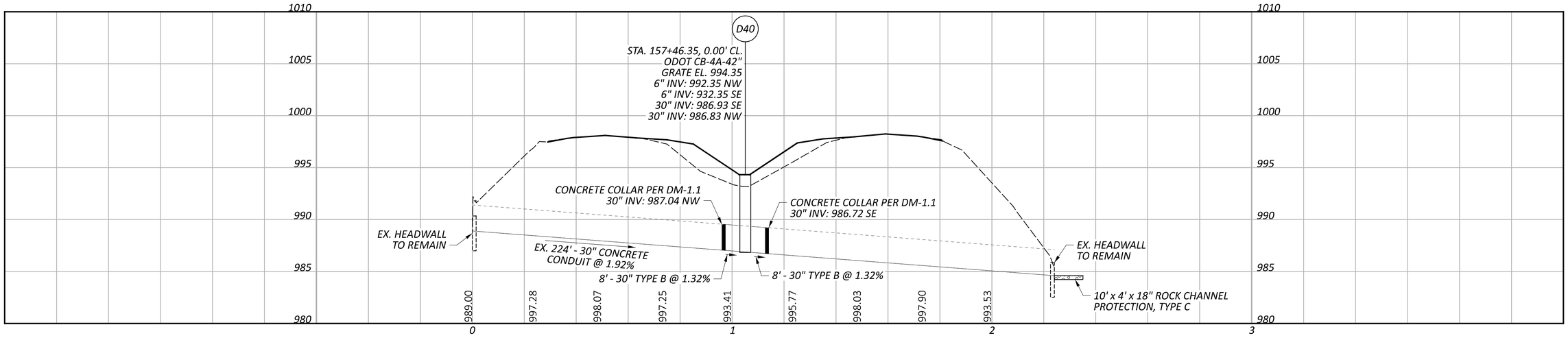
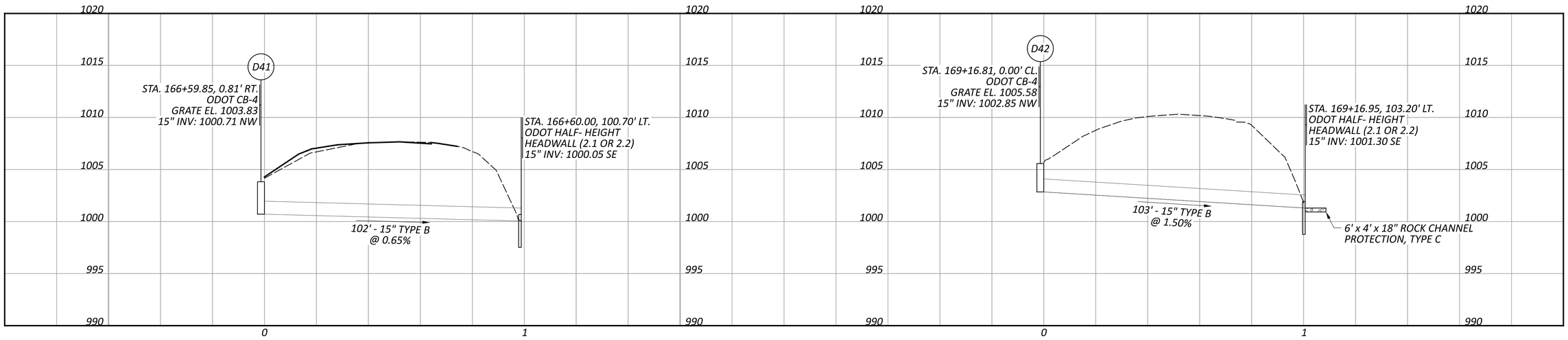
DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1028
TOTAL	P.1556







STORM SEWER PROFILES
IR 70

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1029
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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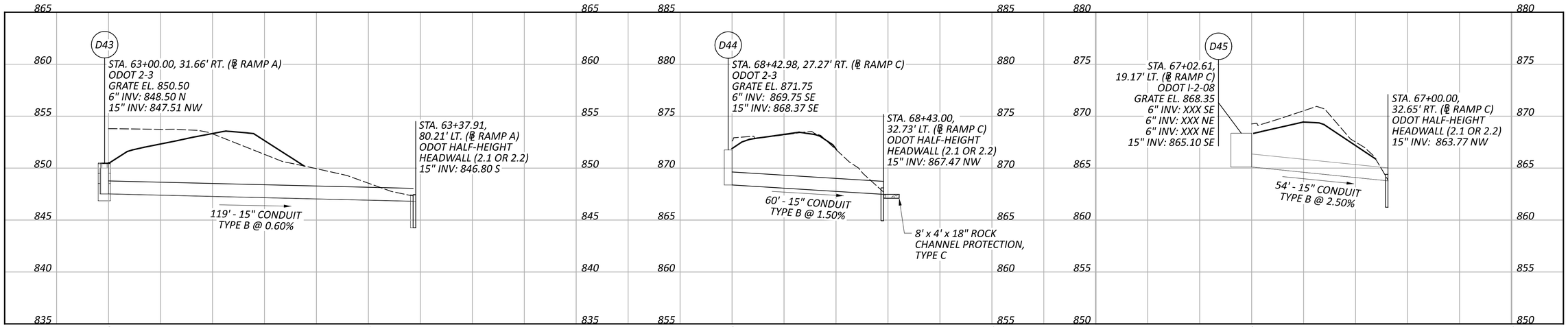

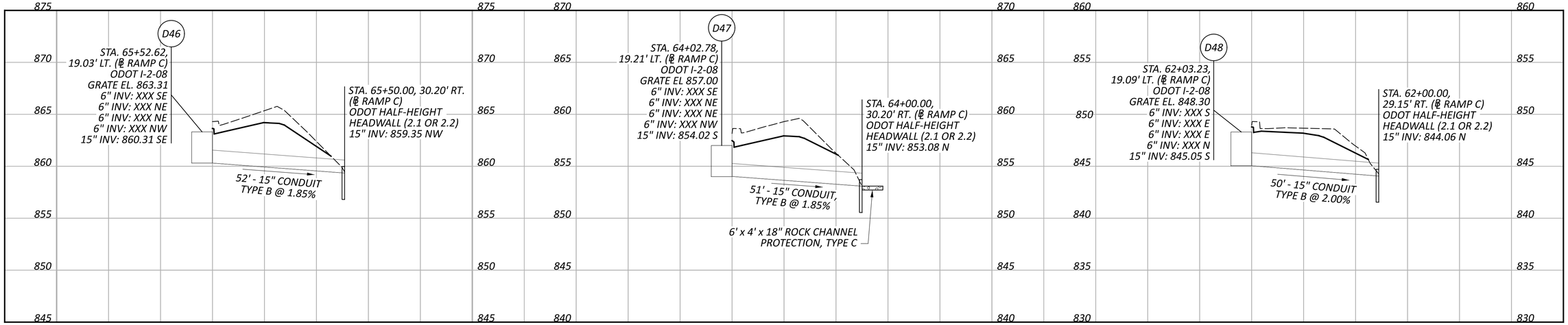

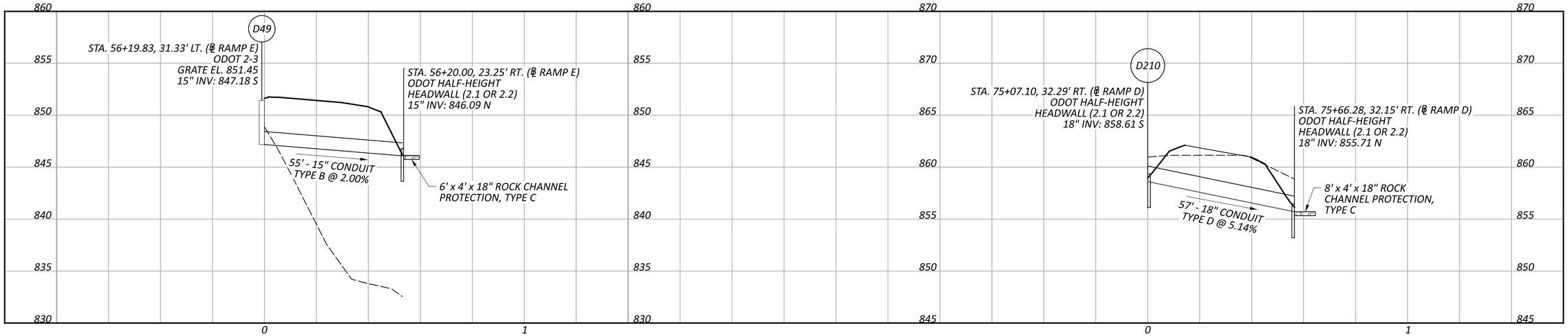

STORM SEWER PROFILES
INTERCHANGE RAMPS: SR 256

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER
CEF

REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1030 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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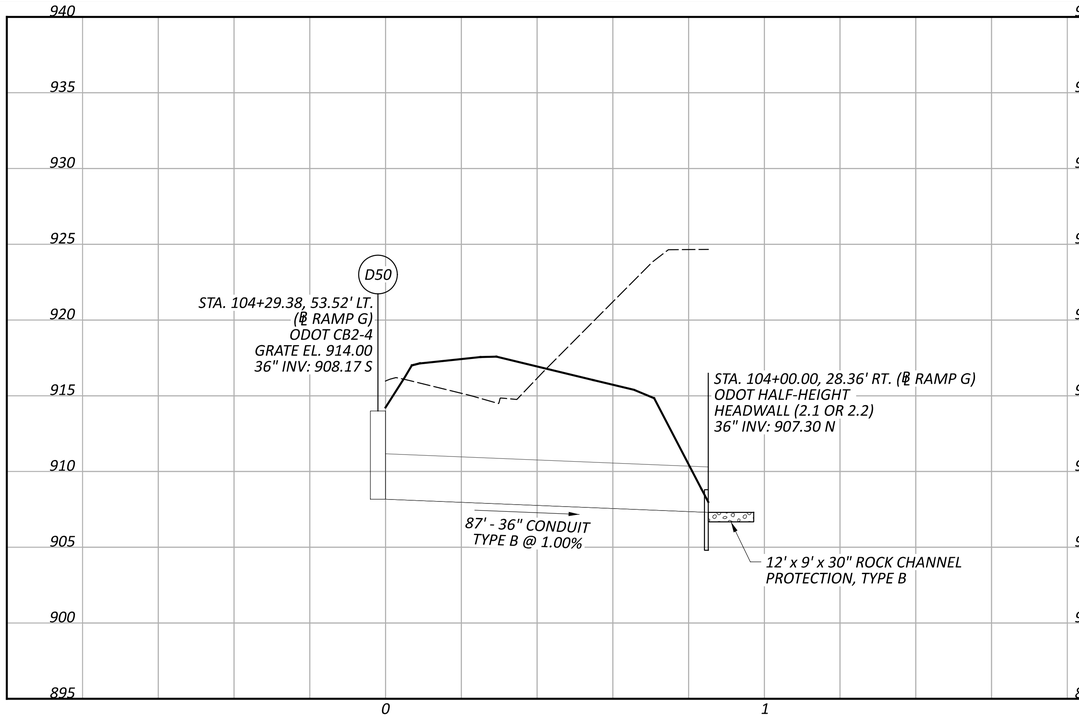

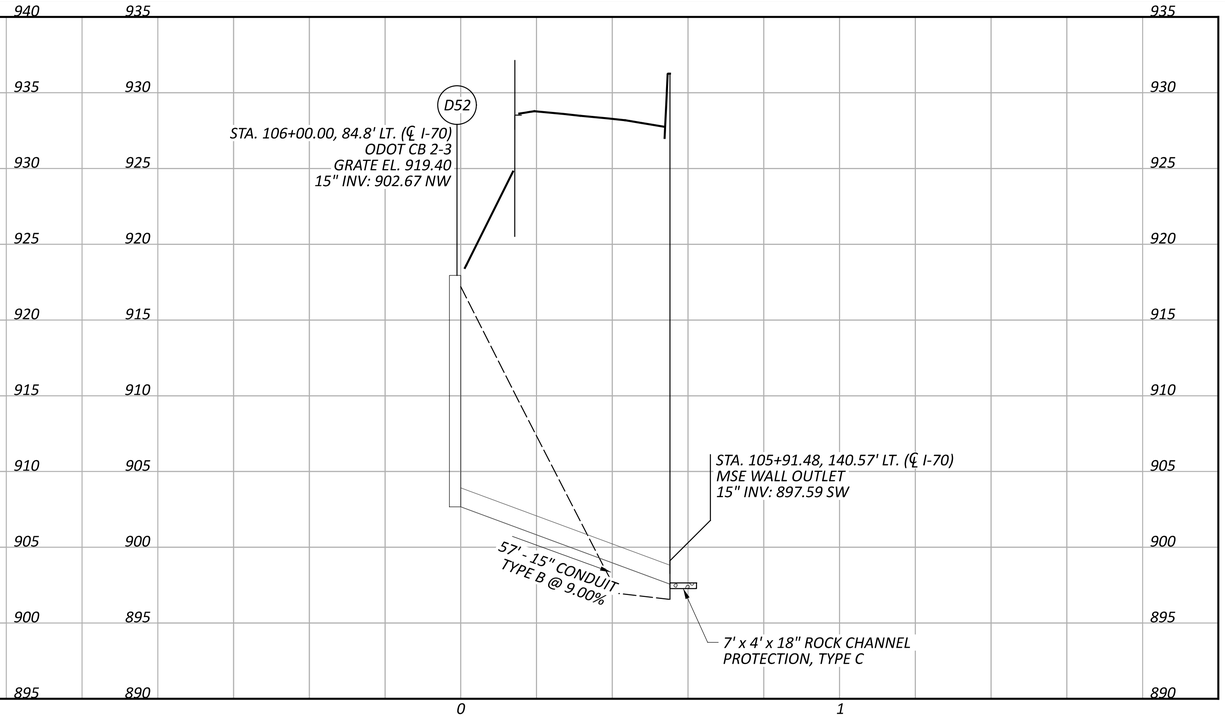

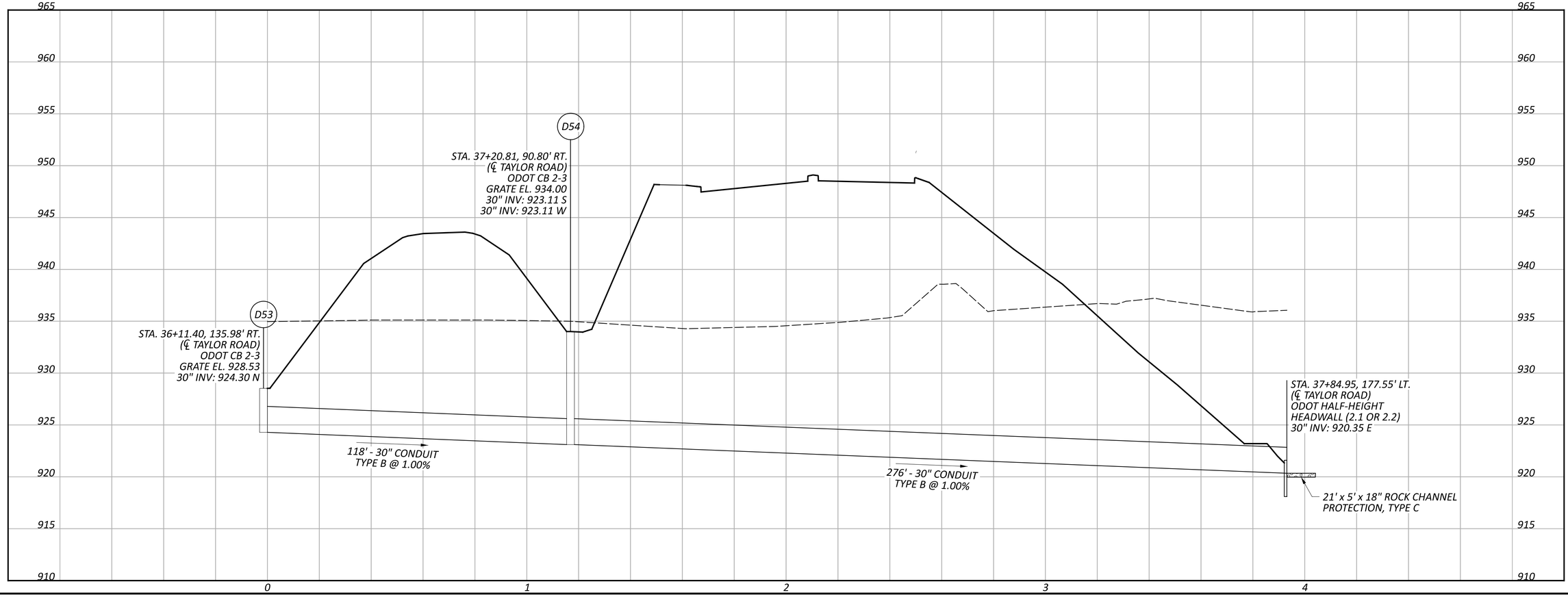

STORM SEWER PROFILES
INTERCHANGE RAMPS: TAYLOR ROAD

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1031
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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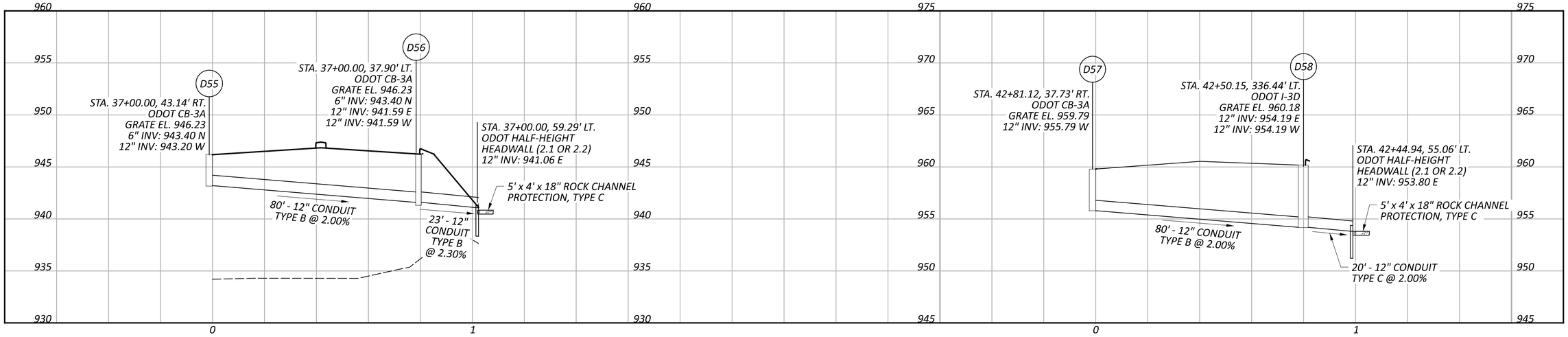

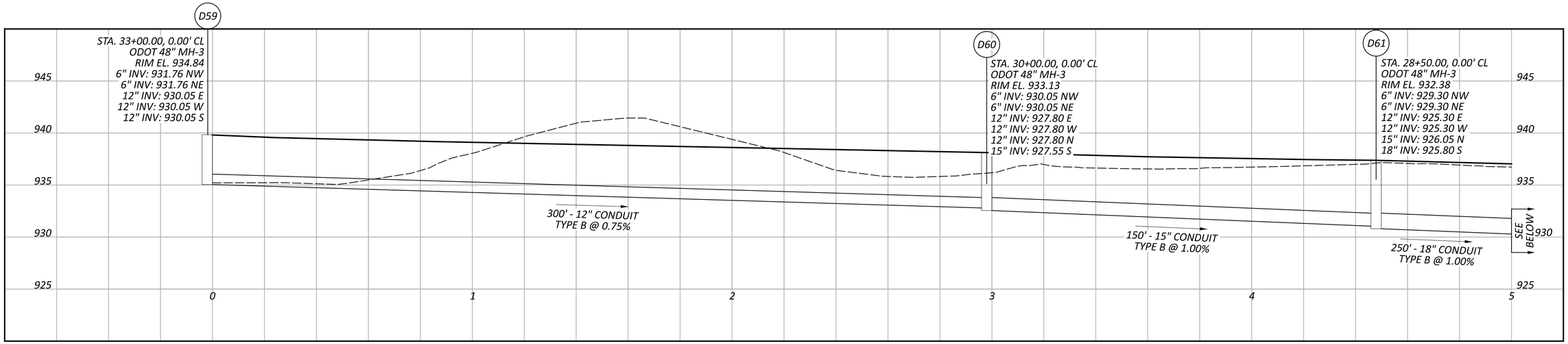

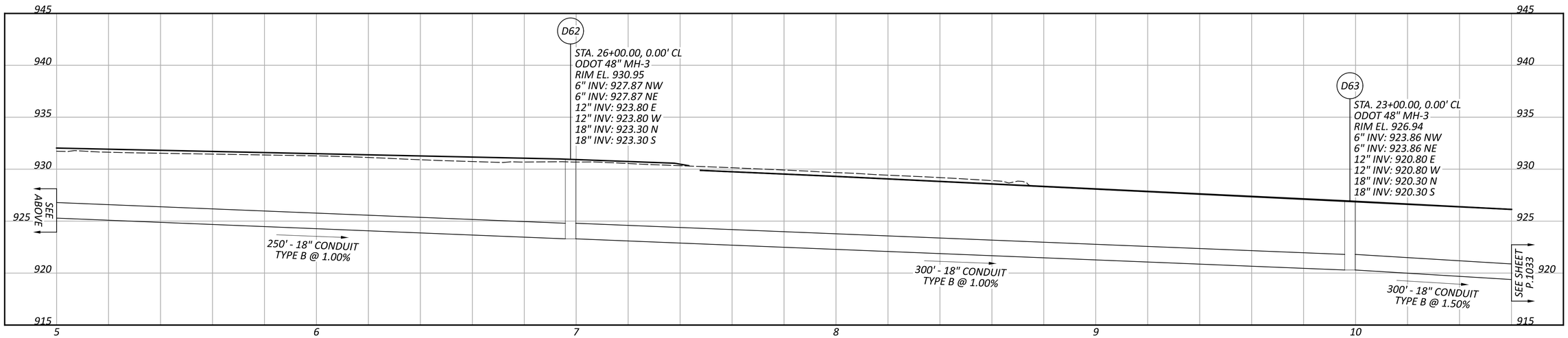

STORM SEWER PROFILES
TAYLOR ROAD

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER
CEF

REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1032 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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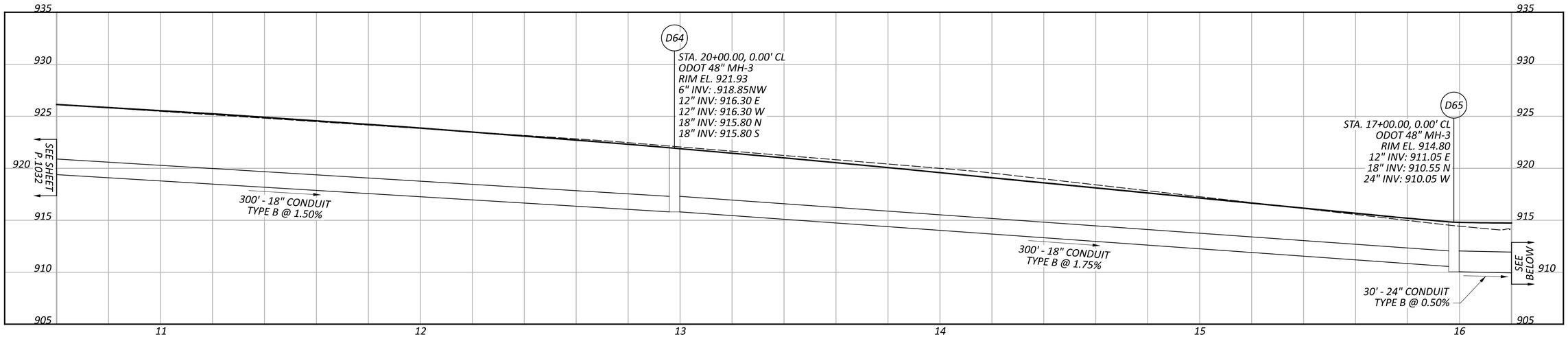
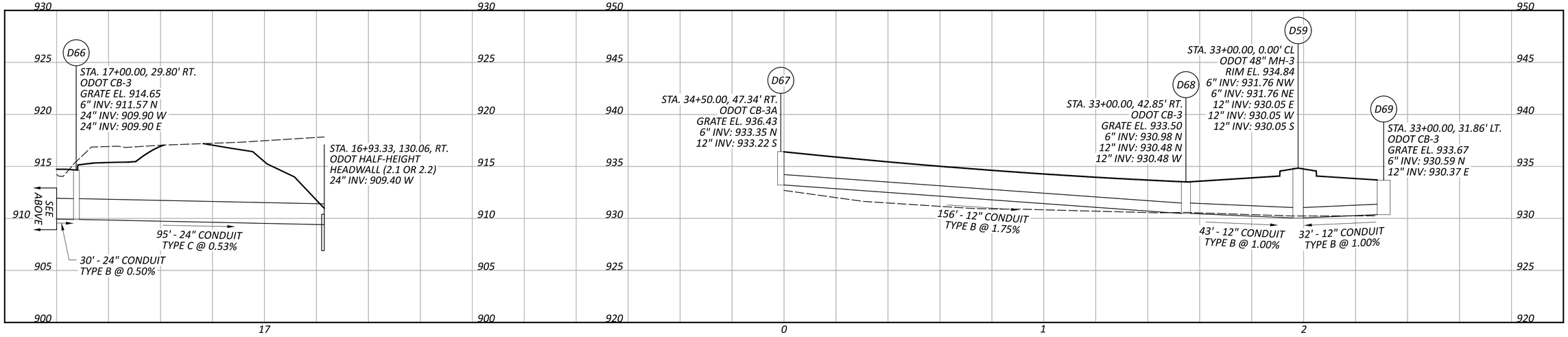
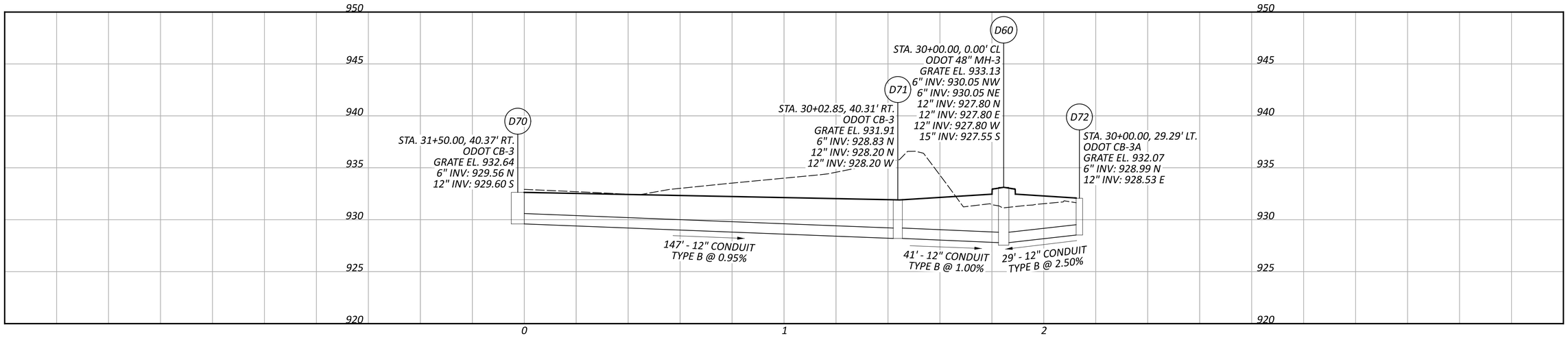
STORM SEWER PROFILES
TAYLOR ROAD







DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1033
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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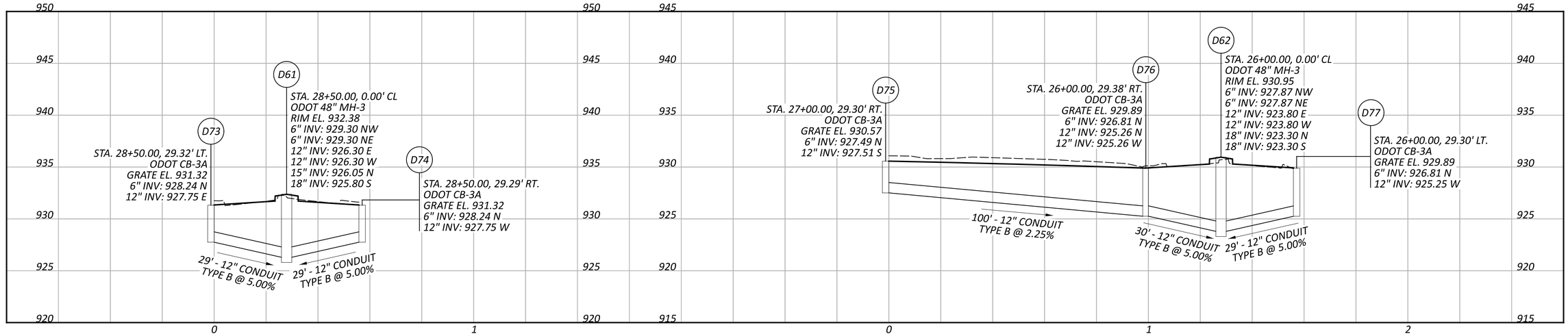

STORM SEWER PROFILES
TAYLOR ROAD

FAI/LIC-IR 70-0.00/0.00

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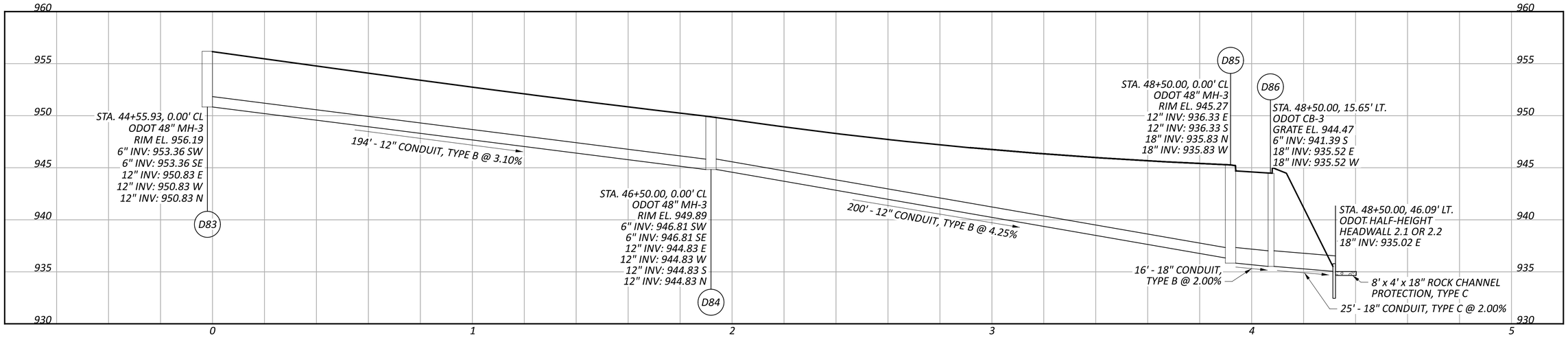
DESIGN AGENCY
CARPENTER MARTY transportation

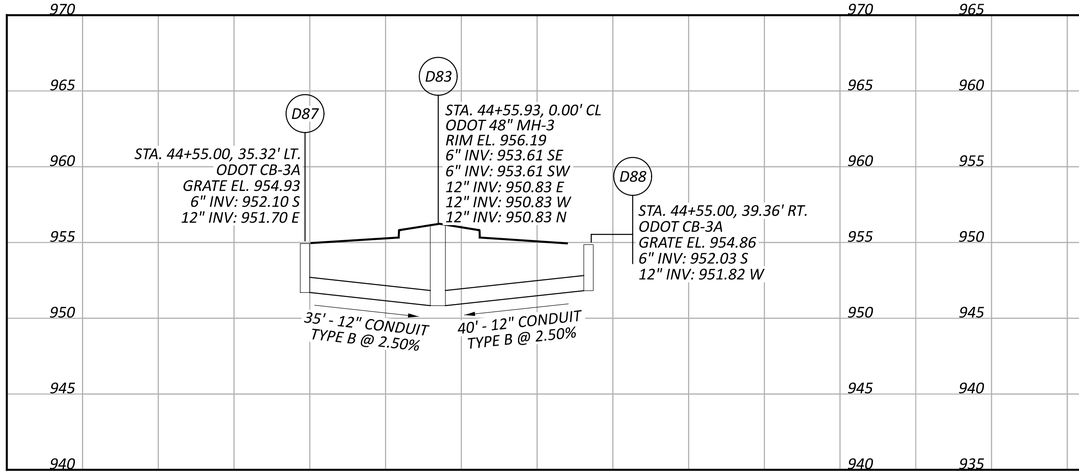
DESIGNER
CEF

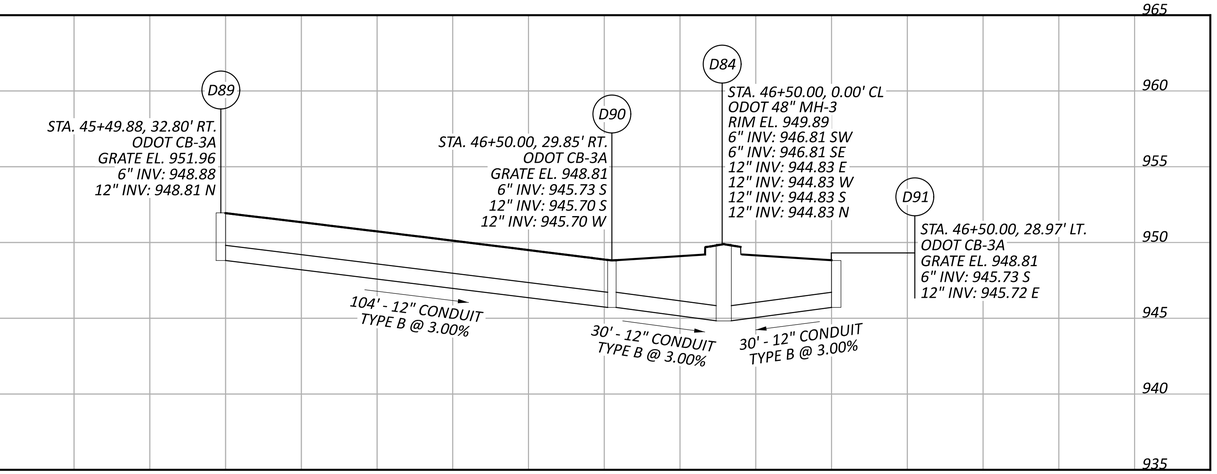
REVIEWER
BAA 05/02/25

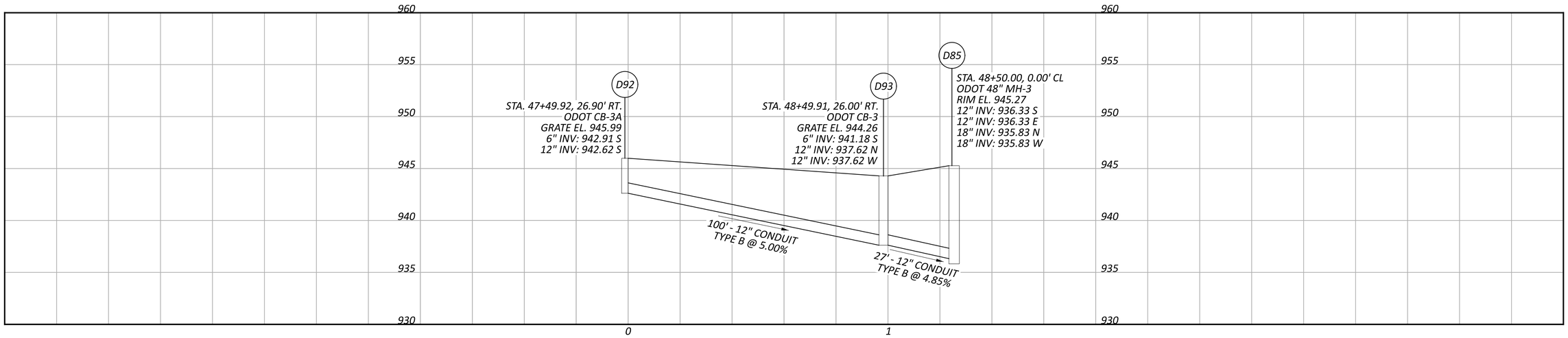
PROJECT ID
96808

SHEET P.1034 TOTAL P.1556









STORM SEWER PROFILES
TAYLOR ROAD

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1035
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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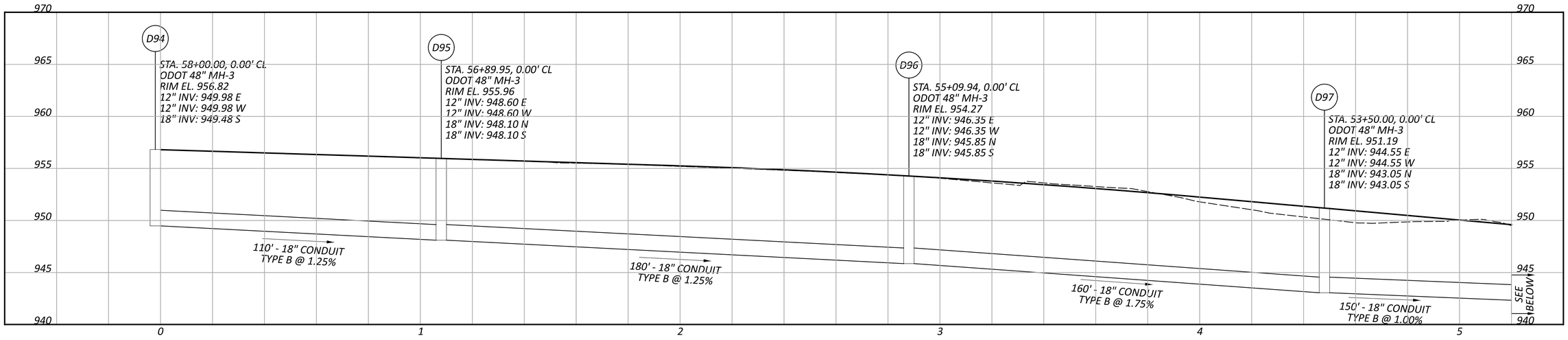

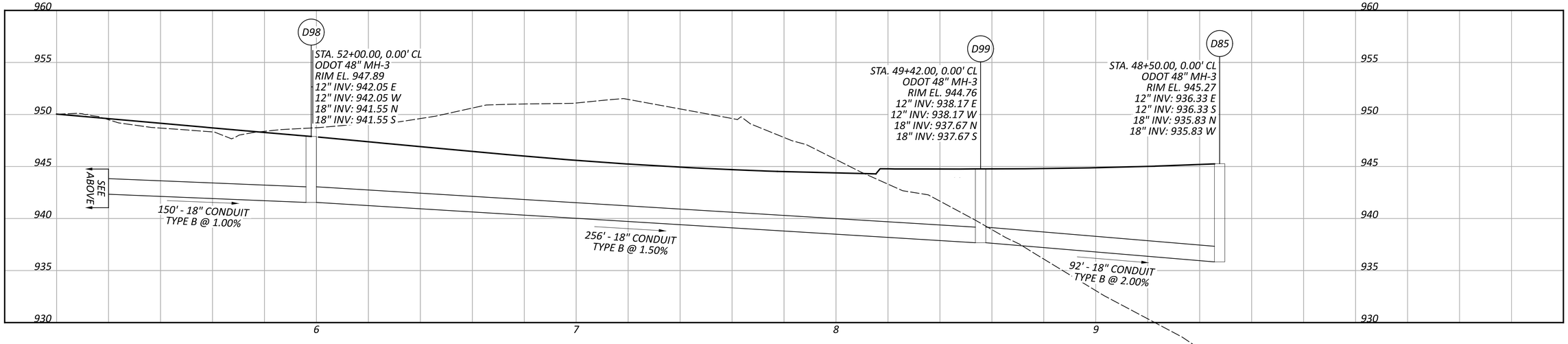

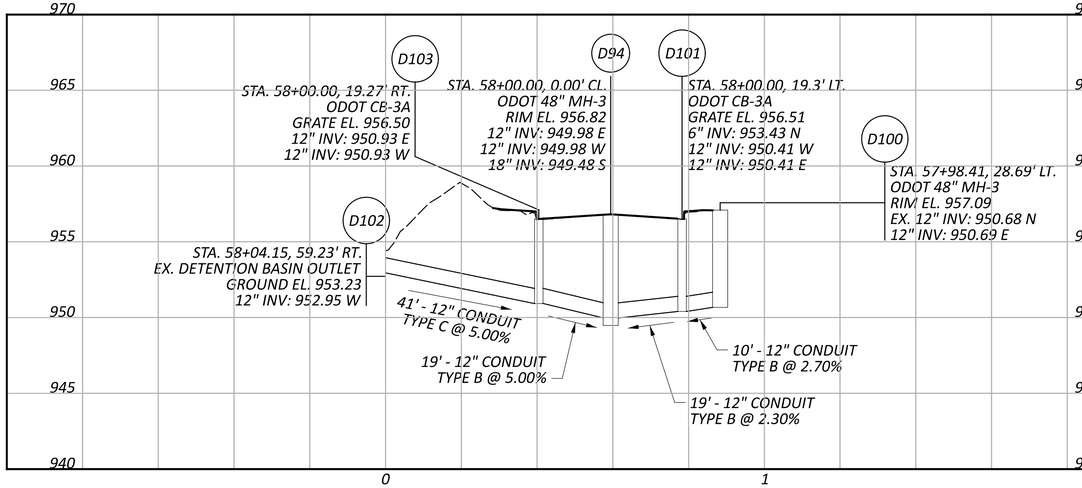

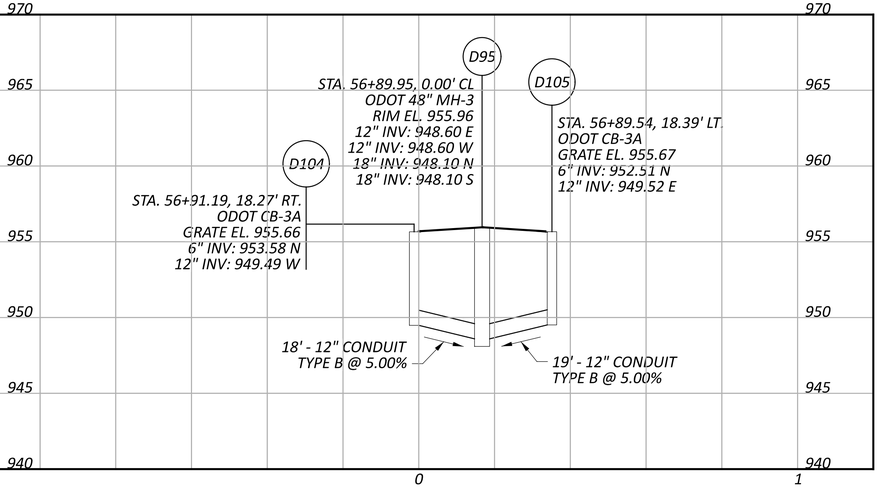

STORM SEWER PROFILES
TAYLOR ROAD

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1036
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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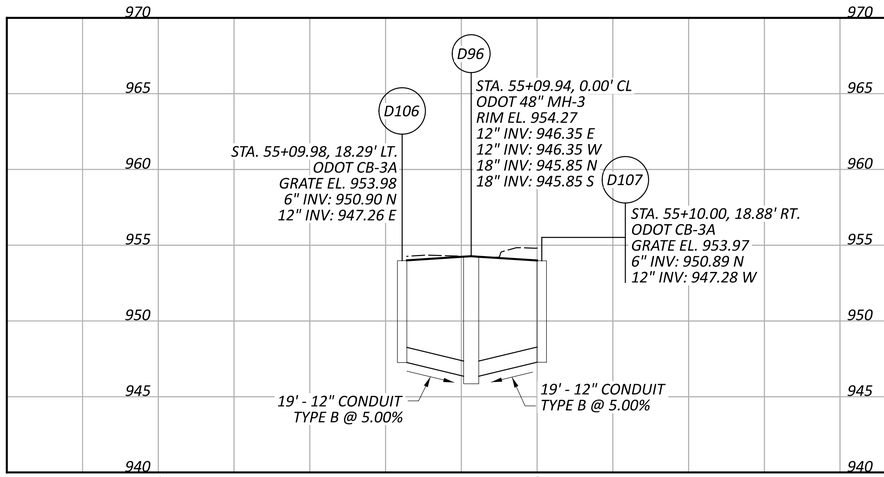

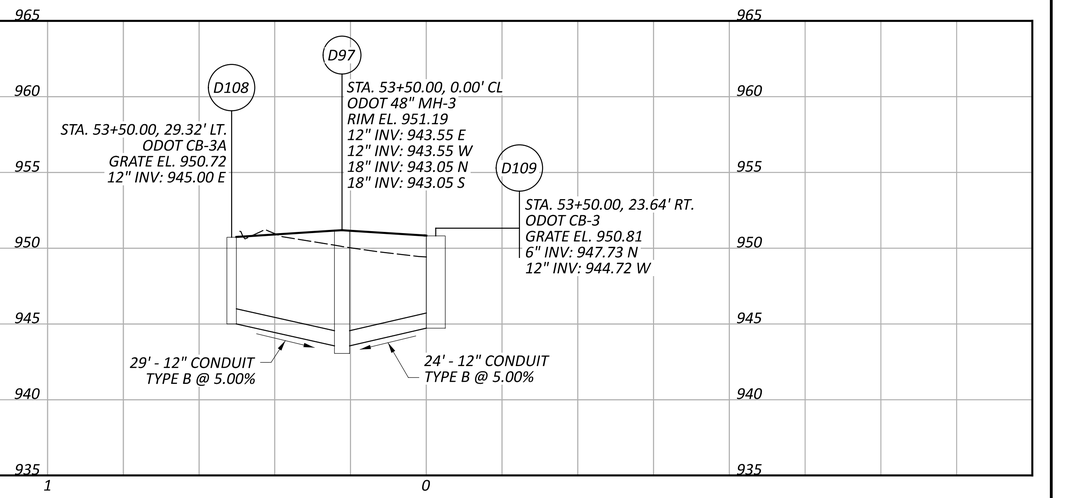

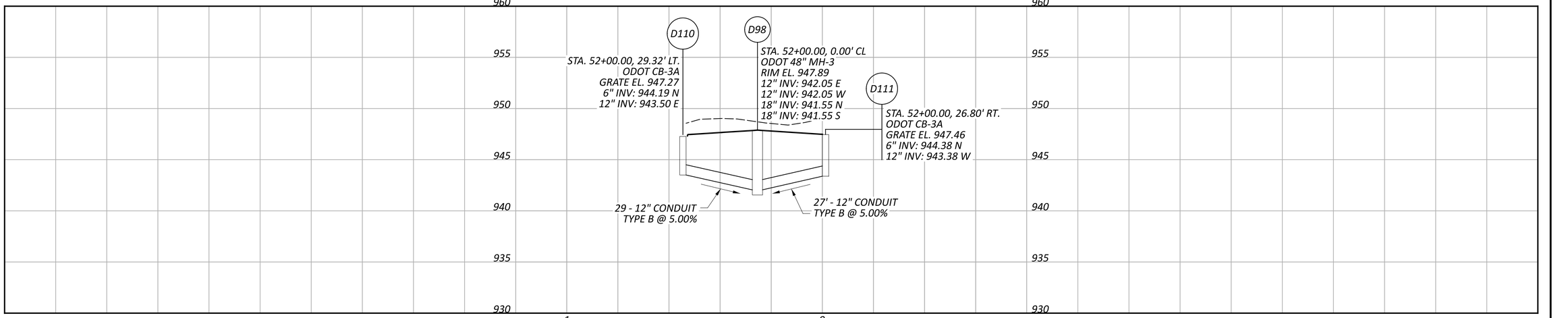

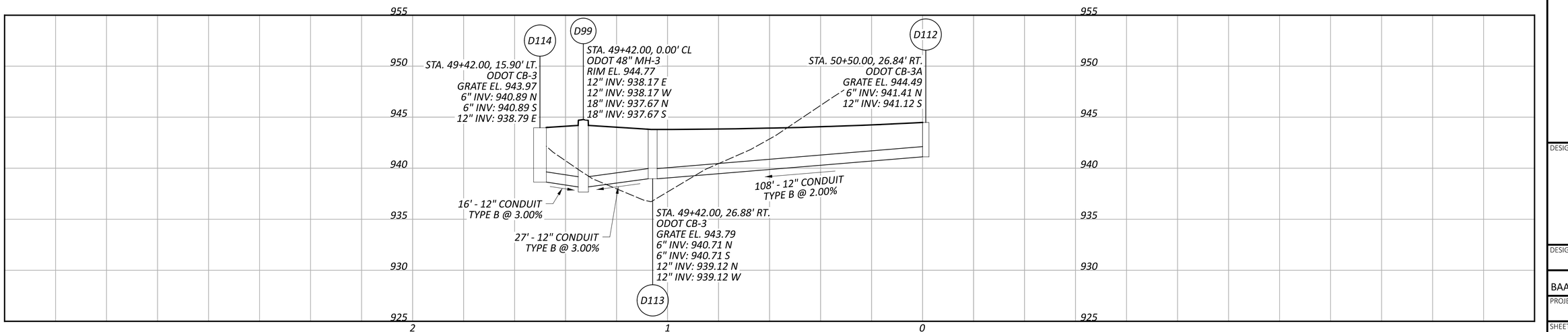

STORM SEWER PROFILES
TAYLOR ROAD

FAI/LIC-IR 70-0.00/0.00

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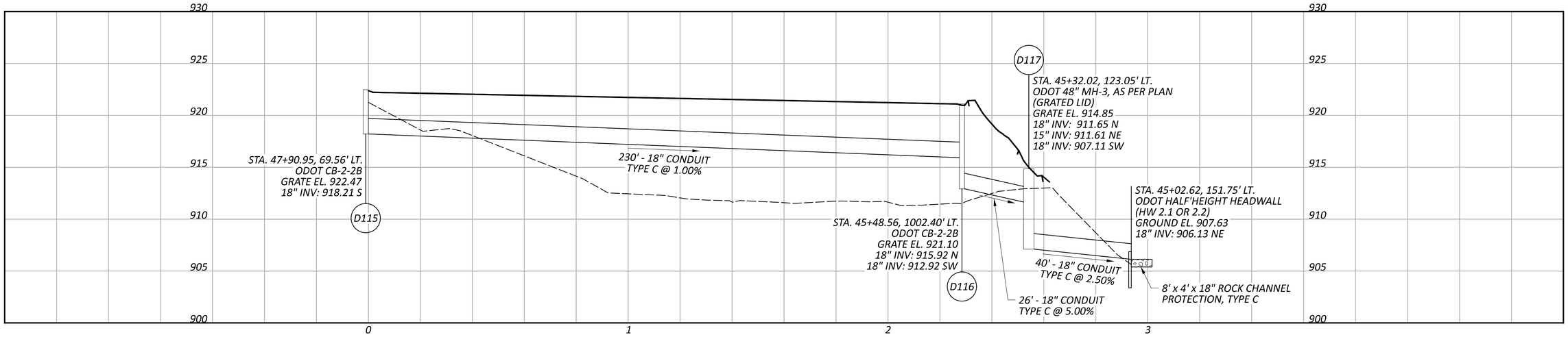
DESIGN AGENCY
CARPENTER MARTY transportation

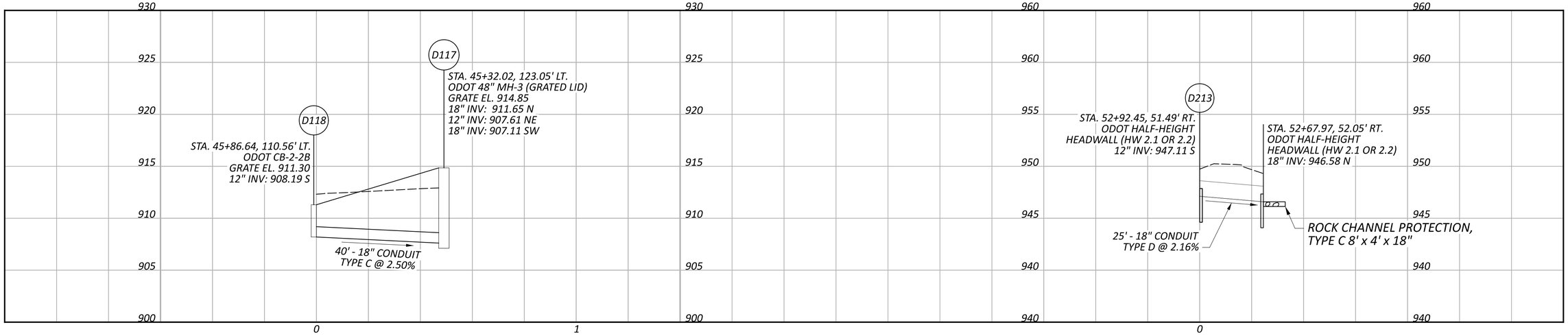
DESIGNER
CEF

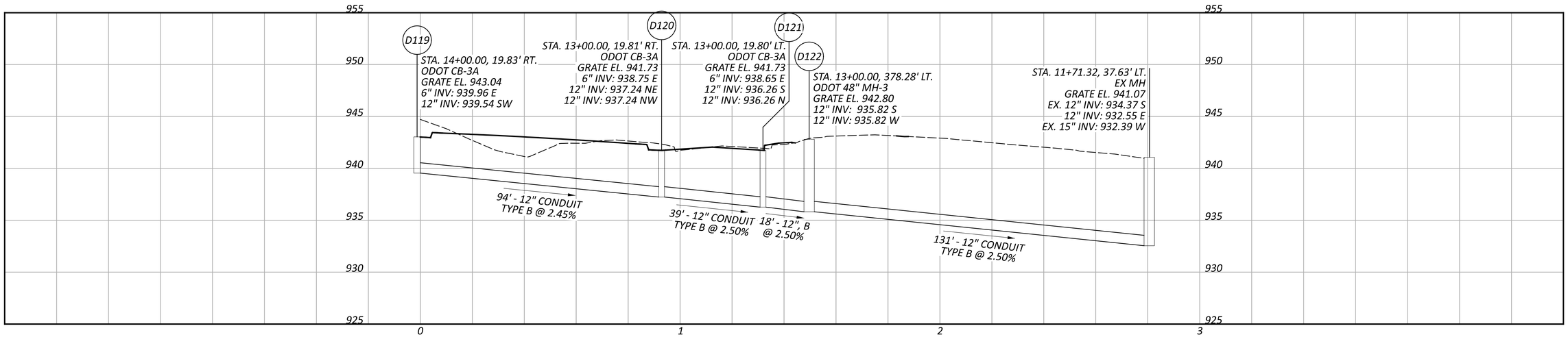
REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1037 TOTAL P.1556







STORM SEWER PROFILES
TAYLOR ROAD

FAI/LIC-IR 70-0.00/0.00

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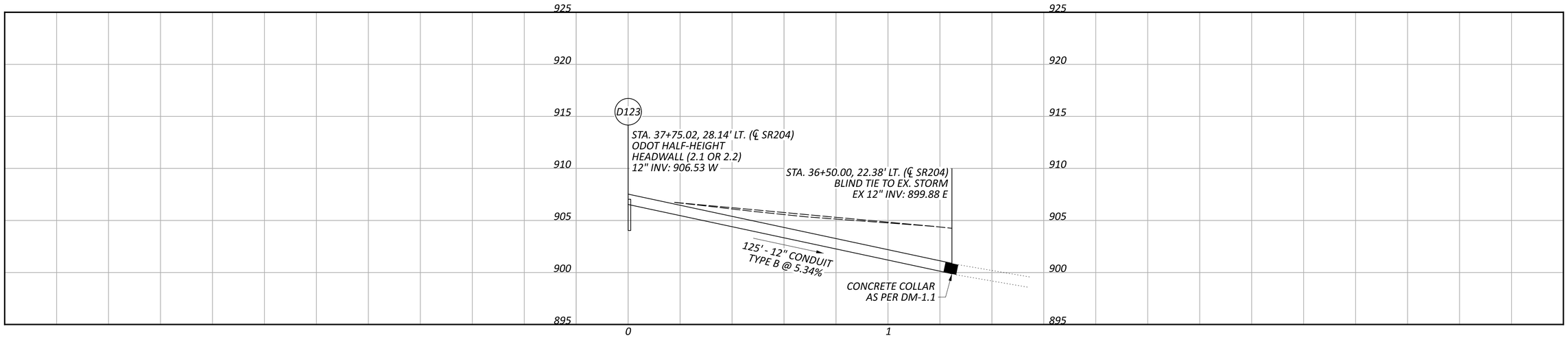
DESIGN AGENCY
CARPENTER MARTY transportation

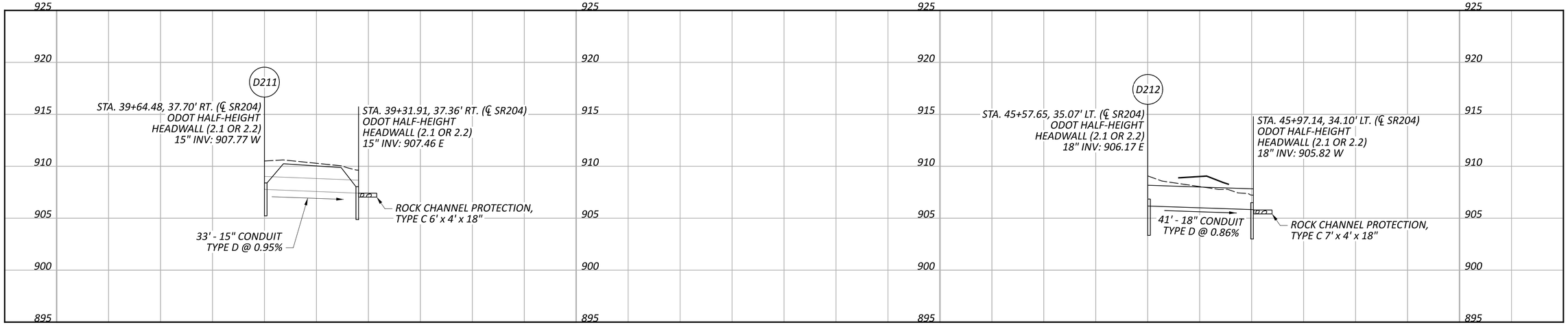
DESIGNER
CEF

REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1038 TOTAL P.1556





STORM SEWER PROFILES
SR 204

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER
CEF

REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1039 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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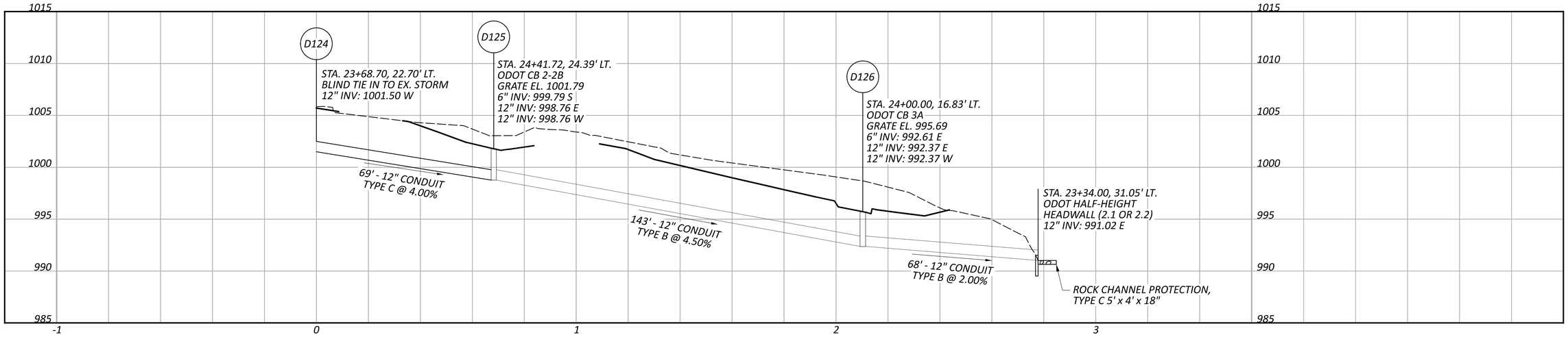
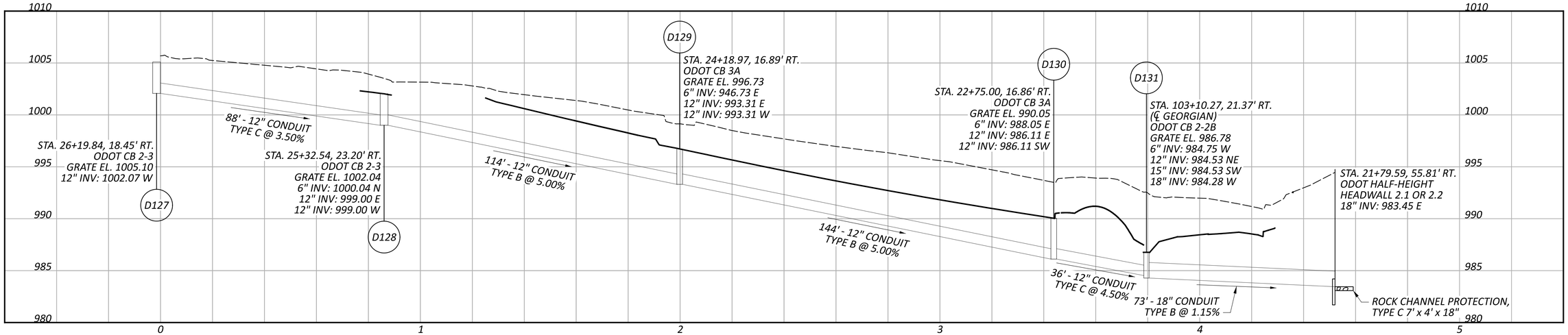
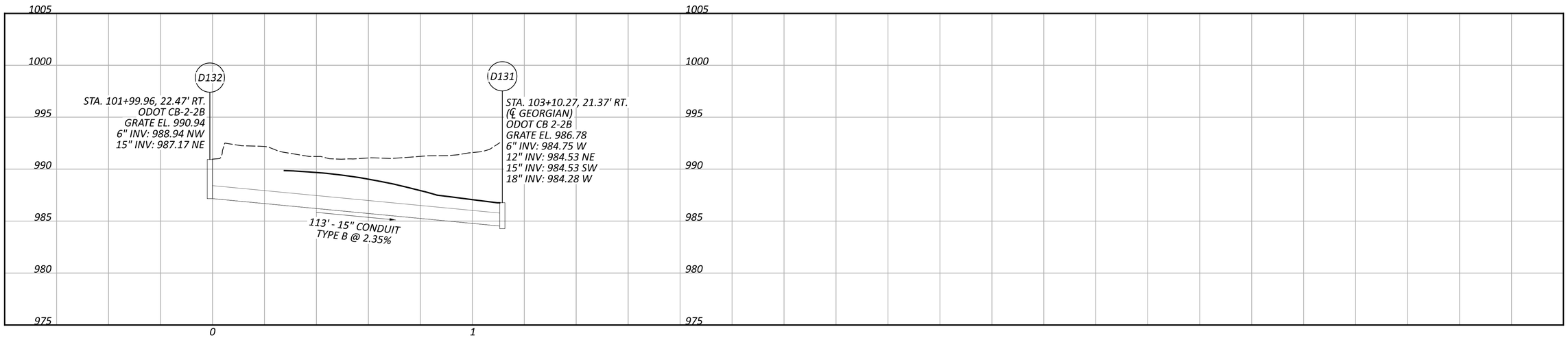
STORM SEWER PROFILES
PALMER ROAD AND GEORGIAN ROAD







DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1040
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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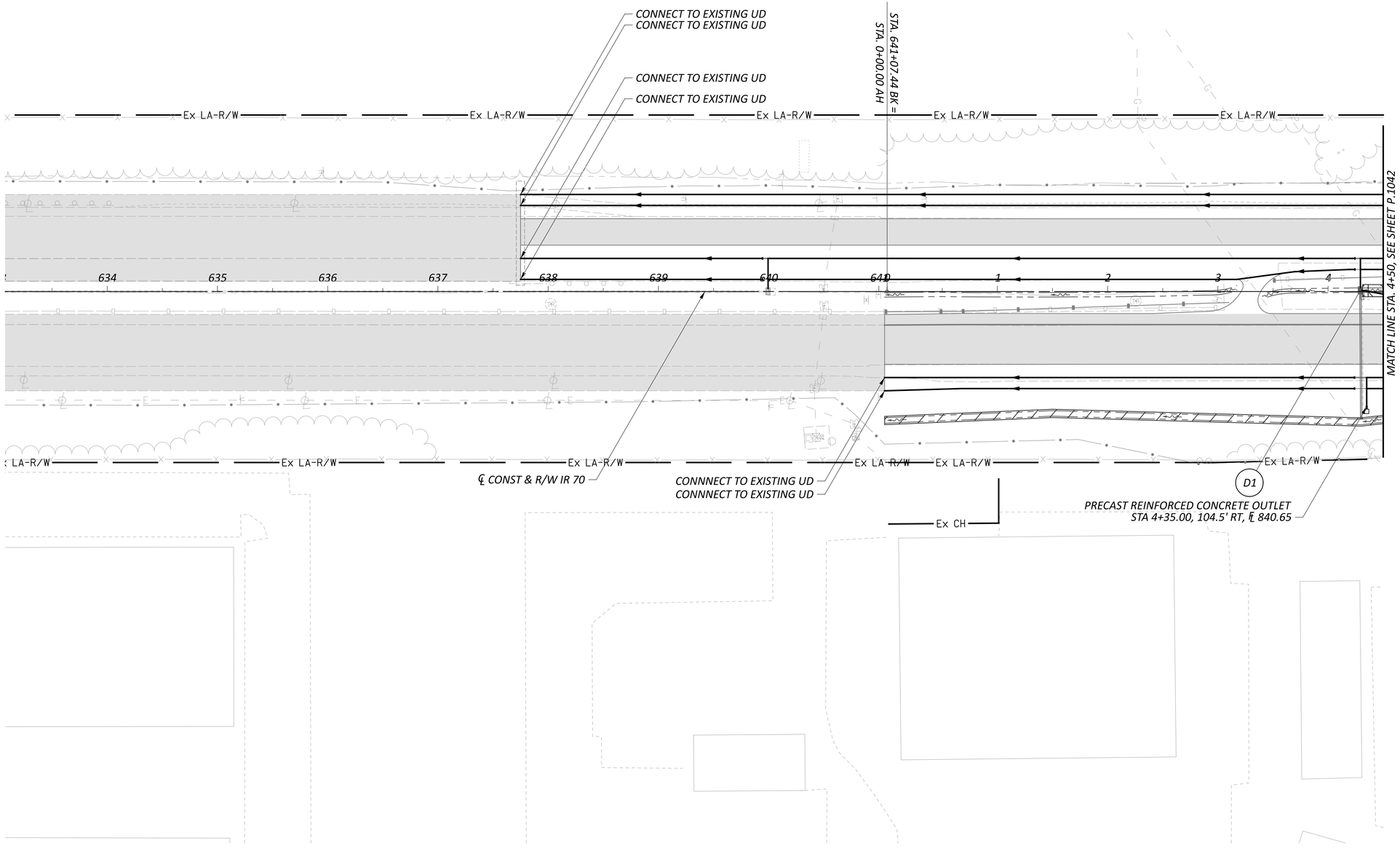

HORIZONTAL SCALE IN FEET
0 25 50 100

UNDERDRAIN DETAILS - IR 70
STA 633+07.44 TO STA 4+50.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
MEMBER STRUCTUREPOINT INC.

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.1041 TOTAL P.1556

MODEL: DP102 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:17 PM USER: brieder
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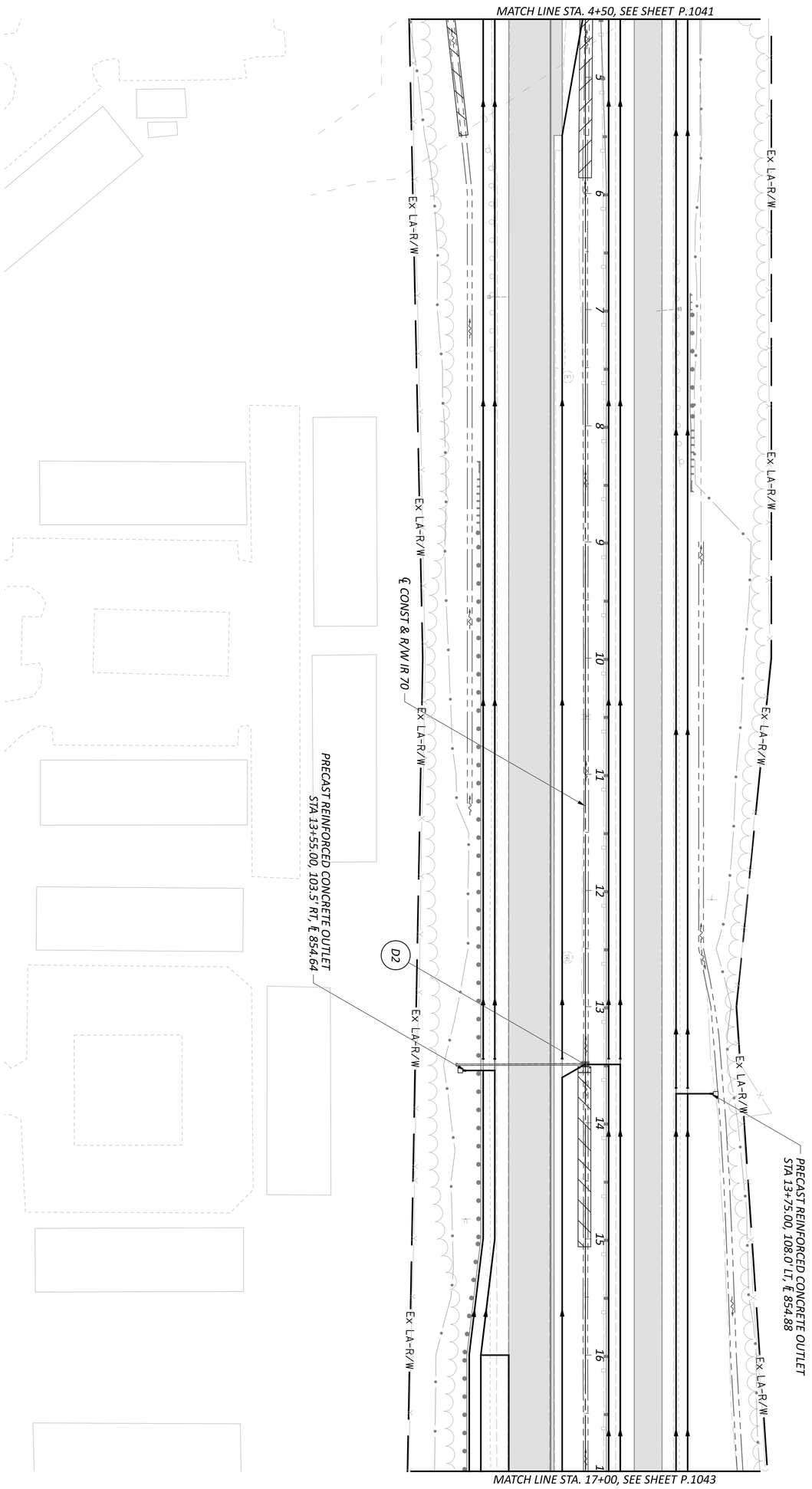

UNDERDRAIN DETAILS - IR 70
STA 4+50.00 TO STA 17+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.1042	P.1556

PROJECT ID: 96808
REVIEWER: XXX MM-DD-YY
DESIGNER: XXX
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: DP103 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:18 PM USER: brieder
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UNDERDRAIN DETAILS - IR 70
STA 17+00.00 TO STA 29+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: DP104 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:19 PM USER: brieder
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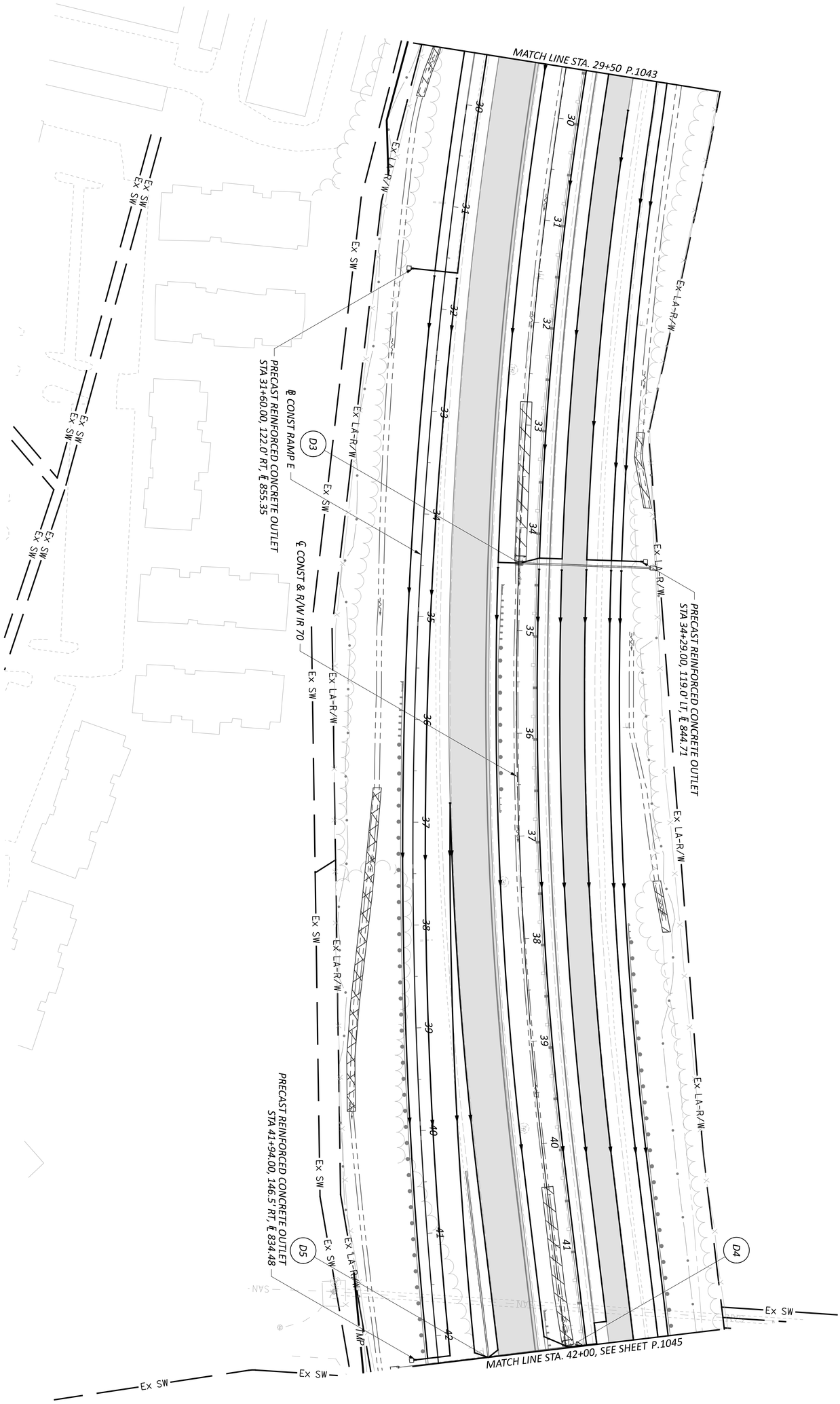
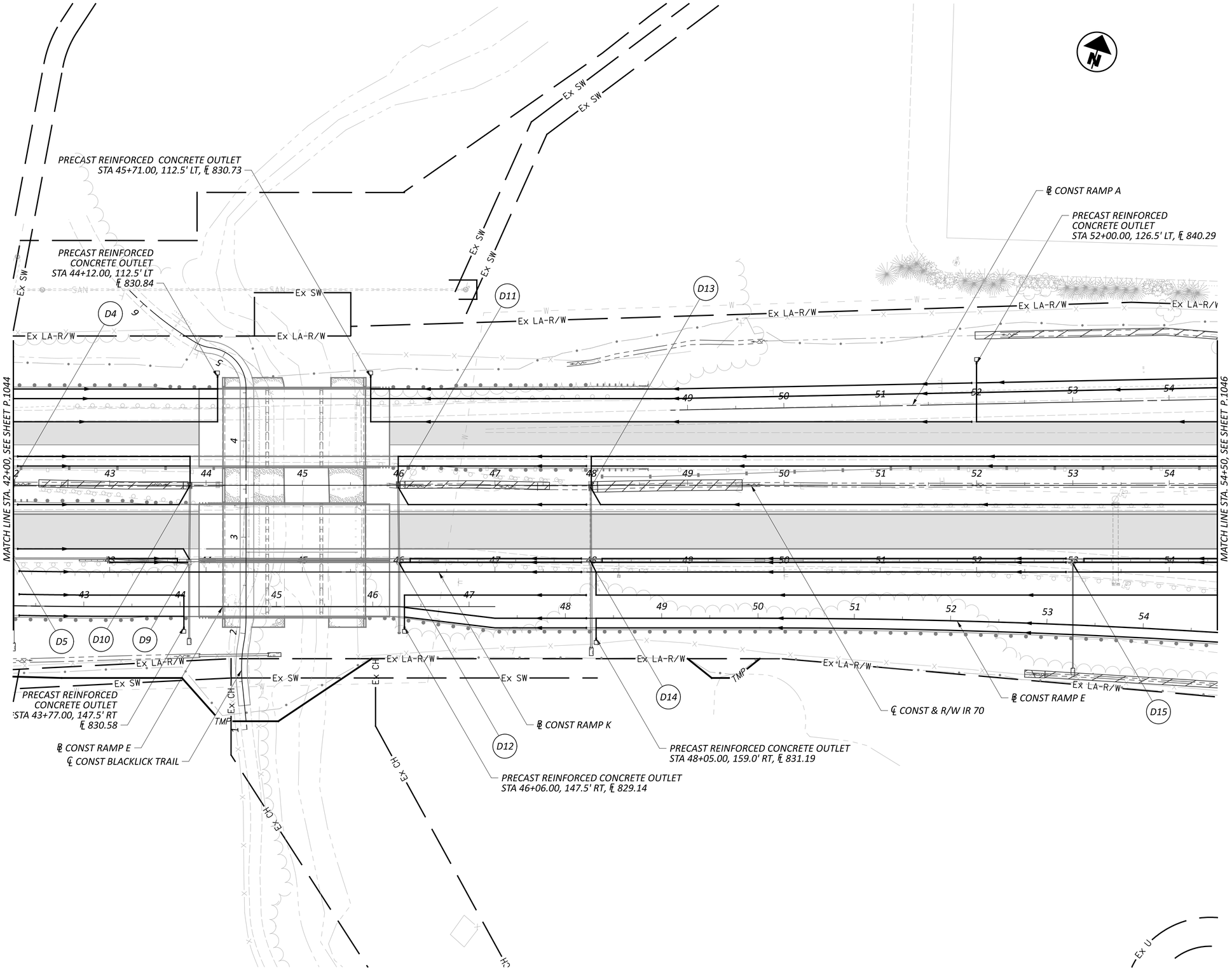


SHEET P.1044 | TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	UNDERDRAIN DETAILS - IR 70 STA 29+50.00 TO STA 42+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100



UNDERDRAIN DETAILS - IR 70
STA 42+00.00 TO STA 54+50.00

FAI/LIC-IR 70-0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.1045 | TOTAL P.1556

MODEL: DP106 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:22 PM USER: brieder
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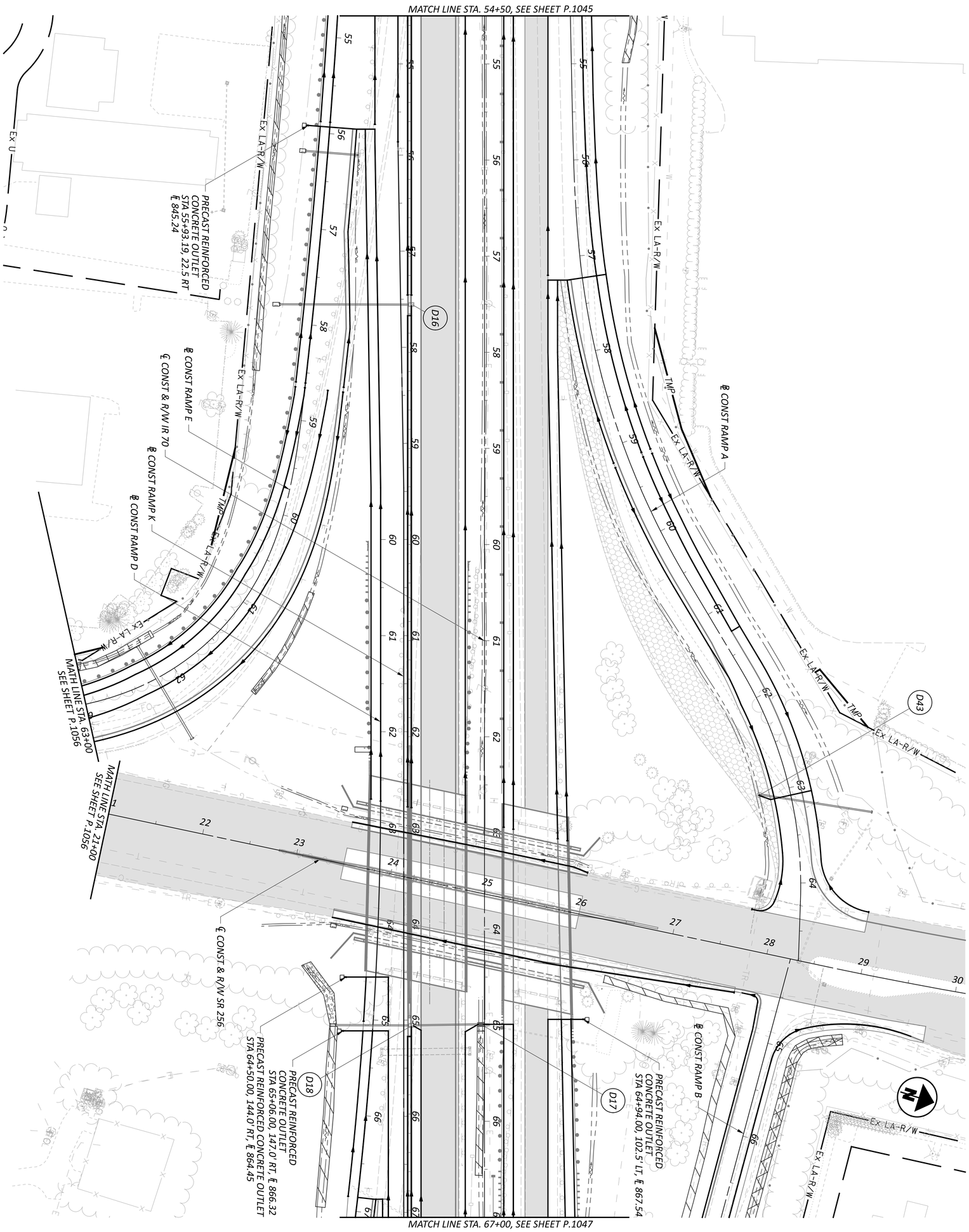

SHEET P.1046 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - IR 70
STA 54+50.00 TO STA 67+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: DP107 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:25 PM USER: brieder
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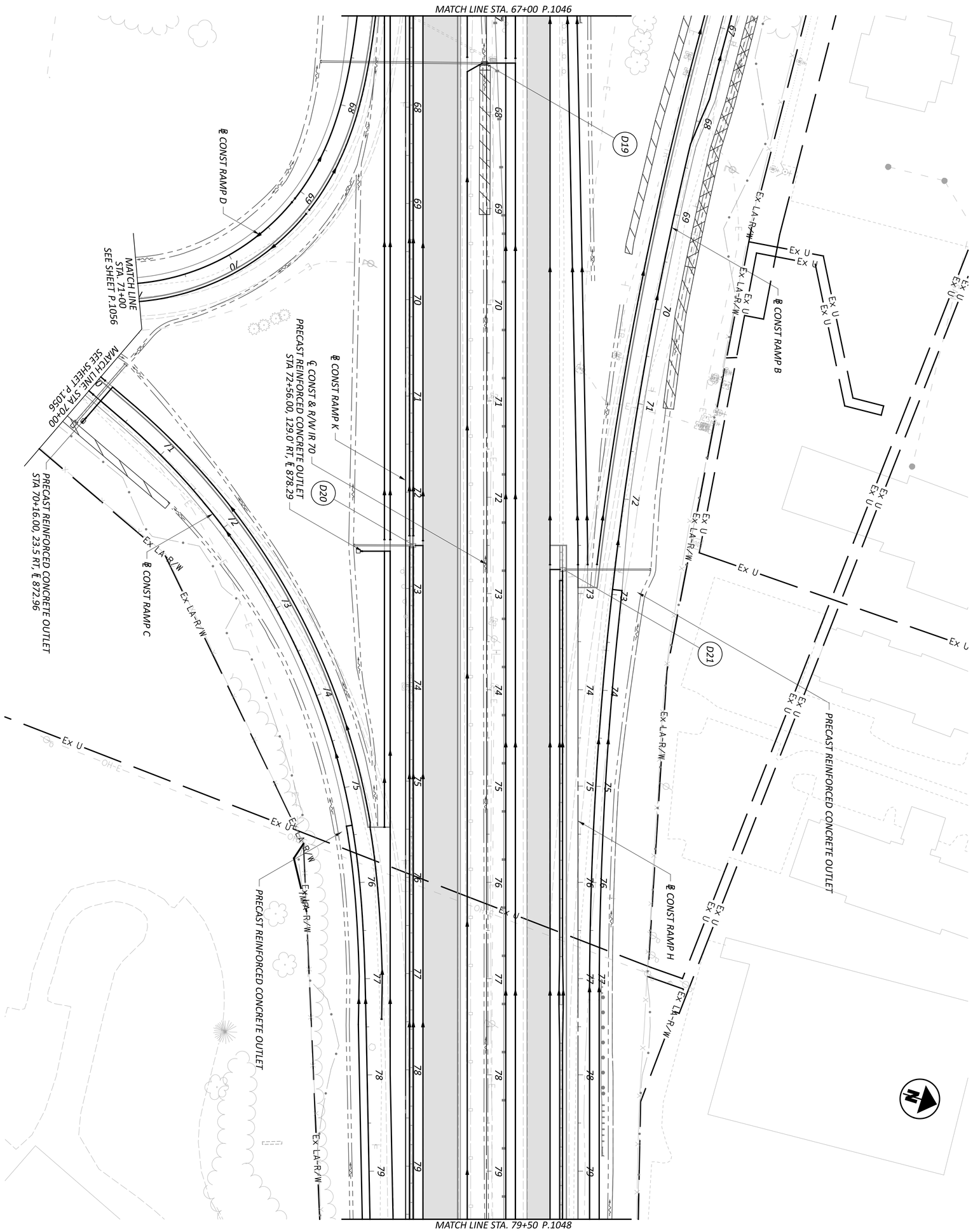


UNDERDRAIN DETAILS - IR 70
STA 67+00.00 TO STA 79+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.1047	P.1556

PROJECT ID: 96808

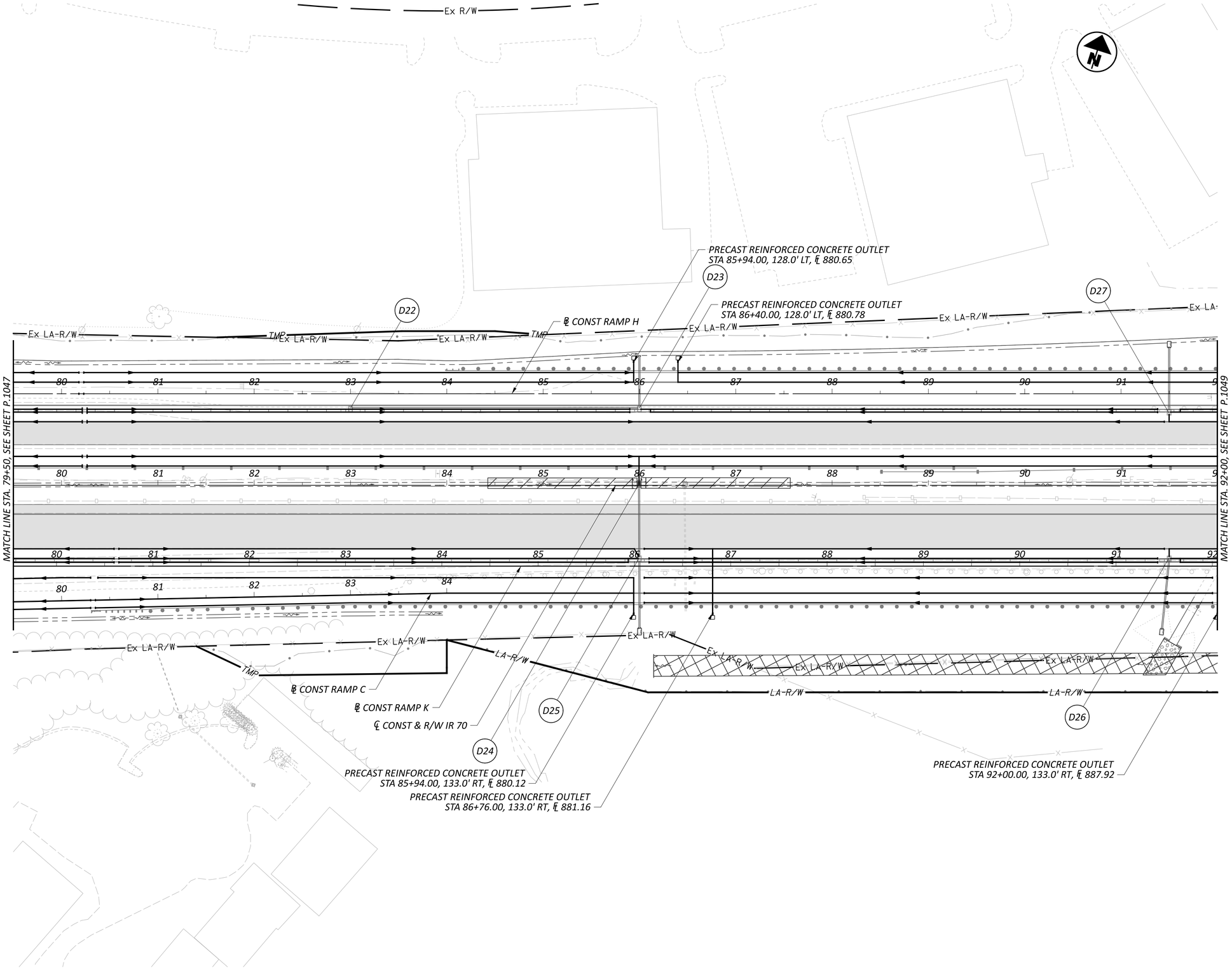
REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - IR 70
STA 79+50.00 TO STA 92+00.00

HORIZONTAL SCALE IN FEET
0 25 50 100



DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.1048 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: DP151 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:43 PM USER: brieder
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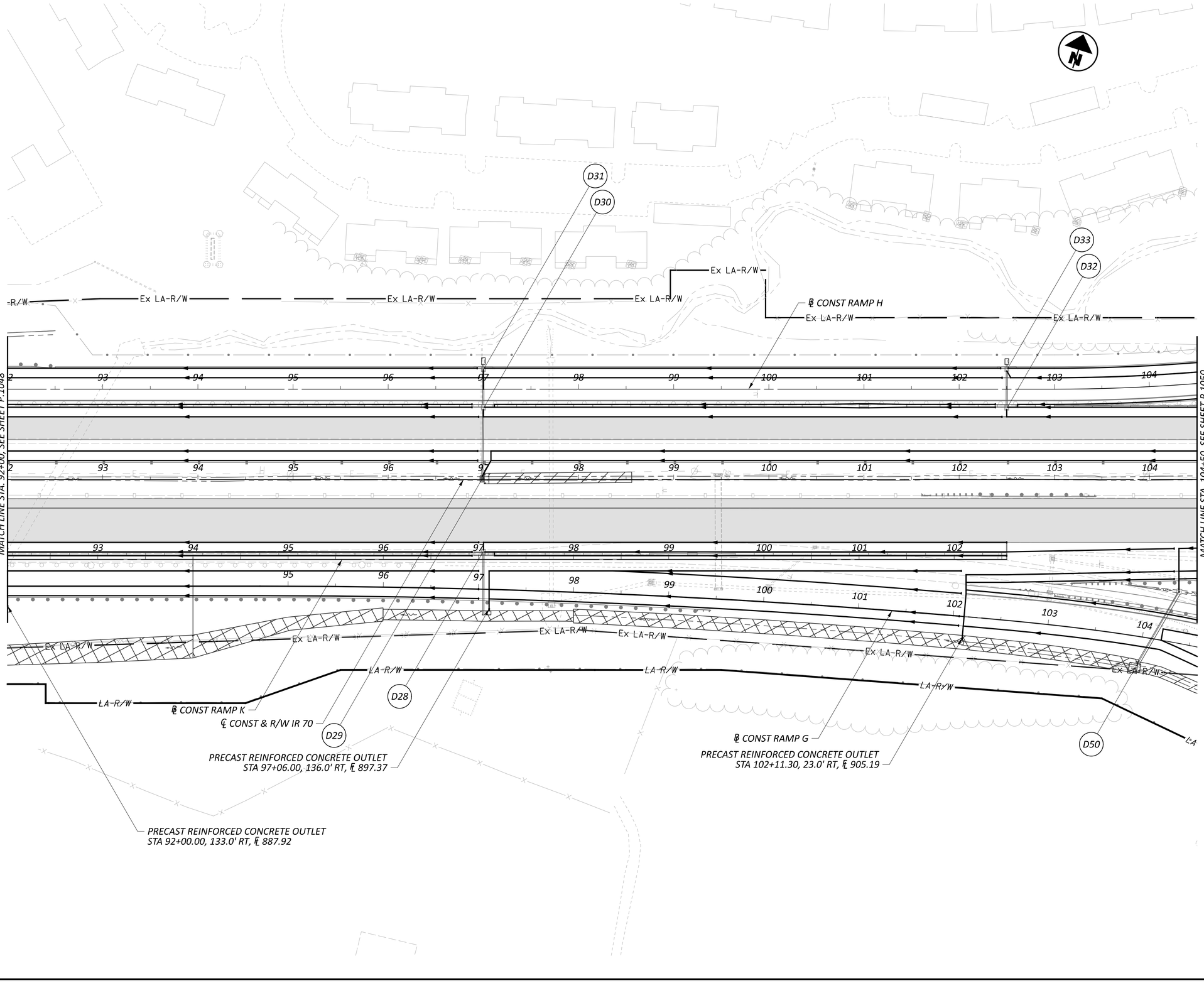

HORIZONTAL SCALE IN FEET
0 25 50 100

UNDERDRAIN DETAILS - IR 70
STA 92+00.00 TO STA 104+50.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER XXX
REVIEWER XXX MM-DD-YY
PROJECT ID 96808
SHEET P.1049 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: DP152 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:49 PM USER: brieder
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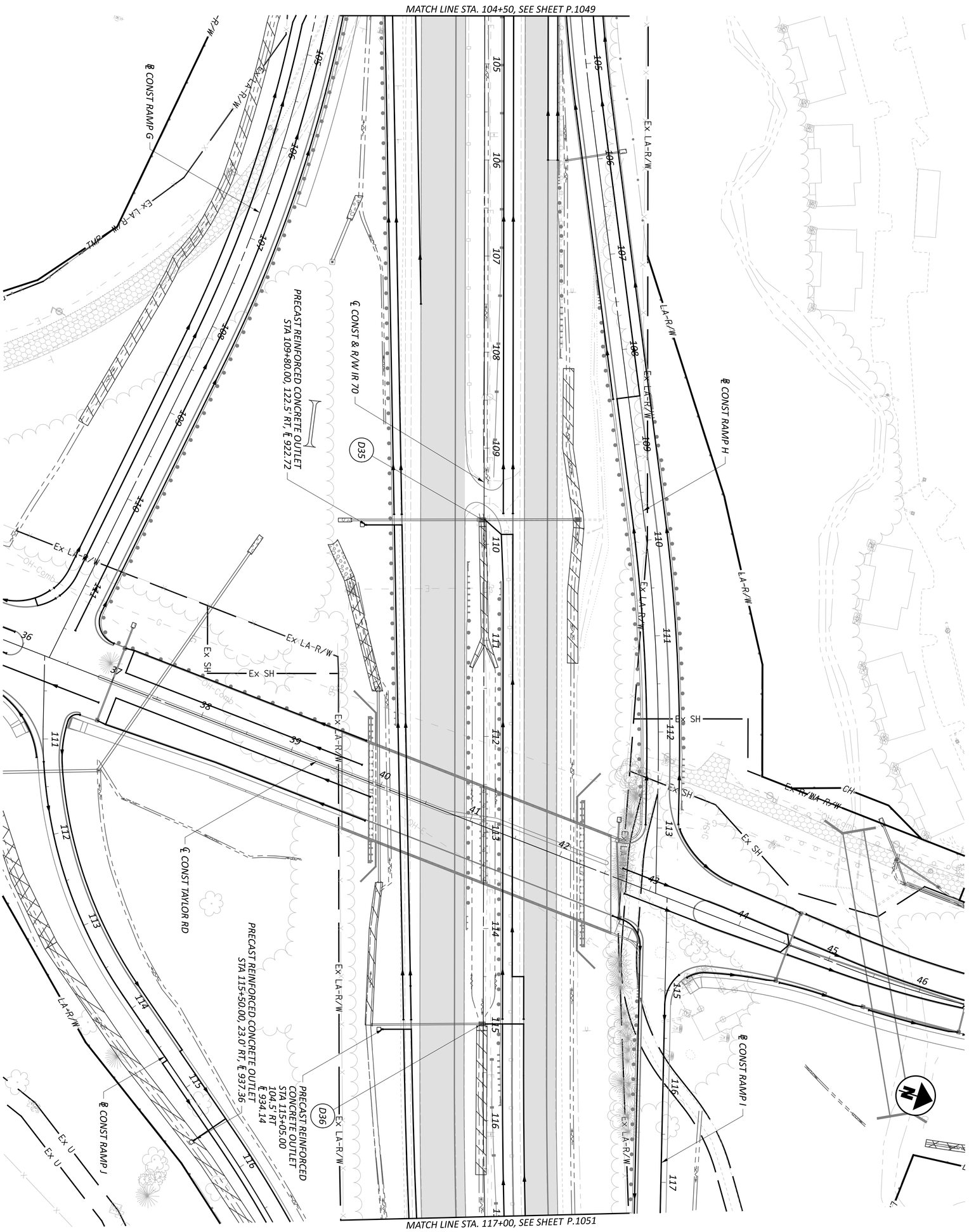

SHEET	TOTAL
P.1050	P.1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - IR 70
STA 104+50.00 TO STA 117+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: DP154 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:56 PM USER: brieder
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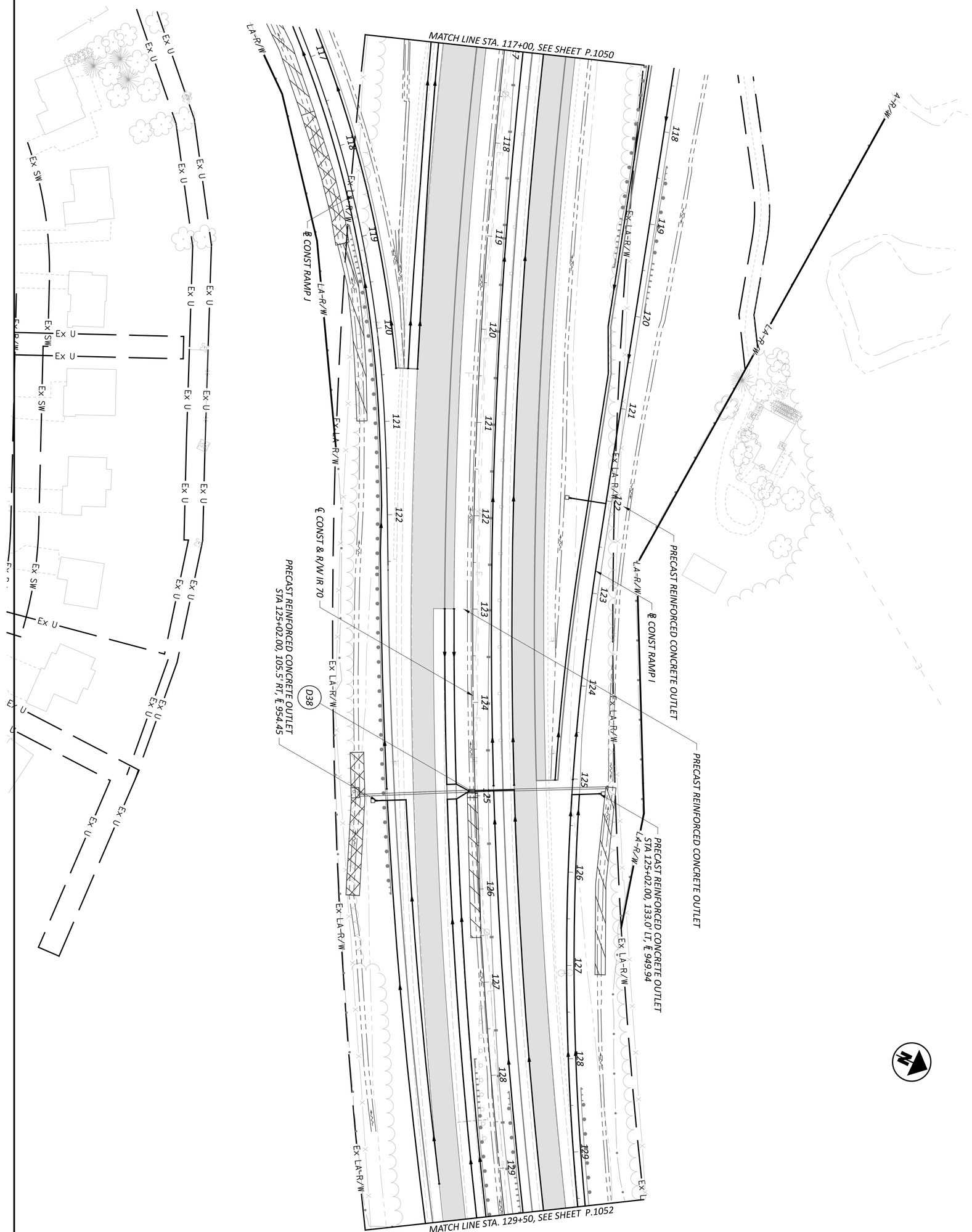

UNDERDRAIN DETAILS - IR 70
STA 117+00.00 TO STA 129+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.1051	P.1556

PROJECT ID: 96808
REVIEWER: XXX MM-DD-YY
DESIGNER: XXX
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: DP155 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:31:58 PM USER: brieder
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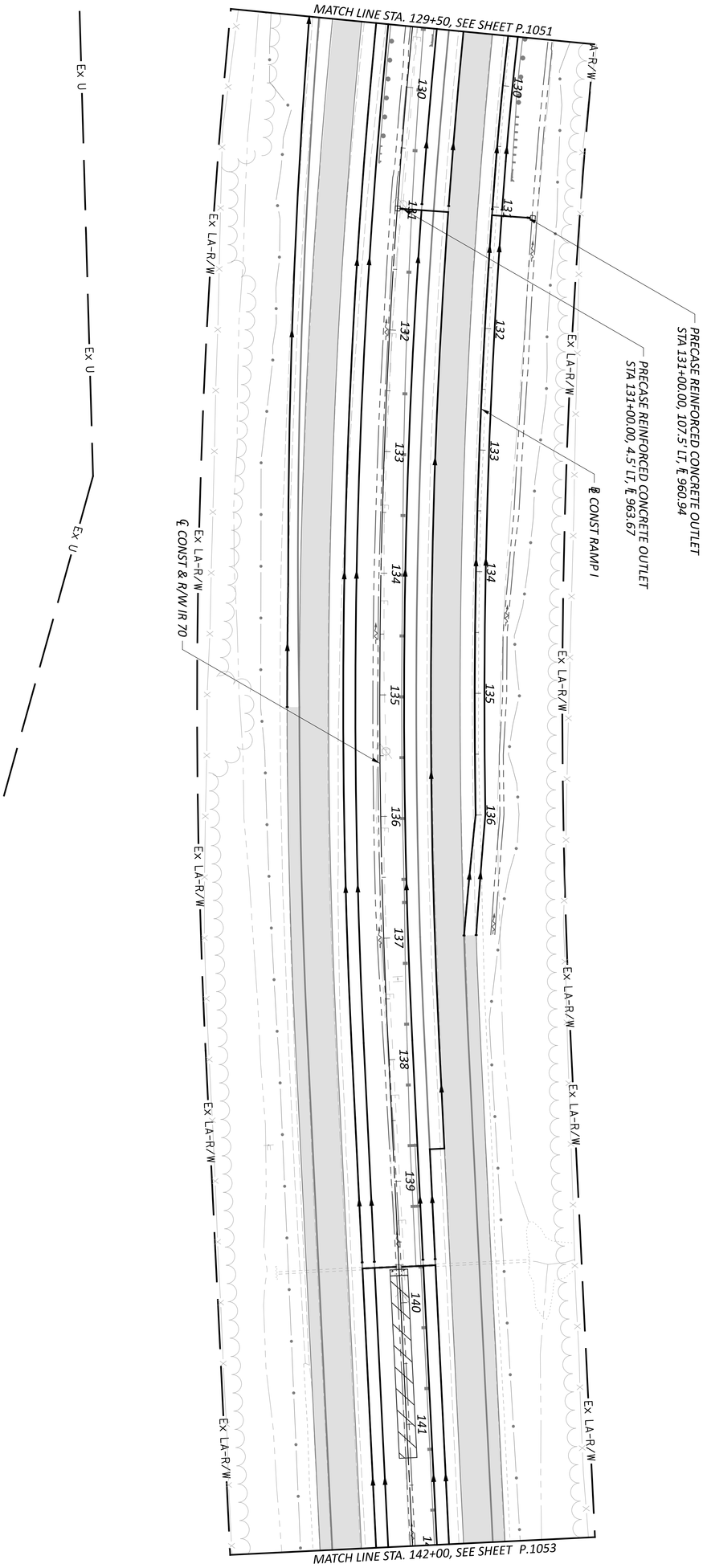

UNDERDRAIN DETAILS - IR 70
STA 129+50.00 TO STA 142+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	P.1052
TOTAL	P.1556
PROJECT ID	96808
REVIEWER	XXX MM-DD-YY
DESIGNER	XXX
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.

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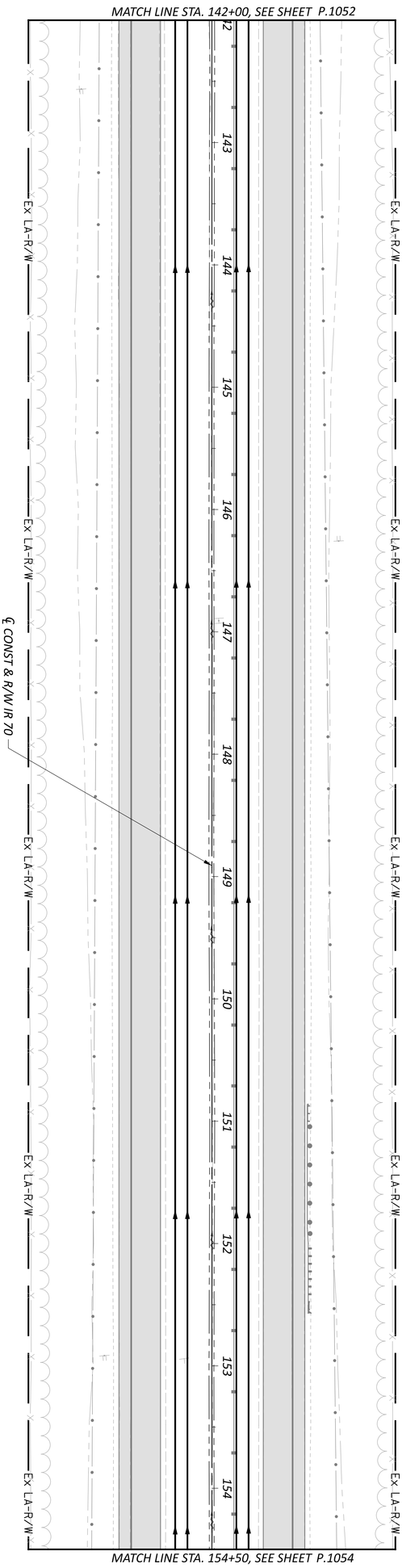

UNDERDRAIN DETAILS - IR 70
STA 142+00.00 TO STA 154+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: DP157 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:32:00 PM USER: brieder
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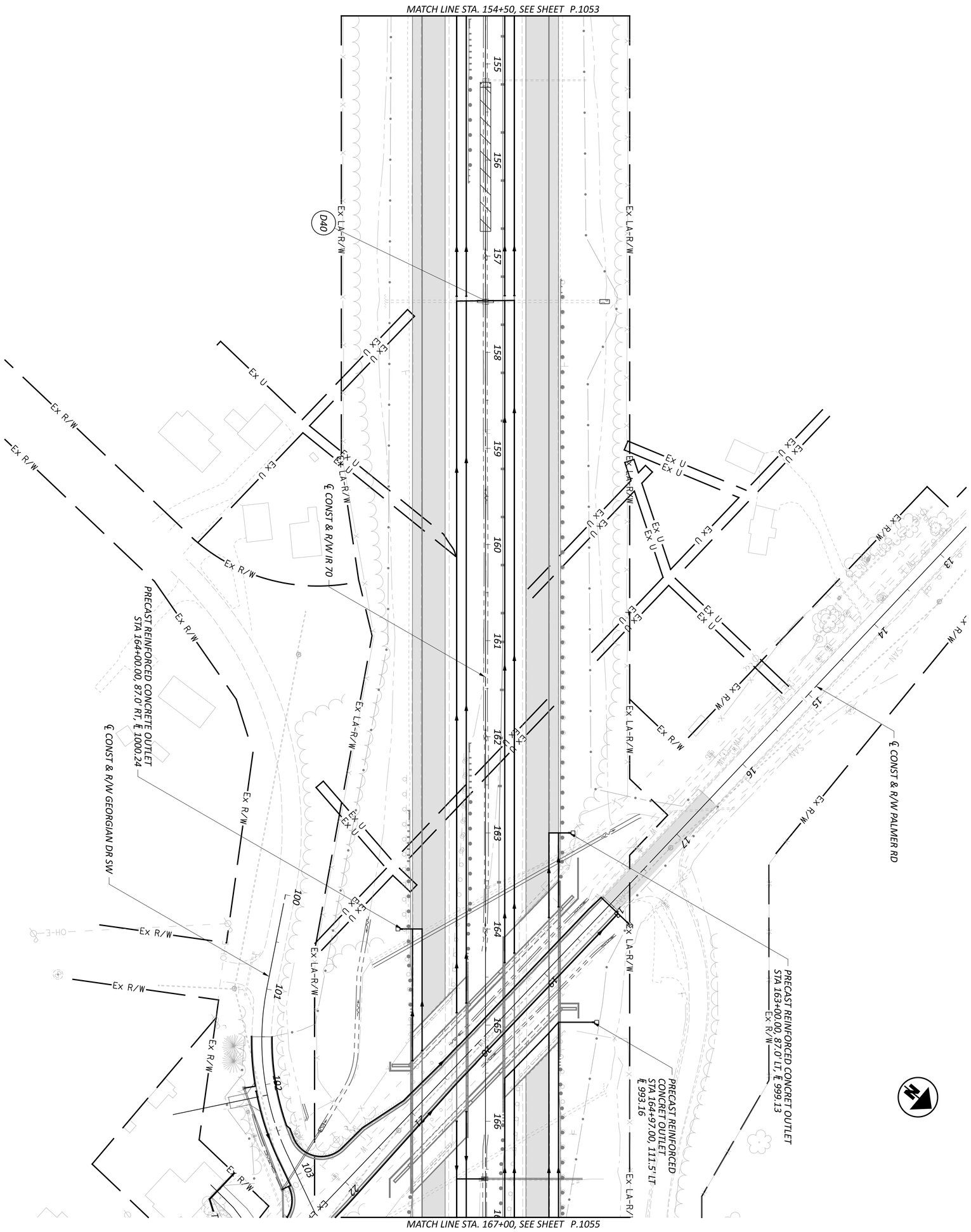

UNDERDRAIN DETAILS - IR 70
STA 154+50.00 TO STA 167+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.1054	P.1556

PROJECT ID: 96808
REVIEWER: XXX MM-DD-YY
DESIGNER: XXX
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: DP158 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:32:02 PM USER: brieder
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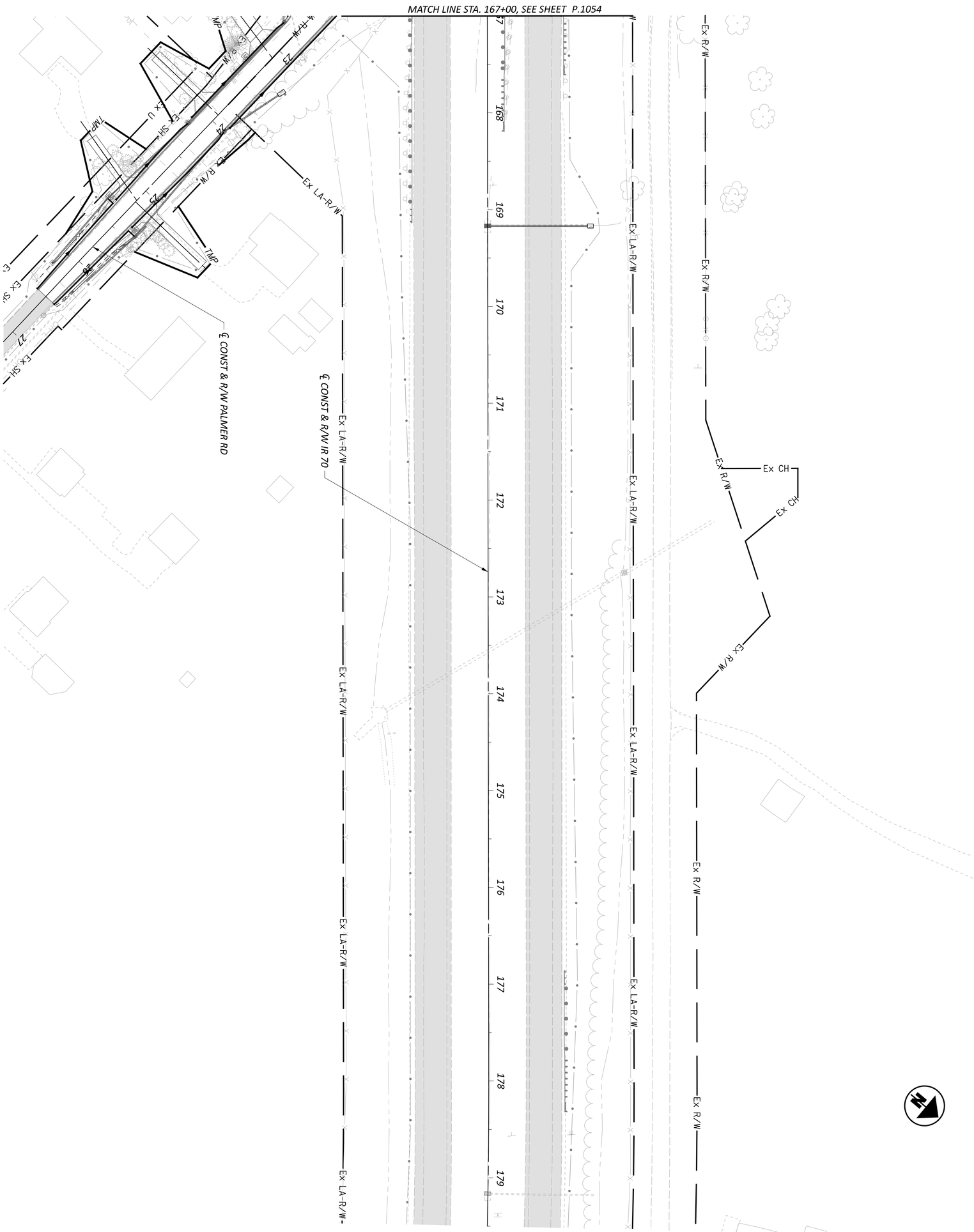


UNDERDRAIN DETAILS - IR 70
STA 167+00.00 TO STA 179+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

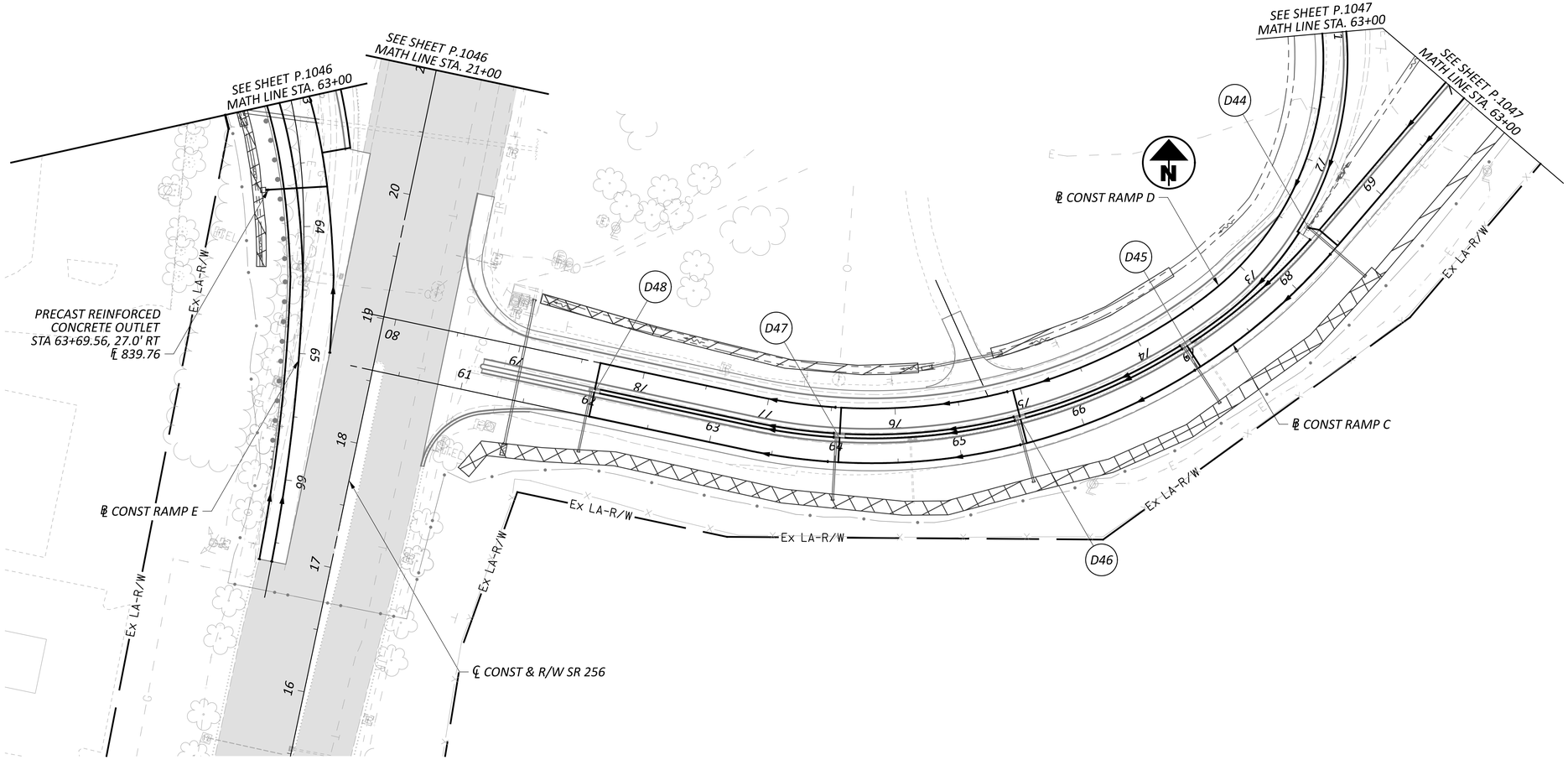
SHEET	TOTAL
P.1055	P.1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.



HORIZONTAL
SCALE IN FEET
0 25 50 100

UNDERDRAIN DETAILS - IR 70

FAI/LIC-IR 70-0.00/0.00

MODEL: DP108 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:32:19 PM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	96808
SHEET	P.1056
TOTAL	P.1556

MODEL: 256_DP401 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:32:36 PM USER: brieder
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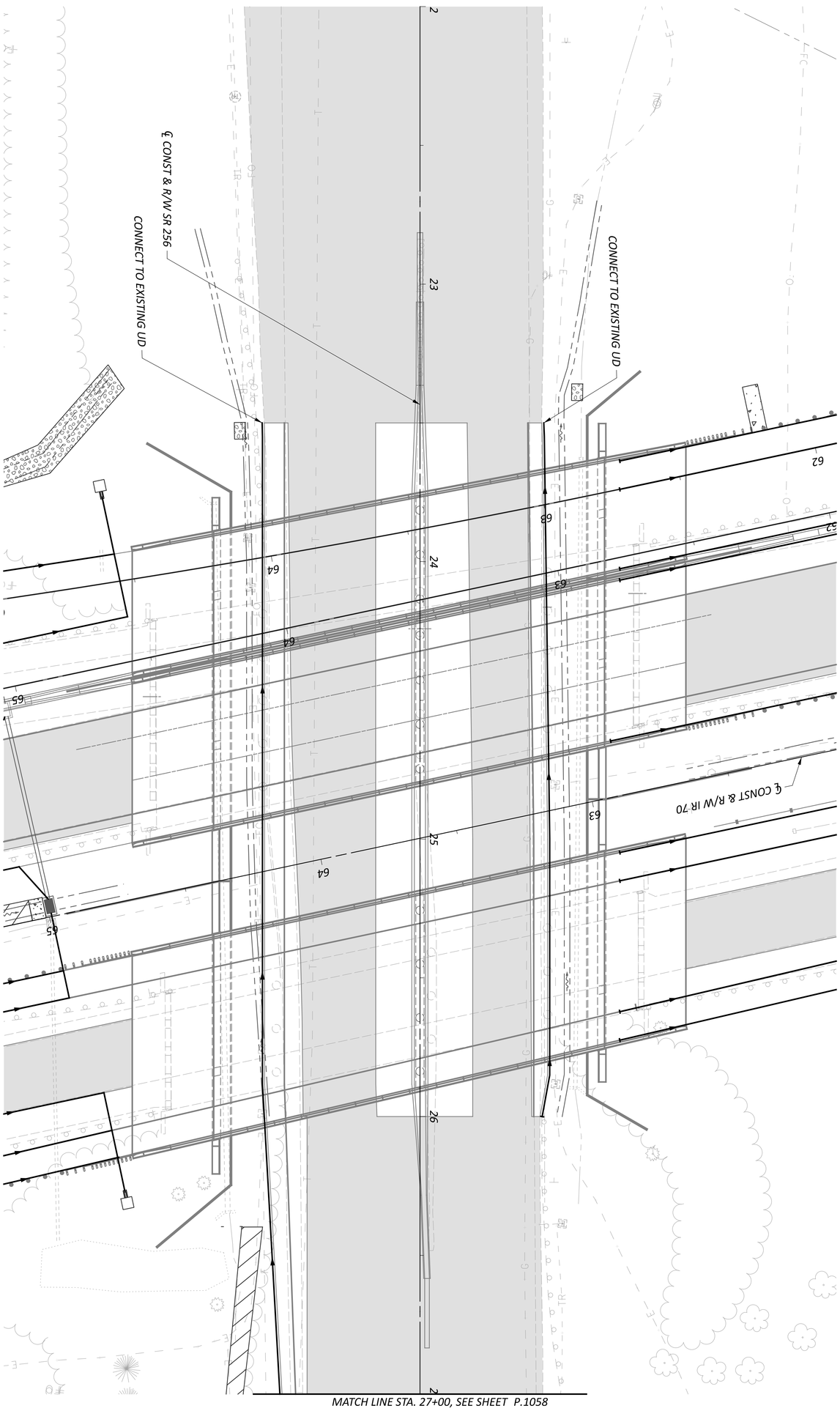

SHEET	TOTAL
P.1057	P.1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - SR 256
STA 22+00.00 TO STA 27+00.00

HORIZONTAL SCALE IN FEET

0 40
20 80

MODEL: 256_DP402 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:32:41 PM USER: brieder
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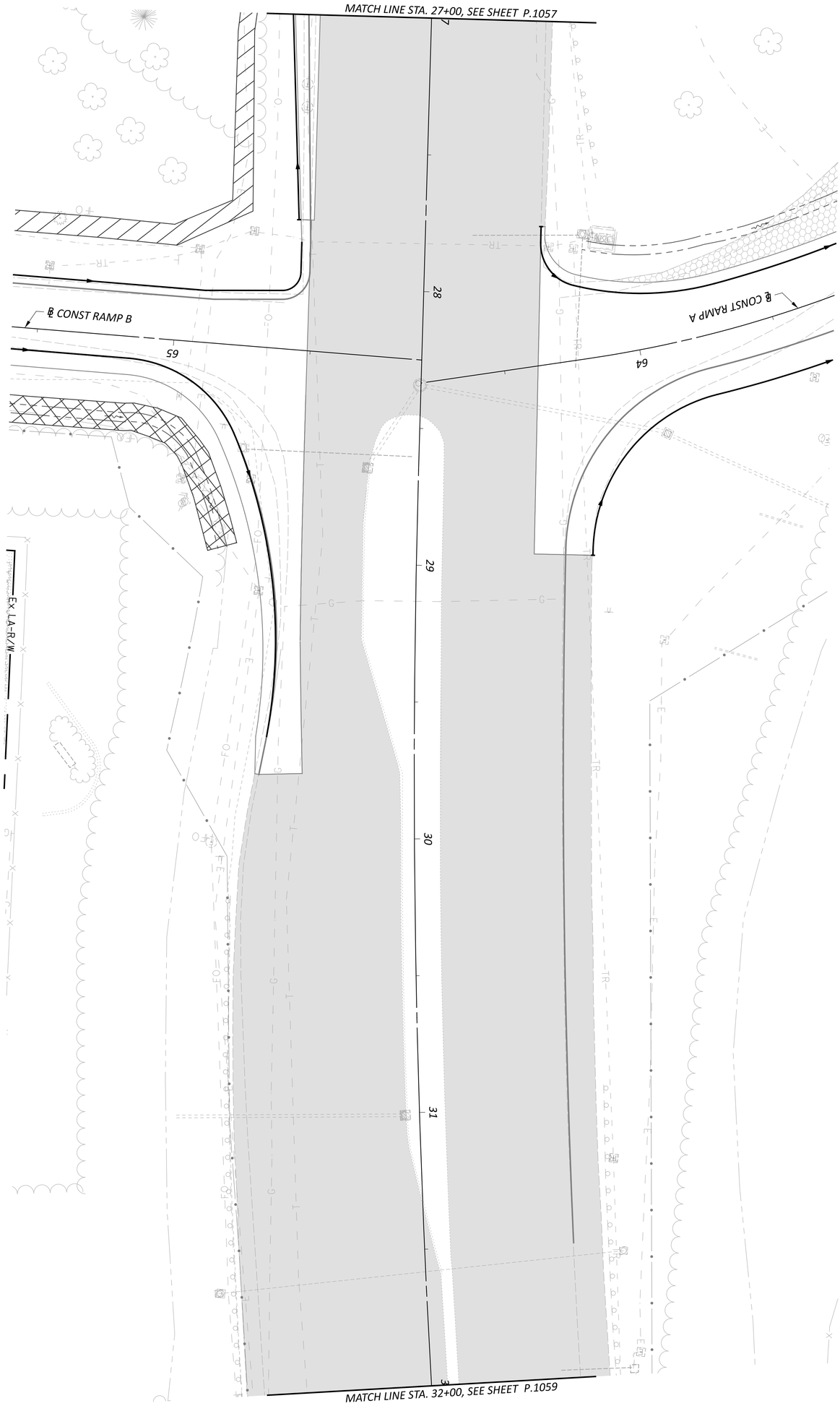
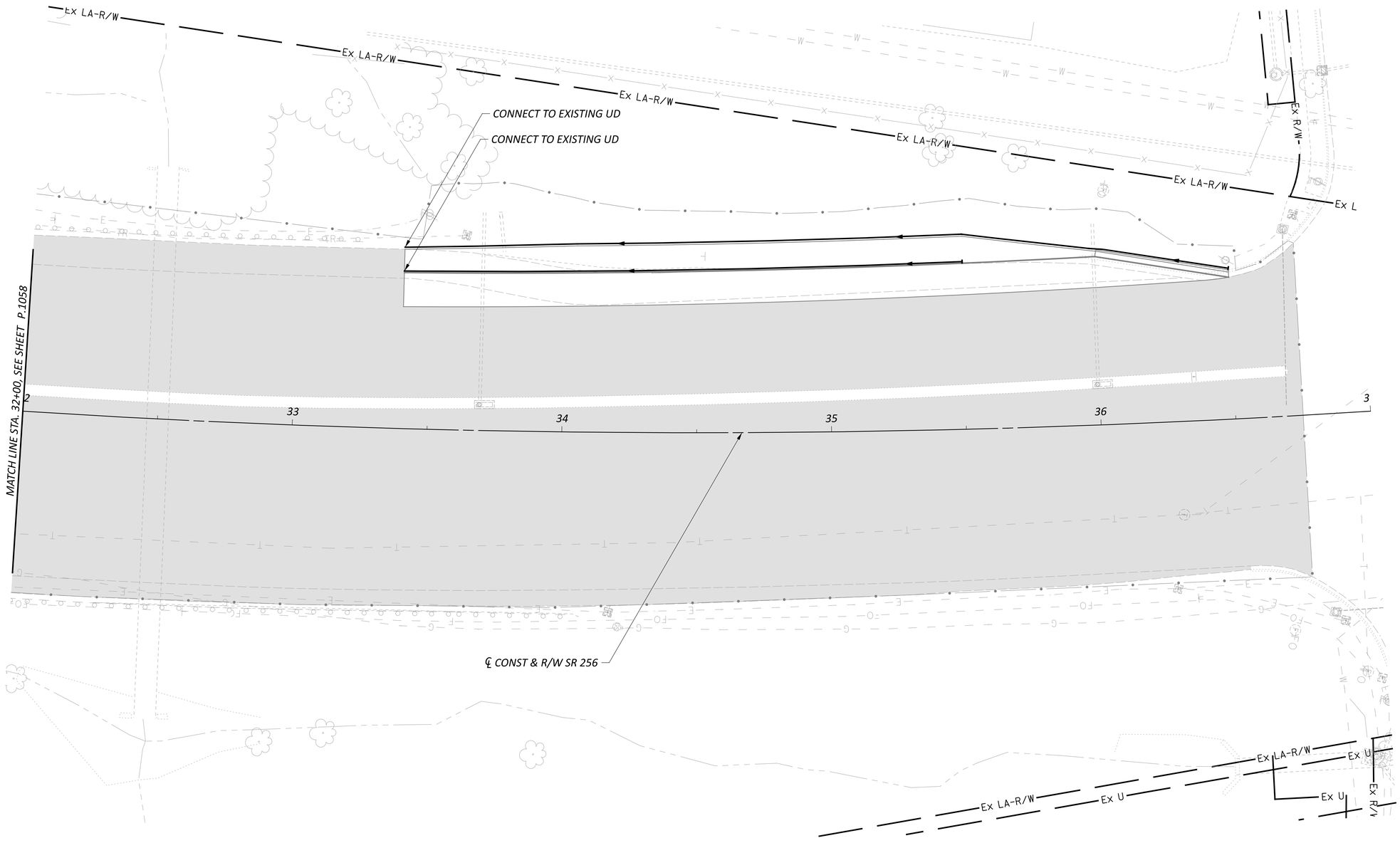


SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1058	P.1556	96808	XXX MM-DD-YY	XXX	AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - SR 256
STA 27+00.00 TO STA 32+00.00

HORIZONTAL SCALE IN FEET
0 40
20 80



HORIZONTAL SCALE IN FEET
0 20 40 80

UNDERDRAIN DETAILS - SR 256
STA 32+00.00 TO STA 37+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.1059 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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MODEL: Taylor_DP411 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:01 PM USER: brieder
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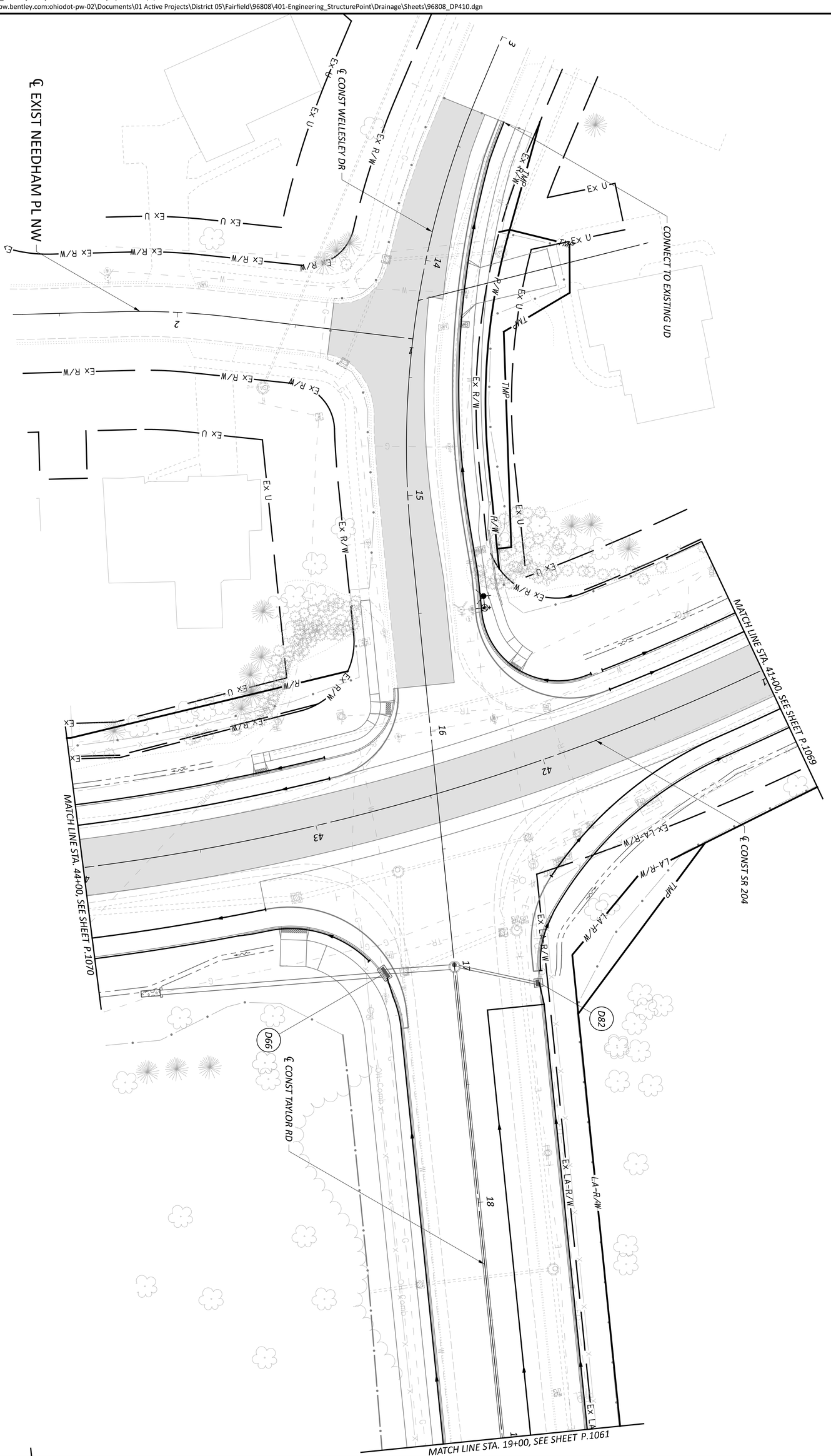

UNDERDRAIN DETAILS - TAYLOR RD
STA 13+00.00 TO STA 19+00.00

SHEET	TOTAL
P.1060	P.1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Taylor_DP412 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:10 PM USER: brieder
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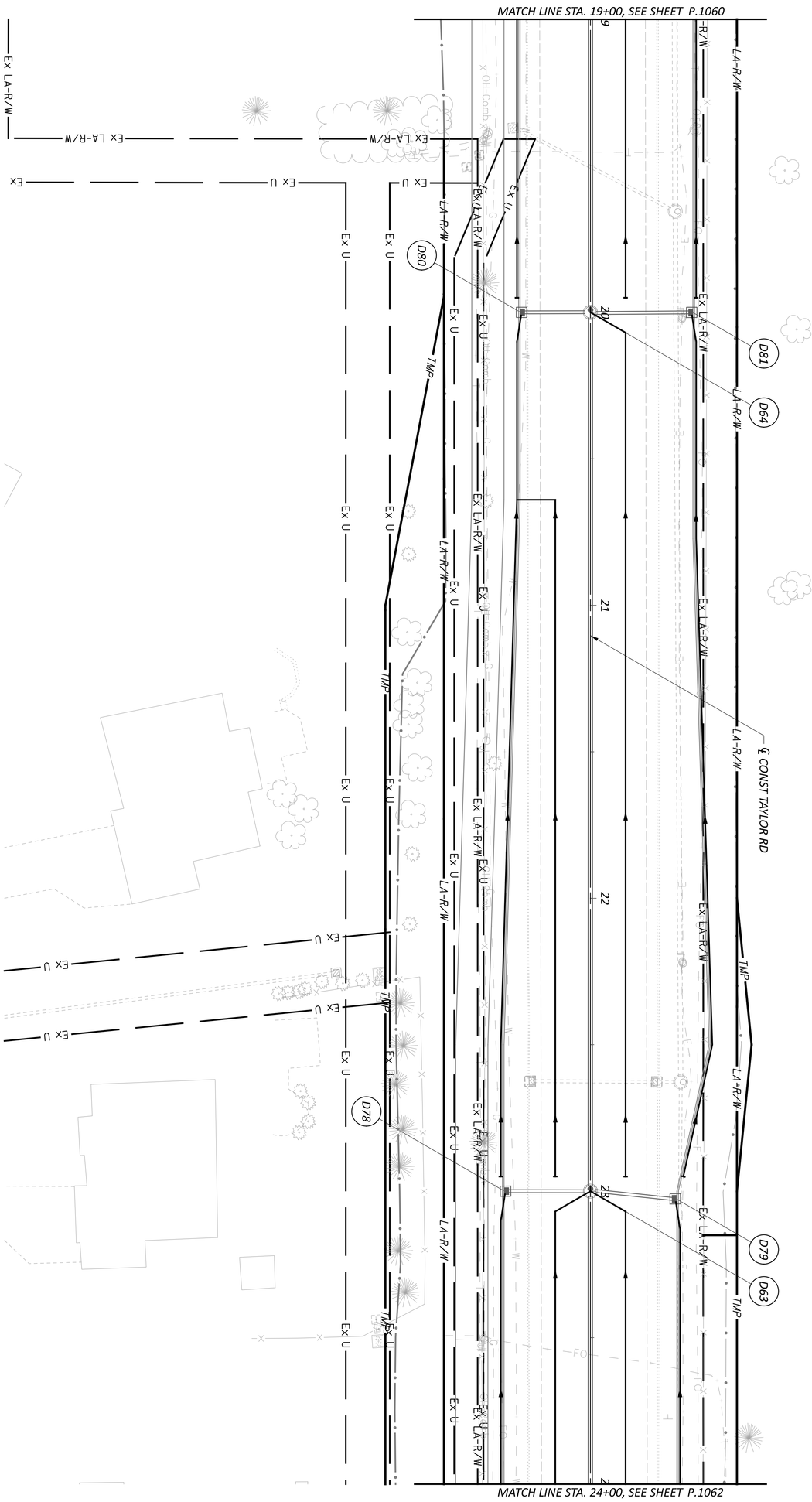

UNDERDRAIN DETAILS - TAYLOR RD
STA 19+00.00 TO STA 24+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1061	P.1556	96808	XXX MM-DD-YY	XXX	AMERICAN STRUCTUREPOINT INC.

MODEL: Taylor_DP413 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:11 PM USER: brieder
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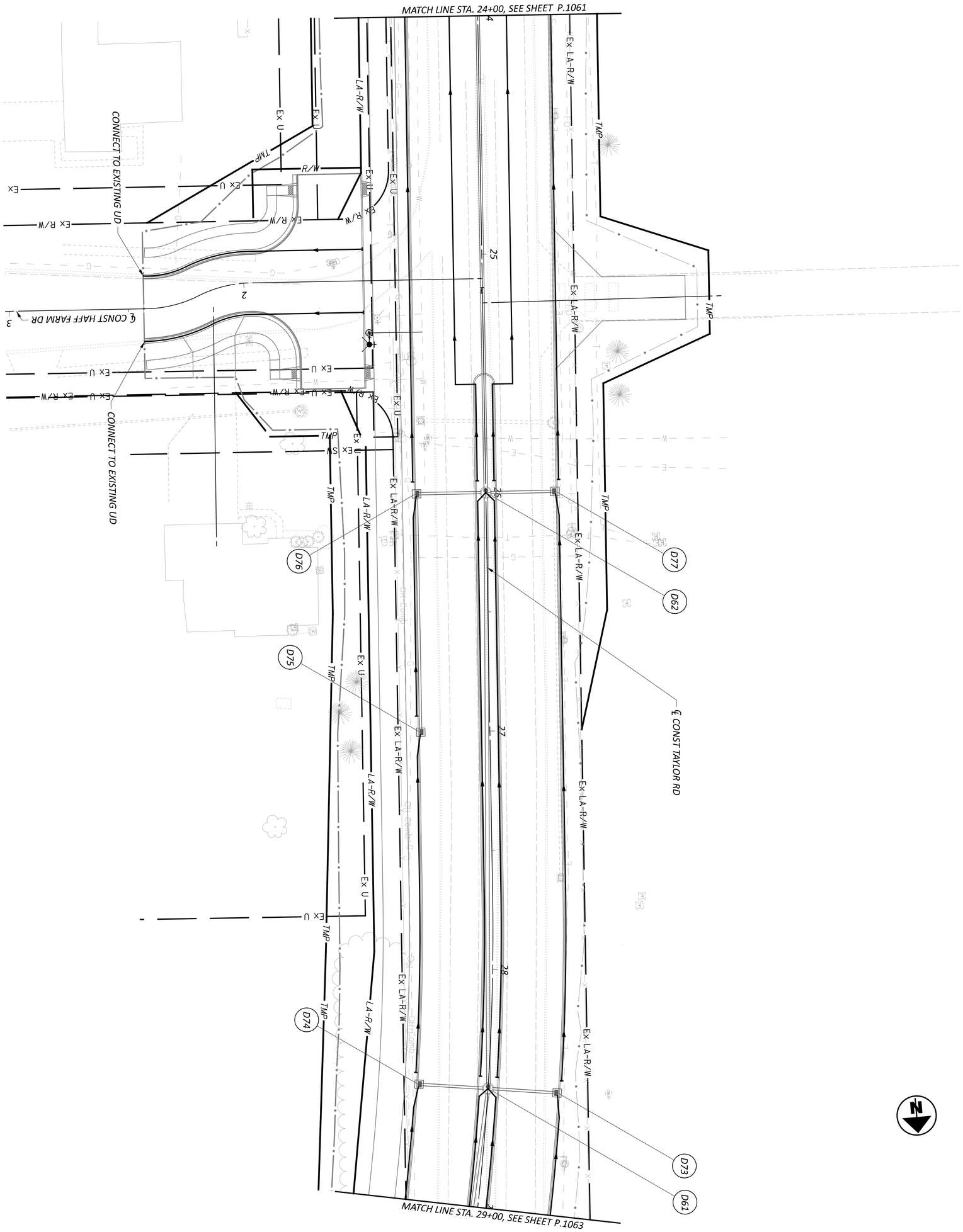

SHEET P.1062 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	UNDERDRAIN DETAILS - TAYLOR RD STA 24+00.00 TO STA 29+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Taylor_DP414 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:13 PM USER: brieder
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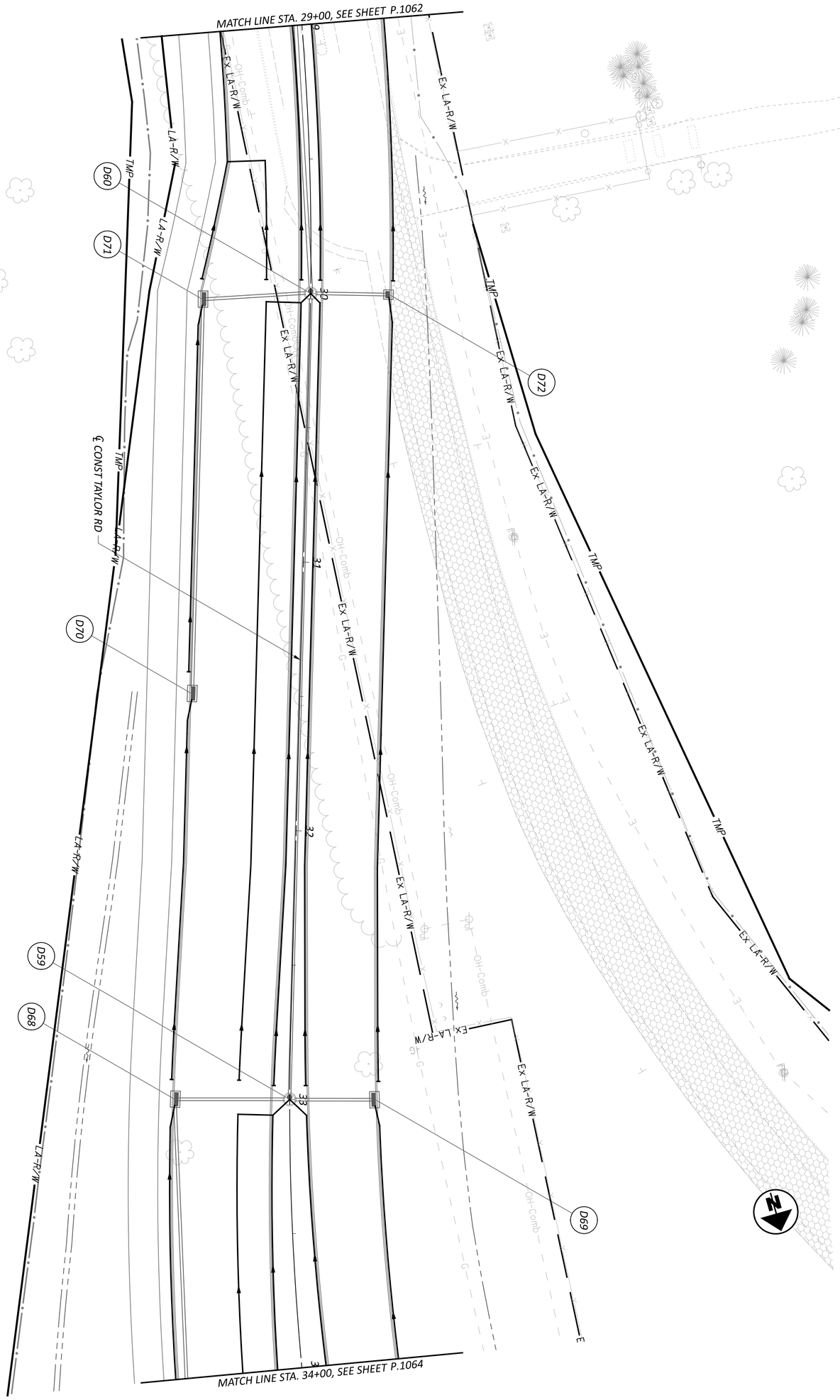

SHEET P.1063 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	UNDERDRAIN DETAILS - TAYLOR RD STA 29+00.00 TO STA 34+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Taylor_DP415 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:14 PM USER: brieder
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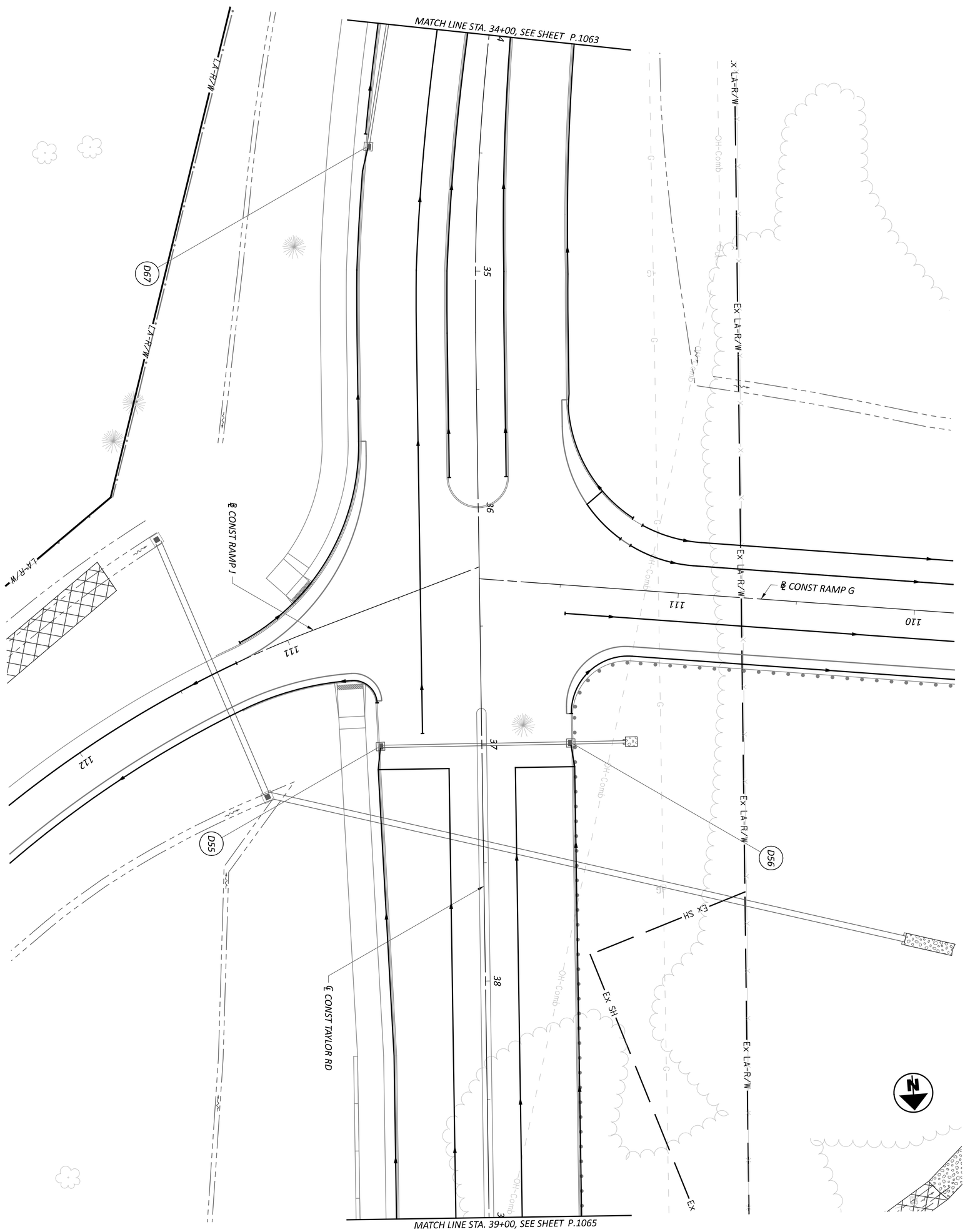

SHEET P.1064 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	UNDERDRAIN DETAILS - TAYLOR RD STA 34+00.00 TO STA 39+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Taylor_DP416 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:15 PM USER: brieder
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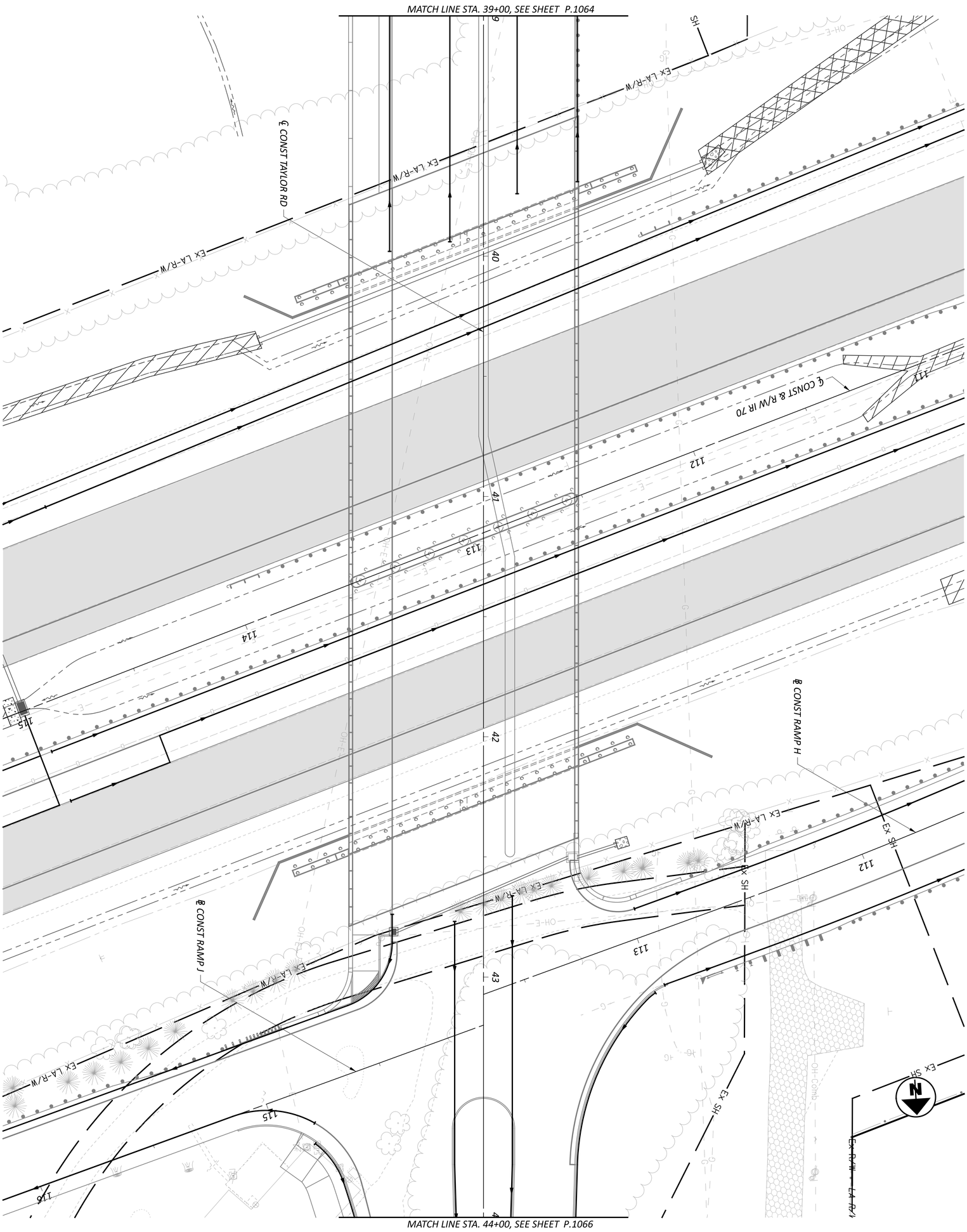

SHEET P.1065 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	UNDERDRAIN DETAILS - TAYLOR RD STA 39+00.00 TO STA 44+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Taylor_DP417 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:16 PM USER: brieder
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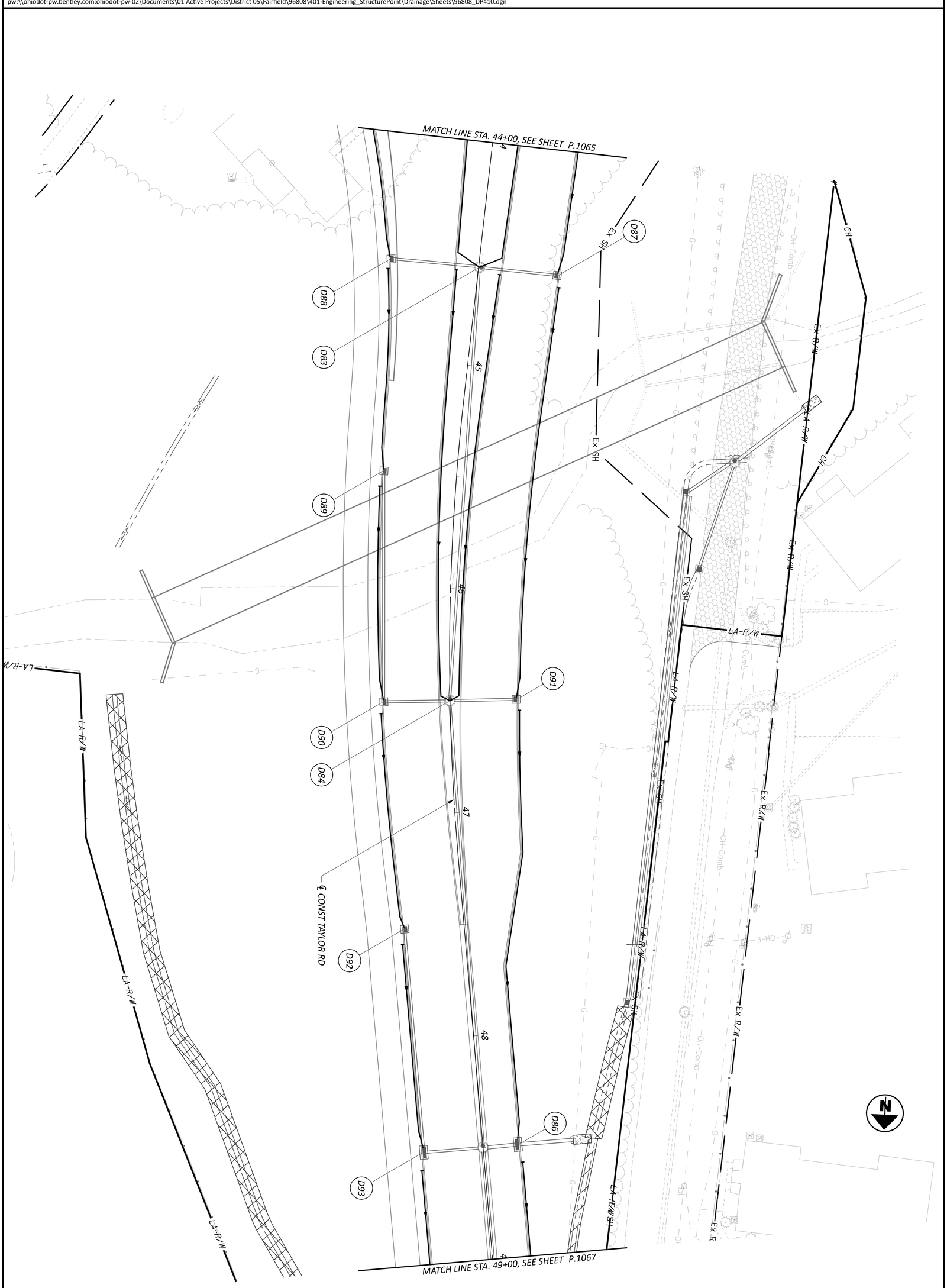

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
XXX	XXX MM-DD-YY	96808	P.1066	P.1556

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - TAYLOR RD
STA 44+00.00 TO STA 49+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Taylor_DP418 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:18 PM USER: brieder
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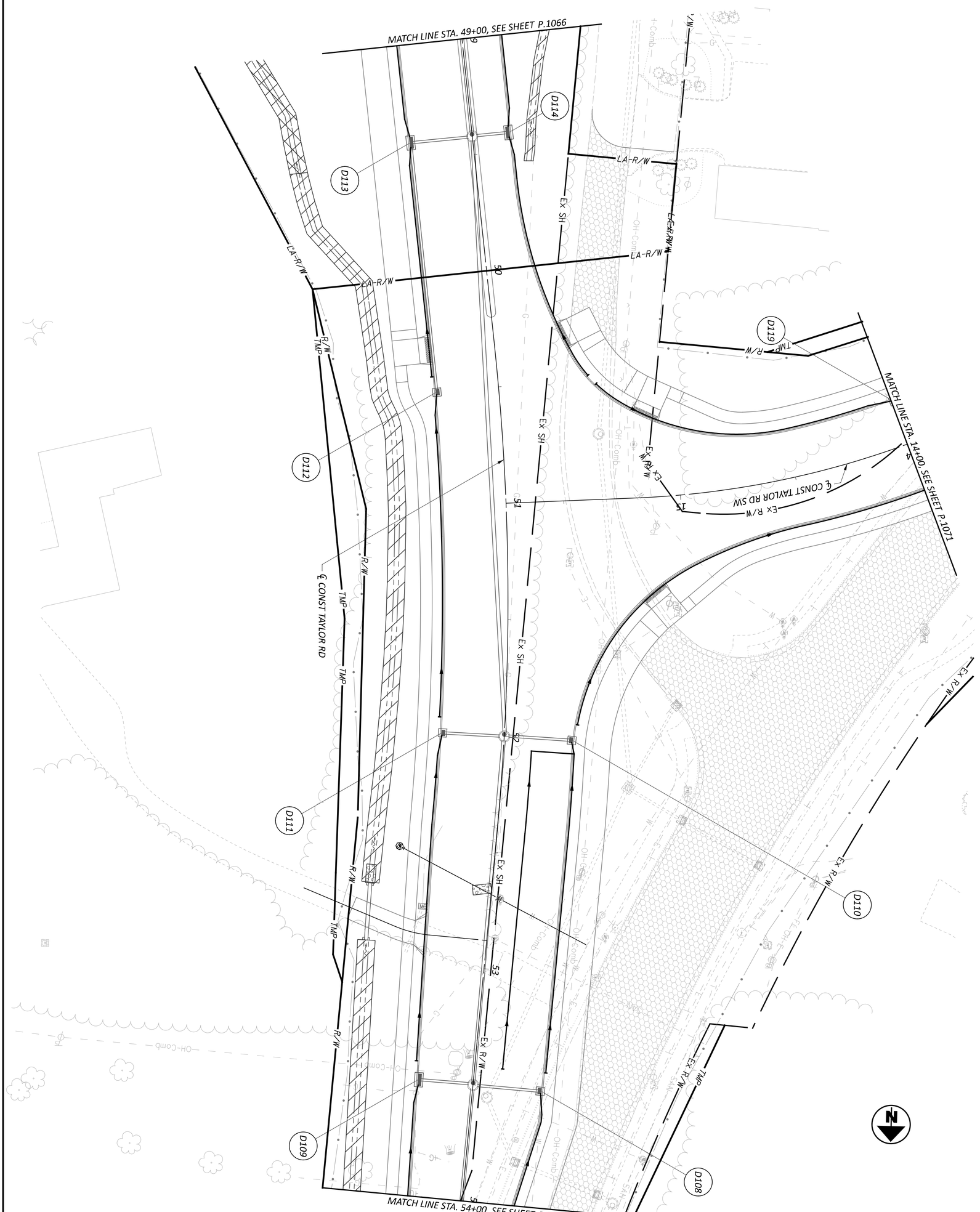

UNDERDRAIN DETAILS - TAYLOR RD
STA 49+00.00 TO STA 54+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.1067	P.1556

PROJECT ID: 96808

REVIEWER: XXX MM-DD-YY

DESIGNER: XXX

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: Taylor_DP419 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:19 PM USER: brieder
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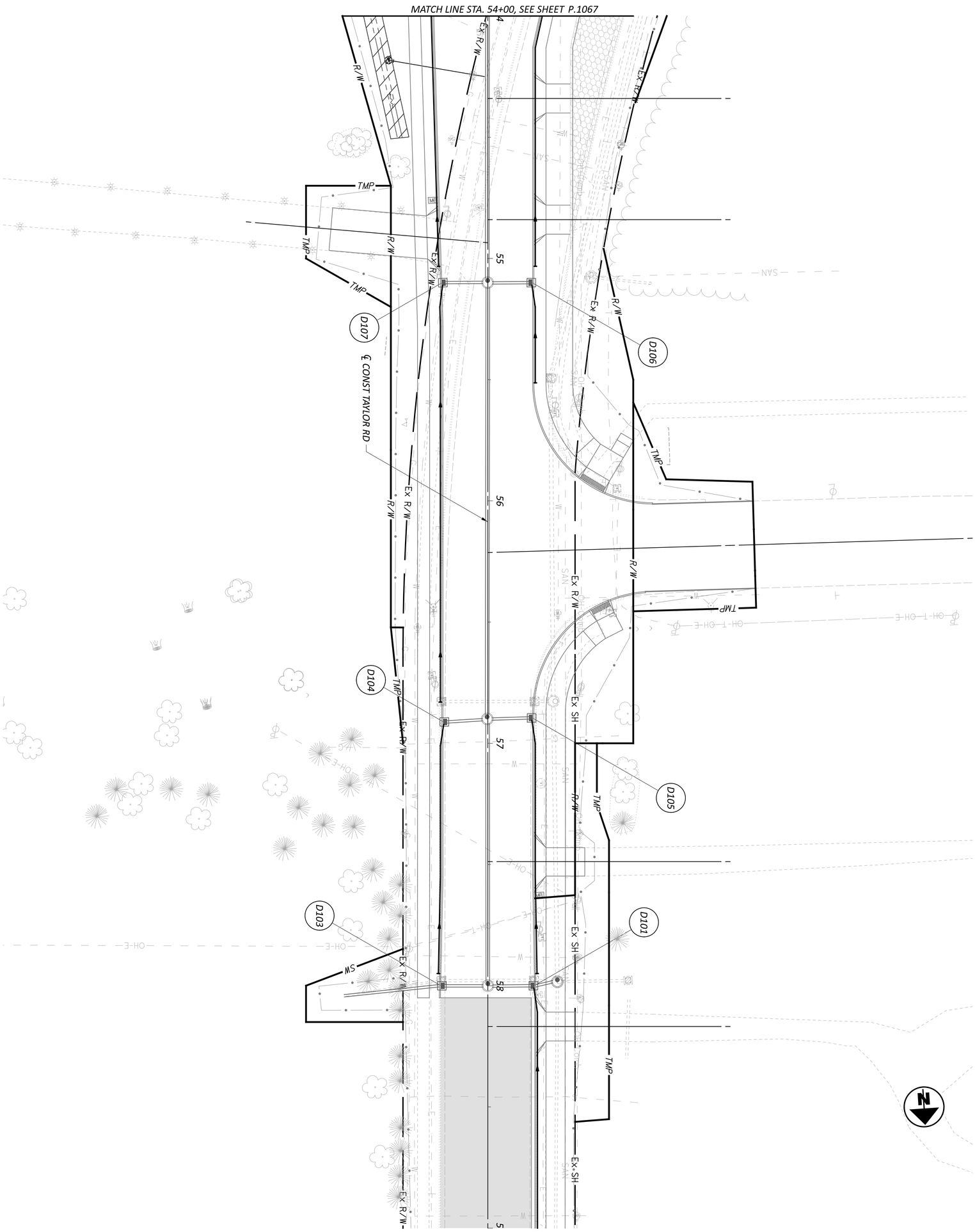

SHEET P.1068 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	UNDERDRAIN DETAILS - TAYLOR RD STA 54+00.00 TO STA 59+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 204_DP422 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:37 PM USER: brieder
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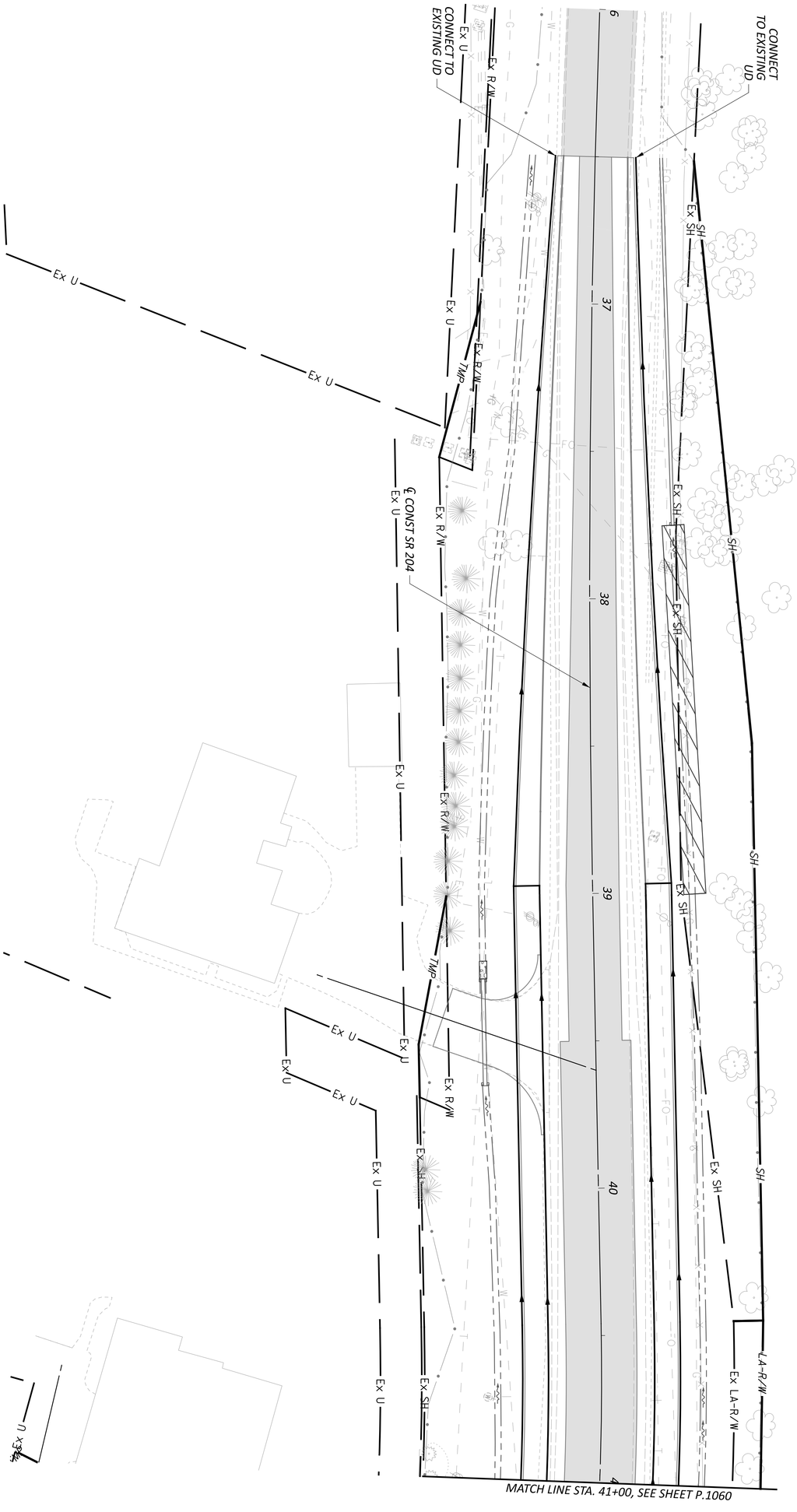

SHEET P.1069 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	UNDERDRAIN DETAILS -SR 204 STA 36+00.00 TO STA 41+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 204_DP423 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:39 PM USER: brieder
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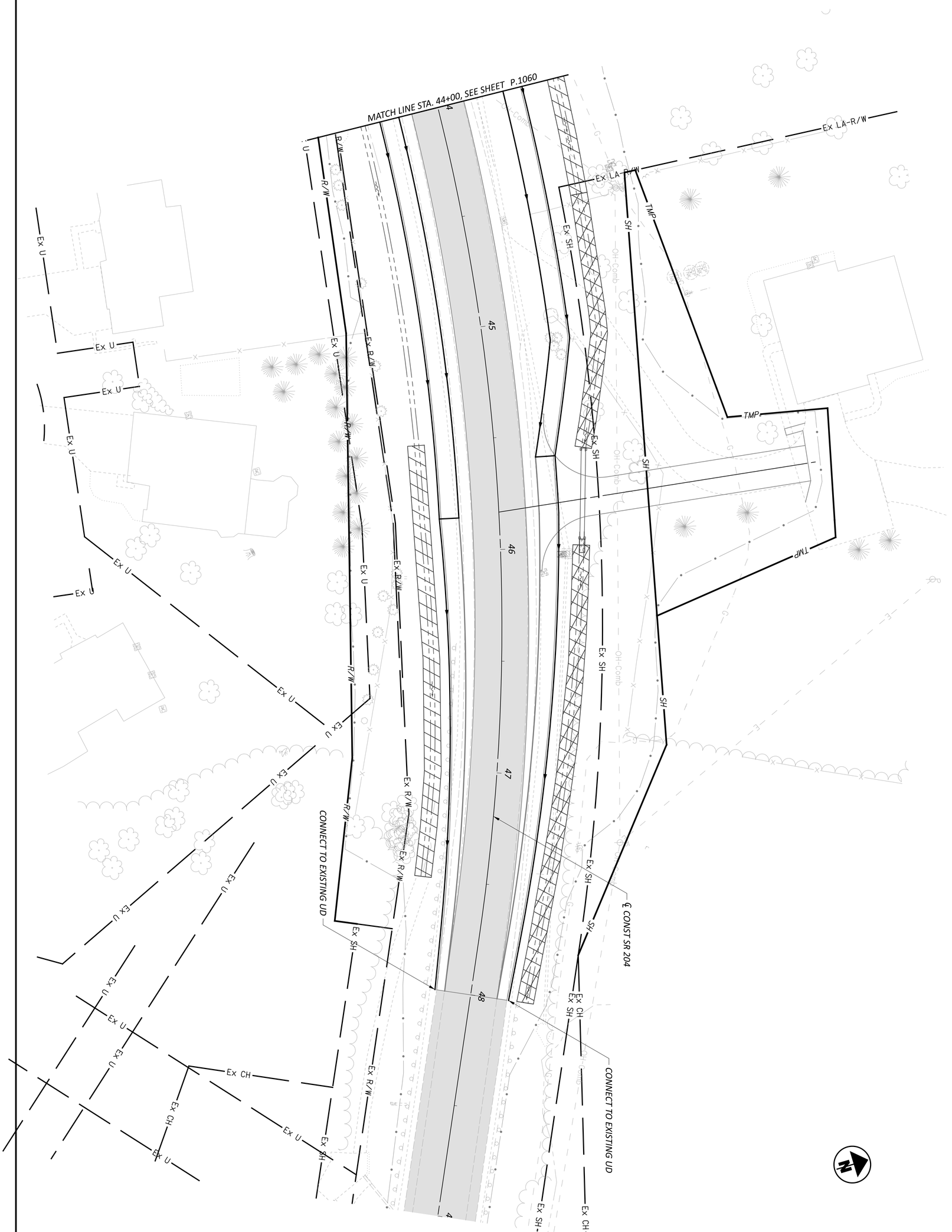

SHEET P.1070 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

UNDERDRAIN DETAILS - SR 204
STA 44+00.00 TO STA 49+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: TaylorSW_DP425 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:33:46 PM USER: brieder
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SHEET P.1071 | TOTAL P.1556	PROJECT ID 96808	XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY

UNDERDRAIN DETAILS - TAYLOR RD SW
STA 9+00.00 TO STA 14+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Palmer_DP431 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:34:04 PM USER: brieder
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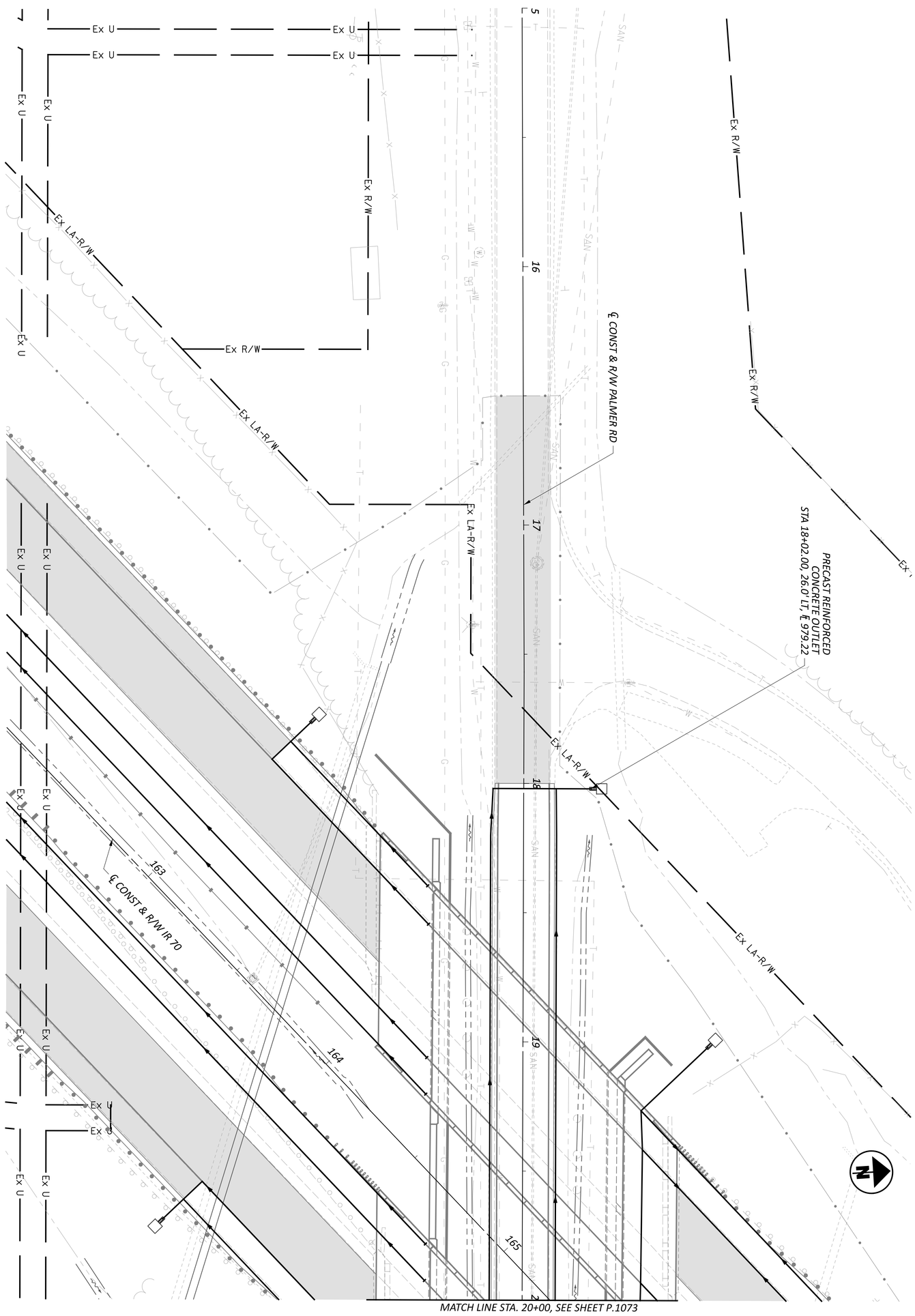

SHEET P.1072 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	UNDERDRAIN DETAILS - PALMER RD STA 15+00.00 TO STA 20+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Palmer_DP432 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:34:05 PM USER: brieder
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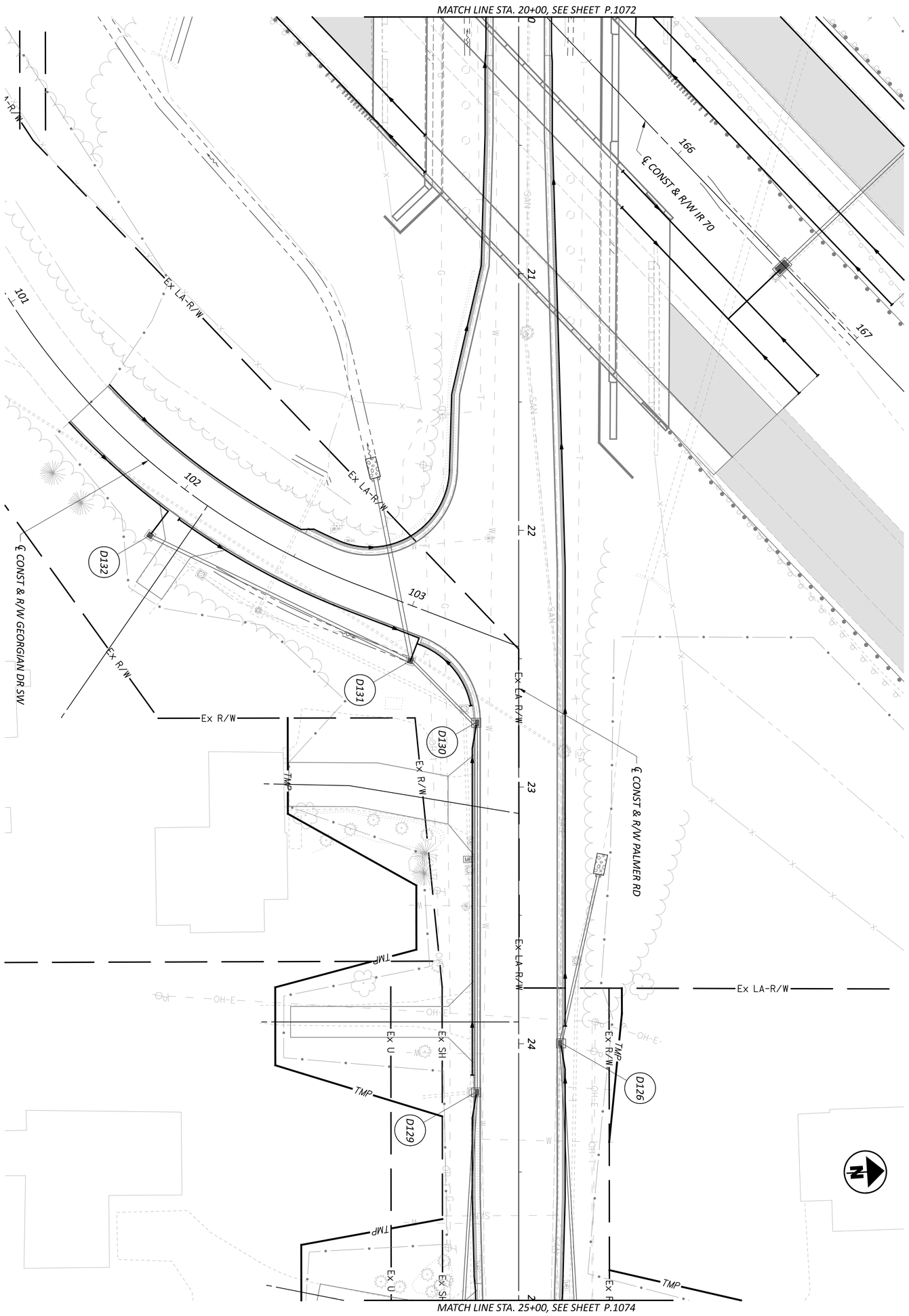
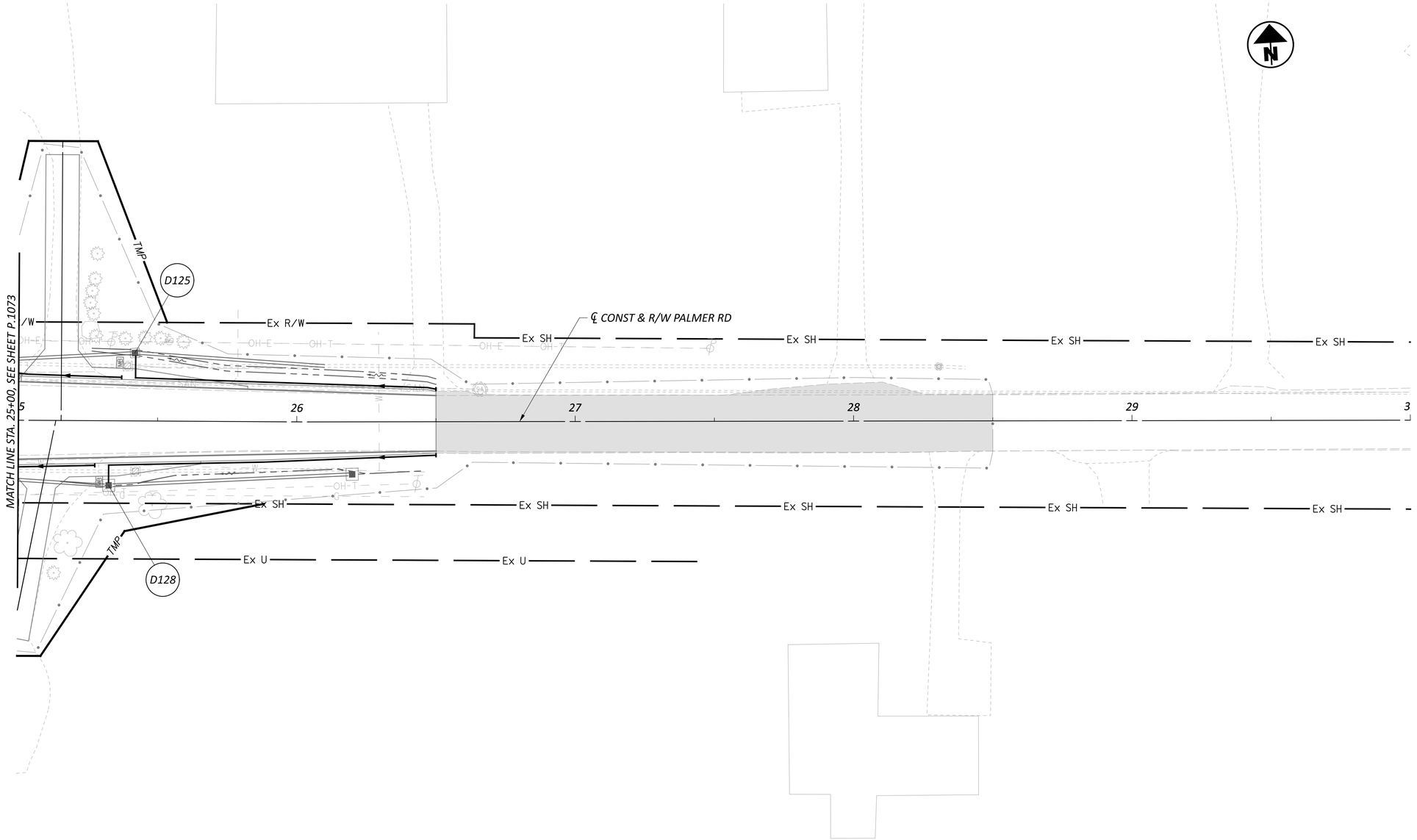


SHEET P.1073 TOTAL P.1556	PROJECT ID 96808	REVIEWER XXX MM-DD-YY	DESIGNER XXX	AMERICAN STRUCTUREPOINT INC.	DESIGN AGENCY

UNDERDRAIN DETAILS - PALMER RD
STA 20+00.00 TO STA 25+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40



HORIZONTAL SCALE IN FEET
0 10 20 40

UNDERDRAIN DETAILS - PALMER RD
STA 25+00.00 TO STA 30+00.00

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
96808

SHEET P.1074 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Palmer_DP433 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:34:10 PM USER: brieder
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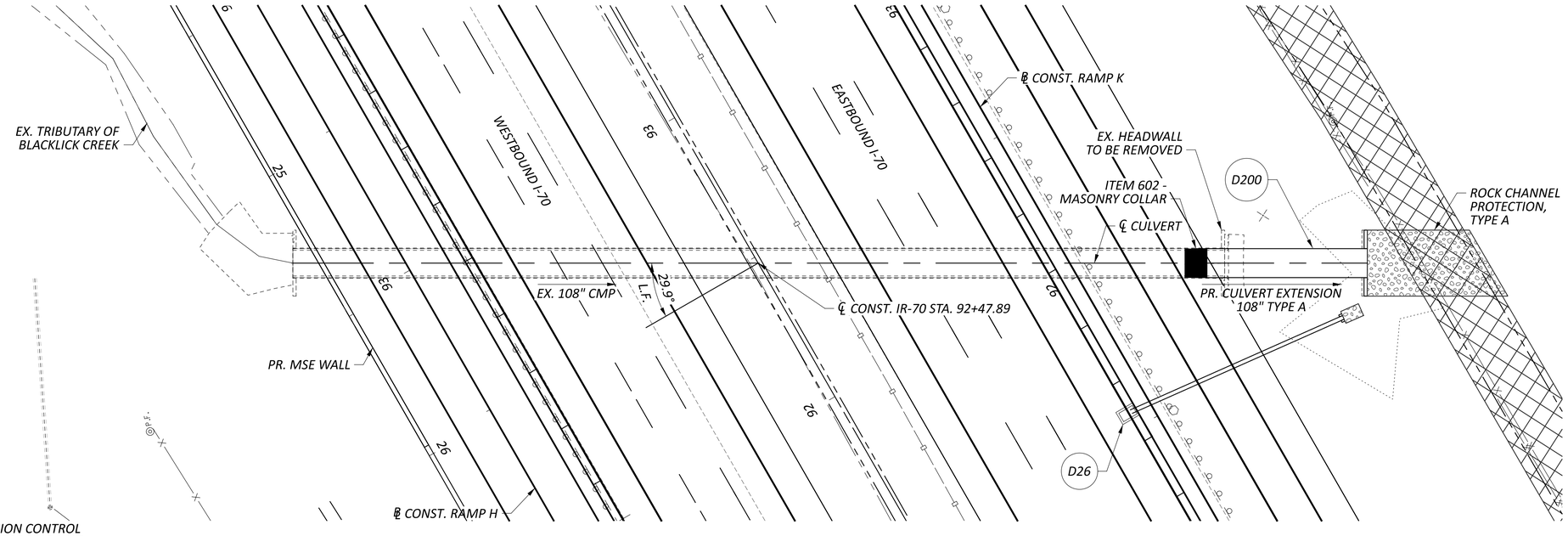


HORIZONTAL SCALE IN FEET
0 10 20 40

LEGEND

ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT

EXISTING STRUCTURE

TYPE: CORRUGATED METAL
SIZE: 108"
SKEW: 29.9° L.F.
ALIGNMENT: TANGENT
DATE BUILT: 1/2/1999
CONDITION: SATISFACTORY
CFN: 1886368

PROPOSED STRUCTURE

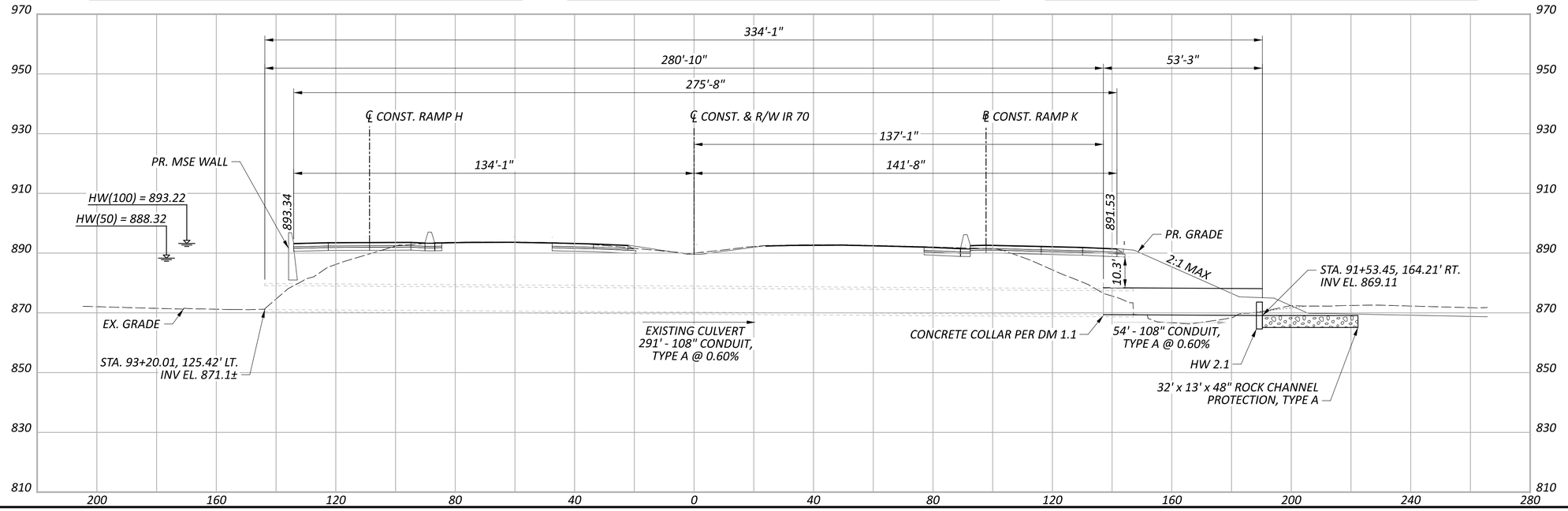
TYPE: 108" TYPE A 707.02 (0.064) ALUMINIZED, 707.04 (0.064), 707.07 (0.064) ALUMINIZED, 707.22
SKEW: 29.9° L.F.
ALIGNMENT: TANGENT
CFN:

HYDRAULIC DATA

DRAINAGE AREA = 1550 ACRES

Q (50) =	940 CFS	V (50) =	16.55 FT/S	HW (50) =	888.32 FT
Q (100) =	1124 CFS	V (100) =	18.72 FT/S	HW (100) =	893.22 FT

ORDINARY HIGH WATER MARK: 874.88 FT
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 2.0
pH: 7.5



CULVERT DETAIL
IR 70 - STA. 92+47.89

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1075
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Culvert - I70 Sta 92+50 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:36:07 PM USER: brieder
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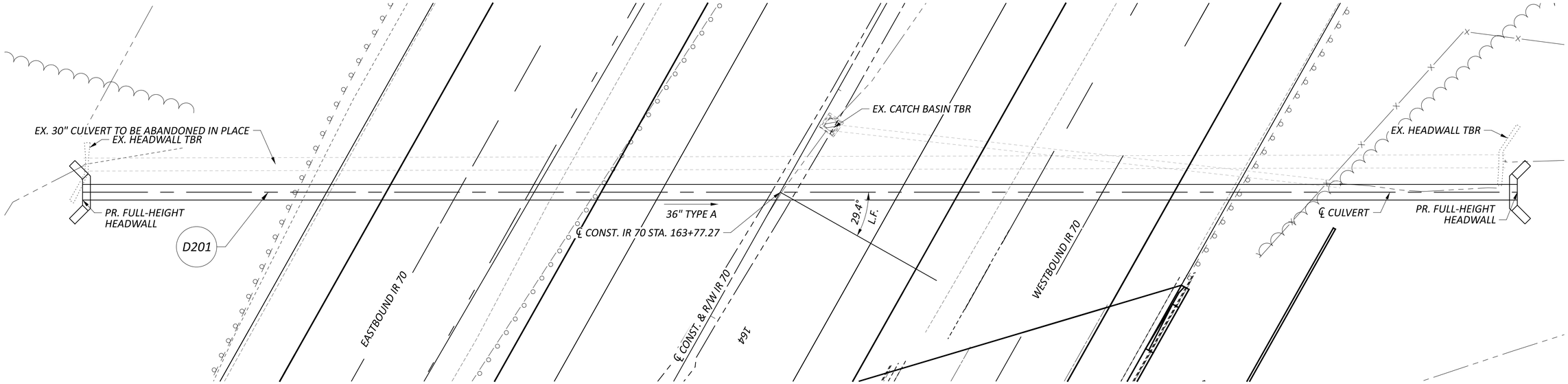


HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAIL
IR 70 - STA. 163+77.60

EXISTING STRUCTURE

TYPE: CIRCULAR CONCRETE
SIZE: 30"
SKEW: 30° L.F.
ALIGNMENT: TANGENT
DATE BUILT: 01/01/1967
CONDITION: GOOD
CFN: 1879541

PROPOSED STRUCTURE

TYPE: 36" CIRCULAR CONDUIT, TYPE A, 706.01, 706.02, 707.18 (0.064) GALVANIZED, 707.19 (0.064) ALUMINIZED, 706.33, 707.35, OR 707.42

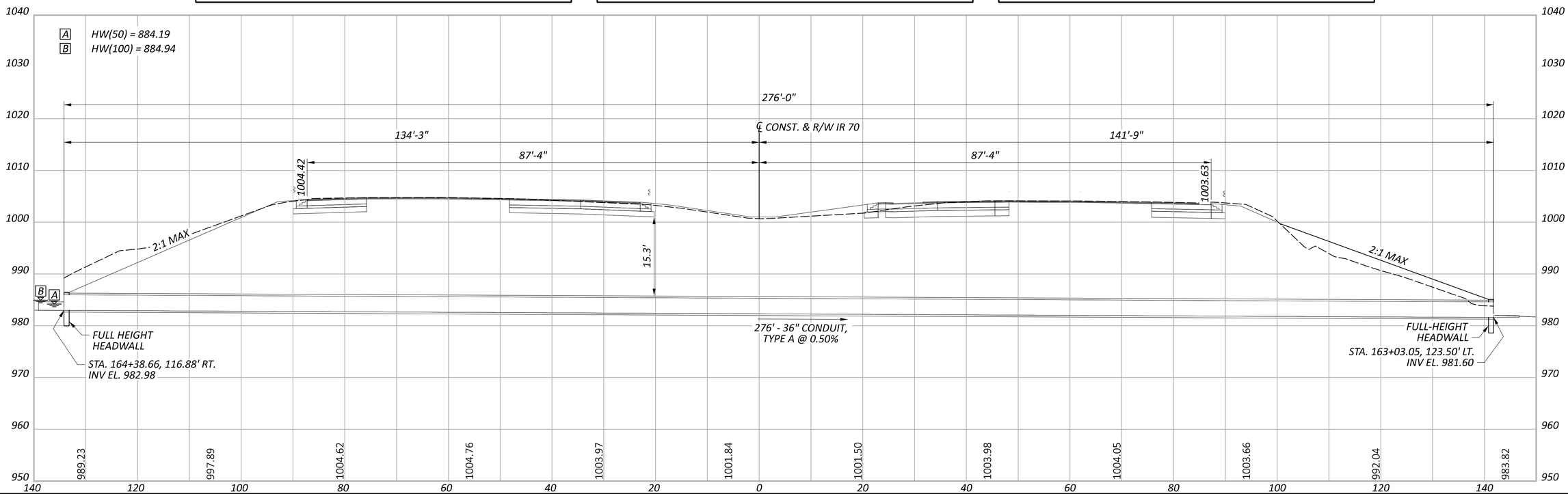
SKEW: 29.4° L.F.
ALIGNMENT: TANGENT
CFN: TBD

HYDRAULIC DATA

DRAINAGE AREA = 12.79 ACRES

Q (50) =	12.72 CFS	V (50) =	1.80 FT/S	HW (50) =	984.94 FT
Q (100) =	13.91 CFS	V (100) =	1.97 FT/S	HW (100) =	985.19 FT

ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 4.0
pH: 7.6



DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER CEF
REVIEWER BAA 05/02/25
PROJECT ID 96808
SHEET P.1076 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_DC210 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:36:25 PM USER: brieder
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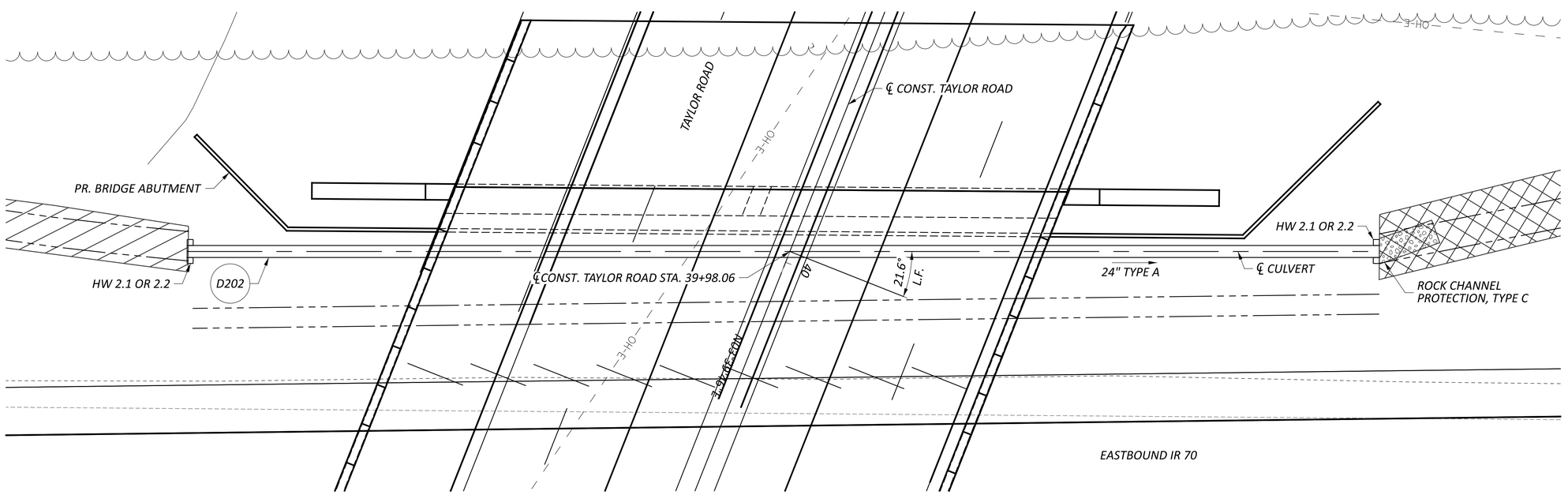


PROPOSED STRUCTURE

TYPE: 24" CIRCULAR CONDUIT, TYPE A, 706.01, 706.02, 707.01 (0.218) GALVANIZED, 707.01 (0.064) ALUMINIZED, 707.04 (0.064) POLYMERIC COATED, 706.33, 707.35, OR 707.42

SKEW: 21.6° L.F.

ALIGNMENT: TANGENT

CFN: TBD

HYDRAULIC DATA

DRAINAGE AREA = 3.12 ACRES

Q (50) =	9.42 CFS	V (50) =	7.82 FT/S	HW (50) =	931.03 FT
Q (100) =	9.68 CFS	V (100) =	7.87 FT/S	HW (100) =	931.09 FT

ORDINARY HIGH WATER MARK: N/A

DESIGN SERVICE LIFE: 75 YEARS

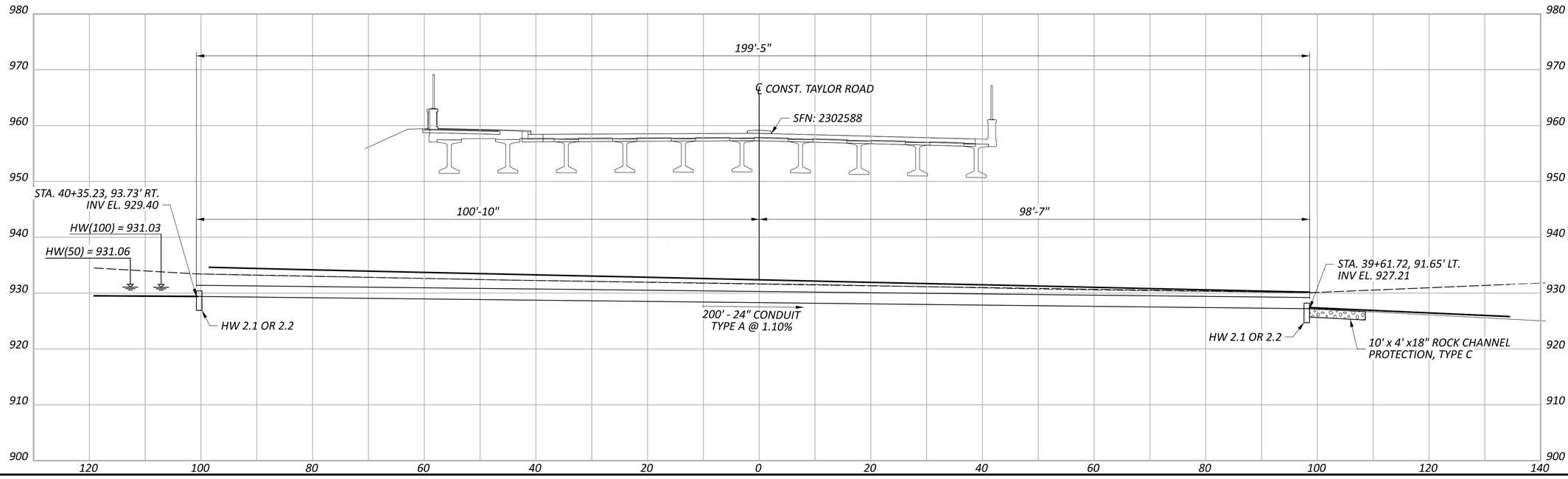
ABRASION LEVEL: 2.0

pH: 7.6

LEGEND

ITEM 670 - SLOPE EROSION PROTECTION MAT

ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAIL
TAYLOR ROAD BRIDGE ABUTMENT

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1077
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_DC203 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:36:44 PM USER: brieder
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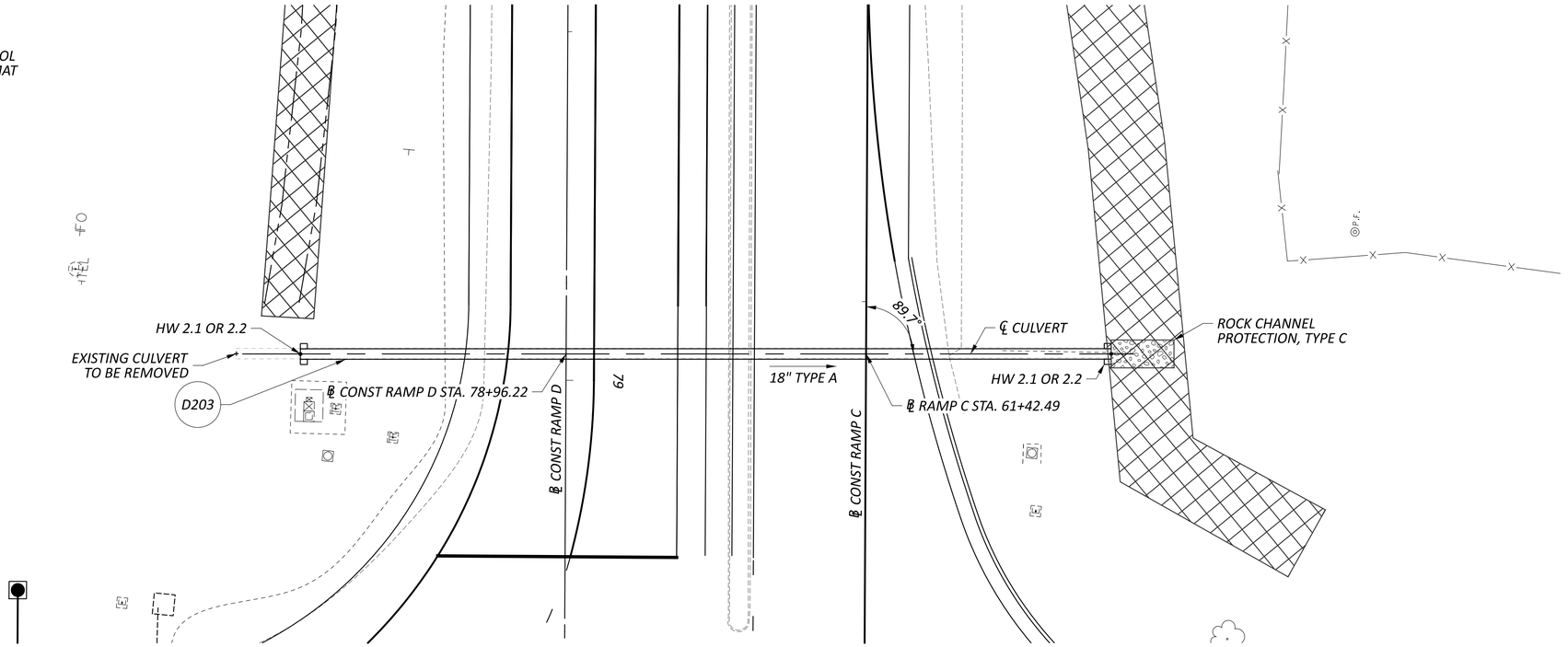
LEGEND

ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



HORIZONTAL SCALE IN FEET
0 5 10 20

EXISTING STRUCTURE

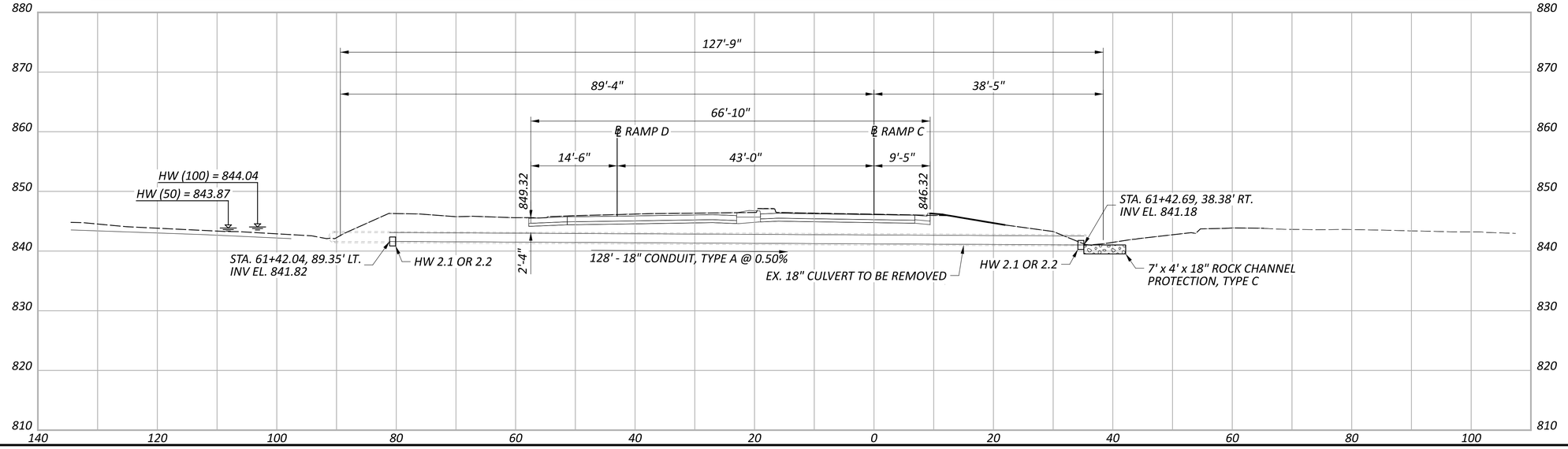
TYPE: CORRUGATED PLASTIC
SIZE: 18"
SKEW: 0.3° R.F.
ALIGNMENT: TANGENT
DATE BUILT: _
CONDITION: GOOD
CFN: 1876344

PROPOSED STRUCTURE

TYPE: 18" CIRCULAR CONDUIT, TYPE A, 707.01 (0.218) GALVANIZED, 707.01 (0.064) ALUMINIZED, 707.04 (0.064) POLYMERIC COATED, 706.01, 706.02, 707.33, 707.35, OR 707.42
SKEW: 0.3° R.F.
ALIGNMENT: TANGENT
CFN: TBD

HYDRAULIC DATA

DRAINAGE AREA = 3.57 ACRES
Q (50) = 8.88 CFS V (50) = 6.09 FT/S HW (50) = 843.87 FT
Q (100) = 9.54 CFS V (100) = 6.33 FT/S HW (100) = 844.04 FT
ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 2.0
pH: 7.5



CULVERT DETAIL
RAMP C - STA. 61+42.49

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER CEF
REVIEWER BAA 05/02/25
PROJECT ID 96808
SHEET P.1078 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Ramp C - Sta 61+40 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:37:00 PM USER: brieder
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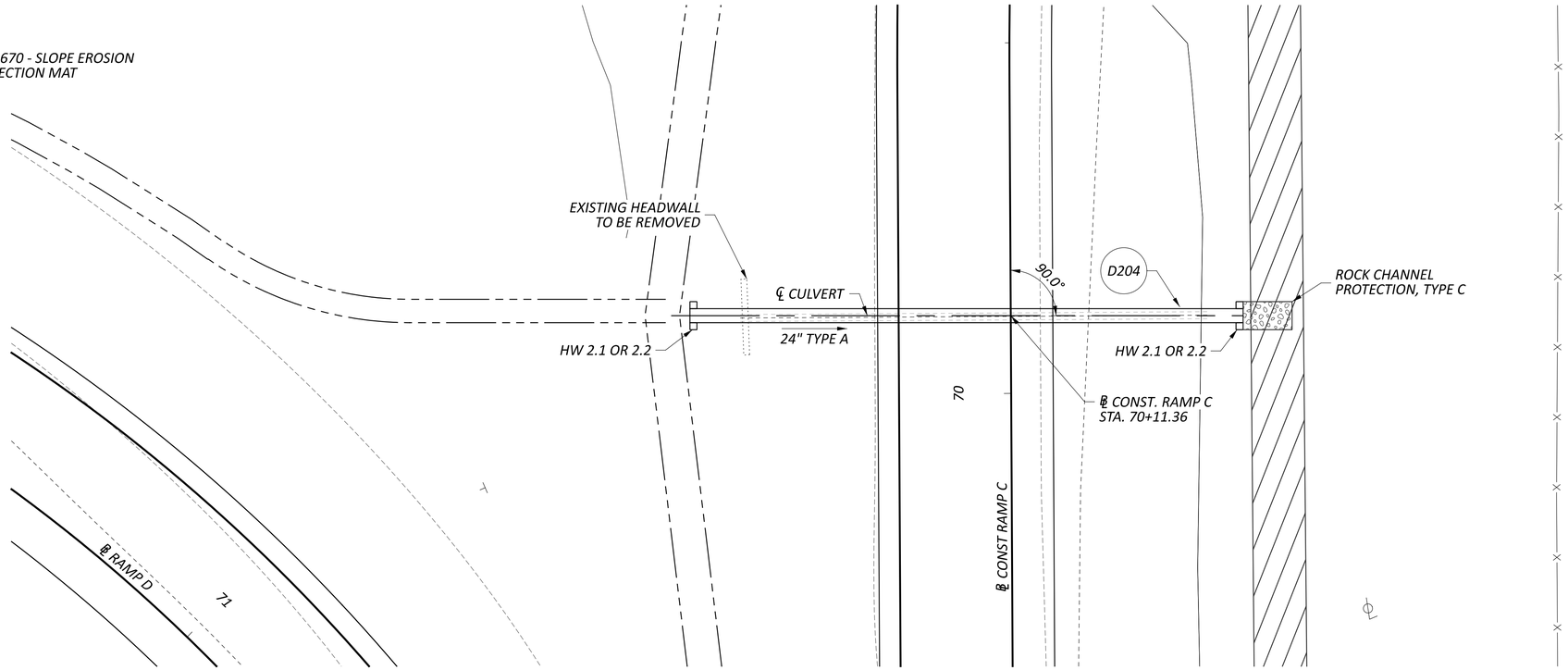
LEGEND

ITEM 670 - SLOPE EROSION PROTECTION MAT



EXISTING STRUCTURE

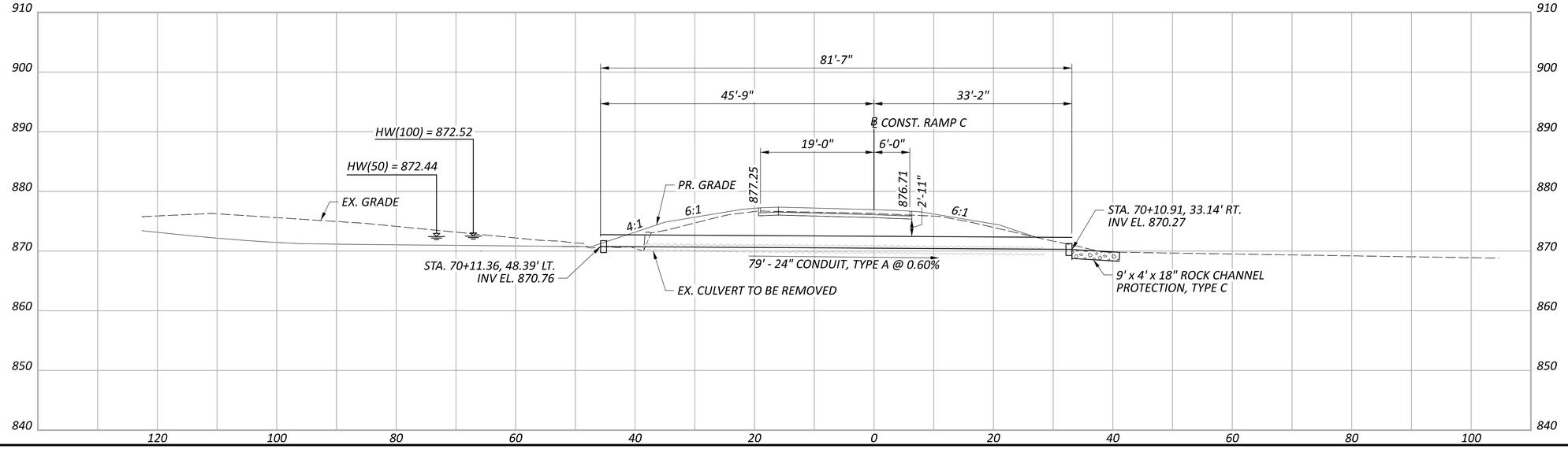
TYPE: CIRCULAR CONCRETE
SIZE: 24"
SKEW: 0.0°
ALIGNMENT: TANGENT
DATE BUILT: 7/1/1966
CONDITION: GOOD
CFN: 1984377

PROPOSED STRUCTURE

TYPE: 24" CIRCULAR CONDUIT, TYPE A, 707.01 (0.218) GALVANIZED, 707.01 (0.064) ALUMINIZED), 707.04 POLYMERIC COATED, 706.01, 706.02, 707.33, 707.35 OR 707.42
SKEW: 0.0°
ALIGNMENT: TANGENT
CFN:

HYDRAULIC DATA

DRAINAGE AREA = 3.63 ACRES
Q (50) = 9.81 CFS V (50) = 6.11 FT/S HW (50) = 872.44 FT
Q (100) = 10.55 CFS V (100) = 6.22 FT/S HW (100) = 872.52 FT
ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 1.0
pH: 7.6



HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAIL
RAMP C - STA. 70+11.09

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER CEF
REVIEWER BAA 05/02/25
PROJECT ID 96808
SHEET P.1079 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Ramp C - Sta 70+11 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:37:21 PM USER: brieder
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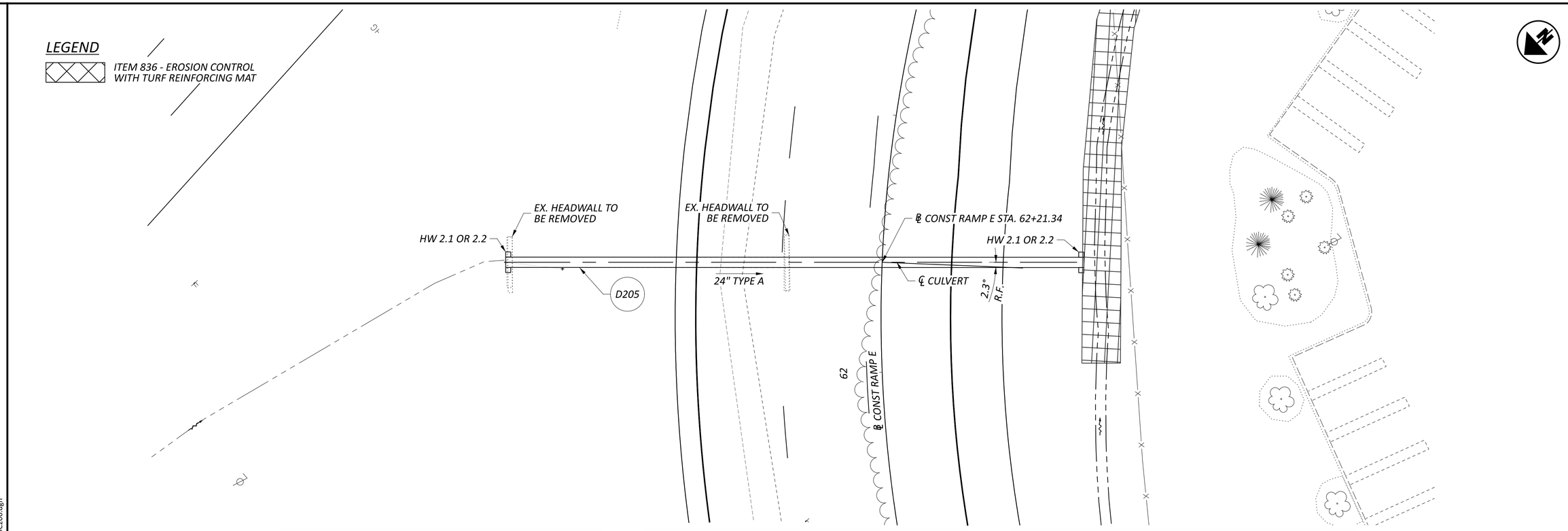
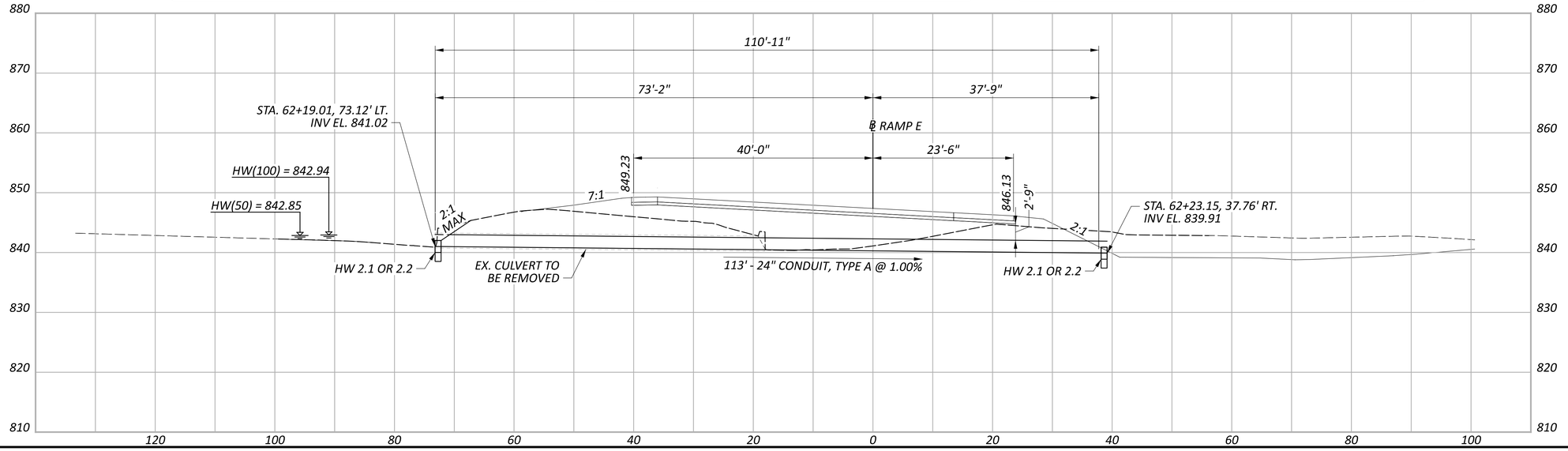


EXISTING STRUCTURE	PROPOSED STRUCTURE	HYDRAULIC DATA
TYPE: CIRCULAR CONCRETE	TYPE: 24" CIRCULAR CONDUIT, TYPE A, 707.01 (0.218) GALVANIZED, 707.01 (0.064) ALUMINIZED), 707.04 POLYMERIC COATED, 706.01, 706.02, 707.33, 707.35 OR 707.42	DRAINAGE AREA = 3.20 ACRES
SIZE: 24"	SKEW: 2.3° R.F.	Q (50) = 11.25 CFS V (50) = 3.71 FT/S HW (50) = 842.85 FT
SKEW: 2.3° R.F.	ALIGNMENT: CURVE	Q (100) = 12.10 CFS V (100) = 3.95 FT/S HW (100) = 842.94 FT
ALIGNMENT: CURVE	CFN:	ORDINARY HIGH WATER MARK: N/A
DATE BUILT: 7/1/1966		DESIGN SERVICE LIFE: 75 YEARS
CONDITION: GOOD		ABRASION LEVEL: 1.0
CFN: 1984376		pH: 7.6



HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAIL
RAMP E - STA. 62+21.34

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER
CEF

REVIEWER
BAA 05/02/25

PROJECT ID
96808

SHEET P.1080 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: Ramp E - Sta. 62+20 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:37:43 PM USER: brieder
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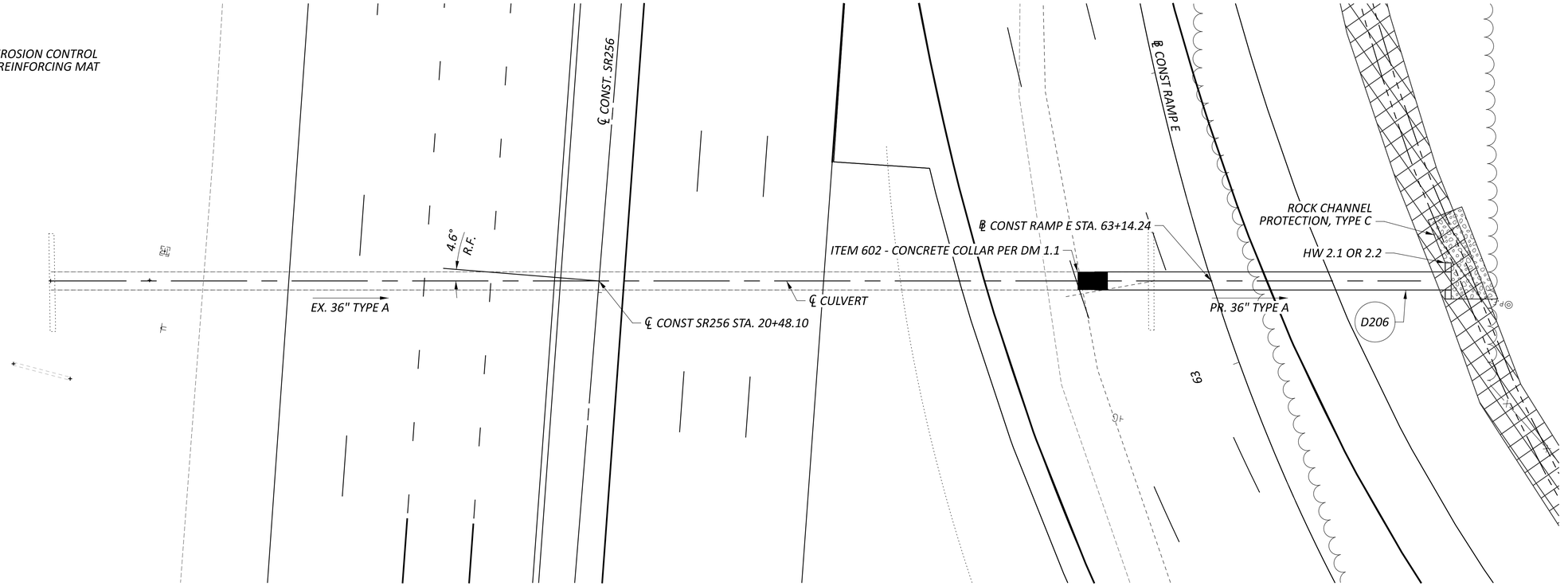
LEGEND

ITEM 836 - EROSION CONTROL WITH TURF REINFORCING MAT



HORIZONTAL SCALE IN FEET
0 5 10 20

EXISTING STRUCTURE

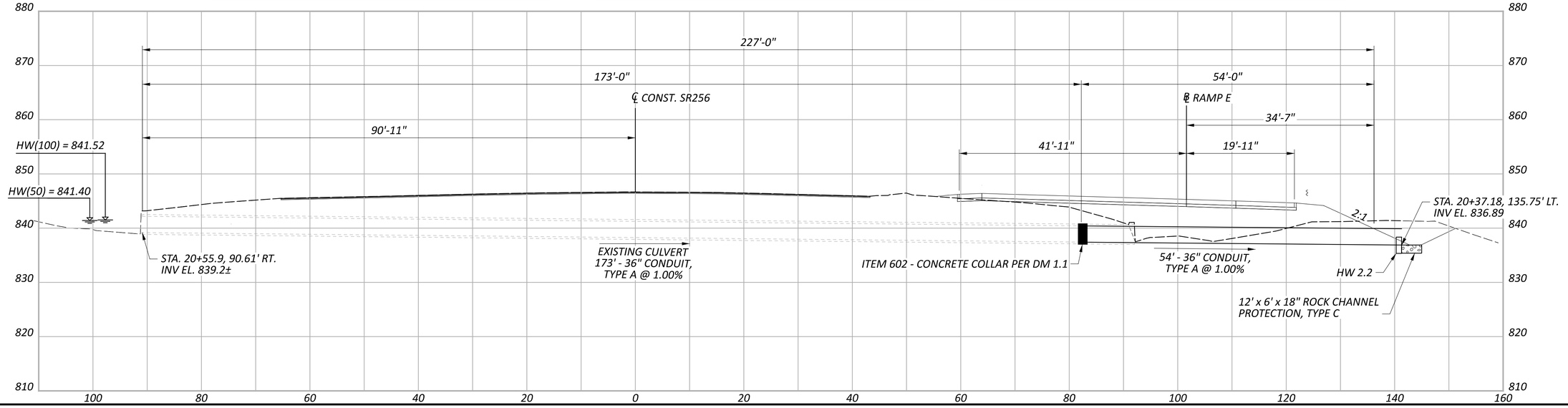
TYPE: CONCRETE
SIZE: 36" CIRCULAR
SKEW: 4.6° R.F.
ALIGNMENT: TANGENT
DATE BUILT:
CONDITION: GOOD
CFN: 1876343

PROPOSED STRUCTURE

TYPE: 36" CIRCULAR CONCRETE CONDUIT, TYPE A, 706.01 OR 706.02
SKEW: 4.6° R.F.
ALIGNMENT: TANGENT
CFN:

HYDRAULIC DATA

DRAINAGE AREA = 15.95 ACRES
Q (50) = 21.89 CFS V (50) = 9.02 FT/S HW (50) = 841.40 FT
Q (100) = 24.01 CFS V (100) = 9.14 FT/S HW (100) = 841.52 FT
ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 1.0
pH: 7.6



CULVERT DETAIL
SR256 - STA. 20+48.10

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER CEF
REVIEWER BAA 05/02/25
PROJECT ID 96808
SHEET P.1081 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: SR256 - 20+48 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:38:03 PM USER: brieder
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EXISTING STRUCTURE

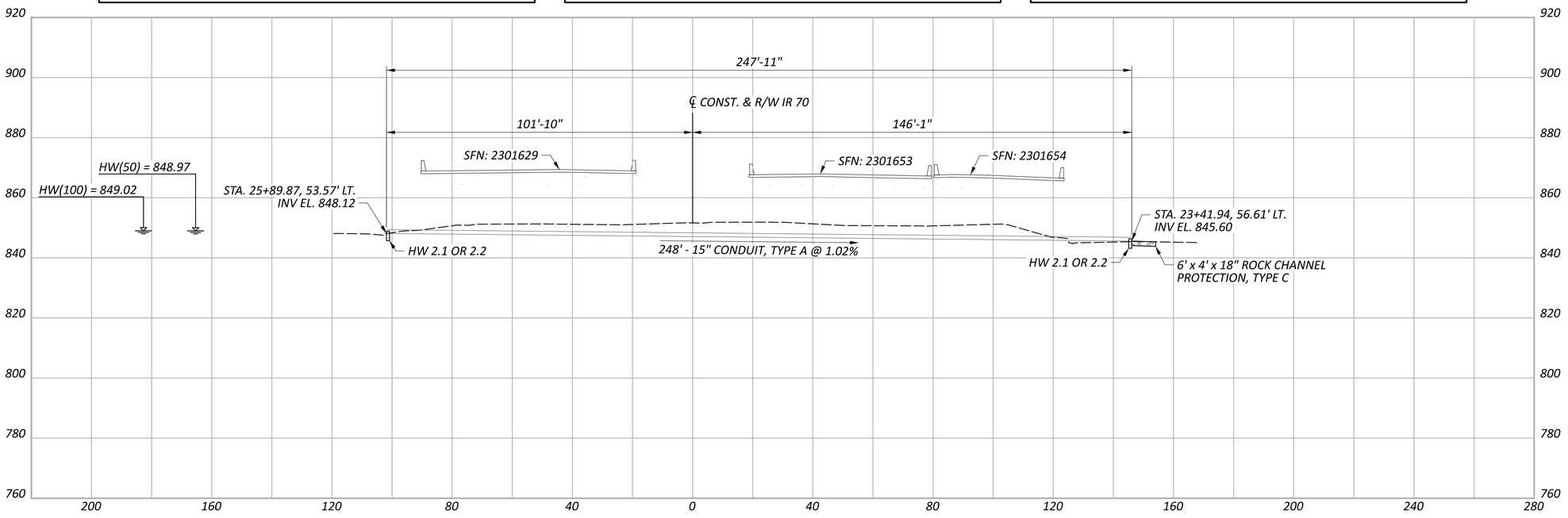
TYPE: CIRCULAR CONCRETE
SIZE: 15"
SKEW: 12.5° L.F.
ALIGNMENT: TANGENT
DATE BUILT:
CONDITION: GOOD
CFN: 1876345

PROPOSED STRUCTURE

TYPE: 24" CIRCULAR CONDUIT, TYPE A, 707.01 (0.218) GALVANIZED, 707.01 (0.064) ALUMINIZED), 707.04 POLYMERIC COATED, 706.01, 706.02, 707.33, 707.35 OR 707.42
SKEW: 12.7° L.F.
ALIGNMENT: TANGENT
CFN:

HYDRAULIC DATA

DRAINAGE AREA = 0.57 ACRES
Q (50) = 2.17 CFS V (50) = 5.07 FT/S HW (50) = 848.97 FT
Q (100) = 2.35 CFS V (100) = 5.18 FT/S HW (100) = 849.02 FT
ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 1
pH: 7.6



HORIZONTAL SCALE IN FEET
0 10 20 40

CULVERT DETAIL
SR 256 BRIDGE ABUTMENT (LEFT)

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1082
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_DC208 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:38:23 PM USER: brieder
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LEGEND

ITEM 670 - SLOPE EROSION PROTECTION MAT



HORIZONTAL SCALE IN FEET
0 10 20 40

EXISTING STRUCTURE

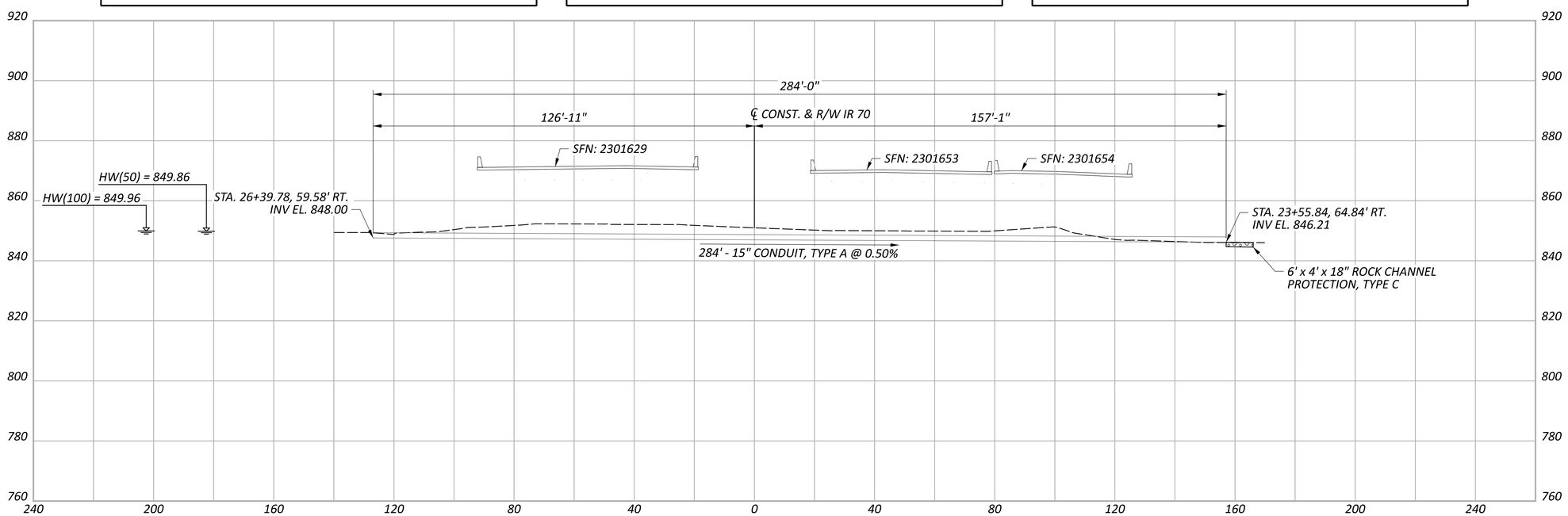
TYPE: CIRCULAR CONCRETE
SIZE: 15"
SKEW: 10.1° L.F.
ALIGNMENT: TANGENT
DATE BUILT:
CONDITION: GOOD
CFN: 1876345

PROPOSED STRUCTURE

TYPE: 21" CIRCULAR CONDUIT, TYPE A, 707.01 (0.218)
GALVANIZED, 707.01 (0.064) ALUMINIZED), 707.04
POLYMERIC COATED, 706.01, 706.02, 707.33, 707.35
OR 707.42
SKEW: 10.9° L.F.
ALIGNMENT: TANGENT
CFN:

HYDRAULIC DATA

DRAINAGE AREA = 1.51 ACRES
Q (50) = 9.95 CFS V (50) = 6.19 FT/S HW (50) = 849.86 FT
Q (100) = 10.70 CFS V (100) = 6.28 FT/S HW (100) = 849.96 FT
ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 1
pH: 7.6



CULVERT DETAIL
SR 256 BRIDGE ABUTMENT (RIGHT)

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER CEF
REVIEWER BAA 05/02/25
PROJECT ID 96808
SHEET P.1083 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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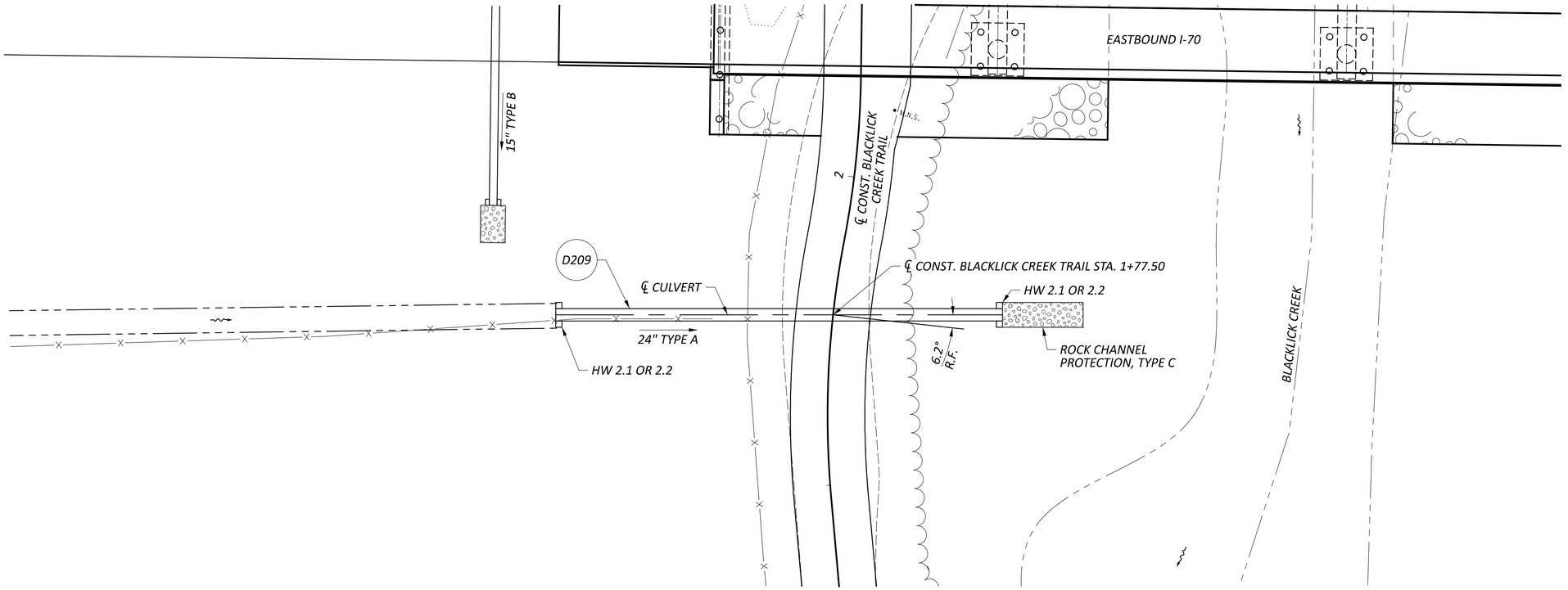
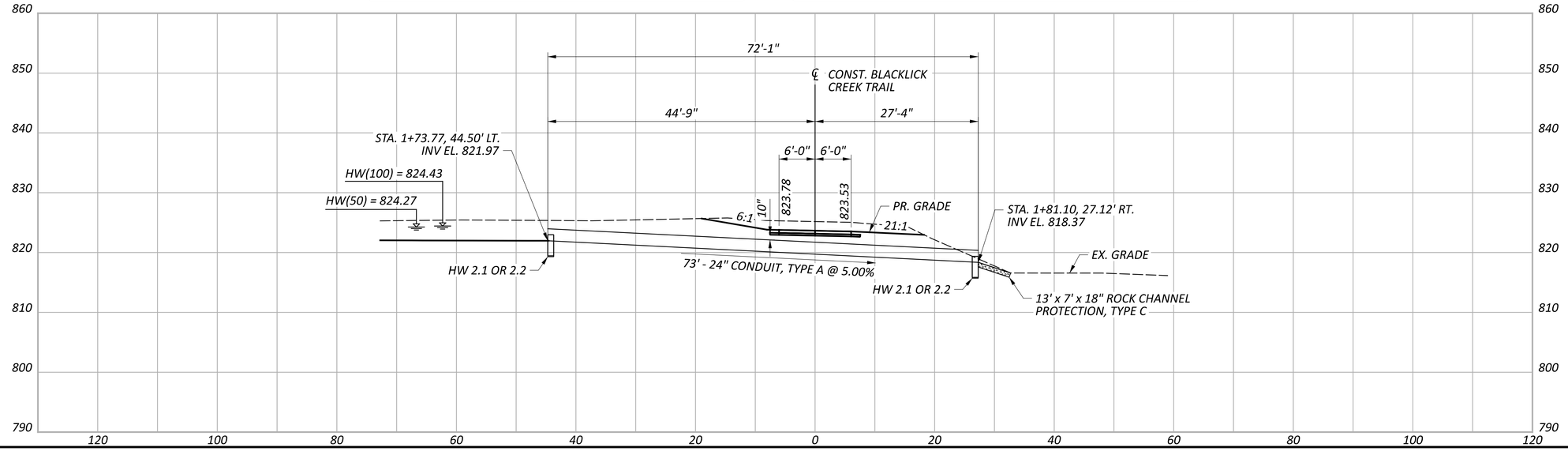


PROPOSED STRUCTURE

TYPE: 24" CIRCULAR CONDUIT 706.01, 706.02
707.33, 707.35, OR 707.42
SKEW: 6.2° R.F.
ALIGNMENT: CURVE
CFN:

HYDRAULIC DATA

DRAINAGE AREA = 7.04 ACRES
Q (50) = 15.78 CFS V (50) = 13.86 FT/S HW (50) = 824.27 FT
Q (100) = 17.02 CFS V (100) = 13.93 FT/S HW (100) = 824.43 FT
ORDINARY HIGH WATER MARK: N/A
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 4.0
pH: 7.6



HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAIL
BLACKLICK CREEK TRAIL - STA. 1+77.50

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER CEF
REVIEWER BAA 05/02/25
PROJECT ID 96808
SHEET P.1084 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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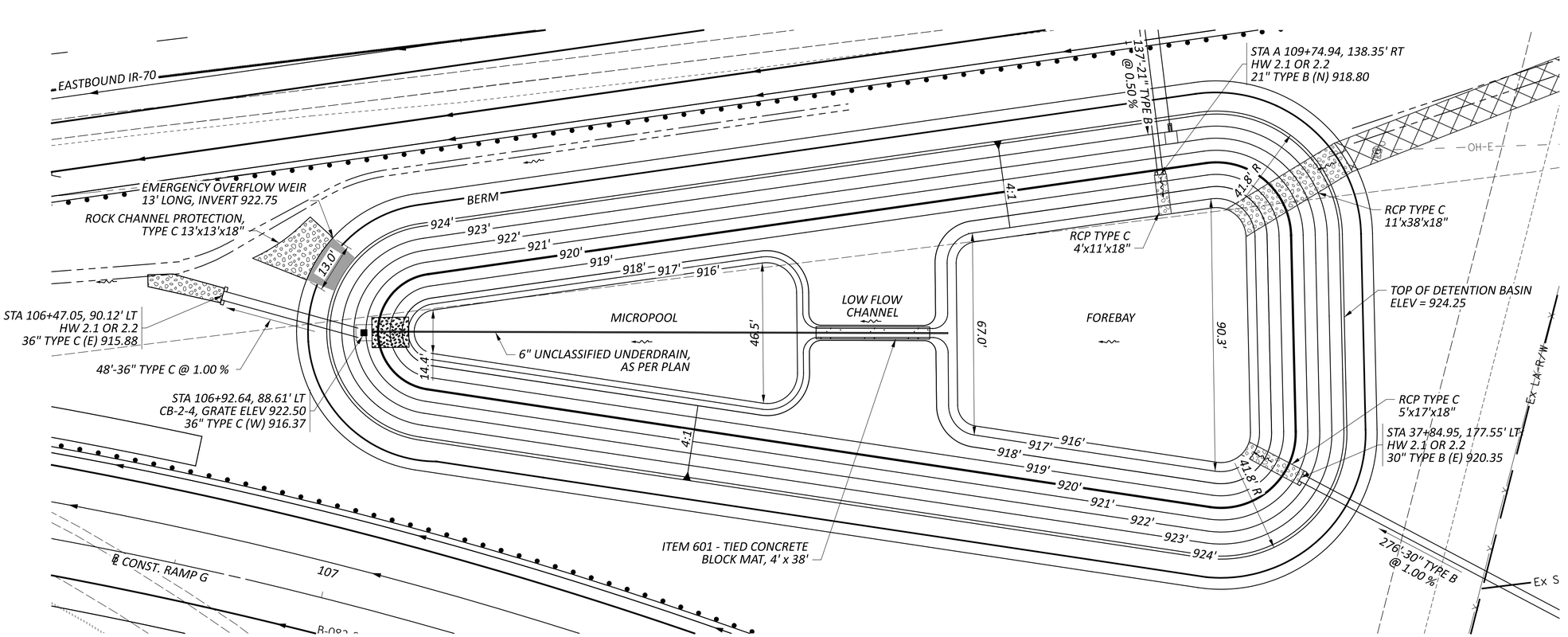

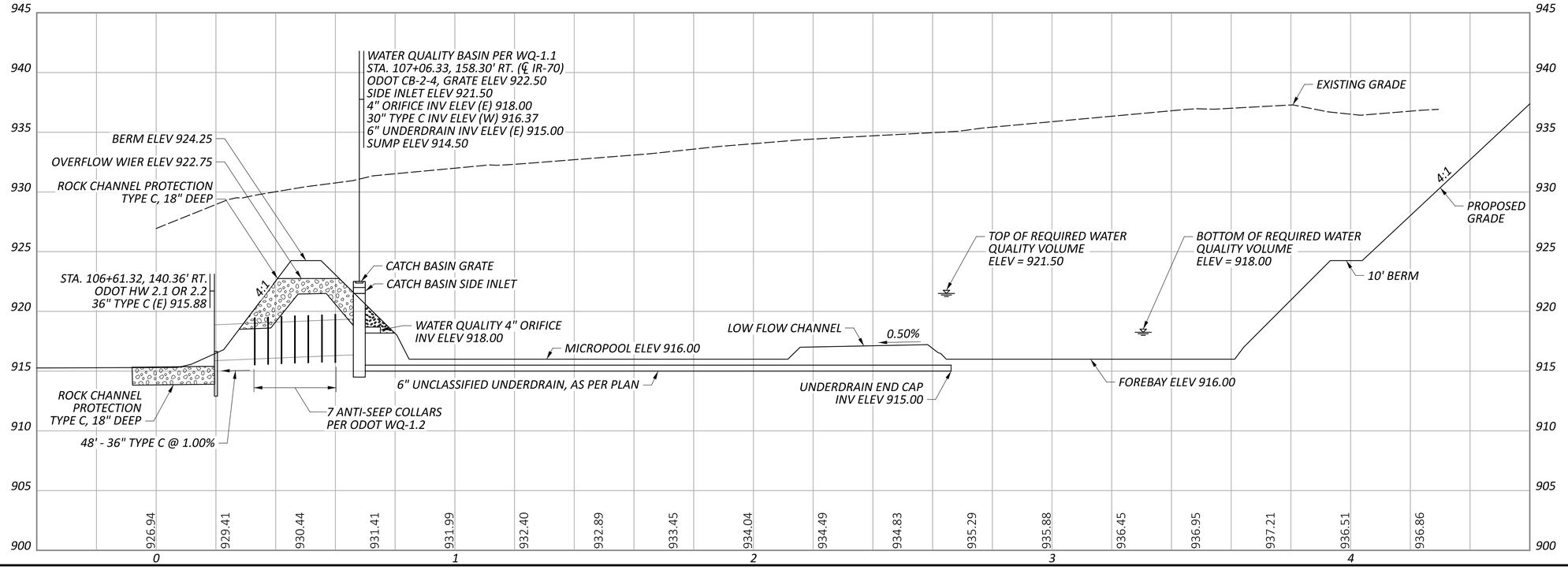

HORIZONTAL SCALE IN FEET
0 10 20 40

DETENTION BASIN DETAILS PLAN AND PROFILE

FAI/LIC-IR 70-0.00/0.00

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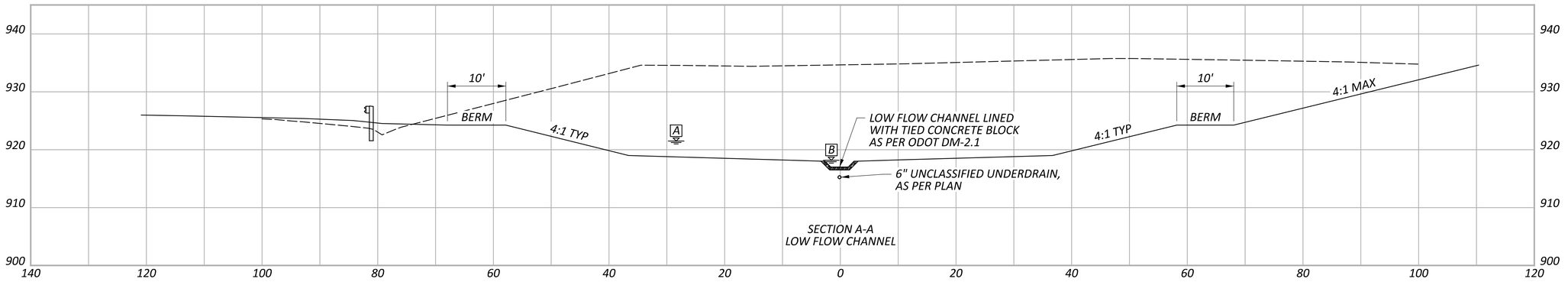
DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER
CEF

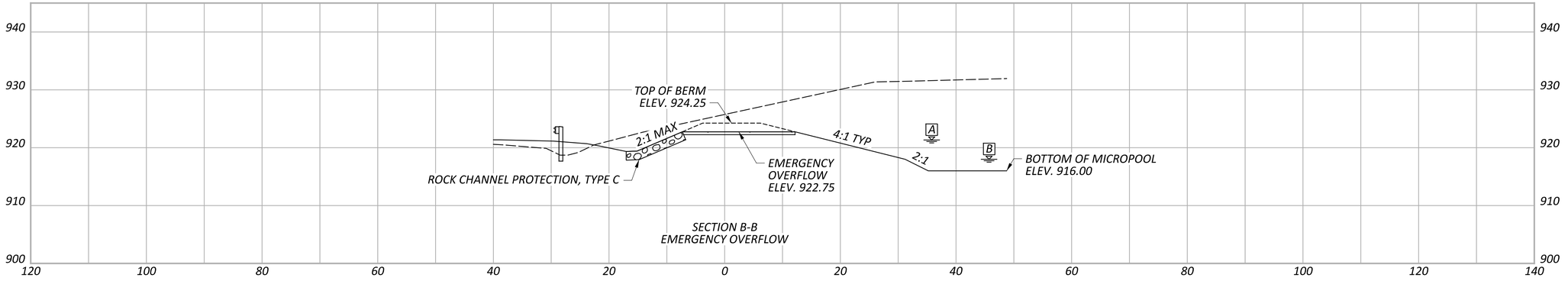
REVIEWER
BAA 05/02/25

PROJECT ID
96808

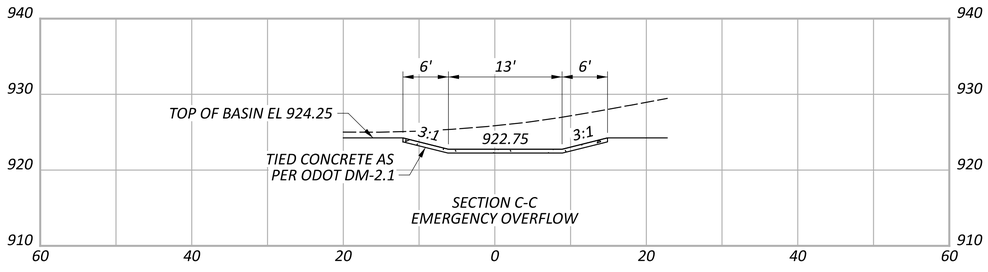
SHEET P.1085 TOTAL P.1556



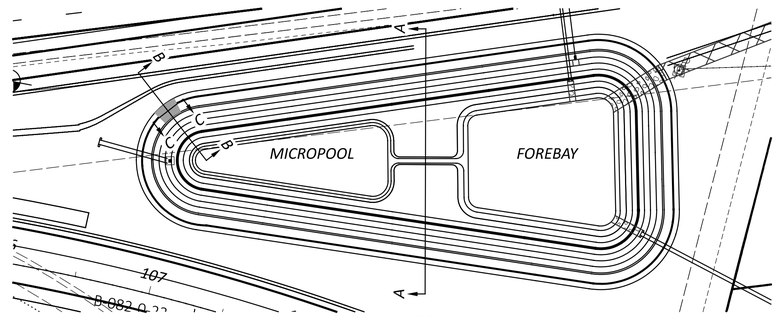
SECTION A-A
LOW FLOW CHANNEL



SECTION B-B
EMERGENCY OVERFLOW



SECTION C-C
EMERGENCY OVERFLOW



PLAN VIEW

LEGEND

A — *TOP OF WATER QUALITY (ELEV. 921.50)*

B — *BOTTOM OF WATER QUALITY (ELEV. 918.00)*

NOTES

1. *SEE SHEET P.1085 FOR DETENTION BASIN PLAN AND PROFILE*
2. *SEE SHEET P.1087 FOR DETENION BASIN GRADING AND ACCESS PLAN*

DETENTION BASIN DETAILS
SECTIONS

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1086
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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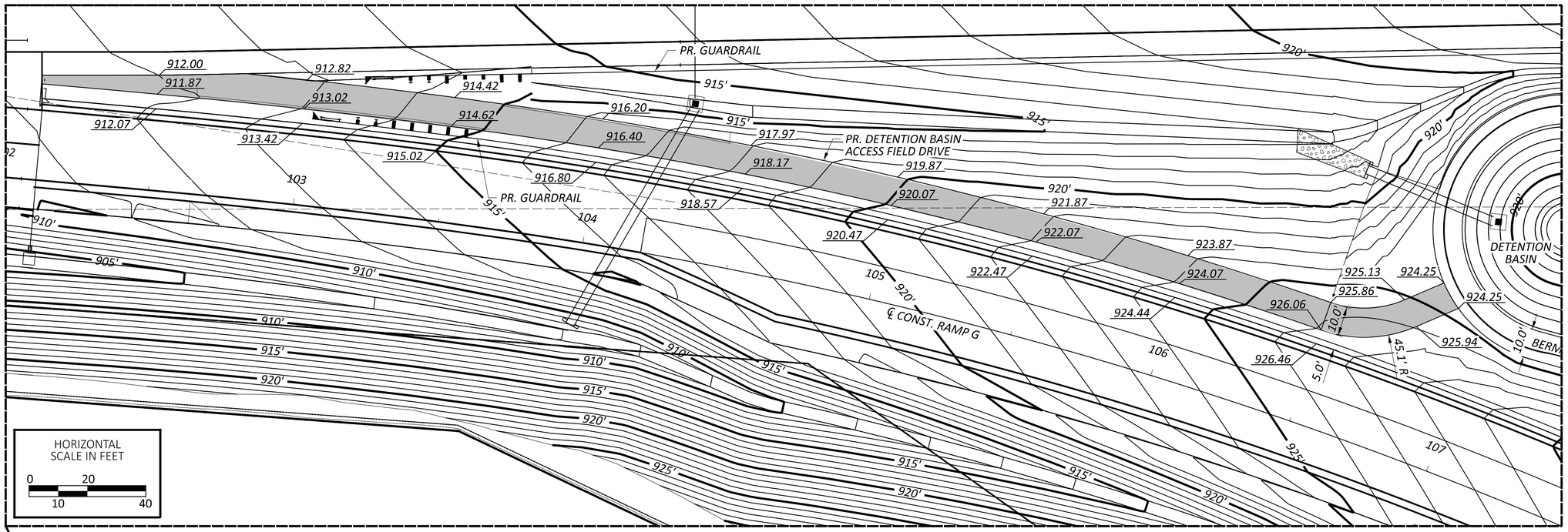

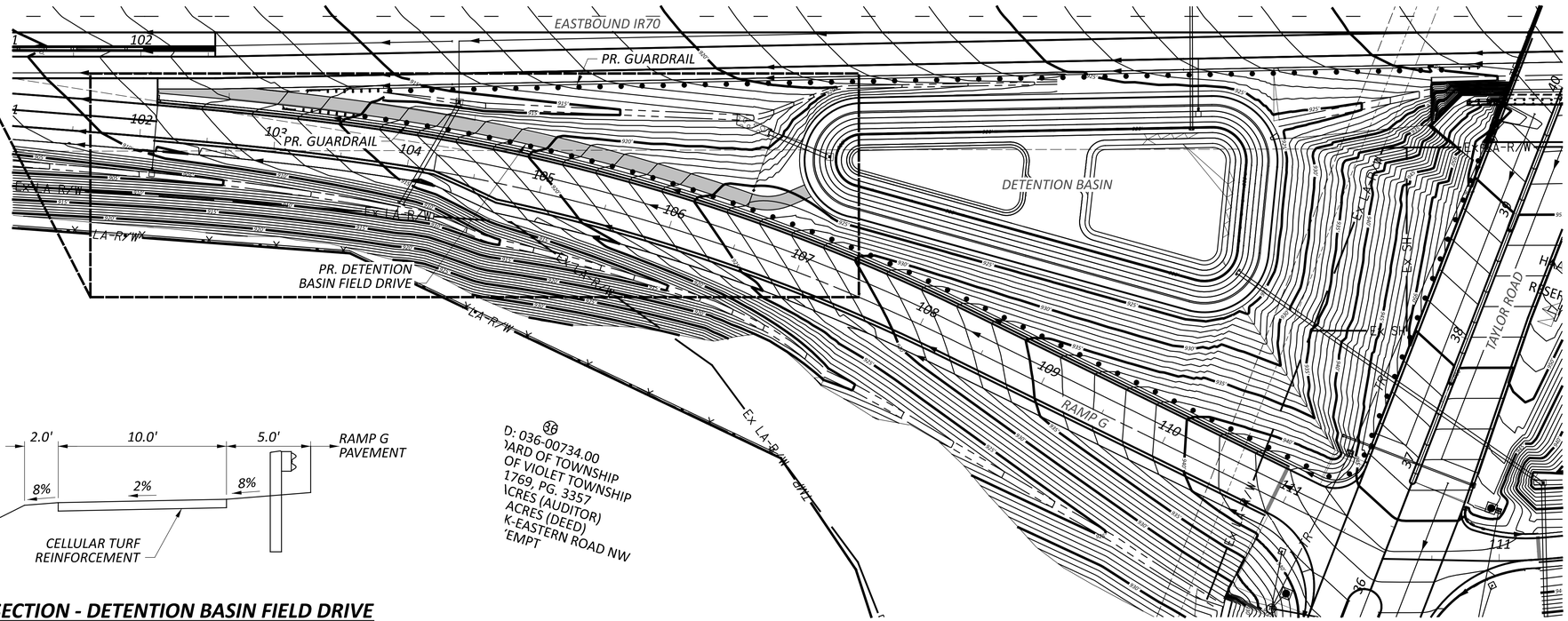

TYPICAL SECTION - DETENTION BASIN FIELD DRIVE

D: 036-00734.00
OARD OF TOWNSHIP
OF VIOLET TOWNSHIP
1769, PG. 3357
ACRES (AUDITOR)
ACRES (DEED)
K-EASTERN ROAD NW
EMPT

DETENTION BASIN DETAILS
GRADING AND ACCESS PLANS

HORIZONTAL
SCALE IN FEET
0 25 50 100

DESIGN AGENCY
CARPENTER MARTY engineering

DESIGNER	CEF
REVIEWER	BAA 05/02/25
PROJECT ID	96808
SHEET	P.1087
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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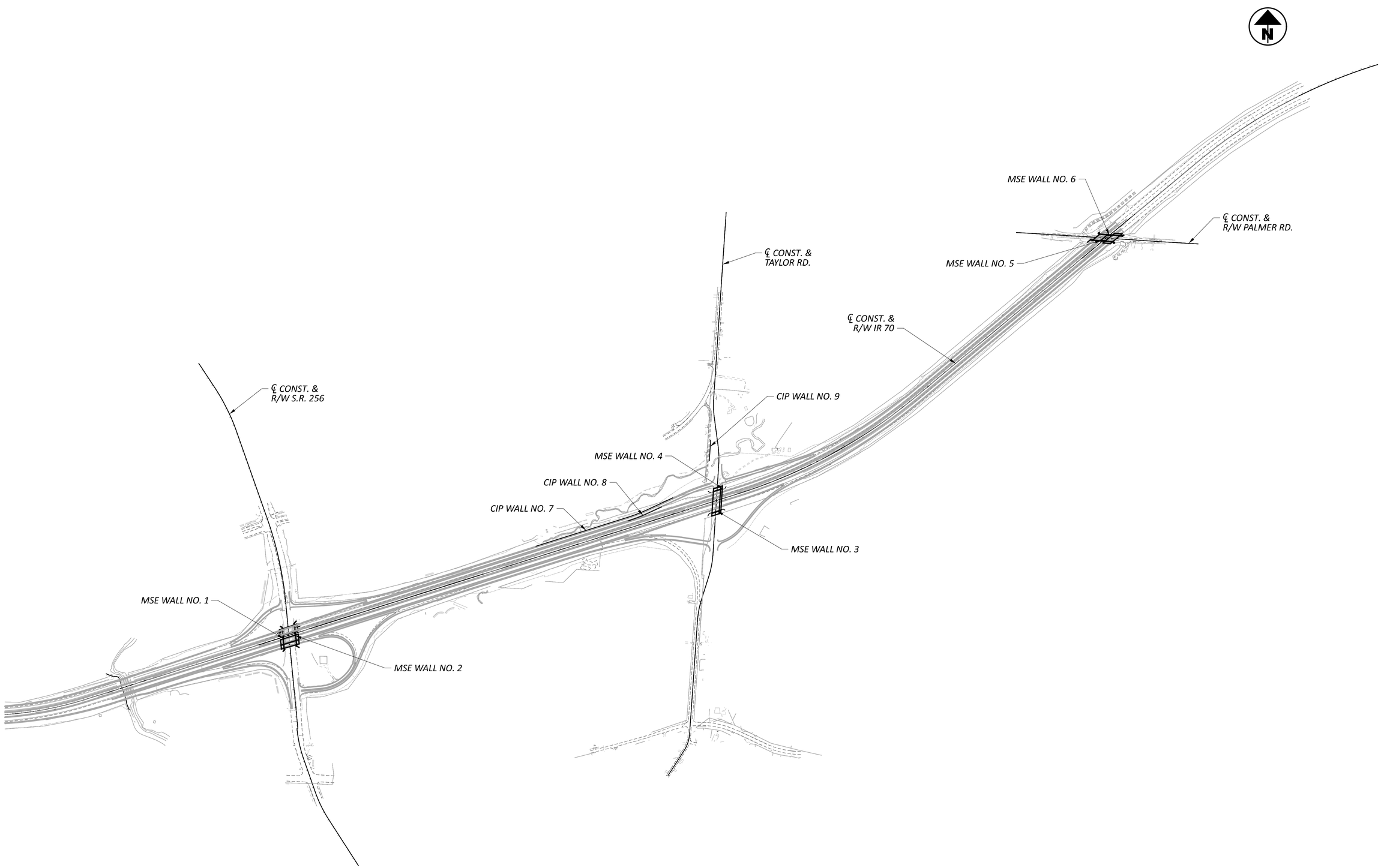

HORIZONTAL SCALE IN FEET
0 5 10 20

RETAINING WALL SCHEMATIC PLAN
SWN001_WALL#

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET / TOTAL	1 / 5
SHEET / TOTAL	P.1089 / P.1556

FAI/LIC-70.0.00/0.00

MODEL: wall key sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:05:14 PM USER: brieder
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GENERAL NOTES - MSE RETAINING WALL WALLS

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

840 REVISED 01-17-25
867 REVISED 04-15-22
878 REVISED 01-21-22

DESIGN SPECIFICATIONS:

THE STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 9TH EDITION, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA:

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI
(LEVELING PAD / COPING)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI (COPING)

DESIGN SUBMITTALS:

THE CONTRACTOR IS HEREBY NOTIFIED THAT THE MSE RETAINING WALL SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS PROVIDED IN SUPPLEMENTAL SPECIFICATION 840. AFTER THE AWARD OF THE CONTRACT, THE CONTRACTOR SHALL SUBMIT MSE RETAINING WALL DETAIL DESIGN PLANS (4 SETS), DESIGN CALCULATIONS (2 SETS), AND SHOP DRAWINGS PER 501.04 TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL BY THE DIRECTOR. THE PLANS FOR RETAINING WALLS SHALL BE PREPARED BY AN APPROVED MSE WALL SUPPLIER LISTED IN SUPPLEMENTAL SPECIFICATION 840. THE PLANS SHALL BE SUBMITTED EIGHT WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION OF THE WALLS AND THE CONTRACTOR SHALL ALLOW FOUR WEEKS FOR THE REVIEW BY ODOT.

PROPRIETARY RETAINING WALL DATA:

THE PROPRIETARY WALL SUPPLIER SHALL DESIGN THE INTERNAL STABILITY OF A MECHANICALLY STABILIZED EARTH (MSE) WALL IN ACCORDANCE WITH SS840 TO SUPPORT THE ABUTMENT. THE DESIGN FOR INTERNAL STABILITY SHALL INCLUDE A NOMINAL (I.E. UNFACTORED) HORIZONTAL STRIP LOAD DUE TO FRICTION (FR) FROM THE SUPERSTRUCTURE OF:

WALL NO. 1 = 3.4 K/FT
WALL NO. 2 = 3.4 K/FT
WALL NO. 3 = X.X K/FT
WALL NO. 4 = X.X K/FT
WALL NO. 5 = X.X K/FT
WALL NO. 6 = X.X K/FT

APPLIED PERPENDICULAR TO THE FACE OF WALL AT THE BASE OF THE CONCRETE FOOTING. THIS STRIP LOAD DOES NOT INCLUDE EARTH PRESSURE LOADS FROM THE ABUTMENT BACKFILL. HOWEVER, THE PROPRIETARY WALL SUPPLIER SHALL INCLUDE EARTH PRESSURE LOADS FROM THE ABUTMENT BACKFILL IN THE DESIGN CALCULATIONS.

FOUNDATION BEARING RESISTANCE:

THE MSE WALL REINFORCED SOIL MASS, AS DESIGNED, PRODUCES THE VALUES SHOWN IN THE TABLE BELOW.

FOUNDATION BEARING RESISTANCE

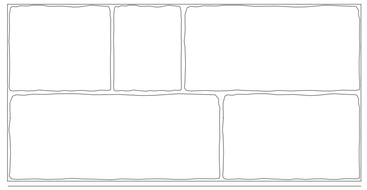
WALL NUMBER	SERVICE LIMIT STATE BEARING PRESSURE	STRENGTH LIMIT STATE BEARING PRESSURE	FACTORED BEARING RESISTANCE
1	5.62 ksf	5.62 ksf	5.62 ksf
2	5.62 ksf	5.62 ksf	5.62 ksf
3	5.62 ksf	5.62 ksf	5.62 ksf
4	5.62 ksf	5.62 ksf	5.62 ksf
5	5.62 ksf	5.62 ksf	5.62 ksf
6	5.62 ksf	5.62 ksf	5.62 ksf

ARCHITECTURAL FINISH:

AN AESTHETIC TREATMENT SYSTEM SHALL BE SUCH TO DUPLICATE CLOSELY THE APPEARANCE OF INDIGENOUS SANDSTONE. THE SURFACE FINISH SHALL BE PATTERN #1102-R2 FROM CUSTOM ROCK INTERNATIONAL OR AN APPROVED EQUAL MEETING THE DETAILS SHOWN ON THIS PAGE. THE INTEGRALLY COLORED CONCRETE USING CHROMIX ADMIXTURES SHALL BE COLOR C-21 ADOBE TAN OR 1010 BROWNSTONE AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL. TWO PRECONSTRUCTION PANELS WILL BE REQUIRED, ONE WITH C-21 ADOBE TAN AND ONE WITH 1010 BROWNSTONE. THE DIRECTOR WILL DECIDE THE COLOR FROM THE TEST SAMPLES.

TWO PRECONSTRUCTION TEST SAMPLES SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST SAMPLES DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED MSE WALL PANELS OR INTEGRALLY COLORED CONCRETE. THE TEST SAMPLE MUST PASS APPROVAL. FAILURE WILL CONSTITUTE PLACEMENT OF ANOTHER TEST SAMPLE. A FIVE FOOT BY FIVE FOOT TEST SAMPLE SHOULD BE MADE (OR THE SIZE AS THE TYPICAL MSE WALL PANELS). THE MOCK-UP SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS AND PATTERN AS USED ON THE PROJECT. THE SAMPLE SHOULD BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND INTEGRALLY COLORED CONCRETE THAT WILL BE USED TO MAKE THE MSE WALL PANELS. AFTER APPROVAL THE CONCRETE TEST SAMPLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

ALL AESTHETIC TREATMENT, INCLUDING THE INTEGRALLY COLORED CONCRETE, SURFACE FINISH, TEST SAMPLES AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE SF PAYMENT FOR ITEM 840 - AESTHETIC SURFACE TREATMENT.



CUSTOM ROCK INTERNATIONAL (C.R.I.)
PATTERN # 1102-R2 OR APPROVED EQUAL

RECTANGULAR CUT STONE (EVEN COURSING):
NUMBER OF COURSES PER 5 FT. TALL PANEL = 2
MAX RELIEF = 2"
AVERAGE RELIEF = 1½"
STONE SIZES (LENGTH) = 2' TO 6'

ARCHITECTURAL WALL ELEVATION

NOTE: CORNER ELEMENTS SHALL HAVE THE SAME AESTHETIC TREATMENT AS THE WALL PANELS.

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS
ARE USED THROUGHOUT THE RETAINING WALL PLANS.

APP. = APPROACH
BRG. = BEARING
BOTT. = BOTTOM
CB = CATCH BASIN
C.I.P. = CAST-IN-PLACE
C.J. = CONSTRUCTION JOINT
CLR. = CLEARANCE
CONST. = CONSTRUCTION
DWG. = DRAWING
EL. = ELEVATION
EX. = EXISTING
EXP. = EXPANSION
F.A. = FORWARD ABUTMENT
F.F. = FRONT FACE
FTG. = FOOTING
INV. = INVERT
NPCCP = NON-PERFORATED CORRUGATED PLASTIC PIPE
PCCP = PERFORATED CORRUGATED PLASTIC PIPE
PEJF = PREFORMED EXPANSION JOINT FILLER
PROP. = PROPOSED
PT. = POINT
R.A. = REAR ABUTMENT
SHLD. = SHOULDER
SPA. = SPACES
STA. = STATION
STD. = STANDARD
STM = STORM SEWER LINE
T/S = TOP OF SLOPE
TYP. = TYPICAL

GENERAL NOTES
I 70 MSE WALLS
$WN001_WALL#

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 2 | TOTAL 5

SHEET P.1090 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:05:35 PM USER: brieder
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MSE WALL NO 1 ESTIMATED QUANTITIES

CALCULATED BY: SJF DATE: 04/27/25
CHECKED BY: ABD DATE: 04/28/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
203	20000	819	CY	EMBANKMENT				819	
203	35110	1530	CY	GRANULAR MATERIAL, TYPE B				1530	
512	10050	411	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				411	
840	20000	4431	SF	MECHANICALLY STABILIZED EARTH WALL				4431	
840	21000	6009	CY	WALL EXCAVATION				6009	
840	22000	651	SY	FOUNDATION PREPARATION				651	
840	23000	3660	CY	SELECT GRANULAR BACKFILL				3660	
840	23050	47	CY	NATURAL SOIL				47	
840	25010	665	FT	6" DRAINAGE PIPE, PERFORATED				665	
840	25020	30	FT	6" DRAINAGE PIPE, NON-PERFORATED				30	
840	26001	295	FT	CONCRETE COPING, AS PER PLAN				295	5/5
840	26050	4431	SF	AESTHETIC SURFACE TREATMENT				4431	
840	27000	5	DAY	ON-SITE ASSISTANCE				5	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING				LS	
867	00100		LS	TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL				LS	

MSE WALL NO 2 ESTIMATED QUANTITIES

CALCULATED BY: SJF DATE: 04/27/25
CHECKED BY: ABD DATE: 04/28/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
203	20000	978	CY	EMBANKMENT				978	
203	35110	1825	CY	GRANULAR MATERIAL, TYPE B				1825	
512	10050	531	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				531	
840	20000	5628	SF	MECHANICALLY STABILIZED EARTH WALL				5628	
840	21000	7170	CY	WALL EXCAVATION				7170	
840	22000	751	SY	FOUNDATION PREPARATION				751	
840	23000	4367	CY	SELECT GRANULAR BACKFILL				4367	
840	23050	52	CY	NATURAL SOIL				52	
840	25010	730	FT	6" DRAINAGE PIPE, PERFORATED				730	
840	25020	30	FT	6" DRAINAGE PIPE, NON-PERFORATED				30	
840	26001	320	FT	CONCRETE COPING, AS PER PLAN				320	5/5
840	26050	5628	SF	AESTHETIC SURFACE TREATMENT				5628	
840	27000	5	DAY	ON-SITE ASSISTANCE				5	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING				LS	
867	00100		LS	TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL				LS	

MSE WALL NO 3 ESTIMATED QUANTITIES

CALCULATED BY: BWJ DATE: 04/25/25
CHECKED BY: JCS DATE: 05/02/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
203	20000	707	CY	EMBANKMENT				707	
203	35110	962	CY	GRANULAR MATERIAL, TYPE B				962	
512	10050	247	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				247	
840	20000	3689	SF	MECHANICALLY STABILIZED EARTH WALL				3689	
840	21000	2857	CY	WALL EXCAVATION				2857	
840	22000	575	SY	FOUNDATION PREPARATION				575	
840	23000	3436	CY	SELECT GRANULAR BACKFILL				3436	
840	23050	81	CY	NATURAL SOIL				81	
840	25010	214	FT	6" DRAINAGE PIPE, PERFORATED				214	
840	25020	6	FT	6" DRAINAGE PIPE, NON-PERFORATED				6	
840	26000	215	FT	CONCRETE COPING				215	
840	26050	3689	SF	AESTHETIC SURFACE TREATMENT				3689	
840	27000	3	DAY	ON-SITE ASSISTANCE				3	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING				1	

RETAINING WALL
ESTIMATED QUANTITIES-1
$WQ001_WALL#

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 3 | TOTAL 5

SHEET P.1091 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Est. qty. PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:05:44 PM USER: brieder
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MSE WALL NO 4 ESTIMATED QUANTITIES

CALCULATED BY: BWJ — DATE: 04/25/25
CHECKED BY: JCS — DATE: 05/02/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
203	20000	733	CY	EMBANKMENT				733	
203	35110	1030	CY	GRANULAR MATERIAL, TYPE B				1030	
512	10050	288	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				288	
840	20000	3983	SF	MECHANICALLY STABILIZED EARTH WALL				3983	
840	21000	2961	CY	WALL EXCAVATION				2961	
840	22000	613	SY	FOUNDATION PREPARATION				613	
840	23000	3864	CY	SELECT GRANULAR BACKFILL				3864	
840	23050	95	CY	NATURAL SOIL				95	
840	25010	220	FT	6" DRAINAGE PIPE, PERFORATED				220	
840	25020	28	FT	6" DRAINAGE PIPE, NON-PERFORATED				28	
840	26000	218	FT	CONCRETE COPING				218	
840	26050	3983	SF	AESTHETIC SURFACE TREATMENT				3983	
840	27000	3	DAY	ON-SITE ASSISTANCE				3	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING				1	

MSE WALL NO 5 ESTIMATED QUANTITIES

CALCULATED BY: ABD — DATE: 04/24/25
CHECKED BY: SJF — DATE: 04/28/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
203	20000	867	CY	EMBANKMENT				867	
203	35110	1733	CY	GRANULAR MATERIAL, TYPE B				1733	
512	10050	571	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				571	
840	20000	5398	SF	MECHANICALLY STABILIZED EARTH WALL				5398	
840	21000	1560	CY	WALL EXCAVATION				1560	
840	22000	724	SY	FOUNDATION PREPARATION				724	
840	23000	3146	CY	SELECT GRANULAR BACKFILL				3146	
840	23050	76	CY	NATURAL SOIL				76	
840	25010	670	FT	6" DRAINAGE PIPE, PERFORATED				670	
840	25020	25	FT	6" DRAINAGE PIPE, NON-PERFORATED				25	
840	26001	323	FT	CONCRETE COPING, AS PER PLAN				323	
840	26050	5398	SF	AESTHETIC SURFACE TREATMENT				5398	
840	27000	5	DAY	ON-SITE ASSISTANCE				5	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING				LS	
867	00100		LS	TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL				LS	

MSE WALL NO 6 ESTIMATED QUANTITIES

CALCULATED BY: ABD — DATE: 04/24/25
CHECKED BY: SJF — DATE: 04/28/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
203	20000	867	CY	EMBANKMENT				867	
203	35110	1733	CY	GRANULAR MATERIAL, TYPE B				1733	
512	10050	571	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				571	
840	20000	5398	SF	MECHANICALLY STABILIZED EARTH WALL				5398	
840	21000	1560	CY	WALL EXCAVATION				1560	
840	22000	724	SY	FOUNDATION PREPARATION				724	
840	23000	3146	CY	SELECT GRANULAR BACKFILL				3146	
840	23050	76	CY	NATURAL SOIL				76	
840	25010	670	FT	6" DRAINAGE PIPE, PERFORATED				670	
840	25020	25	FT	6" DRAINAGE PIPE, NON-PERFORATED				25	
840	26001	323	FT	CONCRETE COPING, AS PER PLAN				323	
840	26050	5398	SF	AESTHETIC SURFACE TREATMENT				5398	
840	27000	5	DAY	ON-SITE ASSISTANCE				5	
840	28000		LS	SGB INSPECTION AND COMPACTION TESTING				LS	
867	00100		LS	TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL				LS	

RETAINING WALL
ESTIMATED QUANTITIES-2
$WQ001_WALL#

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 4 | TOTAL 5

SHEET P.1092 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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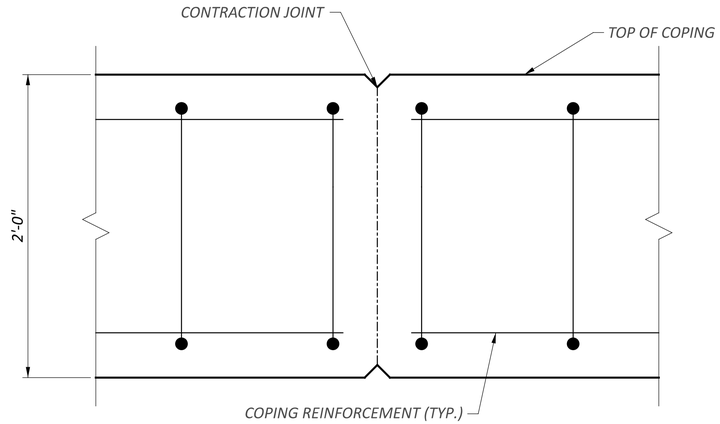
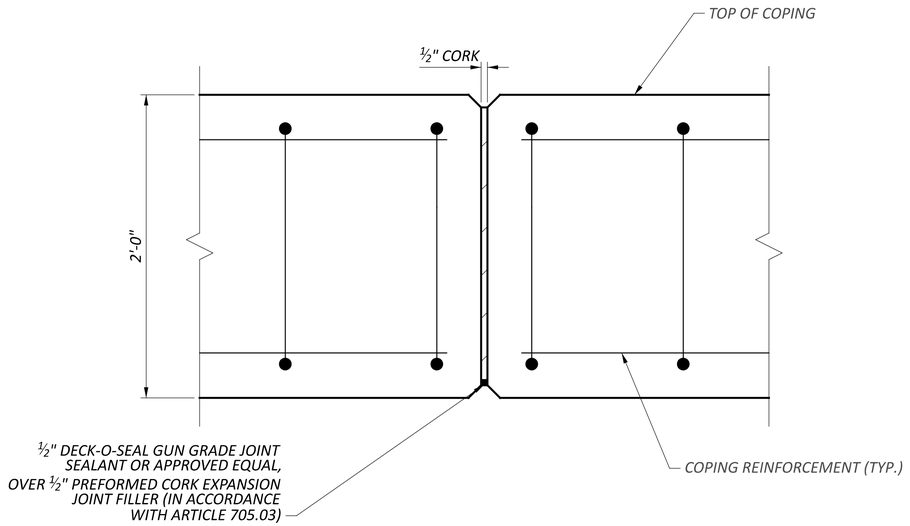
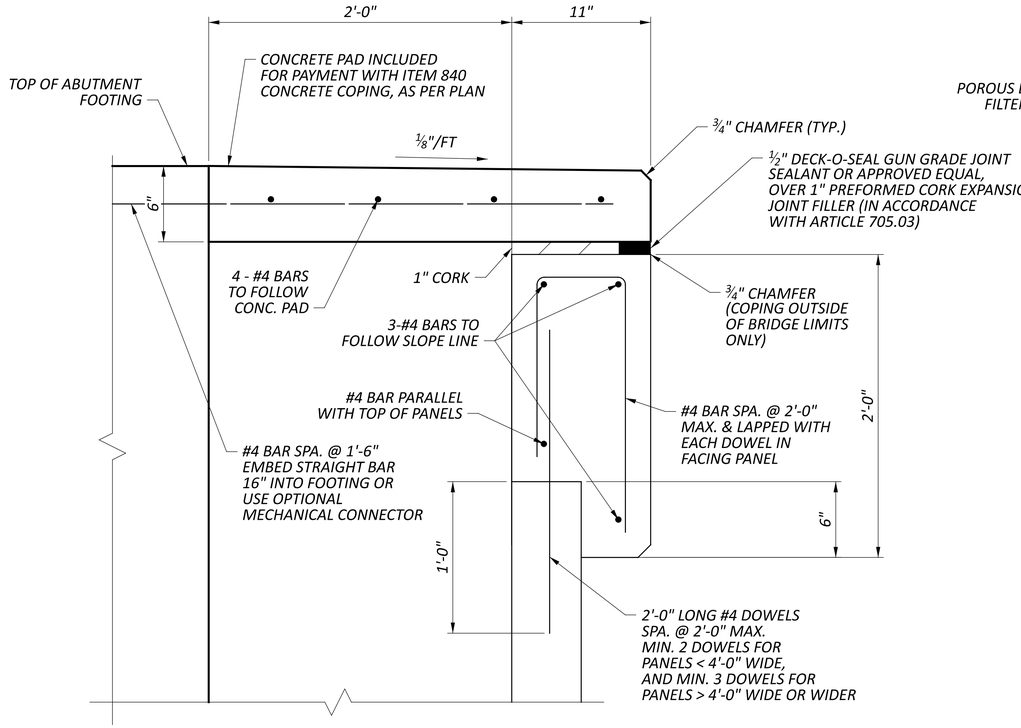


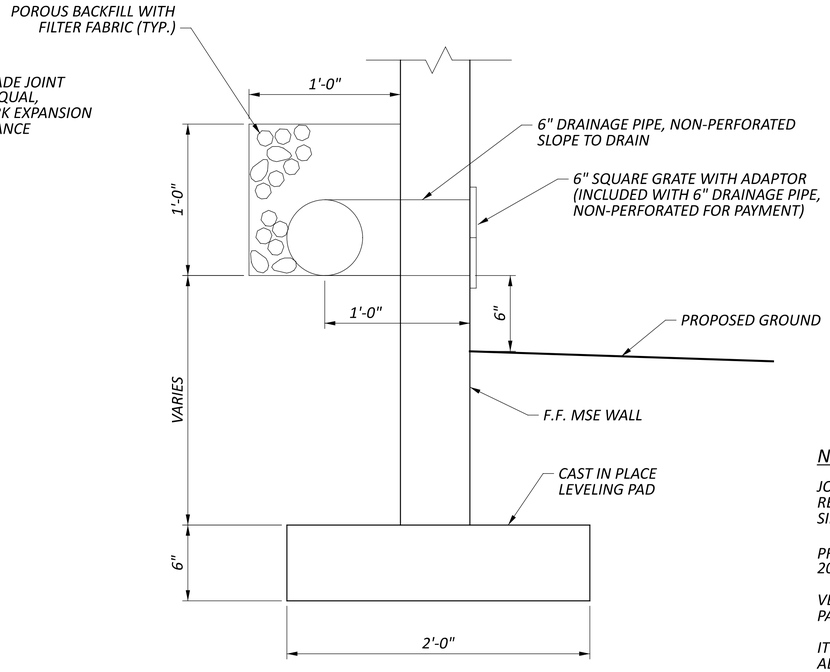
COPING CONTRACTION JOINT



COPIING EXPANSION JOINT



TYPICAL MSE WALL COPING



OUTLET DETAIL

NOTES:

JOINTS IN COPING SHALL COINCIDE WITH ℄ OF PANEL JOINT. REINFORCING STEEL SHALL BE STOPPED 2" SHORT OF EACH SIDE OF THE JOINTS.

PROVIDE ½" EXPANSION JOINTS AT MAXIMUM SPACING OF 20'-0" TO COINCIDE WITH PANEL JOINTS.

VERTICAL REINFORCING STEEL SHALL CLEAR EITHER SIDE OF PANEL JOINTS BY 2" MINIMUM.

ITEM 840, CONCRETE COPING, AS PER PLAN SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE CONCRETE COPING AND CONCRETE PAD AS SHOWN IN THE PLANS. IN ADDITION TO THE REQUIREMENTS OF SS840, THIS INCLUDES 1" & ½" PREFORMED CORK EXPANSION JOINT FILLER AND DECK-O-SEAL GUN GRADE JOINT SEALANT OR APPROVED EQUAL.

MSE WALL TYPICAL DETAILS
MSE WALLS NO. 1 - 6

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	SJF
REVIEWER	CLB 04/24/25
PROJECT ID	96808
SUBSET / TOTAL	5 / 5
SHEET / TOTAL	P.1093 / P.1556

FAI/LIC-70.0.00/0.00

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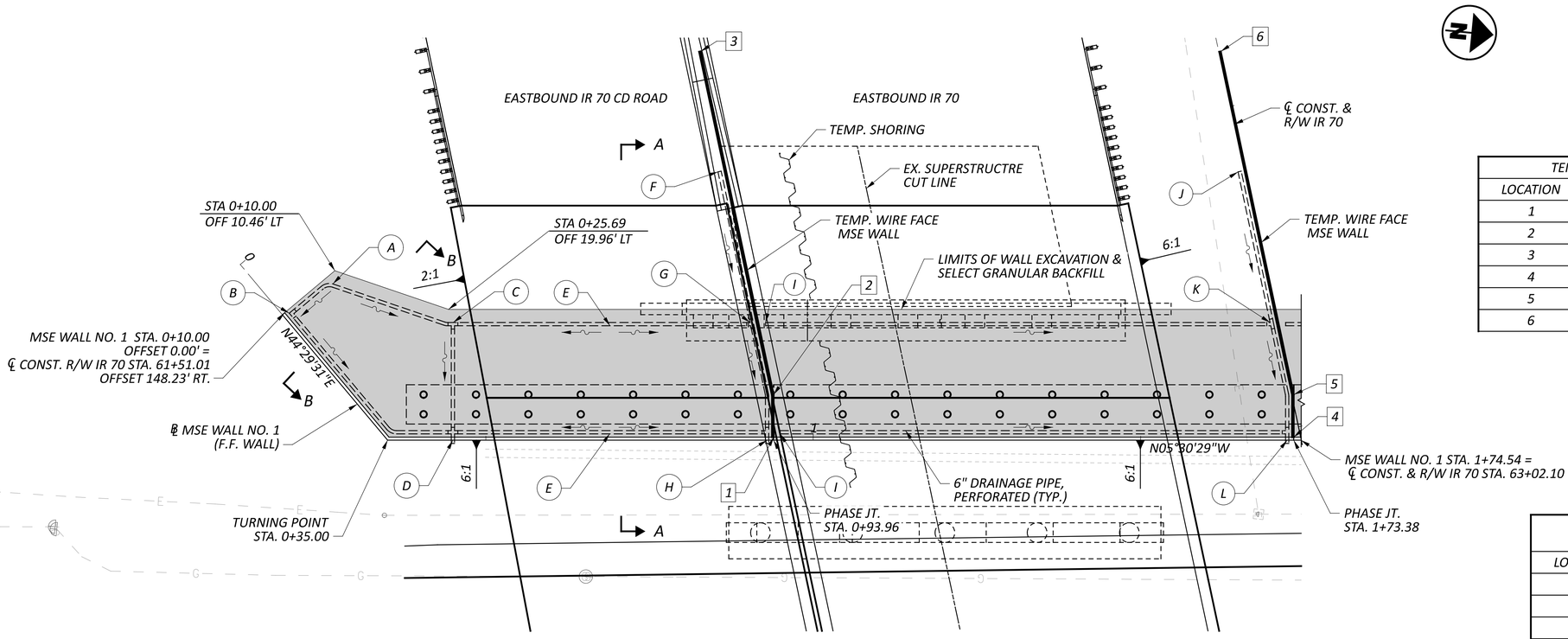
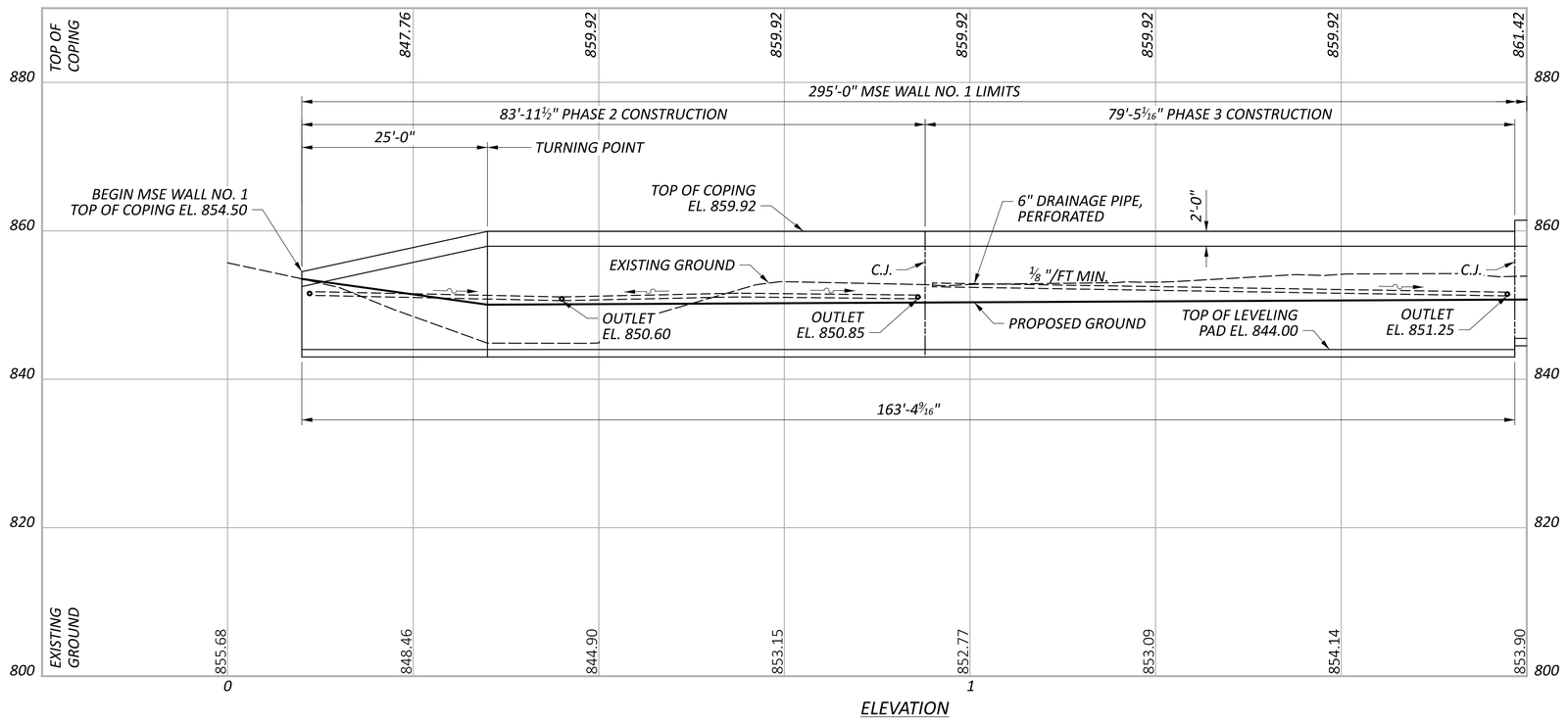


PLAN



ELEVATION

TEMP. WIRE FACE MSE WALL		
LOCATION	STATION	OFFSET
1	0+93.96	0.49' LT.
2	0+93.96	6.95' LT.
3	0+82.83	59.34' LT.
4	1+73.38	0.49' LT.
5	1+73.38	6.95' LT.
6	1+62.25	59.34' LT.

MSE WALL NO. 1 DRAINAGE TABLE	
LOCATION	ELEVATION
A	851.40
B	851.20
C	850.90
D	850.60
E	851.45
F	**
G	851.15
H	850.85
I	852.90
J	**
K	851.60
L	851.25

** DRAINAGE FOR TEMPORARY WIRE FACED MSE WALL, INCLUDED WITH ITEM 867 FOR PAYMENT.

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 1 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 1
MSE WALL NO. 1
I 70 OVER SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	1
TOTAL	6
SHEET	P.1094
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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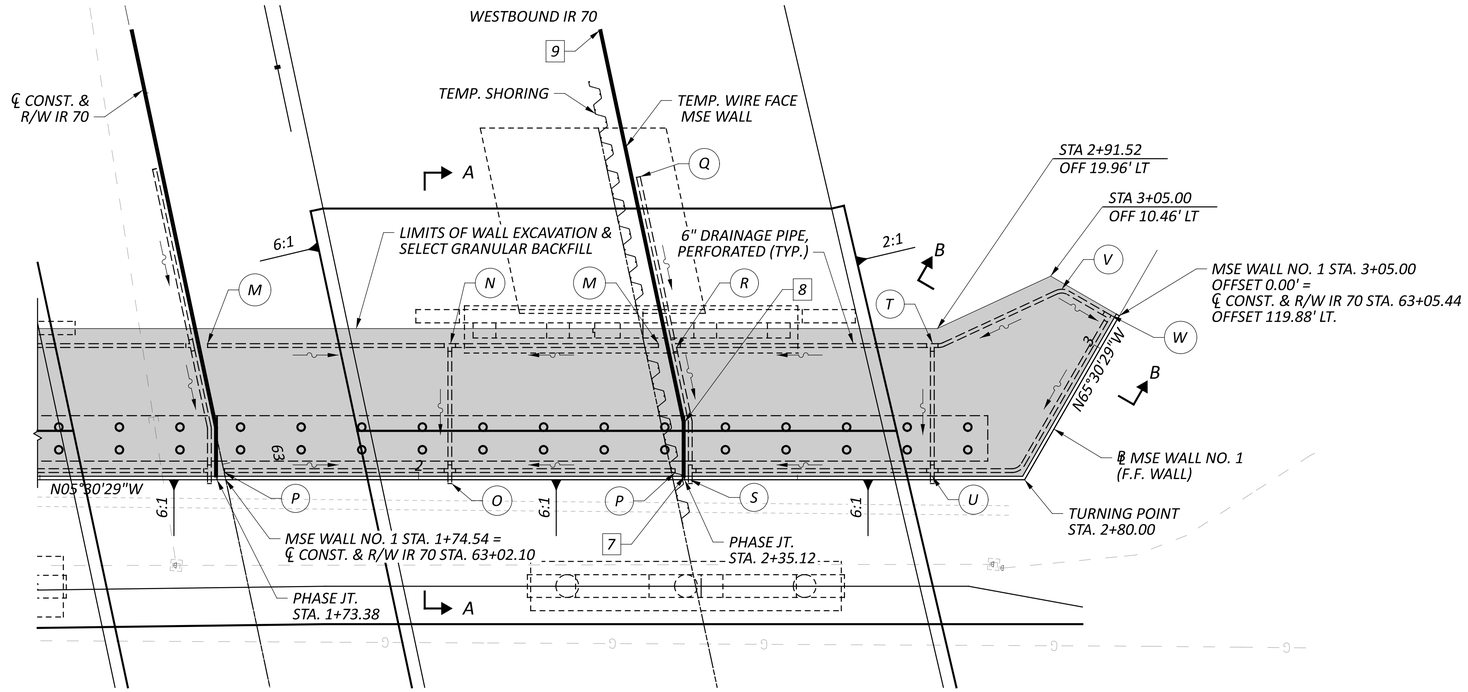
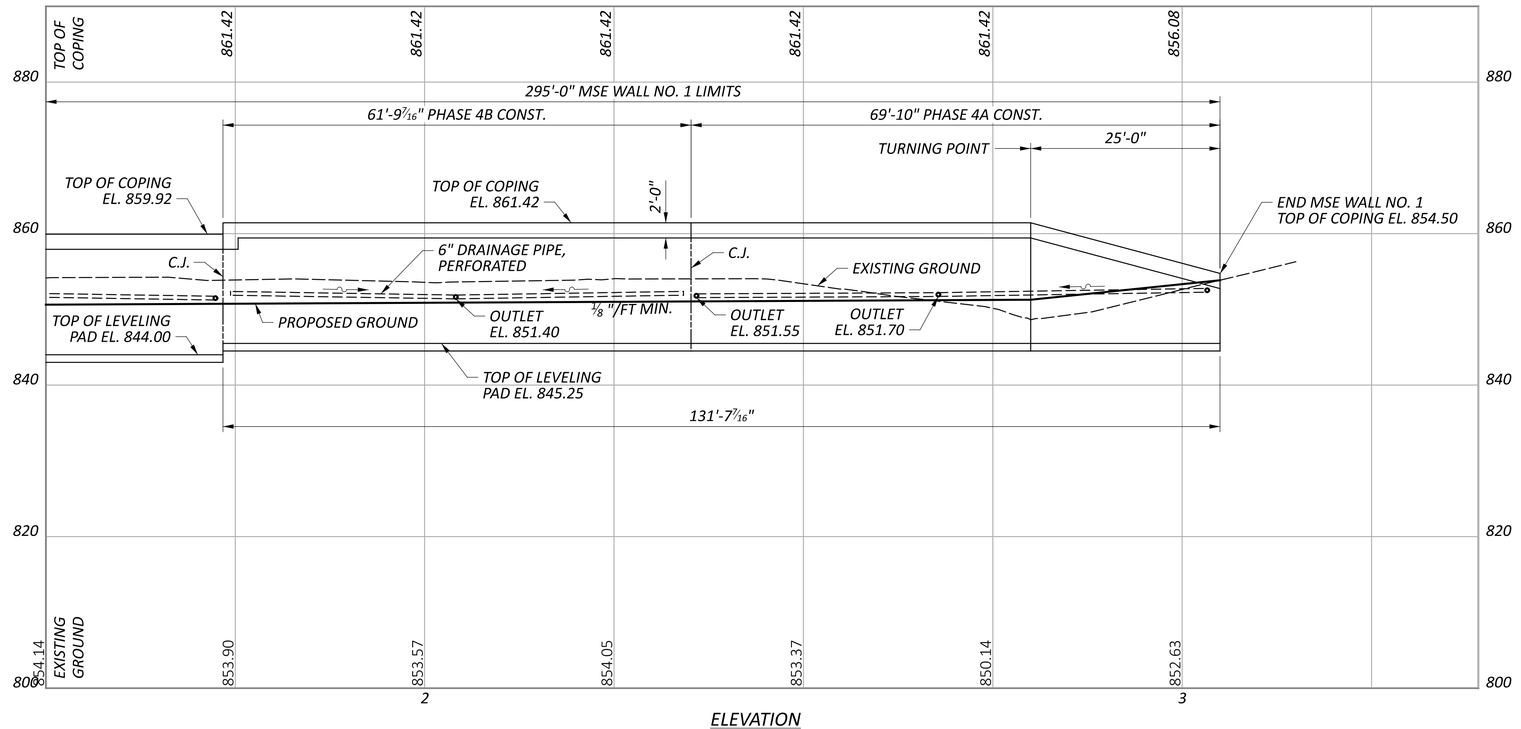


PLAN

TEMP. WIRE FACE MSE WALL		
LOCATION	STATION	OFFSET
7	2+35.12	0.49' LT.
8	2+35.12	6.95' LT.
9	2+24.12	59.34' LT.



ELEVATION

MSE WALL NO. 1 DRAINAGE TABLE	
LOCATION	ELEVATION
M	852.20
N	851.70
O	851.40
P	851.90
Q	**
R	851.80
S	851.55
T	852.00
U	851.70
V	852.50
W	852.30

** DRAINAGE FOR TEMPORARY WIRE FACED MSE WALL, INCLUDED WITH ITEM 867 FOR PAYMENT.

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 1 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 2
MSE WALL NO. 1
I 70 OVER SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	2
TOTAL	6
SHEET	P.1095
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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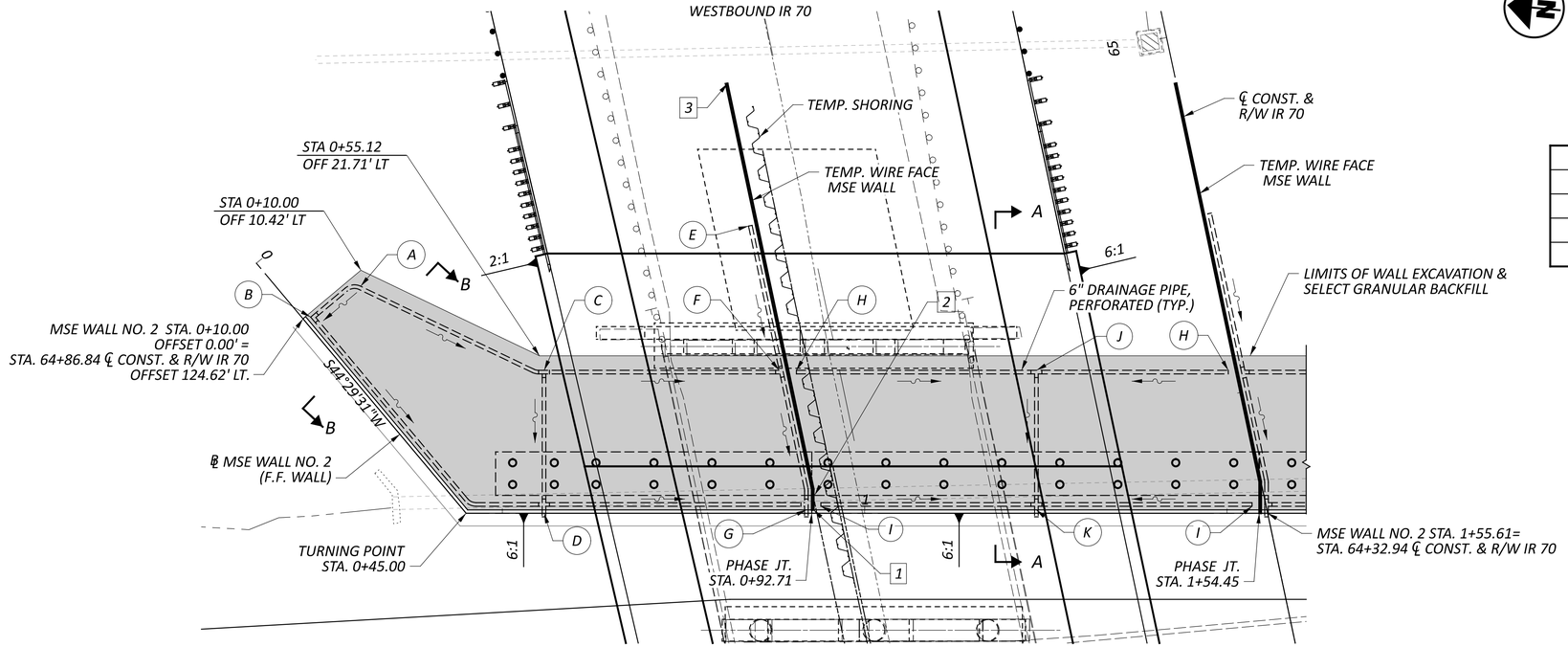
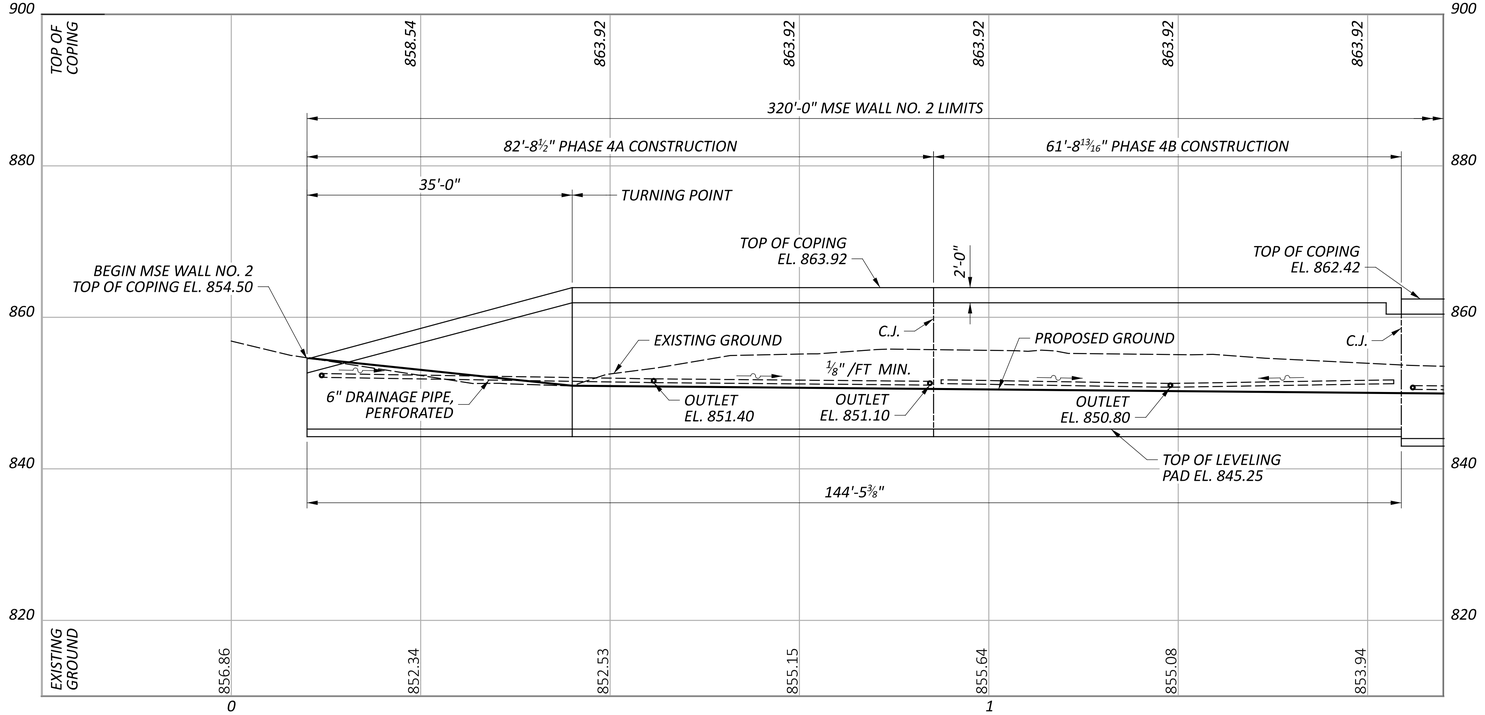


PLAN



ELEVATION

TEMP. WIRE FACE MSE WALL		
LOCATION	STATION	OFFSET
1	0+92.71	0.46' LT.
2	0+92.71	4.33' LT.
3	0+80.83	59.23' LT.

MSE WALL NO. 2 DRAINAGE TABLE	
LOCATION	ELEVATION
A	852.20
B	852.00
C	851.80
D	851.40
E	**
F	851.50
G	851.10
H	851.80
I	851.30
J	851.20
K	850.80

** DRAINAGE FOR TEMPORARY WIRE FACED MSE WALL, INCLUDED WITH ITEM 867 FOR PAYMENT.

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-& A B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 2 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 1
MSE WALL NO. 2
I 70 OVER SR 256

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 3 TOTAL 6
SHEET P.1096 TOTAL P.1556

FAI/LIC-70.0.00/0.00

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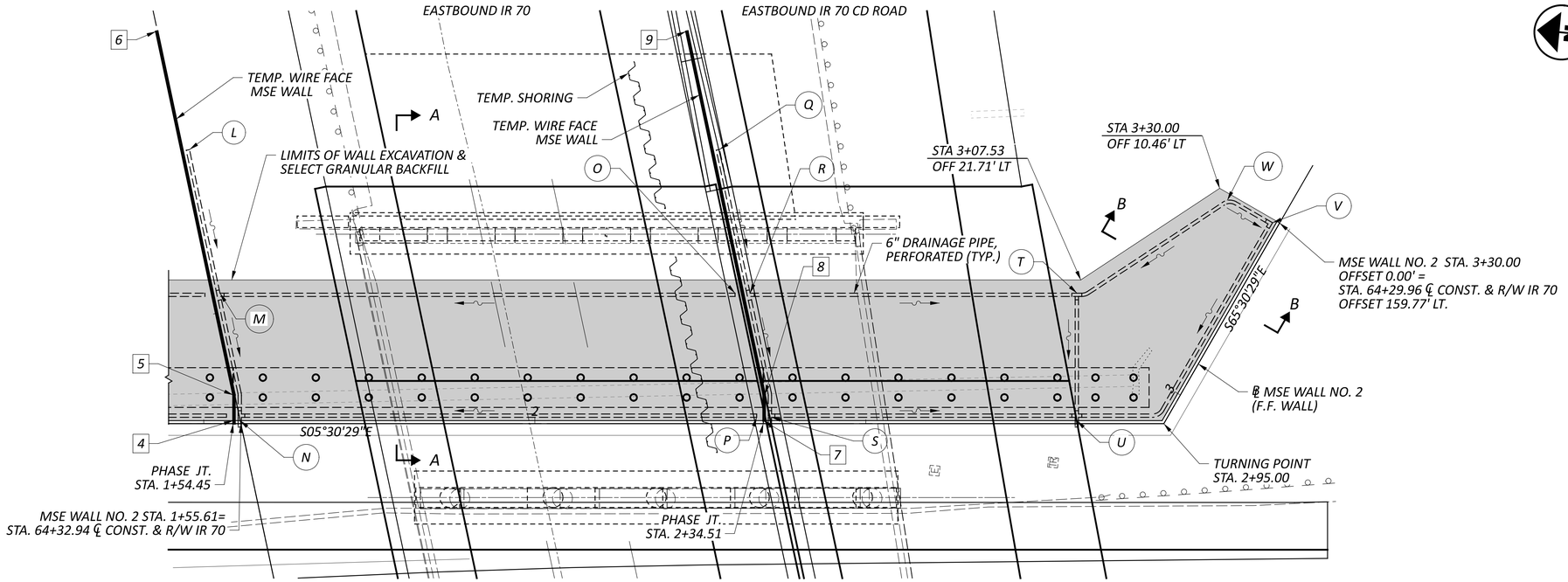
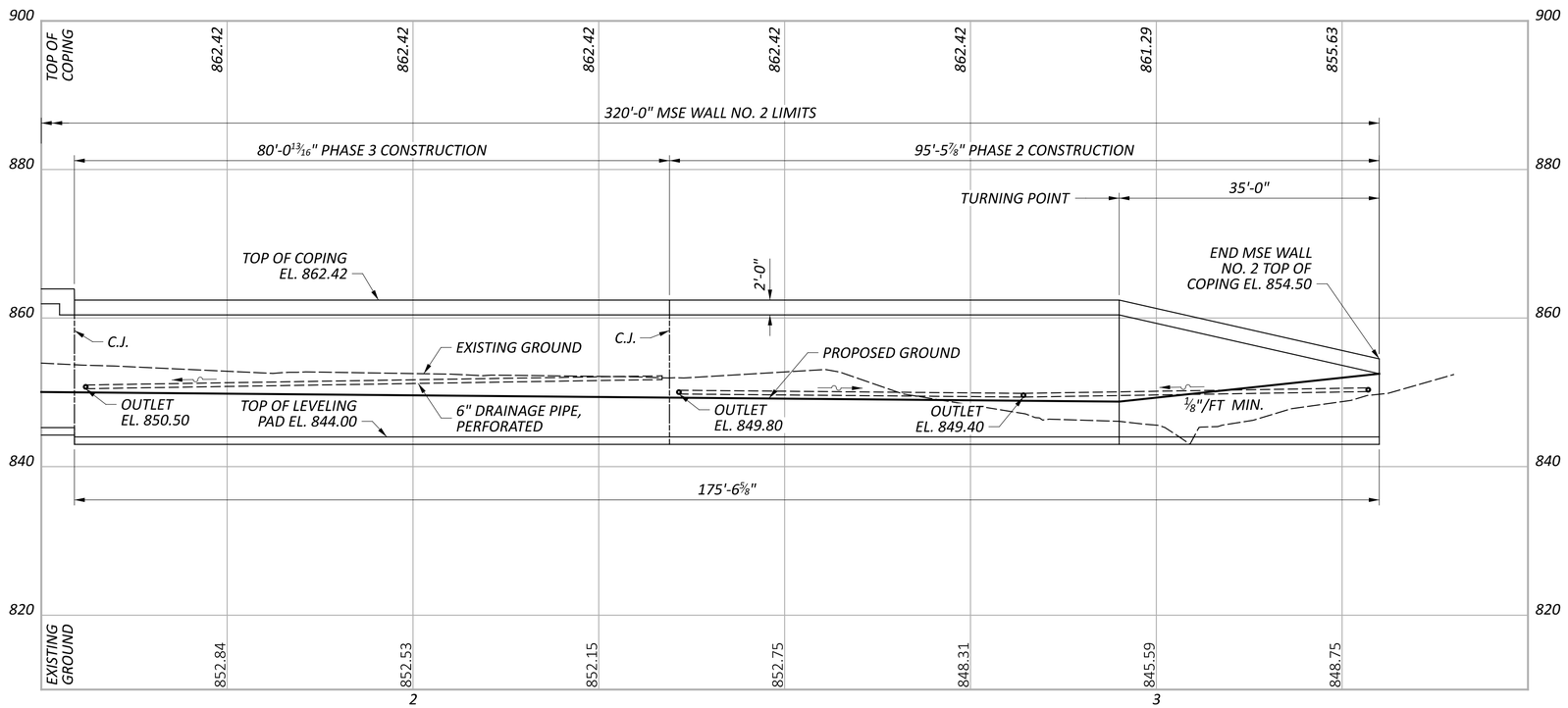


PLAN



ELEVATION

TEMP. WIRE FACE MSE WALL		
LOCATION	STATION	OFFSET
4	1+54.45	0.46' LT.
5	1+54.45	4.33' LT.
6	1+42.78	59.23' LT.
7	2+34.51	0.46' LT.
8	2+34.51	4.33' LT.
9	2+22.84	59.23' LT.

MSE WALL NO. 2 DRAINAGE TABLE	
LOCATION	ELEVATION
L	**
M	850.90
N	850.50
O	852.40
P	851.80
Q	**
R	850.20
S	849.80
T	849.80
U	849.40
V	850.20
W	850.40

** DRAINAGE FOR TEMPORARY WIRE FACED MSE WALL, INCLUDED WITH ITEM 867 FOR PAYMENT.

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-& A B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 2 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 2
MSE WALL NO. 2
I 70 OVER SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	4
TOTAL	6
SHEET	P.1097
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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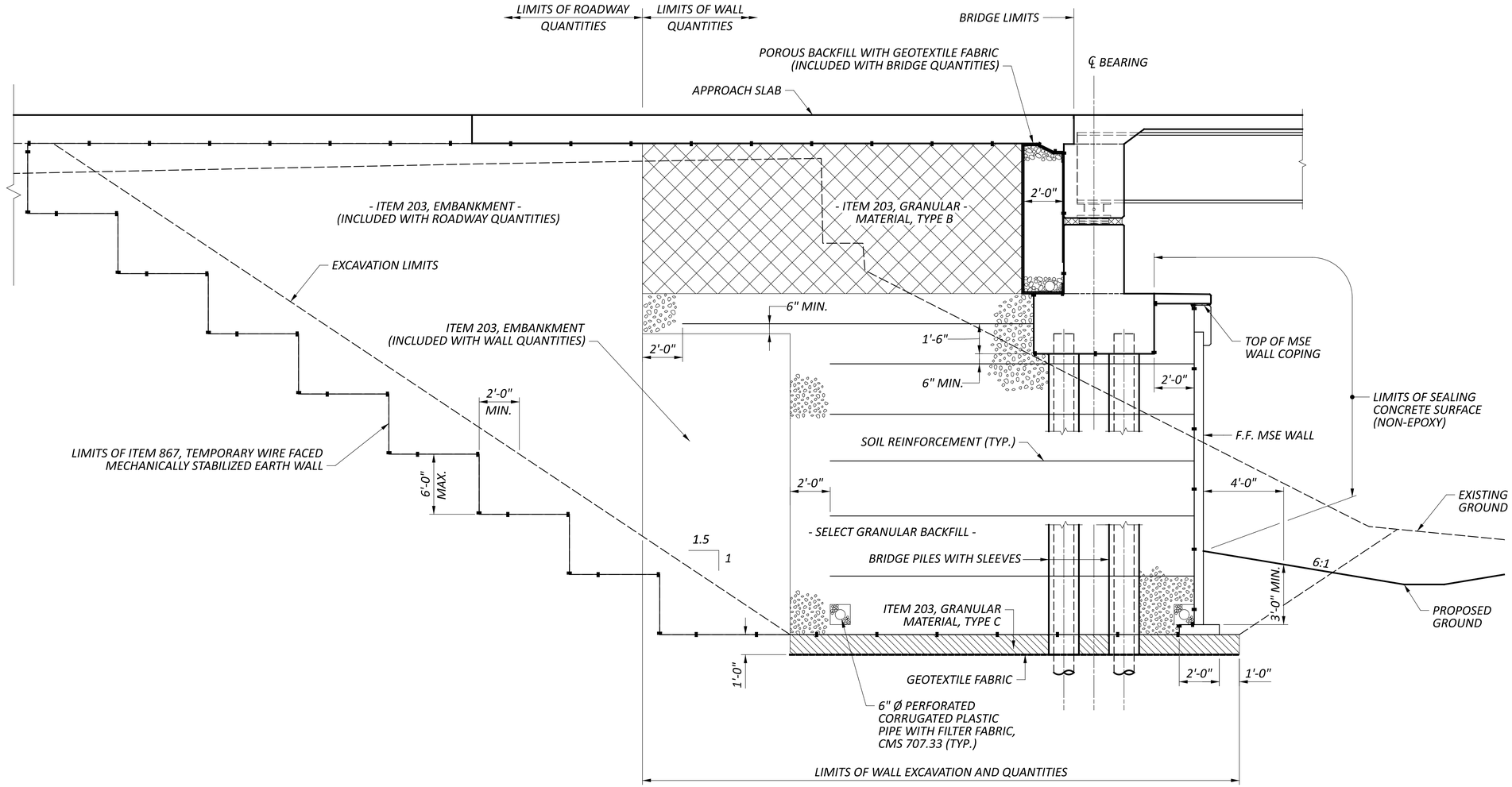

SECTION A-A

TYPICAL SECTION
MSE WALLS 1 & 2
I 70 OVER SR 256

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 5 | TOTAL 6

SHEET P.1098 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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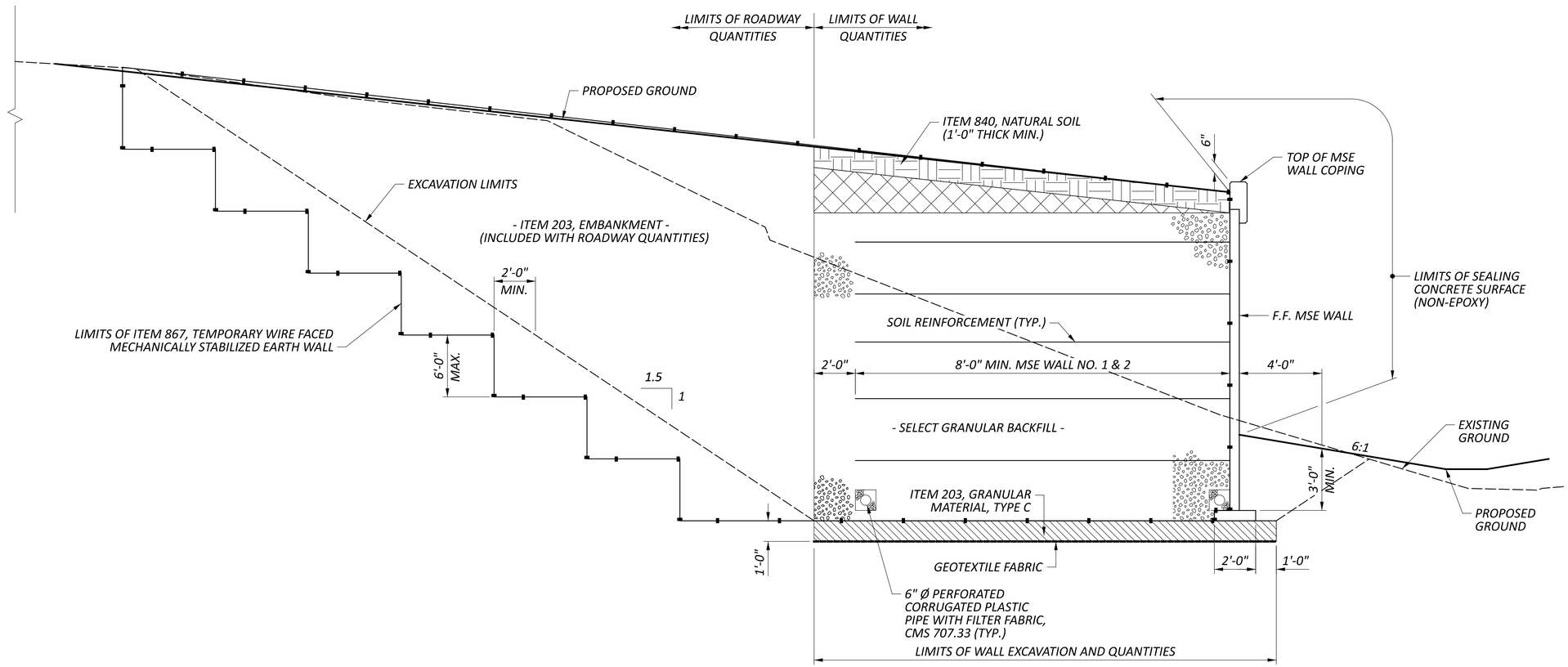

SECTION B-B

TYPICAL SECTION
MSE WALLS 1 & 2
I 70 OVER SR 256

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 6 | TOTAL 6

SHEET P.1099 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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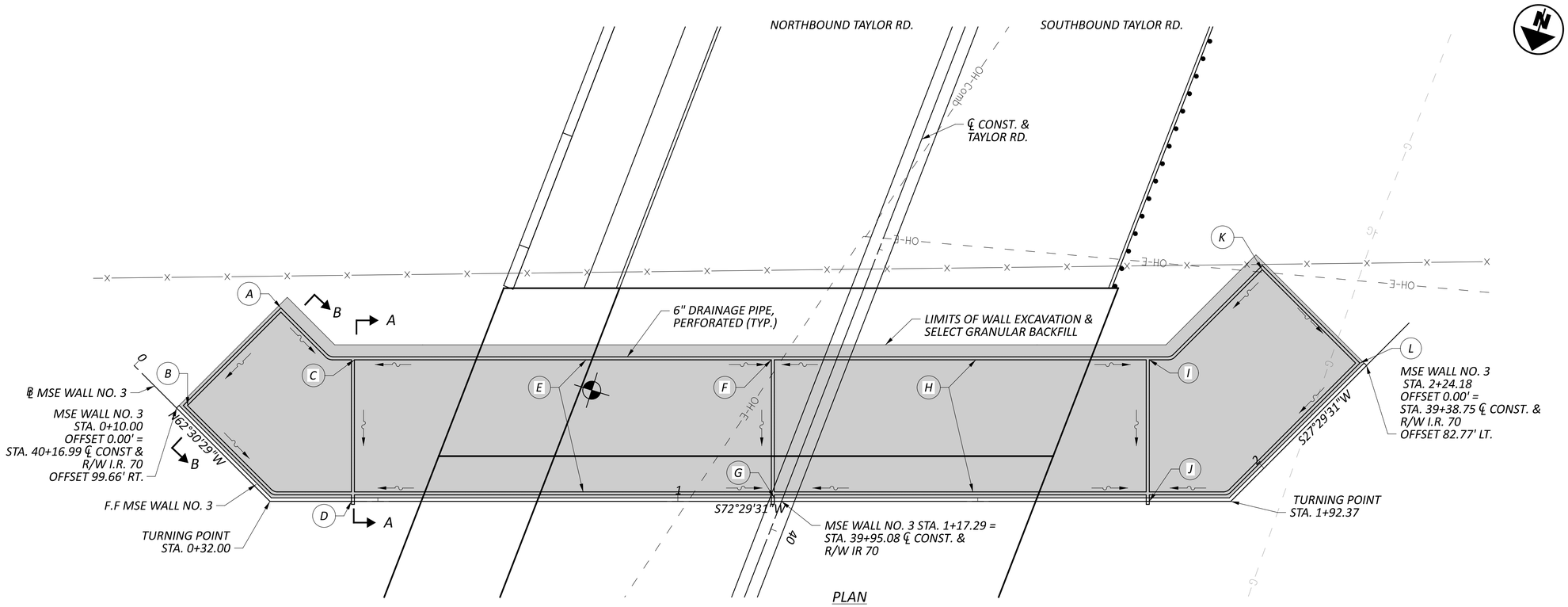
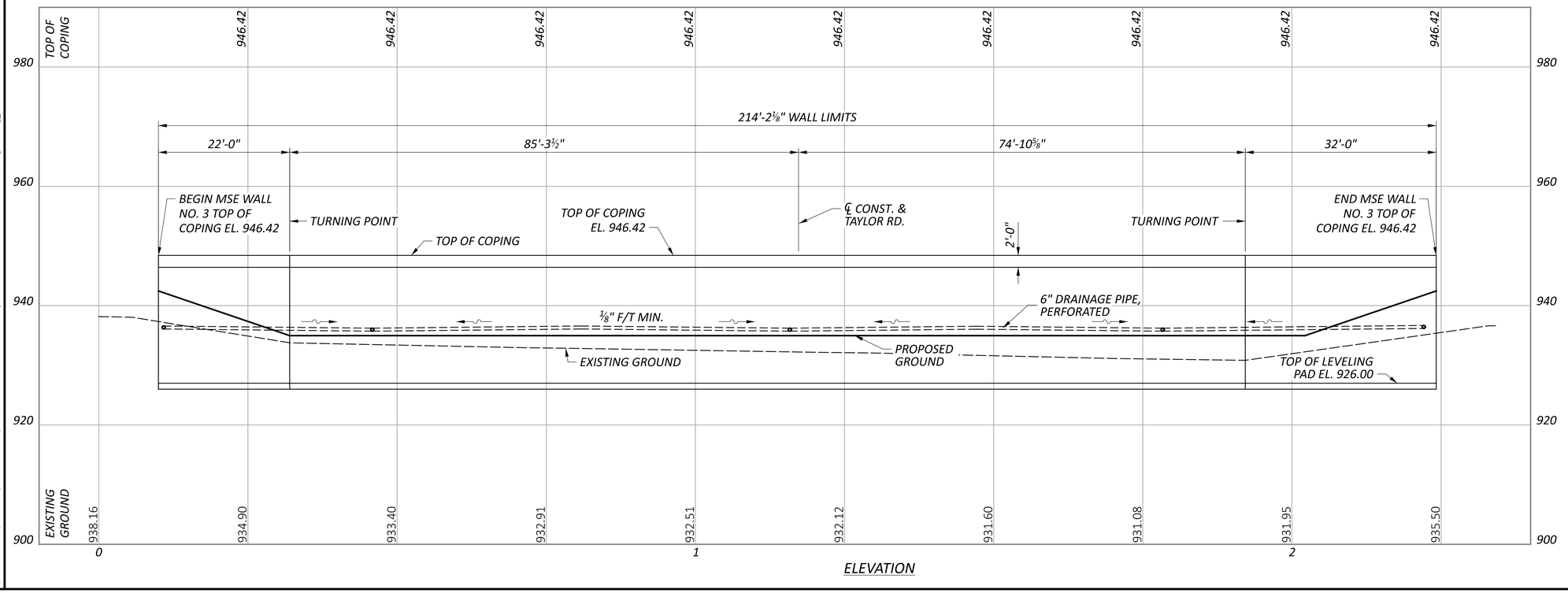


PLAN

MSE WALL NO. 1 DRAINAGE TABLE	
LOCATION	ELEVATION
A	936.50
B	936.20
C	936.05
D	935.75
E	936.50
F	936.05
G	935.75
H	936.50
I	936.05
J	935.75
K	936.60
L	936.30



ELEVATION

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 3-4/4.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 3 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION MSE WALL NO. 3 TAYLOR RD OVER I70

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET / TOTAL	1 / 4
SHEET / TOTAL	P.1100 / P.1556

FAI/LIC-70.0.00/0.00

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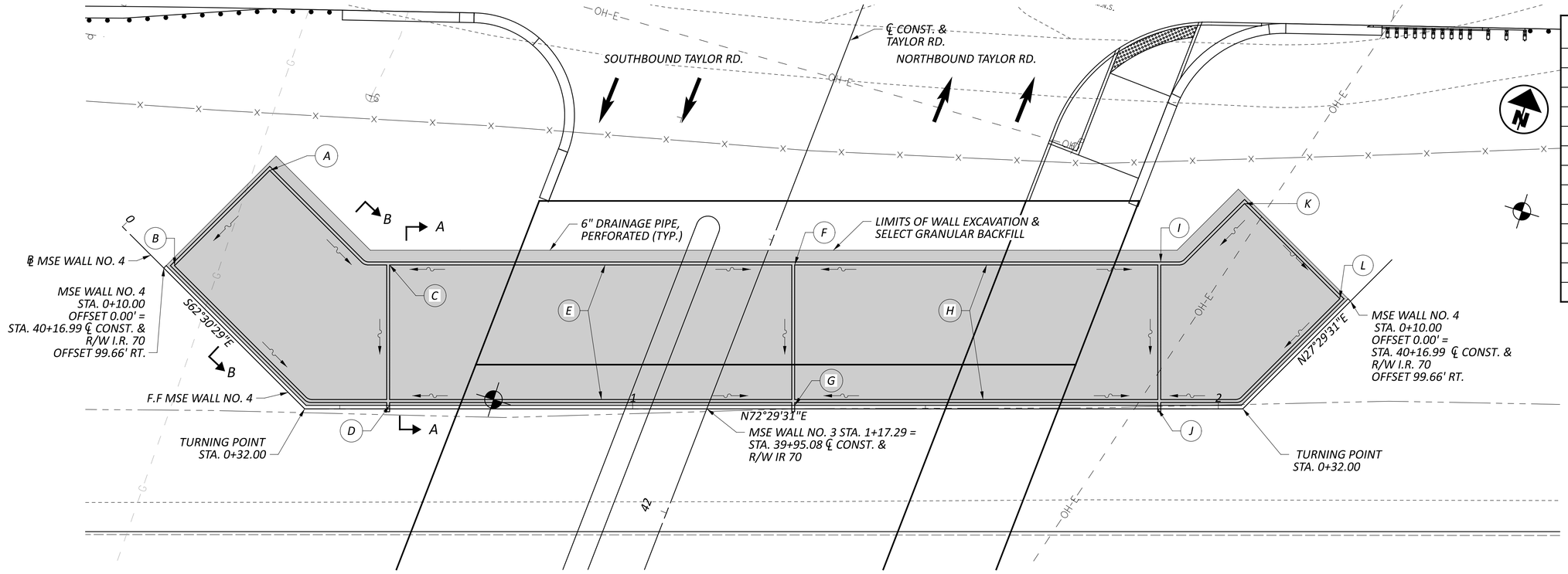
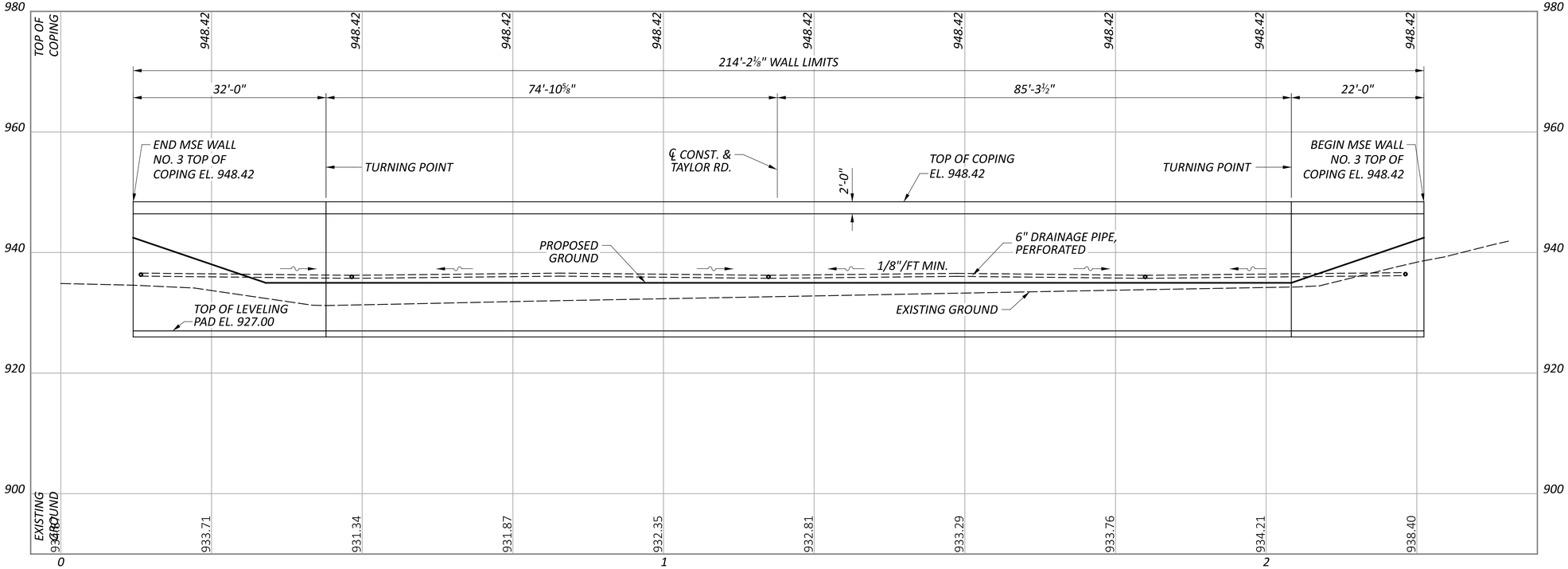


PLAN

MSE WALL NO. 1 DRAINAGE TABLE	
LOCATION	ELEVATION
A	936.60
B	936.30
C	936.05
D	935.75
E	936.50
F	936.05
G	935.75
H	936.50
I	936.05
J	935.75
K	936.60
L	936.30



ELEVATION

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 3-4/4.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 3 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION MSE WALL NO. 4 TAYLOR RD OVER I70

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET / TOTAL	2 / 4
SHEET / TOTAL	P.1101 / P.1556

FAI/LIC-70.0.00/0.00

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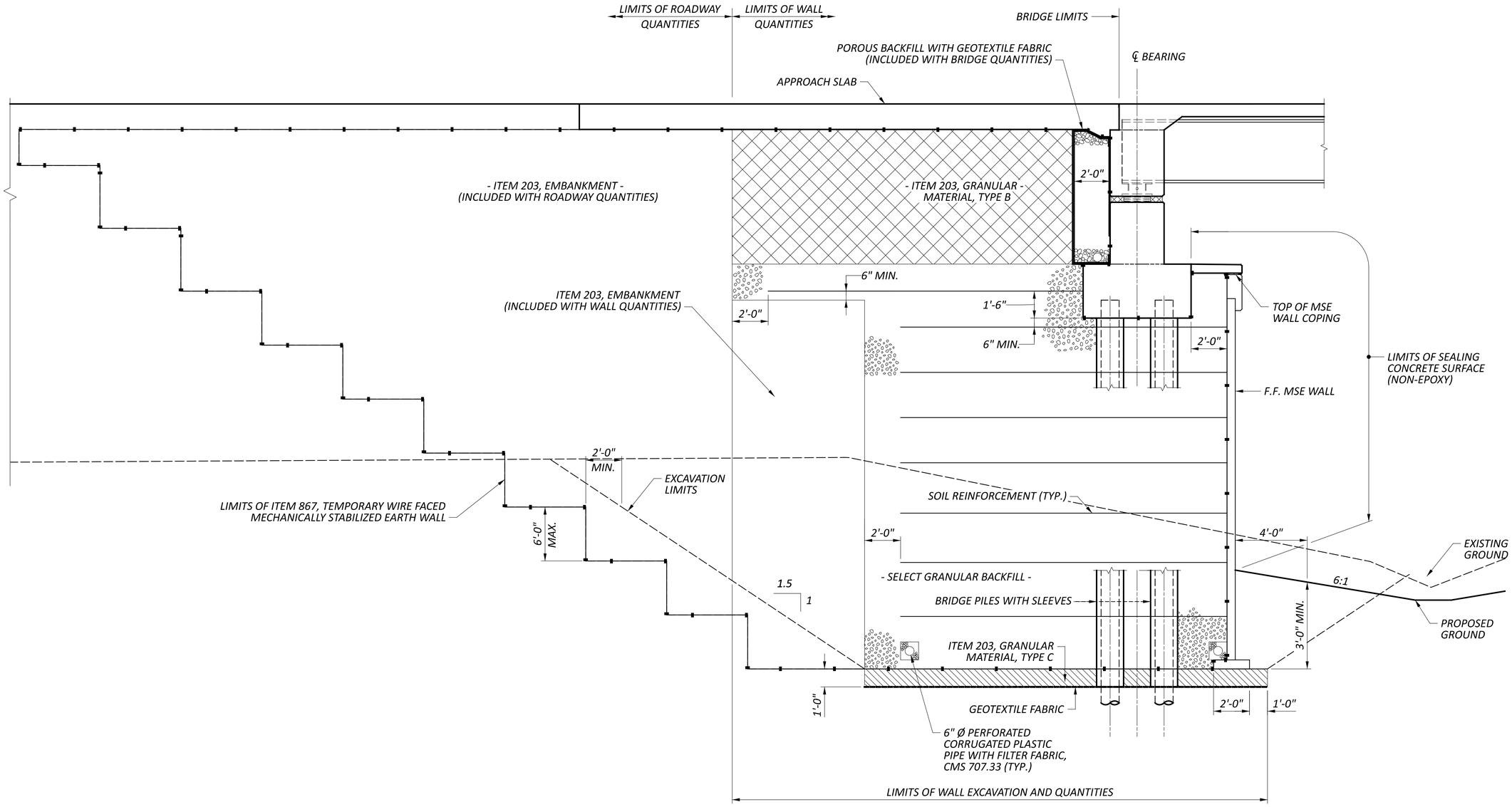

SECTION A-A

TYPICAL SECTION MSE WALLS 3 & 4 TAYLOR RD OVER I70

FAI/LIC-70.0.00/0.00

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

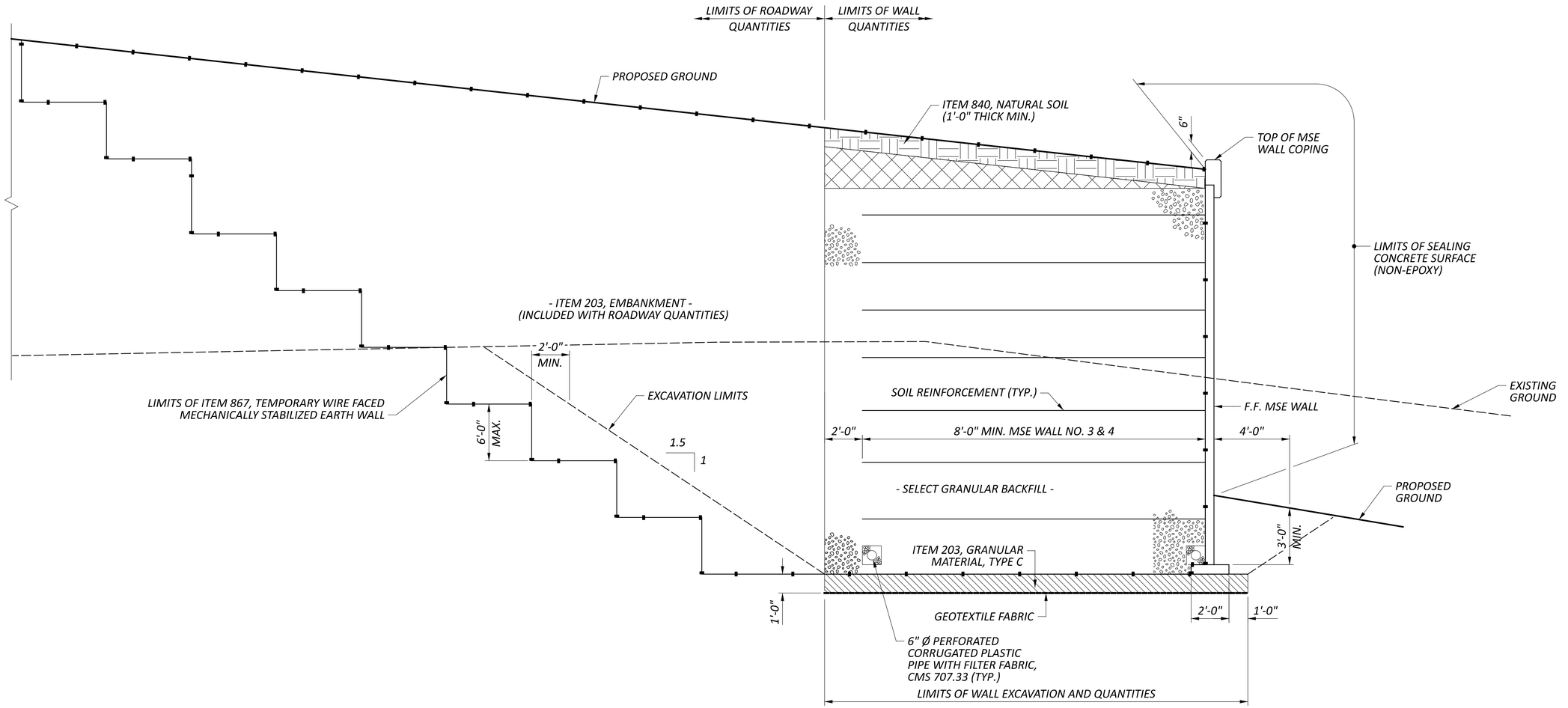
DESIGNER
SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 3 | TOTAL 4

SHEET P.1102 | TOTAL P.1556



SECTION B-B

TYPICAL SECTION
MSE WALLS 3 & 4
TAYLOR RD OVER I70

FAI/LIC-70.0.00/0.00

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DESIGN AGENCY
STRUCTUREPOINT LLC

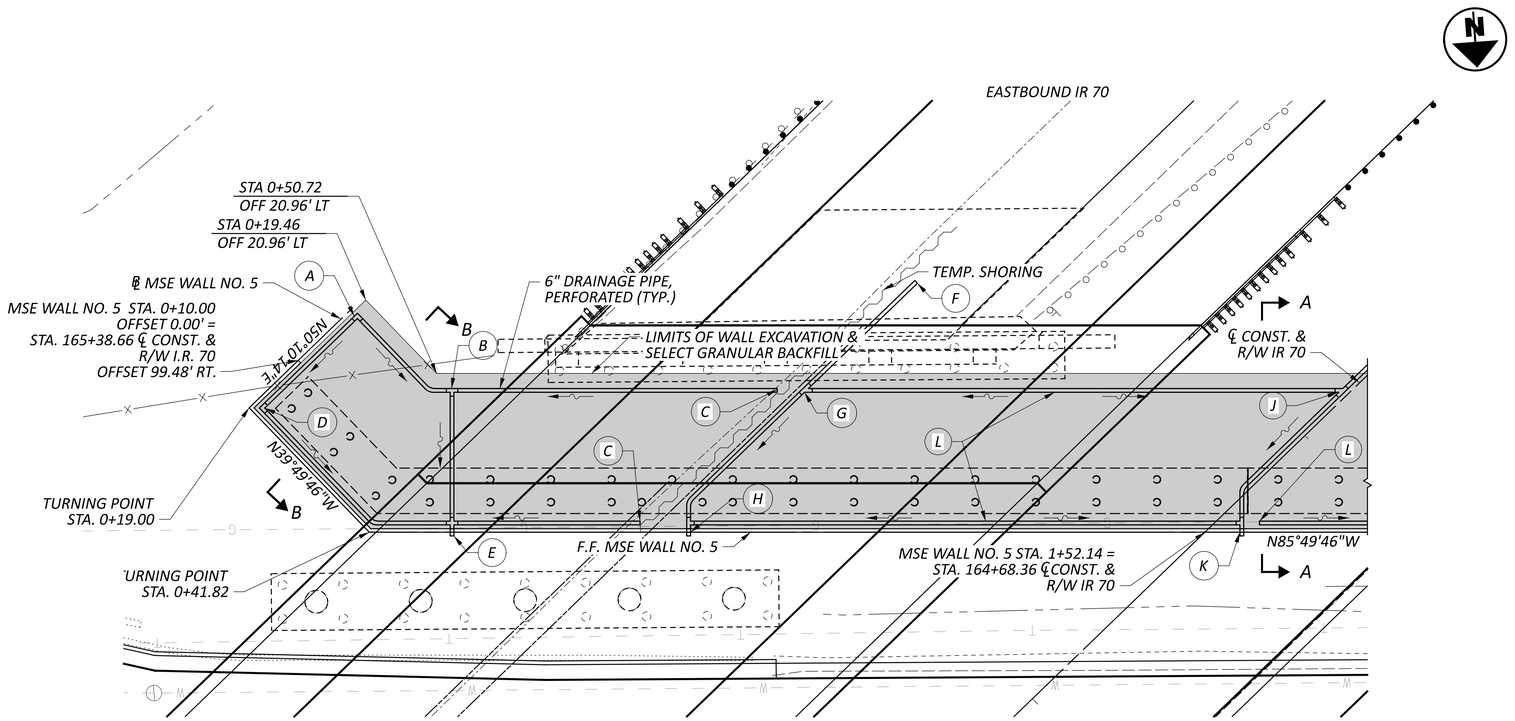
DESIGNER
SJF

REVIEWER
CLB 04/25/25

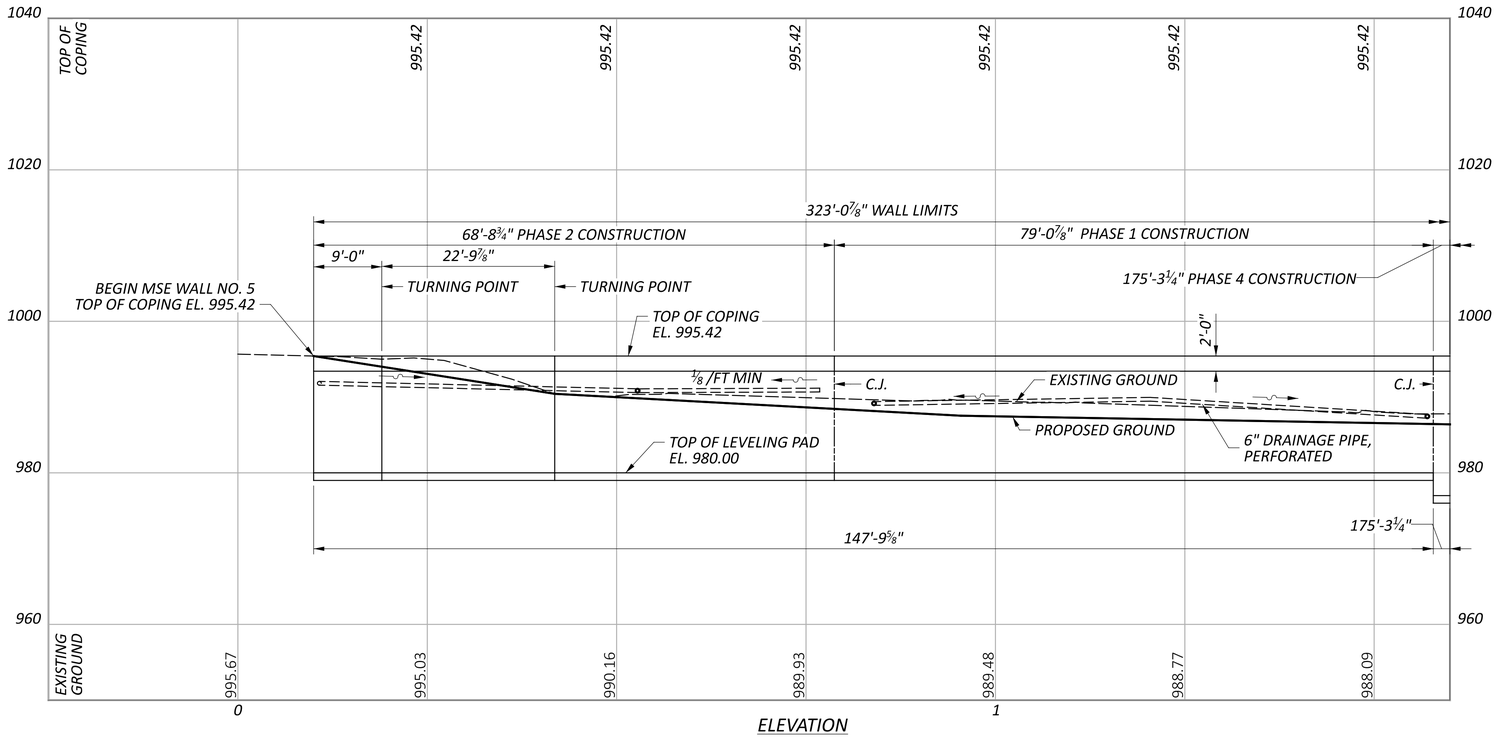
PROJECT ID
96808

SUBSET 4 | TOTAL 4

SHEET P.1103 | TOTAL P.1556



PLAN



ELEVATION

MSE WALL NO. 5 DRAINAGE TABLE	
LOCATION	ELEVATION
A	991.15
B	990.95
C	991.40
D	990.95
E	990.60
F	**
G	989.25
H	988.95
I	989.75
J	987.55
K	987.25
L	987.00

** DRAINAGE FOR TEMPORARY WIRE FACED MSE WALL, INCLUDED WITH ITEM 867 FOR PAYMENT.

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 5 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 1
MSE WALL NO. 5
I 70 OVER PALMER RD.

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 1 TOTAL 6
SHEET P.1104 TOTAL P.1556

FAI/LIC-70.0.00/0.00

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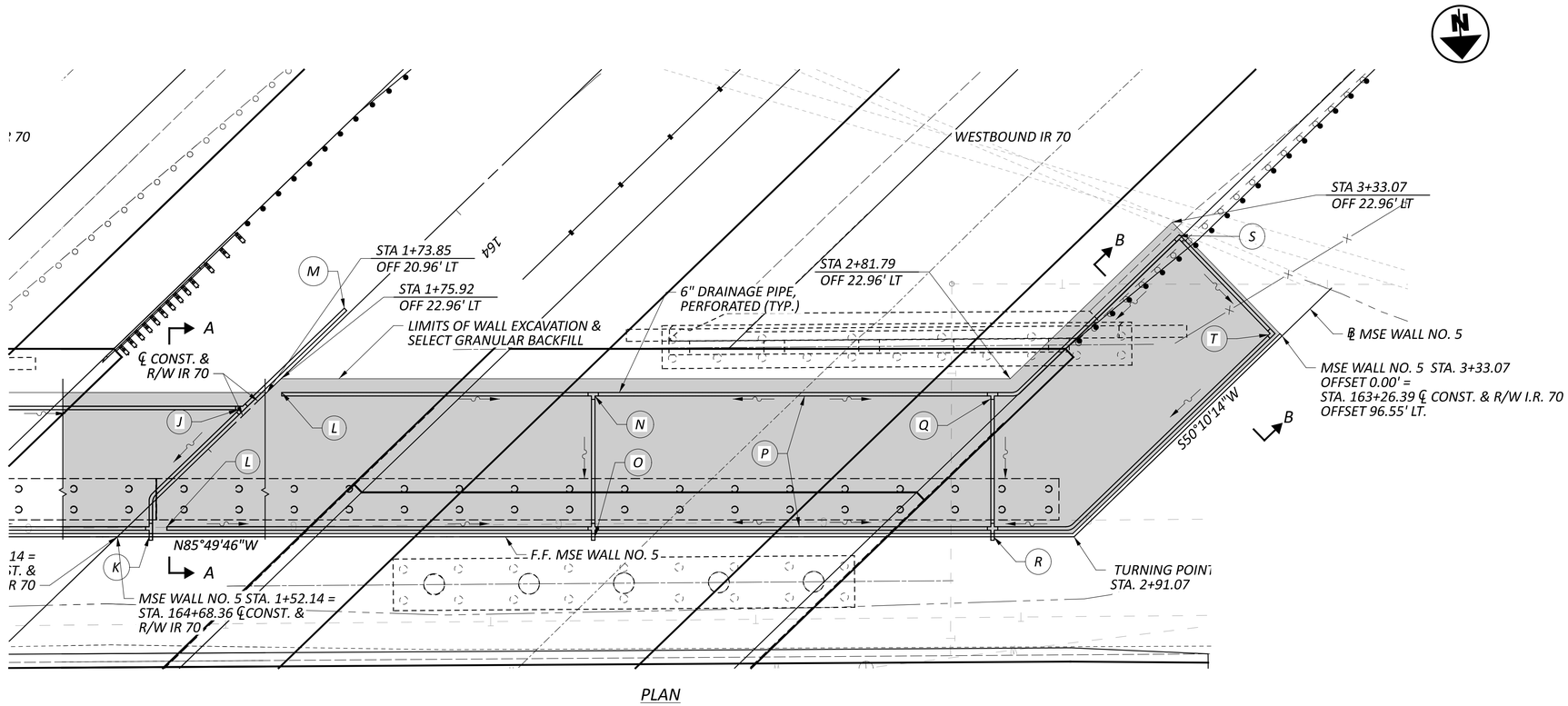
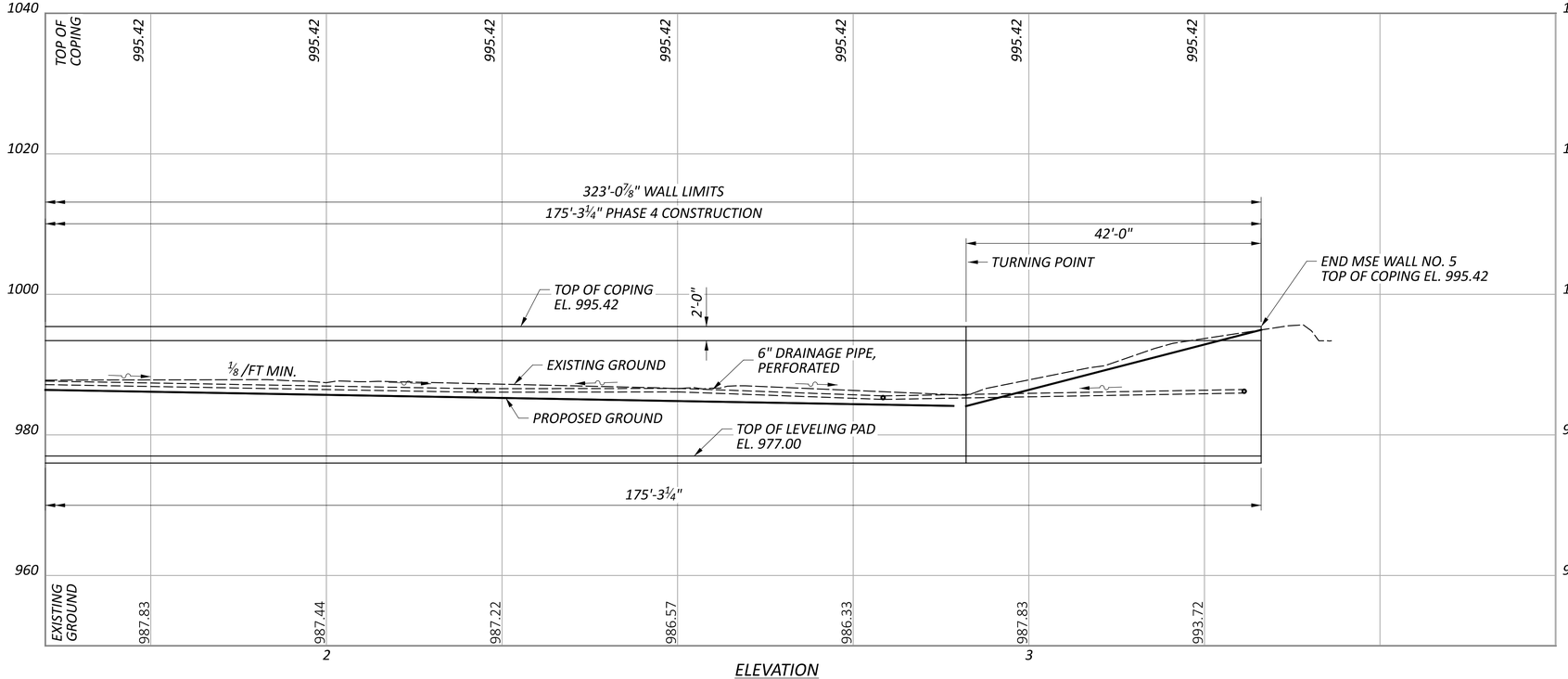


PLAN



ELEVATION

MSE WALL NO. 5 DRAINAGE TABLE	
LOCATION	ELEVATION
J	987.55
K	987.25
L	987.00
M	**
N	986.35
O	986.10
P	986.70
Q	985.35
R	985.10
S	985.90
T	985.65

** DRAINAGE FOR TEMPORARY WIRE FACED MSE WALL, INCLUDED WITH ITEM 867 FOR PAYMENT.

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 5 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 2
MSE WALL NO. 5
I 70 OVER PALMER RD.

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 2 TOTAL 6
SHEET P.1105 TOTAL P.1556

FAI/LIC-70.0.00/0.00

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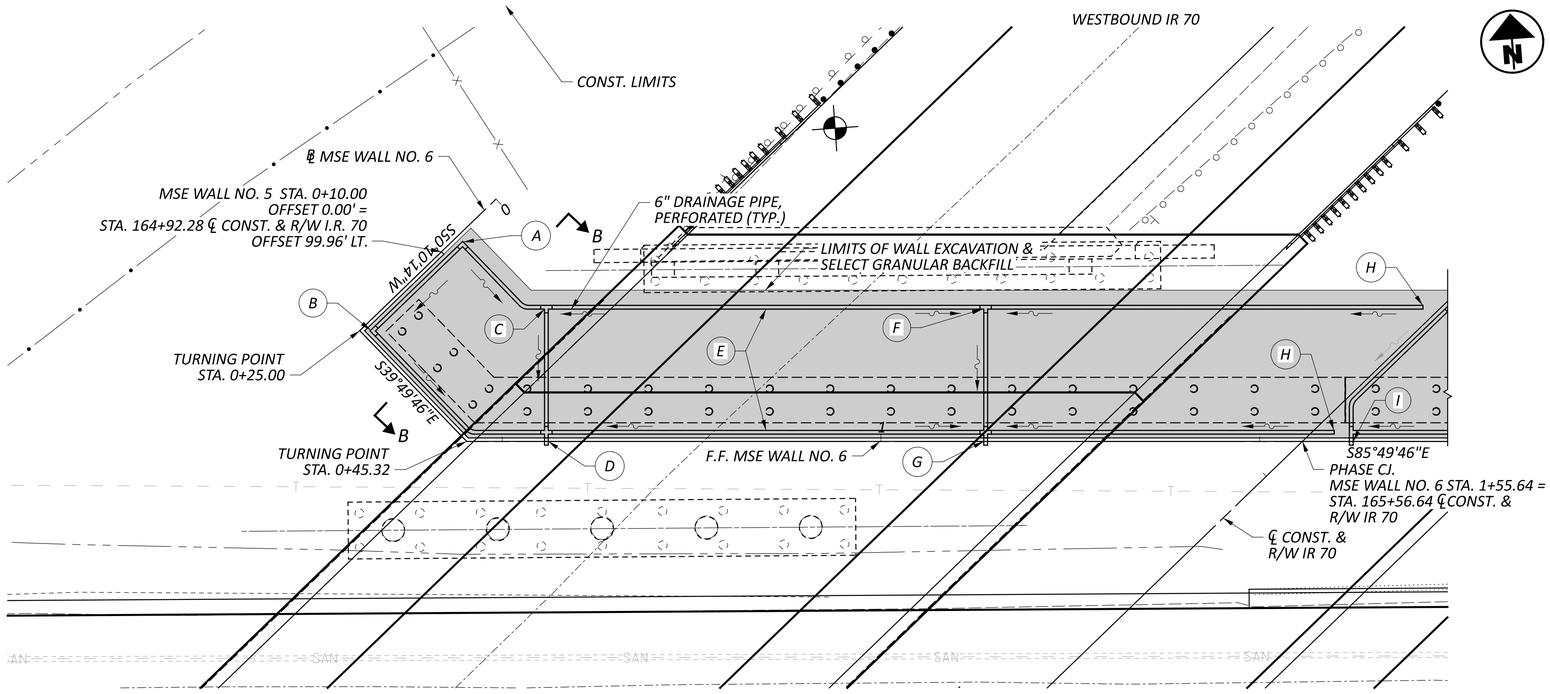
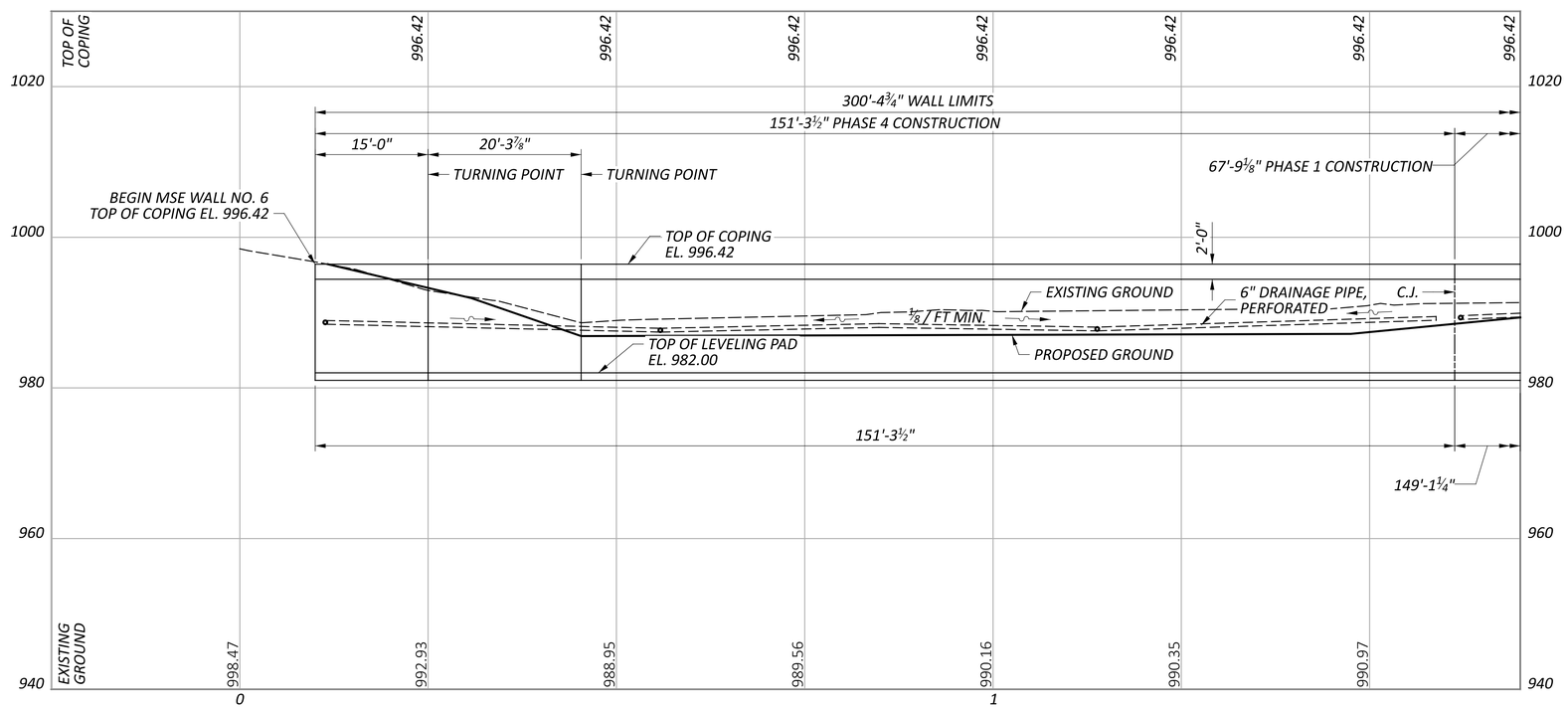


PLAN



ELEVATION

MSE WALL NO. 6 DRAINAGE TABLE	
LOCATION	ELEVATION
A	988.30
B	988.05
C	987.90
D	987.70
E	988.40
F	988.05
G	987.85
H	988.70
I	989.35

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 6 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION -1
MSE WALL NO. 6
I 70 OVER PALMER RD.

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	3
TOTAL	6
SHEET	P.1106
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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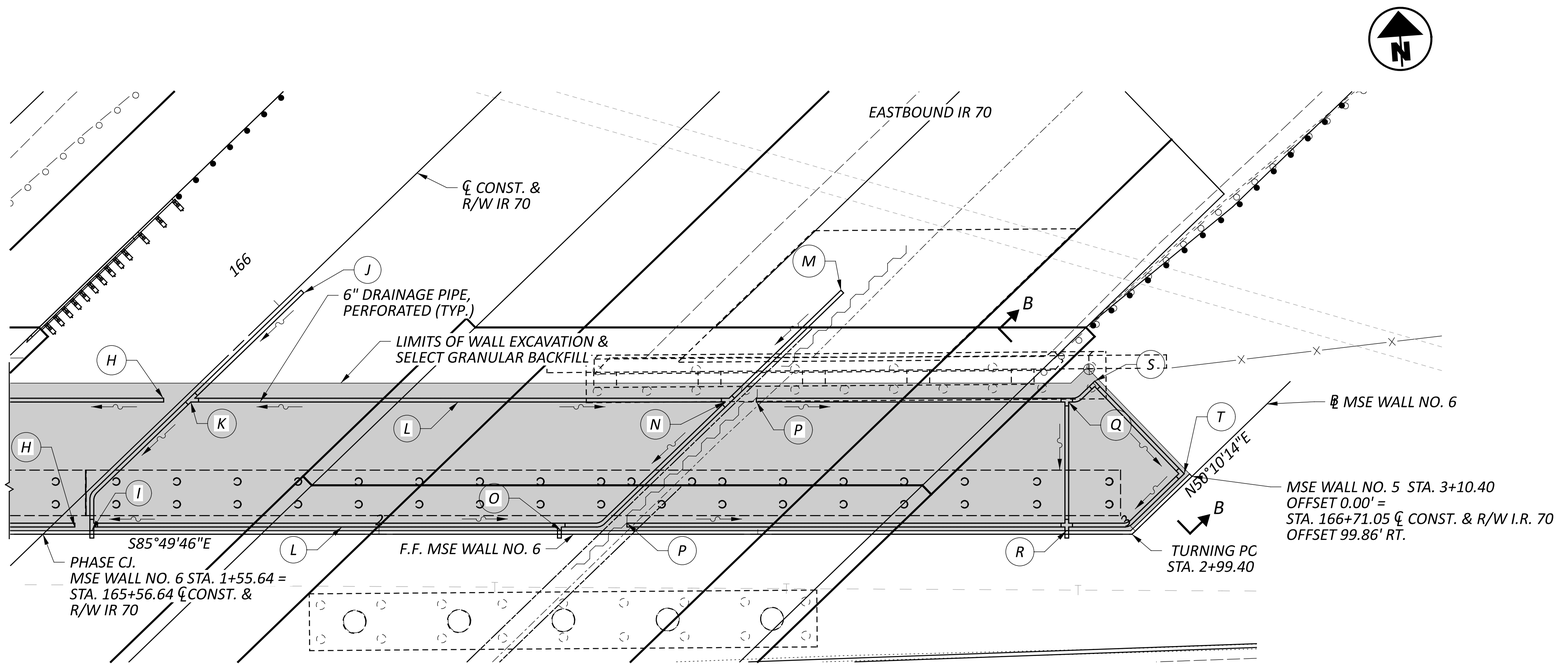
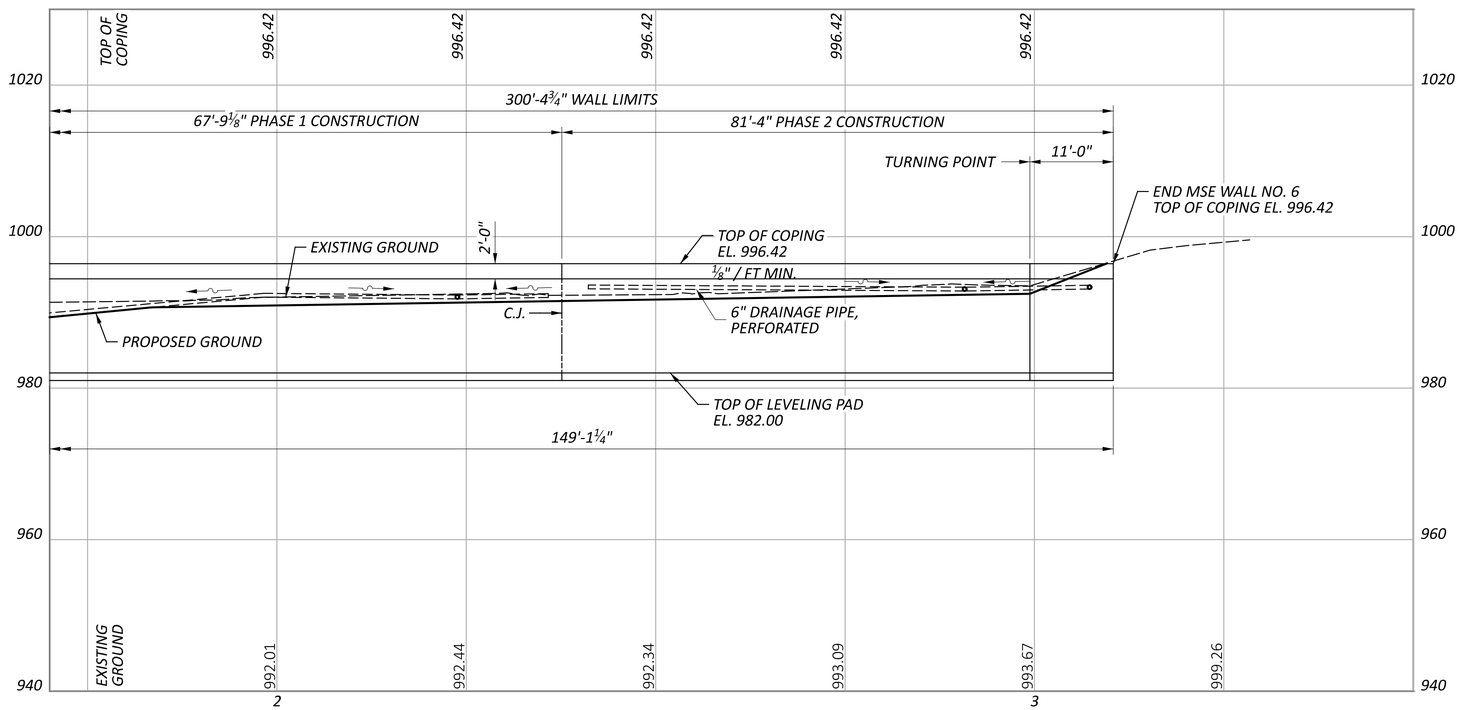


PLAN



ELEVATION

MSE WALL NO. 6 DRAINAGE TABLE	
LOCATION	ELEVATION
H	988.70
I	989.35
J	**
K	989.65
L	992.80
M	**
N	992.40
O	992.05
P	993.80
Q	993.30
R	993.10
S	993.50
T	993.30

LEGEND:

- LIMITS WALL EXCAVATION & SELECT GRANULAR BACKFILL
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

NOTES:

PROFILE SHOWN ALONG F.F. WALL.

FOR SECTION A-A & B-B SEE SHEET 5-6/6.

ALL STATIONS AND OFFSETS GIVEN FROM ℄ MSE WALL NO. 6 UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET 0 5 10 20

PLAN AND ELEVATION - 2
MSE WALL NO. 6
I 70 OVER PALMER RD.

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET: 4 TOTAL: 6

SHEET: P.1107 TOTAL: P.1556

FAI/LIC-70.0.00/0.00

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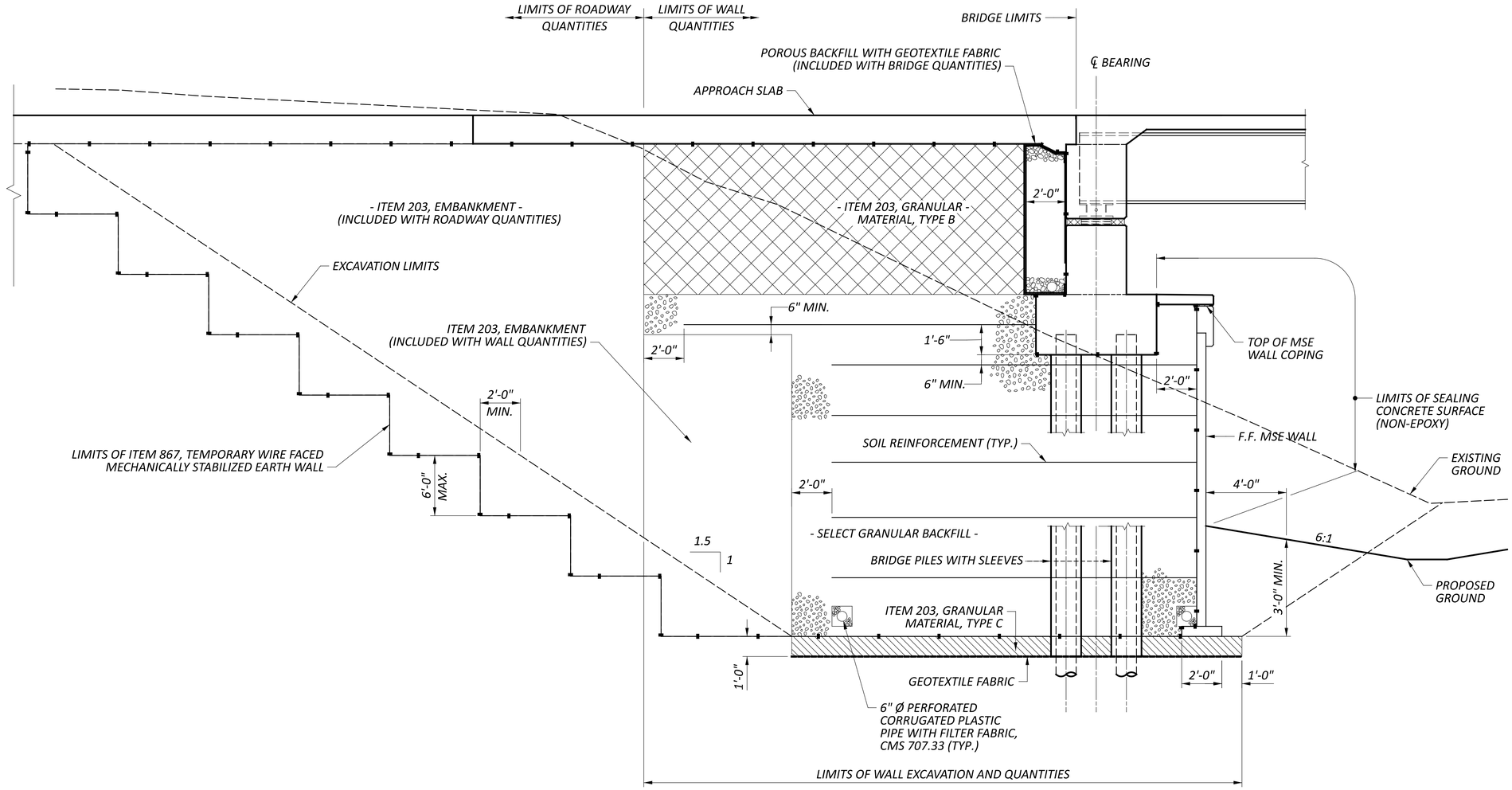

SECTION A-A

TYPICAL SECTION
MSE WALLS 5 & 6
I 70 OVER PALMER RD.

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
ABD

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET 5 | TOTAL 6

SHEET P.1108 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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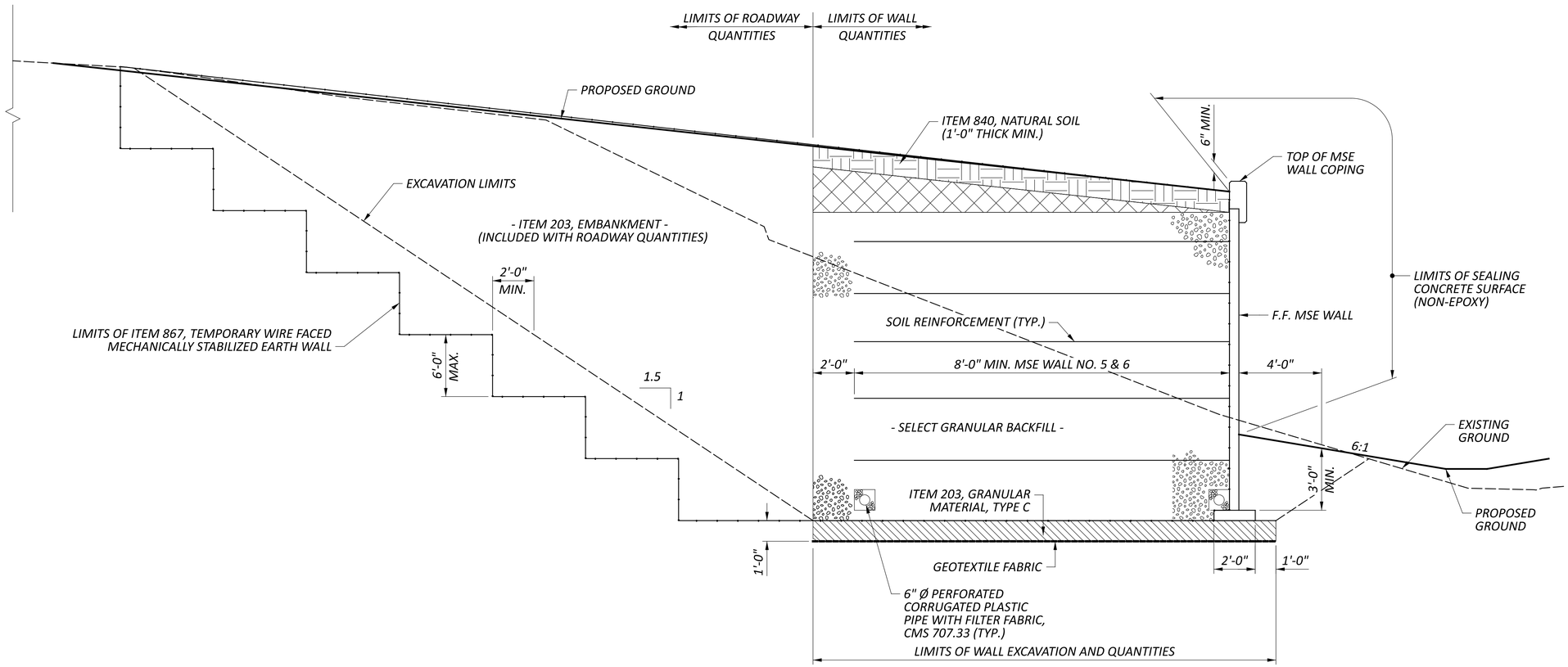

SECTION B-B

TYPICAL SECTION
MSE WALLS 5 & 6
I 70 OVER PALMER RD.

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 6 TOTAL 6
SHEET P.1109 TOTAL P.1556

FAI/LIC-70.0.00/0.00

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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):
SBR-1-20 REVISED 7/19/2024

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):
NONE

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI

GFRP REINFORCEMENT

PILE DESIGN LOADS (ULTIMATE BEARING VALUE, CIP WALL NO. 7 & CIP WALL NO. 9):

THE ULTIMATE BEARING VALUE IS 330 KIPS PER PILE FOR THE CIP WALL NO.7 PILES. THE ULTIMATE BEARING VALUE IS 185 KIPS PER PILE FOR THE CIP WALL NO. 9 PILES.

CIP WALL NO. 7 PILES:
14" C.I.P. PILES ORDER LENGTH VARIES, SEE PILE SCHEDULE ON SHEETS 8 TO 11.
2 DYNAMIC LOAD TESTING ITEMS
1 STATIC LOAD TEST
2 RESTRIKE TESTS

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.375 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES (CIP WALL NO. 7).

CIP WALL NO. 9 PILES:
12" C.I.P. PILES 50 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.280 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES (CIP WALL NO. 9).

FOUNDATION BEARING RESISTANCE:

CIP WALL NO. 8 FOOTINGS, AS DESIGNED, PRODUCE A MAXIMUM SERVICE LOAD PRESSURE OF 1.8 KIPS PER SQUARE FOOT AND A MAXIMUM STRENGTH LOAD PRESSURE OF 2.3 KIPS PER SQUARE FOOT. THE FACTORED BEARING RESISTANCE IS 4.1 KIPS PER SQUARE FOOT.

ABBREVIATIONS:

APPR.	APPROACH
B	BOTTOM
BRG.	BEARING
℄	CENTERLINE
CIP	CAST-IN-PLACE
CONST.	CONSTRUCTION
C.J.	CONSTRUCTION JOINT
Ø	DIAMETER
DWG.	DRAWING
E.F.	EACH FACE
EL.	ELEVATION
ELEV.	ELEVATION
EQ.	EQUAL
EXP. JT.	EXPANSION JOINT
EXT.	EXTERIOR
EX.	EXISTING
F.A.	FORWARD ABUTMENT
F.F.	FAR FACE
FTG.	FOOTING
F/F	FACE TO FACE
INT.	INTERIOR
LF.	LEFT
MAX.	MAXIMUM
MIN.	MINIMUM
N.F.	NEAR FACE
NPCPP	NON-PERFOARATED CORRUGATED PLASTIC PIPE
PCPP	PERFORATED CORRUGATED PLASTIC PIPE
PROP.	PROPOSED
O/O	OUT TO OUT
P.E.J.F.	PREFORMED EXPANSION JOINT FILLER
R.A.	REAR ABUTMENT
RT.	RIGHT
SPA.	SPACE
STA.	STATION
STD.	STANDARD
T	TOP
TYP.	TYPICAL

ESTIMATED QUANTITIES CIP WALL NO. 7 — CALCULATED BY: — DATE: — CHECKED BY: — DATE:

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
503	21300	LS	-	UNCLASSIFIED EXCAVATION	
505	11100	LS	-	PILE DRIVING EQUIPMENT MOBILIZATION	
507	00600		FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
507	00650		FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
509	10000		LB	EPOXY COATED REINFORCING STEEL	
509	30020		FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
511	34450		CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
511	46012		CY	CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUDING FOOTING	
511	46512		CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
512	10100		SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13600		SF	1" PREFORMED EXPANSION JOINT FILLER	
518	20000		SY	PREFABRICATED GEOCOMPOSITE DRAIN	
518	21200		CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
518	40000		FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
518	40010		FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	

ESTIMATED QUANTITIES CIP WALL NO. 8 — CALCULATED BY: CCJ — DATE: 4/30/2025 — CHECKED BY: ERK — DATE: 5/1/2025

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
503	21300	LS	-	UNCLASSIFIED EXCAVATION	
509	10000		LB	EPOXY COATED REINFORCING STEEL	
509	30020		FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
511	34450		CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
511	46012		CY	CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUDING FOOTING	
511	46512		CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
512	10100		SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13600		SF	1" PREFORMED EXPANSION JOINT FILLER	
518	20000		SY	PREFABRICATED GEOCOMPOSITE DRAIN	
518	21200		CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
518	40000		FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
518	40010		FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	

ESTIMATED QUANTITIES CIP WALL NO. 9 — CALCULATED BY: CCJ — DATE: 4/29/2025 — CHECKED BY: ERK — DATE: 5/1/2025

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
503	21300	LS	-	UNCLASSIFIED EXCAVATION	
505	11100	LS	-	PILE DRIVING EQUIPMENT MOBILIZATION	
507	00500		FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
507	00550		FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
509	10000		LB	EPOXY COATED REINFORCING STEEL	
511	46012		CY	CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUDING FOOTING	
511	46512		CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
512	10100		SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13600		SF	1" PREFORMED EXPANSION JOINT FILLER	
518	20000		SY	PREFABRICATED GEOCOMPOSITE DRAIN	
518	21200		CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
518	40000		FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
518	40010		FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	

GENERAL NOTES & ESTIMATED QUANTITIES
CIP WALL NO. 7, NO. 8 & NO. 9
ALONG EXISITNG TAYLOR ROAD

SFN N/A

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
1	1

SHEET	TOTAL
P.1110	P.1535

FAI/LIC-IR 70-0.00/0.00

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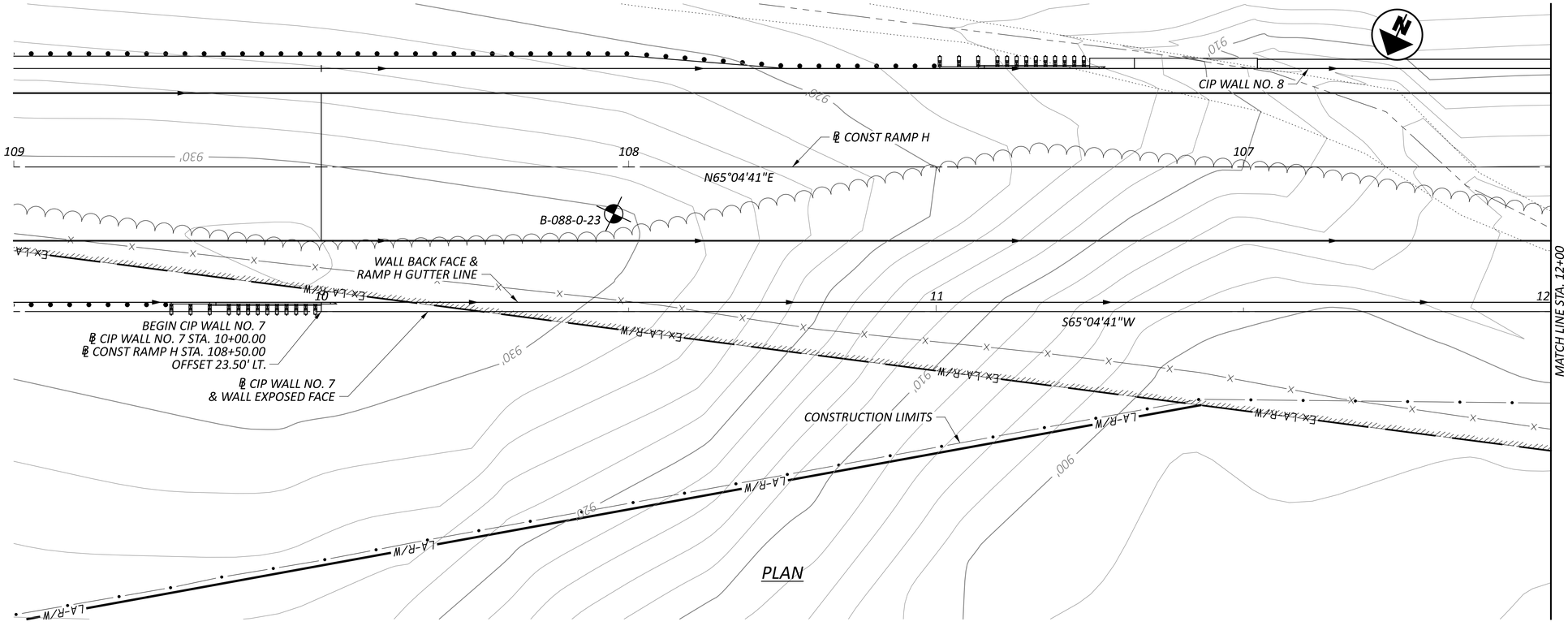
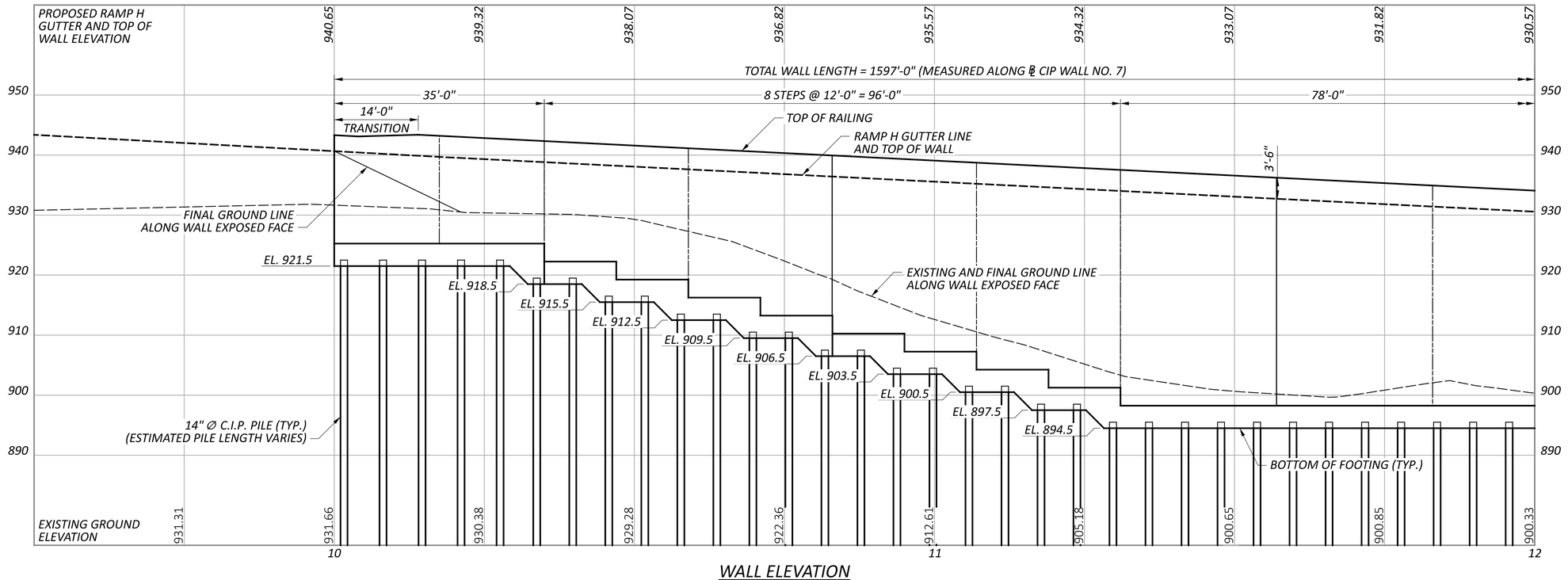


PLAN



WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 1
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
1	18

SHEET	TOTAL
P.1111	P.1535

FAI/LIC-IR 70-0.00/0.00

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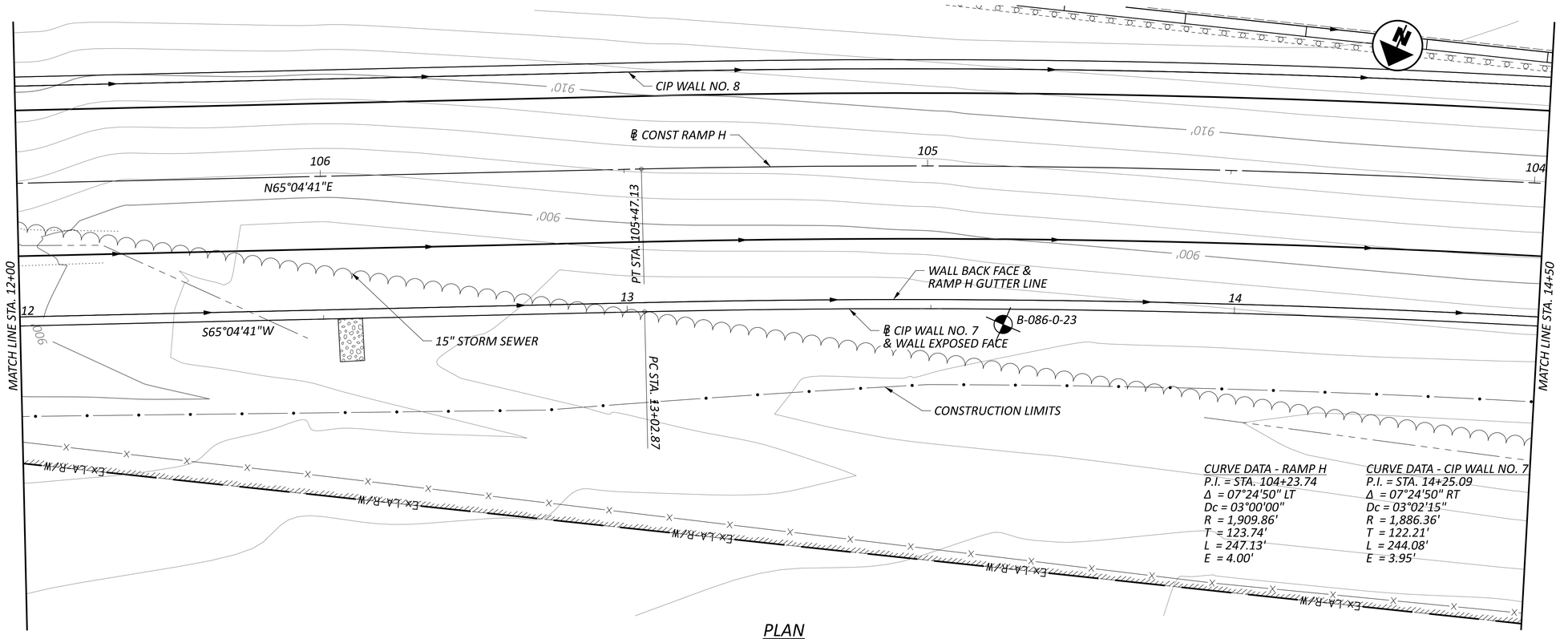
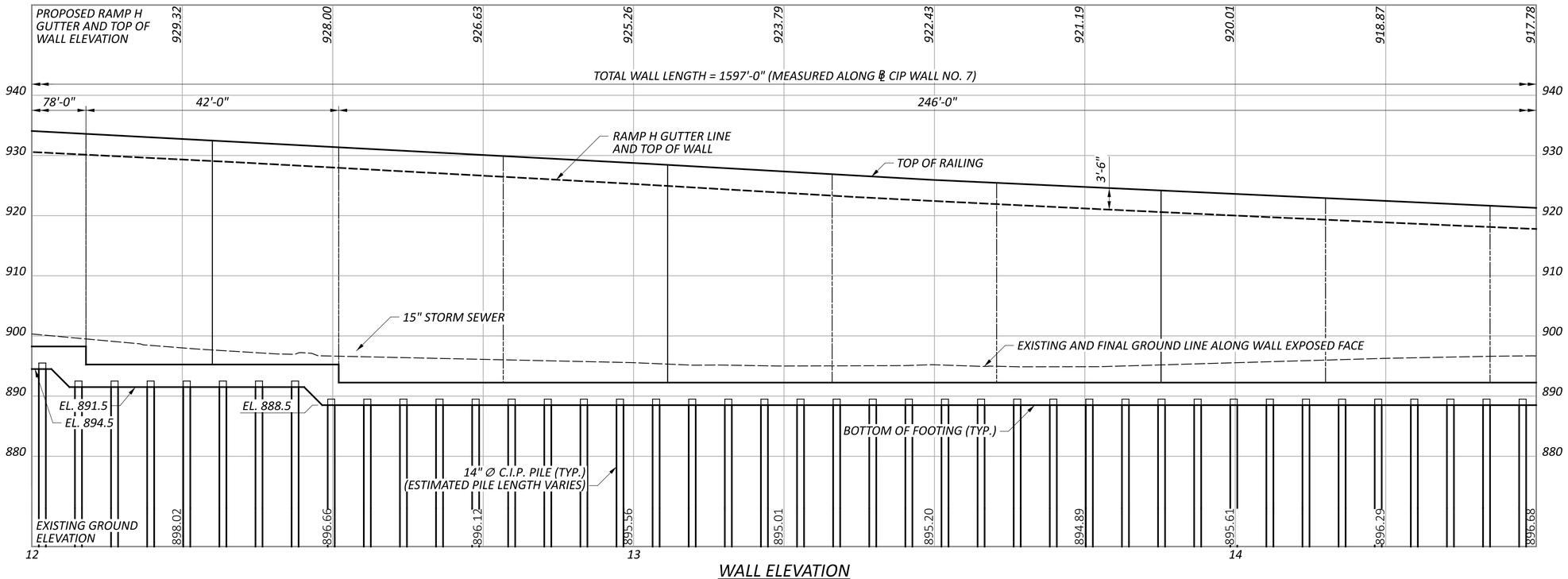


PLAN



WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 2
CIP WALL NO. 7
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

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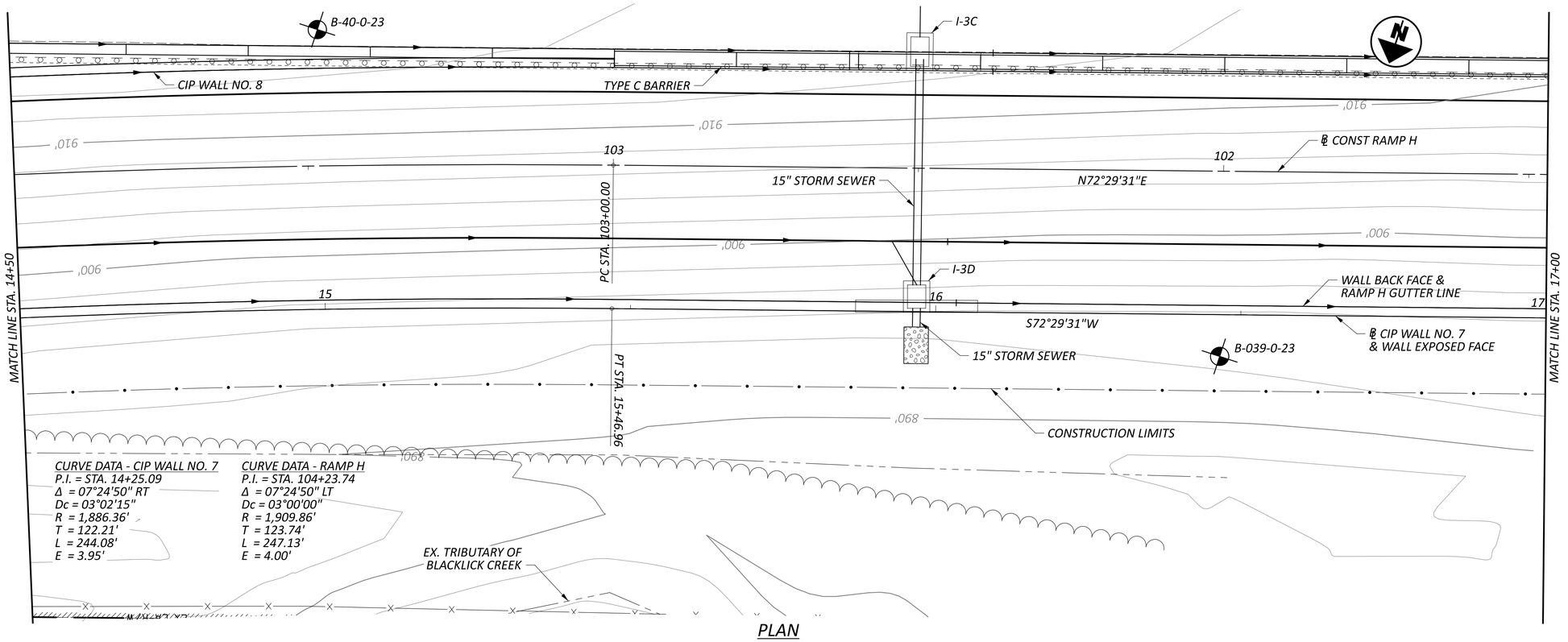
SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	ZTW
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	2
TOTAL	18
SHEET	P.1112
TOTAL	P.1535



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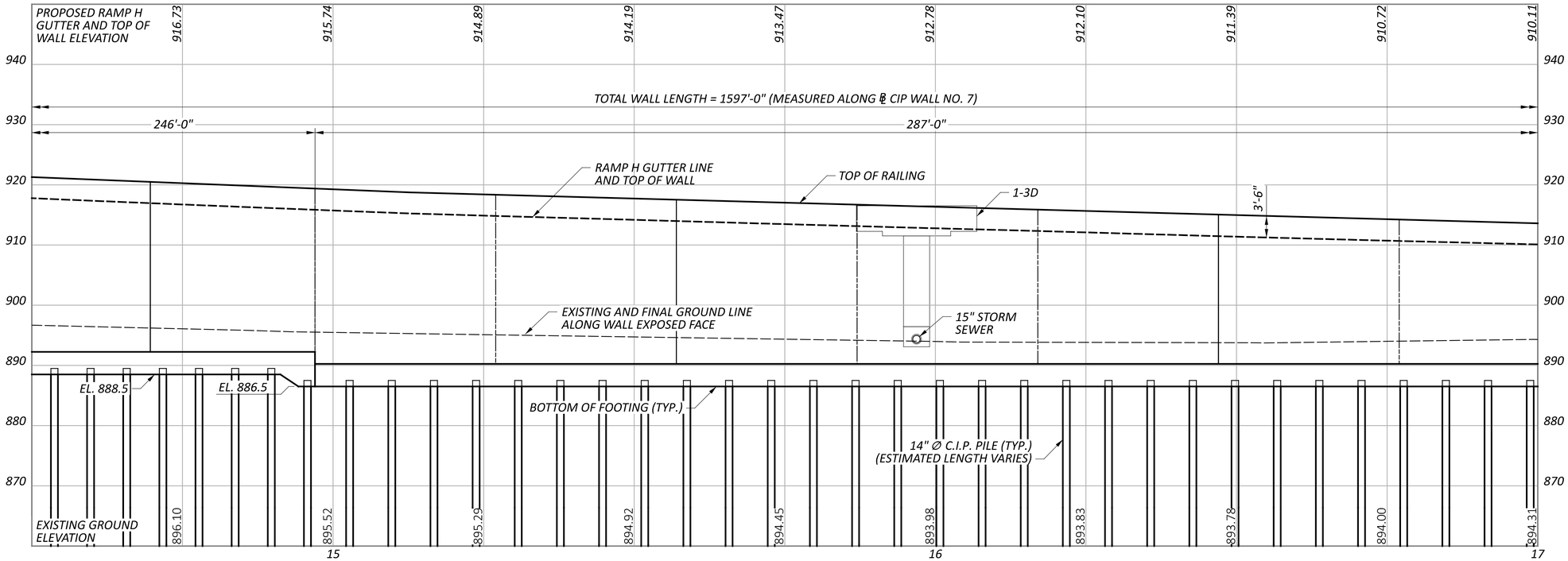

WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 3
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
3	18

SHEET	TOTAL
P.1113	P.1535

FAI/LIC-IR 70-0.00/0.00

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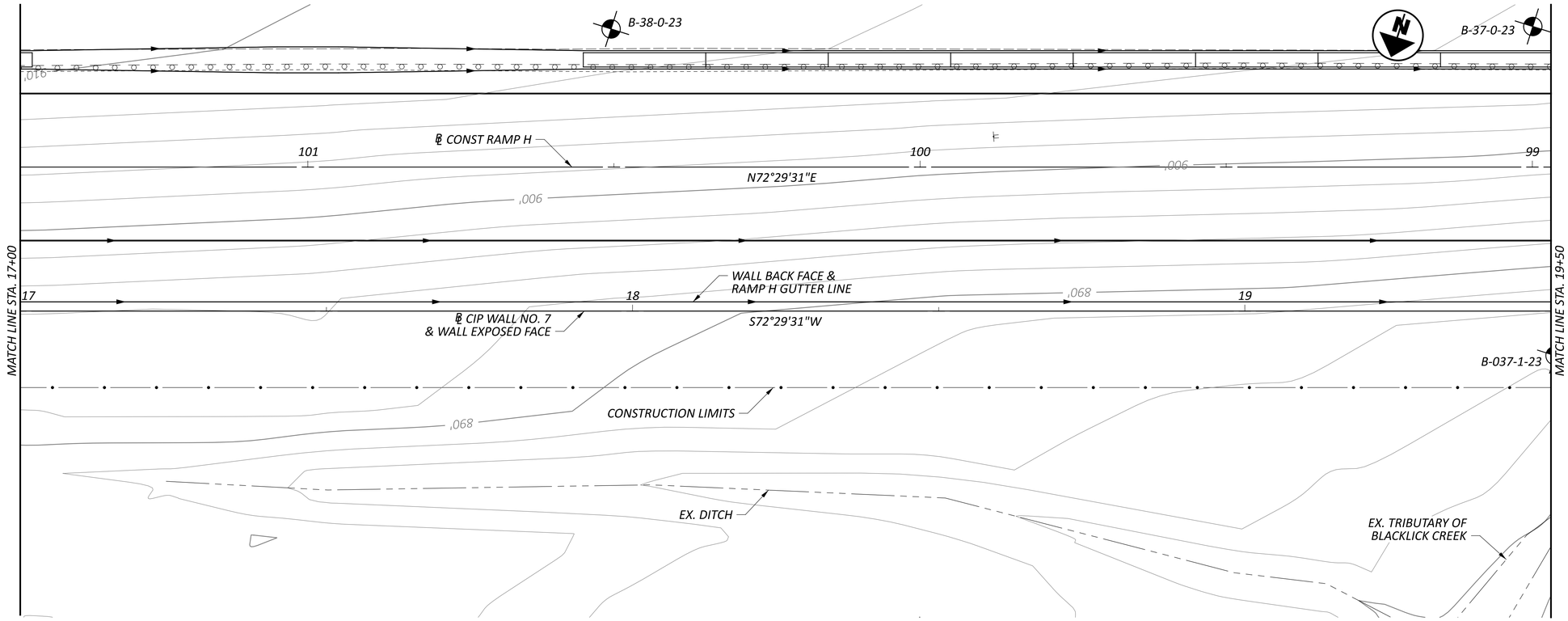

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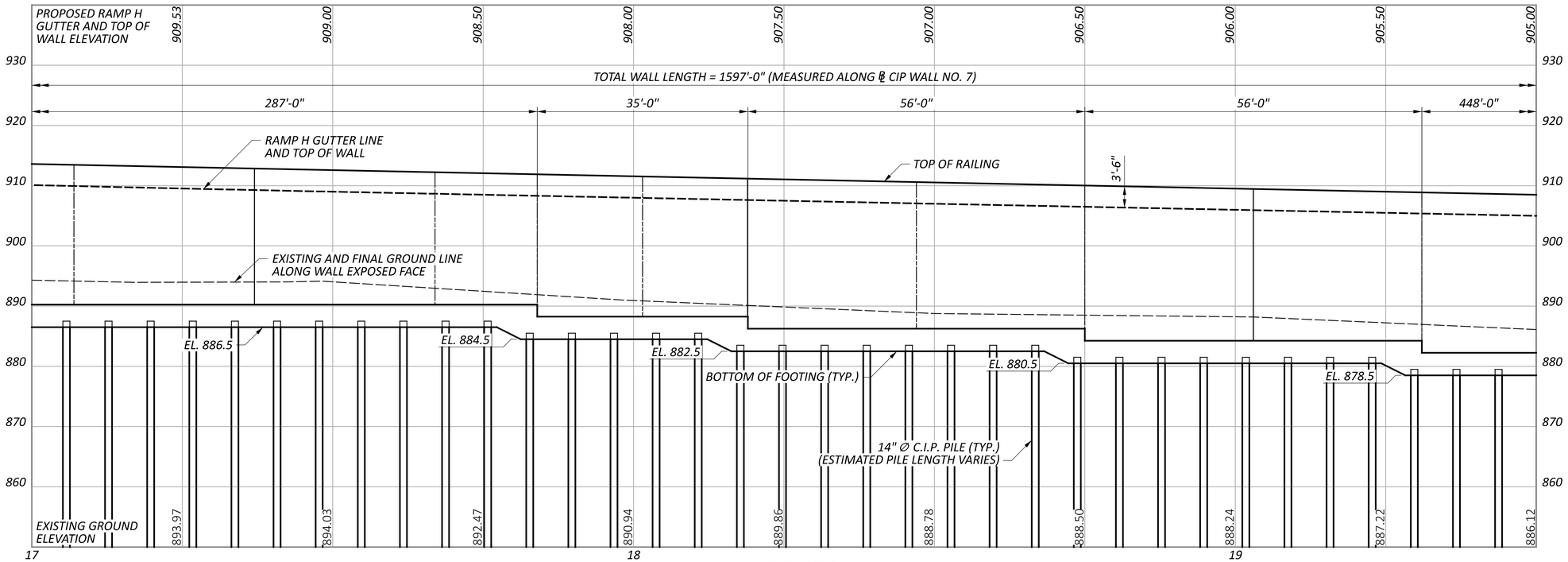

WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 4
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
4	18

SHEET	TOTAL
P.1114	P.1535

FAI/LIC-IR 70-0.00/0.00

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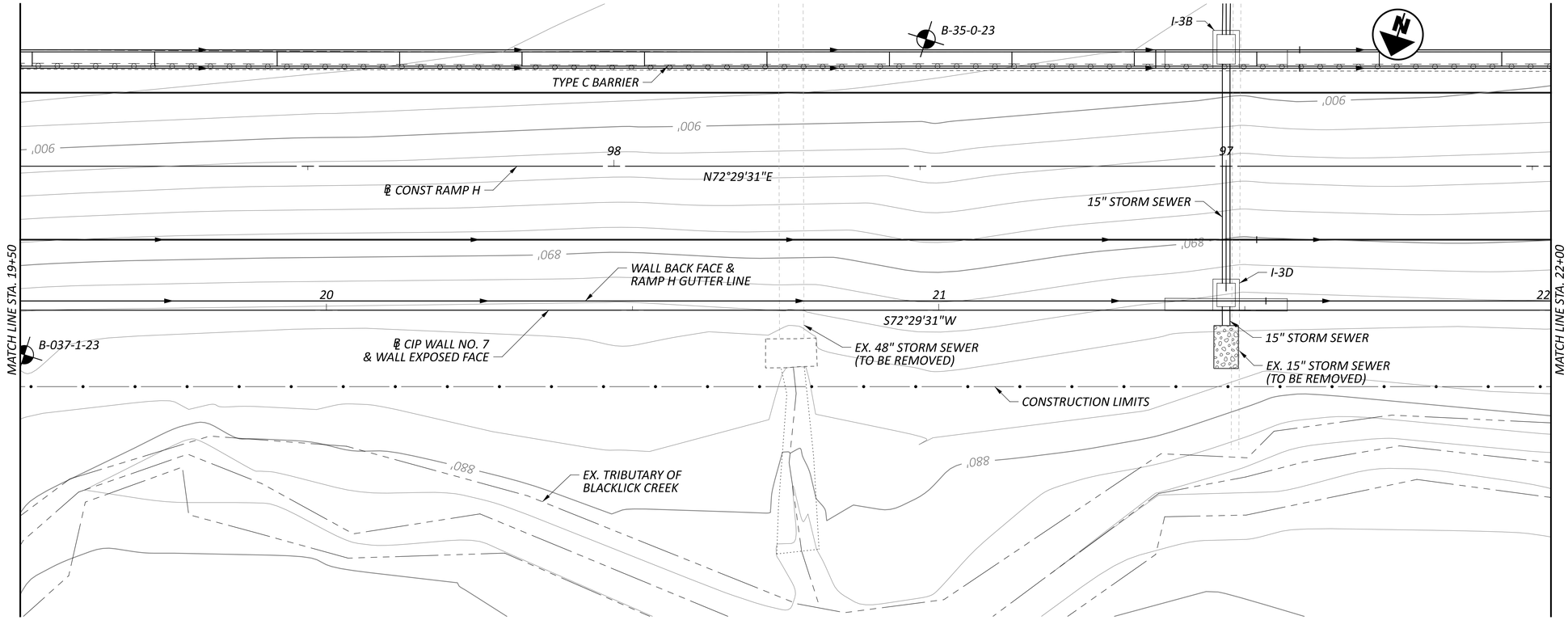

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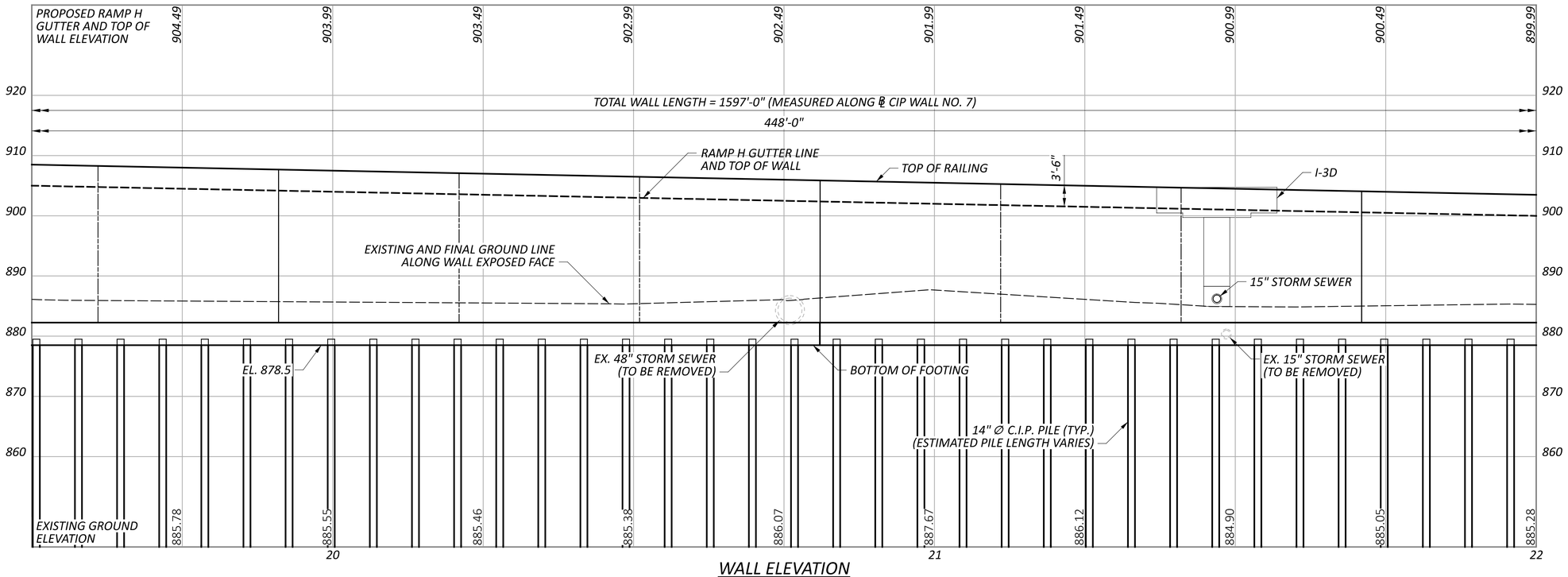

WALL ELEVATION

HORIZONTAL
SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 5
CIP WALL NO. 7
ALONG RAMP H

SFN
N/A

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER
ERK 05-01-25

PROJECT ID
96808

SUBSET	TOTAL
5	18

SHEET	TOTAL
P.1115	P.1535

FAI/LIC-IR 70-0.00/0.00

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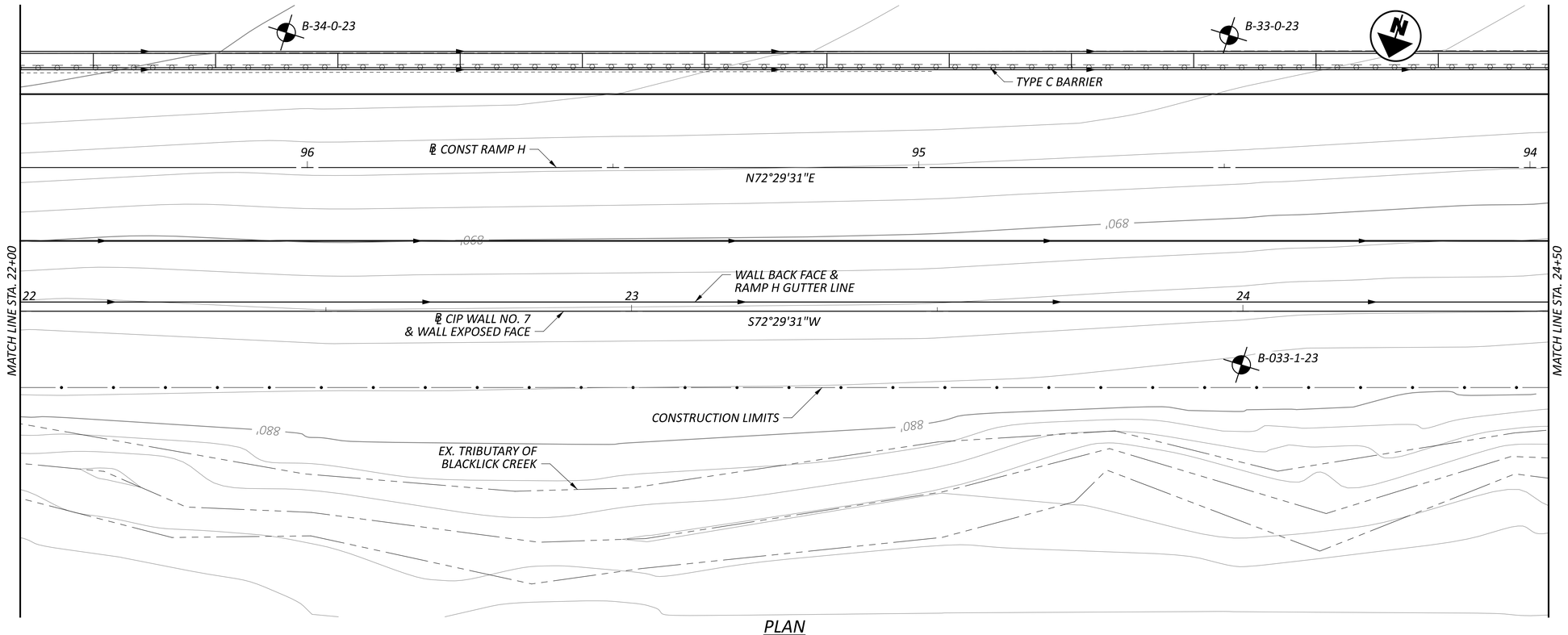
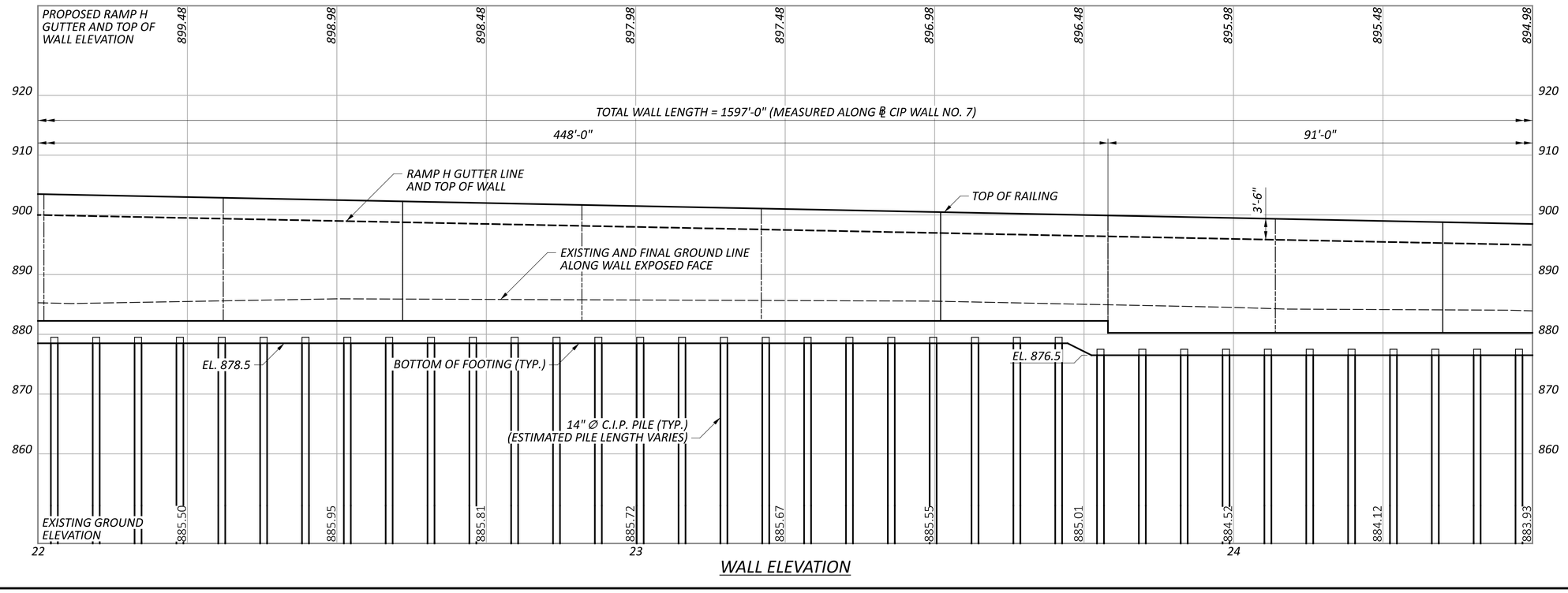


PLAN



WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 6
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
6	18

SHEET	TOTAL
P.1116	P.1535

FAI/LIC-IR 70-0.00/0.00

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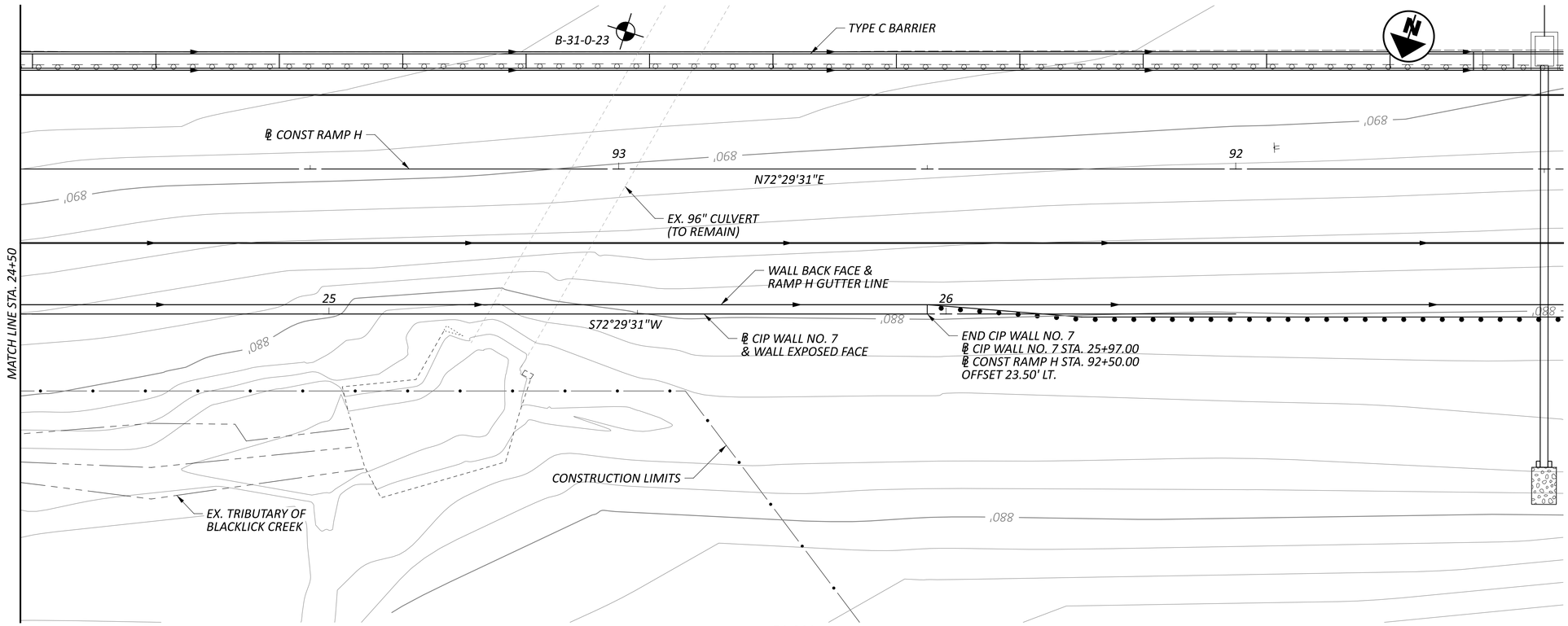

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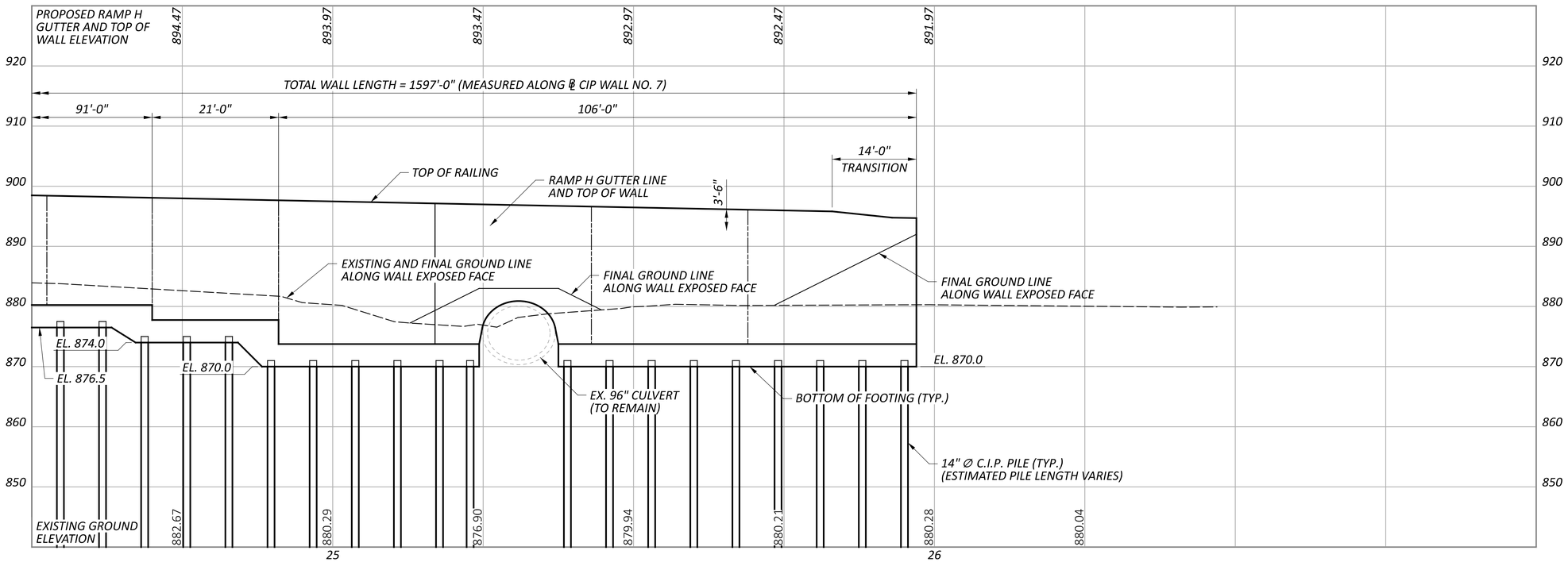

WALL ELEVATION

HORIZONTAL
SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 7
CIP WALL NO. 7
ALONG RAMP H

SFN
N/A

DESIGN AGENCY

COMPASS
INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER
ERK 05-01-25

PROJECT ID
96808

SUBSET	TOTAL
7	18

SHEET	TOTAL
P.1117	P.1535

FAI/LIC-IR 70-0.00/0.00

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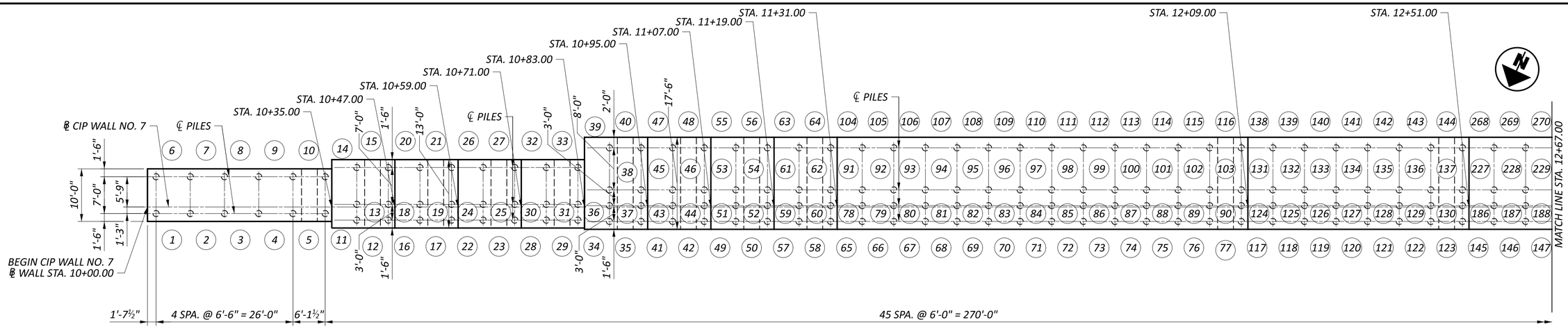
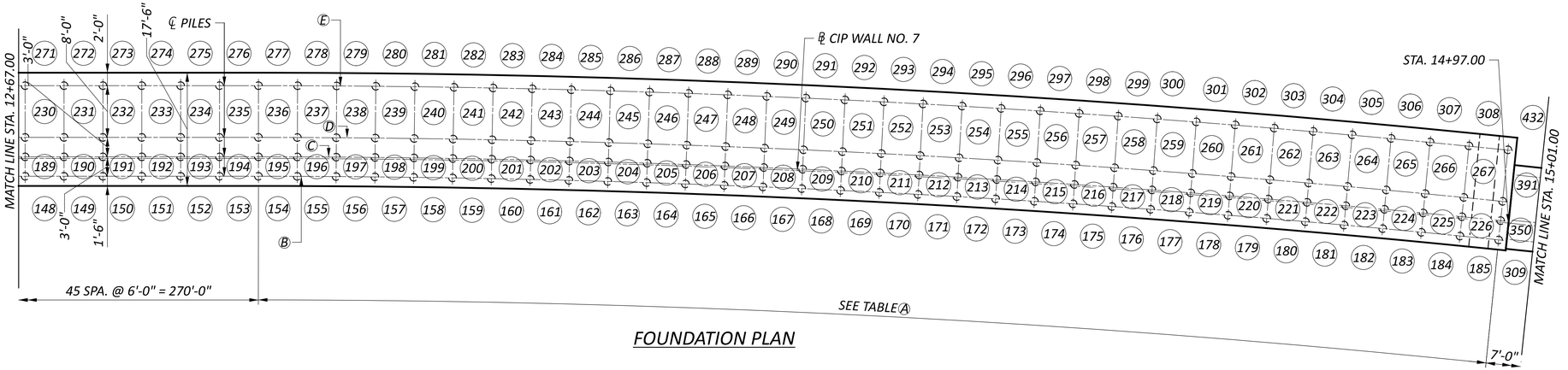


FOUNDATION PLAN



FOUNDATION PLAN

CURVE DATA - ℄ CIP WALL NO.7

P.I. = STA. 14+25.09
Δ = 07°24'50" RT
Dc = 03°02'15"
R = 1,886.36'
T = 122.21'
L = 244.08'
E = 3.95'

LEGEND

(#) PROPOSED PILE NUMBER

TABLE Ⓐ

ROW NUMBER	SPACING ALONG ℄ PILE
Ⓑ	32 SPA. @ 6'-0" MAX. = 191'-9"
Ⓒ	32 SPA. @ 6'-1" MAX. = 192'-1"
Ⓓ	32 SPA. @ 6'-1" MAX. = 192'-4"
Ⓔ	32 SPA. @ 6'-1" MAX. = 193'-2"

PILE SCHEDULE

PILE SIZE	PILE NUMBER	CUTOFF ELEVATION	ORDER LENGTH
14" CIP	1-10	923.50	75
14" CIP	11-15	920.50	80
14" CIP	16-21	917.50	80
14" CIP	22-27	914.50	80
14" CIP	28-33	911.50	80
14" CIP	34-40	908.50	80
14" CIP	41-48	905.50	75
14" CIP	49-56	902.50	75
14" CIP	57-64	899.50	75
14" CIP	65-116	896.50	75
14" CIP	117-144	893.50	75
14" CIP	145-308	890.50	75
14" CIP	309-432	888.50	75
14" CIP	433-447	886.50	70
14" CIP	448-471	884.50	70
14" CIP	472-495	882.50	70
14" CIP	496-645	880.50	70
14" CIP	646-671	878.50	85
14" CIP	672-677	876.00	85
14" CIP	678-707	872.00	85

FOUNDATION PLAN - 1
CIP WALL NO. 7
ALONG RAMP H

SFN N/A
DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP
DESIGNER BEH | CHECKER CCJ
REVIEWER ERK 05-01-25
PROJECT ID 96808
SUBSET 8 | TOTAL 18
SHEET P.1118 | TOTAL P.1535

FAI/LIC-IR 70-0.00/0.00

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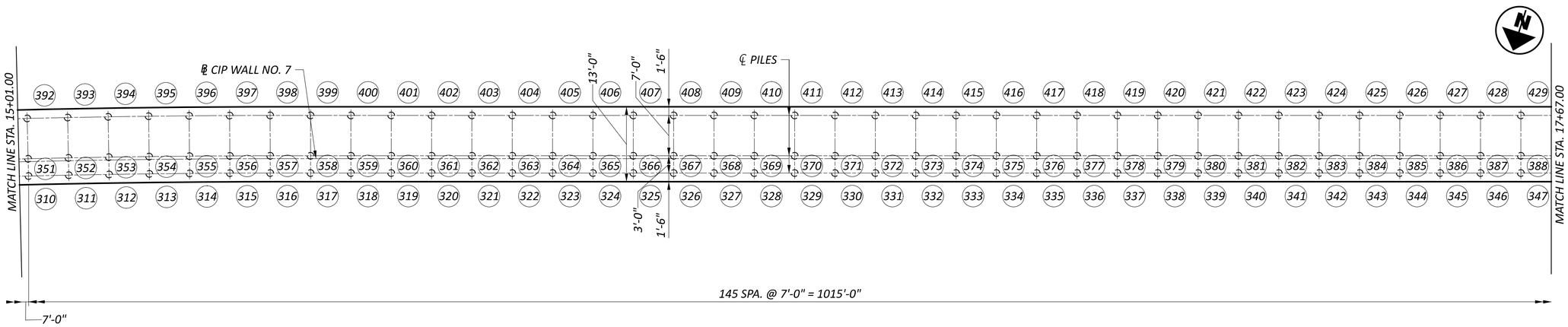
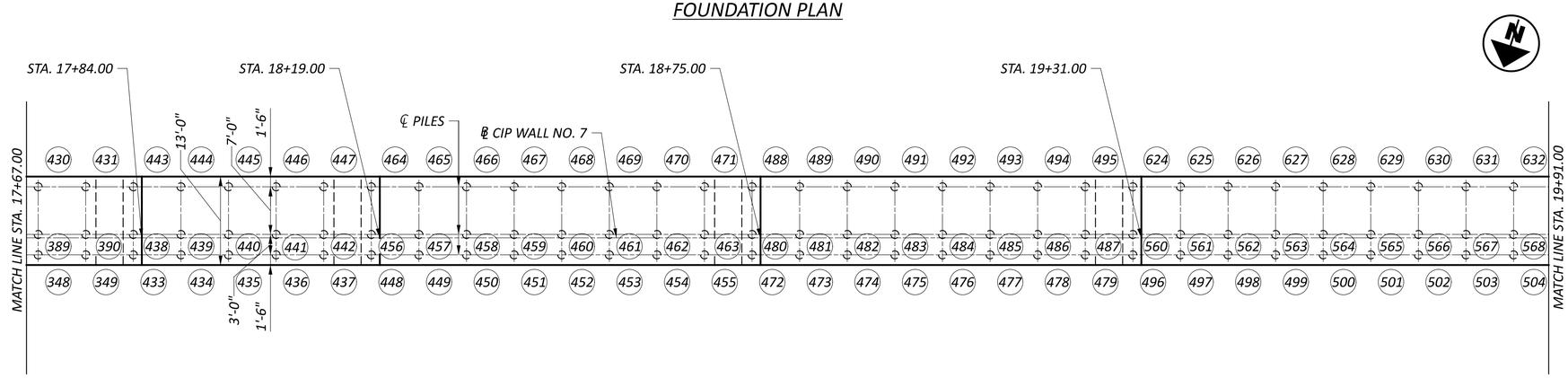


FOUNDATION PLAN



FOUNDATION PLAN

CURVE DATA - ℄ CIP WALL NO.7

P.I. = STA. 14+25.09
Δ = 07°24'50" RT
Dc = 03°02'15"
R = 1,886.36'
T = 122.21'
L = 244.08'
E = 3.95'

PILE SCHEDULE

PILE SIZE	PILE NUMBER	CUTOFF ELEVATION	ORDER LENGTH
14" CIP	1-10	923.50	75
14" CIP	11-15	920.50	80
14" CIP	16-21	917.50	80
14" CIP	22-27	914.50	80
14" CIP	28-33	911.50	80
14" CIP	34-40	908.50	80
14" CIP	41-48	905.50	75
14" CIP	49-56	902.50	75
14" CIP	57-64	899.50	75
14" CIP	65-116	896.50	75
14" CIP	117-144	893.50	75
14" CIP	145-308	890.50	75
14" CIP	309-432	888.50	75
14" CIP	433-447	886.50	70
14" CIP	448-471	884.50	70
14" CIP	472-495	882.50	70
14" CIP	496-645	880.50	70
14" CIP	646-671	878.50	85
14" CIP	672-677	876.00	85
14" CIP	678-707	872.00	85

LEGEND

(#) PROPOSED PILE NUMBER

FOUNDATION PLAN - 2
CIP WALL NO. 7
ALONG RAMP H

SFN
N/A

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER
ERK 05-01-25

PROJECT ID
96808

SUBSET	TOTAL
9	18

SHEET	TOTAL
P.1119	P.1535

FAI/LIC-IR 70-0.00/0.00

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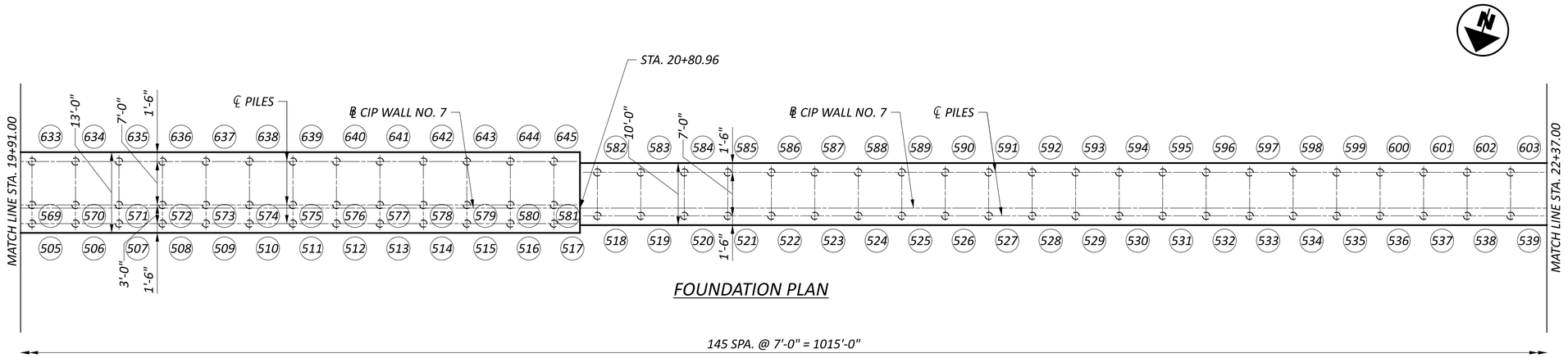
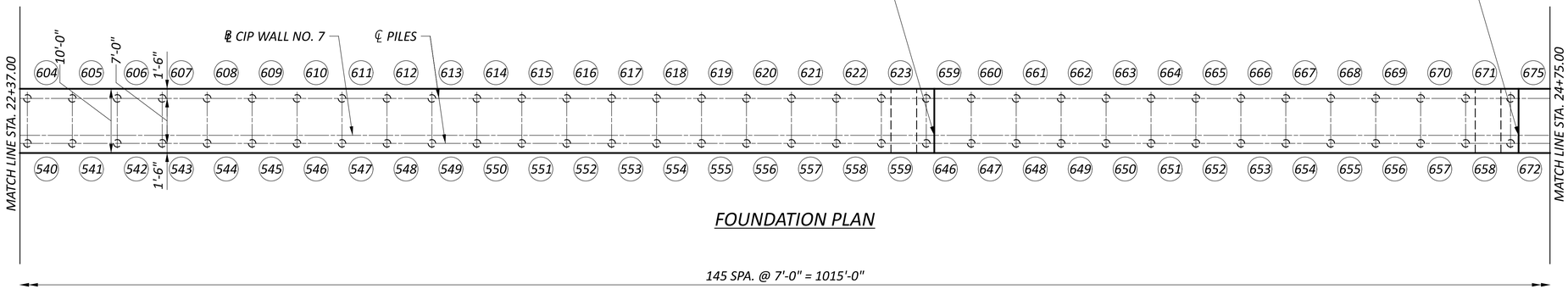


FOUNDATION PLAN



FOUNDATION PLAN

PILE SCHEDULE

PILE SIZE	PILE NUMBER	CUTOFF ELEVATION	ORDER LENGTH
14" CIP	1-10	923.50	75
14" CIP	11-15	920.50	80
14" CIP	16-21	917.50	80
14" CIP	22-27	914.50	80
14" CIP	28-33	911.50	80
14" CIP	34-40	908.50	80
14" CIP	41-48	905.50	75
14" CIP	49-56	902.50	75
14" CIP	57-64	899.50	75
14" CIP	65-116	896.50	75
14" CIP	117-144	893.50	75
14" CIP	145-308	890.50	75
14" CIP	309-432	888.50	75
14" CIP	433-447	886.50	70
14" CIP	448-471	884.50	70
14" CIP	472-495	882.50	70
14" CIP	496-645	880.50	70
14" CIP	646-671	878.50	85
14" CIP	672-677	876.00	85
14" CIP	678-707	872.00	85

LEGEND

(#) PROPOSED PILE NUMBER

FOUNDATION PLAN - 3
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
10	18

SHEET	TOTAL
P.1120	P.1535

FAI/LIC-IR 70-0.00/0.00

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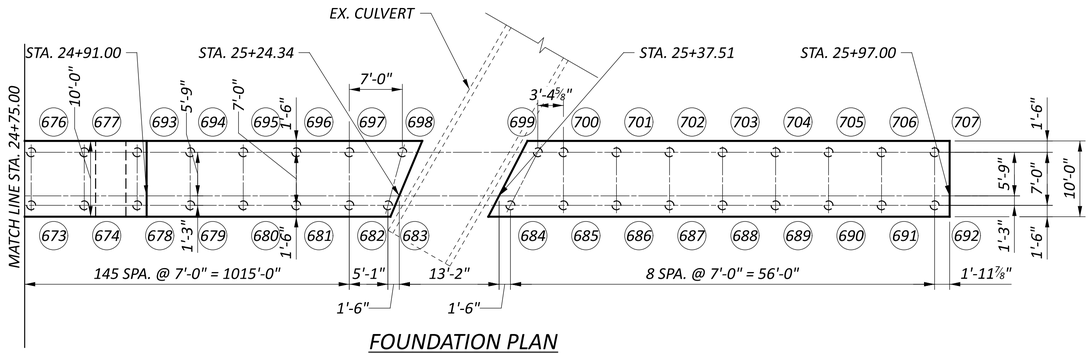

FOUNDATION PLAN

NOTES

RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION AND TO NOT DISTURB EXISITNG CULVERT.

LEGEND

(#) PROPOSED PILE NUMBER

PILE SCHEDULE

PILE SIZE	PILE NUMBER	CUTOFF ELEVATION	ORDER LENGTH
14" CIP	1-10	923.50	75
14" CIP	11-15	920.50	80
14" CIP	16-21	917.50	80
14" CIP	22-27	914.50	80
14" CIP	28-33	911.50	80
14" CIP	34-40	908.50	80
14" CIP	41-48	905.50	75
14" CIP	49-56	902.50	75
14" CIP	57-64	899.50	75
14" CIP	65-116	896.50	75
14" CIP	117-144	893.50	75
14" CIP	145-308	890.50	75
14" CIP	309-432	888.50	75
14" CIP	433-447	886.50	70
14" CIP	448-471	884.50	70
14" CIP	472-495	882.50	70
14" CIP	496-645	880.50	70
14" CIP	646-671	878.50	85
14" CIP	672-677	876.00	85
14" CIP	678-707	872.00	85

FOUNDATION PLAN - 4
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
11	18

SHEET	TOTAL
P.1121	P.1535

FAI/LIC-IR 70-0.00/0.00

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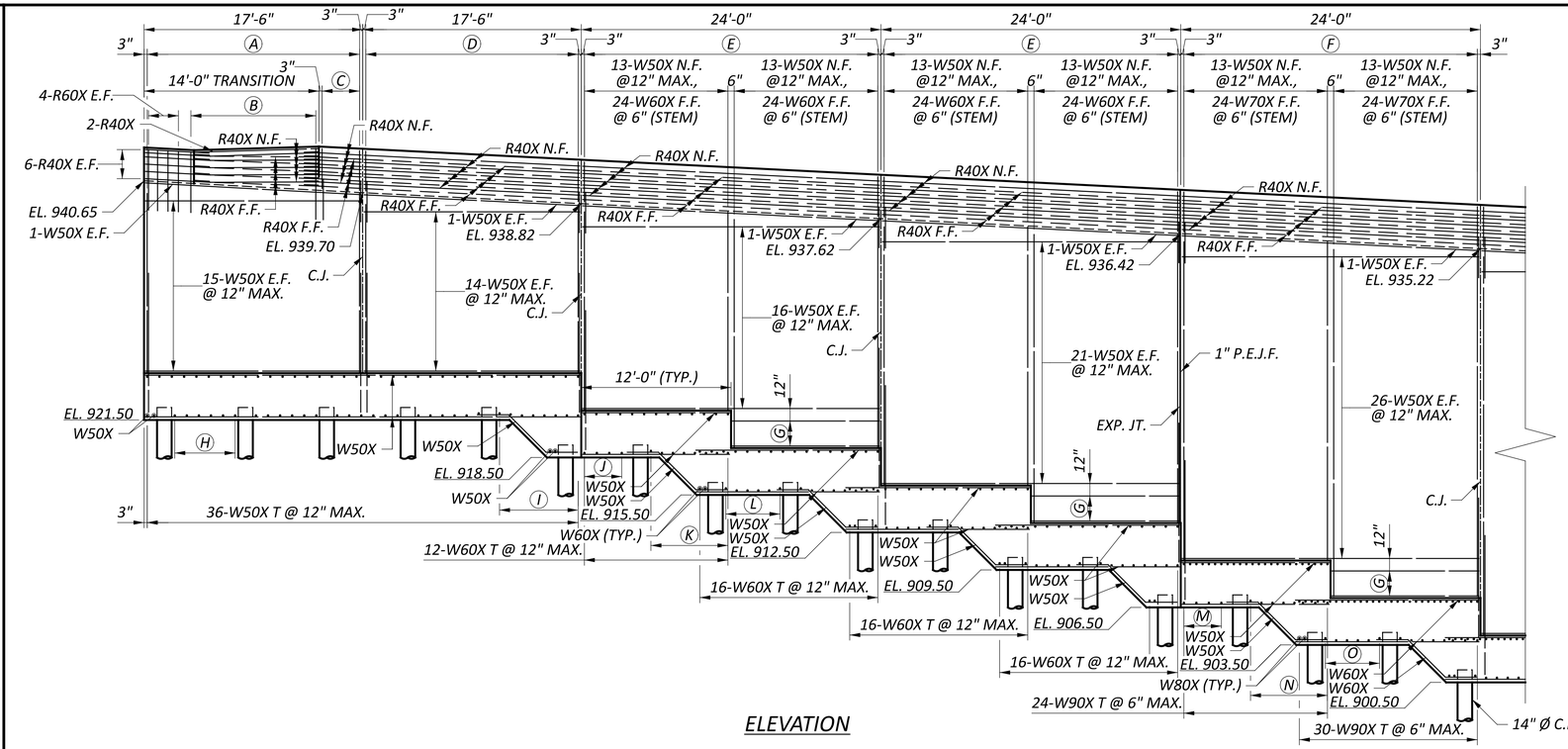

ELEVATION

ELEVATION

LEGEND

- (A) 18-W50X N.F., W80X F.F. @ 12" (STEM) 18-W80X F.F. @ 12" (FOOTING)
- (B) 1-SER. OF 11-W50X E.F. @ 12" MAX.
- (C) 4-R50X, R60X N.F. & R60X F.F. @ 12" MAX. (RAILING)
- (D) 18-R50X, R60X N.F.& R60X F.F. @ 12" (RAILING) 18-W50X N.F., W80X F.F. @ 12" (STEM) 18-W80X F.F. @ 12" (FOOTING)
- (E) 25-R50X, R60X N.F. & R60X F.F. @ 12" MAX. (RAILING) 48-W100X F.F. @ 6" (FOOTING)
- (F) 25-R50X, R60X N.F. & R60X F.F @ 12" MAX. (RAILING) 48-W100X F.F. @ 6" (FOOTING)
- (G) 3-W50X E.F. @ 12"
- (H) 6-W50X B @ 12" MAX. BETWEEN PILES (TYP.)
- (I) 8-W50X B @ 12" MAX. (TYP.)
- (J) 4-W60X B @ 12" MAX. BETWEEN PILES
- (K) 8-W60X B @ 12" MAX. (TYP.)
- (L) 6-W60X B @ 12" MAX. BETWEEN PILES (TYP.)
- (M) 4-W80X B @ 12" MAX. BETWEEN PILES
- (N) 8-W80X B @ 12" MAX. (TYP.)
- (O) 6-W80X B @ 12" MAX. BETWEEN PILES (TYP.)
- (P) 27-R50X, R60X N.F. & R60X F.F @ 12" MAX. (RAILING) 52-W100X F.F. @ 6" (FOOTING)
- (Q) 22-R50X, R60X N.F. & R60X F.F @ 12" MAX. (RAILING) 42-W100X F.F. @ 6" (FOOTING)

WALL ELEVATION - 1
CIP WALL NO. 7
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 9:12:24 PM USER: brieder
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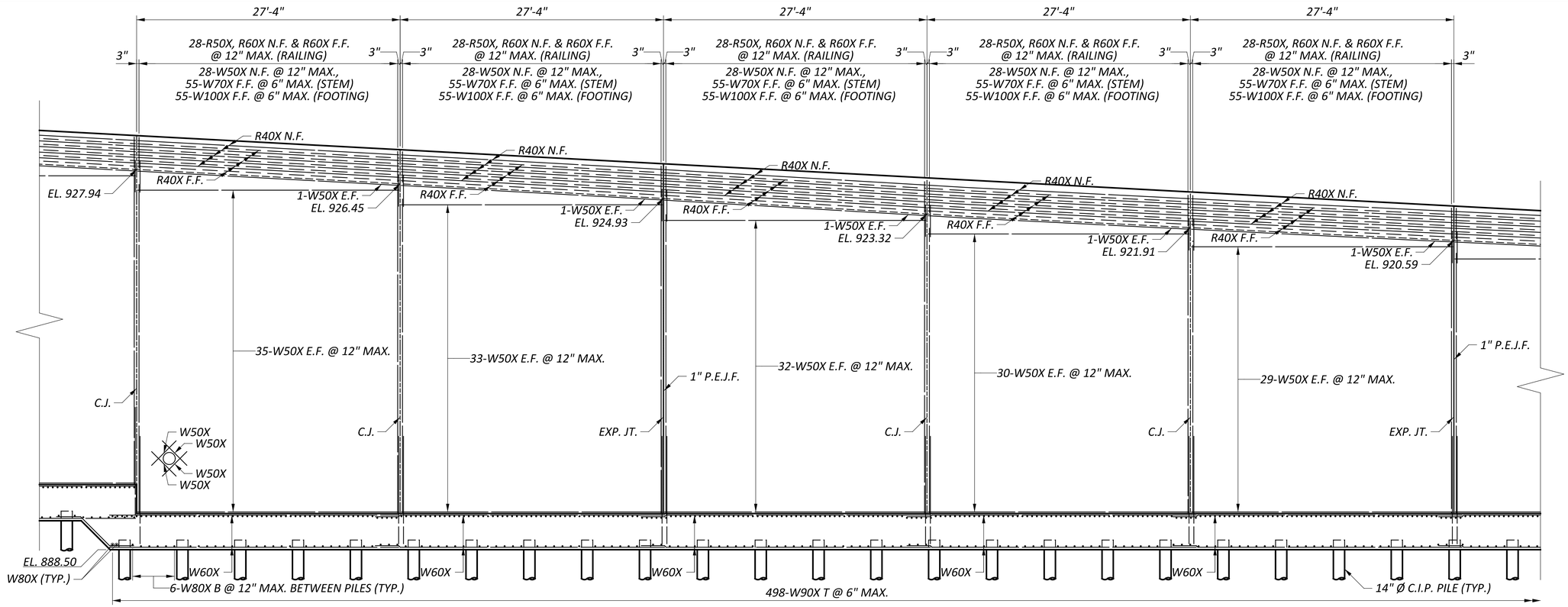
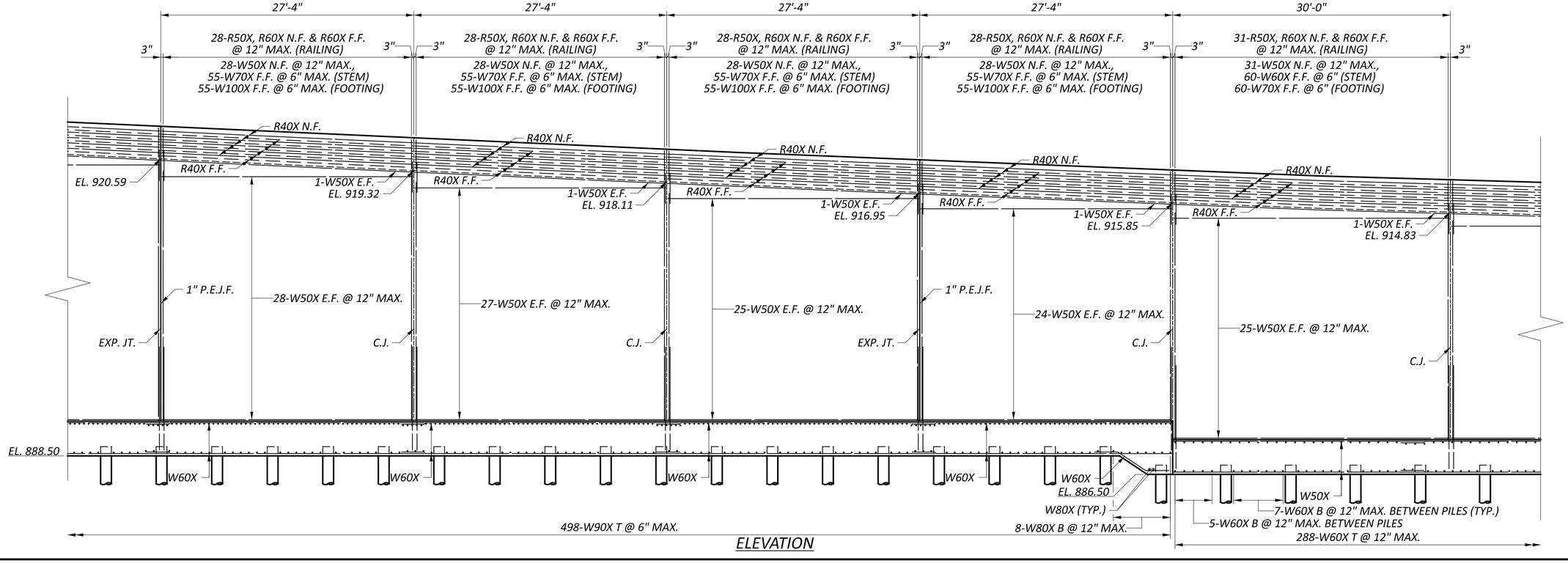
SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	BEH
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	12
TOTAL	18
SHEET	P.1122
TOTAL	P.1535



ELEVATION



ELEVATION

WALL ELEVATION - 2
CIP WALL NO. 7
ALONG RAMP H

SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	BEH
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	13
TOTAL	18
SHEET	P.1123
TOTAL	P.1535

FAI/LIC-IR 70-0.00/0.00

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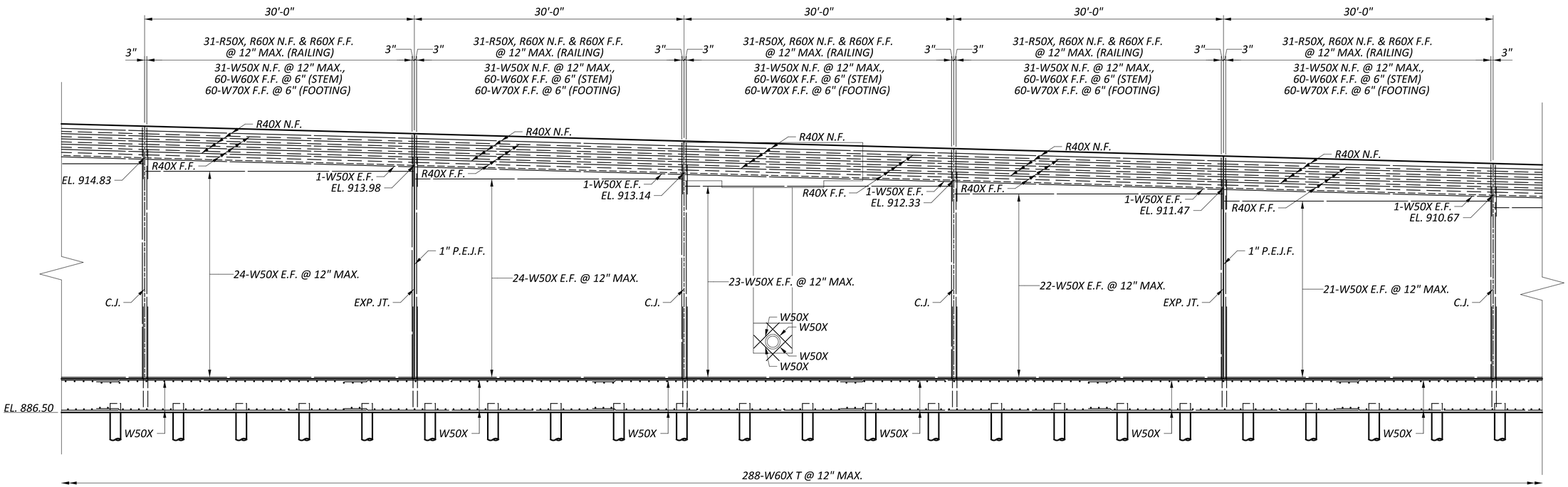
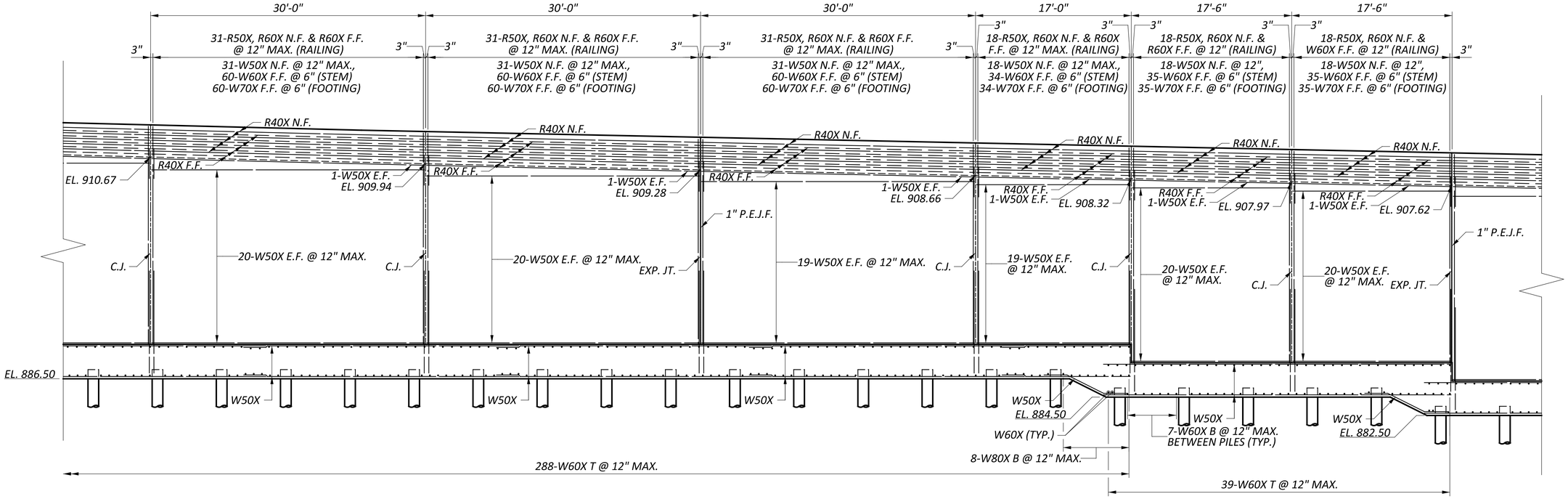


ELEVATION



ELEVATION

WALL ELEVATION - 3
CIP WALL NO. 7
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

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SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

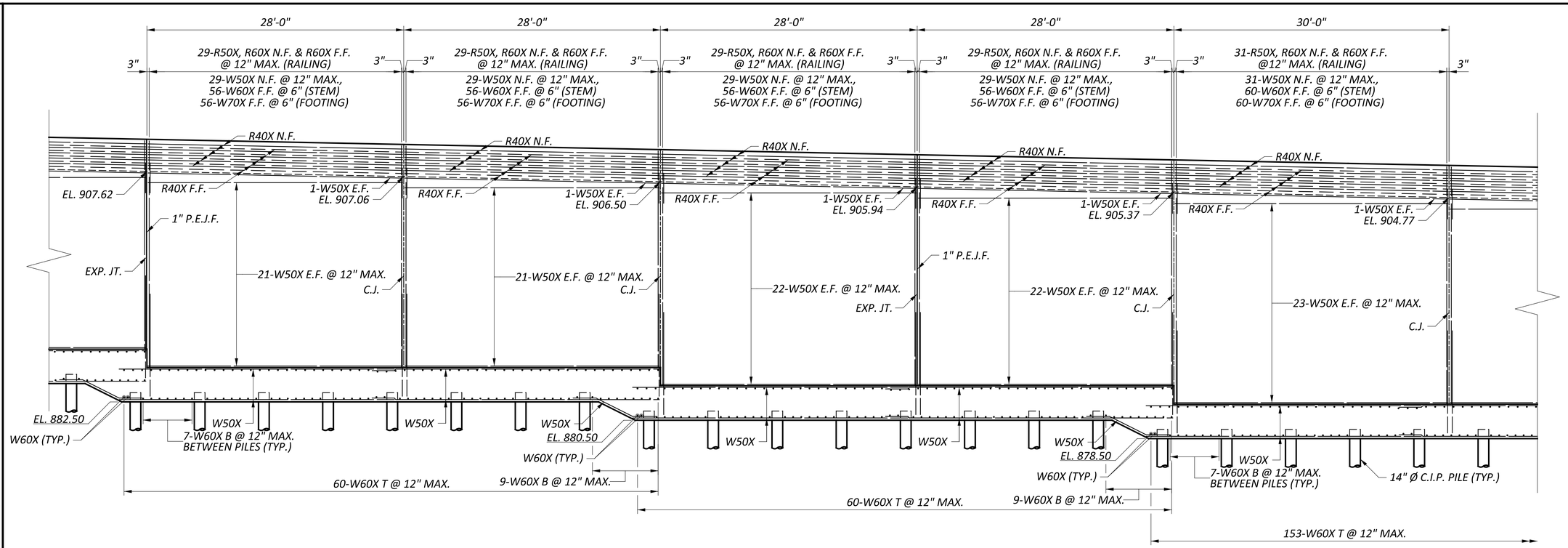
DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

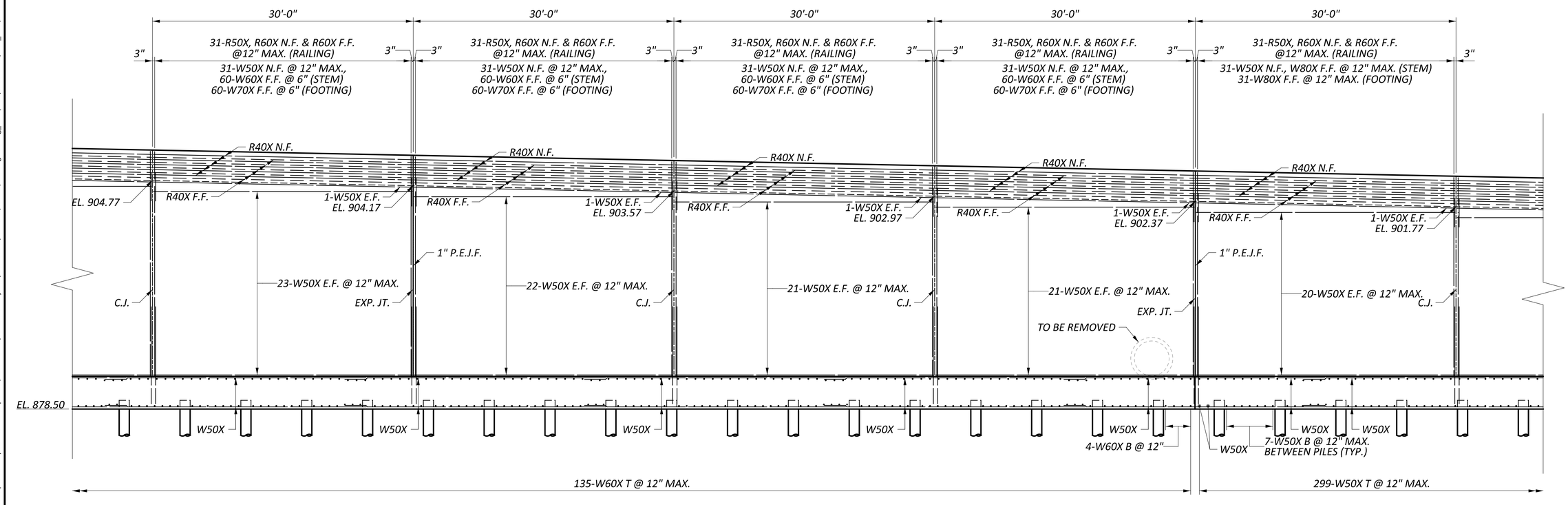
PROJECT ID 96808

SUBSET	TOTAL
14	18

SHEET	TOTAL
P.1124	P.1535



ELEVATION



ELEVATION

WALL ELEVATION - 4
CIP WALL NO. 7
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

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SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

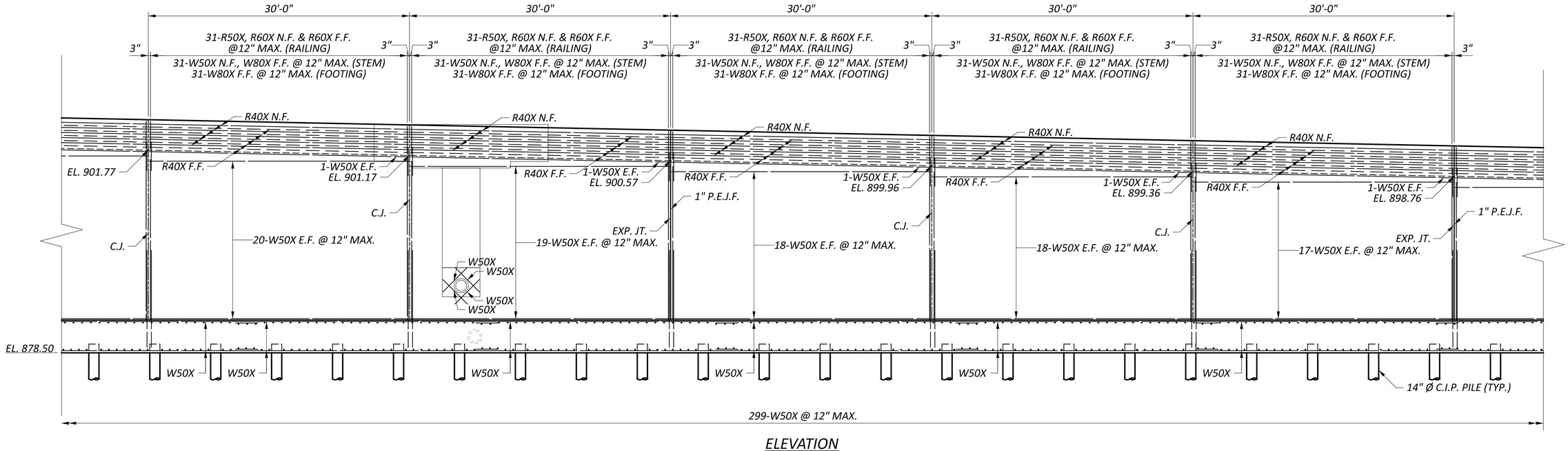
DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

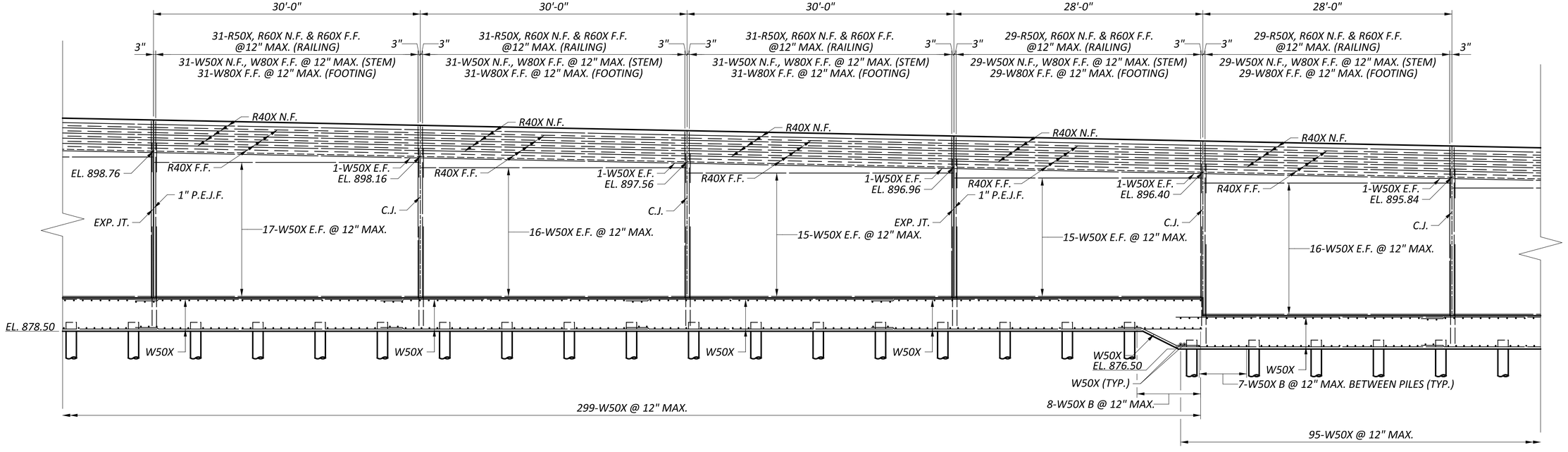
PROJECT ID 96808

SUBSET	TOTAL
15	18

SHEET	TOTAL
P.1125	P.1535



ELEVATION



ELEVATION

WALL ELEVATION - 5
CIP WALL NO. 7
ALONG RAMP H

SFN
N/A

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER
ERK 05-01-25

PROJECT ID
96808

SUBSET	TOTAL
16	18

SHEET	TOTAL
P.1126	P.1535

FAI/LIC-IR 70-0.00/0.00

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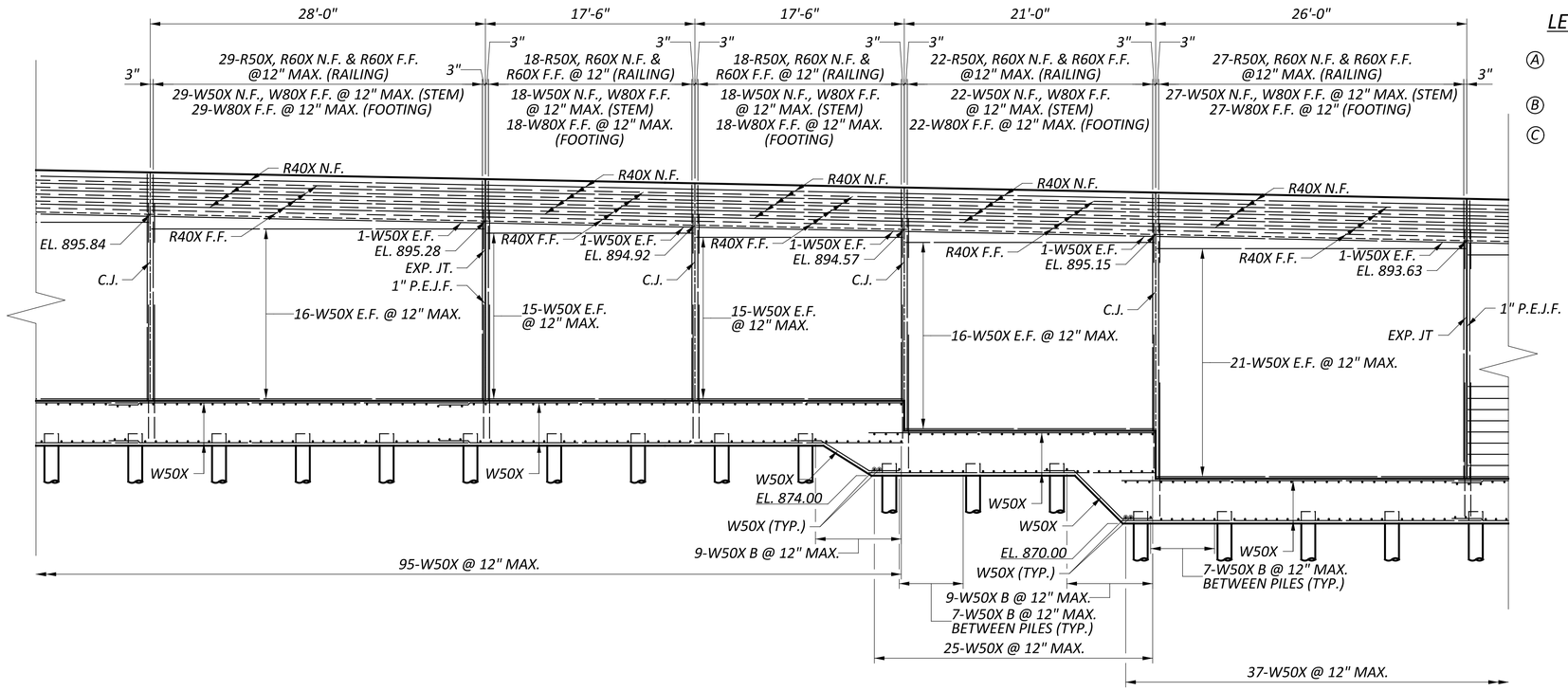
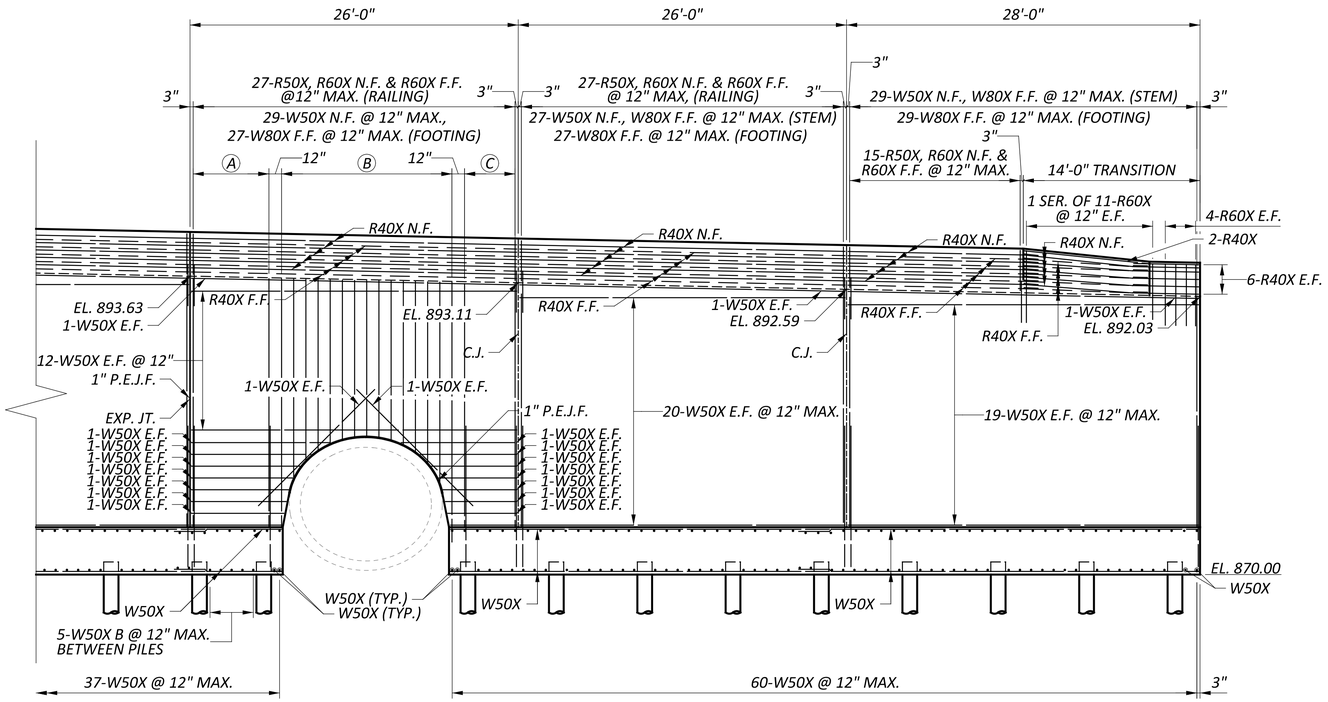


ELEVATION

LEGEND

- (A) 7-W50X N.F., W80X F.F. @ 12" MAX. (STEM)
  7-W80X F.F. @ 12" MAX. (FOOTING)
- (B) 1-W50X N.F., W80X F.F. THRU 1-W50X N.F., W80X F.F. (STEM)
- (C) 4-W50X N.F., W80X F.F. @ 12" MAX. (STEM)
  4-W80X F.F. @ 12" MAX. (FOOTING)



ELEVATION

NOTES:

CONTRACTOR SHALL VERIFY LOCATION OF THE EXISTING PIPE. REINFORCING STEEL IN VICINITY OF PIPE MAY BE ADJUSTED AS NECESSARY TO AVOID CONFLICTS AND/OR MEET MINIMUM COVER REQUIREMENTS.

WALL ELEVATION - 6
CIP WALL NO. 7
ALONG RAMP H

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
17	18

SHEET	TOTAL
P.1127	P.1535

FAI/LIC-IR 70-0.00/0.00

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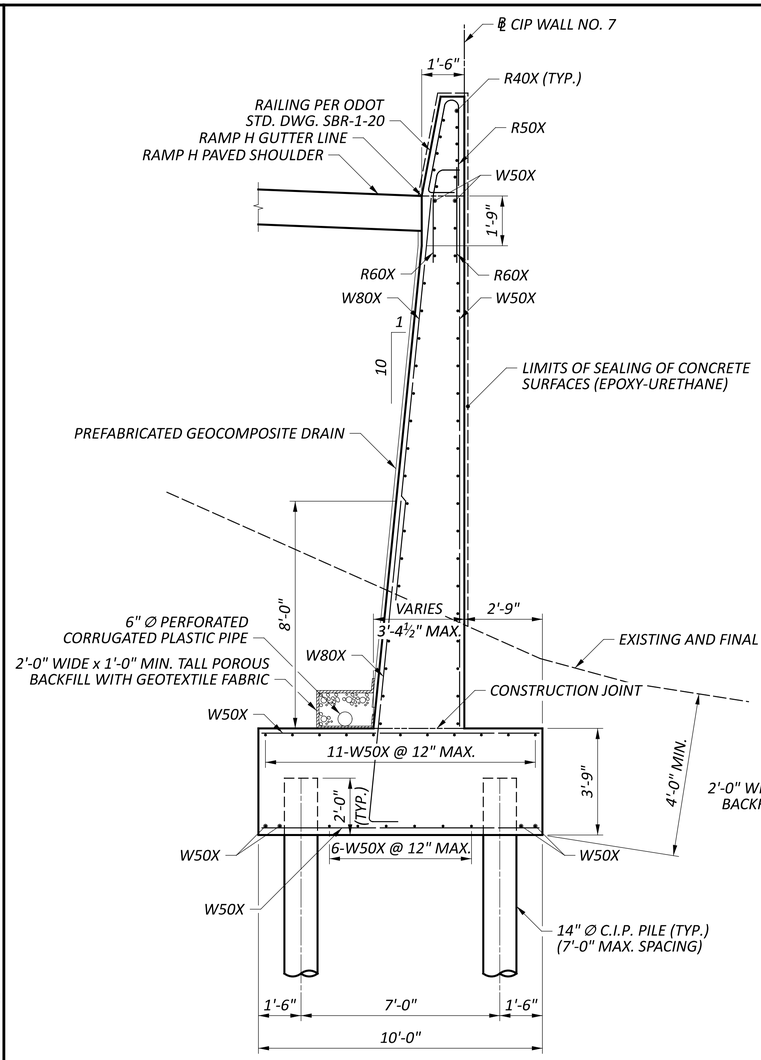
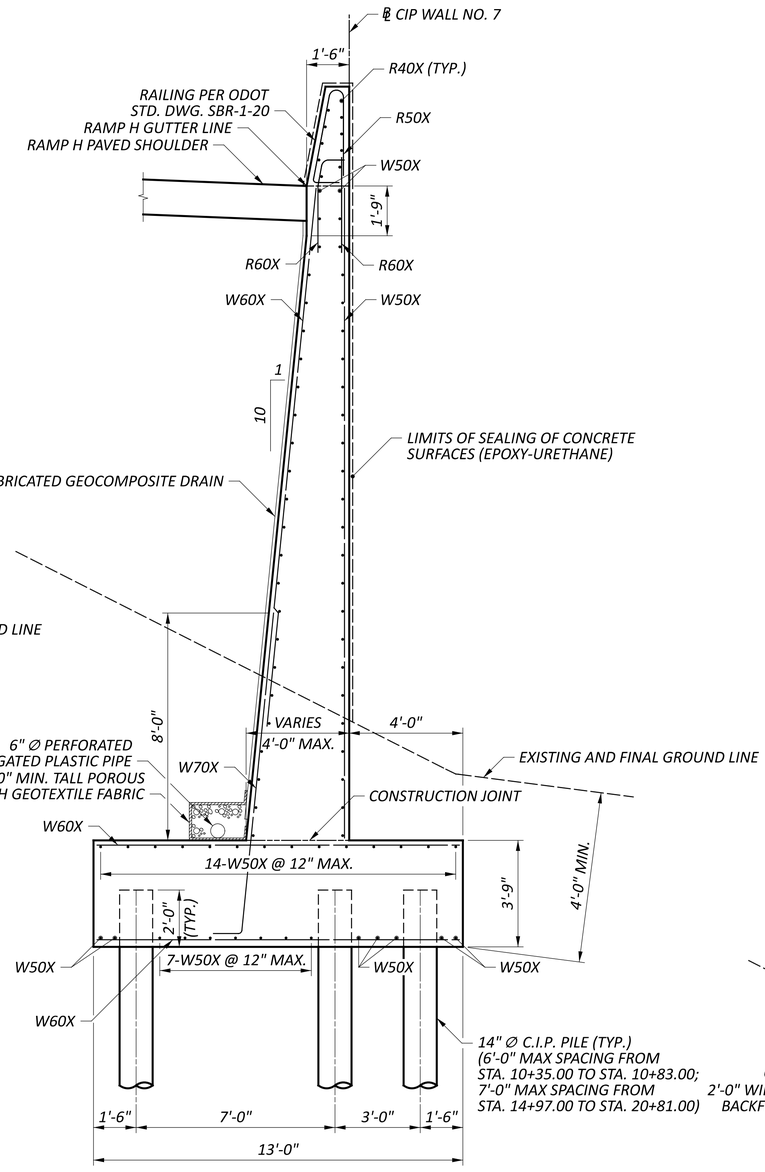


TYPICAL WALL SECTION

STA. 10+00.00 TO STA. 10+35.00
STA. 20+81.00 TO STA. 25+97.00

FOOTING STEP DETAIL

FOOTING STEP DETAIL

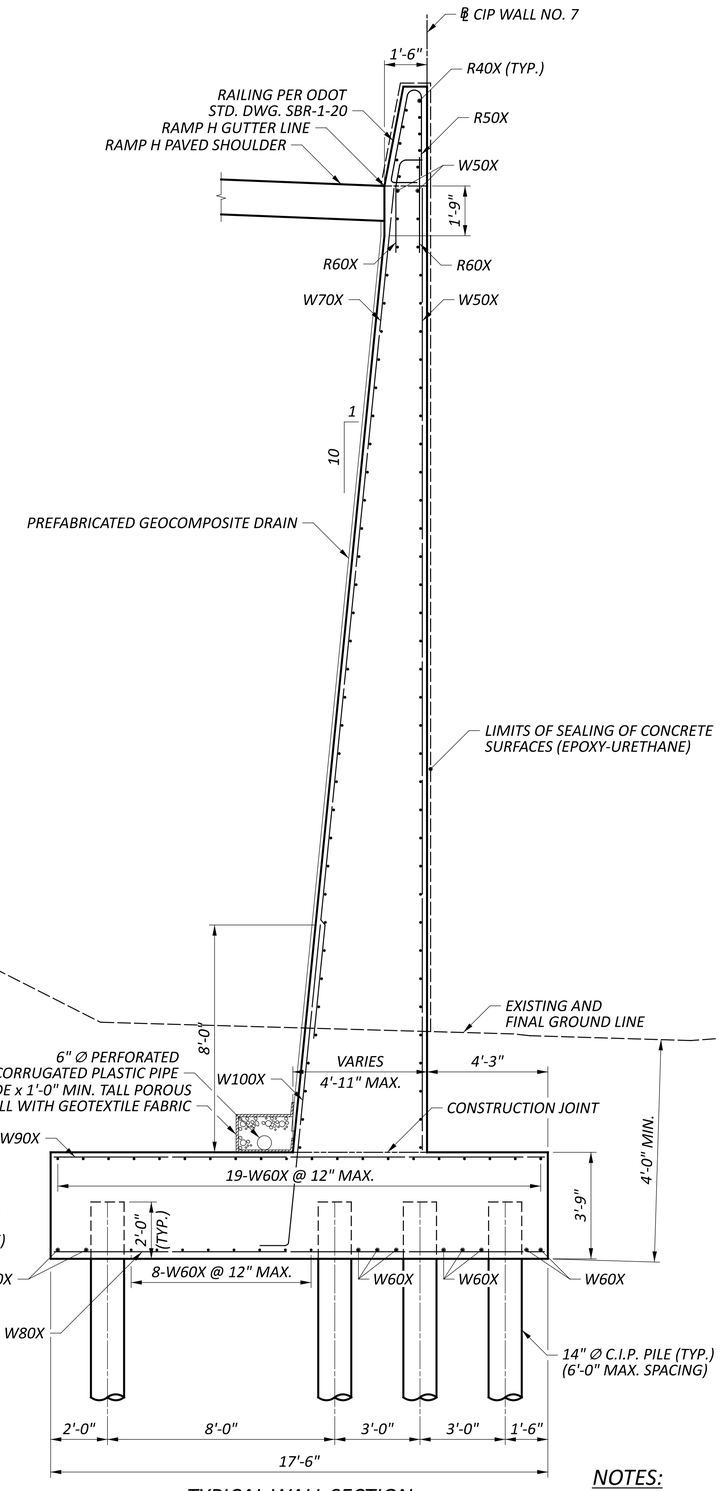


TYPICAL WALL SECTION

STA. 10+35.00 TO STA. 10+83.00
STA. 14+97.00 TO STA. 20+81.00

EXPANSION JOINT DETAILS

CONTRACTION JOINT DETAILS



TYPICAL WALL SECTION

STA. 10+83.00 TO STA. 14+97.00

NOTES:

1. LAP LENGTHS:
   #6 = 3'-7"
   #7 = 4'-2"
   #8 = 4'-9"

WALL DETAILS
CIP WALL NO. 7
ALONG RAMP H

SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	ZTW
CHECKER	CCJ
REVIEWER	ERK 05-1-25
PROJECT ID	96808
SUBSET	18
TOTAL	18
SHEET	P.1128
TOTAL	P.1535

FAI/LIC-IR 70-0.00/0.00

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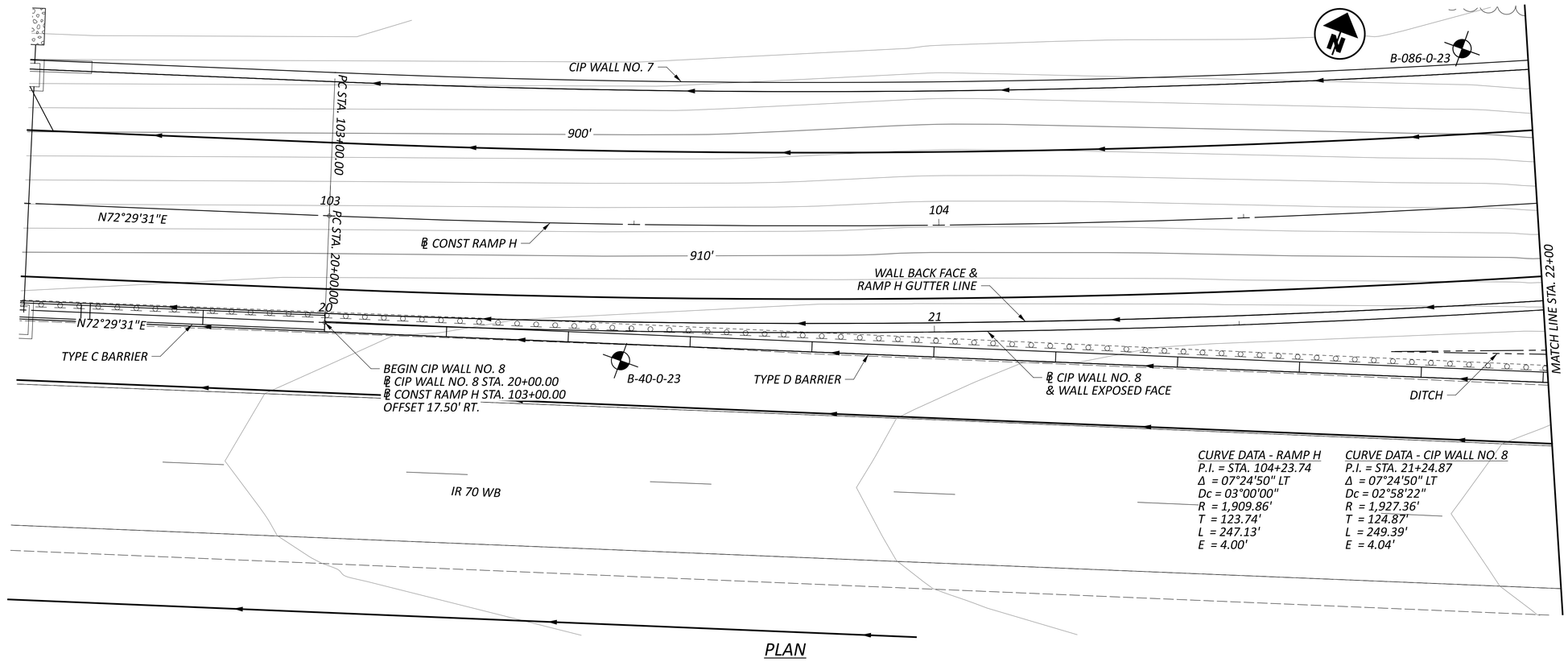
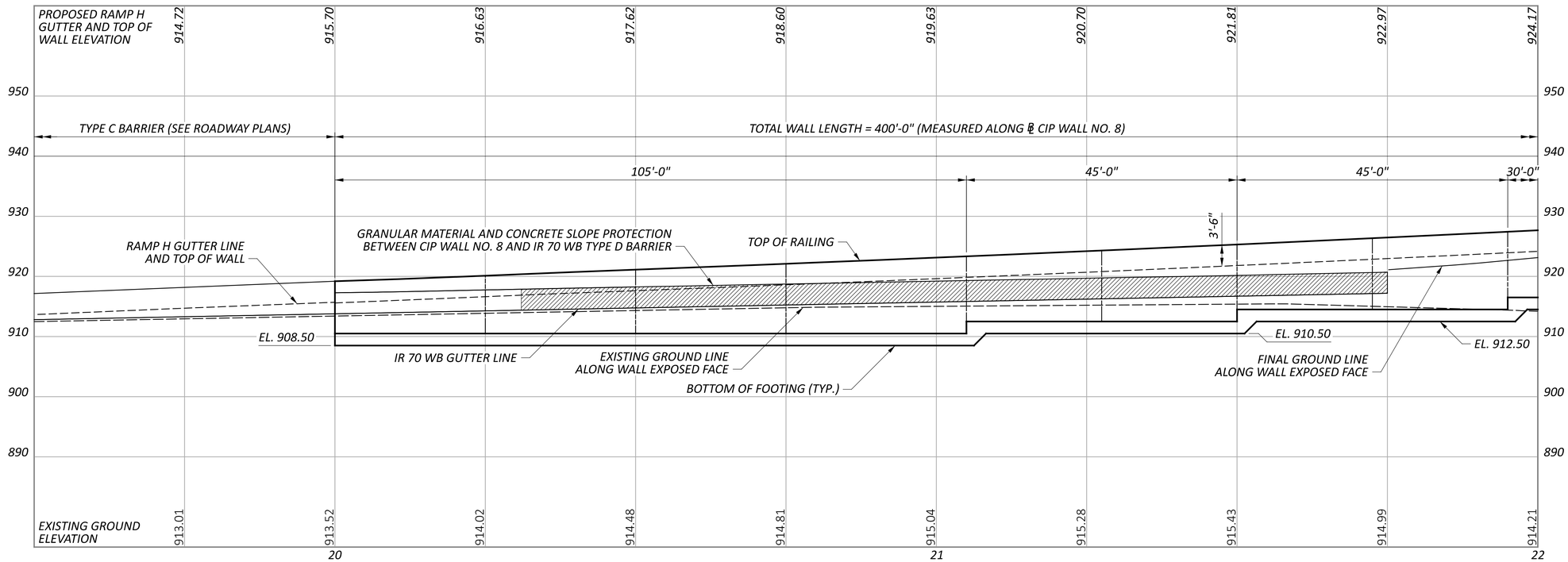


PLAN



WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 1
CIP WALL NO. 8
ALONG RAMP H

SFN
N/A

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER
ERK 05-01-25

PROJECT ID
96808

SUBSET	TOTAL
1	5

SHEET	TOTAL
P.1129	P.1535

FAI/LIC-IR 70-0.00/0.00

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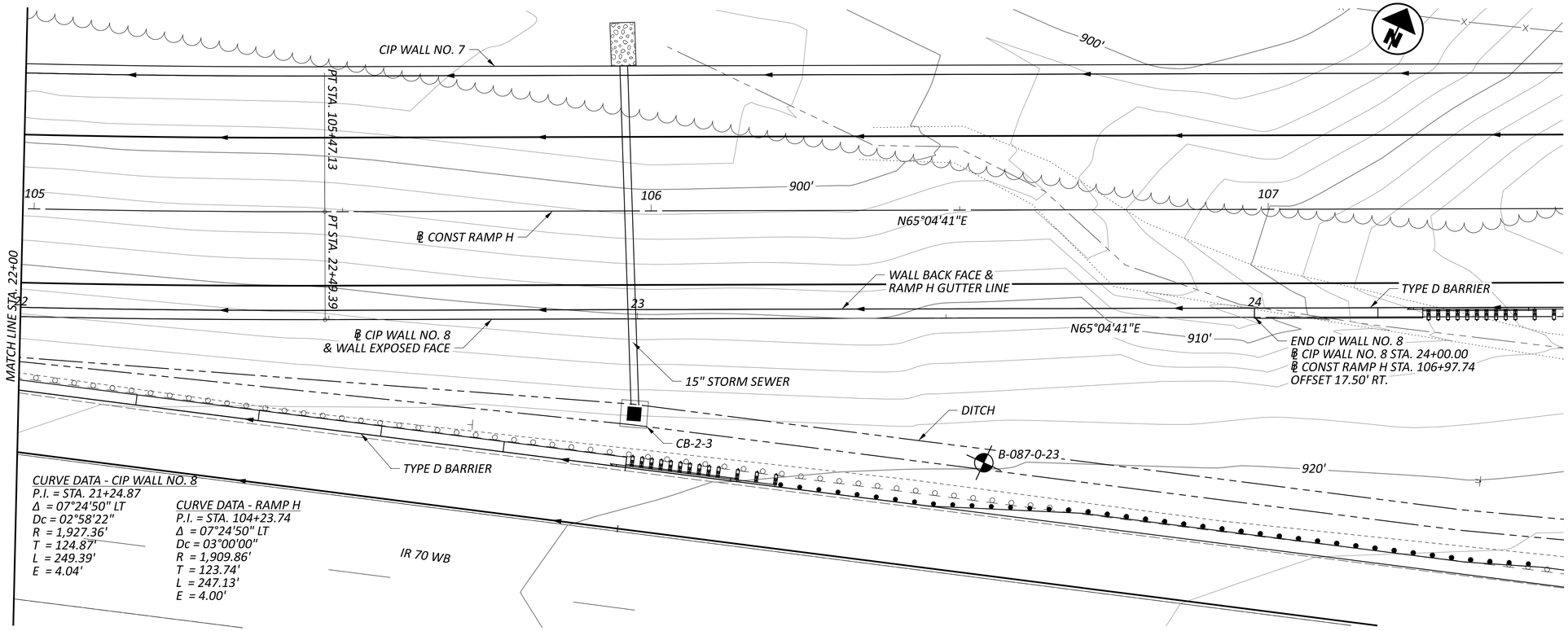
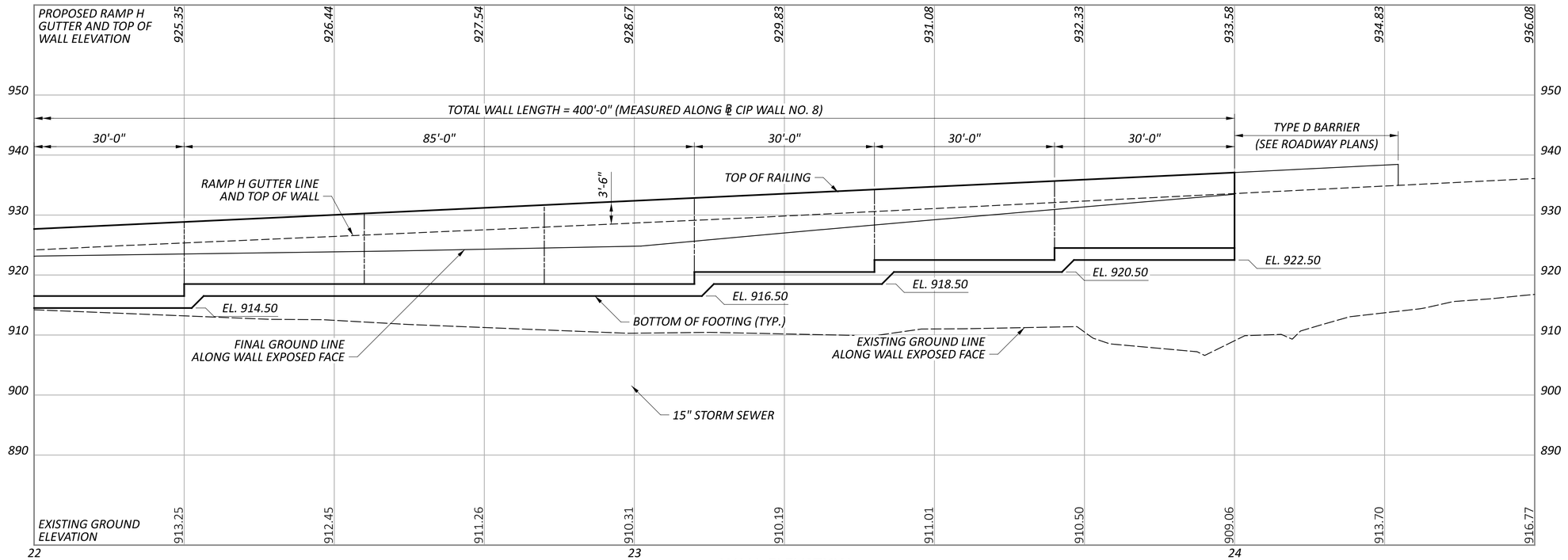


PLAN



WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION - 2
CIP WALL NO. 8
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

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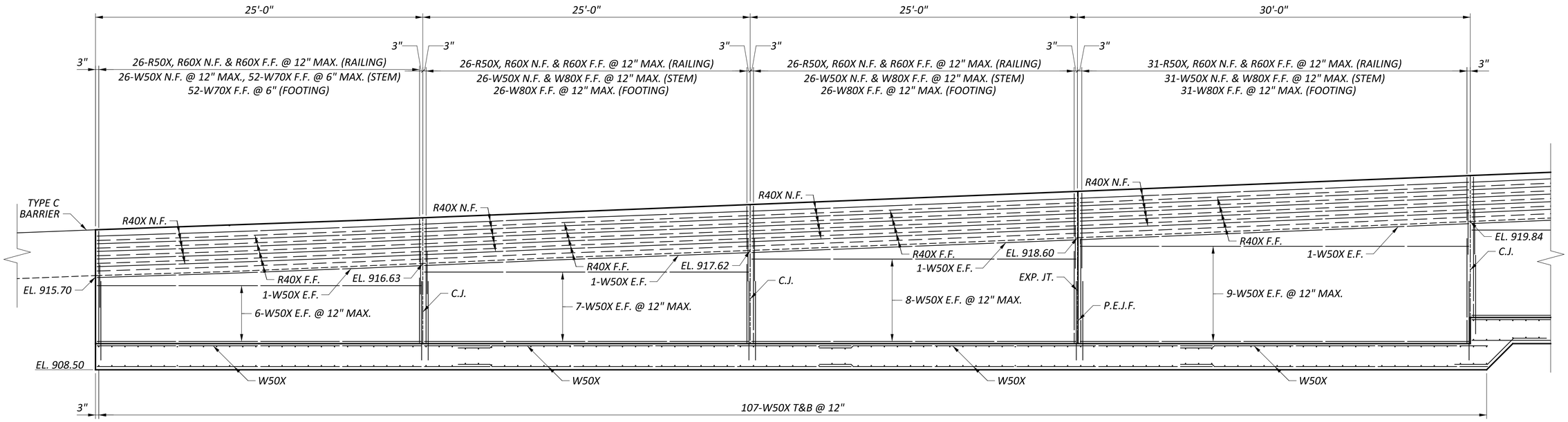
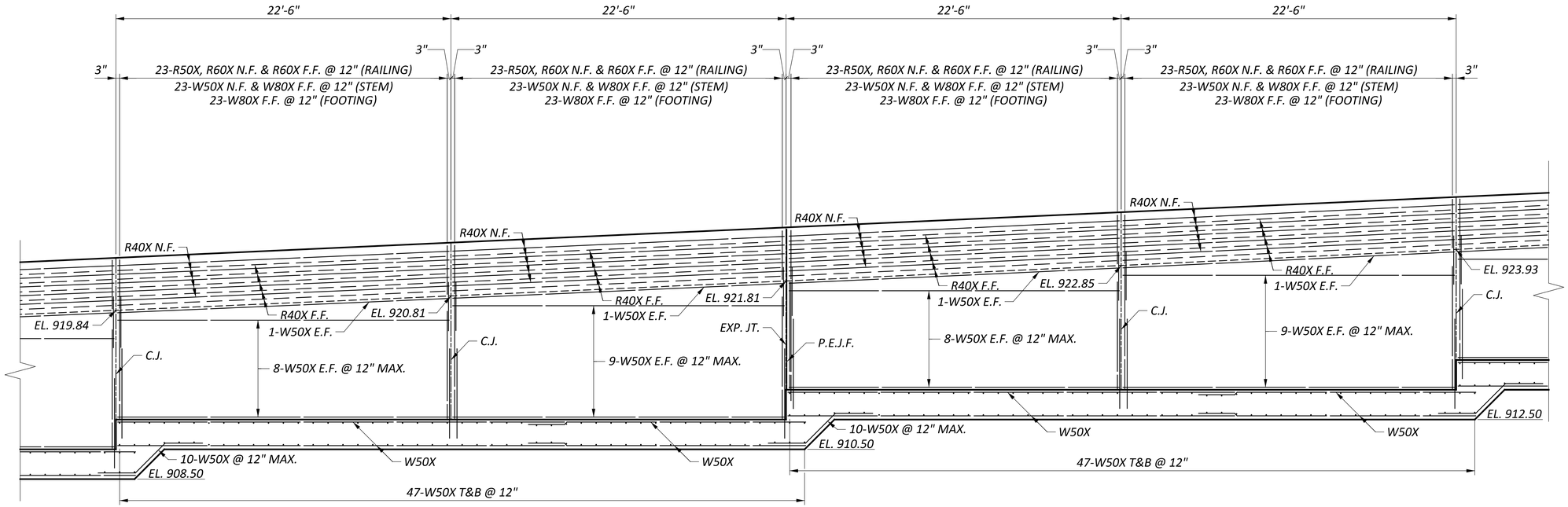
SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	ZTW
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	2
TOTAL	5
SHEET	P.1130
TOTAL	P.1535



ELEVATION



ELEVATION

NOTES

1. LAP SPLICE LENGTHS:
   #5 BAR = 2'-5"
   #8 BAR = 4'-9"

WALL ELEVATION - 1
CIP WALL NO. 8
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

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SFN N/A

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

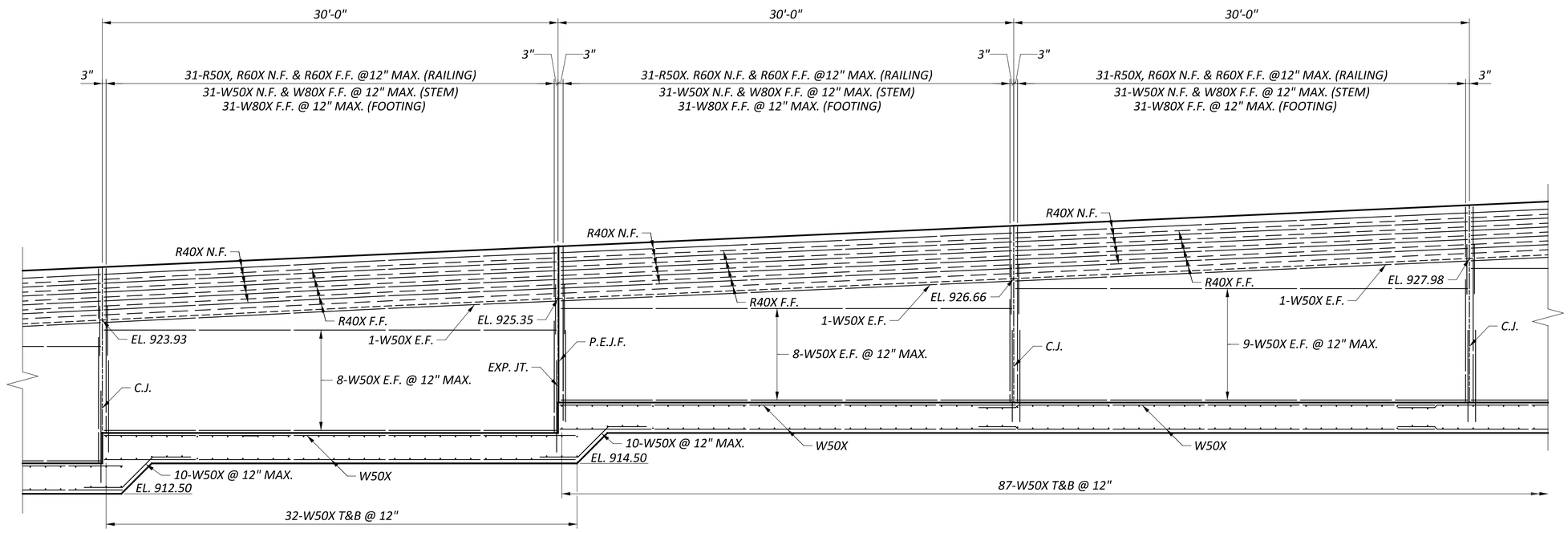
DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

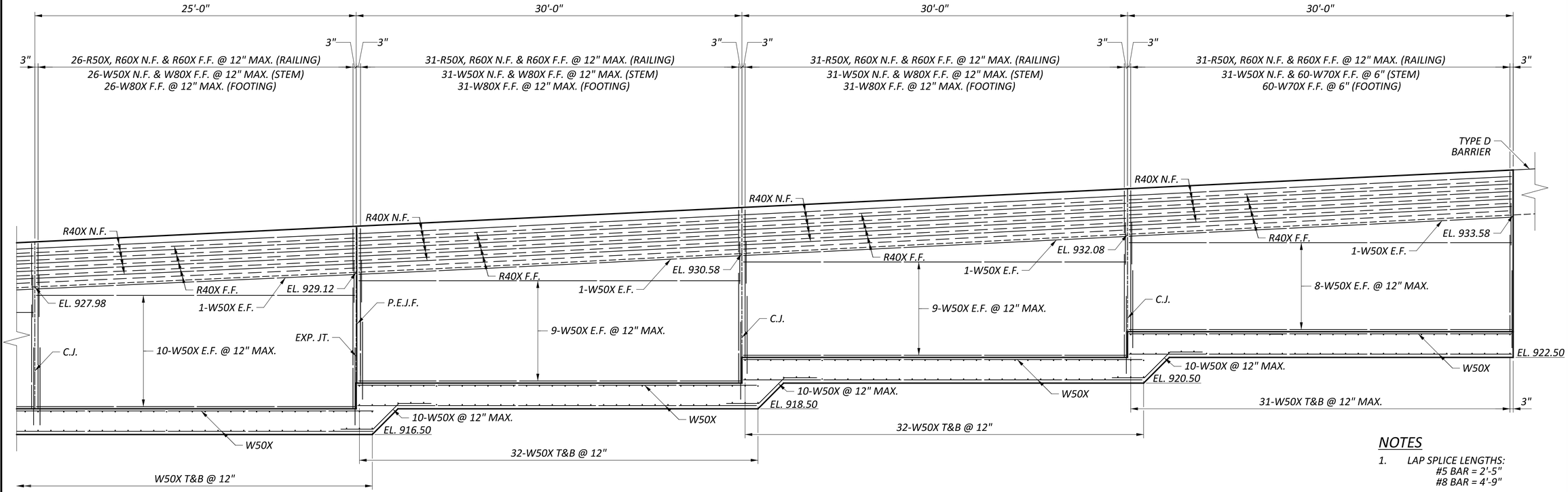
PROJECT ID 96808

SUBSET	TOTAL
3	5

SHEET	TOTAL
P.1131	P.1556



ELEVATION



ELEVATION

NOTES

1. LAP SPLICE LENGTHS:
   #5 BAR = 2'-5"
   #8 BAR = 4'-9"

WALL ELEVATION - 2
CIP WALL NO. 8
ALONG RAMP H

FAI/LIC-IR 70-0.00/0.00

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SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

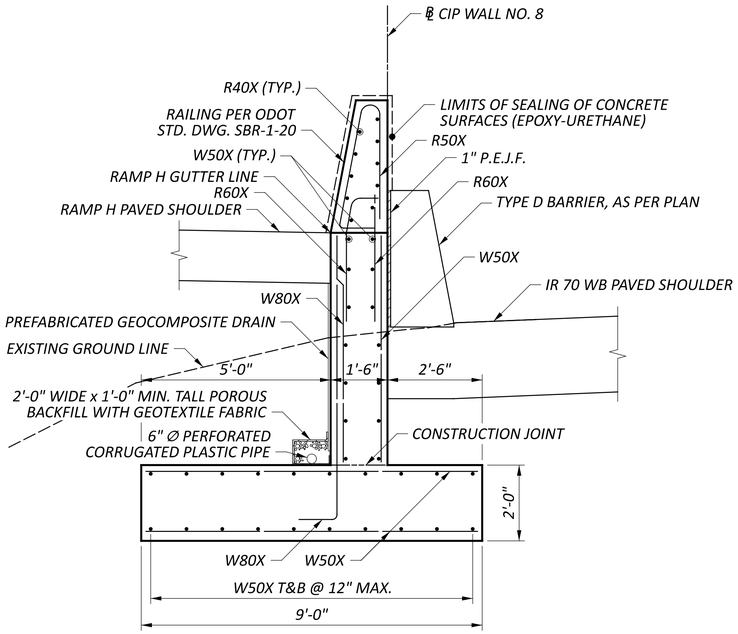
DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

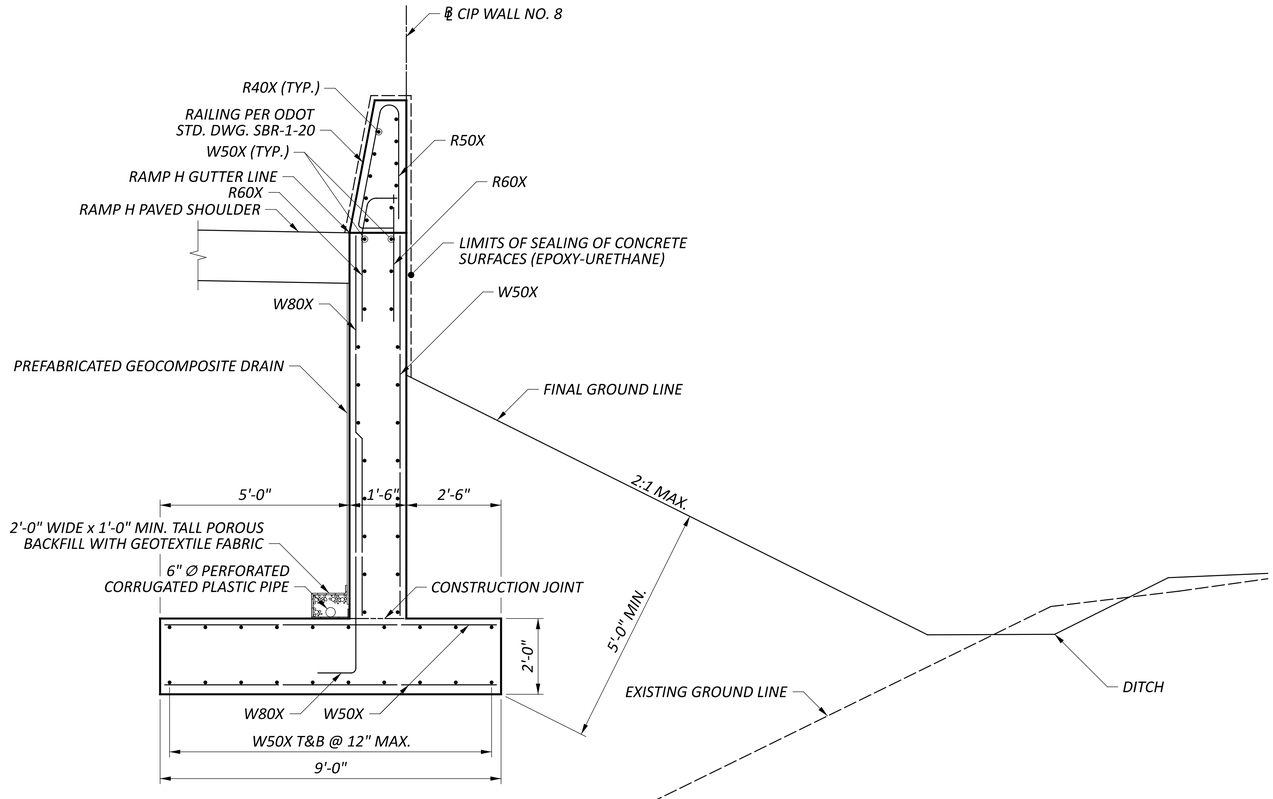
PROJECT ID 96808

SUBSET	TOTAL
4	5

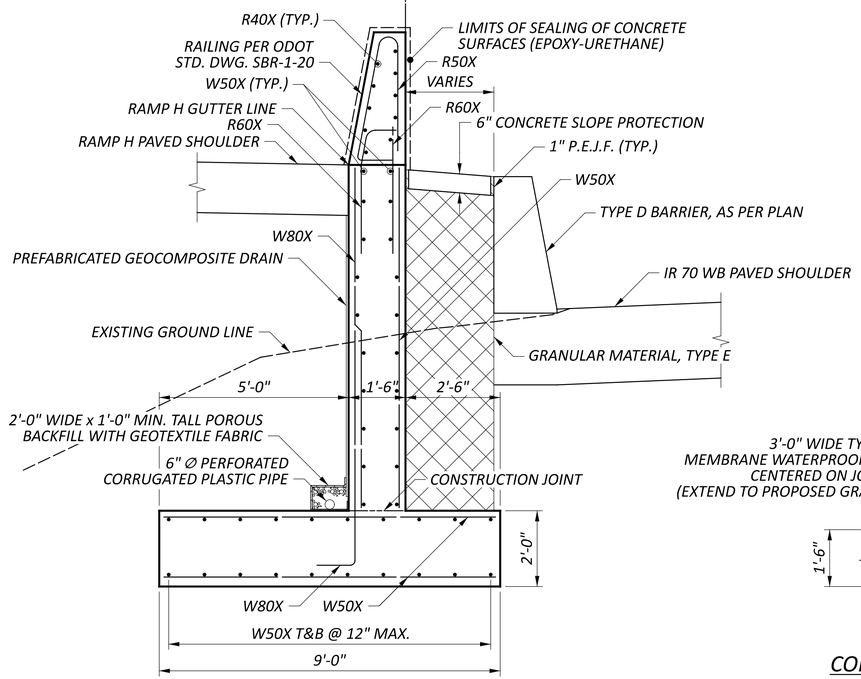
SHEET	TOTAL
P.1132	P.1556



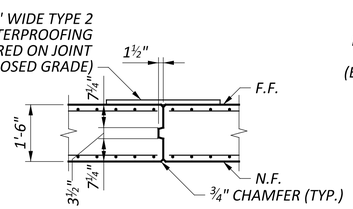
TYPICAL WALL SECTION
STA. 20+00 TO STA. 20+31



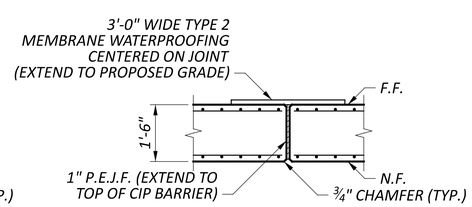
TYPICAL WALL SECTION
STA. 21+75 TO STA. 24+00



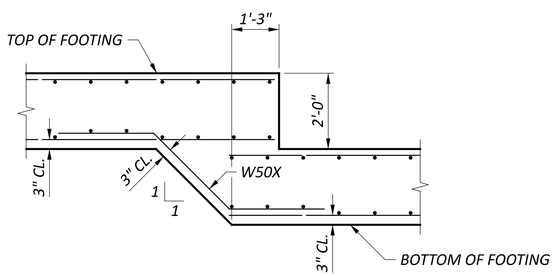
TYPICAL WALL SECTION
STA. 20+31 TO STA. 21+75



CONTRACTION JOINT DETAIL



EXPANSION JOINT DETAIL



FOOTING STEP DETAIL

NOTES
1. LAP SPLICE LENGTHS:
   #5 BAR = 2'-5"
   #8 BAR = 4'-9"

WALL DETAILS
CIP WALL NO. 8
ALONG RAMP H

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
5	5

SHEET	TOTAL
P.1133	P.1556

FAI/LIC-IR 70-0.00/0.00

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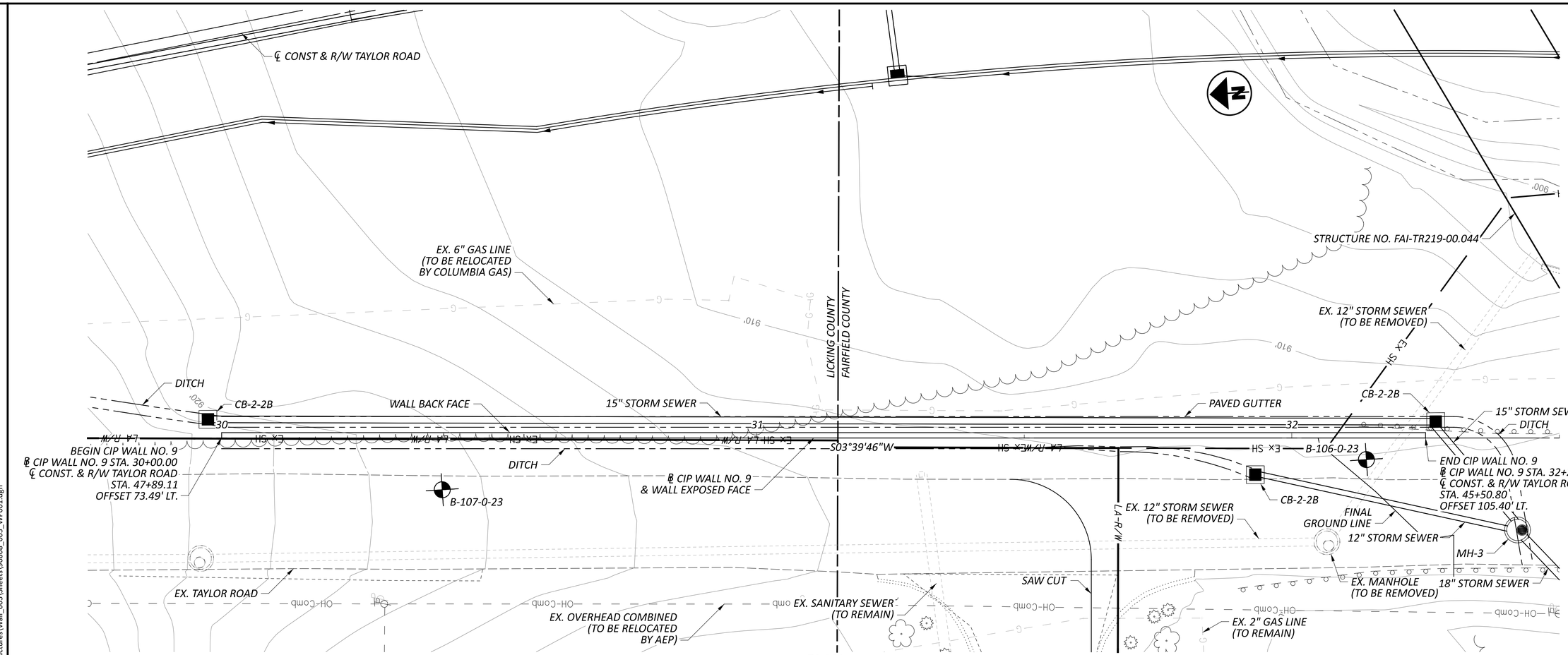
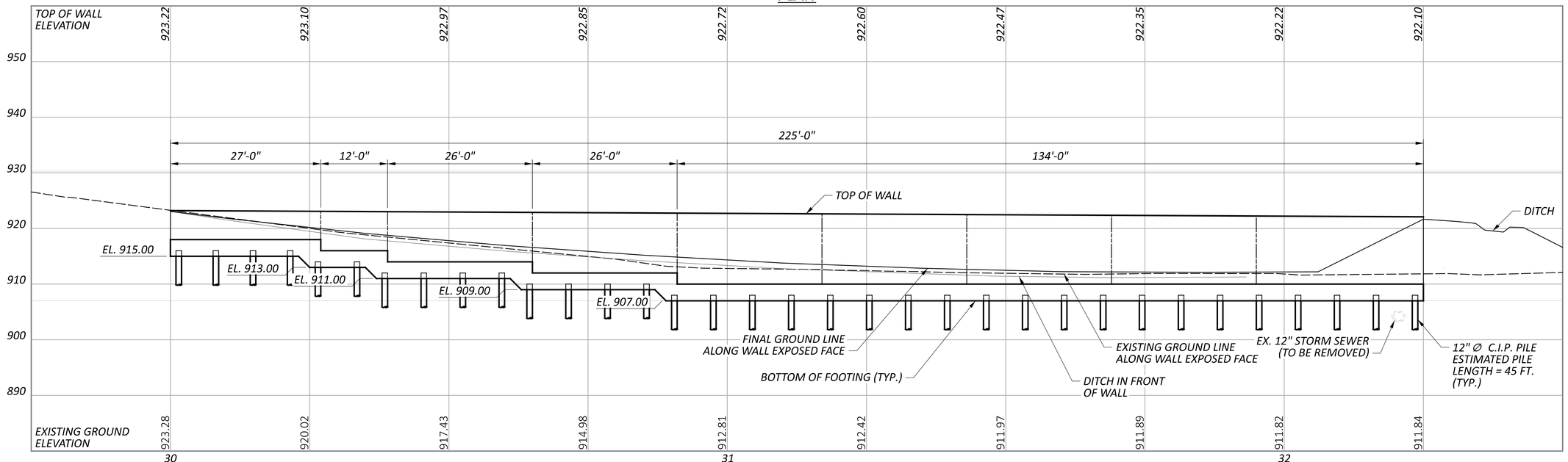


PLAN



WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

PLAN AND ELEVATION
CIP WALL NO. 9
ALONG EXISTING TAYLOR ROAD

SFN N/A

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
1	5

SHEET	TOTAL
P.1134	P.1535

FAI/LIC-IR 70-0.00/0.00

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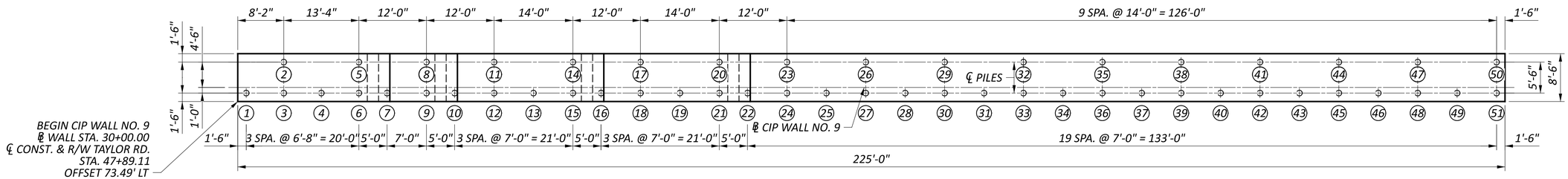

FOUNDATION PLAN

PILE SCHEDULE			
PILE SIZE	PILE NUMBER	CUTOFF ELEVATION	ORDER LENGTH
12" CIP	1-6	916.0	50
12" CIP	7-9	914.0	50
12" CIP	10-15	912.0	50
12" CIP	16-21	910.0	50
12" CIP	22-51	908.0	50

LEGEND

(#) PROPOSED PILE NUMBER

FOUNDATION PLAN
CIP WALL NO. 9
ALONG EXISTING TAYLOR ROAD

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
2	5

SHEET	TOTAL
P.1134	P.1556

FAI/LIC-IR 70-0.00/0.00

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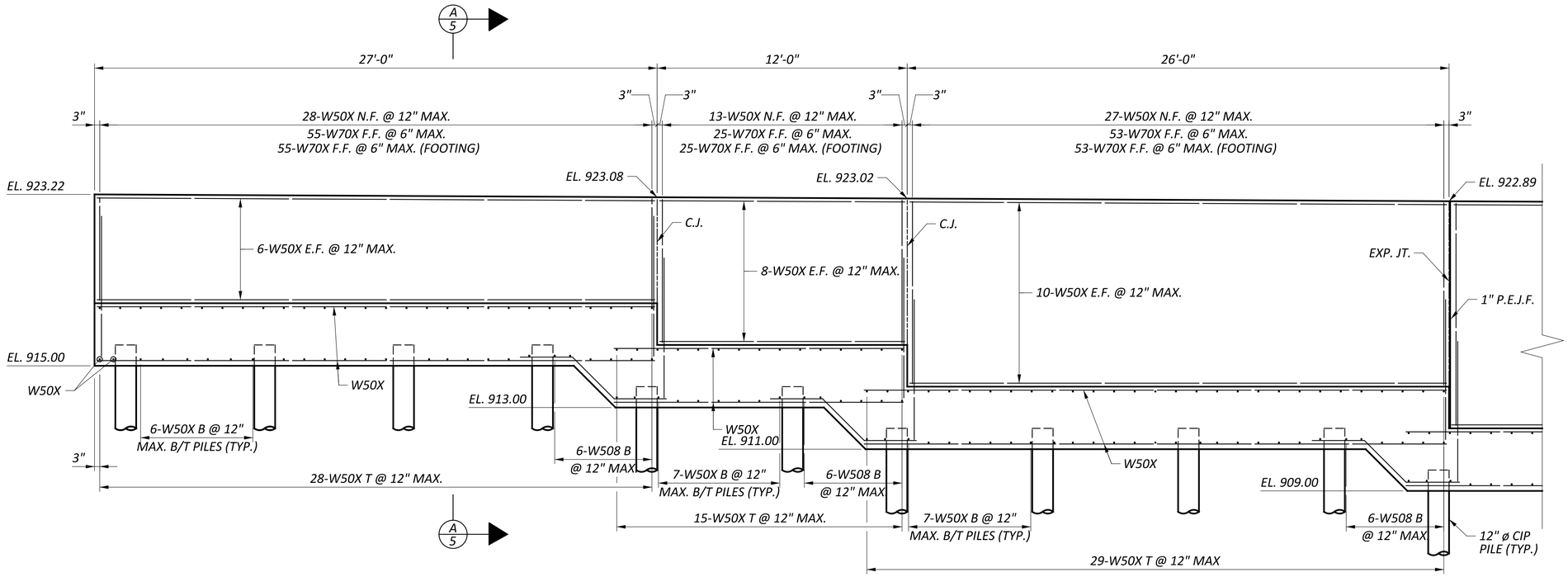
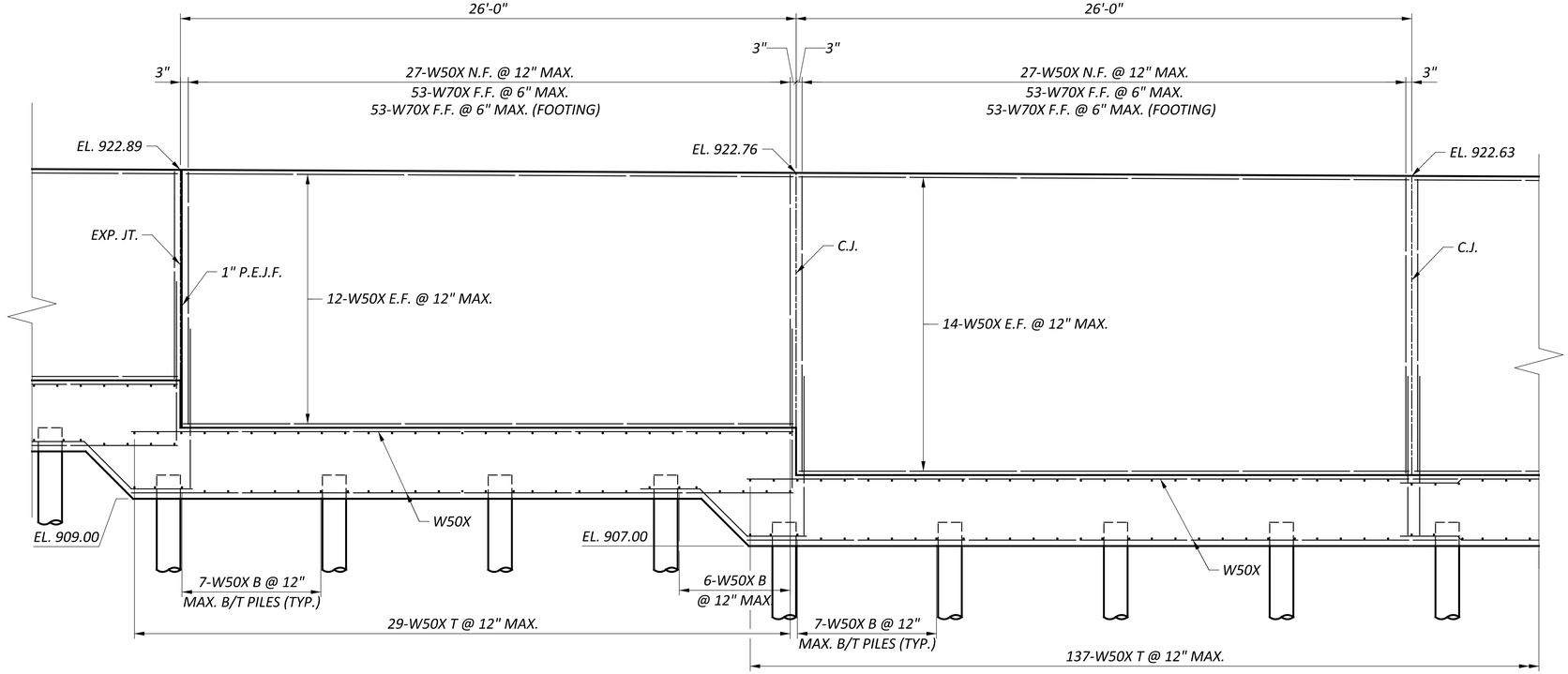


ELEVATION



ELEVATION

NOTES

1. LAP SPLICE LENGTHS:
   #5 = 2'-5"
   #7 = 4'-2"
   #8 = 4'-9"

WALL ELEVATION - 1
CIP WALL NO. 9
ALONG EXISTING TAYLOR ROAD

SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	BEH
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	3
TOTAL	5
SHEET	P.1135
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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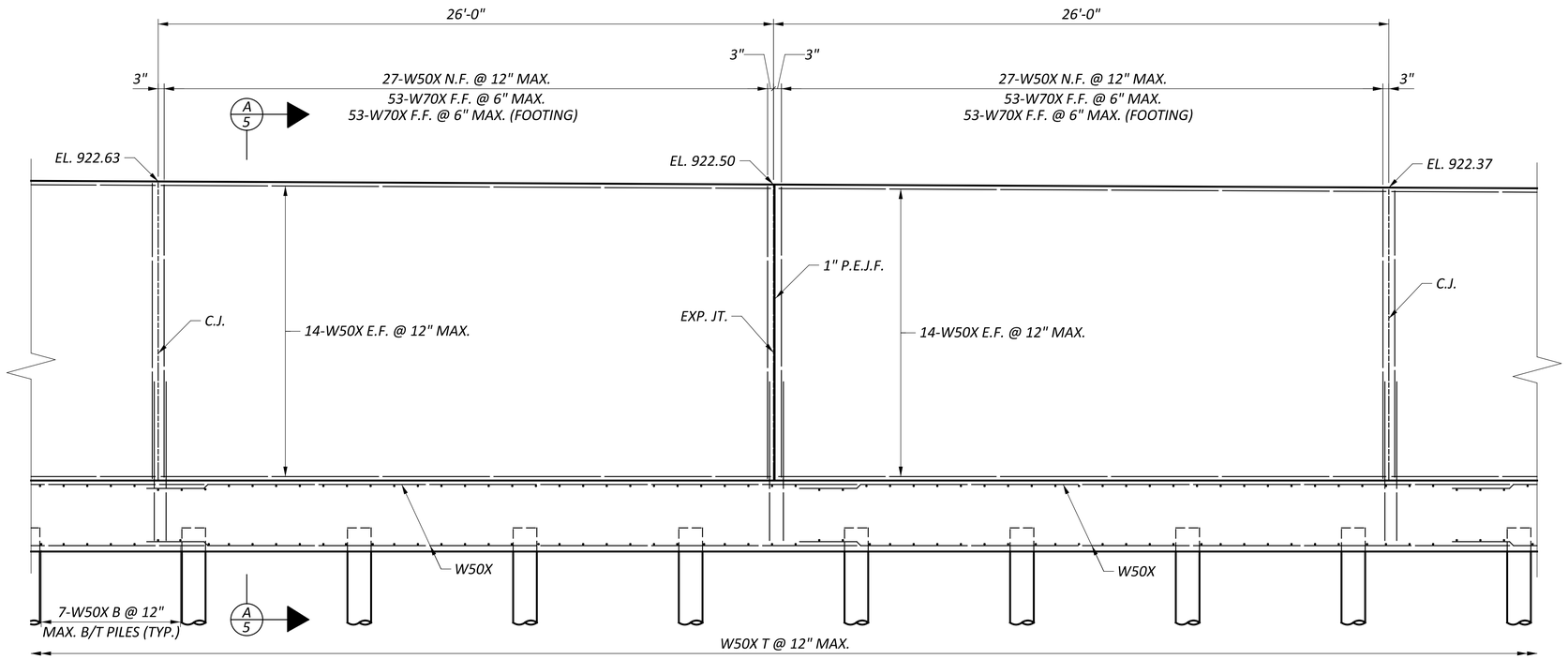
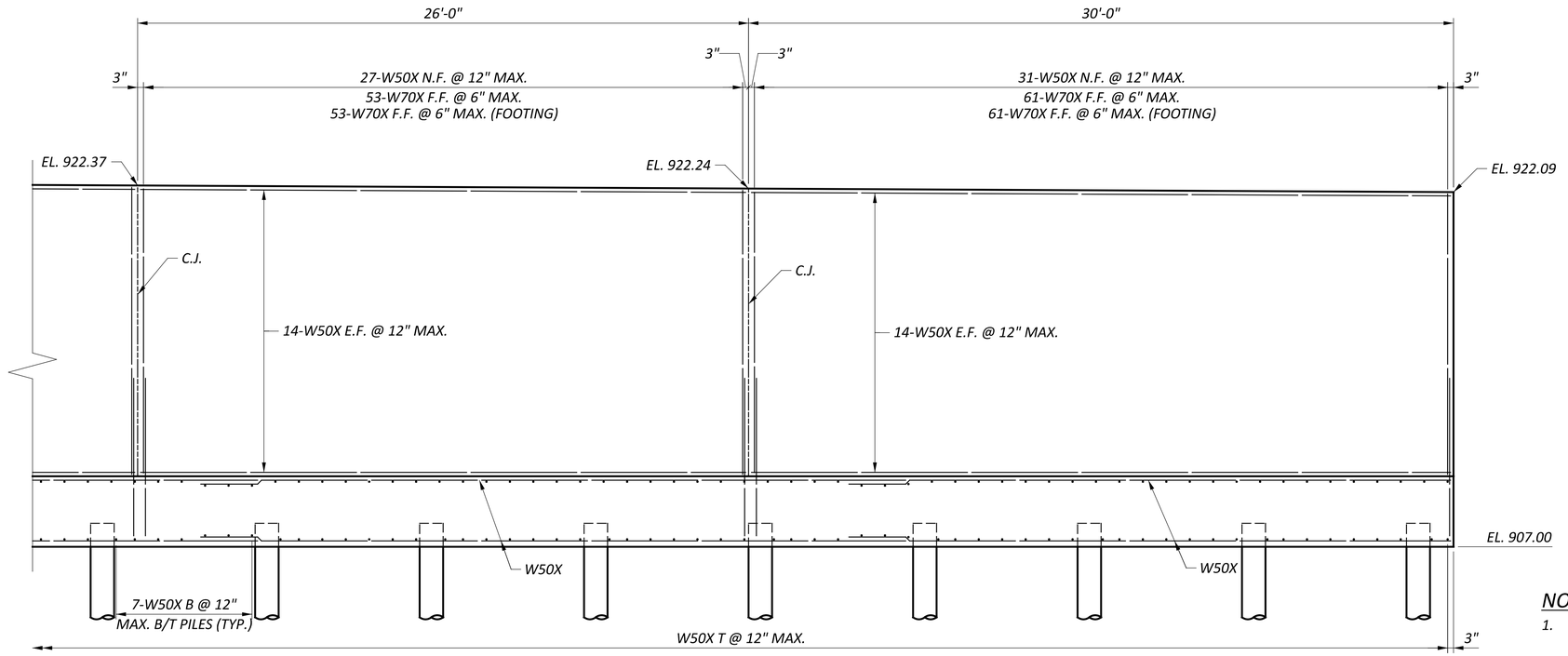


ELEVATION



ELEVATION

NOTES

1. LAP SPLICE LENGTHS:
   #5 = 2'-5"
   #7 = 4'-2"
   #8 = 4'-9"

WALL ELEVATION - 2
CIP WALL NO. 9
ALONG EXISTING TAYLOR ROAD

SFN	N/A
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	BEH
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	4
TOTAL	5
SHEET	P.1136
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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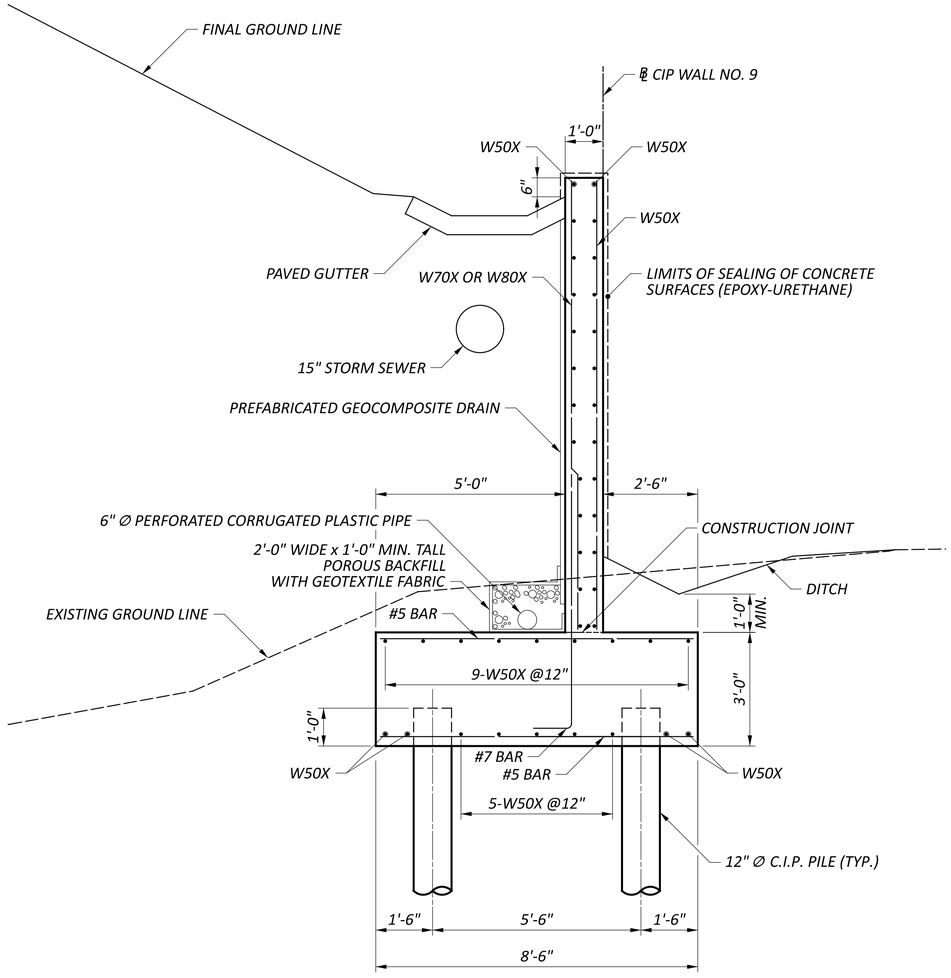
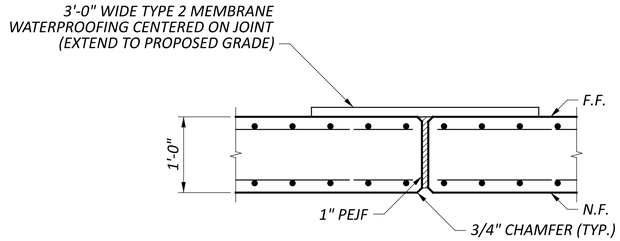
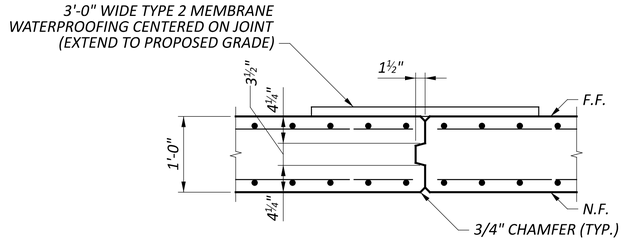


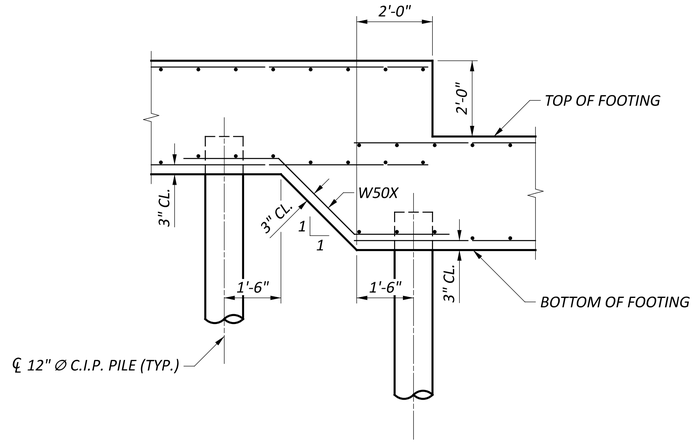
A 3,4 SECTION



EXPANSION JOINT DETAIL



CONTRACTION JOINT DETAIL



FOOTING STEP DETAIL

NOTES

1. LAP SPLICE LENGTHS:
   #5 BAR = 2'-5"
   #7 BAR = 4'-2"
   #8 BAR = 4'-9"

WALL DETAILS
CIP WALL NO. 9
ALONG EXISTING TAYLOR ROAD

SFN N/A

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
ZTW	CCJ

REVIEWER ERK 05-01-25

PROJECT ID 96808

SUBSET	TOTAL
5	5

SHEET	TOTAL
P.1137	P.1556

FAI/LIC-IR 70-0.00/0.00

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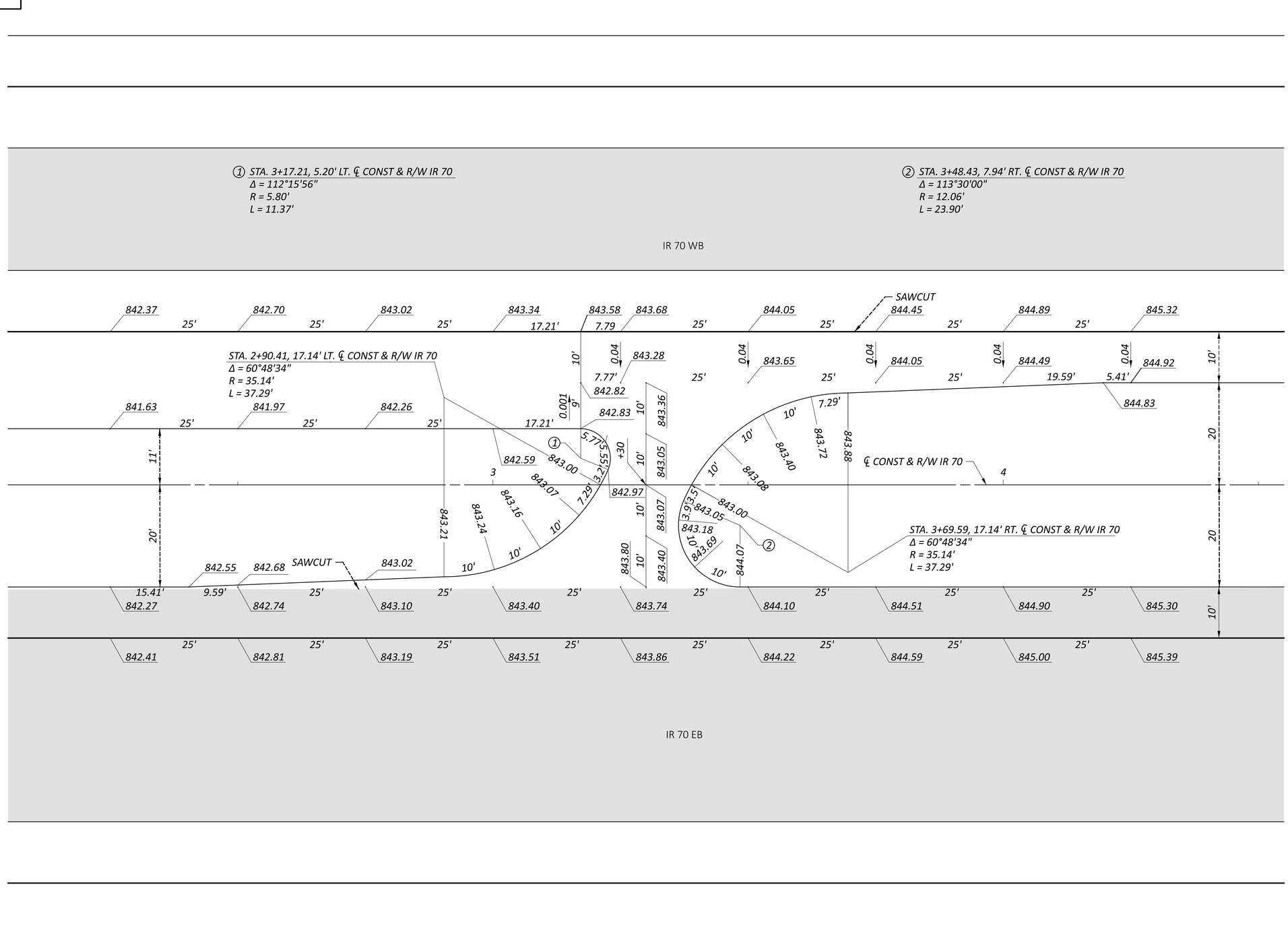
LEGEND

- OVERLAY/PLANING



HORIZONTAL SCALE IN FEET
0 5 10 20

MEDIAN CROSSOVER DETAIL
STA. 3+30.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1138 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_i070 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 10:45:45 PM USER: brieder
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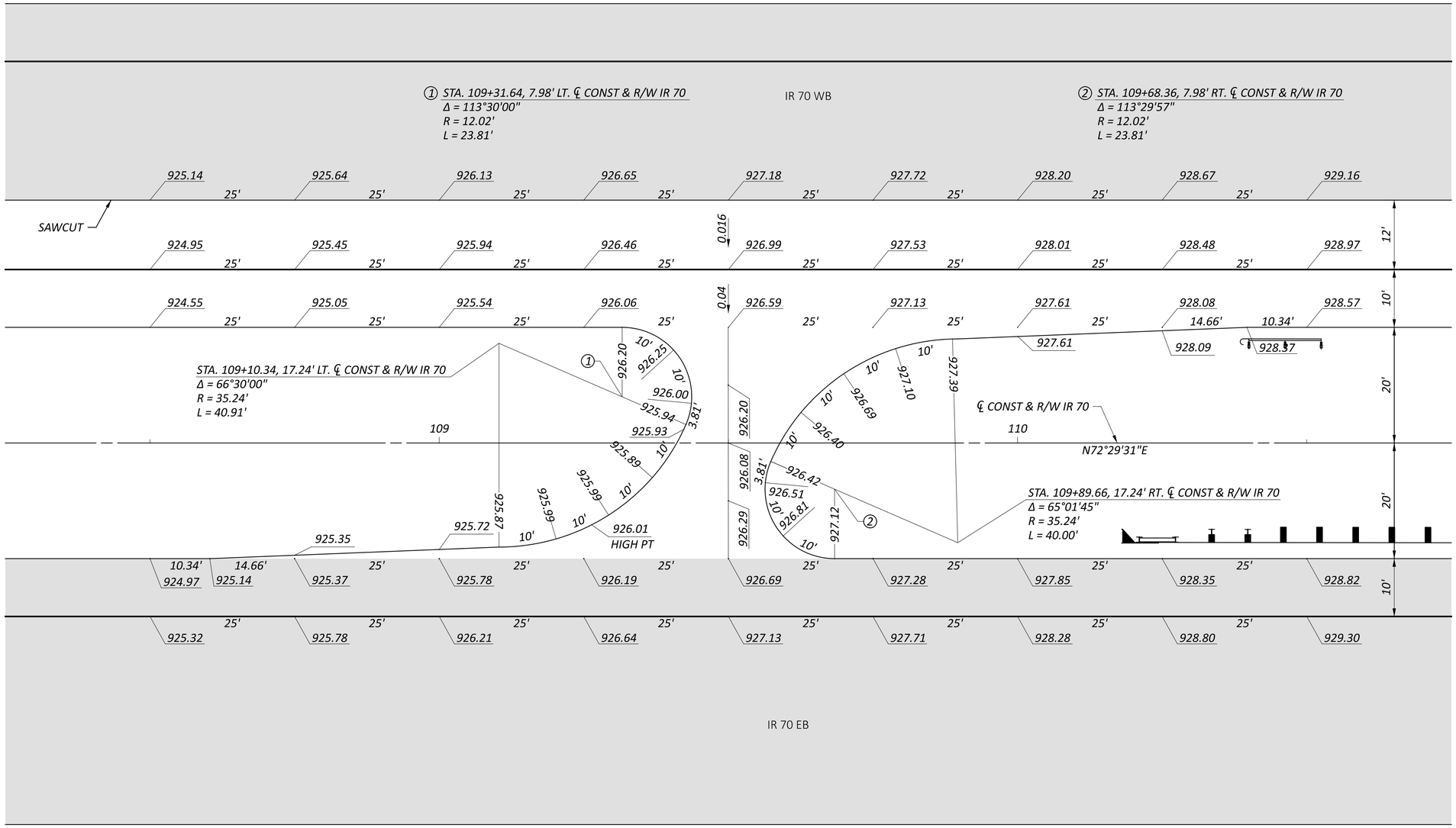
LEGEND

- OVERLAY/PLANING

HORIZONTAL SCALE IN FEET
0 5 10 20



MEDIAN CROSSOVER DETAIL STA. 109+50.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
BER

REVIEWER
KAM 04/25/25

PROJECT ID
96808

SHEET P.1139 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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ITEM 621 RAISED PAVEMENT MARKER REMOVED

IN AREAS WHERE THE RAISED PAVEMENT MARKER CASTINGS CANNOT BE REPLACED BECAUSE OF PAVEMENT CONDITIONS, USE THIS ITEM INSTEAD OF ITEM 621 RPM, INSTALLATION ONLY
TO COMPENSATE THE CONTRACTOR FOR REMOVAL OF THE EXISTING RPM AND RESTORATION OF THE PAVEMENT.

ALL BROKEN, CRACKED, FRAGMENTED OR PARTIAL REMNANTS OF RAISED PAVEMENT MARKERS OR MISSING RAISED PAVEMENT MARKERS SHALL BE TOTALLY REMOVED AND THE PAVEMENT
RESTORED AS DESCRIBED IN CONSTRUCTION AND MATERIAL SPECIFICATION ITEM 621.08.

THE FOLLOWING IS AN ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE ABOVE WORK:

ITEM 621 916 EACH RAISED PAVEMENT MARKER REMOVED

631 SCHOOL SPEED LIMIT SIGN ASSEMBLY, SOLAR-POWERED, AS PER PLAN

THIS SPECIFICATION APPLIES TO SCHOOL SIGN FLASHERS POWERED BY BATTERIES AND RECHARGED BY SOLAR PANELS.

THE ENTIRE SCHOOL ZONE FLASHER AND SIGN ASSEMBLY SHALL CONFORM TO THE CONTRACT DOCUMENTS AND MEET THE REQUIREMENTS SET FORTH IN THE OMUTCD. THE SIGN SIZE SHALL BE 30" X 60" AND SIGN CODE S5-H1.

THE FLASHER CONTROL AND BATTERY WILL BE HOUSED IN ONE OR MORE STAINLESS STEEL OR ALUMINUM ENCLOSURES WITH A NEMA RATING OF AT LEAST 3X. ENCLOSURE EXTERIOR SURFACES SHALL BE BARE OR POWDER COAT ALUMINUM OR STAINLESS STEEL. THE ENCLOSURE INTERIOR SURFACES SHALL BE THE SAME AS THE EXTERIOR.

IF CONTAINED IN A SINGLE ENCLOSURE, THE CONTROL ELECTRONICS AND BATTERY SHALL BE SEPARATED IN A MANNER TO PREVENT DAMAGE TO THE CONTROL ELECTRONICS IF THE BATTERY ENVELOPE IS COMPROMISED.

A PAIR OF LED SIGNAL BEACONS, ONE ABOVE AND ONE BELOW THE SIGN, MEETING THE CURRENT ITE VEHICLE TRAFFIC CONTROL SIGNAL HEADS (VTCSH) STANDARD WILL BE USED UNLESS OTHERWISE SPECIFIED. THE MANUFACTURER OF THE SIGNAL BEACON SHALL BE LISTED ON THE DEPARTMENT'S QUALIFIED PRODUCTS LIST FOR LED SIGNAL LAMPS.

THE SOLAR PANEL AND/OR CONTROLLER MANUFACTURER WILL PROVIDE SIGNED COPIES OF CALCULATIONS USED TO SIZE THE SOLAR PANEL AND BATTERIES. INCLUDED IN THESE CALCULATIONS WILL BE THE INSOLATION VALUE USED AND ITS SOURCE, THE SOLAR PANEL EFFICIENCY, CHARGER/CONTROLLER EFFICIENCY, INVERTER EFFICIENCY, PROPOSED LED LAMP LOAD, AND A FIGURE REPRESENTING ANTICIPATED MISCELLANEOUS LOSSES.

SOLAR PANEL MANUFACTURER MUST TEST PANEL ACCORDING TO IEC61215 OR EQUIVALENT APPROVED STANDARD. SOLAR PANEL MOUNTING MUST BE RATED FOR 90 MPH DESIGN WIND.

RUN REQUIREMENTS ARE 4 HOURS PER DAY FOR TWO WEEKS UNDER CONTINUOUS WORST-CASE (MINIMUM) INSOLATION FIGURES (USUALLY DECEMBER) FOR THE PROPOSED GEOGRAPHIC LOCATION, USING A PANEL ELEVATION ANGLE APPROPRIATE TO THE SITE LATITUDE, AT A SUSTAINED TEMPERATURE OF 25 DEGREES FAHRENHEIT (-4 DEGREES CELSIUS).

IF VOLTAGES OVER 50V AC OR DC ARE PRESENT, GROUNDING AND BONDING REQUIREMENTS SPECIFIED IN THE ODOT CMS WILL BE FOLLOWED.

ANY TIMER INCLUDED IN THE ASSEMBLY MUST SATISFY THE REQUIREMENTS OF 731.10 AND BE LISTED ON THE DEPARTMENT'S QUALIFIED PRODUCTS LIST.

PAYMENT FOR 631 SCHOOL SPEED LIMIT SIGN ASSEMBLY, SOLAR POWERED, AS PER PLAN, SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH. PAYMENT SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TESTING, CERTIFICATIONS AND OTHER INCIDENTALS NECESSARY TO FURNISH THE SOLAR POWERED SCHOOL ZONE FLASHER COMPLETE IN PLACE, INCLUDING THE SIGN, ALL CONNECTIONS MADE, WIRING COMPLETE, TESTED AND ACCEPTED.

NOTE TO REVIEWER:
PROJECT ESTIMATE ACCOUNTS FOR WET REFLECTIVE MARKINGS ON IR 70 AND THE RAMPS AT SR 256 AND AT TAYLOR ROAD. ALL OTHER ROADWAYS USES ITEM 644 AND 646. IS IT THE DISTRICTS PREFERENCE TO UTILIZE WET REFLECTIVE MARKINGS ON IR 70 AND THE RAMPS?

NOTE TO REVIEWER:
PROJECT ESTIMATE ACCOUNTS FOR RPM'S ON TAYLOR ROAD FROM SR 204 TO TAYLOR ROAD SW SINCE THIS PORTION OF TAYLOR ROAD IS WITHIN PROPOSED LA. IS ODOT GOING TO MAINTAIN THIS PORTION OF TAYLOR ROAD AND WANT RPM'S INSTALLED. THE EXISTING 204A CURRENTLY HAS RPM'S INSTALLED.

SIGNING LEGEND

= EXISTING SIGN

= EXISTING SIGN REMOVED

= PROPOSED SIGN

PAVEMENT MARKING LEGEND

XX / XX = PROPOSED PAVEMENT MARKINGS

XX = EXISTING PAVEMENT MARKINGS

LINE SPECIFICATION		
THERMO	EPOXY	DESCRIPTION
YE6	YE6	EDGE LINE, 6" YELLOW
YE4	YE4	EDGE LINE, 4" YELLOW
WE6	WE6	EDGE LINE, 6" WHITE
WE4	WE4	EDGE LINE, 4" WHITE
LL6	LL6	LANE LINE, 6"
LL4	LL4	LANE LINE, 4" WHITE
CSD	CSD	CENTER LINE, SOLID DASHED
DY	DY	CENTER LINE, DOUBLE YELLOW
CH12	CH12	CHANNELIZING LINE, 12"
CH8	CH8	CHANNELIZING LINE, 8"
SL	SL	STOP LINE, 24"
XW	XW	CROSSWALK, 12"
WT	WT	TRANSVERSE/DIAGONAL LINE, 24" WHITE
YT	YT	TRANSVERSE/DIAGONAL LINE, 24" YELLOW
CM	CM	CHEVRON MARKING, 24" WHITE
IM	IM	ISLAND MARKING
LA	LA	LANE ARROW
RA	RA	LANE REDUCTION ARROW
WA	WA	WRONG WAY ARROW
WOP	WOP	WORD ON PAVEMENT, 72"
WD	WD	DOTTED LINE, 6" WHITE (3' LINE/9'GAP)
WD1	WD1	DOTTED LINE, 6" WHITE (2' LINE/6'GAP)
YD	YD	DOTTED LINE, 6" YELLOW (2' LINE/6'GAP)

TRAFFIC CONTROL NOTES

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER

REVIEWER VDK 04/25/25

PROJECT ID 96808

SHEET P.1140 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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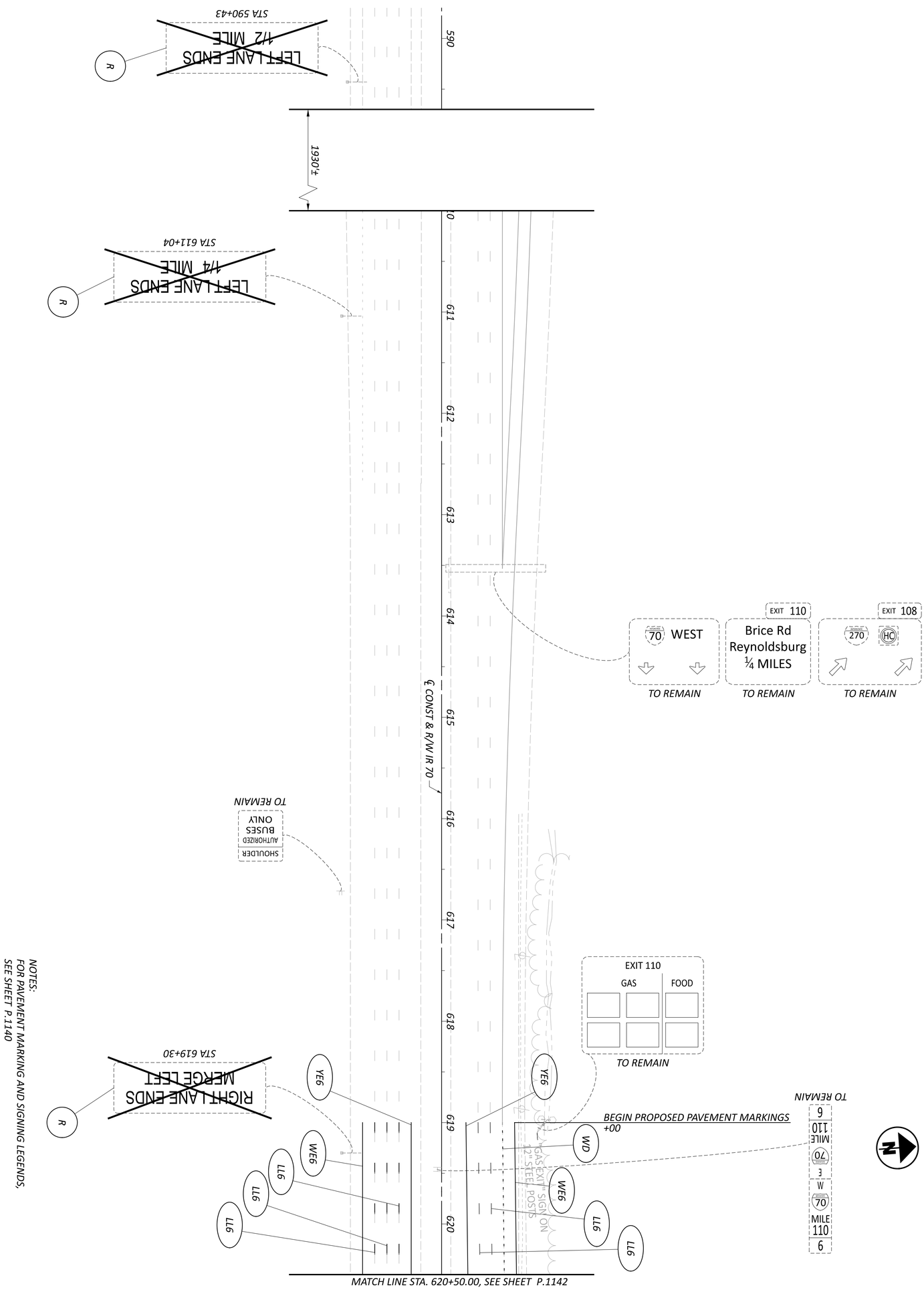

SHEET	TOTAL
P.1141	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 590+00.00 TO STA. 620+50.00

HORIZONTAL SCALE IN FEET

0 100

50 200

MODEL: Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:53:47 AM USER: brieder
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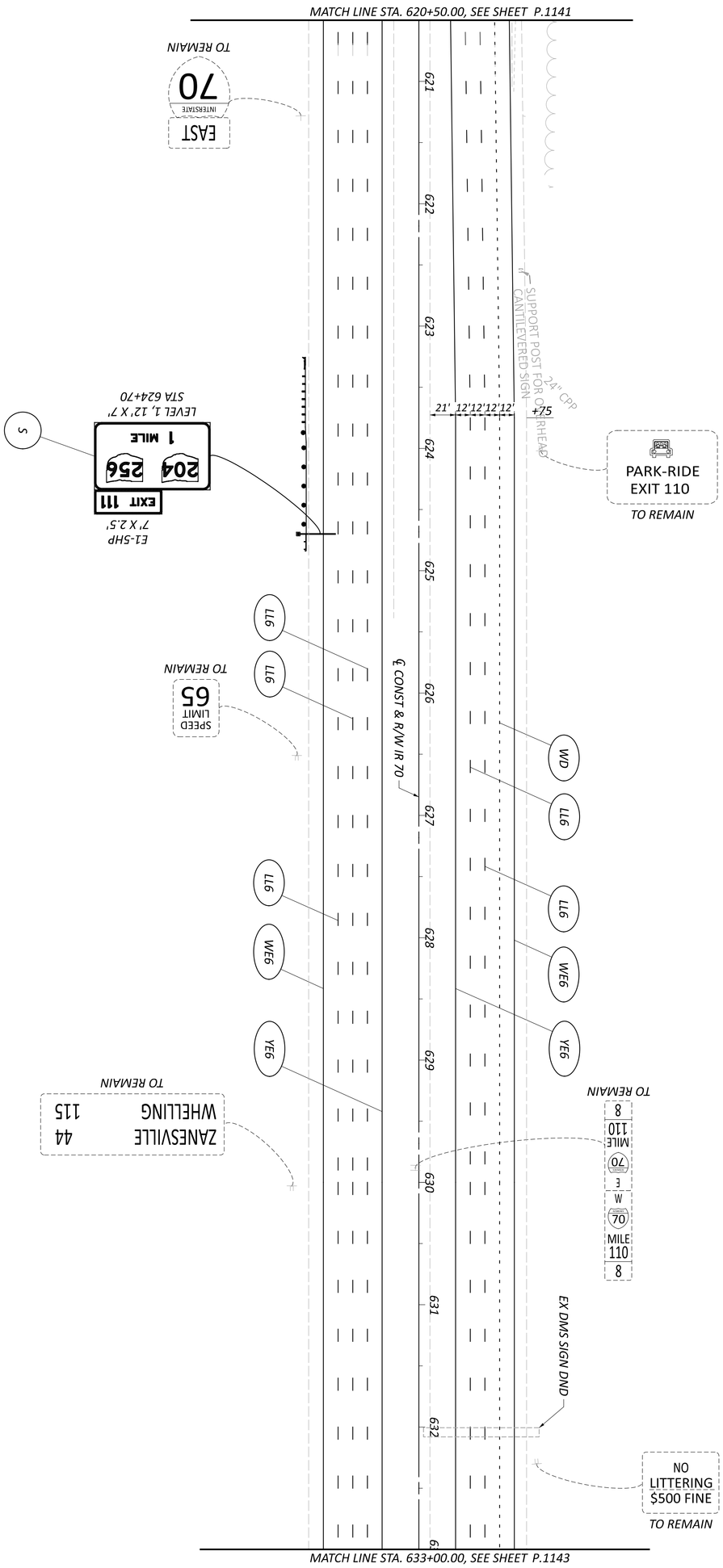

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1142	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 620+50.0.0 TO STA. 633+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

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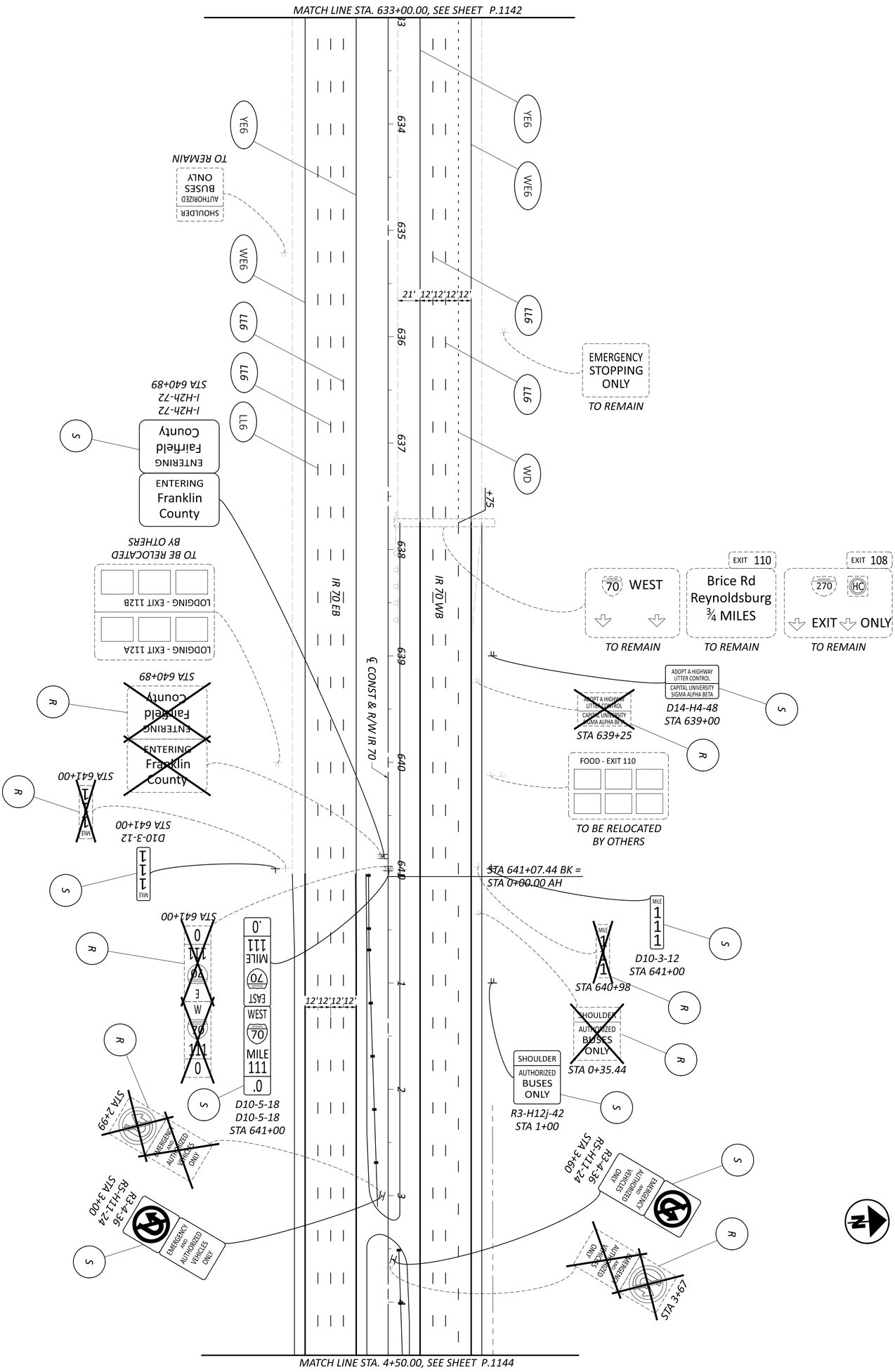

SHEET	TOTAL
P.1143	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 633+00.00 TO STA. 4+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP104 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:54:11 AM USER: brieder
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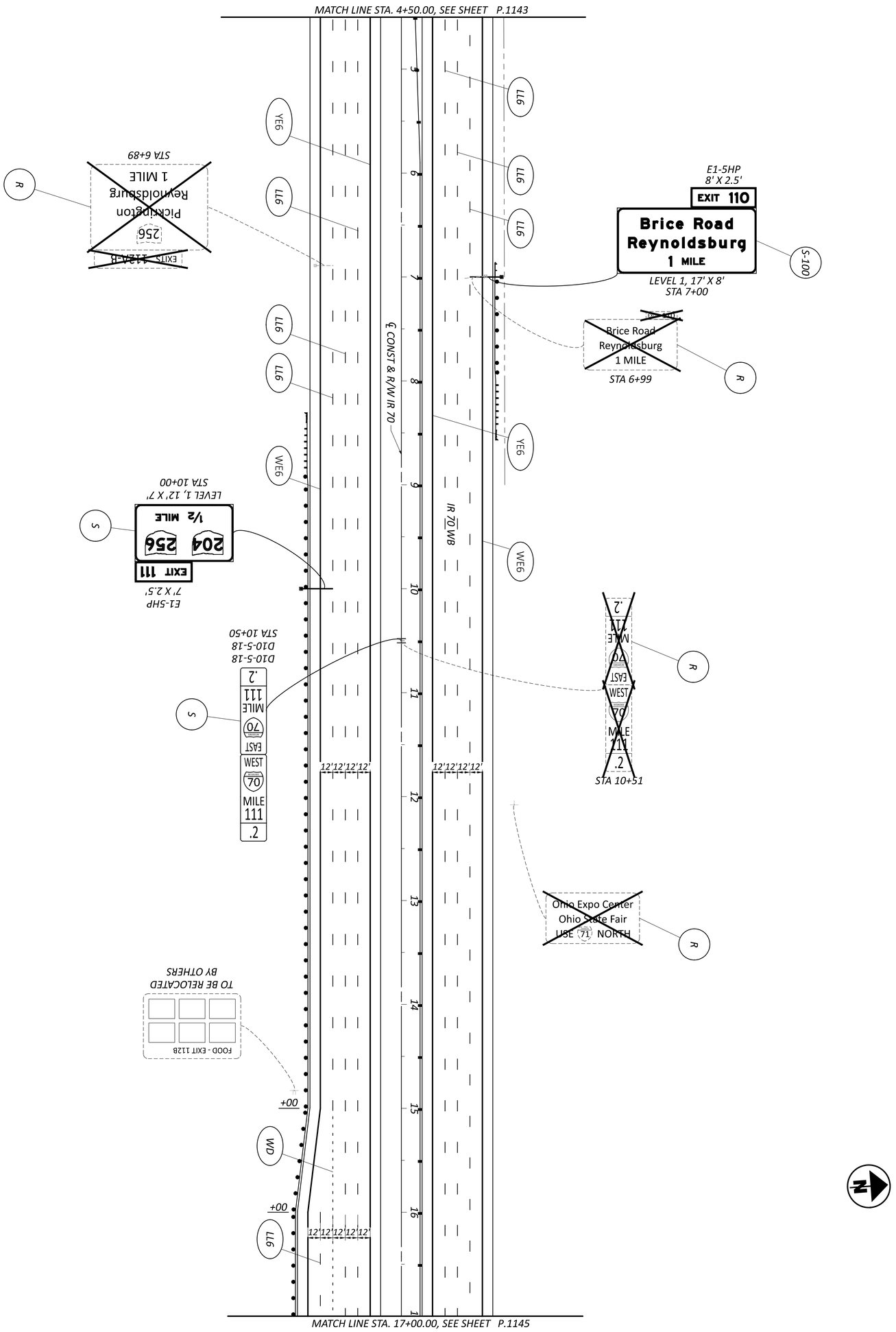

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1144	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 4+50.00 TO STA. 17+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP105 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:54:22 AM USER: brieder
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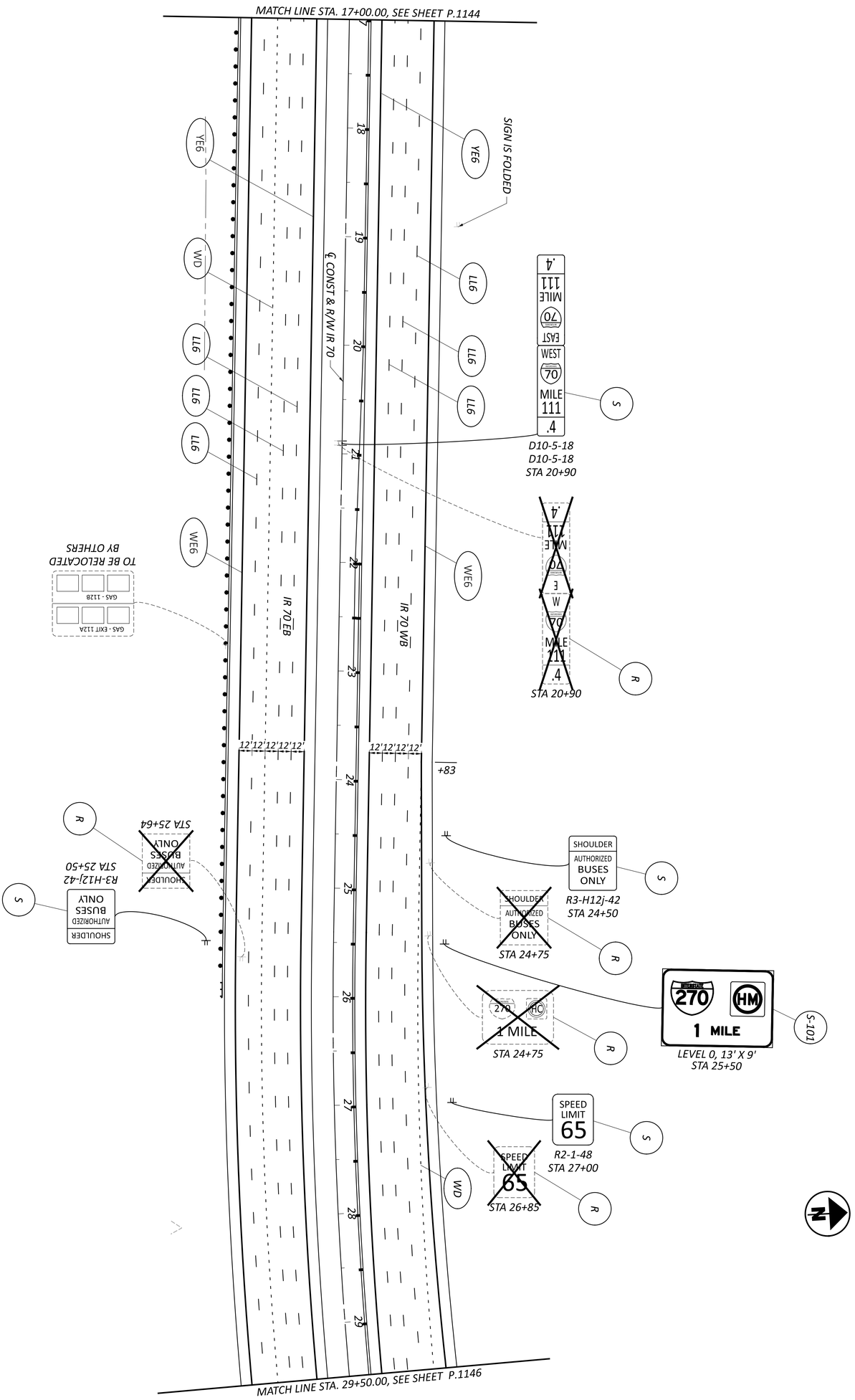

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

SHEET	TOTAL
P.1145	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 17+00.00 TO STA. 29+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP106 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:54:32 AM USER: brieder
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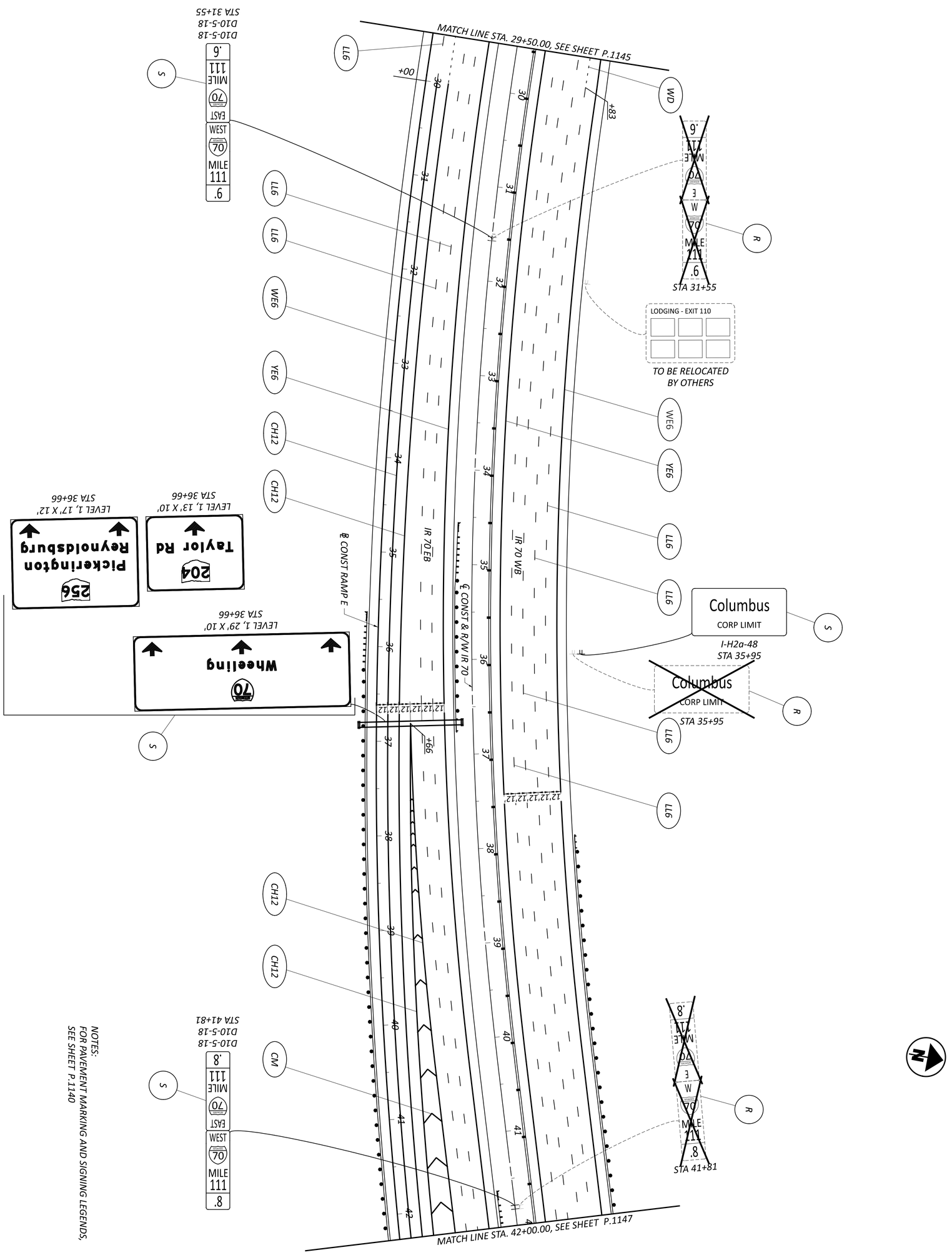


NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

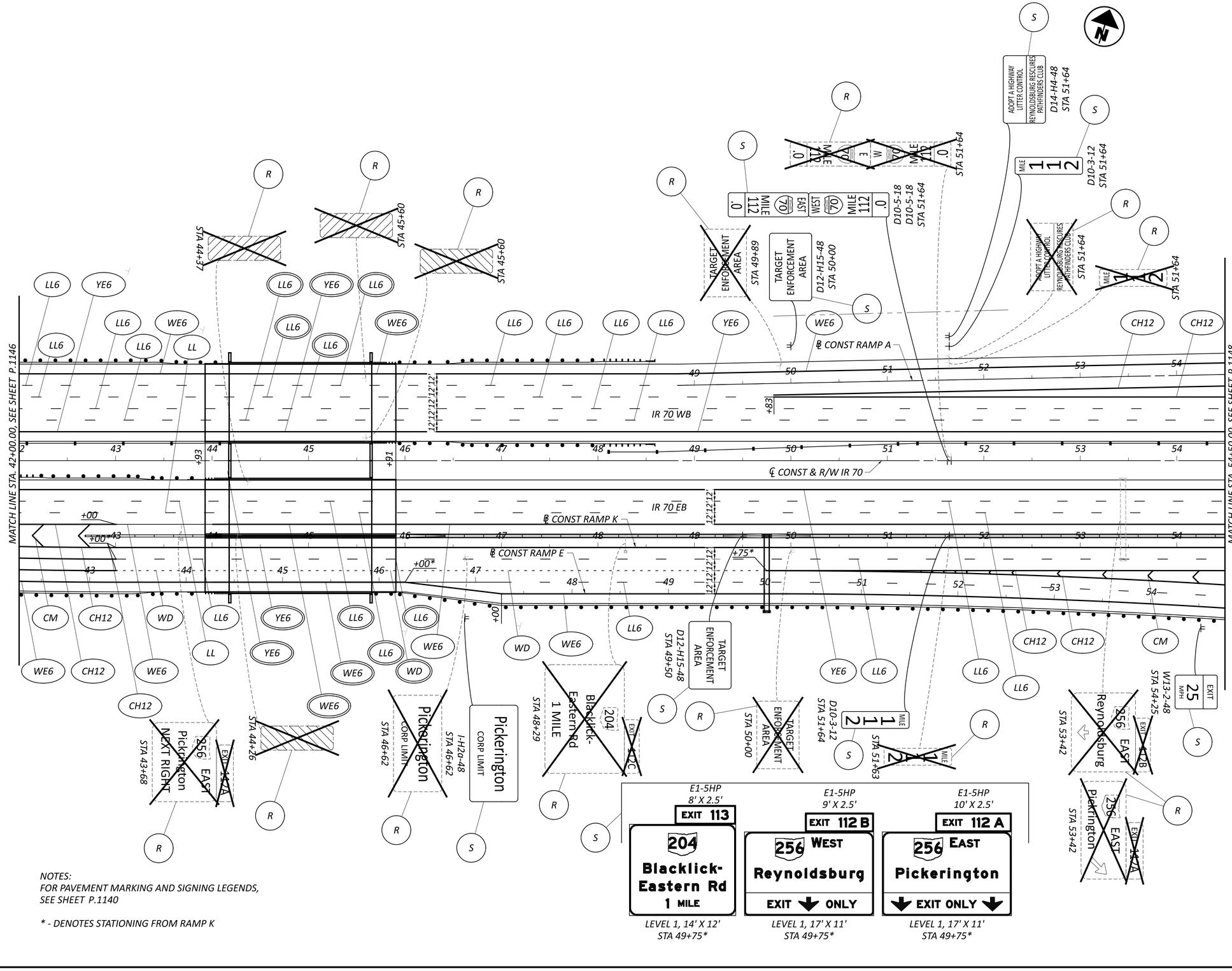
TRAFFIC CONTROL PLAN - IR 70
STA. 29+50.00 TO STA. 42+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1146	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 42+00.00 TO STA. 54+50.00

HORIZONTAL SCALE IN FEET
0 50 100 200



NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

* - DENOTES STATIONING FROM RAMP K

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	VDK 04/25/25
PROJECT ID	96808
SHEET	P.1147
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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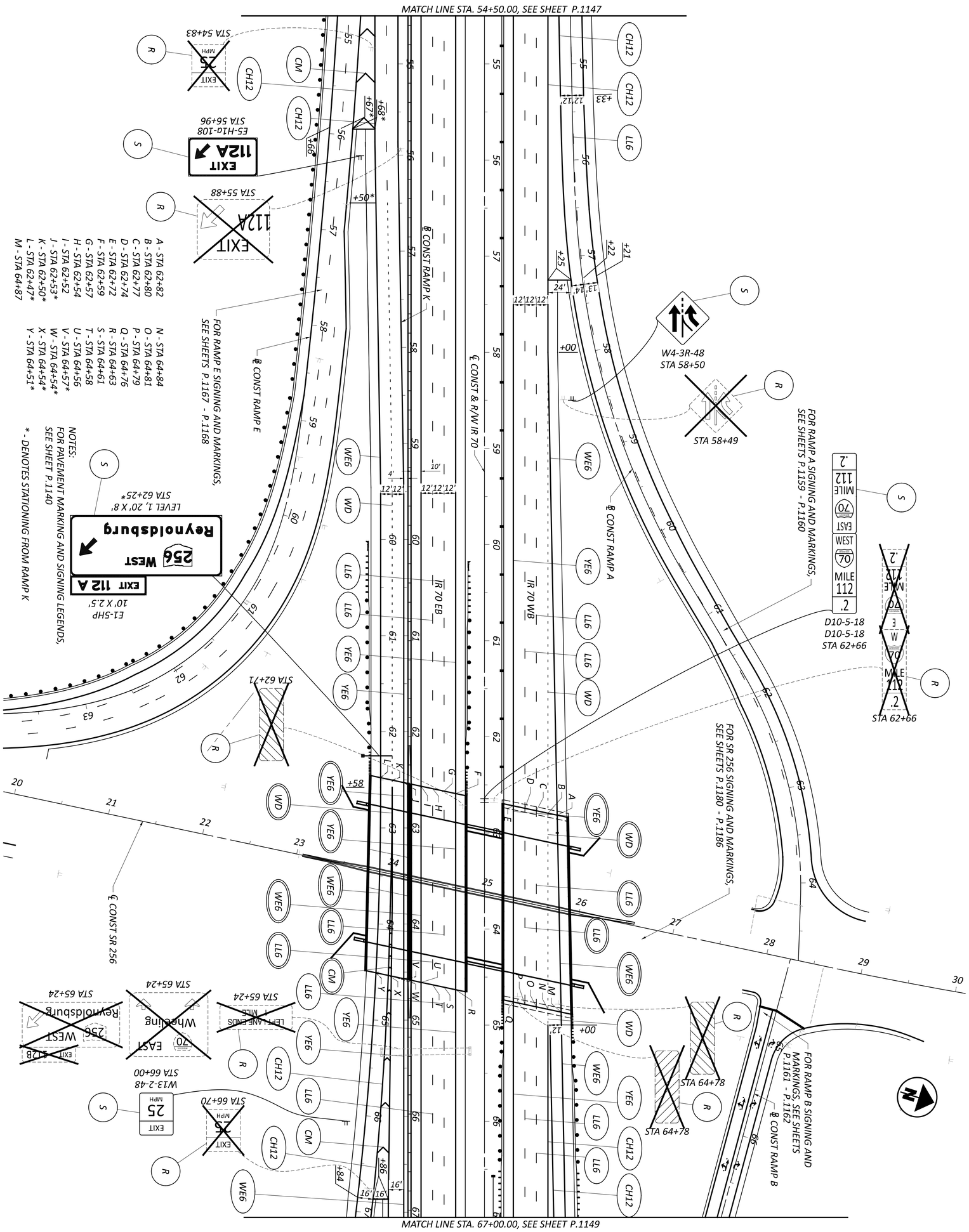

SHEET P.1148 | TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	TRAFFIC CONTROL PLAN - IR 70 STA. 54+50.00 TO STA. 67+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP109 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:55:08 AM USER: brieder
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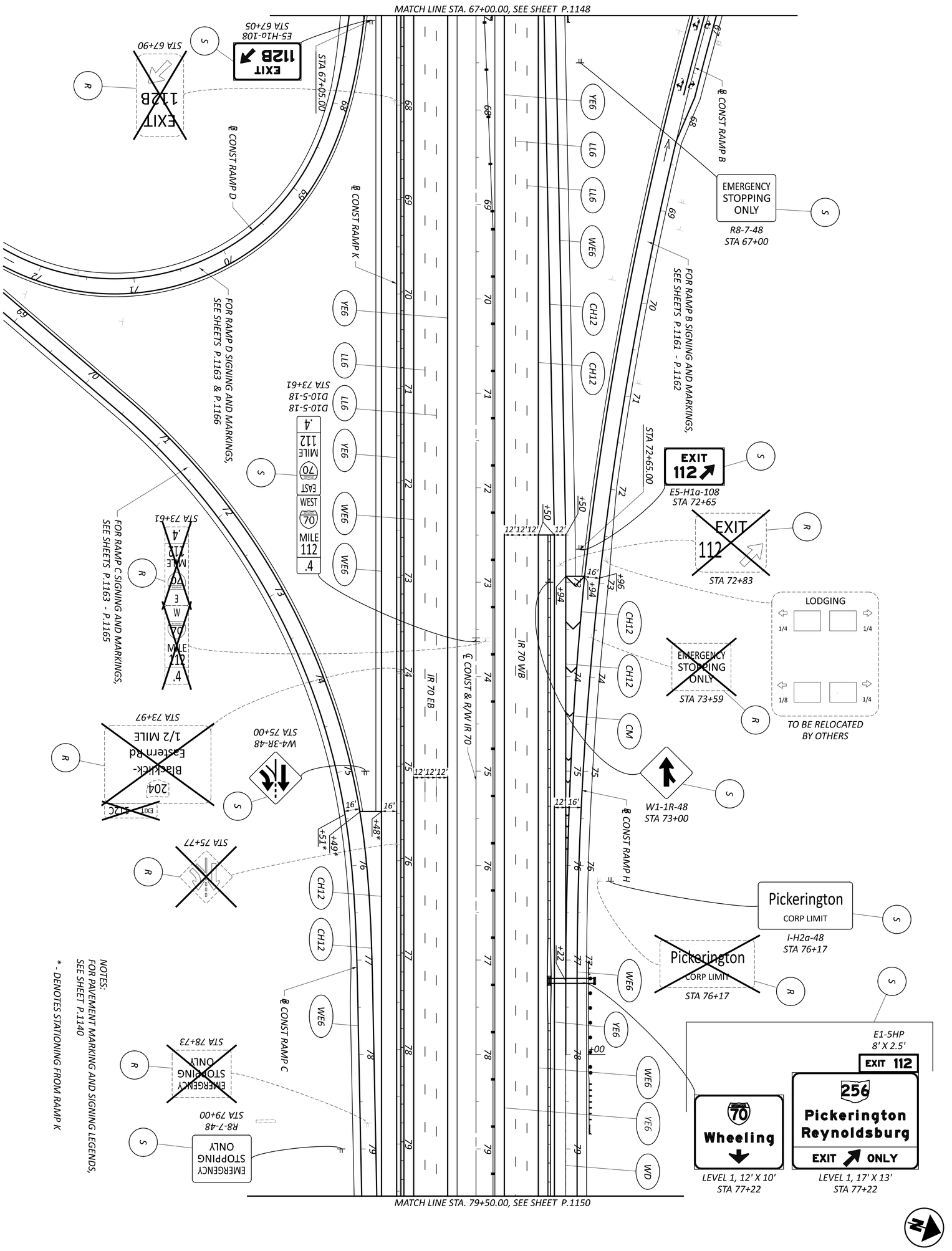

SHEET	TOTAL
P.1149	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 67+00.00 TO STA. 79+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP110 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:55:20 AM USER: brieder
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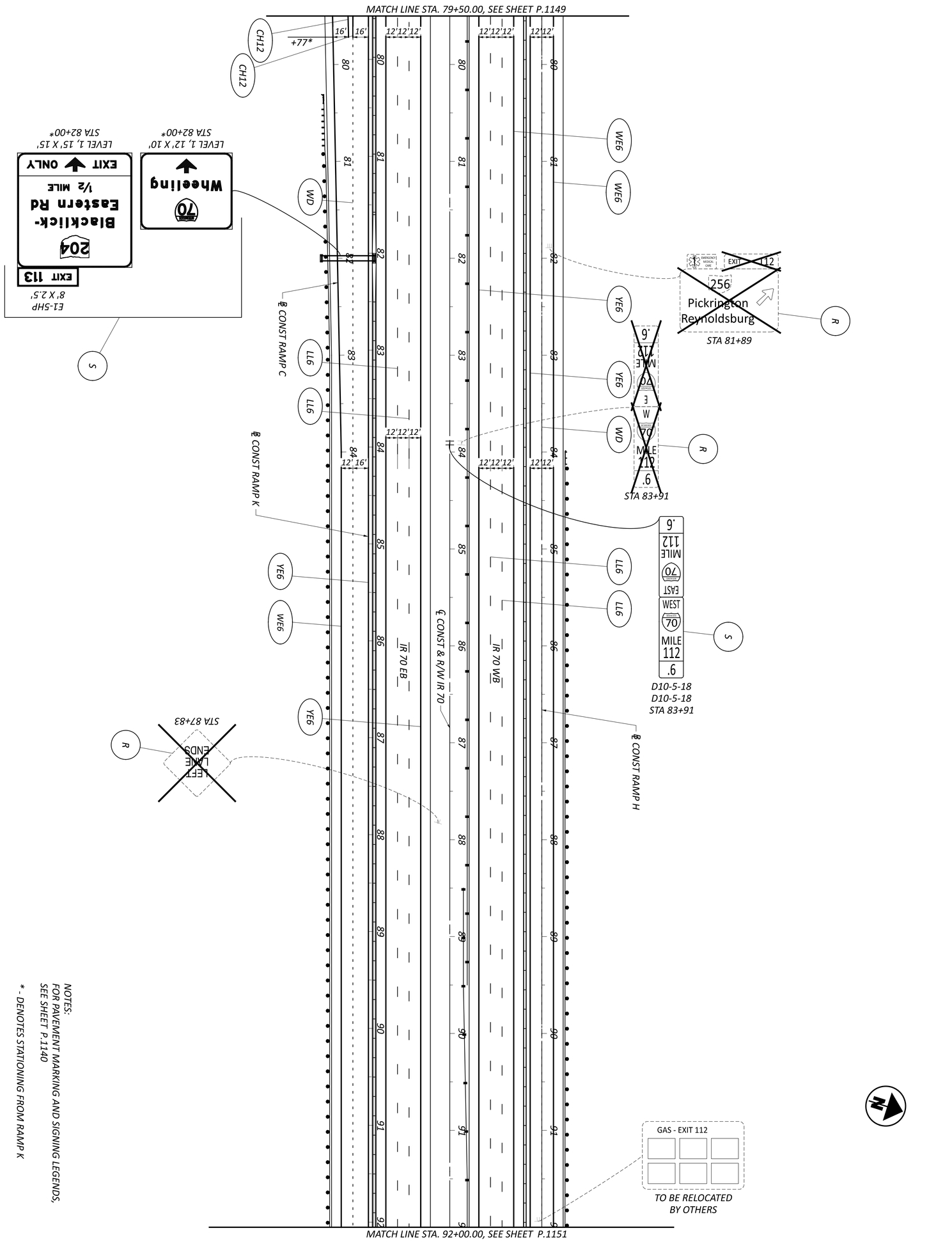

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

*_ DENOTES STATIONING FROM RAMP K

SHEET	TOTAL
P.1150	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 79+50.00 TO STA. 92+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP111 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:55:31 AM USER: brieder
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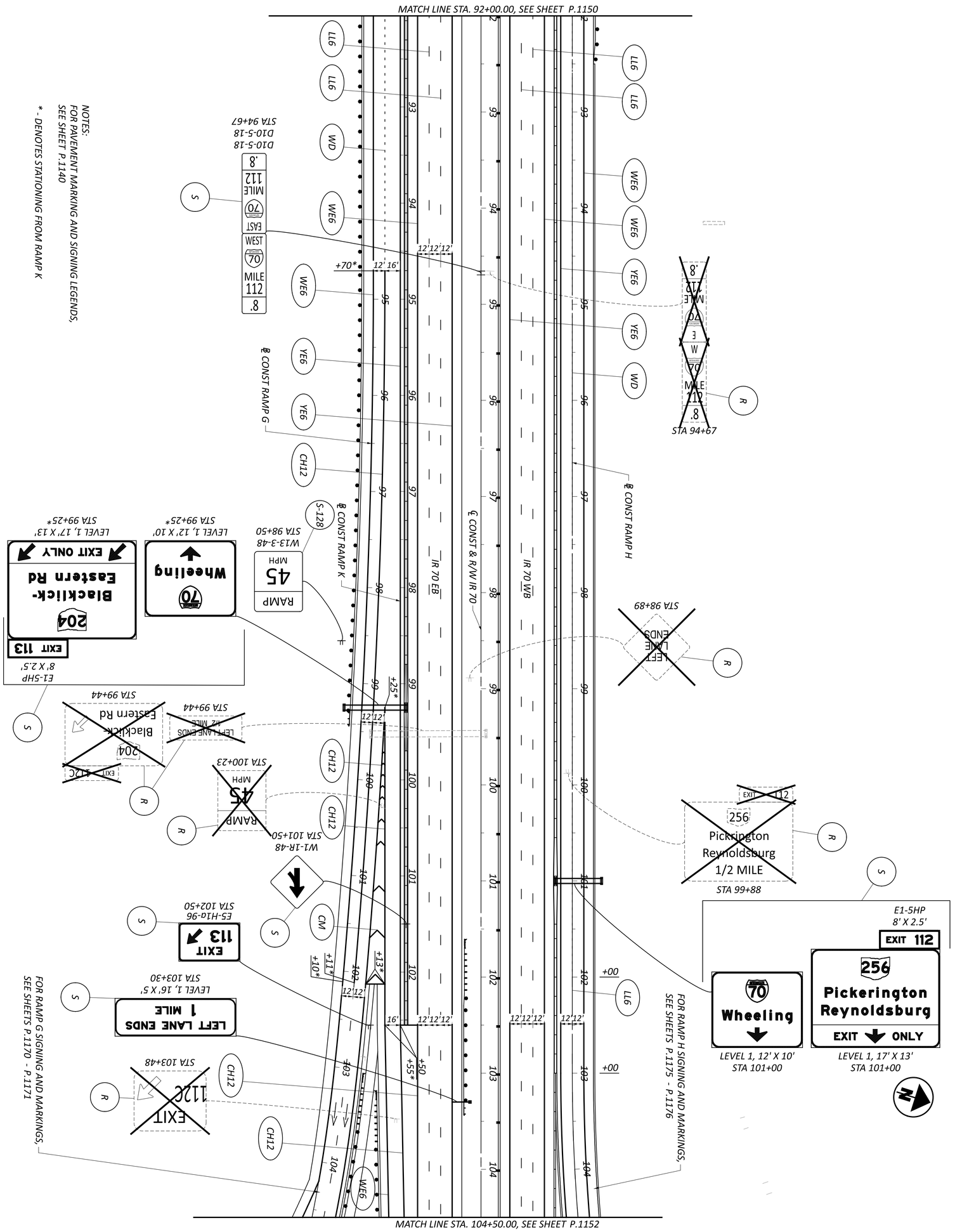


SHEET	TOTAL
P.1151	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

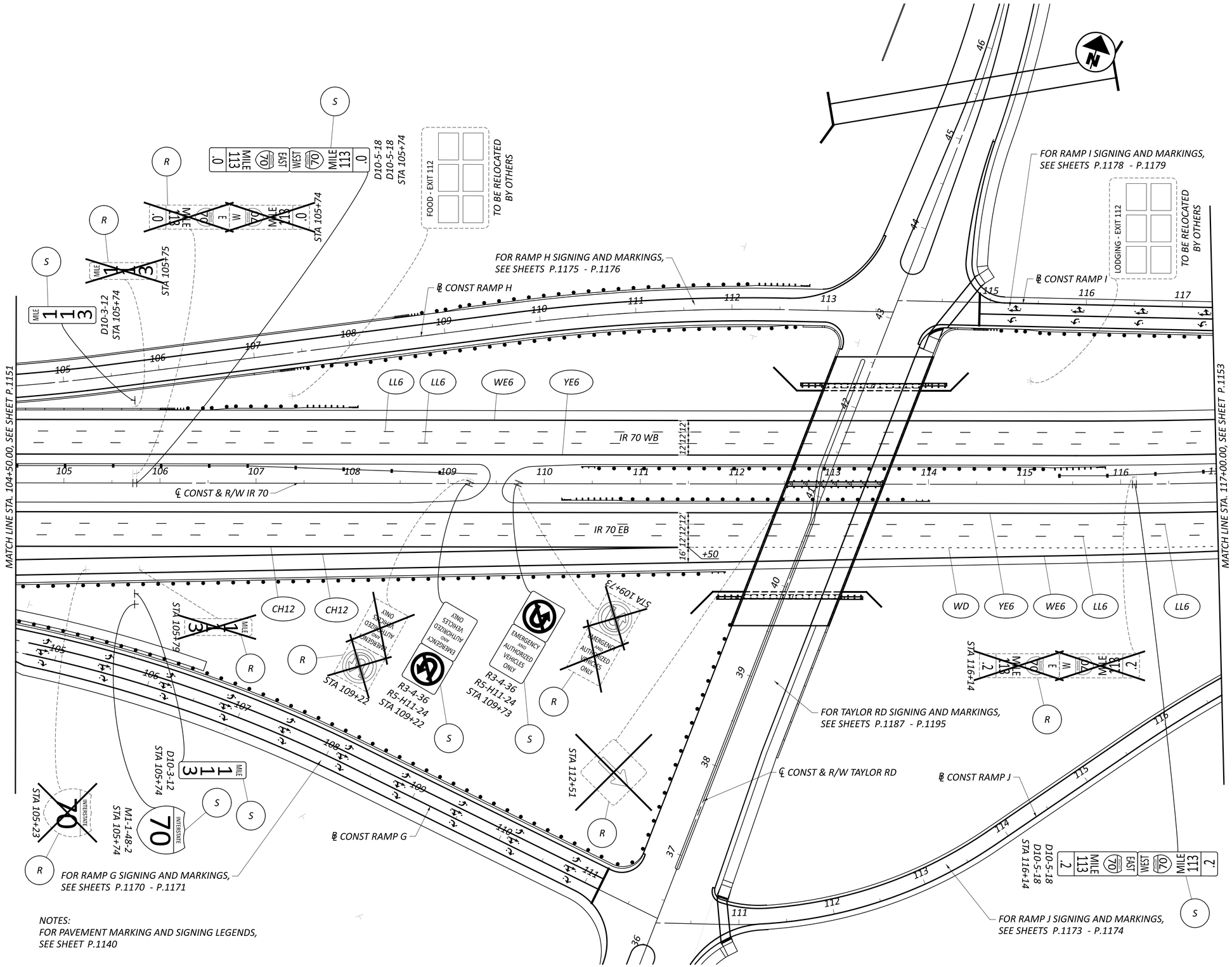
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 92+00.00 TO STA. 104+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200

TRAFFIC CONTROL PLAN - IR 70
STA. 104+50.00 TO STA. 117+00.00

HORIZONTAL SCALE IN FEET
0 50 100 200



FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_TP112 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:55:42 AM USER: brieder
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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	VDK 04/25/25
PROJECT ID	96808
SHEET	P.1152
TOTAL	P.1556

MODEL: 96808_TP113 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:55:54 AM USER: brieder
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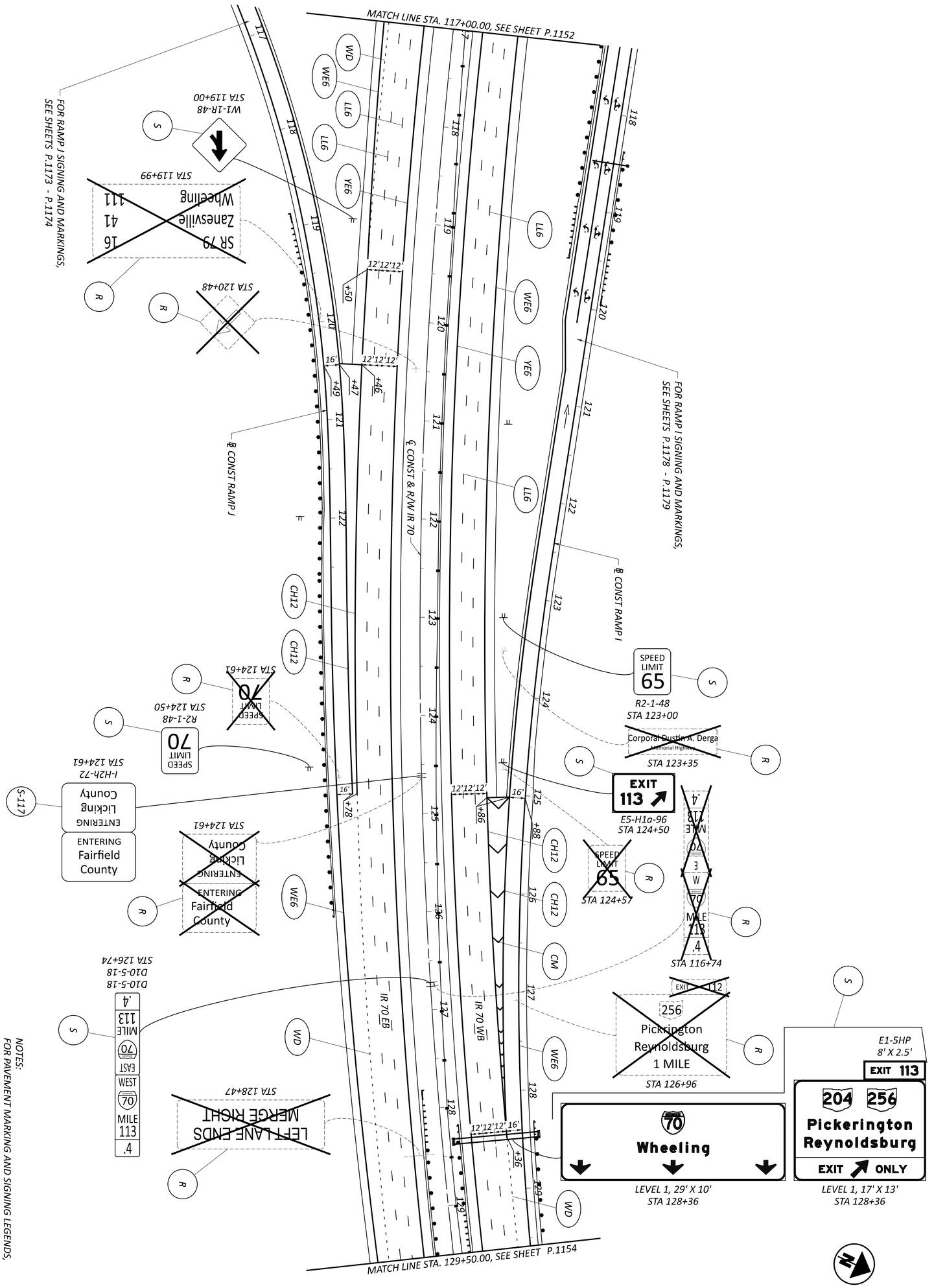

SHEET	TOTAL
P.1153	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 117+00.00 TO STA. 129+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP114 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:56:05 AM USER: brieder
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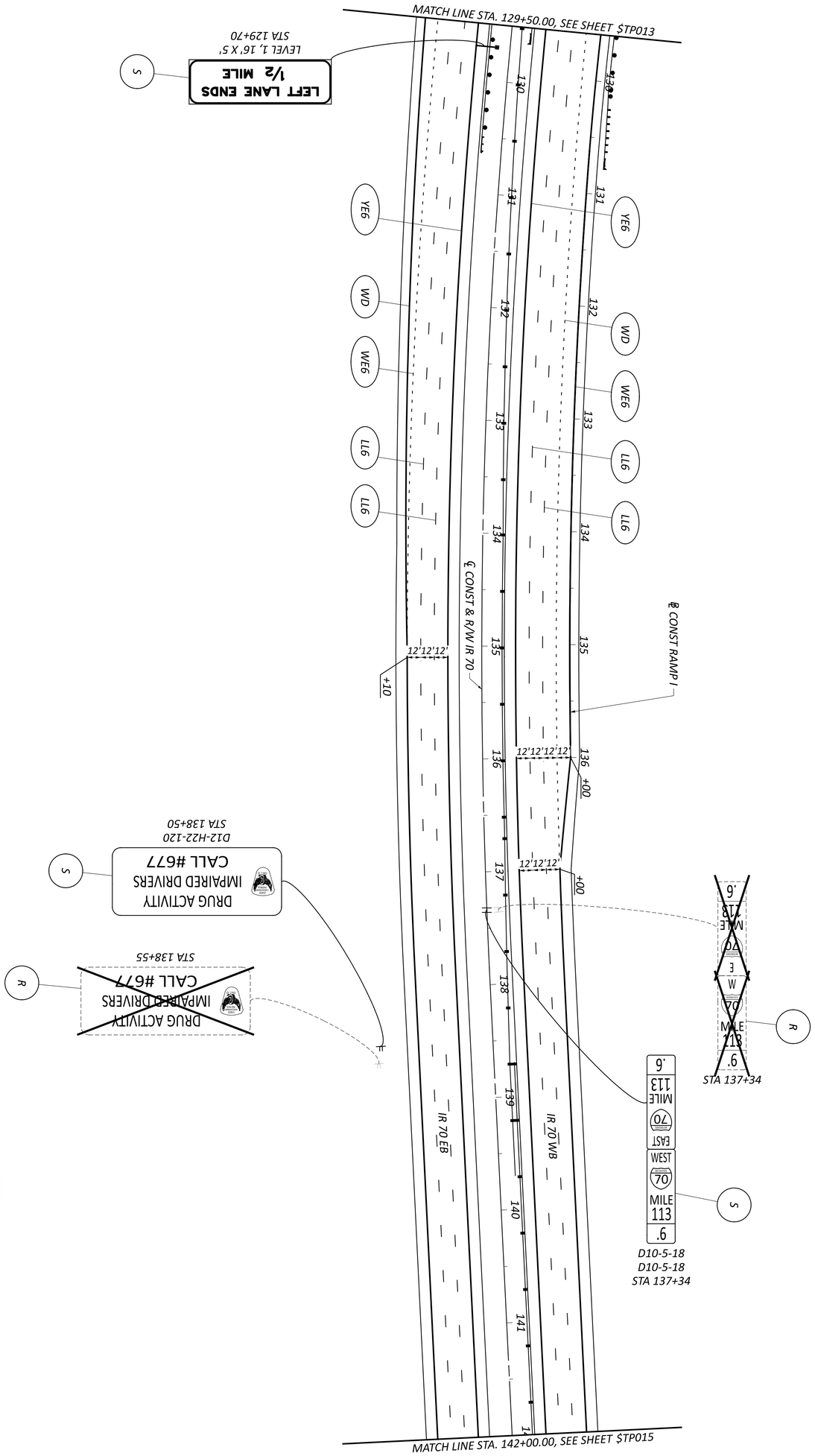

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1154	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 129+50.00 TO STA. 142+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP115 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:56:15 AM USER: brieder
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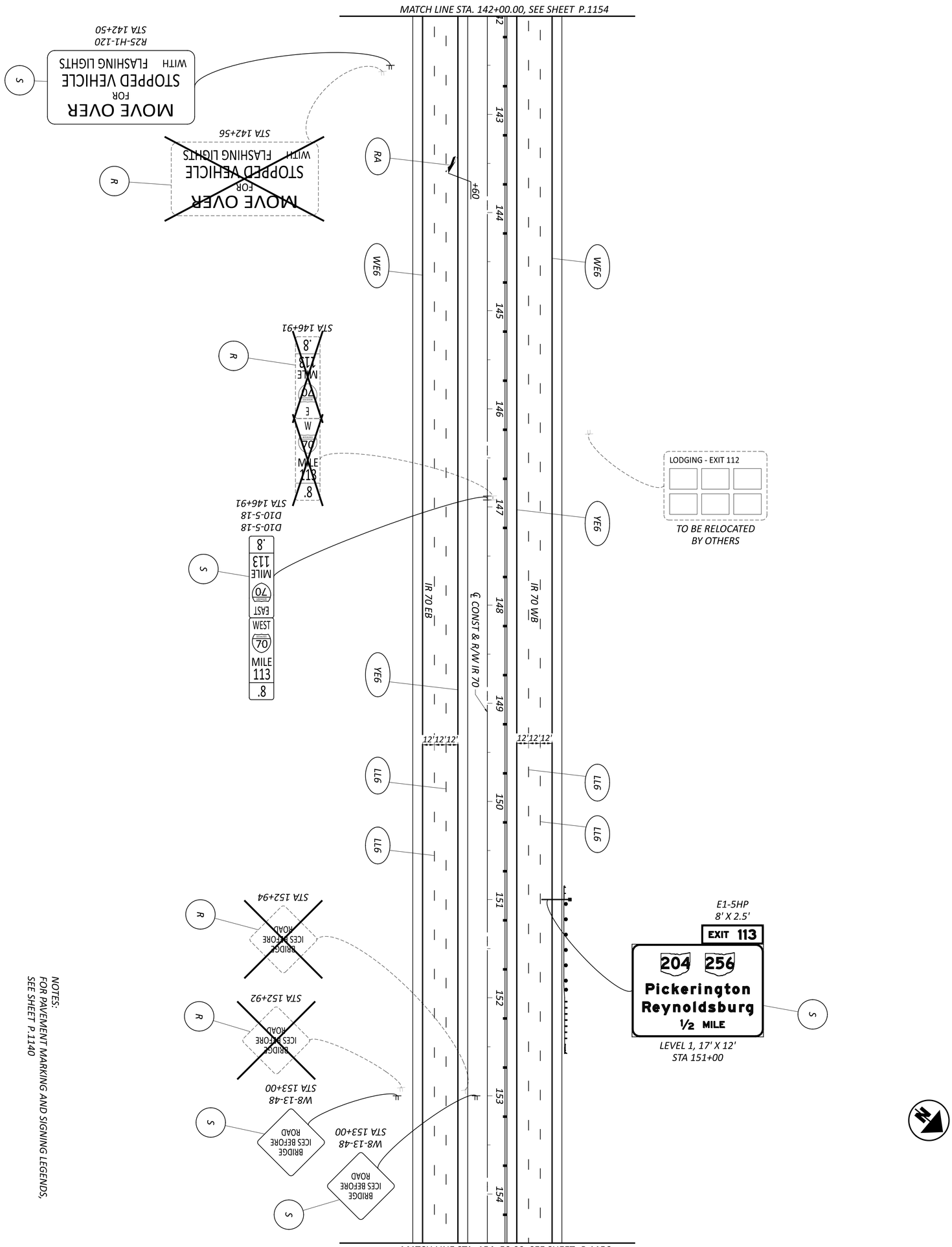

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1155	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 142+00.00 TO STA. 154+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP116 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:56:26 AM USER: brieder
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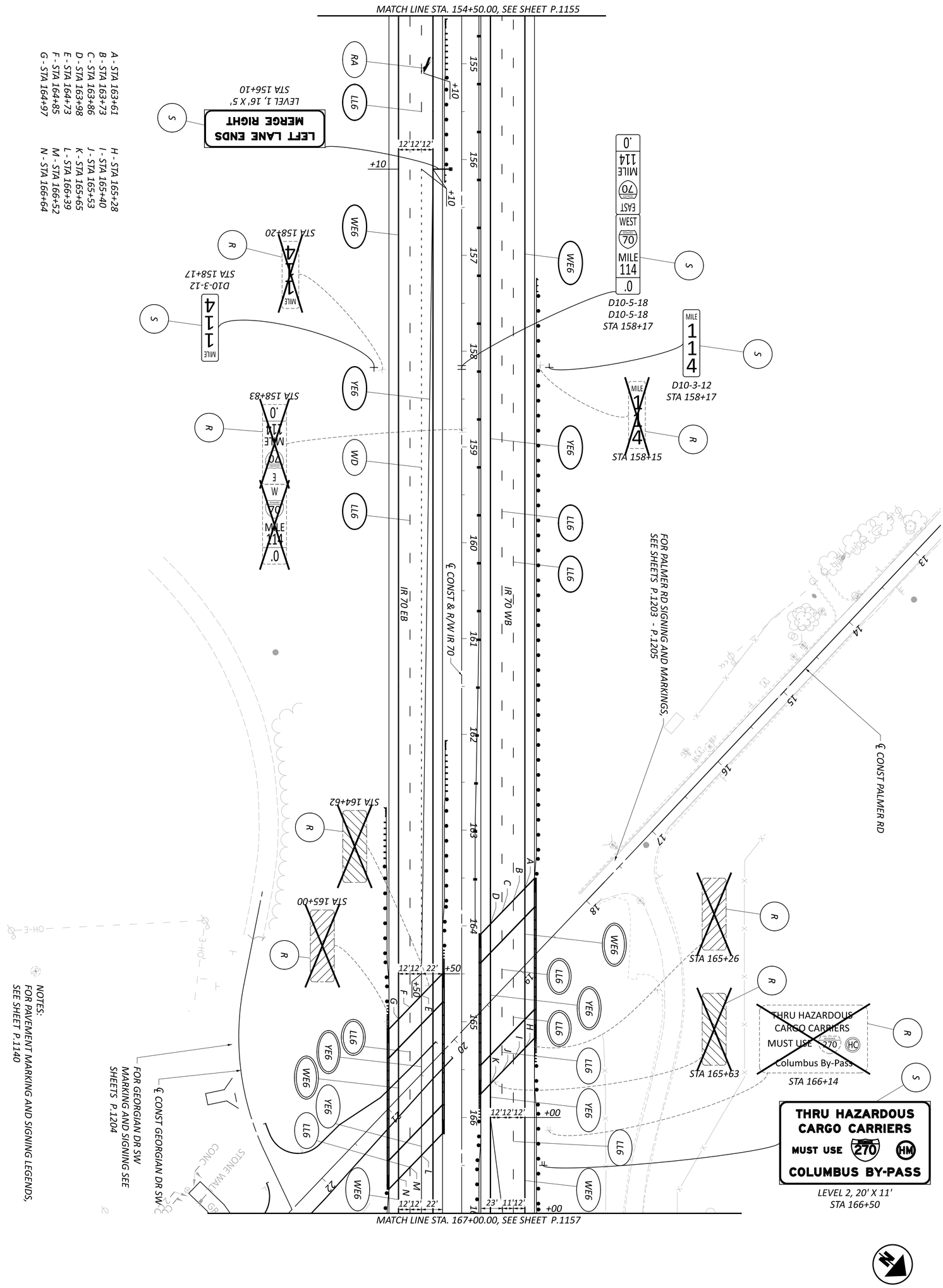

SHEET	TOTAL
P.1156	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 154+50.00 TO STA. 167+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP117 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:56:37 AM USER: brieder
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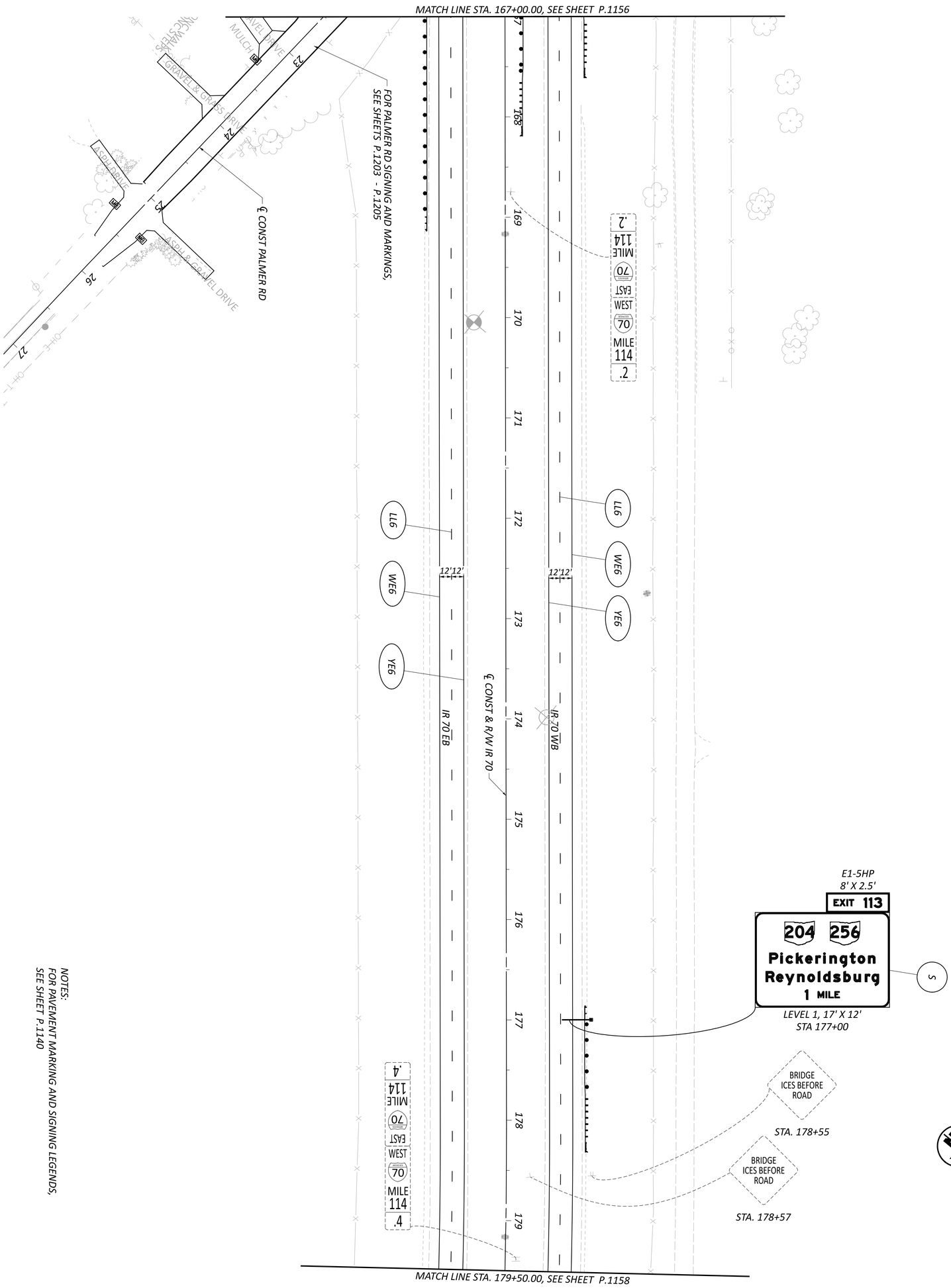
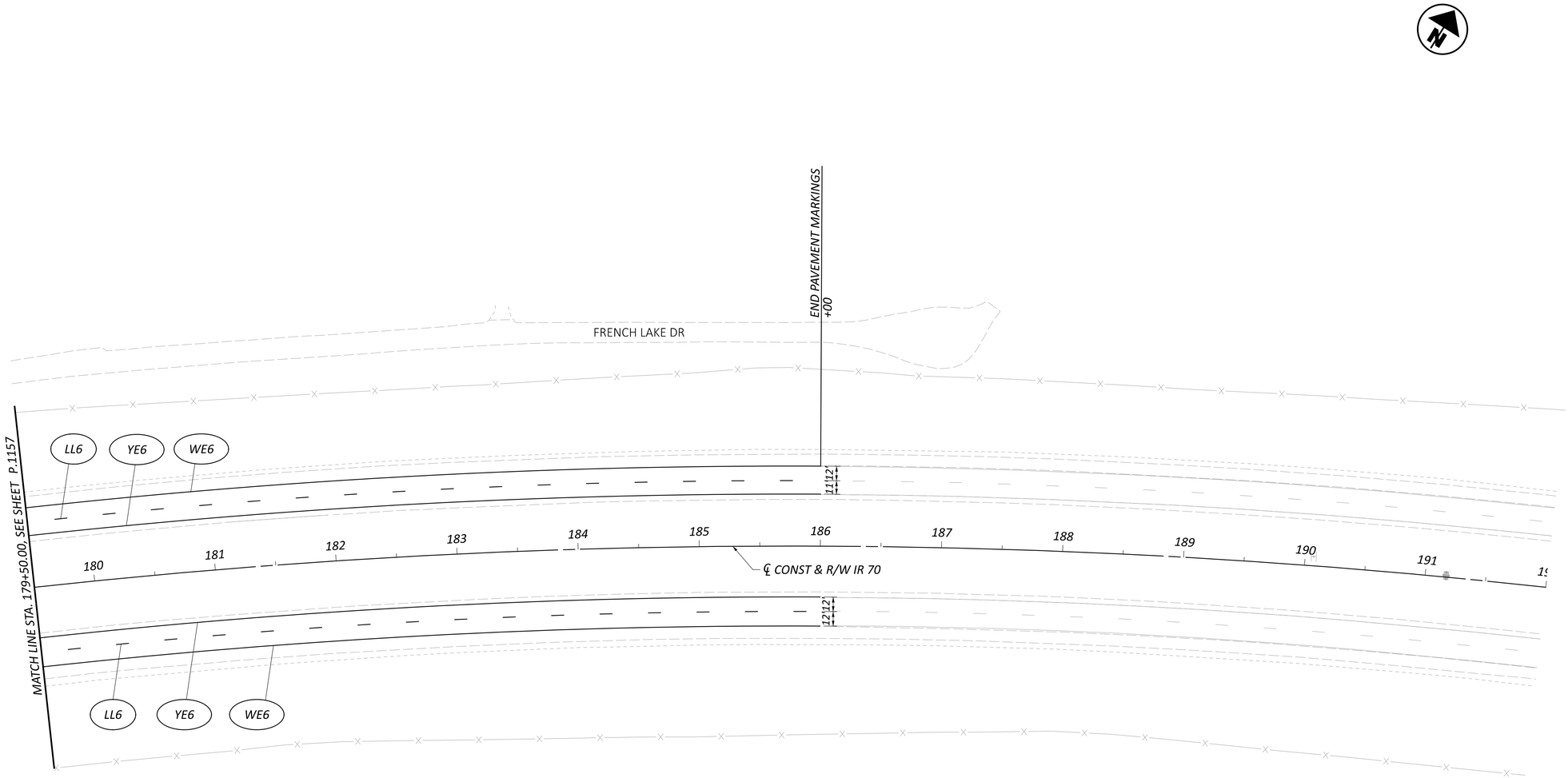


NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1157	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - IR 70
STA. 167+00.00 TO STA. 179+50.00

HORIZONTAL SCALE IN FEET
0 100
50 200



NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

HORIZONTAL SCALE IN FEET
0 50 100 200

TRAFFIC CONTROL PLAN - IR 70
STA. 179+50.00 TO STA. 192+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 04/25/25

PROJECT ID
96808

SHEET P.1158 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_TP118 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:56:48 AM USER: brieder
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MODEL: 96808_TP201 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:57:03 AM USER: brieder
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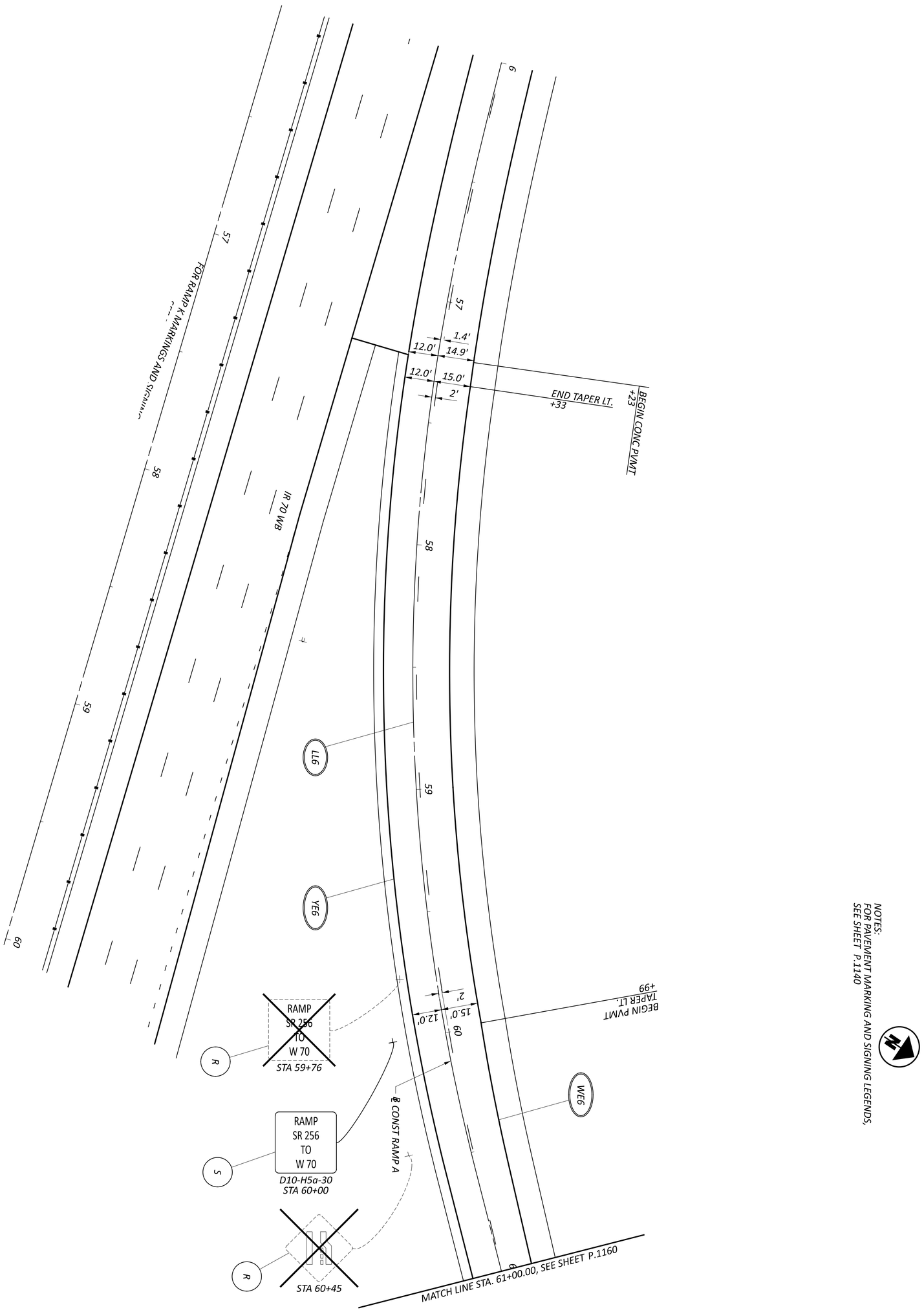

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1159	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP A
STA. 56+00.00 TO STA. 61+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP202 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:57:16 AM USER: brieder
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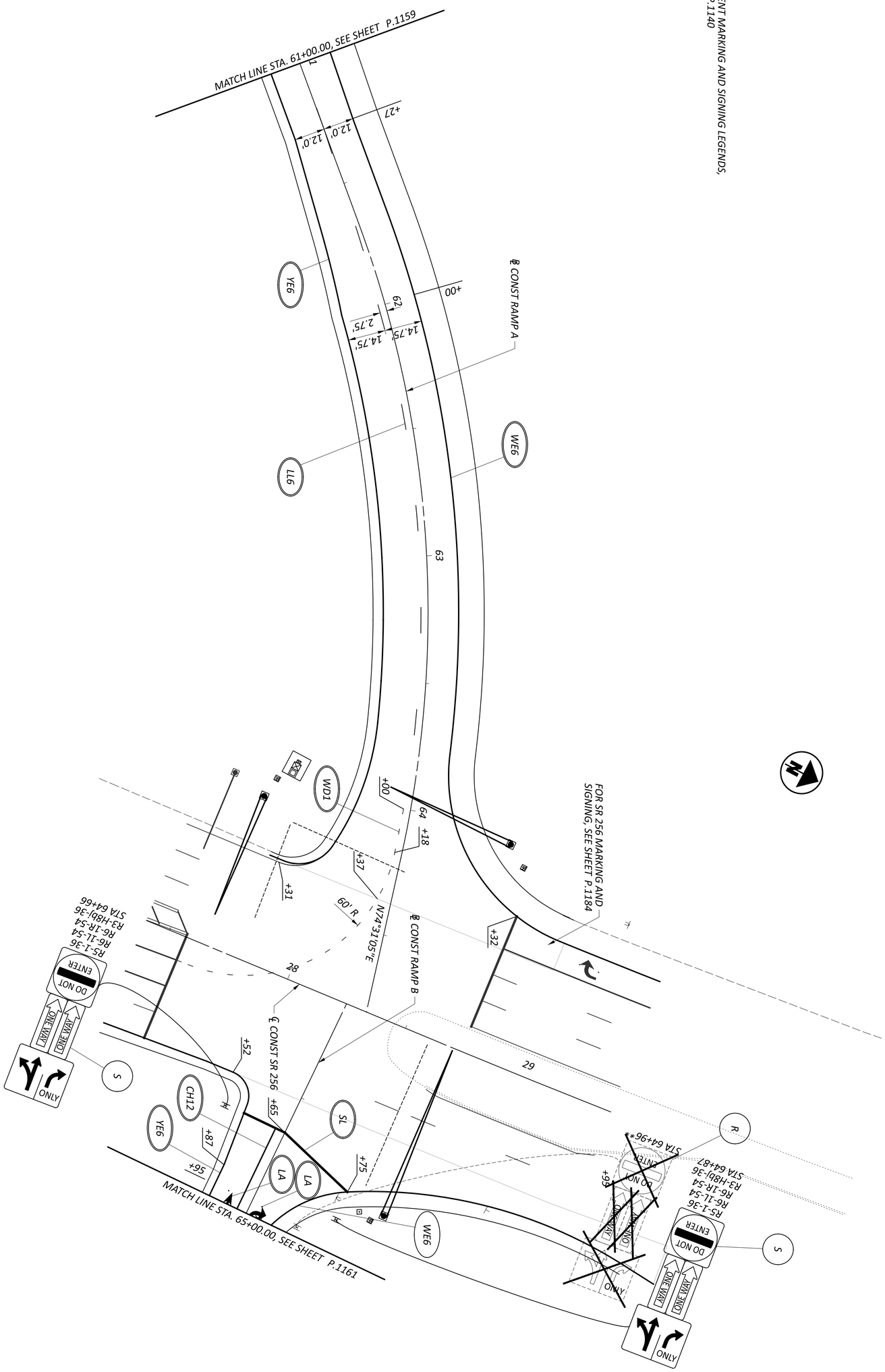

SHEET P.1160 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	TRAFFIC CONTROL PLAN - RAMP A & RAMP B STA. 61+00.00 TO STA. 64+80.85 & STA. 64+09.09 TO STA. 65+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP203 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:57:31 AM USER: brieder
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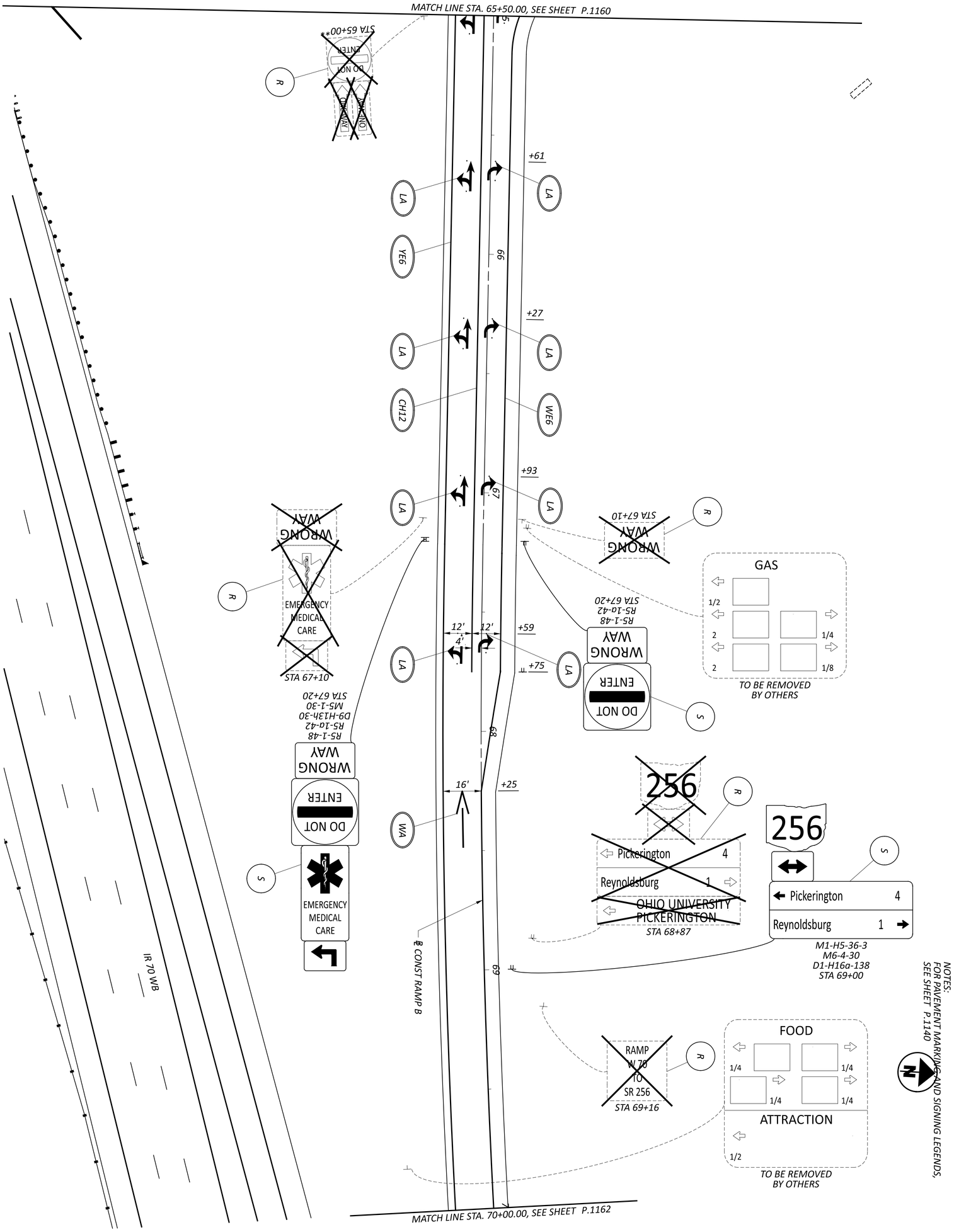

SHEET	TOTAL
P.1161	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP B
STA. 65+50.00 TO STA. 70+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP204 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:57:44 AM USER: brieder
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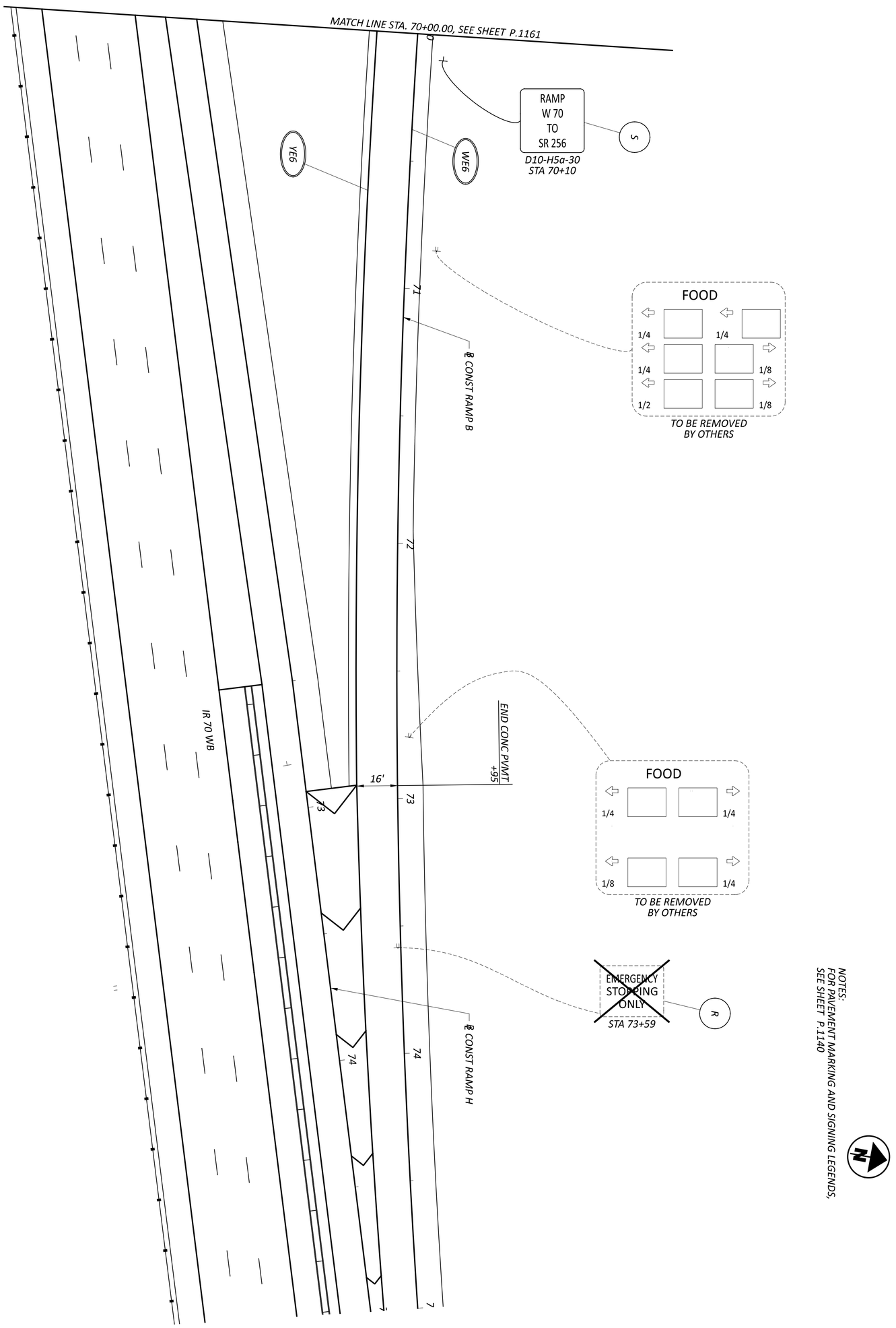

SHEET	TOTAL
P.1162	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP B
STA. 70+00.00 TO STA. 75+00.00

HORIZONTAL SCALE IN FEET

0 20

10 40

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_TP205 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:57:56 AM USER: brieder
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HORIZONTAL SCALE IN FEET
0 10 20 40

FOR SR 256 MARKING AND SIGNING, SEE SHEET P.1182

℄ CONST SR 256

℄ CONST RAMP D

℄ CONST RAMP C

MATCH LINE STA. 66+00.00, SEE SHEET P.1164

R5-1-36
R6-1L-54
R6-1R-54
R3-H8bf-36
STA 79+00

STA 78+67

R5-1-48
R5-1a-42
STA 76+75

STA 76+73

TO BE REMOVED BY OTHERS

STA 75+56

R10-H5a-30
R6-1R-54
STA 75+57

R4-7-36
STA 61+13

R5-1-48
R5-1a-42
STA 76+75

RAMP
SR 256
TO
E 70
D10-H5a-30
STA 65+50

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS SEE SHEET P.1140

* - DENOTES STATIONING FROM RAMP D

TRAFFIC CONTROL PLAN - RAMP C
STA. 60+28.84 TO STA. 66+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	VDK 04/25/25
PROJECT ID	96808
SHEET	P.1163
TOTAL	P.1556

MODEL: 96808_TP206 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:58:08 AM USER: brieder
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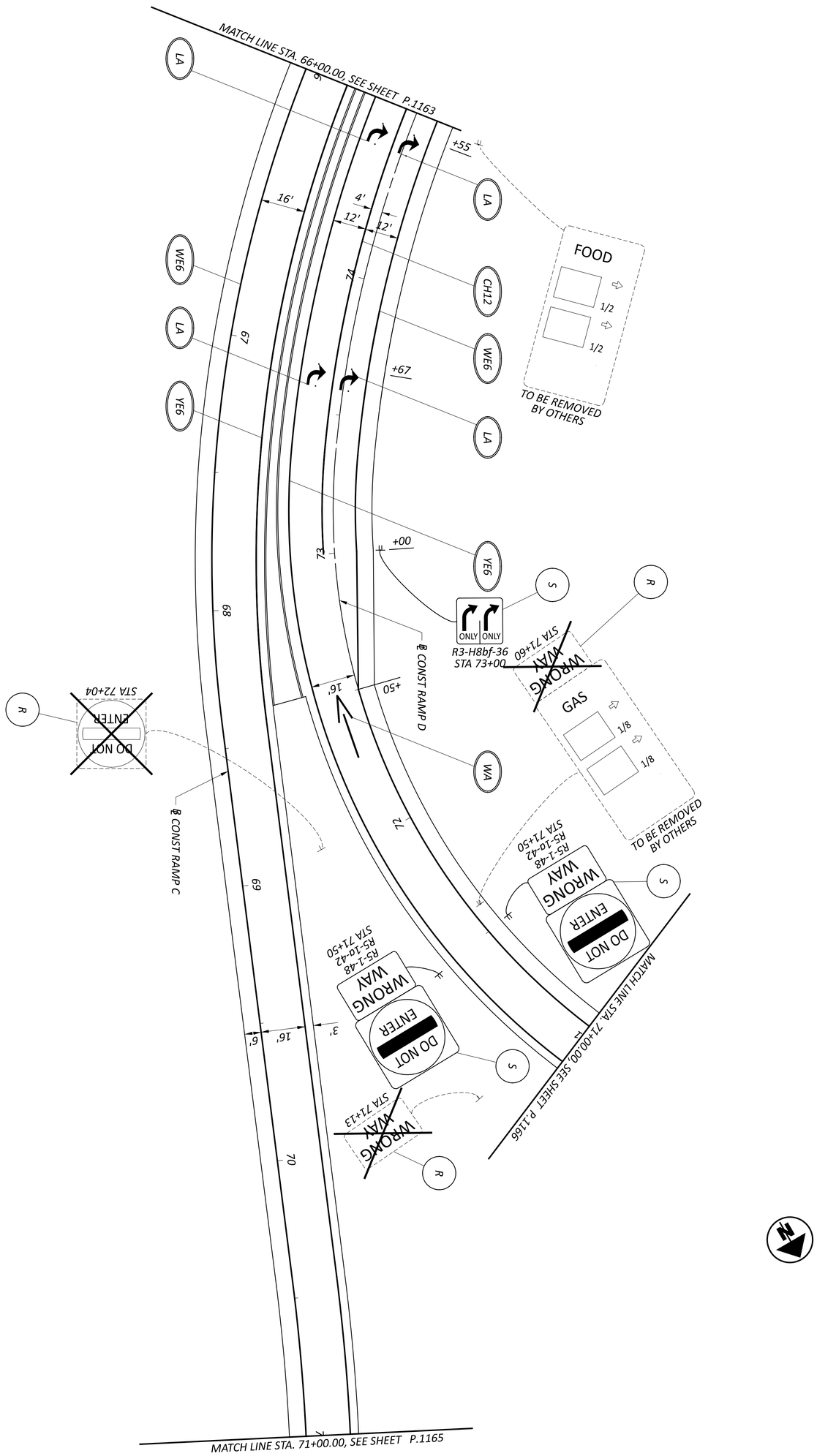

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1164	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP C
STA. 66+00.00 TO STA. 71+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP207 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:58:22 AM USER: brieder
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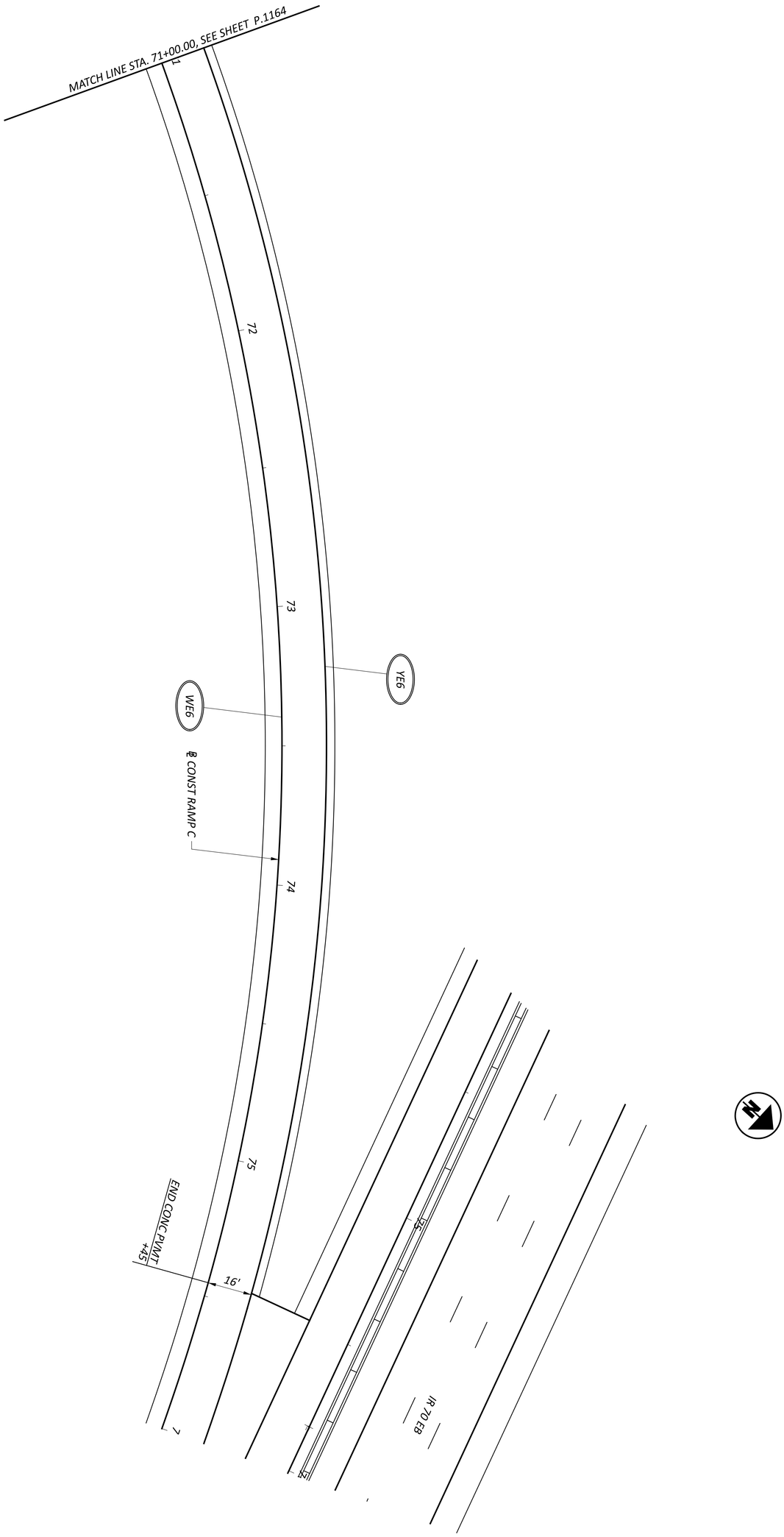

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

TRAFFIC CONTROL PLAN - RAMP C
STA. 71+00.00 TO STA. 76+00.00

HORIZONTAL
SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.1165	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP208 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:58:35 AM USER: brieder
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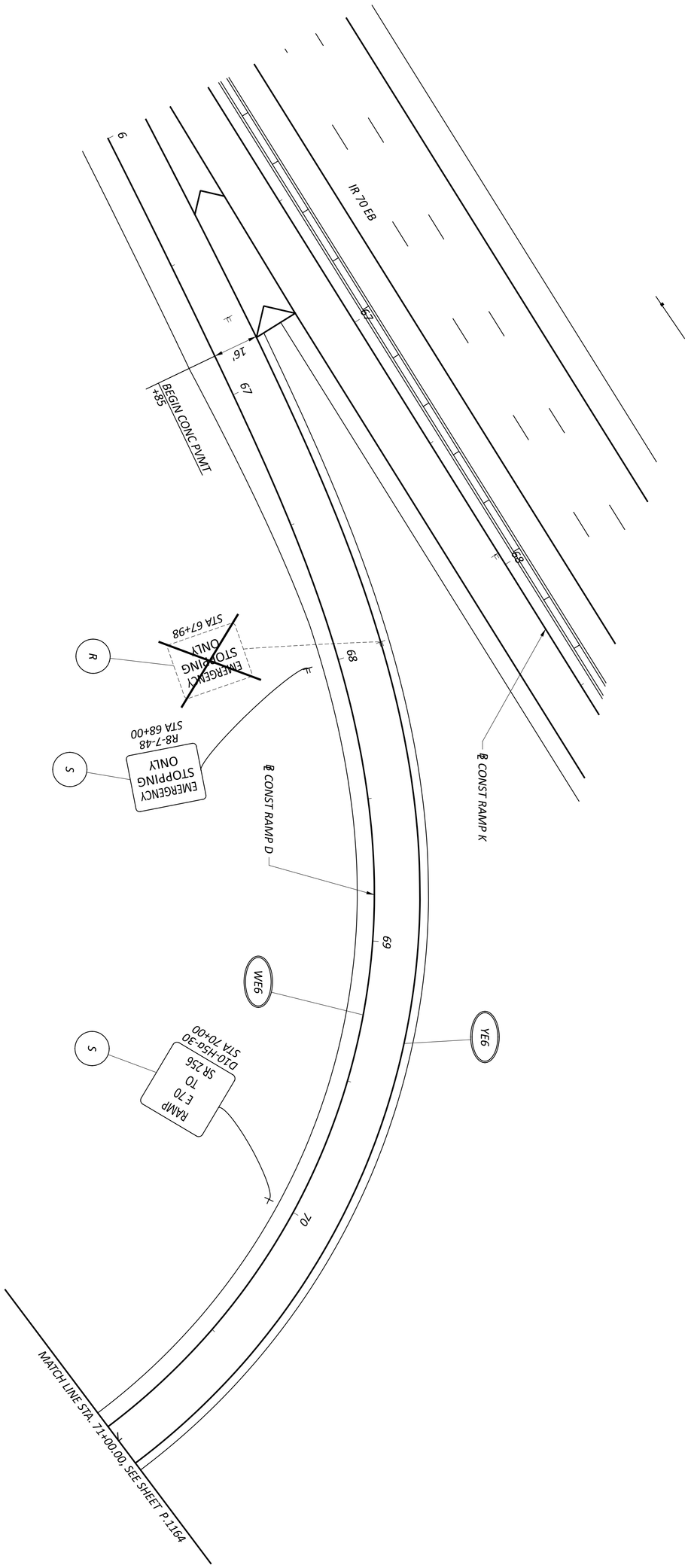

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - RAMP D
STA. 66+00.00 TO STA. 71+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1166	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP209 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:58:48 AM USER: brieder
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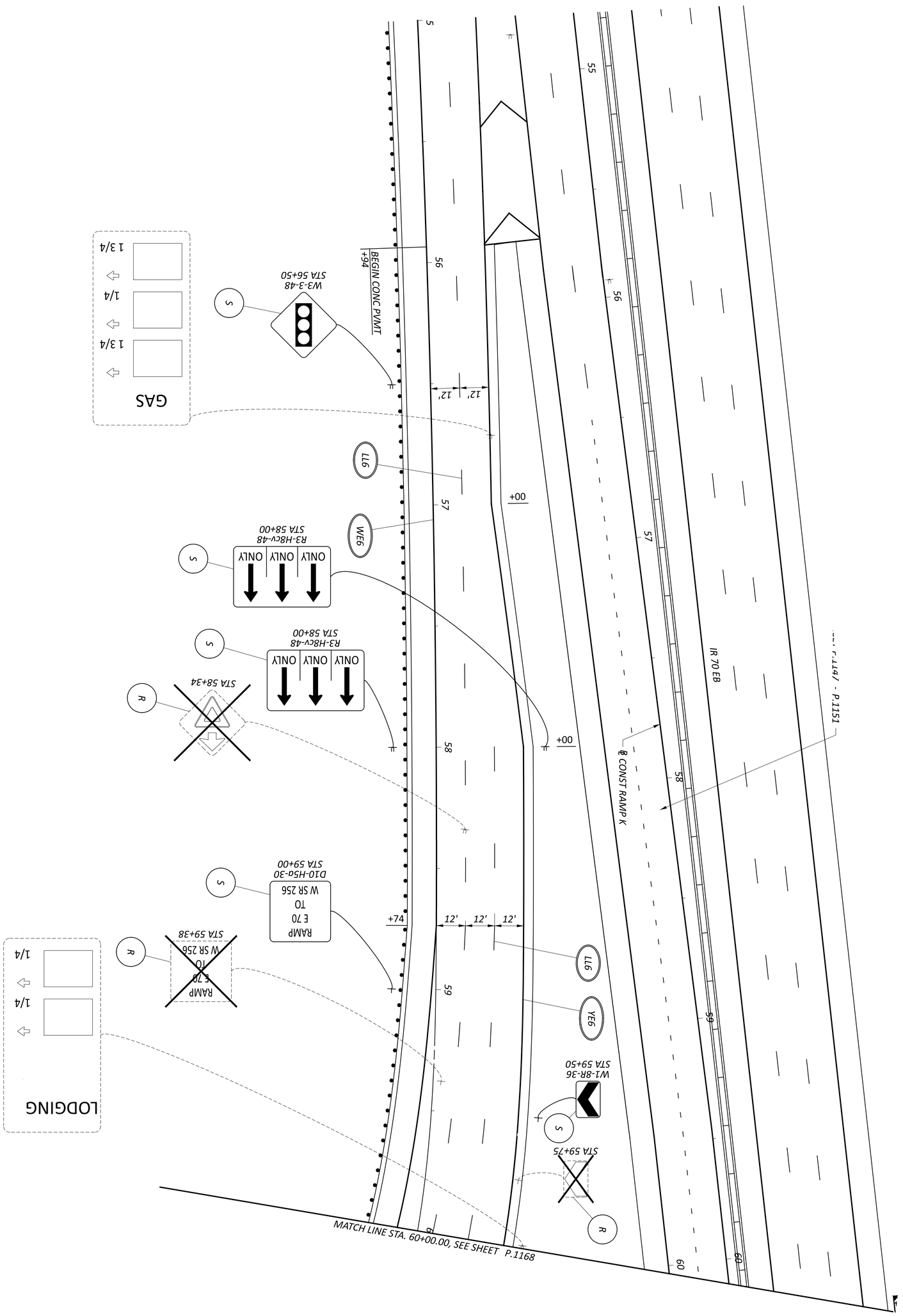

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - RAMP E
STA. 55+00.00 TO STA. 65+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1167	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP210 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:59:01 AM USER: brieder
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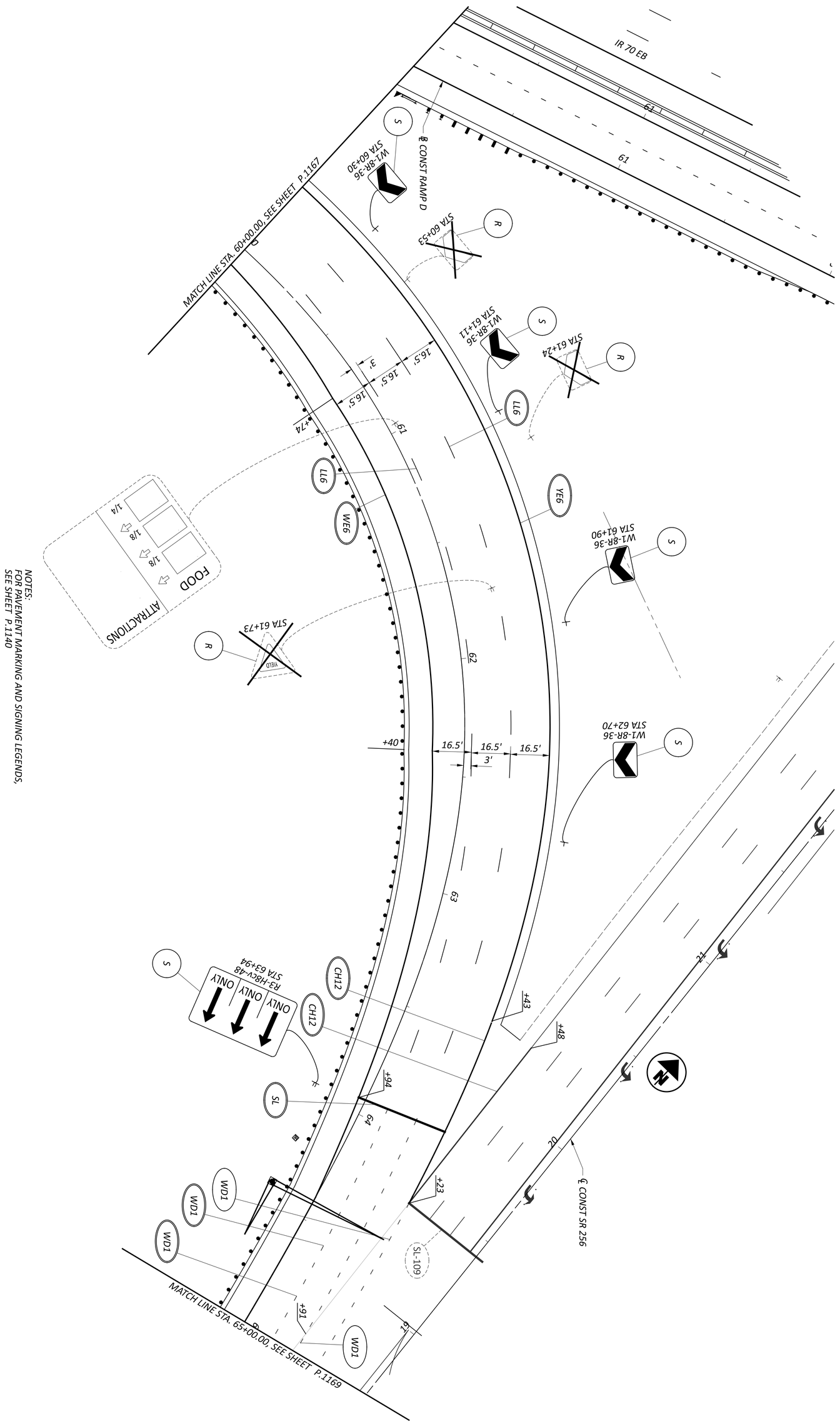


SHEET	TOTAL
P.1168	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

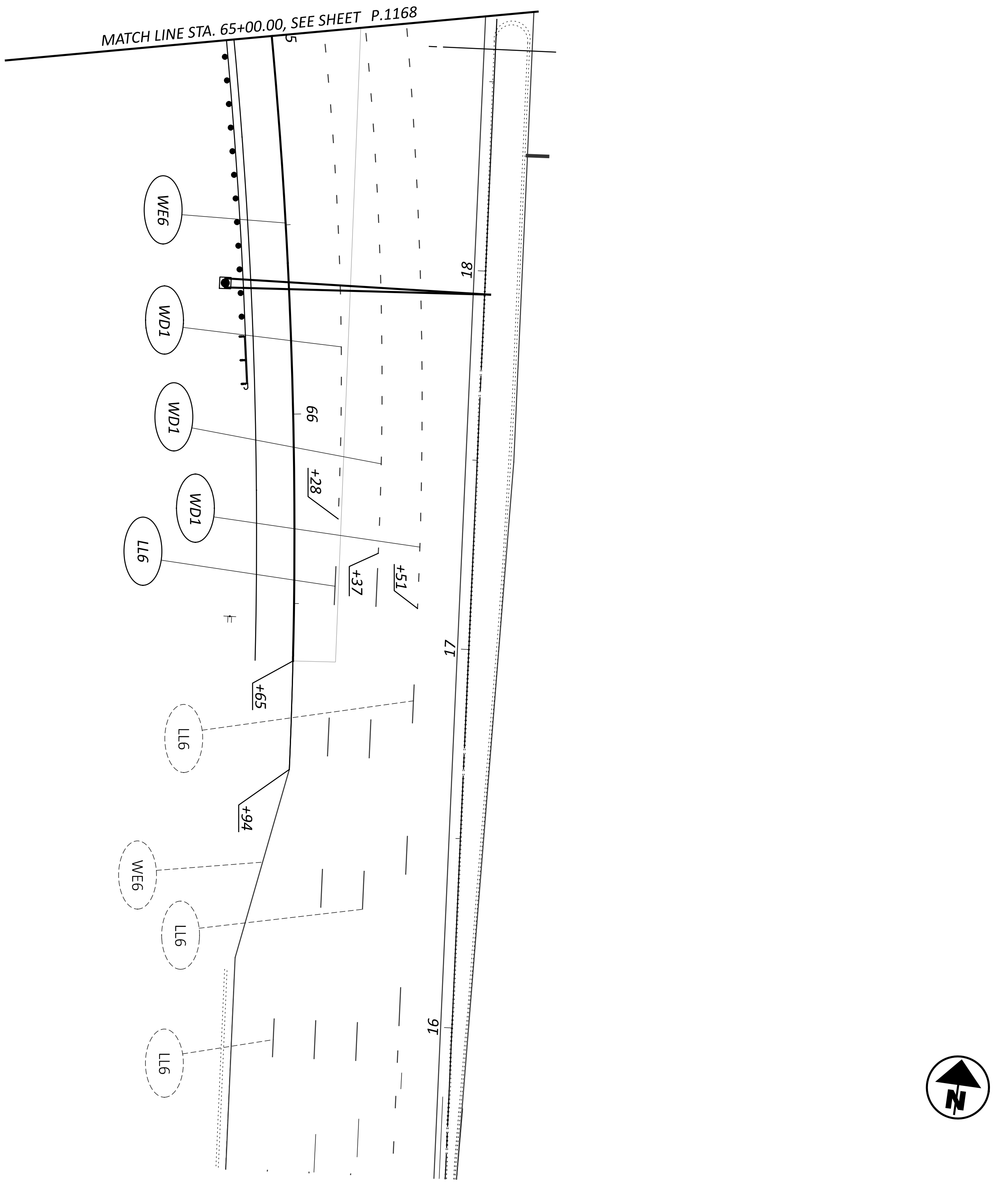
DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP E
STA. 60+00.00 TO STA. 63+00.00

HORIZONTAL SCALE IN FEET

0 20
10 40



SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1169	P.1556	96808	KAM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP E
STA. 65+00.00 TO STA. 66+93.83

HORIZONTAL SCALE IN FEET
0 10 20 40

MODEL: 96808_TP211 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:59:29 AM USER: brieder
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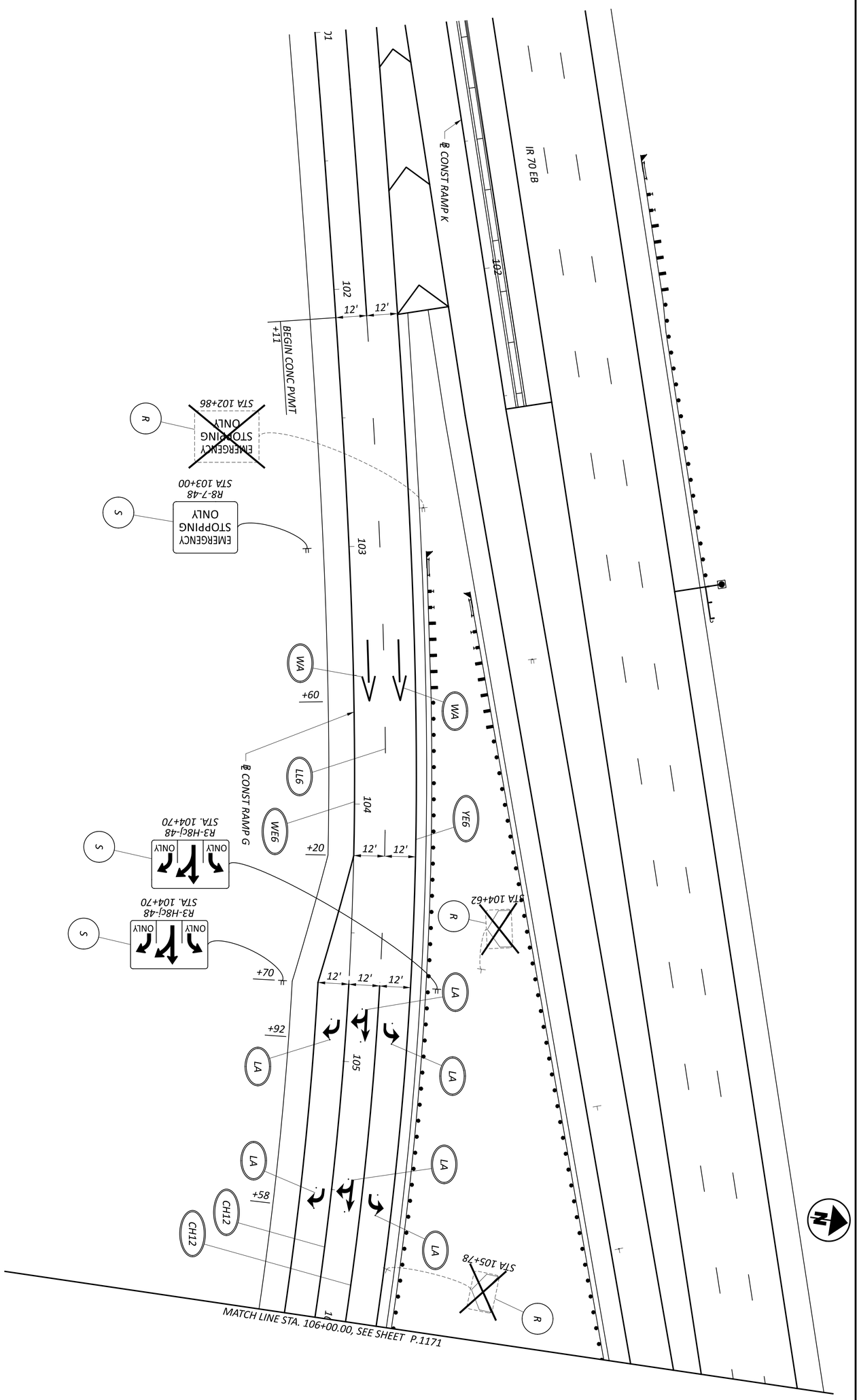

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1170	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP G
STA. 101+00.00 TO STA. 106+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP212 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:59:42 AM USER: brieder
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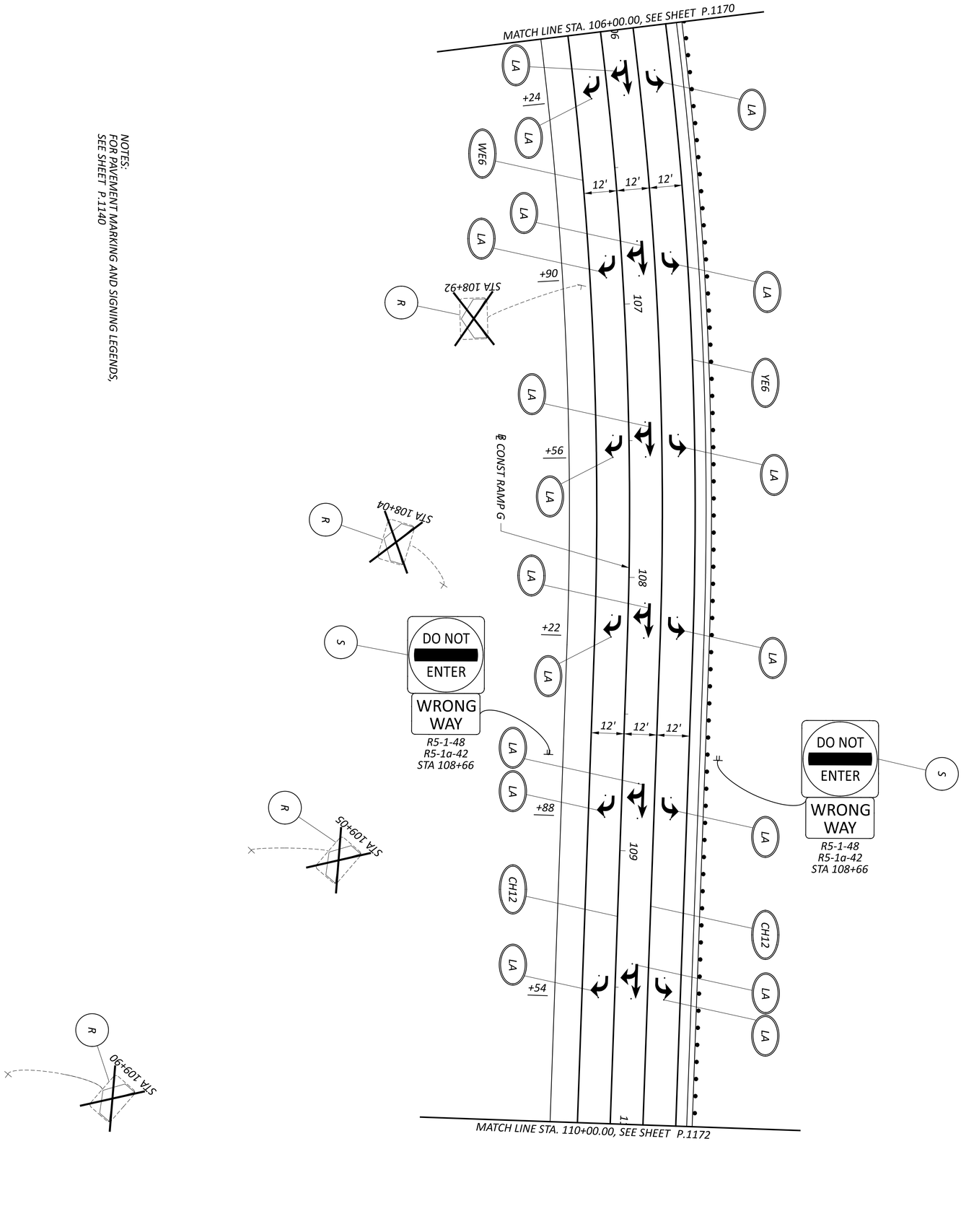

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1171	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP G
STA. 106+00.00 TO STA. 110+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: BLP_R070G - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 6:59:54 AM USER: brieder
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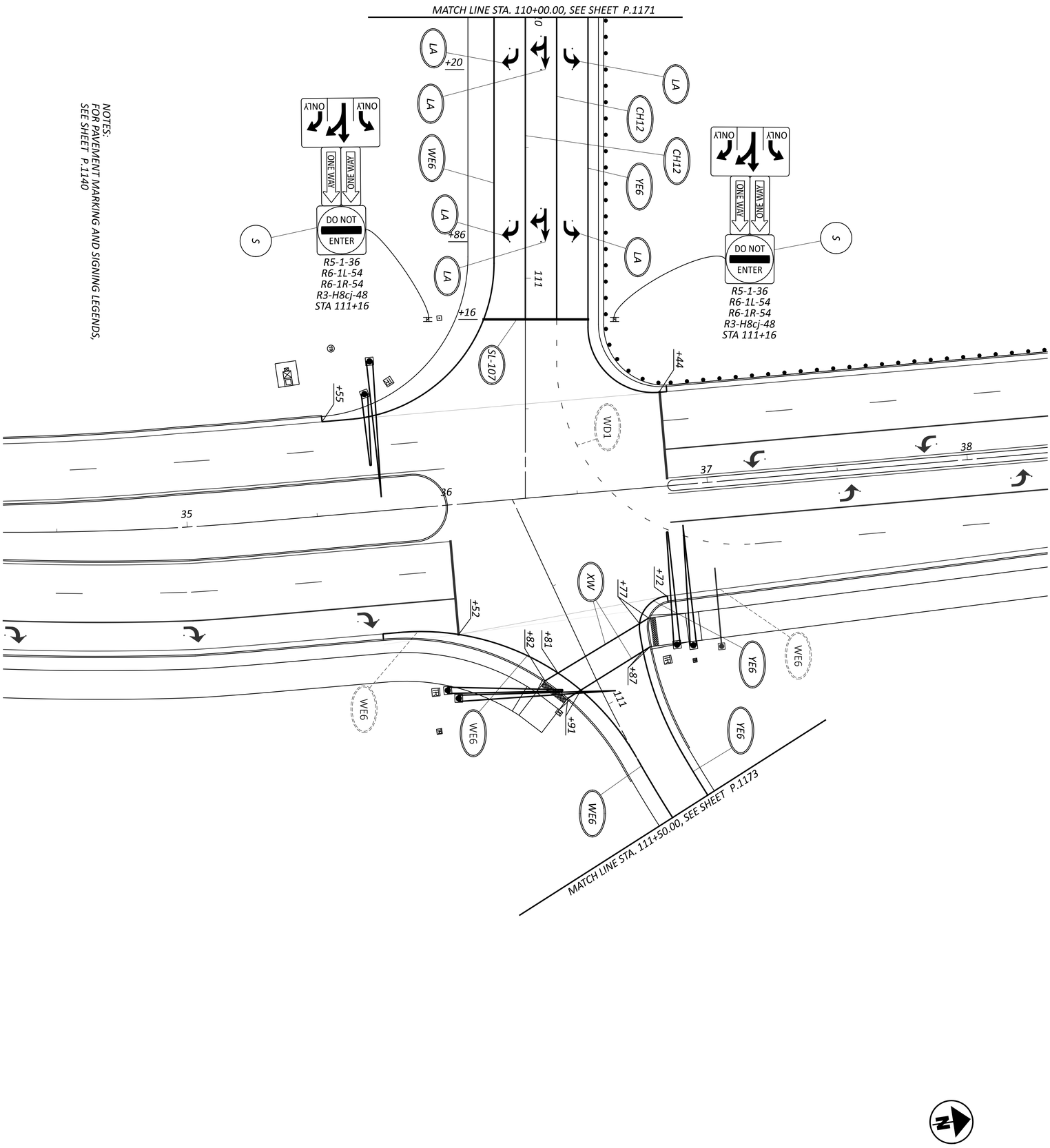

SHEET	TOTAL
P.1172	P.1556

PROJECT ID: 96808

REVIEWER: KAM 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP G & RAMP J
STA. 110+00.00 TO STA. 111+84.30 & STA. 110+13.40 TO STA. 111+50.00

HORIZONTAL SCALE IN FEET

0 20

10 40

MODEL: 96808_TP217 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:00:09 AM USER: brieder
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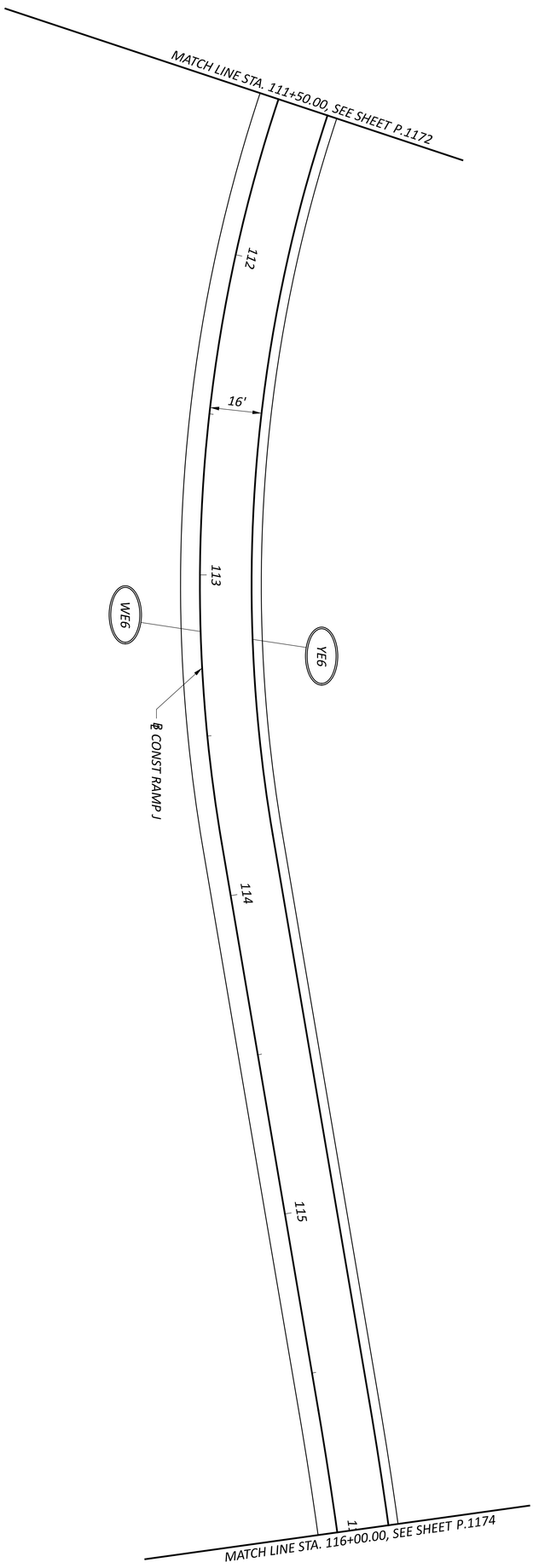


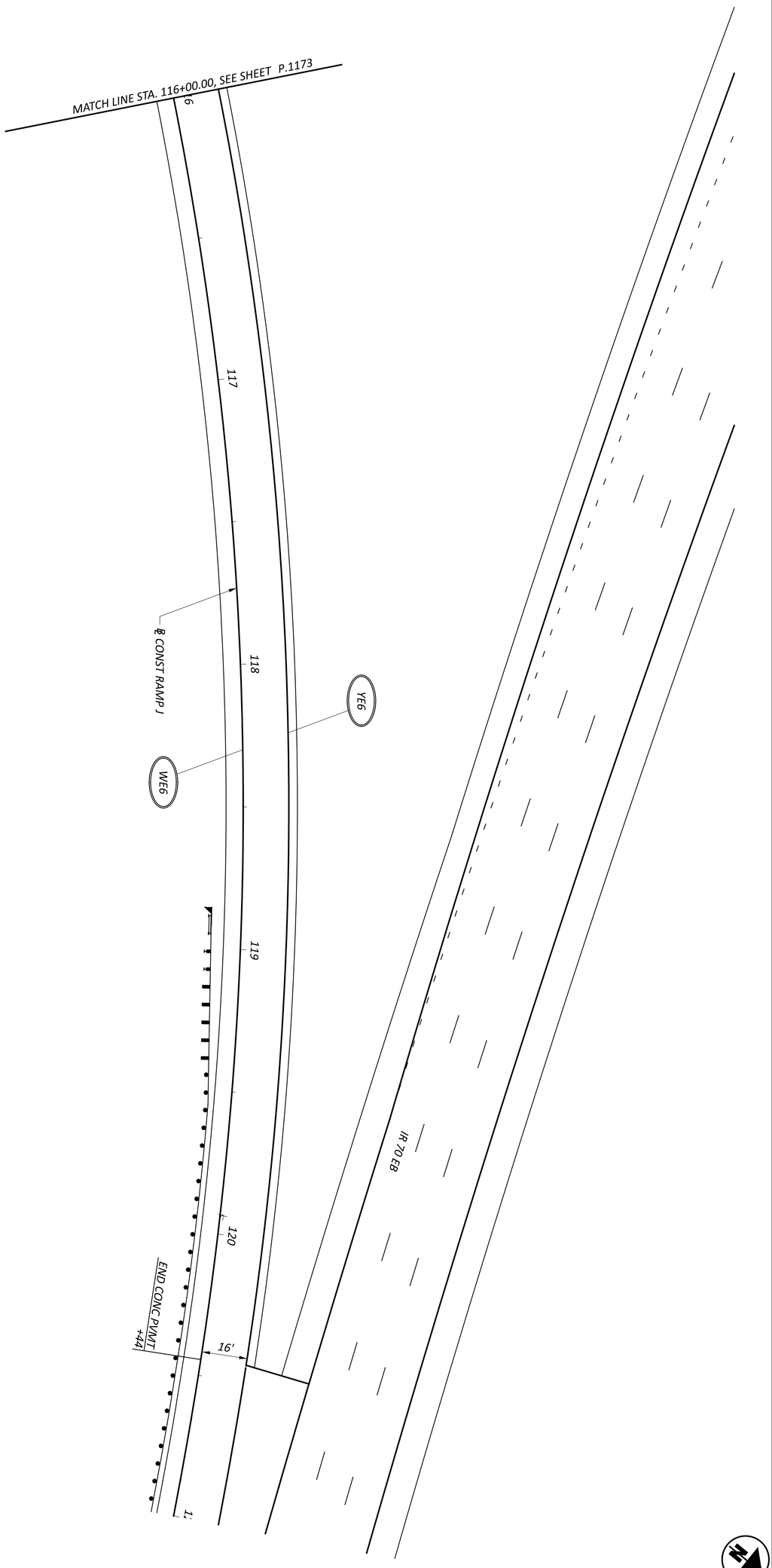
NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1173	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP J
STA. 111+50.00 TO STA. 116+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP218 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:00:22 AM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Traffic\Sheets\96808_TP218.dgn



NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

TRAFFIC CONTROL PLAN - RAMP J
STA. 116+00.00 TO STA. 121+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.1174	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP213 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:00:36 AM USER: brieder
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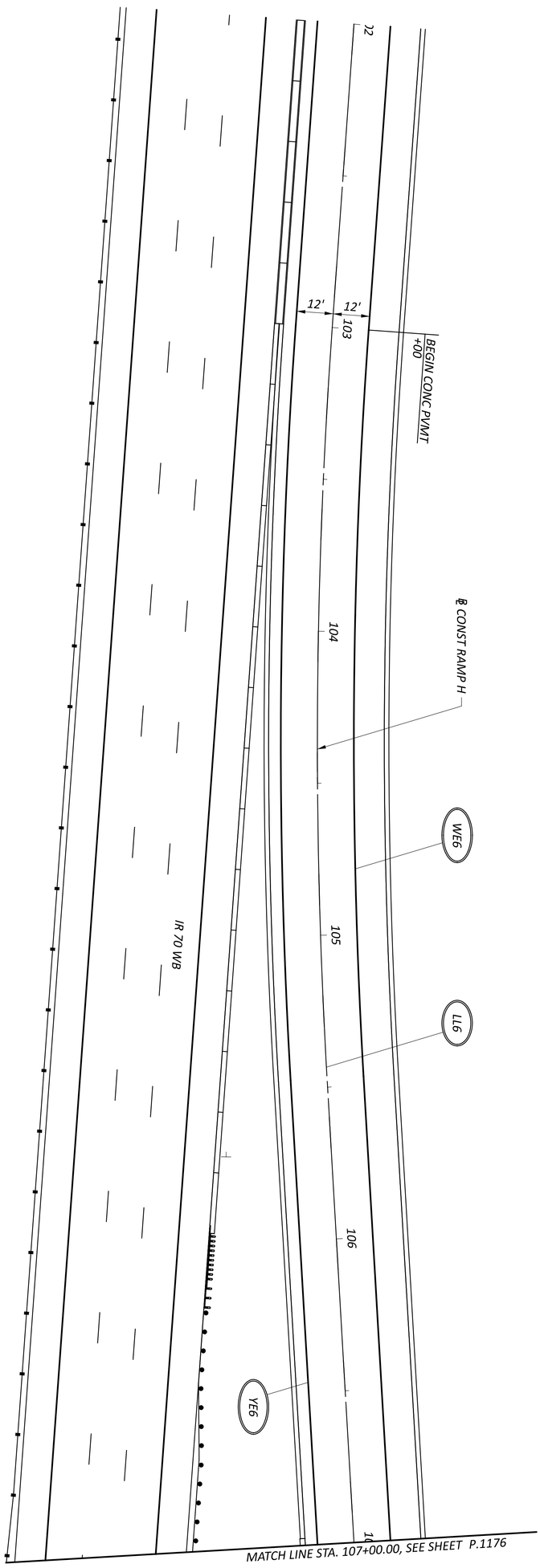

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - RAMP H
STA. 102+00.00 TO STA. 107+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1175	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP214 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:00:48 AM USER: brieder
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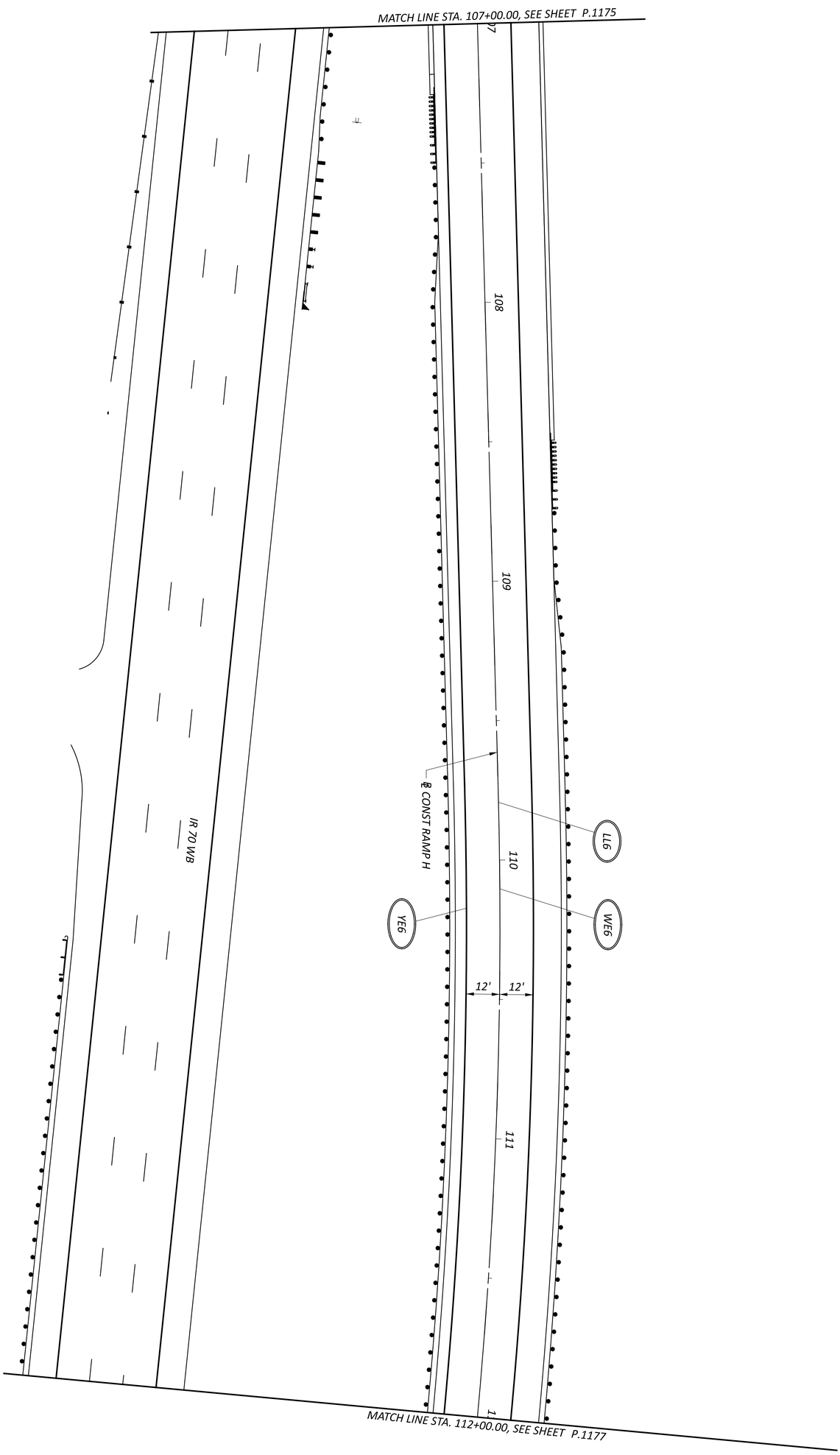

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1176	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP H
STA. 107+00.00 TO STA. 112+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: BLP_R070H - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:01:01 AM USER: brieder
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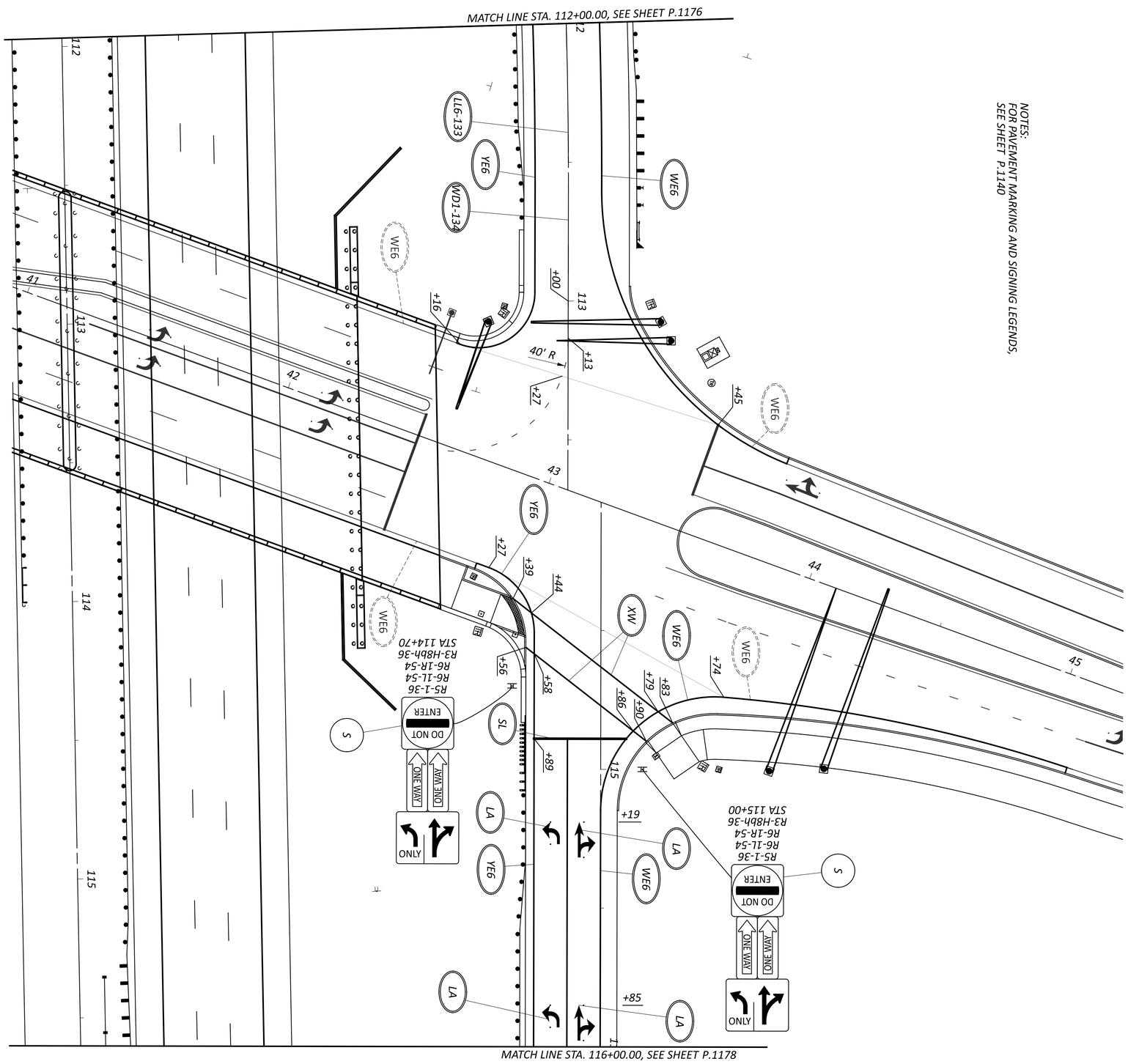

TRAFFIC CONTROL PLAN - RAMP H & RAMP I
STA. 112+00.00 TO STA. 113+68.11 & STA. 114+03.78 TO STA. 116+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.1177	P.1556

PROJECT ID: 96808
REVIEWER: KAM 04/25/25
DESIGNER: BER
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP215 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:01:14 AM USER: brieder
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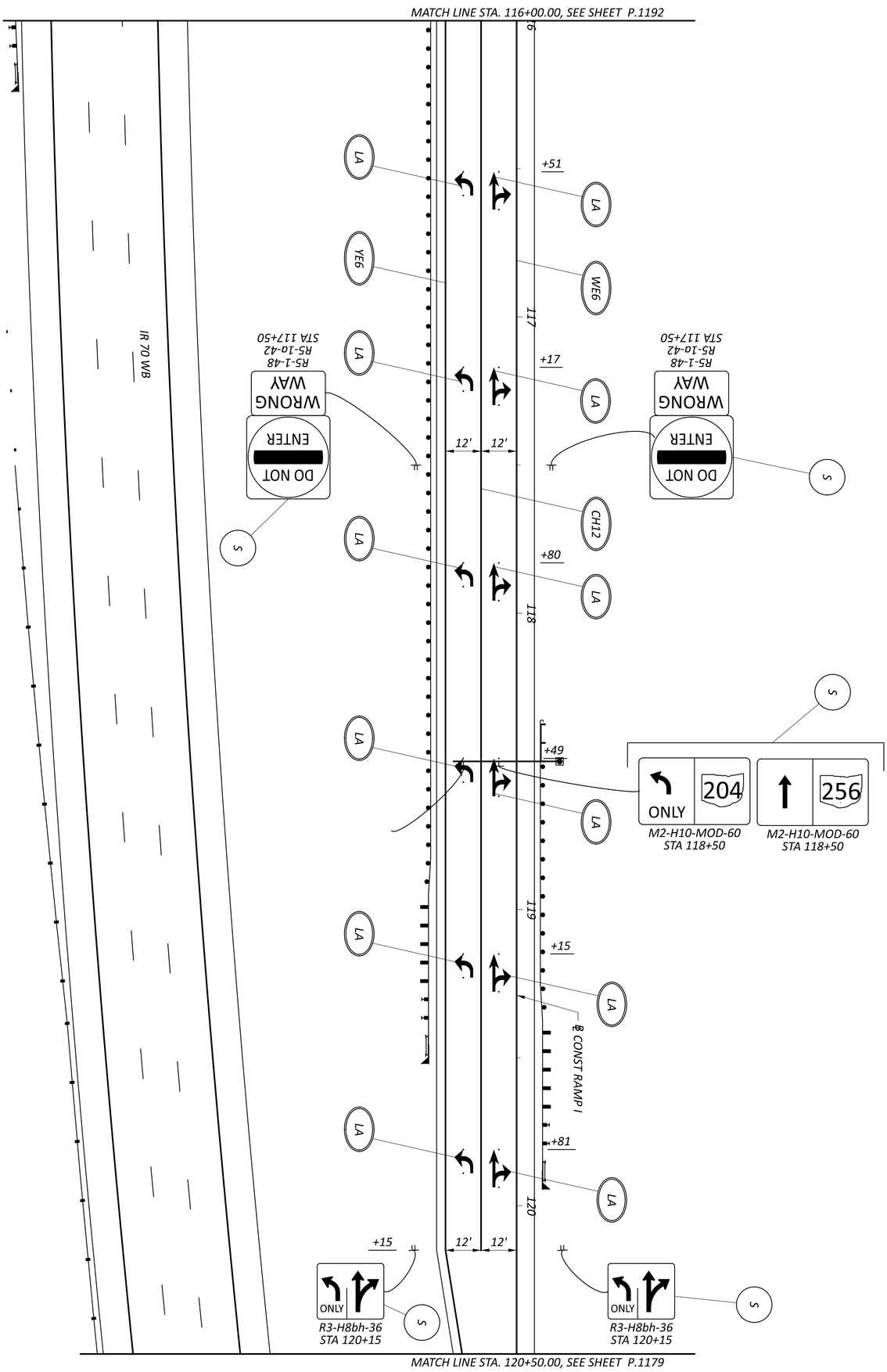

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - RAMP I
STA. 116+00.00 TO STA. 120+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1178	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP216 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:01:27 AM USER: brieder
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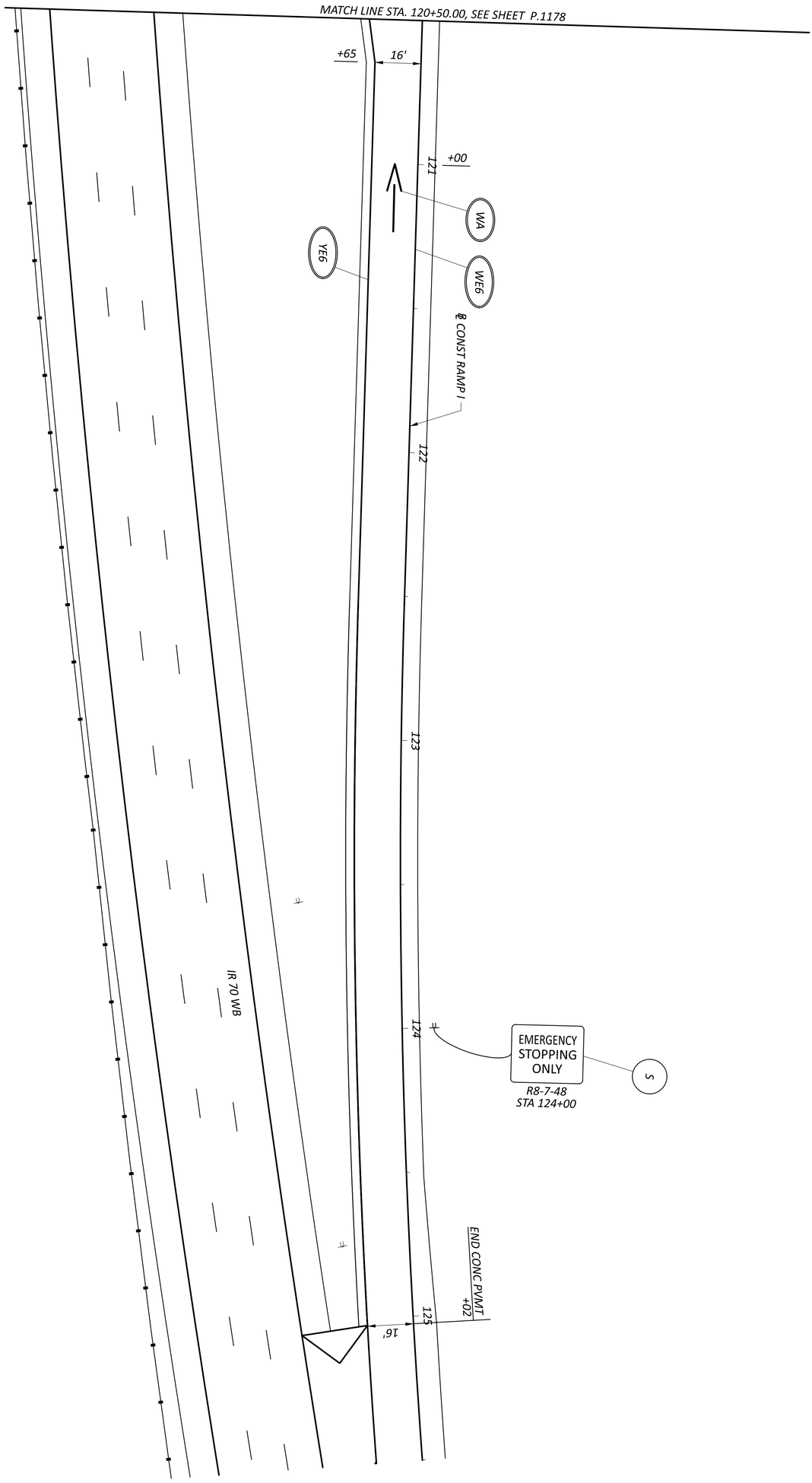

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

N

SHEET	TOTAL
P.1179	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - RAMP I
STA. 120+50.00 TO STA. 125+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP401 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:01:41 AM USER: brieder
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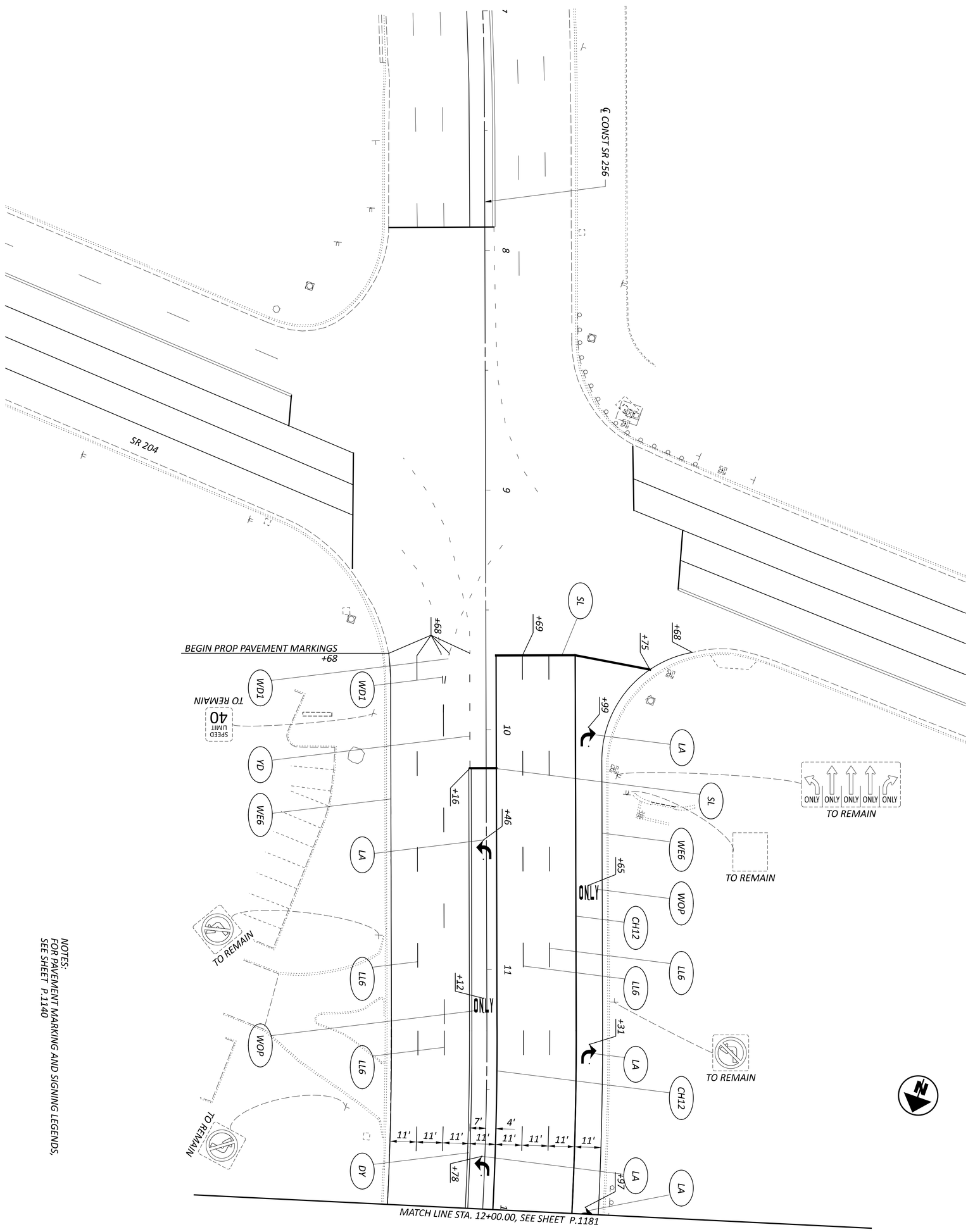

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

SHEET	TOTAL
P.1180	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 256
STA. 7+00.00 TO STA. 12+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP402 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:01:54 AM USER: brieder
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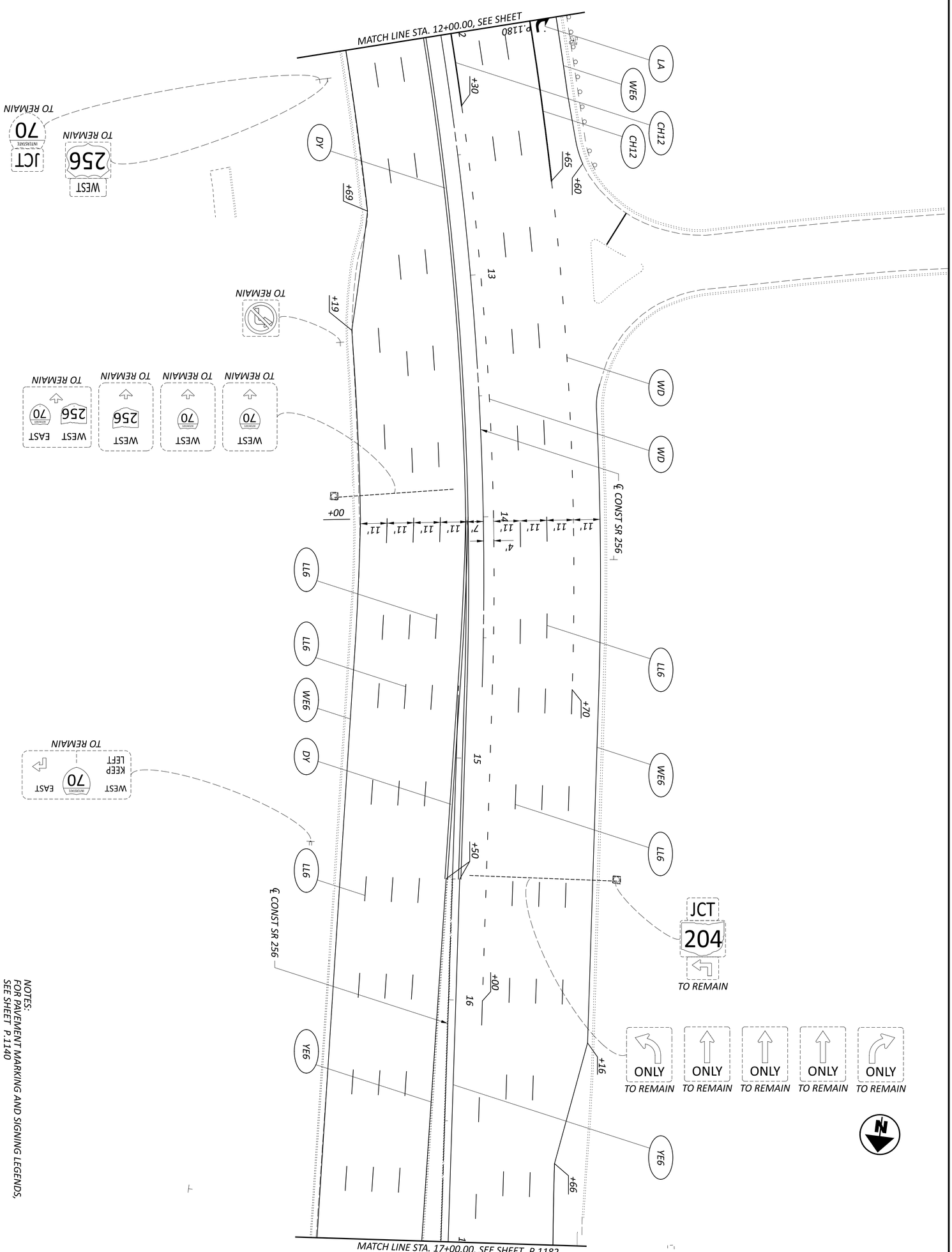

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

*** - DENOTES STATIONING FROM RAMP E

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1181	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 256
STA. 12+00.00 TO STA. 17+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP403 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:02:07 AM USER: brieder
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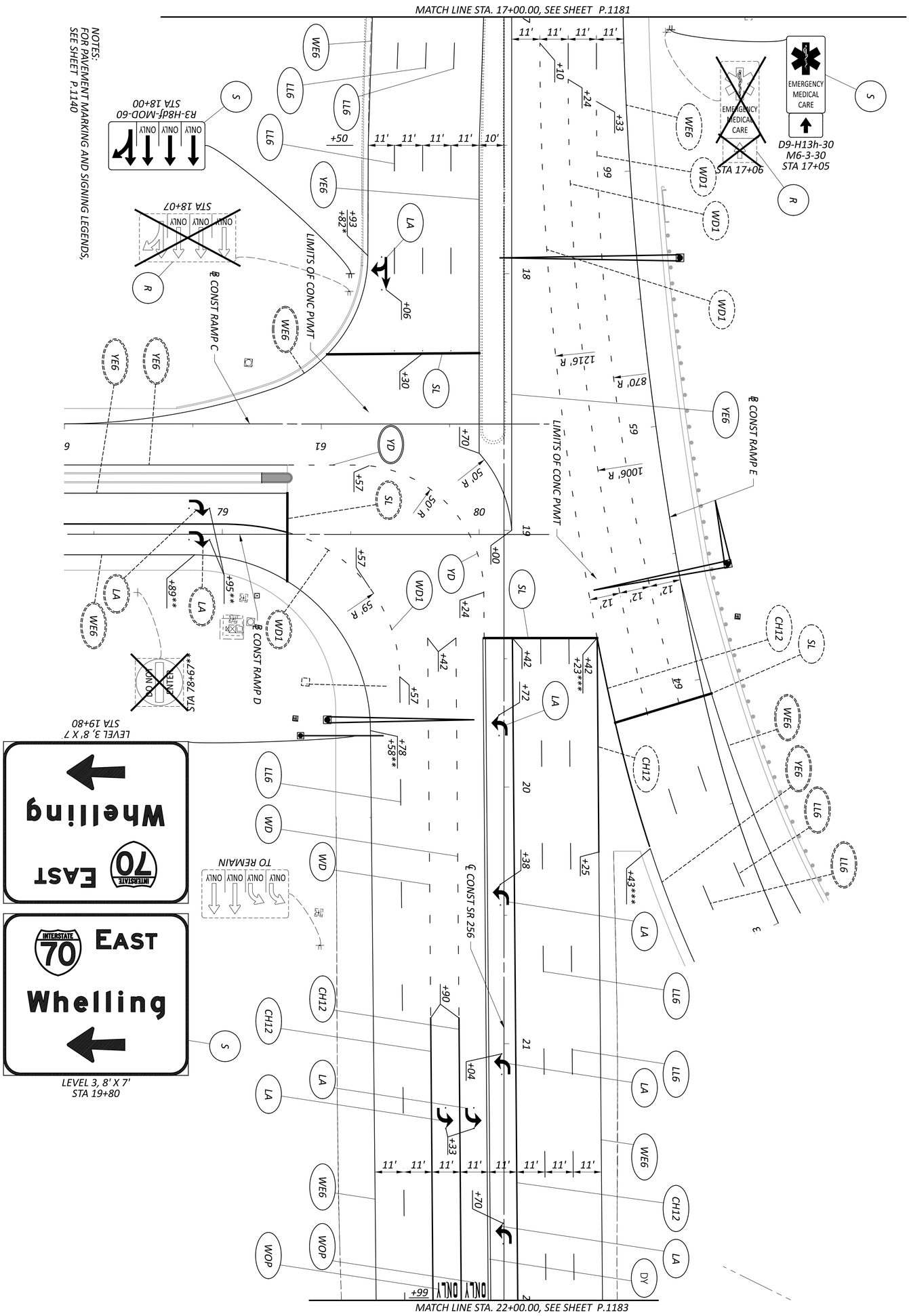

SHEET P.1182 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	TRAFFIC CONTROL PLAN - SR 256 STA. 17+00.00 TO STA. 22+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP404 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:02:21 AM USER: brieder
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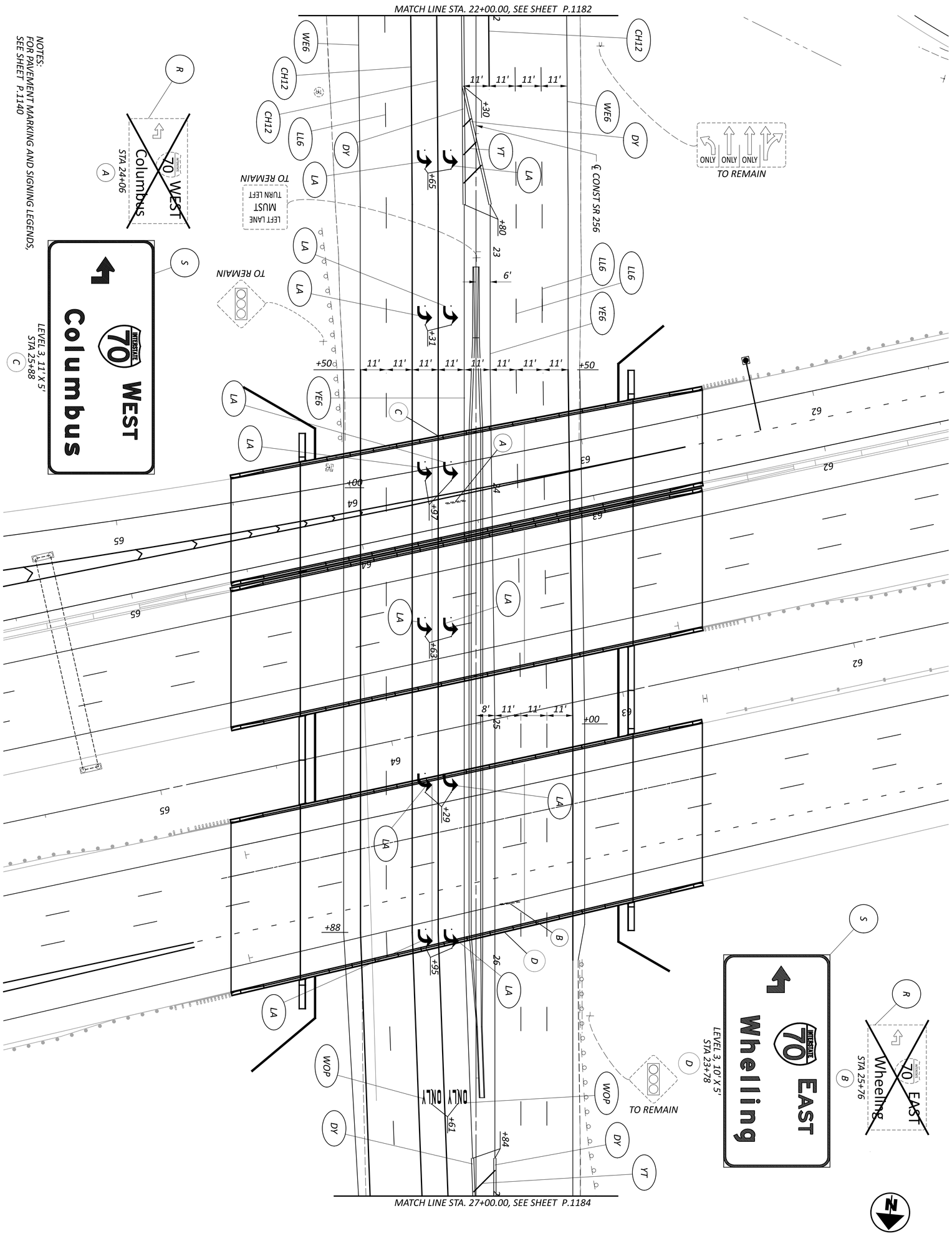

SHEET P.1183 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 256
STA. 22+00.00 TO STA. 27+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP405 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:02:34 AM USER: brieder
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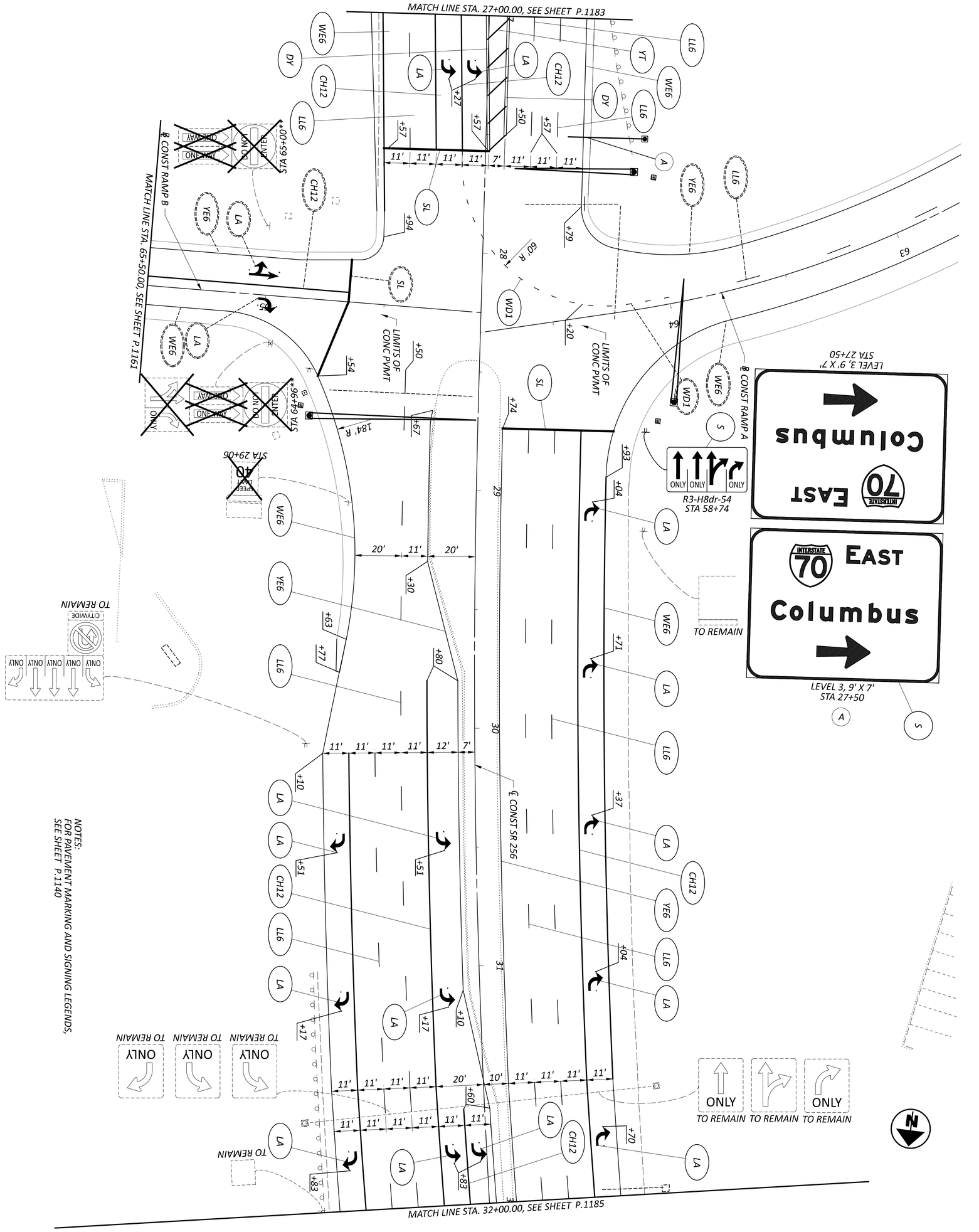

TRAFFIC CONTROL PLAN - SR 256
STA. 27+00.00 TO STA. 32+00.00

SHEET	P.1184
TOTAL	P.1556
PROJECT ID	96808
REVIEWER	VDK 04/25/25
DESIGNER	BER
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP406 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:02:47 AM USER: brieder
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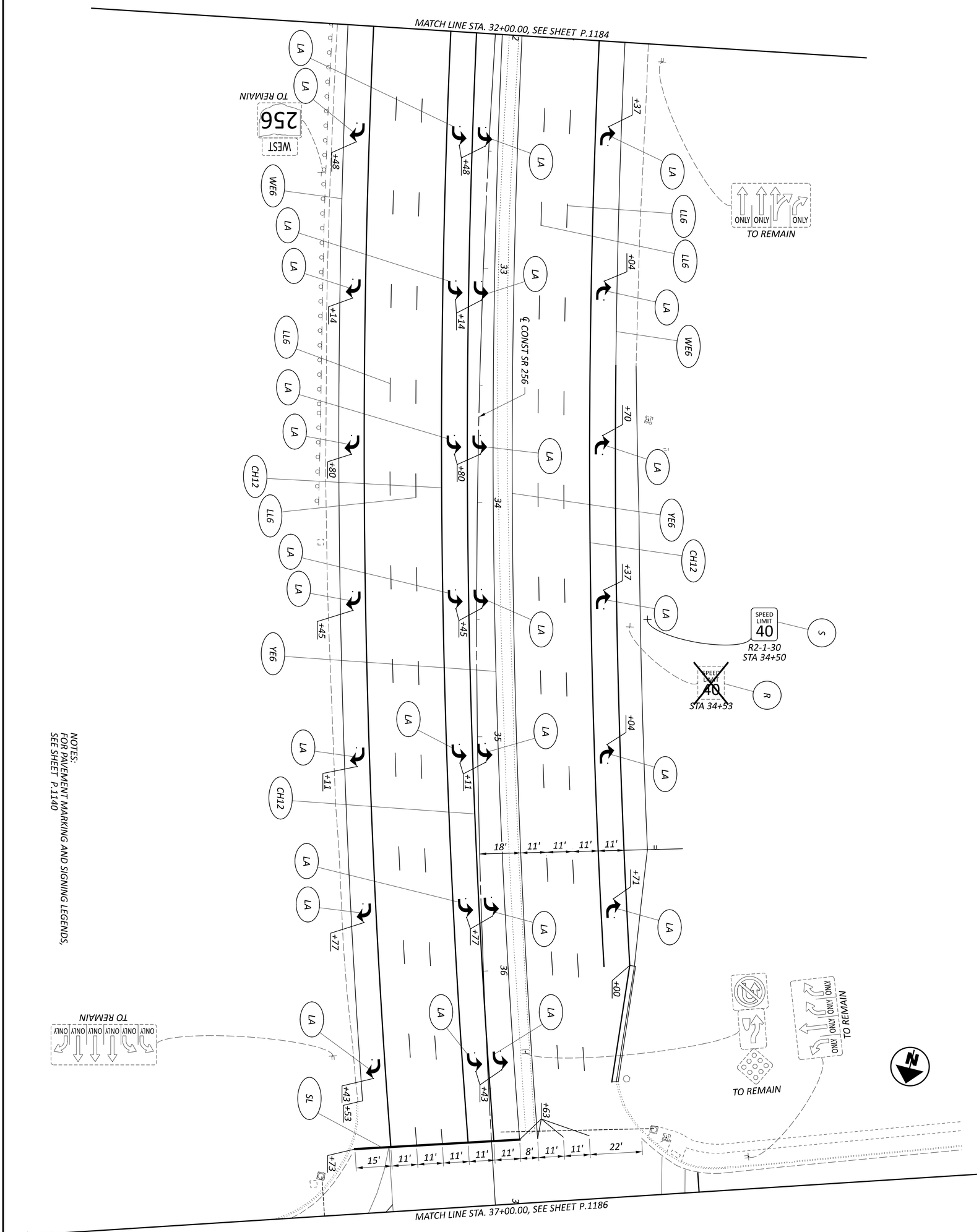

SHEET	TOTAL
P.1185	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 256
STA. 32+00.00 TO STA. 37+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP407 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:03:00 AM USER: brieder
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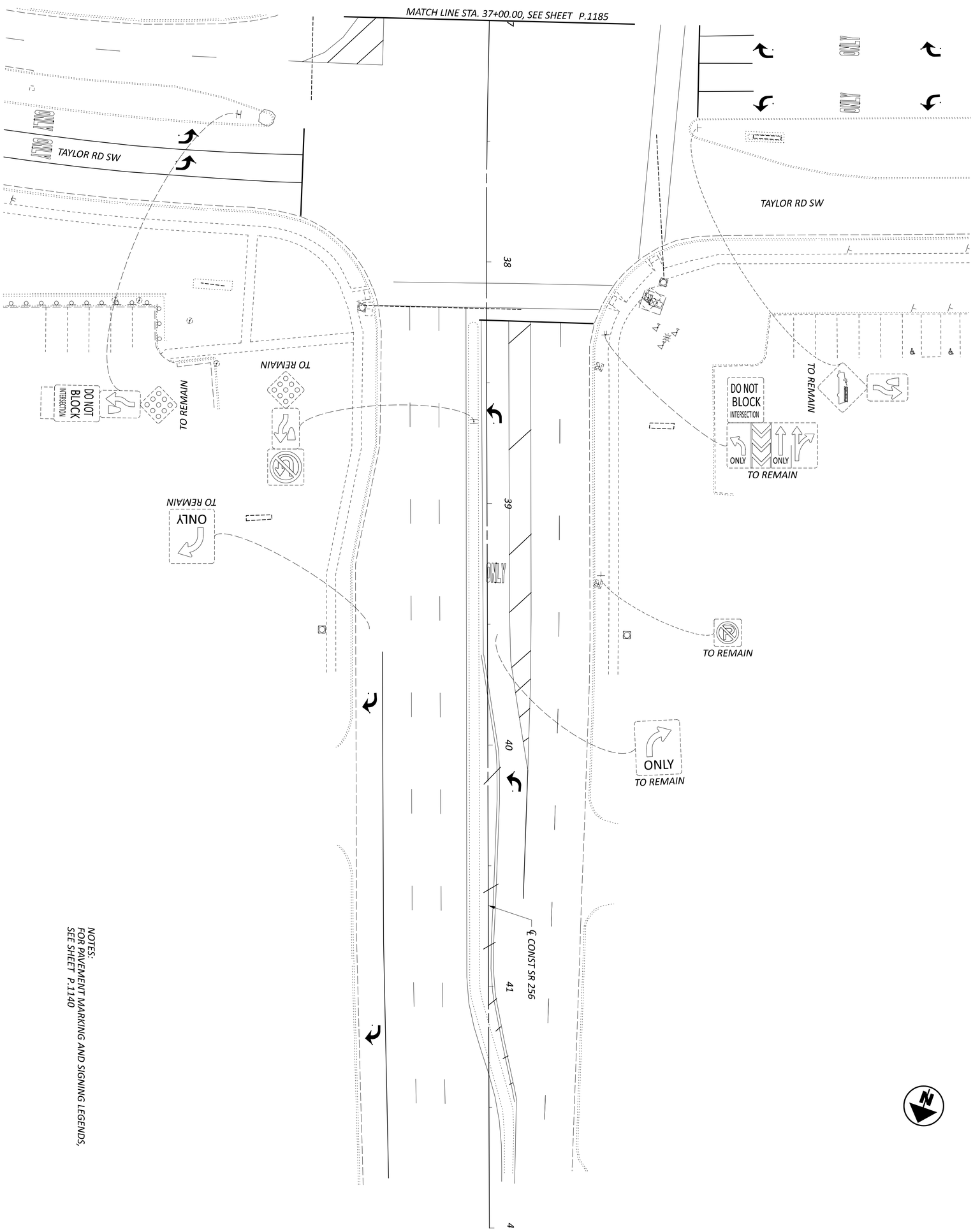

SHEET P.1186 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	TRAFFIC CONTROL PLAN - SR 256 STA. 37+00.00 TO STA. 42+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP408 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:03:13 AM USER: brieder
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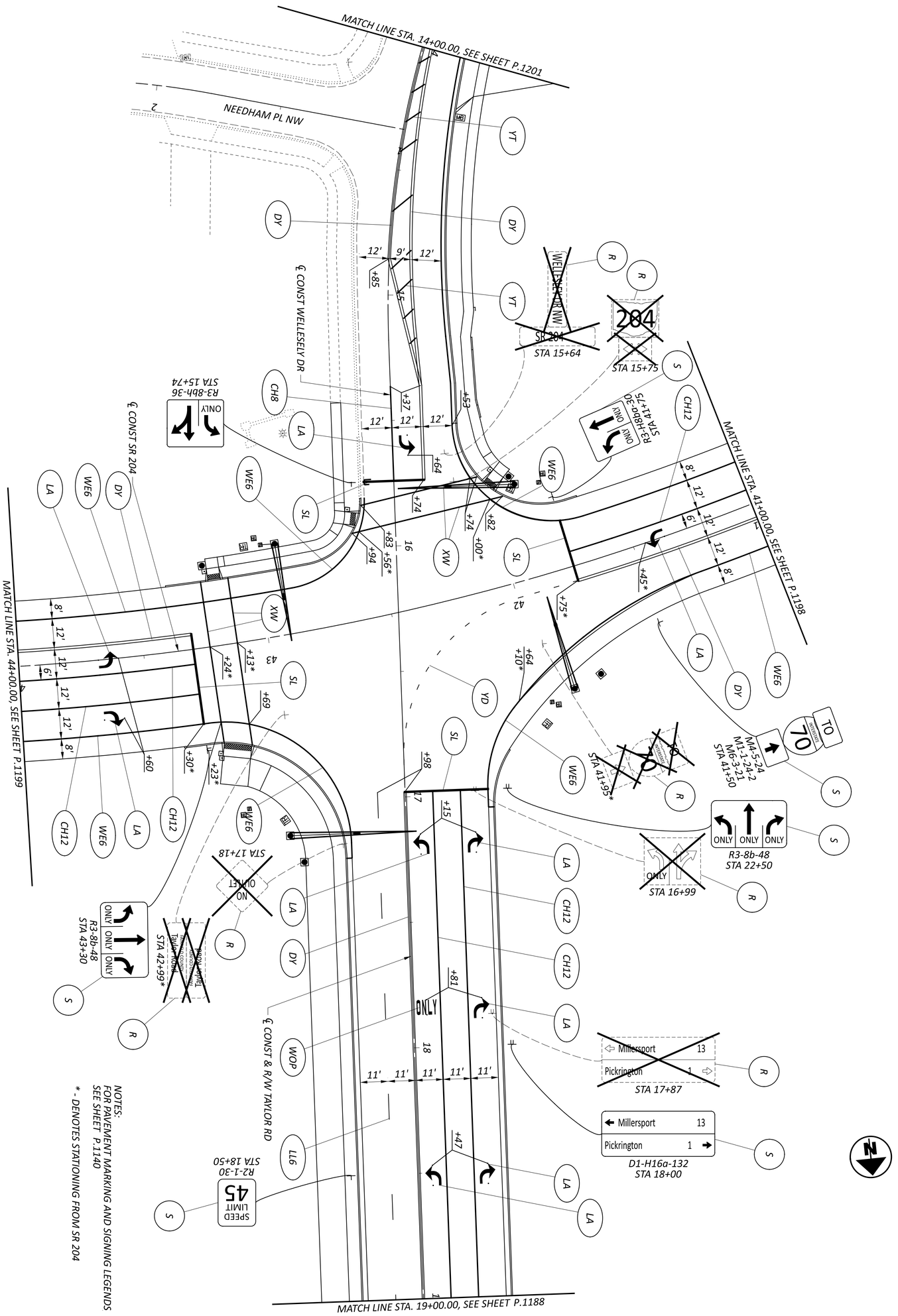
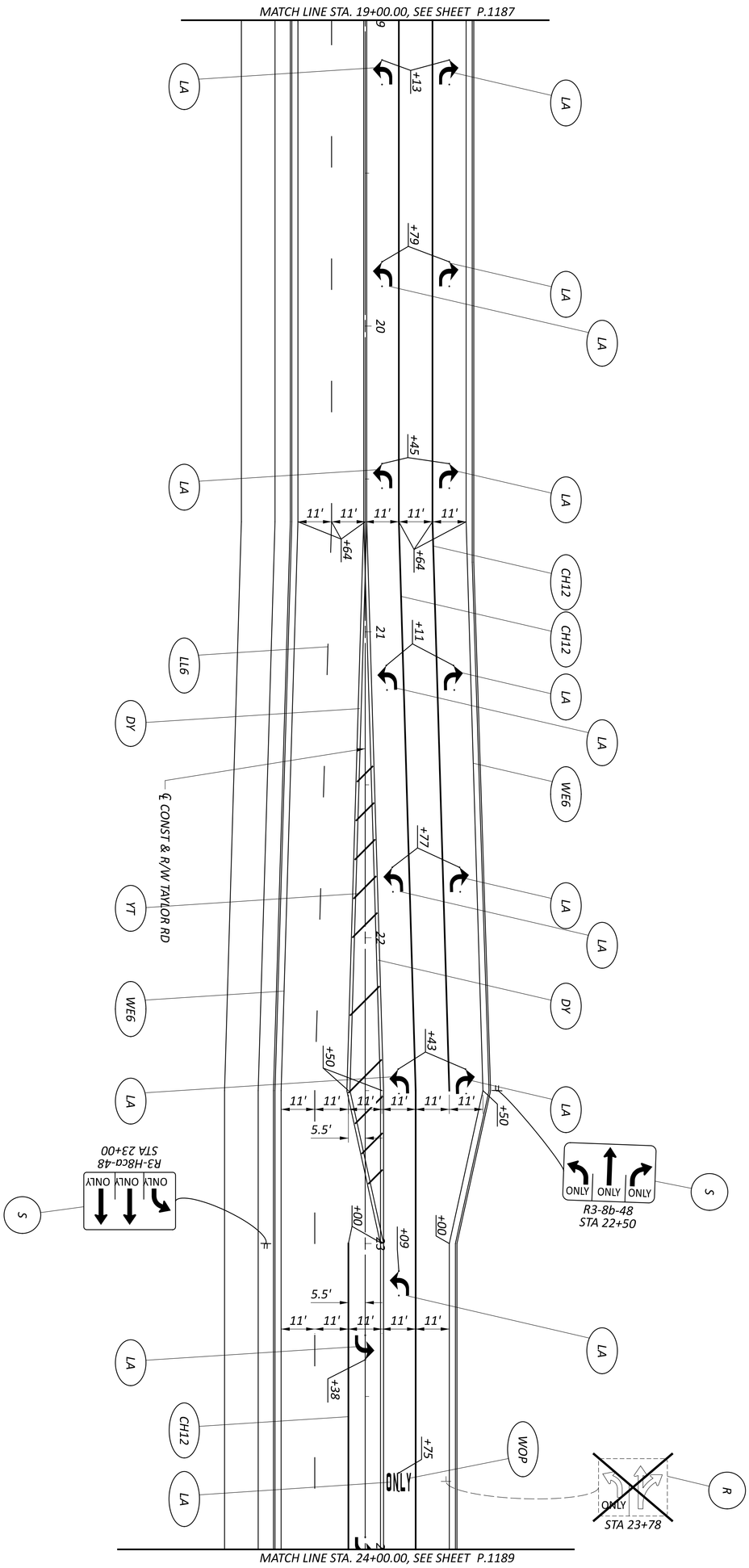


SHEET P.1187 / TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	TRAFFIC CONTROL PLAN - TAYLOR RD STA. 14+00.00 TO STA. 19+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP409 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:03:27 AM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Traffic\Sheets\96808_TP409.dgn



NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - TAYLOR RD
STA. 19+00.00 TO STA. 24+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1188	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP410 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:03:40 AM USER: brieder
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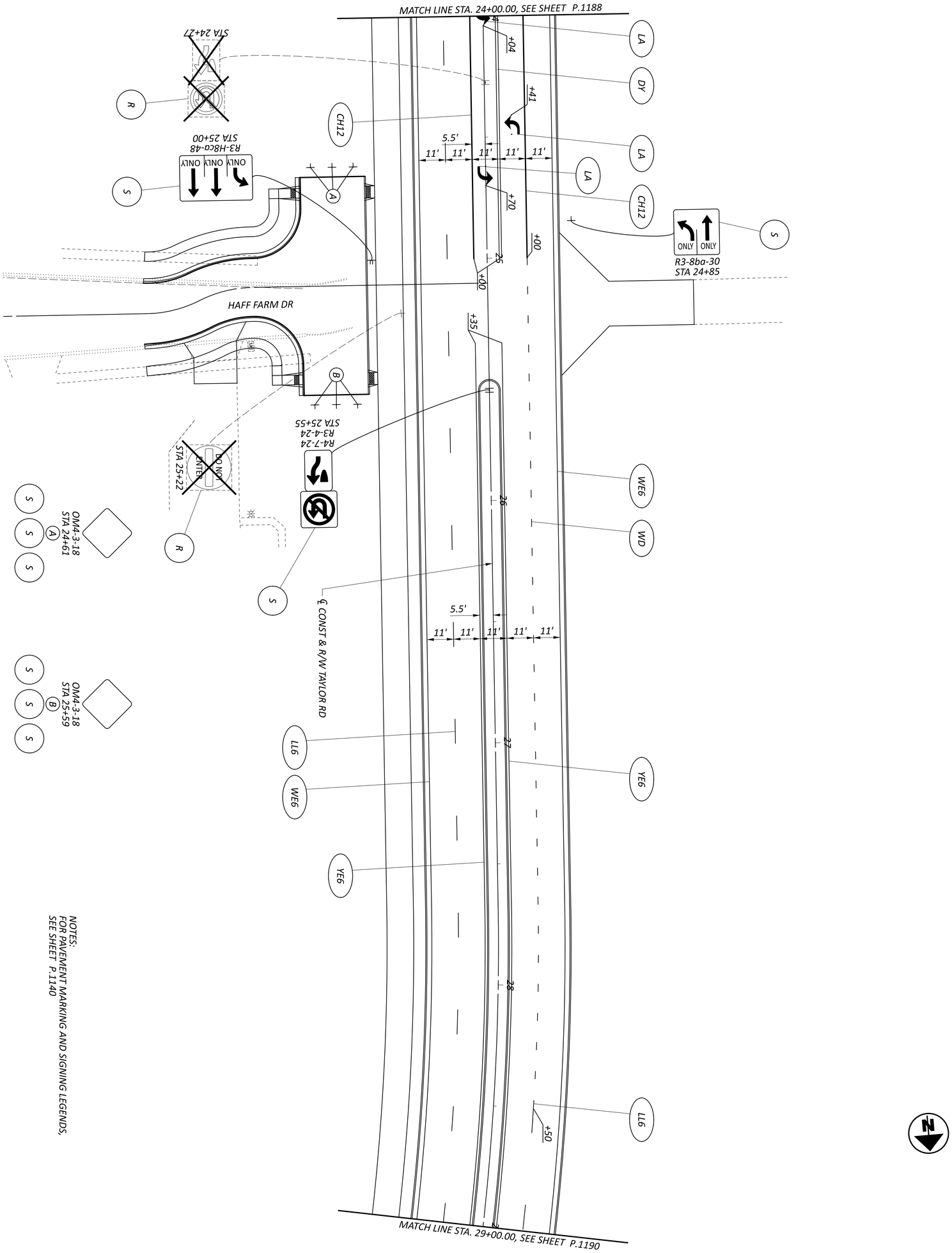

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1189	P.1556

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - TAYLOR RD
STA. 24+00.00 TO STA. 29+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP411 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:03:54 AM USER: brieder
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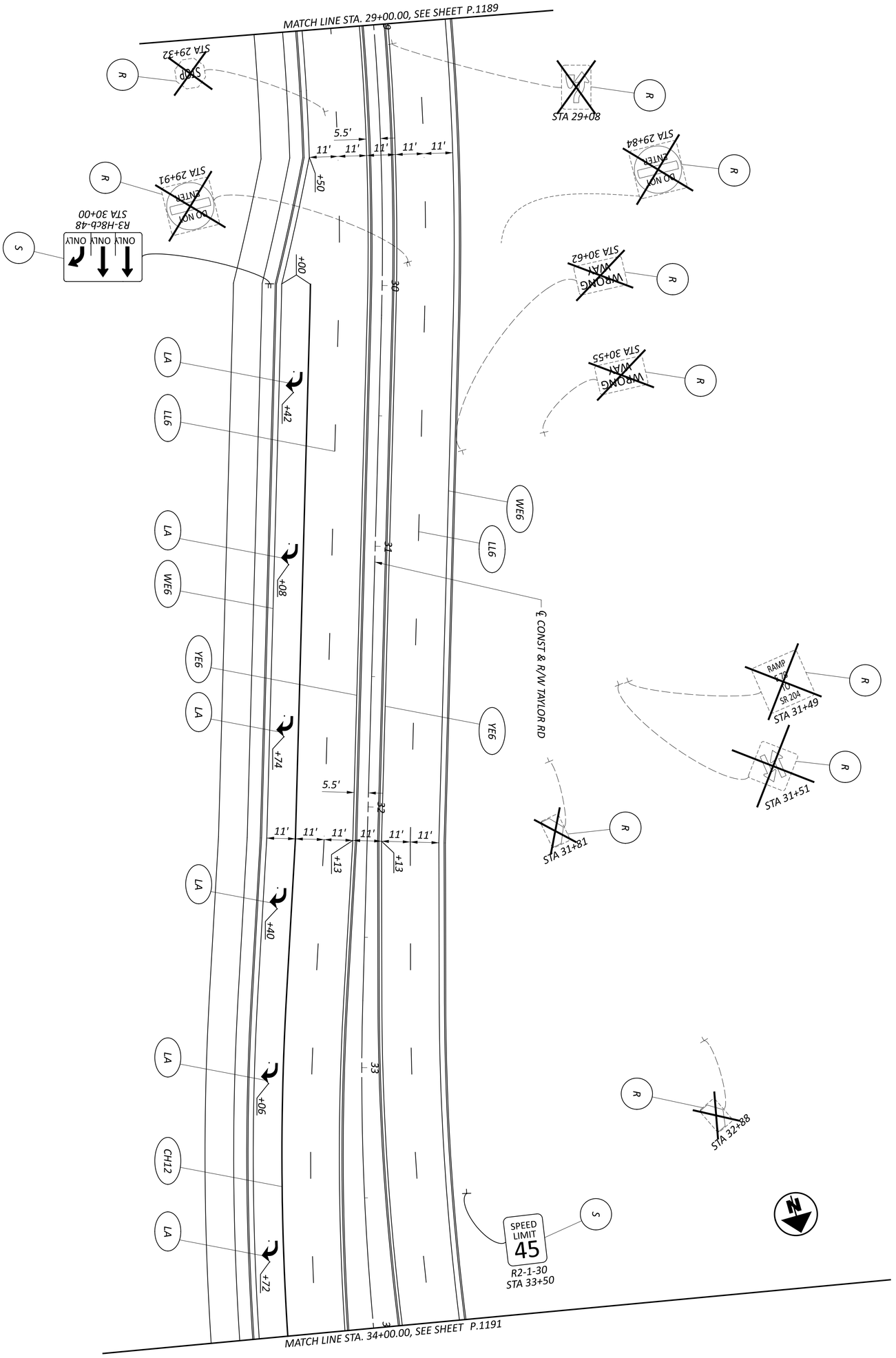

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - TAYLOR RD
STA. 29+00.00 TO STA. 34+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1190	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP412 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:04:08 AM USER: brieder
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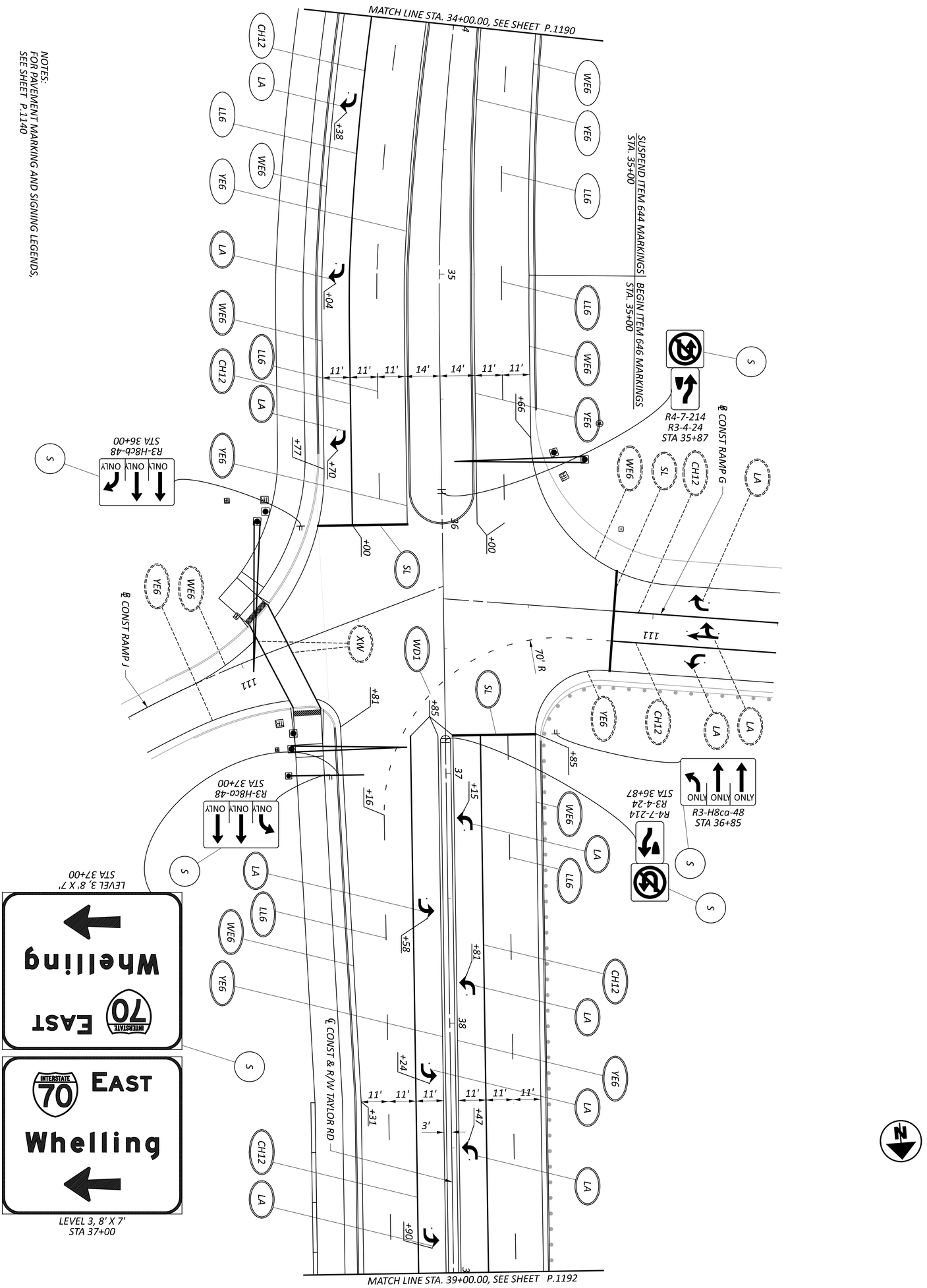


SHEET	TOTAL
P.1191	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

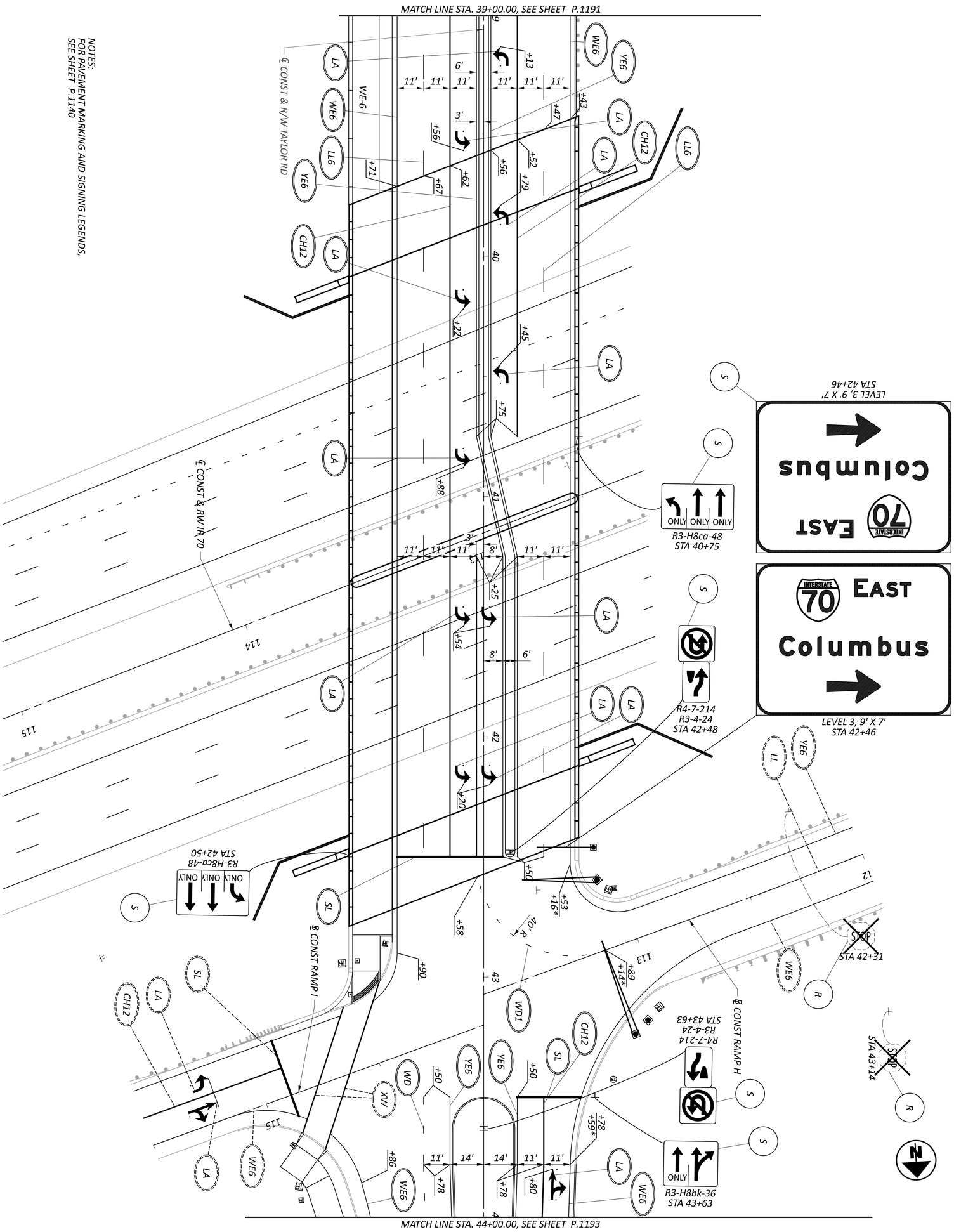
DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - TAYLOR RD
STA. 34+00.00 TO STA. 39+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP413 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:04:21 AM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Traffic\Sheets\96808_TP413.dgn



SHEET P.1192 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	TRAFFIC CONTROL PLAN - TAYLOR RD STA. 39+00.00 TO STA. 44+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

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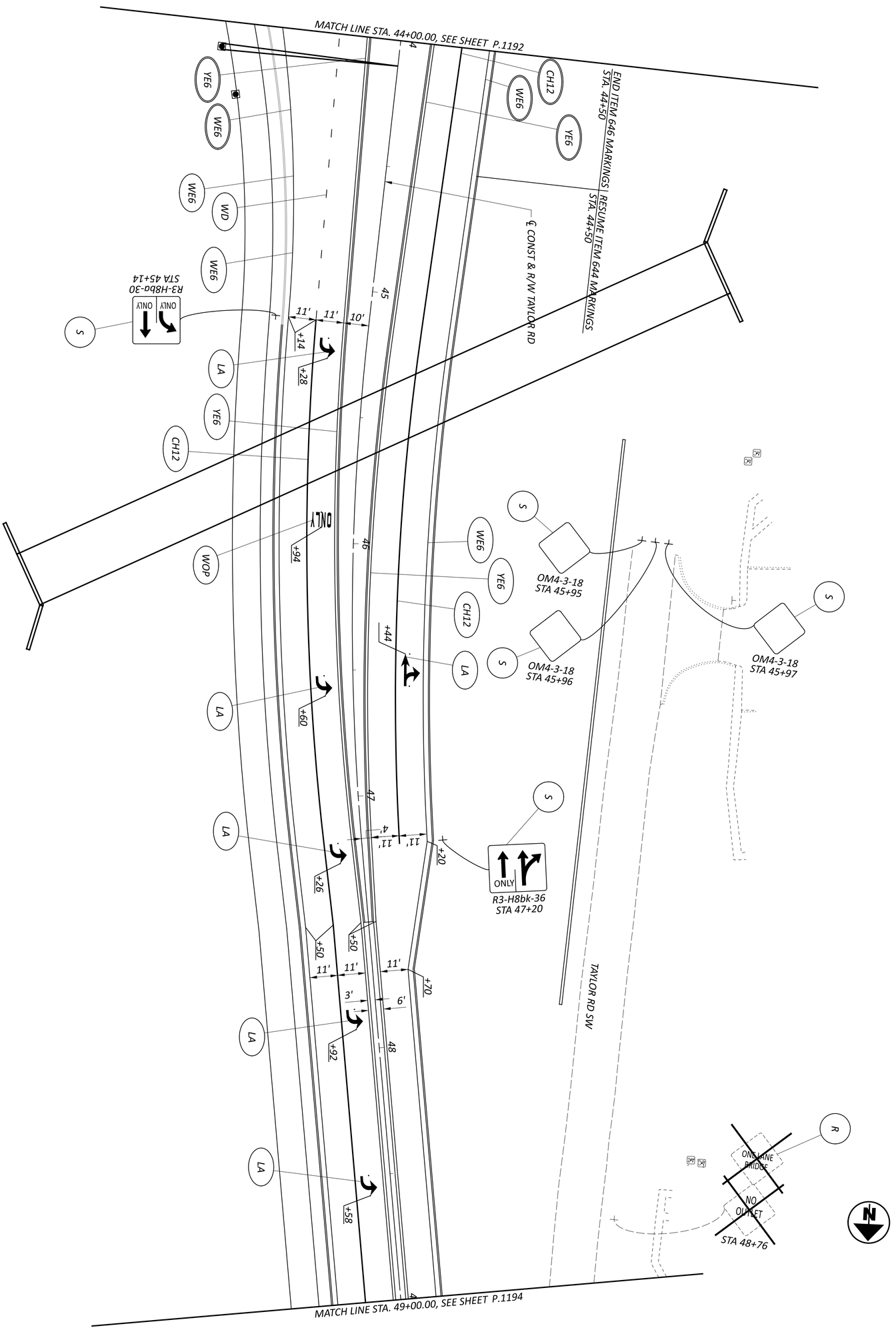

SHEET P.1193 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.	TRAFFIC CONTROL PLAN - TAYLOR RD STA. 44+00.00 TP STA. 49+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP415 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:04:47 AM USER: brieder
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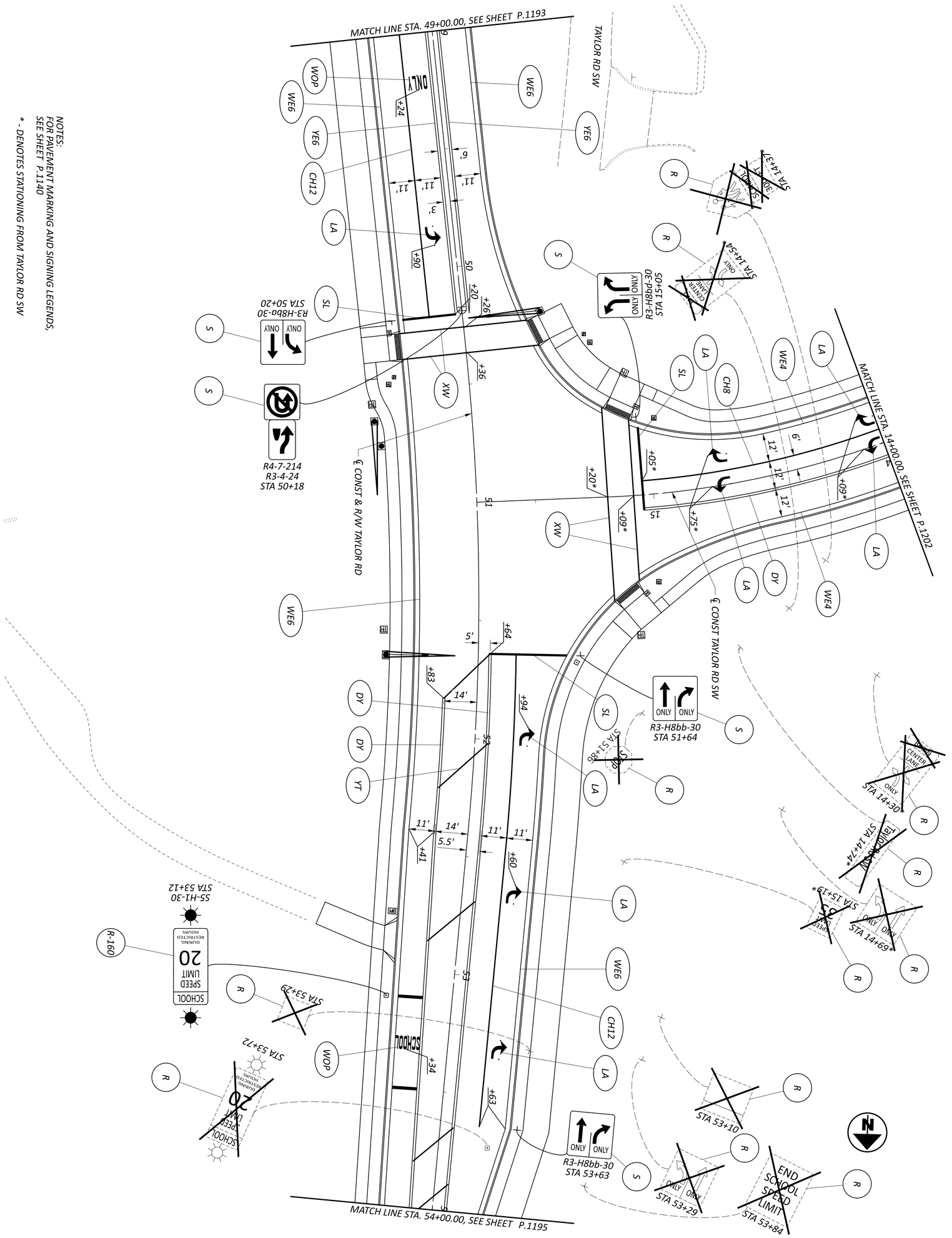

SHEET P.1194 TOTAL P.1556	PROJECT ID 96808	REVIEWER VDK 04/25/25	DESIGNER BER	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	TRAFFIC CONTROL PLAN - TAYLOR RD STA. 49+00.00 TO STA. 54+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP416 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:05:01 AM USER: brieder
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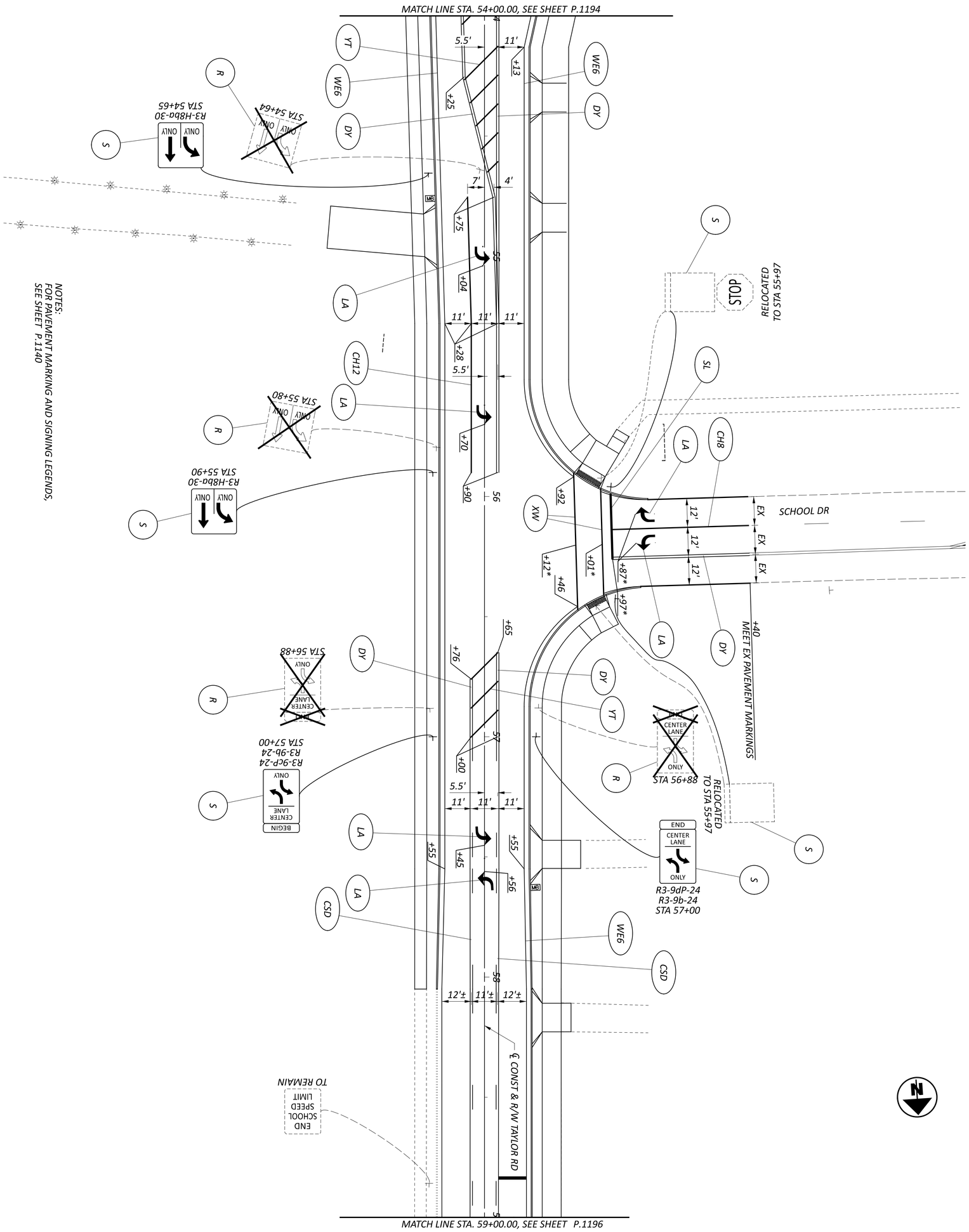

TRAFFIC CONTROL PLAN - TAYLOR RD
STA. 54+00.00 TO STA. 59+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_TAYLOR - Plan 10 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:05:13 AM USER: brieder
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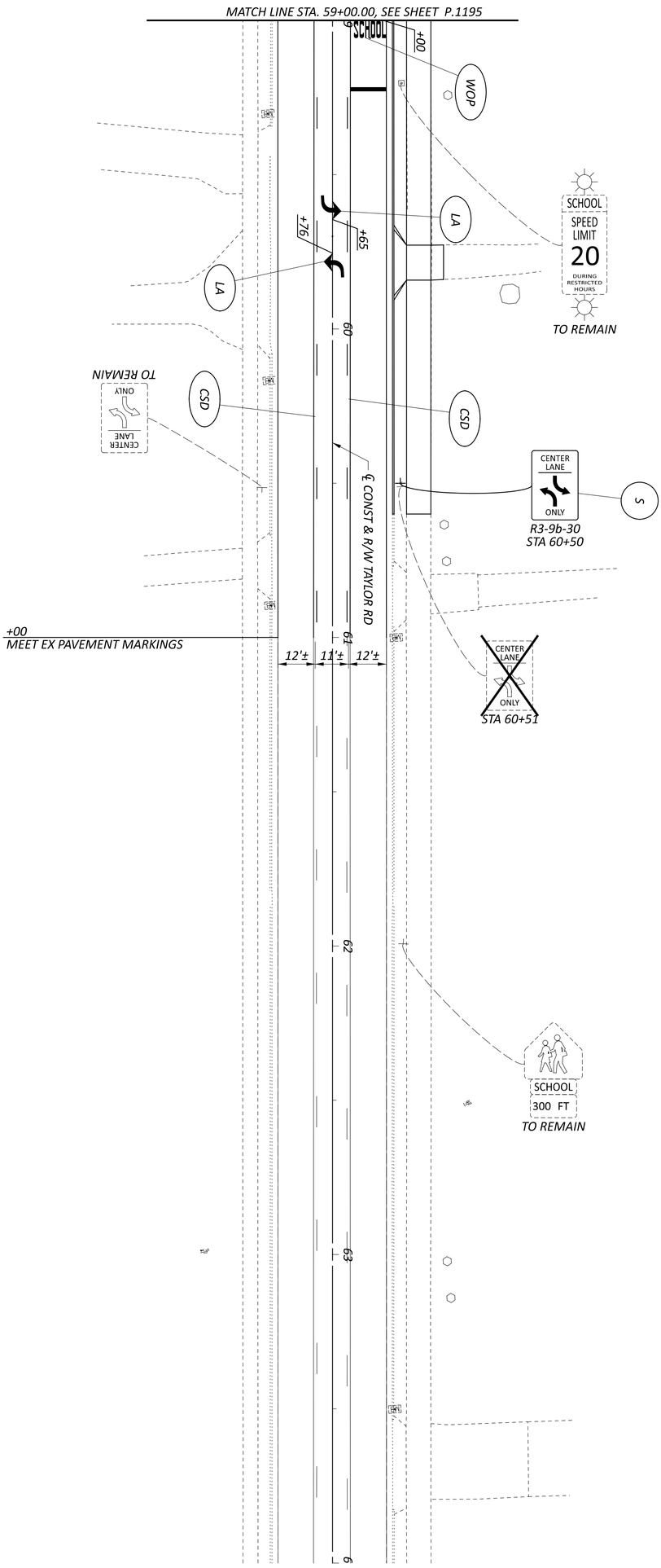

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1196	P.1556	96808	KEM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - TAYLOR RD
STA. 59+00.00 TO STA. 64+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: CLP_S204 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:05:26 AM USER: brieder
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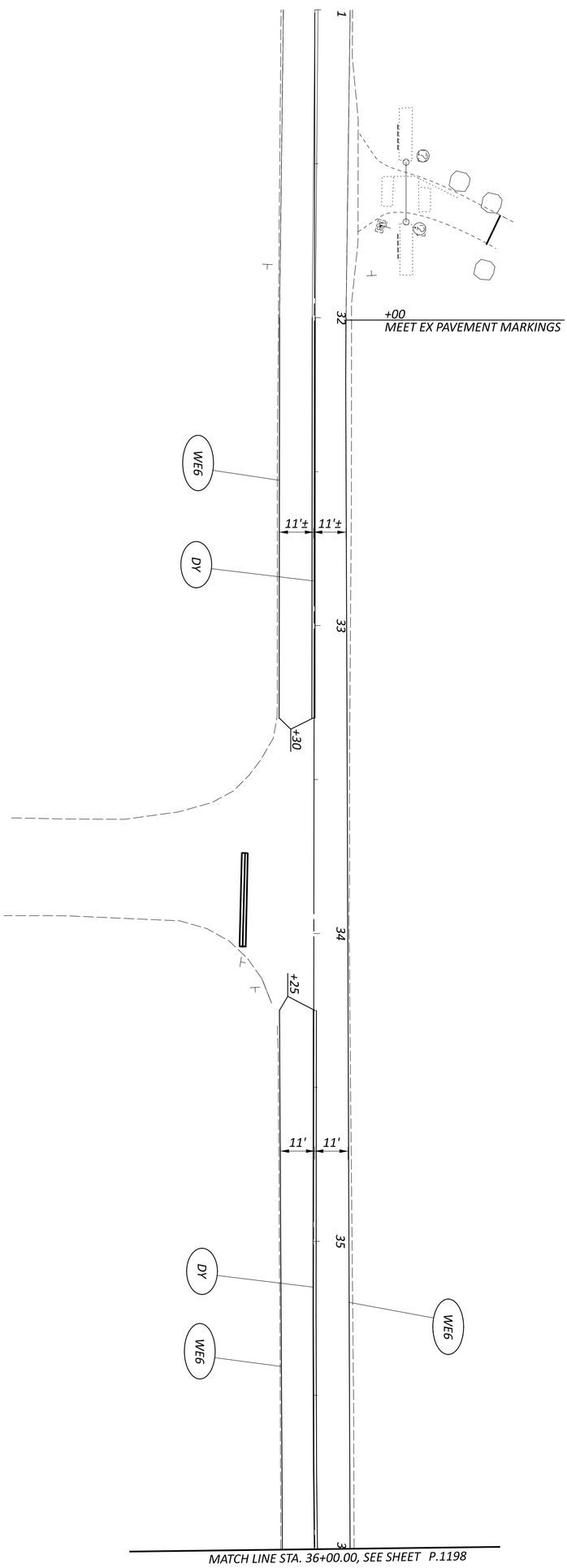

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1197	P.1556	96808	KEM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 204
STA. 31+00.00 TO STA. 36+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP417 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:05:40 AM USER: brieder
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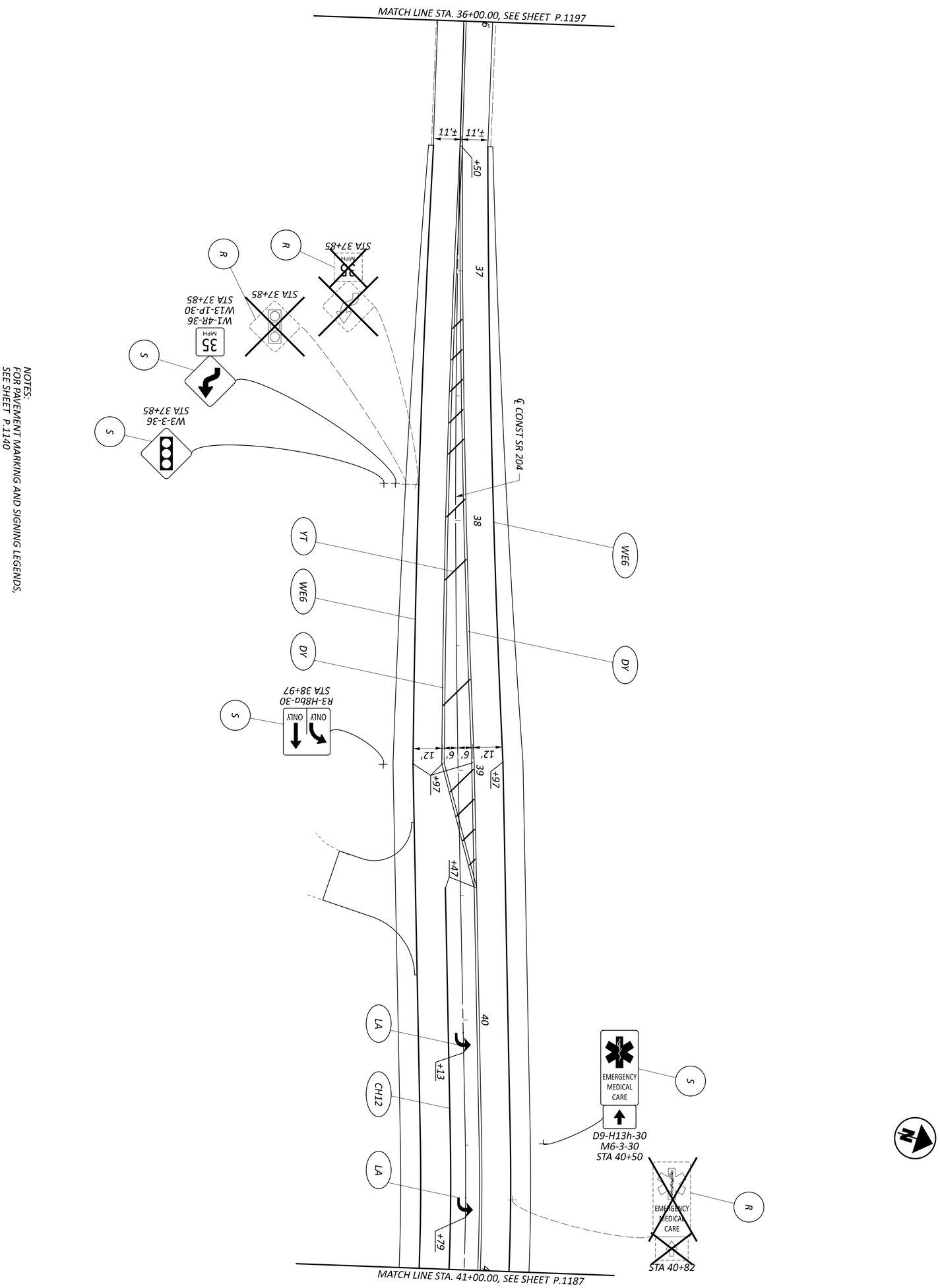

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1198	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 204
STA. 36+00.00 TO STA. 41+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP418 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:05:53 AM USER: brieder
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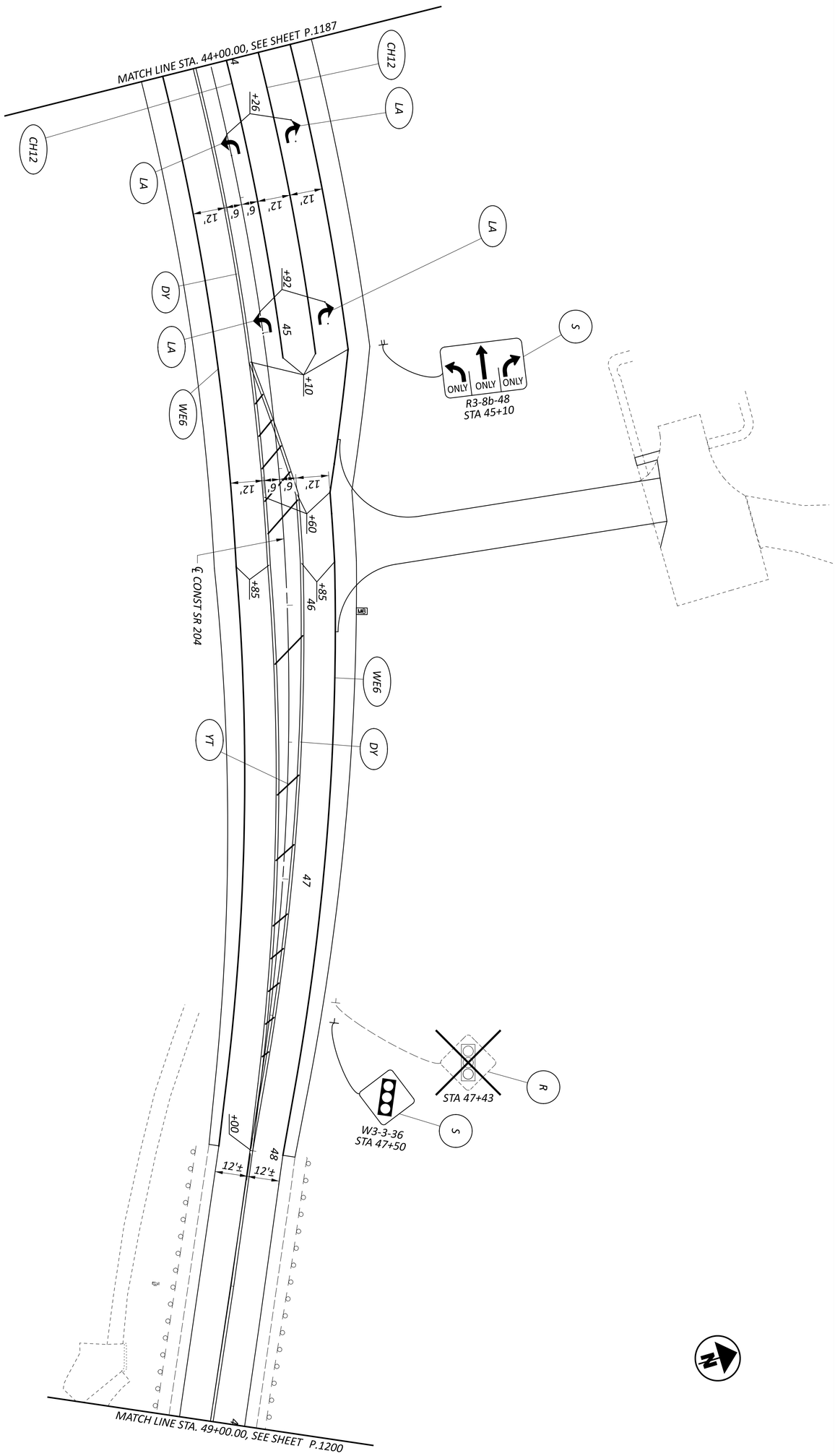

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

TRAFFIC CONTROL PLAN - SR 204
STA. 44+00.00 TO STA. 49+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1199	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: CLP_S204 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:06:06 AM USER: brieder
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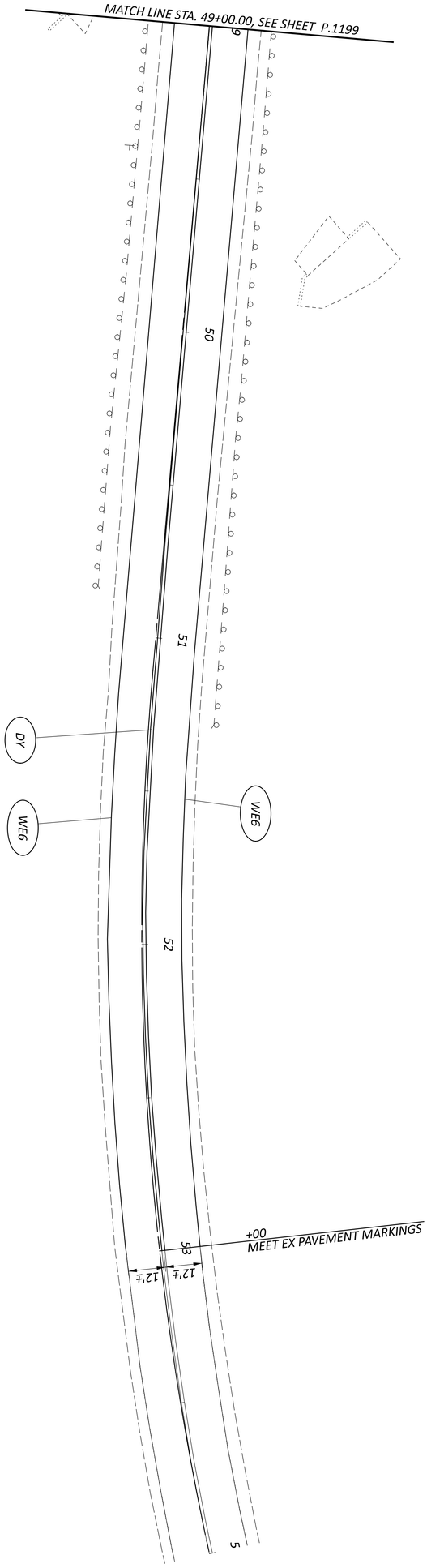

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1200	P.1556	96808	KEM 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - SR 204
STA. 49+00.00 TO STA. 54+00.00

HORIZONTAL SCALE IN FEET
0 100
50 200

MODEL: 96808_TP419 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:06:19 AM USER: brieder
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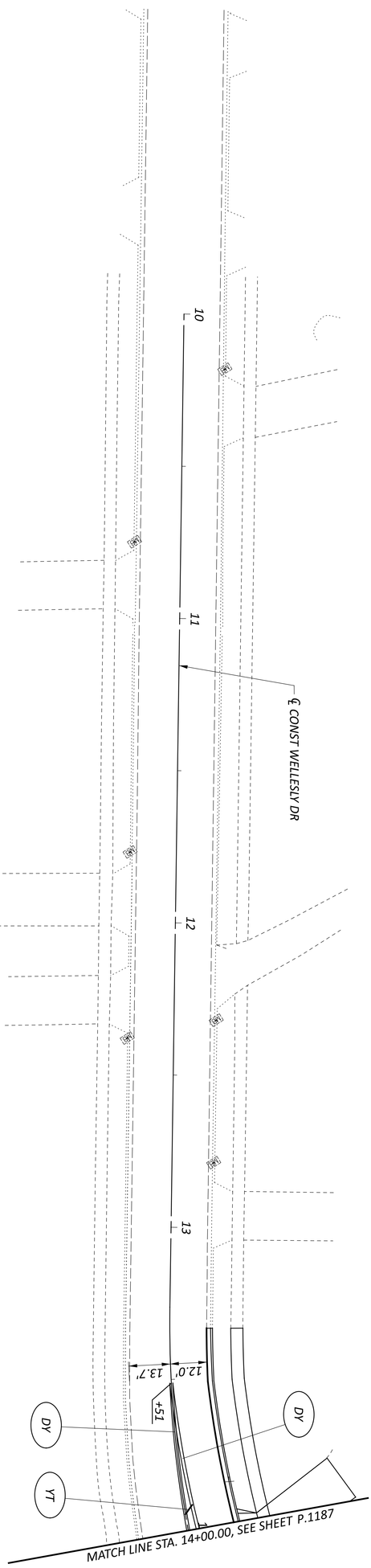

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

TRAFFIC CONTROL PLAN - WELLESLY DR
STA. 10+00.00 TO STA. 14+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.1201	P.1556	96808	VDK 04/25/25	BER	AMERICAN STRUCTUREPOINT INC.

MODEL: 96808_TP420 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:06:32 AM USER: brieder
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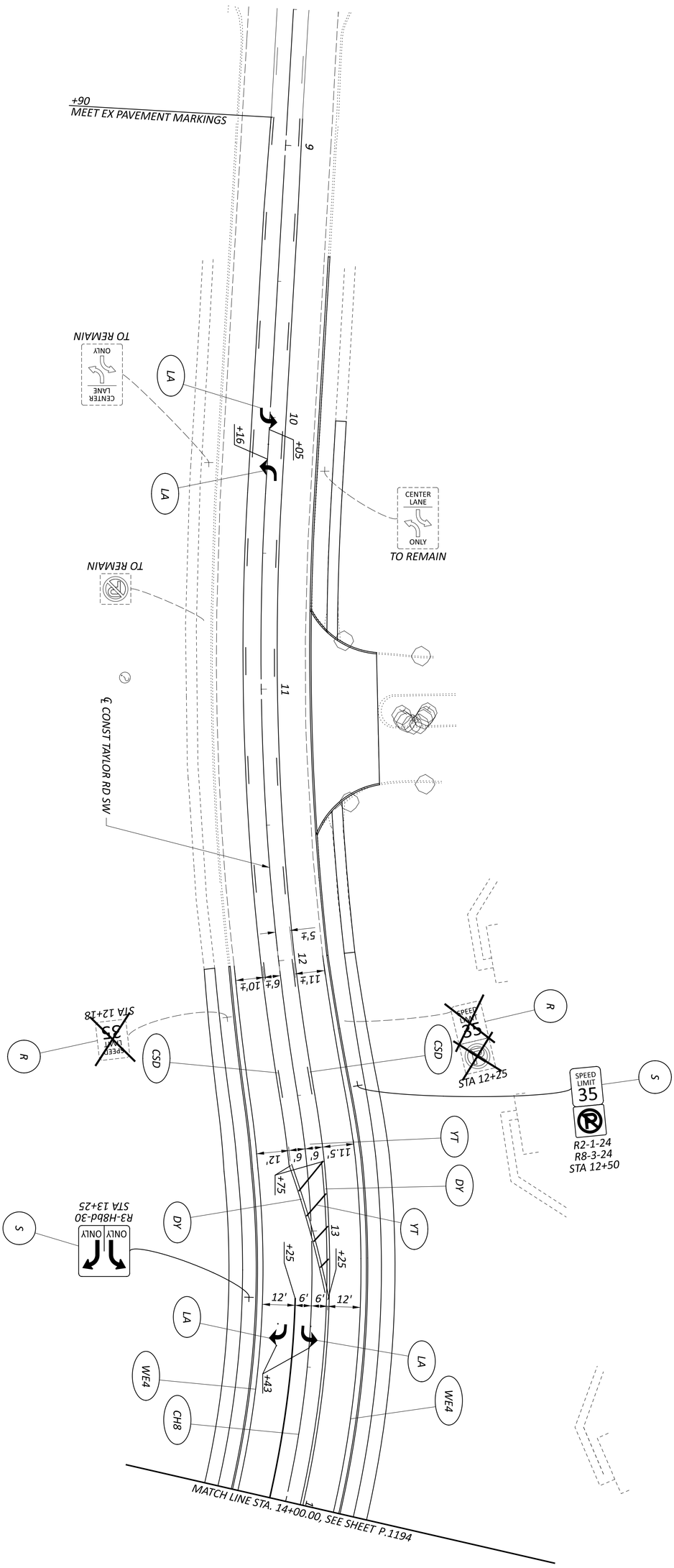

NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

SHEET	TOTAL
P.1202	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - TAYLOR RD SW
STA. 9+00.00 TO STA. 14+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: 96808_TP421 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:06:45 AM USER: brieder
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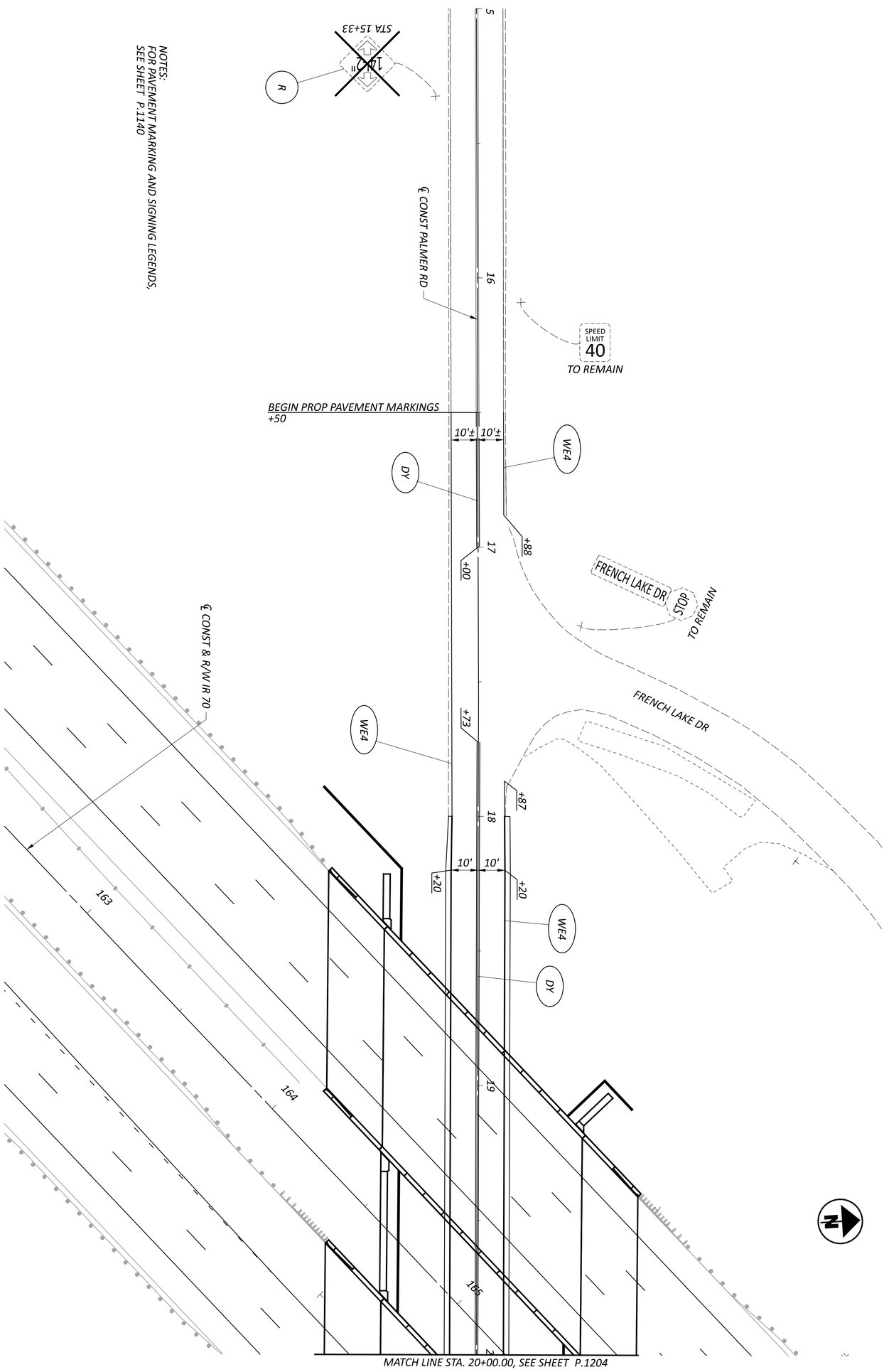

SHEET	TOTAL
P.1203	P.1556

PROJECT ID: 96808

REVIEWER: VDK 04/25/25

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - PALMER RD
STA. 15+00.00 TO STA. 20+00.00

HORIZONTAL SCALE IN FEET

0 20
10 40

MODEL: 96808_TP422 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:06:58 AM USER: brieder
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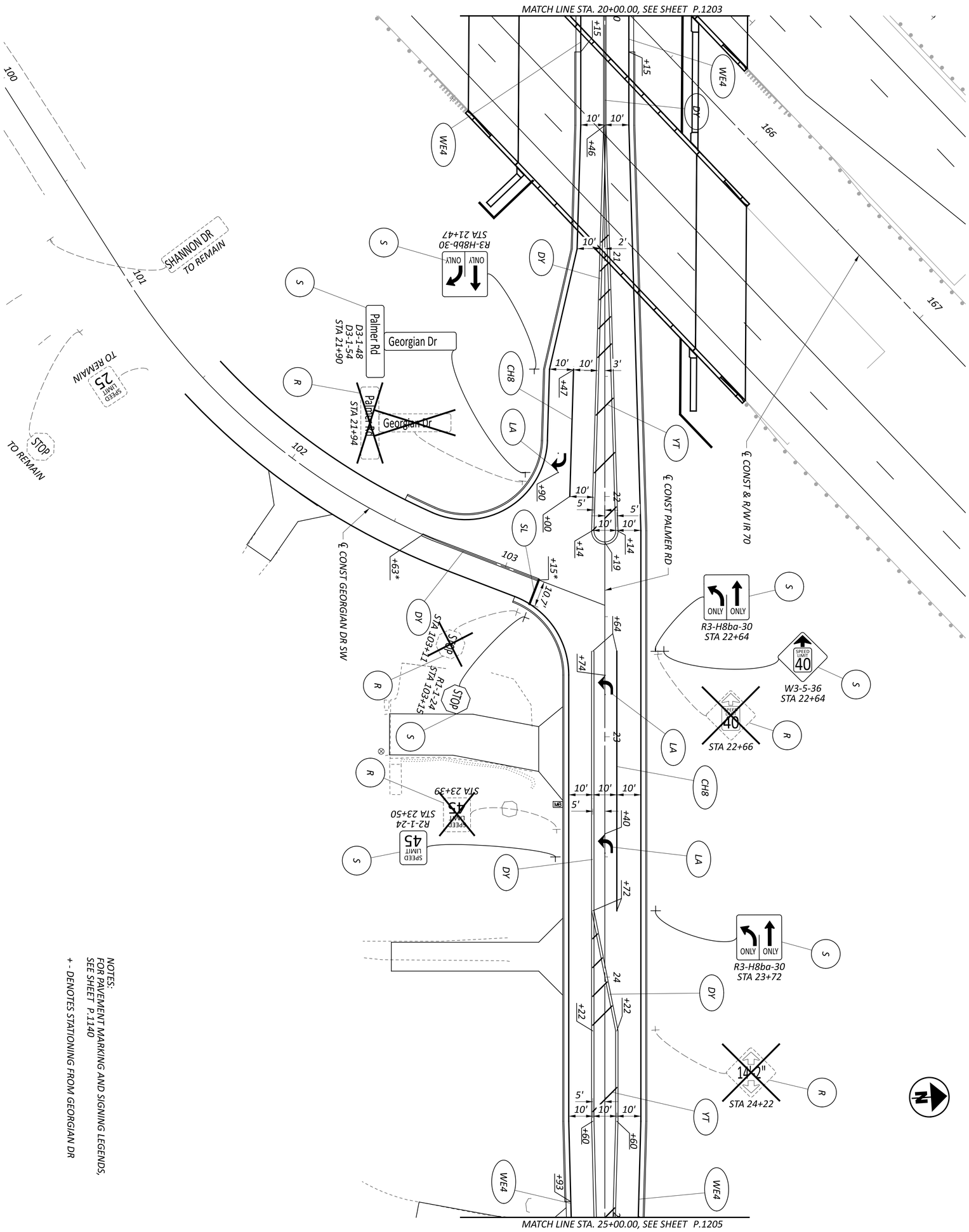


NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS, SEE SHEET P.1140

+ - DENOTES STATIONING FROM GEORGIAN DR

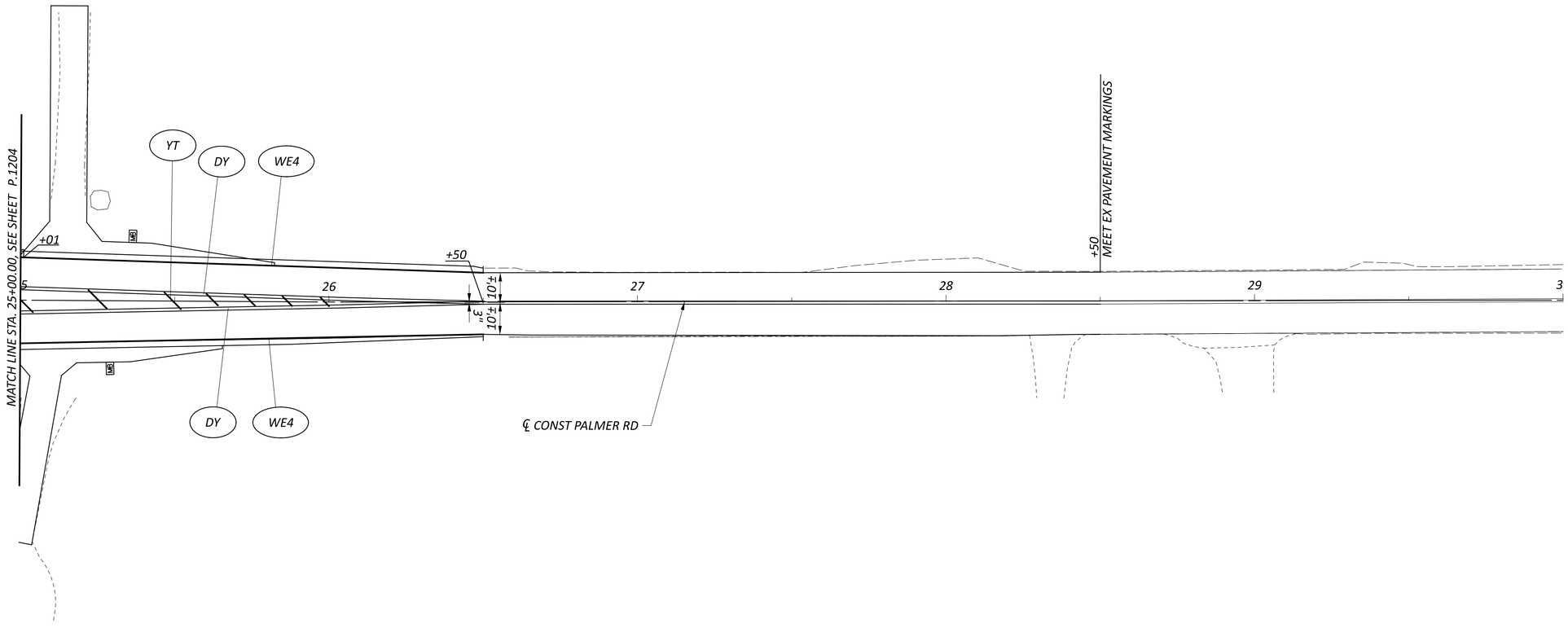
SHEET	TOTAL
P.1204	P.1556

PROJECT ID	REVIEWER
96808	VDK 04/25/25

DESIGNER	DESIGN AGENCY
BER	AMERICAN STRUCTUREPOINT INC.

TRAFFIC CONTROL PLAN - PALMER RD
STA. 20+00.00 TO STA. 25+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40



NOTES:
FOR PAVEMENT MARKING AND SIGNING LEGENDS,
SEE SHEET P.1140

HORIZONTAL
SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - PALMER RD
STA. 25+00.00 TO STA. 30+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 04/25/25

PROJECT ID
96808

SHEET P.1205 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_TP423 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:07:12 AM USER: brieder
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NOTIFICATION

THE CONTRACTOR SHALL GIVE THE ODOT DISTRICT TRAFFIC OFFICE, (740) 323-5182, 10 WORKING DAYS NOTICE PRIOR TO THE NEW SIGNALS BEING PLACED IN OPERATION.

THE SIGNAL INSTALLATIONS SHALL BE INSPECTED BY ODOT DISTRICT TRAFFIC PERSONNEL. ALL DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AND APPROVED BY THE DISTRICT TRAFFIC OFFICE.

GUARANTEE

THE CONTRACTOR SHALL GUARANTEE THAT THE TRAFFIC CONTROL SYSTEM INSTALLED AS PART OF THIS CONTRACT SHALL OPERATE SATISFACTORILY FOR A PERIOD OF 120 DAYS FOLLOWING COMPLETION OF THE 10-DAY PERFORMANCE TEST. IN THE EVENT OF UNSATISFACTORY OPERATION, THE CONTRACTOR SHALL CORRECT FAULTY INSTALLATIONS, MAKE REPAIRS AND REPLACE DEFECTIVE PARTS WITH NEW PARTS OF EQUAL OR BETTER QUALITY.

EQUIPMENT, MATERIAL AND LABOR COSTS INCURRED IN CORRECTING AN UNSATISFACTORY OPERATION SHALL BE BORNE BY THE CONTRACTOR.

THE GUARANTEE SHALL COVER THE FOLLOWING ITEMS OF THE TRAFFIC CONTROL SYSTEM: CONTROLLER, CABINET, UNINTERRUPTIBLE POWER SUPPLY, VEHICLE DETECTION EQUIPMENT, LED LAMP UNITS, NETWORK AND COMMUNICATION/INTERCONNECT EQUIPMENT.

CUSTOMARY MANUFACTURER'S GUARANTEES FOR THE FOREGOING ITEMS SHALL BE TURNED OVER TO THE OHIO DEPARTMENT OF TRANSPORTATION FOLLOWING ACCEPTANCE OF THE EQUIPMENT.

THE COST OF GUARANTEEING THE TRAFFIC CONTROL SYSTEM WILL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS ITEMS MAKING UP THE SYSTEM.

SIGNAL ACTIVATION

PRIOR TO ACTIVATING THE NEW TRAFFIC SIGNAL TO STOP-AND-GO MODE AND/OR REMOVING THE EXISTING TRAFFIC SIGNAL FROM SERVICE, ALL ITEMS IN THE PROPOSED SIGNAL PLAN SHALL BE FULLY COMPLETED, (I.E., VEHICLE DETECTION, PEDESTRIAN SIGNAL HEADS, ETC.). IF THERE ARE CONSTRUCTABILITY ISSUES (I.E., ROADWAY WIDENING, ETC.) THAT PREVENT THE SIGNAL FROM BEING COMPLETED PRIOR TO ACTIVATION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER. THE DISTRICT TRAFFIC ENGINEER WILL THEN REVIEW, APPROVE OR REJECT PROPOSALS TO ACTIVATE THE TRAFFIC SIGNAL PRIOR TO COMPLETION.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER AT LEAST 10 WORKING DAYS PRIOR TO SCHEDULING THE FINAL INSPECTION OF THE SIGNAL INSTALLATION. FINAL INSPECTION IS NOT CONSIDERED COMPLETE UNTIL DESIGNATED DISTRICT TRAFFIC PERSONNEL INSPECT THE TRAFFIC SIGNAL AND ISSUE WRITTEN APPROVAL. IF ISSUES ARE FOUND DURING THE FINAL INSPECTION THAT EFFECT THE SAFETY OF THE TRAVELING PUBLIC AND/OR THE EFFICIENCY OF THE INTERSECTION, THE SIGNAL SHALL NOT BE ACTIVATED ON THE PROPOSED DATE. ANY PUNCH LIST ITEMS THAT ARE FOUND SHALL BE CORRECTED AND REINSPECTED BY DISTRICT TRAFFIC PERSONNEL PRIOR TO FINAL ACCEPTANCE. ODOT FORCES SHALL ONLY ASSUME DAY TO DAY MAINTENANCE OF THE TRAFFIC SIGNAL AFTER FINAL WRITTEN ACCEPTANCE HAS BEEN ISSUED.

WORK INSPECTION

THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER WITH 72-HOUR NOTICE OF ANY SIGNAL WORK TO BE PERFORMED AT THE INTERSECTION SITE(S) SO THAT INSPECTION SERVICES CAN BE SUPPLIED.

POWER SUPPLY FOR TRAFFIC SIGNALS

ELECTRIC POWER SHALL BE OBTAINED FROM THE LOCATION INDICATED ON THE PLANS. POWER SUPPLIED SHALL BE 120 VOLTS.

DETECTION MAINTENANCE

IF VEHICLE DETECTION BECOMES UNEXPECTEDLY DISABLED, REQUIRES MODIFICATION, OR IS SCHEDULED TO BE TEMPORARILY REMOVED DURING THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER.

IF THE LOSS OF VEHICLE DETECTION IS KNOWN PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE DISCUSSED AT THE PRECONSTRUCTION MEETING. AT SUCH TIME, THE DISTRICT TRAFFIC ENGINEER SHALL ADVISE THE PROJECT ENGINEER AND CONTRACTOR ON THE APPROPRIATE ACTION TO RECTIFY ANY LOSS OF VEHICLE DETECTION. THIS MAY INCLUDE PLACING THE TRAFFIC SIGNAL ON MINIMUM OR MAXIMUM RECALL, MODIFYING THE MINIMUM GREEN TIMES, AND REMOVING THE MANLFUNCTIONING DETECTION FROM SERVICE. WHERE NON-INTRUSIVE DETECTION (I.E. VIDEO, RADAR) ALREADY EXISTS, THE CONTRACTOR SHALL INSURE THAT DETECTION IS OPERATING AND MAINTAINED BY RECONFIGURING THE DETECTION UNITS ACCORDINGLY DURING ALL CONSTRUCTION PHASES. THIS IS TO AVOID THE SIGNAL FROM MAXING OUT THE EFFECTED SIGNAL PHASE AND CREATING UNNECESSARY DELAYS.

LOCATIONS WHERE NON-INTRUSIVE DETECTION IS PROPOSED AND THE EXISTING VEHICLE DETECTION IS TO BE ABANDONED, THE NON-INTRUSIVE VEHICLE DETECTION SHALL BE INSTALLED, CONFIGURED AND MADE FULLY FUNCTIONAL PRIOR TO THE EXISTING DETECTION BEING DISABLED. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN AND MODIFY THE DETECTION UNTIL FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL. THIS IS TO ENSURE VEHICLE DETECTION REMAINS FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.

GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.

   A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.
   B. WHEN AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN PLASTIC CONDUIT (725.05), THE INSTALLATION SHALL INCLUDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ADDITION TO THE CONDUCTORS SPECIFIED.
   C. METALLIC CONDUIT CARRYING THE LOOP WIRES FROM IN THE PAVEMENT TO THE PULL BOX SPLICE LOCATION WILL ONLY BE BONDED AT THE PULL BOX END, AND WILL NOT CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR.
   D. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.
   E. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.
   F. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.

2. CONDUITS.

   A. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.
   B. THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DEBURRED AT ALL TERMINATION POINTS.
   C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
   D. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

GROUNDING AND BONDING (CONT.)

3. WIRE FOR GROUNDING AND BONDING.

   A. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS:

      I. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
      II. USE A MINIMUM 8 AWG BETWEEN LOOP DETECTOR PULL BOXES AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.
      III. USE A MINIMUM 8 AWG BETWEEN THE "PREPARE TO STOP WHEN FLASHING" INSTALLATION (INCLUDING SUPPORT) AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.
      IV. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS.

   B. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME WIRE SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.

4. GROUND ROD.

   A. A 3/4-INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
   B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.

5. THE GREEN CONDUCTOR IN SIGNAL CABLES (CONDUCTOR #4) SHALL NOT BE USED TO SUPPLY POWER TO A SIGNAL INDICATION. IT WILL BE CONNECTED TO THE SIGNAL BODY AS AN EQUIPMENT GROUND IN ALUMINUM HEADS AND IT WILL BE UNUSED IN PLASTIC HEADS. UNUSED CONDUCTORS SHALL BE GROUNDED IN THE CABINET. TYPICAL USE OF CONDUCTORS IS AS FOLLOWS:

COND. NO.	COLOR	VEHICULAR SIGNAL	PEDESTRIAN SIGNAL
1	BLACK	GREEN BALL	#1 WALK
2	WHITE	AC NEUTRAL	AC NEUTRAL
3	RED	RED BALL	#1 DW/FDW
4	GREEN	EQUIPMENT GROUND	EQUIPMENT GROUND
5	ORANGE	YELLOW BALL	#2 DW/FDW
6	BLUW	GREEN ARROW	#2 WALK
7	WHITE/BLACK STRIPE	YELLOW ARROW	NOT USED

6. POWER SERVICE AND DISCONNECT SWITCH.

   A. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR. IF SPLICED, IT SHALL BE AN EXOTHERMIC WELD BUTT SPLICE.
   B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.

      I. NEMA CONTROLLER CABINETS: IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.
      II. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH, THE NEUTRAL (AC-) SHALL ONLY BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH, BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.

7. PAYMENT – ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED BY CONTRACT.

ITEM 625 - ARC FLASH CALCULATIONS AND LABEL, TRAFFIC SIGNAL CABINET

THIS ITEM SHALL INCLUDE PROVIDING ARC FLASH HAZARD CALCULATION AND LABELS PER SUPPLEMENTAL SPECIFICATION 825. LABELS SHALL BE APPLIED TO THE OUTSIDE OF EACH CONTROLLER CABINET. LABELS SHALL BE PROVIDED BY THE CONTRACTOR.

LOCATIONS OF ARC FLASH HAZARD LABELS ARE:

SR 256 / IR 70 EB RAMPS	(STA. 19+57.2, 89.0' RT.)-SIGNAL CONTROLLER
SR 256 / IR 70 WB RAMPS	(STA. 27+71.2, 78.2' LT.)-SIGNAL CONTROLLER
SR 204 (BLACKLICK-EASTERN RD NW) / TAYLOR RD / WELLESLEY DR	(STA. 43+12.3, 71.4' LT.)-SIGNAL CONTROLLER
TAYLOR ROAD / IR 70 EB RAMPS	(STA. 35+43.4, 52.3' LT.)-SIGNAL CONTROLLER
TAYLOR ROAD / IR 70 WB RAMPS	(STA. 43+39.3, 64.3' LT.)-SIGNAL CONTROLLER
TAYLOR ROAD / TAYLOR ROAD SW	(STA. 50+46.1, 69.8' LT.)-SIGNAL CONTROLLER

PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR EACH ITEM 625 - ARC FLASH CALCUALTIONS AND LABEL FOR EACH SET OF CALCULATIONS ACCEPTED AND LABEL INSTALLED, INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY.

ITEM 632 - REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLE, MESSENGER WIRE, STRAIN POLES, CABINET, CONTROLLER, ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. UNLESS NOTED, POWER SERVICES SHALL BE REMOVED IN ACCORDANCE WITH C&MS 625.21F. REMOVED ITEMS SHALL BE REUSED AS PART OF A NEW INSTALLATION ON THE PROJECT OR STORED ON THE PROJECT FOR SALVAGE BY THE OHIO DEPARTMENT OF TRANSPORTATION IN ACCORDANCE WITH THE LISTING GIVEN HEREIN.

THE ITEMS TO BE DELIVERED, DISPOSED OF, OR REUSED SHALL BE PER THE REMOVAL CHART ON THE SIGNAL PLAN FOR THE FOLLOWING INTERSECTIONS:

1. SR 256 / IR 70 EB RAMPS
2. SR 256 / IR 76 WB RAMPS
3. SR 204 (BLACKLICK-EASTERN RD NW) / TAYLOR RD / WELLESLEY DR

REMOVED ITEMS SHALL BE DELIVERED TO THE NEAREST ODOT FACILITY:

ODOT DISTRICT 5
ATTN: BRIAN BOSCH
9600 JACKSONTOWN ROAD, JACKSONTOWN, OH 43030
(740) 323-5182

IN THE EVENT THE ITEMS STORED ON THE PROJECT FOR SALVAGE BY THE LOCAL AGENCY ARE NOT REMOVED, THE CONTRACTOR SHALL, WHEN DIRECTED BY THE ENGINEER IN WRITING, REMOVE AND DISPOSE OF THE ITEMS AT NO ADDITIONAL COST TO THE PROJECT.

ITEMS NOT SPECIFIED FOR STORAGE SHALL BE DISPOSED OF BY THE CONTRACTOR.

ITEM 632 - TEST HOLE PERFORMED

IT IS ANTICIPATED THAT THE CONTRACTOR WILL ENCOUNTER UNDERFOUND UTILITIES WHILE EXCAVAING FOR SIGNAL SUPPORT FOUNDATIONS OR SIMILAR FOUNDATIONS. AFTER ACCURATELY IDENTIFYING THE PROPOSED LOCATION OF THE FOUNDATION, AS SHOWN IN THE PLANS AND AFTER MODIFYING THAT LOCATION, IF NECESSARY, BASED ON THE FIELD MARKING OF UNDERGROUND UTILITY LOCATION, THE CONTRACTOR DISCOVERS A UTILITY CONFLICT DURING THE EXCAVATION OPERATION, THE CONTRATOR WILL BE COMPENSATED FOR EACH PARTIAL FOUNDATION EXCAVATION ACCORDING TO THE BID PRICE.

BEFORE THE CONTRACTOR BEGINS THE EXCAVATION AT THE MODIFIED LOCATION, THE CONTRACTOR SHALL VERIFY THAT THERE WILL BE NO OVERHEAD UTILITY CONFLICTS RESULTING FROM THE NEW SIGNAL SUPPORT LOCATION. NEW SUPPORT LOCATIONS ARE TO BE APPROVED BY THE ENGINEER.

THE WORK WILL INCLUDE BACKFILLING, COMPACTING, AND RESTRATION OF THE EXCAVATION TO THE SITE'S ORIGINAL CONDITION.

EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT.

PAYMENT FOR THIS ITEM SHALL BE AT THE UNIT PRICE BID PER EACH ITEM 632 - TEST HOLE PERFORMED TO BE USED AT THE DIRECTION OF THE ENGINEER.

TRAFFIC SIGNAL NOTES

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DESIGN AGENCY
GPD GROUP
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DESIGNER
BCT

REVIEWER
KMG 04/04/25

PROJECT ID
96808

SHEET P.1206 TOTAL P.1556

ITEM 632 - SIGNAL SUPPORT FOUNDATION

PRIOR TO ORDERING THE SIGNAL SUPPORTS, THE CONTRACTOR SHALL CONTACT OUPS TO HAVE ALL THE UTILITIES LOCATED IN THE FIELD. THEN, THE CONTRACTOR SHALL MEET THE PROJECT ENGINEER TO LOCATE THE PROPOSED SUPPORT LOCATIONS TO INSURE THERE ARE NO CONFLICTS WITH UTILITIES. IF THERE ARE ISSUES, THE PROJECT ENGINEER SHALL PROVIDE GUIDANCE AS TO THE RELOCATION OF THE SUPPORTS.

DUE TO THE FURTHER POSSIBILITIY OF CONFLIC WITH EXISTING OR PROPOSED UNDERGROUND OBSTRUCTIONS (INCLUDING THE POSSIBILITY OF UNRECORDED OBSTRUCTIONS) WHICH COULD AFFECT THE LOCATION OF THE FOUNDATION FOR THIS ITEM, AND CONSEQUENTLY, THE DESIGN OF THE SUPPORT AND/OR ARMS, THE CONTRACTOR SHALL NOT PLACE FINAL ORDERS FOR THE ITEM UNTIL THE FOUNDATIONS HAVE BEEN INSTALLED, AT FINAL GRADE, AND THE CONTRACTOR HAS RECEIVED, FROM ENGINEER, WRITTEN NOTICE TO PROCEED WITH THE ORDERS FOR THE ITEM.

IF ANY FOUNDATION LOCATIONS MUST BE ADJUSTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OHIO DEPARTMENT OF TRANSPORTATION, WHO WILL DETERMINE THE REVISED LOCATION AND IF NEEDED, THE SUPPORT DESIGN. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DETERMINING THE REVISED DESIGN. THE ENGINEER WILL INFORM THE CONTRACTOR OF ANY CHANGES NECESSARY AND AUTHORIZE THE CONTRACTOR TO ORDER THE SUPPORT.

THE CONTRACTOR SHALL, WHEN DEVELOPING THE PROGRESS SCHEDULE, AND THOSE OF SUBCONTRCATORS, ENSURE THAT THE FOUNDATIONS ARE INSTALLED AT THE EARLIEST TIME AS IS FEASBILE AND PRACTICAL, AND SHALL INCLUDE SUFFICIENT TIME IN THE PROGRESS SCHEDULE FOR ORDERING, MANUFACTURING, DELIVERY, AND INSTALLATION OF THE SUPPORT ITEMS AFTER THE FOUNDATIONS ARE IN PLACE.

NO PAYMENTS FOR DELIVERED MATERIALS FOR THE FOUNDATION OR SUPPORT ITEMS SHALL BE MADE UNTIL THE FOUNDATIONS ARE IN PLACE, AND IF CHANGES IN THE DESIGN OF THIS IEM ARE REQUIRED, NO PAYMENT SHALL BE MADE FOR THE ITEMS MANUFACTURED TO THE ORIGINAL DESIGN.

PAYMENT WILL BE AT CONTRACT UNIT PRICE AND WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND OTHER INCIDENTALS NECESSARY FOR EACH SUPPORT FURNISHED, IN PLACE, COMPLETE AND ACCEPTED.

ITEM 632 - POWER SERVICE, AS PER PLAN

POWER SERVICE SHALL BE AS PER C&MS ITEM 632.24 AND SCD TC-83.10 WITH THE FOLLOWING EXCEPTIONS:

1. ALL POWER SERVICES SHALL BE METERED. THE METER SHALL HAVE A LEVER OPERATED BYPASS.
2. THE CONTRACTOR SHALL SUPPLY THE NECESSARY METER BASES.
3. THE METER BASE MOUNTING HEIGHT SHALL BE NO MORE THAN 5 FEET HIGH TO THE CENTER OF THE METER BASE FROM THE GROUND.
4. THE POWER SERVICE BLIND HALF COUPLING SHALL BE TWENTY-SEVEN (27) INCHES ABOVE THE BOTTOM OF THE SIGNAL SUPPORT BASE PLATE AND SHALL BE WELDED TO THE SUPPORT POLE.
5. CONDUIT FROM THE BOTTOM OF THE DISCONNECT SWITCH ENCLOSURE INTO THE BOTTON OF THE CONTROLLER CABINET WILL NOT BE PERMITTED. POWER SERVICE WIRES FROM THE DISCONNECT SWITCH ENCLOSURE TO THE CONTROLLER CABINET SHALL BE ROUTED THROUGH THE SIGNAL SUPPORT.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS AEP MAY REQUIRE FOR THE POWER SERVICE HOOK UP. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT AEP FOR THE ELECTRICAL SERVICE CONNECTION. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR SPLICE POWER CABLES INTO AEP'S CIRCUITS. THE VOLTAGE SUPPLIED SHALL BE NOMINALLY 120 VOLTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND PAYING OF ALL FEES. THE CONTRACTOR SHALL PAY ALL POWER CHARGES UNTIL THE SIGNAL IS ACCEPTED BY THE OHIO DEPARTMENT OF TRANSPORTATION.

DUE TO THE INTENDED RELOCATION OF EXISTING UTILITY POLES, THE PROPOSED POWER SOURCE LOCATION HAS NOT BEEN IDENTIFIED AT ALL PROJECT INTERSECTIONS. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POWER SOURCE LOCATION AT ANY INTERSECTION THAT HAS NOT BEEN PREVIOUSLY IDENTIFIED IN THE PLANS. ALL POWER LOCATIONS SHALL BE APPROVED BY THE ENGINEER. REGARDLESS OF WHETHER THE POWER SOURCE LOCATION HAS BEEN IDENTIFIED IN THE PLANS OR NOT, ALL ITEMS ASSOCIATED WITH THE POWER SERVICE THAT ARE NECESSARY TO PROVIDE COMPLETE ELECTRICAL SERVICE TO EACH TRAFFIC SIGNAL INSTALLATION, INCLUDING, BUT NOT LIMITED TO CONDUIT RISERS, CONDUIT, TRENCHING, PULL BOXES AND POWER SERVICE CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN, AS PER THE C&MS 632.24.

THE COST FOR ALL NECESSARY ITEMS AND ASSOCIATED LABOR SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR ITEM 632 - POWER SERVICE, AS PER PLAN.

ITEM 632 - ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN

THE PROVIDED PUSHBUTTONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF C&MS 632.09 AND 732.06 AND SECTIONS 4E.09-4E.13 OF THE OMUTCD.

THE CONTRACTOR SHALL PROVIDE ONE (1) CENTRAL CONTROL UNIT PER INTERSECTION. THE CENTRAL CONTROL UNIT SHALL BE PAID FOR UNDER A SEPARATE PAY ITEM.

THIS ITEM SHALL INCLUDE ALL LABOR AND MATERIAL COSTS ASSOCIATED WITH THE PROVISIONS AND INSTALLATION OF THE PUSHBUTTON AS OUTLINED ABOVE. PAYMENT FOR THIS WORK SHALL BE AT THE CONTRACT UNIT PRICE FOR ITEM 632 - ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN AND WILL BE MEASURED BY THE NUMBER OF COMPLETE UNITS FURNISHED, INSTALLED AND ACCEPTED.

ITEM 625 - BRACKET ARM, AS PER PLAN
ITEM 632 - SIGNAL SUPPORT, TYPE TC-12.31 (BY DESIGN), WITH MAST ARMS (BY DESIGN) AND (BY DESIGN), AS PER PLAN
ITEM 632 - (COMBINATION) SIGNAL SUPPORT, TYPE TC-81.22 (BY DESIGN), AS PER PLAN
ITEM 632 - PEDESTAL, (BY DESIGN), TRANSFORMER BASE, AS PER PLAN

ALL BRACKET ARMS SHALL CONFORM TO C&MS ITEM 625.09 AND 725.21.

ALL PEDESTALS SHALL CONFORM TO C&MS ITEM 632.19 AND 732.15 AND SHALL BE EQUIPPED WITH A TRANSFORMER BASE.

ALL SIGNAL SUPPORTS SHALL CONFORM TO ITEM 632.15 AND 732.11 EXCEPT THAT ALL POLES SHALL BE TAPERED TUBES OF A CONTINUOUS TAPEER. POLES CONSISTING OF STRAIGHT SECTIONS WITH A TAPERED EFFECT ACCOMPLISHED BY USE OF REDUCERS SHALL NOT BE PERMITTED. POLE SHALL BE ROUND IN SHAPE. OCTAGON SHAPED POLES ARE NOT PERMITTED.

THE SIGNAL SUPPORTS, MAST ARMS, BRACKET ARMS, PEDESTALS, BASES AND ALL EXPOSED HARDWARE FOR THE FOLLOWING INTERSECTIONS SHALL BE PPROVIDED WITH A SEMI-GLOSS FINISH AS NOTED BELOW PER SUPPLEMENTAL SPECIFICATION 916:

1. DARK BRONZE (FEDERAL COLOR 20040)
   i. SR 256 / IR 70 EB RAMPS
   ii. SR 256 / IR WB RAMPS
2. BLACK (FEDERAL COLOR 27038)
   i. TAYLOR ROAD / TAYLOR ROAD SW

ALL PAINTED EQUIPMENT SHALL BE SHIPPED IN A MANNER TO MINIMIZE DAMAGE IN TRANSIT. PAINTED SURFACES WILL BE PROTECTED BY FOAM PADDING, CARDBOARD WRAPPING, SPIRAL WRAPPING WITH WAXED PAPER, CRATING, OR A COMBINATION OF THE LISTED METHODS. THE METHOD UTILIZED SHALL BE SELECTED BY THE SUPPORT MANUFACTURER AS MOST APPROPRIATE FOR THE PROJECT BASED ON POLE SIZES, QUANTITIES, CONFIGURATIONS AND METHOD OF TRANSPORTATION.

ANY FIELD TOUCH-UPS OF THE PAINTED SURFACE FOR ACCIDENTAL DAMAGE DURING TRANSPORT AND/OR INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE PAY ITEM.

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE AND WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND OTHER INCIDENTALS NECESSARY FOR EACH SUPPORT FURNISHED, IN PLACE, COMPLETE AND ACCEPTED.

ITEM 632 - PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF C&MS 632 AND 732 THE FOLLOWING SHALL APPLY:

1. SIGNAL HEADS AND VISORS SHALL BE CONSTRUCTED OF BLACK POLYCARBONATE PLASTIC AND MEET ITE SPECIFICATIONS.
2. PROPER EXTERIOR COLORS SHALL BE OBTAINED BY USE OF COLORED PLASTIC MATERIAL RATHER THAN PAINTING.
3. PIPE, SPACERS AND FITTINGS CONSTRUCTED OF POLYCARBONATE PLASTIC MAY BE USED IN LIEU OF GALVANIZED STEEL OR ALUMINUM.
4. THE PEDESTRIAN SIGNAL HEAD SHALL BE OF THE LED COUNTDOWN TYPE.
5. NEW ATTACHMENT HARDWARE AND FITTINGS SHALL BE USED AND SHALL BE BLACK IN COLOR.
6. THE LIGHT EMITTING DIODE (LED) MODULES SHALL MEET THE REQUIREMENTS OF C&MS 732.04. THE CONTRACTOR SHALL PROVIDE ODOT, IN WRITING, WITH THE LED MANUFACTURER NAME, SERIAL NUMBER, PART NUMBER, DESCRIPTION OF LAMP, AND DATE OF MANUFACTURER FOR ALL LED UNITS THAT ARE TO BE USED IN THE SIGNAL HEAD PRIOR TO INSTALLATION, FOR ACCEPTANCE AND WARRANTY PURPOSES.

PAYMENT FOR ITEM 632 - PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN SHALL BE MADE FOR THE NUMBER OF COMPLETE SIGNAL HEAD FURNISHED AND INSTALLED, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND NEW ATTACHMENT HARDWARE.

ITEM 633 - CABINET, TYPE 332, AS PER PLAN

THE CABINET SHALL BE FURNISHED AND INSTALLED ACCORDING TO CMS 633 AND 733 AND BE LISTED ON THE TRAFFIC AUTHORIZED PRODUCTS LIST (TAP).

THE CABINET SHALL BE FURNISHED WITH AN EDI MONITOR AS ALLOWED ON THE TAP/APPROVED PRODUCTS LIST.

THE CONTRACTOR SHALL NOT REASSIGN THE CABINET DETECTOR INPUTS IN ORDER TO REDUCE THE NUMBER OF 2-CHANNEL DETECTOR UNITS SUPPLIED AND SHALL USE THE STANDARD CALTRANS INPUT FILE DESIGNATIONS FOLLOWING PLAN INSERT SHEET 203324.

PAYMENT FOR ITEM 633 CABINET, TYPE 332, AS PER PLAN WILL BE AT THE CONTRACT BID PRICE PER EACH COMPLETE AND IN PLACE INCLUDING ALL CONNECTIONS TESTED AND ACCEPTED.

ITEM 633 - UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF C&MS 633 AND 733, A CABINET RISER (8-INCH MINIMUM) AND ANCHOR BOLTS WILL BE PROVIDED FOR BASE-MOUNTED CABINETS. BEFORE PERFORMING THE WORK, THE CONTRACTOR, THE DISTRICT TRAFFIC ENGINEER AND THE PROJECT ENGINEER WILL PERFORM A SITE INSPECTION TO ESTABLISH THE LOCATION OF THE UPS CABINET AND FOUNDATION.

THE UPS CABINET SHALL INCLUDE A GENERATOR POWER PANEL WITH A HEAVY-DUTY POWER RELAY VERSUS THE LINE VOLTAGE GENERATOR SWITCH. THE GENERATOR INLET SHALL BE A RECESSED PANEL WITH A DOOR THAT IS FLUSH WITH THE EXTERNAL SIDE OF THE UPS CABINET. IT SHALL INCLUDE A RECESSED PLUG, AUTOMATIC TRANSFER SWITCH AND A DOOR THAT SECURELY CLOSES OVER THE POWER CORD.

THE CABINET SHALL INCLUDE A PULL-OUT DRAWER TO AID IN BATTERY MAINTENANCE THAT IS INTEGRAL TO EACH SHELF.

THE CABINET SHALL HAVE A DOOR STOP MECHANISM AND THERMOSTATICALLY CONTROLLED FAN. ADDITIONALLY, THE CABINET SHALL BE BUILT WITH ALL BATTERIES ALWAYS BELOW THE INVERTER TO AVOID POTENTIAL FURTHER BATTERY LEAKAGE ISSUES.

THE CABINET SHALL INCLUDE A BATTERY BALANCING DEVICE THAT REGULATES THE BATTERIES AND OPTIMIZES PERFORMANCE.

THE UPS FURNISHED SHALL BE AN ALPHA MANUFACTURED UNIT AND LISTED ON THE TRAFFIC AUTHORIZED PRODUCTS (TAP) LIST.

AFTER FOUR (4) HOURS OF BATTERY RUNTIME, THE SYSTEM SHALL BE PROGRAMMED TO SWITCH THE INTERSECTION FROM FULL OPERATION TO CONTROLLER AUTOMATIC FLASH OPERATION THROUGH THE MONITOR. THE CONTROLLER SHALL BE PROGRAMMED SO THAT FLASH OPERATION SHALL BEGIN ONCE THE INTERSECTION RUNS MINOR STREET GREEN (TYP. PH. 4 & 8), ALL-RED CLEARANCE, AND THEN FLASH OPERATION.

THE UPS OUTPUT NOTIFICATIONS FOR ON BATTERY, BATTERY 2-HOUR TIMER, AND LOW BATTERY SHALL BE WIRED INTO THE TRAFFIC SIGNAL CABINET BACK PANEL WITH SPECIAL STATUS ALARMS FOR EACH OUTPUT INTO THE SIGNAL CONTROLLER.

THIS ITEM SHALL INCLUDE A RED LED STATUS INDICATOR LAMP TO ALLOW MAINTENANCE PERSONNEL AND LAW ENFORCEMENT TO QUICKLY ASSESS WHETHER A TRAFFIC SIGNAL CABINET IS BEING POWERED BY A UPS. THE LED HOUSING SHALL BE NEMA 4X, IP65 OR IP66, RATED FOR OUTDOOR USE AND BE TAMPER/ SHATTER RESISTANT. IT SHALL BE A DOMED ENCLOSURE CONTAINING A RED LENS WITH LED THAT IS VISIBLE FROM 100 FOOT MINIMUM. THE ENCLOSURE AND LED MODULE SHOULD BE PLACED ON THE SIDE OF THE UPS CABINET FACING TOWARDS THE MAINLINE ROADWAY AND SEALED FROM WATER INTRUSION. IT SHOULD BE WIRED USING MINIMUM 20GA STRANDED, INSULATED HOOKUP WIRE TO THE STATUS RELAY OUTPUTS OF THE UPS. THE WIRES SHALL BE TERMINATED BY LUGS AT THE DISPLAY END AND PERMANENTLY LABELED "BACKUP POWER STATUS DISPLAY,"WITH WIRE POLARITY INDICATED. THE RED LED SHALL ONLY ILLUMINATE TO INDICATE THE CABINET IS OPERATING UNDER UPS BACKUP POWER (THE "BACKUP"OPERATING CONDITION). THIS ITEM INCLUDES PROGRAMMING THE UPS STATUS RELAY OUTPUTS TO PRODUCE THE LAMP STATUS DISPLAYS. THESE STATUS DISPLAYS WILL BE SOLID 100% DUTY CYCLE (NOT FLASHING) DISPLAYS. THE OPERATING VOLTAGE OF THE LED LAMP SHALL BE 120V AC UNLESS OTHERWISE INDICATED.

ITEM 633 - CABINET FOUNDATION, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT C&MS 633, 733 AND SCD TC-83.20, THE CONTROLLER FOUNDATION SHALL BE CONSTRUCTED PER THE DETAIL ON SHEET XX.

ITEM 633 - CONTROLLER WORK PAD, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT C&MS 633, 733 AND SCD TC-83.20, THE CONTROLLER WORK PAD SHALL BE CONSTRUCTED TO MATCH THE WIDTH OF THE CABINET FOUNDATION, PER THE DETAIL ON SHEET XX.

ITEM 632 - SIGNALIZATION, MISC.: ACCESSIBLE PEDESTRIAN PUSHBUTTON CENTRAL CONTROL UNIT

THE CONTRACTOR SHALL INSTALL A PUSHBUTTON CENTRAL CONTROL UNIT THAT IS MANUFACTURED BY THE SAME MANUFACTURER AS THE ACCESSIBLE PEDESTRIAN PUSHBUTTONS. THE UNIT POWER SUPPLY, ALL CONNECTOR CABLES, INTERCONNECT BOARD AND PROGRAMMING BY THE VENDOR SHALL BE PROVIDED AND PAID FOR UNDER THIS PAY ITEM.

PAYMENT FOR THIS ITEM SHALL BE AT THE UNIT PRICE BIG PER EACH, COMPLETE AND IN PLACE, INCLUDING ALL CONNECTIONS TESTED AND ACCEPTED.

TRAFFIC SIGNAL NOTES

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GPD GROUP*
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DESIGNER
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REVIEWER
KMG 04/04/25

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ITEM 809 - EMERGENCY VEHICLE PREEMPTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING PREEMPTION EQUIPEMENT IN THE LOCATIONS AND LOCAL CONTROLLERS AS SHOWN IN THE PLANS. THE PREEMPTION SHALL CONFORM TO ODOT SUPPLEMENTAL SPECIFICATION 809 AND SHALL UTILIZE COMMUNICATIONS TO IDENTIFY THE PRESENCE OF AN EMERGENCY PRIORITY VEHICLE. IT SHALL CUASE THE TRAFFIC SIGNAL CONTROLLER TO SELECT A PRE-PROGRAMMED PREEMPTION PLAN THAT WILL DISPLAY AND HOLD THE DESIRED SIGNAL PHASE FOR THE DIRECTION OF THE EMERGENCY VEHICLE.

THE COMMUNICATIONS MEDIUM SHALL EMPLOY GPS DETECTION TECHNIQUES TO DETERMINE AND LOG THE PRESENCE OF THE EMERGENCY VEHICLE. THE SYSTEM SHALL DETECT THE PRESENCE OF THE VEHICLE THROUGH AN EMITTING DEVICE LOCATED ON THE EMERGENCY VEHICLE. THE SYSTEM SHALL ACTIVATE THE PREEMPTION SEQUENCE BY APPLYING A SIGNAL TO ONE OF THE CONTROLLER'S PREEMPT DISCRETE INPUTS. THE SYSTEM SHALL BE COMPLETELY COMPATIBLE WITH THE CONTROLLER. OPTICOM GPS EMERGENCY PREEMPTION UNITS SHALL BE UTILIZED.

THE EQUIPMENT SHALL BE SHELF OR RACK MOUNTED AND EASILY REMOVABLE AND REPLACEABLE WITHIN THE CABINET. SUPPLY EQUIPMENT COMPLETELY WIRED IN THE CONTROLLER CAINET AND TESTED. THE SYSTEM SHALL BE CAPABLE OF PREEMPTING AND RECEIVING PRIORITY FOR EACH APPROACH TO THE INTERSECTION. IT SHALL BE POSSIBLE TO DETECT THE EMERGENCY VEHICLE AT LEAST 2000 FEET FROM THE INTERSECTION IN AN 80DB-A NOIST ENVIRONMENT.

ALL PREEMPTION PLANS SHOULD BE PROGRAMMED TO PREVENT THE YELLOW TRAP, UNLESS AS DIRECTED BY THE DISTRICT TRAFFIC ENGINEER. YELLOW TRAP PREVENT WILL FORCE THE TRANSITION THROUGH YELLOW CHANGE AND RED CLEARANCE FOR RESOLUTION OF YELLOW TRAP IF ANY PHASE OPPOSING THE PREEMPTION CLEARANCE PHASE(S) IS ACTIVE AND DISPLAYING A GREEN OR FLASHING YELLOW ARROW INDICATION WHEN THE PREEMPTION PLAN IS ACTIVATED AND THE PREEMPTION CLEARANCE PHASE(S) ARE GREEN.

SUPPLY EACH INTERSECTION SHOWN IN THE PLANS WITH THE FOLLOWING COPONENETS, EACH BID SEPARATELY:

1. *PREEMPT RECEIVING UNIT.*
2. *PREEMPT DETECTOR CABLE.*
3. *PREEMPT PHASE SELECTOR ASSEMBLY AND INTERFACE WIRING PANEL.*
4. *CONFIRMATION LIGHT.*

THE MODEL SUPPLIED SHALL BE OPTICOM GPS MANUFACTURED BY MIOVISION (FORMERLY GLOBAL TRAFFIC TECHNOLOGIES, LLC).

THE CITIES SHALL BE SUPPLIED WITH SOFTWARE REQUIRED TO CALIBRATE, LOG, AND OPERATE THE SYSTEM. TWO (2) OPERATING AND INSTRUCTION MANUALS SHALL BE SUPPLIED WITH THE SOFTWARE.

THE CONTRACTOR SHALL THOROUGHLY TEST THE INSTALLED SYSTEM. AT A MINIMUM, THE CONTRACTOR SHALL VERIFY THAT ALL CONNECTIONS ARE PROPERLY MADE TO THE CONTROLLER CABINETS. THE CONTRACTOR SHALL CHECK THAT THE RANGE SETTING IS PROPER FOR EACH INTERSECTION. THE CONTRACTOR SHALL DETERMINE THAT ALL PHASE SELECTORS ARE SELECTING THE PROPER PHASE AND TIMING ACCURATELY. THE CONTRACTOR SHALL VERIFY THAT ALL VEHICLE EMITTERS ARE BEING PROPERLY DETECTED.

PAYMENT FOR ITEM 809 - EMERGENCY VEHICLE PREEMPTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH PREEMPTION IN PLACE AND FULLY OPERATIONAL AS SHOWN IN THE PLANS, EXCEPT FOR THOSE ITEMS BID SEPARATELY.

ITEM 809 - PREEMPT RECEIVING UNIT, AS PER PLAN

RECEIVING UNITS SHALL CONSIST OF A LIGHTWEIGHT, WEATHERPROOF AND DIRECTIONAL ASSEMBLY. EACH RECEIVING UNIT SHALL BE 360 DEGREE ADJUSTABLE. THE RECEIVING UNIT SHALL BE CAPABLE OF SENDING THE PROPER ELECTRICAL SIGNAL TO THE TRAFFIC SIGNAL CONTROLLER VIA THE PREEMPTION DETECTOR CABLE. RECEIVING UNITS SHALL BE SUPPLIED WITH MAST ARM MOUNTING HARDWARE AS SHOWN IN THE PLANS. MOUNTING HARDWARE COLORS SHALL MATCH THE FINISH OF THE MAST ARMS. FURNISH PREEMPTION RECEIVING UNITS WITH 60-MONTH WARRANTIES OR FOR THE MANUFACTURER'S STANDARD WARRANTY, WHICHEVER IS GREATER. ENSURE THAT THE WARRANTY PERIOD BEGINS ON THE DATE OF SHIPMENT TO THE PRECT. ENSURE THAT EACH UNIT HAS A PERMANENT LABEL OR STAMP INDICATING THE DATE OF SHIPMENT.

THE PREEMPTION RECEIVING UNIT SHALL BE OPTICOM MODEL 3100 GPS RADIO UNIT AS MANUFACTURED BY MIOVISION (FORMERLY GLOBAL TRAFFIC TECHNOLOGIES, LLC.)

PAYMENT FOR ITEM 809 - PREEMPT RECEIVING UNIT, AS PER PLAN SHALL BE AT THE CONTRACT UNIT FOR EACH RECEIVING UNIT IN PLACE, COMPLETELY INSTALLED AT THE LOCATION SHOWN IN THE PLANS, WIRED, TESTED AND ACCEPTED.

ITEM 809 - PREEMPT DETECTOR CABLE

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING PREEMPTION DETECTOR HOME RUN CABLE IN THE LOCATIONS SHOWN IN THE PLANS. IT SHALL CONNECT THE PREEMPT RECEIVING UNITS TO THE PHASE SELECTORS IN THE LOCAL CONTROLLER CABINET.

PREEMPTION DETECTOR CABLE SHALL CONFORM TO ODOT SPECIFICIATION 632. ONLY ONE EXTERNAL SPLICE SHALL BE PERMITTED BETWEEN PREEMPTION RECEIVER UNIT AND CONTROLLER CABINET. THIS SPLICE SHALL MEET THE REQUIREMENTS OF C&MS 632.23 USING A WATERPROOF EPOXY SPLICE KIT. THE CABLE SHALL BE APPROVED FOR BOTH OVERHEAD AND UNDERGROUND USE. THE JACKET SHALL WITHSTAND EXPOSURE TO SUNLIGHT AND ATMOSPHERIC TEMPERATURES AND STRESSES REASONABLY EXPECTED IN NORMAL INSTALLATIONS.

PAYMENT FOR ITEM 809 - PREEMPT DETECTOR CABLE SHALL BE MADE AT THE CONTRACT UNIT PRICE PER FOOT FOR THE CABLE FURNISHED, IN PLACE, ALL CONNECTIONS MADE AND WIRING COMPLETED, TESTED, AND ACCEPTED.

ITEM 809 - PREEMPT PHASE SELECTOR, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTLLING PREEMPT PHASE SELECTORS INCLUDING WIRING INTERFACE PANELS IN THE LOCAL CONTROLLER CABINET AND ALL OTHER ACCESSORIES THAT ARE NECESSARY TO MAKE THE PREEMPT PHASE SELECTORS COMPLETELY FUNCTIONAL AND OPERATIONAL AS SHOWN IN THE PLANS. THIS ITEM SHALL INCLUDE THE EXTRA CABINET SPACE NECESSARY TO BE LOCATED IN THE LOCAL CONTROLLER CABINETS WHERE INDICATED IN THE PLANS.

THE PHASE SELECTORS SHALL CONSIST OF A MODULE OR MODULES THAT WILL PROVIDE THE NECESSARY INPUTS TO THE CONTROLLER. PHASE SELECTORS SHALL BE SUPPLIED WITH SUFFICIENT QUANTITIES OF CHANNELS TO PROVIDE PREEMPTION FOR ALL APPROACHES TO THE INTERSECTION SEPARATELY. POWER SHALL BE OBTAINED FROM THE PHASE SELECTOR OR PHASE SELECTOR POWER SUPPLY AND NOT FROM THE LOCAL CONTROLLER TIMER.

THE PHASE SELECTORS SHALL HAVE FRONT PANEL INDICATORS FOR ACTIVE PREEMPT CHANNEL STATUS. IT SHALL HAVE TEST SWITCHES TO ACTIVATE ALL PREEMPT CHANNELS.

THE PHASE SELECTOR SHALL BE OPTICOM MODEL 764 MULTIMODE PHASE SELECTOR AS MANUFACTURED BY MIOVISION (FORMERLY GLOBAL TRAFFIC TECHNOLOGIES, LLC).

FURNISH PREEMPT PHASE SELECTORS WITH 60-MONTH WARRANTIES OR FOR THE MANUFACTURER'S STANDARD WARRANTY WHICHEVER IS GREATER. ENSURE THAT THE WARRANTY PERIOD BEGINS ON THE DATE OF SHIPMENT TO THE PROJECT. ENSURE THAT EACH UNIT HAS A PERMANENT LABEL OR STAMP INDICATING THE DATE OF SHIPMENT.

PAYMENT FOR ITEM 809 PREEMPT PHASE SELECTOR, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH PHASE SELECTOR IN PLACE, COMPLETELY INSTALLED IN THE LOCAL CONTROLLER SHOWN IN THE PLANS, WIRED, TESTED AND ACCEPTED.

ITEM 809 - PREEMPT CONFIRMATION LIGHT, LED, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING PREEMPT CONFIRMATION LIGHTS INCLUDING HARDWARE AND ALL OTHER ACCESSORIES THAT ARE NECESSARY TO MAKE THE PREEMPT CONFIRMATION LGIHT COMPLETELY FUNCTIONAL AND OPERATIONAL AS SHOWN IN THE PLANS.

A CONFIRMATION LIGHT SHALL BE SUPPLIED FOR EACH INTERSECTION TO INDICATE THAT THE EMERGENCY VEHICLE HAS ACHIEVED CONTROL OF THE TRAFFIC SIGNAL.

THE CONFIRMATION LIGHT SHALL BE A WEATHER TIGHT LIGHTING FIXTURE. IT SHALL BE SUPPLIED WITH A GLOBE, LED LAMP AND MOUNTING HARDWARE TO ATTACH TO THE TRAFFIC SIGNAL MAST ARM. THE COLOR OF THE MOUNTING HARDWARE SHALL MATCH THE FINISH OF THE MAST ARM. THE CONFIRMATION LIGHT SHALL BE POWERED BY A LOAD SWITCH IN THE TRAFFIC SIGNAL CONTROLLER. SIGNAL CABLE CONFORMING TO 732.19 SHALL BE USED FOR CONFIRMATION LIGHTS. A MINIMUM OF 4-CONDUCTOR CABLE SHALL BE USED WITH THE GREEN WIRE SERVING AS THE SAFETY GROUND CONDUCTOR.

PAYMENT FOR ITEM 809 PREEMPT CONFIRMATION LIGHT, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH LIGHT IN PLACE, COMPLETELY INSTALLED IN THE LOCATION SHOWN IN THE PLANS, WIRED, TESTED AND ACCEPTED.

ITEM 809 - ATC CONTROLER, AS PER PLAN

THIS CONTROLLER UNIT SHALL BE FURNISHED AND INSTALLED PER SS 809 AND BE LISTED ON THE TRAFFIC AUTHORIZED PRODUCTS (TAP) LIST.

THE CONTROLLER SHALL BE AN ECONLITE COBALT WITH EOS SOFTWARE AND COMPATIBLE WITH THE CABINET TYPE BEING INSTALLED.

PAYMENT FOR ITEM 809 - ATC CONTROLLER, AS PER PLAN WILL BE AT THE CONTRACT BID PRICE PER EACH COMPLETE AND IN PLACE, INCLUDING ALL CONNECTIONS LISTED AND ACCEPTED.

ITEM 809 - ADVANCE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR ADVANCE DETECTION UNIT (MODEL SS-200E). THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. *POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.*
2. *ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.*
3. *THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.*
4. *SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.*
5. *THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.*
6. *A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).*
7. *THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.*
8. *THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.*
9. *THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.*

PAYMENT FOR ITEM 809 ADVANCE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

ITEM 809 - STOP-LINE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT. THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. *POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.*
2. *ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.*
3. *THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.*
4. *SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.*
5. *THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.*
6. *A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).*
7. *THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.*
8. *THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.*
9. *THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.*

PAYMENT FOR ITEM 809 STOP-LINE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

TRAFFIC SIGNAL NOTES

DESIGN AGENCY

GPD GROUP*

DESIGNER
BCT

REVIEWER
KMG 04/04/25

PROJECT ID
96808

SHEET P.1208 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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ITEM 633 - CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET SWITCH

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING AN INDUSTRY HARDENED, FULLY MANAGED ETHERNET SWITCH PROVIDING DUAL DIBER OPTIC GIGABIT ETHERNET (100BASEX) PORTS USING INDUSTRY STANDARD SC FIBER OPTIC CONNECTORS AND 8 FAST ETHERNET (10/100BASE TX) RJ45 COPPER PORTS. THE SWITCH SHALL MEET OR EXCEED NEMA TS2 ENVIRONMENTAL REQUIREMENTS.

THE FIBER OPTIC SWITCH SHALL INTERFACE TO SINGLE-MODE (8/125) FIBER OPTIC CABLE WITH AN OPTICAL WAVELENGTH OF 1310NM USING SC CONNECTORS. IT SHALL BE CAPABLE OF OPERATING OVER A DISTANCE OF AT LEAST 10 KM WITH AN OPTICAL POWER BUDGET OF 17 DB. THE SWITCH SHALL BE CAPABLE OF OPERATING IN A FAULT TOLERANT FIBER OPTIC LOOP.

PROVIDE A SWITCH THAT IS FULLY COMPLIANT WITH IEEE 802.3, 802.3U AND 802.3Z. THE SWITCH SHALL PROVIDE FULL-DUPLEX OPERATION AND FLOW CONTROL.

PROVIDE A SIMPLE INTUITIVE USER INTERFACE FOR CONFIGURATION ND MONITORING OF THE SWITCH VIA STANDARD HTML GRAPHICAL WEB BROWSER, INCLUDING DETAILED ONLINE HELP.

EVENT LOGGING AND RECORDING SHALL BE INCLUDED. ALL SIGNIFICANT EVENTS SHALL BE STORED IN A NON-VOLATILE SYSTEM LOG.

THE OPTICAL ETHERNET SWITCH SHALL CONNECT TO ALL ETHERNET DEVICES IN THE CONTROLLER CABINET INCLUDING CONTROLLER, MMU, UPS, RADAR DETECTION COMMUNICATIONS INTERFACE PANEL AND VIDEO SERVERS, AND ANY OTHER ETHERNET DEVICES USING PROPERLY RATED CAT5E CABLEDS WITH RJ45 CONNECTORS.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH FIBER OPTIC ETHERNET SWITCH IN PLACE, COMPLETELY INSTALLED IN THE LOCAL CONTROLLER SHOWN IN THE PLANS, WIRED, TESTED AND ACCEPTED.

FIBER OPTIC EQUPMENT TO REMAIN

THE CONTRACTOR SHALL TAKE GREAT CARE TO NOT DAMAGE THE EXISTING FIBER OPTIC EQUIPMENT TO REMAIN WHICH INCLUDES, BUT NOT LIMITED TO, CONDUIT, PULL BOXES, FIBER OPTIC CABLE AND SPLICE ENCLOSURES. IF IT IS DETERMINED BY THE ENGINEER, THAT ANY EQUIPMENT DESIGNATED TO REMAIN HAS BEEN DAMAGED DUE TO CONTRACTOR NEGLIGENCE, THE CONTRACTOR SHALL REPLACE THE EQUIPMENT IN LIKE KIND AT THE COST TO THE CONTRACTOR.

ITEM 809 - POWER SERVICE, AS PER PLAN

POWER SERVICE SHALL BE AS PER C&MS ITEM 809 AND SCD ITS-15.11.

PAYMENT FOR ITEM 625 - POWER SERVICE, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PROVIDE POWER TO THE PROPOSED ITS CABINET.

ITEM 633 - CONTROLLER WORK PAD, AS PER PLAN

THE CONTROLLER WORK PAD SHALL BE FURNISHED AND INSTALLED AS PER STANDARD CONSTRUCTION DRAWING ITS-10.11.

CCTV INSTALLATIONS

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED IN THE PLANS.

TRACER WIRE

TRACER WIRE SHALL BE FURNISHED AND INSTALLED PER SUPPLEMENTAL SPECIFICATION 809.

ITEM 809 - MAINTAINING ITS DURING CONSTRUCTION

THE CONTRACTOR SHALL MAINTAIN ALL PREEXISTING OR NEWLY INSTALLED PERMANENT ITS/TRAFFIC DEVICES AND INFRASTRUCTURE DURING CONSTRUCTION ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809.

PAYMENT FOR ITEM 809 - MAINTAINING ITS DURING CONSTRUCTION SHALL BE MADE AT THE CONTRACT LUMP SUM PRICE AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO MAINTAIN THE ITS INFRASTRUCTURE DURING CONSTRUCTION.

ITEM 809 - AS-BUILT CONSTRUCTION PLANS

PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE AS-BUILT PLANS OF THE ENTIRE ITS PORTION OF THE PROJECT IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 809.

ITEM 809 - CCTV CONCRETE POLE, 70 FEET

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

ODOT AND THE OFFICE OF GEOTECHNICAL ENGINEERING HAVE OBTAINED AND ANALYZED THE SOIL BORING DATA FOR THIS SITE, LOCATED AT STA. 220+76.5, 80.1' RT., AND DETERMINED THAT THE POLE HEIGHT SHALL BE __ FT ABOVE GROUND AND THE EMBEDMENT DEPTH SHALL BE __ FT.

THE CONTRACTOR SHALL FURNISH/INSTALL POLES WITH THE CORRECT LENGTH/EMBEDMENT AND ALL COUPLINGS, HANDHOLES, ETC., IN THE APPROPRIATE LOCATION ABOVE GROUND ACCORDING TO SCD ITS-12.10. THE CONTRACTOR MAY FURNISH/INSTALL LONGER OVERALL LENGTH POLES AT A DEEPER EMBEDMENT DEPTH IF IT IS MORE BENEFICIAL FOR MANUFACTURING, SHIPPING, ETC., AS LONG AS ALL ABOVE GROUND COMPONENTS MAINTAIN APPROPRIATE HEIGHT LEVEL. IF NEEDED DUE TO UNFORESEEN CIRCUMSTANCES ARISING WITH BEDROCK, ETC., AND WITH APPROVAL FROM THE ODOT PROJECT ENGINEER, THE CONTRACTOR MAY FIELD CUT AN APPROPRIATE AMOUNT FROM THE BASE OF THE CONCRETE POLE WHICH WOULD REQUIRE LESS EMBEDMENT DEPTH IN ORDER TO MAINTAIN APPROPRIATE LEVELS ABOVE GROUND. IF A POLE IS CUT, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO NOT DAMAGE THE INTEGRITY OF THE POLE PER MANUFACTURER RECOMMENDATIONS AND ANY EXPOSED STEEL STRANDS SHALL BE COATED WITH EPOXY.

THE CONTRACTOR SHALL SUBMIT ALL POLE MANUFACTURER FABRICATION DRAWING SUBMITTALS, AS WELL AS INSTALLATION PROCEDURES AND BACKFILL MATERIAL, TO THE ODOT PROJECT ENGINEER FOR ACCEPTANCE BEFORE ORDERING.

PAYMENT FOR EACH POLE COMPLETE, INSTALLED, AND ACCEPTED SHALL BE MADE AT THE UNIT BID PRICE FOR ITEM 809, CCTV CONCRETE POLE, 70 FEET, AS PER PLAN.

ITEM 625 - ARC FLASH CALCULATIONS AND LABEL, ITS CABINET

THIS ITEM SHALL INCLUDE PROVIDING ARC FLASH HAZARD CALCULATIONS AND LABELS PER SUPPLEMENTAL SPECIFICATIONS 825. LABELS SHALL BE APPLIED TO THE OUTSIDE OF EACH CONTROLLER CABINET. LABELS SHALL BE PROVIDED BY THE CONTRACTOR.

LOCATIONS OF ACR FLASH HAZARD LABELS ARE:

FAI/LIC-IR 70-0.00/0.00 STA. 42+26.1, 68.0' LT.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID FOR EACH ITEM 625 - ARC FLASH CALUCATIONS AND LABEL, ITS CABINET FOR EACH SET OF CALCULATIONS ACCEPTED AND LABEL INSTALLED, INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY.

ITEM 809 - ITS DEVICE, MISC.: RELOCATION OF EXISTING ITS INSTALLATION

THE EXISTING WRONG WAY DETECTION CAMERA SYSTEM INSTALLED AT THE SR 256 / I70 EB RAMPS INTERSECTION SHALL BE REMOVED AND RELOCATED IN ITS ENTIRETY AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE GREAT CARE AS TO NOT DAMAGE THE EXISTING EQUIPMENT WHILE REMOVING THE CCTV IP-CAMERA SYSTEM, AS IT IS THE INTENT OF THE PROJECT TO REUSE THE CAMERA AND PROVIDE A NEW CONNECTION TO THE EXISTING GROUND MOUNTED CONTROLLER CABINET THAT IS TO REMAIN.

THE CONTRACTOR SHALL DOCUMENT, IN WRITING, ANY MALFUNCTIONING EQUIPMENT PRIOR TO EQUIPMENT REMOVAL. IF THE ENGINEER HAS DETERMINED THE CAMERA EQUIPMENT HAS BEEN DAMAGED DUE TO CONTRACTOR NEGLIGENCE, THEN THE CONTRACTOR SHALL REPLACE THE EQUIPMENT IN LIKE KIND AS APPROVED BY THE ENGINEER, AT THE CONTRACTOR'S COST.

ALL REQUIRED ATTACHMENT HARDWARE SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.
PAYMENT FOR ITEM 809 ITS DEVICE, MISC.: RELOCATION OF EXISTING ITS INSTALLATION SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH AND SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, AND OTHER INCIDENTALS NECESSARY TO RELOCATE THE CCTV IP-CAMERA SYSTEM AND RETURN THE WRONG WAY DETECTION SYSTEM TO A FULL OPERATION STATUS, TESTED AND ACCEPTED.

INTERCONNECT & ITS NOTES

DESIGN AGENCY
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DESIGNER
BCT

REVIEWER
KMG 04/04/25

PROJECT ID
96808

SHEET P.1209 TOTAL P.1556

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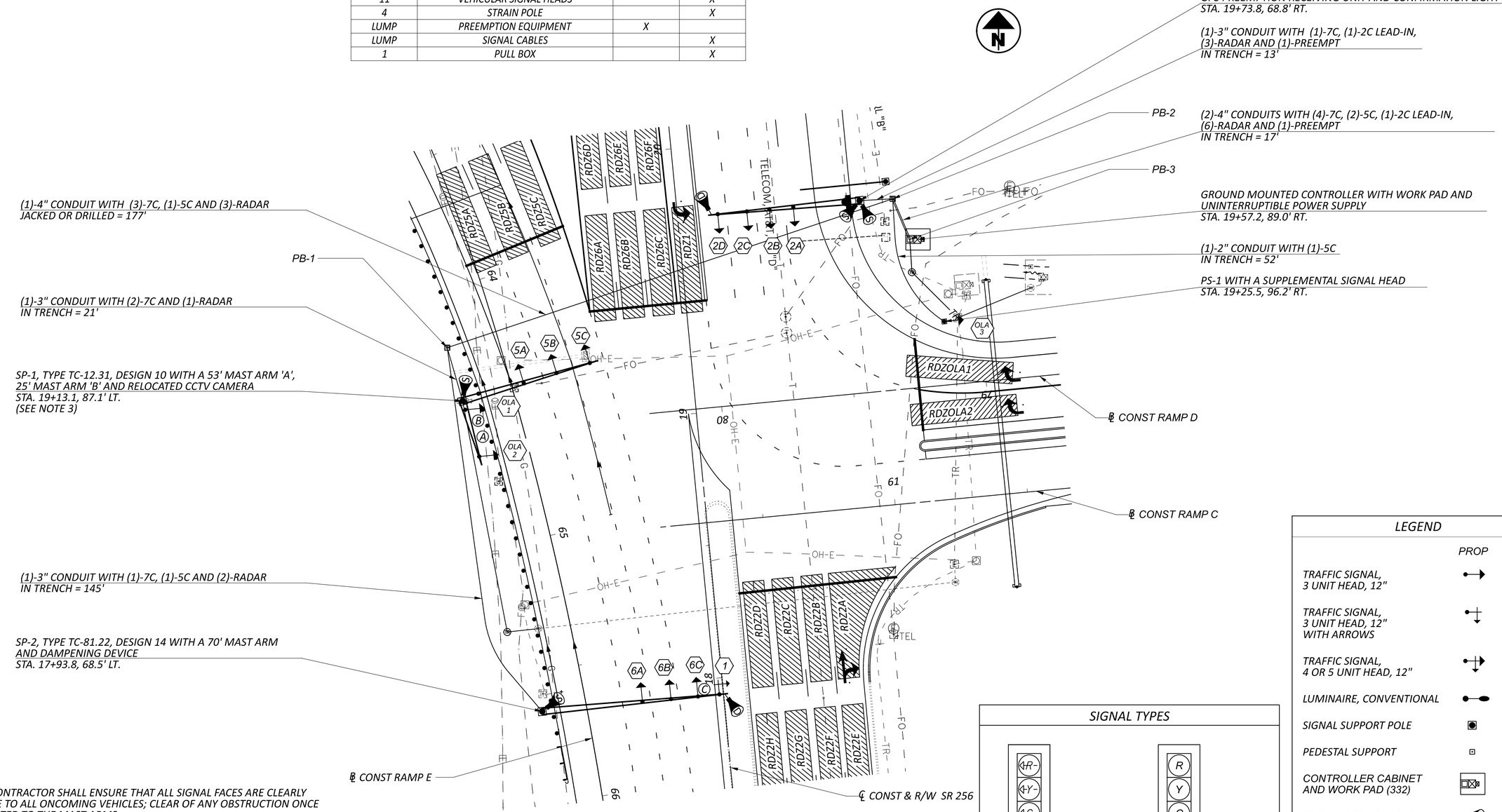
PULL BOX TABLE

PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	19.33+6	LT.	91.0'	24 X 24
PB-2	19+73.3	RT.	81.3'	24 X 24
PB-3	19+57.5	RT.	86.2'	24 X 24

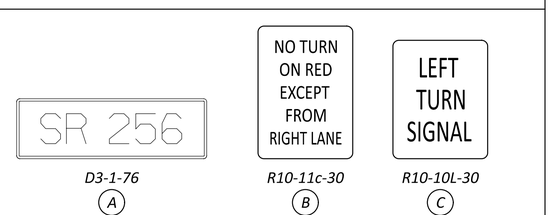
REMOVAL CHART

QUANTITY	REMOVAL ITEM DESCRIPTION	DELIVERED	DISPOSED
1	GROUND MOUNTED CABNET		X
1	UNINTERRUPTIBLE POWER SUPPLY	X	
1	CONTROLLER	X	
11	VEHICULAR SIGNAL HEADS		X
4	STRAIN POLE		X
LUMP	PREEMPTION EQUIPMENT	X	
LUMP	SIGNAL CABLES		X
1	PULL BOX		X



NOTE:
1. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNAL FACES ARE CLEARLY VISIBLE TO ALL ONCOMING VEHICLES; CLEAR OF ANY OBSTRUCTION ONCE MOUNTED TO THE MAST ARMS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.
3. SEE ITS PLANS FOR RELOCATED CCTV CAMERA DETAILS.
4. R/W IS OUTSIDE OF THE PLAN SHEET LIMITS.
5. IT IS THE INTENT OF THE PROJECT TO RETAIN THE EXISTING POWER SOURCE LOCATION TO PROVIDE POWER TO THE RECONSTRUCTED SIGNAL. THE POWER SOURCE LOCATION SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER. ALL ITEMS NECESSARY TO PROVIDE POWER TO THE PROPOSED SIGNAL, INCLUDING BUT NOT LIMITED TO, CONDUIT RISERS, CONDUIT, TRENCHING, DRILLING, PULL BOXES AND POWER CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN.

MAST ARM SIGNS



SIGNAL TYPES

1. ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
2. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR AND HAVE BACKPLATES.
3. ALL SIGNAL HEAD VISORS SHALL BE CUTAWAY TYPE.
4. SIGNAL HEADS 6A, 6B, & 6C SHALL BE PROVIDED WITH LOUVERS.

LEGEND

	PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"	●	○
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS	●	○
TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"	●	○
LUMINAIRE, CONVENTIONAL	●	
SIGNAL SUPPORT POLE	■	□
PEDESTAL SUPPORT	▪	
CONTROLLER CABINET AND WORK PAD (332)	■	□
DILEMMA ZONE RADAR DETECTION UNIT	D	
STOP-LINE RADAR DETECTION UNIT	S	
DETECTION ZONE	▨	
GPS PREEMPTION RECEIVING UNIT	▟	
PREEMPTION CONFIRMATION LIGHT	!	

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC SIGNAL PLAN
SR 256 / IR 70 EB RAMPS

DESIGN AGENCY
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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1210 TOTAL P.1556

FAI/LIC-IR 70-00/0.00

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SIGNAL TIMING CHART

INTERSECTION: SR 256 / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:			2 & 6	
			REST IN RED:		RING 1	-		RING 2	-
START IN: ALL-RED FLASH TIME FOR: FLASH , ALL RED (SEC.): 9, 6 FIRST PHASE(S): Ø2 & Ø6 COLOR DISPLAYED: GREEN			OVERLAP			A	B	C	D
			PHASES			Ø1	-	-	-
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	-	-	SEB	SB	-	-
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	-	-	10	20	-	-
ADDED INITIAL		*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL		*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	-	-	3.0	3.0	-	-
TIME BEFORE REDUCTION		*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP		*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE		*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I		(SEC.)	10	60	-	-	30	60	-	-
MAXIMUM GREEN II		(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE		(SEC.)	3.7	4.6	-	-	4.3	4.6	-	-
ALL RED CLEARANCE		(SEC.)	2.5	1.0	-	-	1.0	1.0	-	-
DELAYED GREEN (LPI) '		(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^		(SEC.)	-	-	-	-	-	-	-	-
WALK		(SEC.)	-	-	-	-	-	-	-	-
PEDESTRIAN CLEARANCE		(SEC.)	-	-	-	-	-	-	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	ON	-	-	-	ON	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

*VOLUME DENSITY CONTROLS

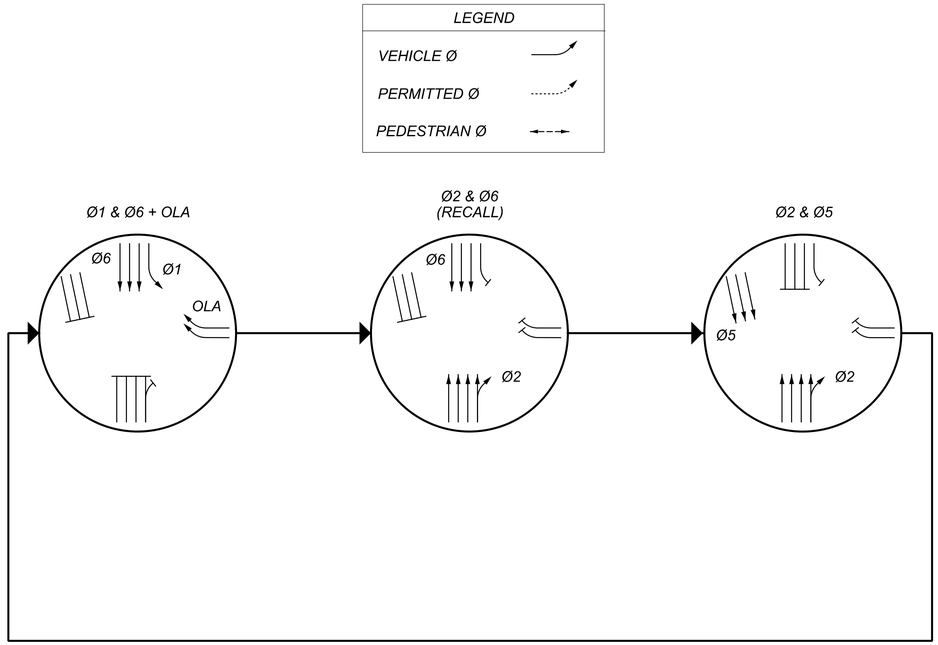
NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6.0 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM THE STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1 - 35 MPH.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.
- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (Ø5), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

NOTE TO REVIEWER:

COORDINATION TIMINGS TO BE PROVIDED AT STAGE 3.

PHASING DIAGRAM



EMERGENCY PREEMPT CHANNELS

CHANNEL 1 = Ø(2) (NORTHBOUND ONLY)
CHANNEL 2 = Ø(5) (SOUTHEASTBOUND ONLY)
CHANNEL 3 = Ø(1+6) (SOUTHBOUND ONLY)
CHANNEL 4 = (OLA) (WESTBOUND ONLY)

EMERGENCY PREEMPT NOTES:

1. UPON EMERGENCY PREEMPTION, ALL ACTIVE PHASES SHALL TIME THEIR YELLOW AND ALL RED CLEARANCE INTERVALS PRIOR TO TRANSITIONING TO THE EMERGENCY PREEMPT PHASE TO AVOID THE POTENTIAL FOR YELLOW BALL TRAP.
2. AFTER RELEASE FROM THE EMERGENCY PREEMPT, YELLOW AND ALL RED CLEARANCE INTERVALS SHALL BE DISPLAYED AND RETURN TO NORMAL COORDINATION TIMING PROGRESSION PER CURRENT COORDINATION RECOVERY SETTINGS.

RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ1	SB LEFT CALL	PRESENCE	Ø1	-	STOP LINE	8 X 40
RDZ2A	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2B	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2C	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2D	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2E	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ2F	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ2G	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ2H	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ5A	SEB CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ5B	SEB CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ5C	SEB CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ6A	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6B	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6C	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6D	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZ6E	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZ6F	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZOLA1	WB RIGHT CALL	PRESENCE	Ø1	10	STOP LINE	8 X 40
RDZOLA2	WB RIGHT CALL	PRESENCE	Ø1	-	STOP LINE	8 X 40

TRAFFIC SIGNAL DETAILS
SR 256 / IR 70 EB RAMPS

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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1211 TOTAL P.1556

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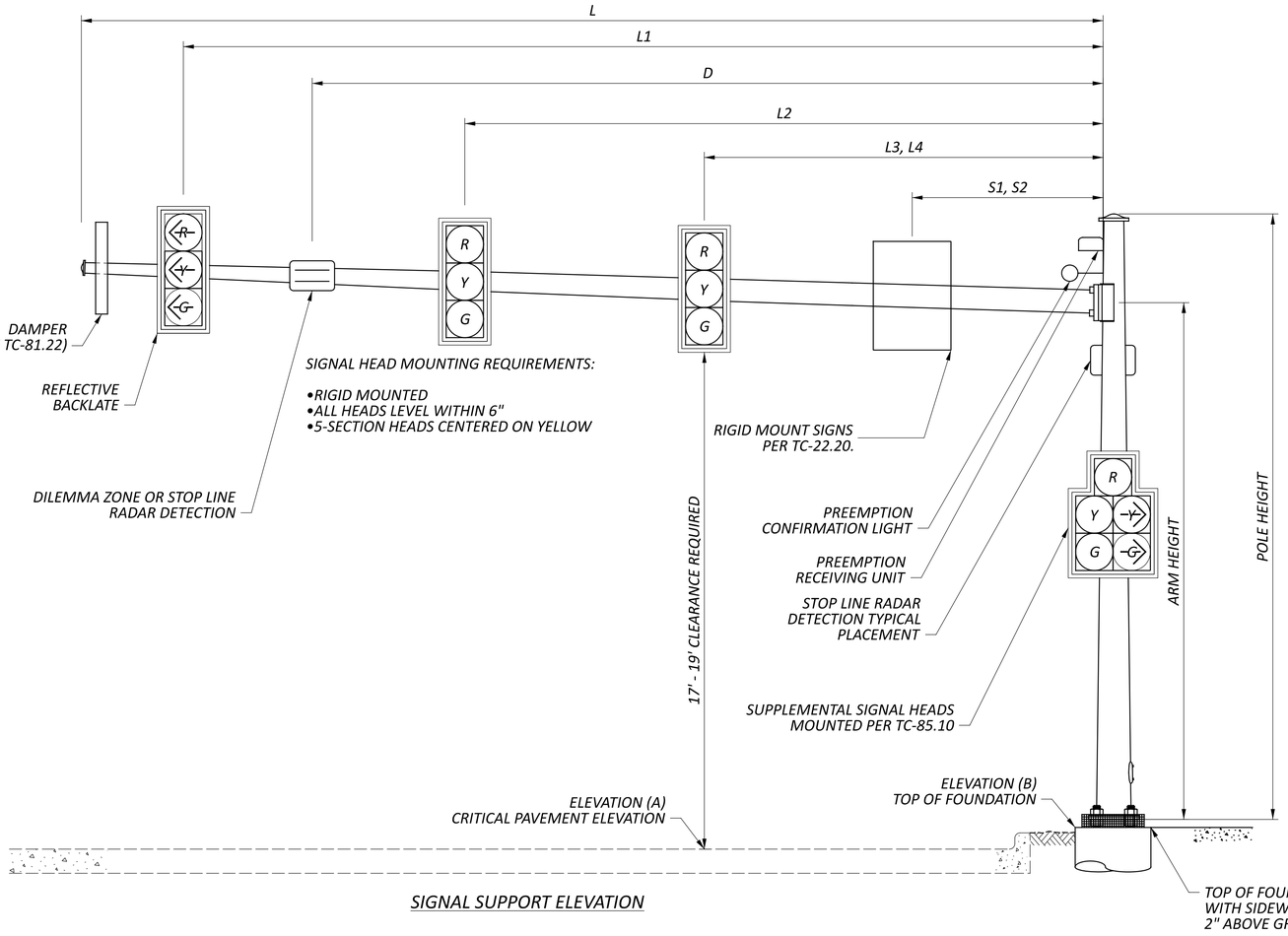
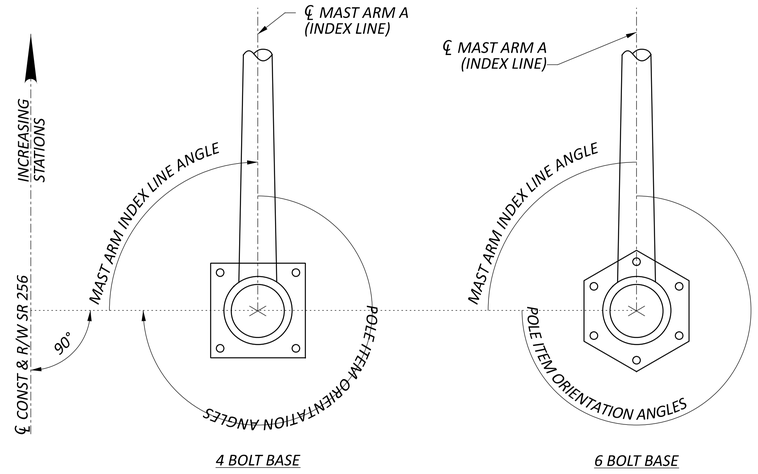


SIGNAL SUPPORT ELEVATION



NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A, EVEN IF THE SUPPORT HAS TWO ARMS.

POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	ARM DESIGNATION	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											MAST ARM A INDEX LINE ANGLE	ANGLES (DEG.) FROM INDEX LINE			
				A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D	S1	S2	MAST ARM B	SUPPLEMENTAL SIGNAL HEAD	HANDHOLE	POWER SERVICE
				FT	FT			FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG
SP-1	A	19+13.1	87.1' LT.	-	-	TC-12.31	10	24.5	19.5	53	50	37	24	-	-	-	-	350	-	-	180	-
	B			-					19.5	25	22	3.5	-	-	-	12.5	6.5		90	-	-	-
SP-2	-	17+93.8	68.5' LT.	-	-	TC-81.22	14	20.5	19	70	67	59	48.5	38	69	64	-	0	-	-	180	-
SP-3	-	19+73.8	68.8' RT.	-	-	TC-81.22	13	20.5	19	57	53.5	42.5	34	25	56	-	-	0	-	-	180	180
PS-1	-	19+25.5	96.2' RT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	180	180	-

NOTE: ANGLES FOR PEDESTALS ARE REFERENCED CLOCKWISE FROM A LINE PERPENDICULAR TO THE ℄ CONST. & R/W SR 256.

TRAFFIC SIGNAL DETAILS
SR 256 / IR 70 EB RAMPS

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KMG 04/04/25

PROJECT ID
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SHEET P.1212 TOTAL P.1556

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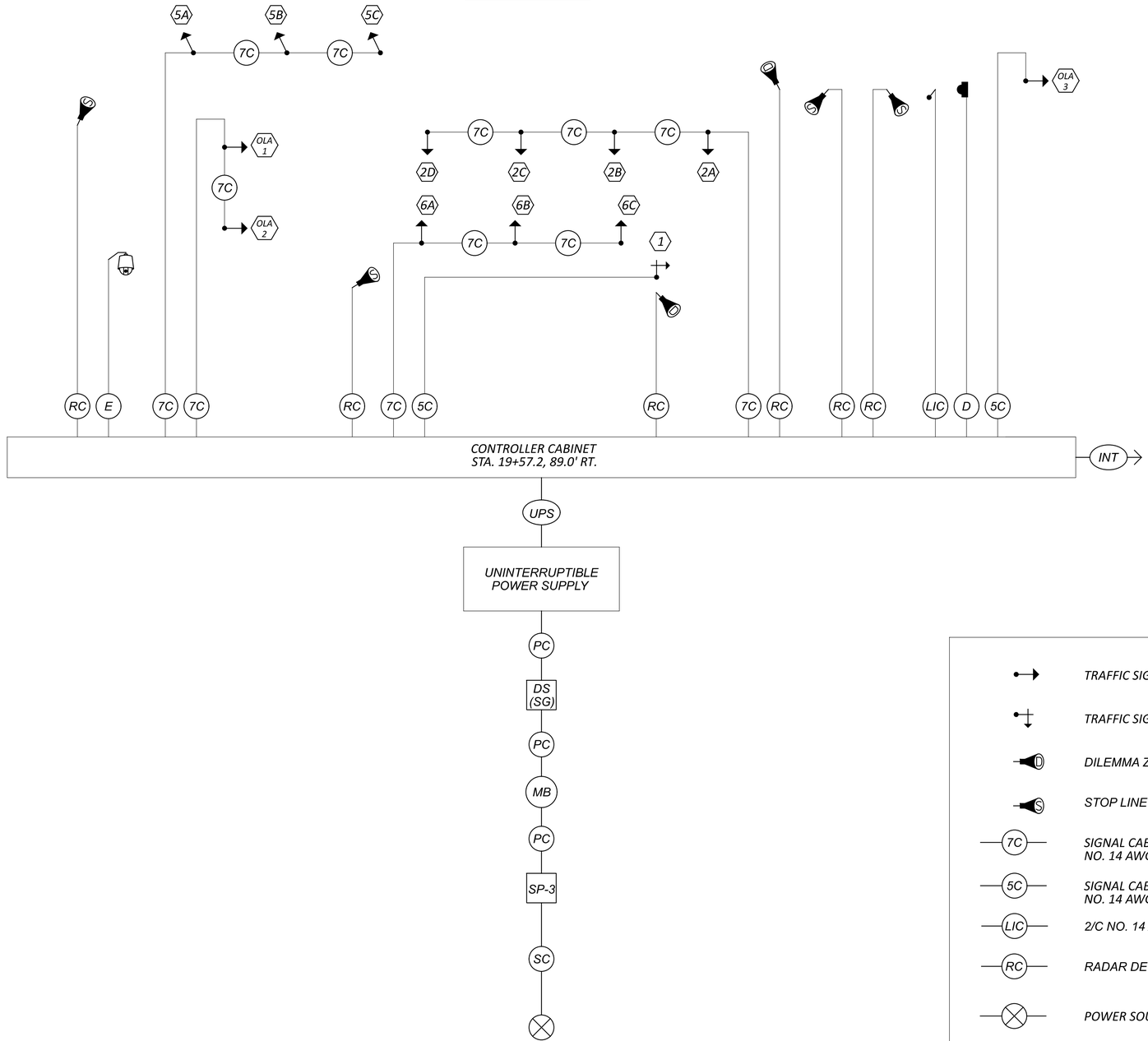
WIRING DIAGRAM



FIELD WIRING HOOKUP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
1 (SB LT)	<--R---	Φ1 R	R
	<--Y---	Φ1 Y	
	<--G---	Φ1 G	
2A, 2B, 2C, 2D (NB)	R	Φ2 R	R
	Y	Φ2 Y	
	G	Φ2 G	
5A, 5B, 5C (SEB)	R	Φ5 R	R
	Y	Φ5 Y	
	G	Φ5 G	
6A, 6B (SB)	R	Φ6 R	R
	Y	Φ6 Y	
	G	Φ6 G	
OLA1, OLA2, OLA3 (WB)	R	Φ1 R / LS 9 R	R
	Y	Φ1 Y / LS 9 Y	
	G	Φ1 G / LS 9 G	
LS = LOAD SWITCH			

LEGEND

- TRAFFIC SIGNAL, 3 UNIT HEAD, 12"
- TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
- 5C — SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
- LIC — 2/C NO. 14 AWG (LEAD-IN CABLE)
- RC — RADAR DETECTION CABLE
- POWER SOURCE
- SC — SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG
- PC — POWER CABLE, 2 CONDUCTOR, NO. 4 AWG
- INT — INTERCONNECT CABLE
- SP X — SIGNAL SUPPORT POLE NO. __
- MB — METER BASE
- DS (SG) — SIGNAL DISCONNECT SWITCH
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE
- D — PREEMPTION DETECTOR CABLE
- E — ETHERNET CABLE
- GPS PREEMPTION RECEIVING UNIT
- PREEMPTION CONFIRMATION LIGHT
- WRONG WAY DETECTION CCTV

TRAFFIC SIGNAL DETAILS
SR 256 / IR 70 EB RAMPS

DESIGN AGENCY
GPD GROUP®

DESIGNER: BCT
REVIEWER: KMG 04/04/25
PROJECT ID: 96808
SHEET: P.1213 TOTAL: P.1556

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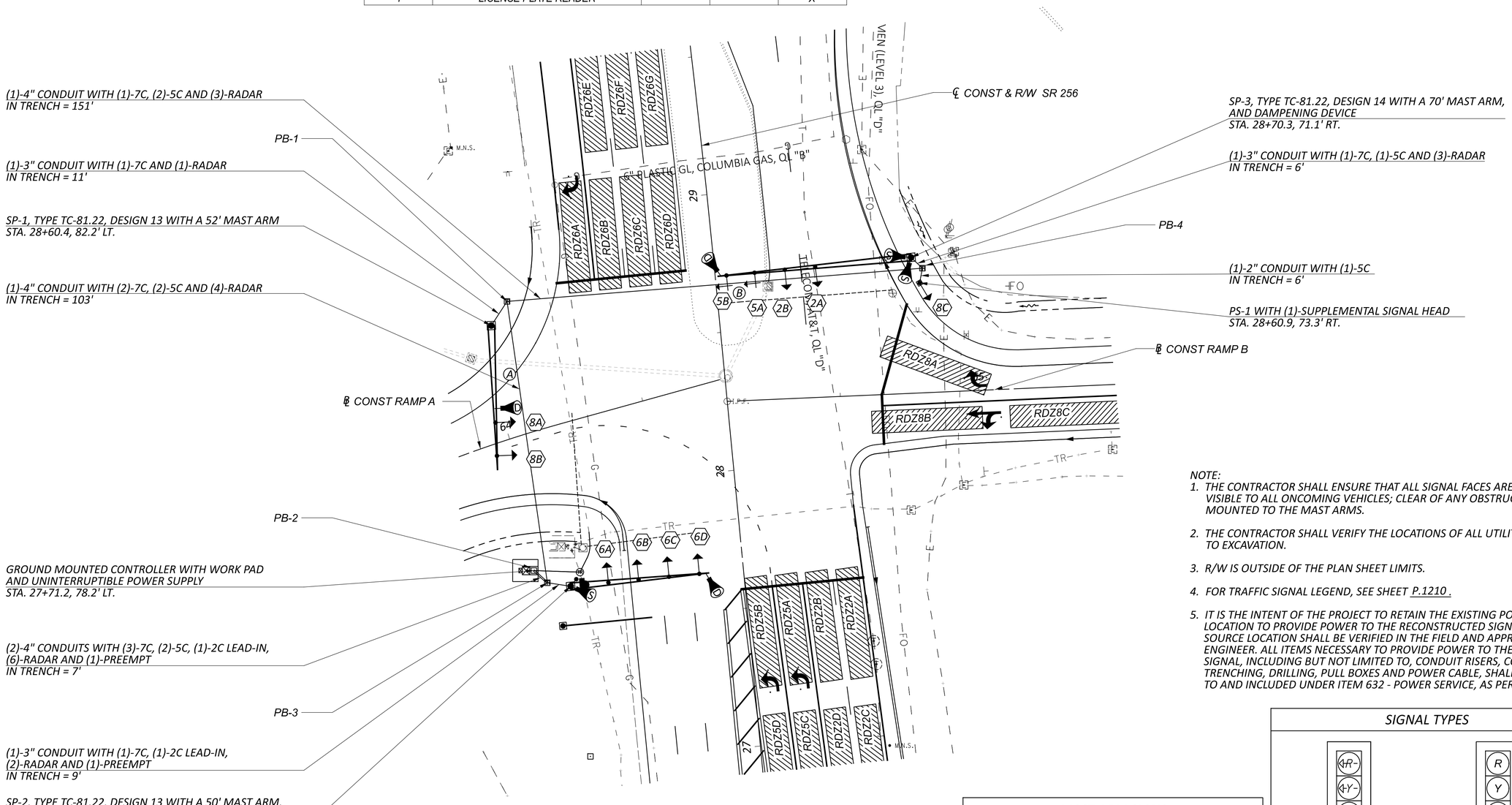
PULLBOX TABLE

PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	28+68.6	LT.	75.7'	24 X 24
PB-2	27+71.5	LT.	71.2'	24 X 24
PB-3	27+66.1	LT.	71.0'	24 X 24
PB-4	28+66.1	RT.	74.8'	24 X 24

REMOVAL CHART

QUANTITY	REMOVAL ITEM DESCRIPTION	DELIVERED	DISPOSED	REUSE
1	GROUND MOUNTED CABINET		X	
1	UNINTERRUPTIBLE POWER SUPPLY	X		
1	CONTROLLER	X		
9	VEHICULAR SIGNAL HEADS		X	
LUMP	SIGNAL CABLES		X	
2	SIGNAL SUPPORTS AND MAST ARMS		X	
LUMP	PREEMPTION EQUIPMENT	X		
4	PULL BOX		X	
1	LICENSE PLATE READER			X



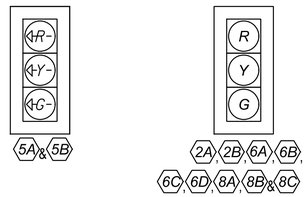
NOTE:
1. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNAL FACES ARE CLEARLY VISIBLE TO ALL ONCOMING VEHICLES; CLEAR OF ANY OBSTRUCTION ONCE MOUNTED TO THE MAST ARMS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.
3. R/W IS OUTSIDE OF THE PLAN SHEET LIMITS.
4. FOR TRAFFIC SIGNAL LEGEND, SEE SHEET P.1210 .
5. IT IS THE INTENT OF THE PROJECT TO RETAIN THE EXISTING POWER SOURCE LOCATION TO PROVIDE POWER TO THE RECONSTRUCTED SIGNAL. THE POWER SOURCE LOCATION SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER. ALL ITEMS NECESSARY TO PROVIDE POWER TO THE PROPOSED SIGNAL, INCLUDING BUT NOT LIMITED TO, CONDUIT RISERS, CONDUIT, TRENCHING, DRILLING, PULL BOXES AND POWER CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN.

MAST ARM SIGNS

SR 256 — D3-1-76 (A)

LEFT TURN SIGNAL — R10-10L-30 (B)

SIGNAL TYPES



1. ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
2. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR AND HAVE BACKPLATES.
3. ALL SIGNAL HEAD VISORS SHALL BE CUTAWAY TYPE.

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC SIGNAL PLAN
SR 256 / IR 70 WB RAMPS

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PROJECT ID 96808
SHEET P.1214 TOTAL P.1556

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SIGNAL TIMING CHART

INTERSECTION: SR 256 / IR 70 WB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP			DUAL ENTRY: YES		PHASES:			2 & 6	
			REST IN RED:		RING 1	-		RING 2	-
START IN: ALL-RED FLASH			OVERLAP			A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.): 9, 6									
FIRST PHASE(S): Ø2 & Ø6			PHASES			-	-	-	-
COLOR DISPLAYED: GREEN									
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	-	NB LT	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	-	7	20	-	10
ADDED INITIAL		*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL		*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	-	3.0	3.0	-	3.0
TIME BEFORE REDUCTION		*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP		*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE		*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I		(SEC.)	-	60	-	-	10	60	-	30
MAXIMUM GREEN II		(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE		(SEC.)	-	4.7	-	-	3.5	4.7	-	5.3
ALL RED CLEARANCE		(SEC.)	-	1.0	-	-	1.9	1.0	-	1.0
DELAYED GREEN (LPI) '		(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^		(SEC.)	-	-	-	-	-	-	-	-
WALK		(SEC.)	-	-	-	-	-	-	-	-
PEDESTRIAN CLEARANCE		(SEC.)	-	-	-	-	-	-	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	ON	-	-	-	ON	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

*VOLUME DENSITY CONTROLS

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.

- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6.0 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.

- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM THE STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1 - 35 MPH.

- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.

- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (Ø8), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

NOTE TO REVIEWER:

COORDINATION TIMINGS TO BE PROVIDED AT STAGE 3.

EMERGENCY PREEMPT CHANNELS

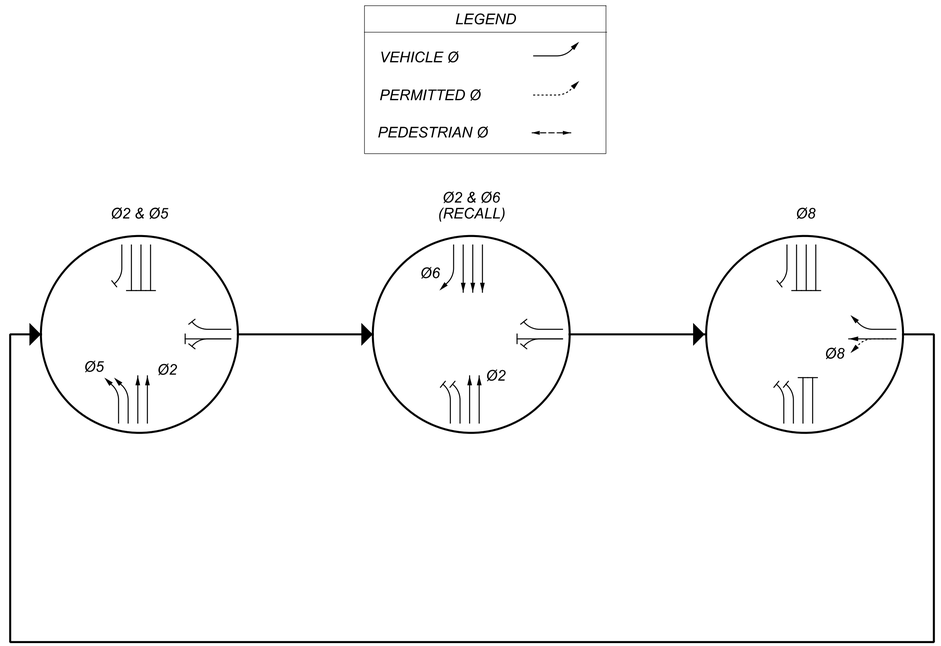
CHANNEL 1 = Ø(2+5) (NORTHBOUND ONLY)
CHANNEL 2 = Ø(6) (SOUTHBOUND ONLY)
CHANNEL 4 = Ø(8) (WESTBOUND ONLY)

EMERGENCY PREEMPT NOTES:

1. UPON EMERGENCY PREEMPTION, ALL ACTIVE PHASES SHALL TIME THEIR YELLOW AND ALL RED CLEARANCE INTERVALS PRIOR TO TRANSITIONING TO THE EMERGENCY PREEMPT PHASE TO AVOID THE POTENTIAL FOR YELLOW BALL TRAP.

2. AFTER RELEASE FROM THE EMERGENCY PREEMPT, YELLOW AND ALL RED CLEARANCE INTERVALS SHALL BE DISPLAYED AND RETURN TO NORMAL COORDINATION TIMING PROGRESSION PER CURRENT COORDINATION RECOVERY SETTINGS.

PHASING DIAGRAM



RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ2A	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2B	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2C	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ2D	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ5A	NB LEFT CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ5B	NB LEFT CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ5C	NB LEFT CALL	PULSE	Ø5	-	ADVANCE	MAX
RDZ5D	NB LEFT CALL	PULSE	Ø5	-	ADVANCE	MAX
RDZ6A	SB RIGHT CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6B	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6C	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6D	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6E	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZ6F	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZ6G	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZ8A	WB CALL	PRESENCE	Ø8	10	STOP LINE	8 X 40
RDZ8B	WB CALL	PRESENCE	Ø8	-	STOP LINE	8 X 40
RDZ8C	WB CALL	PULSE	Ø8	-	ADVANCE	MAX

TRAFFIC SIGNAL DETAILS
SR 256 / IR 70 WB RAMPS

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PROJECT ID 96808
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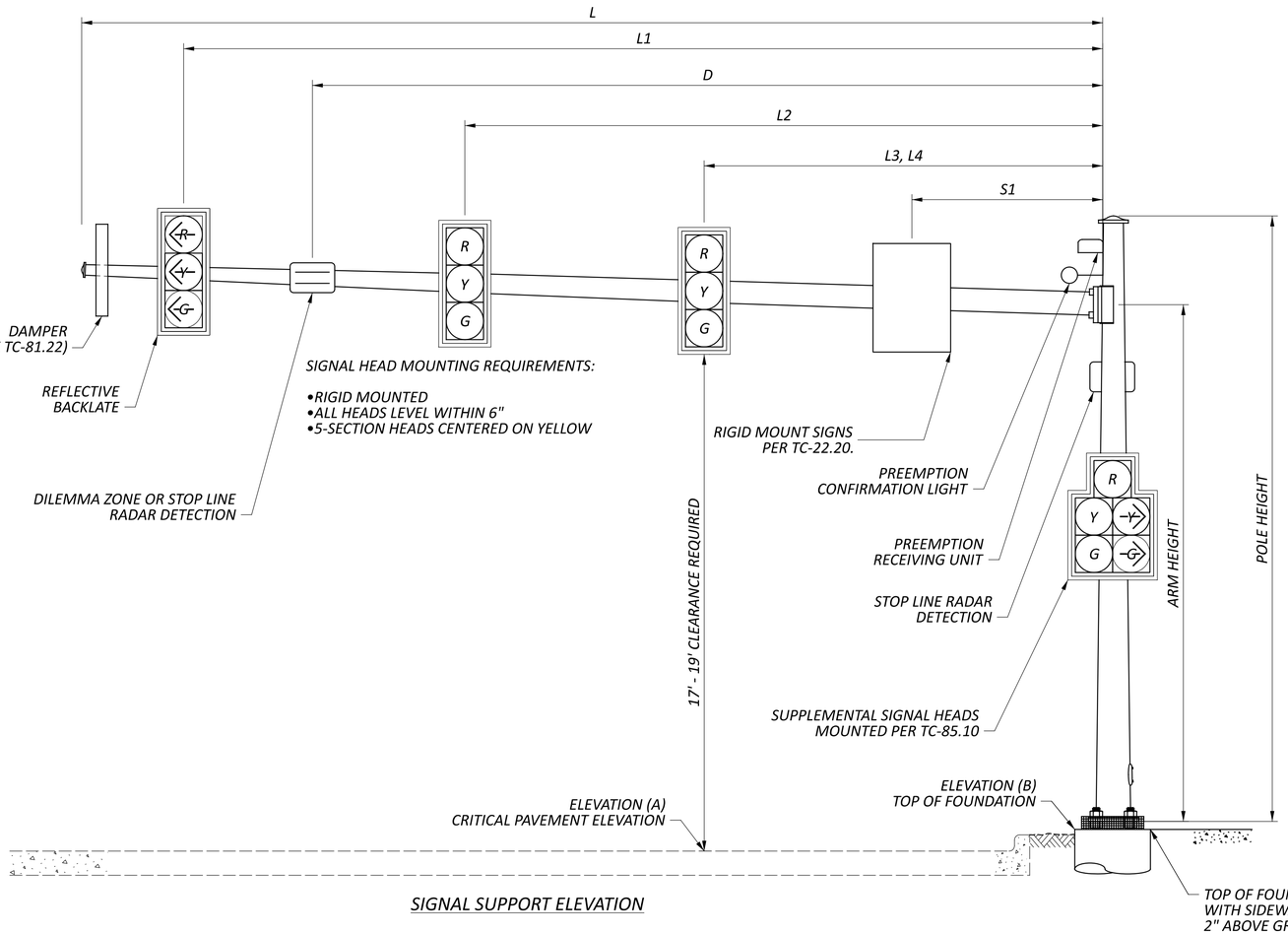
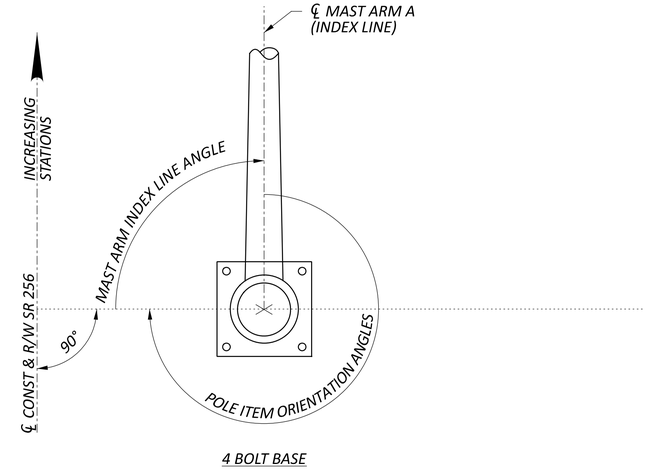


SIGNAL SUPPORT ELEVATION



4 BOLT BASE

NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A, EVEN IF THE SUPPORT HAS TWO ARMS.

POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											MAST ARM A INDEX LINE ANGLE	ORIENTATION ANGLES (DEG.) FROM INDEX LINE		
			A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D	S1		SUPPLEMENTAL SIGNAL HEAD	HANDHOLE	POWER SERVICE
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG
SP-1	28+60.4	82.2' LT.	-	-	TC-81.22	13	19	17.5	52	47	35	-	-	30	17.5	90	-	90	-
SP-2	27+64.0	62.7' LT.	-	-	TC-81.22	13	20.5	19	50	46.5	35.5	24.5	13.5	49	-	0	-	180	180
SP-3	28+70.3	71.1' RT.	-	-	TC-81.22	14	20.5	19	70	67	57	46	35	69	62	0	-	90	-
PS-1	28+60.9	73.3' RT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	245	90	-

NOTE: ANGLES FOR PEDESTALS ARE REFERENCED CLOCKWISE FROM A LINE PERPENDICULAR TO THE ℄ CONST & R/W SR 256.

TRAFFIC SIGNAL DETAILS
SR 256 / IR 70 WB RAMPS

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SHEET P.1216 TOTAL P.1556

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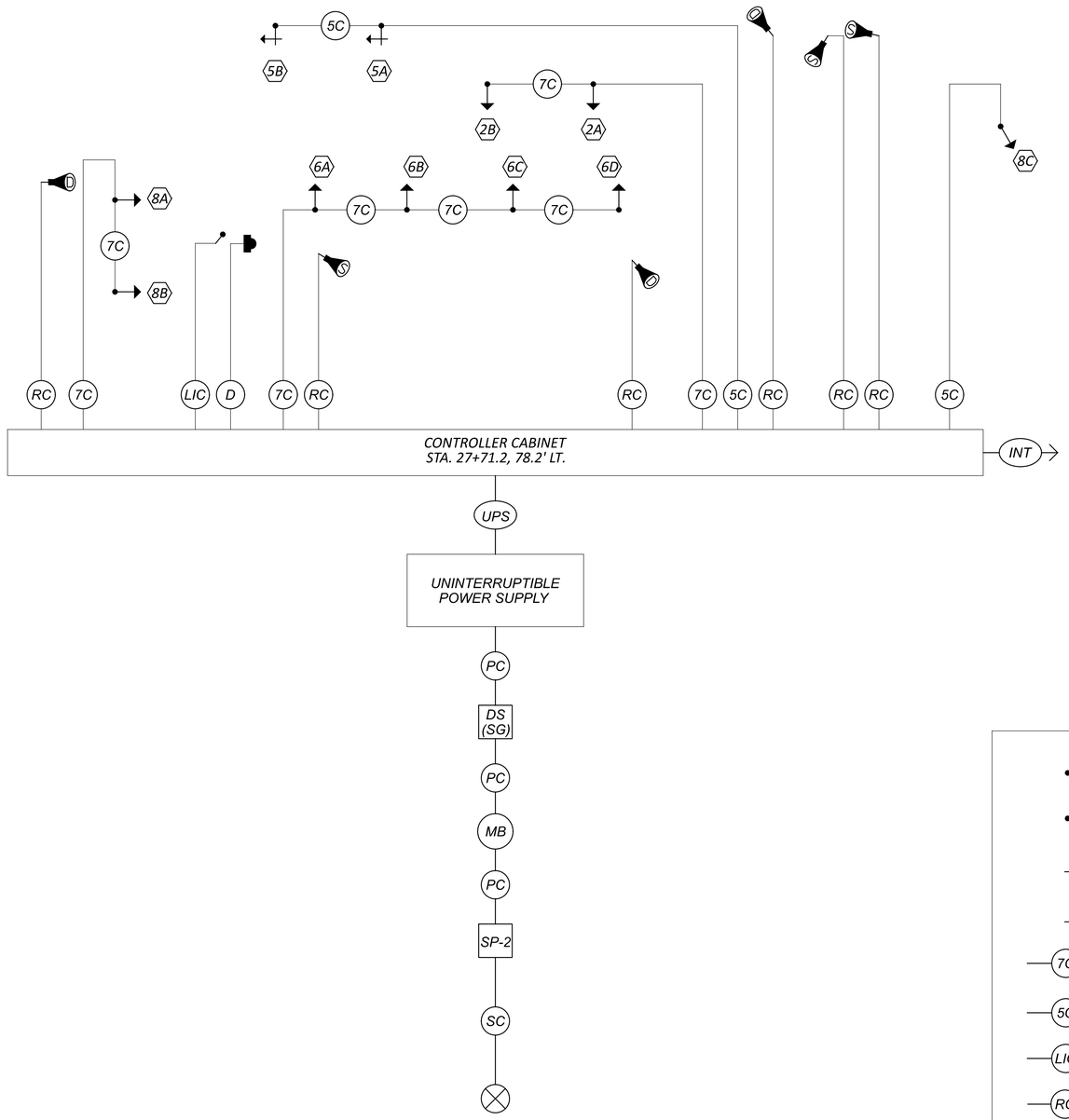
WIRING DIAGRAM



FIELD WIRING HOOKUP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
2A, 2B (NB)	R	Φ2 R	R
	Y	Φ2 Y	
	G	Φ2 G	
5A, 5B (NB LT)	<--R---	Φ5 R	R
	<--Y---	Φ5 Y	
	<--G---	Φ5 G	
6A, 6B, 6C, 6D (SB)	R	Φ6 R	R
	Y	Φ6 Y	
	G	Φ6 G	
8A, 8B, 8C (WB)	R	Φ8 R	R
	Y	Φ8 Y	
	G	Φ8 G	
LS = LOAD SWITCH			

LEGEND

TRAFFIC SIGNAL, 3 UNIT HEAD, 12"	INTERCONNECT CABLE
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS	POWER CABLE, 2 CONDUCTOR, NO. 4 AWG
DILEMMA ZONE RADAR DETECTION UNIT	METER BASE
STOP LINE RADAR DETECTION UNIT	SIGNAL DISCONNECT SWITCH
SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	SIGNAL SUPPORT POLE NO. __
SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	UNINTERRUPTIBLE POWER SUPPLY CABLE
2/C NO. 14 AWG (LEAD-IN CABLE)	PREEMPTION DETECTOR CABLE
RADAR DETECTION CABLE	GPS PREEMPTION RECEIVING UNIT
POWER SOURCE	PREEMPTION CONFIRMATION LIGHT
SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG	

TRAFFIC SIGNAL DETAILS
SR 256 / IR 70 WB RAMPS

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KMG 04/04/25

PROJECT ID
96808

SHEET P.1217 TOTAL P.1556

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PULL BOX TABLE

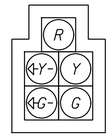
PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	41+95.7	LT.	54.2'	24 X 24
PB-2	41+97.8	LT.	49.5'	18 X 18
PB-3	41+78.8	RT.	36.0'	18 X 18
PB-4	41+76.2	RT.	38.8'	24 X 24
PB-5	43+10.8	LT.	75.1'	24 X 24
PB-6	43+19.9	LT.	68.1'	24 X 24
PB-7	43+17.4	LT.	66.0'	18 X 18
PB-8	43+00.5	RT.	8.0'	18 X 18
PB-9	42+99.2	RT.	39.7'	24 X 24

PEDESTRIAN SIGNS



R10-3E-9
2 - LEFT ARROWS (PS-1, PS-3)
2- RIGHT ARROWS (PS-2, PS-4)

SIGNAL TYPES



PEDESTRIAN HEADS (LED, COUNTDOWN, TYPE D2)

1. ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
2. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR AND HAVE BACKPLATES.
3. ALL SIGNAL HEAD VISORS SHALL BE CUTAWAY TYPE.

MAST ARM SIGNS



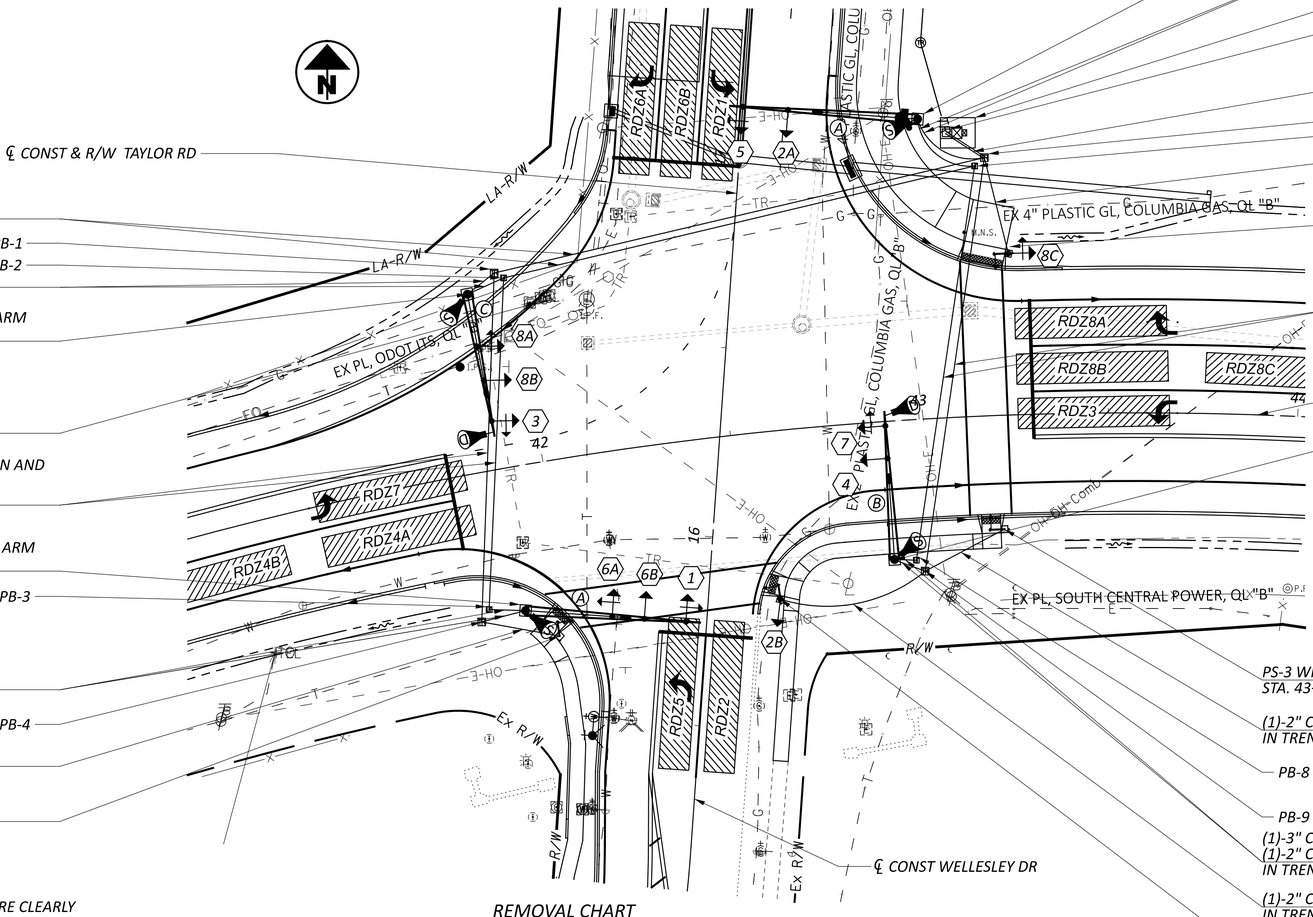
D3-1-160 (A)



D3-1-130 (B)



D3-1-130 (C)



NOTE:
1. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNAL FACES ARE CLEARLY VISIBLE TO ALL ONCOMING VEHICLES; CLEAR OF ANY OBSTRUCTION ONCE MOUNTED TO THE MAST ARMS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.
3. IT IS THE INTENT OF THE PROJECT TO UTILIZE THE RELOCATED POWER SOURCE TO PROVIDE POWER TO THE RECONSTRUCTED SIGNAL. THE POWER SOURCE LOCATION SHALL BE DETERMINED BY AEP AND APPROVED BY THE ENGINEER. ALL ITEMS NECESSARY TO PROVIDE POWER TO THE PROPOSED SIGNAL, INCLUDING BUT NOT LIMITED TO, CONDUIT RISERS, CONDUIT, TRENCHING, DRILLING, PULL BOXES AND POWER CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN.
4. FOR TRAFFIC SIGNAL LEGEND, SEE SHEET P.1210 .

REMOVAL CHART

QUANTITY	REMOVAL ITEM DESCRIPTION	DELIVERED	DISPOSED	REUSE
1	GROUND MOUNTED CABINET		X	
1	UNINTERRUPTIBLE POWER SUPPLY	X		
1	CONTROLLER	X		
8	VEHICULAR SIGNAL HEADS		X	
2	STRAIN POLES		X	
LUMP	SIGNAL CABLES		X	
LUMP	PREEMPTION EQUIPMENT	X		
2	BRACKET ARMS AND LUMINAIRES		X	
4	PULL BOX		X	
1	PTZ CAMERA			X

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC SIGNAL PLAN
SR 204 (BLACKLICK-EASTERN ROAD NW) / TAYLOR ROAD / WELLESLEY DRIVE

DESIGN AGENCY
GPD GROUP
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DESIGNER BCT
REVIEWER KMG 04/04/25
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SIGNAL TIMING CHART

INTERSECTION:			BLACKLICK-EASTERN ROAD NW (SR 204) / TAYLOR ROAD / WELLESLEY DRIVE						
MAINTAINING AGENCY:			OHIO DEPARTMENT OF TRANSPORTATION						
START UP			DUAL ENTRY: YES		PHASES:			2, 4, 6, 8	
			REST IN RED:		RING 1 -			RING 2 -	
START IN: ALL-RED FLASH TIME FOR: FLASH , ALL RED (SEC.): 9, 6 FIRST PHASE(S): Ø2 & Ø6 COLOR DISPLAYED: GREEN			OVERLAP			A	B	C	D
			PHASES			Ø1	Ø7	-	-
INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.						
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			SB LT	NB	WB LT	EB	NB LT	SB	EB LT	WB
MINIMUM GREEN (INITIAL)		(SEC.)	7	20	7	10	7	20	7	10
ADDED INITIAL		*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL		*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TIME BEFORE REDUCTION		*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP		*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE		*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I		(SEC.)	10	60	10	30	10	60	10	30
MAXIMUM GREEN II		(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE		(SEC.)	4.2	5.1	3.8	4.7	4.2	5.1	3.8	4.7
ALL RED CLEARANCE		(SEC.)	1.7	1.0	2.5	1.0	1.7	1.0	2.5	1.0
DELAYED GREEN (LPI) '		(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^		(SEC.)	-	-	-	-	-	-	-	-
WALK		(SEC.)	-	7	-	7	-	-	-	-
PEDESTRIAN CLEARANCE		(SEC.)	-	14	-	11	-	-	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	ON	-	-	-	ON	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

*VOLUME DENSITY CONTROLS

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.

- FOR PROTECTED / PERMISSIVE PHASES, IMPLEMENT CALL OMITS TO AVOID YELLOW BALL TRAP.

- ENABLE Ø1, 3 AND Ø5, 7 DETECTOR SWITCHING TO ALLOW Ø1 AND Ø5 TO EXTEND Ø2 AND Ø6 OR Ø3 AND Ø7 TO EXTEND Ø4 AND Ø8, RESPECTIVELY, WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.

- COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL GO TO ZERO ON YELLOW PER OMUTCD FIGURE 4E-2.

- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.

- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (Ø4 & Ø8), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

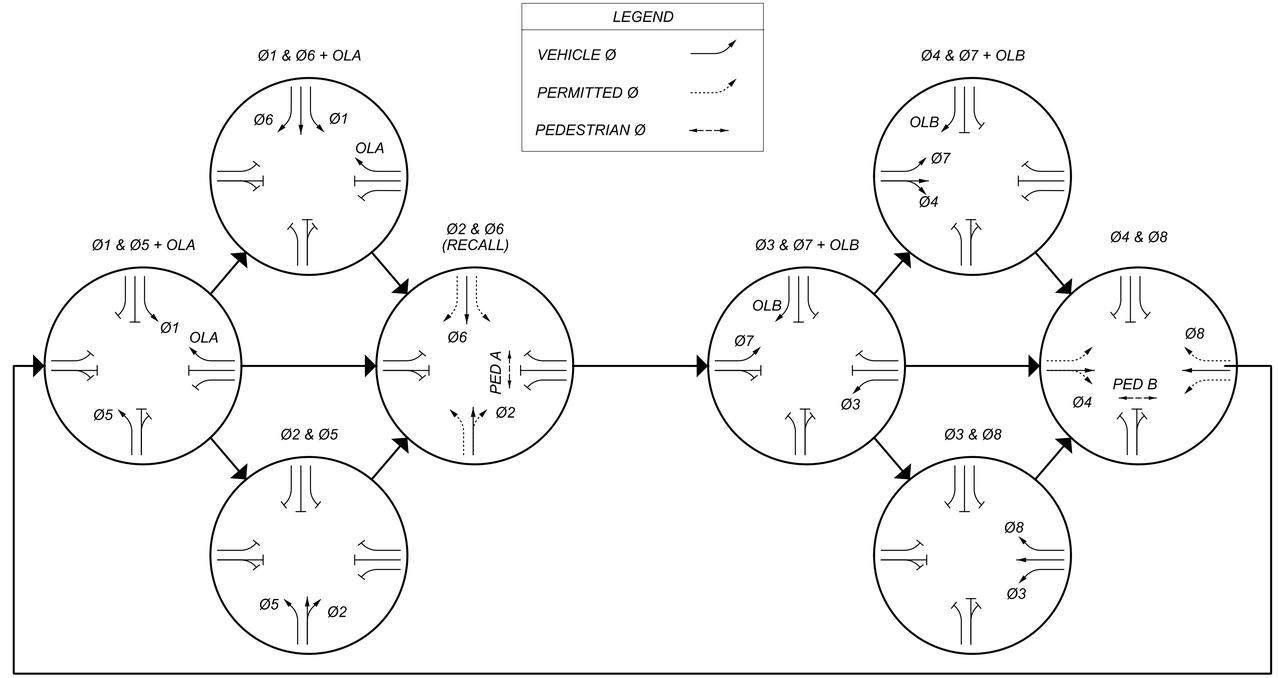
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6.0 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.

- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM THE STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1 - 35 MPH.

NOTE TO REVIEWER:

COORDINATION TIMINGS TO BE PROVIDED AT STAGE 3.

PHASING DIAGRAM



EMERGENCY PREEMPT CHANNELS

CHANNEL 1 = Ø(2+5) (NORTHBOUND ONLY)
CHANNEL 2 = Ø(1+6) (SOUTHOUND ONLY)
CHANNEL 3 = Ø(3 +8) (WESTBOUND ONLY)
CHANNEL 4= Ø(4+7) (EASTBOUND ONLY)

EMERGENCY PREEMPT NOTES:

1. UPON EMERGENCY PREEMPTION, ACTIVE WALK INDICATIONS SHALL IMMEDIATELY BE TERMINATED, FOLLOWED BY THE TIMING OF THE PEDESTRIAN CLEARANCE INTERVAL.

2. ALL ACTIVE PHASES SHALL TIME THEIR YELLOW AND ALL RED CLEARANCE INTERVALS UPON COMPLETION OF ANY PEDESTRIAN INTERVALS PRIOR TO TRANSITIONING TO THE EMERGENCY PREEMPT PHASE TO AVOID THE POTENTIAL FOR YELLOW BALL TRAP.

2. AFTER RELEASE FROM THE EMERGENCY PREEMPT, YELLOW AND ALL RED CLEARANCE INTERVALS SHALL BE DISPLAYED AND RETURN TO NORMAL COORDINATION TIMING PROGRESSION PER CURRENT COORDINATION RECOVERY SETTINGS.

RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ1	SB LEFT CALL	PRESENCE	Ø1	5	STOP LINE	8 X 40
RDZ2	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ3	WB LEFT CALL	PRESENCE	Ø3	-	STOP LINE	8 X 40
RDZ4A	EB CALL	PRESENCE	Ø4	10	STOP LINE	8 X 40
RDZ4B	EB CALL	PULSE	Ø4	-	ADVANCE	MAX
RDZ5	NB LEFT CALL	PRESENCE	Ø5	5	STOP LINE	8 X 40
RDZ6A	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6B	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ7	EB LEFT CALL	PRESENCE	Ø7	-	STOP LINE	8 X 40
RDZ8A	WB CALL	PRESENCE	Ø8	10	STOP LINE	8 X 40
RDZ8B	WB CALL	PRESENCE	Ø8	-	STOP LINE	8 X 40
RDZ8C	WB CALL	PULSE	Ø8	-	ADVANCE	MAX

TRAFFIC SIGNAL DETAILS
SR 204 (BLACKLICK-EASTERN ROAD NW) / TAYLOR ROAD / WELLESLEY DRIVE

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SHEET P.1219 TOTAL P.1556

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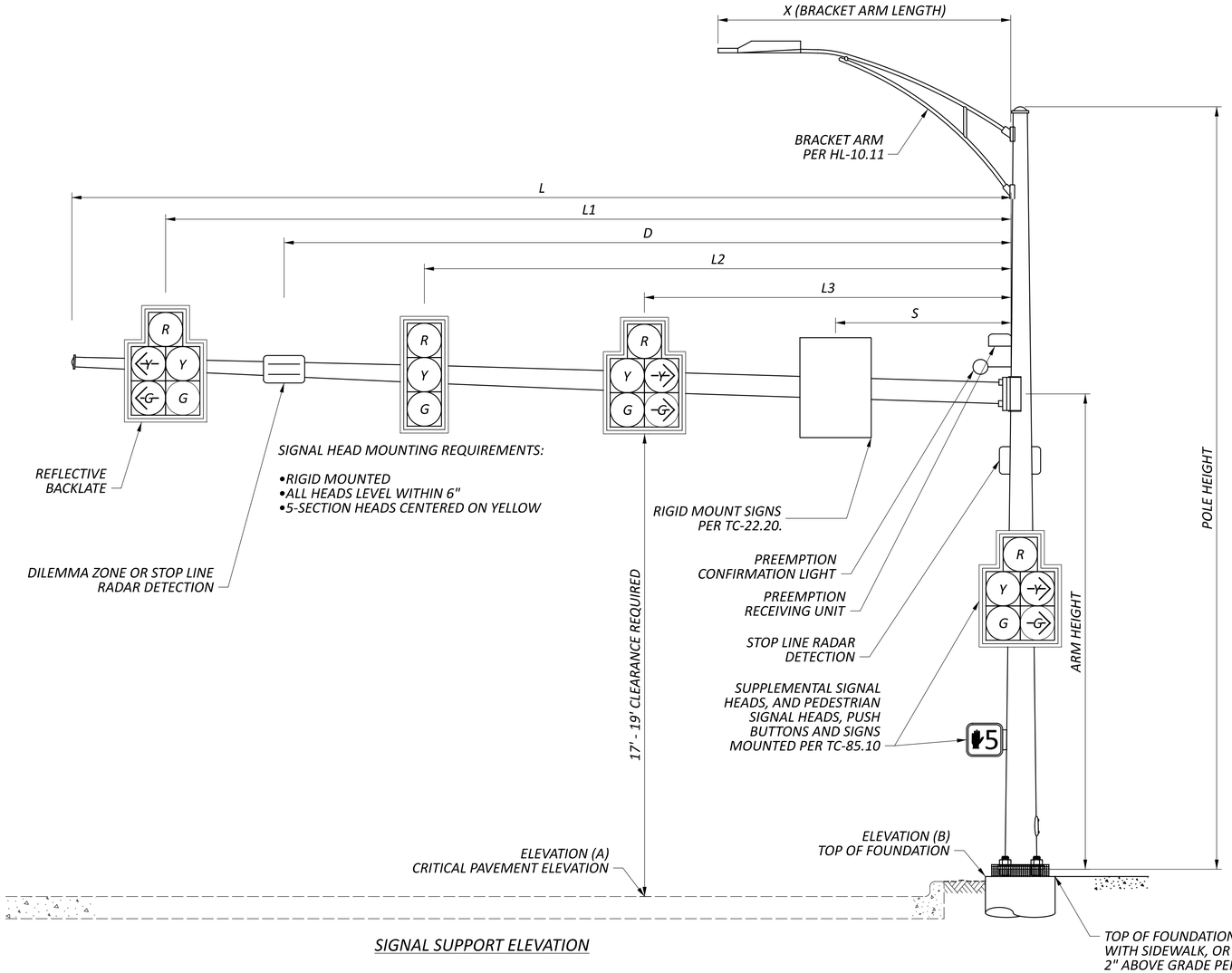
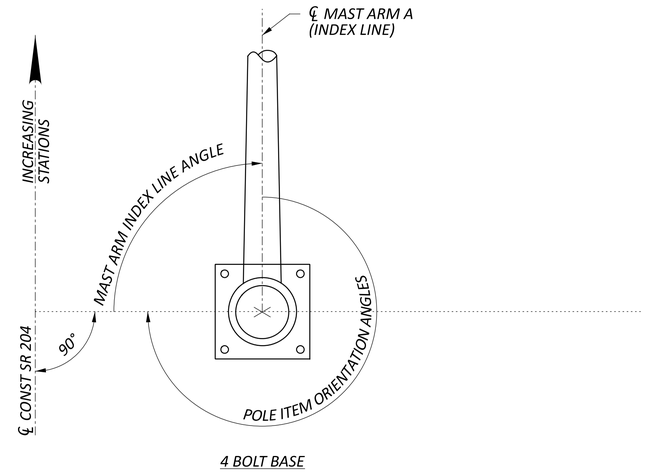


SIGNAL SUPPORT ELEVATION



4 BOLT BASE

NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A, EVEN IF THE SUPPORT HAS TWO ARMS.

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS										MAST ARM A INDEX LINE ANGLE	ORIENTATION ANGLES (DEG.) FROM INDEX LINE				
			A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	D	S	X		SUPPLEMENTAL SIGNAL HEAD	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	HANDHOLE	POWER SERVICE
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG
SP-1	41+88.2	46.9' LT.	-	-	TC-81.22	4	30	19.5	38	34	23	14	37	5.5	25	0	-	-	-	90	-
SP-2	41+88.6	38.0' RT.	-	-	TC-81.22	12	30	21	46	42.5	31.5	23	-	11.5	25	105	-	-	-	90	-
SP-3	43+04.0	79.1' LT.	-	-	TC-81.22	13	30	19	50	46	34.5	-	-	17	25	95	-	-	-	180	180
SP-4	42+91.0	36.5' RT.	-	-	TC-81.22	4	30	20	39	35.5	26.5	-	38	13.5	20	0	-	-	-	180	-
PS-1	41+96.7	46.1' RT.	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	0	0	180	-
PS-2	43+25.0	42.6' LT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	270	90	90	180	-
PS-3	43+21.4	30.1' RT.	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	270	270	180	-
PS-4	42+58.7	44.4' RT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	195	0	0	90	-

NOTE: ANGLES FOR PEDESTALS ARE REFERENCED CLOCKWISE FROM A LINE PERPENDICULAR TO THE ℄ CONST. SR 204.

TRAFFIC SIGNAL DETAILS
SR 204 (BLACKLICK-EASTERN ROAD NW) / TAYLOR ROAD / WELLESLEY DRIVE

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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1220 TOTAL P.1556

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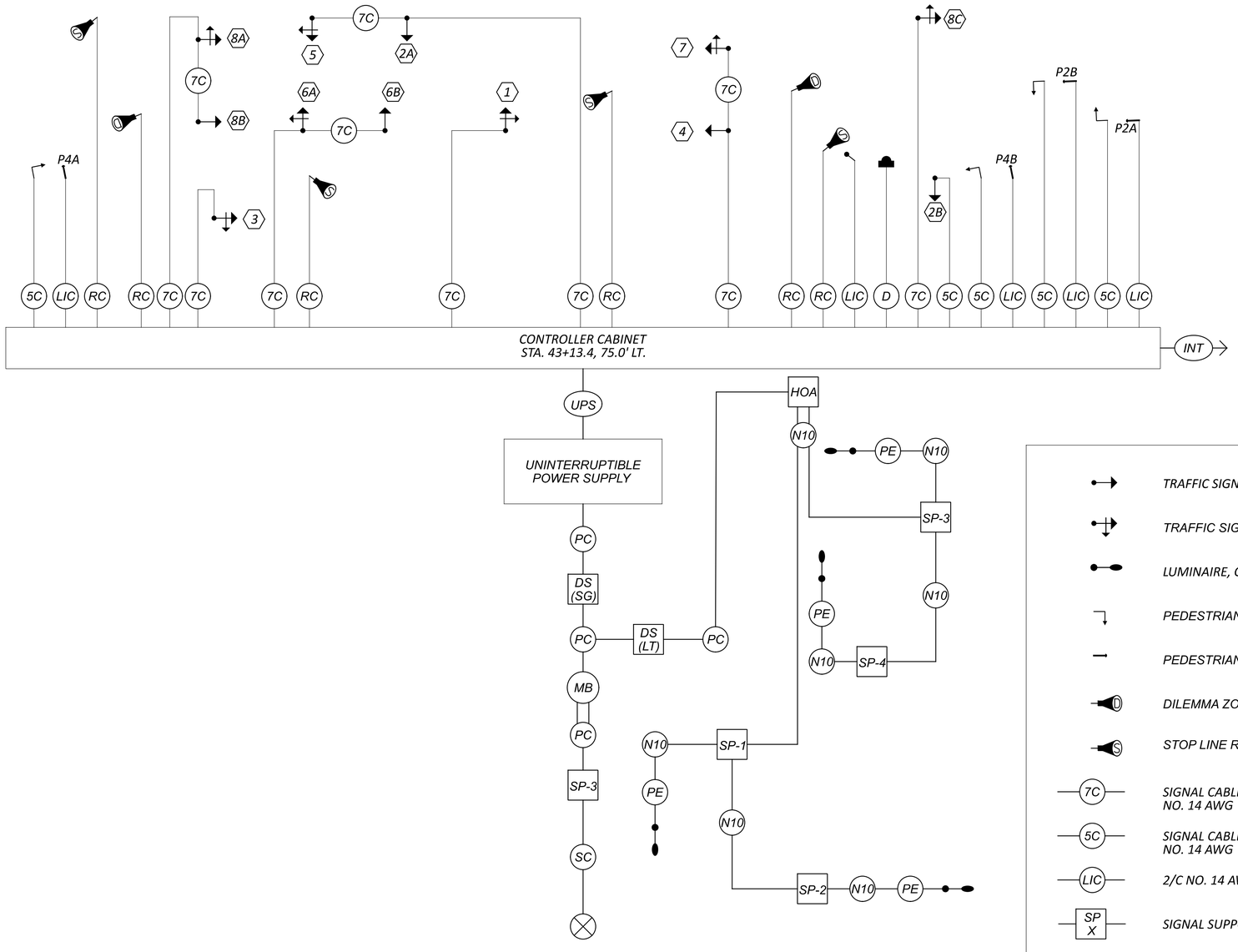
WIRING DIAGRAM



FIELD WIRING HOOKUP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH	SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
1 (SB LT)	R	Φ6 R	R	6A (SB RT)	R	Φ6 R	R
	Y	Φ6 Y			Y	Φ6 Y	
	G	Φ6 G			G	Φ6 G	
	<--Y---	Φ1 Y			---Y-->	Φ7 Y / LS 12 Y	
	<--G---	Φ1 G			---G-->	Φ7 G / LS 12 G	
2A, 2B (NB)	R	Φ2 R	R	6B (SB)	R	Φ6 R	R
	Y	Φ2 Y			Y	Φ6 Y	
	G	Φ2 G			G	Φ6 G	
3 (WB LT)	R	Φ8 R	R	7 (EB LT)	R	Φ4 R	R
	Y	Φ8 Y			Y	Φ4 Y	
	G	Φ8 G			G	Φ4 G	
	<--Y---	Φ3 Y			<--Y---	Φ7 Y	
	<--G---	Φ3 G			<--G---	Φ7 G	
4 (EB)	R	Φ4 R	R	8A, 8C (WB RT)	R	Φ8 R	R
	Y	Φ4 Y			Y	Φ8 Y	
	G	Φ4 G			G	Φ8 G	
5 (NB LT)	R	Φ2 R	R		---Y-->	Φ1 Y / LS 11 Y	
	Y	Φ2 Y			---G-->	Φ1 G / LS 11 G	
	G	Φ2 G		8B (WB)	R	Φ8 R	R
	<--Y---	Φ5 Y			Y	Φ8 Y	
	<--G---	Φ5 G			G	Φ8 G	
PEDESTRIAN MOVEMENTS				OVERLAPS			
PED A	W	Φ2 PED / LS 9 G	OUT	OLA	---Y-->	Φ1 Y / LS 13 Y	OUT
	DW	Φ2 PED / LS 9 R			---G-->	Φ1 G / LS 13 G	
PED B	W	Φ4 PED / LS 10 G	OUT	OLB	---Y-->	Φ7 Y / LS 14 Y	OUT
	DW	Φ4 PED / LS 10 R			---G-->	Φ7 G / LS 14 G	
LS = LOAD SWITCH							

LEGEND

- TRAFFIC SIGNAL, 3 UNIT HEAD, 12"
- TRAFFIC SIGNAL, 5 UNIT HEAD, 12"
- LUMINAIRE, CONVENTIONAL
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
- 5C — SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
- LIC — 2/C NO. 14 AWG (LEAD-IN CABLE)
- SP X — SIGNAL SUPPORT POLE NO. __
- PE — PHOTOELECTRIC CELL
- N10 — NO. 10 AWG POLE & BRACKET CABLE
- INT — INTERCONNECT CABLE
- RC — RADAR DETECTION CABLE
- POWER SOURCE
- SC — SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG
- PC — POWER CABLE, 2 CONDUCTOR, NO. 4 AWG
- MB — METER BASE
- DS (SG) — SIGNAL DISCONNECT SWITCH
- DS (LT) — LIGHTING DISCONNECT SWITCH
- HOA — HAND / OFF / AUTO SWITCH
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE
- D — PREEMPTION DETECTOR CABLE
- GPS PREEMPTION RECEIVING UNIT
- PREEMPTION CONFIRMATION LIGHT

TRAFFIC SIGNAL DETAILS
SR 204 (BLACKLICK-EASTERN ROAD NW) / TAYLOR ROAD / WELLESLEY DRIVE

DESIGN AGENCY
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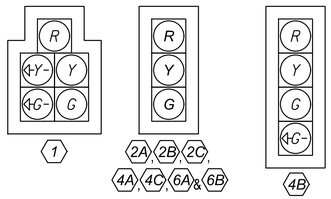
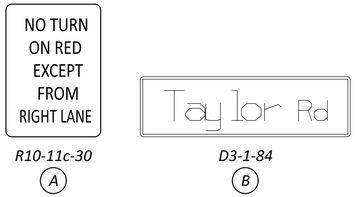
SIGNAL TYPES

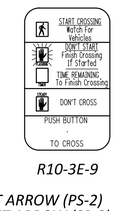


1. ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
2. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR AND HAVE BACKPLATES.
3. ALL SIGNAL HEAD VISORS SHALL BE CUTAWAY TYPE.

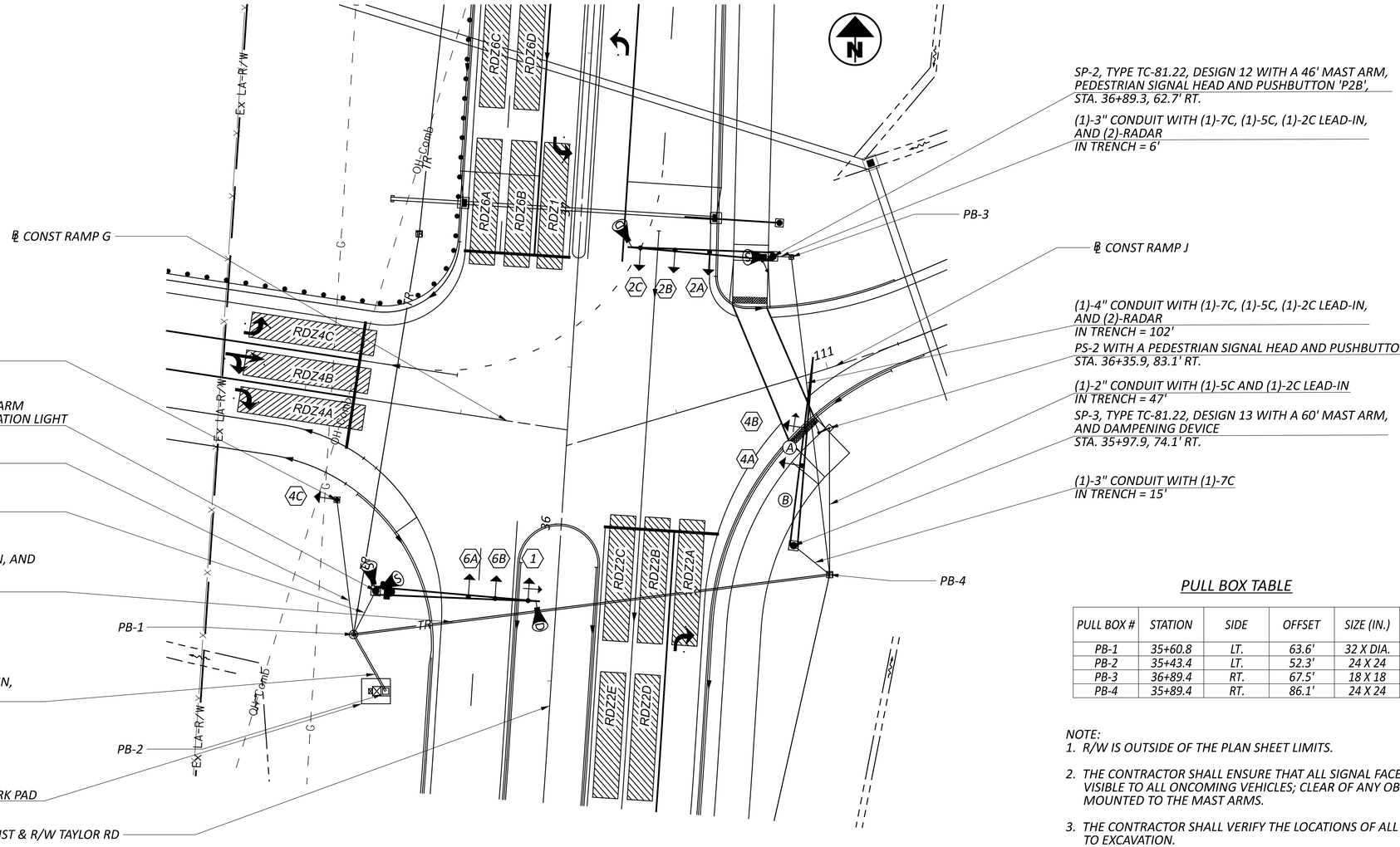
MAST ARM SIGNS



PEDESTRIAN SIGNS



1 - LEFT ARROW (PS-2)
1- RIGHT ARROW (SP-2)



℄ CONST RAMP G

PS-1 WITH A SUPPLEMENTAL SIGNAL HEAD
STA. 36+03.2, 71.6' LT.

SP-1, TYPE TC-81.22, DESIGN 13 WITH A 52' MAST ARM
GPS PREEMPTION RECEIVING UNIT AND CONFIRMATION LIGHT
STA. 35+75.1, 57.5' LT.

(1)-2" CONDUIT WITH (1)-5C
IN TRENCH = 44'

(1)-3" CONDUIT WITH (1)-7C, (1)-2C LEAD-IN,
(3)-RADAR AND (1)-PREEMPT
IN TRENCH = 16'

(1)-4" CONDUIT WITH (2)-7C, (2)-5C, (2)-2C LEAD-IN, AND
(2)-RADAR
(1)-4" CONDUIT (SEE INTERCONNECT PLANS)
IN TRENCH = 153'

PB-1

(2)-4" CONDUITS WITH (3)-7C, (3)-5C, (3)-2C LEAD-IN,
(5)-RADAR, (1)-PREEMPT AND (1)-DROP CABLE
IN TRENCH = 21'

PB-2

GROUND MOUNTED CONTROLLER
WITH UNINTERRUPTIBLE POWER SUPPLY AND WORK PAD
STA. 35+43.3, 55.1' LT.

℄ CONST & R/W TAYLOR RD

SP-2, TYPE TC-81.22, DESIGN 12 WITH A 46' MAST ARM,
PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON 'P2B',
STA. 36+89.3, 62.7' RT.

(1)-3" CONDUIT WITH (1)-7C, (1)-5C, (1)-2C LEAD-IN,
AND (2)-RADAR
IN TRENCH = 6'

PB-3

℄ CONST RAMP J

(1)-4" CONDUIT WITH (1)-7C, (1)-5C, (1)-2C LEAD-IN,
AND (2)-RADAR
IN TRENCH = 102'

PS-2 WITH A PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON 'P2A'
STA. 36+35.9, 83.1' RT.

(1)-2" CONDUIT WITH (1)-5C AND (1)-2C LEAD-IN
IN TRENCH = 47'

SP-3, TYPE TC-81.22, DESIGN 13 WITH A 60' MAST ARM,
AND DAMPENING DEVICE
STA. 35+97.9, 74.1' RT.

(1)-3" CONDUIT WITH (1)-7C
IN TRENCH = 15'

PB-4

PULL BOX TABLE

PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	35+60.8	LT.	63.6'	32 X DIA.
PB-2	35+43.4	LT.	52.3'	24 X 24
PB-3	36+89.4	RT.	67.5'	18 X 18
PB-4	35+89.4	RT.	86.1'	24 X 24

NOTE:
1. R/W IS OUTSIDE OF THE PLAN SHEET LIMITS.
2. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNAL FACES ARE CLEARLY VISIBLE TO ALL ONCOMING VEHICLES; CLEAR OF ANY OBSTRUCTION ONCE MOUNTED TO THE MAST ARMS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.
4. PROPOSED POWER SOURCE LOCATION TO BE DETERMINED WITH POWER COMPANY. THE POWER SOURCE LOCATION SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER. ALL ITEMS NECESSARY TO PROVIDE POWER TO THE PROPOSED SIGNAL, INCLUDING BUT NOT LIMITED TO, CONDUIT RISERS, CONDUIT, TRENCHING, DRILLING, PULL BOXES AND POWER CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN.
5. FOR TRAFFIC SIGNAL LEGEND, SEE SHEET P.1210 .

HORIZONTAL
SCALE IN FEET
0 10 20 40

TRAFFIC SIGNAL PLAN
TAYLOR ROAD / IR 70 EB RAMPS

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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1222 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_CP004 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:10:50 AM USER: brieder
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SIGNAL TIMING CHART

INTERSECTION: TAYLOR ROAD / IR 70 EB RAMPS									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION									
START UP		DUAL ENTRY: YES		PHASES:		2 & 6			
		REST IN RED:		RING 1	-			RING 2	-
START IN: ALL-RED FLASH TIME FOR: FLASH , ALL RED (SEC.): 9, 6 FIRST PHASE(S): Ø2 & Ø6 COLOR DISPLAYED: GREEN		OVERLAP				A	B	C	D
		PHASES				-	-	-	-
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)		1	2	3	4	5	6	7	8
DIRECTION		SB LT	NB	-	EB	-	SB	-	-
MINIMUM GREEN (INITIAL)	(SEC.)	7	20	-	10	-	20	-	-
ADDED INITIAL	*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL	*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)	(SEC.)	3.0	3.0	-	3.0	-	3.0	-	-
TIME BEFORE REDUCTION	*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP	*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE	*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I	(SEC.)	10	60	-	30	-	60	-	-
MAXIMUM GREEN II	(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE	(SEC.)	4.4	5.4	-	4.4	-	5.4	-	-
ALL RED CLEARANCE	(SEC.)	1.5	1.0	-	1.0	-	1.0	-	-
DELAYED GREEN (LPI) '	(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^	(SEC.)	-	-	-	-	-	-	-	-
WALK	(SEC.)	-	9	-	-	-	-	-	-
PEDESTRIAN CLEARANCE	(SEC.)	-	7	-	-	-	-	-	-
RECALL	MAXIMUM (ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM (ON/OFF)	-	ON	-	-	-	ON	-	-
	PEDESTRIAN (ON/OFF)	-	-	-	-	-	-	-	-
MEMORY	(ON/OFF)	-	-	-	-	-	-	-	-

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.

- FOR PROTECTED / PERMISSIVE PHASES, IMPLEMENT CALL OMITS TO AVOID YELLOW BALL TRAP.

- ENABLE Ø1 DETECTOR SWITCHING TO ALLOW Ø1 TO EXTEND Ø2 WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.

- COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL GO TO ZERO ON YELLOW PER OMUTCD FIGURE 4E-2.

- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6.0 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.

- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM THE STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1 - 35 MPH.

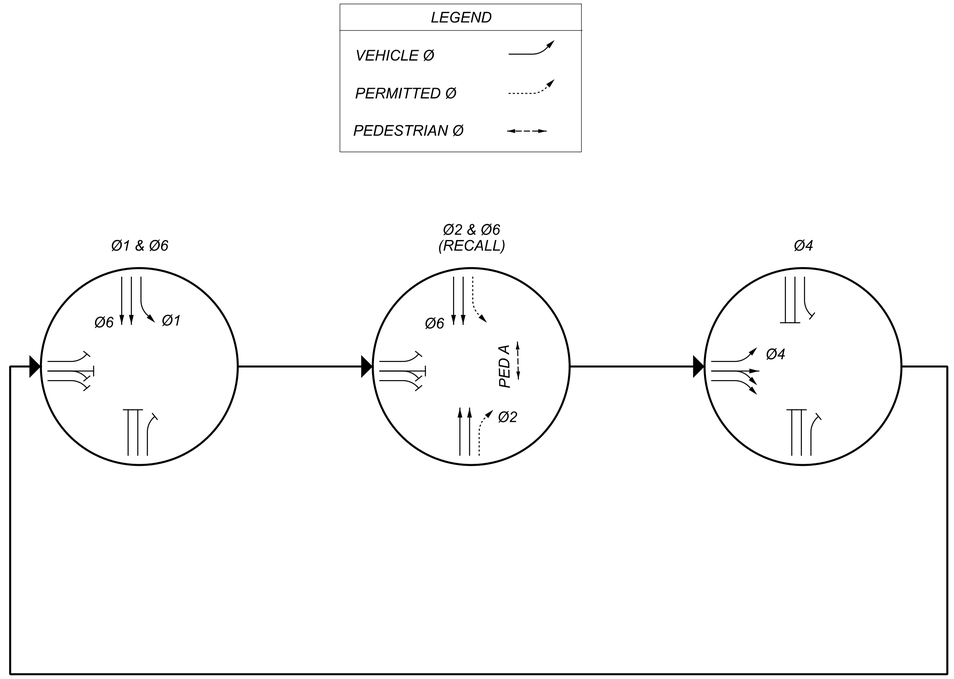
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.

- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (Ø4), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

NOTE TO REVIEWER:

COORDINATION TIMINGS TO BE PROVIDED AT STAGE 3.

PHASING DIAGRAM



EMERGENCY PREEMPT CHANNELS

CHANNEL 1 = Ø(2) (NORTHBOUND ONLY)
CHANNEL 2 = Ø(1+6) (SOUTHBOUND ONLY)
CHANNEL 3 = Ø(4) (EASTBOUND ONLY)

EMERGENCY PREEMPT NOTES:

1. UPON EMERGENCY PREEMPTION, ACTIVE WALK INDICATIONS SHALL IMMEDIATELY BE TERMINATED, FOLLOWED BY THE TIMING OF THE PEDESTRIAN CLEARANCE INTERVAL.

2. ALL ACTIVE PHASES SHALL TIME THEIR YELLOW AND ALL RED CLEARANCE INTERVALS UPON COMPLETION OF ANY PEDESTRIAN INTERVALS PRIOR TO TRANSITIONING TO THE EMERGENCY PREEMPT PHASE TO AVOID THE POTENTIAL FOR YELLOW BALL TRAP.

2. AFTER RELEASE FROM THE EMERGENCY PREEMPT, YELLOW AND ALL RED CLEARANCE INTERVALS SHALL BE DISPLAYED AND RETURN TO NORMAL COORDINATION TIMING PROGRESSION PER CURRENT COORDINATION RECOVERY SETTINGS.

RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ1	SB LEFT CALL	PRESENCE	Ø1	5	STOP LINE	8 X 40
RDZ2A	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2B	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2C	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2D	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ2E	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ4A	EB CALL	PRESENCE	Ø4	10	STOP LINE	8 X 40
RDZ4B	EB CALL	PRESENCE	Ø4	-	STOP LINE	8 X 40
RDZ4C	EB CALL	PRESENCE	Ø4	-	STOP LINE	8 X 40
RDZ6A	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6B	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6C	SB CALL	PULSE	Ø6	-	ADVANCE	MAX
RDZ6D	SB CALL	PULSE	Ø6	-	ADVANCE	MAX

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / IR 70 EB RAMPS

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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1223 TOTAL P.1556

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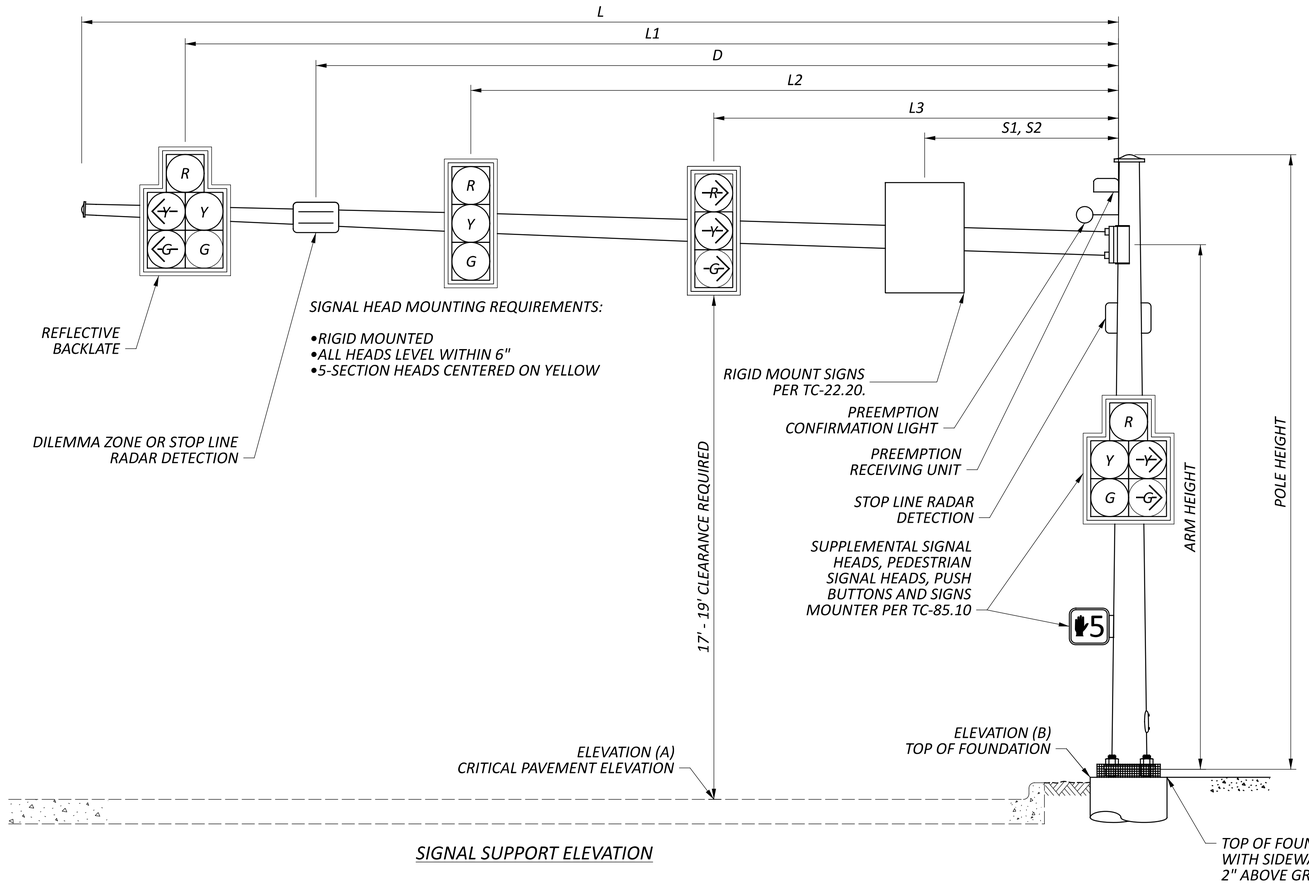
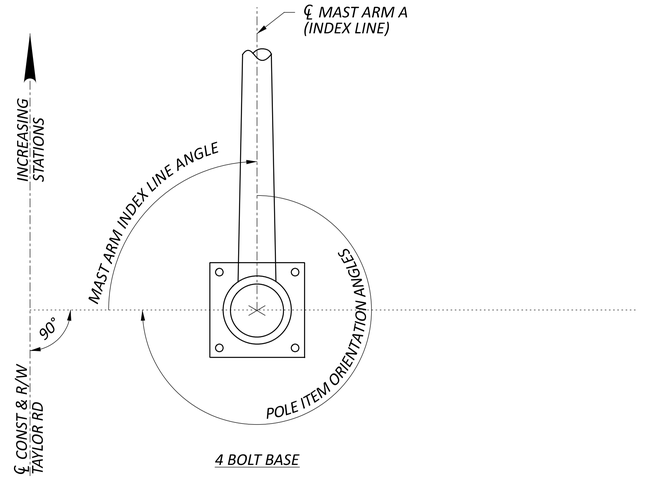


SIGNAL SUPPORT ELEVATION



4 BOLT BASE

NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A, EVEN IF THE SUPPORT HAS TWO ARMS.

POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											MAST ARM A INDEX LINE ANGLE	ORIENTATION ANGLES (DEG.) FROM INDEX LINE				
			A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	D	S1	S2		SUPPLEMENTAL SIGNAL HEAD	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	HANDHOLE	POWER SERVICE
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG
SP-1	35+75.1	57.5' LT.	-	-	TC-81.22	13	20.5	19	52	48.5	38	29.5	51	-	-	0	-	-	-	180	90
SP-2	36+89.3	62.7' RT.	-	-	TC-81.22	12	21.5	20	46	42	31	20	45	-	-	0	-	330	330	180	-
SP-3	35+97.9	74.1' RT.	-	-	TC-81.22	13	22.5	21	60	37.5	25.5	-	-	28.5	12.5	90	-	-	-	90	-
PS-1	36+03.2	71.6' LT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	180	-	-	180	-
PS-2	36+35.9	83.1' RT.	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	330	330	180	-

NOTE: ANGLES FOR PEDESTALS ARE REFERENCED CLOCKWISE FROM A LINE PERPENDICULAR TO THE ℄ CONST & R/W TAYLOR RD.

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TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / IR 70 EB RAMPS

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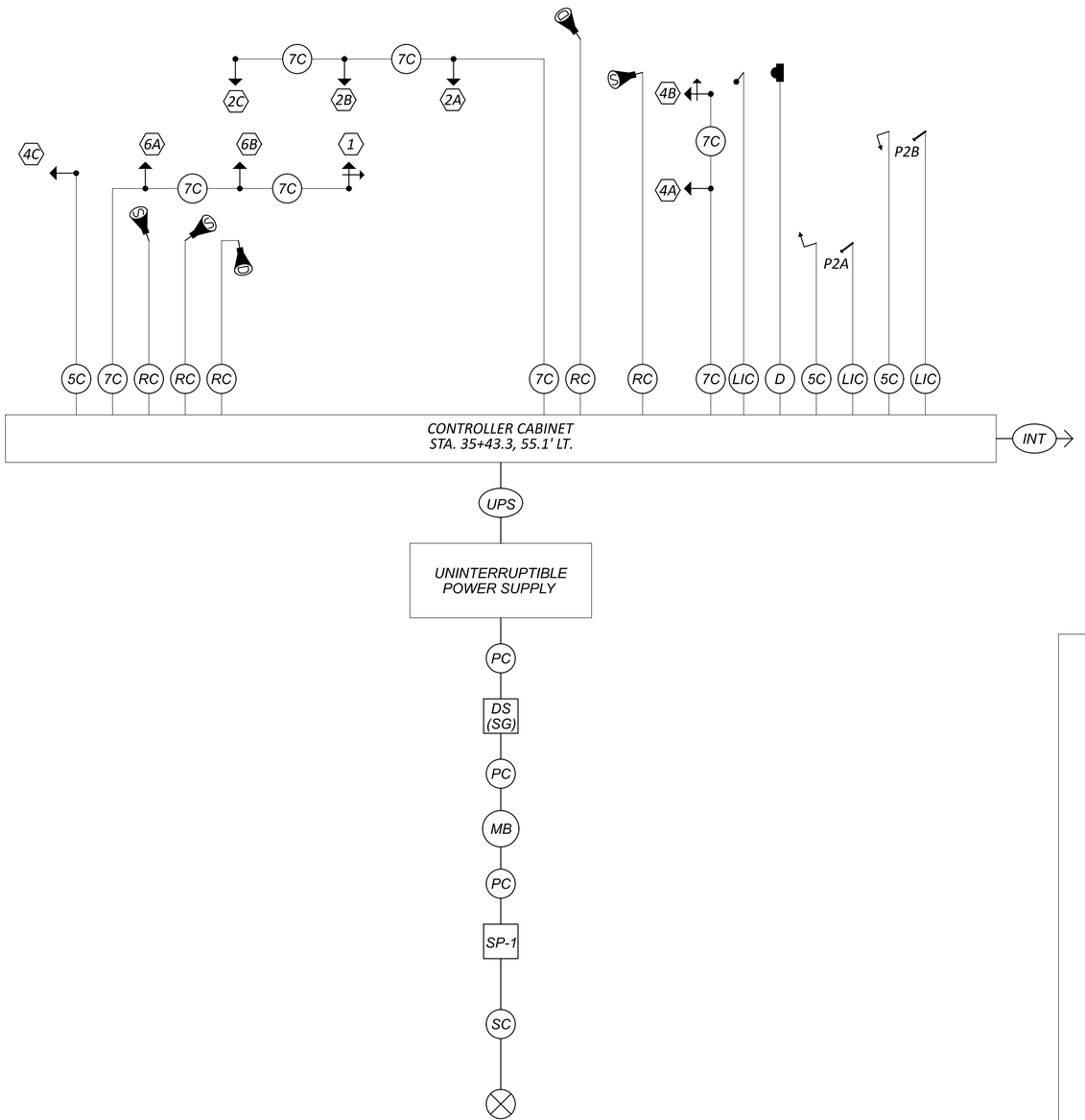
DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1224 TOTAL P.1556

WIRING DIAGRAM



FIELD WIRING HOOKUP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
1 (SB LT)	R	Φ6 R	R
	Y	Φ6 Y	
	G	Φ6 G	
	<--Y---	Φ1 Y	
	<--G---	Φ1 G	
2A, 2B, 2C (NB)	R	Φ2 R	R
	Y	Φ2 Y	
	G	Φ2 G	
4A, 4C (EB)	R	Φ4 R	R
	Y	Φ4 Y	
	G	Φ4 G	
4B (EB)	R	Φ4 R	R
	Y	Φ4 Y	
	G	Φ4 G	
	<--G---	Φ4 G	
6A, 6B (SB)	R	Φ6 R	R
	Y	Φ6 Y	
	G	Φ6 G	
PEDESTRIAN MOVEMENTS			
PED A	W	Φ2 PED / LS 9 G	OUT
	DW	Φ 2 PED / LS 9 R	
LS = LOAD SWITCH			

LEGEND

- TRAFFIC SIGNAL, 3 UNIT HEAD, 12"
- TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS
- TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
- 5C — SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
- LIC — 2/C NO. 14 AWG (LEAD-IN CABLE)
- SP X — SIGNAL SUPPORT POLE NO. __
- INT — INTERCONNECT CABLE
- RC — RADAR DETECTION CABLE
- POWER SOURCE
- SC — SERVICE CABLE, 2 CONDUCTOR, NO. 4 AWG
- PC — POWER CABLE, 2 CONDUCTOR, NO. 4 AWG
- MB — METER BASE
- DS (SG) — SIGNAL DISCONNECT SWITCH
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE
- D — PREEMPTION DETECTOR CABLE
- GPS PREEMPTION RECEIVING UNIT
- PREEMPTION CONFIRMATION LIGHT

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / IR 70 EB RAMPS

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PROJECT ID 96808
SHEET P.1225 TOTAL P.1556

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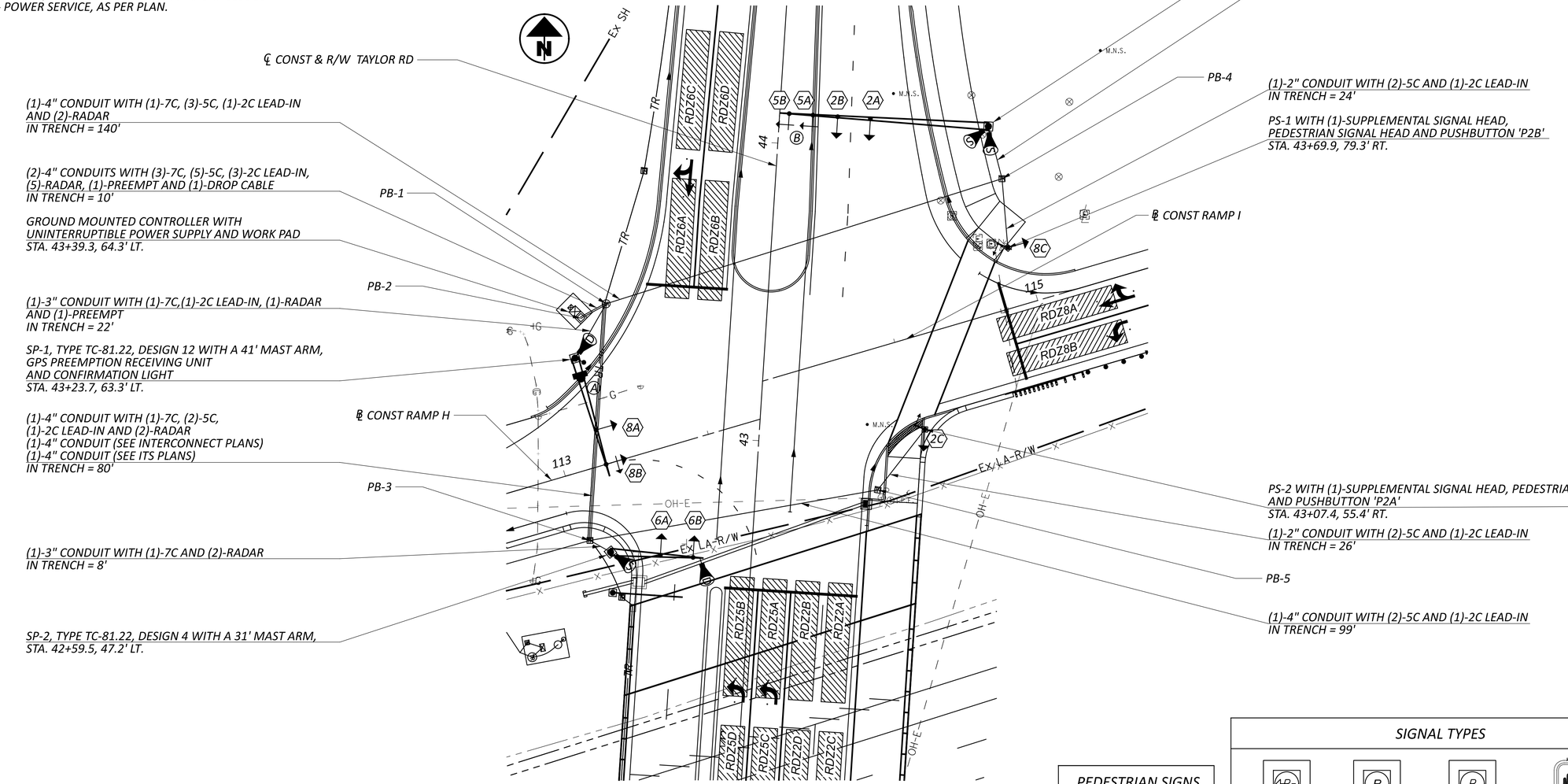
NOTE:
1. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNAL FACES ARE CLEARLY VISIBLE TO ALL ONCOMING VEHICLES; CLEAR OF ANY OBSTRUCTION ONCE MOUNTED TO THE MAST ARMS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.
3. FOR TRAFFIC SIGNAL LEGEND, SEE SHEET P.1210 .
4. R/W IS OUTSIDE OF THE PLAN SHEET LIMITS.
5. PROPOSED POWER SOURCE LOCATION TO BE DETERMINED WITH POWER COMPANY. THE POWER SOURCE LOCATION SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER. ALL ITEMS NECESSARY TO PROVIDE POWER TO THE PROPOSED SIGNAL, INCLUDING BUT NOT LIMITED TO, CONDUIT RISERS, CONDUIT, TRENCHING, DRILLING, PULL BOXES AND POWER CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN.



PULL BOX TABLE

PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	43+42.6	LT.	54.0'	32" DIA.
PB-2	43+37.4	LT.	62.2'	24 X 24
PB-3	42+63.0	LT.	54.4'	24 X 24
PB-4	43+92.9	RT.	75.9'	24 X 24
PB-5	42+86.1	RT.	40.9'	24 X 24

MAST ARM SIGNS



D3-1-84 (A)

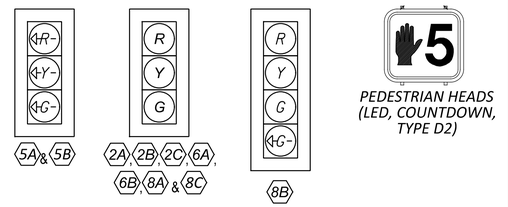
R10-10L-30 (B)

PEDESTRIAN SIGNS



R10-3E-9
1 - RIGHT ARROW (PS-1)
1 - LEFT ARROW (PS-2)

SIGNAL TYPES



1. ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
2. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR AND HAVE BACKPLATES.
3. ALL SIGNAL HEAD VISORS SHALL BE CUTAWAY TYPE.

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC SIGNAL PLAN
TAYLOR ROAD / IR 70 WB RAMPS

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PROJECT ID 96808
SHEET P.1226 TOTAL P.1556

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SIGNAL TIMING CHART

INTERSECTION: TAYLOR ROAD / IR 70 WB RAMPS
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRANSPORTATION

START UP
START IN: ALL-RED FLASH
TIME FOR: FLASH , ALL RED (SEC.): 9, 6
FIRST PHASE(S): Ø2 & Ø6
COLOR DISPLAYED: GREEN

DUAL ENTRY: YES | PHASES: 2 & 6
REST IN RED: RING 1 - | RING 2 -

OVERLAP	A	B	C	D
PHASES	-	-	-	-

INTERVAL OR FEATURE			CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)			1	2	3	4	5	6	7	8
DIRECTION			-	NB	-	-	NB LT	SB	-	WB
MINIMUM GREEN (INITIAL)		(SEC.)	-	20	-	-	7	20	-	10
ADDED INITIAL		*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL		*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)		(SEC.)	-	3.0	-	-	3.0	3.0	-	3.0
TIME BEFORE REDUCTION		*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP		*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE		*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I		(SEC.)	-	60	-	-	10	60	-	30
MAXIMUM GREEN II		(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE		(SEC.)	-	4.6	-	-	3.8	4.6	-	4.7
ALL RED CLEARANCE		(SEC.)	-	1.0	-	-	1.3	1.0	-	1.0
DELAYED GREEN (LPI) '		(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^		(SEC.)	-	7	-	-	-	-	-	-
WALK		(SEC.)	-	14	-	-	-	-	-	-
PEDESTRIAN CLEARANCE		(SEC.)	-	-	-	-	-	-	-	-
RECALL	MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM	(ON/OFF)	-	ON	-	-	-	ON	-	-
	PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY		(ON/OFF)	-	-	-	-	-	-	-	-

*VOLUME DENSITY CONTROLS

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.

- COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL GO TO ZERO ON YELLOW PER OMUTCD FIGURE 4E-2.

- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.

- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (Ø8), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6.0 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.

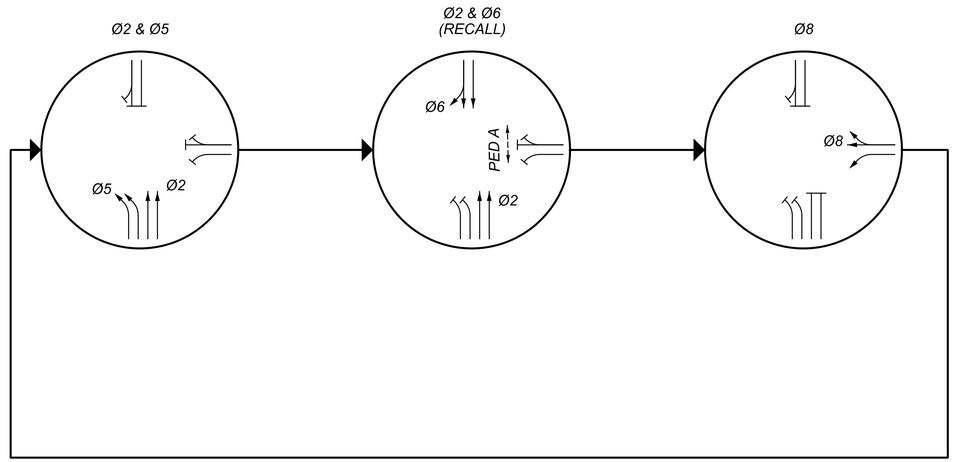
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM THE STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1 - 35 MPH.

NOTE TO REVIEWER:

COORDINATION TIMINGS TO BE PROVIDED AT STAGE 3.

PHASING DIAGRAM

LEGEND
VEHICLE Ø
PERMITTED Ø
PEDESTRIAN Ø



EMERGENCY PREEMPT CHANNELS

CHANNEL 1 = Ø(2+5) (NORTHBOUND ONLY)
CHANNEL 2 = Ø(6) (SOUTHBOUND ONLY)
CHANNEL 3 = Ø(8) (WESTBOUND ONLY)

EMERGENCY PREEMPT NOTES:

1. UPON EMERGENCY PREEMPTION, ACTIVE WALK INDICATIONS SHALL IMMEDIATELY BE TERMINATED, FOLLOWED BY THE TIMING OF THE PEDESTRIAN CLEARANCE INTERVAL.

2. ALL ACTIVE PHASES SHALL TIME THEIR YELLOW AND ALL RED CLEARANCE INTERVALS UPON COMPLETION OF ANY PEDESTRIAN INTERVALS PRIOR TO TRANSITIONING TO THE EMERGENCY PREEMPT PHASE TO AVOID THE POTENTIAL FOR YELLOW BALL TRAP.

2. AFTER RELEASE FROM THE EMERGENCY PREEMPT, YELLOW AND ALL RED CLEARANCE INTERVALS SHALL BE DISPLAYED AND RETURN TO NORMAL COORDINATION TIMING PROGRESSION PER CURRENT COORDINATION RECOVERY SETTINGS.

RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ2A	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2B	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2C	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ2D	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ5A	NB LEFT CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ5B	NB LEFT CALL	PRESENCE	Ø5	-	STOP LINE	8 X 40
RDZ5C	NB LEFT CALL	PULSE	Ø5	-	ADVANCE	MAX
RDZ5D	NB LEFT CALL	PULSE	Ø5	-	ADVANCE	MAX
RDZ6A	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6B	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6C	SB CALL	PULSE	Ø6	-	STOP LINE	MAX
RDZ6D	SB CALL	PULSE	Ø6	-	STOP LINE	MAX
RDZ8A	WB CALL	PRESENCE	Ø8	10	STOP LINE	8 X 40
RDZ8B	WB LEFT CALL	PRESENCE	Ø8	-	STOP LINE	8 X 40

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / IR 70 WB RAMPS

DESIGN AGENCY
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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1227 TOTAL P.1556

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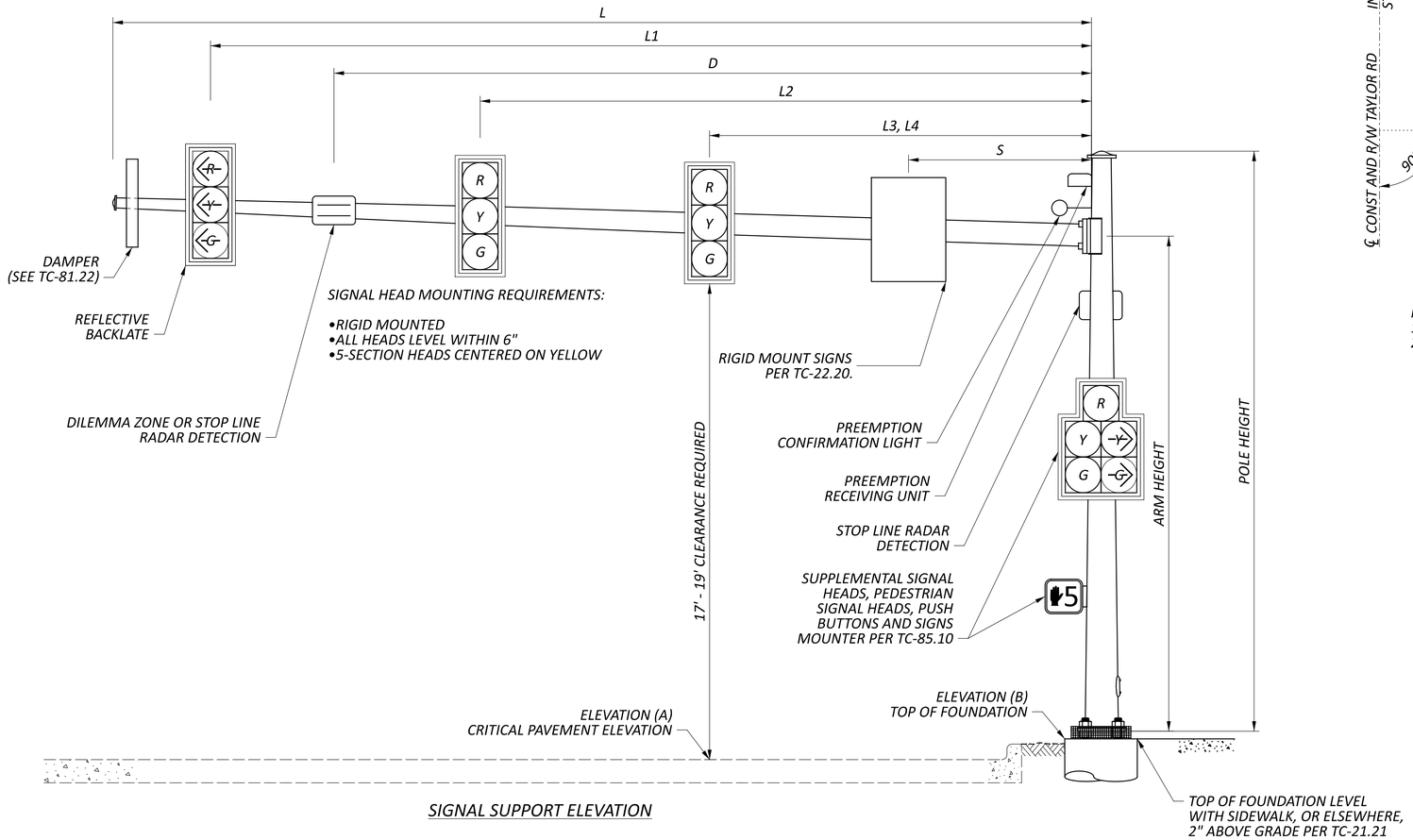
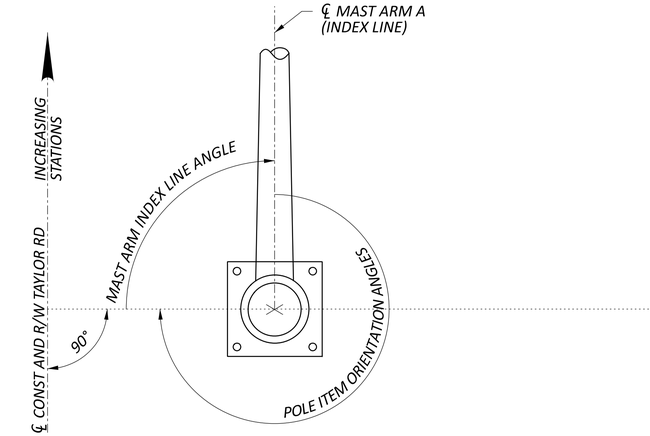


SIGNAL SUPPORT ELEVATION



4 BOLT BASE

NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A, EVEN IF THE SUPPORT HAS TWO ARMS.

POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											MAST ARM A INDEX LINE ANGLE	ORIENTATION ANGLES (DEG.) FROM INDEX LINE				
			A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D	S		SUPPLEMENTAL SIGNAL HEAD	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	HANDHOLE	POWER SERVICE
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG
SP-1	43+23.7	63.3' LT.	-	-	TC-81.22	12	22.5	21	41	37	25	-	-	-	12.5	70	-	-	-	180	180
SP-2	42+59.5	47.2' LT.	-		TC-81.22	4	21	19.5	31	27.5	16.5	-	-	30	-	0	-	-	-	180	-
SP-3	44+10.1	70.2' RT.	-	-	TC-81.22	14	20.5	19	70	67	59	50.5	39.5	-	63	0	-	-	-	180	-
PS-1	43+69.9	79.3' RT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	160	20	20	90	-
PS-2	43+07.4	55.4' RT.	-	-	-	-	15	-	-	-	-	-	-	-	-	-	270	20	20	270	-

NOTE: ANGLES FOR PEDESTALS ARE REFERENCED CLOCKWISE FROM A LINE PERPENDICULAR TO THE ℄ CONST & R/W TAYLOR RD

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / IR 70 WB RAMPS

DESIGN AGENCY
GPD GROUP

DESIGNER
BCT
REVIEWER
KMG 04/04/25
PROJECT ID
96808
SHEET P.1228 TOTAL P.1556

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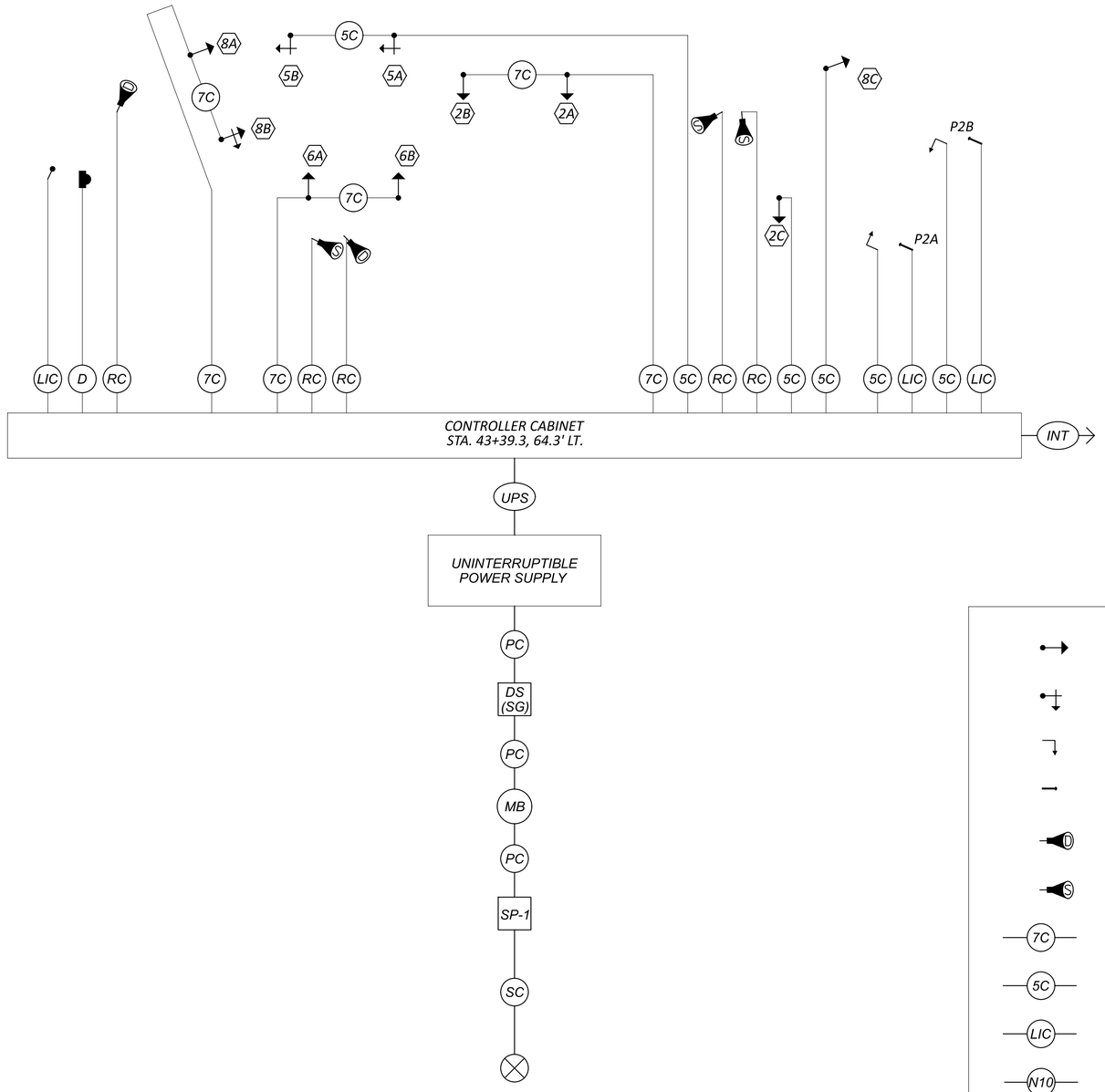
WIRING DIAGRAM



FIELD WIRING HOOKUP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
2A, 2B, 2C	R	Φ2 R	R
	Y	Φ2 Y	
(NB)	G	Φ2 G	
5A, 5B	<--R---	Φ5 R	R
	<--Y---	Φ5 Y	
(NB LT)	<--G---	Φ5 G	
6A, 6B	R	Φ6 R	R
	Y	Φ6 Y	
(SB)	G	Φ6 G	
8A, 8C	R	Φ8 R	R
	Y	Φ8 Y	
(WB)	G	Φ8 G	
8B	R	Φ8 R	R
	Y	Φ8 Y	
	G	Φ8 G	
(WB)	<--G---	Φ8 G	
PEDESTRIAN MOVEMENTS			
PED A	W	Φ2 PED / LS 9 G	OUT
	DW	Φ2 PED / LS 9 R	
LS = LOAD SWITCH			

LEGEND

- TRAFFIC SIGNAL, 3 UNIT HEAD, 12"
- TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
- 5C — SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
- LIC — 2/C NO. 14 AWG (LEAD-IN CABLE)
- N10 — NO. 10 AWG POLE & BRACKET CABLE
- SP X — SIGNAL SUPPORT POLE NO. __
- INT — INTERCONNECT CABLE
- RC — RADAR DETECTION CABLE
- POWER SOURCE
- SC — SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG
- PC — POWER CABLE, 2 CONDUCTOR, NO. 4 AWG
- MB — METER BASE
- DS (SG) — SIGNAL DISCONNECT SWITCH
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE
- D — PREEMPTION DETECTOR CABLE
- GPS PREEMPTION RECEIVING UNIT
- PREEMPTION CONFIRMATION LIGHT

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / IR 70 WB RAMPS

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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1229 TOTAL P.1556

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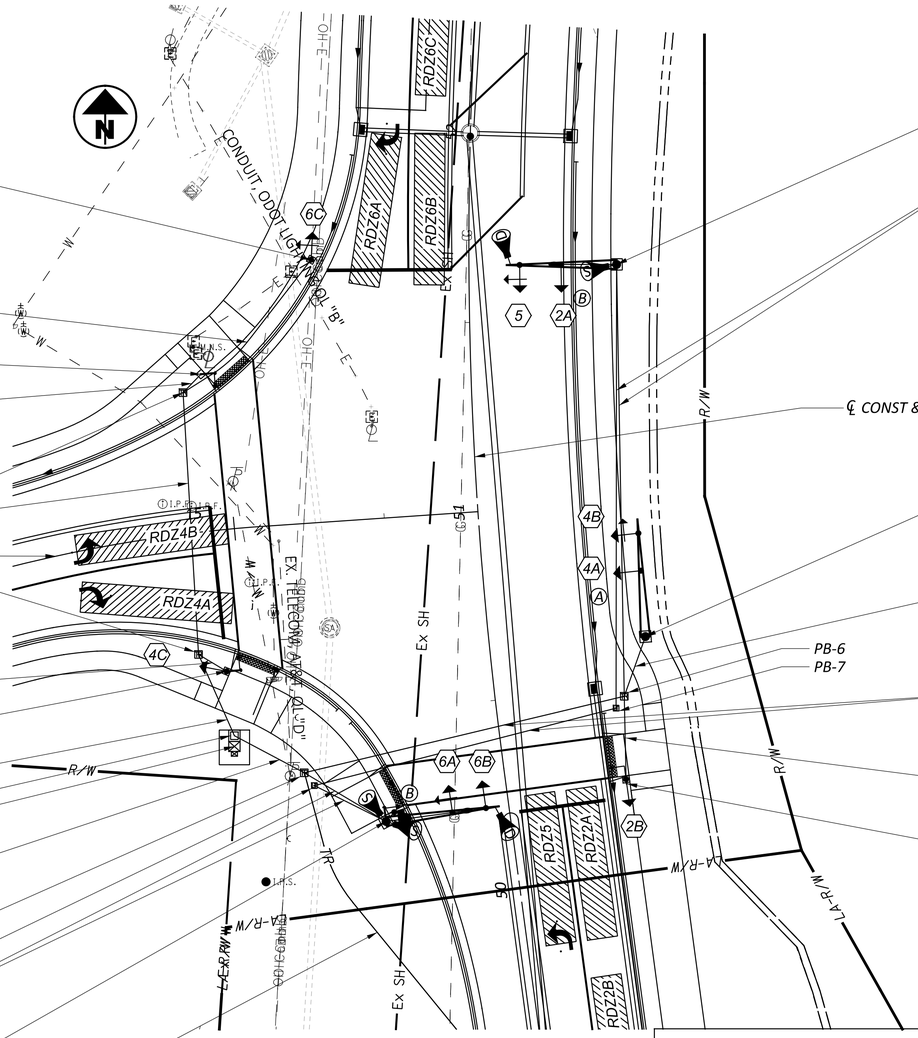
NOTE:
1. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNAL FACES ARE CLEARLY VISIBLE TO ALL ONCOMING VEHICLES; CLEAR OF ANY OBSTRUCTION ONCE MOUNTED TO THE MAST ARMS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.
3. FOR TRAFFIC SIGNAL LEGEND, SEE SHEET P.1210.
4. PROPOSED POWER SOURCE LOCATION TO BE DETERMINED WITH POWER COMPANY. THE POWER SOURCE LOCATION SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER. ALL ITEMS NECESSARY TO PROVIDE POWER TO THE PROPOSED SIGNAL, INCLUDING BUT NOT LIMITED TO, CONDUIT RISERS, CONDUIT, TRENCHING, DRILLING, PULL BOXES AND POWER CABLE, SHALL BE INCIDENTAL TO AND INCLUDED UNDER ITEM 632 - POWER SERVICE, AS PER PLAN.

PULL BOX TABLE

PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	51+34.1	LT.	76.1'	24 X 24
PB-2	50+69.6	LT.	76.6'	24 X 24
PB-3	50+48.8	LT.	69.5'	24 X 24
PB-4	50+37.5	LT.	52.4'	24 X 24
PB-5	50+34.2	LT.	50.4'	18 X 18
PB-6	50+47.0	RT.	33.9'	24 X 24
PB-7	50+44.1	RT.	31.4'	18 X 18



PS-1 WITH A SUPPLEMENTAL SIGNAL HEAD
STA. 51+66.7, 41.6' LT.

(1)-2" CONDUIT WITH (1)-7C
IN TRENCH = 50'

PS-2 WITH A PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON 'P6A'
STA. 51+38.6, 71.2' LT.

(1)-2" CONDUIT WITH (1)-5C AND (1)-2C LEAD-IN
IN TRENCH = 7'

(1)-4" CONDUIT WITH (1)-7C, (1)-5C AND (1)-2C LEAD-IN
IN TRENCH = 70'

℄ CONST & R/W TAYLOR RD SW

(1)-2" CONDUIT WITH (2)-5C AND (1)-2C LEAD-IN
IN TRENCH = 9'

PS-3 WITH A PEDESTRIAN SIGNAL HEAD, PUSHBUTTON 'P6B' AND SUPPLEMENTAL SIGNAL HEAD
STA. 50+64.8, 69.7' LT.

(1)-4" CONDUIT WITH (1)-7C, (3)-5C AND (2)-2C LEAD-IN
IN TRENCH = 24'

GROUND MOUNTED CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY AND WORK PAD
STA. 50+46.1, 69.8' LT.

(1)-4" CONDUIT WITH (2)-7C, (3)-5C, (3)-2C LEAD-IN, (5)-RADAR, (1)-PREEMPT, AND (1)- DROP CABLE
IN TRENCH = 21'

(1)-3" CONDUIT WITH (1)-7C, (1)-5C, (2)-2C LEAD-IN, (3)-RADAR AND (1)-PREEMPT
(1)-2" CONDUIT WITH (1)-LIGHTING
IN TRENCH = 26'

SP-1, TYPE TC-81.22, DESIGN 4 WITH A 30' MAST ARM, 20' BRACKET ARM, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON 'P4A', GPS PREEMPTION RECEIVING UNIT AND CONFIRMATION LIGHT
STA. 50+22.1, 32.7' LT.

(1)-2" CONDUIT WITH (1)-DROP CABLE
(SEE INTERCONNECT PLANS)

SP-2, TYPE TC-81.22, DESIGN 4 WITH A 29' MAST ARM AND 15' BRACKET ARM
STA. 51+65.1, 39.0' RT.

(1)-3" CONDUIT WITH (1)-7C AND (2)-RADAR
(1)-2" CONDUIT WITH (1)-LIGHTING
IN TRENCH = 118'

℄ CONST & R/W TAYLOR RD

SP-3, TYPE TC-81.22, DESIGN 4 WITH A 31' MAST ARM
STA. 50+62.1, 41.2' RT.

(1)-3" CONDUIT WITH (1)-7C
IN TRENCH = 17'

(1)-4" CONDUIT WITH (2)-7C, (2)-5C, (1)-2C LEAD-IN AND (2)-RADAR
(1)-4" CONDUIT WITH (1)-LIGHTING
IN TRENCH = 87'

(1)-2" CONDUIT WITH (2)-5C AND (1)-2C LEAD-IN
IN TRENCH = 22'

PS-4 WITH A PEDESTRIAN SIGNAL HEAD, PUSHBUTTON 'P4B' AND A SUPPLEMENTAL SIGNAL HEAD
STA. 50+24.8, 31.6' RT.

MAST ARM SIGNS



D3-1-84 (A) D3-1-106 (B)

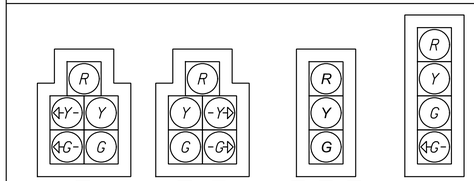
PEDESTRIAN SIGNS



R10-3E-9

2 - LEFT ARROWS (PS-2, SP-1)
2- RIGHT ARROWS (PS-3, PS-4)

SIGNAL TYPES



1. ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
2. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR AND HAVE BACKPLATES.
3. ALL SIGNAL HEAD VISORS SHALL BE CUTAWAY TYPE.

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC SIGNAL PLAN
TAYLOR ROAD / TAYLOR ROAD SW

DESIGN AGENCY
GPD GROUP*
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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
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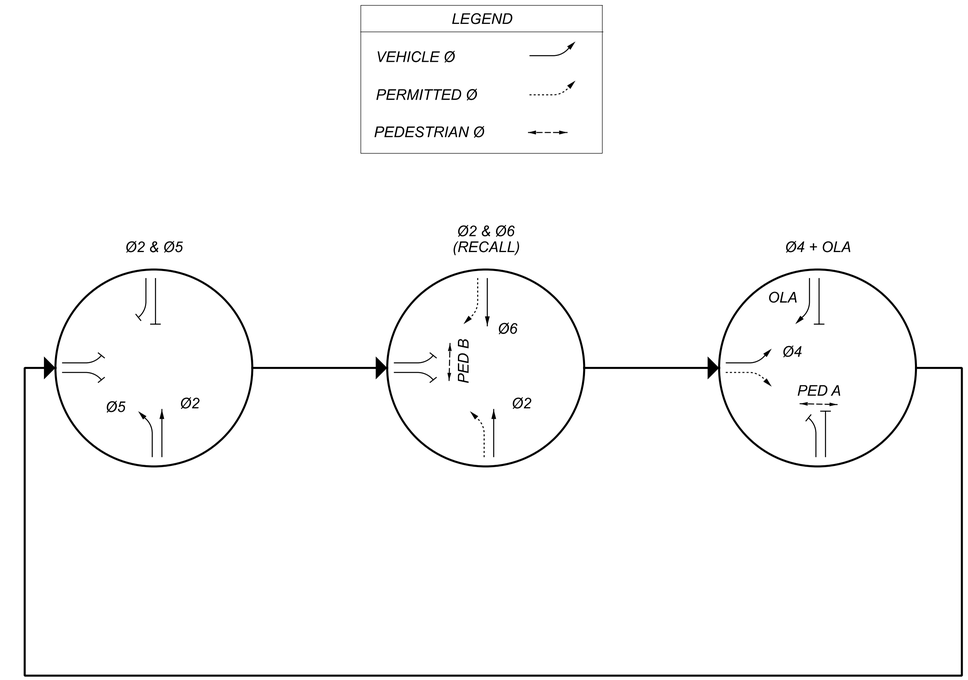
SIGNAL TIMING CHART

INTERSECTION: TAYLOR ROAD / TAYLOR ROAD SW									
MAINTAINING AGENCY: OHIO DEPARTMENT OF TRASNPORTATION									
START UP		DUAL ENTRY: YES		PHASES:			2 & 6		
		REST IN RED:		RING 1	-		RING 2	-	
START IN: -		OVERLAP			A	B	C	D	
TIME FOR: FLASH , ALL RED (SEC.): 9, 6									
FIRST PHASE(S): Ø2 & Ø6									
COLOR DISPLAYED: -		PHASES			4	-	-	-	
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)		1	2	3	4	5	6	7	8
DIRECTION		-	NB	-	EB	NB LT	SB	-	-
MINIMUM GREEN (INITIAL)	(SEC.)	-	20	-	10	7	20	-	-
ADDED INITIAL	*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL	*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)	(SEC.)	-	3.0	-	3.0	3.0	3.0	-	-
TIME BEFORE REDUCTION	*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP	*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE	*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I	(SEC.)	-	60	-	30	10	60	-	-
MAXIMUM GREEN II	(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE	(SEC.)	-	5.2	-	3.1	4.1	5.2	-	-
ALL RED CLEARANCE	(SEC.)	-	1.0	-	2.0	2.3	1.0	-	-
DELAYED GREEN (LPI) '	(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^	(SEC.)	-	-	-	-	-	-	-	-
WALK	(SEC.)	-	-	-	7	-	7	-	-
PEDESTRIAN CLEARANCE	(SEC.)	-	-	-	13	-	17	-	-
RECALL	MAXIMUM (ON/OFF)	-	-	-	-	-	-	-	-
	MINIMUM (ON/OFF)	-	ON	-	-	-	ON	-	-
	PEDESTRIAN (ON/OFF)	-	-	-	-	-	-	-	-
MEMORY	(ON/OFF)	-	-	-	-	-	-	-	-

PHASING DIAGRAM



NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6.0 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM THE STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1 - 35 MPH.
- FOR PROTECTED / PERMISSIVE PHASES, IMPLEMENT CALL OMITS TO AVOID YELLOW BALL TRAP.
- ENABLE Ø5 DETECTOR SWITCHING TO ALLOW Ø5 TO EXTEND Ø6 , WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.
- COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL GO TO ZERO ON YELLOW PER OMUTCD FIGURE 4E-2.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.
- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (Ø4), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

NOTE TO REVIEWER:

COORDINATION TIMINGS TO BE PROVIDED AT STAGE 3.

EMERGENCY PREEMPT CHANNELS

CHANNEL 1 = Ø(2+5) (NORTHBOUND ONLY)
CHANNEL 2 = Ø(6) (SOUTHBOUND ONLY)
CHANNEL 3 = Ø(4) (EASTBOUND ONLY)

EMERGENCY PREEMPT NOTES:

1. UPON EMERGENCY PREEMPTION, ACTIVE WALK INDICATIONS SHALL IMMEDIATELY BE TERMINATED, FOLLOWED BY THE TIMING OF THE PEDESTRIAN CLEARANCE INTERVAL.
2. ALL ACTIVE PHASES SHALL TIME THEIR YELLOW AND ALL RED CLEARANCE INTERVALS UPON COMPLETION OF ANY PEDESTRIAN INTERVALS PRIOR TO TRANSITIONING TO THE EMERGENCY PREEMPT PHASE TO AVOID THE POTENTIAL FOR YELLOW BALL TRAP.
2. AFTER RELEASE FROM THE EMERGENCY PREEMPT, YELLOW AND ALL RED CLEARANCE INTERVALS SHALL BE DISPLAYED AND RETURN TO NORMAL COORDINATION TIMING PROGRESSION PER CURRENT COORDINATION RECOVERY SETTINGS.

RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ2A	NB CALL	PRESENCE	Ø2	-	STOP LINE	8 X 40
RDZ2B	NB CALL	PULSE	Ø2	-	ADVANCE	MAX
RDZ4A	EB CALL	PRESENCE	Ø4	10	STOP LINE	8 X 40
RDZ4B	EB CALL	PRESENCE	Ø4	-	STOP LINE	8 X 40
RDZ5	NB LEFT CALL	PRESENCE	Ø5	5	STOP LINE	8 X 40
RDZ6A	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6B	SB CALL	PRESENCE	Ø6	-	STOP LINE	8 X 40
RDZ6C	SB CALL	PULSE	Ø6	-	ADVANCE	MAX

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / TAYLOR ROAD SW

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PROJECT ID 96808
SHEET P.1231 TOTAL P.1556

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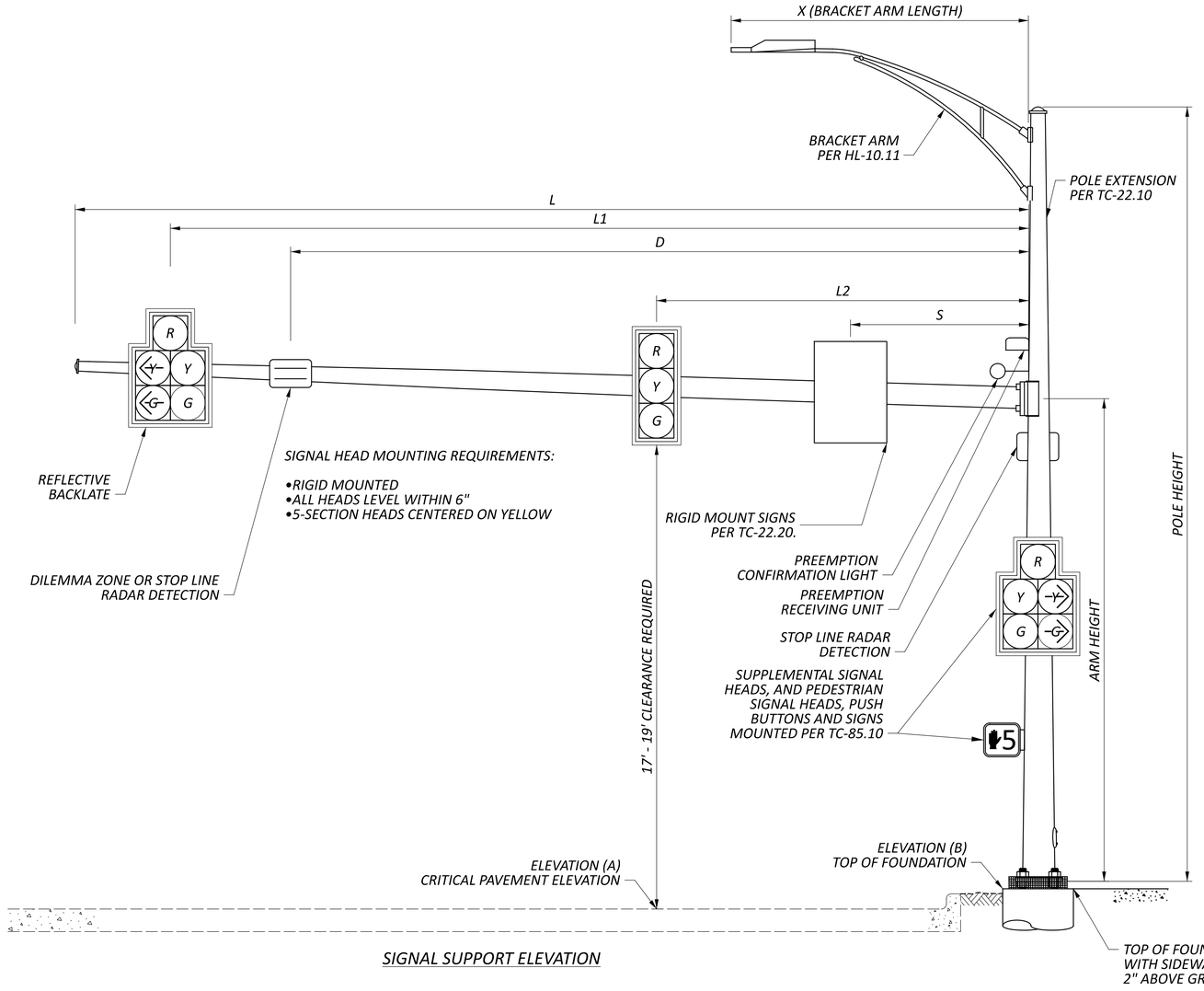
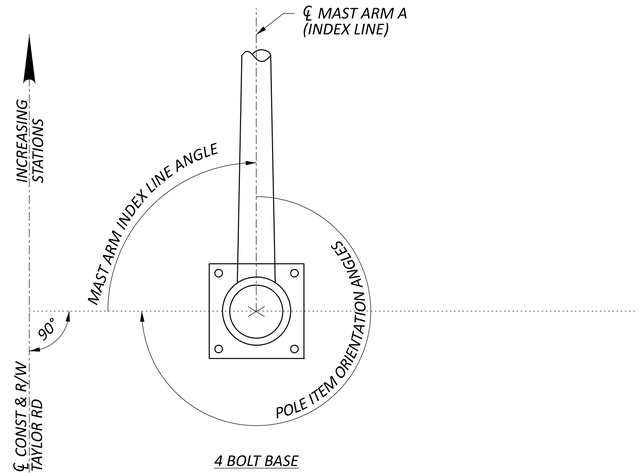


SIGNAL SUPPORT ELEVATION



4 BOLT BASE

NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A, EVEN IF THE SUPPORT HAS TWO ARMS.

POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS										MAST ARM A INDEX LINE ANGLE	ORIENTATION ANGLES (DEG.) FROM INDEX LINE					
			A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	D	X	S		SUPPLEMENTAL SIGNAL HEAD	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	BRACKET ARM	HANDHOLE	POWER SERVICE
			FT	FT			FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG	DEG
SP-1	50+22.1	32.7' LT.	-	-	TC-81.22	4	30	20	30	26.5	17.5	29	20	8.5	0	-	270	270	0	180	160
SP-2	51+65.1	39.0' RT.	-	-	TC-81.22	4	30	20	29	25.5	14.5	28	15	7	0	-	-	-	0	90	-
SP-3	50+62.1	41.2' RT.	-	-	TC-81.22	4	23	21.5	31	27.5	17.5	-	-	8.5	90	-	-	-	-	0	-
PS-1	51+66.7	41.6' LT.	-	-	-	-	15	-	-	-	-	-	-	-	-	275	-	-	-	-	-
PS-2	51+38.6	71.2' LT.	-	-	-	-	8	-	-	-	-	-	-	-	-	-	0	0	-	180	-
PS-3	50+64.8	69.7' LT.	-	-	-	-	15	-	-	-	-	-	-	-	-	195	0	0	-	90	-
PS-4	50+24.8	31.6' RT.	-	-	-	-	15	-	-	-	-	-	-	-	-	270	90	90	-	180	-

NOTE: ANGLES FOR PEDESTALS ARE REFERENCED CLOCKWISE FROM A LINE PERPENDICULAR TO THE ℄ CONST. & R/W TAYLOR RD.

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TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / TAYLOR ROAD SW

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GPD GROUP
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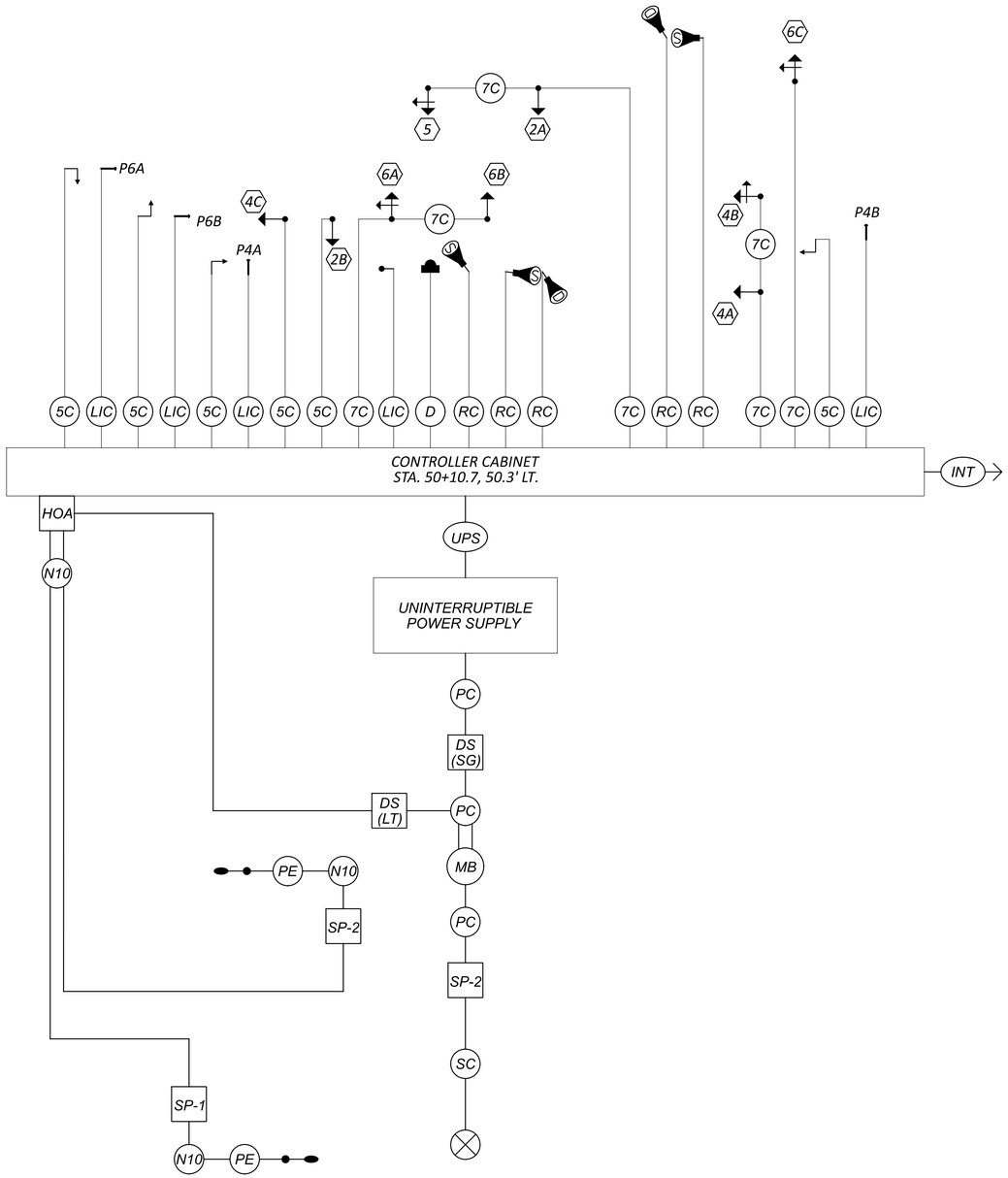
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1232 TOTAL P.1556

WIRING DIAGRAM



FIELD WIRING HOOKUP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
2A, 2B	R	Φ2 R	R
	Y	Φ2 Y	
(NB)	G	Φ2 G	
4A, 4C	R	Φ4 R	R
	Y	Φ4 Y	
(EB)	G	Φ4 G	
4B	R	Φ4 R	R
	Y	Φ4 Y	
	G	Φ4 G	
(EB)	<--Y---	Φ4 Y	
	<--G---	Φ4 G	
5	R	Φ2 R	R
	Y	Φ2 Y	
	G	Φ2 G	
(NB LT)	<--Y---	Φ5 Y	
	<--G---	Φ5 G	
6A, 6C	R	Φ6 R	R
	Y	Φ6 Y	
	G	Φ6 G	
(SB RT)	---Y-->	Φ4 Y / LS 11 Y	
	---G-->	Φ4 G / LS 11 G	
6B	R	Φ6 R	R
	Y	Φ6 Y	
(SB)	G	Φ6 G	
OVERLAPS			
OLA	---Y-->	Φ4 Y / LS 11 Y	OUT
	---G-->	Φ4 G / LS 11 G	
PEDESTRIAN MOVEMENTS			
PED A	W	Φ4 PED / LS 9 G	OUT
	DW	Φ4 PED / LS 9 R	
PED B	W	Φ6 PED / LS 10 G	OUT
	DW	Φ6 PED / LS 10 R	
LS = LOAD SWITCH			

LEGEND

- TRAFFIC SIGNAL, 3 UNIT HEAD, 12"
- TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"
- LUMINAIRE, CONVENTIONAL
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
- 5C — SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
- LIC — 2/C NO. 14 AWG (LEAD-IN CABLE)
- PE — PHOTOELECTRIC CELL
- N10 — NO. 10 AWG POLE & BRACKET CABLE
- SP X — SIGNAL SUPPORT POLE NO. __
- INT — INTERCONNECT CABLE
- RC — RADAR DETECTION CABLE
- POWER SOURCE
- SC — SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG
- PC — POWER CABLE, 2 CONDUCTOR, NO. 4 AWG
- MB — METER BASE
- DS (SG) — SIGNAL DISCONNECT SWITCH
- DS (LT) — LIGHTING DISCONNECT SWITCH
- HOA — HAND / OFF / AUTO SWITCH
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE
- D — PREEMPTION DETECTOR CABLE
- GPS PREEMPTION RECEIVING UNIT
- PREEMPTION CONFIRMATION LIGHT

TRAFFIC SIGNAL DETAILS
TAYLOR ROAD / TAYLOR ROAD SW

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SHEET P.1233 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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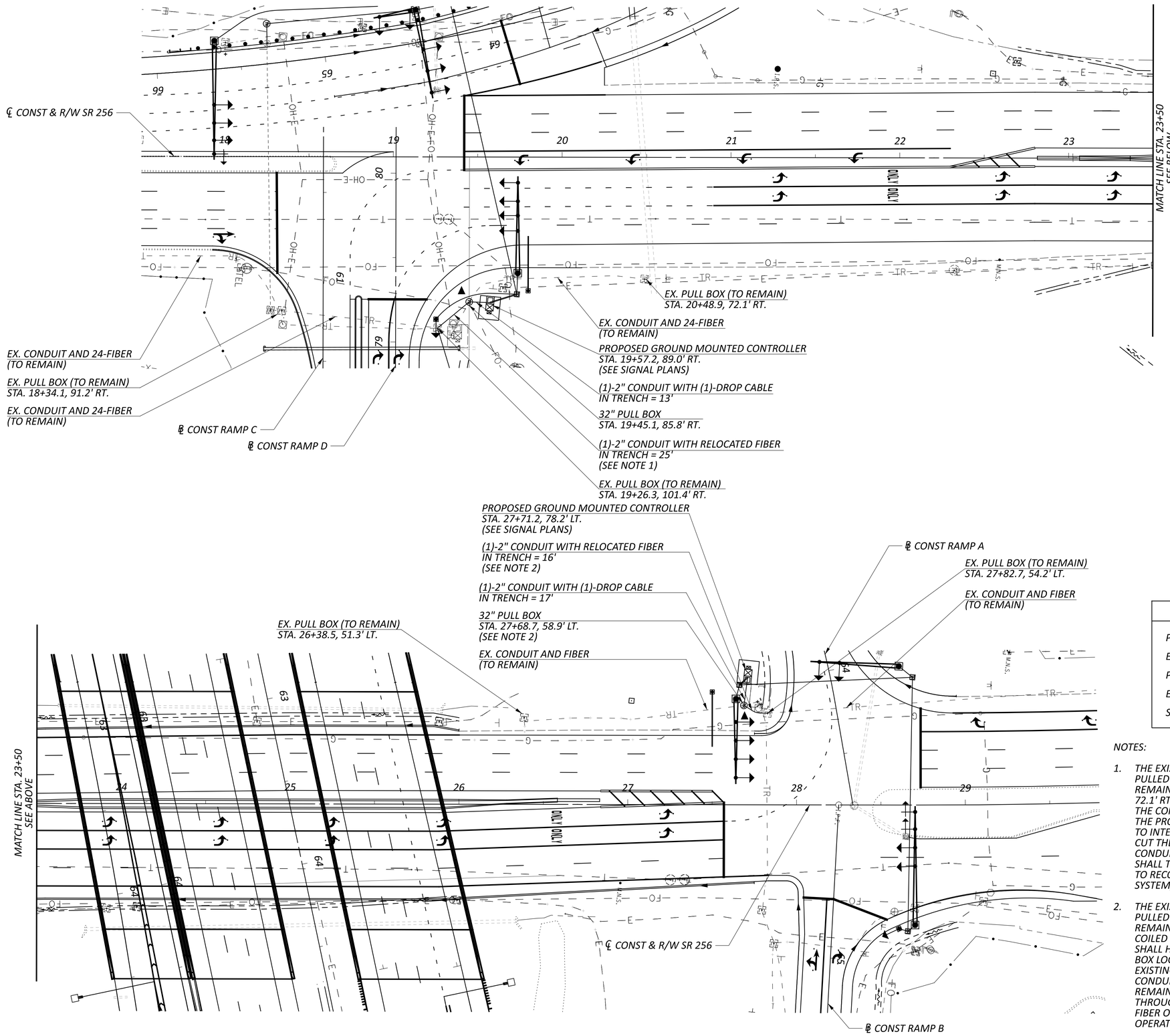

HORIZONTAL SCALE IN FEET
0 15 30 60

LEGEND	
PROPOSED INTERCONNECT	—TR—
EXISTING INTERCONNECT	– –TR– –
PROPOSED PULL BOX	ⓟ
EXISTING PULL BOX	
SPLICE ENCLOSURE	▲

NOTES:

1. THE EXISTING FIBER OPTIC CABLE SHALL BE CAREFULLY PULLED BACK BETWEEN THE EXISTING PULL BOXES TO REMAIN AT STA. 19+26.3, 101.4' RT. AND STA. 20+48.9, 72.1' RT. AND COILED SAFELY IN ONE OF THE PULL BOXES. THE CONTRACTOR SHALL HAND DIG AT THE LOCATION OF THE PROPOSED PULL BOX LOCATED AT STA. 19+45.1. 85.8' RT. TO INTERCEPT THE EXISTING CONDUIT. THE CONTRACTOR SHALL CUT THE EXISTING CONDUIT IN A MANNER TO PROTECT THE CONDUIT THAT IS TO REMAIN IN PLACE. THE EXISTING FIBER SHALL THEN BE PULLED THROUGH THE PROPOSED CONDUIT TO RECONNECT THE EXISTING FIBER OPTIC INTERCONNECT SYSTEM, AND RETURN IT TO A FULLY OPERATIONAL STATUS.

2. THE EXISTING FIBER OPTIC CABLE SHALL BE CAREFULLY PULLED BACK BETWEEN THE EXISTING PULL BOXES TO REMAIN AT STA. 26+38.5, 51.3' LT. AND STA. 27+82.7, 54.2' LT. COILED SAFELY IN ONE OF THE PULL BOXES. THE CONTRACTOR SHALL HAND DIG AT THE LOCATION OF THE PROPOSED PULL BOX LOCATED AT STA. 27+68.7. 58.9' LT. TO INTERCEPT THE EXISTING CONDUIT. THE CONTRACTOR SHALL CUT THE EXISTING CONDUIT IN A MANNER TO PROTECT THE CONDUIT THAT IS TO REMAIN IN PLACE. THE EXISTING FIBER SHALL THEN BE PULLED THROUGH THE PROPOSED CONDUIT TO RECONNECT THE EXISTING FIBER OPTIC INTERCONNECT SYSTEM, AND RETURN IT TO A FULLY OPERATIONAL STATUS.

INTERCONNECT PLAN - SR 256

DESIGN AGENCY
GPD GROUP
Copyright GPD Group

DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1234 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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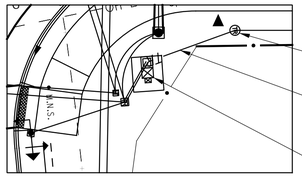
NOTE:
1. FOR INTERCONNECT LEGEND, SEE SHEET P.1234 .

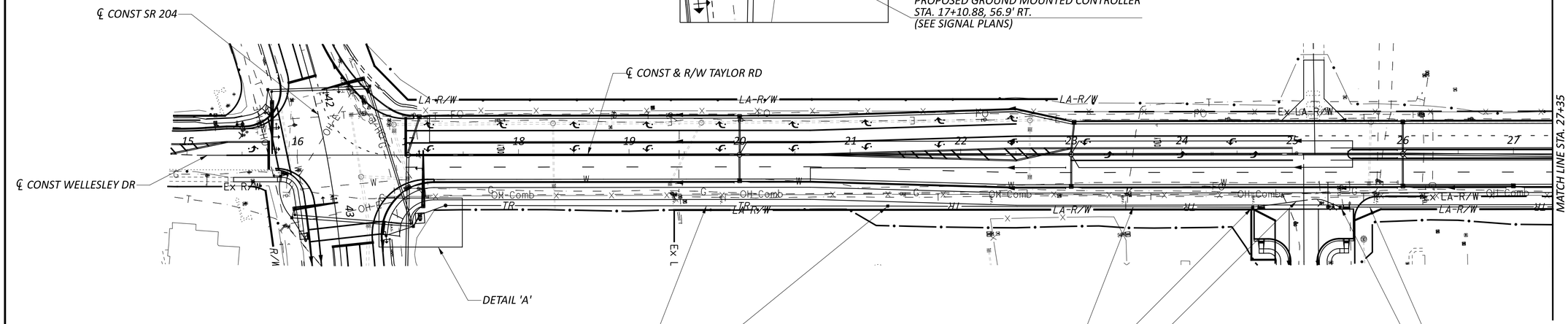
DETAIL 'A' - NOT TO SCALE



32" PULL BOX WITH SPLICE ENCLOSURE
STA. 17+04.86, 64.6' RT.

(1)-2" CONDUIT WITH (1)-DROP CABLE
IN TRENCH = 25'

PROPOSED GROUND MOUNTED CONTROLLER
STA. 17+10.88, 56.9' RT.
(SEE SIGNAL PLANS)



(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 400'

24" PULL BOX
STA. 21+34.0, 46.6' RT.

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 331'

24" PULL BOX
STA. 24+64.1, 48.0' RT.

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 82'

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 238'

24" PULL BOX
STA. 25+43.2, 48.0' RT.

(1)-4" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 130'

32" PULL BOX WITH SPLICE ENCLOSURE
STA. 35+60.8, 63.6' LT.
(SEE SIGNAL PLANS)

(1)-2" CONDUIT WITH (1)-DROP CABLE
IN SIGNAL CONDUIT = 21'

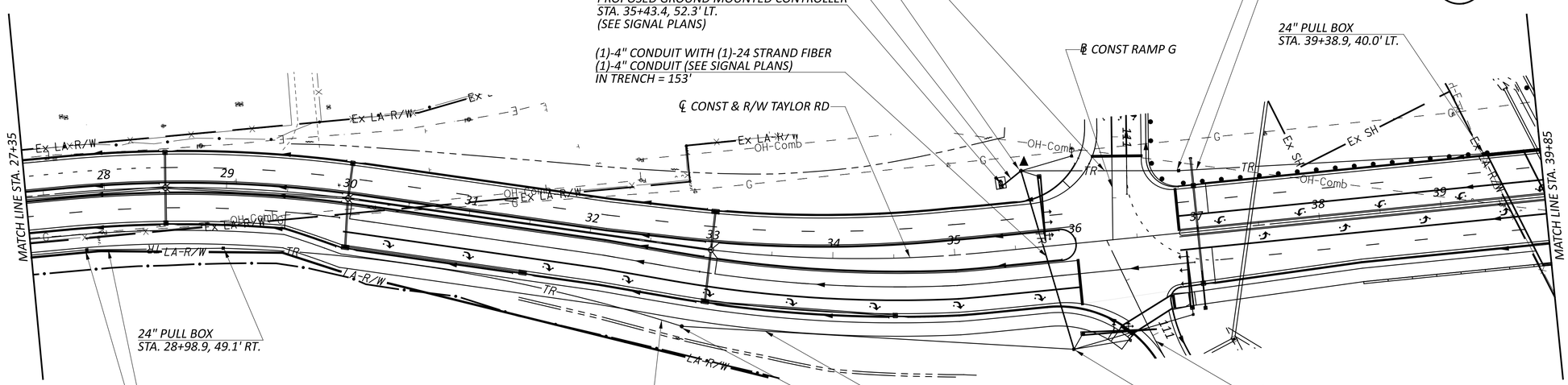
PROPOSED GROUND MOUNTED CONTROLLER
STA. 35+43.4, 52.3' LT.
(SEE SIGNAL PLANS)

(1)-4" CONDUIT WITH (1)-24 STRAND FIBER
(1)-4" CONDUIT (SEE SIGNAL PLANS)
IN TRENCH = 153'

24" PULL BOX
STA. 36+89.2, 51.0' LT.

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 250'

24" PULL BOX
STA. 39+38.9, 40.0' LT.



24" PULL BOX
STA. 28+98.9, 49.1' RT.

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 112'

24" PULL BOX
STA. 27+81.7, 47.9' RT.

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 383'

(1)-2" CONDUIT WITH (1)-24 STRAND FIBER
IN TRENCH = 322'

32" PULL BOX
ROUND WITH SLACK INSTALLATION
STA. 32+84.6, 65.1' RT.

24" PULL BOX
STA. 35+89.4, 86.1' RT.
(SEE SIGNAL PLANS)

HORIZONTAL
SCALE IN FEET
0 25 50 100

INTERCONNECT PLAN - TAYLOR ROAD
BEGIN TO STA. 39+85

DESIGN AGENCY
GPD GROUP
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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1235 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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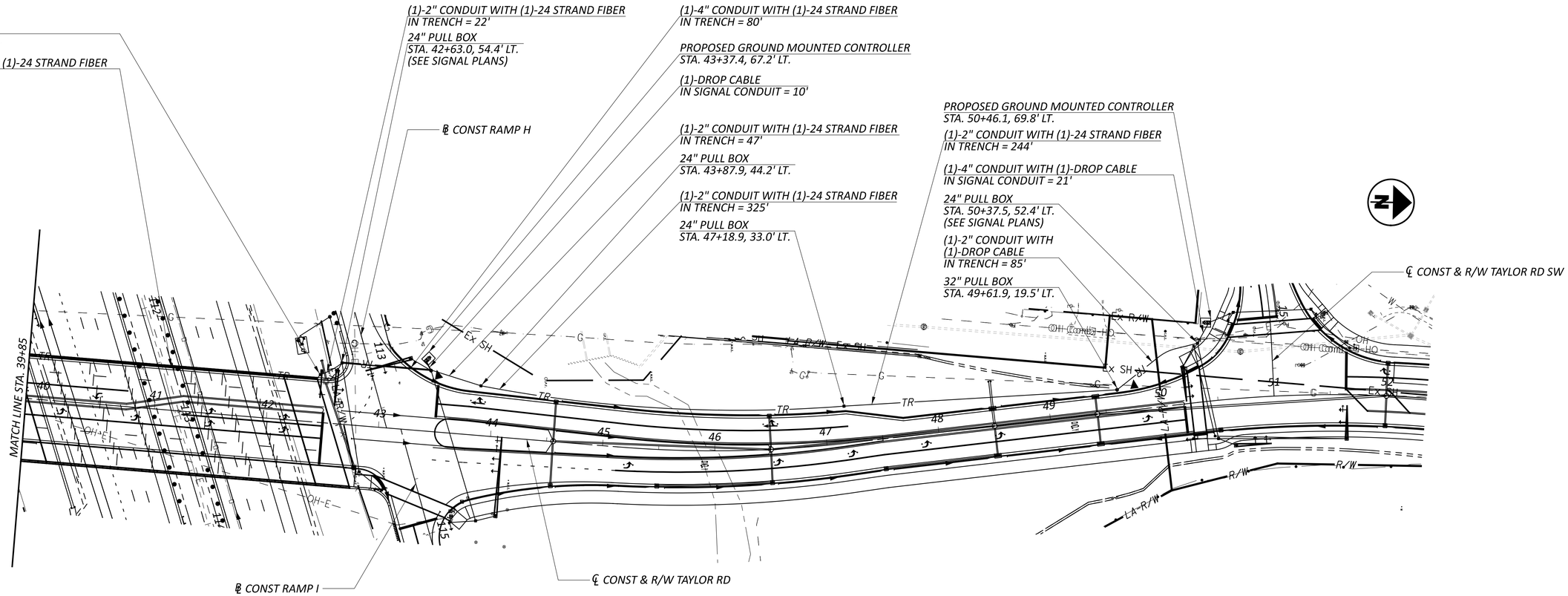
NOTE:
1. FOR INTERCONNECT LEGEND, SEE SHEET P.1234 .



HORIZONTAL SCALE IN FEET
0 25 50 100

INTERCONNECT PLAN - TAYLOR ROAD
STA. 39+85 TO END

DESIGN AGENCY
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DESIGNER	BCT
REVIEWER	KMG 04/04/25
PROJECT ID	96808
SHEET	P.1236
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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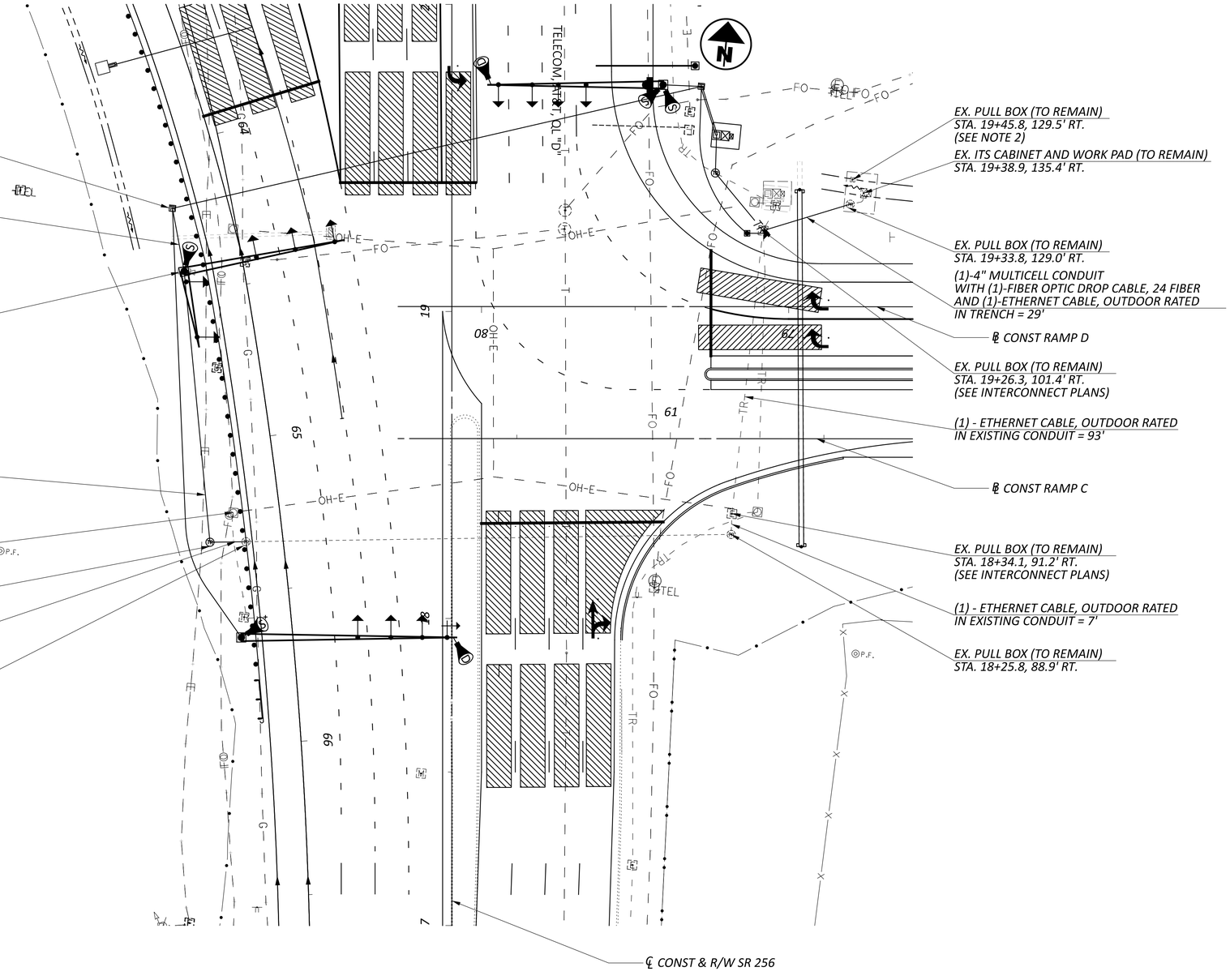
NOTES:

1. THE CONTRACTOR SHALL PERFORM A CONDUIT CLEANING AND CABLES REMOVED TASK AS DIRECTED. THE CONTRACTOR SHALL CONFIRM THAT THE CONDUIT IS SOUND AND WILL SUPPORT THE INSTALLATION OF THE NEW SIGNAL CABLES. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DEFICIENCIES FOUND WITHIN THE EXISTING CONDUIT RUNS. THE PROJECT ENGINEER WILL AUTHORIZE ANY REPAIRS, AS NECESSARY.

2. THE EXISTING WRONG WAY DETECTION SYSTEM IS TO BE INSTALLED WITH PID 117258 (ANTICIPATED CONSTRUCTION DECEMBER 2025). IF THE WRONG WAY DETECTION SYSTEM IS POWERED FROM THE SIGNAL CABINET, THEN THE CONTRACTOR SHALL COORDINATE TO PROVIDE POWER FROM THE PROPOSED SIGNAL CABINET LOCATION.



HORIZONTAL SCALE IN FEET
0 10 20 40

ITS PLAN - WRONG WAY DETECTION SYSTEM
SR 256 / IR 70 EB RAMPS

DESIGN AGENCY
GPD GROUP
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DESIGNER BCT
REVIEWER KMG 04/04/25
PROJECT ID 96808
SHEET P.1237 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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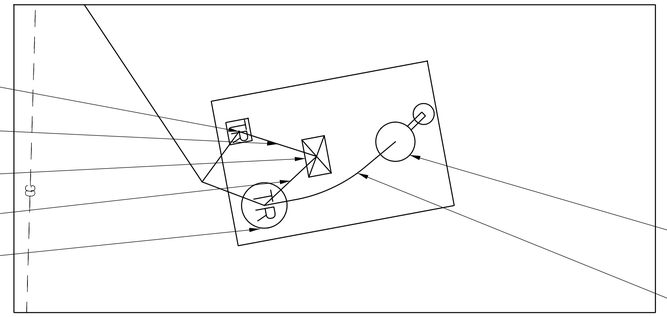
DETAIL 'A' - NOT TO SCALE



ELECTRICAL PULL BOX, 18"
STA. 42+27.4, 73.2' LT.

(1)-2" CONDUIT WITH
(1)-3/C NO. 6 POWER CABLE
IN TRENCH = 6'

GROUND MOUNTED CABINET
STA. 42+26.1, 68.0' LT.

(4)-2" CONDUITS (PER ITS-10.11)
IN TRENCH = 5'

32" PULL BOX
STA. 42+22.7, 71.2' LT.

CCTV CONCRETE POLE, 70"
WITH CCTV CAMERA AND LOWERING UNIT
STA. 42+27.4, 62.9' LT.

(2)-3" CONDUITS (PER ITS-10.11)
IN TRENCH = 10'

PULL BOX, 32"
STA. 43+42.6, 54.0' LT.
(SEE SIGNAL PLANS)

GROUND MOUNTED CONTROLLER
STA. 43+39.3, 64.3' LT.
(SEE SIGNAL PLANS)

(1)-2" CONDUIT WITH (1)-3/C NO. 6 POWER CABLE
IN TRENCH = 22'

(1)-4" CONDUIT WITH (1)-3/C NO. 6 POWER CABLE
(2)-4" CONDUITS (SEE SIGNAL PLANS)
(1)-4" CONDUIT (SEE INTERCONNECT PLANS)
IN TRENCH = 68'
(SEE SIGNAL PLANS)

℄ CONST RAMP H

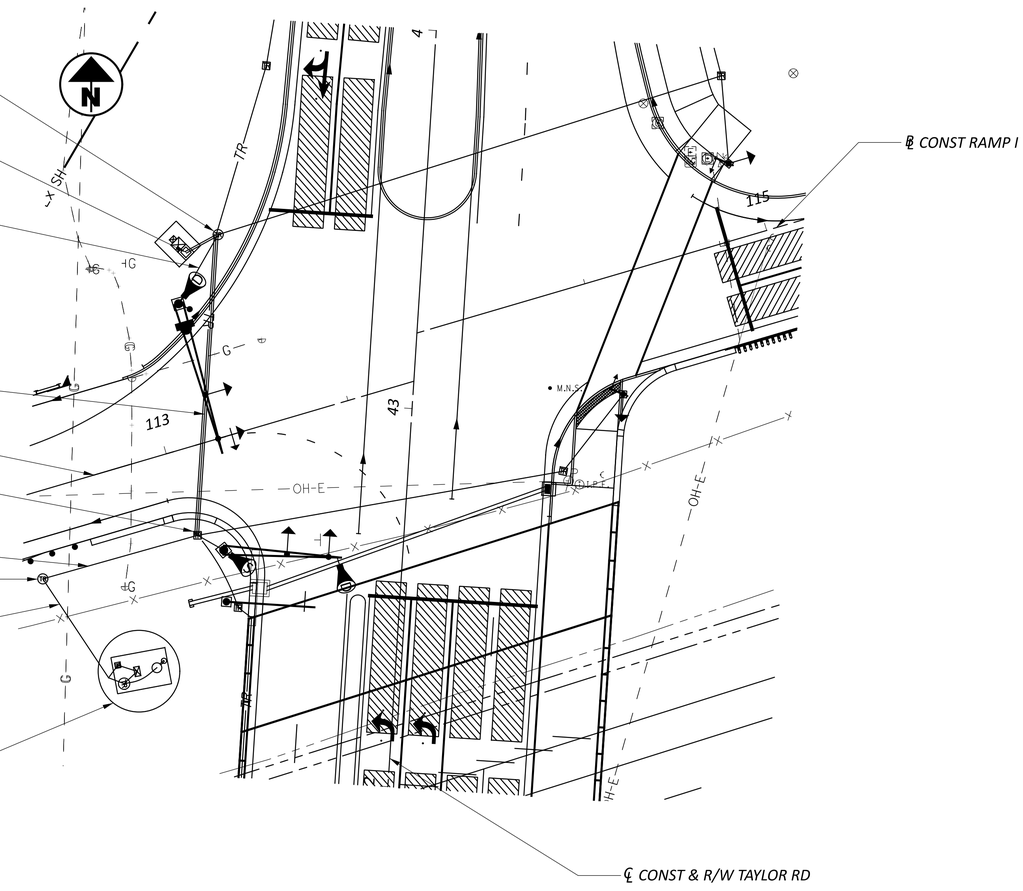
PULL BOX, 24"
STA. 42+63.0, 54.4' LT.
(SEE SIGNAL PLANS)

(1)-2" CONDUIT WITH (1)-3/C NO. 6 POWER CABLE
IN TRENCH = 43'

PULL BOX, 32"
STA. 42+48.9, 94.4' LT.

(1)-2" CONDUIT WITH (1)-3/C NO. 6 POWER CABLE
(1)-2" CONDUIT WITH 4 CELL MICRO-DUCT PATHWAY
IN TRENCH = 37'

SEE DETAIL 'A'



HORIZONTAL
SCALE IN FEET
0 10 20 40

ITS PLAN - CCTV DETAILS
TAYLOR ROAD / IR 70 WB RAMPS

DESIGN AGENCY
GPD GROUP
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DESIGNER
BCT

REVIEWER
KMG 04/04/25

PROJECT ID
96808

SHEET P.1238 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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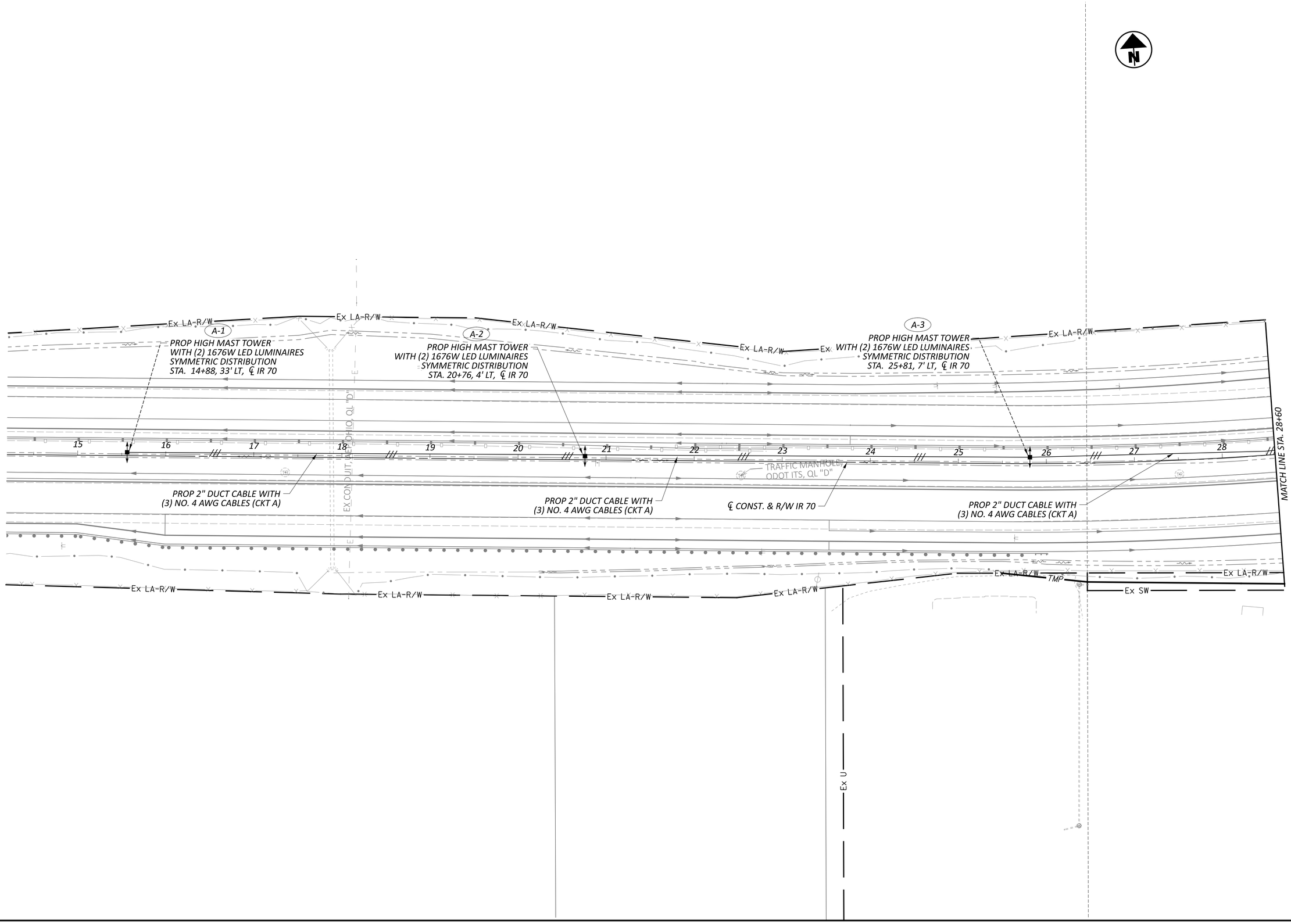

HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - IR 70
STA 14+00 TO STA 28+60

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CDP

REVIEWER
EMS 04/25/25

PROJECT ID
96808

SHEET P.1239 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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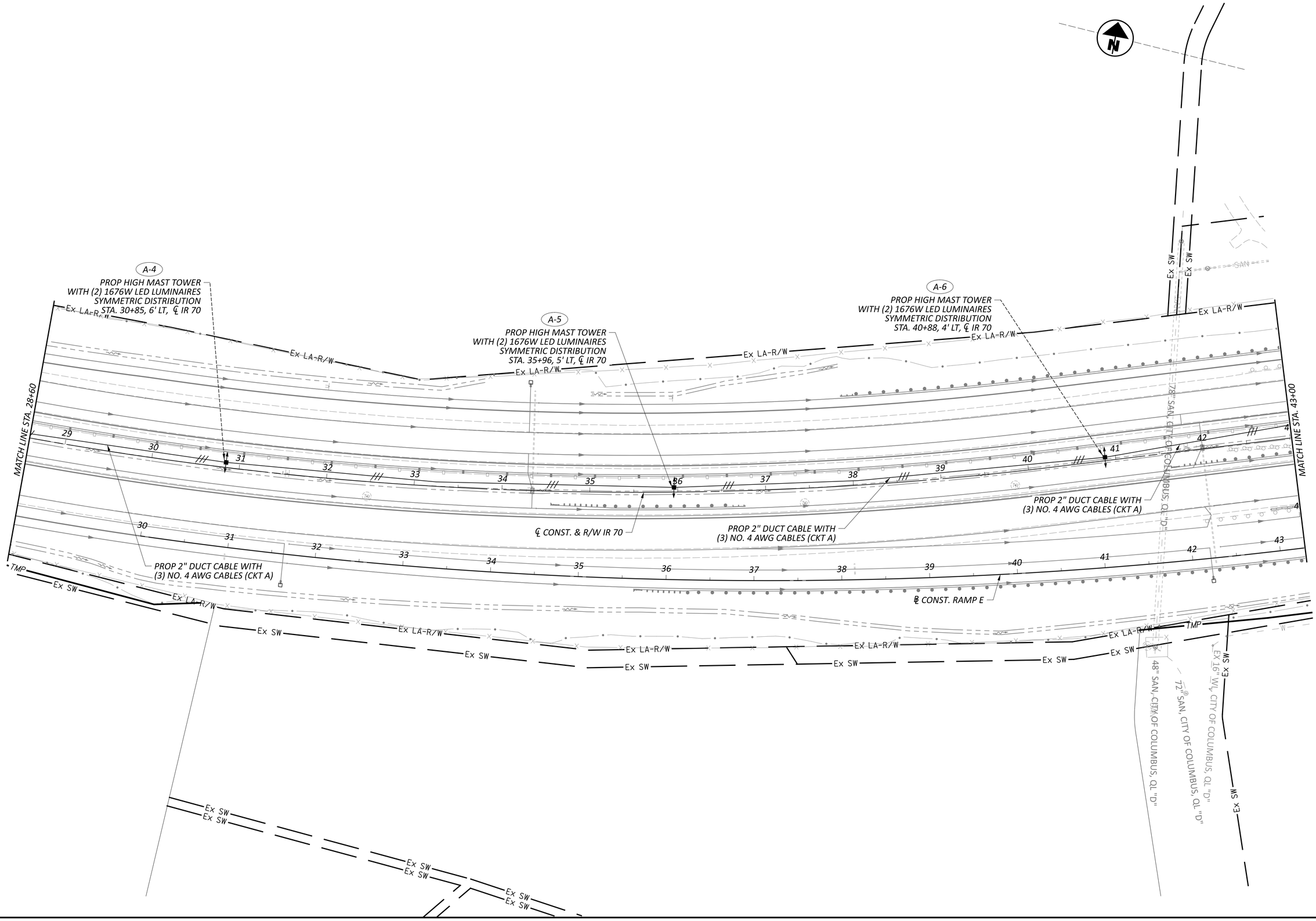

HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - IR 70
STA 28+60 TO STA 43+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CDP
REVIEWER	EMS 04/25/25
PROJECT ID	96808
SHEET	P.1240
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - IR 70
STA 43+00 TO STA 57+40

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CDP

REVIEWER
EMS 04/25/25

PROJECT ID
96808

SHEET P.1241 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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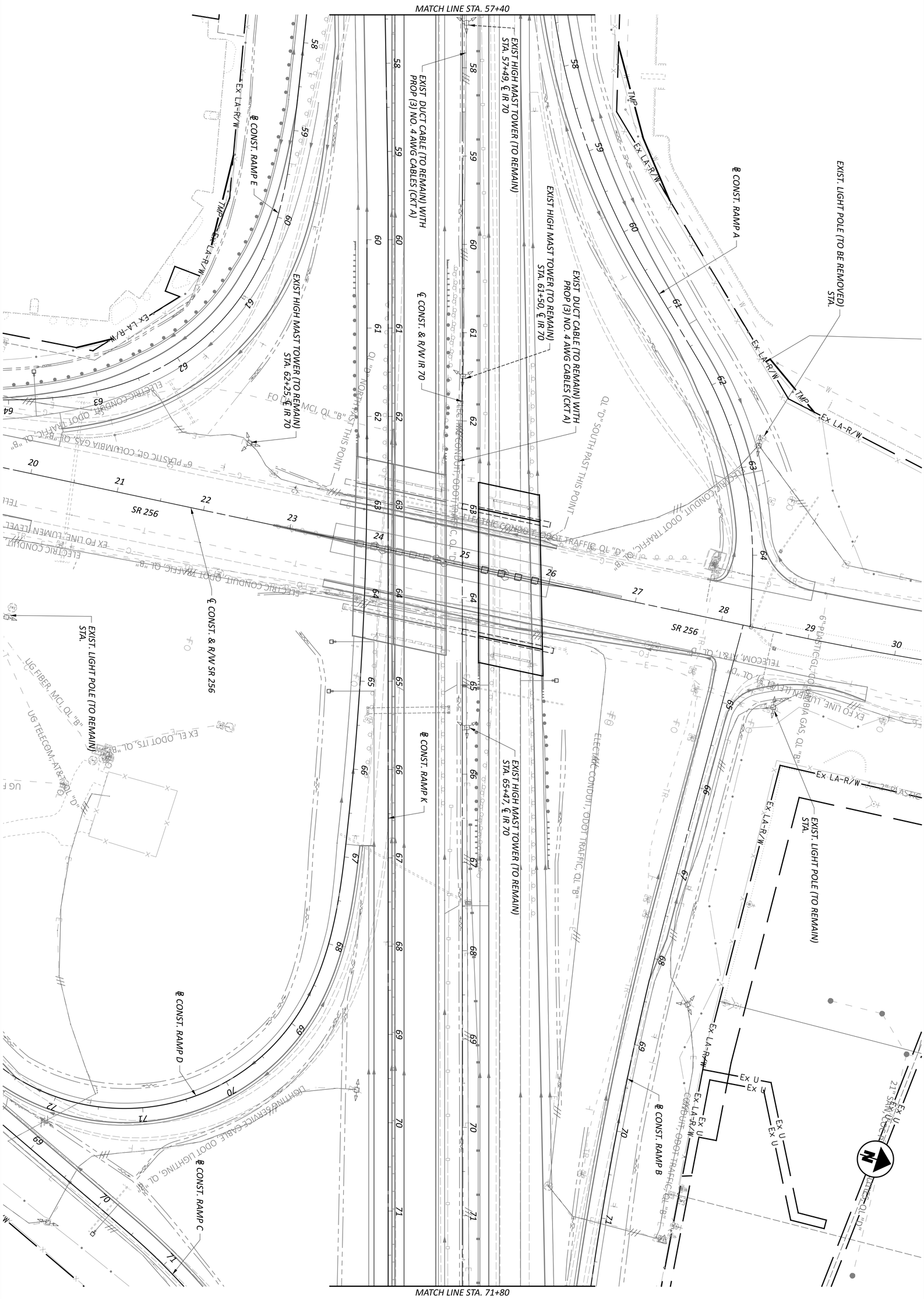
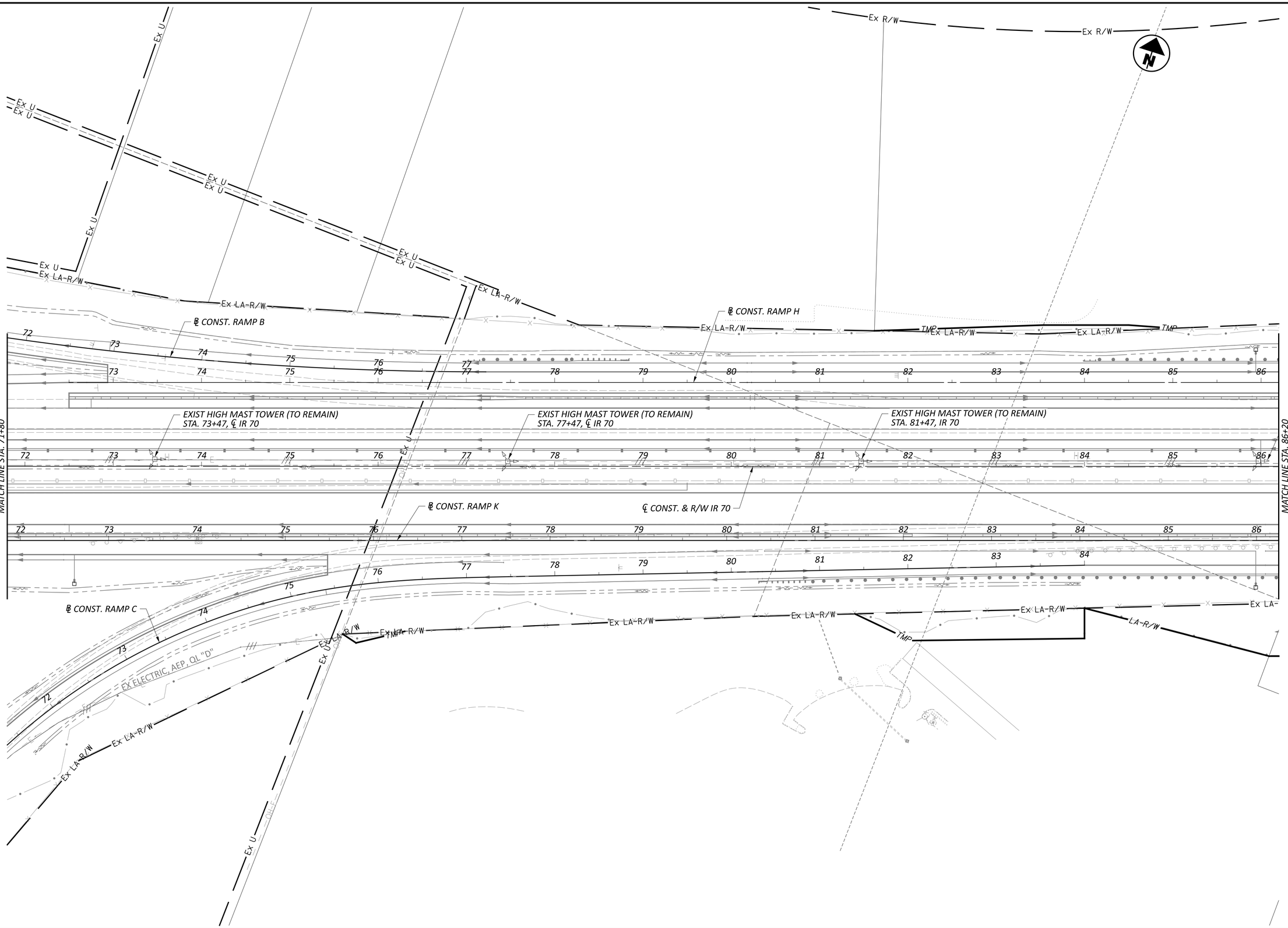


SHEET P.1242	TOTAL P.1556	PROJECT ID 96808	REVIEWER EMS 04/25/25	DESIGNER CDP	DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

LIGHTING PLAN - IR 70
STA 57+40 TO STA 71+80

HORIZONTAL SCALE IN FEET
0 25 50 100


Ex R/W
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Ex LA-R/W
℄ CONST. RAMP B
℄ CONST. RAMP H
Ex LA-R/W
TMP
Ex LA-R/W
Ex LA-R/W
TMP
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86
EXIST HIGH MAST TOWER (TO REMAIN)
STA. 73+47, ℄ IR 70
EXIST HIGH MAST TOWER (TO REMAIN)
STA. 77+47, ℄ IR 70
EXIST HIGH MAST TOWER (TO REMAIN)
STA. 81+47, IR 70
MATCH LINE STA. 71+80
MATCH LINE STA. 86+20
℄ CONST. RAMP K
℄ CONST. & R/W IR 70
℄ CONST. RAMP C
EX ELECTRIC, AEP, QL "D"
Ex LA-R/W
Ex LA-R/W
Ex LA-R/W
Ex LA-R/W
TMP
Ex LA-R/W
Ex LA-R/W
Ex LA-
TMP
Ex U
Ex U
Ex U
Ex U
Ex U
Ex U
Ex U
Ex U
Ex U
Ex U

Ex R/W

Ex LA-R/W

℄ CONST. RAMP H

87 88 89 90 91 92 93 94 95 96 97 98 99 100

EXIST HIGH MAST TOWER (TO REMAIN)
STA. 85+97, ℄ IR 70

EXIST HIGH MAST TOWER (TO REMAIN)
STA. 90+47, ℄ IR 70

EXIST HIGH MAST TOWER (TO REMAIN)
STA. 94+97, ℄ IR 70

EXIST HIGH MAST TOWER (TO REMAIN)
STA. 99+22, ℄ IR 70

MATCH LINE STA. 86+20

MATCH LINE STA. 100+60

℄ CONST. & R/W IR 70

℄ CONST. RAMP K

℄ CONST. RAMP K

℄ CONST. RAMP G

LA-R/W

HORIZONTAL
SCALE IN FEET
0 25 50 100

LIGHTING PLAN - IR 70
STA 86+20 TO STA 100+60

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CDP
REVIEWER	EMS 04/25/25
PROJECT ID	96808
SHEET	P.1244
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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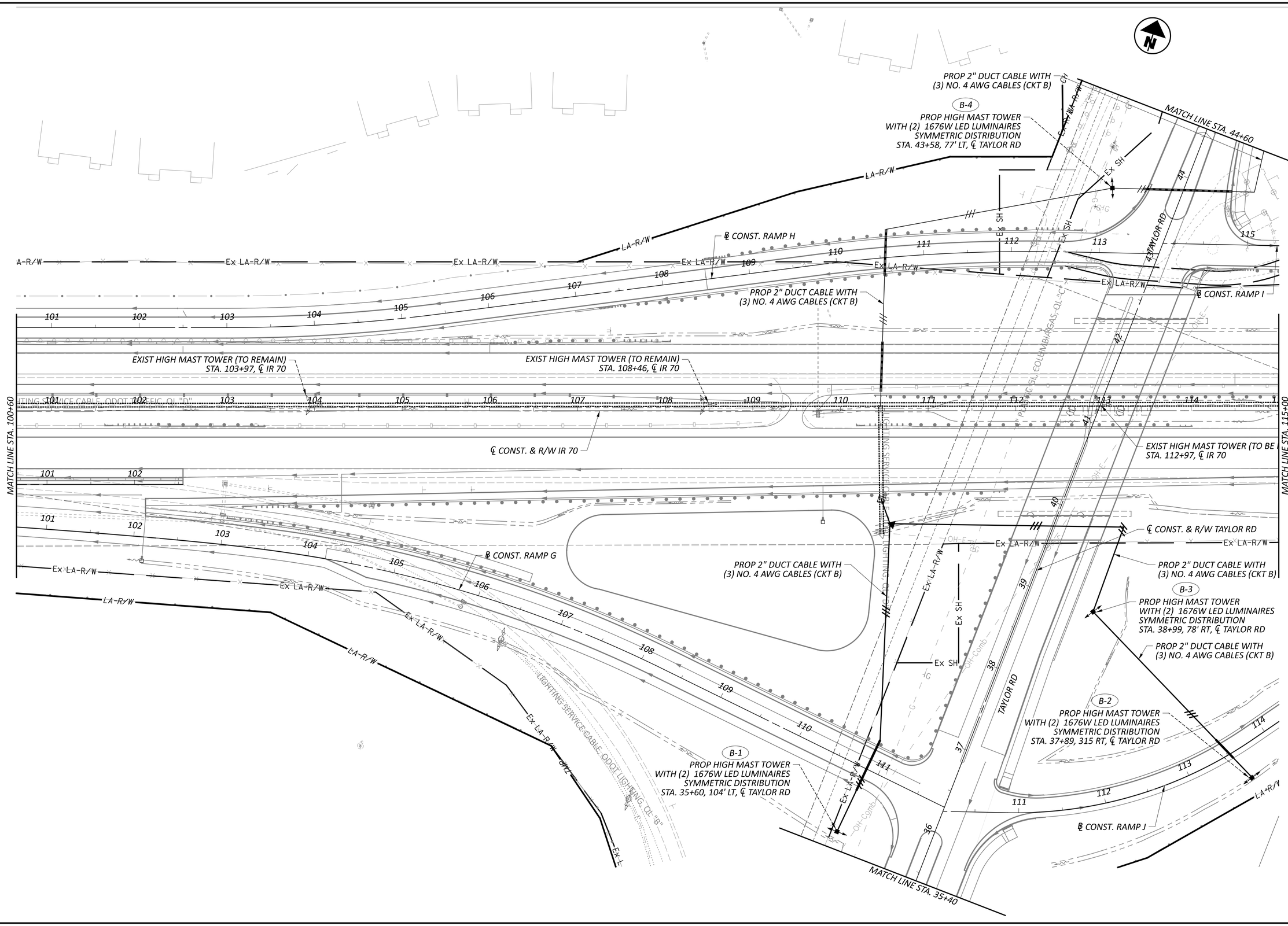

HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - IR 70
STA 100+60 TO STA 115+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CDP

REVIEWER
EMS 04/25/25

PROJECT ID
96808

SHEET P.1245 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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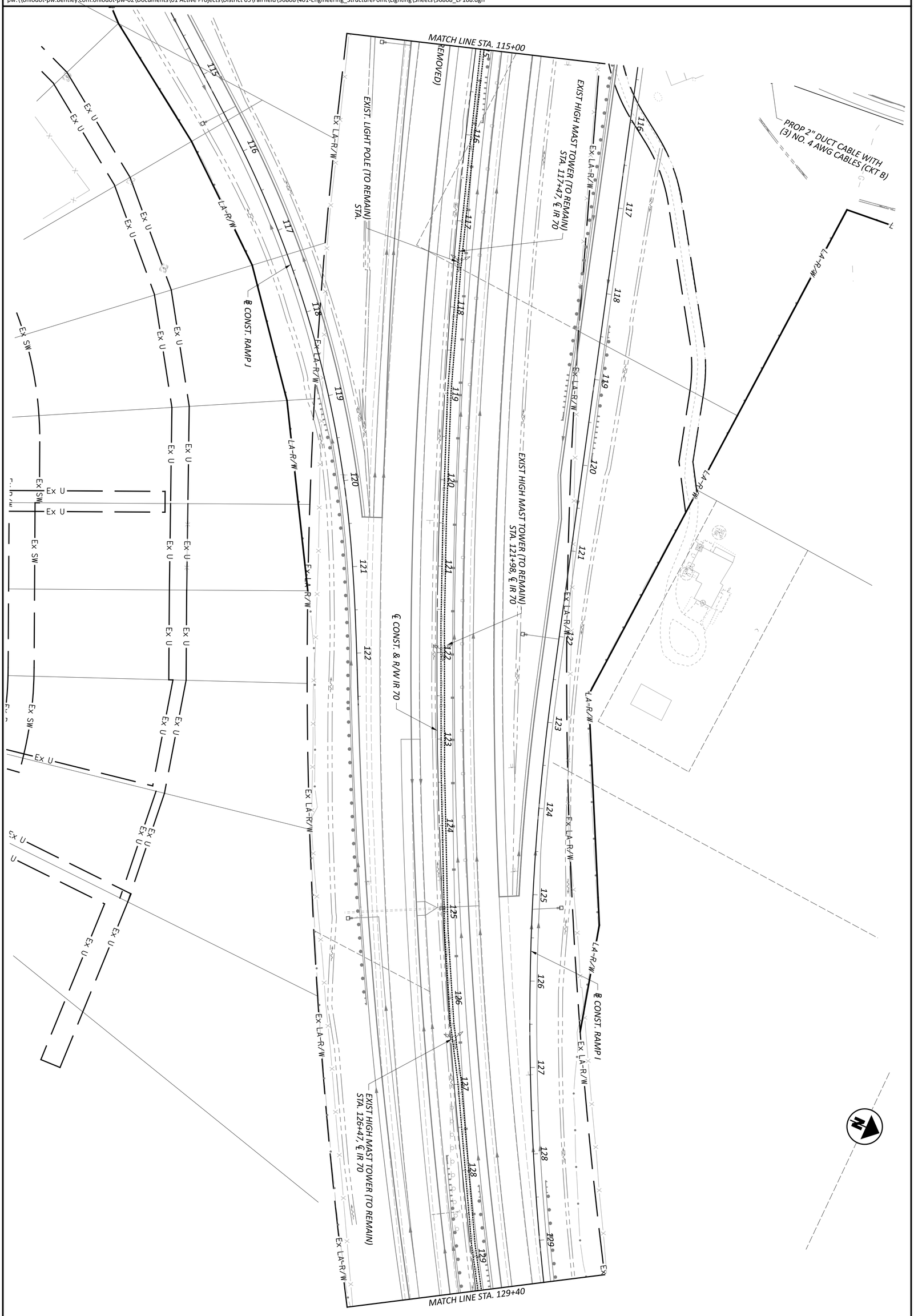

SHEET P.1246 | TOTAL P.1556	PROJECT ID 96808	REVIEWER EMS 04/25/25	DESIGNER CDP	AMERICAN STRUCTUREPOINT INC.	DESIGN AGENCY

LIGHTING PLAN - IR 70
STA 115+00 TO STA 129+40

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: 96808_LP109 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:21:32 AM USER: brieder
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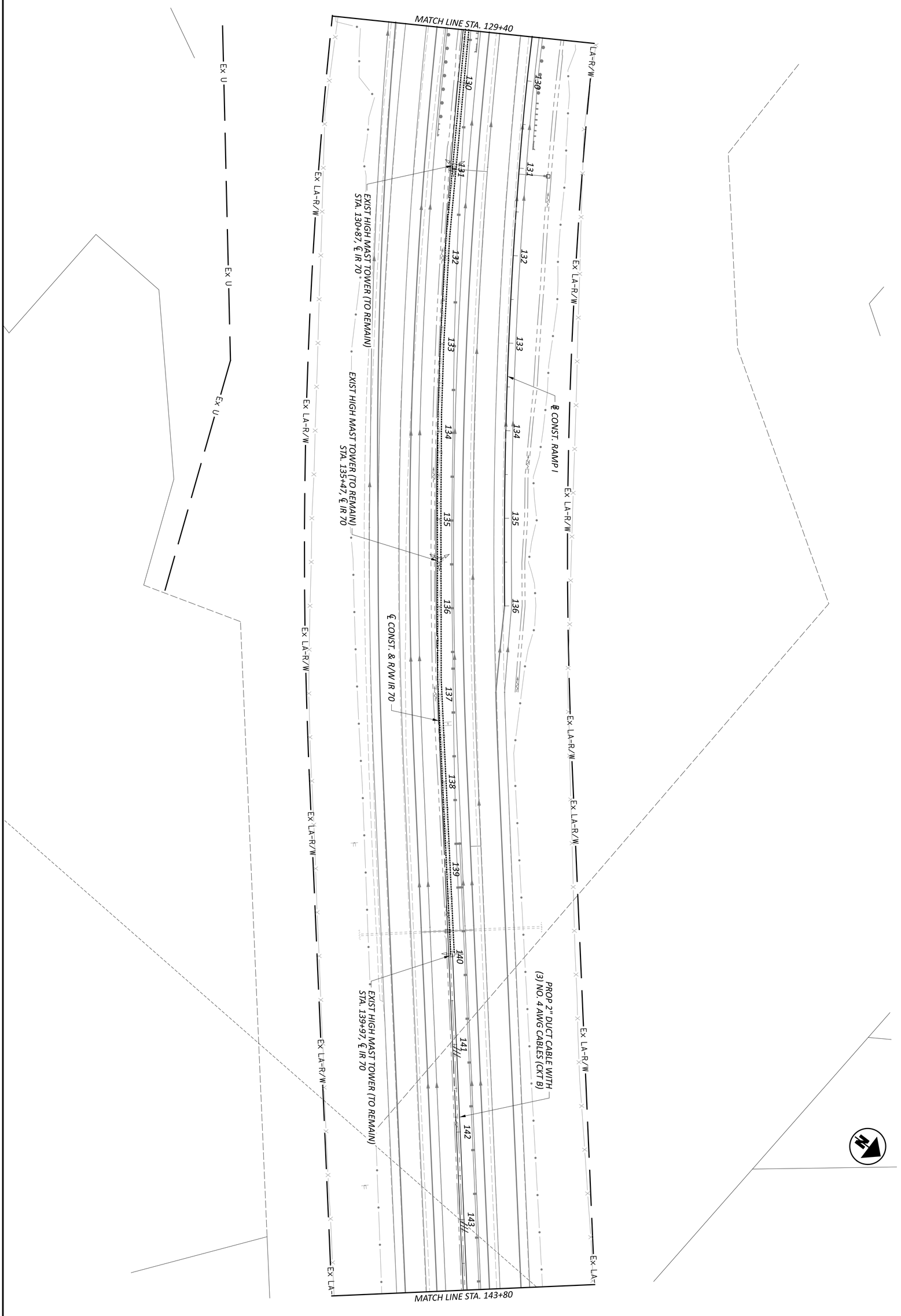
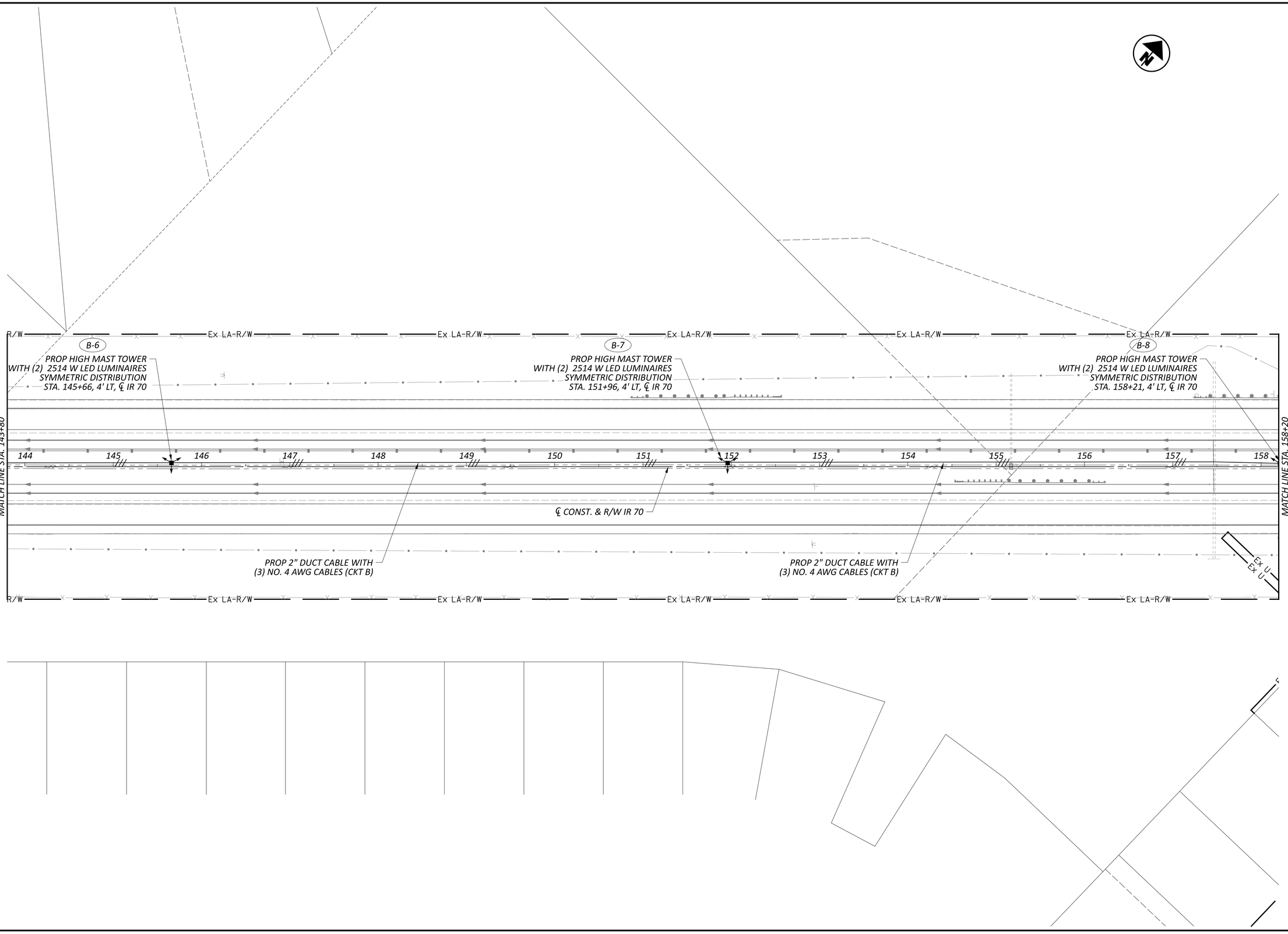


LIGHTING PLAN - IR 70
STA 119+40 TO STA 143+80

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.1247	P.1556

PROJECT ID: 96808
REVIEWER: EMS 04/25/25
DESIGNER: CDP
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.



HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - IR 70
STA 143+80 TO STA 158+20

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CDP

REVIEWER
EMS 04/25/25

PROJECT ID
96808

SHEET P.1248 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: 96808_LP110 PAPERSIZE: 34x22 (in.) DATE: 5/3/2025 TIME: 7:21:47 AM USER: brieder
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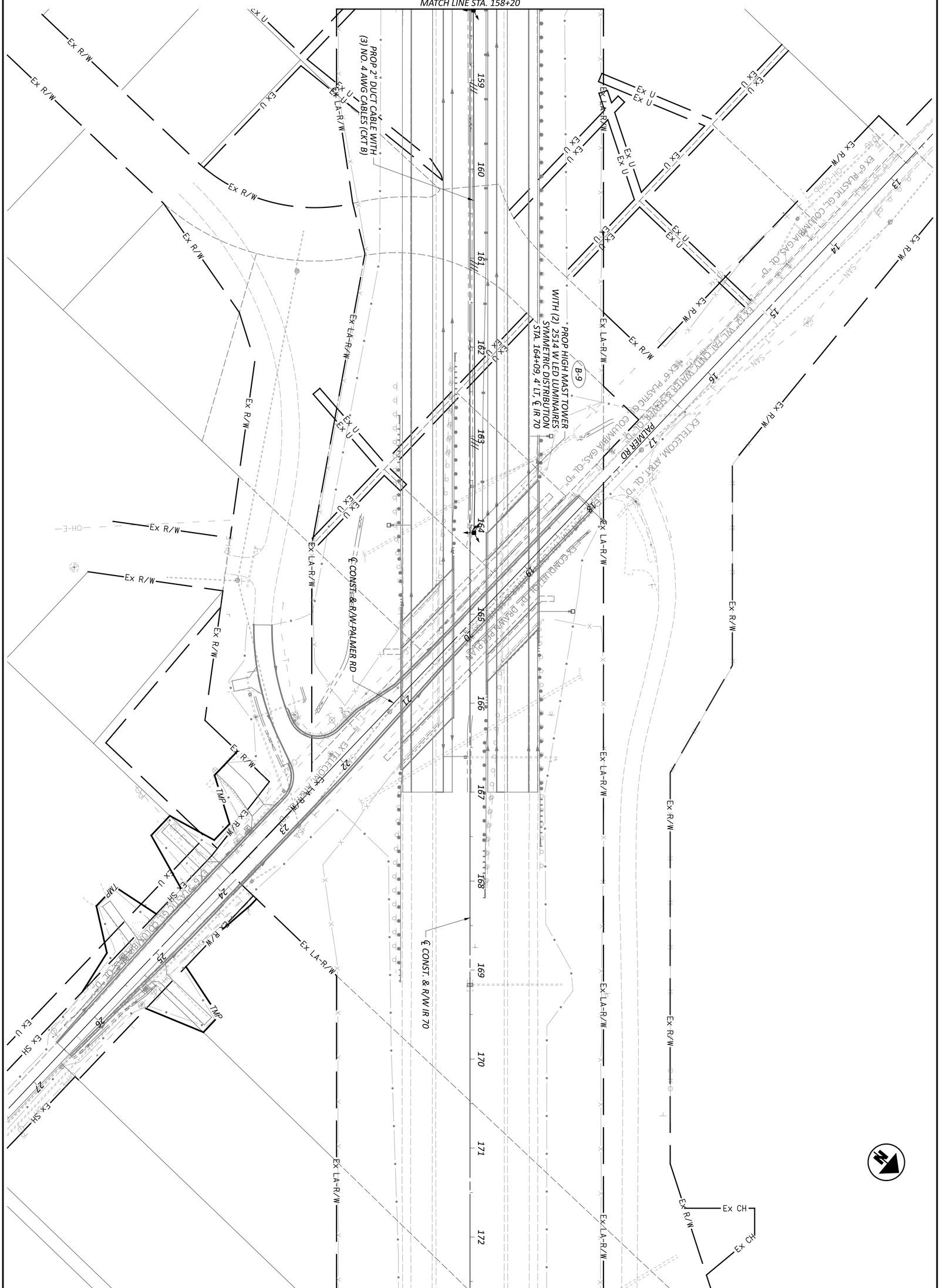
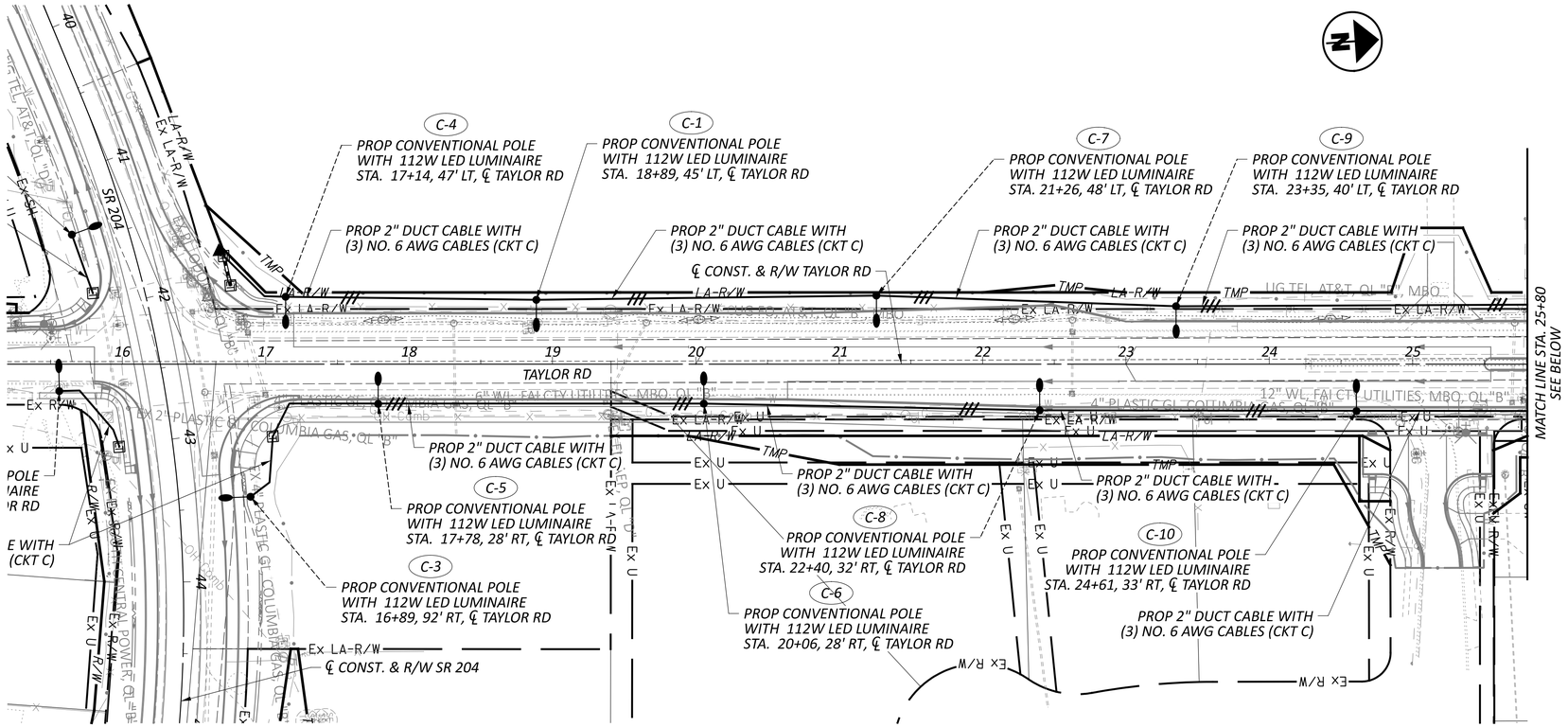
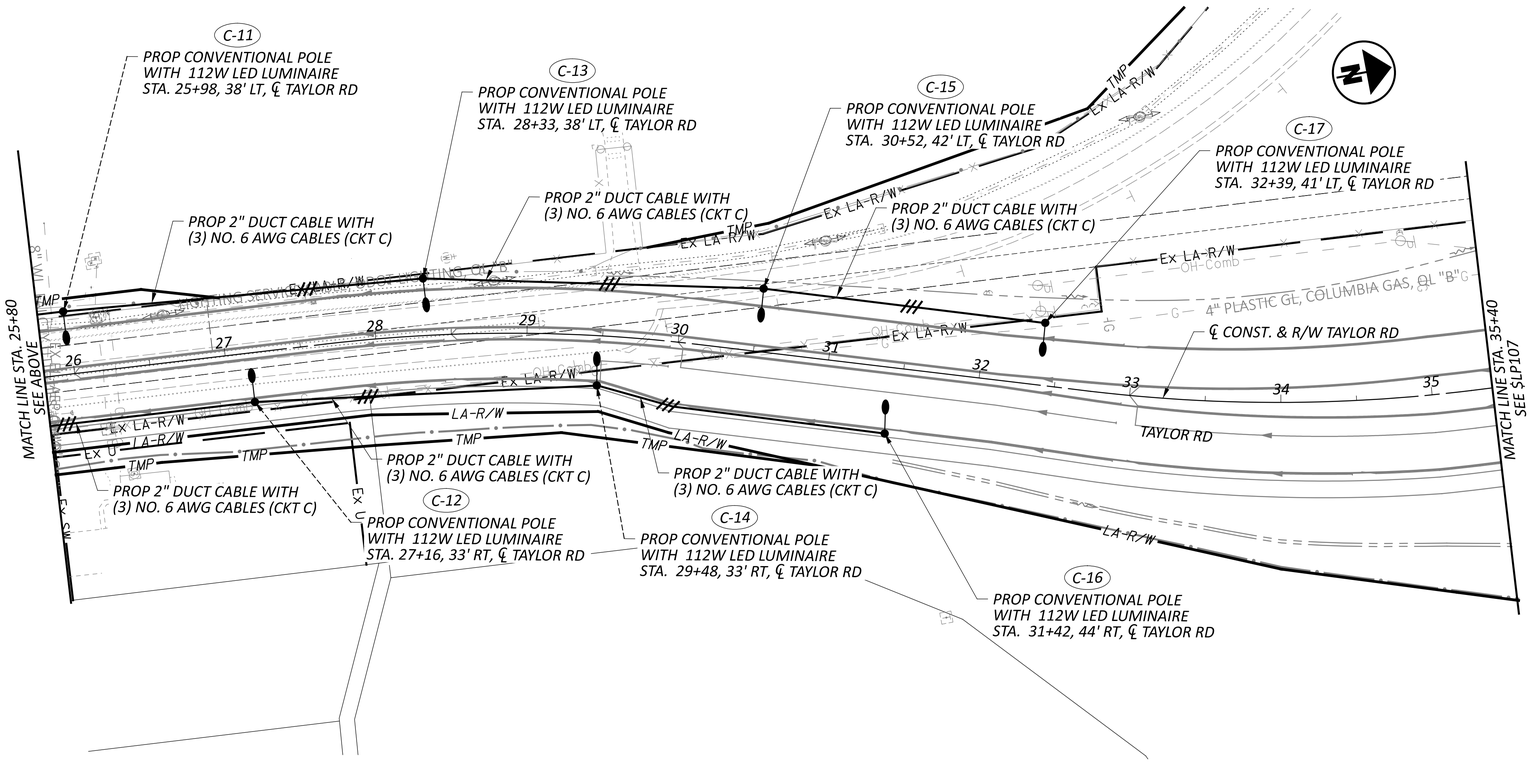


SHEET P.1249 | P.1556 TOTAL	PROJECT ID 96808	REVIEWER EMS 04/25/25	DESIGNER CDP	AMERICAN STRUCTUREPOINT INC. DESIGN AGENCY	LIGHTING PLAN - IR 70 STA 158+20 TO 167+00

HORIZONTAL SCALE IN FEET
0 50
25 100





HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - TAYLOR RD STA 15+00 TO STA 35+40

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CDP
REVIEWER	EMS 04/25/25
PROJECT ID	96808
SHEET	P.1250
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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FAI/LIC-IR 70-0.00/0.00

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HORIZONTAL SCALE IN FEET
0 25 50 100

LIGHTING PLAN - TAYLOR RD
STA 44+60 TO STA 59+00

MATCH LINE STA. 44+60
SEE SHEET SLP107

TAYLOR RD

TAYLOR RD SW

X-1
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-2
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-3
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-4
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-5
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-6
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-7
PROP DECORATIVE POLE
WITH 61W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-8
PROP DECORATIVE POLE
WITH 112W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-9
PROP DECORATIVE POLE
WITH 112W LED LUMINAIRE
STA. ℄ TAYLOR RD

X-10
PROP DECORATIVE POLE
WITH 112W LED LUMINAIRE
STA. ℄ TAYLOR RD

B-5
PROP HIGH MAST TOWER
WITH (2) 1676W LED LUMINAIRES
SYMMETRIC DISTRIBUTION
STA. 47+73, 55' RT, ℄ TAYLOR RD

PROP 2" DUCT CABLE WITH
(3) NO. 6 AWG CABLES (CKT X)

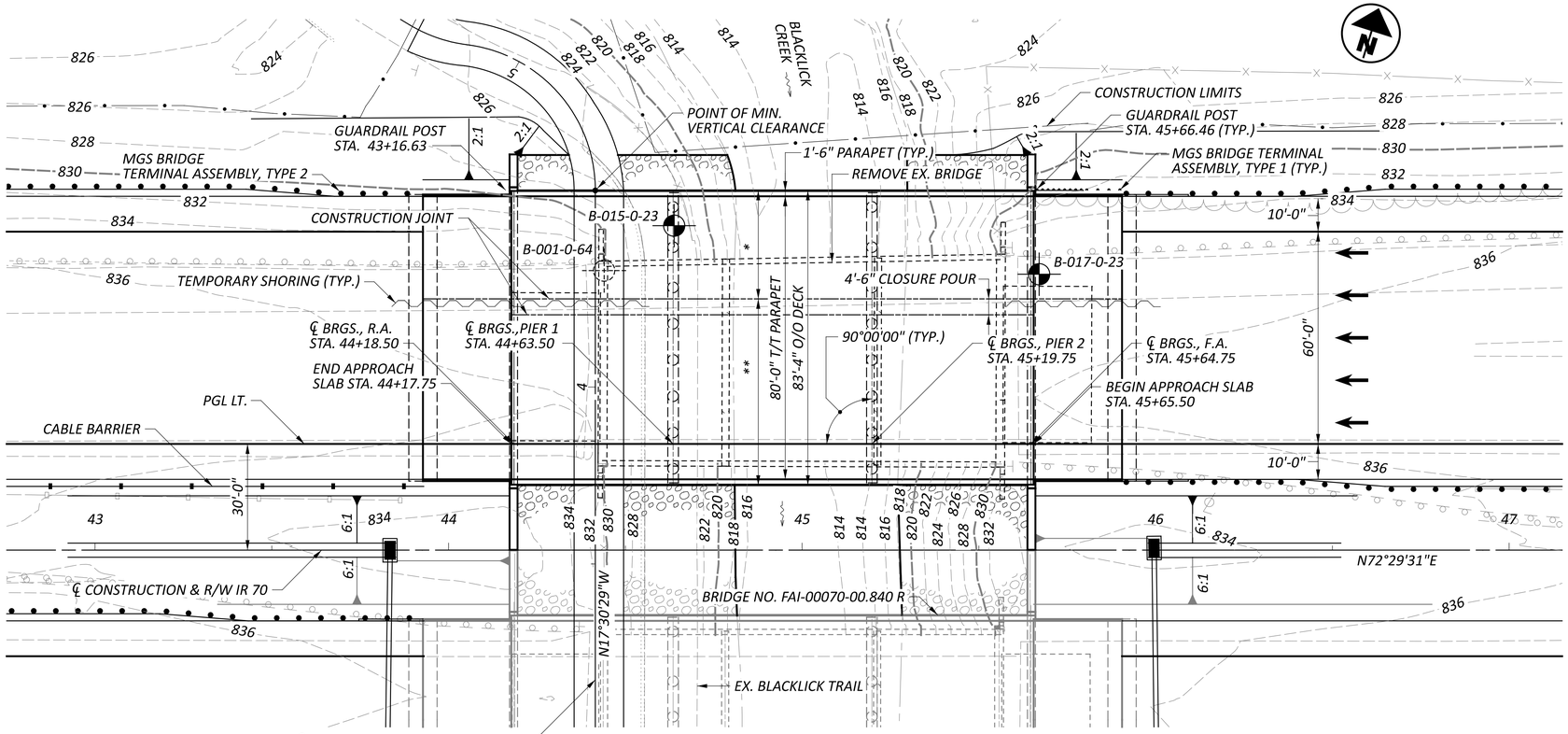
PROP 2" DUCT CABLE WITH
(3) NO. 4 AWG CABLES (CKT B)

STA 0+00.00
OFF 0.00' RT

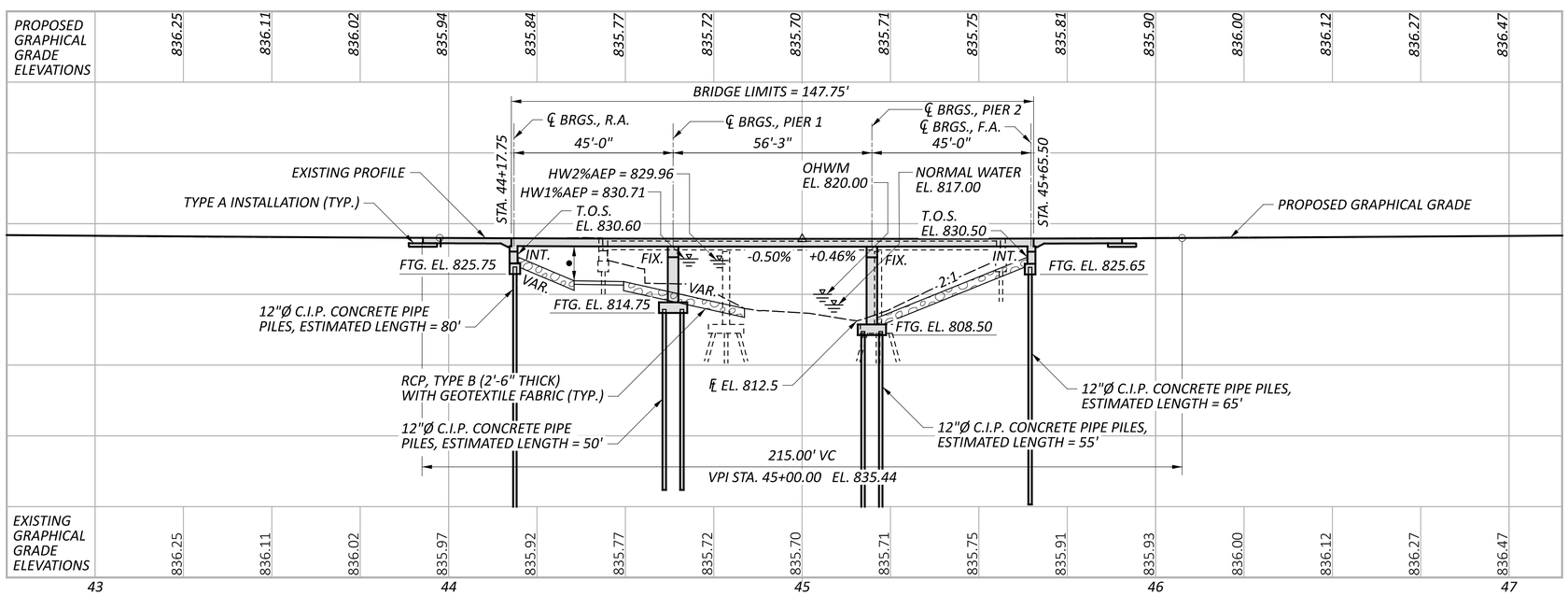
℄ CONST. TAYLOR RD SW

℄ CONST. & R/W

EX WL CITY OF COLUMBUS
EX WL SOUTHWEST REGIONAL WATER AND SEWER, QL "B"
EX TELECOM MH T.O. "B"
EX 8" WL CITY OF COLUMBUS
EX 8" WL SOUTHWEST REGIONAL WATER AND SEWER, QL "B"
EX 12" WL SOUTHWEST REGIONAL WATER AND SEWER, QL "B"
EX 2" NG MAINLINE, KNOXVILLE ENERGY COOP, QL "B"
EX TELECOM MH T.O. "B"
EX TELECOM MH T.O. "B"
EX TELECOM MH T.O.



PLAN



PROFILE - ALONG PGL LT.

CONTROL POINT DATA

CP 2007 STA.	29+06.08	ELEV.	861.79	OFFSET	109.12'	RT.
CP 2008 STA.	35+84.10	ELEV.	851.61	OFFSET	113.98'	RT.
CP 2009 STA.	76+56.01	ELEV.	890.18	OFFSET	141.75'	LT.

FOR ADDITIONAL CONTROL POINT INFORMATION SEE ROADWAY PLAN SHEET P.0020 / P.1556.

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2030 ADT = 56680 2030 ADTT = 6802
2050 ADT = 76150 2050 ADTT = 9138
DIRECTIONAL DISTRIBUTION = 50%

LEGEND

- 9'-0" PREFERRED MINIMUM VERTICAL CLEARANCE
  9'-0" ACTUAL MINIMUM VERTICAL CLEARANCE
- PROJECT BORING LOCATION
- HISTORIC BORING LOCATION

* - PHASE 4A CONSTRUCTION = 30'-8"
** - PHASE 4B CONSTRUCTION = 52'-8"

HYDRAULIC DATA

DRAINAGE AREA = 42.27 SQ. MILES
Q (2% AEP) = 8,696 CFS (FIS) V (2% AEP) = 8.18 FT/S
Q (1% AEP) = 10,000 CFS (FIS) V (1% AEP) = 8.84 FT/S
STRUCTURE CLEARS THE 2% AEP DESIGN HW BY 2.80 FEET.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
SPANS: 34'-6"±, 43'-0"±, 34'-6"± (C/C BEARINGS)
ROADWAY: VARIABLE TOE/TOE PARAPET
LOADING: CF 2000 (57)
SKEW: NONE
WEARING SURFACE: 1¾"± SDC OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: TANGENT
CROWN: 0.016± FT/FT
STRUCTURE FILE NUMBER: 2301563
DATE BUILT: 1967 REHABILITATED: 1989
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: 3 SPAN CONTINUOUS REINFORCED CONCRETE SLAB SUPPORTED ON REINFORCED CONCRETE ABUTMENTS AND CAP AND COLUMN PIERS
SPANS: 45'-0", 56'-3", 45'-0" (C/C BEARINGS)
ROADWAY: 80'-0" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL-93
FUTURE WEARING SURFACE: 0.06 KSF
SKEW: NONE
APPROACH SLABS: 25'-0" LONG, 15" THICK (AS-1-15, AS-2-15 TYPE A)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 12,313 SF
COORDINATES: LATITUDE 39°55'55.80"N
LONGITUDE 82°47'45.6"W

HORIZONTAL SCALE IN FEET
0 10 20 40

SITE PLAN
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER BWR | CHECKER AMR
REVIEWER GDJ 4-20-25
PROJECT ID 96808
SUBSET 1 | TOTAL 28
SHEET P.1252 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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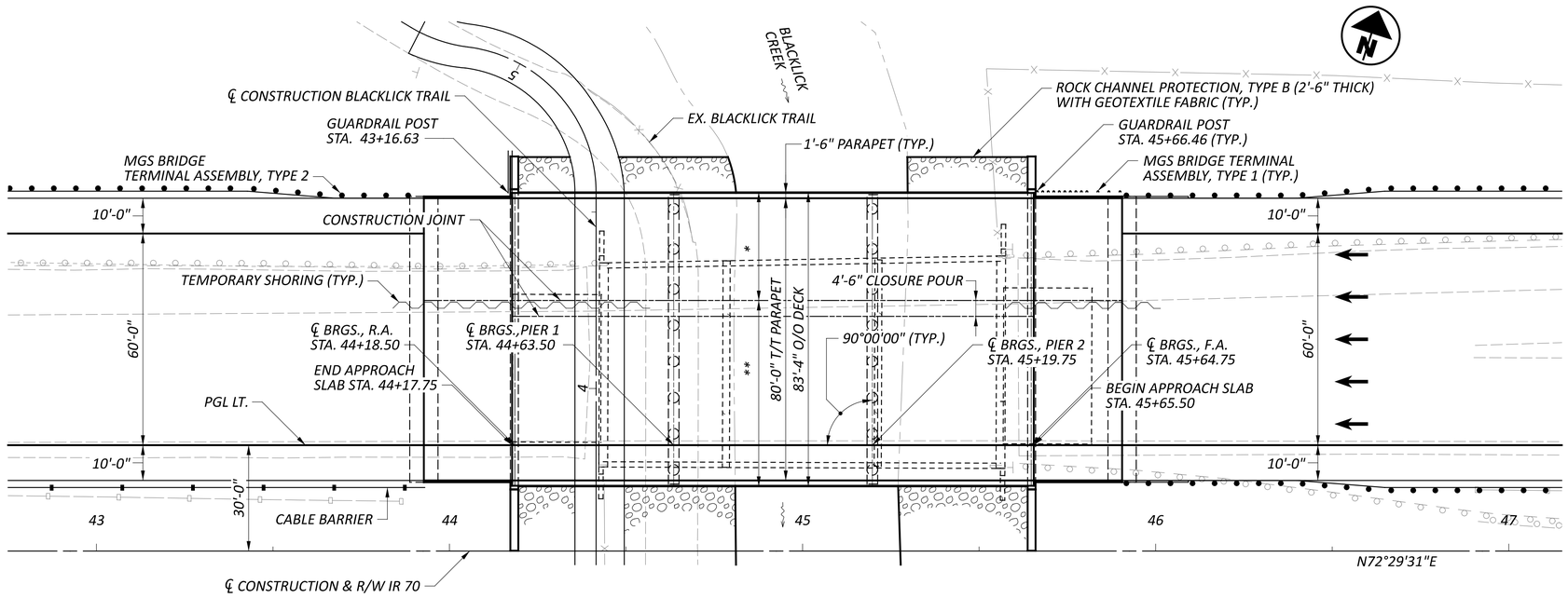

GENERAL PLAN

LEGEND

** - PHASE 4A CONSTRUCTION = 30'-8"*

*** - PHASE 4B CONSTRUCTION = 52'-8"*

HORIZONTAL SCALE IN FEET
0 10 20 40

GENERAL PLAN
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
BWR	AMR

REVIEWER: GDJ 6-10-24

PROJECT ID: 96808

SUBSET	TOTAL
2	28

SHEET	TOTAL
P.1253	P.1556

FAI/LIC-IR 70-0.00/0.00

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REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

AS-1-15	REVISED	1-20-2023
AS-2-15	REVISED	7-21-2023
CPA-1-08	REVISED	1-19-2024
CS-1-24	DATED	7-19-2024
SBR-1-20	REVISED	7-19-2024
PCB-91	REVISED	7-17-2020

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:

846	DATED	4-17-2015

DESIGN LOADING

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.06 KIPS/FT^2

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA

CONCRETE CLASS QC2 WITH QC/QA - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE AND PIER CAPS)

CONCRETE CLASS QC1 WITH QC/QA - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY-COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI (SUBSTRUCTURE, SUPERSTRUCTURE, APPROACH SLAB)

GFRP REINFORCEMENT (PARAPET)

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

STEEL SHEET PILING - ASTM A572 GRADE 50 - YIELD STRENGTH 50 KSI

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

PILE DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE (UBV) IS 296 KIPS PER PILE FOR THE REAR ABUTMENT PILES. THE UBV IS 342 KIPS PER PILE FOR THE PIER 1 PILES. THE UBV IS 316 KIPS PER PILE FOR THE PIER 2 PILES.
THE UBV FOR THE REAR ABUTMENT PILES INCLUDES AN ADDITIONAL 37 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 17 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. THE UBV FOR THE PIER 1 PILES INCLUDES AN ADDITIONAL 27 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 9 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. THE UBV FOR THE PIER 2 PILES INCLUDES AN ADDITIONAL 1 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 3 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR.

REAR ABUTMENT PILES:
12 INCH DIAMETER PILES 85 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 1 PILES:
12 INCH DIAMETER PILES 55 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 2 PILES:
12 INCH DIAMETER PILES 60 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

FORWARD ABUTMENT PILES:
12 INCH DIAMETER PILES 55 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.375" FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES.

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.25" FOR THE ABUTMENT AND PIER 2 CAST-IN-PLACE REINFORCED CONCRETE PILES, AND A WALL THICKNESS OF 0.312" FOR THE PIER 1 PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP

THE UBV IS 295 KIPS PER PILE FOR THE 12 INCH DIAMETER FORWARD ABUTMENT PILES. THE UBV FOR THE FORWARD ABUTMENT INCLUDES AN ADDITIONAL 54 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 19 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

DRIVE THE FIRST TWO PILES AT THE FORWARD ABUTMENT TO THE FULL ESTIMATED LENGTH OF 65 FEET. PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATES A PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF 7 DAYS. INCLUDE THE WAITING PERIOD AS A SEPARATE ACTIVITY IN THE PROGRESS SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

IF THE RESTRIKE TEST RESULTS INDICATE THAT EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FOR THE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

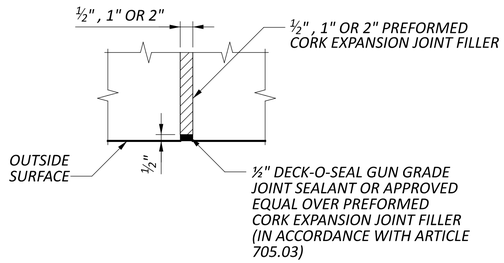
IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER C&MS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 DYNAMIC LOAD TESTING AND A QUANTITY OF ONE EACH ITEM 523 RESTRIKE FOR THE FORWARD ABUTMENT.

ITEM 516 - ½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN
ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN

ALL ½" P.E.J.F., AS PER PLAN, 1" P.E.J.F., AS PER PLAN, AND 2" P.E.J.F., AS PER PLAN CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER ½" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE-JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION OR MAXIMUM EFFECTIVENESS.

DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665



PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - ½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, AND ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

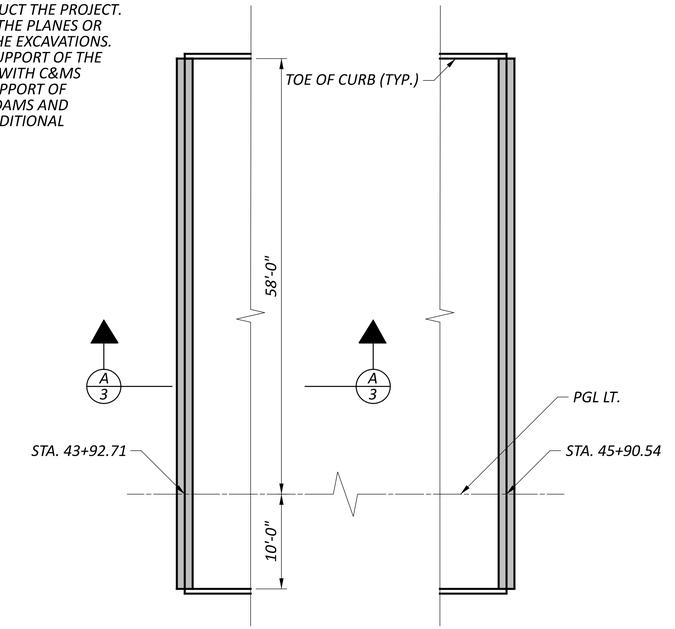
SCOUR ELEVATIONS

THE DESIGN FLOOD AND CHECK FLOOD SCOUR ELEVATIONS ARE PROVIDED BELOW:

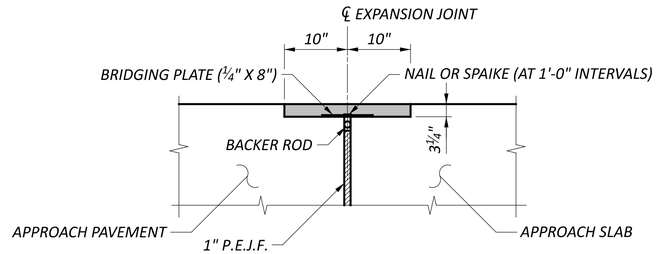
	REAR ABUTMENT	PIER 1	PIER 2	FORWARD ABUTMENT
DESIGN FLOOD	808.39	805.92	805.92	807.15
CHECK FLOOD	808.43	805.67	805.67	806.99

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN:

THE DESIGN SHOWN ON THE PLANS FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ON THE PLANES OR PREPARE AN ALTERNATE DESIGN TO SUPPORT THE SIDES OF THE EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF THE EXCAVATION, PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUM SUM PRICE FOR COFFERDAMS AND EXCAVATION BRACING. THE DEPARTMENT WILL NOT MAKE ADDITIONAL PAYMENT FOR PROVIDING AN ALTERNATE DESIGN.



POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM PLAN
STATIONS SHOWN ARE TAKEN AT ℄ OF EXPANSION JOINT



A/3 SECTION

GENERAL NOTES
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER SMH | CHECKER AMR
REVIEWER GDJ 4-23-25
PROJECT ID 96808
SUBSET 3 | TOTAL 28
SHEET P.1254 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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DESIGN: DATE:		CHECK: DATE:		ESTIMATED QUANTITIES					
ABUTMENTS	PIERS	SUPERSTRUCTURE	GENERAL	ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				202	11002	LS	-	STRUCTURE REMOVED, OVER 20 FOOT SPAN	
				202	22900	SY		APPROACH SLAB REMOVED	
				202	32800	SY		CONCRETE SLOPE PROTECTION REMOVED	
				503	11101	LS	-	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	3
				503	21100	LS	-	UNCLASSIFIED EXCAVATION	
				505	11100	LS	-	PILE DRIVING EQUIPMENT MOBILIZATION	
				507	00500	0	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
				507	00550	0	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
				509	10000	0	LB	EPOXY COATED STEEL REINFORCEMENT	
				509	30020	0	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
				511	33312	0	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
				511	34450	0	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
				511	41012	0	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	
				511	43512	0	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	
				511	46512	0	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
				512	10050	0	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
				512	33000	0	SY	TYPE 2 WATERPROOFING	
				516	13201	0	SF	½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	3
				516	13601	0	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	3
				516	13901	0	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	3
				516	14014	0	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
				518	12500	0	EACH	SCUPPER, MISC.: SCUPPER, INCLUDING SUPPORTS	
				518	21200	0	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
				518	40000	0	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
				518	40010	0	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
				523	20000	0	EACH	DYNAMIC LOAD TESTING	
				523	20500	0	EACH	RESTRIKE	
				526	25011	0	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	3
				526	90010	0	FT	TYPE A INSTALLATION	
				846	00110	0	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	

ESTIMATED QUANTITIES
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER
GDJ 4-23-25

PROJECT ID
96808

SUBSET	TOTAL
4	28

SHEET	TOTAL
P.1255	P.1556

FAI/LIC-IR 70-0.00/0.00

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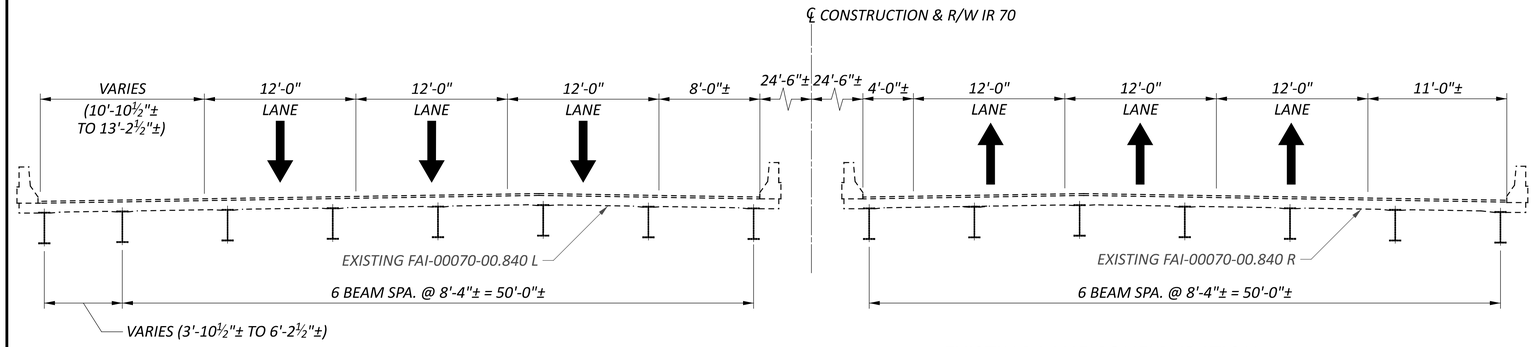
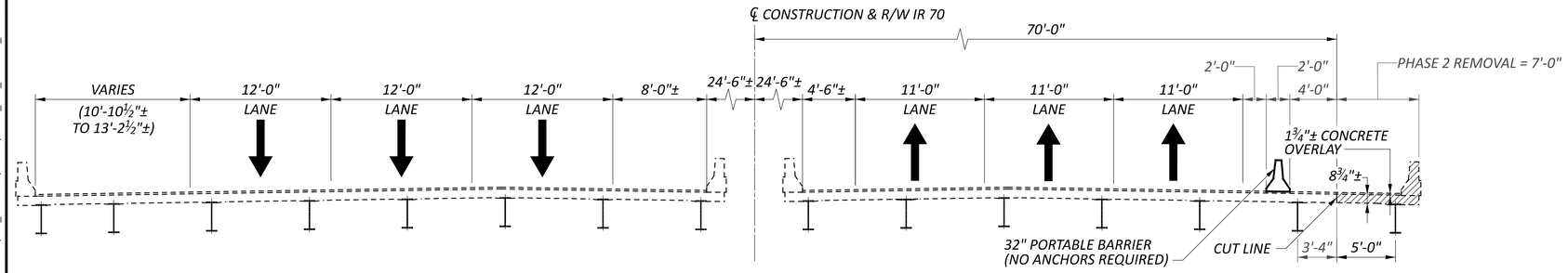
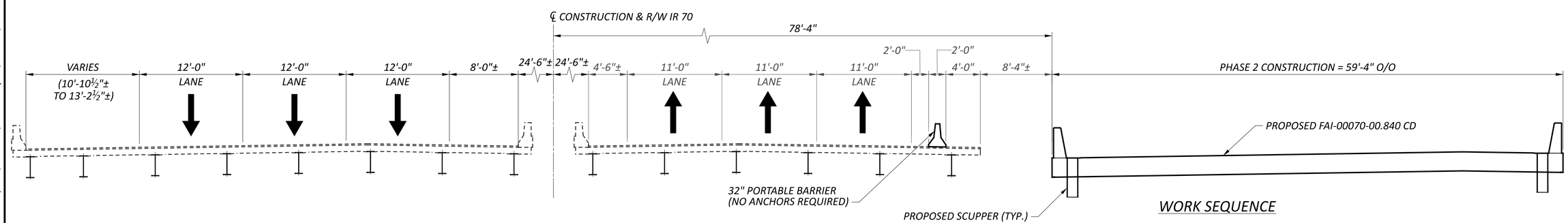


EXISTING LANE CONFIGURATION



PHASE 2 REMOVAL



PHASE 2 CONSTRUCTION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

WORK SEQUENCE

1. INSTALL THE PORTABLE BARRIER AS SHOWN AND PER STD. DWG. PCB-91 OR RM-4.2.
2. REMOVE PORTIONS OF THE SUPERSTRUCTURE AS WELL AS PORTIONS OF THE EXISTING APPROACH SLABS, ABUTMENTS, AND PIERS. PROVIDE TEMPORARY SHORING TO ACCOMMODATE THE REMOVAL.
3. CONSTRUCT SUBSTRUCTURE AND APPROACH SLABS.
4. CONSTRUCT SUPERSTUCTURE INCLUDING THE DECK AND PARAPETS.

MAINTENANCE OF TRAFFIC AND REMOVAL
BRIDGE NO. FAI-00070-00.840
IR 70 OVER BLACKLICK CREEK

SFN
VARIES

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	BWR

REVIEWER
GDJ 4-22-25

PROJECT ID
96808

SUBSET	TOTAL
5	28

SHEET	TOTAL
P.1256	P.1556

FAI/LIC-IR 70-0.00/0.00

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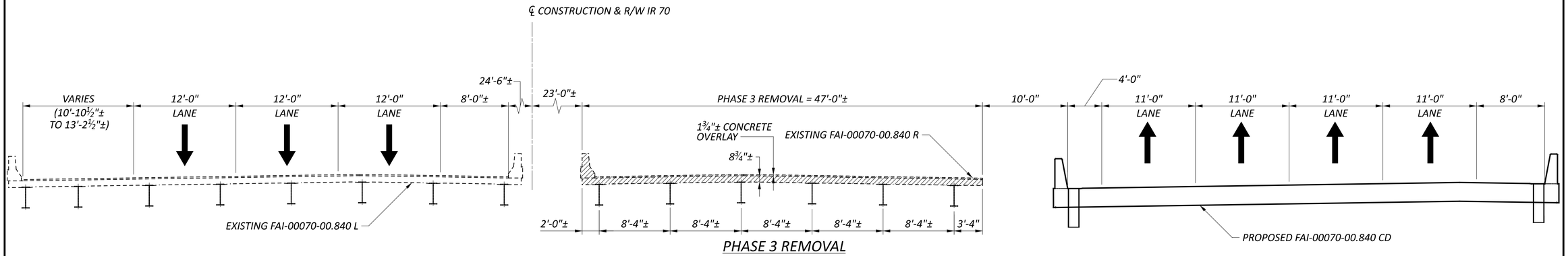
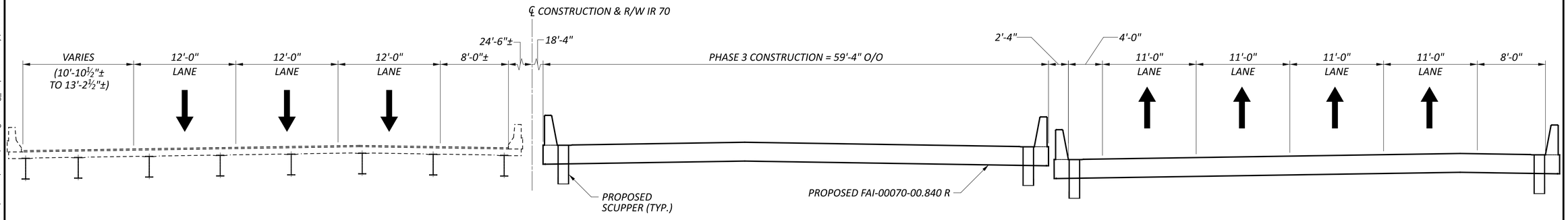


PHASE 3 REMOVAL



PHASE 3 CONSTRUCTION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

WORK SEQUENCE

1. REMOVE PORTIONS OF THE SUPERSTRUCTURE AS WELL AS PORTIONS OF THE EXISTING APPROACH SLABS, ABUTMENTS, AND PIERS. REMOVE TEMPORARY SHORING.
2. CONSTRUCT SUBSTRUCTURE AND APPROACH SLABS.
3. CONSTRUCT SUPERSTUCTURE INCLUDING THE DECK AND PARAPETS.

MAINTENANCE OF TRAFFIC AND REMOVAL
BRIDGE NO. FAI-00070-00.840
IR 70 OVER BLACKLICK CREEK

SFN
VARIES

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	BWR

REVIEWER
GDJ 4-22-25

PROJECT ID
96808

SUBSET	TOTAL
6	28

SHEET	TOTAL
P.1257	P.1556

FAI/LIC-IR 70-0.00/0.00

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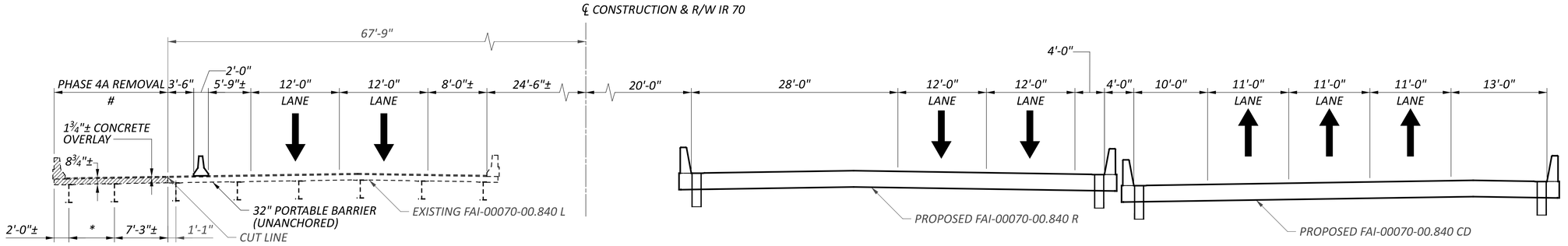
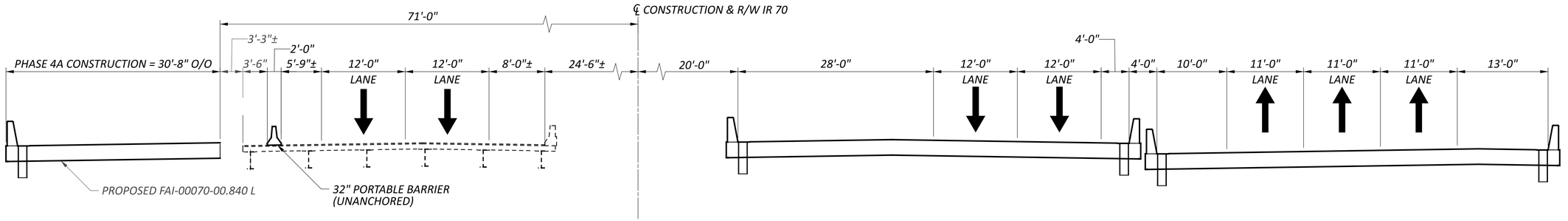
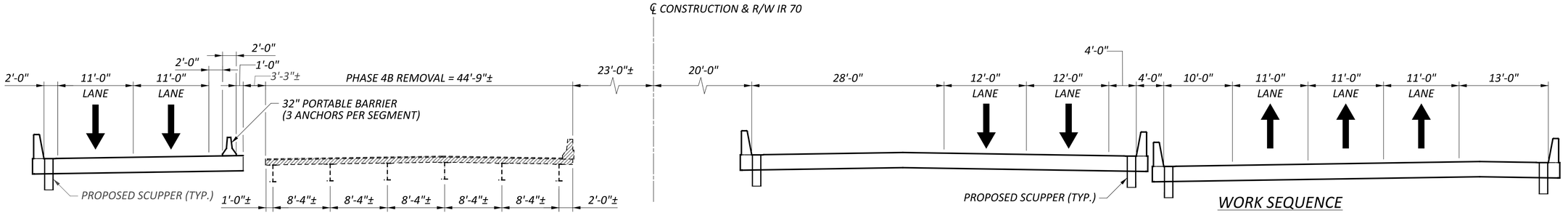


PHASE 4A REMOVAL



PHASE 4A CONSTRUCTION



PHASE 4B REMOVAL

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

* - VARIES 3'-10½"± TO 6'-2½"±

\# - VARIES 13'-1½" TO 15'-5½"

WORK SEQUENCE

1. INSTALL THE PORTABLE BARRIER AS SHOWN AND PER STD. DWG. PCB-91 OR RM-4.2.
2. REMOVE PORTIONS OF THE SUPERSTRUCTURE AS WELL AS PORTIONS OF THE EXISTING APPROACH SLABS, ABUTMENTS, AND PIERS. PROVIDE TEMPORARY SHORING TO ACCOMMODATE THE REMOVAL.
3. CONSTRUCT PORTIONS OF SUBSTRUCTURE AND APPROACH SLABS.
4. CONSTRUCT PORTIONS OF SUPERSTUCTURE INCLUDING THE DECK AND PARAPET.
5. INSTALL THE PORTABLE BARRIER AS SHOWN AND PER STD. DWG. PCB-91 OR RM-4.2.
6. REMOVE PORTIONS OF THE SUPERSTRUCTURE AS WELL AS PORTIONS OF THE EXISTING APPROACH SLABS, ABUTMENTS, AND PIERS. REMOVE TEMPORARY SHORING AND THE PORTABLE BARRIER.

MAINTENANCE OF TRAFFIC AND REMOVAL
BRIDGE NO. FAI-00070-00.840
IR 70 OVER BLACKLICK CREEK

SFN VARIES

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	BWR

REVIEWER: GDJ 4-22-25

PROJECT ID: 96808

SUBSET	TOTAL
7	28

SHEET	TOTAL
P.1258	P.1556

FAI/LIC-IR 70-0.00/0.00

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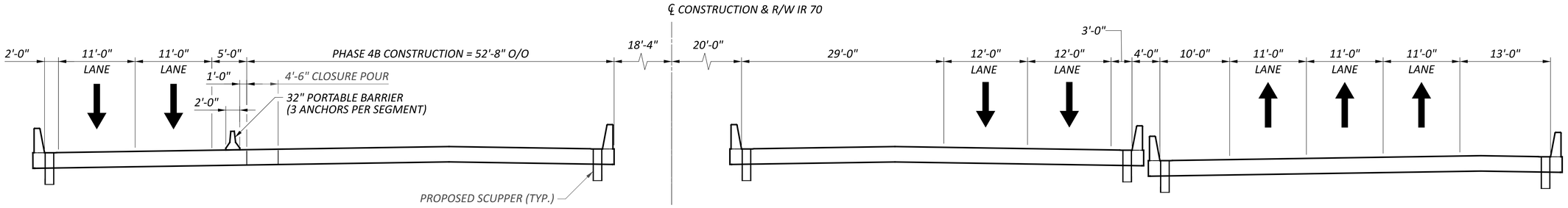
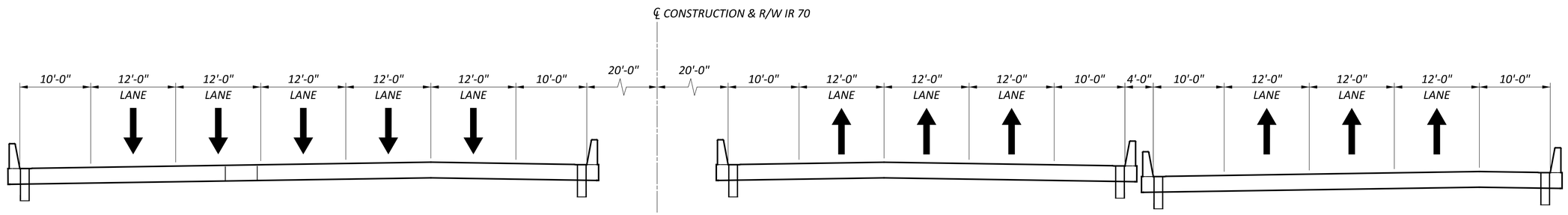


PHASE 4B CONSTRUCTION



FINAL LANE CONFIGURATION

WORK SEQUENCE

1. *CONSTRUCT PORTIONS OF SUBSTRUCTURE AND APPROACH SLABS.*
2. *CONSTRUCT PORTIONS OF SUPERSTRUCTURE INCLUDING DECK AND PARAPETS.*
3. *REMOVE THE PORTABLE BARRIER AND OPEN COMPLETED BRIDGE TO TRAFFIC. PERFORM MISCELLANEOUS TASKS SUCH AS SEALING CONCRETE SURFACES.*

MAINTENANCE OF TRAFFIC AND REMOVAL
BRIDGE NO. FAI-00070-00.840
IR 70 OVER BLACKLICK CREEK

SFN
VARIES

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	BWR

REVIEWER
GDJ 4-22-25

PROJECT ID
96808

SUBSET	TOTAL
8	28

SHEET	TOTAL
P.1259	P.1556

FAI/LIC-IR 70-0.00/0.00

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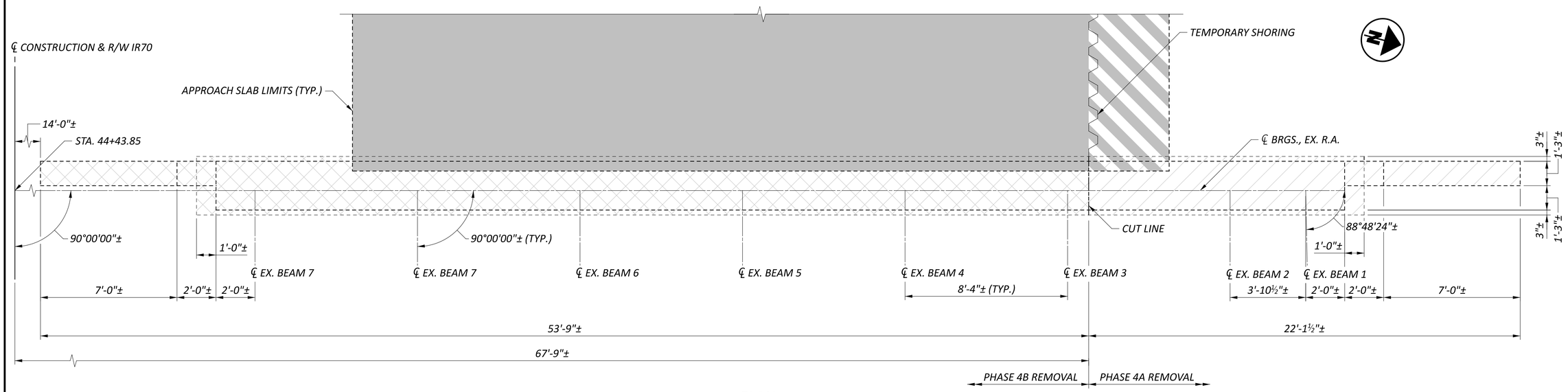
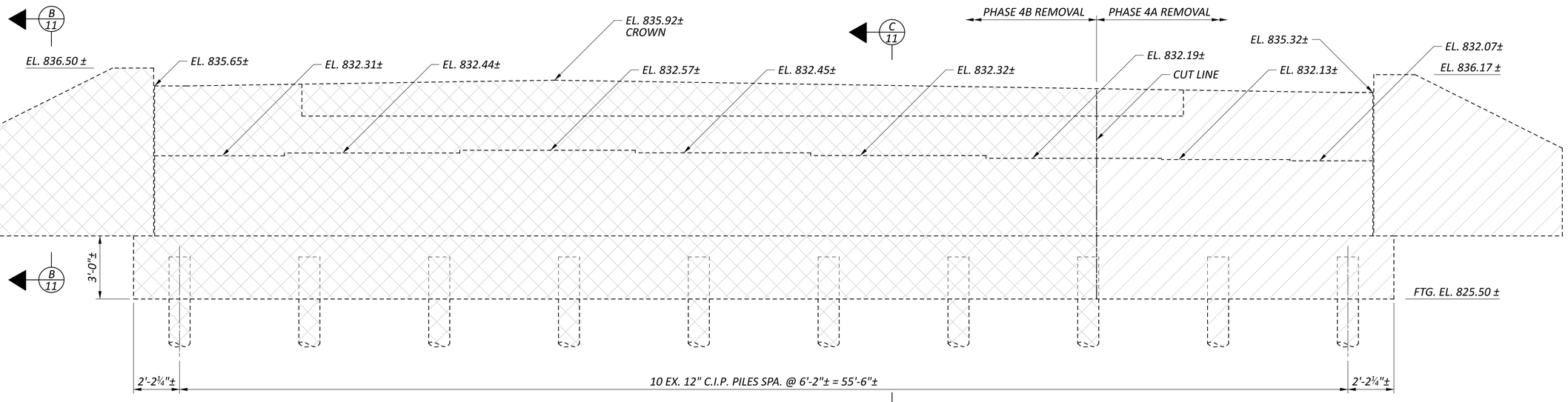


PLAN



ELEVATION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 4A
- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 4B
- APPROACH SLAB REMOVED - PHASE 4A
- APPROACH SLAB REMOVED - PHASE 4B

NOTES

1. REFER TO SHEET 13/28 FOR TEMPORARY SHORING DETAILS.
2. REMOVE PILES TO A MINIMUM OF 1'-0" BELOW BLACKLICK TRAIL PAVEMENT.

REAR ABUTMENT REMOVAL DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 4-18-25

PROJECT ID: 96808

SUBSET	TOTAL
9	28

SHEET	TOTAL
P.1260	P.1556

FAI/LIC-IR 70-0.00/0.00

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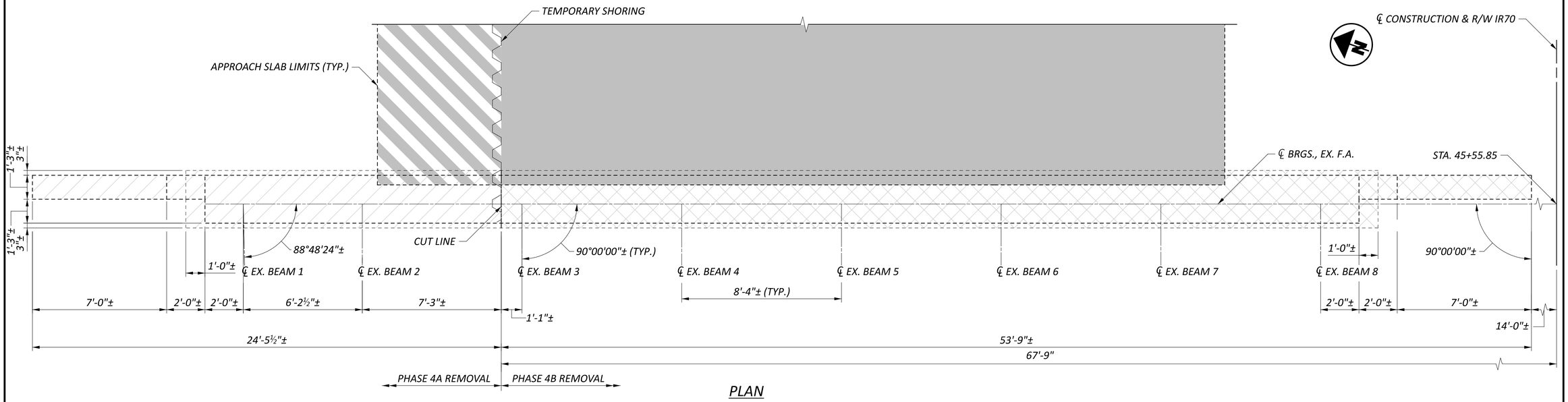
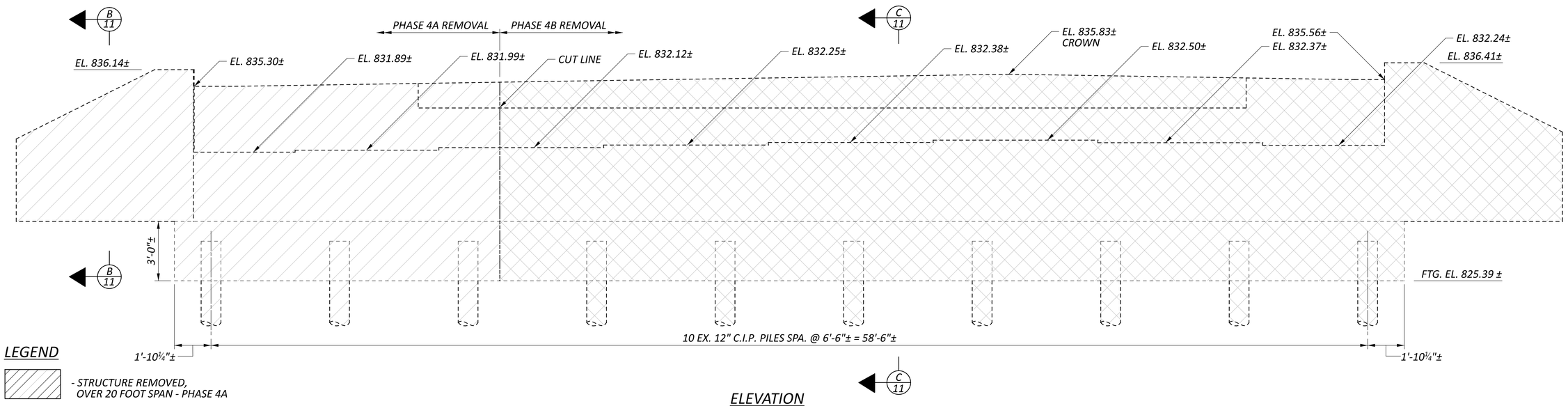


PLAN



ELEVATION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 4A
- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 4B
- APPROACH SLAB REMOVED - PHASE 4A
- APPROACH SLAB REMOVED - PHASE 4B

NOTES

1. REFER TO SHEET 13/28 FOR TEMPORARY SHORING DETAILS.
2. REMOVE PILES TO A MINIMUM OF 1'-0" BELOW PROPOSED GROUND SURFACE.

FORWARD ABUTMENT REMOVAL DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

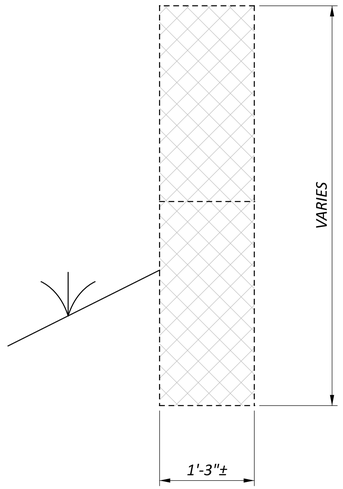
DESIGNER	CHECKER
SMH	AMR

REVIEWER
GDJ 4-18-25

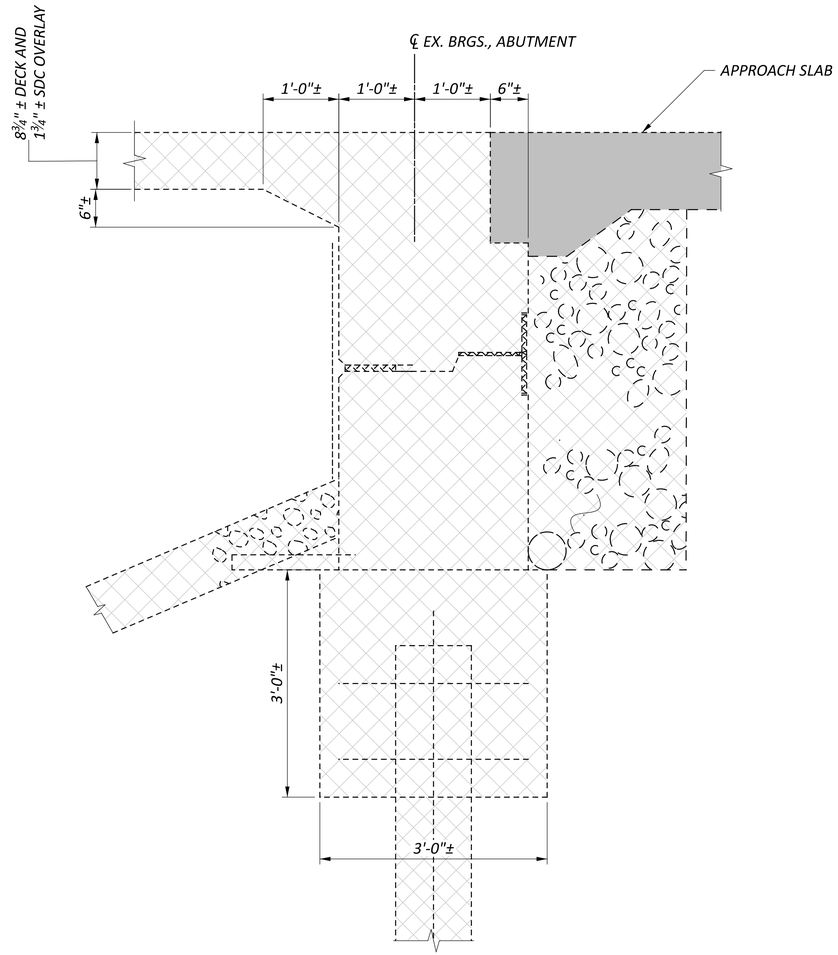
PROJECT ID
96808

SUBSET	TOTAL
10	28

SHEET	TOTAL
P.1261	P.1556



B/9 B/10 SECTION



C/9 C/10 SECTION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN
- APPROACH SLAB REMOVED

ABUTMENT REMOVAL SECTIONS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN	2301564
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 4-21-25
PROJECT ID	96808
SUBSET	11
TOTAL	28
SHEET	P.1262
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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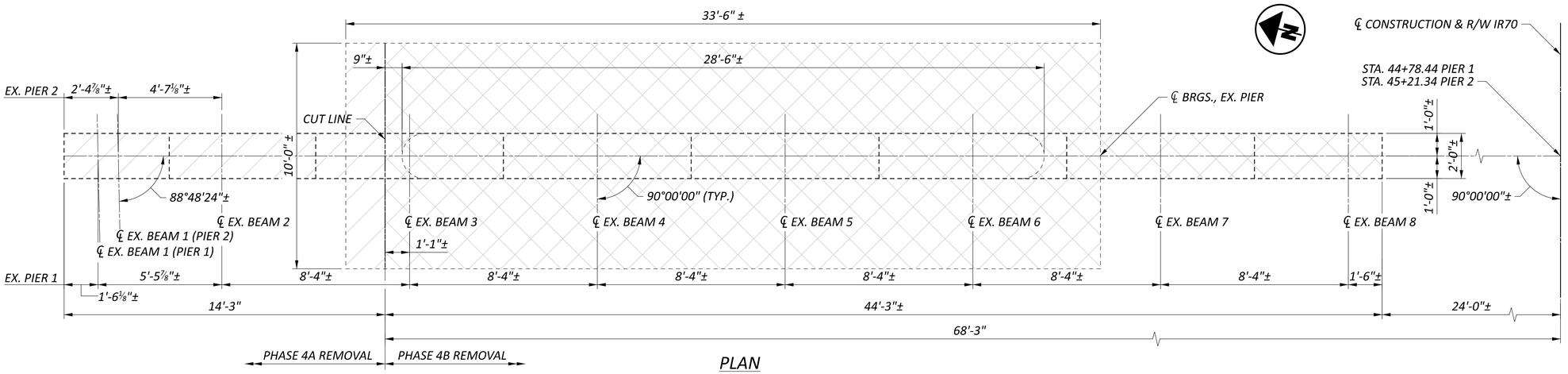

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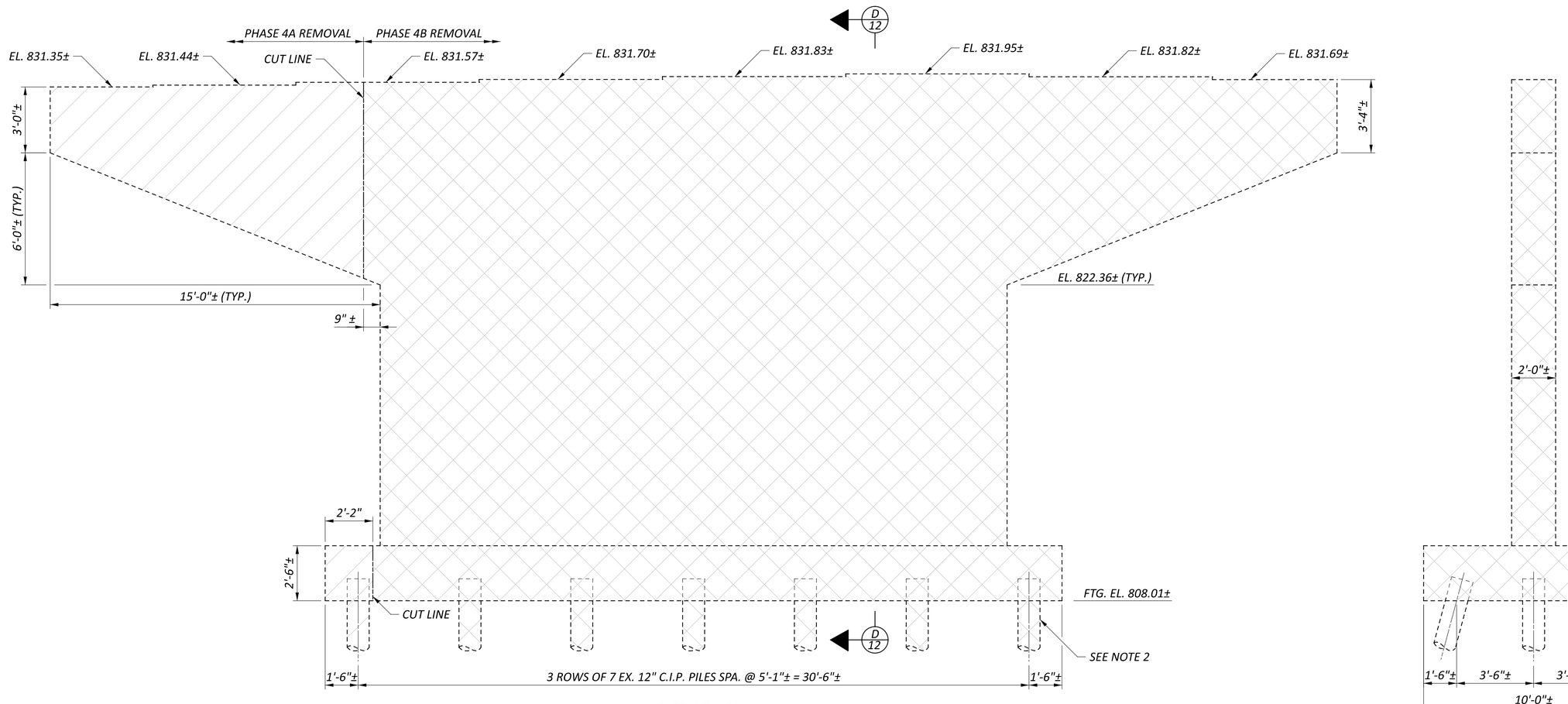

ELEVATION

D
12
SECTION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 4A
- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 4B

NOTES

1. REMOVE PIER 1 PER C&MS 202.03.
2. REMOVE PIER 2 IN IT'S ENTIRETY INCLUDING PILES TO ELEVATION 807.50.

PIER REMOVAL DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 4-18-25

PROJECT ID: 96808

SUBSET	TOTAL
12	28

SHEET	TOTAL
P.1263	P.1556

FAI/LIC-IR 70-0.00/0.00

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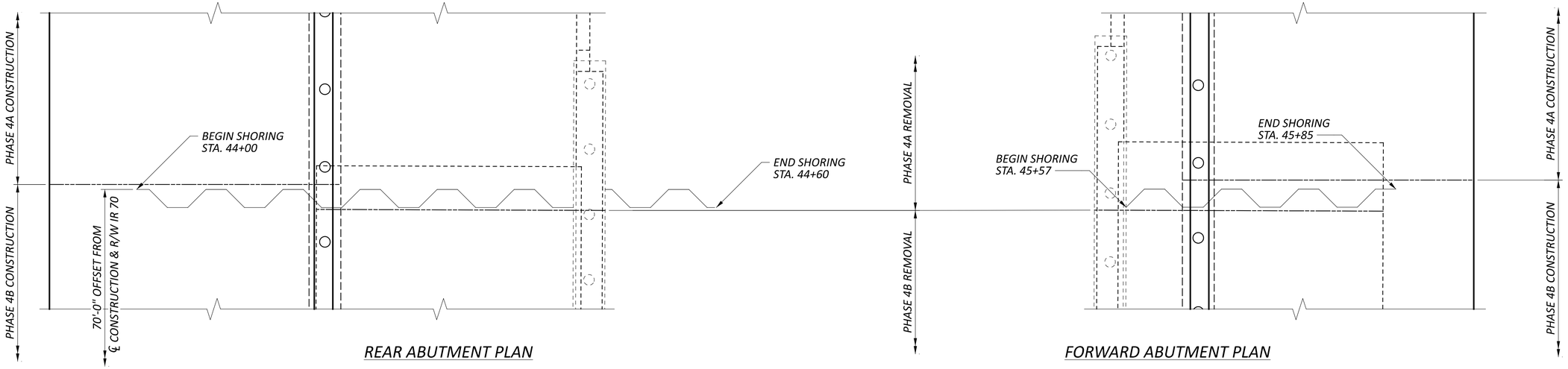
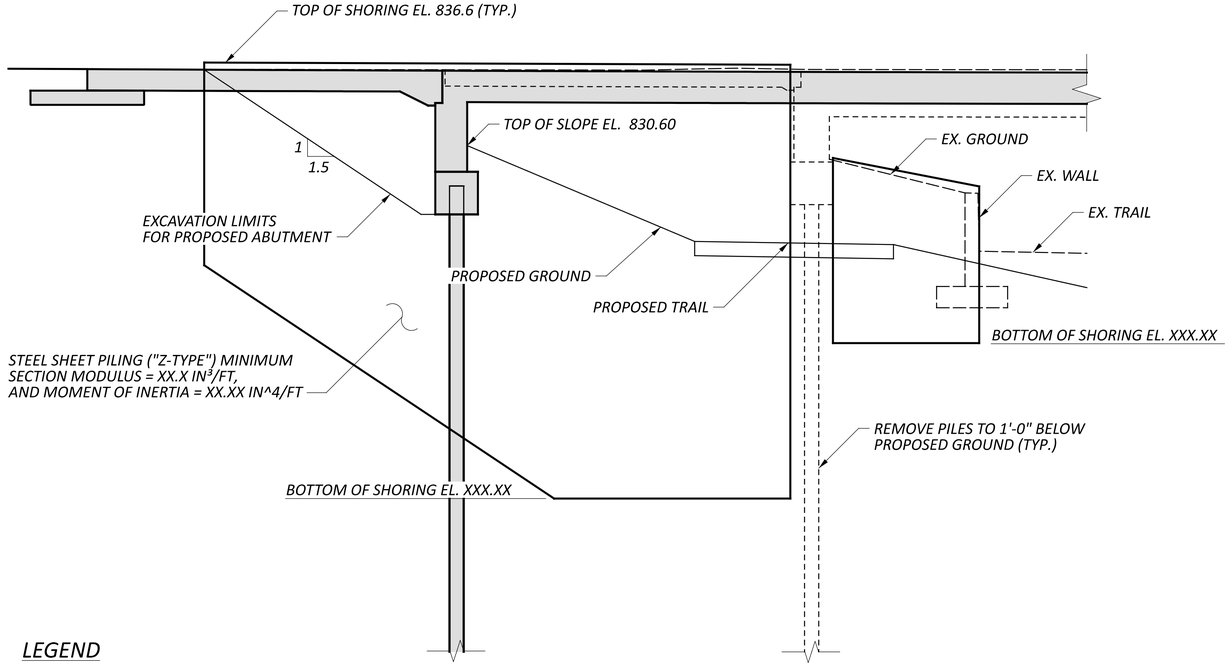
NOTE TO REVIEWER - SHEETING DEPTH, SECTION MODULUS, AND MOMENT INERTIA TO BE DETERMINED WHEN DESIGN PARAMETERS ARE PROVIDED

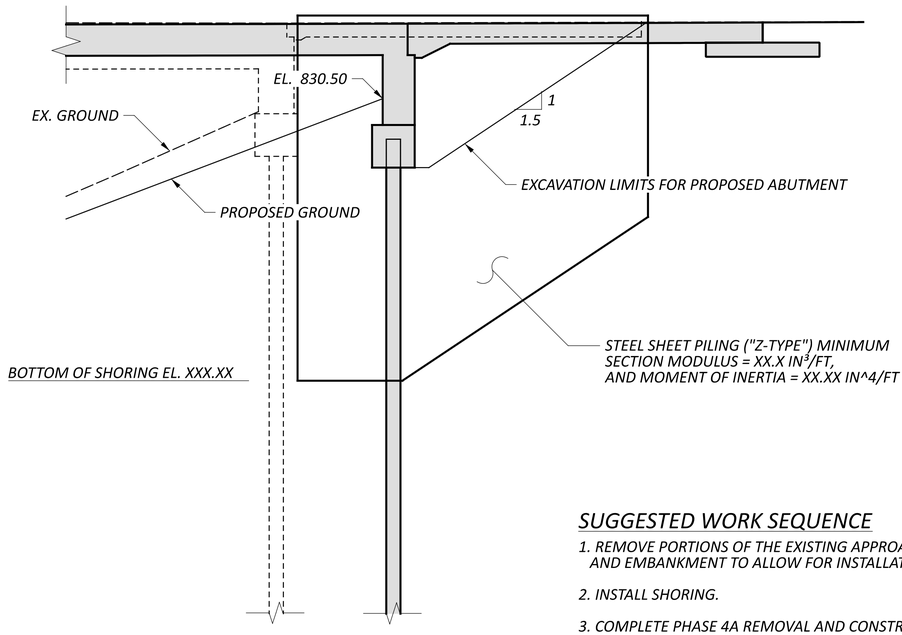


REAR ABUTMENT PLAN

FORWARD ABUTMENT PLAN



REAR ABUTMENT ELEVATION



FORWARD ABUTMENT ELEVATION

LEGEND

PROPOSED BRIDGE

NOTE

TOP OF SHORING SHALL BE A MINIMUM OF 6" ABOVE PROPOSED GROUND LINE.

SUGGESTED WORK SEQUENCE

1. *REMOVE PORTIONS OF THE EXISTING APPROACH SLABS, PAVEMENT, AND EMBANKMENT TO ALLOW FOR INSTALLATION OF SHEETING.*
2. *INSTALL SHORING.*
3. *COMPLETE PHASE 4A REMOVAL AND CONSTRUCTION.*
4. *REMOVE EXCESS SHORING AS REQUIRED TO FACILITATE PHASE 4B CONSTRUCTION.*
5. *REMOVE REMAINING PORTIONS OF EXISTING BRIDGE.*
6. *COMPLETE PHASE 4B CONSTRUCTION AND FINAL GRADING.*

TEMPORARY SHORING DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN	2301564
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	AMR
CHECKER	SMH
REVIEWER	GDJ 5-01-25
PROJECT ID	96808
SUBSET	13
TOTAL	28
SHEET	P.1264
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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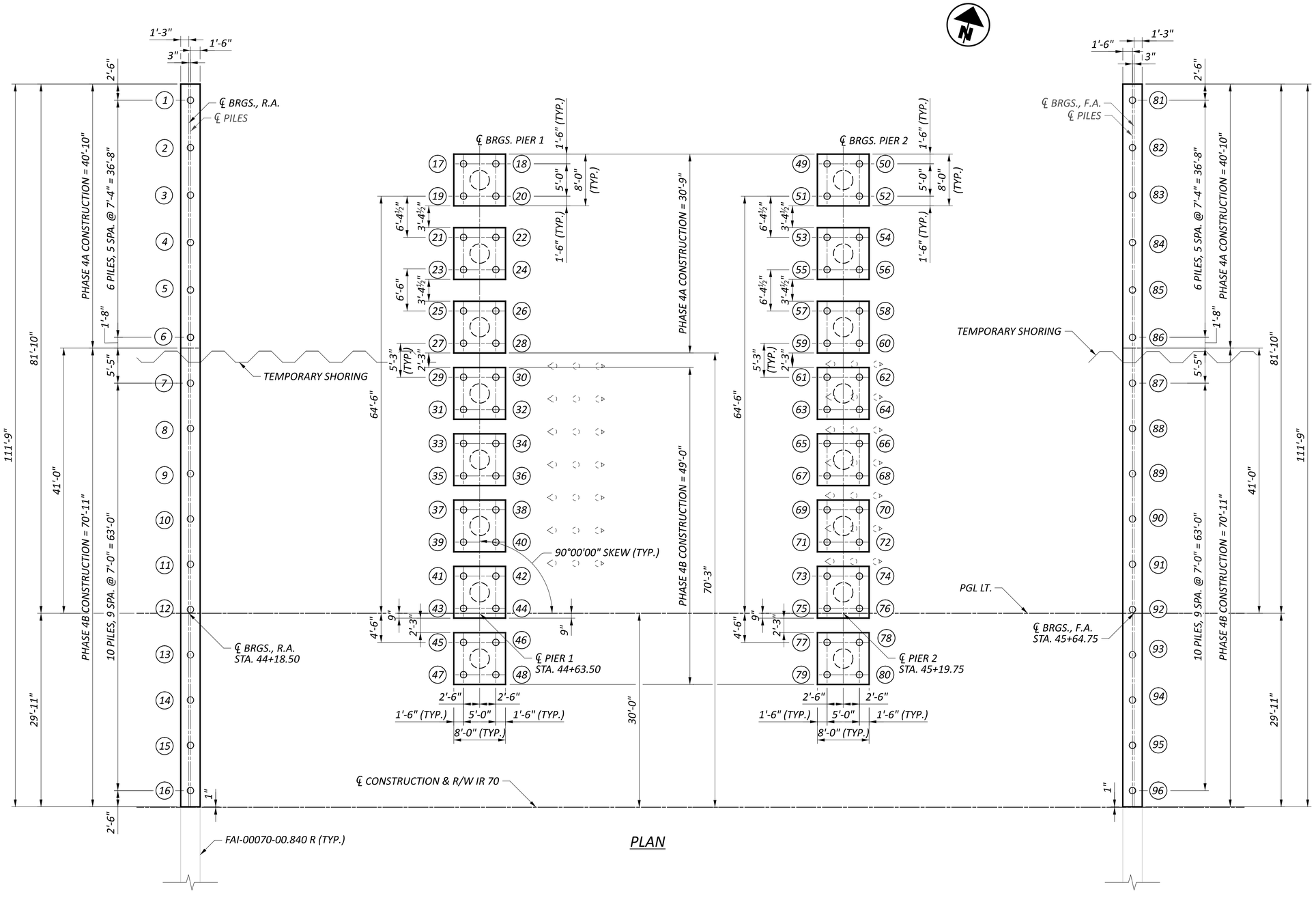

PLAN

LEGEND

- (#) PROPOSED PILE IDENTIFICATION NUMBER
- ○ PROPOSED 12" C.I.P. REINFORCED CONCRETE PILE
- ◌ EXISTING 12" C.I.P. REINFORCED CONCRETE PIER PILE
- ◌ EXISTING 12" C.I.P. REINFORCED CONCRETE PIER PILE (BATTERED 1:4)

NOTE

EXISTING PIER 2 PILES TO BE REMOVED TO EL. 807.50

FOUNDATION PLAN
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN	2301564
DESIGN AGENCY	CARPENTER MARTY engineering
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 4-21-25
PROJECT ID	96808
SUBSET	14
TOTAL	28
SHEET	P.1265
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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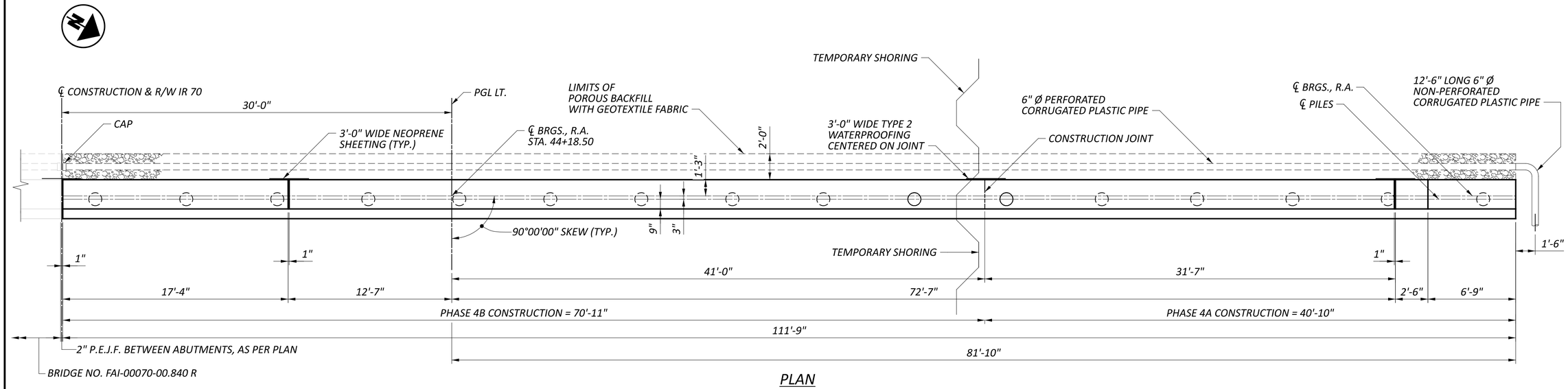
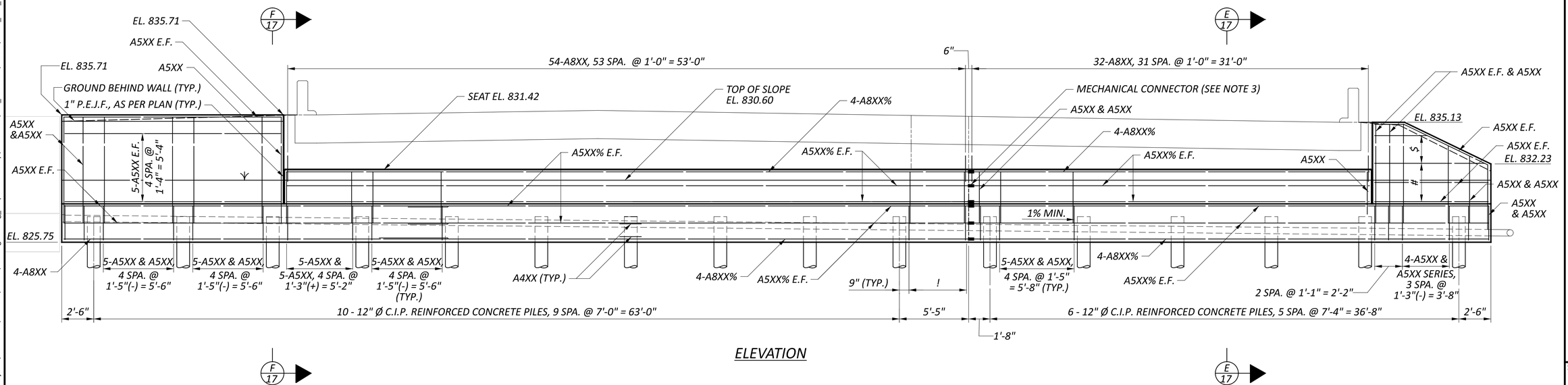


PLAN



ELEVATION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 23/28 FOR DIAPHRAGM DETAILS.
3. MECHANICAL COUPLER SHALL BE DAYTON SUPERIOR D250L BAR LOCK L-SERIES OR ENGINEER APPROVED EQUIVALENT. THE COUPLER SHALL BE EPOXY COATED.
4. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #8 BAR = 64 INCHES
5. REFER TO SHEET 14/28 FOR PILE NUMBERING.

LEGEND

E.F. - EACH FACE

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

- 2 SPA. @ 1'-6" = 3'-0"

$ - A5XX SERIES E.F., 2 SPA. @ 1'-1" = 2'-2"

! - 4-A5XX & A5XX, 3 SPA. @ 1'-6" = 4'-6"

REAR ABUTMENT PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564
DESIGN AGENCY CARPENTER MARTY engineering
DESIGNER SMH | CHECKER AMR
REVIEWER GDJ 4-21-25
PROJECT ID 96808
SUBSET 15 | TOTAL 28
SHEET P.1266 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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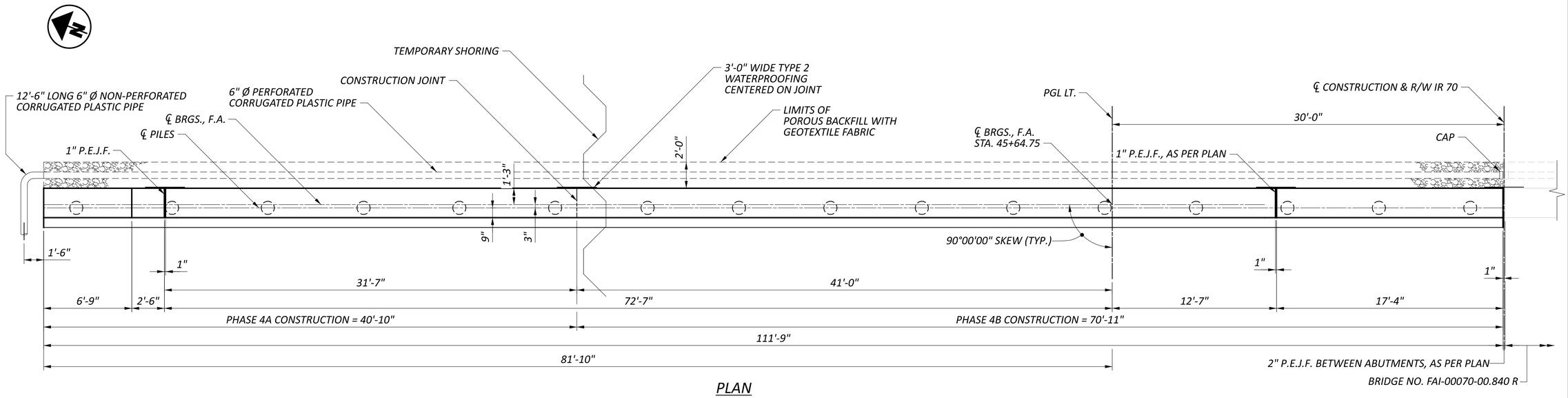
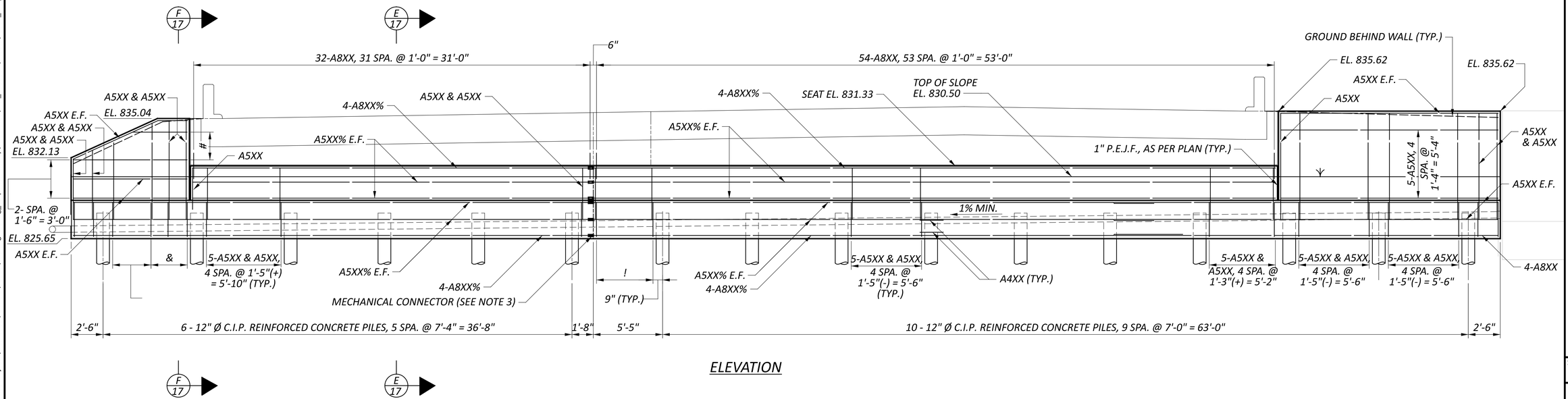


PLAN



ELEVATION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 24/28 FOR DIAPHRAGM DETAILS.
3. MECHANICAL COUPLER SHALL BE DAYTON SUPERIOR D250L BAR LOCK L-SERIES OR ENGINEER APPROVED EQUIVALENT. THE COUPLER SHALL BE EPOXY COATED.
4. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #8 BAR = 64 INCHES
5. REFER TO SHEET 14/28 FOR PILE NUMBERING.

LEGEND

E.F. - EACH FACE

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

- A5XX SERIES E.F., 2 SPA. @ 1'-1" = 2'-2"

& - 2 SPA. @ 1'-5" = 2'-10"

! - 4-A5XX & A5XX, 3 SPA. @ 1'-6" = 4'-6"

FORWARD ABUTMENT PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 4-21-25

PROJECT ID: 96808

SUBSET	TOTAL
16	28

SHEET	TOTAL
P.1267	P.1556

FAI/LIC-IR 70-0.00/0.00

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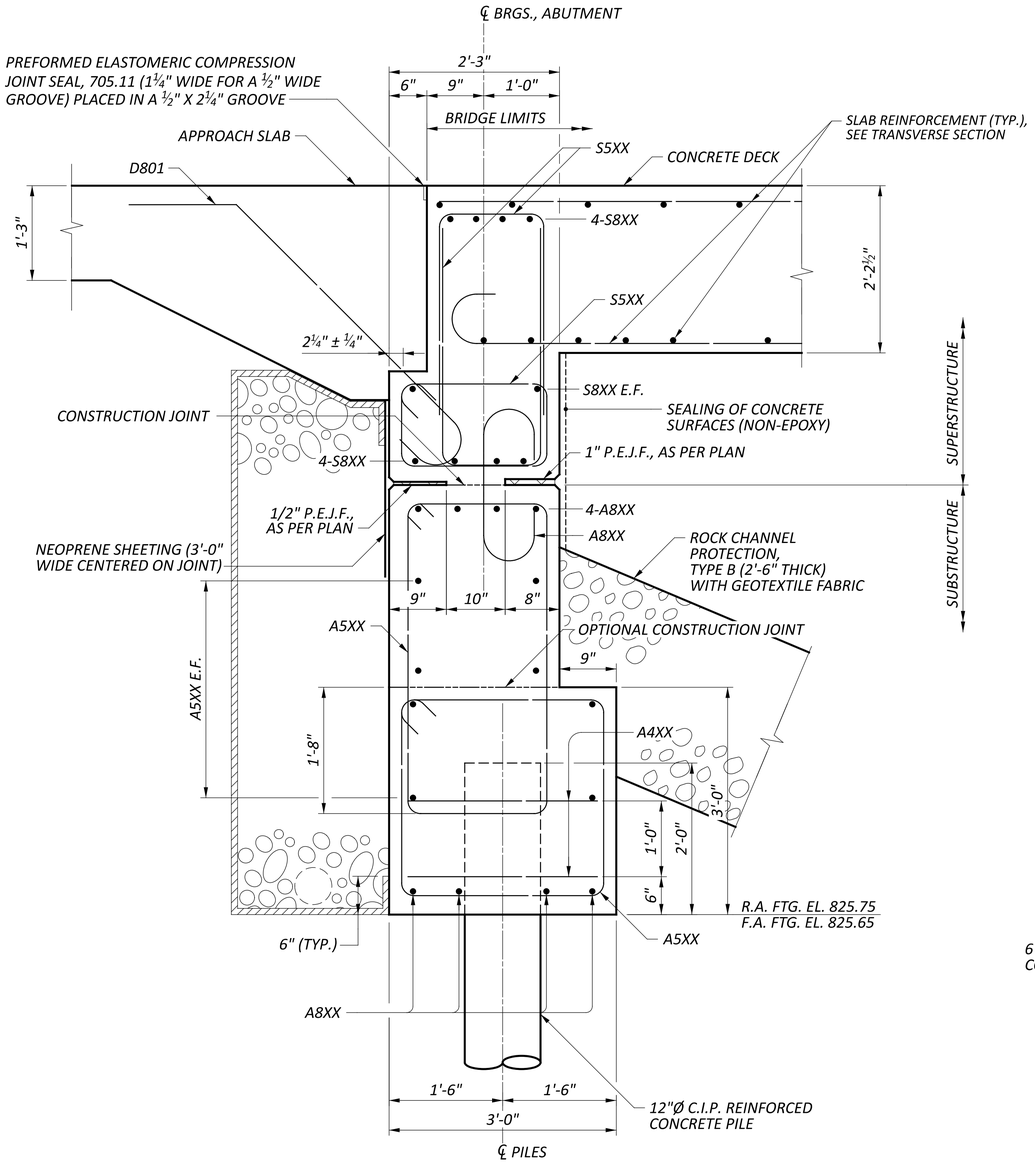
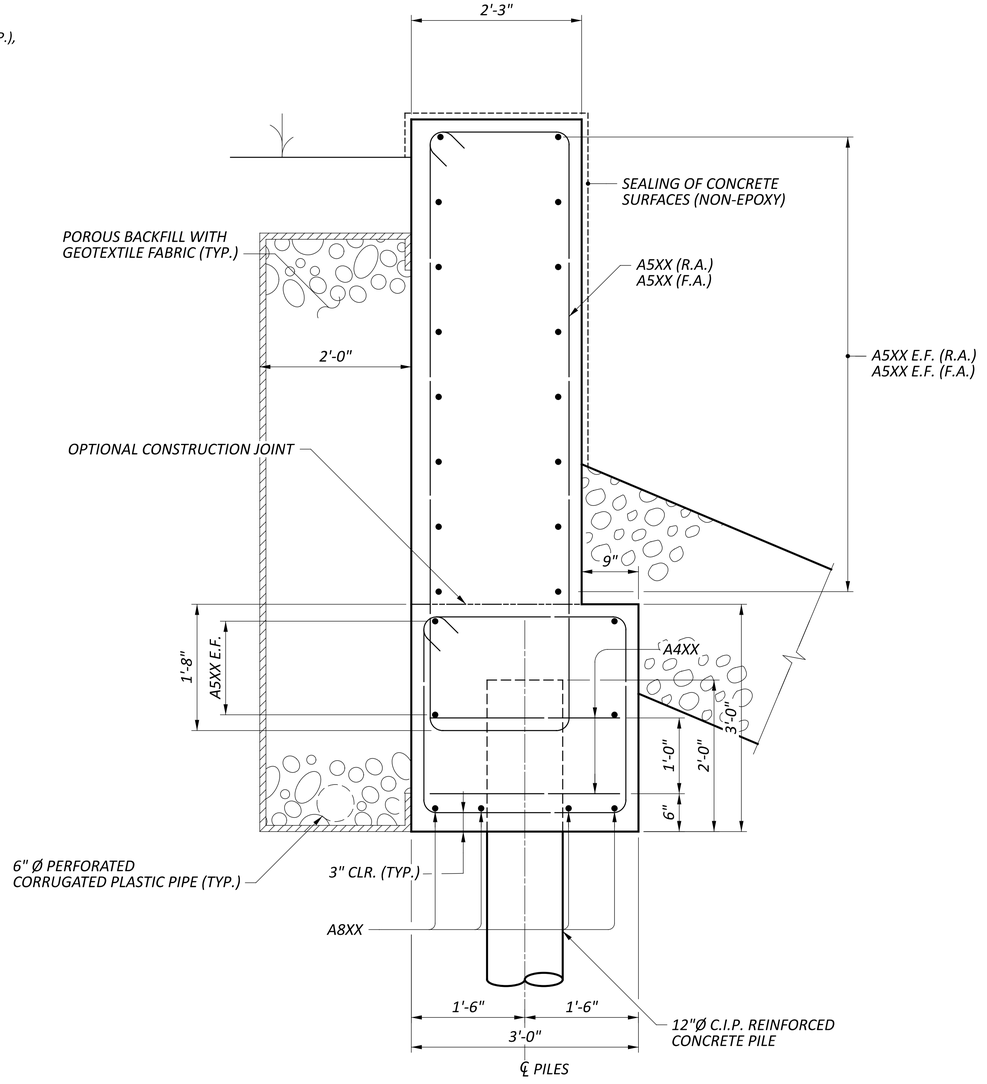


E 15 E 16 E 23 E 24 SECTION



F 15 F 16 SECTION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEETS 19/28 TO 21/28 FOR SLAB DETAILS AND SHEETS 23/28 TO 24/28 FOR DIAPHRAGM DETAILS.

LEGEND

E.F. - EACH FACE

ABUTMENT SECTION
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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SFN 2301564

DESIGN AGENCY CARPENTER MARTY transportation

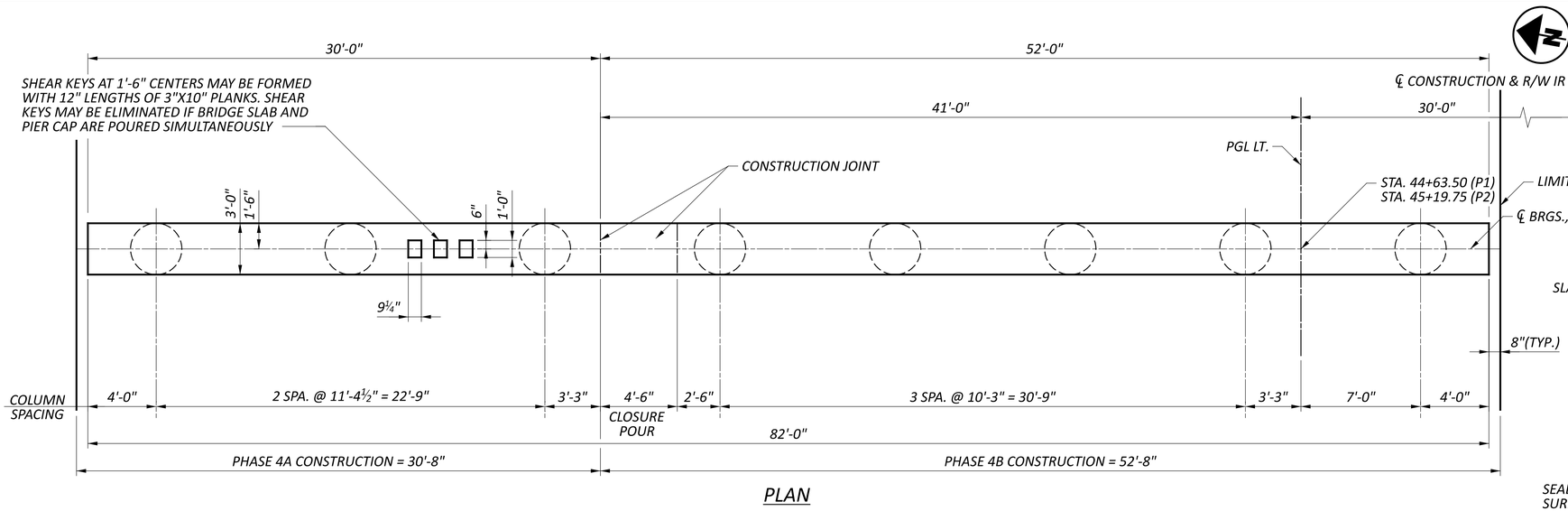
DESIGNER	CHECKER
SMH	AMR

REVIEWER GDJ 4-21-25

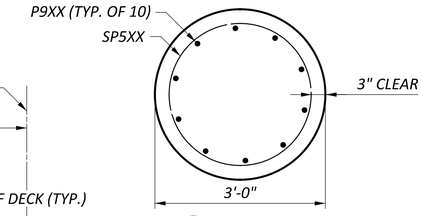
PROJECT ID 96808

SUBSET	TOTAL
17	28

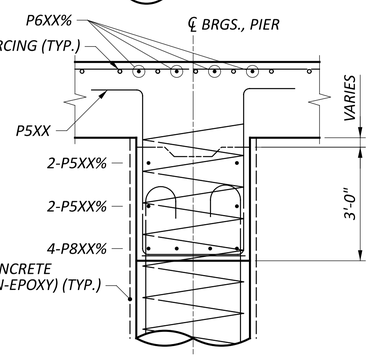
SHEET	TOTAL
P.1268	P.1556



PLAN



G/18 SECTION



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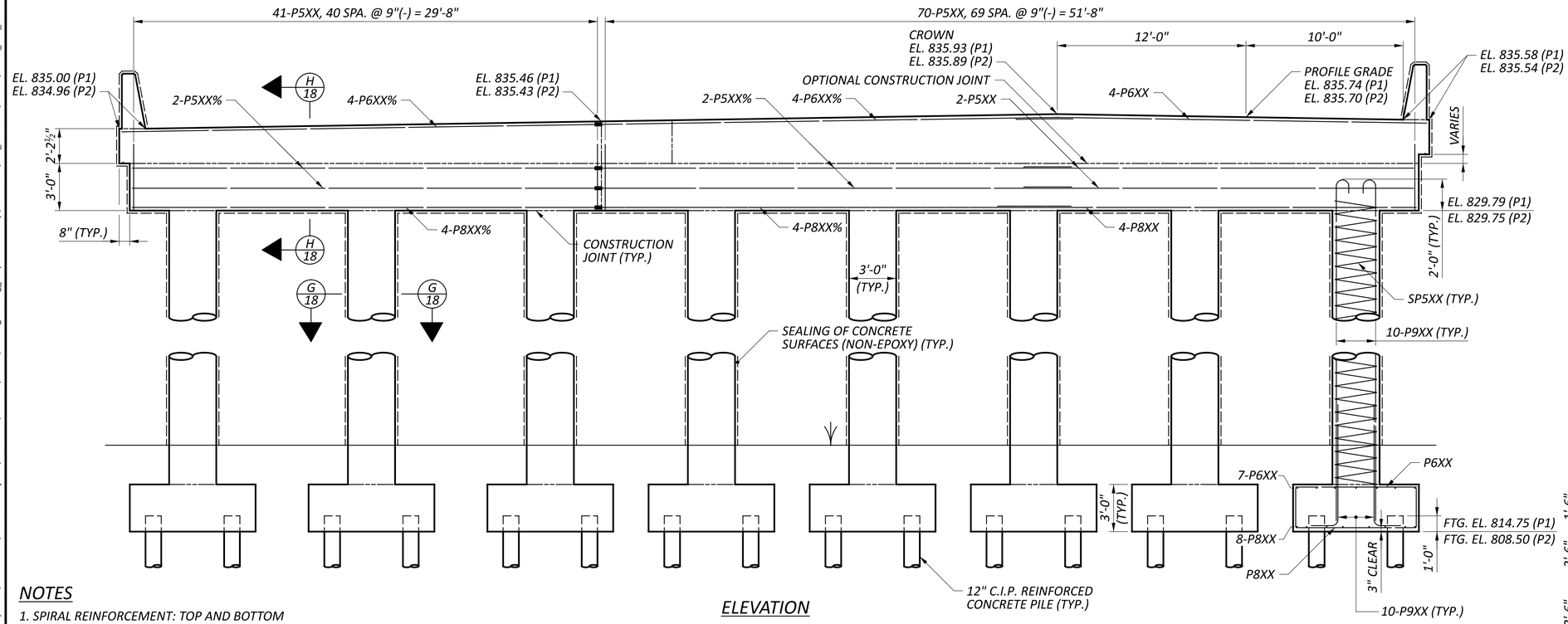


ELEVATION

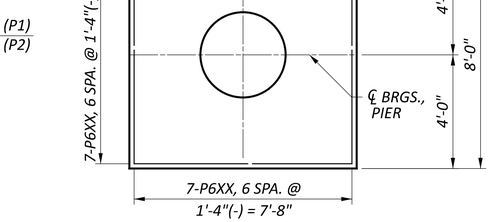
NOTES

1. SPIRAL REINFORCEMENT: TOP AND BOTTOM OF THE COLUMN SPIRAL REINFORCEMENT SHALL BE EMBEDDED AN ADDITIONAL 1½ TURNS.
2. ELEVATIONS ARE GIVEN AT THE CENTERLINE OF THE PIER.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #6 BAR = 44 INCHES
   #8 BAR = 57 INCHES
4. REFER TO SHEET 14/28 FOR PILE NUMBERING.

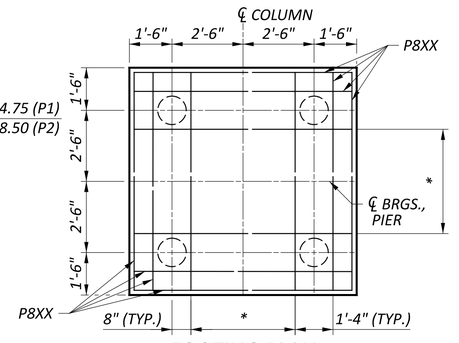
LEGEND

* - 4-P8XX, 3 SPA. @ 10"(-) = 3'-8"

% - BAR TO UTILIZE A MECHANICAL CONNECTOR



FOOTING PLAN
TOP REINFORCING (TYP. ALL FOOTINGS)



FOOTING PLAN
BOTTOM REINFORCING (TYP. ALL FOOTINGS)

PIER DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564
DESIGN AGENCY CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER GDJ 4-21-25
PROJECT ID 96808
SUBSET 18 | TOTAL 28
SHEET P.1269 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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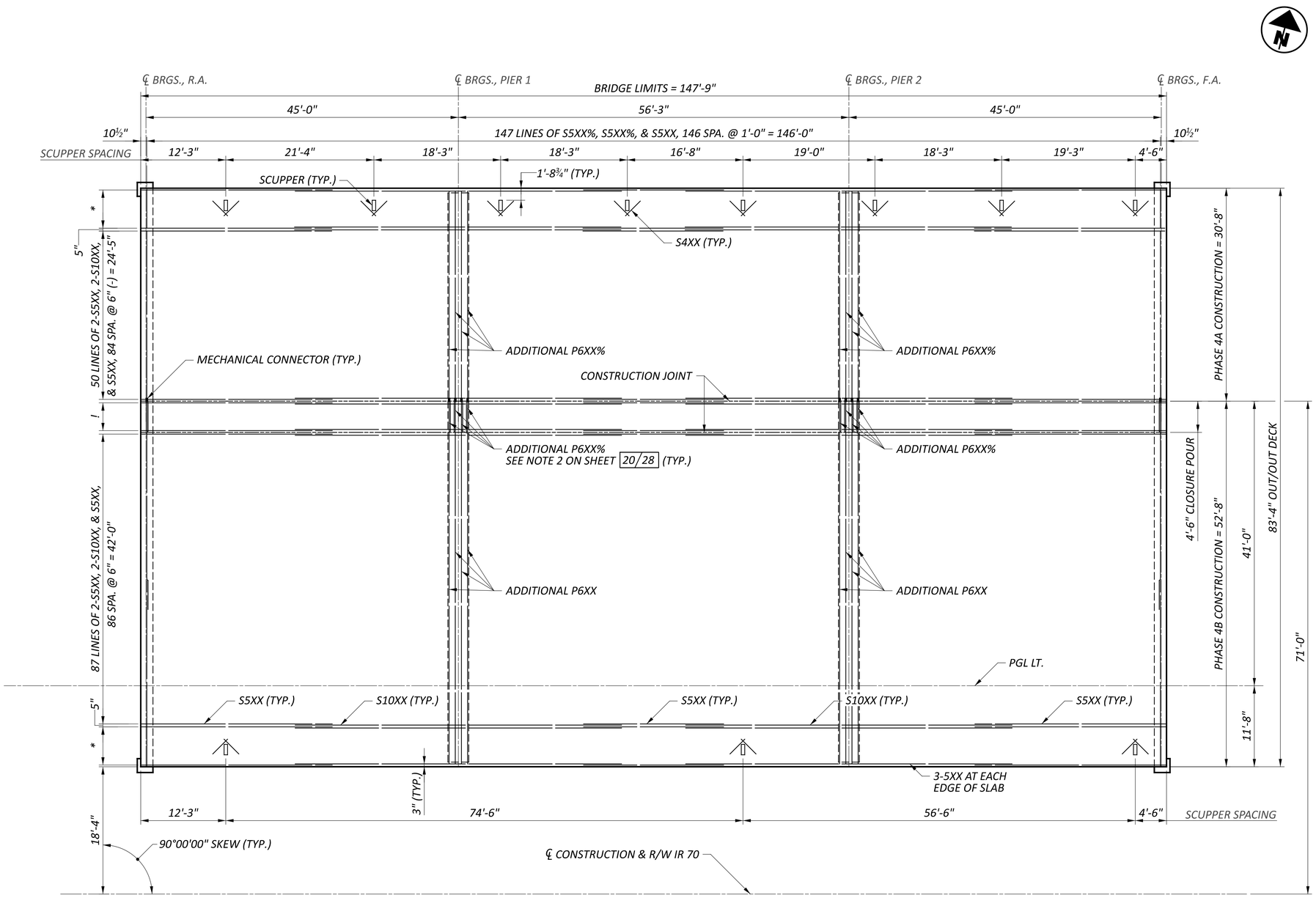

PLAN (TOP REINFORCING)

NOTES

1. REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.
2. S4XX BARS SHALL NOT BE LAPPED WITH THE ADDITIONAL S6XX BARS PROVIDED AT THE ABUTMENTS AND PIERS.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #6 BAR = 52 INCHES
4. REINFORCE THE CONCRETE DECK AT THE TWO SCUPPER CORNERS OPPOSITE THE CURBLINE WITH ONE S4XX BAR, 3'-0" LONG ORIENTED AT 45° TO THE LONG AXIS OF THE SCUPPER AND LOCATED JUST BELOW THE TRANSVERS BARS IN THE TOP MAT OF STEEL. S4XX BARS SHALL BE INCLUDED WITH ITEM 519 FOR PAYMENT.
5. TRIM REINFORCING STEEL AT SCUPPERS AS NEEDED TO MAINTAIN CLEARANCE.

LEGEND

* - 15 LINES OF 2-S5XX, 2-S10XX & 2-S5XX, 14 SPA. @ 5"(-) = 5'-6"

! - 9 LINES OF 2-S5XX, 2-S10XX, & S5XX, 8 SPA. @ 6" = 4'-0"

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

SLAB TOP REINFORCEMET PLAN
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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SFN 2301564

DESIGN AGENCY CARPENTER MARTY

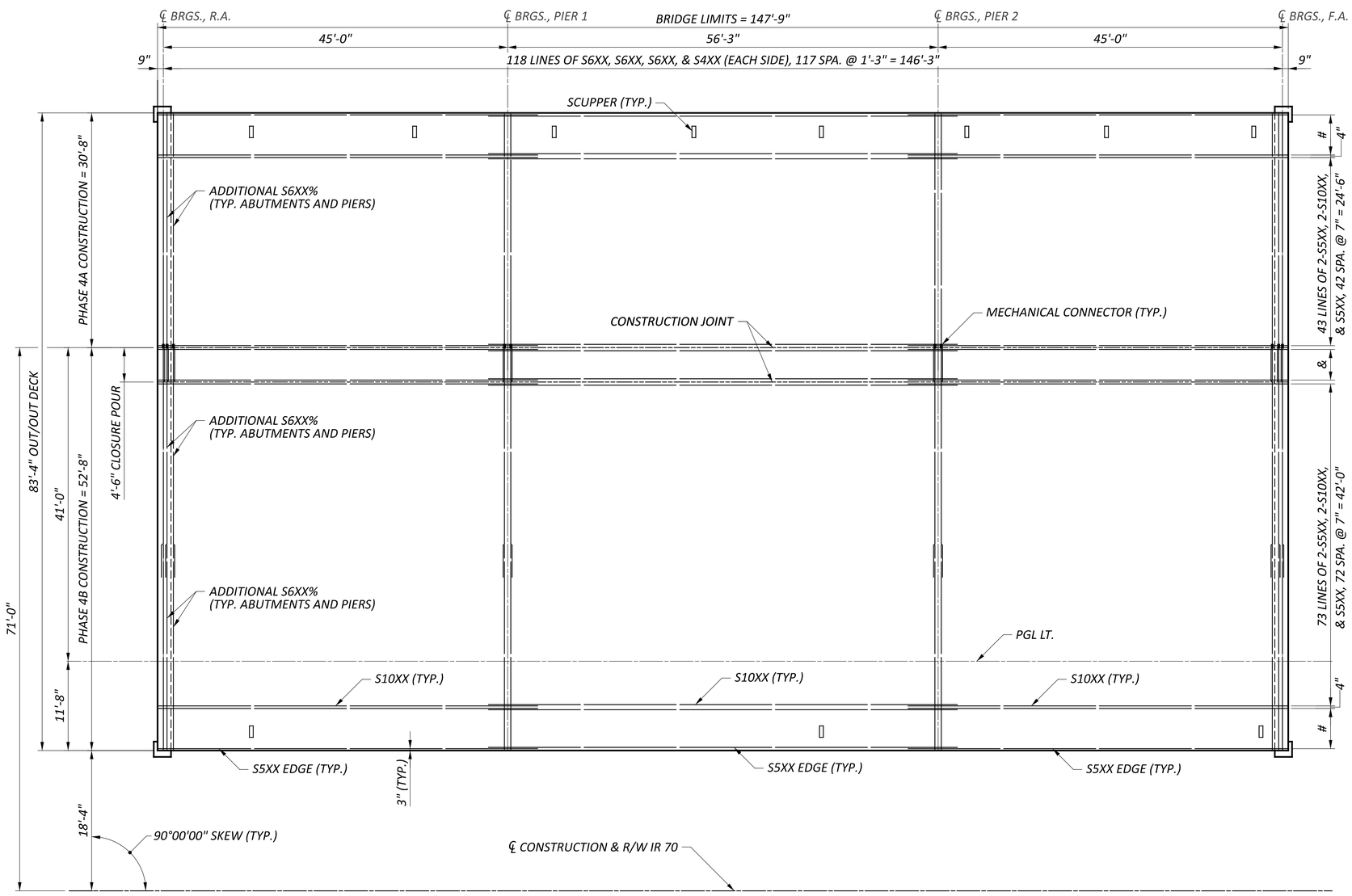
DESIGNER	CHECKER
SMH	AMR

REVIEWER GDJ 4-21-25

PROJECT ID 96808

SUBSET	TOTAL
19	28

SHEET	TOTAL
P.1270	P.1556



PLAN (BOTTOM REINFORCING)

NOTES

1. REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.
2. S4XX BARS SHALL NOT BE LAPPED WITH THE ADDITIONAL S6XX BARS PROVIDED AT THE ABUTMENTS AND PIERS.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #6 BAR = 52 INCHES
4. REINFORCE THE CONCRETE DECK AT THE TWO SCUPPER CORNERS OPPOSITE THE CURBLINE WITH ONE S4XX BAR, 3'-0" LONG ORIENTED AT 45° TO THE LONG AXIS OF THE SCUPPER AND LOCATED JUST BELOW THE TRANSVERS BARS IN THE TOP MAT OF STEEL. S4XX BARS SHALL BE INCLUDED WITH ITEM 519 FOR PAYMENT.
5. TRIM REINFORCING STEEL AT SCUPPERS AS NEEDED TO MAINTAIN CLEARANCE.

LEGEND

- 12 LINES OF 2-S10XX & S10XX, 11 SPA. @ 6" = 5'-6"

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

$ - 8-LINES OF 2-S5XX, 2-10XX & S5XX, 7 SPA. @ 7" = 4'-1"

SLAB BOTTOM REINFORCEMENT PLAN
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY engineering

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 4-22-25

PROJECT ID: 96808

SUBSET	TOTAL
20	28

SHEET	TOTAL
P.1271	P.1556

FAI/LIC-IR 70-0.00/0.00

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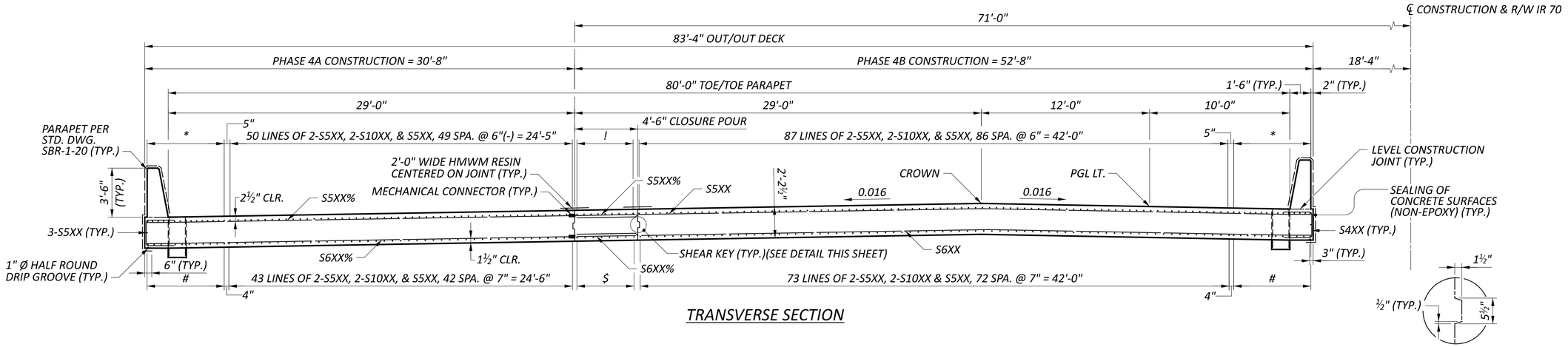
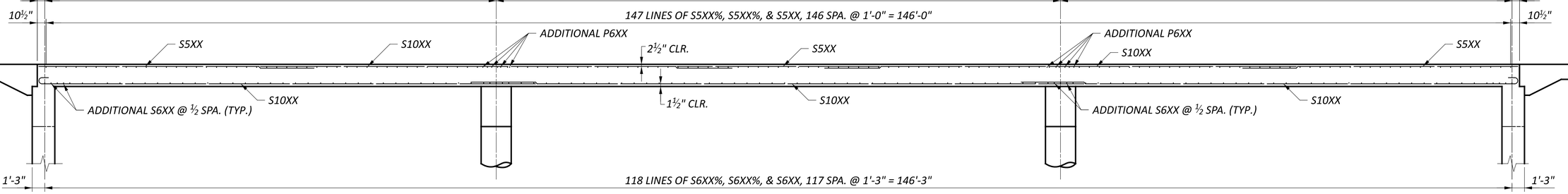
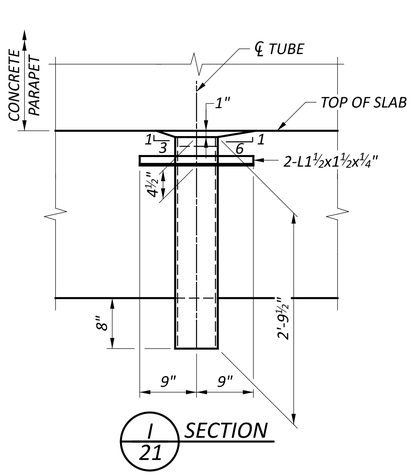


TRANSVERSE SECTION

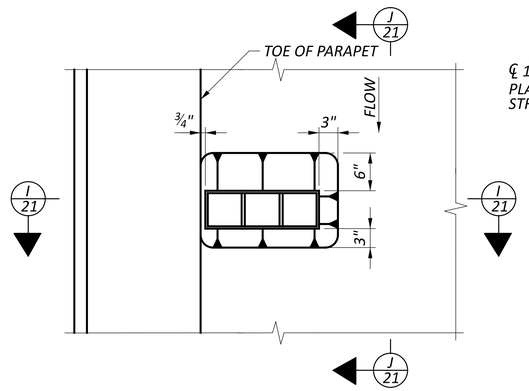
SHEAR KEY DETAIL



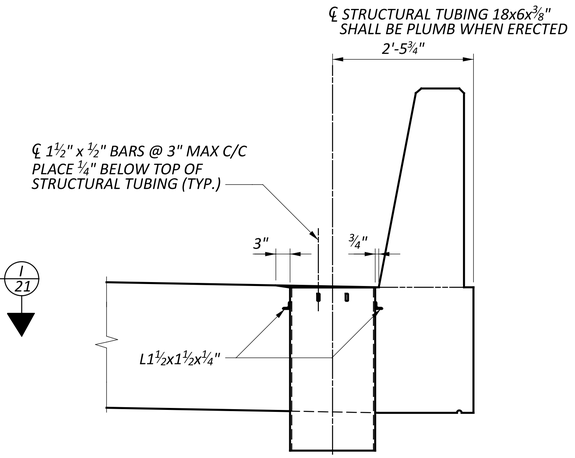
SLAB ELEVATION



I / 21 SECTION



SCUPPER PLAN



J / 21 SECTION

NOTES

1. REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.
2. PAYMENT FOR 2'-0" WIDE RESIN CENTERED ON TOP OF DECK CONSTRUCTION JOINTS SHALL BE INCLUDED WITH ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE.

LEGEND

* - 15 LINES OF 2-S5XX, 2-S10XX & S5XX, 14 SPA. @ 5"(-) = 5'-6"

\# - 12 LINES OF 2-S10XX & S10XX, 11 SPA. @ 6" = 5'-6"

! - 9 LINES OF 2-S5XX, 2-S10XX & S5XX, 8 SPA. @ 6" = 4'-0"

$ - 8 LINES OF 2-S5XX, 2-S10XX & S5XX, 7 SPA. @ 7" = 4'-1"

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

TRANSVERSE SECTION AND SLAB ELEVATION
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN	2301564
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 4-22-25
PROJECT ID	96808
SUBSET	21
TOTAL	28
SHEET	P.1272
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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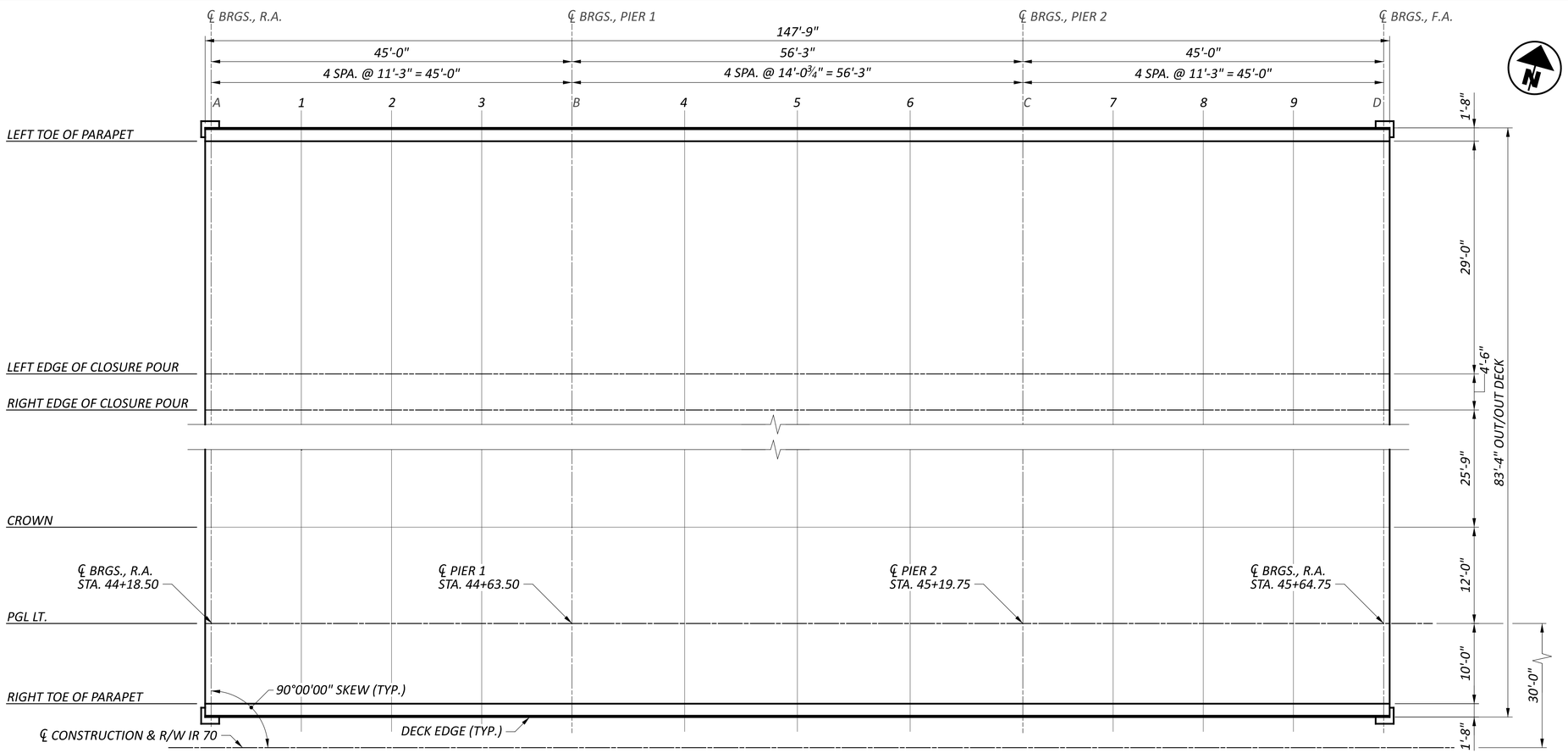
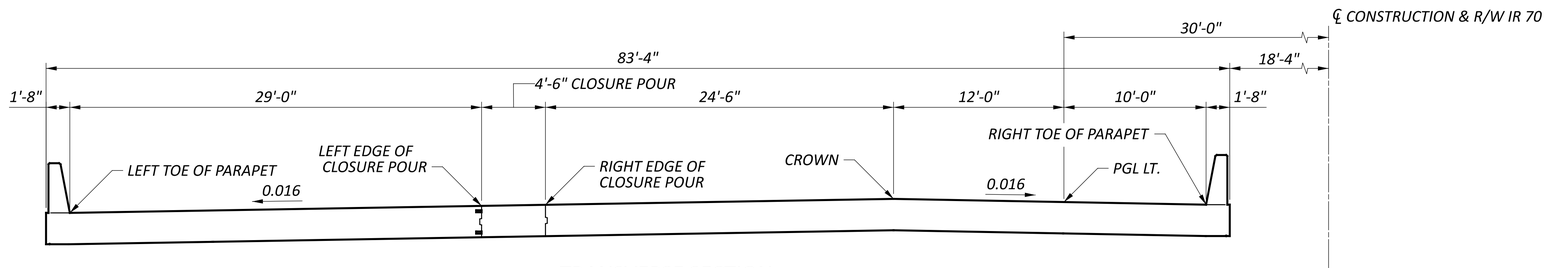


PLAN



TRANSVERSE SECTION

FINAL DECK SURFACE ELEVATIONS TABLE (FT.)

LOCATION	DESCRIPTION	A	1	2	3	B	4	5	6	C	7	8	9	D
LEFT TOE OF PARAPET	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.62	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.13	835.08	835.05	835.02	835.00	834.98	834.96	834.96	834.96	834.97	834.99	835.01	835.04
LEFT EDGE OF CLOSURE POUR	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.62	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.59	835.55	835.52	835.49	835.47	835.45	835.43	835.43	835.43	835.44	835.46	835.48	835.51
RIGHT EDGE OF CLOSURE POUR	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.62	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.66	835.62	835.59	835.56	835.54	835.52	835.50	835.50	835.50	835.51	835.53	835.55	835.58
CROWN	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.62	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	836.05	836.01	835.98	835.95	835.93	835.91	835.89	835.89	835.89	835.90	835.92	835.94	835.97
PGL LT.	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.62	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.86	835.82	835.79	835.76	835.74	835.72	835.70	835.70	835.70	835.71	835.73	835.75	835.78
RIGHT TOE OF PARAPET	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.62	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.70	835.66	835.63	835.60	835.58	835.56	835.54	835.54	835.54	835.55	835.57	835.59	835.62

NOTE

FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.

FINAL DECK ELEVATIONS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564
DESIGN AGENCY CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER GDJ 4-22-25
PROJECT ID 96808
SUBSET 22 TOTAL 28
SHEET P.1273 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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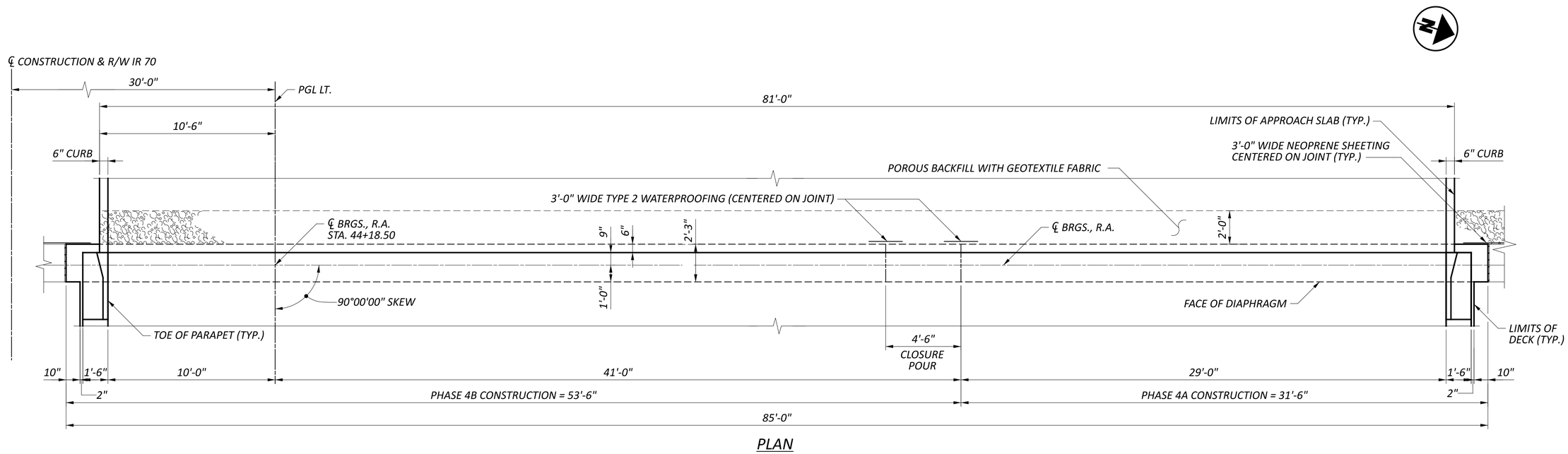
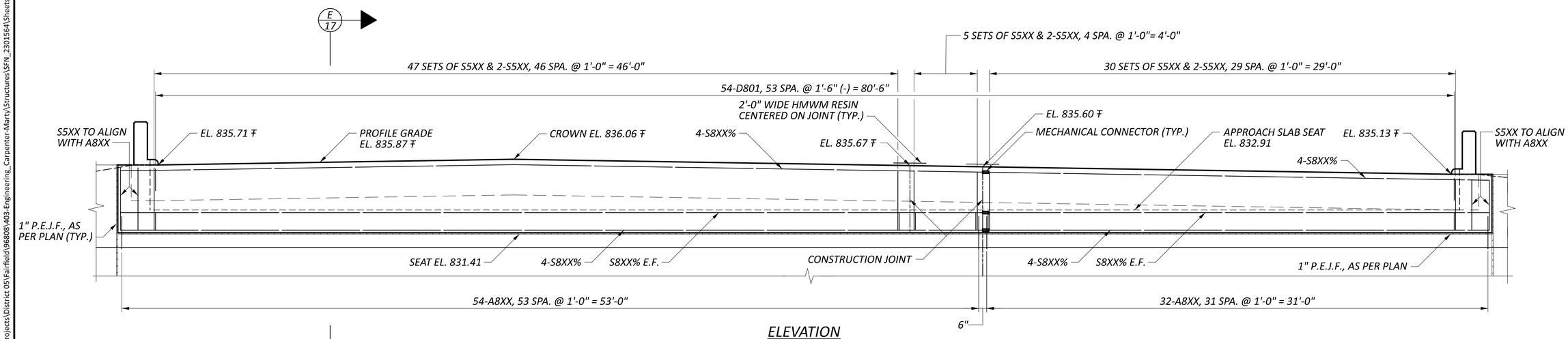


PLAN



ELEVATION

LEGEND

₸ - ELEVATION TAKEN AT BRIDGE LIMITS

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

E.F. - EACH FACE

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #8 BAR = 64 INCHES
3. PAYMENT FOR 2'-0" WIDE HMWM RESIN CENTERED ON TOP OF DECK CONSTRUCTION JOINTS SHALL BE INCLUDED WITH ITEM 511- CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE.

REAR ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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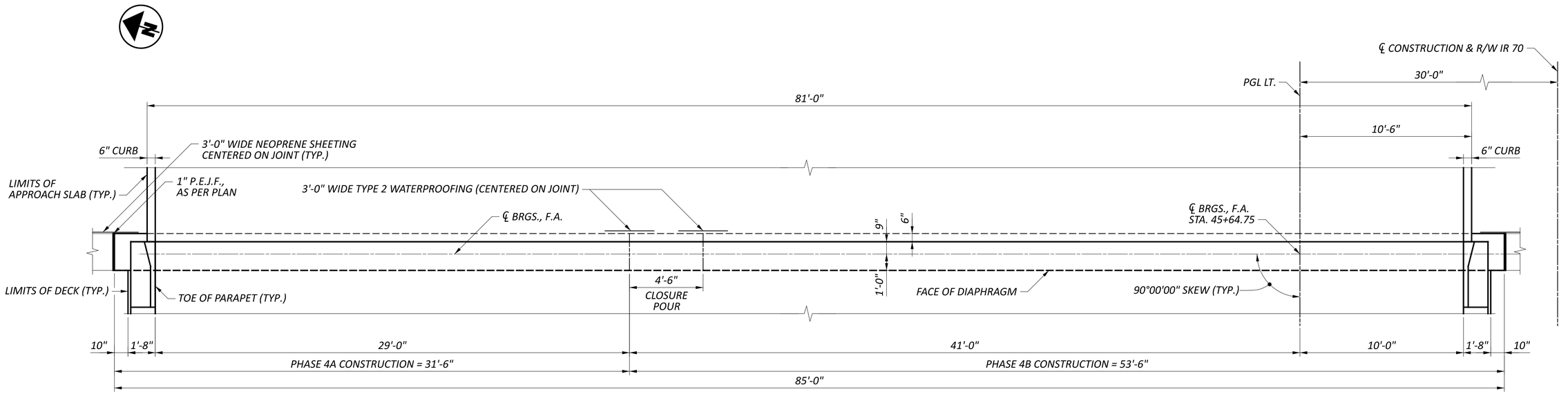
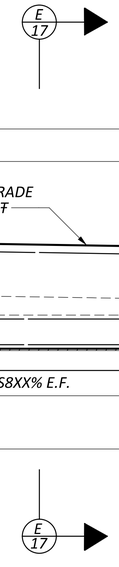
SFN	2301564
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 4-22-25
PROJECT ID	96808
SUBSET	23
TOTAL	18
SHEET	P.1274
TOTAL	P.1556



PLAN



ELEVATION

LEGEND

₮ - ELEVATION TAKEN AT BRIDGE LIMITS

% - BAR TO UTILIZE A MECHANICAL CONNECTOR

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #8 BAR = 64 INCHES
3. PAYMENT FOR 2'-0" WIDE RESIN CENTERED ON TOP OF DECK CONSTRUCTION JOINTS SHALL BE INCLUDED WITH ITEM 511 - CLASS QC3 CONCRETE WITH QC/QA, SUPERSTRUCTURE.

FORWARD ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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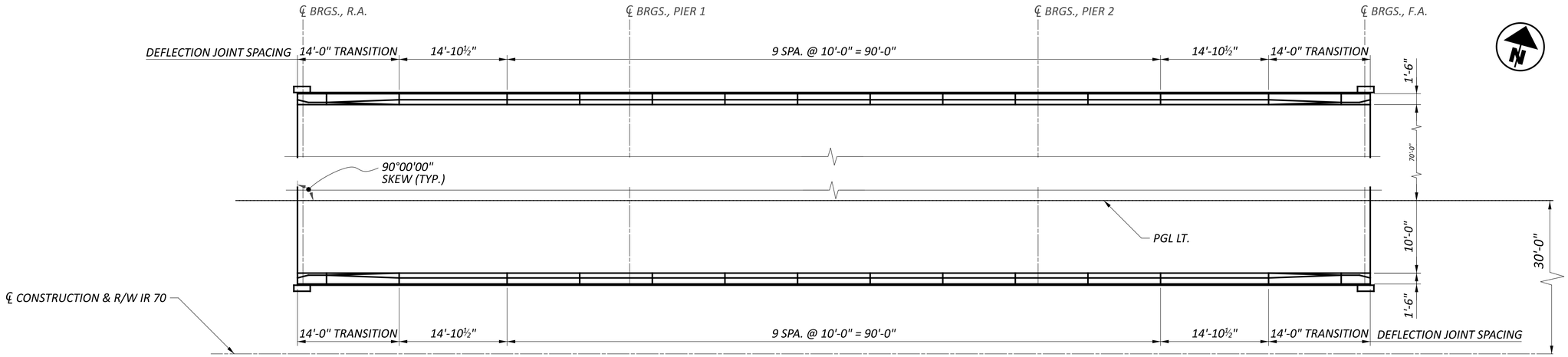
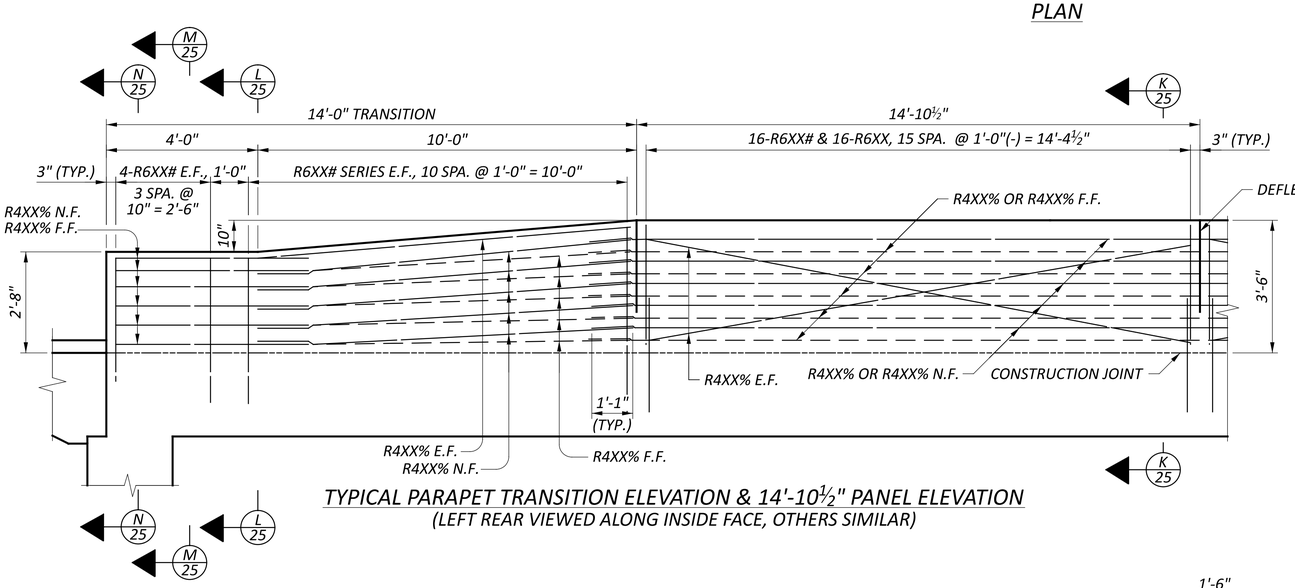
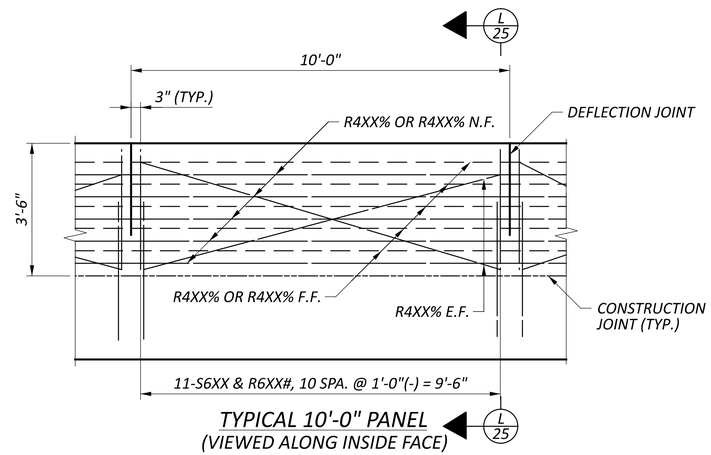
SFN 2301564
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER SMH | CHECKER AMR
REVIEWER GDJ 4-23-25
PROJECT ID 96808
SUBSET 24 | TOTAL 28
SHEET P.1275 | TOTAL P.1556

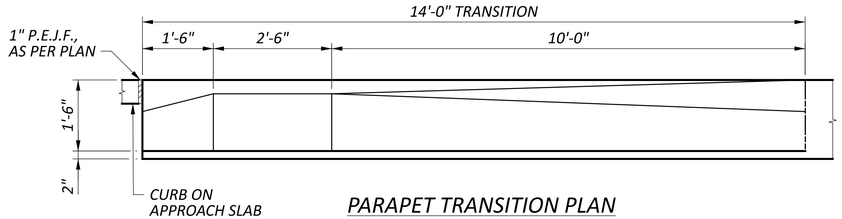




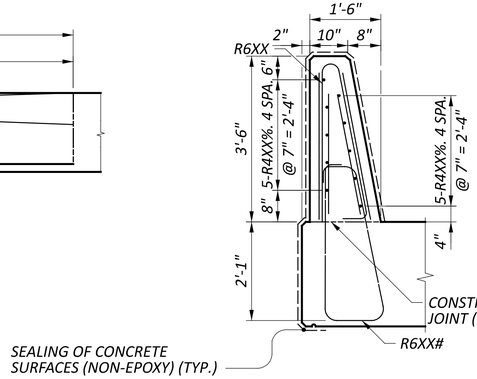
TYPICAL PARAPET TRANSITION ELEVATION & 14'-10½" PANEL ELEVATION
(LEFT REAR VIEWED ALONG INSIDE FACE, OTHERS SIMILAR)

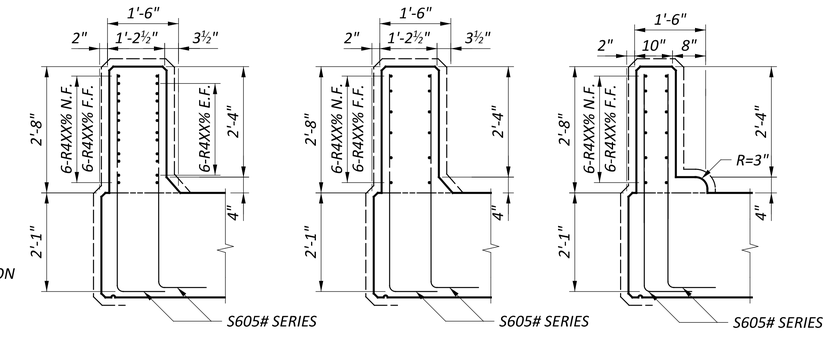


TYPICAL 10'-0" PANEL
(VIEWED ALONG INSIDE FACE)



PARAPET TRANSITION PLAN
RIGHT REAR SHOWN, FORWARD SIMILAR





LEGEND

E.F. - EACH FACE

N.F. - NEAR FACE

F.F. - FAR FACE

% - DENOTES BAR TO BE GLASS FIBER REINFORCED POLYMER (GFRP)

- BAR SHALL BE PLACED PRIOR TO POURING BRIDGE DECK

NOTES

1. REFER TO STD. DWG. SBR-1-20 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #4 GFRP BAR = 13 INCHES

K 25 SECTION

L 25 SECTION

M 25 SECTION

N 25 SECTION

PARAPET DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 4-23-25

PROJECT ID: 96808

SUBSET	TOTAL
25	28

SHEET	TOTAL
P.1276	P.1556

FAI/LIC-IR 70-0.00/0.00

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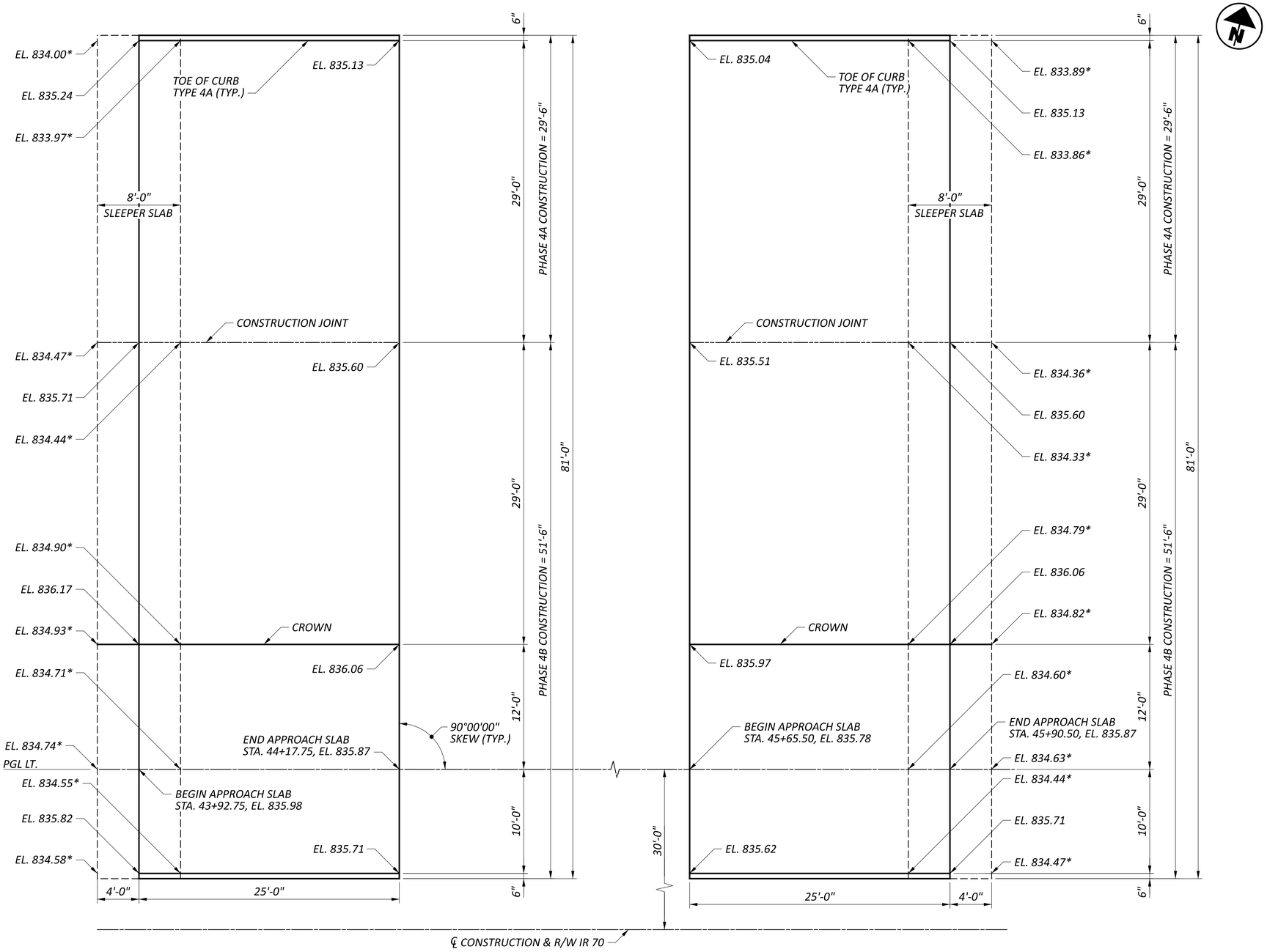


REAR APPROACH SLAB PLAN

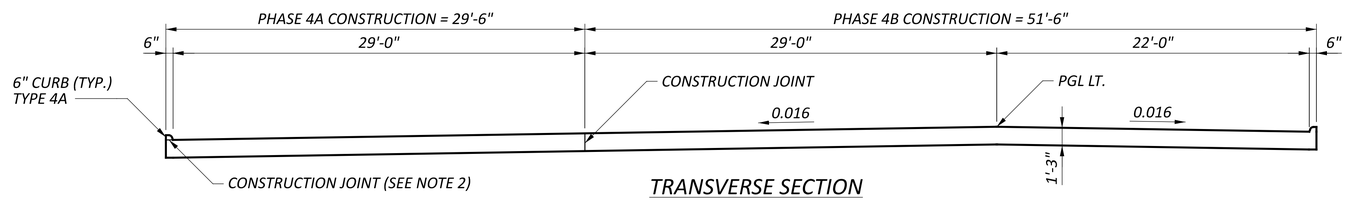
FORWARD APPROACH SLAB PLAN

LEGEND

* - TOP OF SLEEPER SLAB ELEVATION

NOTES

1. REFER TO STD. DWG. AS-1-15 AND AS-2-15 FOR ADDITIONAL NOTES AND DETAILS.
2. LEFT CURB SHALL BE CONSTRUCTED AFTER PHASE 4B CONSTRUCTION IS COMPLETE.
3. LAP SPLICES AND/OR MECHANICAL CONNECTORS ARE INCLUDED FOR PAYMENT WITH ITEM 526 REINFORCED CONCRET APPROACH SLABS (T=15") AND ITEM 526 TYPE A INSTALLATION



TRANSVERSE SECTION

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN	2301564
DESIGN AGENCY	CARPENTER MARTY engineering
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 4-23-25
PROJECT ID	96808
SUBSET	26
TOTAL	28
SHEET	P.1277
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
SUPERSTRUCTURE (EPOXY COATED STEEL REINFORCEMENT - ECSR)												
	ECSR											
SUPERSTRUCTURE ECSR SUBTOTAL												

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
RAILING (EPOXY COATED STEEL REINFORCEMENT - ECSR)												
	ECSR											
RAILING ECSR SUBTOTAL												

BAR MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT			TYPE	DIMENSIONS						
		PIER 1	PIER 2	TOTAL		PIER 1	PIER 2	TOTAL		A	B	C	D	E	R	INC
PIERS (EPOXY COATED STEEL REINFORCEMENT - ECSR)																
	ECSR															
PIER ECSR SUBTOTAL																

NOTES

1. THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A NO. 5 BAR. BAR DIMENSIONS ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.

2. REFER TO SHEET 28/28 FOR BENDING DIAGRAMS.

CONCRETE REINFORCEMENT BAR LIST
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER GDJ 4-23-25

PROJECT ID 96808

SUBSET	TOTAL
27	28

SHEET	TOTAL
P.1278	P.1556

FAI/LIC-IR 70-0.00/0.00

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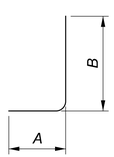
BAR MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
		REAR	FWD	TOTAL				A	B	C	D	E	R	INC
ABUTMENTS (EPOXY COATED STEEL REINFORCEMENT - ECSR)														
	ECSR													
ABUTMENT ECSR SUBTOTAL														

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
RAILING (GLASS FIBER REINFORCED POLYMER REINFORCEMENT - GFRP)												
	GFRP											
SUPERSTRUCTURE GFRP SUBTOTAL												

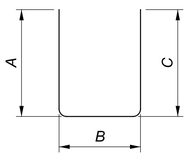
NOTE

THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A NO. 5 BAR. BAR DIMENSIONS ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.

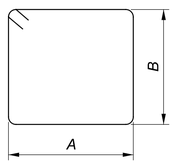
BENDING DIAGRAM



TYPE-1



TYPE-2



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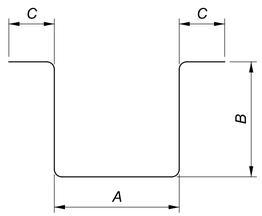

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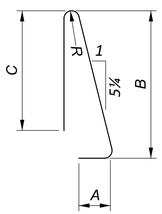

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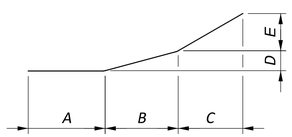

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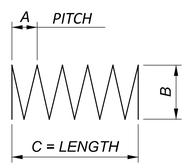

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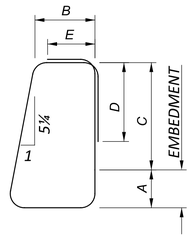

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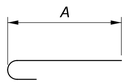

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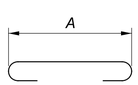

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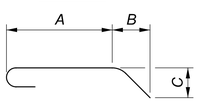
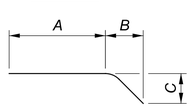


TYPE-18



TYPE-19

CONCRETE REINFORCEMENT BAR LIST
BRIDGE NO. FAI-00070-00.840 L
IR 70 OVER BLACKLICK CREEK

SFN	2301564
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 2-23-25
PROJECT ID	96808
SUBSET	28
TOTAL	28
SHEET	P.1279
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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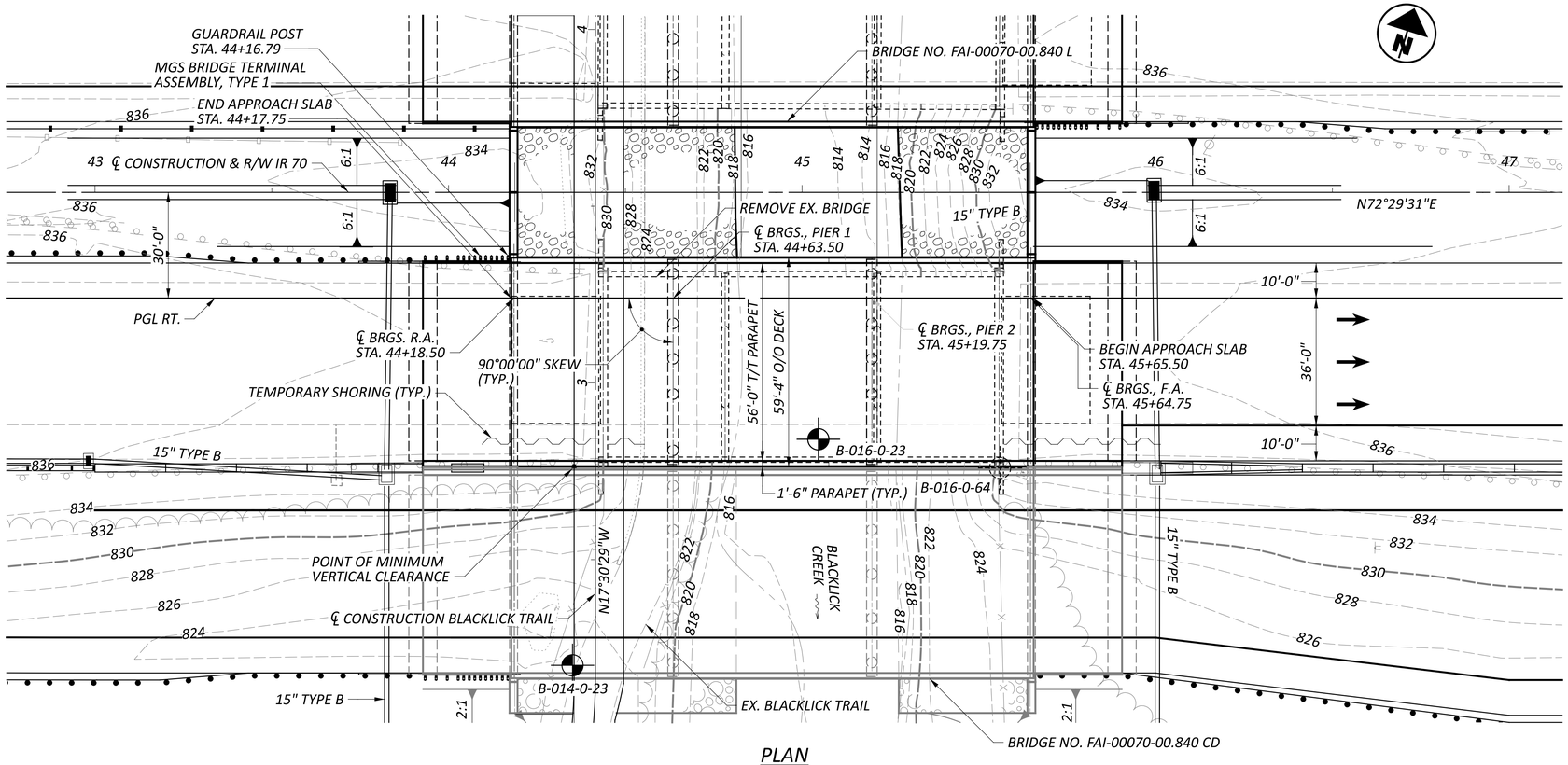
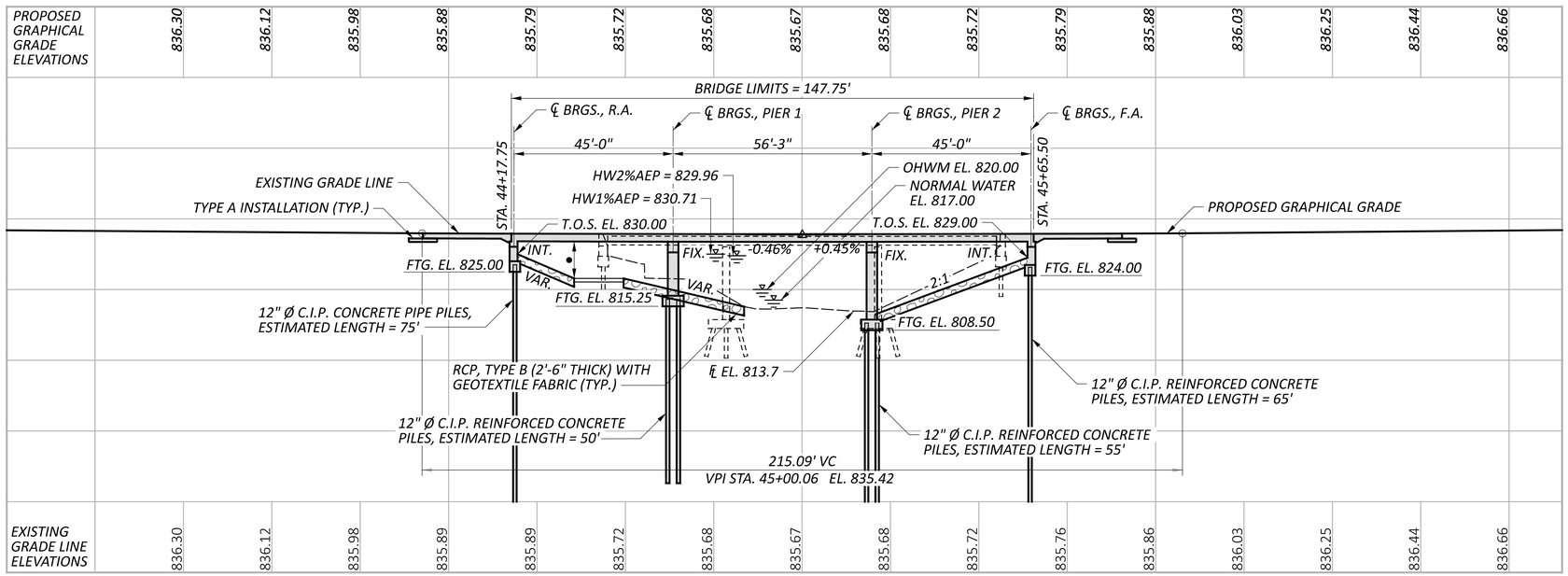


PLAN



PROFILE - ALONG PGL RT.

CONTROL POINT DATA

CP 2007 STA.	29+06.08	ELEV.	861.79	OFFSET	109.12′	RT.
CP 2008 STA.	35+84.10	ELEV.	851.61	OFFSET	113.98′	RT.
CP 2009 STA.	76+56.01	ELEV.	890.18	OFFSET	141.75′	LT.

FOR ADDITIONAL CONTROL POINT INFORMATION SEE ROADWAY PLAN SHEET P.0020 / P.1556.

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2030 ADT = 56680 2030 ADTT = 6802
2050 ADT = 76150 2050 ADTT = 9138
DIRECTIONAL DISTRIBUTION = 50%

LEGEND

- 9'-0" PREFERRED MINIMUM VERTICAL CLEARANCE
  10'-1½" ACTUAL MINIMUM VERTICAL CLEARANCE

PROJECT BORING LOCATION

HISTORIC BORING LOCATION

HYDRAULIC DATA

DRAINAGE AREA = 42.27 SQ. MILES
Q (2% AEP) = 8,696 CFS (FIS) V (2% AEP) = 8.18 FT/S
Q (1% AEP) = 10,000 CFS (FIS) V (1% AEP) = 8.84 FT/S
STRUCTURE CLEARS THE 2% AEP DESIGN BY 3.15 FEET.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
SPANS: 34'-6"±, 43'-0"±, 34'-6"± (C/C BEARINGS)
ROADWAY: 51'-0"± TOE/TOE PARAPET
LOADING: CF 2000 (57)
SKEW: NONE
WEARING SURFACE: 1¾"± SDC OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: TANGENT
CROWN: 0.016± FT/FT
STRUCTURE FILE NUMBER: 2301598
DATE BUILT: 1967 REHABILITATED: 1989
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: 3 SPAN CONTINUOUS REINFORCED CONCRETE SLAB SUPPORTED ON REINFORCED CONCRETE ABUTMENTS AND CAP AND COLUMN PIERS
SPANS: 45'-0", 56'-3", 45'-0" (C/C BEARINGS)
ROADWAY: 56'-0" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL-93
FUTURE WEARING SURFACE: 0.06 KSF
SKEW: NONE
APPROACH SLABS: 25'-0" LONG, 15" THICK (AS-1-15, AS-2-15 TYPE A)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 8,766 SF
COORDINATES: LATITUDE 39°55'54.9" N
LONGITUDE 82°47'45.2" W

HORIZONTAL SCALE IN FEET
0 10 20 40

SITE PLAN
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER SMH | CHECKER AMR
REVIEWER GDJ 4-25-25
PROJECT ID 96808
SUBSET 1 | TOTAL 22
SHEET P.1280 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

AS-1-15	REVISED	1-20-2023
AS-2-15	REVISED	7-21-2023
CPA-1-08	REVISED	1-19-2024
CS-1-24	DATED	7-19-2024
PCB-91	REVISED	7-17-2020
SBR-1-20	REVISED	7-19-2024

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:

846	DATED	4-17-2015

DESIGN LOADING

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.06 KIPS/FT^2

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2024.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA

CONCRETE CLASS QC2 WITH QC/QA - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE AND PIER CAPS)

CONCRETE CLASS QC1 WITH QC/QA - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY-COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI (SUBSTRUCTURE, SUPERSTRUCTURE, APPROACH SLAB)

GFRP REINFORCEMENT (PARAPETS)

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

STEEL SHEET PILING - ASTM A572 GRADE 50 - YIELD STRENGTH 50 KSI

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

PILE DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE (UBV) IS 289 KIPS PER PILE FOR THE REAR ABUTMENT. THE UBV IS 335 KIPS PER PILE FOR THE PIER 1 PILES. THE UBV IS 309 KIPS PER PILE FOR THE PIER 2 PILES. THE UBV FOR THE REAR ABUTMENT INCLUDES AN ADDITIONAL 32 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 16 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. THE UBV FOR PIER 1 INCLUDES AN ADDITIONAL 27 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 8 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. THE UBV FOR PIER 2 INCLUDES AN ADDITIONAL 1 KIP PER PILE DUE TO THE POSSIBILITY OF LOSING 2 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR.

REAR ABUTMENT PILES:
12 INCH DIAMETER PILES 80 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 1 PILES:
12 INCH DIAMETER PILES 55 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 2 PILES:
12 INCH DIAMETER PILES 60 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

FORWARD ABUTMENT PILES:
12 INCH DIAMETER PILES 70 FEET LONG, ORDER LENGTH

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.250" FOR THE ABUTMENTS AND PIER 2 CAST-IN-PLACE REINFORCED CONCRETE PILES, AND A WALL THICKNESS OF 0.312" FOR THE PIER 1 PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP

THE UBV IS 298 KIPS PER PILE FOR THE 12 INCH DIAMETER FORWARD ABUTMENT PILES. THE UBV FOR THE FORWARD ABUTMENT INCLUDES AN ADDITIONAL 42 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 16 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

DRIVE THE FIRST TWO PILES AT THE FORWARD ABUTMENT TO THE FULL ESTIMATED LENGTH OF 65 FEET. PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATES A PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF 7 DAYS. INCLUDE THE WAITING PERIOD AS A SEPARATE ACTIVITY IN THE PROGRESS SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

IF THE RESTRIKE TEST RESULTS INDICATE THAT EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FOR THE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

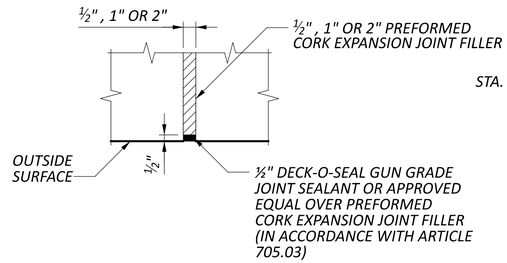
IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER C&MS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 DYNAMIC LOAD TESTING AND A QUANTITY OF ONE EACH ITEM 523 RESTRIKE FOR THE FORWARD ABUTMENT.

ITEM 516 - ½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN
ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN

ALL ½" P.E.J.F., AS PER PLAN, 1" P.E.J.F., AS PER PLAN, AND 2" P.E.J.F., AS PER PLAN CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER ½" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE-JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION OR MAXIMUM EFFECTIVENESS.

DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

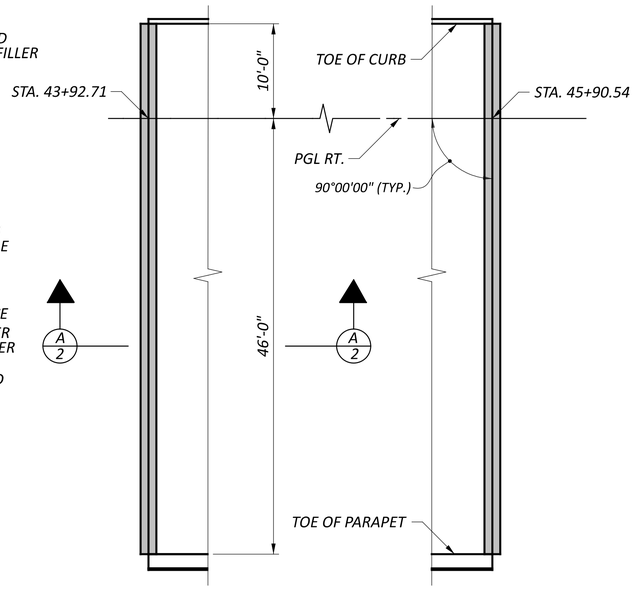


PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - ½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, AND ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

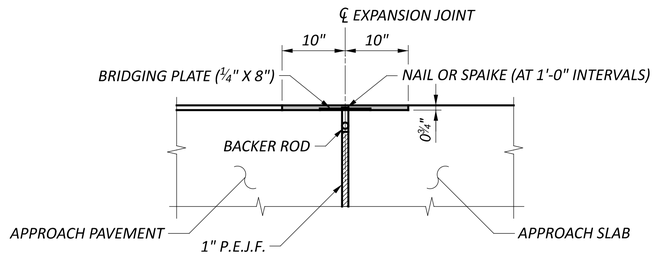
SCOUR ELEVATIONS

THE DESIGN FLOOD AND CHECK FLOOD SCOUR ELEVATIONS ARE PROVIDED BELOW:

	REAR ABUTMENT	PIER 1	PIER 2	FORWARD ABUTMENT
DESIGN FLOOD	809.59	807.12	807.12	808.35
CHECK FLOOD	809.63	806.87	806.87	808.19



POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM PLAN
STATIONS SHOWN ARE TAKEN AT ℄ OF EXPANSION JOINT



A/2 SECTION

GENERAL NOTES
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER MME | CHECKER STK
REVIEWER GDJ 2-28-25
PROJECT ID 96808
SUBSET 2 | TOTAL 22
SHEET P.1281 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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DESIGN: DATE:		CHECK: DATE:		ESTIMATED QUANTITIES					
ABUTMENTS	PIERS	SUPERSTRUCTURE	GENERAL	ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				202	11002	LS	-	STRUCTURE REMOVED, OVER 20 FOOT SPAN	
				202	22900	SY		APPROACH SLAB REMOVED	
				503	11101	LS	-	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	17
				503	21100	LS	-	UNCLASSIFIED EXCAVATION	
				505	11100	LS	-	PILE DRIVING EQUIPMENT MOBILIZATION	
				507	00500	0	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
				507	00550	0	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
				509	10000	0	LB	EPOXY COATED STEEL REINFORCEMENT	
				509	30020	0	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
				511	33312	0	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
				511	34450	0	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
				511	41012	0	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	
				511	43512	0	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	
				511	46512	0	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
				512	10050	0	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
				512	33000	0	SY	TYPE 2 WATERPROOFING	
				516	13201	0	SF	½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	17
				516	13601	0	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	17
				516	13901	0	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	17
				516	14014	0	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
				518	12500	0	EACH	SCUPPER, MISC.: SCUPPER, INCLUDING SUPPORTS	
				518	21200	0	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
				518	40000	0	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
				523	20000	0	EACH	DYNAMIC LOAD TESTING	
				523	20500	0	EACH	RESTRIKE	
				526	25011	0	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	19
				526	90010	0	FT	TYPE A INSTALLATION	
				846	00111	0	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, AS PER PLAN	17

ESTIMATED QUANTITIES
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER
GDJ 4-28-25

PROJECT ID
96808

SUBSET	TOTAL
3	22

SHEET	TOTAL
P.1282	P.1556

FAI/LIC-IR 70-0.00/0.00

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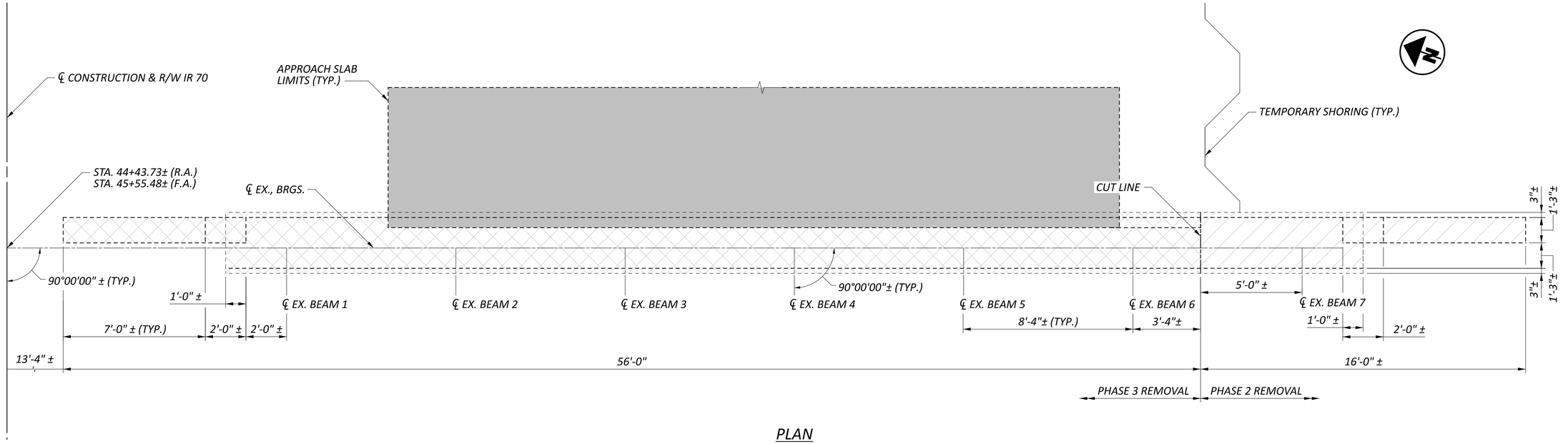
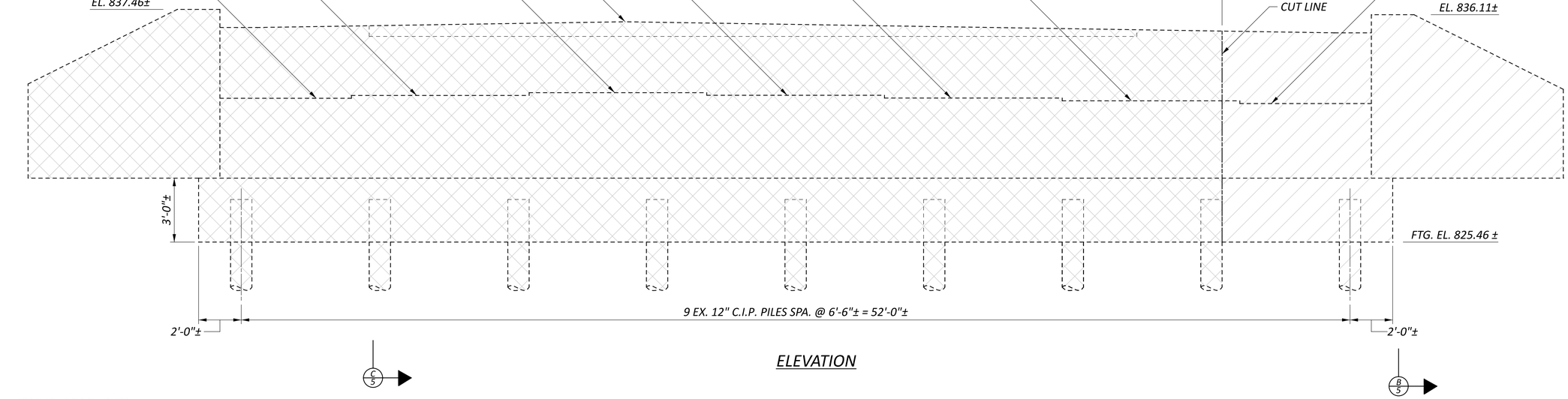


PLAN



ELEVATION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 2
- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 3
- APPROACH SLAB REMOVED

NOTES

1. FORWARD ABUTMENT SHOWN. REAR ABUTMENT OPPOSITE HAND.
2. REFER TO SHEET 7/22 FOR TEMPORARY SHORING DETAILS
3. REMOVE REAR ABUTMENT PILES TO A MINIMUM OF 1'-0" BELOW BLACKLICK TRAIL PAVEMENT.
4. REMOVE FORWARD ABUTMENT PILES TO A MINIMUM OF 1'-0" BELOW PROPOSED GROUND SURFACE.
5. SEE FAI-00070-00.840 L SHEET 5/28 THRU 8/28 FOR MAINTENANCE OF TRAFFIC DETAILS.

ABUTMENT REMOVAL DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY engineering

DESIGNER	CHECKER
SMH	AMR

REVIEWER GDJ 4-23-25

PROJECT ID 96808

SUBSET	TOTAL
4	22

SHEET	TOTAL
P.1283	P.1556

FAI/LIC-IR 70-0.00/0.00

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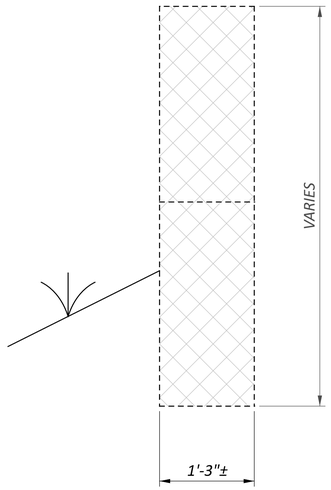
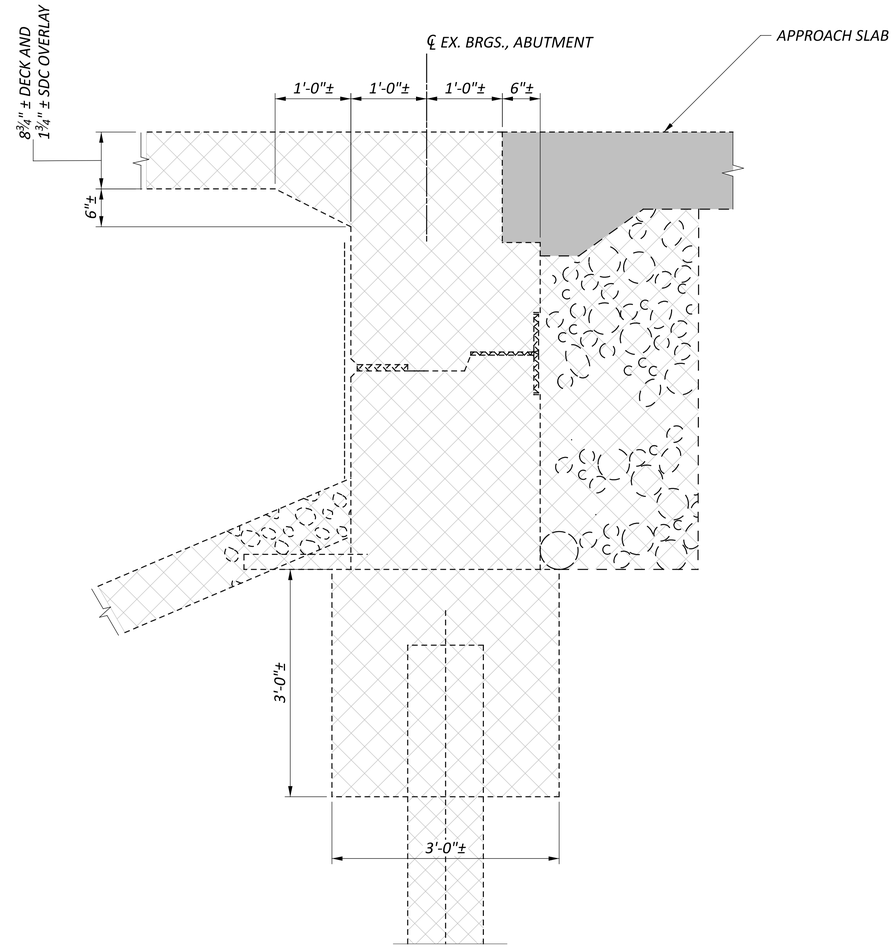


B/4 SECTION



C/4 SECTION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN

- APPROACH SLAB REMOVED

ABUTMENT SECTION REMOVAL DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

SFN 2301599

DESIGN AGENCY CARPENTER MARTY transportation

DESIGNER	CHECKER
MME	AMR

REVIEWER GDJ 4-26-25

PROJECT ID 96808

SUBSET	TOTAL
5	22

SHEET	TOTAL
P.1284	P.1556

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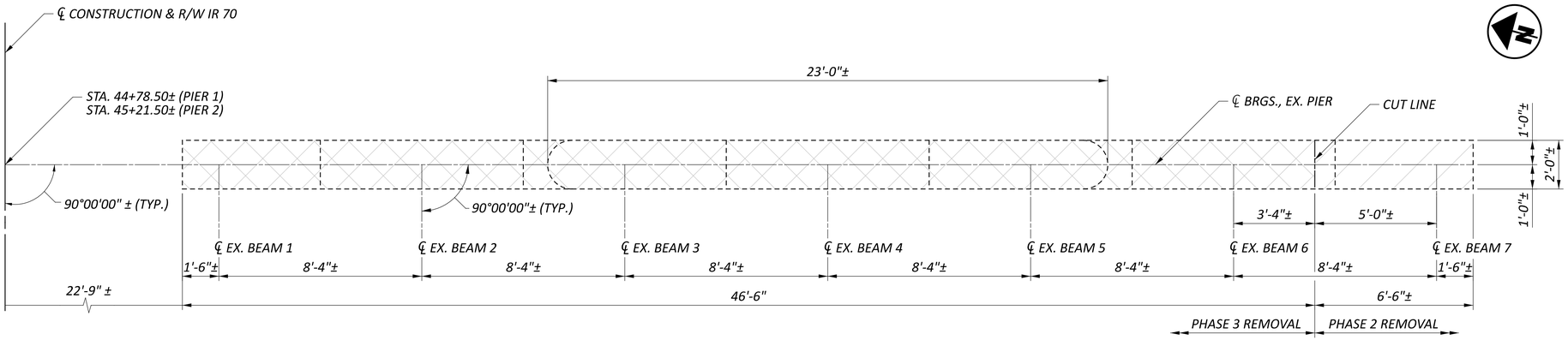
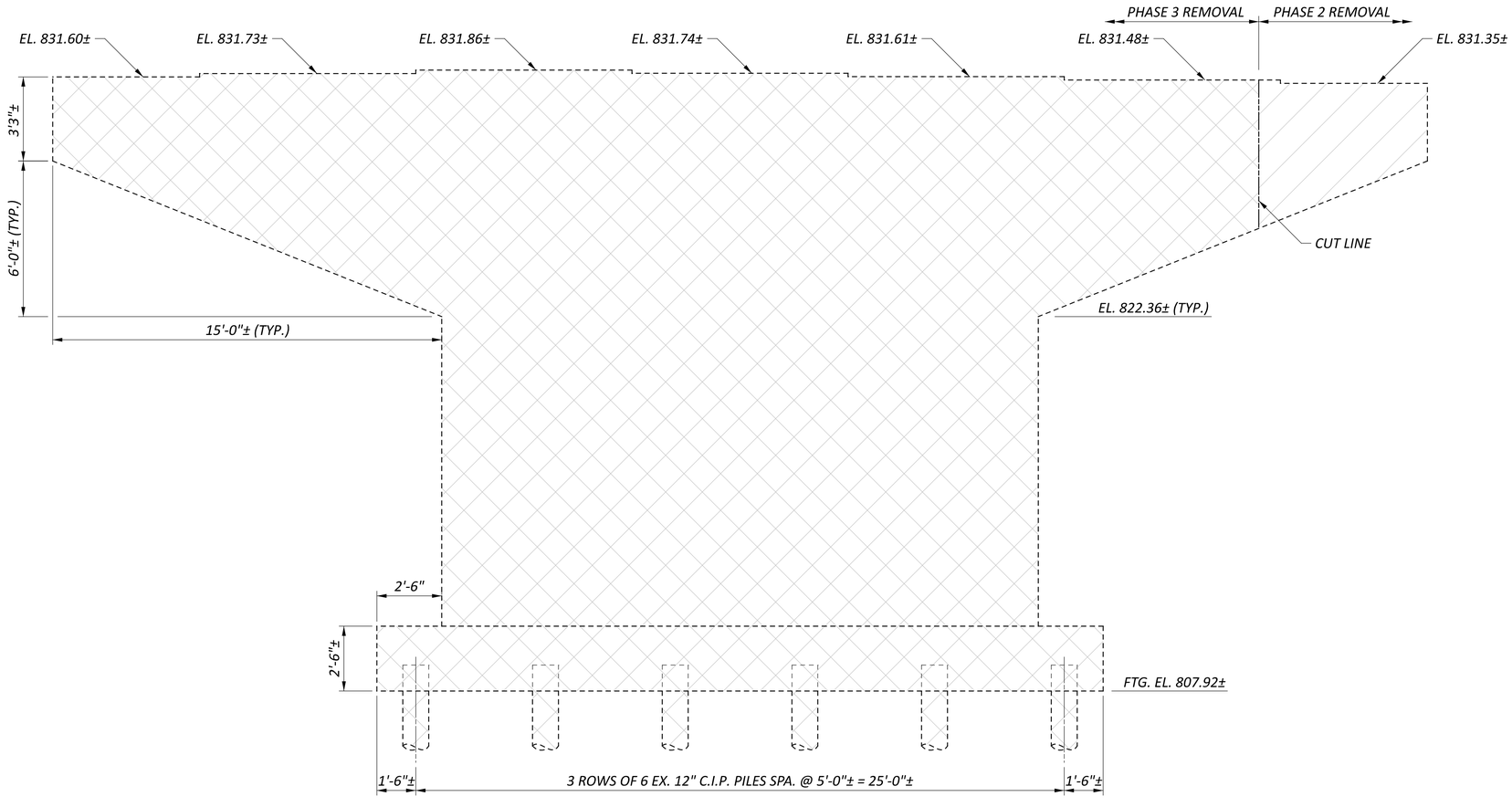


PLAN



ELEVATION

LEGEND

- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 2
- STRUCTURE REMOVED, OVER 20 FOOT SPAN - PHASE 3

NOTES

1. REMOVE PIER 1 PER C&MS 202.03
2. REMOVE PIER 2 IN ITS ENTIRELY INCLUDING PILES TO ELEVATION 808.50
3. SEE FAI-00070-00.840 L SHEET 5/28 THRU 8/28 FOR MAINTENANCE OF TRAFFIC DETAILS.

PIER REMOVAL DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN	2301599
DESIGN AGENCY	CARPENTER MARTY Transportation
DESIGNER	SMH
CHECKER	AMR
REVIEWER	GDJ 4-23-25
PROJECT ID	96808
SUBSET	6
TOTAL	22
SHEET	P.1285
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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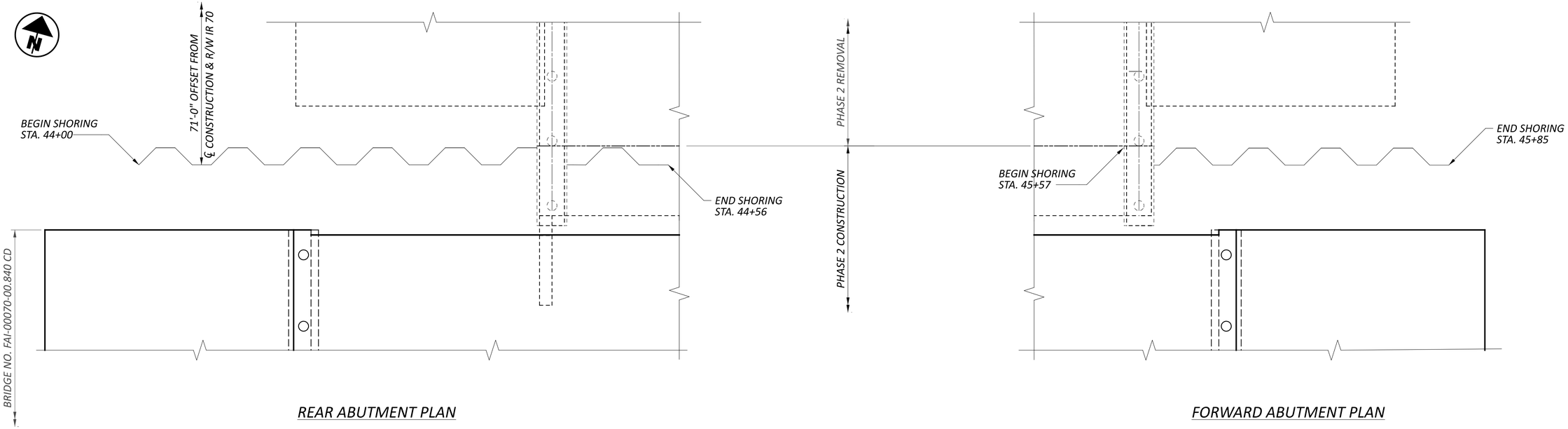
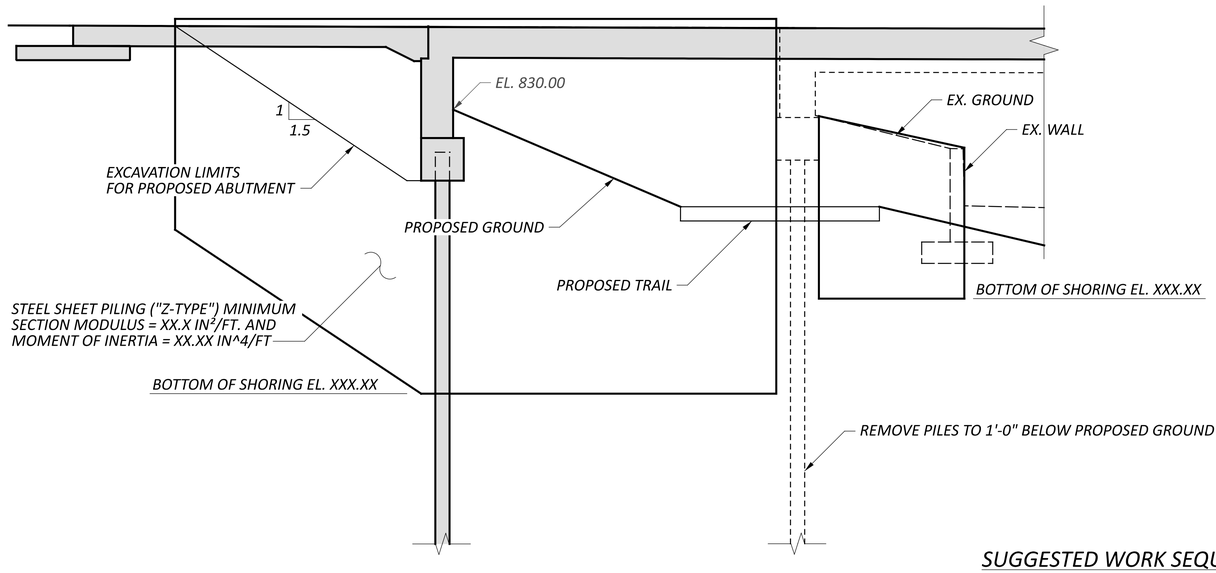


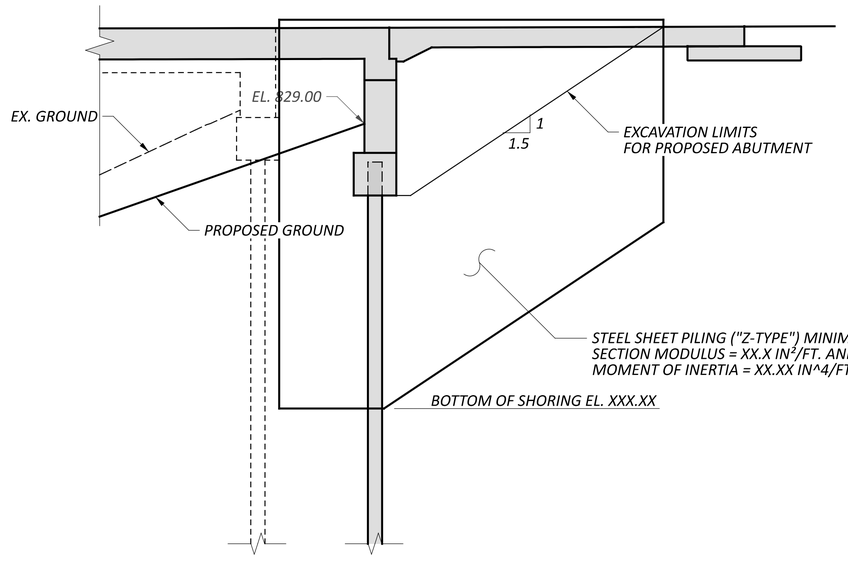
REAR ABUTMENT PLAN

FORWARD ABUTMENT PLAN

NOTE TO REVIEWER - SHEETING DEPTH, SECTION MODULUS, AND MOMENT INERTIA TO BE DETERMINED WHEN DESIGN PARAMETERS ARE PROVIDED



REAR ABUTMENT ELEVATION



FORWARD ABUTMENT ELEVATION

LEGEND

PROPOSED BRIDGE

NOTE

TOP OF SHORING SHALL BE A MINIMUM OF 6" ABOVE PROPOSED GROUND LINE.

SUGGESTED WORK SEQUENCE

1. REMOVE PORTIONS OF THE EXISTING APPROACH SLABS, PAVEMENT, AND EMBANKMENT TO ALLOW FOR INSTALLATION OF SHORING.
2. INSTALL SHORING.
3. COMPLETE CONSTRUCTION OF FAI-00070-00.840 CD BRIDGE.
4. REMOVE REMAINING PORTIONS OF EXISTING BRIDGE.
5. COMPLETE CONSTRUCTION OF FAI-00070-00.840 R AND FINAL GRADING.

TEMPORARY SHORING DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
AMR	MME

REVIEWER: GDJ 4-28-25

PROJECT ID: 96808

SUBSET	TOTAL
7	22

SHEET	TOTAL
P.1286	P.1556

FAI/LIC-IR 70-0.00/0.00

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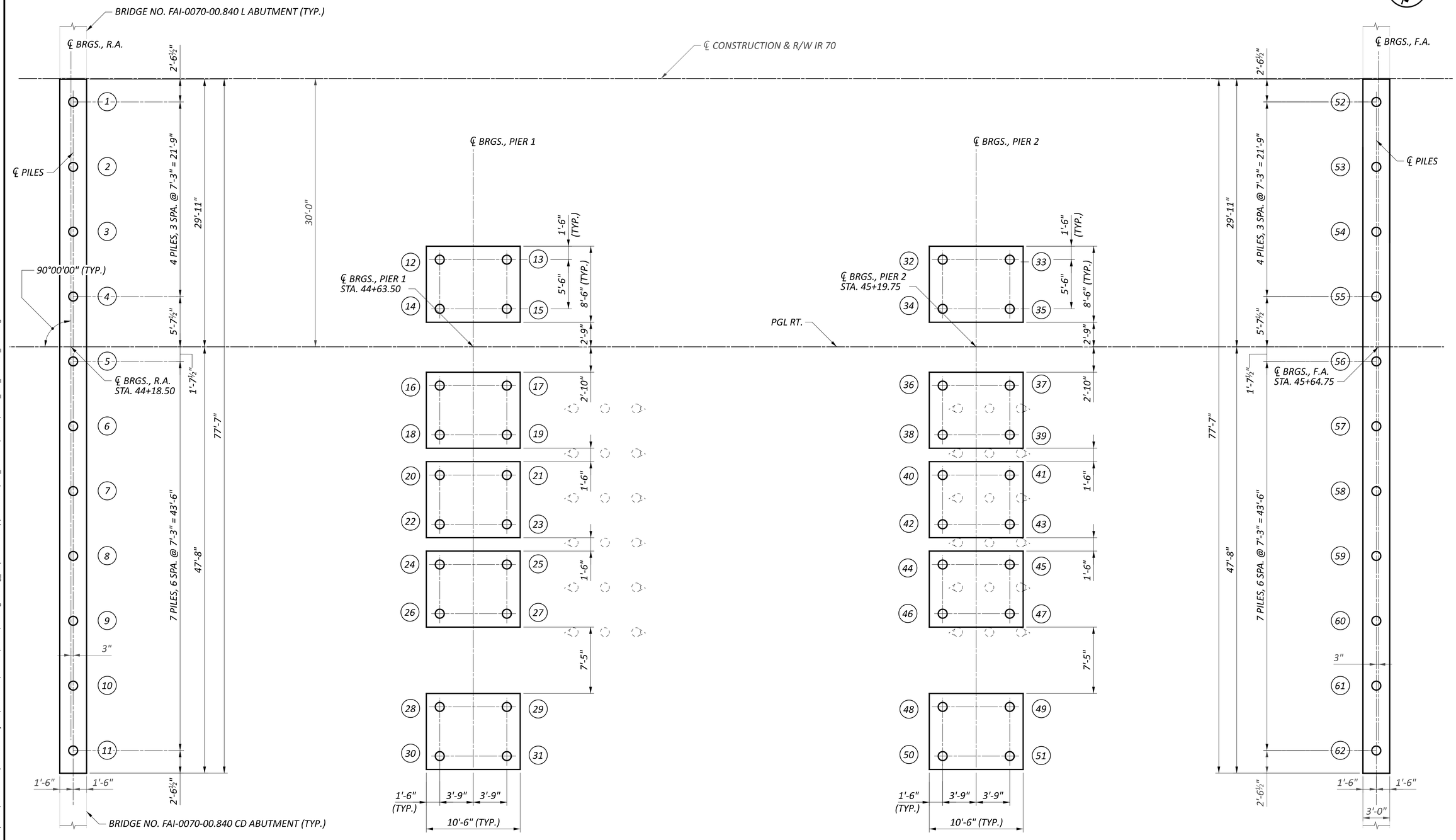

LEGEND

- (#) PROPOSED PILE IDENTIFICATION NUMBER
- ○ PROPOSED 12" C.I.P. REINFORCED CONCRETE PILE
- ◌ EX. 12" C.I.P. REINFORCED CONCRETE PILE
- ◌ EX. 12" C.I.P. REINFORCED CONCRETE PILE (BATTERED 1:4)

NOTE

EXISTING PIER 2 PILES TO BE REMOVED TO ELEVATION 808.50

FOUNDATION PLAN
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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SFN 2301599

DESIGN AGENCY CARPENTER MARTY transportation

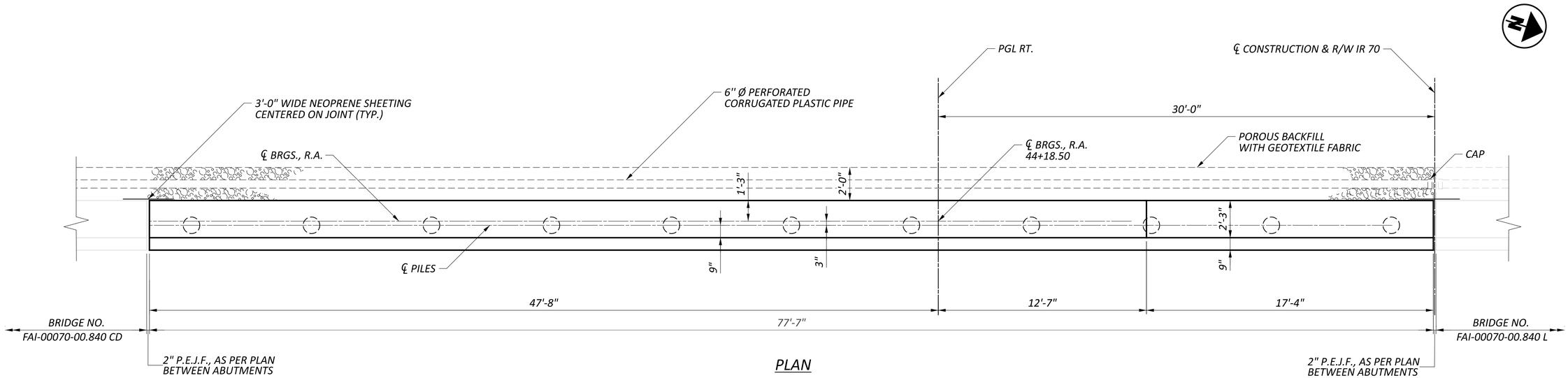
DESIGNER	CHECKER
MME	AMR

REVIEWER GDJ 4-24-25

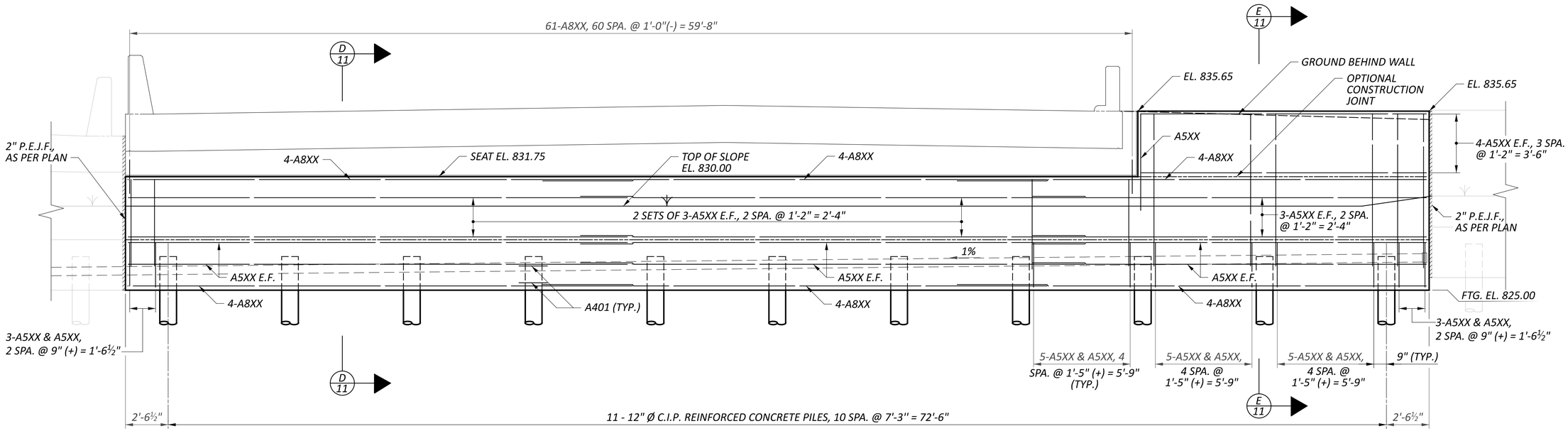
PROJECT ID 96808

SUBSET	TOTAL
8	22

SHEET	TOTAL
P.1287	P.1556



PLAN



ELEVATION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 16/22 FOR DIAPHRAM DETAILS.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #8 BAR = 64 INCHES
4. REFER TO SHEET 8/22 FOR PILE NUMBERING.

LEGEND

E.F. - EACH FACE

REAR ABUTMENT PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
MME	AMR

REVIEWER: GDJ 4-25-25

PROJECT ID: 96808

SUBSET	TOTAL
9	22

SHEET	TOTAL
P.1288	P.1556

FAI/LIC-IR 70-0.00/0.00

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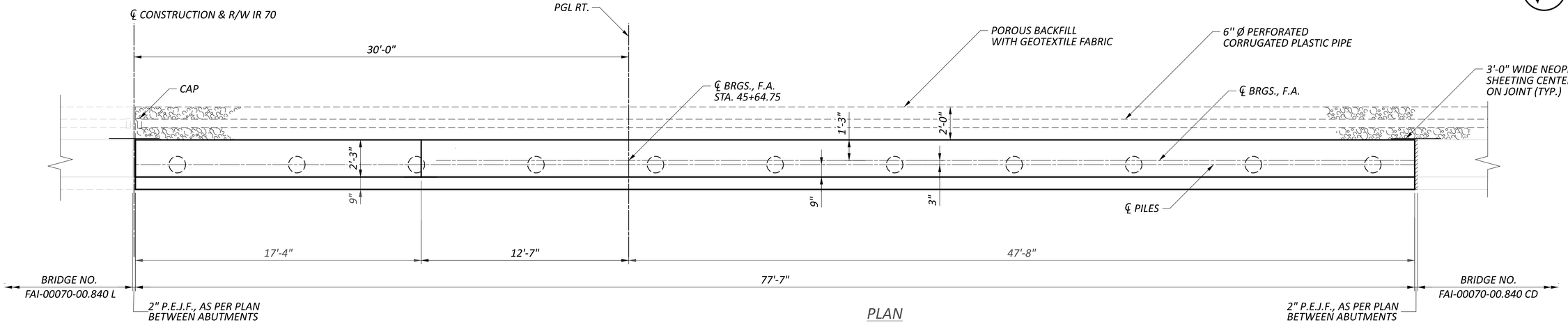
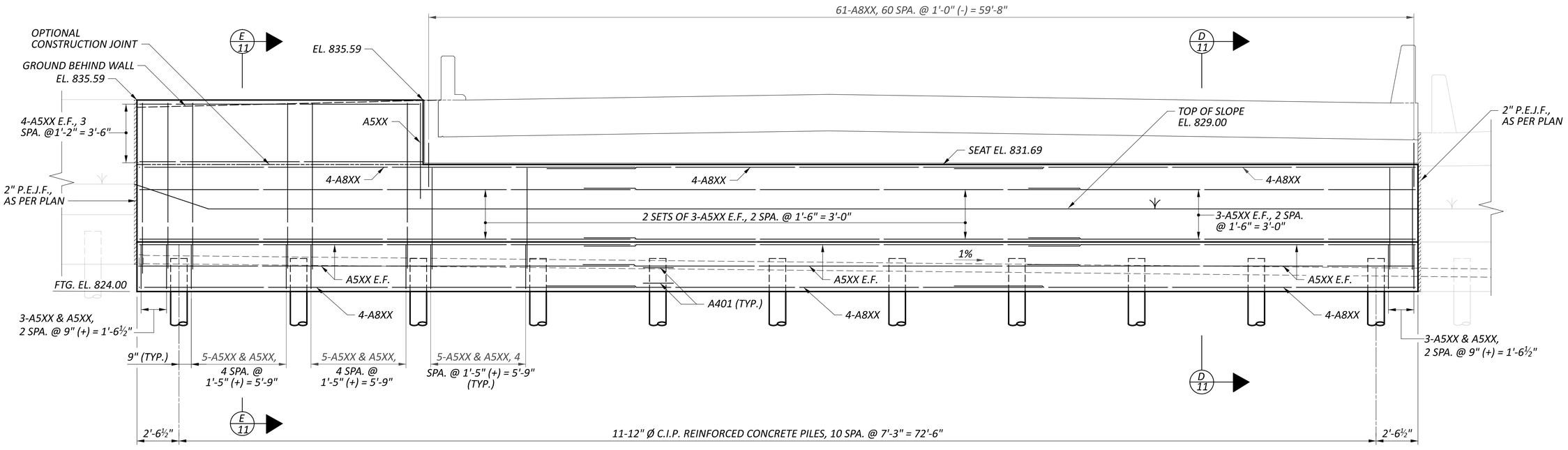


PLAN



ELEVATION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 17/22 FOR DIAPHRAM DETAILS.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #8 BAR = 64 INCHES
4. REFER TO SHEET 8/22 FOR PILE NUMBERING.

LEGEND

E.F. - EACH FACE

FORWARD ABUTMENT PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER MME | CHECKER AMR
REVIEWER GDJ 4-25-25
PROJECT ID 96808
SUBSET 10 | TOTAL 22
SHEET P.1289 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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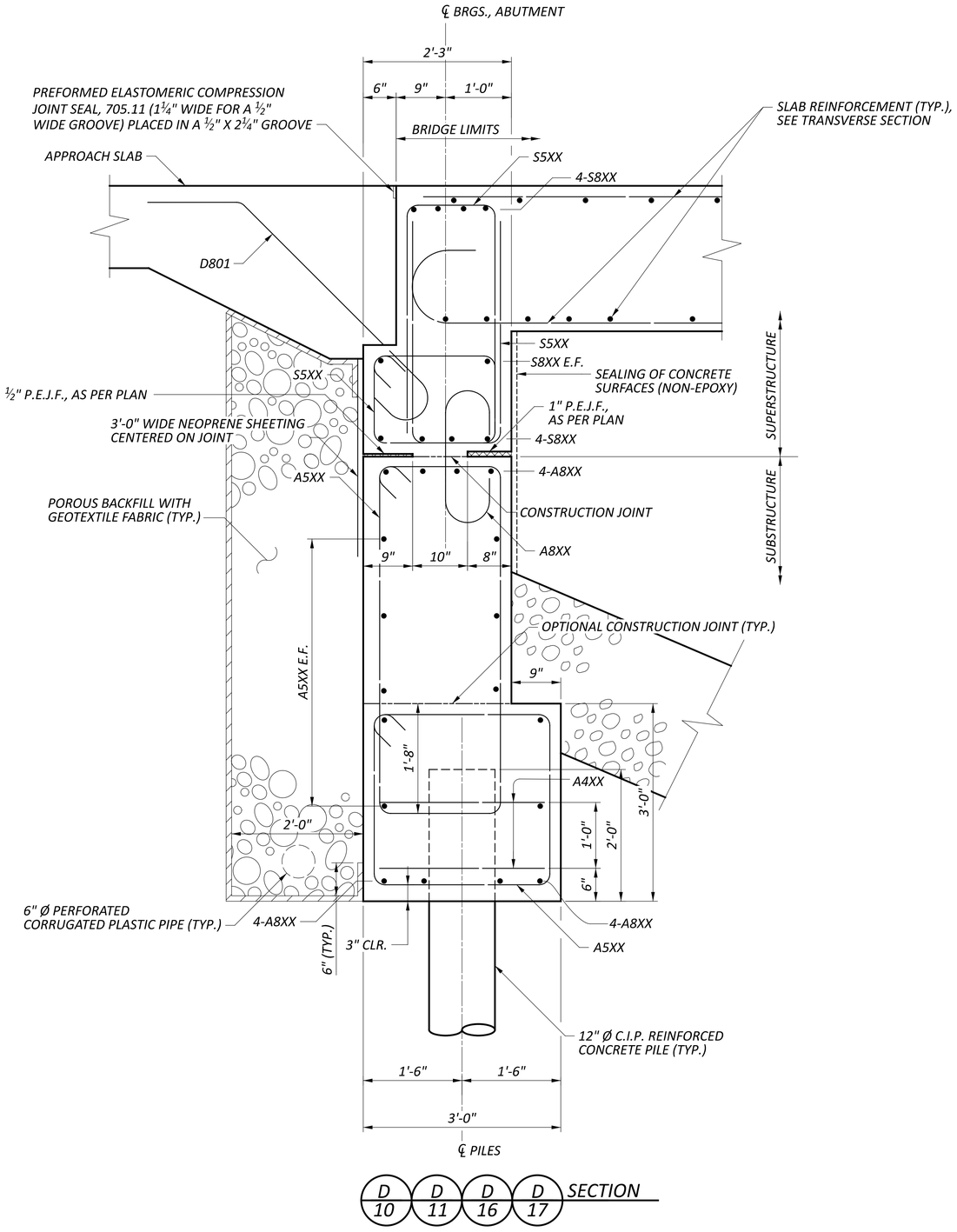
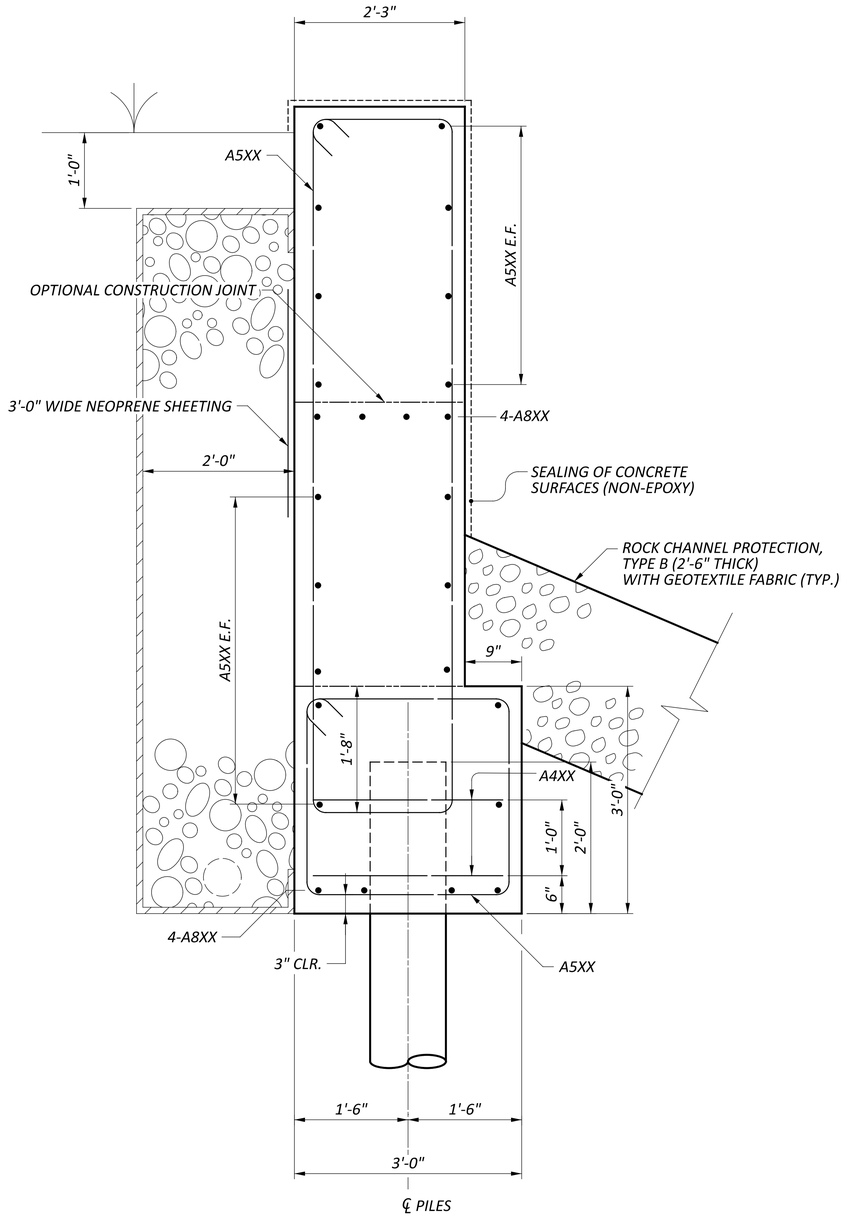


D 10 | D 11 | D 16 | D 17 SECTION



E 10 | E 11 SECTION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 16/22 TO 17/22 FOR DIAPHRAM DETAILS. AND SHEETS 13/22 TO 14/22 FOR SLAB DETAILS.

LEGEND

E.F. - EACH FACE

ABUTMENT SECTIONS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN	2301599
DESIGN AGENCY	CARPENTER MARTY engineering
DESIGNER	MME
CHECKER	AMR
REVIEWER	GDJ 4-25-25
PROJECT ID	96808
SUBSET	11
TOTAL	22
SHEET	P.1290
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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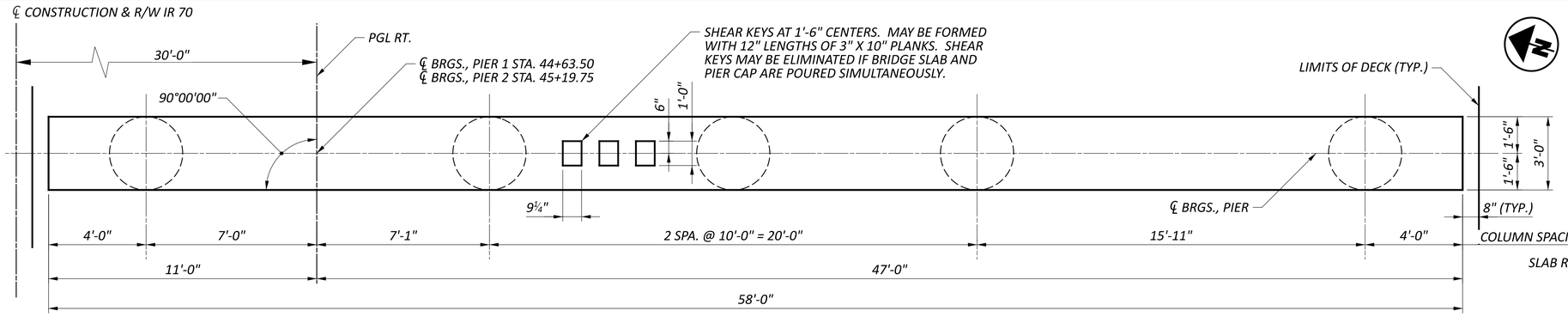
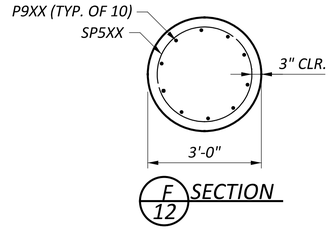


PLAN



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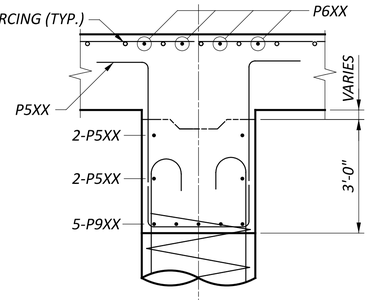
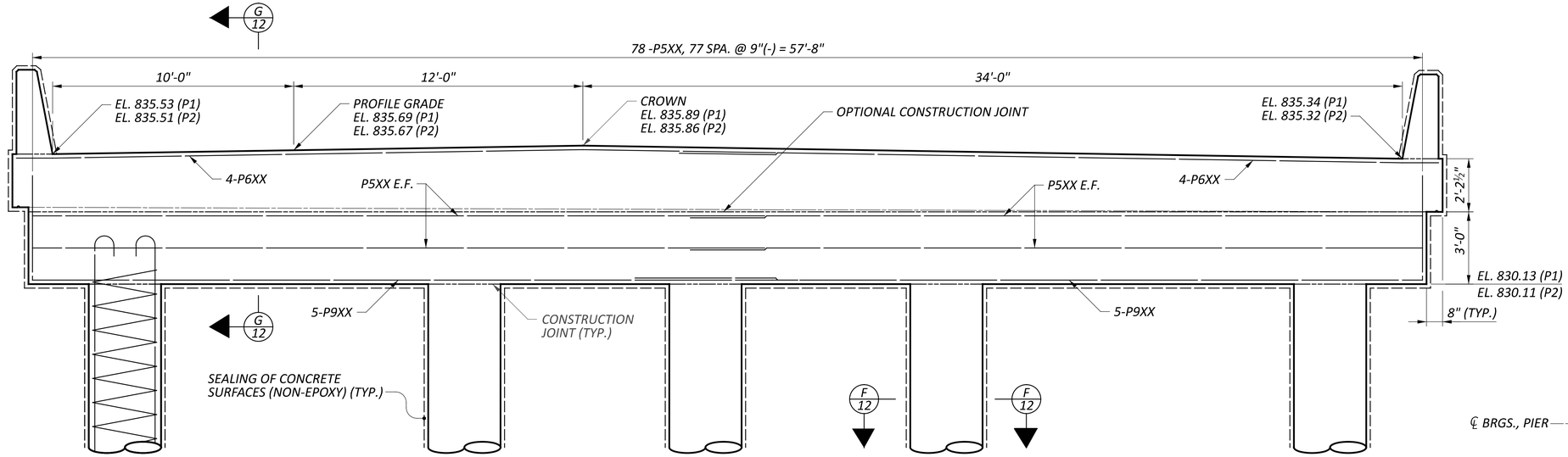
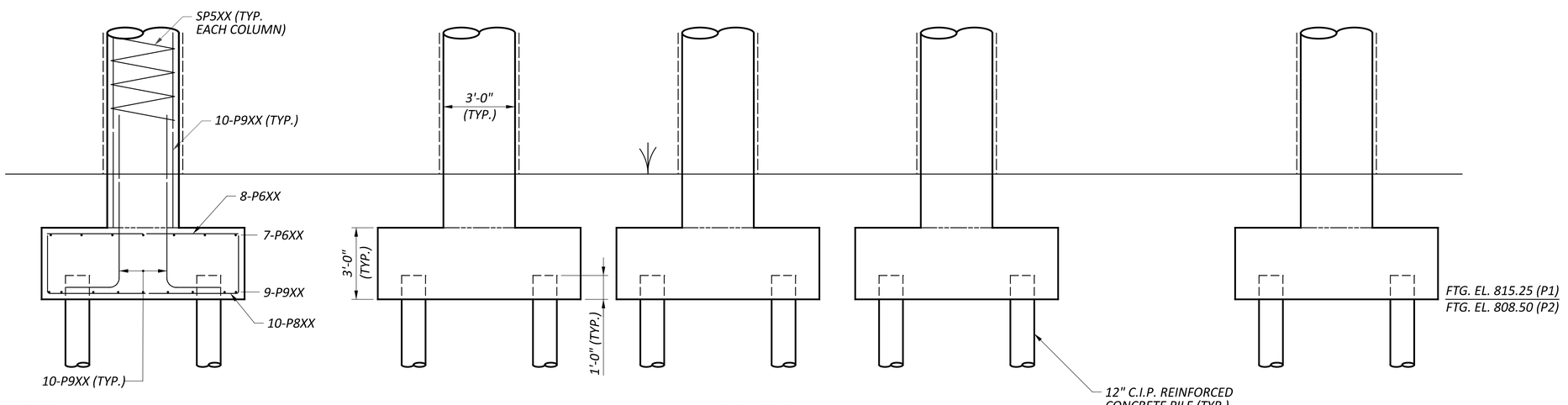
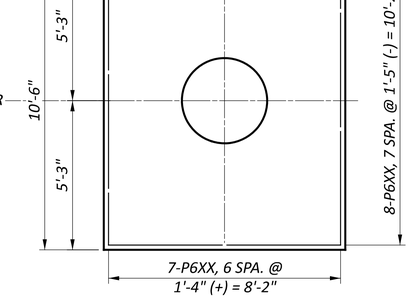


G 12 SECTION

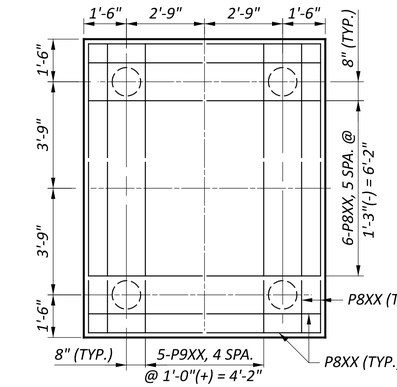




ELEVATION



FOOTING PLAN (TOP MAT)



FOOTING PLAN (BOTTOM MAT)

NOTES

1. SPIRAL REINFORCEMENT: TOP AND BOTTOM OF THE COLUMN SPIRAL REINFORCEMENT SHALL BE EMBEDDED AN ADDITIONAL 1½" TURNS.
2. ELEVATIONS ARE TAKEN AT CENTERLINE OF PIER.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 3'-1"
   #6 BAR = 3'-8"
   #8 BAR = 4'-9"
4. REFER TO SHEET 8 / 22 FOR PILE NUMBERING.

PIER PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER MME | CHECKER AMR
REVIEWER GDJ 4-25-25
PROJECT ID 96808
SUBSET 12 | TOTAL 22
SHEET P.1291 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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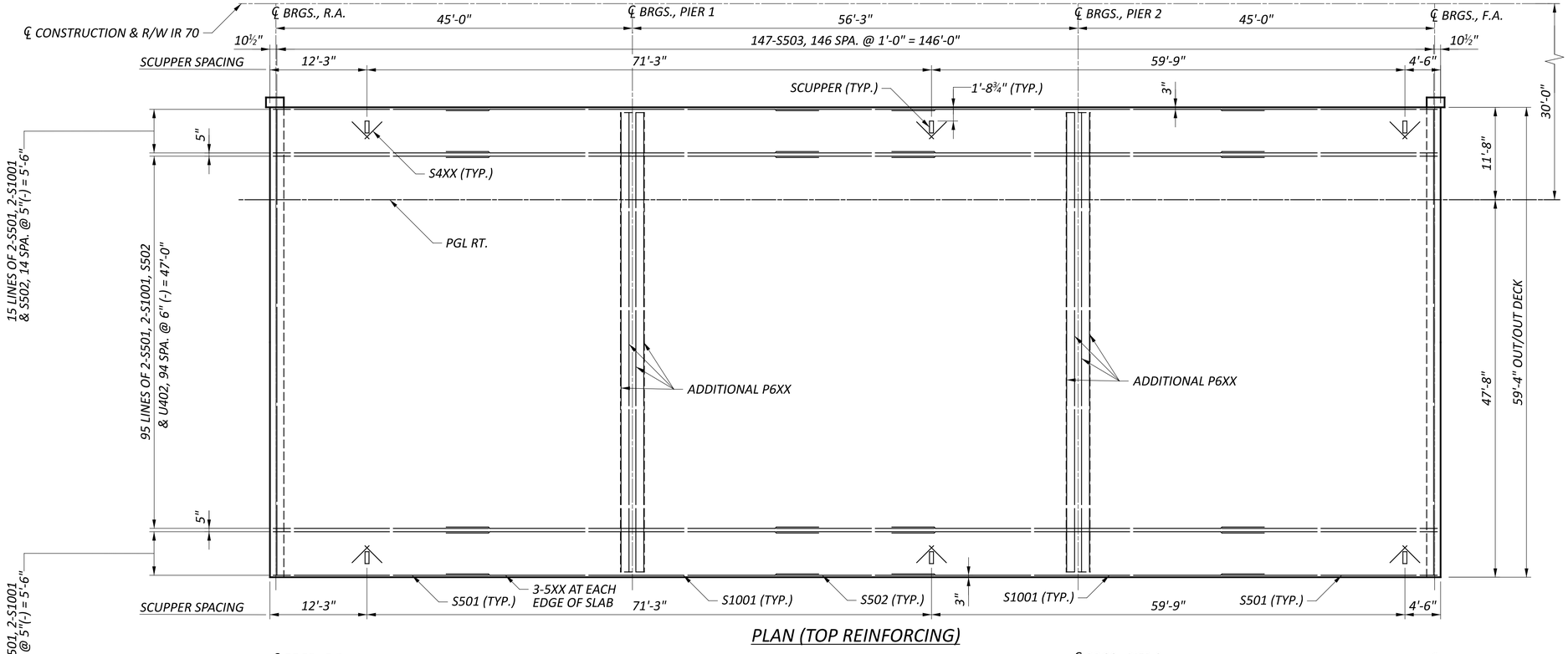
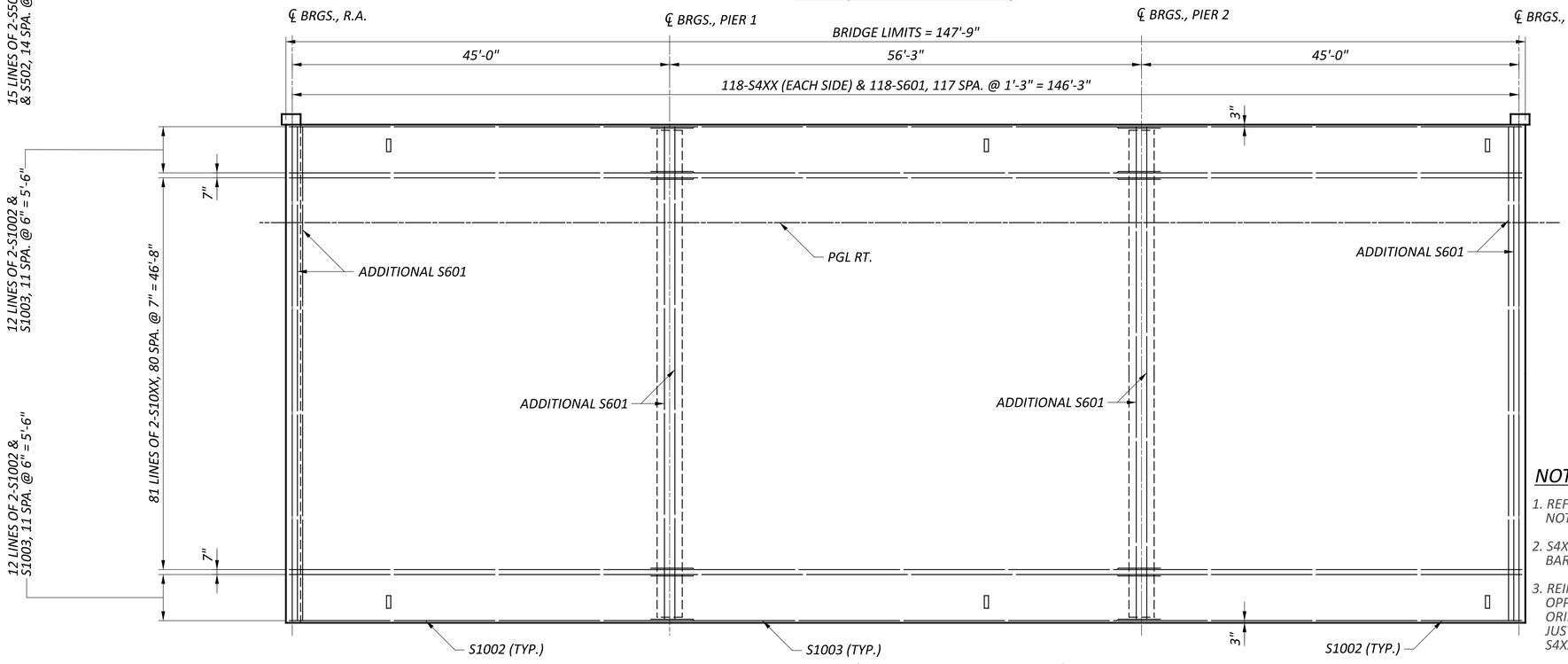


PLAN (TOP REINFORCING)



PLAN (BOTTOM REINFORCING)

NOTES

1. REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.
2. S4XX BARS SHALL NOT BE LAPPED WITH THE ADDITIONAL S6XX BARS PROVIDED AT THE ABUTMENTS AND PIERS.
3. REINFORCE THE CONCRETE DECK AT THE TWO SCUPPER CORNERS OPPOSITE THE CURB LINE WITH ONE S4XX BAR, 3'-0" LONG ORIENTED AT 45° TO THE LONG AXIS OF THE SCUPPER AND LOCATED JUST BELOW THE TRANSVERSE BARS IN THE TOP MAT OF STEEL S4XX BARS SHALL BE INCLUDED WITH ITEM 519 FOR PAYMENT.
4. TRIM REINFORCING STEEL AT SCUPPER AS NEEDED TO MAINTAIN CLEARANCE.

SLAB REINFORCEMENT PLAN
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN	2301599
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	MME
CHECKER	AMR
REVIEWER	GDJ 4-26-25
PROJECT ID	96808
SUBSET	13
TOTAL	22
SHEET	P.1292
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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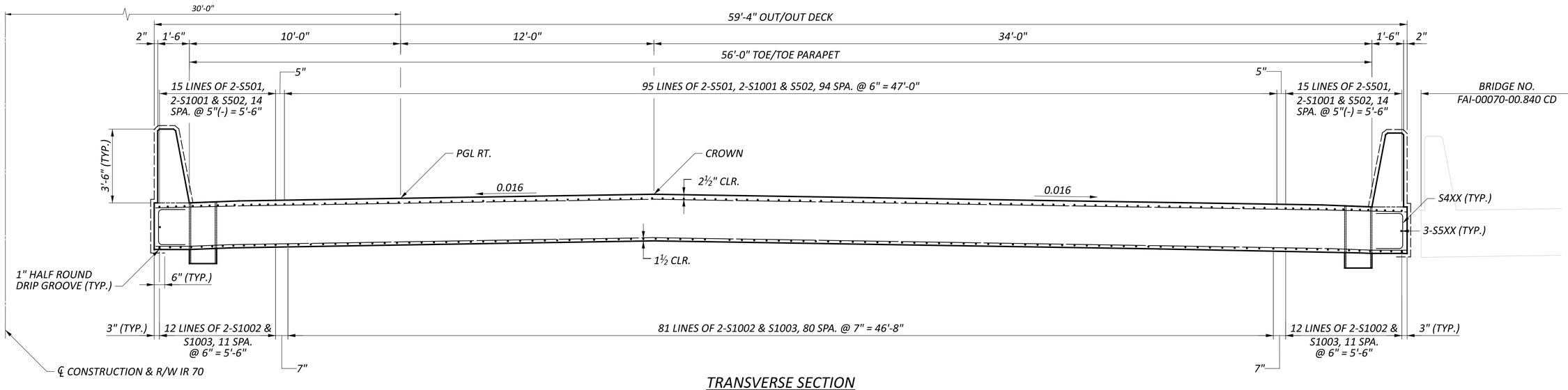
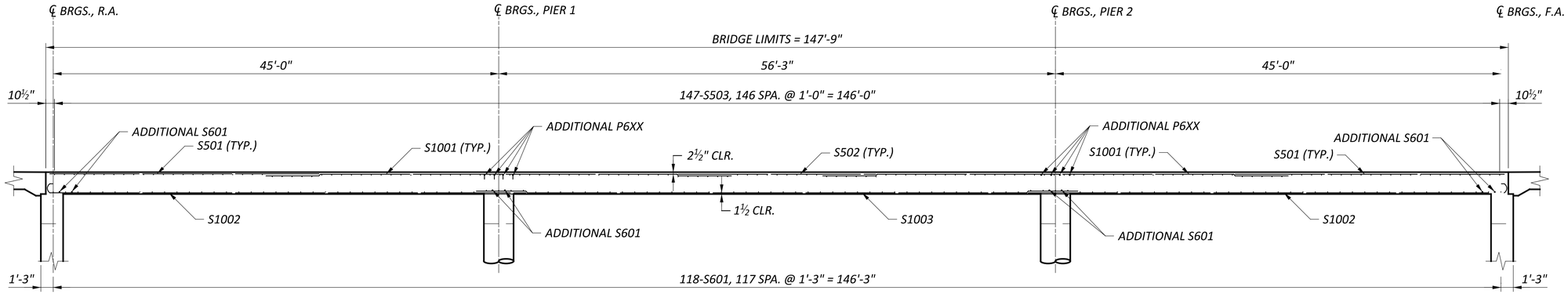
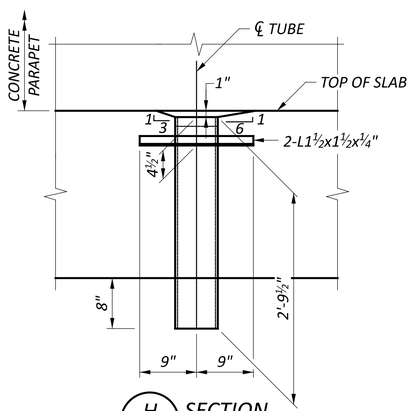


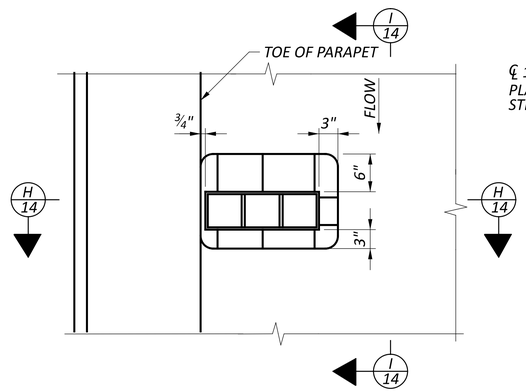
TRANSVERSE SECTION



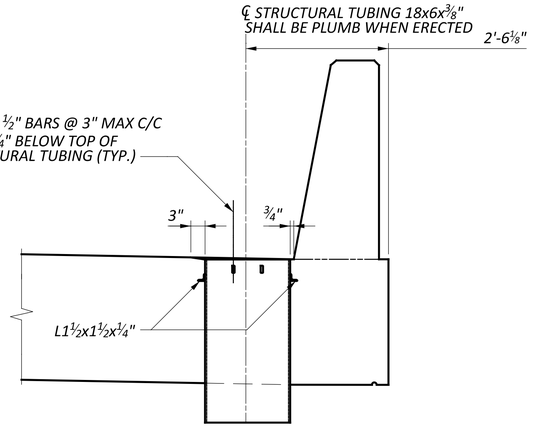
SLAB ELEVATION



H 14 SECTION



SCUPPER PLAN



I 14 SECTION

NOTE

REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.

TRANSVERSE SECTION AND SLAB ELEVATION
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN	2301599
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	MME
CHECKER	AMR
REVIEWER	GDJ 4-26-25
PROJECT ID	96808
SUBSET	14
TOTAL	22
SHEET	P.1293
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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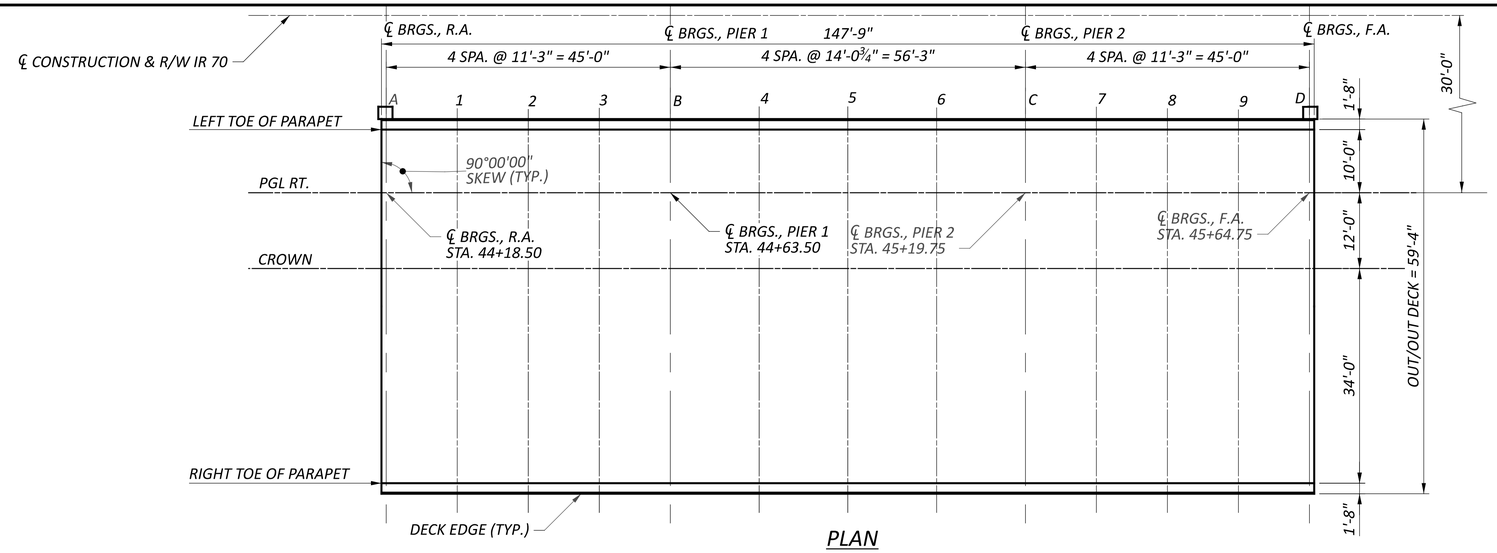
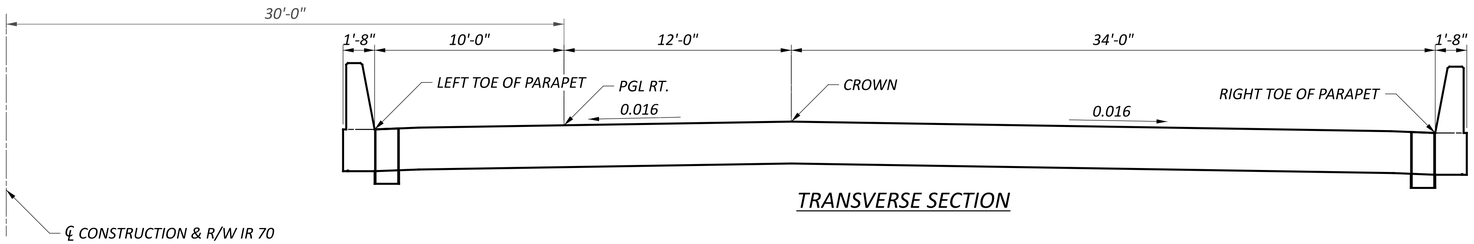


PLAN



TRANSVERSE SECTION

FINAL DECK SURFACE ELEVATIONS TABLE (FT.)

LOCATION	DESCRIPTION	A	1	2	3	B	4	5	6	C	7	8	9	D
LEFT TOE OF PARAPET	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.65	835.61	835.58	835.56	835.53	835.52	835.51	835.51	835.51	835.52	835.54	835.56	835.59
PGL RT.	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.81	835.77	835.74	835.72	835.69	835.68	835.67	835.67	835.67	835.68	835.70	835.72	835.75
CROWN	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	836.00	835.96	835.93	835.91	835.89	835.87	835.86	835.86	835.86	835.88	835.89	835.91	835.94
RIGHT TOE OF PARAPET	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	835.46	835.42	835.39	835.36	835.34	835.32	835.31	835.31	835.32	835.33	835.35	835.37	835.40

NOTE

FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.

FINAL DECK ELEVATIONS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER MME | CHECKER AMR
REVIEWER GDJ 4-26-25
PROJECT ID 96808
SUBSET 15 | TOTAL 22
SHEET P.1294 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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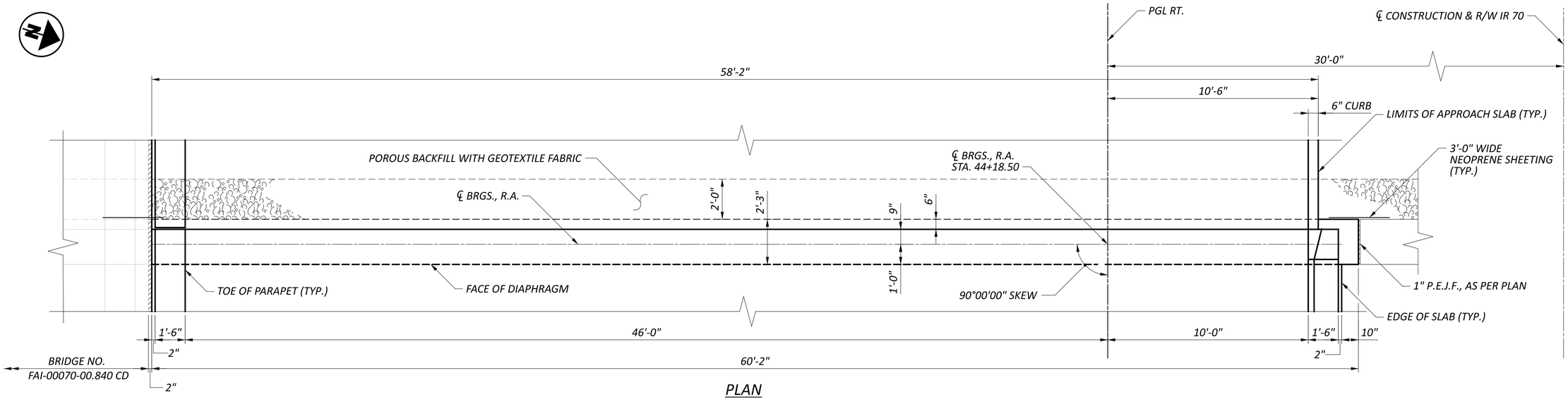
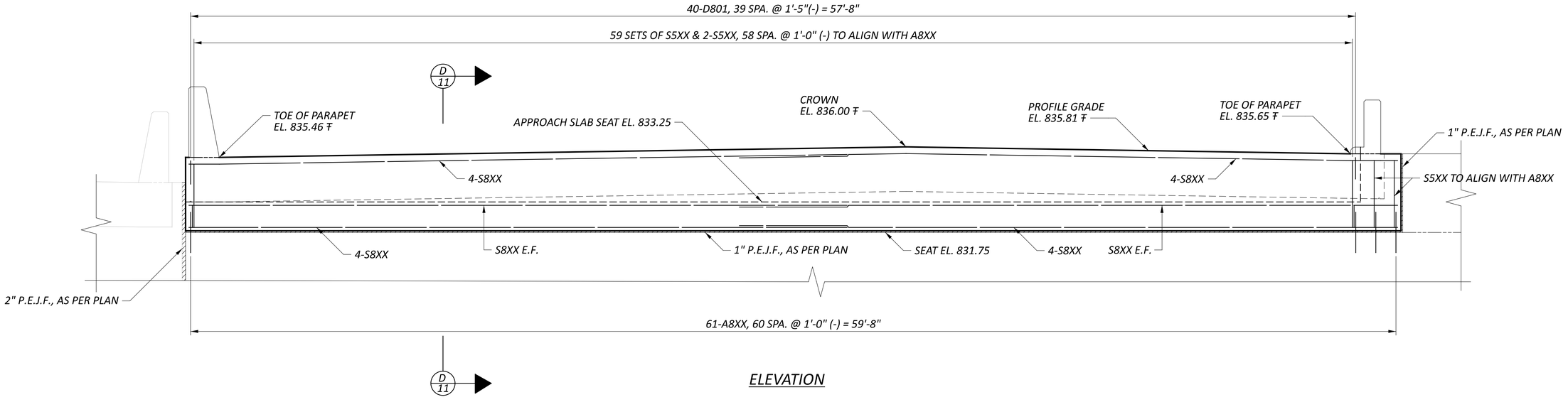


PLAN



ELEVATION

LEGEND

₸ - ELEVATION TAKEN AT BRIDGE LIMIT

E.F. - EACH FACE

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #8 BAR = 64 INCHES

REAR ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN	2301599
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	MME
CHECKER	AMR
REVIEWER	GDJ 4-26-25
PROJECT ID	96808
SUBSET	16
TOTAL	22
SHEET	P.1295
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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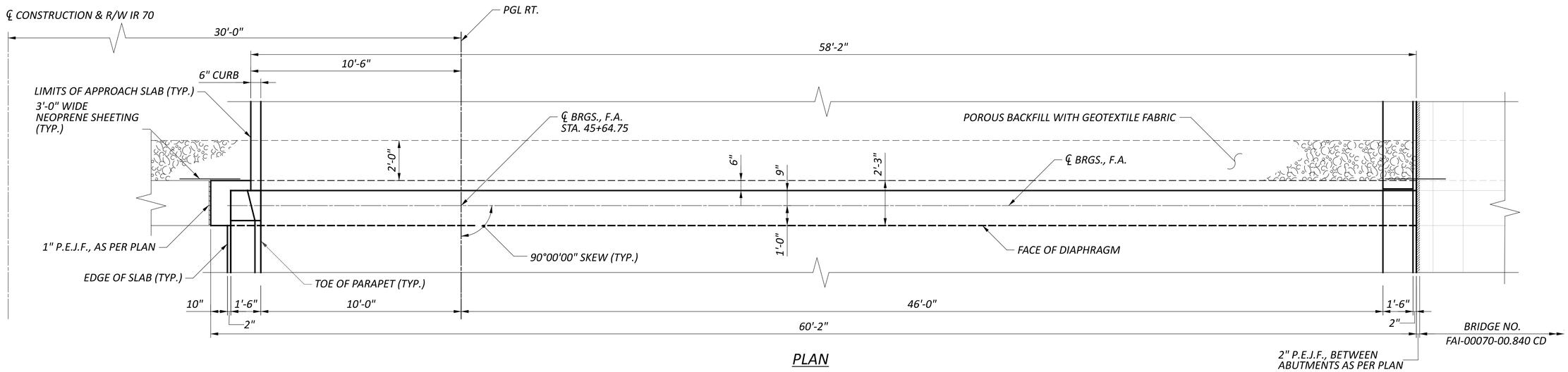
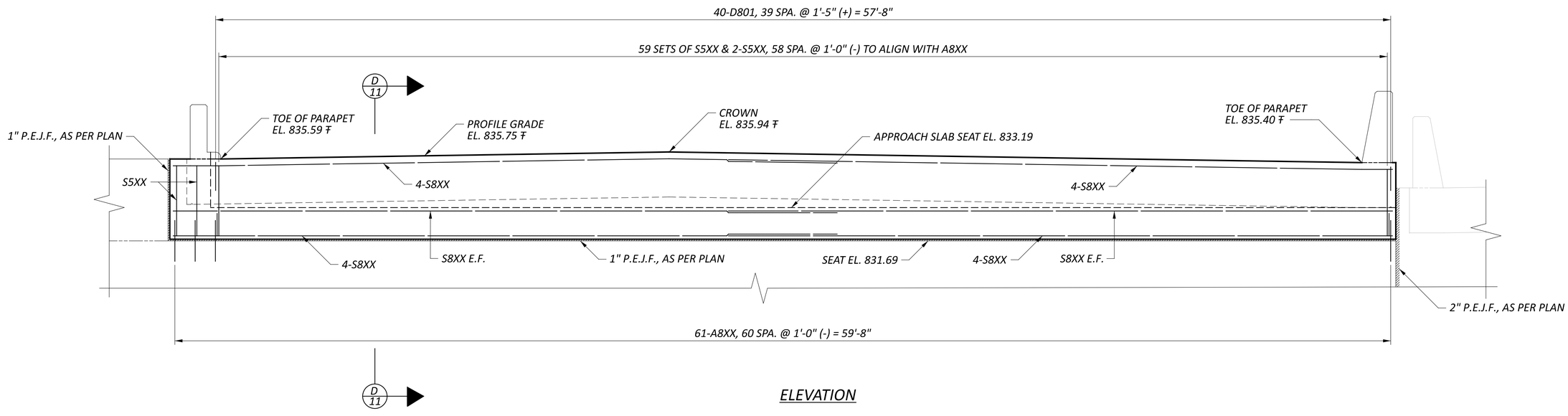


PLAN



ELEVATION

LEGEND

Ŧ - ELEVATION TAKEN AT BRIDGE LIMIT

E.F. - EACH FACE

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.

2. MINIMUM LAP SPLICE LENGTH:
   #8 BAR = 64 INCHES

FORWARD ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
MME	AMR

REVIEWER: GDJ 4-26-25

PROJECT ID: 96808

SUBSET	TOTAL
17	22

SHEET	TOTAL
P.1296	P.1556

FAI/LIC-IR 70-0.00/0.00

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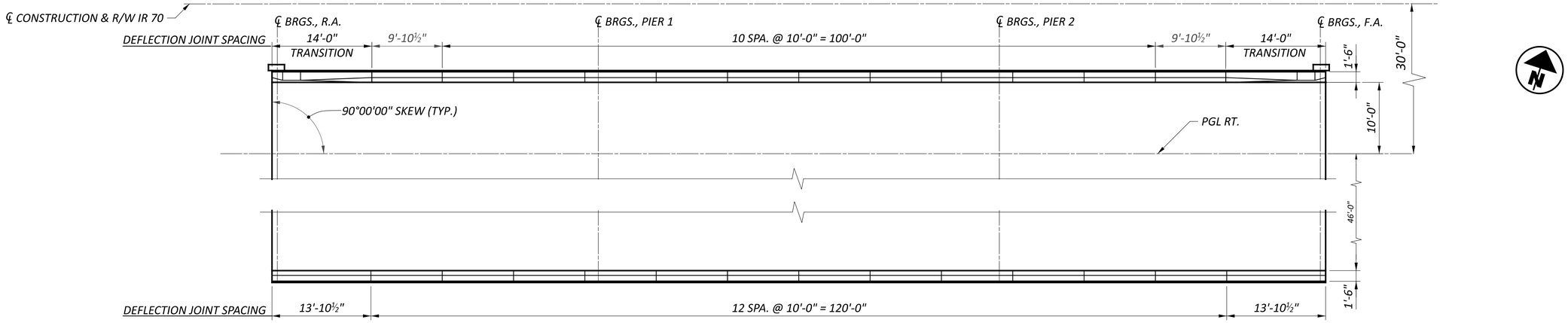
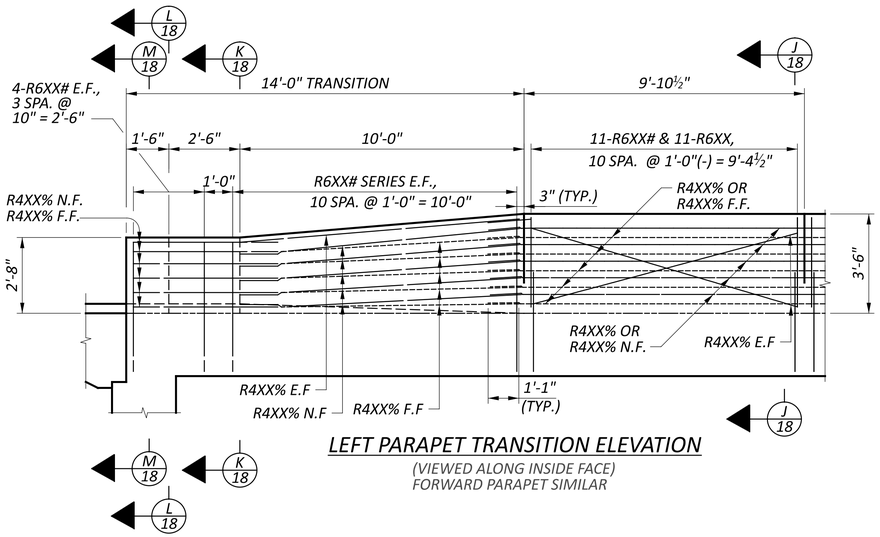
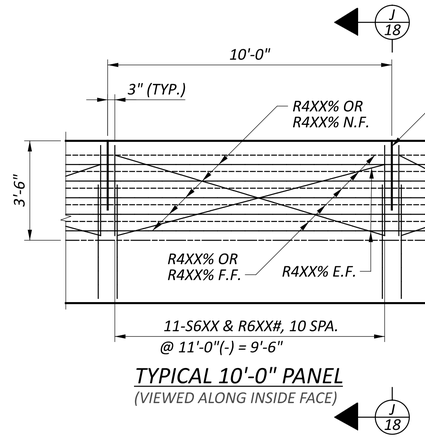


PLAN



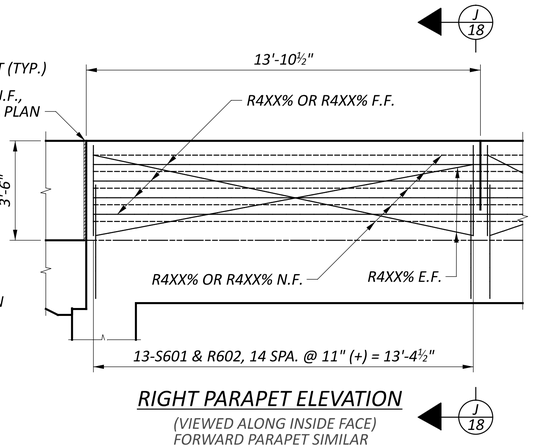
LEFT PARAPET TRANSITION ELEVATION

(VIEWED ALONG INSIDE FACE)
FORWARD PARAPET SIMILAR



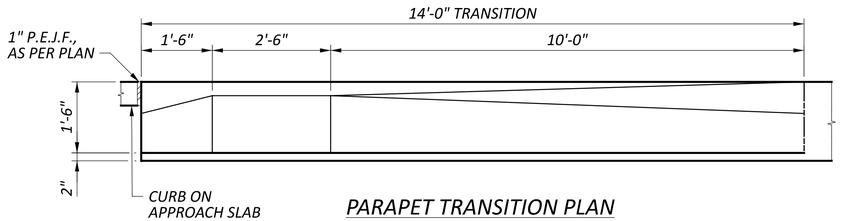
TYPICAL 10'-0" PANEL

(VIEWED ALONG INSIDE FACE)



RIGHT PARAPET ELEVATION

(VIEWED ALONG INSIDE FACE)
FORWARD PARAPET SIMILAR



PARAPET TRANSITION PLAN

LEFT REAR SHOWN, FORWARD SIMILAR

LEGEND

E.F -EACH FACE

N.F -NEAR FACE

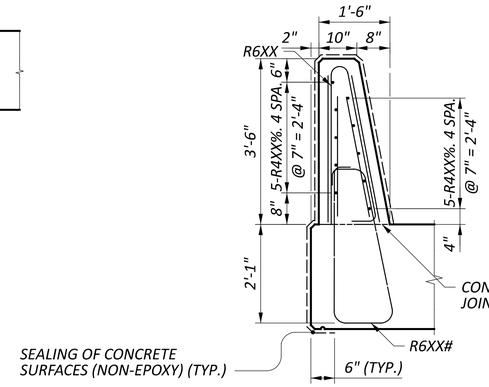
F.F -FAR FACE

% - DENOTES BAR TO BE GLASS FIBER REINFORCED POLYMER (GFRP)

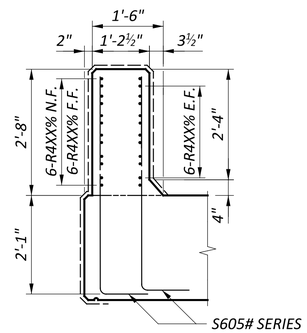
- BAR SHALL BE PLACED PRIOR TO POURING OF BRIDGE DECK

NOTES

1. REFER TO STD.DWG. SBR-1-20 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #4 GFRP BAR = 13 INCHES



J 18 SECTION



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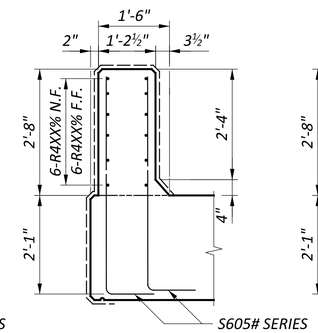
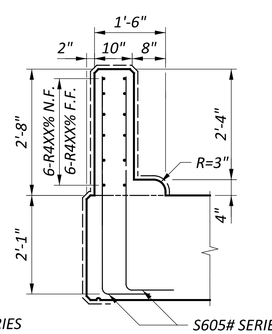


L 18 SECTION



M 18 SECTION

PARAPET DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN	2301599
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	MME
CHECKER	AMR
REVIEWER	GDJ 4-26-25
PROJECT ID	96808
SUBSET	18
TOTAL	22
SHEET	P.1297
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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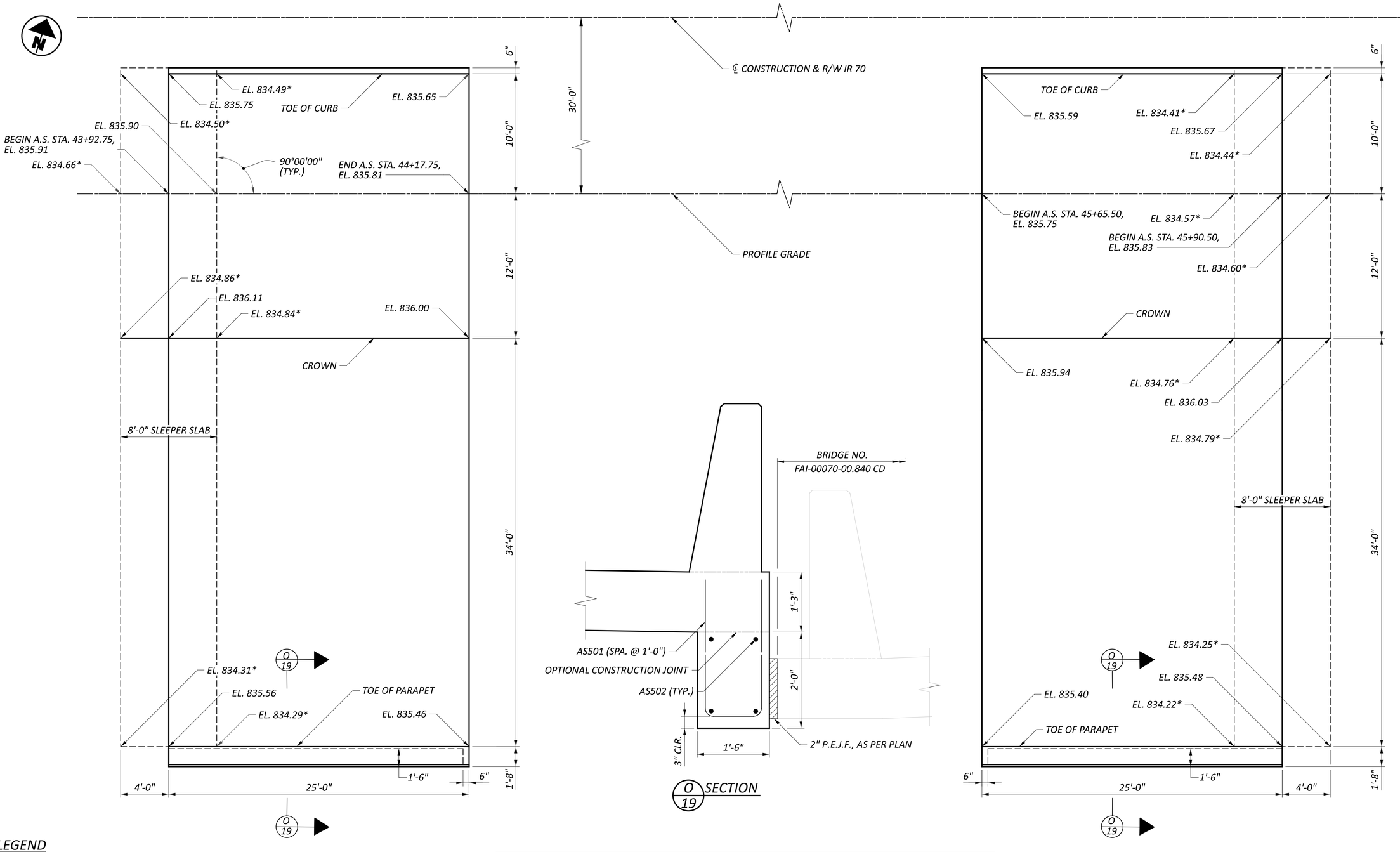

REAR APPROACH SLAB PLAN

FORWARD APPROACH SLAB PLAN

LEGEND

* - TOP OF SLEEPER SLAB ELEVATION

NOTES

1. REFER TO STD. DWGS. AS-1-15 AND AS-2-15 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 2/22 FOR POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM DETAILS
3. ADDITIONAL CONCRETE AND REINFORCING FOR TURNED DOWN PORTION OF APPROACH SLAB SHALL BE INCLUDED FOR PAYMENT WITH ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/QA, AS PER PLAN

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS		
						A	B	C
APPROACH SLAB (EPOXY COATED STEEL REINFORCEMENT - ECSR)								
AS501	ECSR	50	6'-7"	344	2	2'-10"	1'-2"	2'-10"
AS502	ECSR	8	24'-2"	202	STR			
ECSR SUBTOTAL				546				

* - FOR INFORMATION ONLY

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599
DESIGN AGENCY CARPENTER MARTY engineering
DESIGNER MME | CHECKER AMR
REVIEWER GDJ 4-26-25
PROJECT ID 96808
SUBSET 19 | TOTAL 22
SHEET P.1298 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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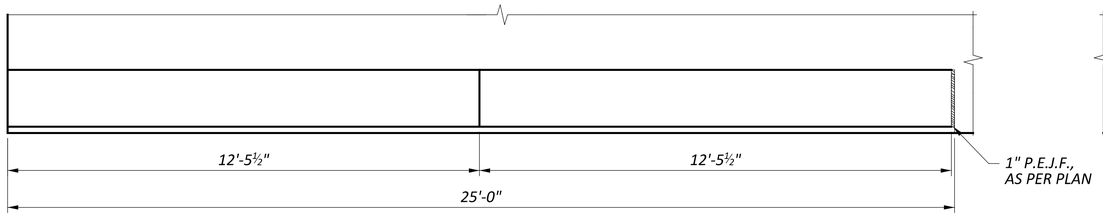
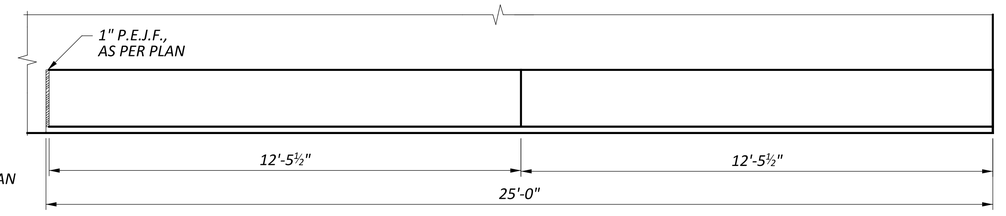
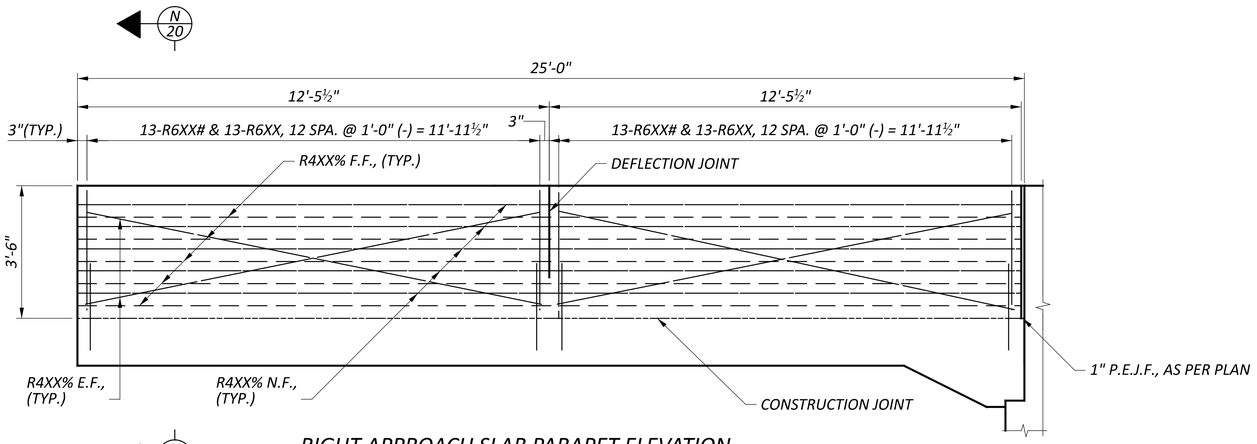


RIGHT REAR APPROACH SLAB PARAPET PLAN

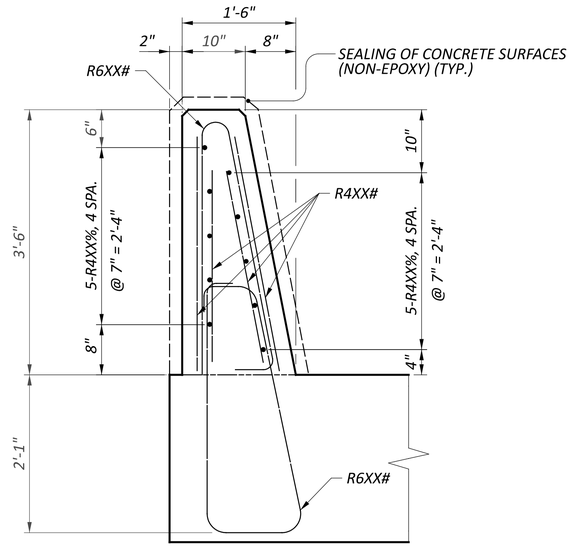


RIGHT FORWARD APPROACH SLAB PARAPET PLAN



RIGHT APPROACH SLAB PARAPET ELEVATION

(VIEWED ALONG OUTSIDE FACE)
FORWARD PARAPET SIMILAR



N
20 SECTION

LEGEND

E.F -EACH FACE

N.S -NEAR FACE

F.F -FAR FACE

% - DENOTES BAR TO BE GLASS FIBER REINFORCED POLYMER (GFRP)

- BAR SHALL BE PLACED PRIOR TO POURING OF APPROACH SLAB

NOTES

1. REFER TO STD.DWG. SBR-1-20 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH
   #4 GFRP BAR = 13 INCHES

APPROACH SLAB PARAPET DETAILS
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
MME	AMR

REVIEWER: GDJ 4-26-25

PROJECT ID: 96808

SUBSET	TOTAL
20	22

SHEET	TOTAL
P.1299	P.1556

FAI/LIC-IR 70-0.00/0.00

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BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
SUPERSTRUCTURE (EPOXY COATED STEEL REINFORCEMENT - ECSR)												
	ECSR											
SUPERSTRUCTURE ECSR SUBTOTAL												

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
RAILING (EPOXY COATED STEEL REINFORCEMENT - ECSR)												
	ECSR											
RAILING ECSR SUBTOTAL												

BAR MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT			TYPE	DIMENSIONS						
		PIER 1	PIER 2	TOTAL		PIER 1	PIER 2	TOTAL		A	B	C	D	E	R	INC
PIERS (EPOXY COATED STEEL REINFORCEMENT - ECSR)																
	ECSR															
PIER ECSR SUBTOTAL																

NOTES

1. THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A NO. 5 BAR. BAR DIMENSIONS ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.

2. REFER TO SHEET 22/22 FOR BENDING DIAGRAMS.

CONCRETE REINFORCEMENT BAR LIST
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301599

DESIGN AGENCY
CARPENTER MARTY engineering

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 4-23-25

PROJECT ID: 96808

SUBSET	TOTAL
21	22

SHEET	TOTAL
P.1300	P.1556

FAI/LIC-IR 70-0.00/0.00

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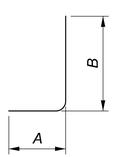
BAR MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
		REAR	FWD	TOTAL				A	B	C	D	E	R	INC
ABUTMENTS (EPOXY COATED STEEL REINFORCEMENT - ECSR)														
	ECSR													
ABUTMENT ECSR SUBTOTAL														

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
RAILING (GLASS FIBER REINFORCED POLYMER REINFORCEMENT - GFRP)												
	GFRP											
SUPERSTRUCTURE GFRP SUBTOTAL												

NOTE

THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A NO. 5 BAR. BAR DIMENSIONS ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.

BENDING DIAGRAM



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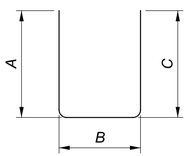

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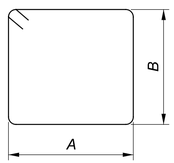

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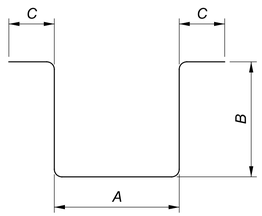

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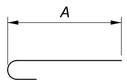

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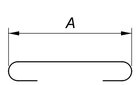

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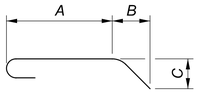

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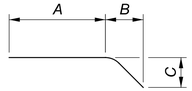

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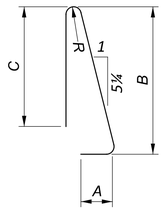

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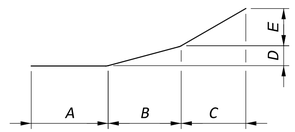

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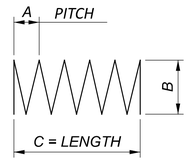

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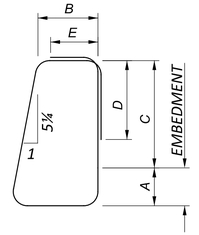

TYPE-37

CONCRETE REINFORCEMENT BAR LIST
BRIDGE NO. FAI-00070-00.840 R
IR 70 OVER BLACKLICK CREEK

SFN 2301564

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
SMH	AMR

REVIEWER: GDJ 2-23-25

PROJECT ID: 96808

SUBSET	TOTAL
22	22

SHEET	TOTAL
P.1301	P.1556

FAI/LIC-IR 70-0.00/0.00

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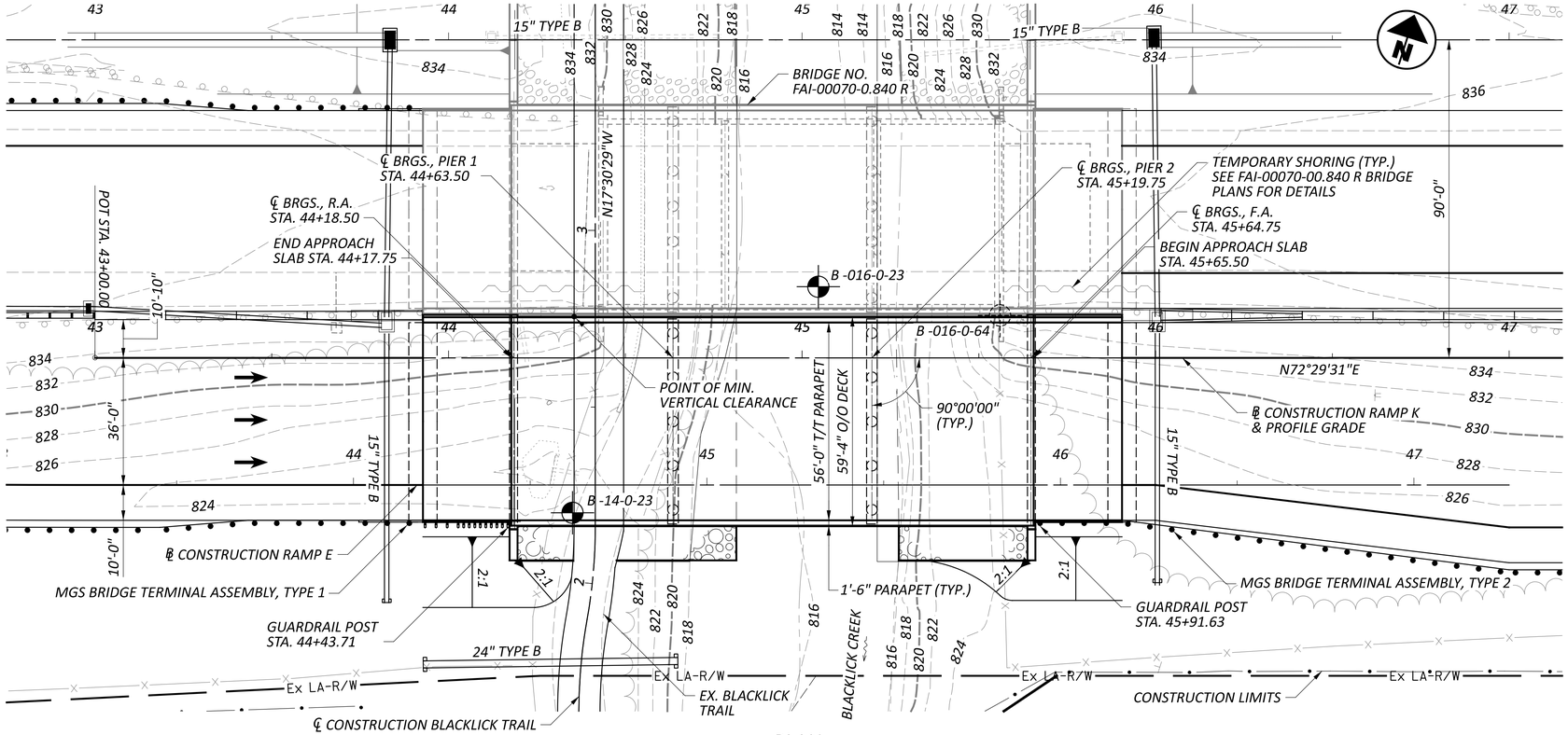
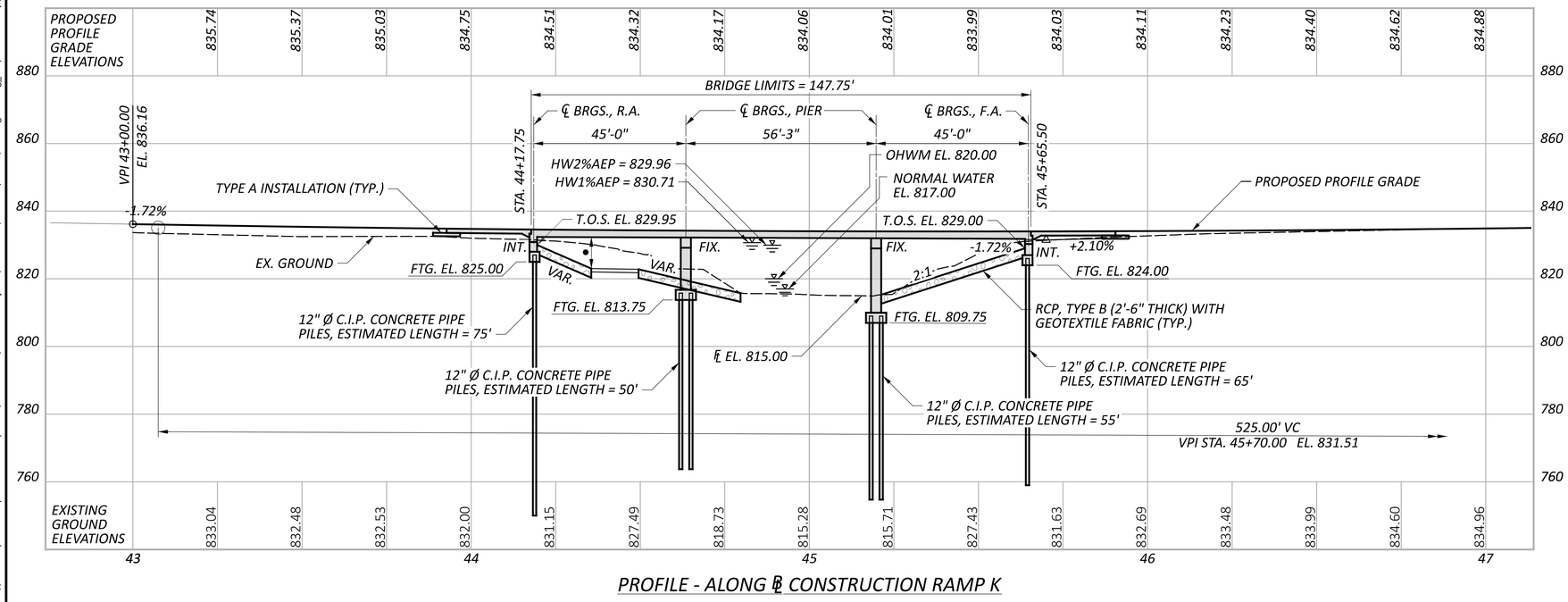


PLAN



PROFILE - ALONG ℄ CONSTRUCTION RAMP K

CONTROL POINT DATA

CP 2007 STA.	29+06.08	ELEV.	861.79	OFFSET	109.12'	RT.
CP 2008 STA.	35+84.10	ELEV.	851.61	OFFSET	113.98'	RT.
CP 2009 STA.	76+56.01	ELEV.	890.18	OFFSET	141.75'	LT.

FOR ADDITIONAL CONTROL POINT INFORMATION SEE ROADWAY PLAN SHEET P.0020 / P.1556.

NOTES

1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

2. DESIGN TRAFFIC:
2030 ADT = 19370 2030 ADTT = 780
2050 ADT = 26770 2050 ADTT = 1070
DIRECTIONAL DISTRIBUTION = 60%

3. A PORTION OF THE EXISTING RIGHT BRIDGE WILL BE REMOVED PRIOR TO CONSTRUCTION OF THIS BRIDGE. SEE FAI-00070-00.840 R PLANS FOR REMOVAL DETAILS.

LEGEND

- 9'-0" PREFERRED MINIMUM VERTICAL CLEARANCE
  8'-9⅛" ACTUAL MINIMUM VERTICAL CLEARANCE

PROJECT BORING LOCATION

HISTORIC BORING LOCATION

HYDRAULIC DATA

DRAINAGE AREA = 42.27 SQ. MILES
Q (2% AEP) = 8,696 CFS (FIS) V (2% AEP) = 8.18 FT/S
Q (1% AEP) = 10,000 CFS (FIS) V (1% AEP) = 8.84 FT/S
STRUCTURE CLEARS THE 2% AEP DESIGN BY 1.90 FEET.

SUPERELEVATION TRANSITION

STA.	CROSS SLOPE
43+22.98	0.016 FT/FT
44+66.98	0.000 FT/FT
46+10.98	-0.016 FT/FT

PROPOSED STRUCTURE

TYPE: 3 SPAN CONTINUOUS REINFORCED CONCRETE SLAB SUPPORTED ON REINFORCED CONCRETE ABUTMENTS AND CAP AND COLUMN PIERS

SPANS: 45'-0", 56'-3", 45'-0" C/C BEARINGS

ROADWAY: 56'-0" TOE/TOE PARAPET

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE: 0.06 KSF

SKEW: NONE

APPROACH SLABS: 25'-0" LONG, 15" THICK (AS-1-15, AS-2-15 TYPE A)

ALIGNMENT: TANGENT

SUPERELEVATION: VARIES FT/FT

DECK AREA: 8,766 SF

COORDINATES: LATITUDE 39°55'54.4" N
LONGITUDE 82°47'45.0" W

HORIZONTAL SCALE IN FEET
0 10 20 40

SITE PLAN
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
BWR	AMR

REVIEWER STK 4-24-25

PROJECT ID 96808

SUBSET	TOTAL
1	18

SHEET	TOTAL
P.1302	P.1556

FAI/LIC-IR 70-0.00/0.00

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REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

AS-1-15	REVISED	1-20-2023
AS-2-15	REVISED	7-21-2023
CPA-1-08	REVISED	1-19-2024
CS-1-24	REVISED	7-19-2024
SBR-1-20	REVISED	7-19-2024

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:

846	DATED	4-17-2015

DESIGN LOADING

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.06 KIPS/FT²

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2024.

OPERATIONAL IMPORTANCE

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA

CONCRETE CLASS QC2 WITH QC/QA - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE AND PIER CAP)

CONCRETE CLASS QC1 WITH QC/QA - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI (SUBSTRUCTURES, SUPERSTRUCTURES, APPROACH SLAB)

GFRP REINFORCEMENT (PARAPET)

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

PILE DRIVING CONSTRAINTS

PRIOR TO DRIVING PILES, CONSTRUCT THE SPILL THROUGH SLOPES AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENTS UP TO THE LEVEL OF THE SUBGRADE ELEVATION FOR A MINIMUM DISTANCE OF 200 FEET BEHIND EACH ABUTMENT. DO NOT BEGIN THE EXCAVATION FOR THE ABUTMENT FOOTINGS AND THE INSTALLATION OF THE ABUTMENT PILES UNTIL AFTER THE ABOVE REQUIRED EMBANKMENT HAS BEEN CONSTRUCTED AND A 30 CALENDAR DAY WAITING PERIOD HAS ELAPSED. THE ENGINEER MAY ADJUST THE LENGTH OF THE WAITING PERIOD BASED ON SETTLEMENT PLATFORM READINGS. AFTER THE SPECIFIED WAITING PERIOD HAS ELAPSED, DRIVE ABUTMENT PILES TO THE UBV.

PILE DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE (UBV) IS 289 KIPS PER PILE FOR THE REAR ABUTMENT. THE UBV IS 352 KIPS PER PILE FOR THE PIER 1 PILES. THE UBV IS 326 KIPS PER PILE FOR THE PIER 2 PILES. THE UBV FOR THE REAR ABUTMENT INCLUDES AN ADDITIONAL 32 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 14 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. THE UBV FOR PIER 1 INCLUDES AN ADDITIONAL 27 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 5 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. THE UBV FOR PIER 2 INCLUDES AN ADDITIONAL 1 KIP PER PILE DUE TO THE POSSIBILITY OF LOSING 1 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR.

REAR ABUTMENT PILES:
12 INCH DIAMETER PILES 80 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 1 PILES:
12 INCH DIAMETER PILES 55 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 2 PILES:
12 INCH DIAMETER PILES 60 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

FORWARD ABUTMENT PILES:
12 INCH DIAMETER PILES 70 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.250" FOR THE ABUTMENTS AND PIER 2 CAST-IN-PLACE REINFORCED CONCRETE PILES, AND A WALL THICKNESS OF 0.312" FOR THE PIER 1 PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP

THE UBV IS 298 KIPS PER PILE FOR THE 12 INCH DIAMETER FORWARD ABUTMENT PILES. THE UBV FOR THE FORWARD ABUTMENT INCLUDES AN ADDITIONAL 42 KIPS PER PILE DUE TO THE POSSIBILITY OF LOSING 14 FT. OF FRICTIONAL RESISTANCE DUE TO SCOUR. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

DRIVE THE FIRST TWO PILES AT THE FORWARD ABUTMENT TO THE FULL ESTIMATED LENGTH OF 65 FEET. PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATES A PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF 7 DAYS. INCLUDE THE WAITING PERIOD AS A SEPARATE ACTIVITY IN THE PROGRESS SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

IF THE RESTRIKE TEST RESULTS INDICATE THAT EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FOR THE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER C&MS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 DYNAMIC LOAD TESTING AND A QUANTITY OF ONE EACH ITEM 523 RESTRIKE FOR THE FORWARD ABUTMENT.

SCOUR ELEVATIONS

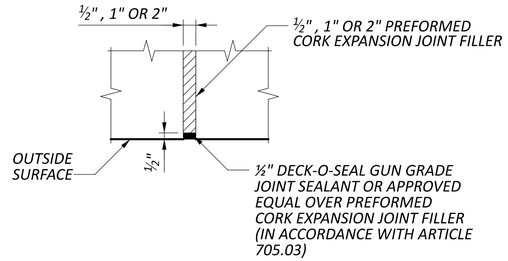
THE DESIGN FLOOD AND CHECK FLOOD SCOUR ELEVATIONS ARE PROVIDED BELOW:

	REAR ABUTMENT	PIER 1	PIER 2	FORWARD ABUTMENT
DESIGN FLOOD	810.89	808.42	808.42	809.65
CHECK FLOOD	810.93	808.17	808.17	809.49

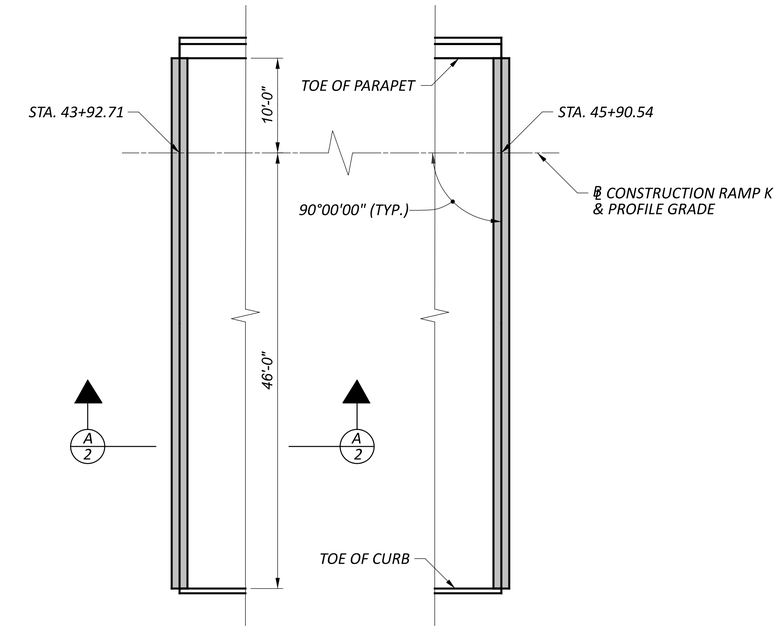
ITEM 516 - ½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN
ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN

ALL ½" P.E.J.F., AS PER PLAN, 1" P.E.J.F., AS PER PLAN, AND 2" P.E.J.F., AS PER PLAN CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER ½" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE-JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION OR MAXIMUM EFFECTIVENESS.

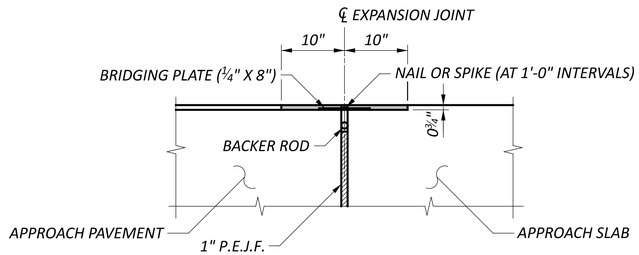
DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665



PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - ½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, AND ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN, SF, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.



POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM PLAN
STATIONS SHOWN ARE TAKEN AT ℄ OF EXPANSION JOINT



A/2 SECTION

GENERAL NOTES
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565
DESIGN AGENCY CARPENTER MARTY engineering
DESIGNER CEH | CHECKER AMR
REVIEWER STK 4-24-25
PROJECT ID 96808
SUBSET 2 | TOTAL 18
SHEET P.1303 | TOTAL P.1556

FAI/LIC-IR 70-00.00/0.00

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DESIGN: DATE:		CHECK: DATE:		ESTIMATED QUANTITIES					
ABUTMENTS	PIERS	SUPERSTRUCTURE	GENERAL	ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				503	11100	LS	-	COFFERDAMS AND EXCAVATION BRACING	
				503	21100	LS	-	UNCLASSIFIED EXCAVATION	
				505	11100	LS	-	PILE DRIVING EQUIPMENT MOBILIZATION	
				507	00500	0	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
				507	00550	0	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
				509	10000	0	LB	EPOXY COATED STEEL REINFORCEMENT	
				509	30020	0	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
				511	33312	0	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
				511	34450	0	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
				511	41012	0	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	
				511	43512	0	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	
				511	46512	0	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
				512	10050	0	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
				516	13201	0	SF	½" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	2
				516	13601	0	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	2
				516	14014	0	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
				518	12500	0	EACH	SCUPPER, MISC.: SCUPPER, INCLUDING SUPPORTS	
				518	21200	0	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
				518	40000	0	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
				518	40010	0	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
				523	20000	0	EACH	DYNAMIC LOAD TESTING	
				523	20500	0	EACH	RESTRIKE	
				526	25010	0	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
				526	90010	0	FT	TYPE A INSTALLATION	
				846	00110	0	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	2

ESTIMATED QUANTITIES
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
CEH	AMR

REVIEWER: STK 4-24-25

PROJECT ID: 96808

SUBSET	TOTAL
3	18

SHEET	TOTAL
P.1304	P.1556

FAI/LIC-IR 70-0.00/0.00

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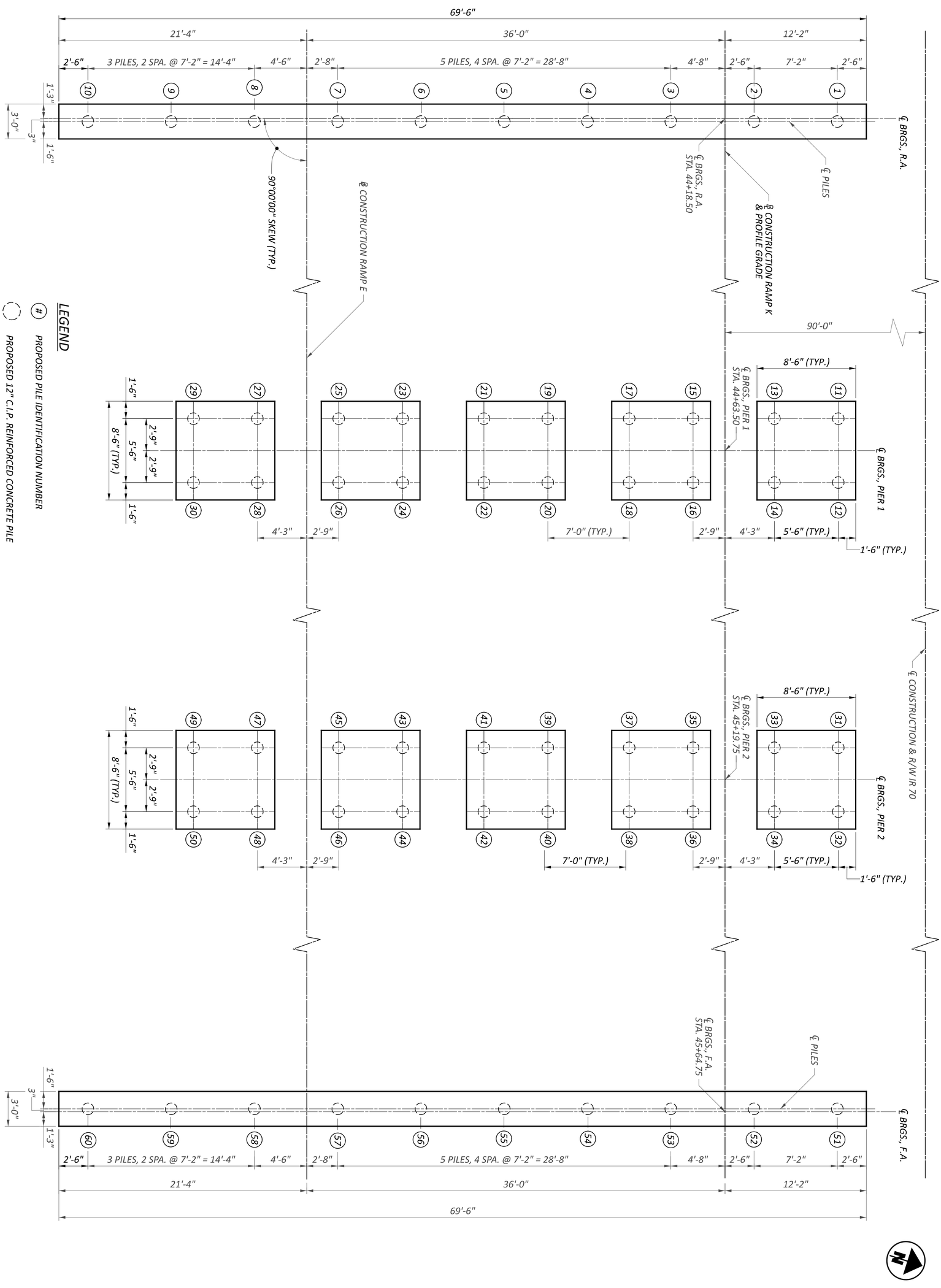
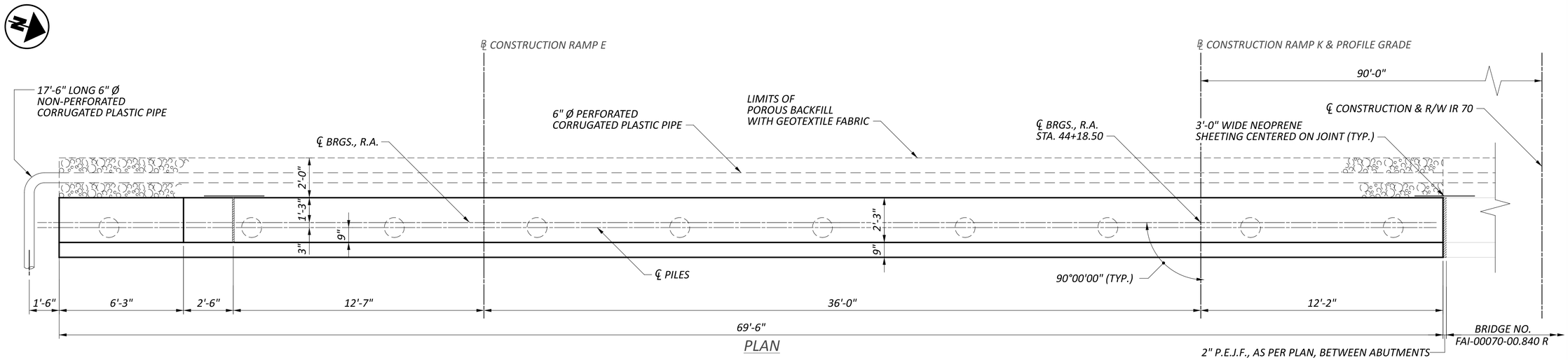
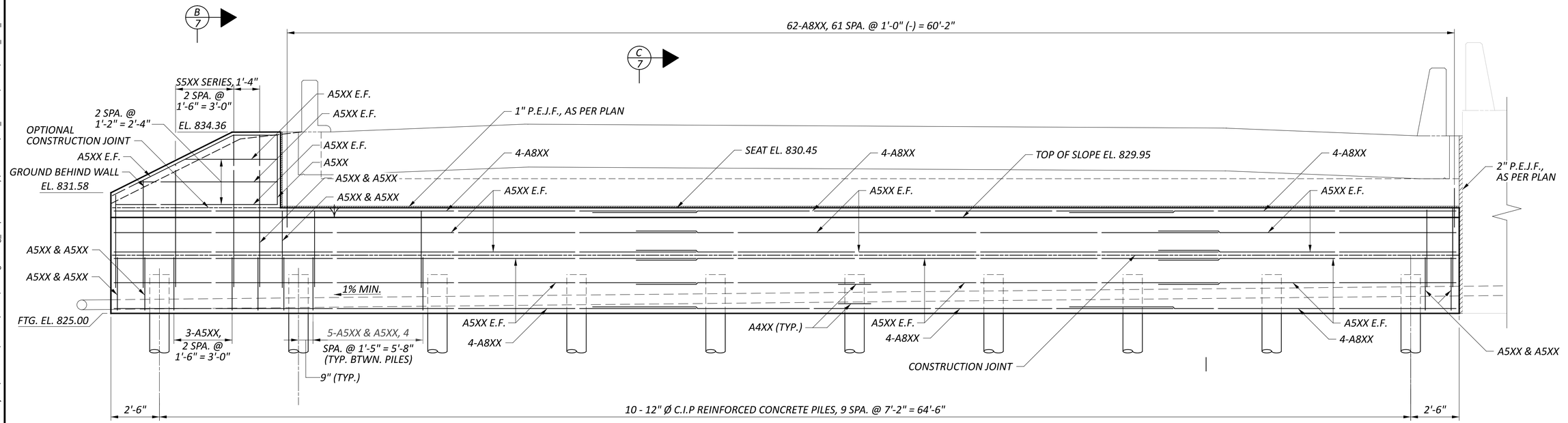


SFN 2301565	DESIGNER CEH	CHECKER AMR	REVIEWER STK 4-24-25
DESIGN AGENCY CARPENTER MARTY transportation	PROJECT ID 96808	SUBSET 4	SHEET P.1305
		TOTAL 18	TOTAL P.1556

FOUNDATION PLAN
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK



PLAN



ELEVATION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 12/18 FOR DIAPHRAGM DETAILS.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #8 BAR = 64 INCHES
4. REFER TO SHEET 4/18 FOR PILE NUMBERING

LEGEND

E.F. - EACH FACE

REAR ABUTMENT PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
CEH	AMR

REVIEWER
STK 4-24-25

PROJECT ID
96808

SUBSET	TOTAL
5	18

SHEET	TOTAL
P.1306	P.1556

FAI/LIC-IR 70-0.00/0.00

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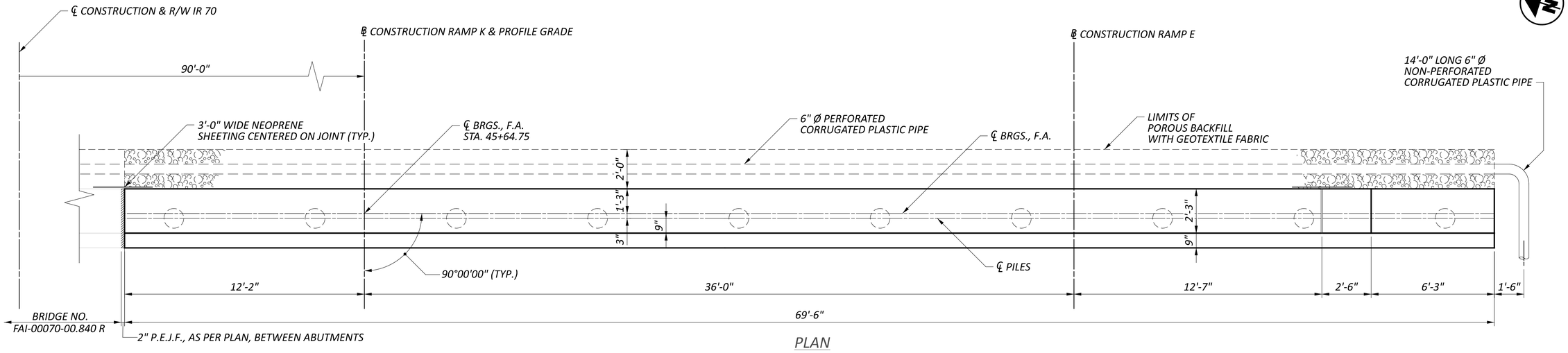
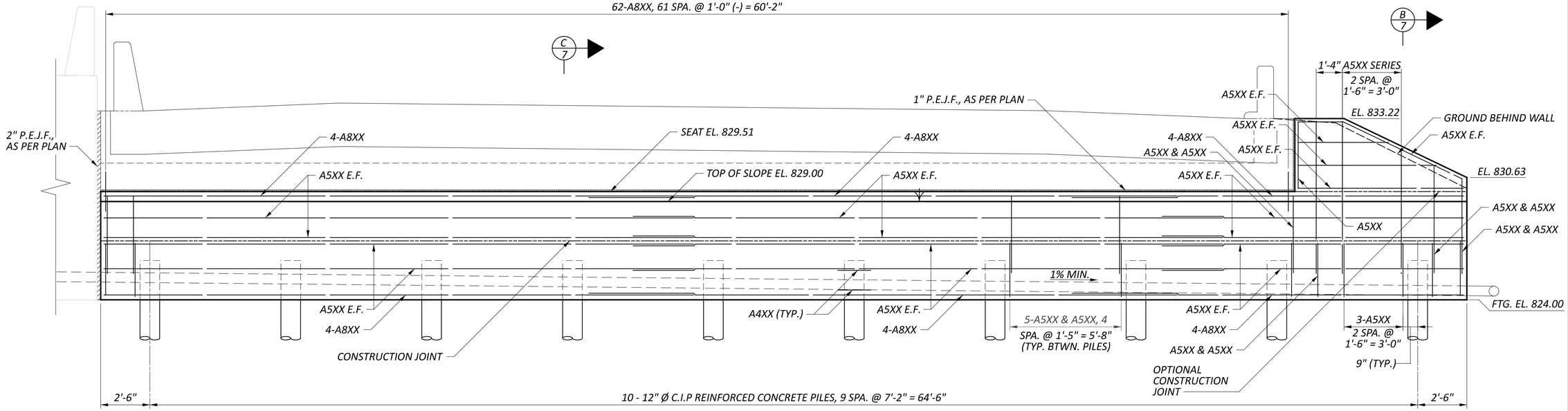


PLAN



ELEVATION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEET 12/18 FOR DIAPHRAGM DETAILS.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #8 BAR = 64 INCHES
4. REFER TO SHEET 4/18 FOR PILE NUMBERING.

LEGEND

E.F. - EACH FACE

FORWARD ABUTMENT PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
CEH	AMR

REVIEWER: STK 4-24-25

PROJECT ID: 96808

SUBSET	TOTAL
6	18

SHEET	TOTAL
P.1307	P.1556

FAI/LIC-IR 70-0.00/0.00

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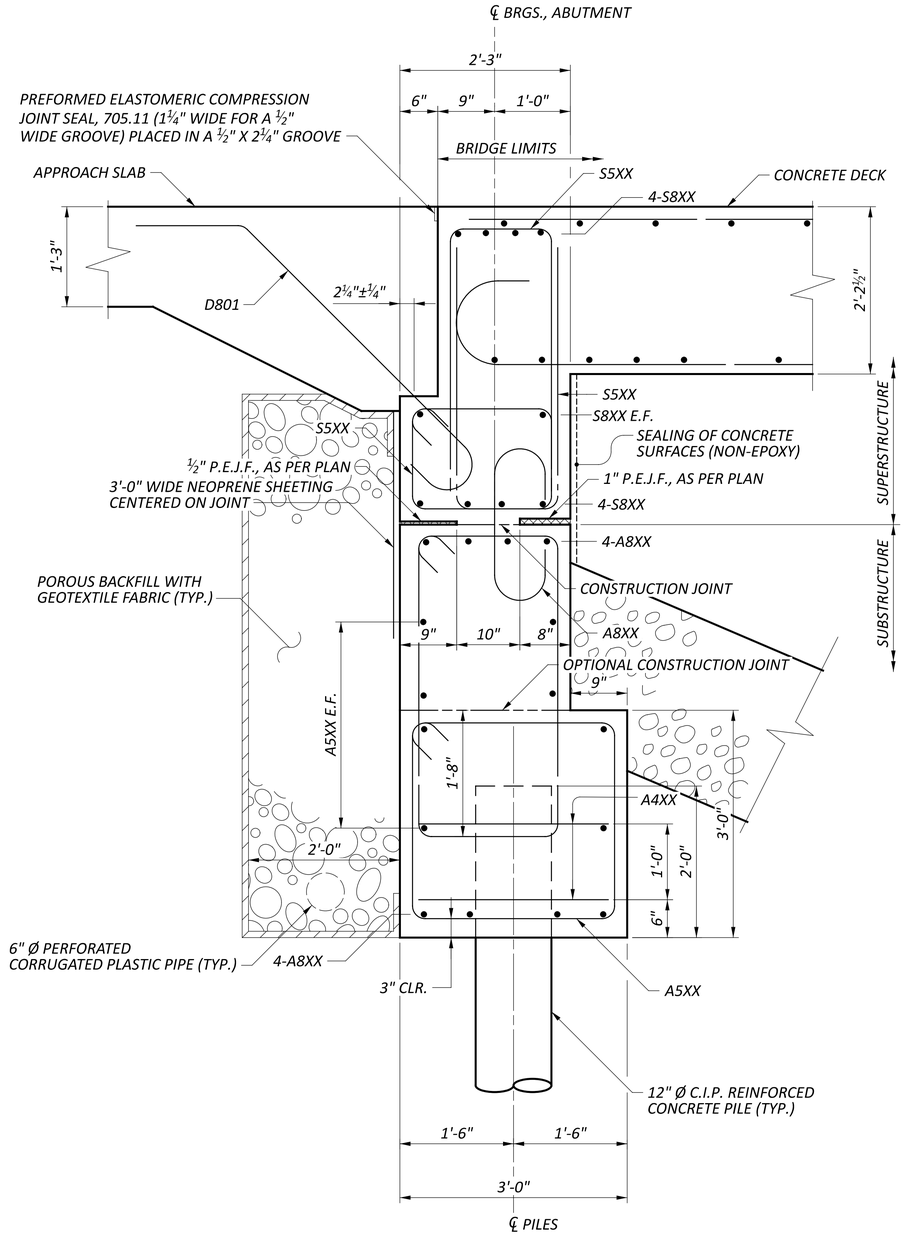
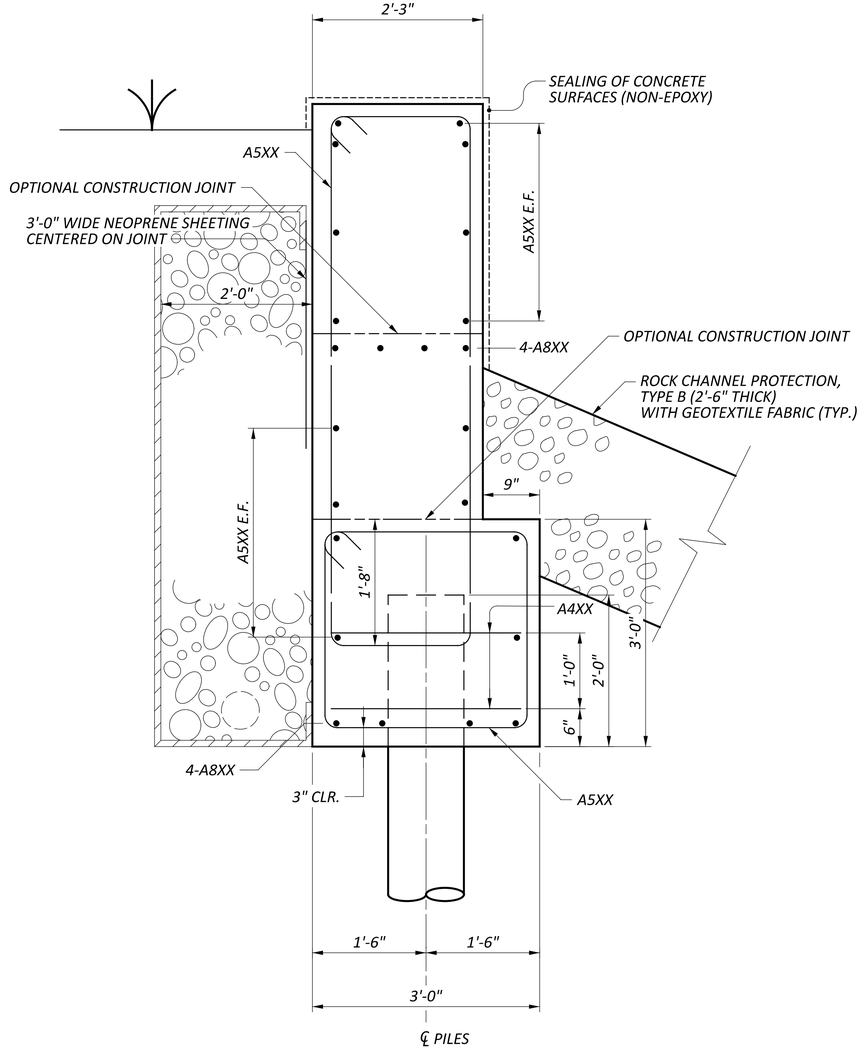


C5 C6 C12 C13 SECTION



B5 B6 SECTION

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. REFER TO SHEETS 9/18 TO 10/18 FOR SLAB DETAILS AND SHEETS 12/18 TO 13/18 FOR DIAPHRAGM DETAILS.

LEGEND

E.F. - EACH FACE

ABUTMENT SECTION
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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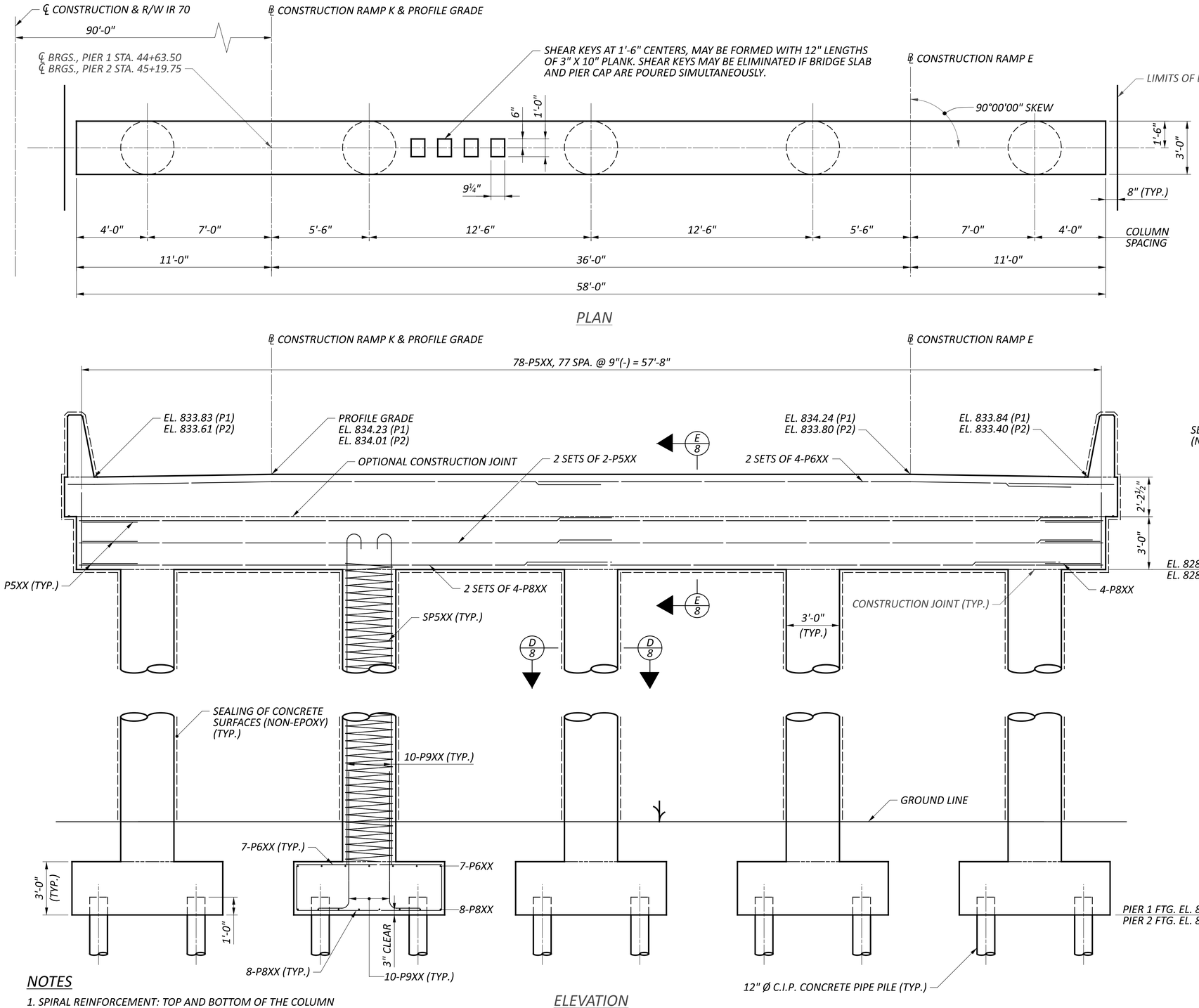
SFN 2301565
DESIGN AGENCY CARPENTER MARTY Transportation
DESIGNER BWR | CHECKER AMR
REVIEWER STK 4-24-25
PROJECT ID 96808
SUBSET 7 | TOTAL 18
SHEET P.1308 | TOTAL P.1556



NOTES

1. SPIRAL REINFORCEMENT: TOP AND BOTTOM OF THE COLUMN SPIRAL REINFORCEMENT SHALL BE EMBEDDED AN ADDITIONAL 1½ TURNS.
2. ELEVATIONS ARE TAKEN AT THE CENTERLINE OF THE PIER.
3. MINIMUM LAP SPLICE LENGTH:
   #5 BAR = 37 INCHES
   #6 BAR = 44 INCHES
   #8 BAR = 56 INCHES

PIER PLAN AND ELEVATION
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

SFN 2301565

DESIGN AGENCY: CARPENTER MARTY transportation

DESIGNER	CHECKER
CEH	AMR

REVIEWER: STK 4-24-25

PROJECT ID: 96808

SUBSET	TOTAL
8	18

SHEET	TOTAL
P.1309	P.1556

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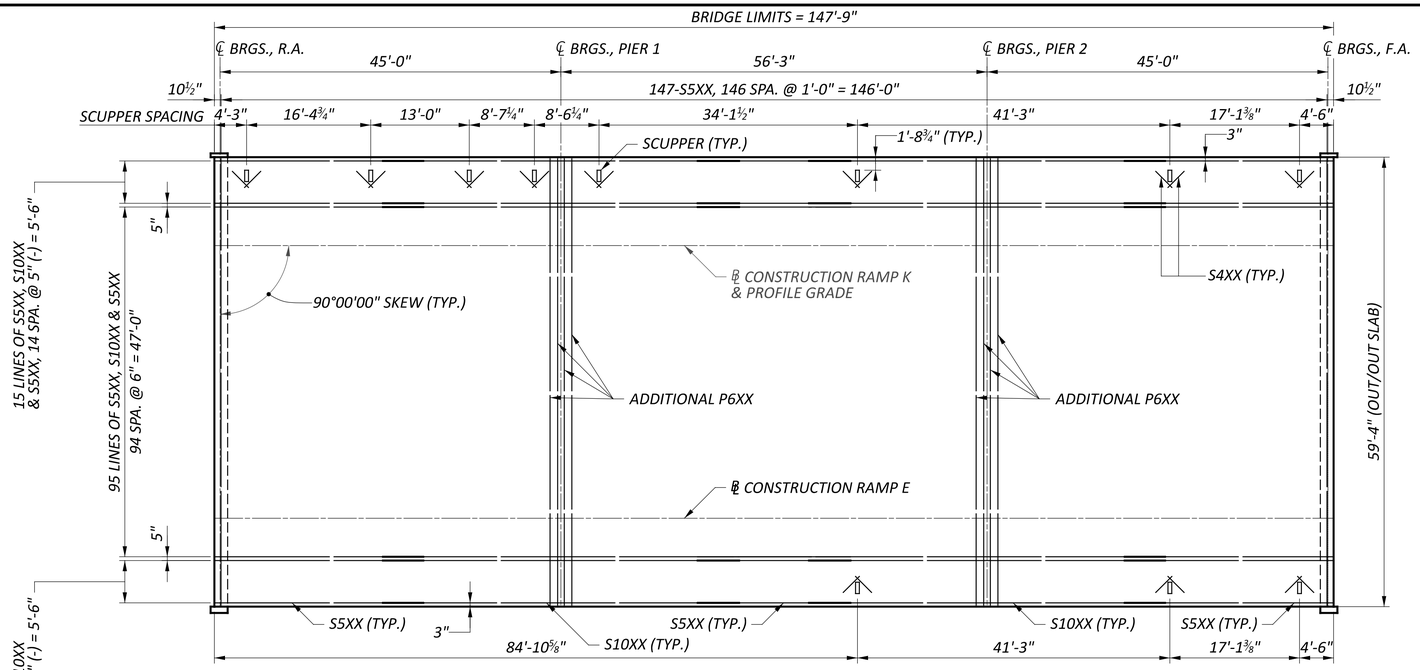
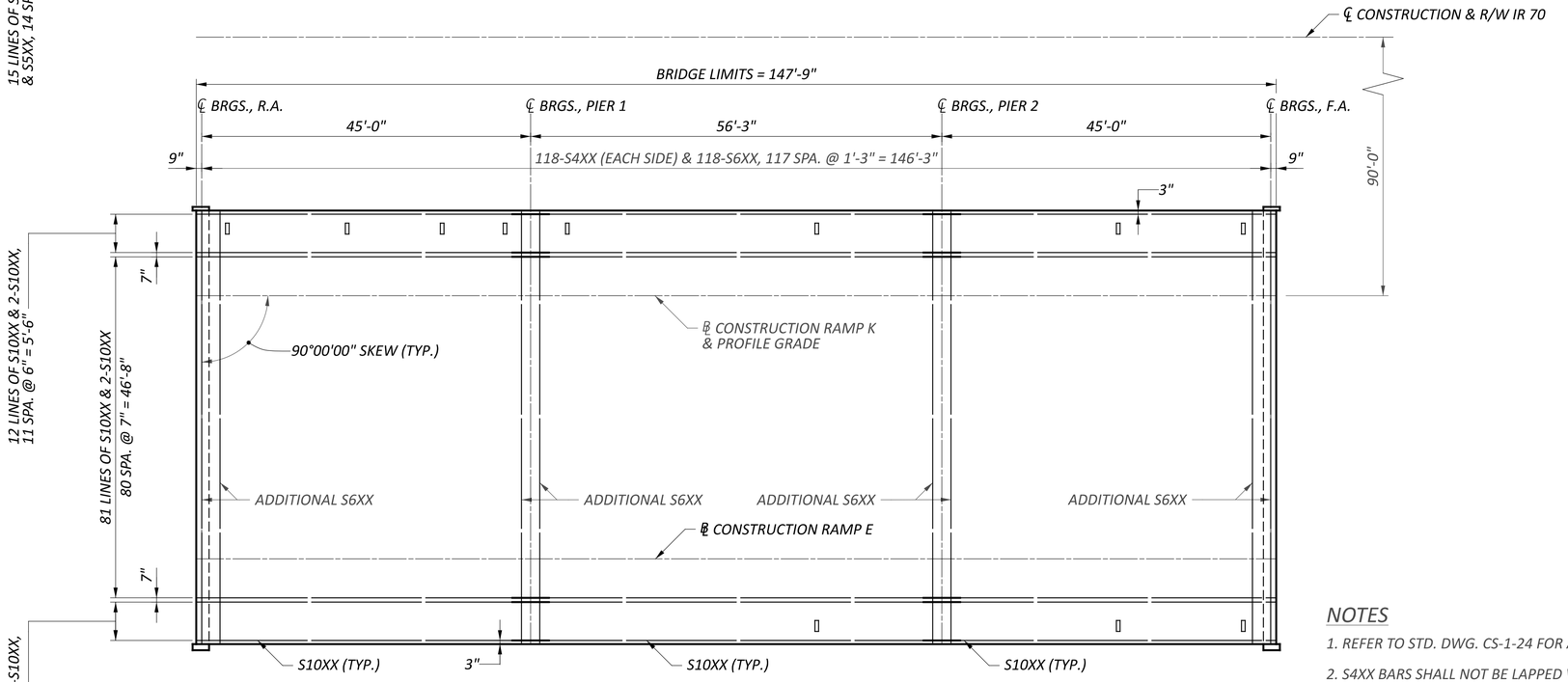


PLAN (TOP REINFORCING)



PLAN (BOTTOM REINFORCING)

NOTES

1. REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.
2. S4XX BARS SHALL NOT BE LAPPED WITH THE ADDITIONAL S6XX BARS PROVIDED AT THE ABUTMENTS AND PIERS.
3. REINFORCE THE CONCRETE DECK AT THE TWO SCUPPER CORNERS OPPOSITE THE CURB LINE WITH ONE S4XX BAR, 3'-0" LONG ORIENTED AT 45° TO THE LONG AXIS OF THE SCUPPER AND LOCATED JUST BELOW THE TRANSVERSE BARS IN THE TOP MAT OF STEEL S4XX BARS SHALL BE INCLUDED WITH ITEM 519 FOR PAYMENT.
4. TRIM REINFORCING STEEL AT SCUPPER AS NEEDED TO MAINTAIN CLEARANCE.

SLAB REINFORCEMENT PLAN
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
CEH	AMR

REVIEWER: STK 4-24-25

PROJECT ID: 96808

SUBSET	TOTAL
9	18

SHEET	TOTAL
P.1310	P.1556

FAI/LIC-IR 70-0.00/0.00

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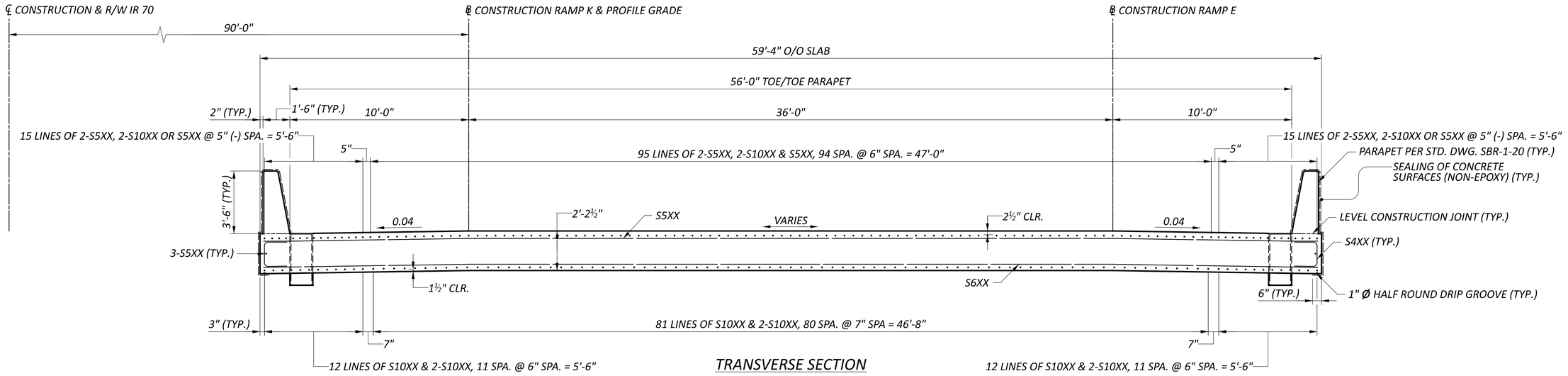
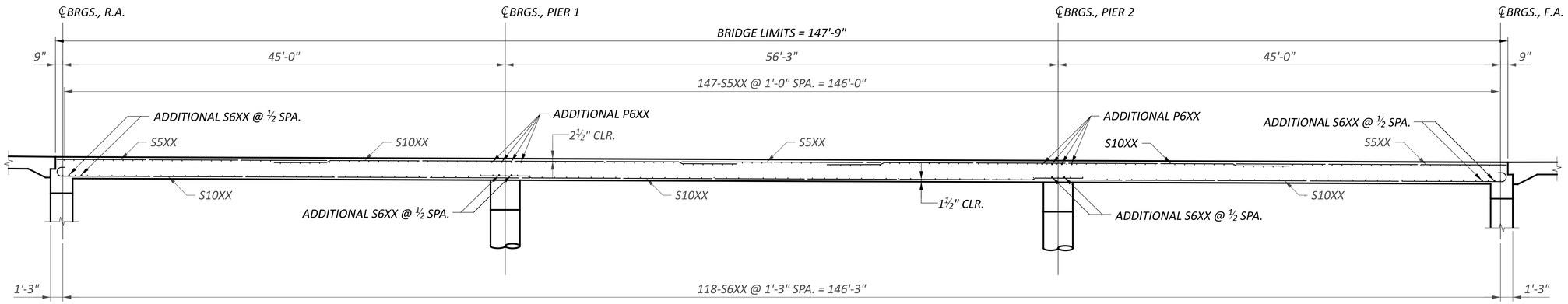
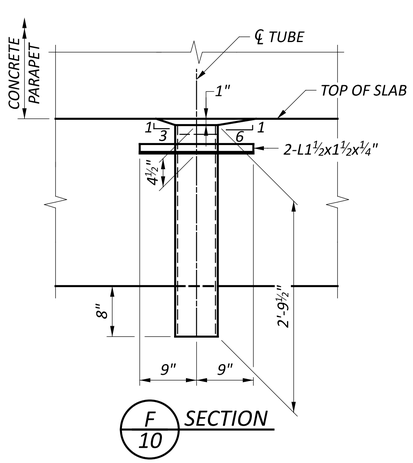


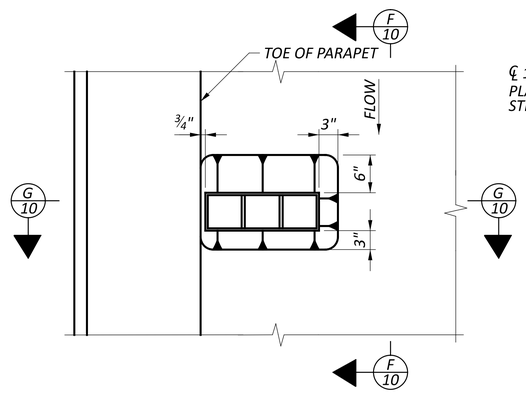
TRANSVERSE SECTION



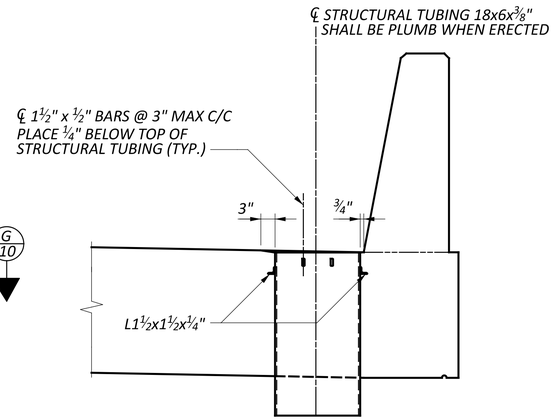
SLAB ELEVATION



F / 10 SECTION



SCUPPER PLAN



G / 10 SECTION

NOTE

REFER TO STD. DWG. CS-1-24 FOR ADDITIONAL NOTES AND DETAILS.

TRANSVERSE SECTION AND SLAB ELEVATION
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN	2301565
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	BWR
CHECKER	AMR
REVIEWER	STK 4-24-25
PROJECT ID	96808
SUBSET	10
TOTAL	18
SHEET	P.1311
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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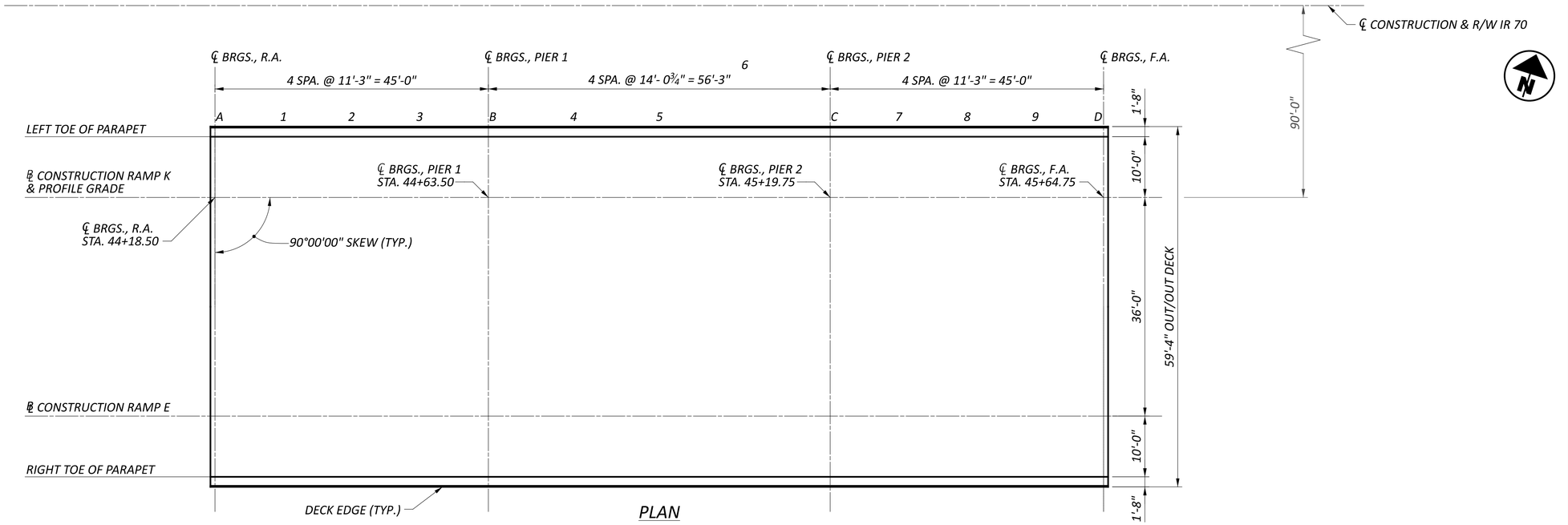
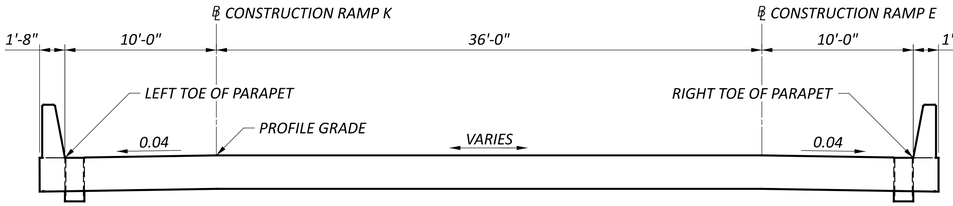


PLAN



TRANSVERSE SECTION

FINAL DECK SURFACE ELEVATIONS TABLE (FT.)														
LOCATION	DESCRIPTION	A	1	2	3	B	4	5	6	C	7	8	9	D
LEFT TOE OF PARAPET	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	834.16	834.07	833.98	833.90	833.83	833.75	833.69	833.65	833.61	833.60	833.59	833.60	833.61
BASELINE CONSTRUCTION RAMP K & PROFILE GRADE	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	834.56	834.47	834.38	834.30	834.23	834.15	834.09	834.05	834.01	834.00	833.99	834.00	834.01
BASELINE CONSTRUCTION RAMP E	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	834.76	834.61	834.48	834.36	834.24	834.11	833.99	833.89	833.80	833.74	833.69	833.65	833.62
RIGHT TOE OF PARAPET	STATION	44+18.50	44+29.75	44+41.00	44+52.25	44+63.50	44+77.56	44+91.63	45+05.69	45+19.75	45+31.00	45+42.25	45+53.50	45+64.75
	ELEVATION	834.36	834.21	834.08	833.96	833.84	833.71	833.59	833.49	833.40	833.34	833.29	833.25	833.22

NOTE

FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.

FAI/LIC-IR 70-0.00/0.00

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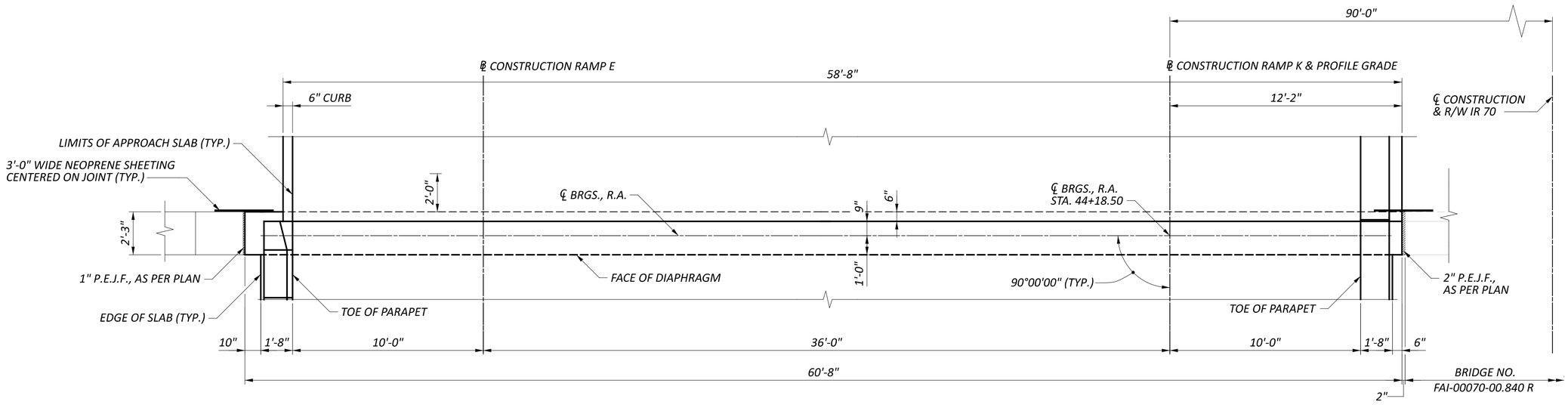
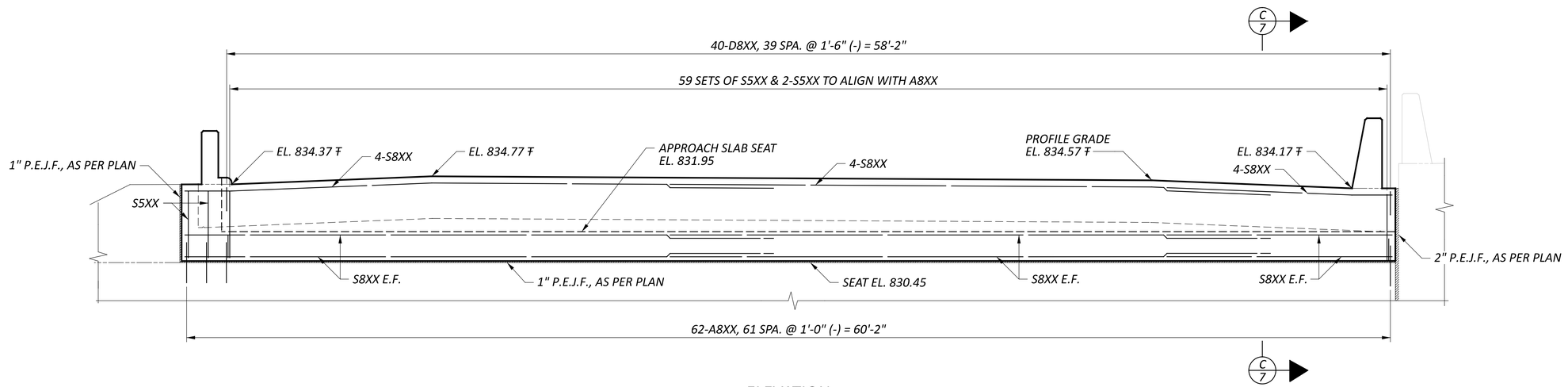
FINAL DECK ELEVATIONS
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565
DESIGN AGENCY CARPENTER MARTY transportation
DESIGNER CEH | CHECKER AMR
REVIEWER STK 4-25-25
PROJECT ID 96808
SUBSET 11 | TOTAL 18
SHEET P.1312 | TOTAL P.1556



PLAN



ELEVATION

LEGEND

₸ - ELEVATION TAKEN AT BRIDGE LIMITS

E.F. - EACH FACE

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.

2. MINIMUM LAP SPLICE LENGTH:
   #8 BAR = 64 INCHES

REAR ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN 2301565

DESIGN AGENCY
CARPENTER MARTY transportation

DESIGNER	CHECKER
CEH	AMR

REVIEWER: STK 4-25-25

PROJECT ID: 96808

SUBSET	TOTAL
12	18

SHEET	TOTAL
P.1313	P.1556

FAI/LIC-IR 70-0.00/0.00

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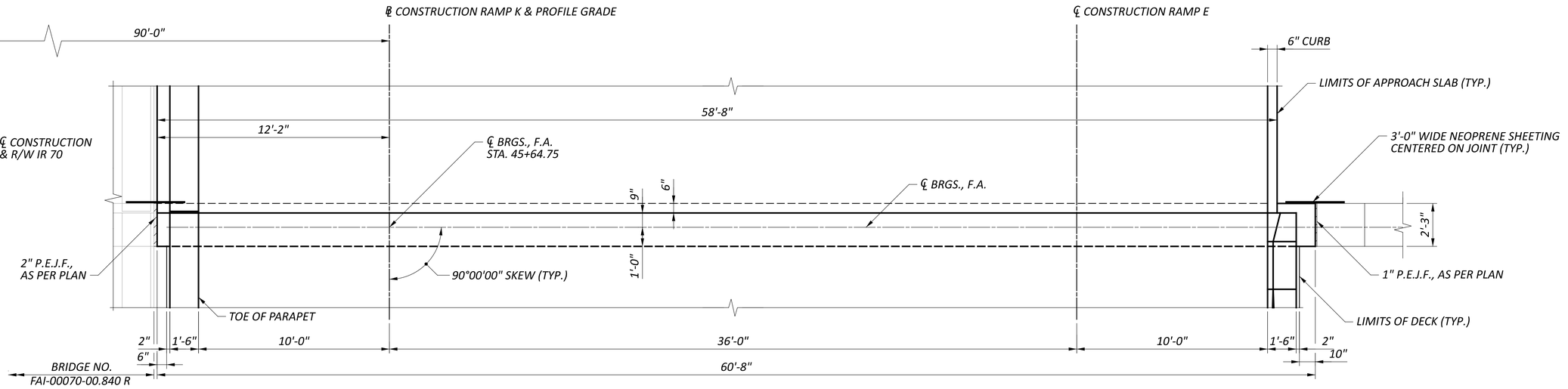
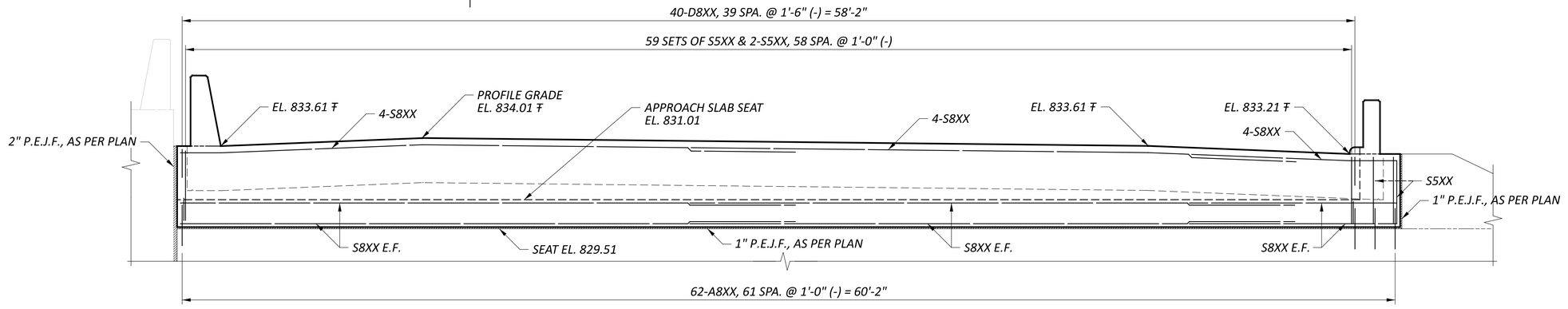


PLAN



ELEVATION

LEGEND

Ŧ - ELEVATION TAKEN AT BRIDGE LIMITS

E.F. - EACH FACE

NOTES

1. REFER TO STD. DWG. CPA-1-08 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #8 BAR = 64 INCHES

FORWARD ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN	2301565
DESIGN AGENCY	CARPENTER MARTY engineering
DESIGNER	CEH
CHECKER	AMR
REVIEWER	STK 4-25-25
PROJECT ID	96808
SUBSET	13
TOTAL	18
SHEET	P.1314
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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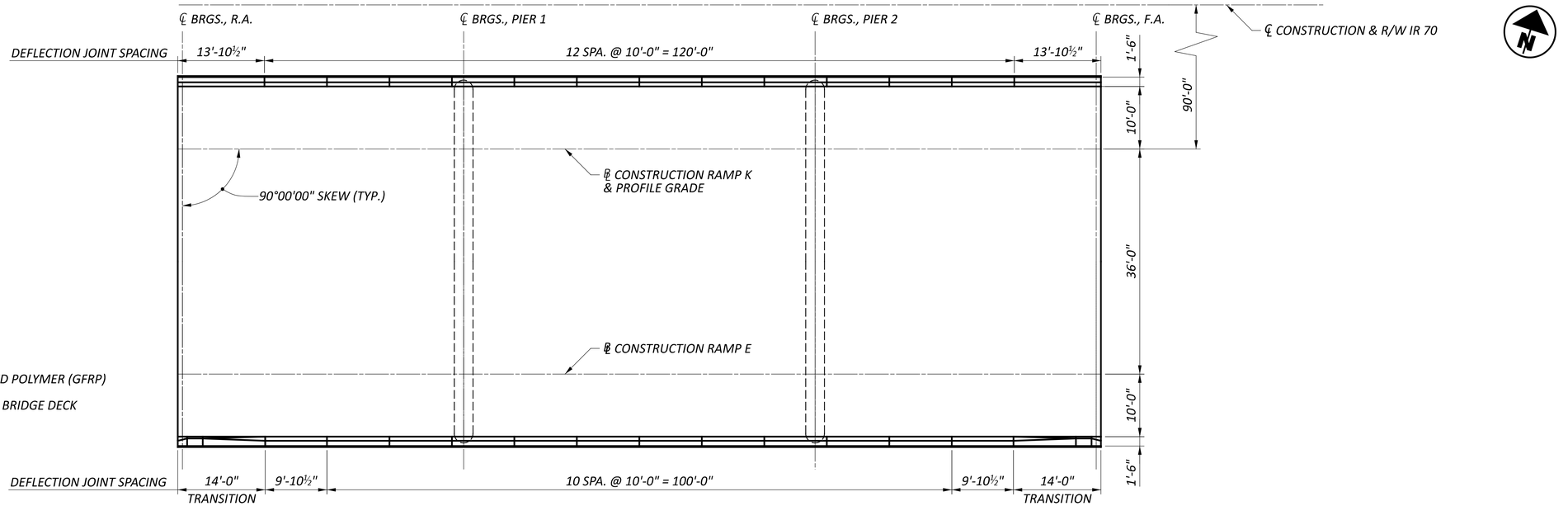


PLAN

LEGEND

E.F. - EACH FACE

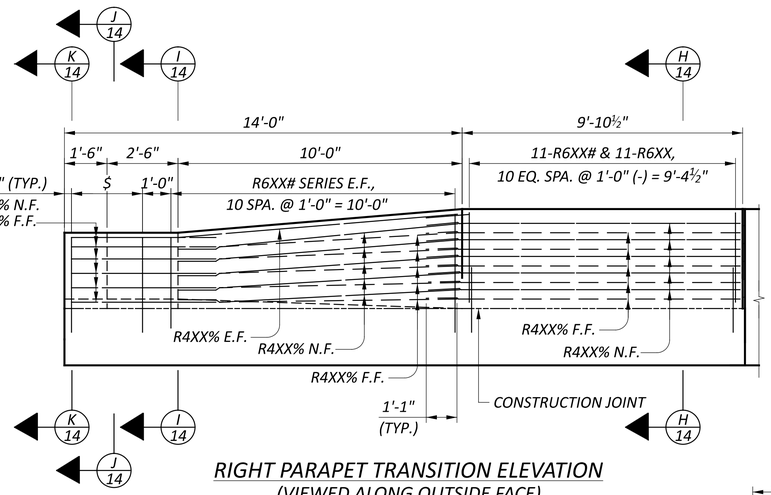
N.F. - NEAR FACE

F.F. - FAR FACE

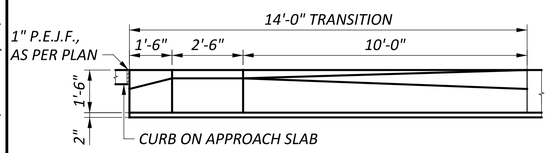
% - DENOTES BAR TO BE GLASS FIBER REINFORCED POLYMER (GFRP)

- BAR SHALL BE PLACED PRIOR TO POURING OF BRIDGE DECK

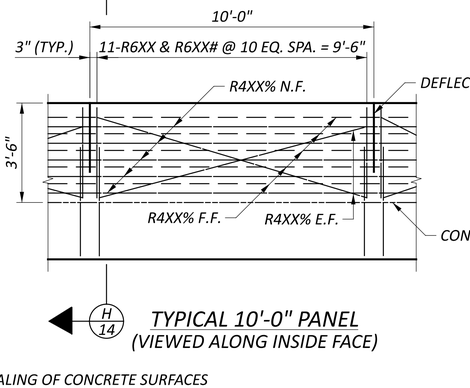
$ - 4-R6XX# E.F., 3 SPA. @ 10" = 2'-6"



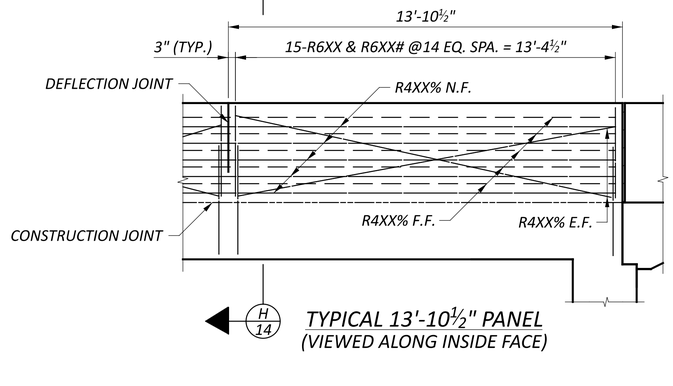
RIGHT PARAPET TRANSITION ELEVATION
(VIEWED ALONG OUTSIDE FACE)
FORWARD PARAPET SIMILAR



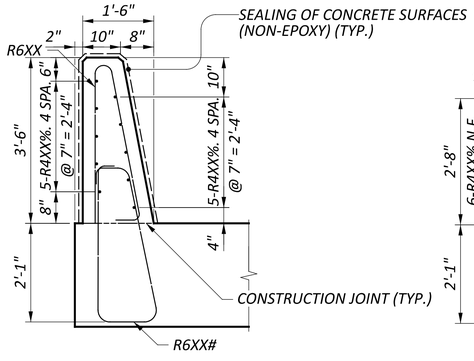
PARAPET TRANSITION PLAN
RIGHT REAR SHOWN, FORWARD SIMILAR



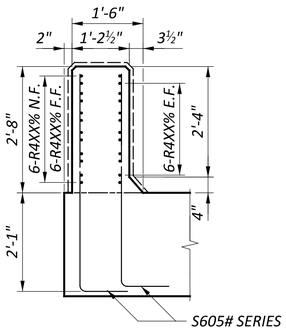
TYPICAL 10'-0" PANEL
(VIEWED ALONG INSIDE FACE)



TYPICAL 13'-10½" PANEL
(VIEWED ALONG INSIDE FACE)



H 14 SECTION



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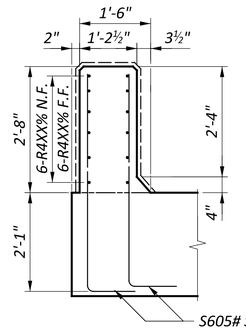

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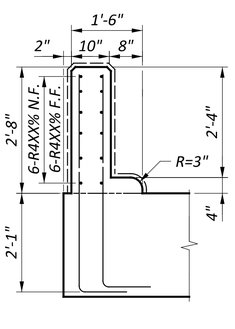

K 14 SECTION

NOTES

1. REFER TO STD. DWG. SBR-1-20 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP SPLICE LENGTH:
   #4 GFRP BAR = 13 INCHES

PARAPET DETAILS

BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN	2301565
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	CEH
CHECKER	AMR
REVIEWER	STK 4-25-25
PROJECT ID	96808
SUBSET	14
TOTAL	18
SHEET	P.1315
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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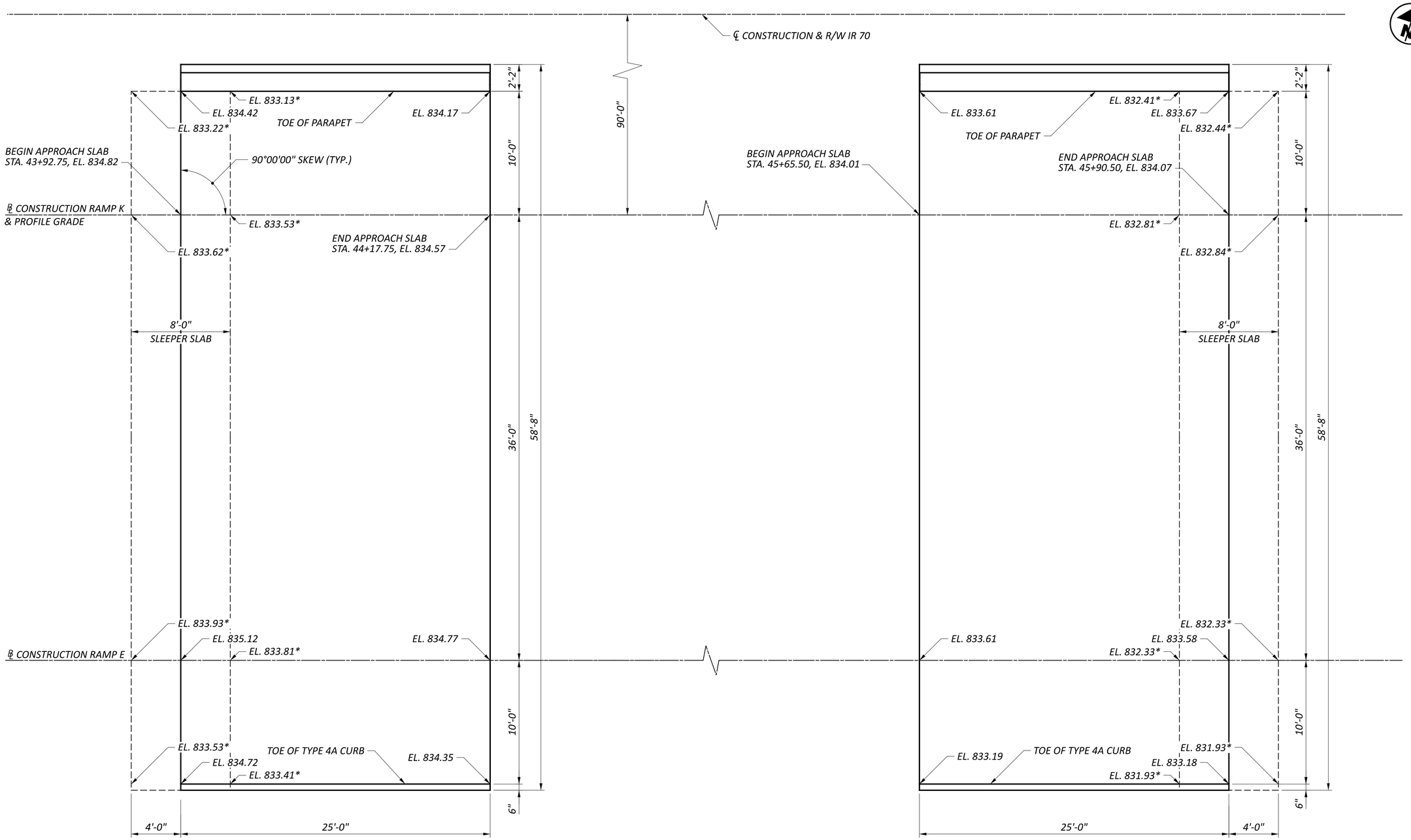

REAR APPROACH SLAB PLAN

FORWARD APPROACH SLAB PLAN

LEGEND

* - TOP OF SLEEPER SLAB ELEVATION

NOTES

1. REFER TO SHEET 2/18 FOR POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM DETAILS.
2. REFER TO STD. DWGS. AS-1-15 AND AS-2-15 FOR ADDITIONAL NOTES AND DETAILS.

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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SFN 2301565

DESIGN AGENCY CARPENTER MARTY transportation

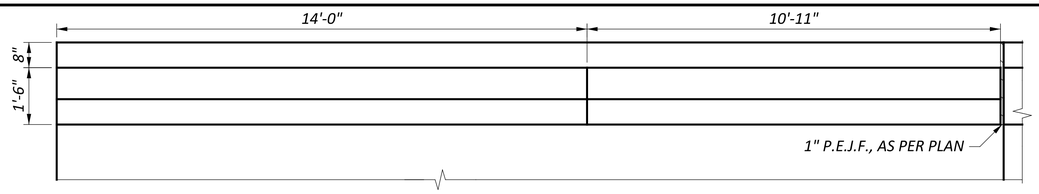
DESIGNER	CHECKER
CEH	AMR

REVIEWER STK 4-25-25

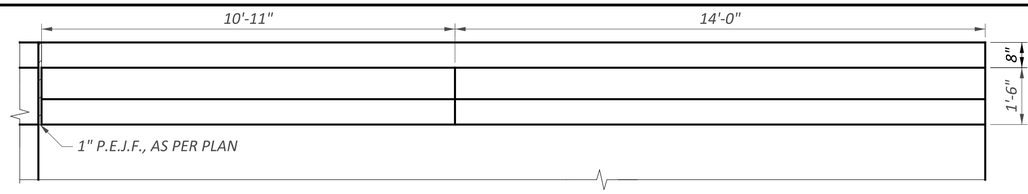
PROJECT ID 96808

SUBSET	TOTAL
15	18

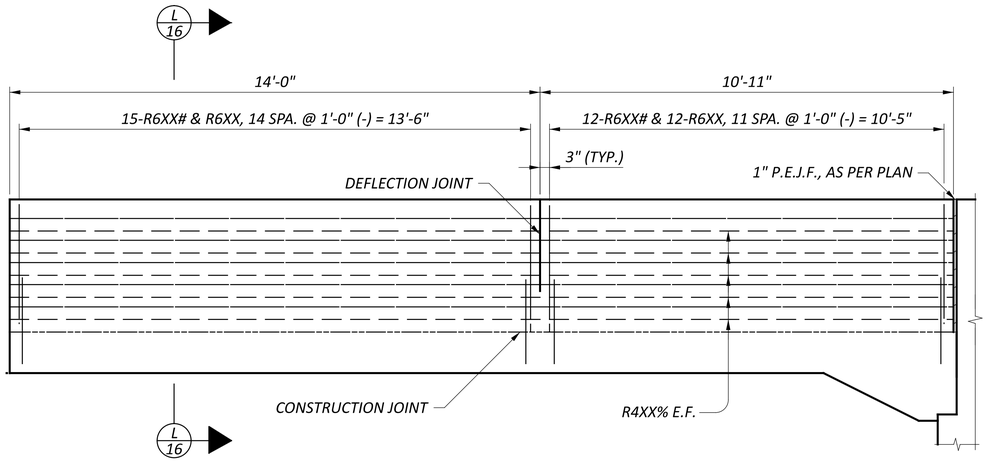
SHEET	TOTAL
P.1316	P.1556



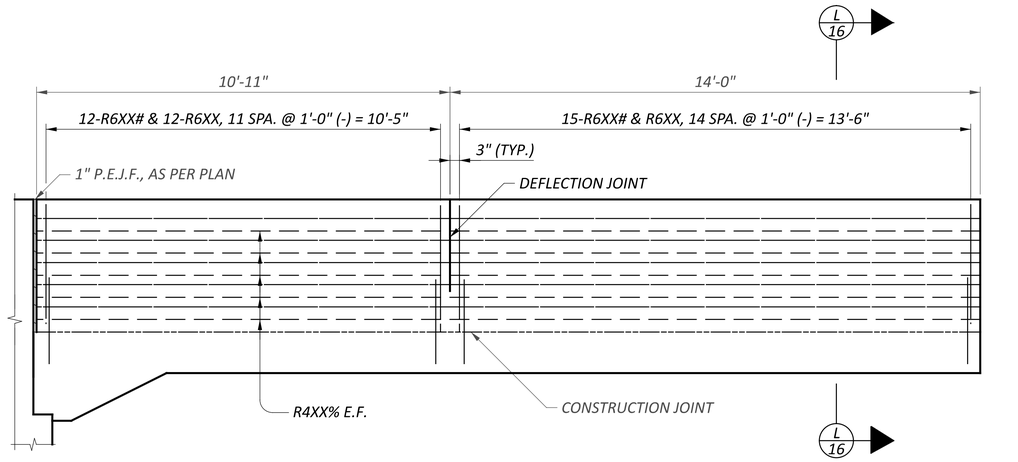
REAR APPROACH SLAB PARAPET PLAN
LEFT PARAPET SHOWN



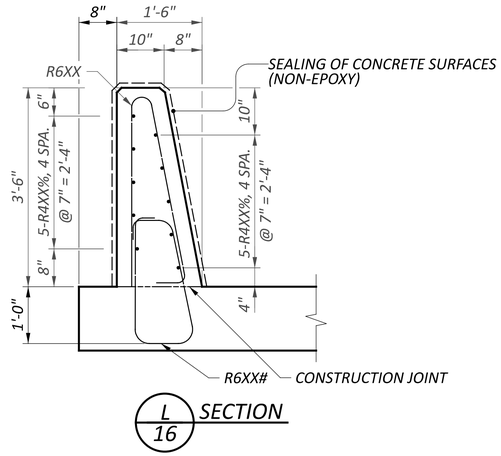
FORWARD APPROACH SLAB PARAPET PLAN
LEFT PARAPET SHOWN



REAR APPROACH SLAB PARAPET ELEVATION - LEFT PARAPET
(VIEWED ALONG OUTSIDE FACE)



FORWARD APPROACH SLAB PARAPET ELEVATION - LEFT PARAPET
(VIEWED ALONG INSIDE FACE)



L
16
SECTION

LEGEND

E.F. - EACH FACE

N.F. - NEAR FACE

F.F. - FAR FACE

% - DENOTES BAR TO BE GLASS FIBER REINFORCED POLYMER (GFRP)

- BAR SHALL BE PLACED PRIOR TO POURING OF APPROACH SLAB

NOTE

1. REFER TO STD. DWG. SBR-1-20 FOR ADDITIONAL NOTES AND DETAILS.

APPROACH SLAB PARAPET DETAILS
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN	2301565
DESIGN AGENCY	CARPENTER MARTY Transportation
DESIGNER	CEH
CHECKER	AMR
REVIEWER	STK 4-25-25
PROJECT ID	96808
SUBSET	16
TOTAL	18
SHEET	P.1317
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
SUPERSTRUCTURE (EPOXY COATED STEEL REINFORCEMENT - ECSR)												
	ECSR											
SUPERSTRUCTURE ECSR SUBTOTAL												

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
RAILING (EPOXY COATED STEEL REINFORCEMENT - ECSR)												
	ECSR											
RAILING ECSR SUBTOTAL												

BAR MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT			TYPE	DIMENSIONS						
		PIER 1	PIER 2	TOTAL		PIER 1	PIER 2	TOTAL		A	B	C	D	E	R	INC
PIERS (EPOXY COATED STEEL REINFORCEMENT - ECSR)																
	ECSR															

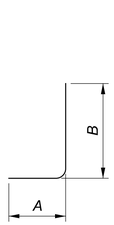
BAR MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
		REAR	FWD	TOTAL				A	B	C	D	E	R	INC
ABUTMENTS (EPOXY COATED STEEL REINFORCEMENT - ECSR)														
	ECSR													
ABUTMENT ECSR SUBTOTAL														

BAR MARK	MATERIAL TYPE	TOTAL	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
						A	B	C	D	E	R	INC
RAILING (GLASS FIBER REINFORCED POLYMER REINFORCEMENT - GFRP)												
	GFRP											
SUPERSTRUCTURE GFRP SUBTOTAL												

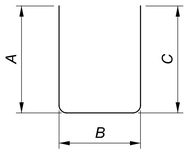
NOTE

THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A NO. 5 BAR. BAR DIMENSIONS ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.

BENDING DIAGRAM



TYPE-1



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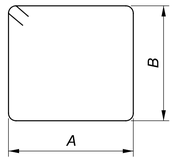

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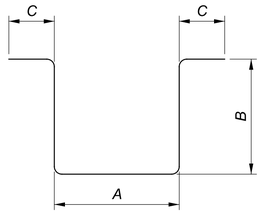

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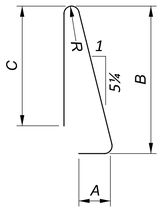

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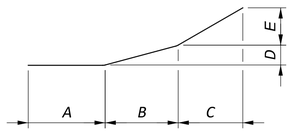

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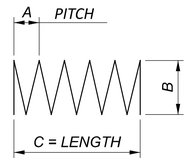

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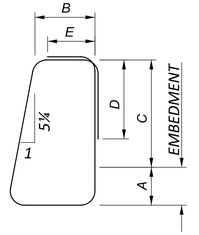

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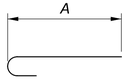
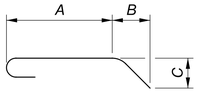


TYPE-16



TYPE-17



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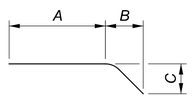

TYPE-19

CONCRETE REINFORCEMENT BAR LIST
BRIDGE NO. FAI-00070-00.840 CD
CD ROAD OVER BLACKLICK CREEK

SFN	2301565
DESIGN AGENCY	CARPENTER MARTY transportation
DESIGNER	CEH
CHECKER	AMR
REVIEWER	STK 4-25-25
PROJECT ID	96808
SUBSET	18
TOTAL	18
SHEET	P.1319
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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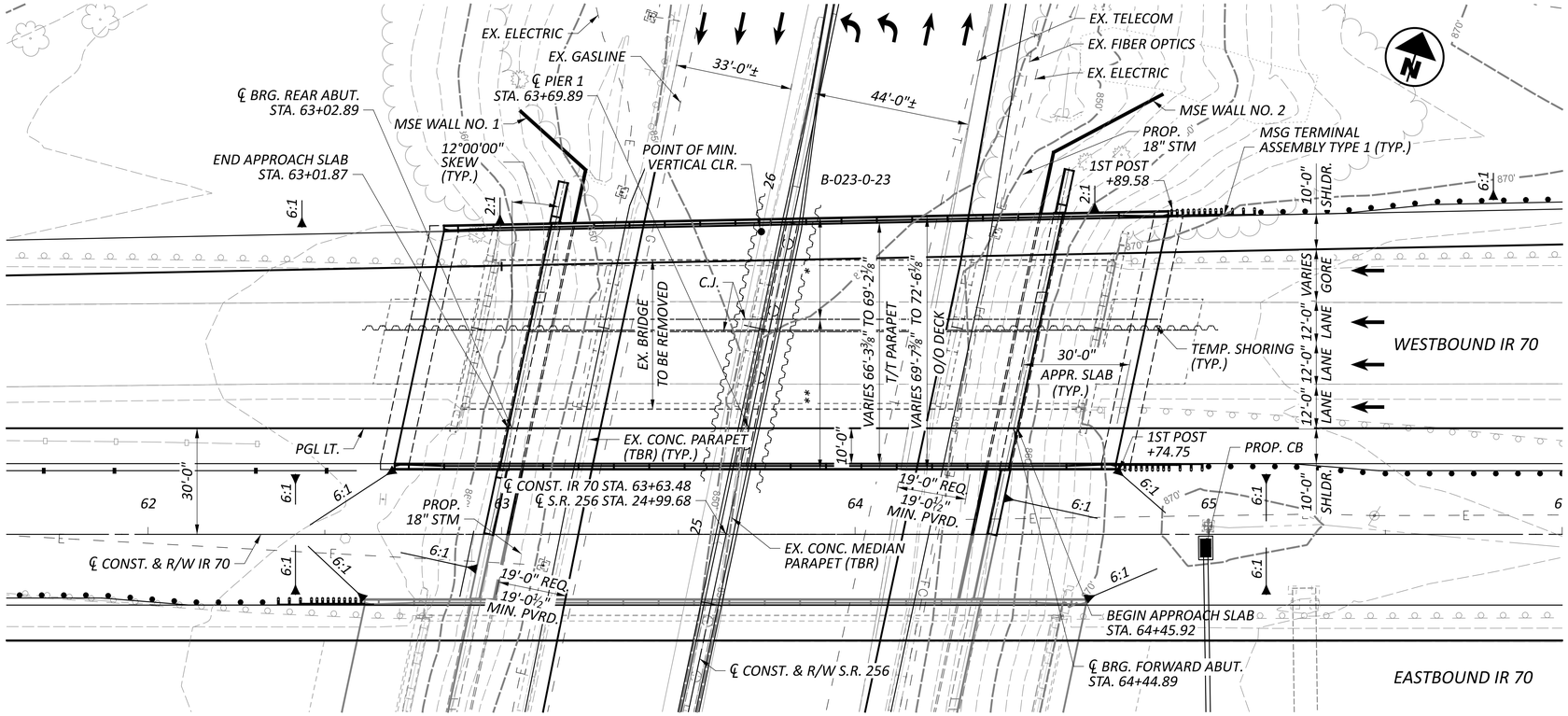
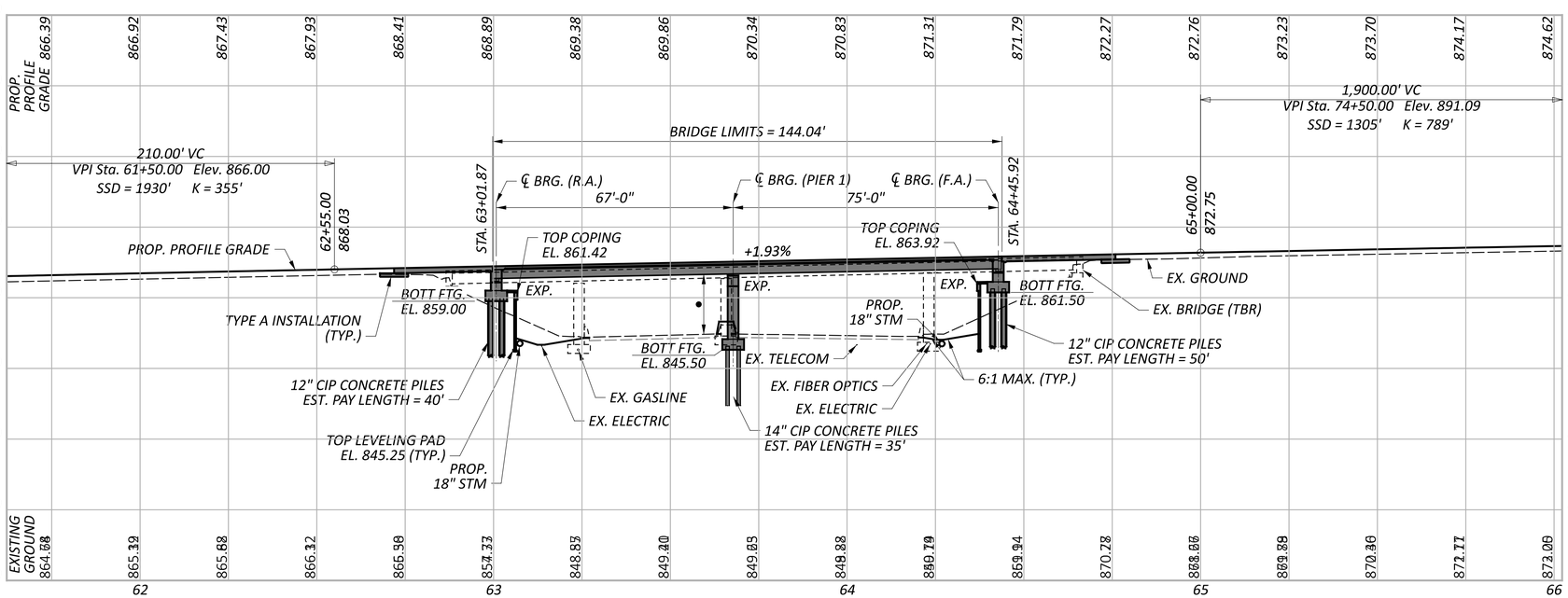


PLAN



PROFILE - ALONG PGL LT

BENCHMARK DATA

C.P. 208 STA.	35+84.10,	ELEV.	851.61,	OFFSET	113.98',	RT
C.P. 209 STA.	76+56.01,	ELEV.	890.18,	OFFSET	141.75',	LT

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.0020

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2030 ADT = 56,680 *2030 ADTT = 6,240*
2050 ADT = 76,150 *2050 ADTT = 8,380*
DIRECTIONAL DISTRIBUTION = 50%

LEGEND

- ⊕ - *PROJECT BORING LOCATION*
- ● - *15'-6" REQUIRED MINIMUM VERTICAL CLEARANCE*
  15'-9¼" ACTUAL MINIMUM VERTICAL CLEARANCE
- * - *VARIES 27'-1⅜" TO 30'-0⅛" PHASE 4A CONSTRUCTION*
- ** - *42'-6" PHASE 4B CONSTRUCTION*
- *TBR - TO BE REMOVED*

EXISTING STRUCTURE

TYPE: NON-COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIERS AND STUB ABUTMENTS WITH SPREAD FOOTING FOUNDATIONS

SPANS: 34'-6"±, 43'-0"±, 57'-0"±, 40'-0"±
ROADWAY: 39'-0"± TOE/TOE PARAPET
LOADING: CF 2000 (57)
SKEW: 12°00'00"± L.F.
WEARING SURFACE: 1¾"± SDC OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: TANGENT
CROWN: 0.016± FT/FT
STRUCTURE FILE NUMBER: 2301628
DATE BUILT: 1967
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIER AND SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS

SPANS: 67'-0", 75'-0" C/C BRG.
ROADWAY: 66'-3⅜" TO 69'-2⅛" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL-93
FUTURE WEARING SURFACE: 60 PSF
SKEW: 12°00'00" L.F.
APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15 TYPE A)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 10,370 SF

COORDINATES: LATITUDE 39°56'01.38" N
LONGITUDE 82°47'22.61" W

HORIZONTAL SCALE IN FEET
0 5 10 20

SITE PLAN
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 1 | TOTAL 35
SHEET P.1320 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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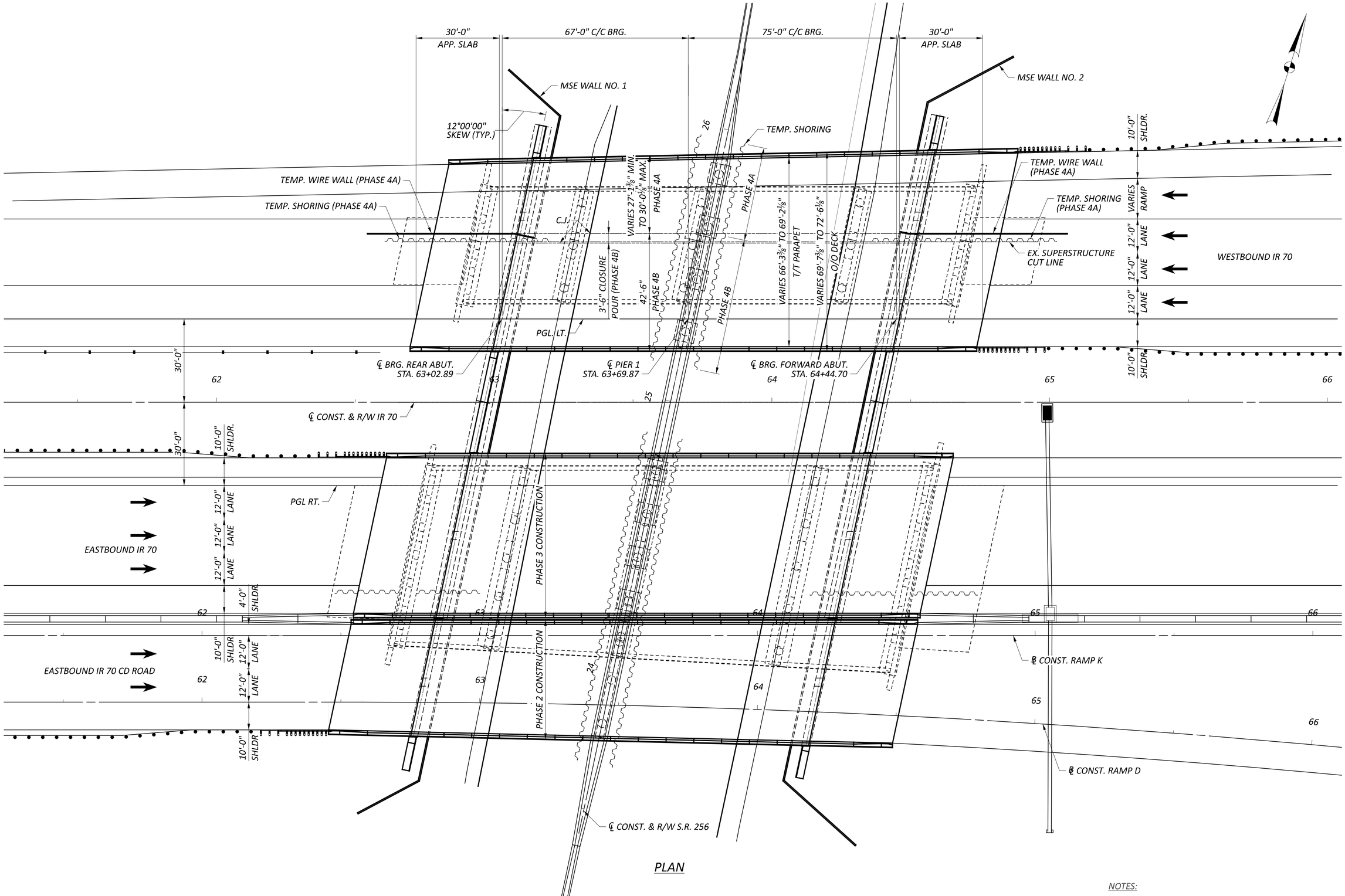

PLAN

NOTES:

1. FOR MSE WALL AND TEMPORARY WIRE WALL DETAILS, SEE MSE WALL NO. 1 AND MSE WALL NO. 2 PLANS.

GENERAL PLAN
BRIDGE NO FAI-00070-01190
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	2
TOTAL	35
SHEET	P.1321
TOTAL	P.1556

CTY-RTE-SECTION

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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
GSD-1-19	REVISED	07-19-24
PCB-91	REVISED	07-17-20
SBR-1-20	REVISED	07-19-24
SICD-2-14	REVISED	01-15-21

AND THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

SS846	REVISED	04-17-15

DESIGN SPECIFICATIONS:

THE PROPOSED WORK CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING:

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.060 KSF

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI (DECK, PARAPET, SUBSTRUCTURES)

GFRP REINFORCEMENT (PARAPET)

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN:

DESCRIPTION:
THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING STRUCTURE. THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED, I.E. THE EXISTING STRUCTURE USED FOR MAINTAINING TRAFFIC. THE USE OF EXPOSIVES, HEADACHE BALLS, HOE RAM TYPE EQUIPMENT, AND TRACK HOE PULVERIZER/ SHEAR/MULTI-PROCESSOR ATTACHMENTS IS PROHIBITED FOR REMOVAL OF THE EXISTING ABUTMENT AND PIER COMPONENETS WITHIN 18 INCHES OF PORTIONS TO BE PRESERVE, I.E. PORTIONS TO REMAIN FOR MAINTAINING TRAFFIC. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

PROTECTION OF TRAFFIC:
THE CONTRACTOR SHALL SUBMIT PLANS FOR THE PROTECTION OF TRAFFIC (VEHICULAR, PEDESTRIAN, ETC.) AS PER CMS 501.05.B.2.

REMOVAL METHODS:
THE CONTRACTOR MAY REMOVE EXISTING SUBSTRUCTURE CONCRETE BY CUTTING AND BY MEANS OF APPROVED HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS IN THE AREA DESCRIBED ABOVE. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED.

MEASUREMENT AND PAYMENT:
THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202,STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

PAINTING OF STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 514 OF THE C&MS.

THE FINISH COAT COLOR SHALL BE BROWN FS-595C-10324.

SURFACE SMOOTHNESS FOR BRIDGES AND APPROACHES:

AT THE COMPLETION OF WORK FOR ALL PHASES OF CONSTRUCTION AND PRIOR TO OPENING THE BRIDGE TO TRAFFIC, THE CONTRACTOR SHALL PERFORM THE FOLLOWING AS PER PROPOSAL NOTE 555:

1. CLEAN, SWEEP, AND PREPARE THE FINAL DECK AND FINAL ROADWAY SURFACE.
2. MEASURE, GRIND, AND RE-MEASURE THE BRIDGE AND/OR ROADWAY AS NECESSARY.
3. GROOVE THE BRIDGE DECK.

PILE DRIVING CONSTRAINTS:

PRIOR TO DRIVING ABUTMENT PILES TO THE ULTIMATE BEARING VALUE (UBV), CONSTRUCT THE MSE WALL AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENT UP TO THE BOTTOM OF THE FOOTING FOR A MINIMUM DISTANCE OF (1) BEHIND EACH ABUTMENT. THE CONTRACTOR MAY PRE-DRIVE ABUTMENT PILES BEFORE CONSTRUCTING MSE WALLS. PREDRIVING CONSISTS OF INSTALLING THE ABUTMENT PILES INTO THE SOIL ONLY AS FAR AS NECESSARY SO THAT THE PILE WILL REMAIN VERTICAL DURING MSE WALL CONSTRUCTION. IF PRE-DRIVING PILES, INSTALL PILE SLEEVES AROUND PILES BEFORE CONSTRUCTING THE MSE WALL. PROVIDE AT LEAST 3-FT OF PILE ABOVE THE TOP OF THE PILE SLEEVE TO MEET THE REQUIREMENTS OF C&MS 507.09 REGARDING SPLICES. DO NOT DRIVE ABUTMENT PILES TO THE (UBV) UNTIL AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND A (2) CALENDAR DAY WAITING PERIOD HAS ELAPSED. THE ENGINEER MAY ADJUST THE LENGTH OF THE WAITING PERIOD BASED ON SETTLEMENT PLATFORM READINGS. AFTER THE SPECIFIED WAITING PERIOD HAS ELAPSED, DRIVE ABUTMENT PILES TO THE (UBV). IN ORDER TO REMOVE ANY NEGATIVE SKIN FRICTION THAT HAS DEVELOPED DURING THE WAITING PERIOD, DRIVE EACH ABUTMENT PILE A DISTANCE OF AT LEAST 0.5-IN.

IF NOT PRE-DRIVING ABUTMENT PILES, INSTALL THE ABUTMENT PILES THROUGH PILE SLEEVES AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND THE SPECIFIED WAITING PERIOD HAS ELAPSED.

PILES DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE IS 286 KIPS PER PILE FOR THE ABUTMENT PILES. THE ULTIMATE BEARING VALUE IS 429 KIPS PER PILE FOR THE PIER 1 PILES.

REAR ABUTMENT PILES:
12" CIP REINFORCED CONCRETE PILES 45 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 1 PILES:
14" CIP REINFORCED CONCRETE PILES 40 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

FORWARD ABUTMENT PILES:
12" CIP REINFORCED CONCRETE PILES 55 FEET LONG, ORDER LENGTH

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF $\frac{3}{8}$ INCH FOR THE 12"CAST-IN PLACE REINFORCED CONCRETE PILES AND $\frac{5}{16}$ INCH FOR THE 14" CAST-IN-PLACE REINFORCED CONCRETE PILES.

DECK PLACEMENT DESIGN ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.32 KIPS.

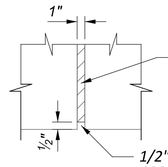
A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 IN.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65".

ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:

ALL 1" PEJF CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER 1/2" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION FOR MAXIMUM EFFECTIVENESS.



1" PREFORMED CORK EXPANSION JOINT FILLER

1/2" DECK-O-SEAL GUN GRADE JOINT SELANT OR APPROVED AQUAL, OVER 1" PREFORMED CORK EXPANSION JOINT FILLER IN ACCORDANCE WITH ARTIC 705.03

DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

GENERAL NOTES - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 3 | TOTAL 35
SHEET P.1322 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:49:45 PM USER: brieder
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ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN:

IN ADDITION TO THE WORK ITEMS REQUIRED IN 511, THESE ITEMS WILL INCLUDE THE DEVELOPMENT, DELIVERY AND PLACEMENT OF A CLASS QC2 AND QC1 SELF CONSOLIDATING CONCRETE MIX DESIGN AS DESCRIBED IN THE FOLLOWING NOTE:

PROVIDE A CONCRETE MIX WITH THE FOLLOWING PROPERTIES:

SELF-CONSOLIDATING CONCRETE (SCC): WHEN REQUIRED IN THE DESIGN PLANS OR APPROVED BY THE ENGINEER, PROVIDE AN SCC MIX WITH AGGREGATE GRADATIONS WITHIN ZONE II OF THE COARSENESS FACTOR CHART THAT IS FLOWABLE, NON-SEGREGATING CONCRETE THAT CAN SPREAD INTO PLACE, FILL THE FORMWORK, AND ENCAPSULATE THE REINFORCEMENT WITHOUT MECHANICAL CONSOLIDATION. INCREASING THE AMOUNT OF AN APPROVED 705.12 (SCC) ADMIXTURE OF AN APPROVED JMF TO ACHIEVE THE DESIRED CONSISTENCY; RE-PROPORTIONING THE AGGREGATES WITHIN ZONE II; ADDING CEMENTITIOUS MATERIAL; AND INCLUDING A VISCOSITY MODIFYING ADMIXTURE (VMA) ARE ACCEPTABLE METHODS OF IMPROVING THE STABILITY OF THE MIX. A NEW MIX DESIGN IS NOT REQUIRED.

SLUMP REQUIREMENTS OF TABLE 499.04-1 DO NOT APPLY.

ESTABLISH QUALITY CONTROL PROCEDURES IN THE QUALITY CONTROL PLAN FOR SCC CONCRETE. SET THE TARGET SLUMP FLOW FOR THE MIX AND MAINTAIN THE FLOW WITHIN ` 2 INCHES. VISUALLY INSPECT THE STABILITY OF THE MIX TO ENSURE THAT THERE IS NO AGGREGATE PILE IN THE MIDDLE OF, NOR MORTAR HALO IN EXCESS OF ½ INCH ON THE LEADING EDGE OF THE SLUMP FLOW TEST PILE. TEST THE SLUMP FLOW ACCORDING TO ASTM C1611.

GRADATION:

PROVIDE A WELL-GRADED CONCRETE MIX BY MAINTAINING THE GRADATION OF THE COMBINATION OF AGGREGATES WITHIN ZONE II (OPTIMAL) OF THE COARSENESS FACTOR CHART (FIGURE 1) AS DEFINED IN THE COMPASS OR EQUAL SOFTWARE. USE A 1 INCH NOMINAL MAXIMUM SIZE AGGREGATE. ENSURE THAT THE DESIGN YIELD IS 27.0 CU. FT.

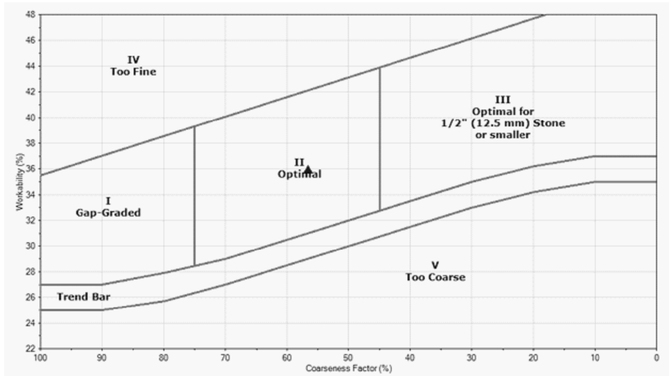


FIGURE 1- COARSENESS FACTOR CHART

USE THE FOLLOWING SIEVE SIZES TO DETERMINE THE GRADATION OF THE AGGREGATES:

1 1/2 INCH	*# 8*
1 INCH	*# 16*
3/4 INCH	*# 30*
1/2 INCH	*# 50*
3/8 INCH	*# 100*
#4	*# 200*

IN THE CHART:
WORKABILITY FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT PASSES THE NO. 8 SIEVE. COARSENESS FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT IS RETAINED ON THE NO. 8 SIEVE THAT IS ALSO RETAINED ON THE 3/8 IN. SIEVE. THE CHART IS BASED ON A CEMENT CONTENT OF 564 LBS /CU.YD. ADJUST TO WORKABILITY PROPORTIONATELY AND DIRECTLY BY 2.5% PER 94 LBS. OF CEMENT WHEN USING EITHER LESS OR MORE. ENSURE THAT THE CONCRETE MIX DESIGN IS WORKABLE AND FINISHABLE DURING THE TRIAL PROCESS. WHEN THE MIX IS DETERMINED TO HAVE ISSUES RELATING TO WORKABILITY OR FINISHABILITY IN THE FIELD, THE DEPARTMENT MAY RESCIND THE MIX DESIGN ACCEPTANCE.

THIS S.C.C. CONCRETE IS BEING UTILIZED TO BEST FILL THE FORMLINED CONCRETE POURS WHERE SPECIFIED IN THIS PLAN.

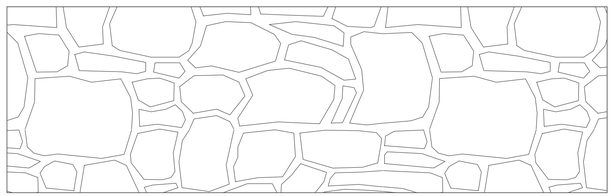
THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 2626 LIGHT GRAY AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL.
THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

PAYMENT WILL INCLUDE DEVELOPMENT AND PLACEMENT OF THE SELF CONSOLIDATING CONCRETE MIX, ALL AESTHETIC TREATMENT INCLUDING THE CONCRETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN



ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	*PANEL SURFACE TREATMENT:*	*SPECIFICATIONS:*
CUSTOM ROCK INTERNATIONAL	*NEW ENGLAND DRYSTACK # 12003*	*MAX RELIEF 1⅜" LINER THICKNESS 2¼" STONE SIZE 3" TO 24"*
SPEC FORMLINERS, INC.	*WASHINGTON DRYSTACK # 1581*	*MAX RELIEF 1½" LINER THICKNESS 2⅜" STONE SIZE 4" TO 24"*
APPROVED EQUAL	*APPROVED EQUAL*	*APPROVED EQUAL*

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	*= ABUTMENT*
A.T.G.	*= ADJUST TO GRADE*
BRG.	*= BEARING*
CB	*= CATCH BASIN*
C/C	*= CENTER -TO-CENTER*
C.J.	*= CONSTRUCTION JOINT*
CLR.	*= CLEARANCE*
CONST.	*= CONSTRUCTION*
DIA.	*= DIAMETER*
DWG.	*= DRAWING*
EA.	*= EACH*
E.F.	*= EACH FACE*
EL.	*= ELEVATION*
EST.	*= ESTIMATED*
EX.	*= EXISTING*
F.A.	*= FORWARD ABUTMENT*
F.D.S.	*= FINAL DECK SURFACE*
F.F.	*= FAR FACE*
INV.	*= INVERT*
LT.	*= LEFT*
MH	*= MANHOLE*
N.P.C.P.P.	*= NON-PERFORATED CORRUGATED PLASTIC PIPE*
N.F.	*= NEAR FACE*
O/O	*= OUT-TO-OUT*
P.C.P.P.	*= PERFORATED CORRUGATED PLASTIC PIPE*
PEJF	*= PREFORMED EXPANSION JOINT FILLER*
PROP.	*= PROPOSED*
R.A.	*= REAR ABUTMENT*
REQD.	*= REQUIRED*
RT.	*= RIGHT*
SER.	*= SERIES*
SHLD.	*= SHOULDER*
SPA.	*= SPACES*
STA.	*= STATION*
STD.	*= STANDARD*
STM	*= STORM SEWER LINE*
T&B	*= TOP AND BOTTOM*
T/S	*= TOP OF SLOPE*
T/T	*= TOE-TO-TOE*
TYP.	*= TYPICAL*
UN	*= UNLESS NOTED*

GENERAL NOTES - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 4 | TOTAL 35
SHEET P.1323 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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ESTIMATED QUANTITIES

CALCULATED BY: SJF DATE: 4/18/25
CHECKED BY: ABD DATE: 4/21/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
202	11003		LS	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	2/35
202	22900	133	SY	APPROACH SLAB REMOVED				133	
202	23500	133	SY	WEARING COURSE REMOVED				133	
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING				LS	
503	21300		LS	UNCLASSIFIED EXCAVATION				LS	
505	11100		LS	PILE DRIVING EQUIPMENT MOBILIZATION				LS	
507	00500	2440	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	2440				
507	00550	2710	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	2710				
507	00600	700	FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		700			
507	00650	800	FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED		800			
509	10000	#####	LB	EPOXY COATED STEEL REINFORCEMENT	33800	15850	#####		
509	30020	4500	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			4500		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2				
511	34446	353	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			353		
511	34451	66	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN			66		3/35
511	41012	49	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		49			
511	44113	74	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN	74				3/35
511	46512	163	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	139	24			
512	10050	722	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	96	143	483		
512	33000	25	SY	TYPE 2 WATERPROOFING	25				
513	10260	#####	LB	STRUCTURAL STEEL MEMBERS, LEVEL 3			#####		
513	20000	7371	EACH	WELDED STUD SHEAR CONNECTORS			7371		
514	00060	14761	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			14761		
514	00066	14761	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			14761		
514	10000	7	EACH	FINAL INSPECTION REPAIR			7		
516	13601	67	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	50		17		2/35
516	13901	49	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	49				2/35
516	14020	164	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	164				
516	44100	9	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)		9			
516	44101	18	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	18				22/35
518	21200	83	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	83				
518	40000	208	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	208				
518	40010	100	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	100				
523	20000	2	EACH	DYNAMIC LOAD TESTING	1	1			
526	30010	474	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")				474	
526	90010	146	FT	TYPE A INSTALLATION				146	
846	00110	62	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				62	

STRUCTURE ESTIMATED QUANTITIES
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 5 | TOTAL 35
SHEET P.1324 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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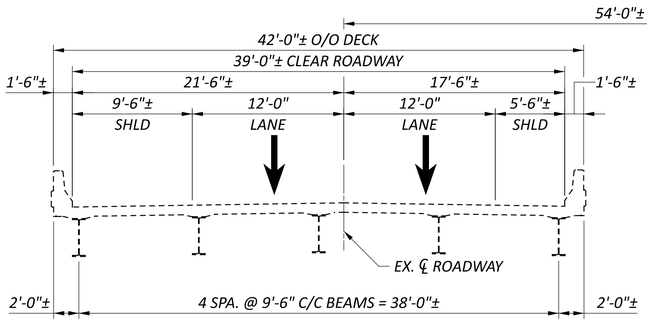

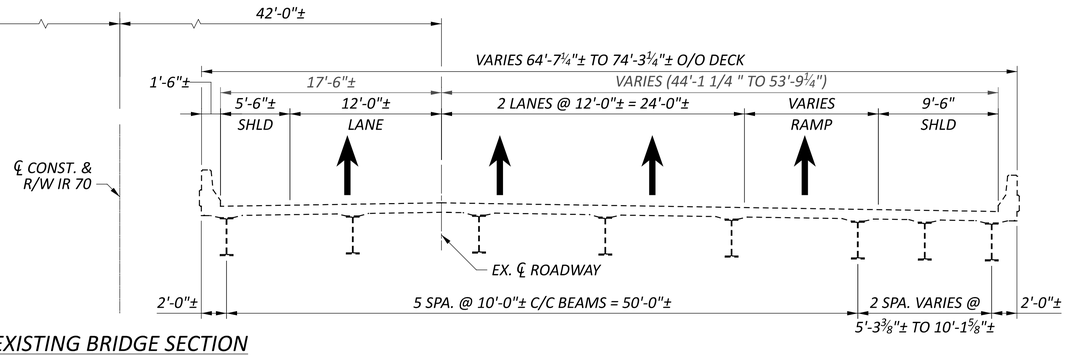

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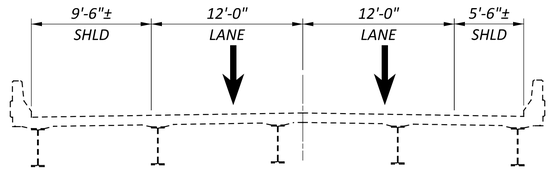
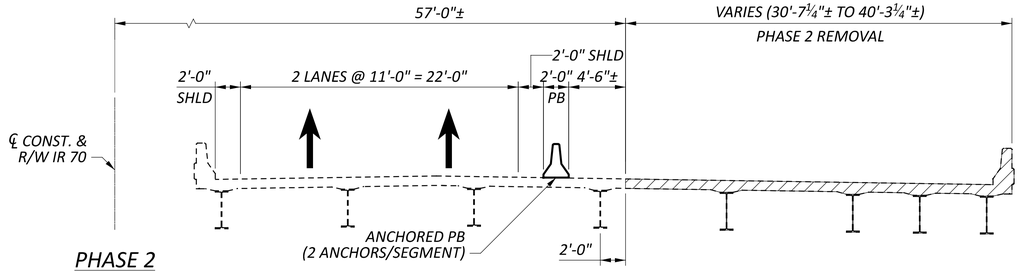
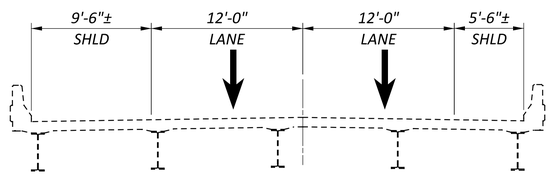
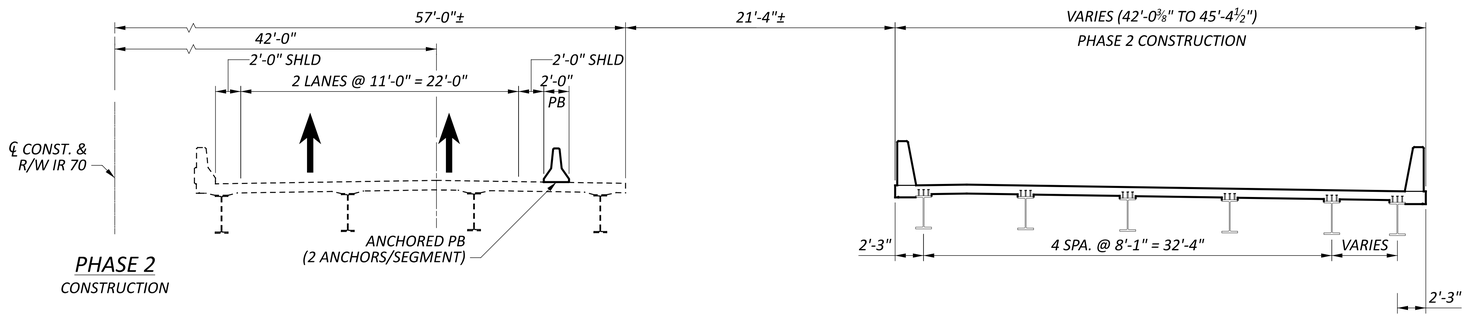


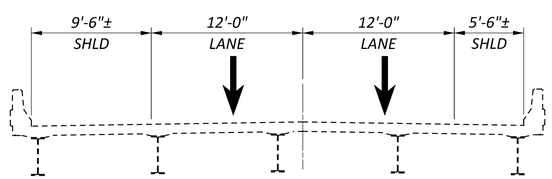


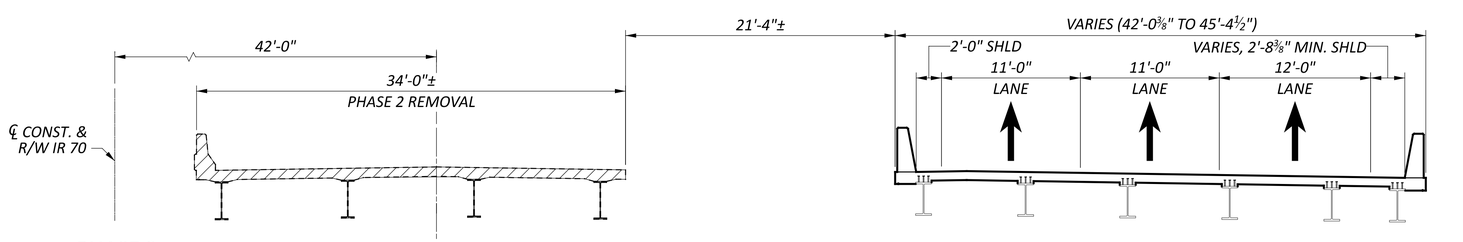
PHASE 2
REMOVAL





PHASE 2
CONSTRUCTION





PHASE 3
REMOVAL

CONSTRUCTION SEQUENCE

PHASE 2:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS AND PER STD DWG PCB-91 OR RM-4.2.
2. INSTALL TEMPORARY SHORING AT THE EXISTING ABUTMENTS AS NECESSARY TO FACILITATE PHASE 2 REMOVALS.
3. REMOVE PHASE 2 PORTIONS OF EX. EB STRUCTURE.
4. CONSTRUCT CD ROAD STRUCTURE INCLUDING PORTIONS OF MSE WALL AND TEMP WIRE FACE WALL.

PHASE 3:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS.
2. REMOVE REMAINING PORTIONS OF EX. EB STRUCTURE.
3. CONSTRUCT EB STRUCTURE INCLUDING PORTIONS OF MSE WALL, AND TEMP. WIRE FACE WALLS.

LEGEND

LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.

PHASE CONSTRUCTION DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	6
TOTAL	35
SHEET	P.1325
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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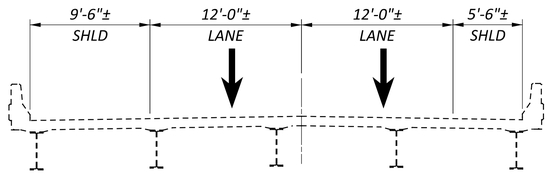
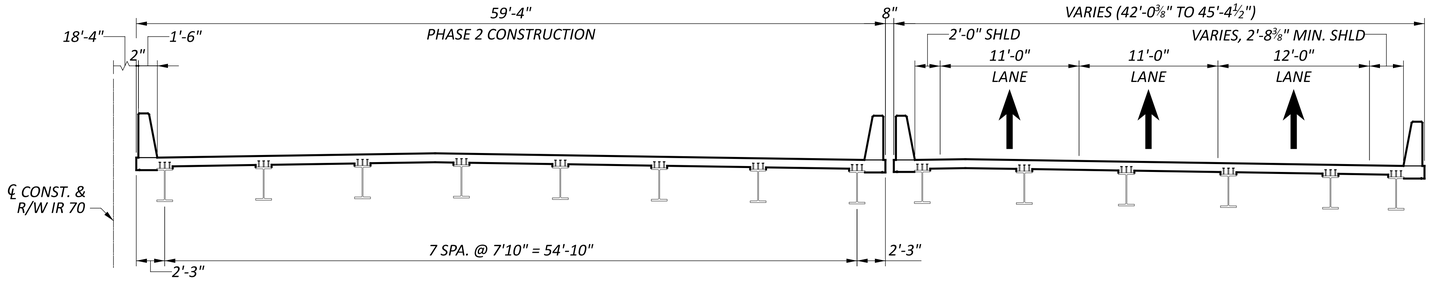
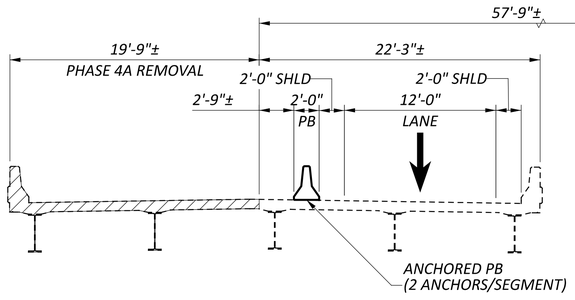
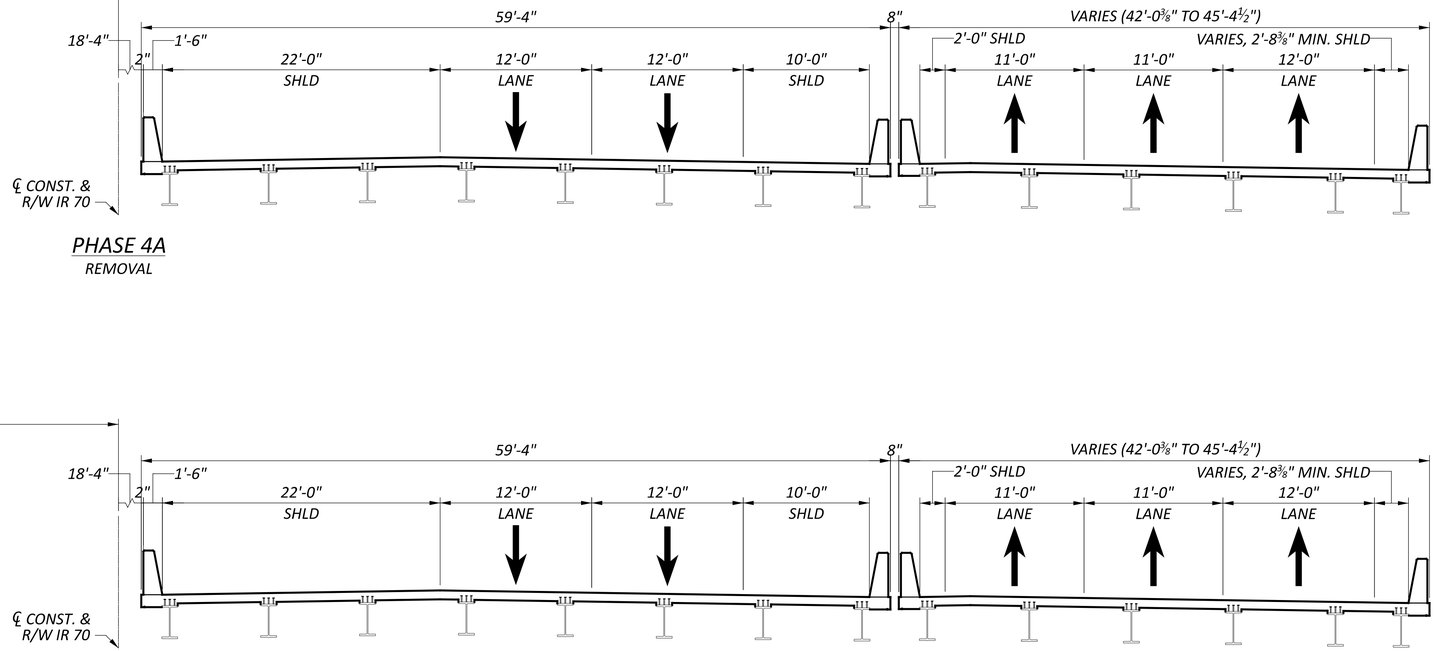


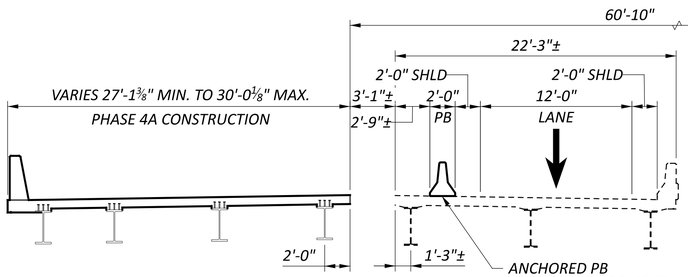


PHASE 3
CONSTRUCTION





PHASE 4A
REMOVAL



PHASE 4A
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4A:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS AND PER STD DWG PCB-91 OR RM-4.2.
2. INSTALL TEMPORARY SHORING AT THE EXISTING ABUTMENTS AS NECESSARY TO FACILITATE PHASE 4A REMOVALS.
3. REMOVE PHASE 4A PORTIONS OF EX. WB STRUCTURE.
4. CONSTRUCT PORTIONS OF WB STRUCTURE INCLUDING MSE WALL AND TEMP. WIRE FACE WALL.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.

PHASE CONSTRUCTION DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
7	35

SHEET	TOTAL
P.1326	P.1556

FAI/LIC-70.0.00/0.00

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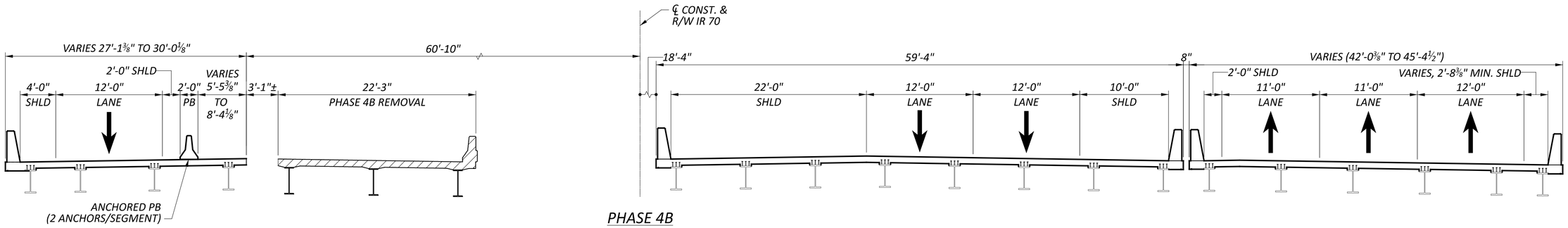
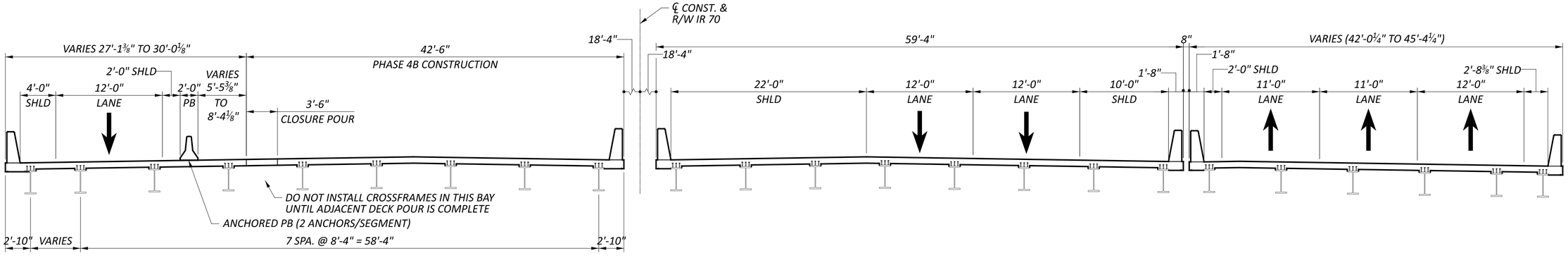


PHASE 4B
REMOVAL



PHASE 4B
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4B:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS.
2. REMOVE REMAINING PORTIONS OF THE EX. WB STRUCTURE.
3. CONSTRUCT REMAINING PORTION OF WB STRUCTURE AND MSE WALL OTHER THAN DECK AND DIAPHRAGM CLOSURE POUR.
4. INSTALL CROSSFRAMES IN BAY 4 AND PLACE CLOSURE POUR.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.
2. PORTABLE BARRIER ANCHOR HOLES IN NEW CONCRETE DECK TO BE FILLED WITH NONSHRINK, NONMETALLIC GROUT PER ITEM 510 AND SEAL WITH HMWM. PAYMENT TO BE INCLUDED WITH ITEM 614, MAINTANING TRAFFIC.

PHASE CONSTRUCTION DETAILS - 3
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 8 | TOTAL 35
SHEET P.1327 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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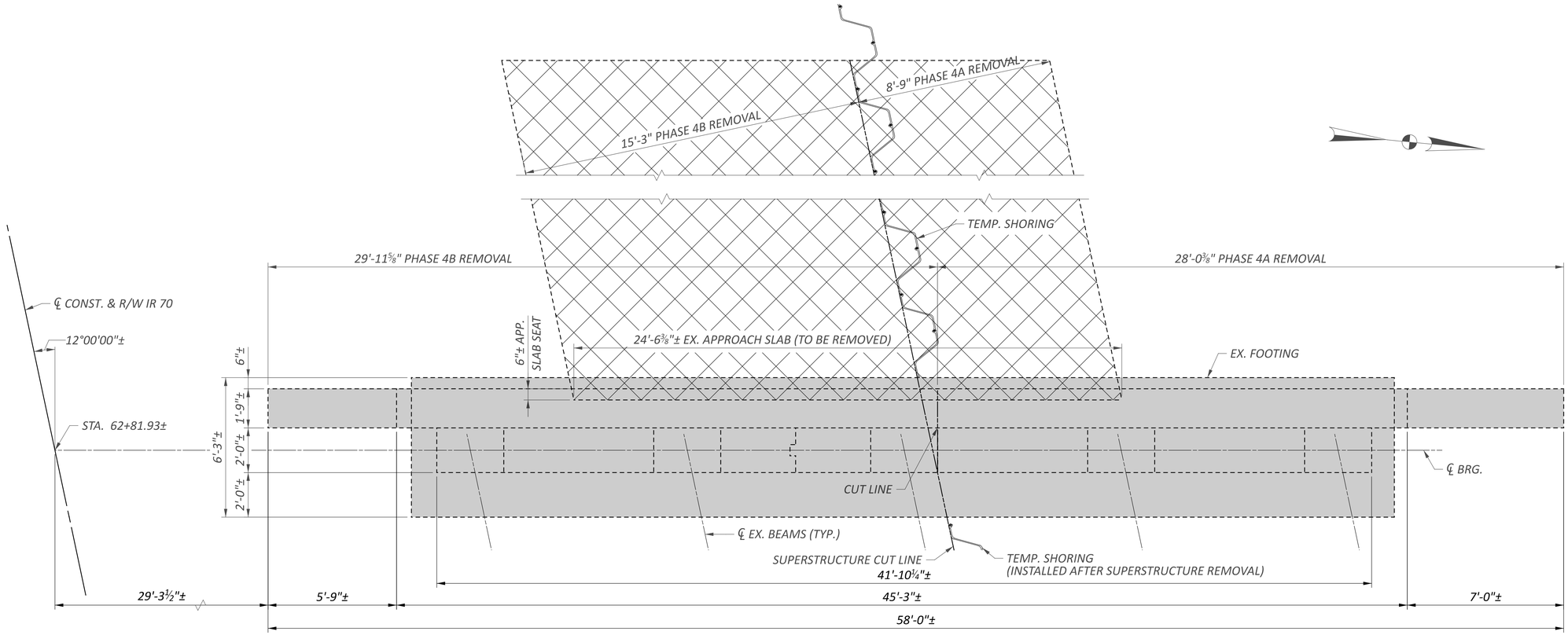
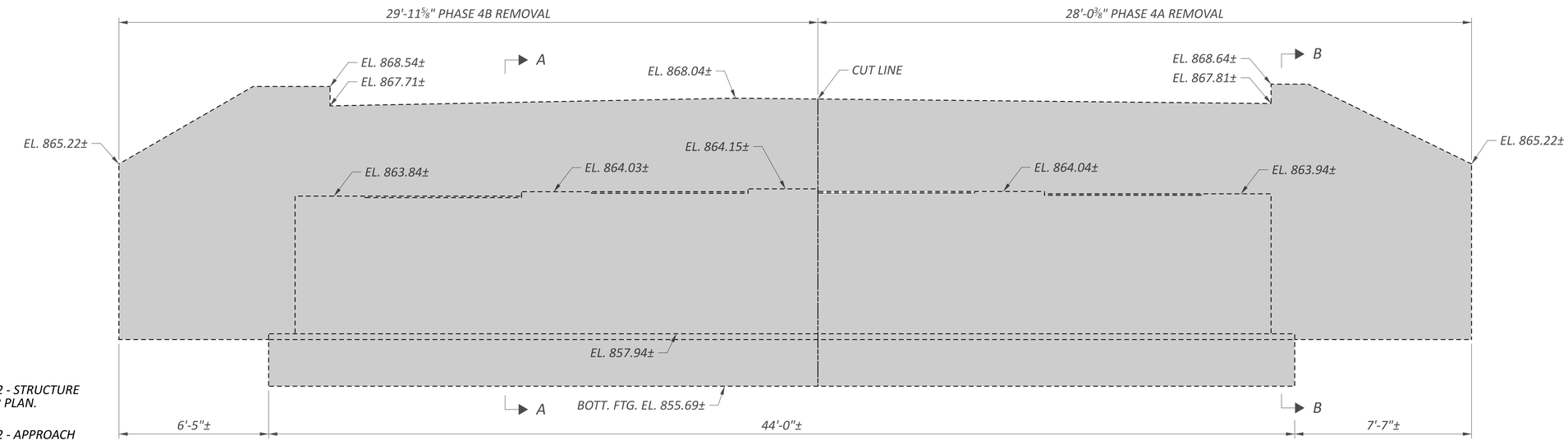


PLAN - REAR ABUTMENT



ELEVATION - REAR ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 11/35.

REMOVAL DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 9 | TOTAL 35
SHEET P.1328 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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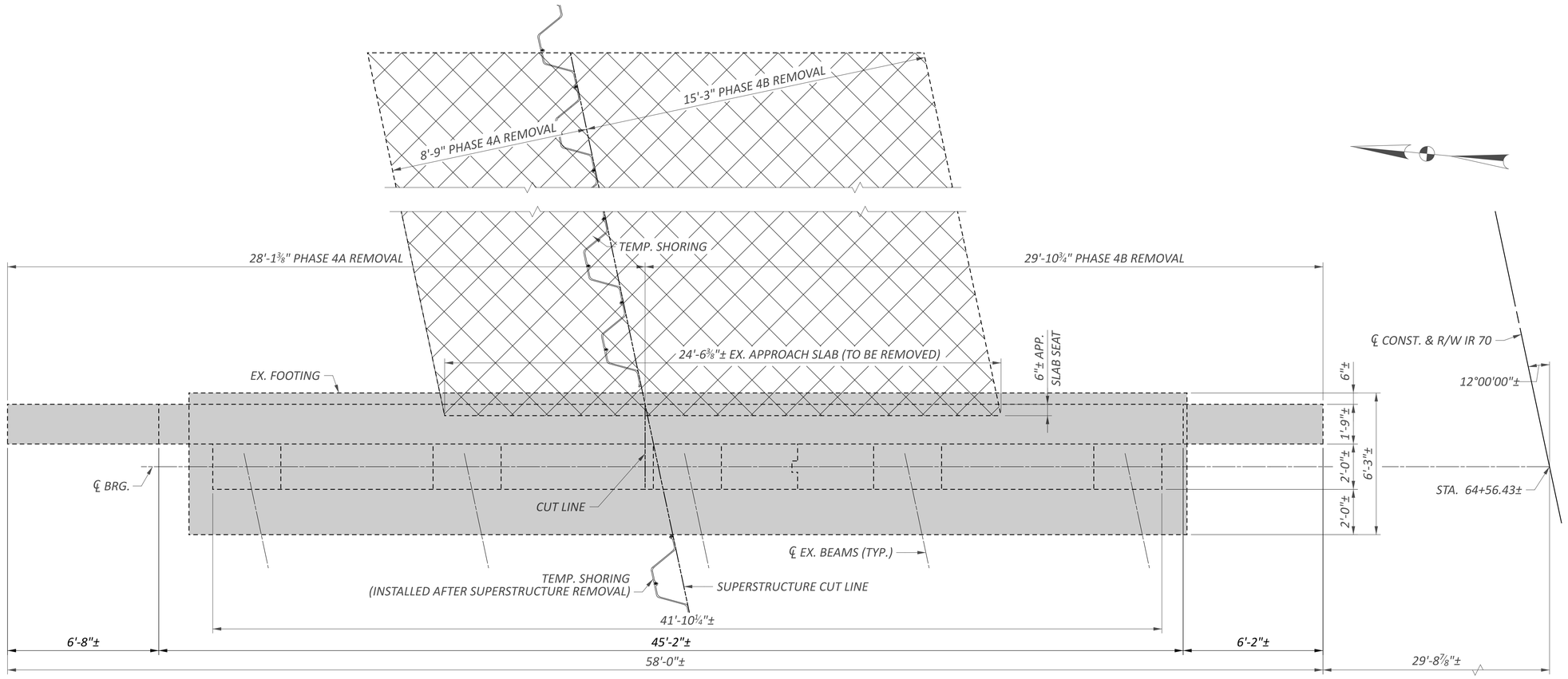
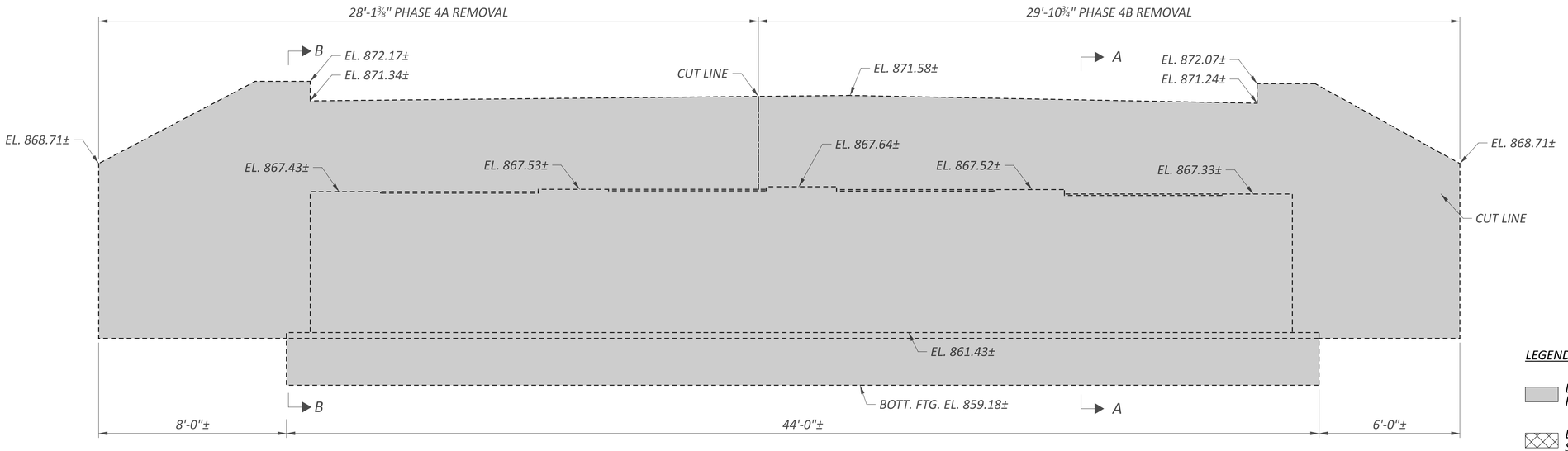


PLAN - FORWARD ABUTMENT



ELEVATION - FORWARD ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 11/35.

REMOVAL DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	10
TOTAL	35
SHEET	P.1329
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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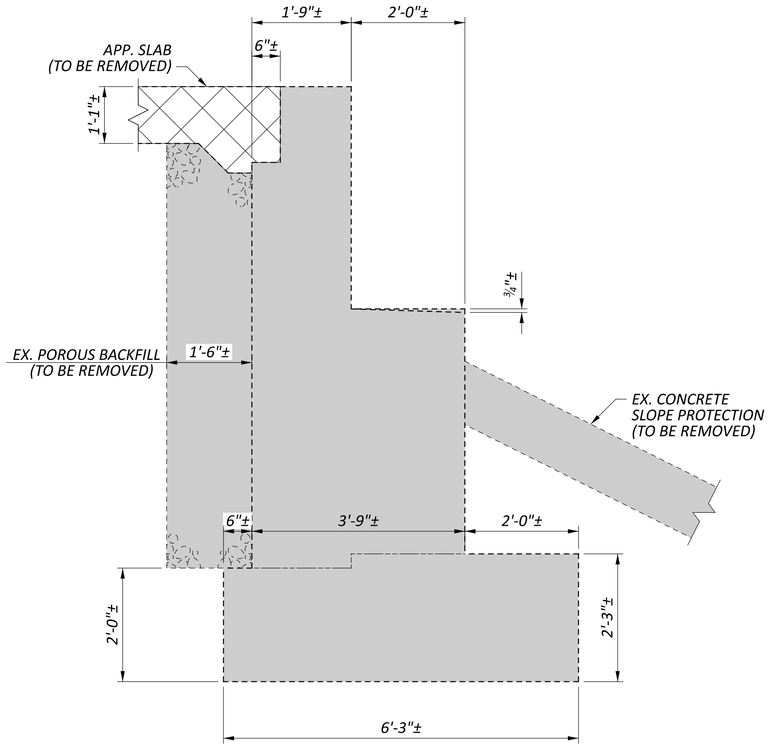
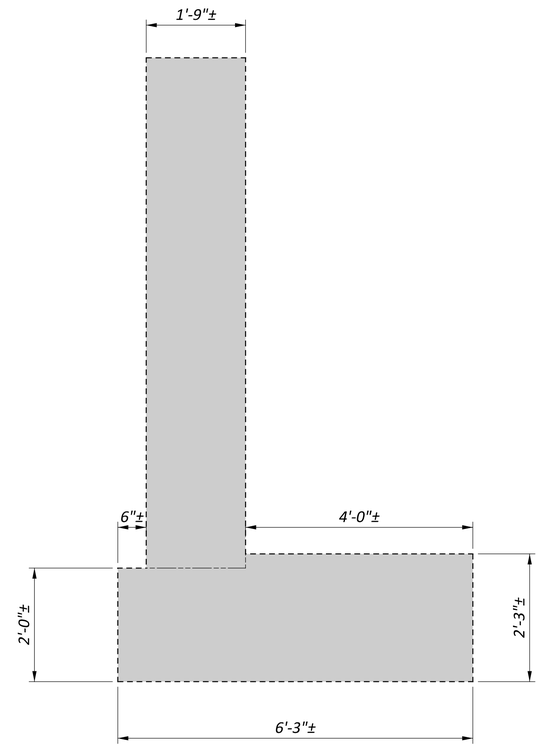


SECTION A-A



SECTION B-B

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

REMOVAL DETAILS - 3
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	11
TOTAL	35
SHEET	P.1330
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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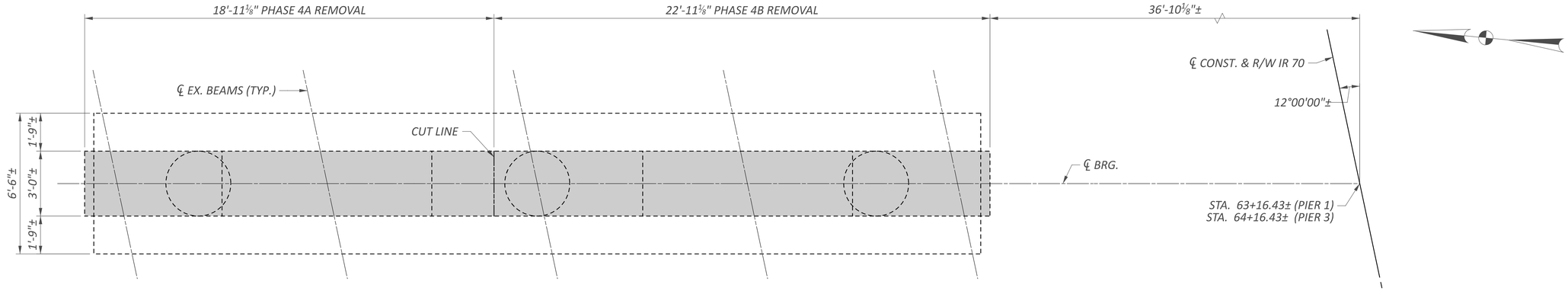
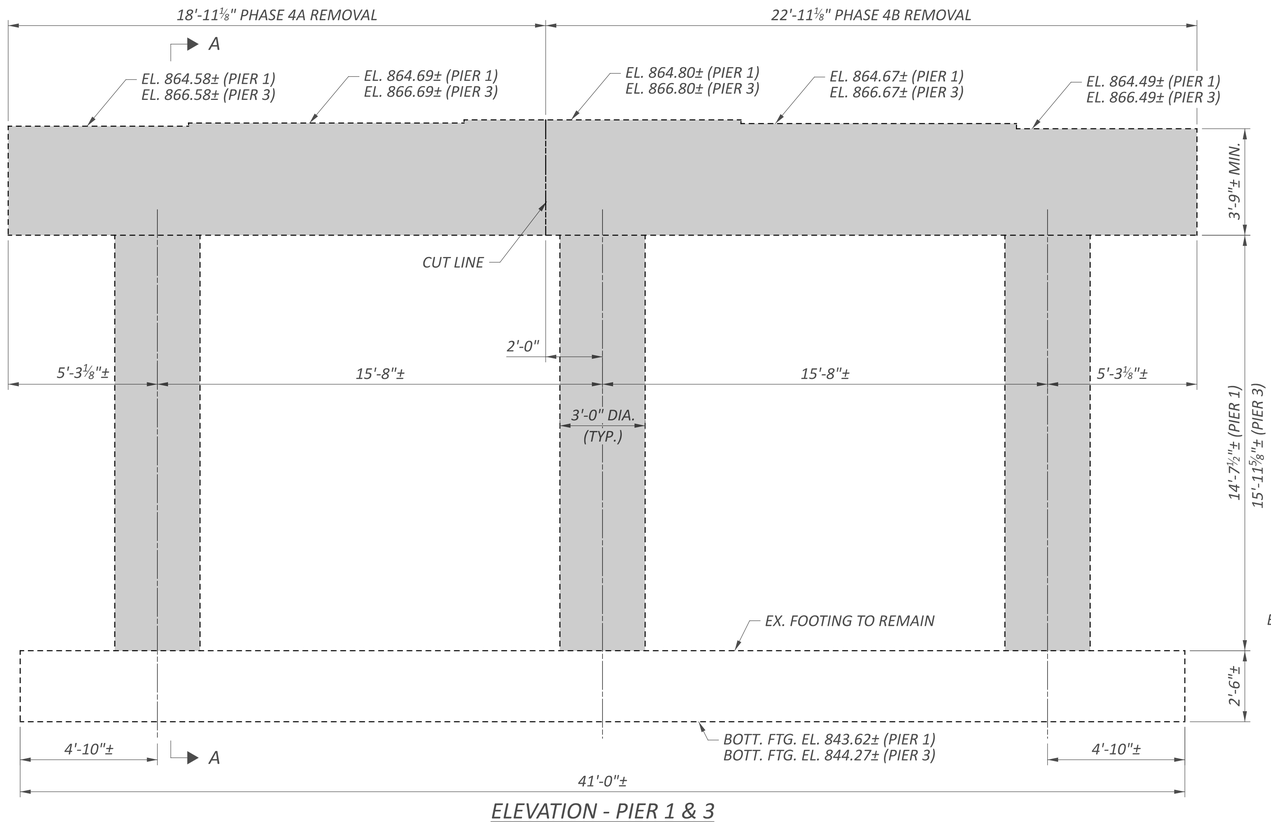
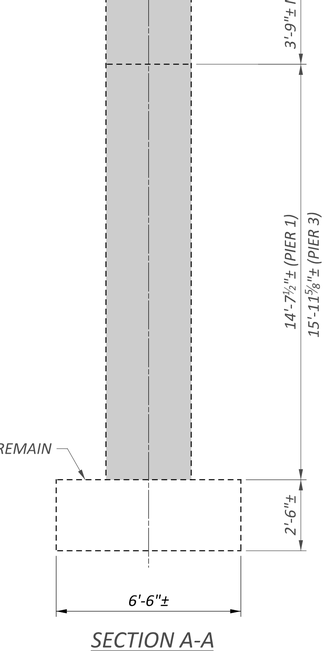


PLAN - PIER 1 & 3



ELEVATION - PIER 1 & 3



SECTION A-A

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

REMOVAL DETAILS - 4
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	12
TOTAL	35
SHEET	P.1331
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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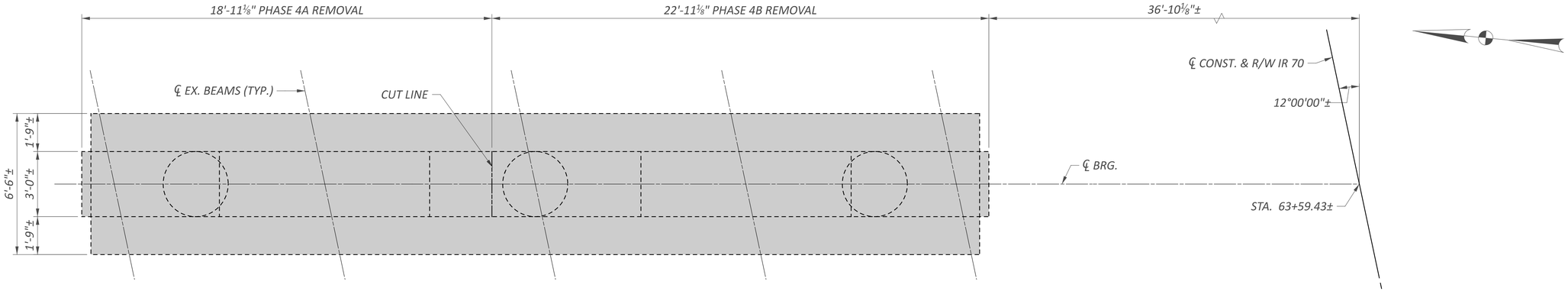
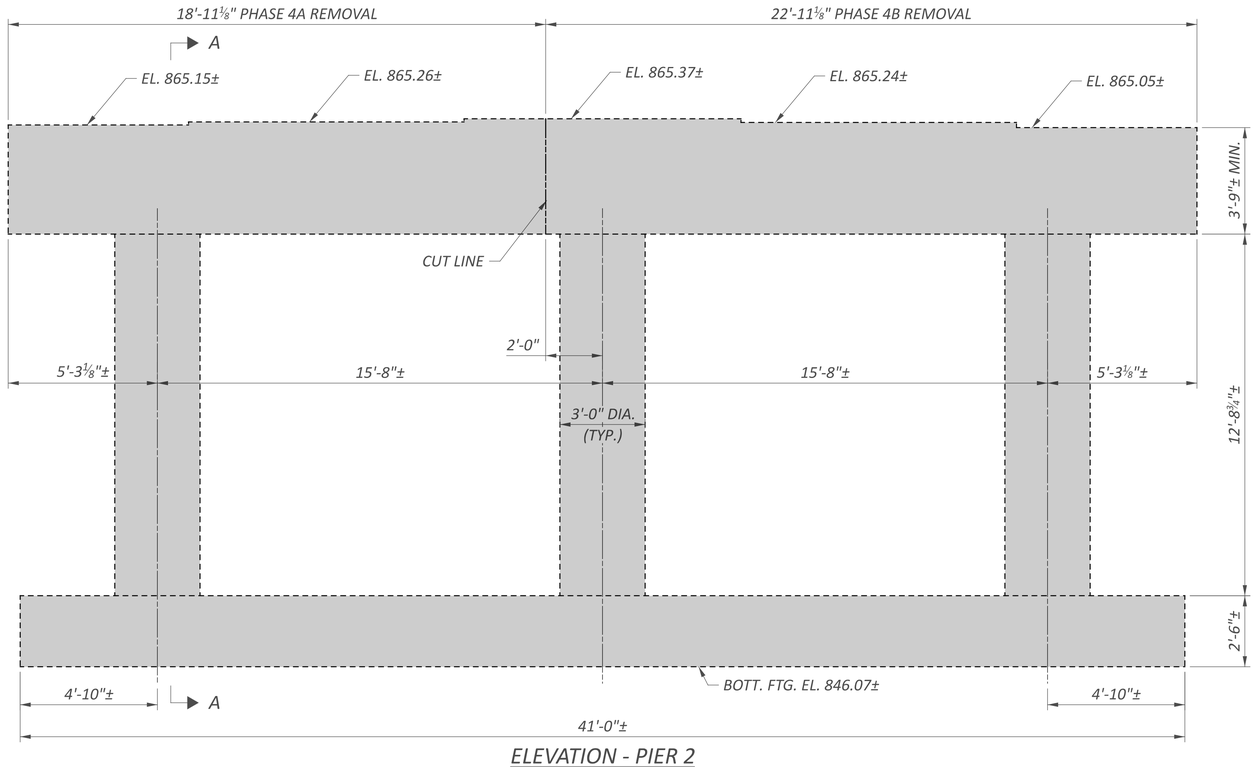
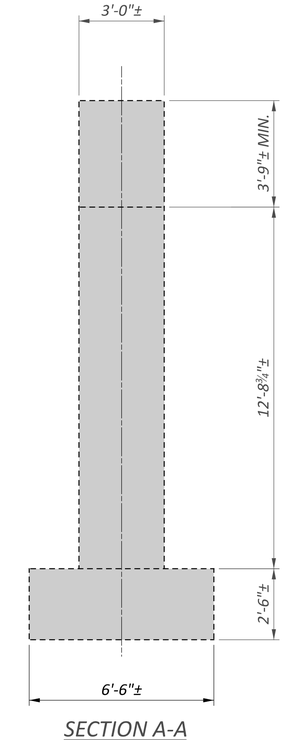


PLAN - PIER 2



ELEVATION - PIER 2



SECTION A-A

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

REMOVAL DETAILS - 5
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	13
TOTAL	35
SHEET	P.1332
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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FOUNDATION PLAN

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BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

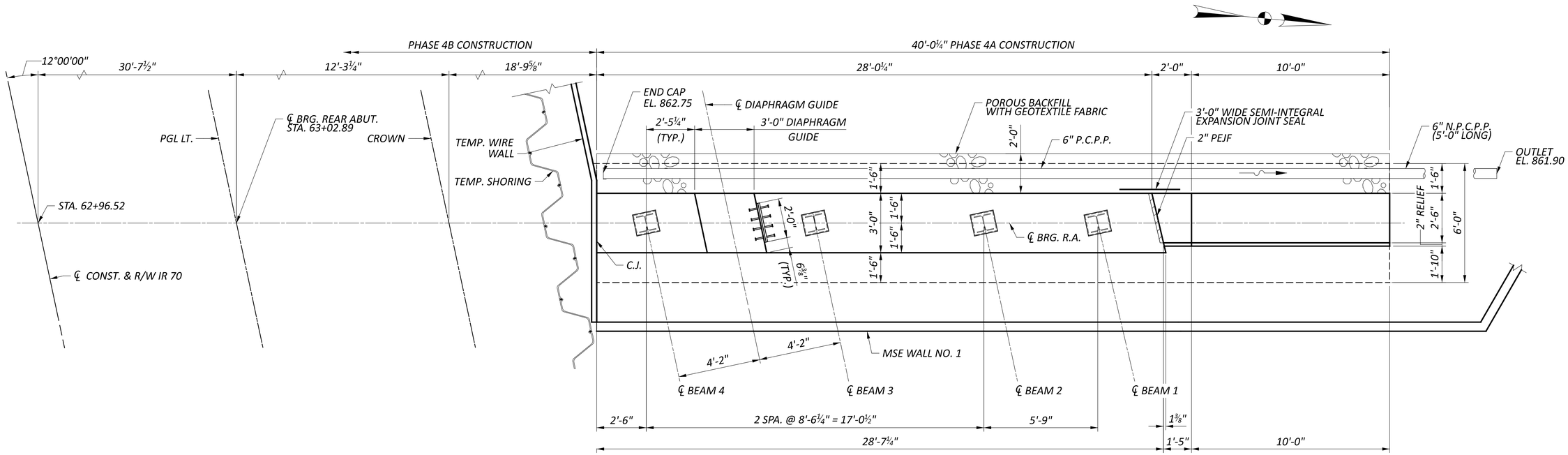
DESIGNER	CHECKER
SJF	ABD

REVIEWER
CLB 04/25/25

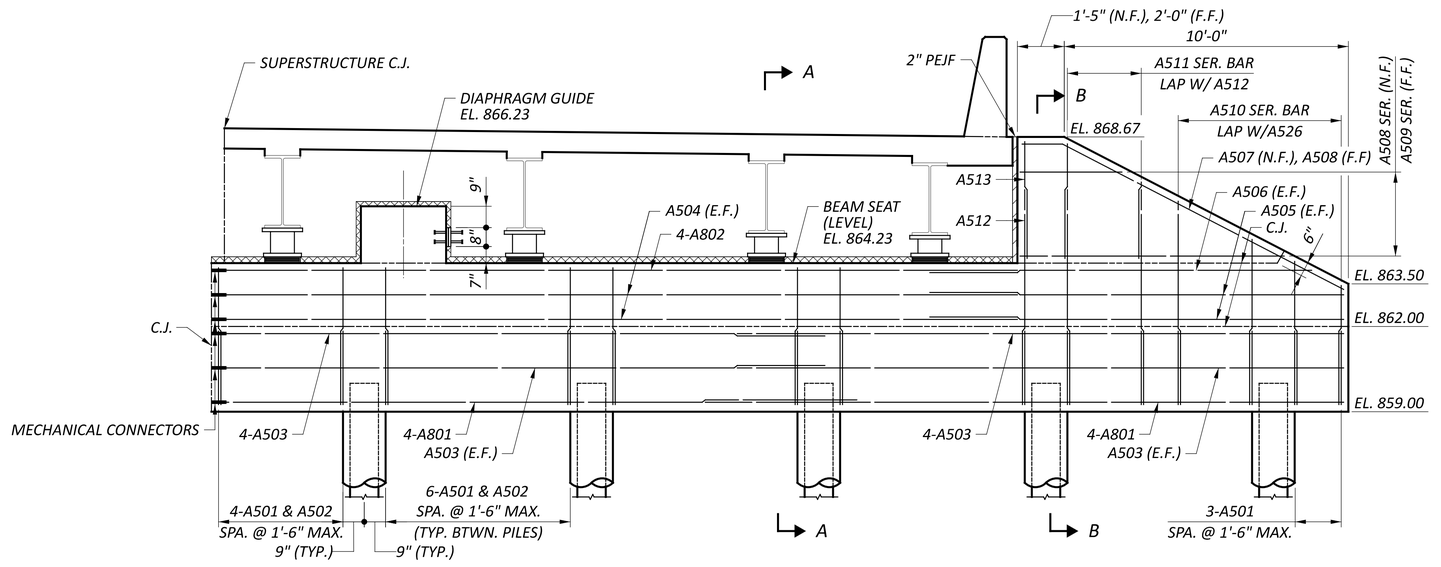
PROJECT ID
96808

SUBSET	TOTAL
14	35

SHEET	TOTAL
P.1333	P.1556



PLAN - REAR ABUTMENT
PHASE 4A



ELEVATION - REAR ABUTMENT
PHASE 4A

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 14/35.
2. FOR SECTION A-A & B-B, SEE SHEET 19/35.
3. FOR ADDITIONAL ABUTMENT DIAPHRAGM GUIDE DETAILS, SEE STD. DWG SICD-2-14.

REAR ABUTMENT DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 15 | TOTAL 35
SHEET P.1334 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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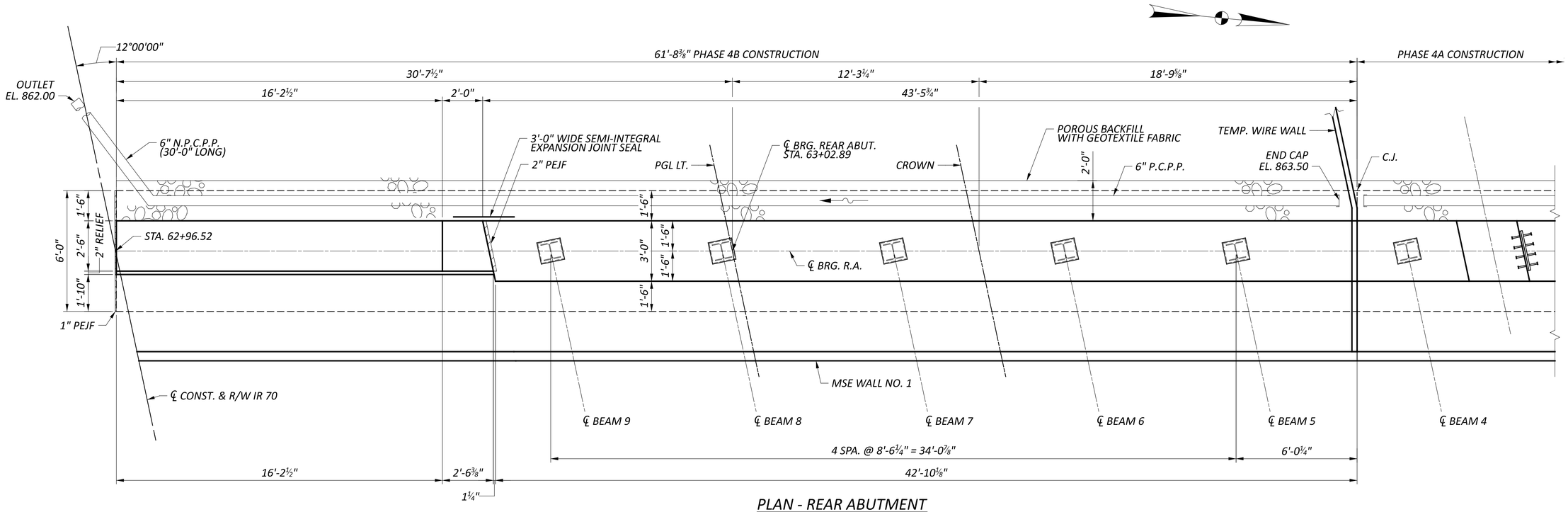
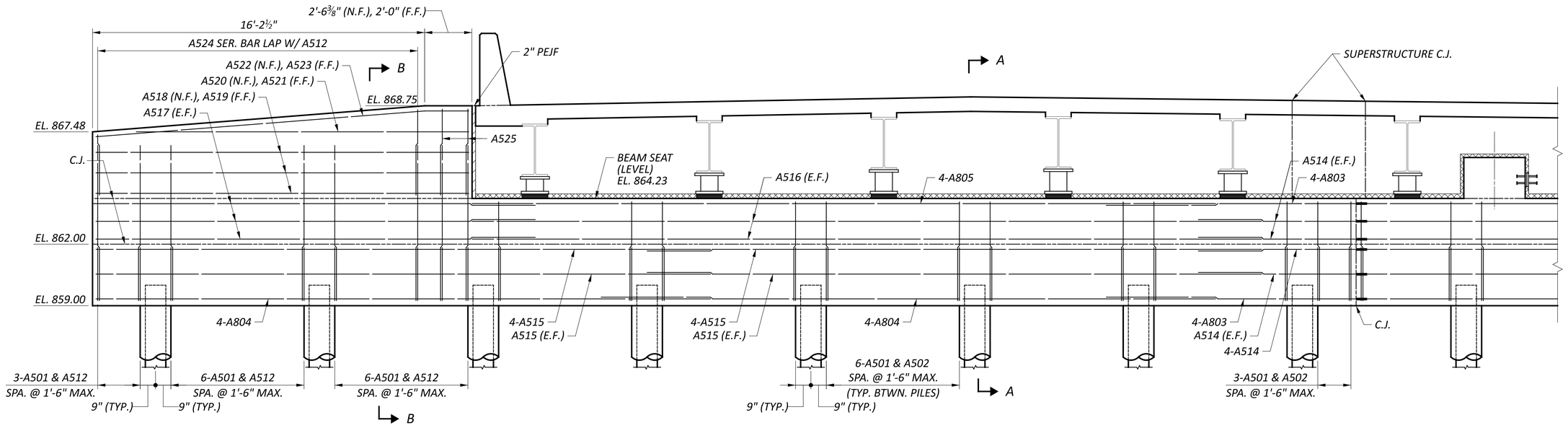


PLAN - REAR ABUTMENT
PHASE 4B



ELEVATION - REAR ABUTMENT
PHASE 4B

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. *FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 14/35.*
2. *FOR SECTION A-A & B-B, SEE SHEET 19/35.*

REAR ABUTMENT DETAILS-2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY: STRUCTUREPOINT
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 16 | TOTAL 35
SHEET P.1335 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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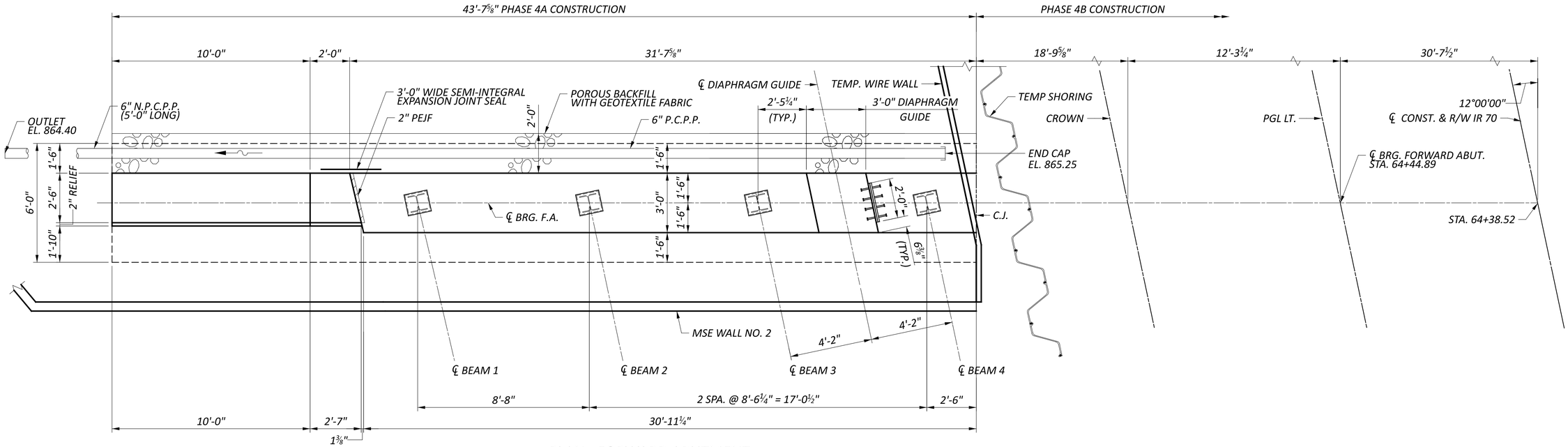
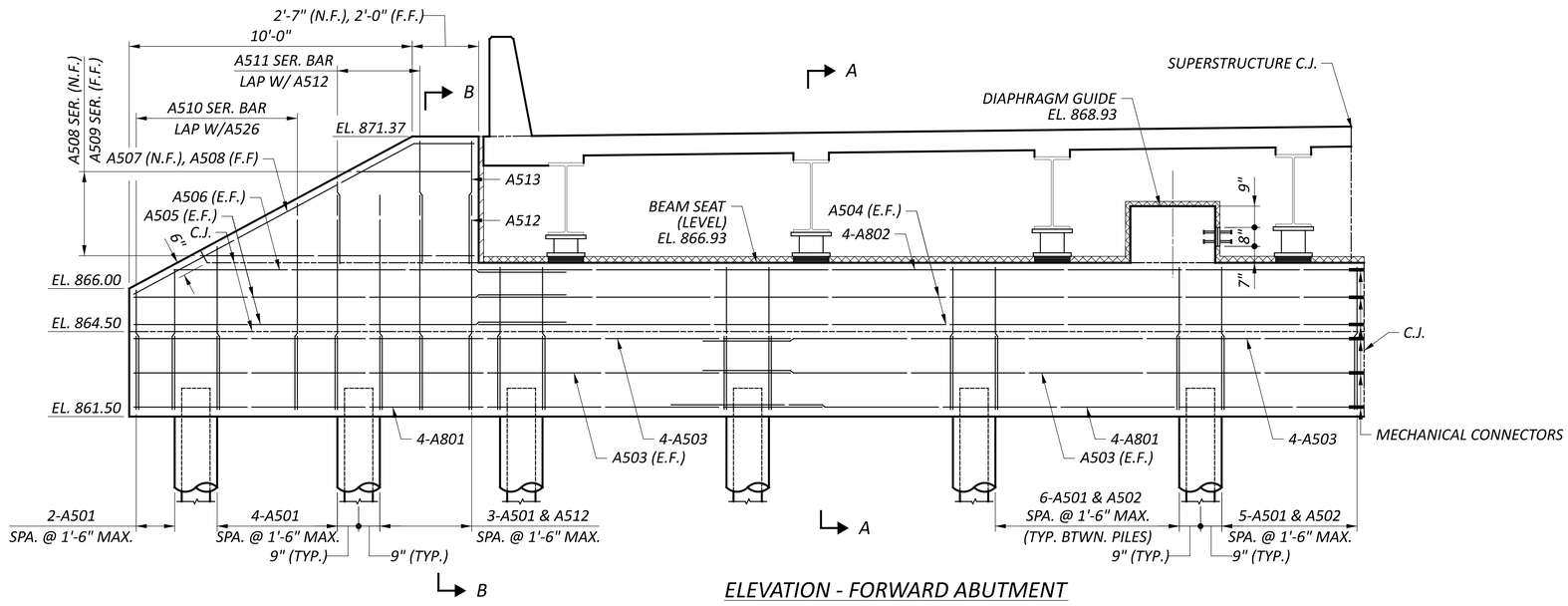


PLAN - FORWARD ABUTMENT
PHASE 4A



ELEVATION - FORWARD ABUTMENT
PHASE 4A

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 14/35.
2. FOR SECTION A-A & B-B, SEE SHEET 19/35.
3. FOR ADDITIONAL ABUTMENT DIAPHRAGM GUIDE DETAILS, SEE STD. DWG SICD-2-14.

FORWARD ABUTMENT DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 17 | TOTAL 35
SHEET P.1336 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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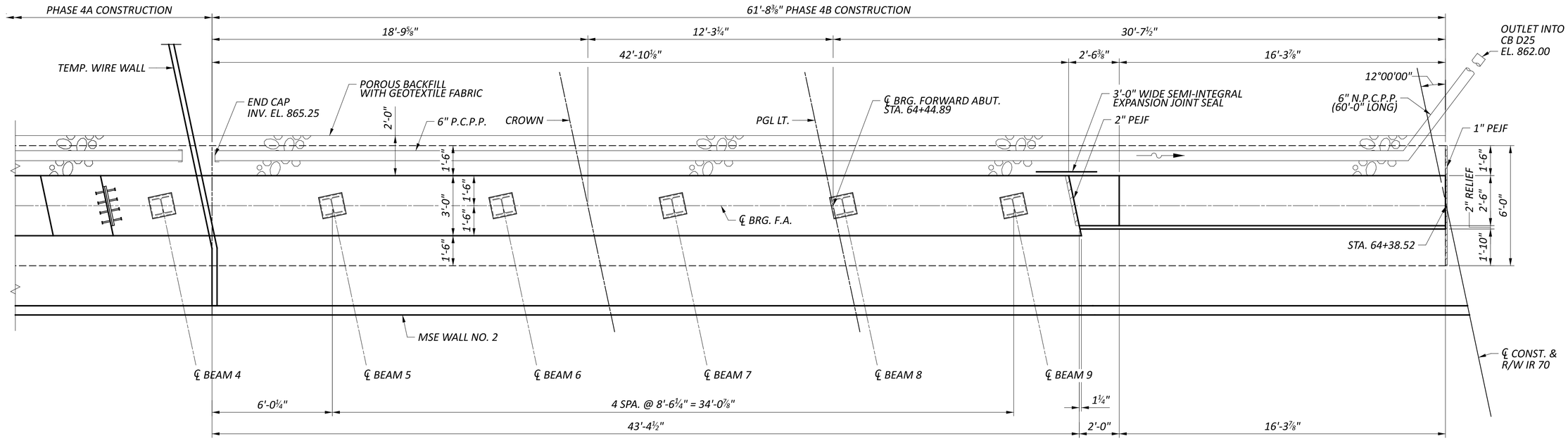
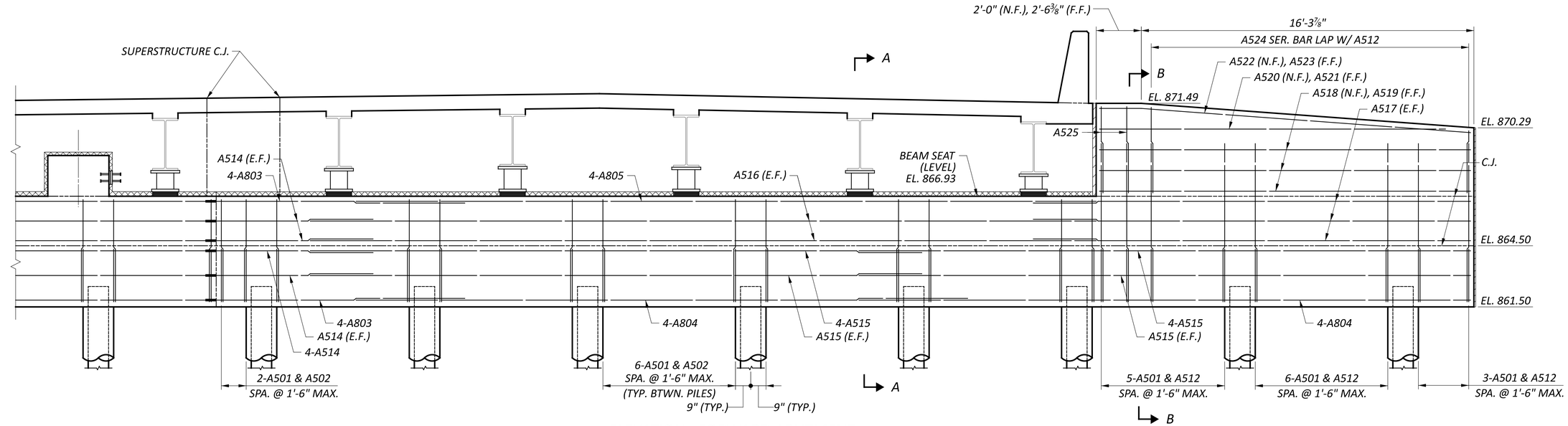


PLAN - FORWARD ABUTMENT
PHASE 4B



ELEVATION - FORWARD ABUTMENT
PHASE 4B

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. *FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 14/35.*
2. *FOR SECTION A-A & B-B, SEE SHEET 19/35.*

FORWARD ABUTMENT DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R 256

SFN 2301629
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 18 | TOTAL 35
SHEET P.1337 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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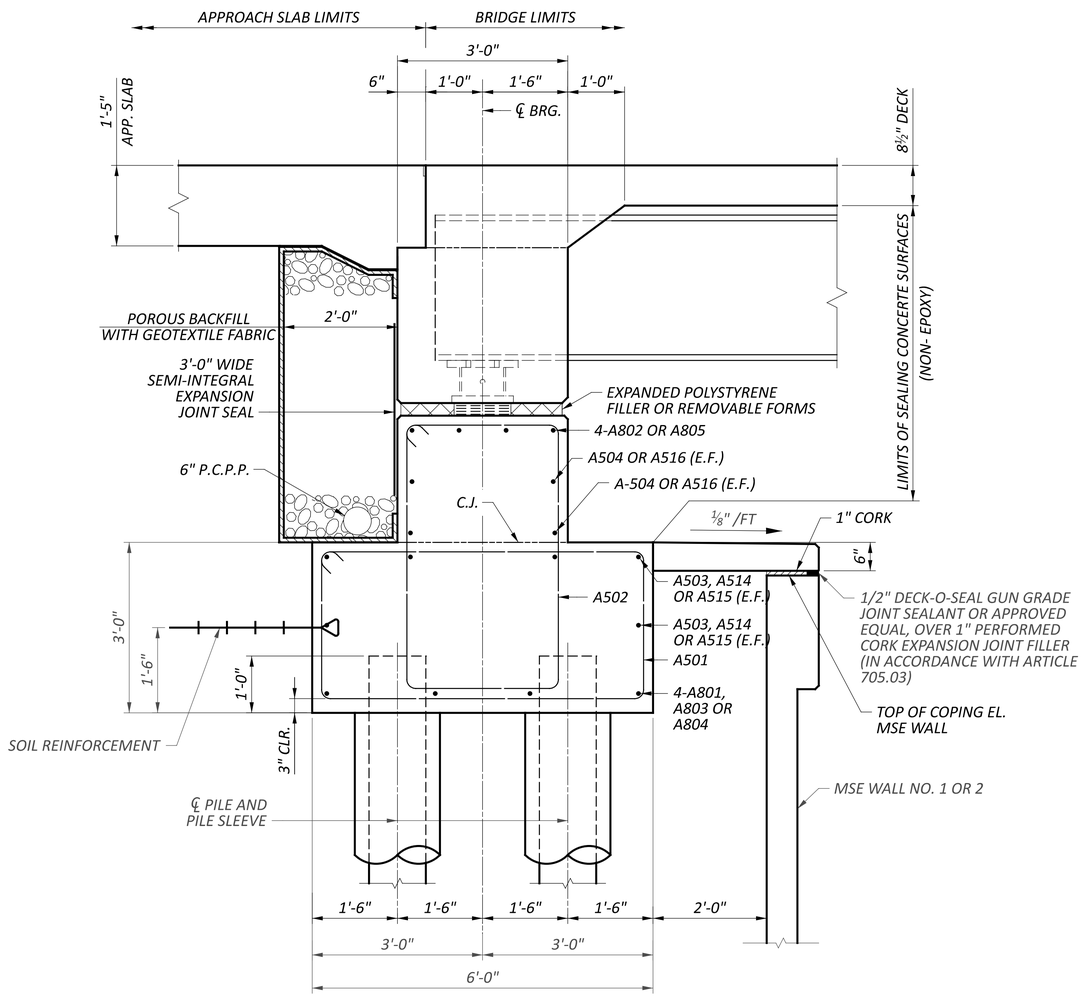
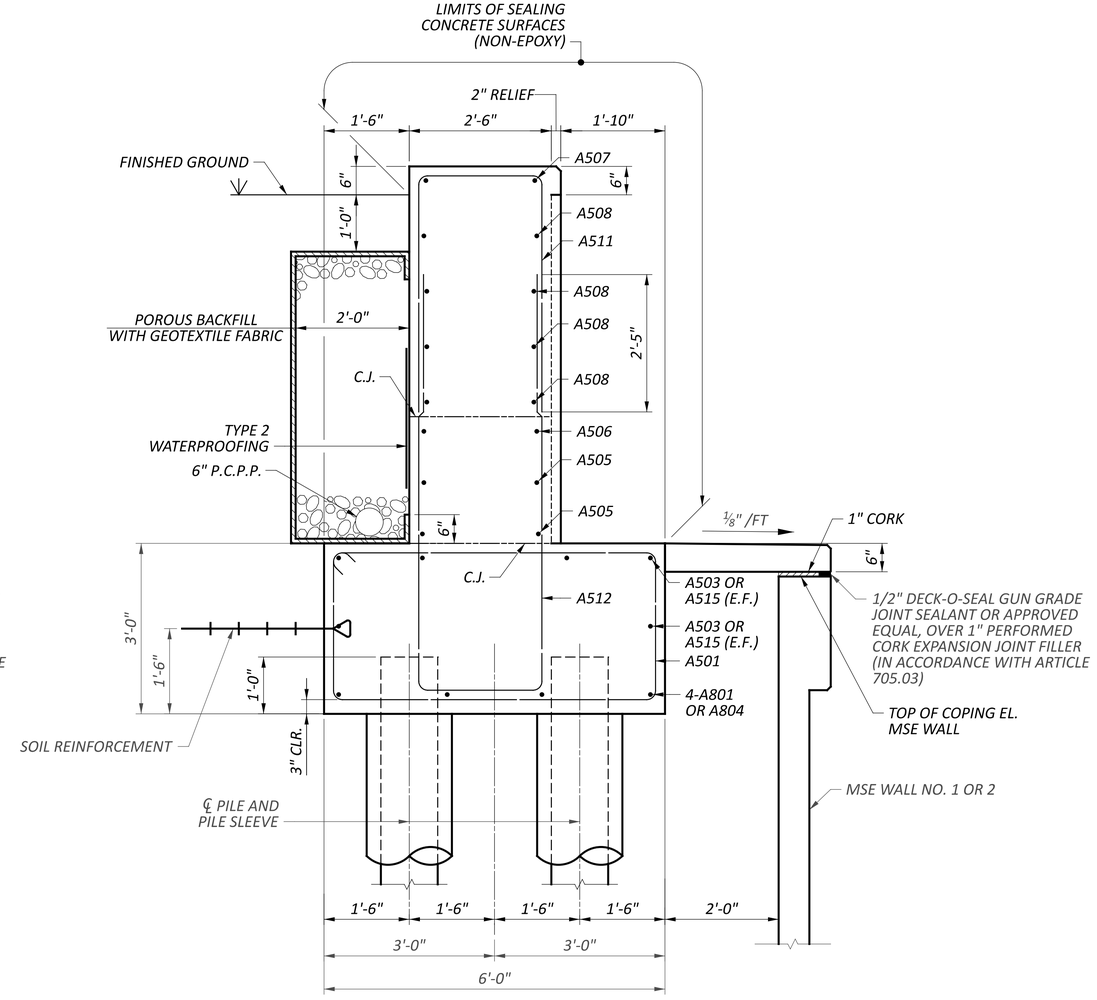


SECTION A-A



SECTION B-B

1.

ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	19
TOTAL	35
SHEET	P.1338
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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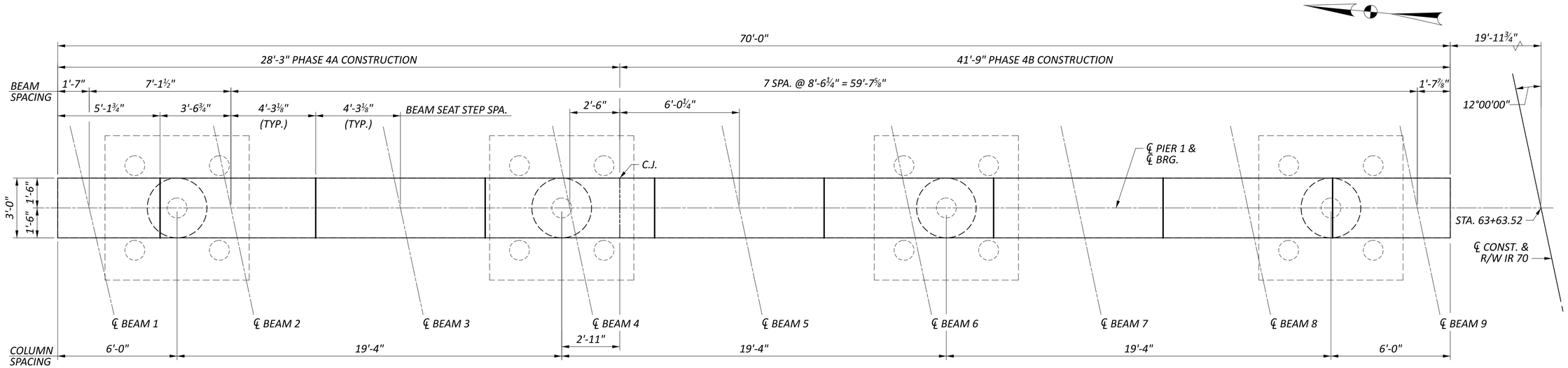
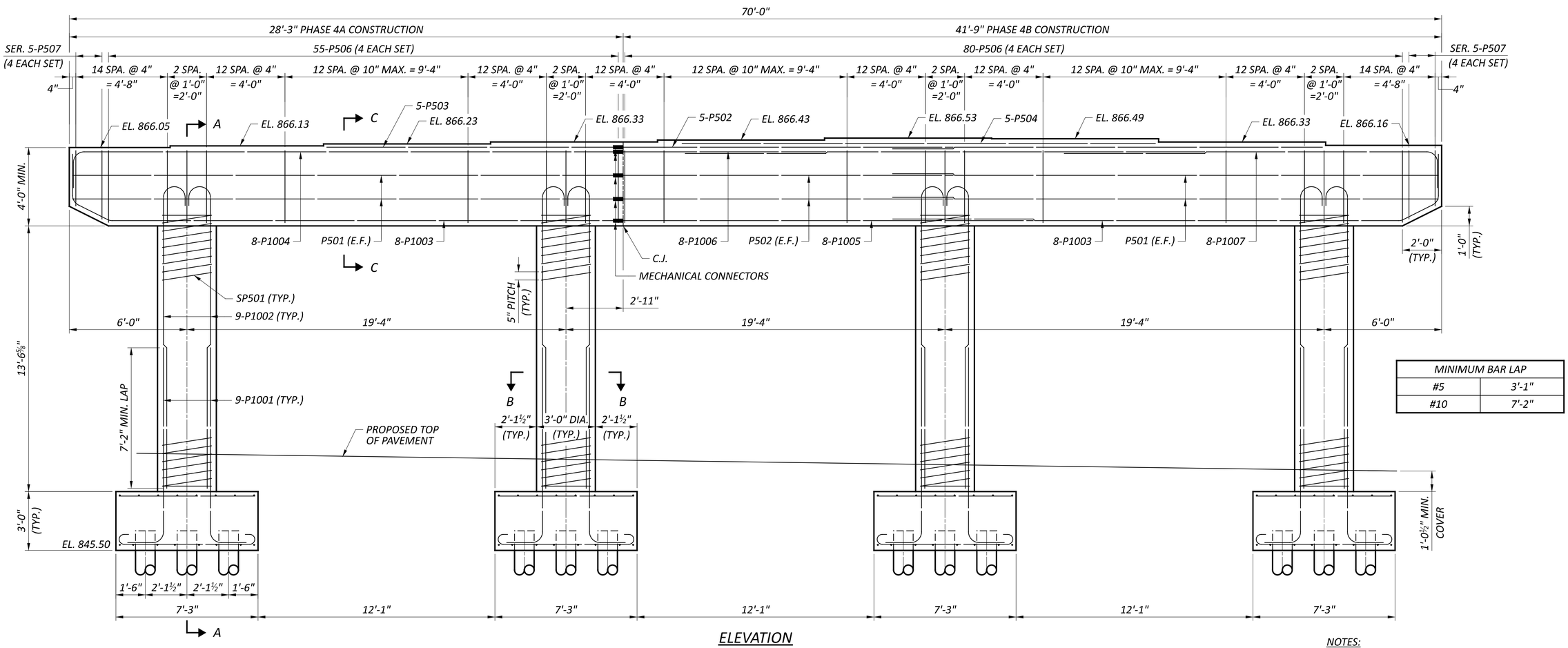


PLAN



MINIMUM BAR LAP	
#5	3'-1"
#10	7'-2"

ELEVATION

NOTES:

1. FOR SECTION A-A, B-B AND C-C, SEE SHEET 21/35.

PIER DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER PEG | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 20 | TOTAL 35
SHEET P.1339 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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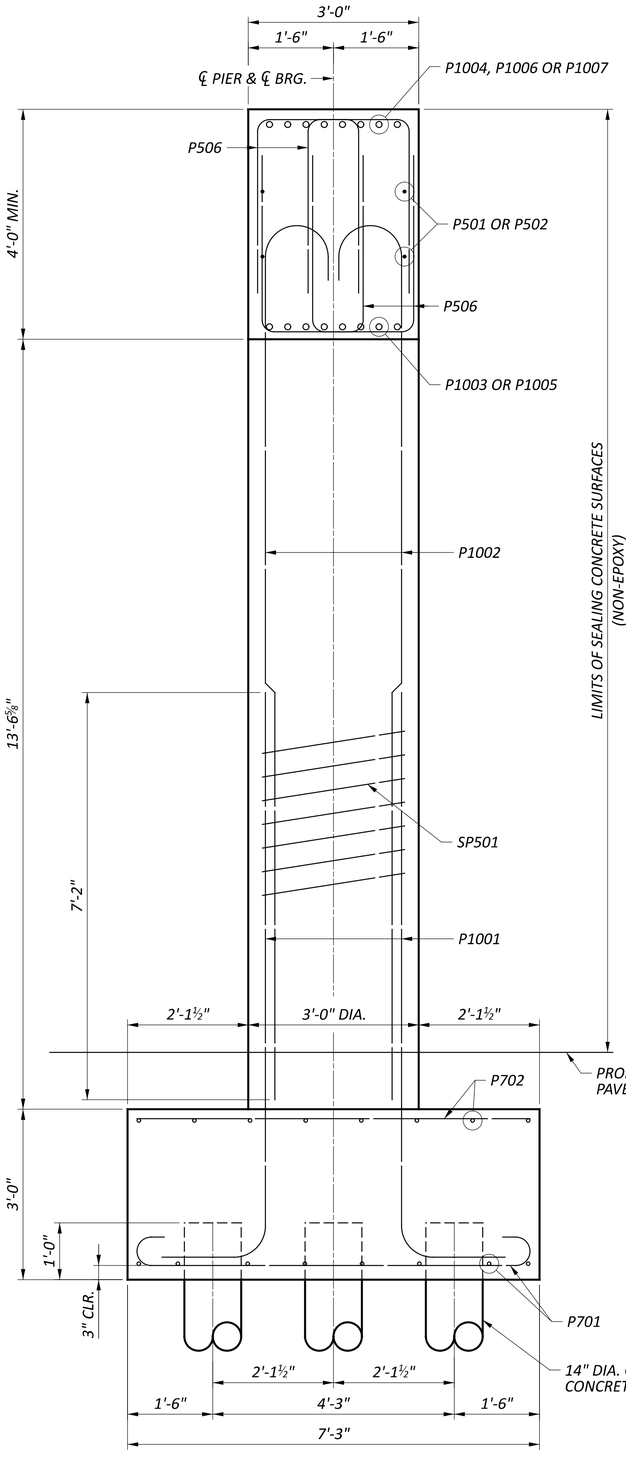
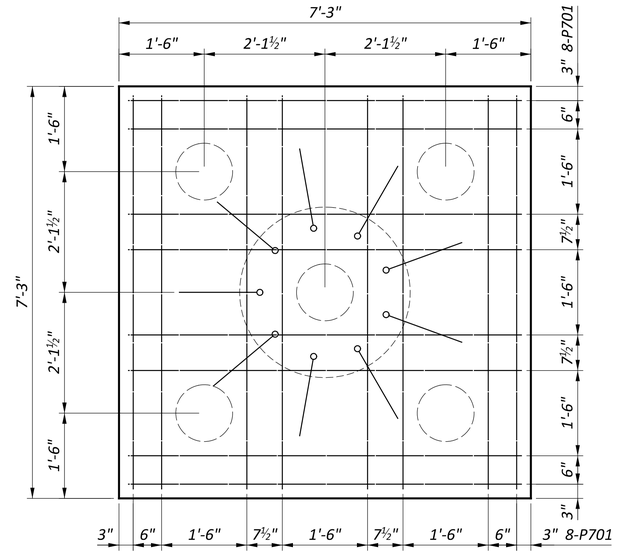
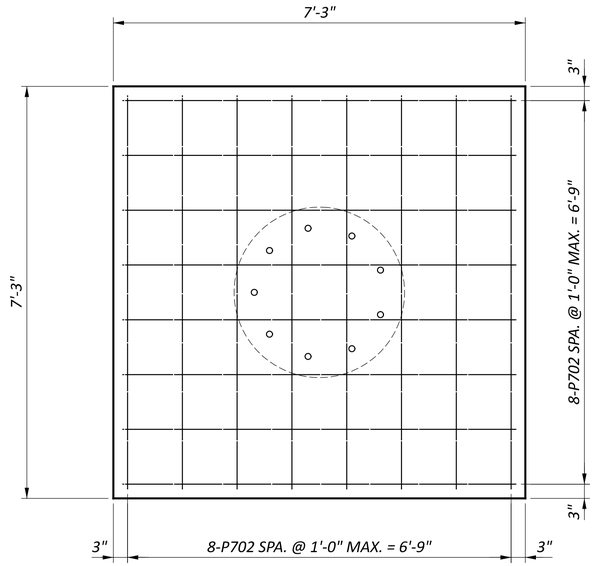


SECTION A-A



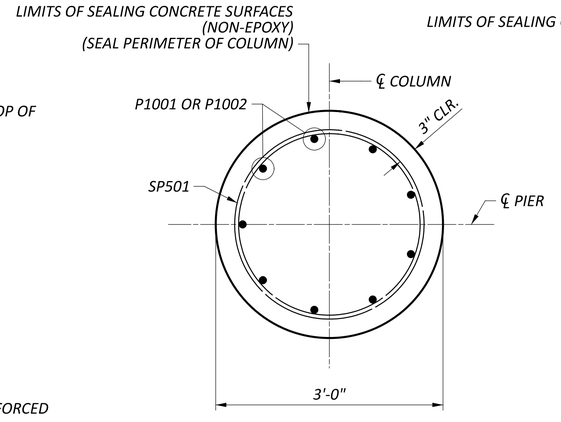
FOOTING PLAN (BOTTOM MAT)

(TYP. ALL FOOTINGS)

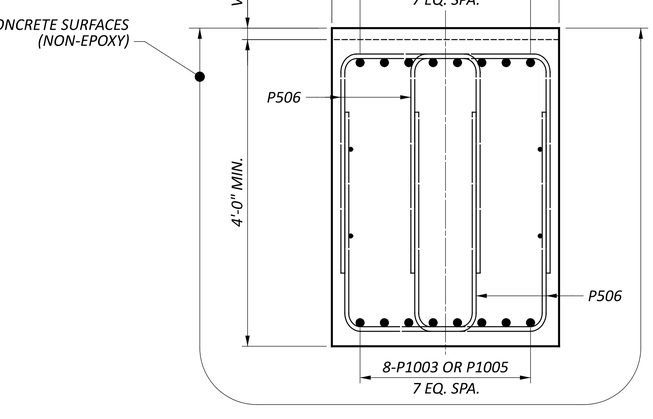


FOOTING PLAN (TOP MAT)

(TYP. ALL FOOTINGS)



SECTION B-B



SECTION C-C

FAI/LIC-70.0.00/0.00

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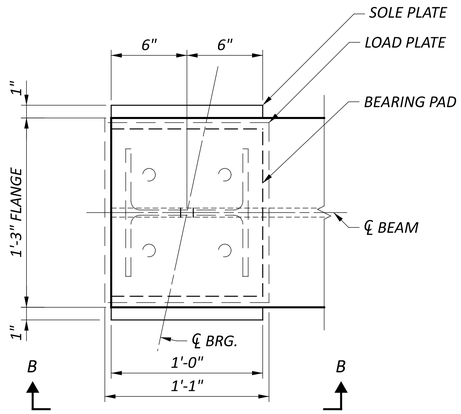
PIER DETAILS - 2

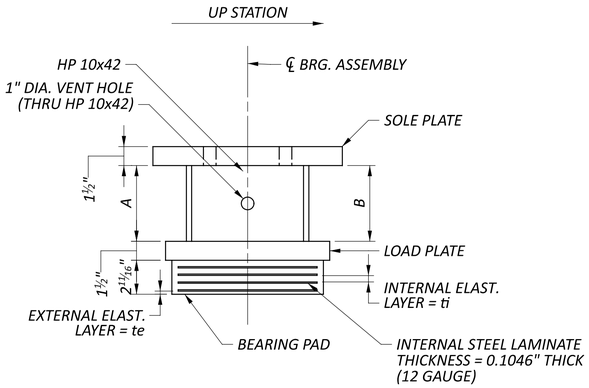
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	21
TOTAL	35
SHEET	P.1340
TOTAL	P.1556

BEAM NO.	BEARING SCHEDULE									STEEL LOAD PLATE L x W x T	STEEL SLOE PLATE L x W x T
	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS		
1-9	REAR ABUT.	EXPANSION	9	1'-0"x1'-3"x2 11/16"	4	0.5"	4	0.25"	1	1'-1"x1'-4"x1 1/2"	1'-0"x1'-5"x1 1/2"
1-9	FWD. ABUT.	EXPANSION	9	1'-0"x1'-3"x2 11/16"	4	0.5"	4	0.25"	1	1'-1"x1'-4"x1 1/2"	1'-0"x1'-5"x1 1/2"

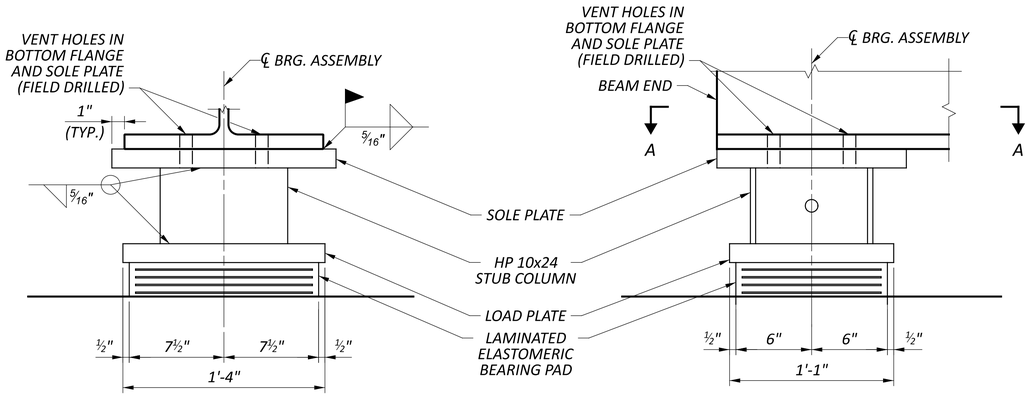


SECTION A-A



SECTION B-B

FAI-00070-01190 L HP HEIGHT (INCH)				
	REAR ABUT		FWD. ABUT	
	A	B	A	B
BEAM 1	5 15/16"	6 1/16"	5 15/16"	6 1/16"
BEAM 2	6 11/16"	6 7/8"	7 1/8"	7 5/16"
BEAM 3	7 7/8"	8 1/16"	8 5/16"	8 1/2"
BEAM 4	9 1/16"	9 1/4"	9 1/2"	9 11/16"
BEAM 5	10 1/4"	10 7/16"	10 11/16"	10 7/8"
BEAM 6	11 7/16"	11 5/8"	11 7/8"	1' - 0 1/16"
BEAM 7	11 1/16"	11 1/4"	11 7/16"	11 5/8"
BEAM 8	9 1/16"	9 1/4"	9 7/16"	9 5/8"
BEAM 9	7 1/16"	7 1/4"	7 7/16"	7 5/8"



EXPANSION BEARINGS AT ABUTMENTS

UNFACTORED BEARING LOADS (KIP)		
	R.A.	F.A.
DEAD LOAD	54.4	63.1
LIVE LOAD	61.7	63.7
TOTAL LOAD	116.1	126.8

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES, AND ROLLED SHAPES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL SOLE PLATES, HP SECTIONS AND LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, SHALL INCLUDE ALL LABOR, MATERIALS, FABRICATION, LOAD PLATE, SOLE PLATE, HP SHAPE, PAINTING, FIELD DRILLING VENT HOLES AND EQUIPMENT NECESSARY TO COMPLETE THE BEARINGS IN PLACE.
4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 22 | TOTAL 35
SHEET P.1341 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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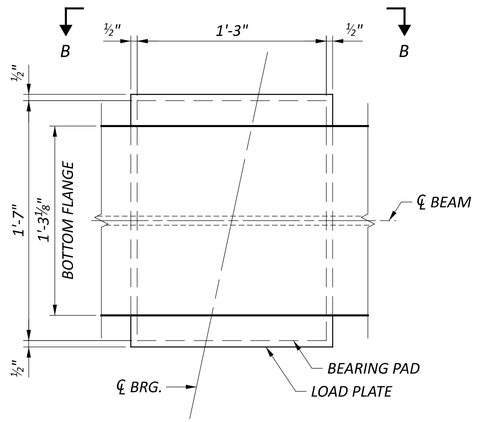
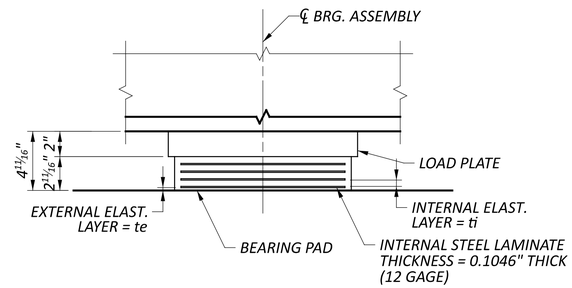
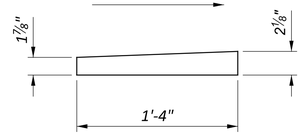
BEAM NO.	BEARING SCHEDULE									STEEL LOAD PLATE L x W x T
	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	
1-9	PIER 1	EXPANSION	9	1'-3"x1'-7"x2 11/16"	4	0.5"	4	0.25"	1	1'-4"x1'-8"x2"



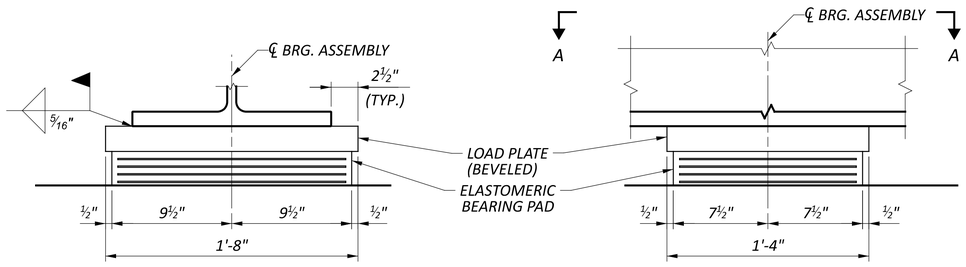
SECTION A-A



SECTION B-B



PIER NO. 1 BEVELED LOAD PLATE



EXPANSION BEARINGS AT PIER 1

UNFACTORED BEARING LOADS (KIP)	
	PIER NO. 1
DEAD LOAD	158.6
LIVE LOAD	115.4
TOTAL LOAD	274.0

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 23 | TOTAL 35
SHEET P.1342 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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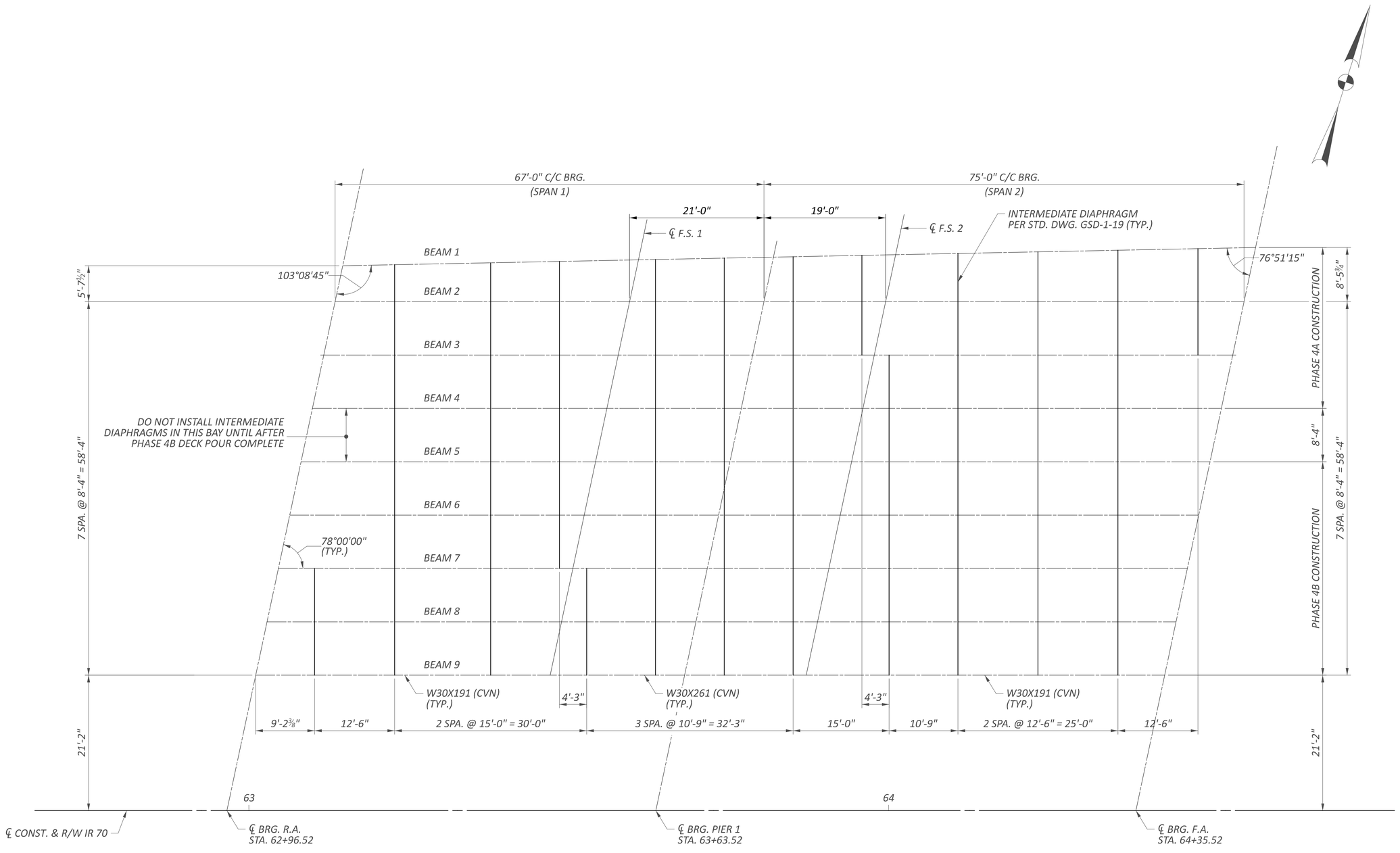

FRAMING PLAN - LEFT BRIDGE

NOTES:

1. FOR BEAM DETAILS, SEE SHEET 25 & 26/35.
2. ALL STRUCTURAL STEEL TO BE ASTM A709 GRADE 50, WITH THREE-COAT PAINT COATING SYSTEM.

FRAMING PLAN
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	WEPFER STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	PEG
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	24
TOTAL	35
SHEET	P.1343
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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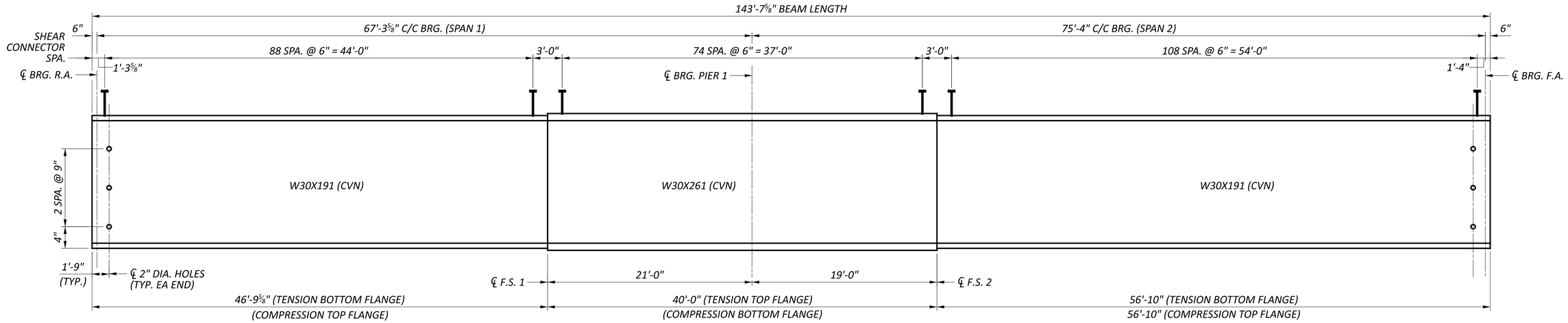
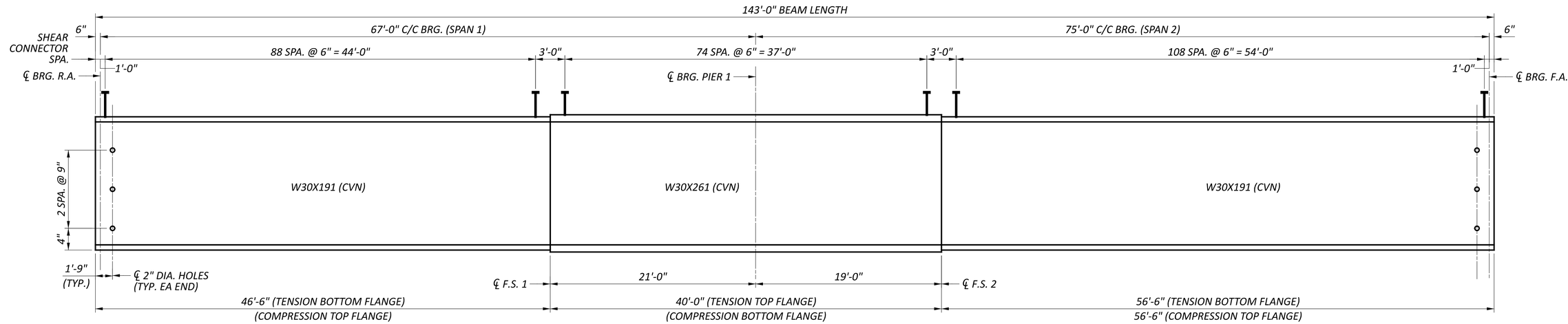
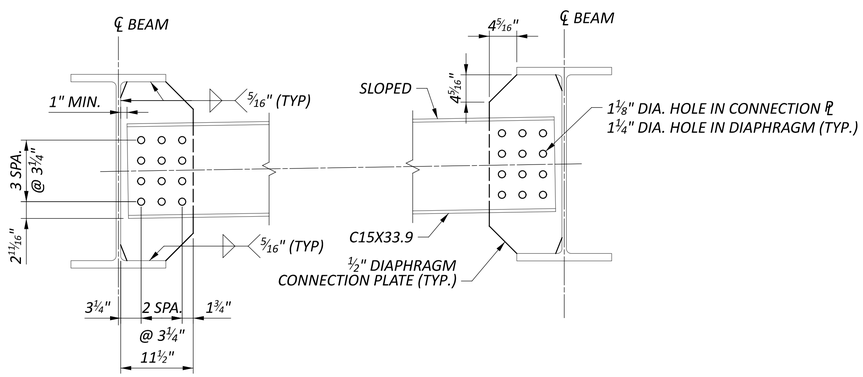


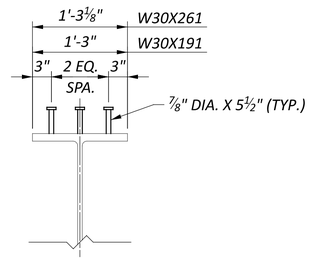
BEAM 1 ELEVATION



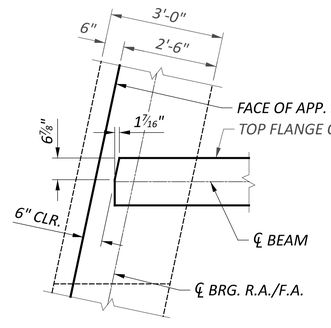
BEAM 2-8 ELEVATION



INTERMEDIATE DIAPHRAGM DETAIL



TYPICAL SHEAR CONNECTOR DETAIL



BEAM CLIP DETAIL

NOTES:

1. FOR ADDITIONAL INTERMEDIATE DIAPHRAGM DETAILS, SEE STANDARD DRAWING GSD-1-19
2. CVN: WHERE A SHAPE OR PLATE IS DESIGNATED (CVN), FURNISHED MATERIAL THAT MEETS THE MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN C&MS 711.01.
3. HIGH STRENGTH BOLTS SHALL BE 1" DIA. TYPE 1 GALVANIZED A325 BOLTS UNLESS OTHERWISE NOTED.
4. WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS OF THE FASCIA STRINGER FLANGES DESIGNATED "COMPRESSION". DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM EDGE OF FLANGE, BE NO MORE THAN 2" LONG, AND BE AT LEAST ¼" FOR THICKNESS UP TO ¾" OR 5/16" FOR GREATER THAN ¾" THICK.

BEAM DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER PEG
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 25 | TOTAL 35
SHEET P.1344 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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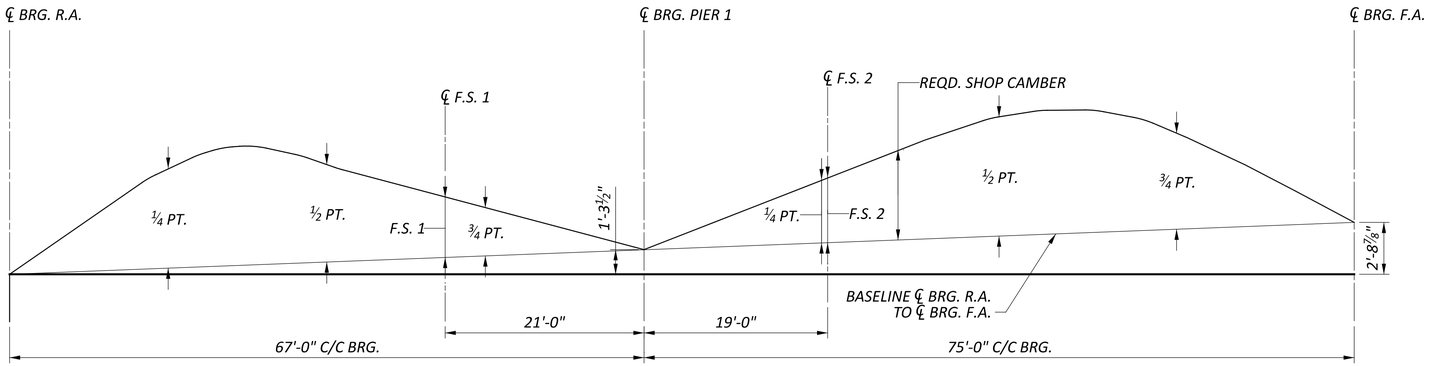
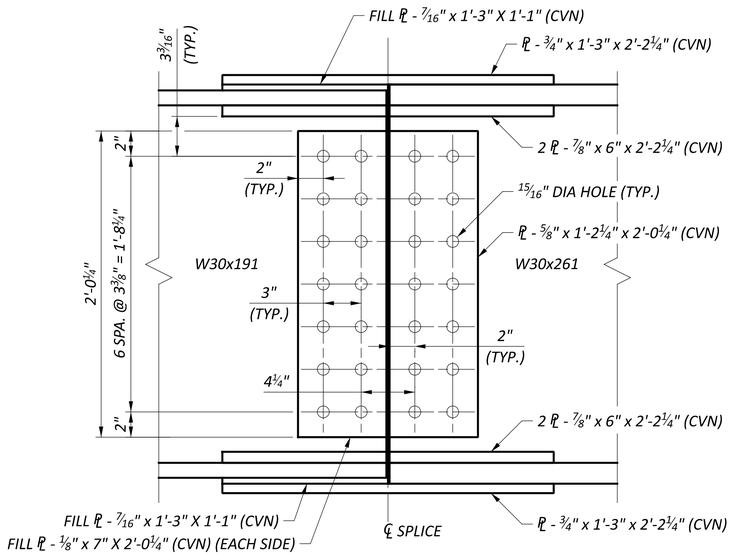
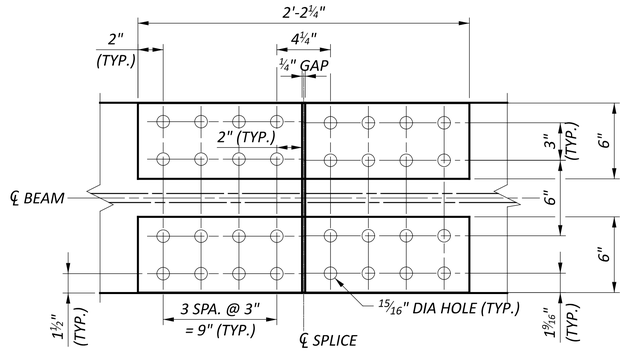
STRUCTURAL STEEL DEFLECTION & CAMBER TABLE (BEAMS 1 - 9)											
POINT	CL BRG. R.A.	1/4 POINT	1/2 POINT	F.S. 1	3/4 POINT	CL PIER 1	1/4 POINT	F.S. 2	1/2 POINT	3/4 POINT	CL BRG. F.A.
DEFLECTION DUE TO WEIGHT OF STEEL	0"	1/8"	1/8"	1/16"	1/16"	0"	1/8"	1/8"	1/4"	3/16"	0"
DEFLECTION DUE TO REMAINING DEADLOAD	0"	7/16"	7/16"	1/4"	1/8"	0"	1/2"	9/16"	1 1/16"	7/8"	0"
ADJUSTMENT REQUIRED FOR VERTICAL CURVE	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
REQUIRED SHOP CAMBER	0"	9/16"	9/16"	5/16"	3/16"	0"	5/8"	11/16"	1 5/16"	1 1/16"	0"



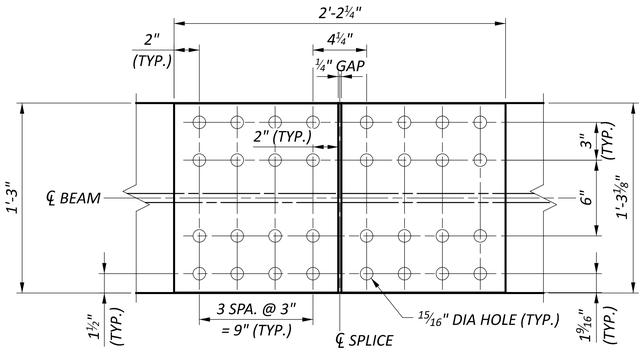
CAMBER AND BLOCKING DIAGRAM - BEAMS 1-9



WEB SPLICE



FLANGE INNER PLATE



FLANGE OUTER PLATE

TYPICAL BEAM FIELD SPLICE DETAILS

NOTES:

1. ALL FIELD SPLICE BOLTS SHALL BE HIGH STRENGTH ⅞" DIA. TYPE 1 GALVANIZED A325 BOLTS.

BEAM DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER PEG
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 26 | TOTAL 35
SHEET P.1345 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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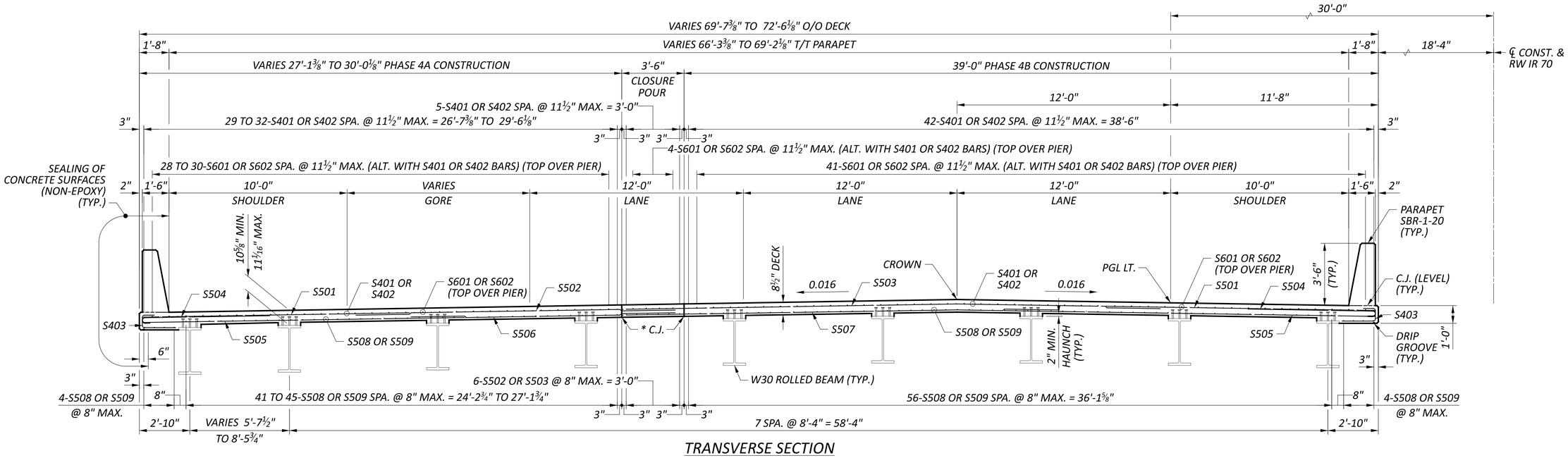

TRANSVERSE SECTION

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

* SEAL WITH HMWM, 2'-0" WIDE CENTERED ON JOINT

NOTES:

1. THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH BEAM HAUNCH. THE ESTIMATE ASSUMES A CONSTANT HAUNCH THICKNESS OF 2⅜" AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.

   THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF THE BEAM/GIRDER, FROM THE SURFACE OF THE DECK TO THE TOP OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.

TRANSVERSE SECTION
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629

DESIGN AGENCY: STRUCTUREPOINT

DESIGNER	CHECKER
BWJ	SJF

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
27	35

SHEET	TOTAL
P.1346	P.1556

FAI/LIC-70.0.00/0.00

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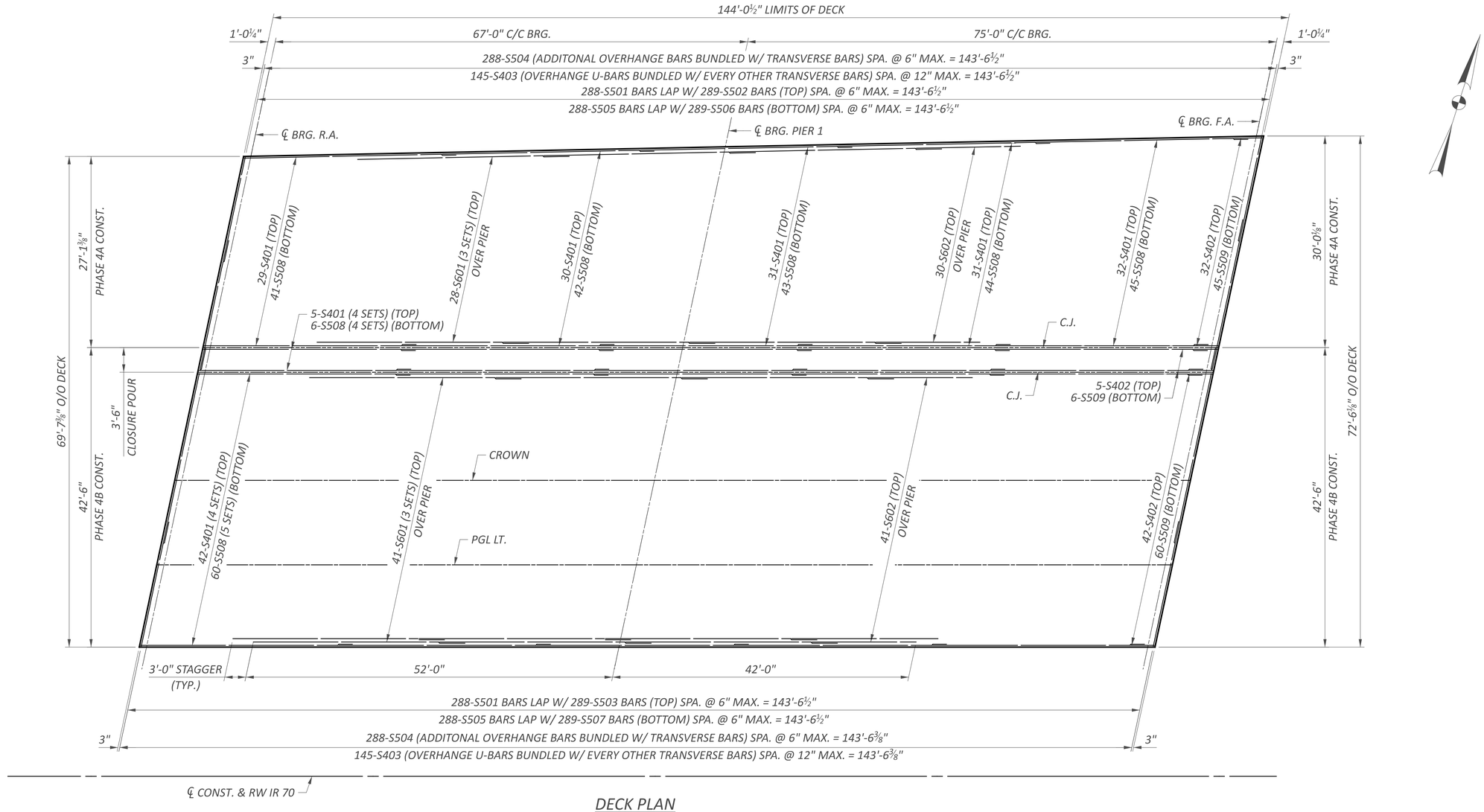

DECK PLAN

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

NOTES:

1. FOR TRANSVERSE SECTION, SEE SHEET 27/35.

DECK PLAN
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
BJW	SJF

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
28	35

SHEET	TOTAL
P.1347	P.1556

FAI/LIC-70.0.00/0.00

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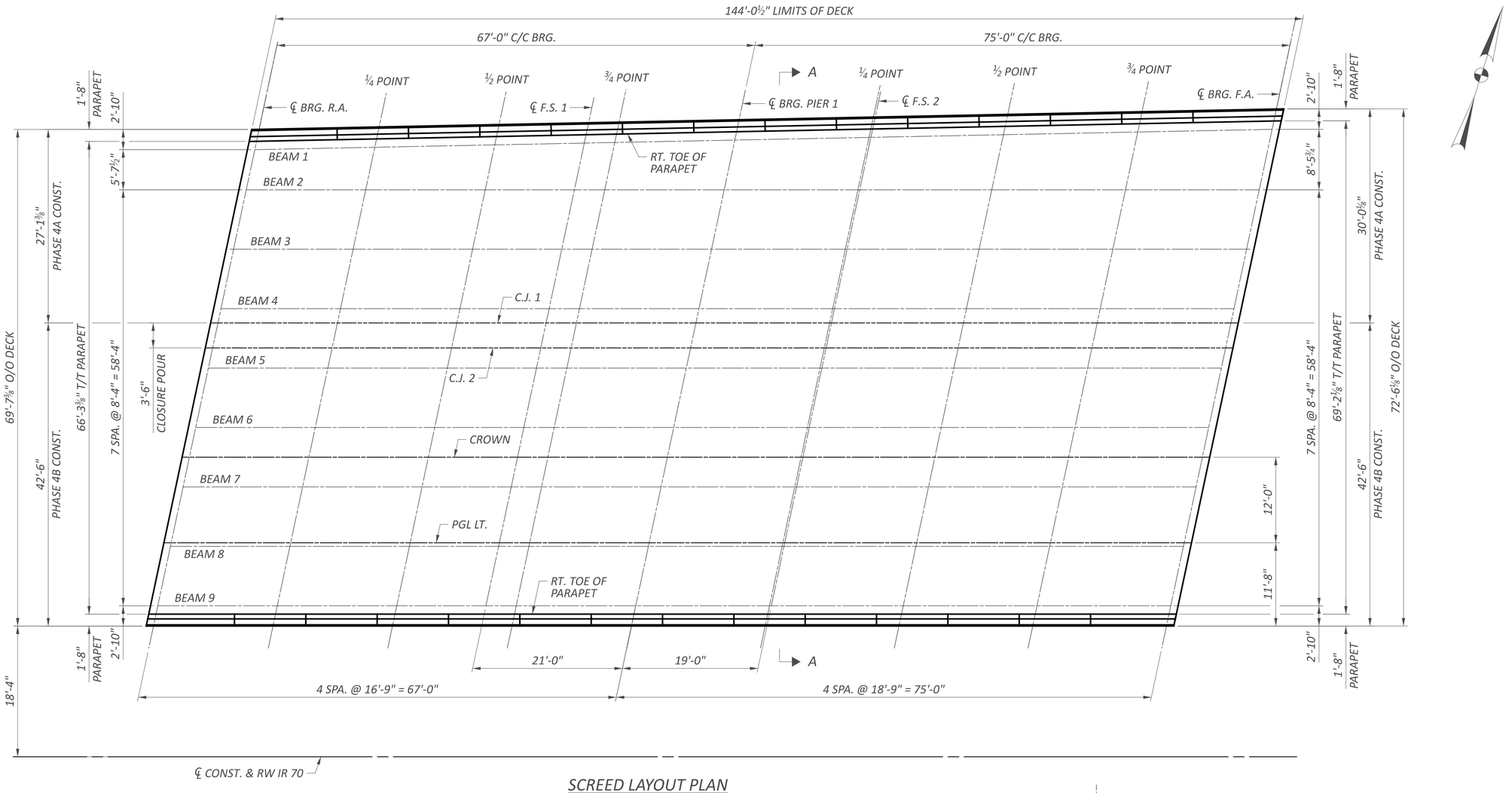
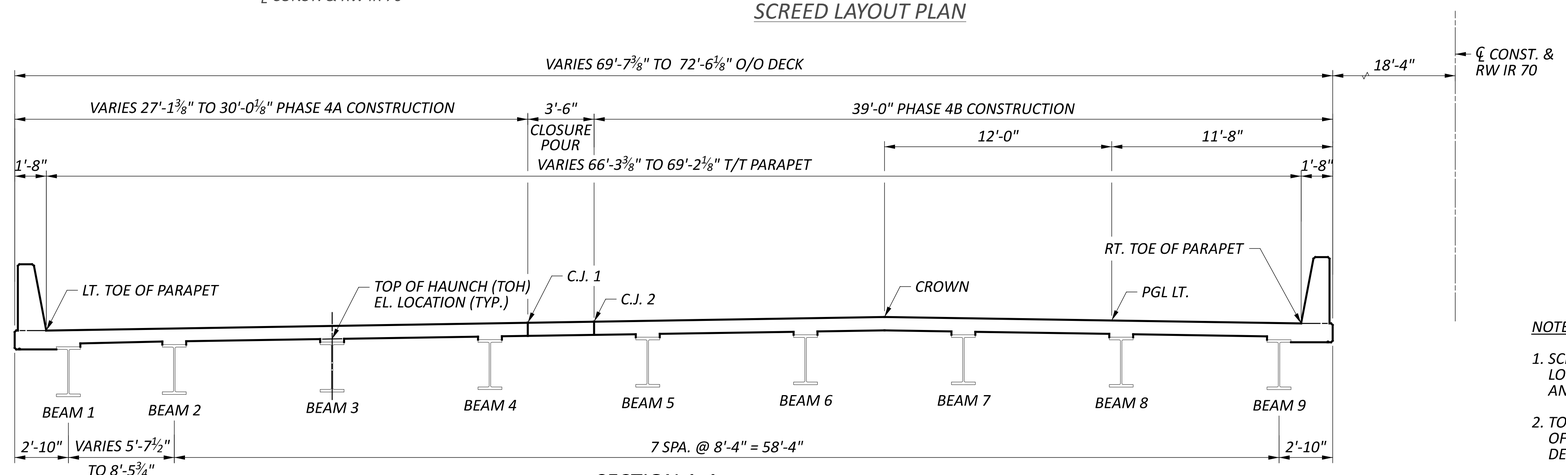


SCREED LAYOUT PLAN



SECTION A-A

NOTES:

1. *SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
2. *TOP OF HAUNCH ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
3. *FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED*

SCREED DETAILS - 1

BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	DAS
CHECKER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	29
TOTAL	35
SHEET	P.1348
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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TOP OF HAUNCH, FINAL DECK SURFACE, AND SCREED ELEVATIONS TABLE

SCREED LINE / DESCRIPTION		℄ BRG. R. A.	¼ POINT	½ POINT	F.S. 1	¾ POINT	℄ PIER NO. 1	¼ POINT	F.S. 2	½ POINT	¾ POINT	℄ BRG. F. A.
FAI-00070-01190 L SCREED ELEVATIONS												
LT. TOE OF PARAPET	STATION	63+14.86	63+31.68	63+48.50	63+61.06	63+65.32	63+82.15	64+00.98	64+01.23	64+19.81	64+38.64	64+57.47
	F.D.S. ELEV.	868.67	868.98	869.30	869.54	869.62	869.94	870.30	870.30	870.66	871.01	871.37
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	868.67	869.02	869.34	869.56	869.63	869.94	870.34	870.35	870.74	871.09	871.37
C.J. 1	STATION	63+09.45	63+26.20	63+42.95	63+55.45	63+59.70	63+76.45	63+95.20	63+95.45	64+13.95	64+32.70	64+51.45
	F.D.S. ELEV.	868.97	869.29	869.61	869.86	869.94	870.26	870.62	870.63	870.98	871.35	871.71
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	868.97	869.33	869.65	869.87	869.95	870.26	870.67	870.67	871.07	871.42	871.71
C.J. 2	STATION	63+08.70	63+25.45	63+42.20	63+54.70	63+58.95	63+75.70	63+94.45	63+94.70	64+13.20	64+31.95	64+50.70
	F.D.S. ELEV.	869.01	869.33	869.66	869.90	869.98	870.30	870.66	870.67	871.03	871.39	871.75
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	869.01	869.37	869.69	869.92	869.99	870.30	870.71	870.71	871.11	871.46	871.75
CROWN	STATION	63+05.44	63+22.19	63+38.94	63+51.44	63+55.69	63+72.44	63+91.19	63+91.44	64+09.94	64+28.69	64+47.44
	F.D.S. ELEV.	869.19	869.52	869.84	870.08	870.16	870.49	870.85	870.85	871.21	871.57	871.93
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	869.19	869.55	869.88	870.10	870.17	870.49	870.89	870.90	871.30	871.64	871.93
PGL LT.	STATION	63+02.89	63+19.64	63+36.39	63+48.89	63+53.14	63+69.89	63+88.64	63+88.89	64+07.39	64+26.14	64+44.89
	F.D.S. ELEV.	868.95	869.27	869.60	869.84	869.92	870.24	870.61	870.61	870.97	871.33	871.69
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	868.95	869.31	869.63	869.86	869.93	870.24	870.65	870.65	871.06	871.40	871.69
RT. TOE OF PARAPET	STATION	63+00.77	63+17.52	63+34.27	63+46.77	63+51.02	63+67.77	63+86.52	63+86.77	64+05.27	64+24.02	64+42.77
	F.D.S. ELEV.	868.75	869.07	869.40	869.64	869.72	870.04	870.40	870.41	870.77	871.13	871.49
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	868.75	869.11	869.43	869.66	869.73	870.04	870.45	870.45	870.85	871.20	871.49
FAI-00070-01190 L TOP OF HAUNCH ELEVATIONS												
BEAM 1	STATION	63+14.61	63+31.43	63+48.25	63+60.81	63+65.07	63+81.90	64+00.73	64+00.98	64+19.56	64+38.39	64+57.22
	F.D.S. ELEV.	868.68	869.00	869.32	869.56	869.64	869.96	870.31	870.32	870.67	871.03	871.39
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	867.97	868.32	868.65	868.87	868.94	869.25	869.65	869.65	870.05	870.39	870.68
BEAM 2	STATION	63+13.41	63+30.16	63+46.91	63+59.41	63+63.66	63+80.41	63+99.16	63+99.41	64+17.91	64+36.66	64+55.41
	F.D.S. ELEV.	868.75	869.07	869.39	869.63	869.72	870.04	870.40	870.41	870.76	871.12	871.49
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.04	868.40	868.72	868.94	869.02	869.33	869.74	869.74	870.14	870.49	870.78
BEAM 3	STATION	63+11.64	63+28.39	63+45.14	63+57.64	63+61.89	63+78.64	63+97.39	63+97.64	64+16.14	64+34.89	64+53.64
	F.D.S. ELEV.	868.85	869.17	869.49	869.73	869.81	870.14	870.50	870.50	870.86	871.22	871.59
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.14	868.49	868.82	869.04	869.12	869.43	869.84	869.84	870.24	870.59	870.88
BEAM 4	STATION	63+09.87	63+26.62	63+43.37	63+55.87	63+60.12	63+76.87	63+95.62	63+95.87	64+14.37	64+33.12	64+51.87
	F.D.S. ELEV.	868.94	869.27	869.59	869.83	869.91	870.24	870.60	870.60	870.96	871.32	871.68
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.24	868.59	868.92	869.14	869.22	869.53	869.93	869.94	870.34	870.69	870.98
BEAM 5	STATION	63+08.10	63+24.85	63+41.60	63+54.10	63+58.35	63+75.10	63+93.85	63+94.10	64+12.60	64+31.35	64+50.10
	F.D.S. ELEV.	869.04	869.37	869.69	869.93	870.01	870.34	870.70	870.70	871.06	871.42	871.78
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.34	868.69	869.02	869.24	869.32	869.63	870.03	870.04	870.44	870.79	871.08
BEAM 6	STATION	63+06.33	63+23.08	63+39.83	63+52.33	63+56.58	63+73.33	63+92.08	63+92.33	64+10.83	64+29.58	64+48.33
	F.D.S. ELEV.	869.14	869.47	869.79	870.03	870.11	870.44	870.80	870.80	871.16	871.52	871.88
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.43	868.79	869.12	869.34	869.42	869.73	870.13	870.14	870.54	870.89	871.17
BEAM 7	STATION	63+04.56	63+21.31	63+38.06	63+50.56	63+54.81	63+71.56	63+90.31	63+90.56	64+09.06	64+27.81	64+46.56
	F.D.S. ELEV.	869.11	869.43	869.75	870.00	870.08	870.40	870.76	870.77	871.13	871.49	871.85
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.40	868.76	869.08	869.31	869.38	869.69	870.10	870.10	870.50	870.85	871.14
BEAM 8	STATION	63+02.79	63+19.54	63+36.29	63+48.79	63+53.04	63+69.79	63+88.54	63+88.79	64+07.29	64+26.04	64+44.79
	F.D.S. ELEV.	868.94	869.26	869.59	869.83	869.91	870.23	870.60	870.60	870.96	871.32	871.68
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.23	868.59	868.92	869.14	869.21	869.53	869.93	869.94	870.34	870.68	870.97
BEAM 9	STATION	63+01.02	63+17.77	63+34.52	63+47.02	63+51.27	63+68.02	63+86.77	63+87.02	64+05.52	64+24.27	64+43.02
	F.D.S. ELEV.	868.77	869.10	869.42	869.66	869.74	870.07	870.43	870.43	870.79	871.15	871.51
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	868.06	868.42	868.75	868.97	869.05	869.36	869.76	869.77	870.17	870.52	870.81

SCREED DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 30 | TOTAL 35
SHEET P.1349 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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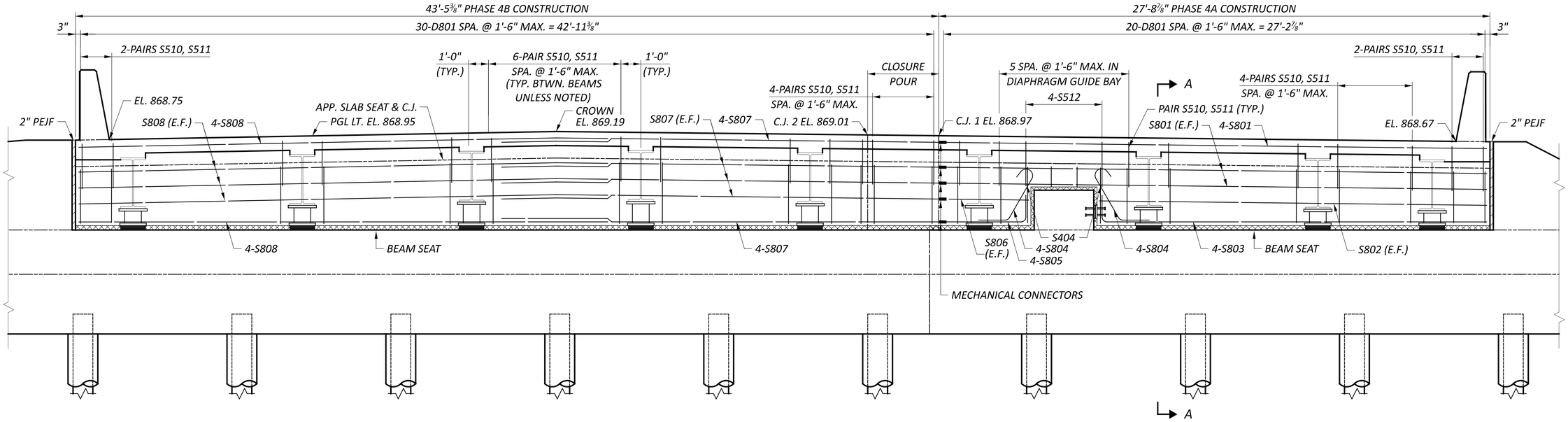
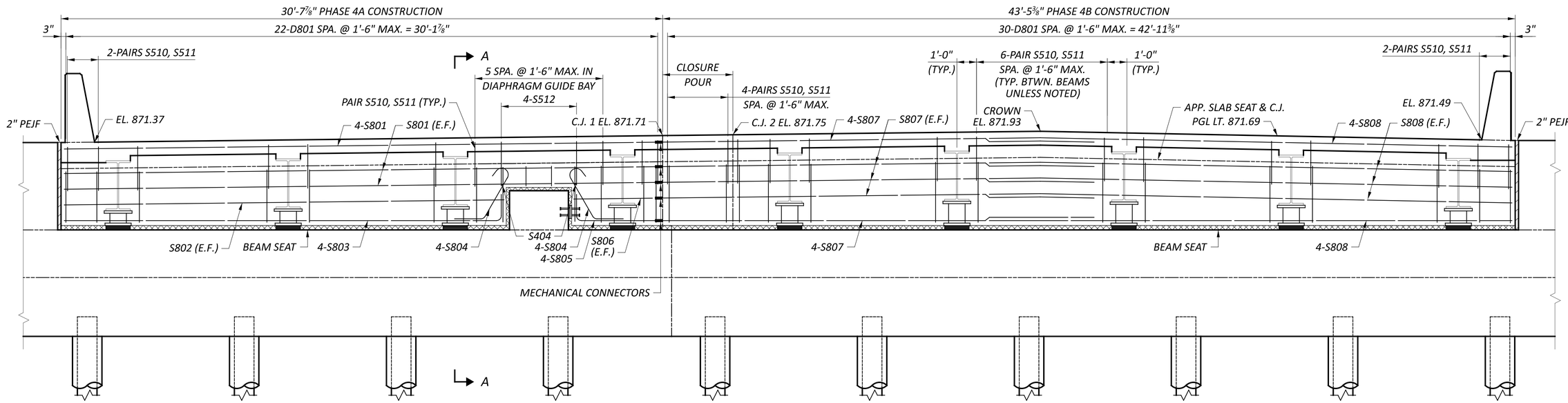


END DIAPHRAGM ELEVATION

REAR ABUTMENT



END DIAPHRAGM ELEVATION

FORWARD ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A , SEE SHEET 32/35.

SUPERSTRUCTURE DETAILS - 1

BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
31	35

SHEET	TOTAL
P.1350	P.1556

FAI/LIC-70.0.00/0.00

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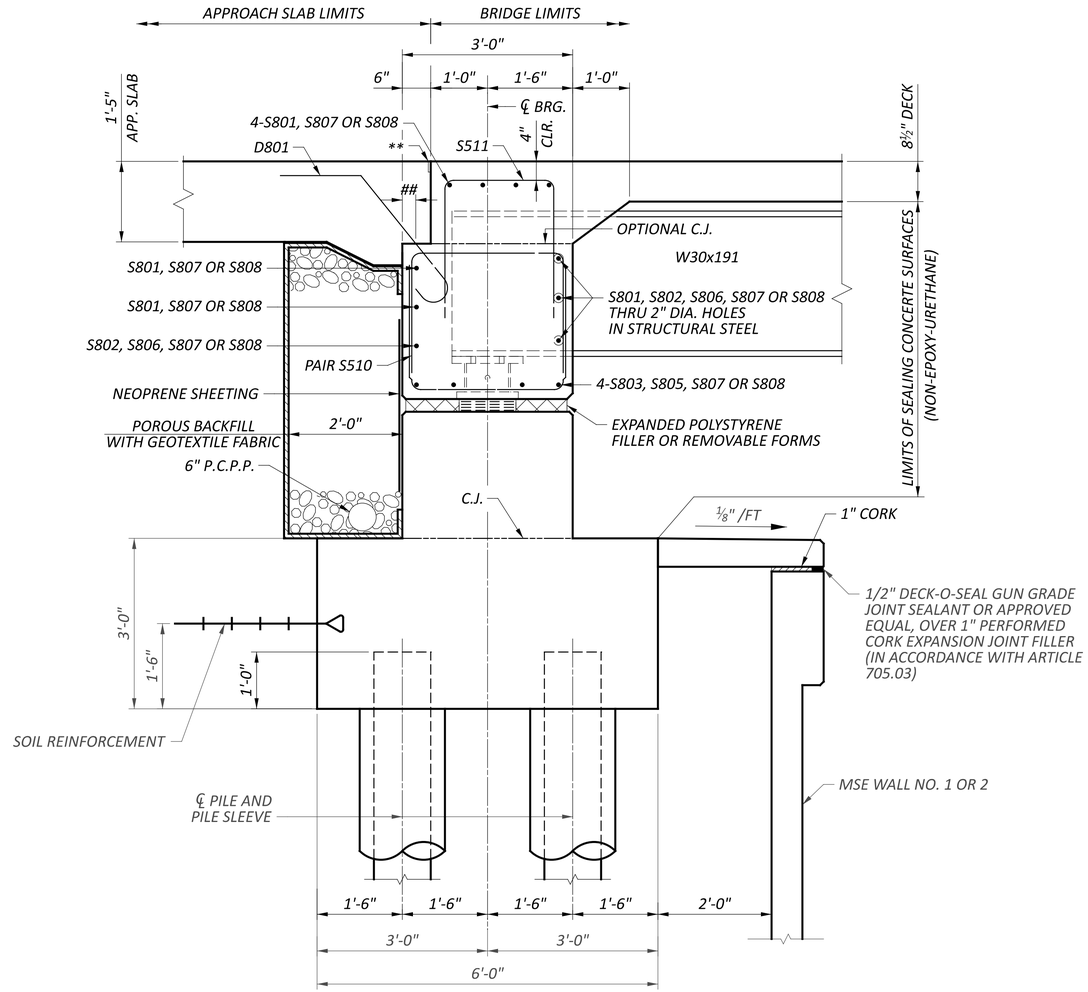

SECTION A-A

ABUTMENT REINFORCING NOT SHOWN FOR CLARITY

2¼" ±¼" CLR.

*** SEE DETAIL "B" ON STANDARD DRAWING AS-1-15*

NOTES:

1. *FOR ABUTMENT DETAILS, SEE SHEET 19/35.*
2. *ABUTMENT DIAPHRAGM CONCRETE, PHASED CONSTRUCTION: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS OF AN INDIVIDUAL PHASE WITH THE DECK CONCRETE OR AT LEAST 48 HOURS BEFORE PLACEMENT OF THE DECK CONCRETE. IF PLACED SEPERATELY, LOCATE A HORIZONTAL CONSTRUCTION JOINT IN THE DIAPHRAGM AS SHOWN ON SICD-1-21 AND PLACE REMAINING DIAPHRAGM CONCRETE WITH THE DECK. PLACE CLOSURE POUR CONCRETE IN THE DIAPHRAGM AND DECK CONCURRENTLY.*

SUPERSTRUCTURE DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN	2301629
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	32
TOTAL	35
SHEET	P.1351
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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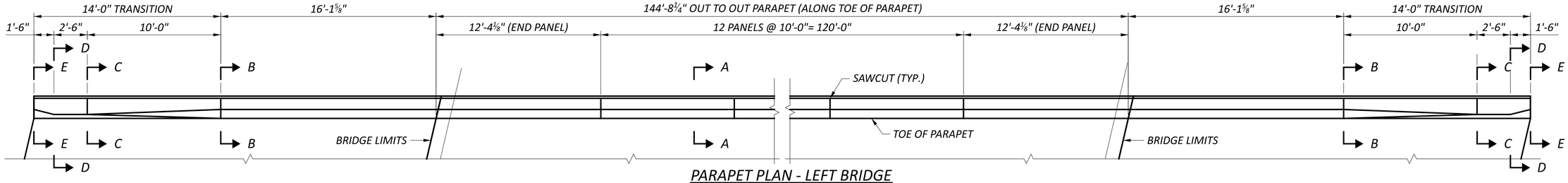
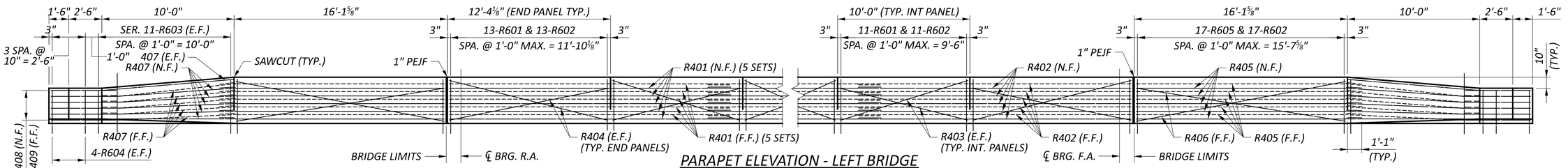


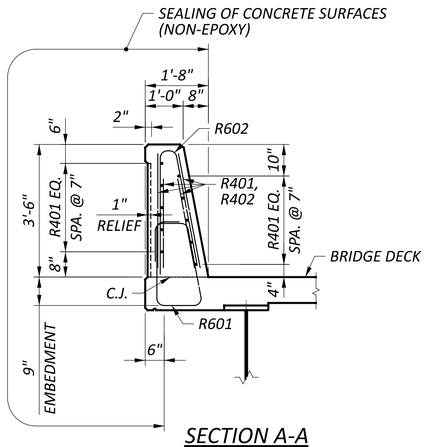
PARAPET PLAN - LEFT BRIDGE

LEFT PARAPET SHOWN

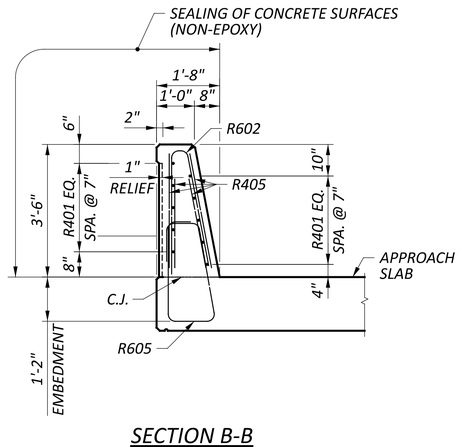


PARAPET ELEVATION - LEFT BRIDGE

LEFT PARAPET SHOWN



SECTION A-A



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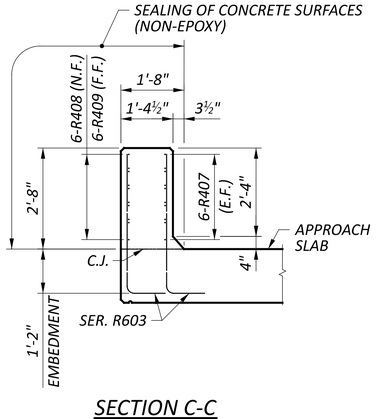
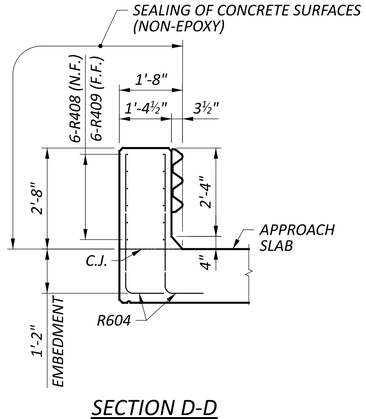


SECTION C-C



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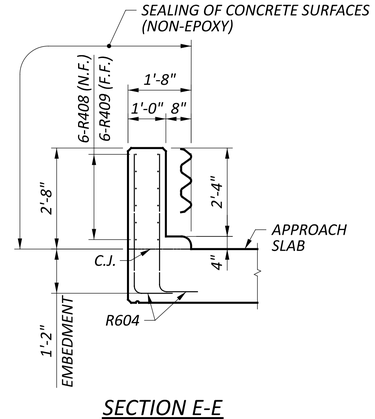

SECTION E-E

MINIMUM BAR LAP	
#4	1'-1"

NOTES:

1. SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.
2. FOR BRIDGE TERMINAL ASSEMBLY. SEE STANDARD CONSTRUCTION DRAWING MSG 3.1.

PARAPET DETAILS - 1
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY: MORPHEUS STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 33 | TOTAL 35
SHEET P.1352 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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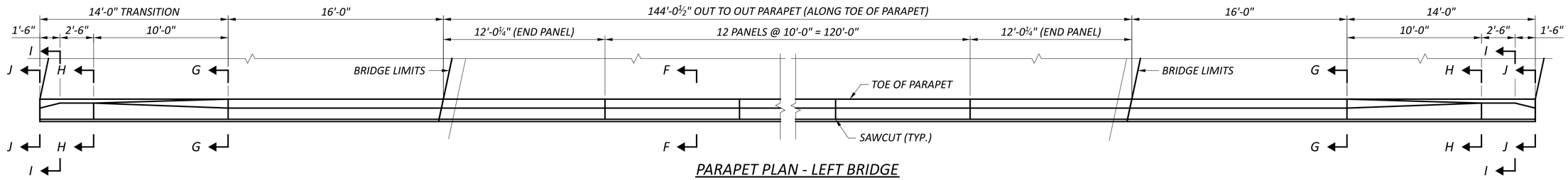
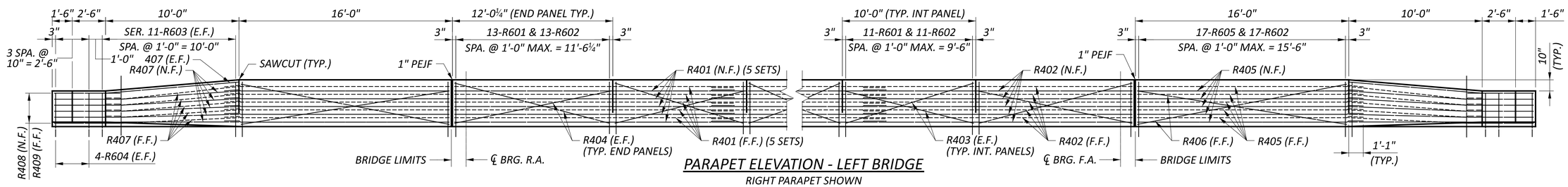


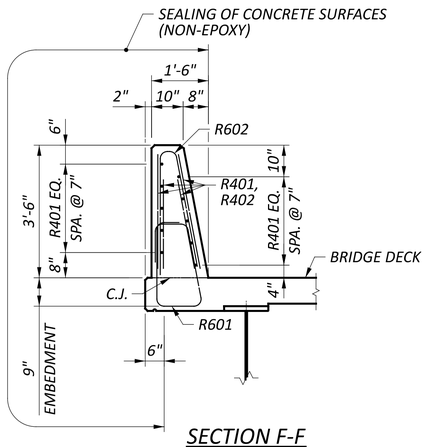
PARAPET PLAN - LEFT BRIDGE

RIGHT PARAPET SHOWN

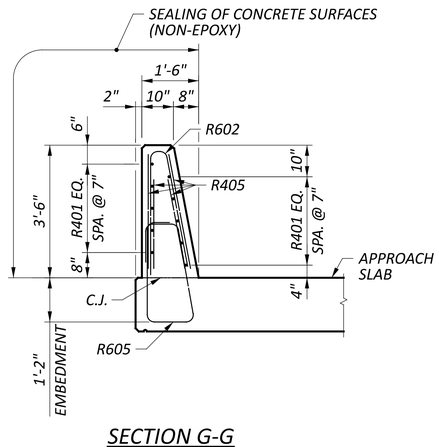


PARAPET ELEVATION - LEFT BRIDGE

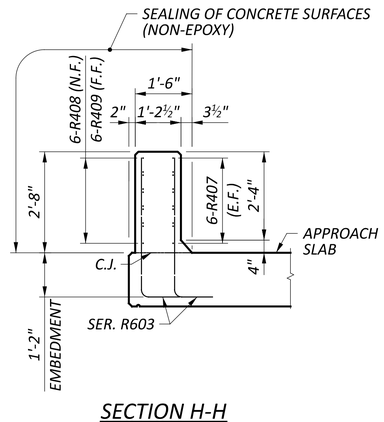
RIGHT PARAPET SHOWN



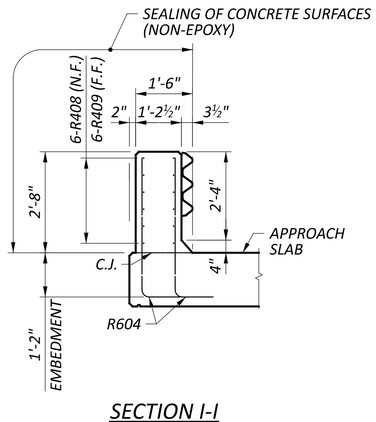
SECTION F-F



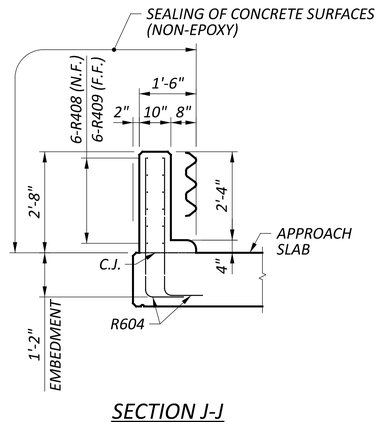
SECTION G-G



SECTION H-H



SECTION I-I



SECTION J-J

MINIMUM BAR LAP	
#4	1'-1"

NOTES:

1. *SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.*
2. *FOR BRIDGE TERMINAL ASSEMBLY. SEE STANDARD CONSTRUCTION DRAWING MSG 3.1.*

PARAPET DETAILS - 2
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 34 | TOTAL 35
SHEET P.1353 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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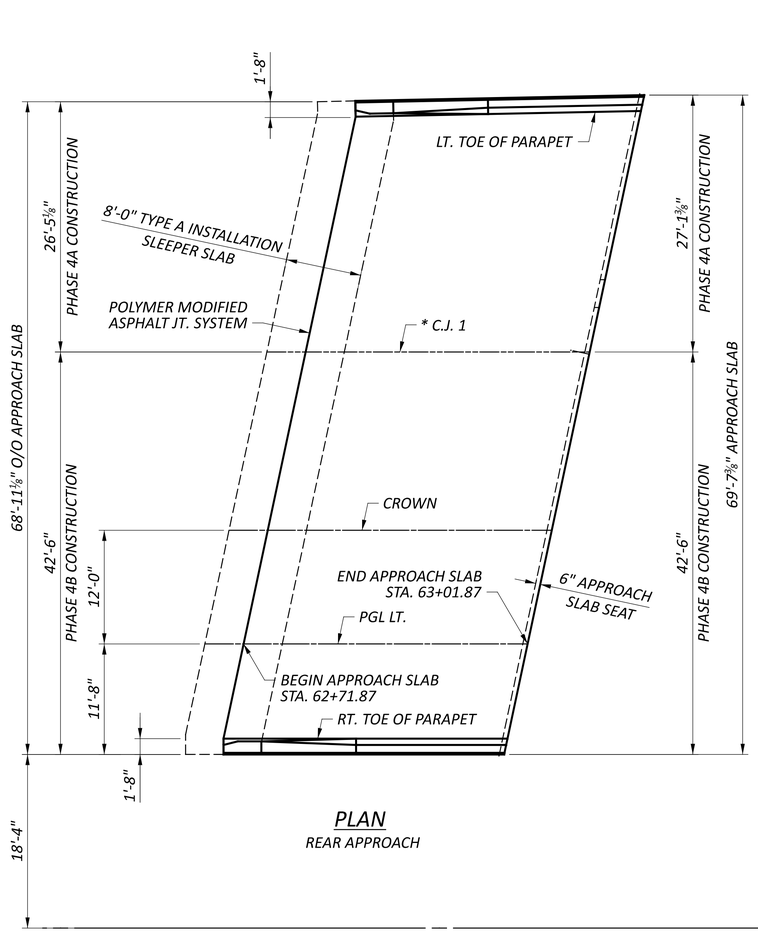
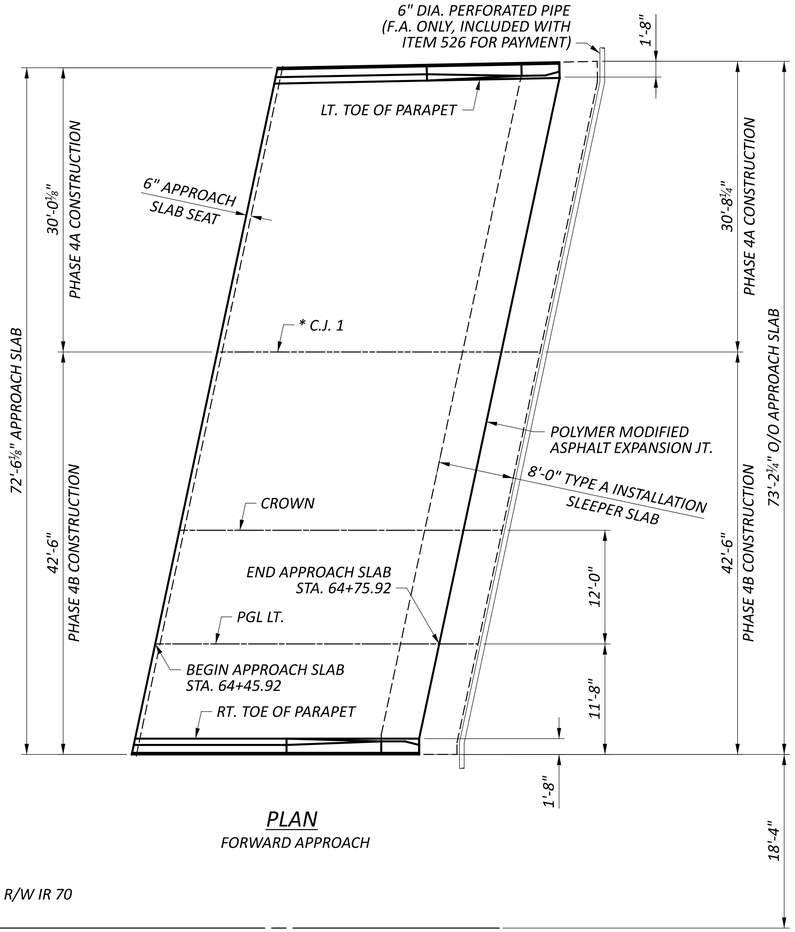


PLAN
REAR APPROACH



PLAN
FORWARD APPROACH

℄ CONST. & R/W IR 70

APPROACH SLAB ELEVATIONS

APPROACH LINE / DESCRIPTION		BEGIN REAR SLEEPER SLAB	BEGIN REAR APPROACH SLAB	END REAR SLEEPER SLAB	END REAR APPROACH SLAB	STRUCTURE LIMITS	BEGIN FWD. APPROACH SLAB	BEGIN FWD. SLEEPER SLAB	END FWD. APPROACH SLAB	END FWD. SLEEPER SLAB
LT. TOE OF PARAPET	STATION	62+79.60	62+83.70	62+87.81	63+13.83		64+58.49	64+84.51	64+88.62	64+92.73
	ELEVATION	866.58	868.07	866.73	868.65		871.39	870.47	871.96	870.62
C.J. 1	STATION	62+74.33	62+78.42	62+82.51	63+08.42		64+52.47	64+78.38	64+82.47	64+86.56
	ELEVATION	866.87	868.37	867.03	868.95		871.73	870.81	872.31	870.97
CROWN	STATION	62+70.33	62+74.42	62+78.51	63+04.42		64+48.47	64+74.38	64+78.47	64+82.56
	ELEVATION	867.10	868.59	867.26	869.17		871.95	871.04	872.53	871.19
PGL LT.	STATION	62+67.78	62+71.87	62+75.96	63+01.87		64+45.92	64+71.83	64+75.92	64+80.00
	ELEVATION	866.86	868.35	867.01	868.93		871.71	870.79	872.29	870.95
RT. TOE OF PARAPET	STATION	62+65.66	62+69.74	62+73.83	62+99.74		64+43.79	64+69.70	64+73.79	64+77.88
	ELEVATION	866.66	868.15	866.81	868.73		871.51	870.59	872.09	870.75

NOTES:

1. FOR STANDARD APPROACH SLAB DETAILS, SEE STANDARDS DRAWING AS-1-15.
2. FOR STANDARD APPROACH SLAB TYPE C INSTALLATION DETAILS, SEE STANDARD DRAWING AS-2-15.
3. APPROACH SLABS SHALL NOT BE POURED WITH BRIDGE DECK.
4. ELEVATIONS GIVEN AT TOP OF APPROACH SLAB AND SLEEPER SLAB.

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00070-01190 L
IR 70 OVER S.R. 256

SFN 2301629
DESIGN AGENCY STRUCTUREPOINT
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 35 | TOTAL 35
SHEET P.1354 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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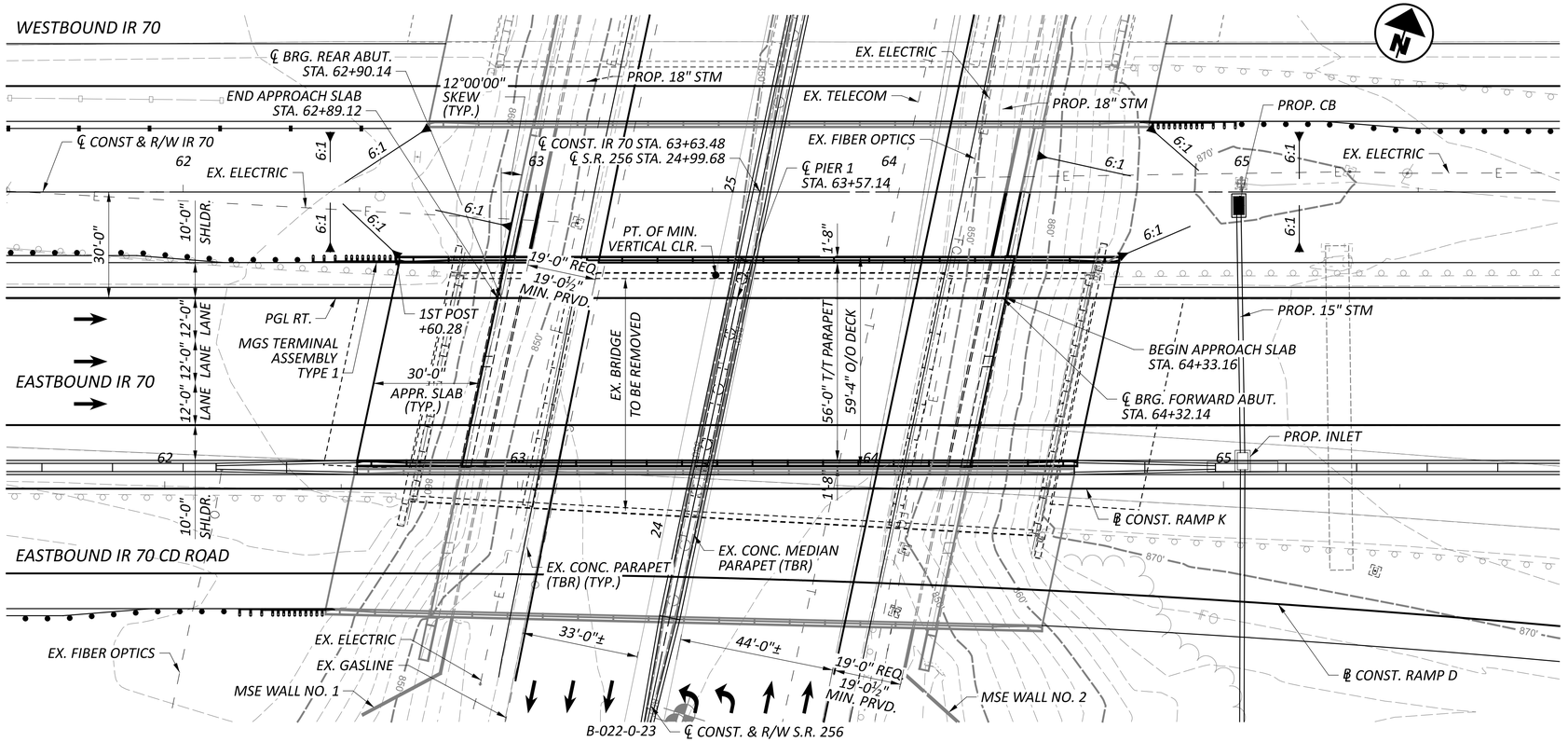
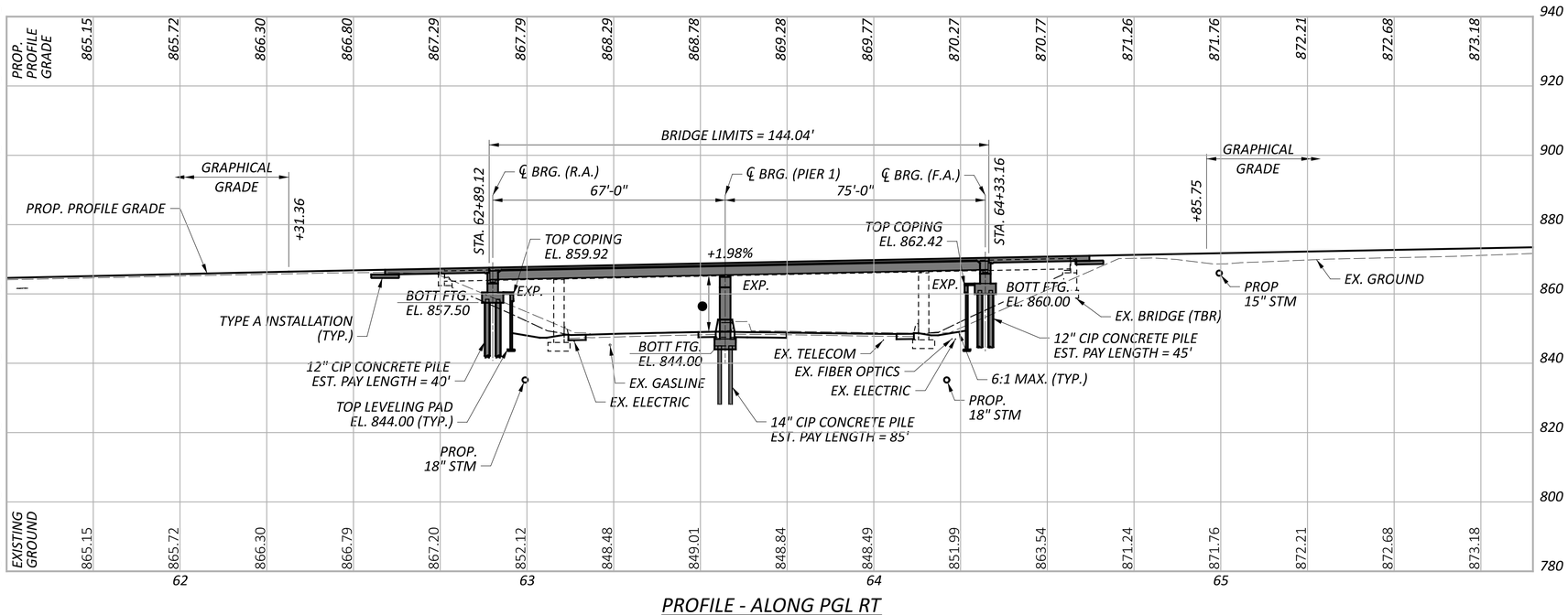


PLAN



PROFILE - ALONG PGL RT

BENCHMARK DATA

C.P. 208 STA. 35+84.10,	ELEV.	851.61,	OFFSET	113.98', RT
C.P. 209 STA. 76+56.01,	ELEV.	890.18,	OFFSET	141.75', LT

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.0020

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2030 ADT = 56,680 2030 ADTT = 6,240
2050 ADT = 76,150 2050 ADTT = 8,380
DIRECTIONAL DISTRIBUTION = 50%

LEGEND

- PROJECT BORING LOCATION
- 15'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
  15'-11½" ACTUAL MINIMUM VERTICAL CLEARANCE

TBR - TO BE REMOVED

EXISTING STRUCTURE

TYPE: NON-COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIERS AND STUB ABUTMENTS WITH SPREAD FOOTING FOUNDATIONS

SPANS: 33'-0"±, 47'-0"±, 58'-0"±, 40'-6"±
ROADWAY: VARIES 62'-7¼" TO 72'-3¼" TOE/TOE PARAPET
LOADING: CF 2000 (57)
SKEW: 12°00'00"± L.F.
WEARING SURFACE: 1¾"± SDC OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: TANGENT
CROWN: 0.016± FT/FT
STRUCTURE FILE NUMBER: 2301652
DATE BUILT: 1967
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIERS AND SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS

SPANS: 67'-0", 75'-0" C/C BRG.
ROADWAY: 56'-0" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL-93
FUTURE WEARING SURFACE: 60 PSF
SKEW: 12°00'00" L.F.
APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15 TYPE A)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 8,547 SF

COORDINATES: LATITUDE 39°56'00.66" N
LONGITUDE 82°47'22.44" W

HORIZONTAL SCALE IN FEET
0 5 10 20

SITE PLAN
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 1 | TOTAL 34
SHEET P.1355 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: CLP_I070 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:55:38 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Structures\SFN_2301653\Structures\SFN_2301653\Sheets\96808_SFN_2301653_SP001.dgn

MSE WALL NO. 1

MSE WALL NO. 2

26

PHASE 4A

PHASE 4B

10'-0" SHLDR.

VARIES RAMP

12'-0" LANE

12'-0" LANE

12'-0" LANE

WESTBOUND IR 70

10'-0" SHLDR.

30'-0"

TEMP. WIRE WALL (PHASE 3)

℄ CONST. & R/W IR 70

62

63

64

65

66

25

30'-0" APP. SLAB

67'-0" C/C BRG.

75'-0" C/C BRG.

30'-0" APP. SLAB

TEMP. WIRE WALL (PHASE 3)

℄ BRG. REAR ABUT. STA. 62+90.14

℄ PIER 1 STA. 63+57.14

℄ BRG. FORWARD ABUT. STA. 64+32.14

30'-0"

10'-0" SHLDR.

12'-0" LANE

12'-0" LANE

12'-0" LANE

EASTBOUND IR 70

PGL. RT.

SKEW" 12°00'00" (TYP.)

PHASE 3 CONSTRUCTION

56'-0" T/T PARAPET

59'-4" O/O DECK

PHASE 3 CONSTRUCTION

TEMP. WIRE WALL (PHASE 2)

EX. SUPERSTRUCTURE CUT LINE

TEMP. SHORING (PHASE 2)

TEMP. SHORING (PHASE 2)

4'-0" SHLDR.

62

63

64

65

66

10'-0" SHLDR.

12'-0" LANE

12'-0" LANE

EASTBOUND IR 70 CD ROAD

24

PHASE 2 CONSTRUCTION

PHASE 2 CONSTRUCTION

℄ CONST. RAMP K

TEMP. WIRE WALL (PHASE 2)

62

63

64

65

66

10'-0" SHLDR.

TEMP. SHORING

℄ CONST. RAMP D

℄ CONST. & R/W S.R. 256

PLAN

NOTES:

1. FOR MSE WALL AND TEMPORARY WIRE WALL DETAILS, SEE MSE WALL NO. 1 AND MSE WALL NO. 2 PLANS.

GENERAL PLAN
BRIDGE NO FAI-00070-01190 R
IR 70 OVER S.R. 256

CTY-RTE-SECTION

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:56:10 PM USER: brieder
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SFN	2301653
DESIGN AGENCY	WSP STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	2
TOTAL	34
SHEET	P.1356
TOTAL	P.1556

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
GSD-1-19	REVISED	07-19-24
PCB-91	REVISED	07-17-20
SBR-1-20	REVISED	07-19-24
SICD-2-14	REVISED	01-15-21

AND THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

SS846	REVISED	04-17-15

DESIGN SPECIFICATIONS:

THE PROPOSED WORK CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING:

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.060 KSF

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI (DECK, PARAPET, SUBSTRUCTURES)

GFRP REINFORCEMENT (PARAPET)

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN:

DESCRIPTION:
THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING STRUCTURE. THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED, I.E. THE EXISTING STRUCTURE USED FOR MAINTAINING TRAFFIC. THE USE OF EXPOSIVES, HEADACHE BALLS, HOE RAM TYPE EQUIPMENT, AND TRACK HOE PULVERIZER/ SHEAR/MULTI-PROCESSOR ATTACHMENTS IS PROHIBITED FOR REMOVAL OF THE EXISTING ABUTMENT AND PIER COMPONENETS WITHIN 18 INCHES OF PORTIONS TO BE PRESERVE, I.E. PORTIONS TO REMAIN FOR MAINTAINING TRAFFIC. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

PROTECTION OF TRAFFIC:
THE CONTRACTOR SHALL SUBMIT PLANS FOR THE PROTECTION OF TRAFFIC (VEHICULAR, PEDESTRIAN, ETC.) AS PER CMS 501.05.B.2.

REMOVAL METHODS:
THE CONTRACTOR MAY REMOVE EXISTING SUBSTRUCTURE CONCRETE BY CUTTING AND BY MEANS OF APPROVED HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS IN THE AREA DESCRIBED ABOVE. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED.

MEASUREMENT AND PAYMENT:
THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202,STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

PAINTING OF STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 514 OF THE C&MS.

THE FINISH COAT COLOR SHALL BE BROWN FS-595C-10324.

SURFACE SMOOTHNESS FOR BRIDGES AND APPROACHES:

AT THE COMPLETION OF WORK FOR ALL PHASES OF CONSTRUCTION AND PRIOR TO OPENING THE BRIDGE TO TRAFFIC, THE CONTRACTOR SHALL PERFORM THE FOLLOWING AS PER PROPOSAL NOTE 555:

1. CLEAN, SWEEP, AND PREPARE THE FINAL DECK AND FINAL ROADWAY SURFACE.
2. MEASURE, GRIND, AND RE-MEASURE THE BRIDGE AND/OR ROADWAY AS NECESSARY.
3. GROOVE THE BRIDGE DECK.

PILE DRIVING CONSTRAINTS:

PRIOR TO DRIVING ABUTMENT PILES TO THE ULTIMATE BEARING VALUE (UBV), CONSTRUCT THE MSE WALL AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENT UP TO THE BOTTOM OF THE FOOTING FOR A MINIMUM DISTANCE OF (1) BEHIND EACH ABUTMENT. THE CONTRACTOR MAY PRE-DRIVE ABUTMENT PILES BEFORE CONSTRUCTING MSE WALLS. PREDRIVING CONSISTS OF INSTALLING THE ABUTMENT PILES INTO THE SOIL ONLY AS FAR AS NECESSARY SO THAT THE PILE WILL REMAIN VERTICAL DURING MSE WALL CONSTRUCTION. IF PRE-DRIVING PILES, INSTALL PILE SLEEVES AROUND PILES BEFORE CONSTRUCTING THE MSE WALL. PROVIDE AT LEAST 3-FT OF PILE ABOVE THE TOP OF THE PILE SLEEVE TO MEET THE REQUIREMENTS OF C&MS 507.09 REGARDING SPLICES. DO NOT DRIVE ABUTMENT PILES TO THE (UBV) UNTIL AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND A (2) CALENDAR DAY WAITING PERIOD HAS ELAPSED. THE ENGINEER MAY ADJUST THE LENGTH OF THE WAITING PERIOD BASED ON SETTLEMENT PLATFORM READINGS. AFTER THE SPECIFIED WAITING PERIOD HAS ELAPSED, DRIVE ABUTMENT PILES TO THE (UBV). IN ORDER TO REMOVE ANY NEGATIVE SKIN FRICTION THAT HAS DEVELOPED DURING THE WAITING PERIOD, DRIVE EACH ABUTMENT PILE A DISTANCE OF AT LEAST 0.5-IN.

IF NOT PRE-DRIVING ABUTMENT PILES, INSTALL THE ABUTMENT PILES THROUGH PILE SLEEVES AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND THE SPECIFIED WAITING PERIOD HAS ELAPSED.

PILES DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE IS 286 KIPS PER PILE FOR THE ABUTMENT PILES. THE ULTIMATE BEARING VALUE IS 429 KIPS PER PILE FOR THE PIER 1 PILES.

REAR ABUTMENT PILES:
12" CIP REINFORCED CONCRETE PILES 45 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 1 PILES:
14" CIP REINFORCED CONCRETE PILES 90 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

FORWARD ABUTMENT PILES:
12" CIP REINFORCED CONCRETE PILES 50 FEET LONG, ORDER LENGTH

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF $\frac{3}{8}$ INCH FOR THE 12"CAST-IN PLACE REINFORCED CONCRETE PILES AND $\frac{5}{16}$ INCH FOR THE 14" CAST-IN-PLACE REINFORCED CONCRETE PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP:

THE ULTIMATE BEARING VALUE IS 429 KIPS PER PILE FOR THE PIER 1 PILES. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

DRIVE THE FIRST TWO PILES AT THE PIER 1 TO THE FULL ESTIMATED LENGTH OF 85 FEET. PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATES A PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF 7 DAYS. INCLUDE THE WAITING PERIOD AS A SEPERATE ACTIVITY IN THE PROGRESS SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

IF THE RESTRIKE TEST RESULTS INDICATE THAT EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FORTHE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER C&MS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 DYNAMIC LOAD TESTING, AS PER PLAN AND A QUANTITY OF ONE EACH ITEM 523 RESTRIKE, AS PER PLAN PER EACH SUBSTRUCTURE UNIT.

DECK PLACEMENT DESIGN ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.32 KIPS.

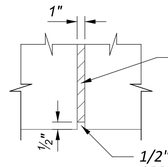
A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 IN.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65".

ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:

ALL 1" PEJF CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER 1/2" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION FOR MAXIMUM EFFECTIVENESS.



1" PREFORMED CORK EXPANSION JOINT FILLER

1/2" DECK-O-SEAL GUN GRADE JOINT SELANT OR APPROVED AQUAL, OVER 1" PREFORMED CORK EXPANSION JOINT FILLER IN ACCORDANCE WITH ARTIC 705.03

DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

GENERAL NOTES - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 3 | TOTAL 34
SHEET P.1357 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:56:27 PM USER: brieder
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ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN:

IN ADDITION TO THE WORK ITEMS REQUIRED IN 511, THESE ITEMS WILL INCLUDE THE DEVELOPMENT, DELIVERY AND PLACEMENT OF A CLASS QC2 AND QC1 SELF CONSOLIDATING CONCRETE MIX DESIGN AS DESCRIBED IN THE FOLLOWING NOTE:

PROVIDE A CONCRETE MIX WITH THE FOLLOWING PROPERTIES:

SELF-CONSOLIDATING CONCRETE (SCC): WHEN REQUIRED IN THE DESIGN PLANS OR APPROVED BY THE ENGINEER, PROVIDE AN SCC MIX WITH AGGREGATE GRADATIONS WITHIN ZONE II OF THE COARSENESS FACTOR CHART THAT IS FLOWABLE, NON-SEGREGATING CONCRETE THAT CAN SPREAD INTO PLACE, FILL THE FORMWORK, AND ENCAPSULATE THE REINFORCEMENT WITHOUT MECHANICAL CONSOLIDATION. INCREASING THE AMOUNT OF AN APPROVED 705.12 (SCC) ADMIXTURE OF AN APPROVED JMF TO ACHIEVE THE DESIRED CONSISTENCY; RE-PROPORTIONING THE AGGREGATES WITHIN ZONE II; ADDING CEMENTITIOUS MATERIAL; AND INCLUDING A VISCOSITY MODIFYING ADMIXTURE (VMA) ARE ACCEPTABLE METHODS OF IMPROVING THE STABILITY OF THE MIX. A NEW MIX DESIGN IS NOT REQUIRED.

SLUMP REQUIREMENTS OF TABLE 499.04-1 DO NOT APPLY.

ESTABLISH QUALITY CONTROL PROCEDURES IN THE QUALITY CONTROL PLAN FOR SCC CONCRETE. SET THE TARGET SLUMP FLOW FOR THE MIX AND MAINTAIN THE FLOW WITHIN ` 2 INCHES. VISUALLY INSPECT THE STABILITY OF THE MIX TO ENSURE THAT THERE IS NO AGGREGATE PILE IN THE MIDDLE OF, NOR MORTAR HALO IN EXCESS OF ½ INCH ON THE LEADING EDGE OF THE SLUMP FLOW TEST PILE. TEST THE SLUMP FLOW ACCORDING TO ASTM C1611.

GRADATION:

PROVIDE A WELL-GRADED CONCRETE MIX BY MAINTAINING THE GRADATION OF THE COMBINATION OF AGGREGATES WITHIN ZONE II (OPTIMAL) OF THE COARSENESS FACTOR CHART (FIGURE 1) AS DEFINED IN THE COMPASS OR EQUAL SOFTWARE. USE A 1 INCH NOMINAL MAXIMUM SIZE AGGREGATE. ENSURE THAT THE DESIGN YIELD IS 27.0 CU. FT.

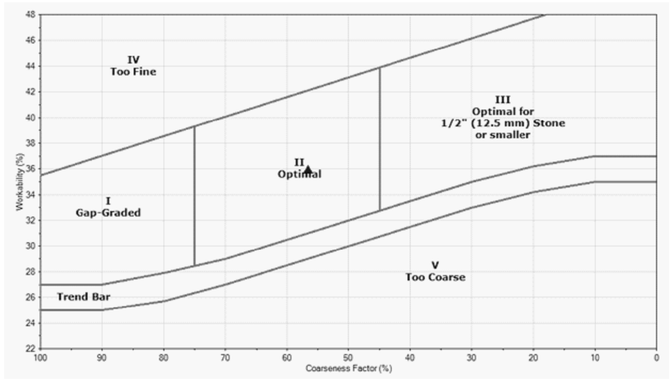


FIGURE 1- COARSENESS FACTOR CHART

USE THE FOLLOWING SIEVE SIZES TO DETERMINE THE GRADATION OF THE AGGREGATES:

1 1/2 INCH	# 8
1 INCH	# 16
3/4 INCH	# 30
1/2 INCH	# 50
3/8 INCH	# 100
#4	# 200

IN THE CHART:
WORKABILITY FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT PASSES THE NO. 8 SIEVE. COARSENESS FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT IS RETAINED ON THE NO. 8 SIEVE THAT IS ALSO RETAINED ON THE 3/8 IN. SIEVE. THE CHART IS BASED ON A CEMENT CONTENT OF 564 LBS /CU.YD. ADJUST TO WORKABILITY PROPORTIONATELY AND DIRECTLY BY 2.5% PER 94 LBS. OF CEMENT WHEN USING EITHER LESS OR MORE. ENSURE THAT THE CONCRETE MIX DESIGN IS WORKABLE AND FINISHABLE DURING THE TRIAL PROCESS. WHEN THE MIX IS DETERMINED TO HAVE ISSUES RELATING TO WORKABILITY OR FINISHABILITY IN THE FIELD, THE DEPARTMENT MAY RESCIND THE MIX DESIGN ACCEPTANCE.

THIS S.C.C. CONCRETE IS BEING UTILIZED TO BEST FILL THE FORMLINED CONCRETE POURS WHERE SPECIFIED IN THIS PLAN.

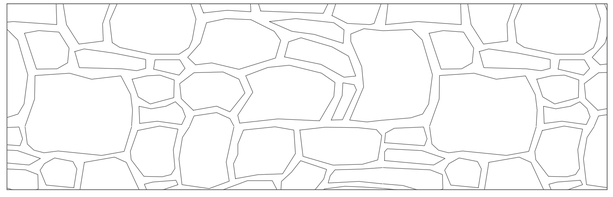
THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 2626 LIGHT GRAY AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL.
THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

PAYMENT WILL INCLUDE DEVELOPMENT AND PLACEMENT OF THE SELF CONSOLIDATING CONCRETE MIX, ALL AESTHETIC TREATMENT INCLUDING THE CONCRETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN



ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	PANEL SURFACE TREATMENT:	SPECIFICATIONS:
CUSTOM ROCK INTERNATIONAL	NEW ENGLAND DRYSTACK # 12003	MAX RELIEF 1⅜" LINER THICKNESS 2¼" STONE SIZE 3" TO 24"
SPEC FORMLINERS, INC.	WASHINGTON DRYSTACK # 1581	MAX RELIEF 1½" LINER THICKNESS 2¾" STONE SIZE 4" TO 24"
APPROVED EQUAL	APPROVED EQUAL	APPROVED EQUAL

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	= ABUTMENT
A.T.G.	= ADJUST TO GRADE
BRG.	= BEARING
CB	= CATCH BASIN
C/C	= CENTER -TO-CENTER
C.J.	= CONSTRUCTION JOINT
CLR.	= CLEARANCE
CONST.	= CONSTRUCTION
DIA.	= DIAMETER
DWG.	= DRAWING
EA.	= EACH
E.F.	= EACH FACE
EL.	= ELEVATION
EST.	= ESTIMATED
EX.	= EXISTING
F.A.	= FORWARD ABUTMENT
F.D.S.	= FINAL DECK SURFACE
F.F.	= FAR FACE
INV.	= INVERT
LT.	= LEFT
MH	= MANHOLE
N.P.C.P.P.	= NON-PERFORATED CORRUGATED PLASTIC PIPE
N.F.	= NEAR FACE
O/O	= OUT-TO-OUT
P.C.P.P.	= PERFORATED CORRUGATED PLASTIC PIPE
PEJF	= PREFORMED EXPANSION JOINT FILLER
PROP.	= PROPOSED
R.A.	= REAR ABUTMENT
REQD.	= REQUIRED
RT.	= RIGHT
SER.	= SERIES
SHLD.	= SHOULDER
SPA.	= SPACES
STA.	= STATION
STD.	= STANDARD
STM	= STORM SEWER LINE
T&B	= TOP AND BOTTOM
T/S	= TOP OF SLOPE
T/T	= TOE-TO-TOE
TYP.	= TYPICAL
UN	= UNLESS NOTED

GENERAL NOTES - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
4	34

SHEET	TOTAL
P.1358	P.1556

FAI/LIC-70.0.00/0.00

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ESTIMATED QUANTITIES

CALCULATED BY: SJF DATE: 4/18/25
CHECKED BY: ABD DATE: 4/21/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
202	11003		LS	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	2/34
202	22900	150	SY	APPROACH SLAB REMOVED				150	
202	23500	150	SY	WEARING COURSE REMOVED				150	
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING				LS	
503	21300		LS	UNCLASSIFIED EXCAVATION				LS	
505	11100		LS	PILE DRIVING EQUIPMENT MOBILIZATION				LS	
507	00500	1400	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	1400				
507	00550	1600	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	1600				
507	00600	1700	FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		1700			
507	00650	1800	FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED		1800			
509	10000	149425	LB	EPOXY COATED STEEL REINFORCEMENT	26225	14600	108600		
509	30020	4500	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			4500		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2				
511	34446	296	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			296		
511	34451	66	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN			66		3/34
511	41012	44	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		44			
511	44113	59	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN	59				3/34
511	46512	130	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	106	24			
512	10050	676	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	73	130	473		
512	33000	13	SY	TYPE 2 WATERPROOFING	13				
513	10260	273108	LB	STRUCTURAL STEEL MEMBERS, LEVEL 3			273108		
513	20000	6552	EACH	WELDED STUD SHEAR CONNECTORS			6552		
514	00060	13049	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			13049		
514	00066	13049	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			13049		
514	10000	6	EACH	FINAL INSPECTION REPAIR			6		
516	13601	67	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	50		17		2/34
516	13901	54	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	54				2/34
516	14020	142	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	142				
516	44100	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)		8			
516	44101	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	16				21/34
518	21200	52	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	52				
518	40000	122	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	122				
518	40010	90	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	90				
523	20000	1	EACH	DYNAMIC LOAD TESTING	1				
523	20001	1	EACH	DYNAMIC LOAD TESTING, AS PER PLAN		1			2/34
523	20501	1	EACH	RESTRIKE, AS PER PLAN		1			2/34
526	30010	396	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")				396	
526	90010	122	FT	TYPE A INSTALLATION				122	
846	00110	53	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				53	

FAI/LIC-70.0.00/0.00

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STRUCTURE ESTIMATED QUANTITIES
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY
STRUCTUREPOINT INC.

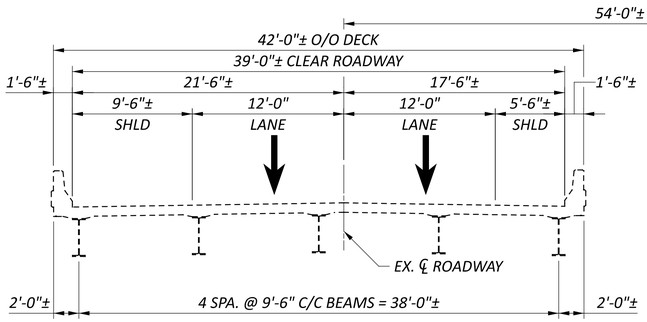
DESIGNER	CHECKER
SJF	ABD

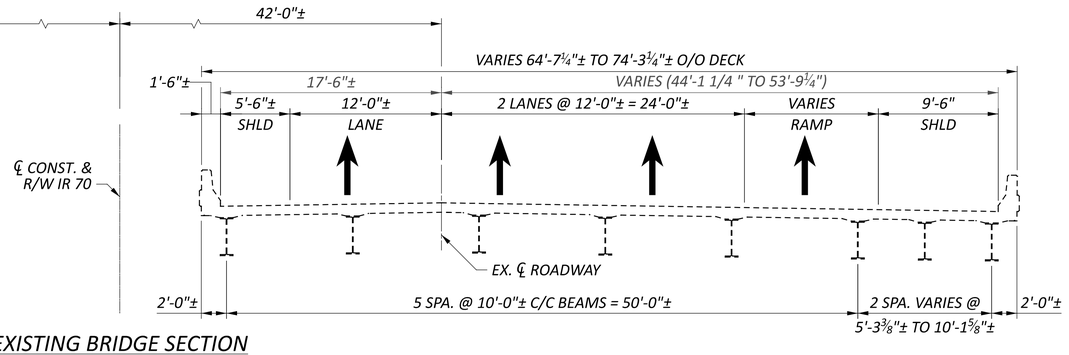
REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
5	34

SHEET	TOTAL
P.1359	P.1556





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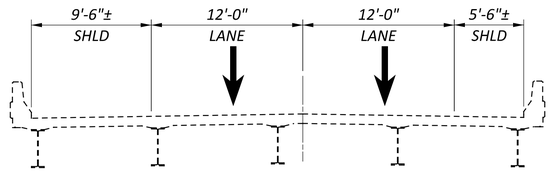
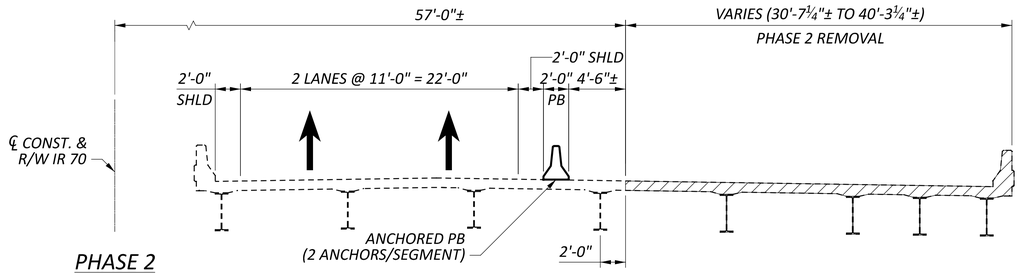
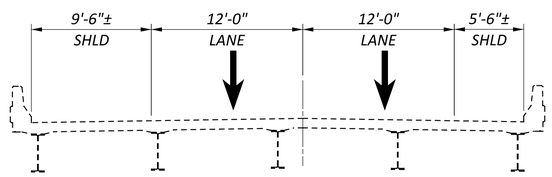
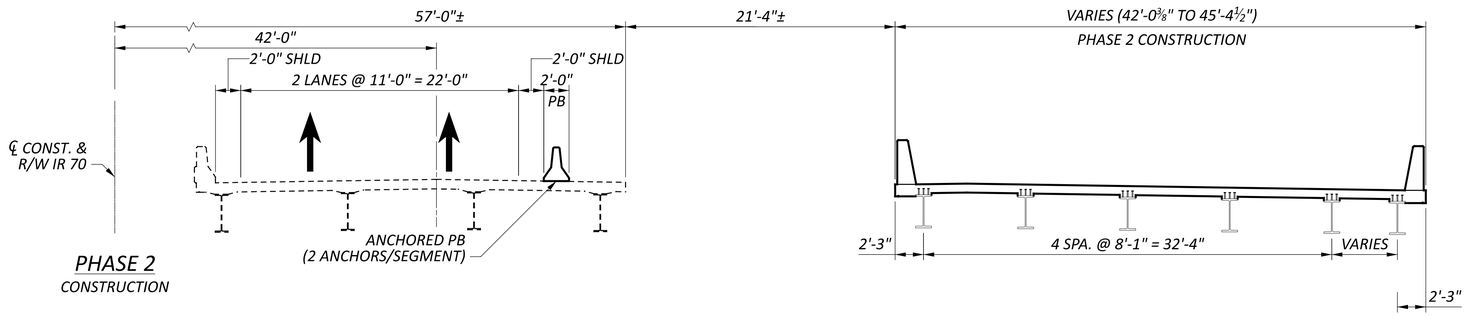


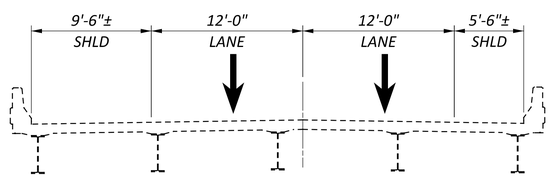


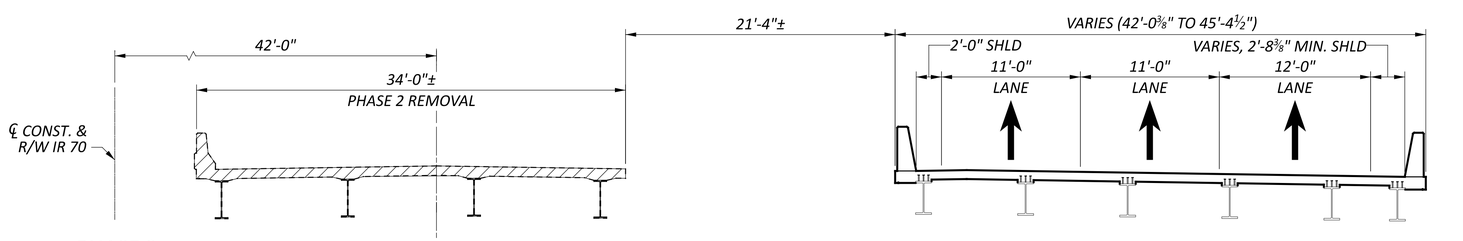
PHASE 2 REMOVAL





PHASE 2 CONSTRUCTION





PHASE 3 REMOVAL

CONSTRUCTION SEQUENCE

PHASE 2:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS AND PER STD DWG PCB-91 OR RM-4.2.
2. INSTALL TEMPORARY SHORING AT THE EXISTING ABUTMENTS AS NECESSARY TO FACILITATE PHASE 2 REMOVALS.
3. REMOVE PHASE 2 PORTIONS OF EX. EB STRUCTURE.
4. CONSTRUCT CD ROAD STRUCTURE INCLUDING PORTIONS OF MSE WALL AND TEMP WIRE FACE WALL.

PHASE 3:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS.
2. REMOVE REMAINING PORTIONS OF EX. EB STRUCTURE.
3. CONSTRUCT EB STRUCTURE INCLUDING PORTIONS OF MSE WALL AND TEMP. WIRE FACE WALL.

LEGEND

LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.

PHASE CONSTRUCTION DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
6	34

SHEET	TOTAL
P.1360	P.1556

FAI/LIC-70.0.00/0.00

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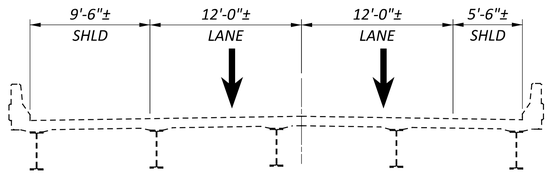
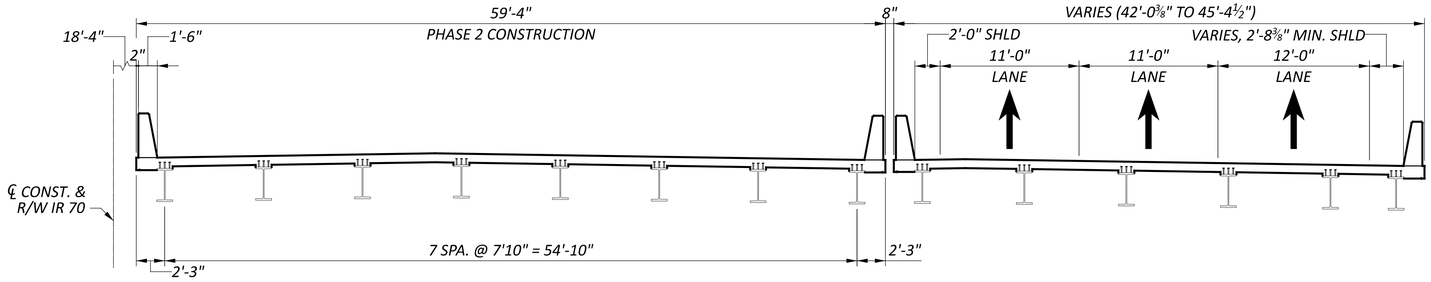
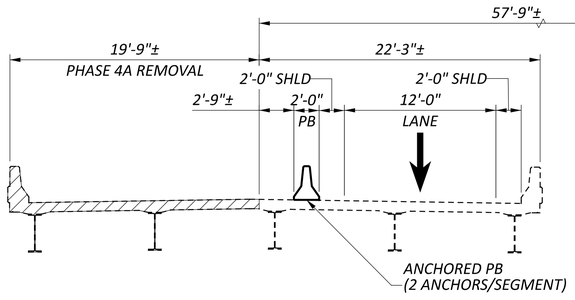
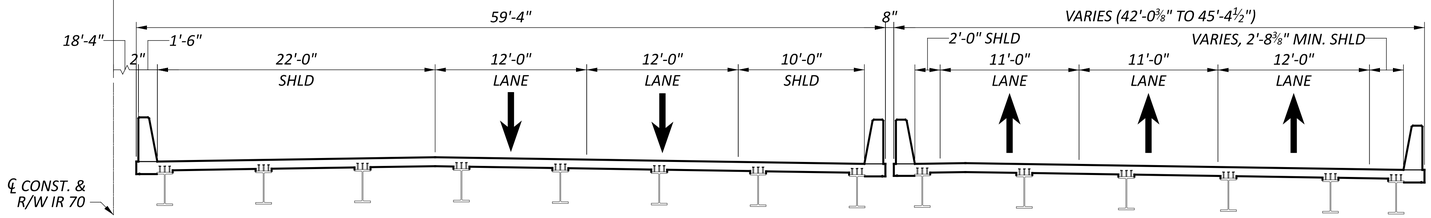


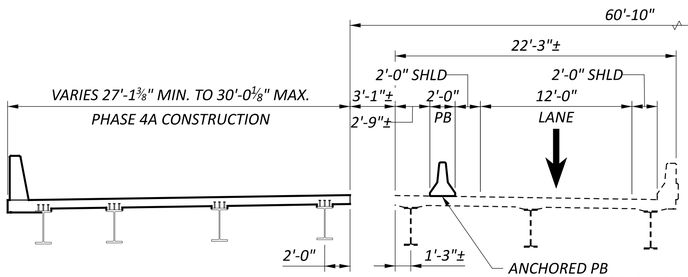


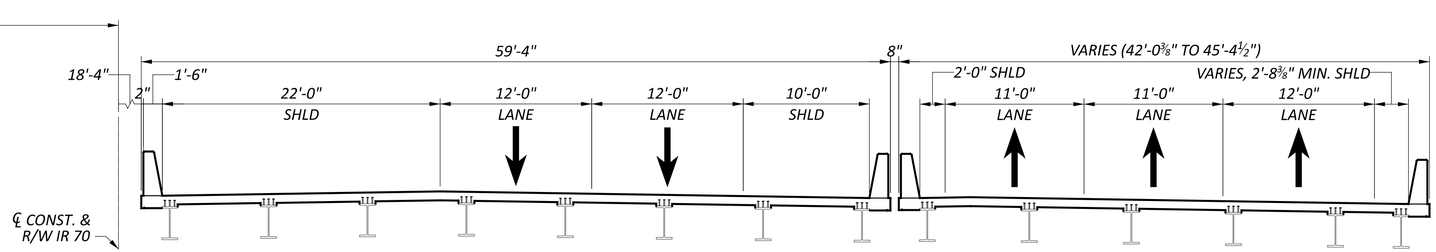
PHASE 3
CONSTRUCTION





PHASE 4A
REMOVAL





PHASE 4A
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4A:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS AND PER STD DWG PCB-91 OR RM-4.2.
2. INSTALL TEMPORARY SHORING AT THE EXISTING ABUTMENTS AS NECESSARY TO FACILITATE PHASE 4A REMOVALS.
3. REMOVE PHASE 4A PORTIONS OF EX. WB STRUCTURE.
4. CONSTRUCT PORTIONS OF WB STRUCTURE INCLUDING MSE WALL AND TEMP. WIRE FACE WALL.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.

PHASE CONSTRUCTION DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
7	34

SHEET	TOTAL
P.1361	P.1556

FAI/LIC-70.0.00/0.00

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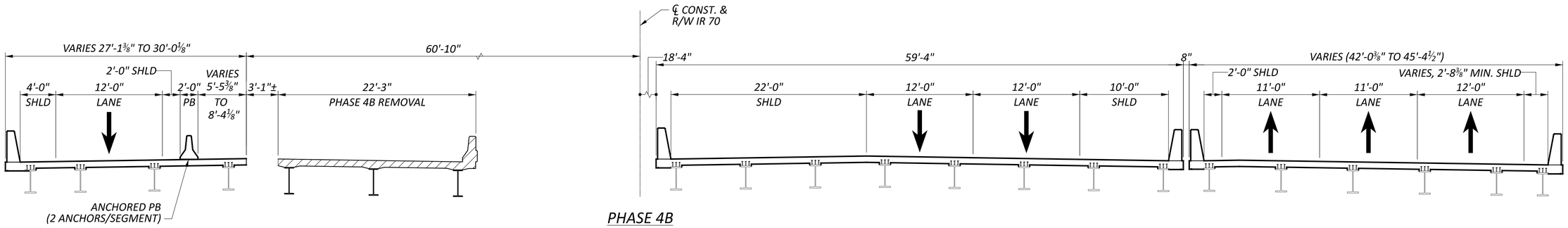
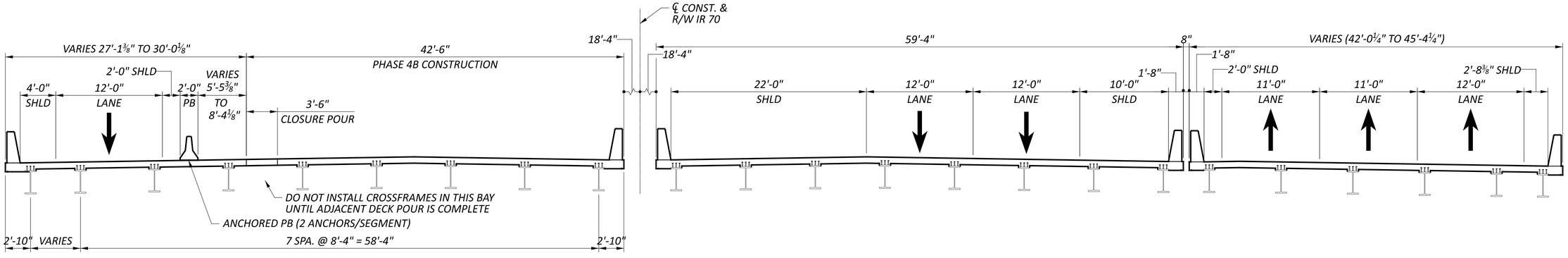


PHASE 4B
REMOVAL



PHASE 4B
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4B:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS.
2. REMOVE REMAINING PORTIONS OF THE EX. WB STRUCTURE.
3. CONSTRUCT REMAINING PORTION OF WB STRUCTURE AND MSE WALL OTHER THAN DECK AND DIAPHRAGM CLOSURE POUR.
4. INSTALL CROSSFRAMES IN BAY 4 AND PLACE CLOSURE POUR.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.
2. PORTABLE BARRIER ANCHOR HOLES IN NEW CONCRETE DECK TO BE FILLED WITH NONSHRINK, NONMETALLIC GROUT PER ITEM 510 AND SEAL WITH HMWM. PAYMENT TO BE INCLUDED WITH ITEM 614, MAINTANING TRAFFIC.

PHASE CONSTRUCTION DETAILS - 3
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 8 | TOTAL 34
SHEET P.1362 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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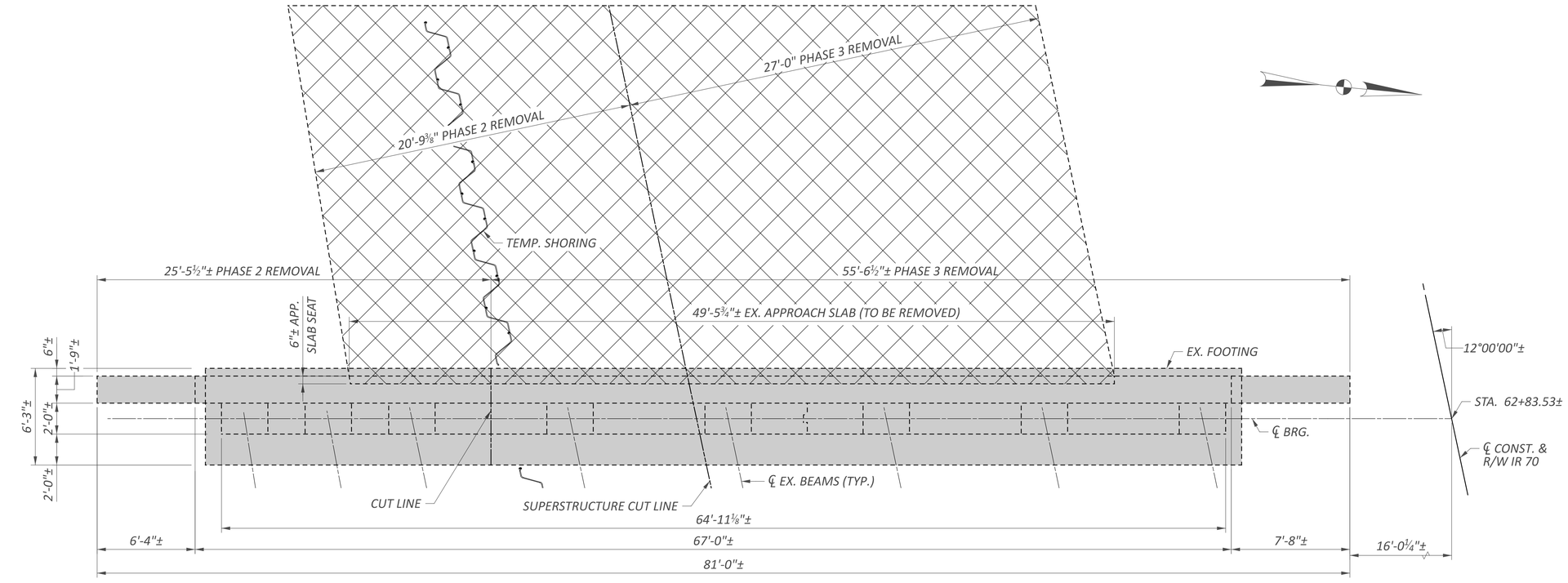
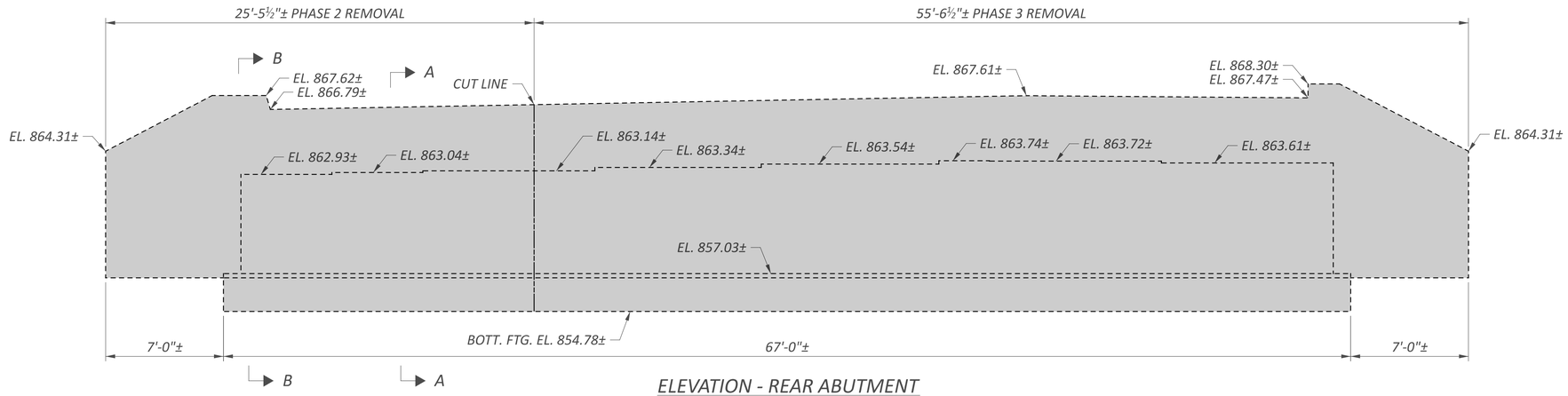


PLAN - REAR ABUTMENT



ELEVATION - REAR ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 11/34.

REMOVAL DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER CLB 04/25/25

PROJECT ID 96808

SUBSET	TOTAL
9	34

SHEET	TOTAL
P.1363	P.1556

FAI/LIC-70.0.00/0.00

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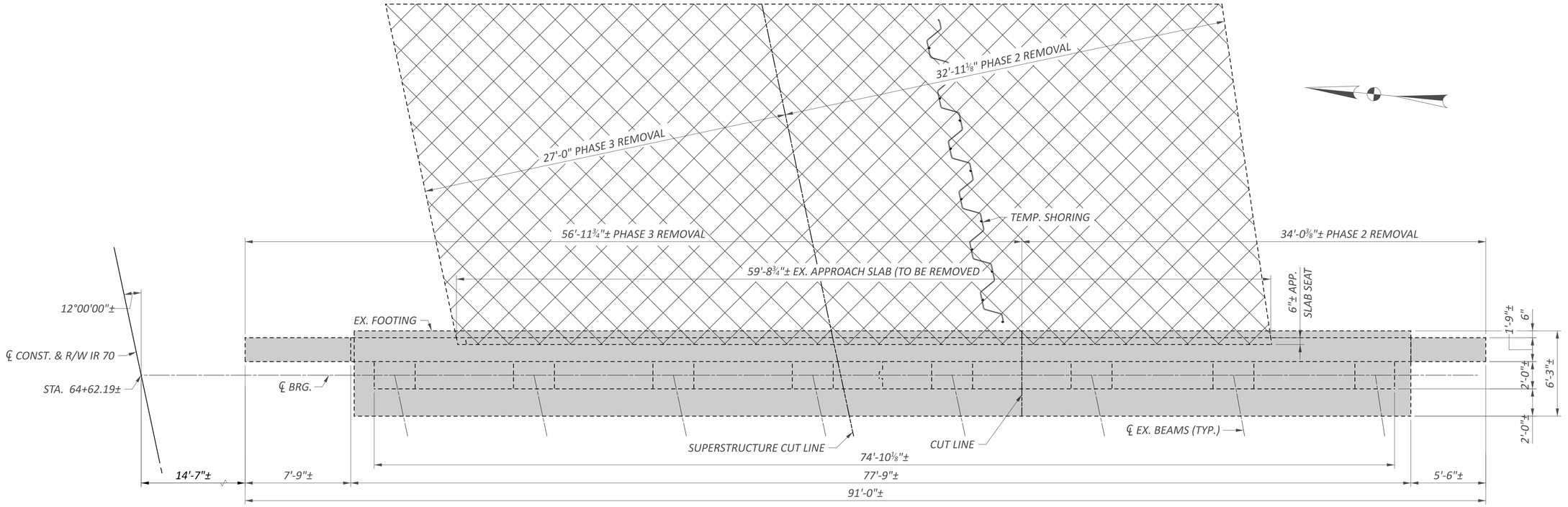
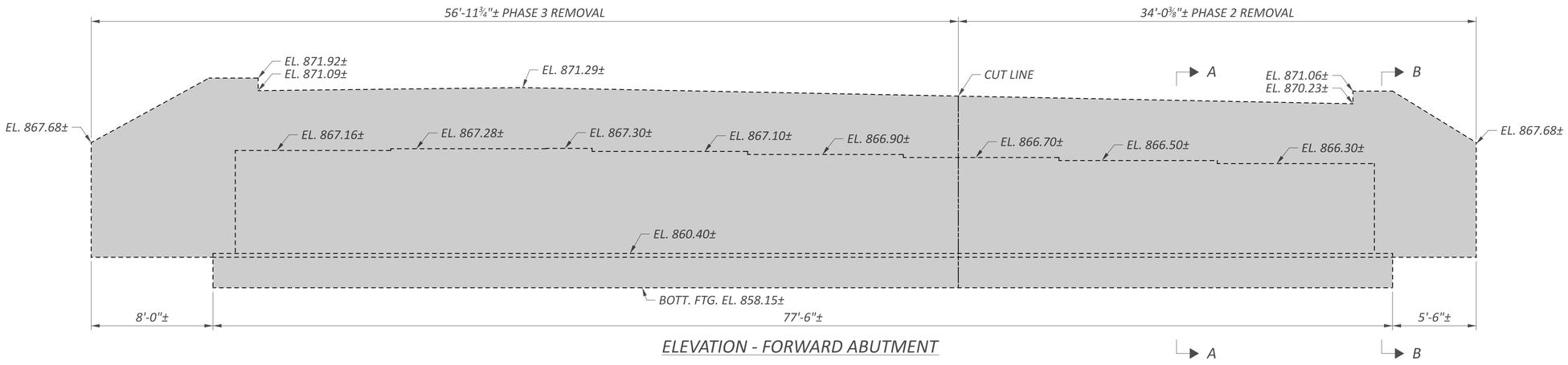


PLAN - FORWARD ABUTMENT



ELEVATION - FORWARD ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 11/34.

REMOVAL DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	10
TOTAL	34
SHEET	P.1364
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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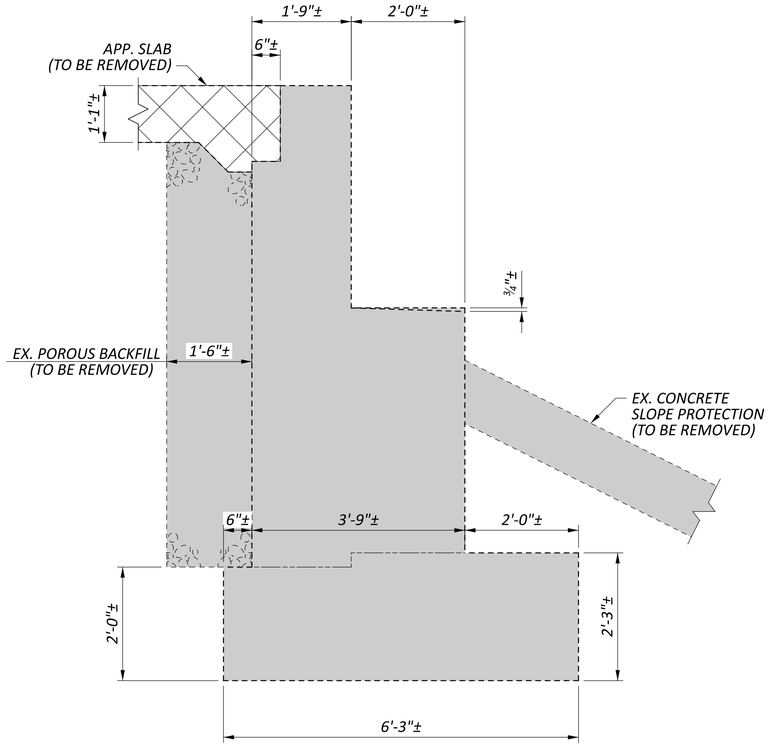
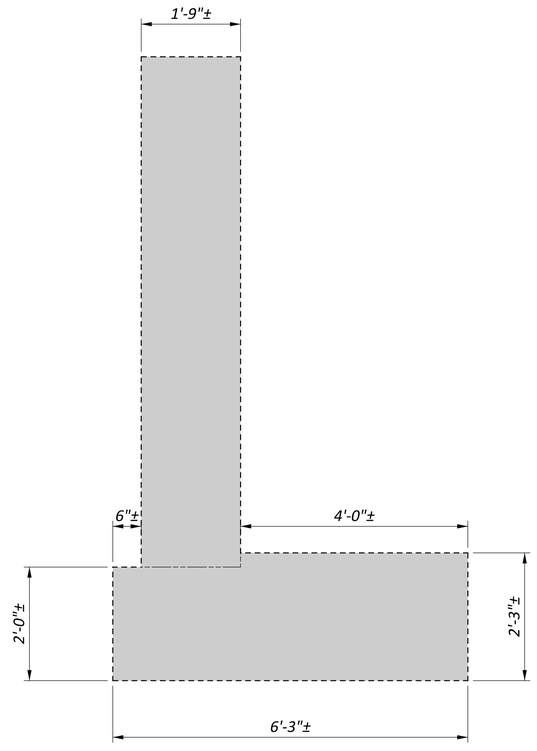


SECTION A-A



SECTION B-B

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

REMOVAL DETAILS - 3

BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
SJF	ABD

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET	TOTAL
11	34

SHEET	TOTAL
P.1365	P.1556

FAI/LIC-70.0.00/0.00

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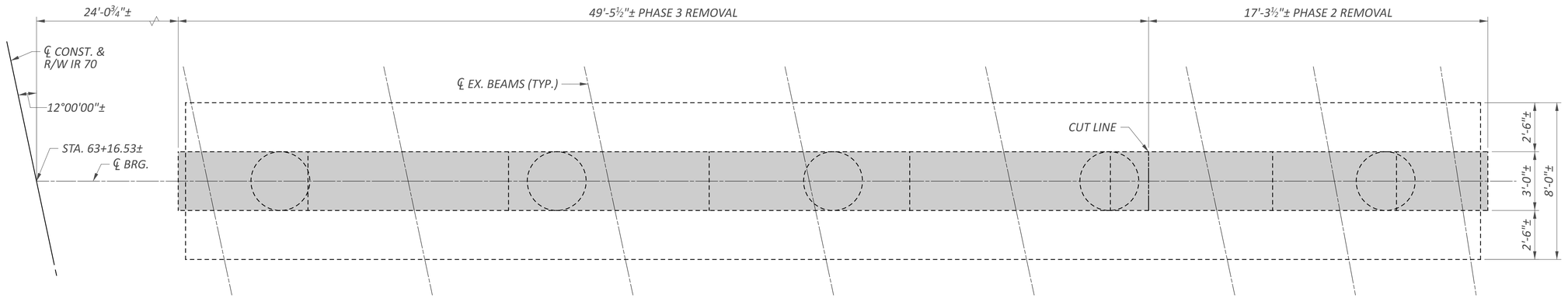
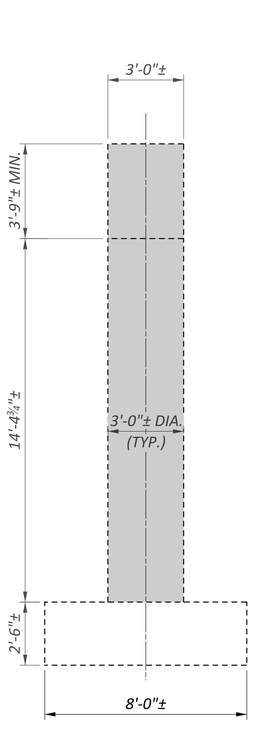
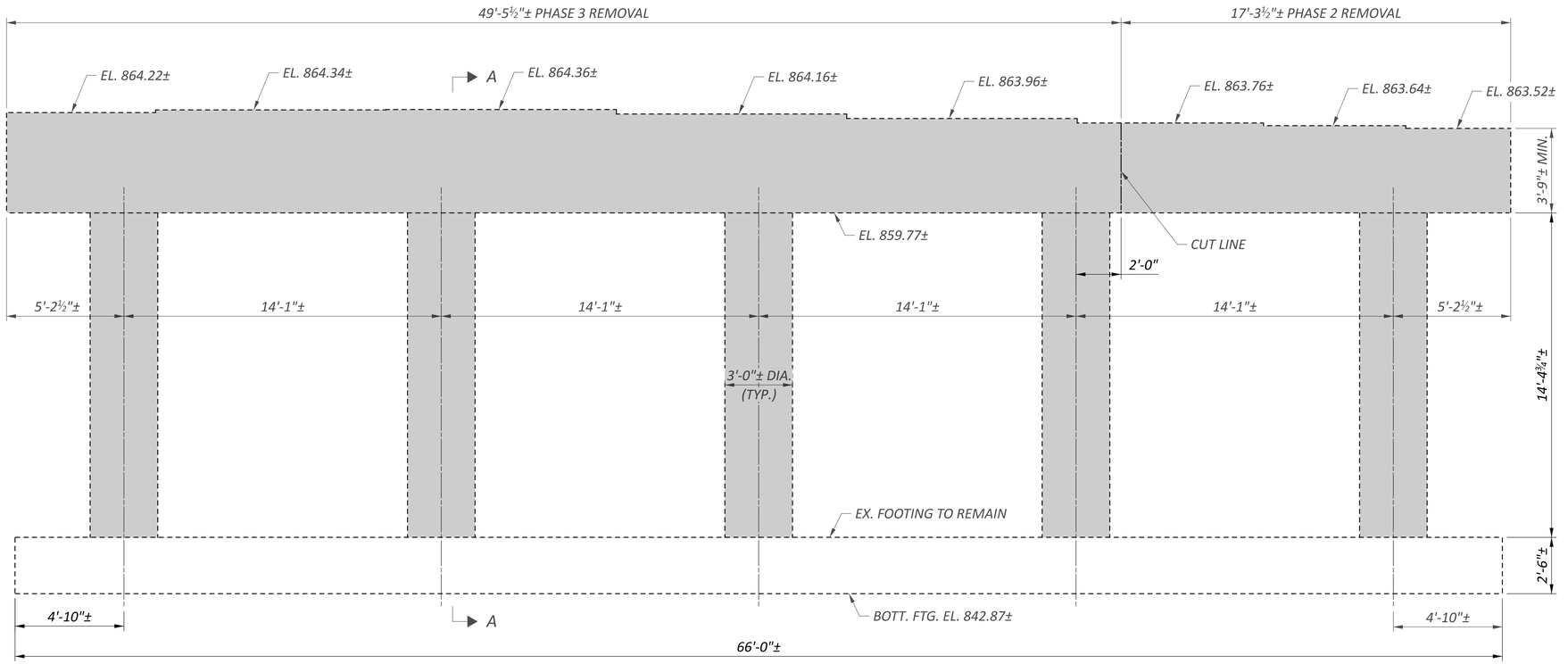


PLAN - PIER 1



SECTION A-A



ELEVATION - PIER 1

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

REMOVAL DETAILS - 4
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	12
TOTAL	34
SHEET	P.1366
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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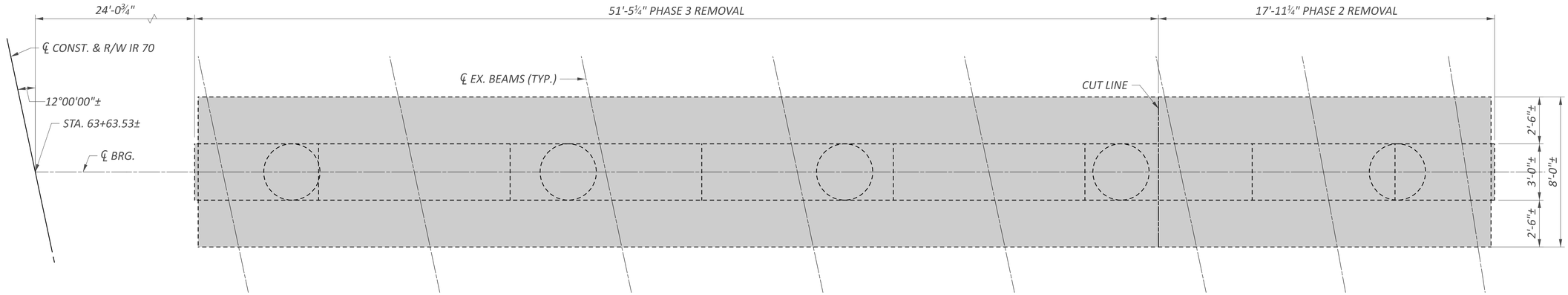
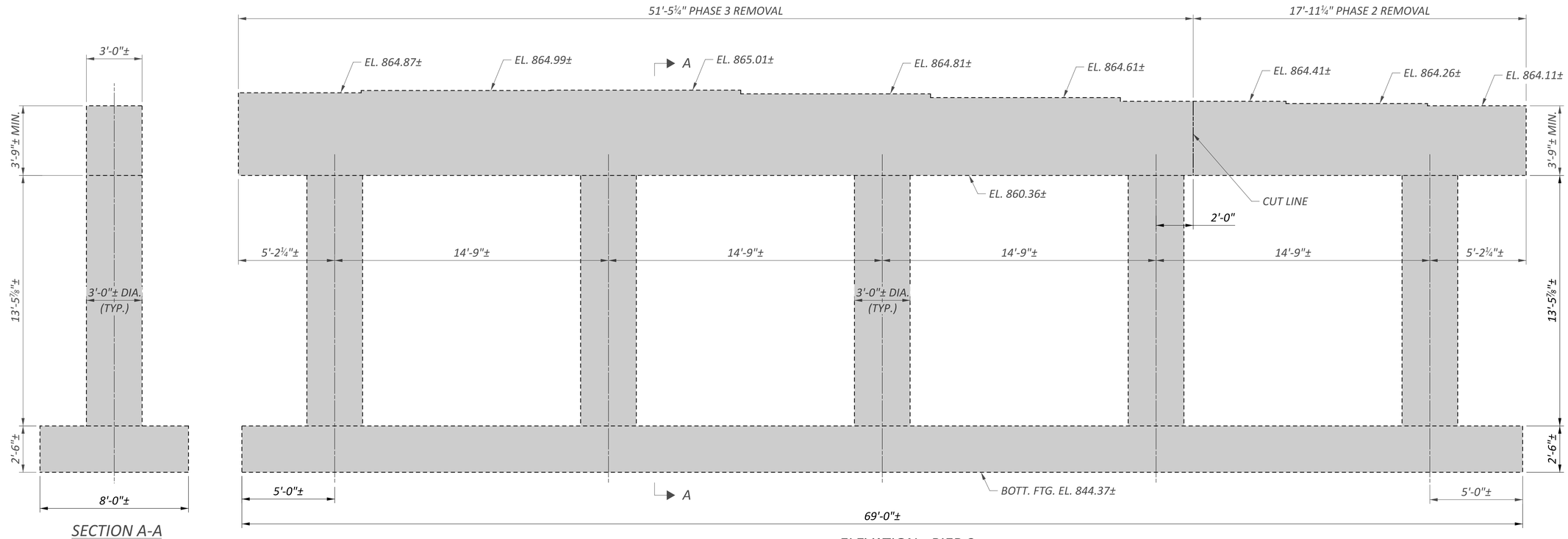


PLAN - PIER 2



SECTION A-A

ELEVATION - PIER 2

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

REMOVAL DETAILS - 5
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	13
TOTAL	34
SHEET	P.1367
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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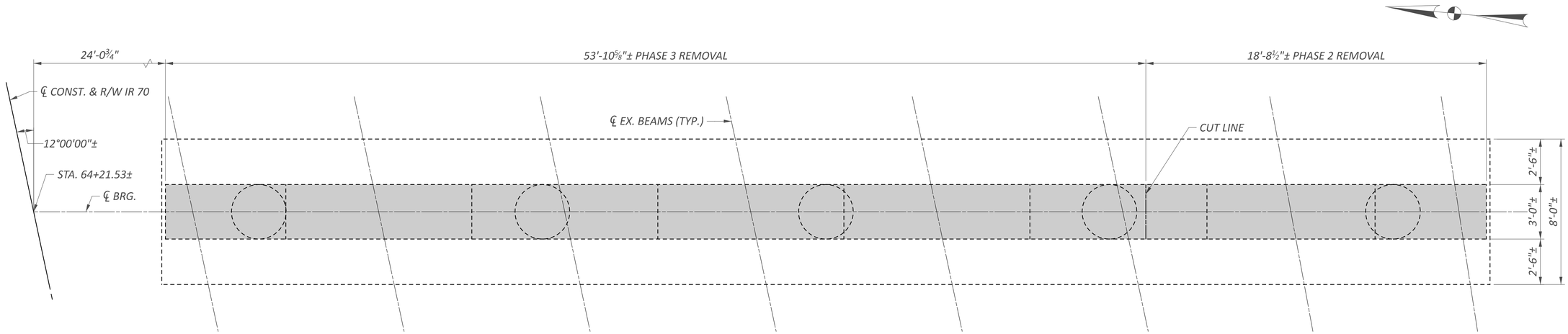
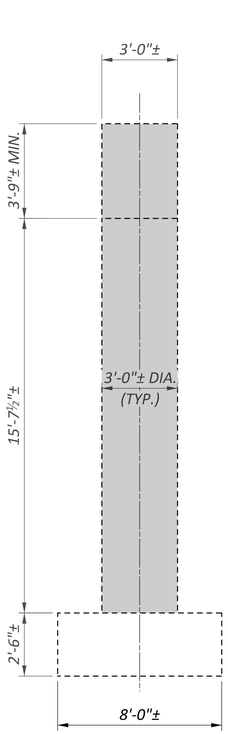
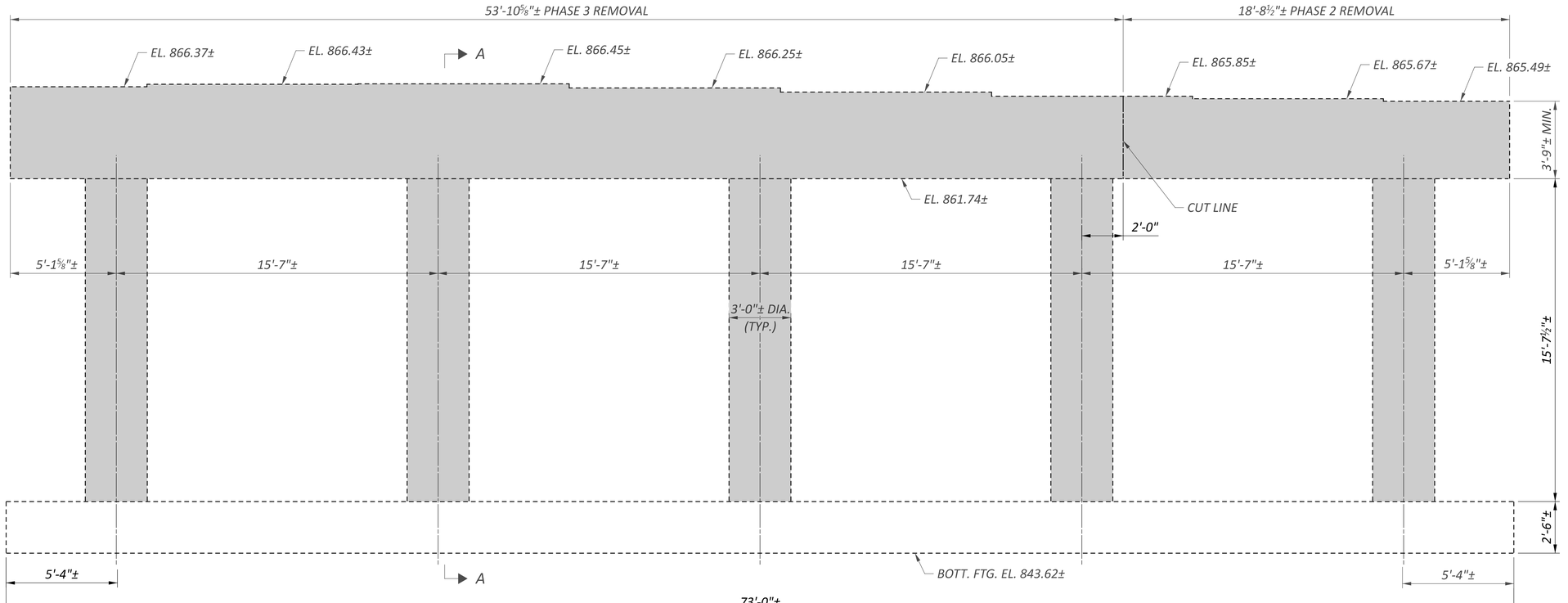


PLAN - PIER 3



SECTION A-A



ELEVATION - PIER 3

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

REMOVAL DETAILS - 6
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	14
TOTAL	34
SHEET	P.1368
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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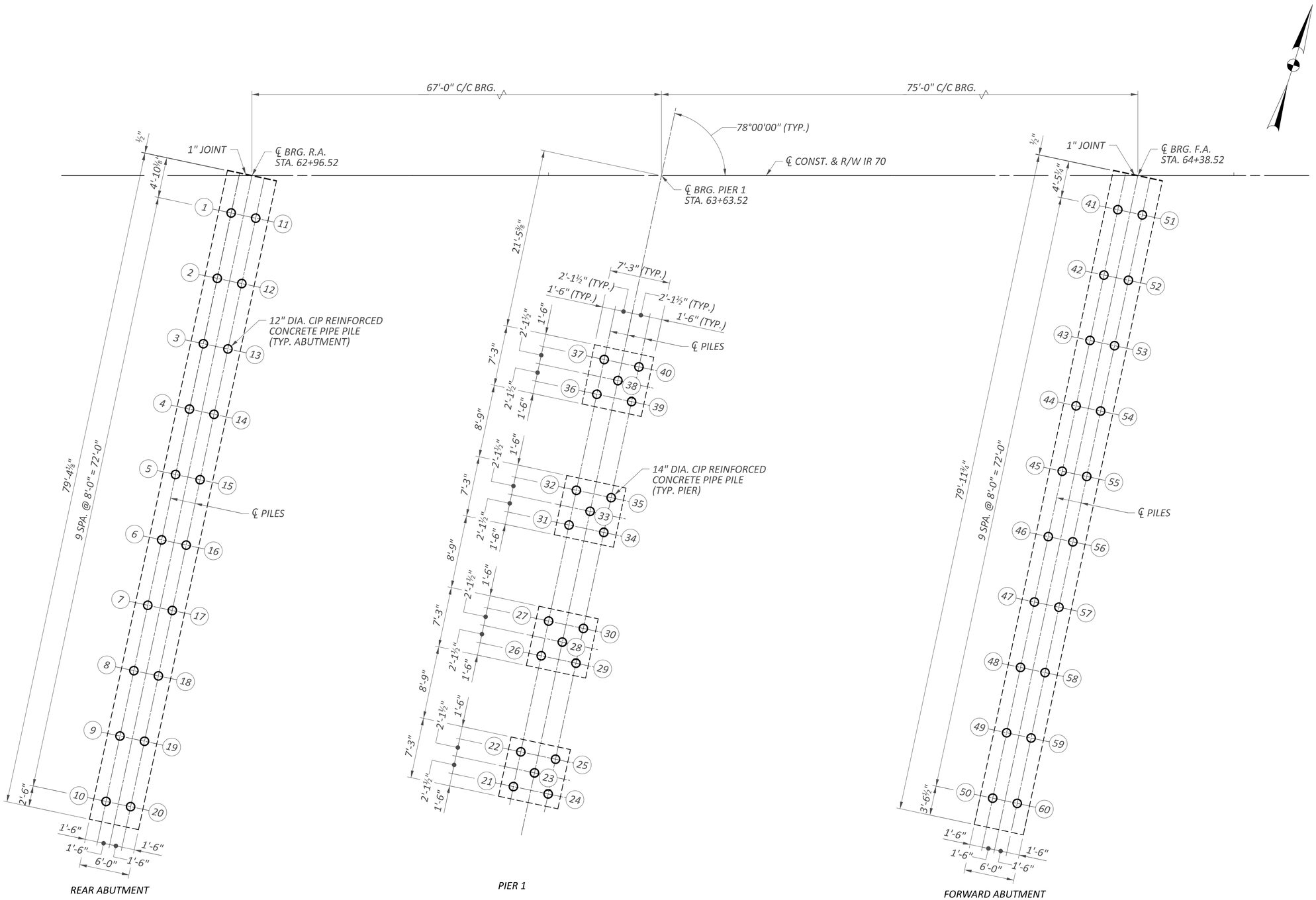

REAR ABUTMENT

PIER 1

FORWARD ABUTMENT

FOUNDATION PLAN

FAI/LIC-70.0.00/0.00

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FOUNDATION PLAN
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY
STRUCTUREPOINT INC.

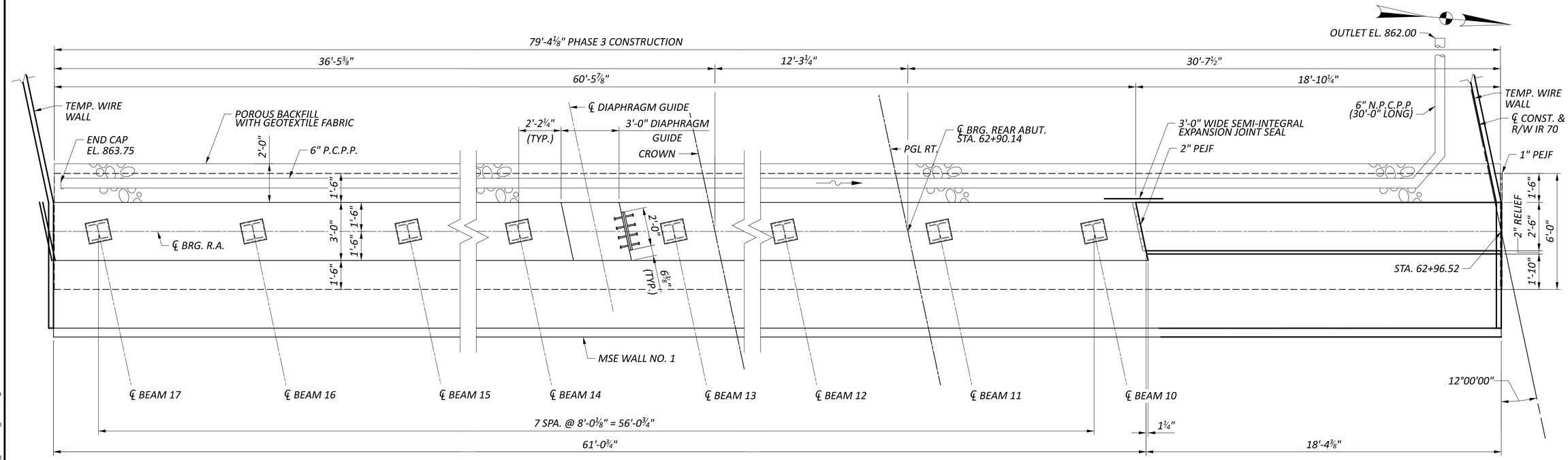
DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

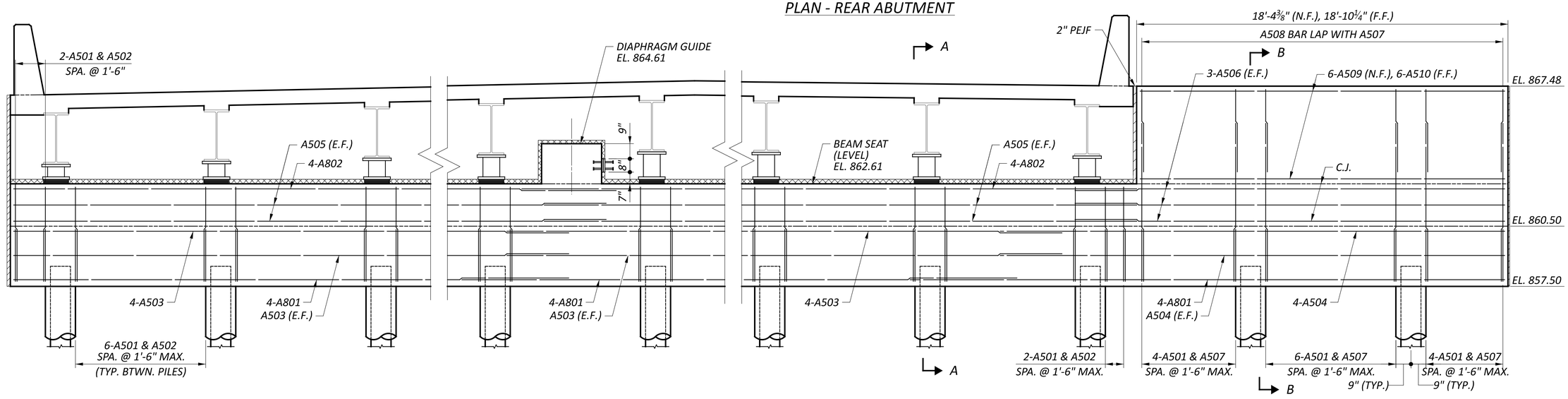
PROJECT ID: 96808

SUBSET	TOTAL
15	34

SHEET	TOTAL
P.1369	P.1556



PLAN - REAR ABUTMENT



ELEVATION - REAR ABUTMENT

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. *FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 15/34.*
2. *FOR SECTION A-A & B-B, SEE SHEET 18/34.*
3. *FOR ADDITIONAL ABUTMENT DIAPHRAGM GUIDE DETAILS, SEE STD. DWG SICD-2-14.*

REAR ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
16	34

SHEET	TOTAL
P.1370	P.1556

FAI/LIC-70.0.00/0.00

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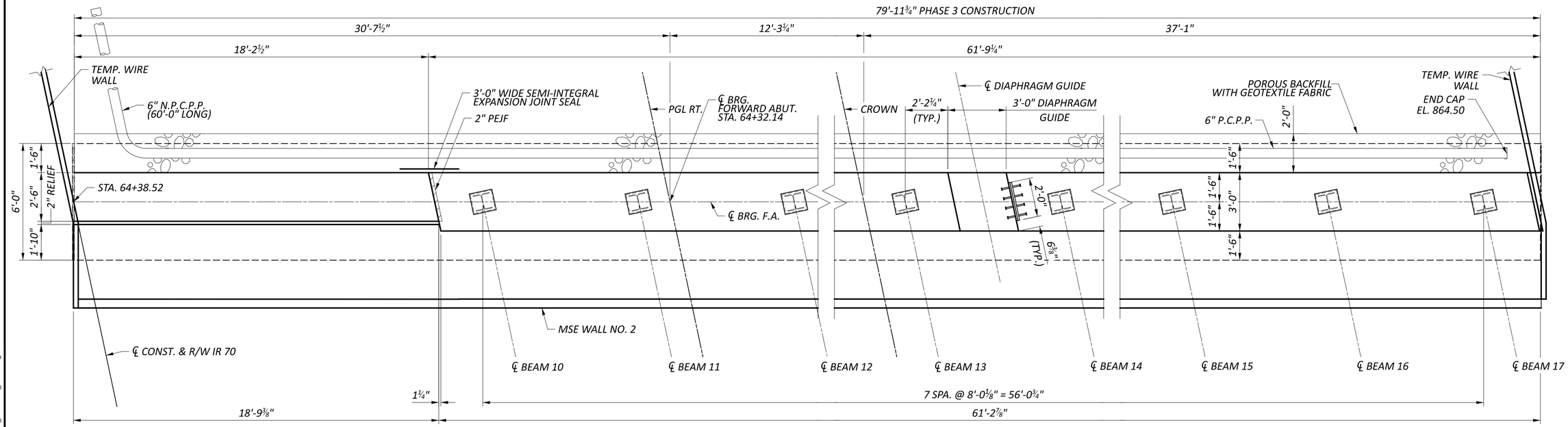
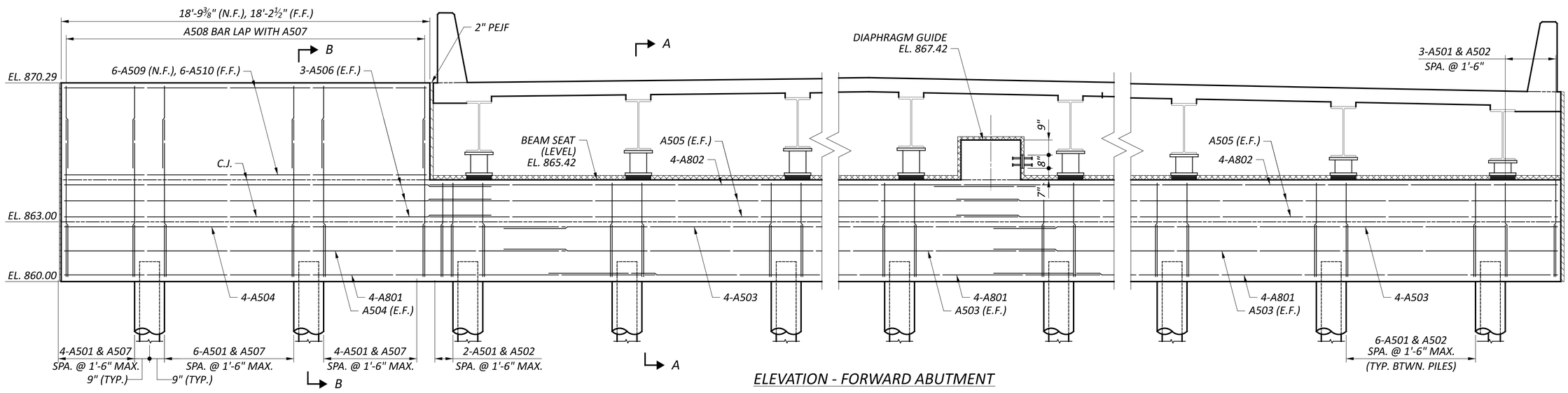


PLAN - FORWARD ABUTMENT



ELEVATION - FORWARD ABUTMENT

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 15/34.
2. FOR SECTION A-A & B-B, SEE SHEET 18/34.
3. FOR ADDITIONAL ABUTMENT DIAPHRAGM GUIDE DETAILS, SEE STD. DWG SICD-2-14.

FORWARD ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 17 | TOTAL 34
SHEET P.1371 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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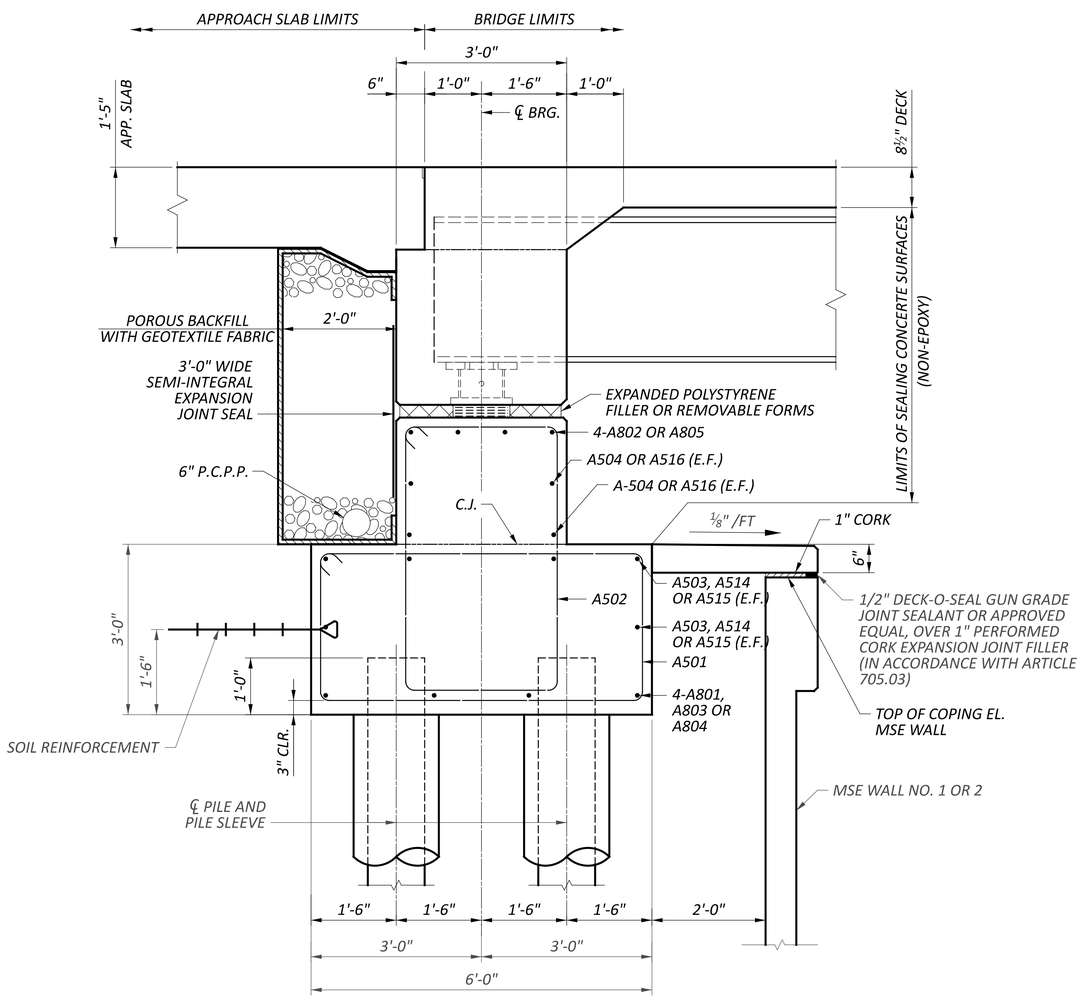

SECTION A-A

SECTION B-B

ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	18
TOTAL	34
SHEET	P.1372
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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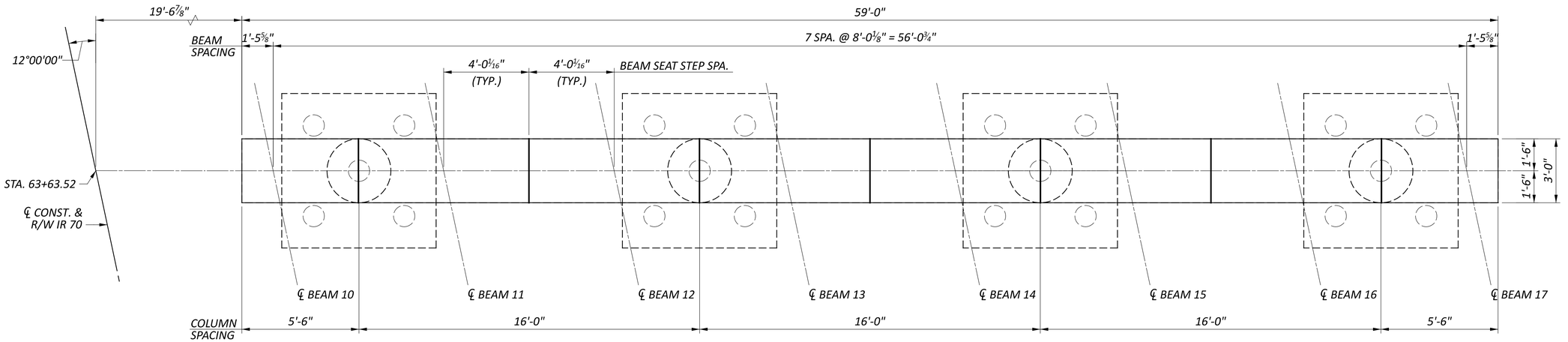
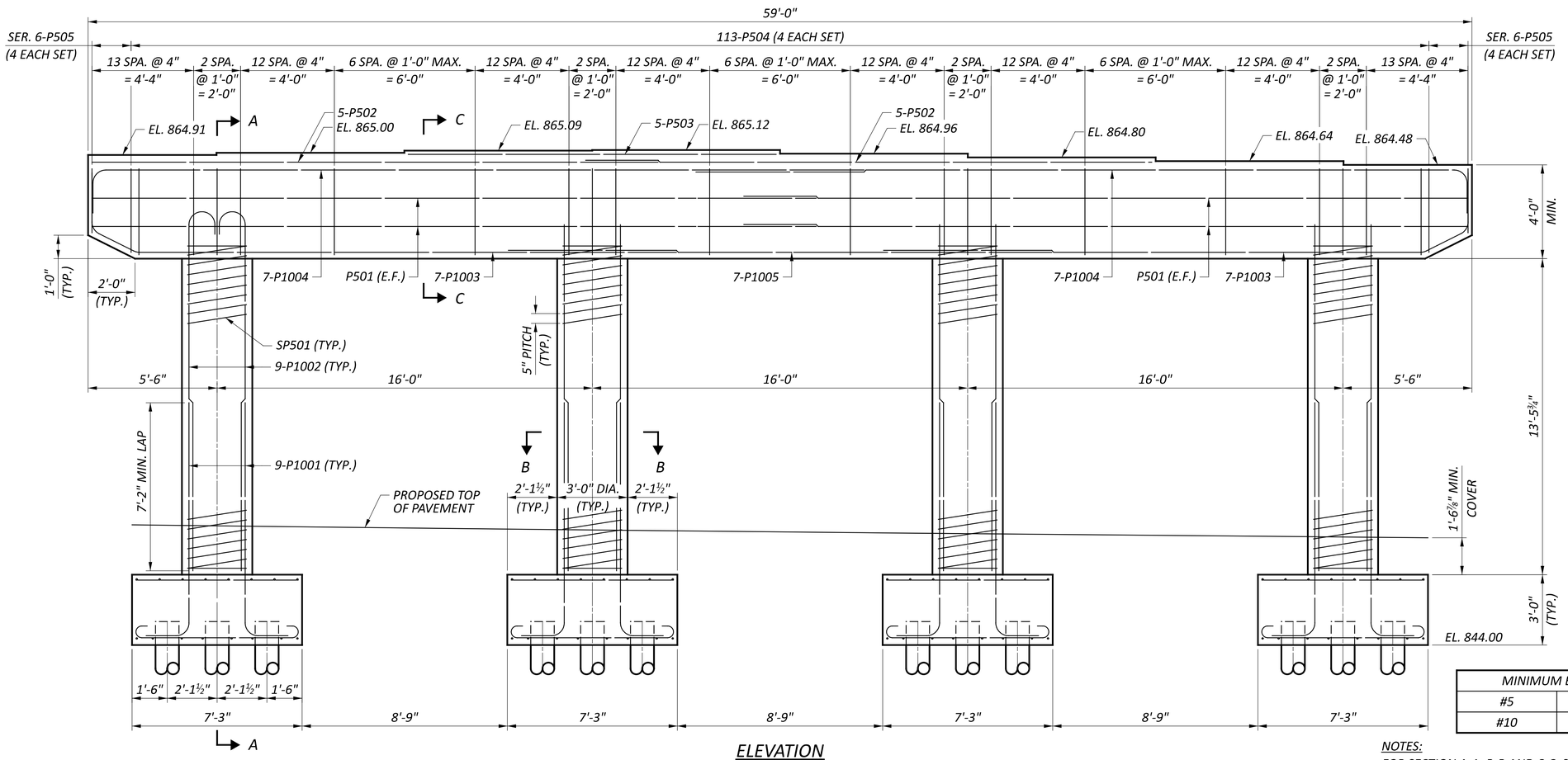


PLAN



ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#10	7'-2"

NOTES:
FOR SECTION A-A, B-B AND C-C, SEE SHEET 20/34.

PIER DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	19
TOTAL	34
SHEET	P.1373
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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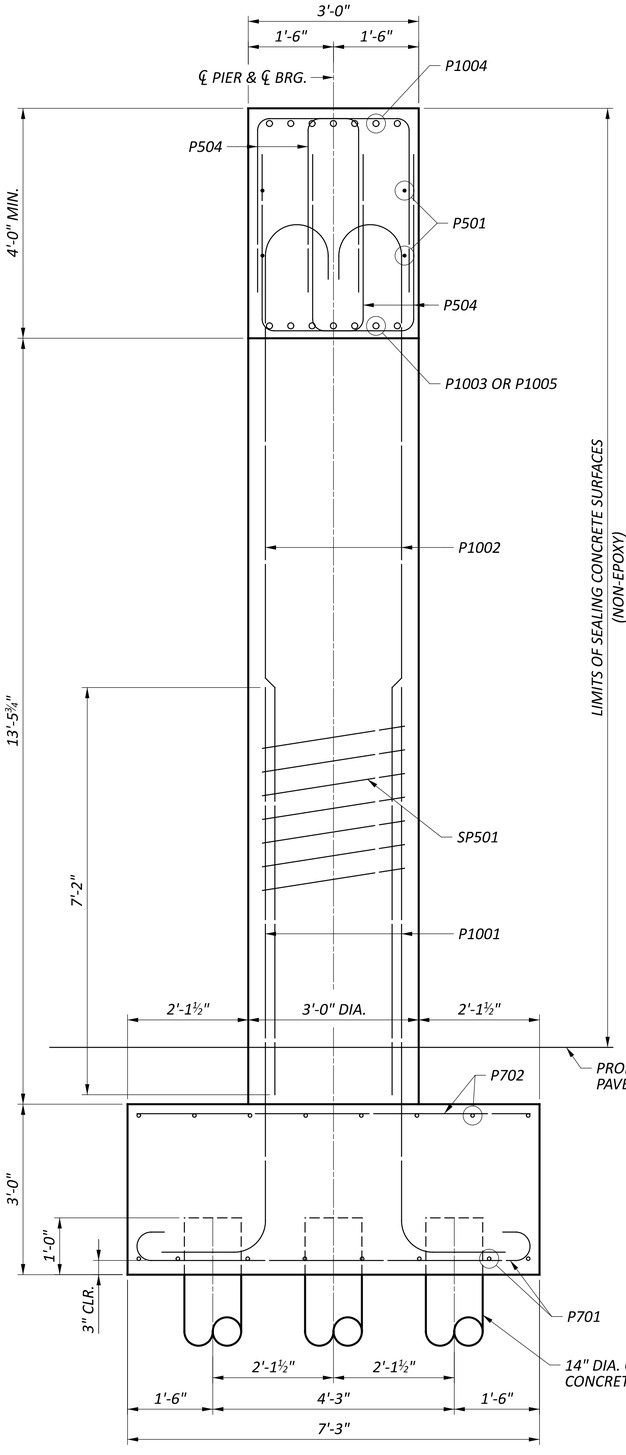
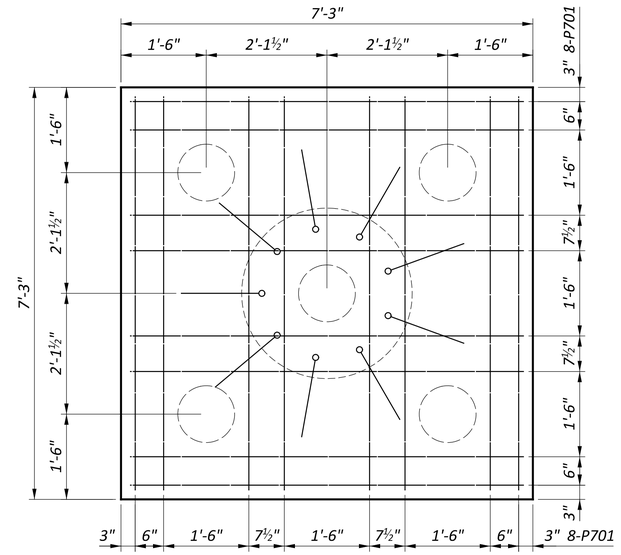
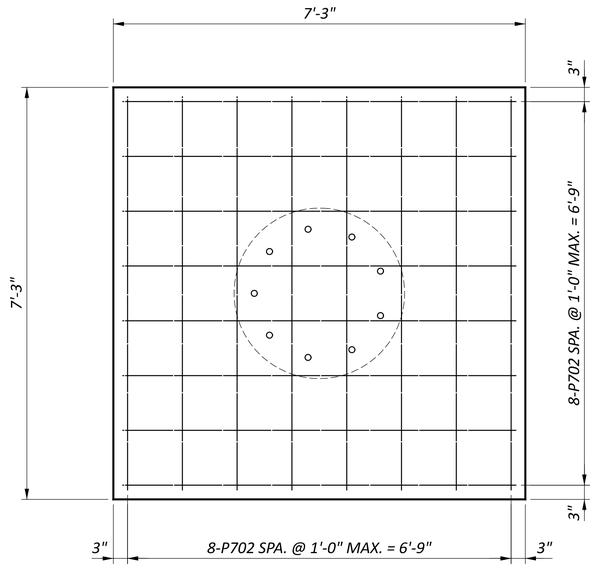


SECTION A-A



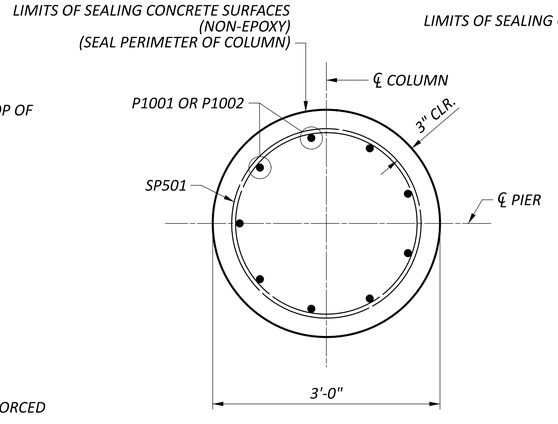
FOOTING PLAN (BOTTOM MAT)

(TYP. ALL FOOTINGS)

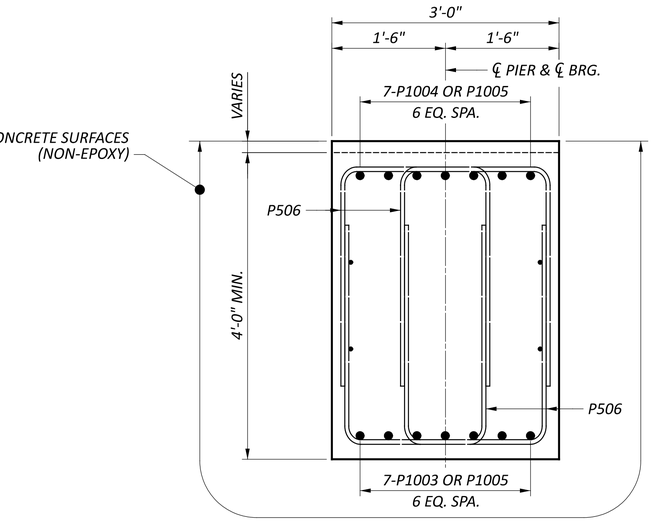


FOOTING PLAN (TOP MAT)

(TYP. ALL FOOTINGS)



SECTION B-B



SECTION C-C

PIER DETAILS - 2

BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	20
TOTAL	34
SHEET	P.1374
TOTAL	P.1556

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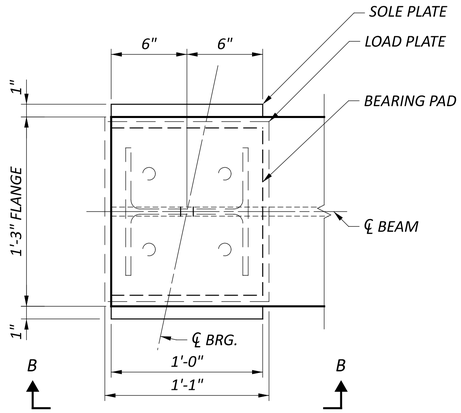
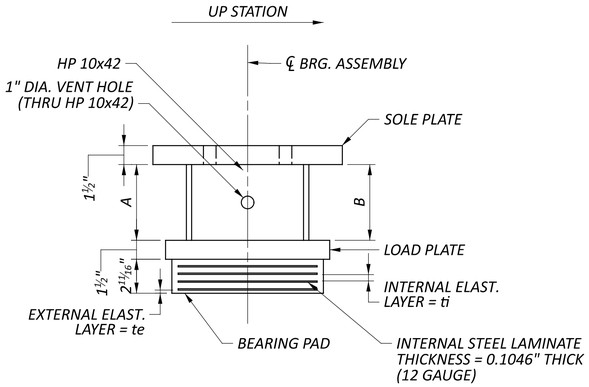
BEAM NO.	BEARING SCHEDULE									STEEL LOAD PLATE L x W x T	STEEL SLOE PLATE L x W x T
	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS		
10-17	REAR ABUT.	EXPANSION	8	1'-0"x1'-3"x2 11/16"	4	0.5"	4	0.25"	1	1'-1"x1'-4"x1 1/2"	1'-0"x1'-5"x1 1/2"
10-17	FWD. ABUT.	EXPANSION	8	1'-0"x1'-3"x2 11/16"	4	0.5"	4	0.25"	1	1'-1"x1'-4"x1 1/2"	1'-0"x1'-5"x1 1/2"

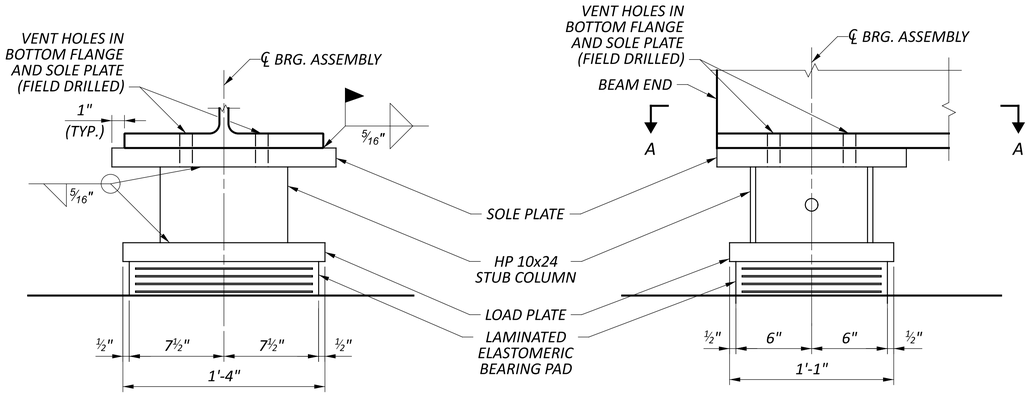


SECTION A-A



SECTION B-B

FAI-00070-01190 R HP HEIGHT (INCH)				
	REAR ABUT		FWD. ABUT	
	A	B	A	B
BEAM 10	11"	11 3/16"	11"	11 3/16"
BEAM 11	1' - 0 1/16"	1' - 0 5/16"	1' - 0 1/16"	1' - 0 5/16"
BEAM 12	1' - 1 3/16"	1' - 1 3/8"	1' - 1 3/16"	1' - 1 3/8"
BEAM 13	1' - 1 1/2"	1' - 1 11/16"	1' - 1 1/2"	1' - 1 11/16"
BEAM 14	11 5/8"	11 13/16"	11 5/8"	11 13/16"
BEAM 15	9 11/16"	9 7/8"	9 11/16"	9 7/8"
BEAM 16	7 13/16"	8"	7 13/16"	8"
BEAM 17	5 7/8"	6 1/8"	5 7/8"	6 1/8"



EXPANSION BEARINGS AT ABUTMENTS

UNFACTORED BEARING LOADS (KIP)		
	R.A.	F.A.
DEAD LOAD	54.4	63.1
LIVE LOAD	61.7	63.7
TOTAL LOAD	116.1	126.8

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES, AND ROLLED SHAPES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL SOLE PLATES, HP SECTIONS AND LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, SHALL INCLUDE ALL LABOR, MATERIALS, FABRICATION, LOAD PLATE, SOLE PLATE, HP SHAPE, PAINTING, FIELD DRILLING VENT HOLES AND EQUIPMENT NECESSARY TO COMPLETE THE BEARINGS IN PLACE.
4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 21 | TOTAL 34
SHEET P.1375 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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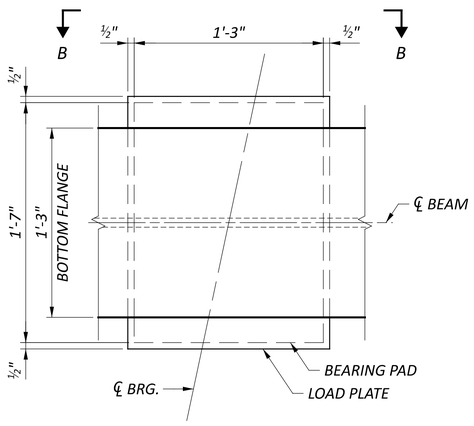
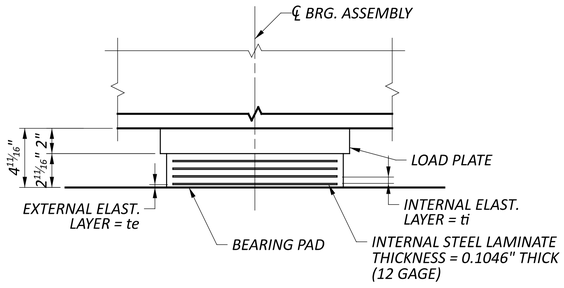
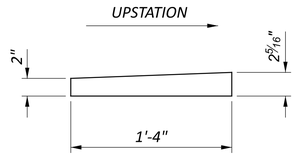
BEAM NO.	BEARING SCHEDULE									STEEL LOAD PLATE L x W x T
	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	
10-17	PIER 1	EXPANSION	9	1'-3"x1'-7"x2 11/16"	4	0.5"	4	0.25"	1	1'-4"x1'-8"x2"



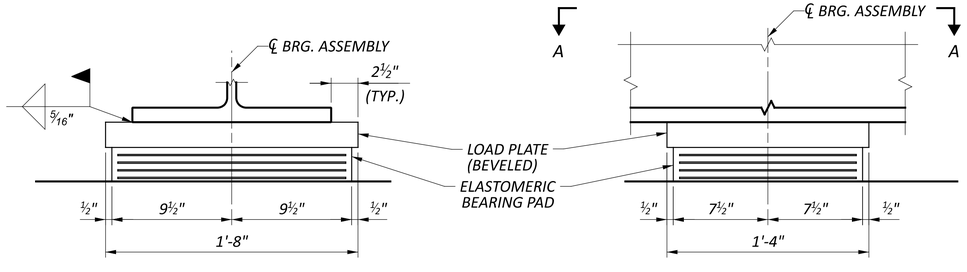
SECTION A-A



SECTION B-B



PIER NO. 1 BEVELED LOAD PLATE



EXPANSION BEARINGS AT PIER 1

UNFACTORED BEARING LOADS (KIP)	
	PIER NO. 1
DEAD LOAD	158.6
LIVE LOAD	115.4
TOTAL LOAD	274.0

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 22 | TOTAL 34
SHEET P.1376 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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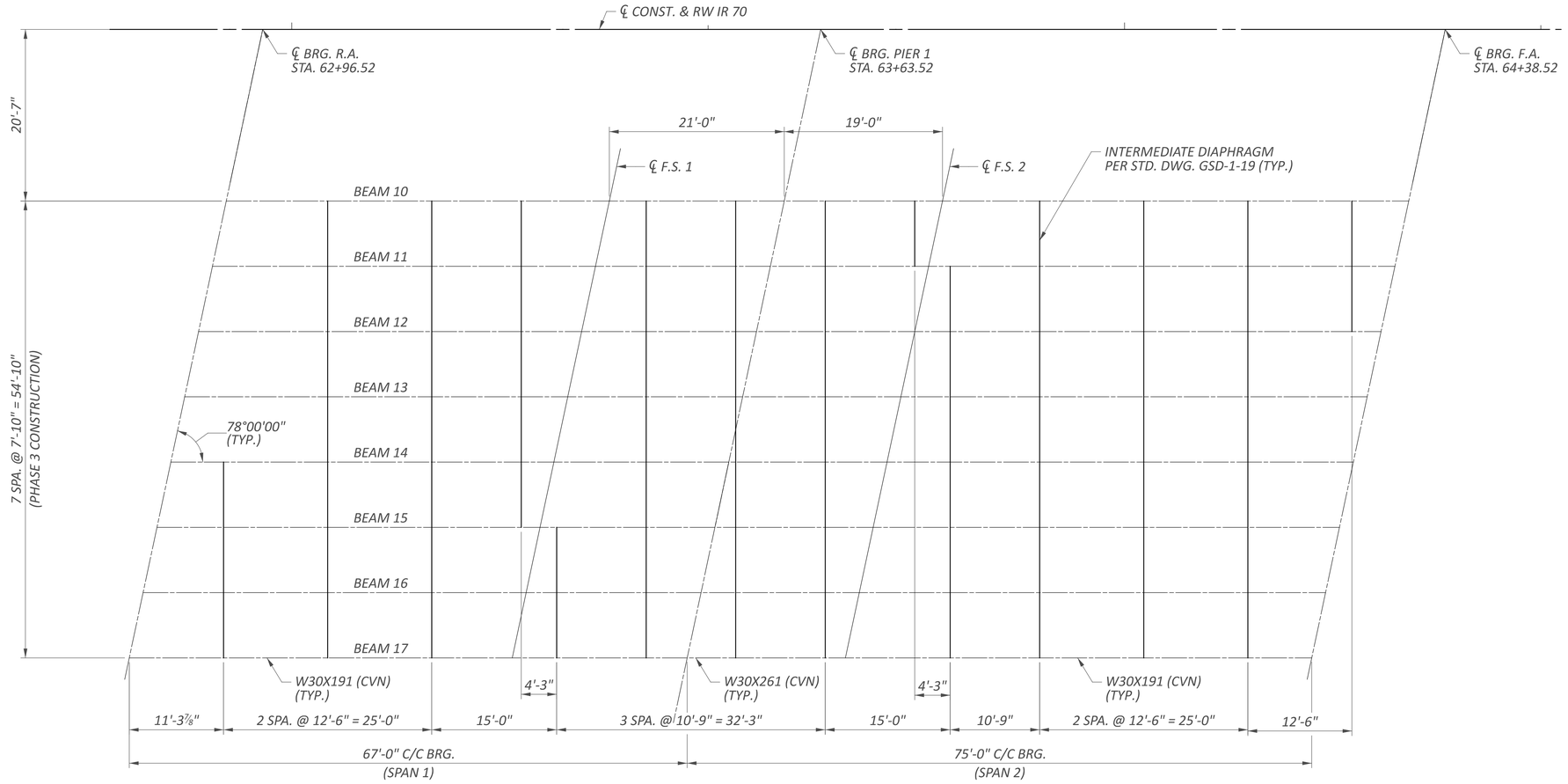

FRAMING PLAN - RIGHT BRIDGE

NOTES:

1. FOR BEAM DETAILS, SEE SHEET 24 & 25/34.
2. ALL STRUCTURAL STEEL TO BE ASTM A709 GRADE 50, WITH THREE-COAT PAINT COATING SYSTEM.

FRAMING PLAN
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER PEG
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 23 | TOTAL 34
SHEET P.1377 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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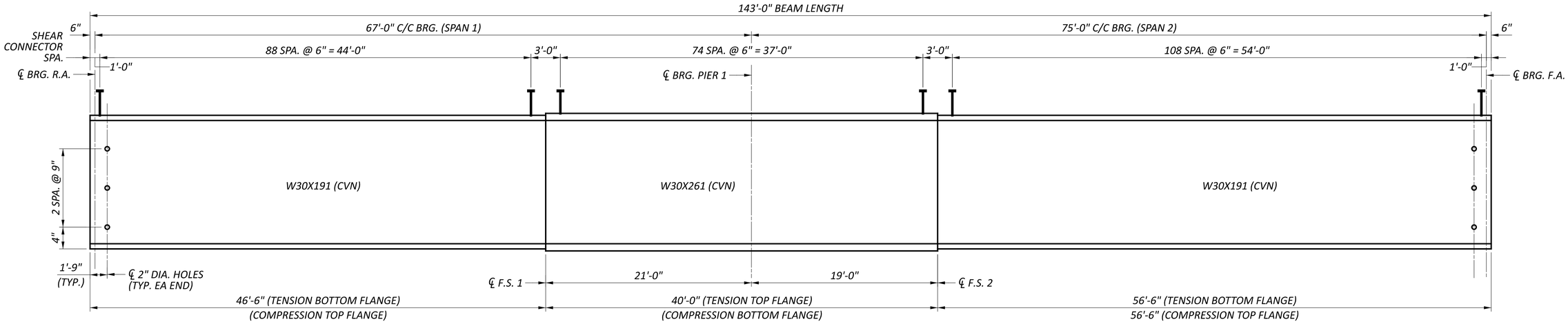
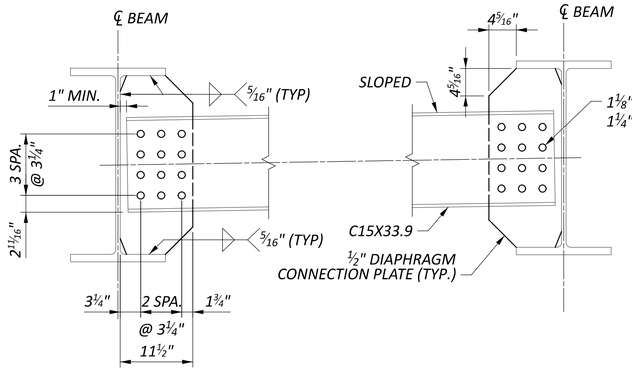
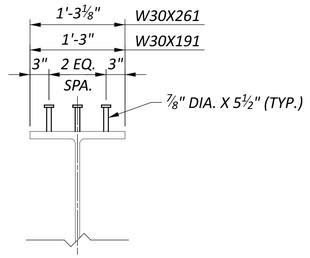


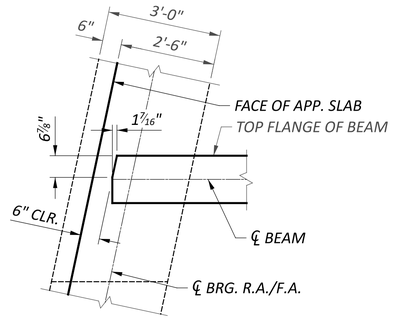
BEAMS 10-17 ELEVATION



INTERMEDIATE DIAPHRAGM DETAIL



TYPICAL SHEAR CONNECTOR DETAIL



BEAM CLIP DETAIL

NOTES:

1. *FOR ADDITIONAL INTERMEDIATE DIAPHRAGM DETAILS, SEE STANDARD DRAWING GSD-1-19*
2. *CVN: WHERE A SHAPE OR PLATE IS DESIGNATED (CVN), FURNISHED MATERIAL THAT MEETS THE MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN C&MS 711.01.*
3. *HIGH STRENGTH BOLTS SHALL BE 1" DIA. TYPE 1 GALVANIZED A325 BOLTS UNLESS OTHERWISE NOTED.*
4. *WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS OF THE FASCIA STRINGER FLANGES DESIGNATED "COMPRESSION". DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM EDGE OF FLANGE, BE NO MORE THAN 2" LONG, AND BE AT LEAST ¼" FOR THICKNESS UP TO ¾" OR 5/16" FOR GREATER THAN ¾" THICK.*

BEAM DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT
DESIGNER SJF | CHECKER PEG
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 24 | TOTAL 34
SHEET P.1378 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:59:30 PM USER: brieder
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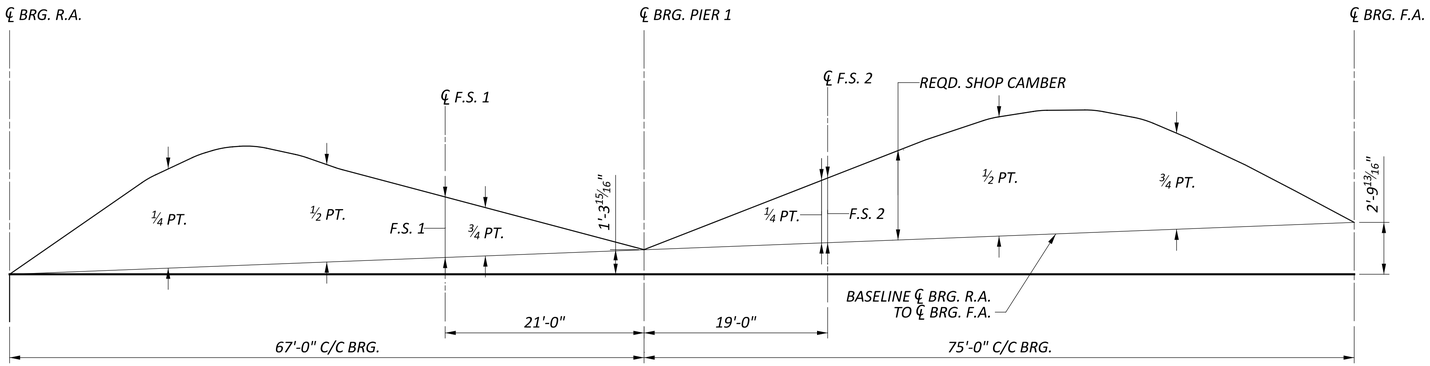
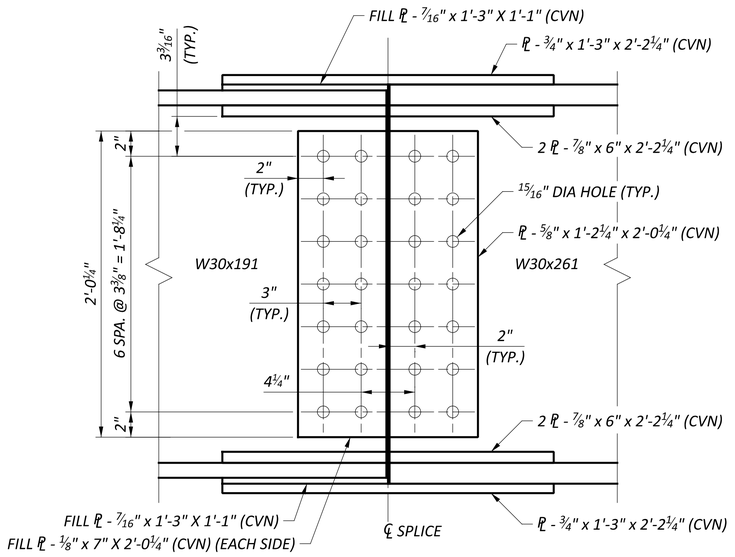
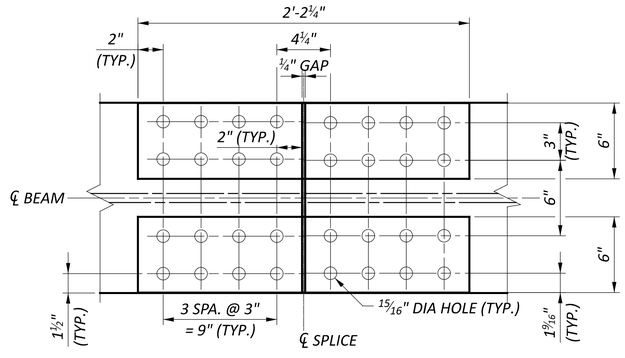
STRUCTURAL STEEL DEFLECTION & CAMBER TABLE (BEAMS 10 - 17)											
POINT	CL BRG. R.A.	1/4 POINT	1/2 POINT	F.S. 1	3/4 POINT	CL PIER 1	1/4 POINT	F.S. 2	1/2 POINT	3/4 POINT	CL BRG. F.A.
DEFLECTION DUE TO WEIGHT OF STEEL	0"	1/8"	1/8"	1/16"	1/16"	0"	1/8"	1/8"	1/4"	3/16"	0"
DEFLECTION DUE TO REMAINING DEADLOAD	0"	7/16"	7/16"	1/4"	1/8"	0"	1/2"	9/16"	1 1/16"	7/8"	0"
ADJUSTMENT REQUIRED FOR VERTICAL CURVE	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
REQUIRED SHOP CAMBER	0"	9/16"	9/16"	5/16"	3/16"	0"	5/8"	11/16"	1 5/16"	1 1/16"	0"



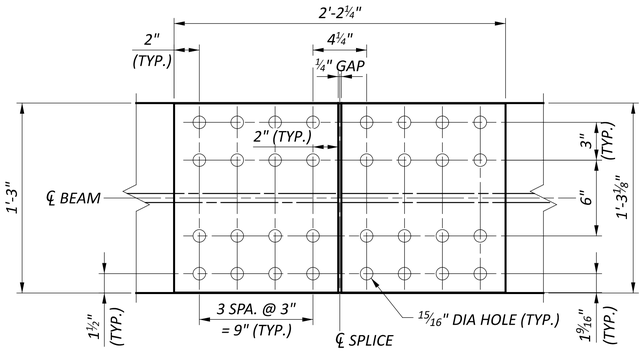
CAMBER AND BLOCKING DIAGRAM - BEAMS 10-17



WEB SPLICE



FLANGE INNER PLATE



FLANGE OUTER PLATE

TYPICAL BEAM FIELD SPLICE DETAILS

NOTES:

1. ALL FIELD SPLICE BOLTS SHALL BE HIGH STRENGTH ⅞" DIA. TYPE 1 GALVANIZED A325 BOLTS.

BEAM DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	PEG
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	25
TOTAL	34
SHEET	P.1379
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:59:39 PM USER: brieder
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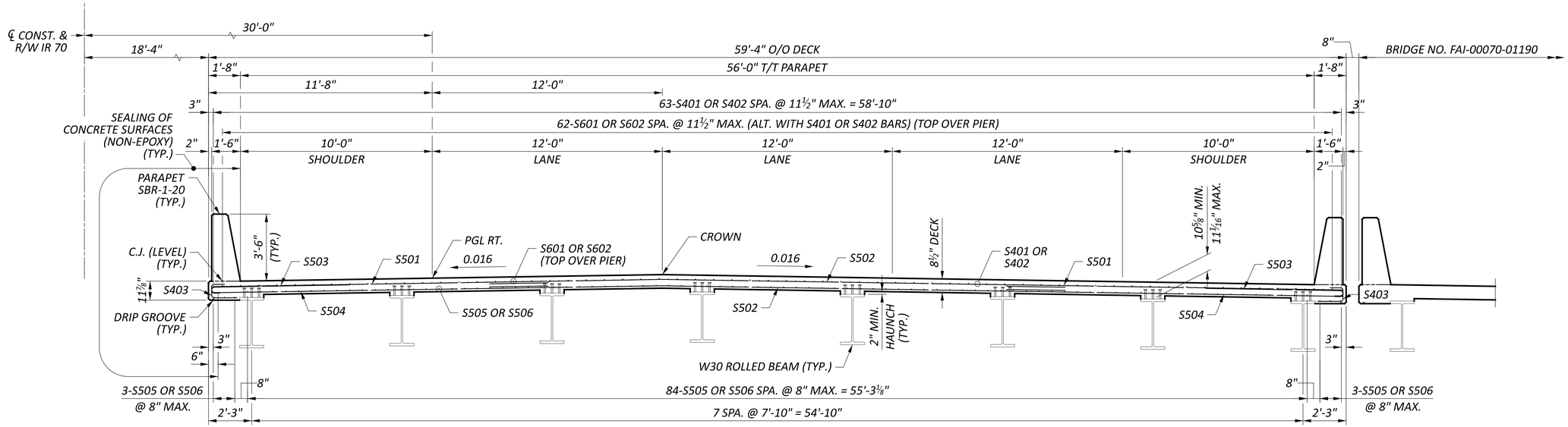

TRANSVERSE SECTION

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

NOTES:

1. THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH BEAM HAUNCH. THE ESTIMATE ASSUMES A CONSTANT HAUNCH THICKNESS OF 2⅜" AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.

   THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF THE BEAM/GIRDER, FROM THE SURFACE OF THE DECK TO THE TOP OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.

TRANSVERSE SECTION
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER	CHECKER
BWJ	SJF

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
26	34

SHEET	TOTAL
P.1380	P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:59:47 PM USER: brieder
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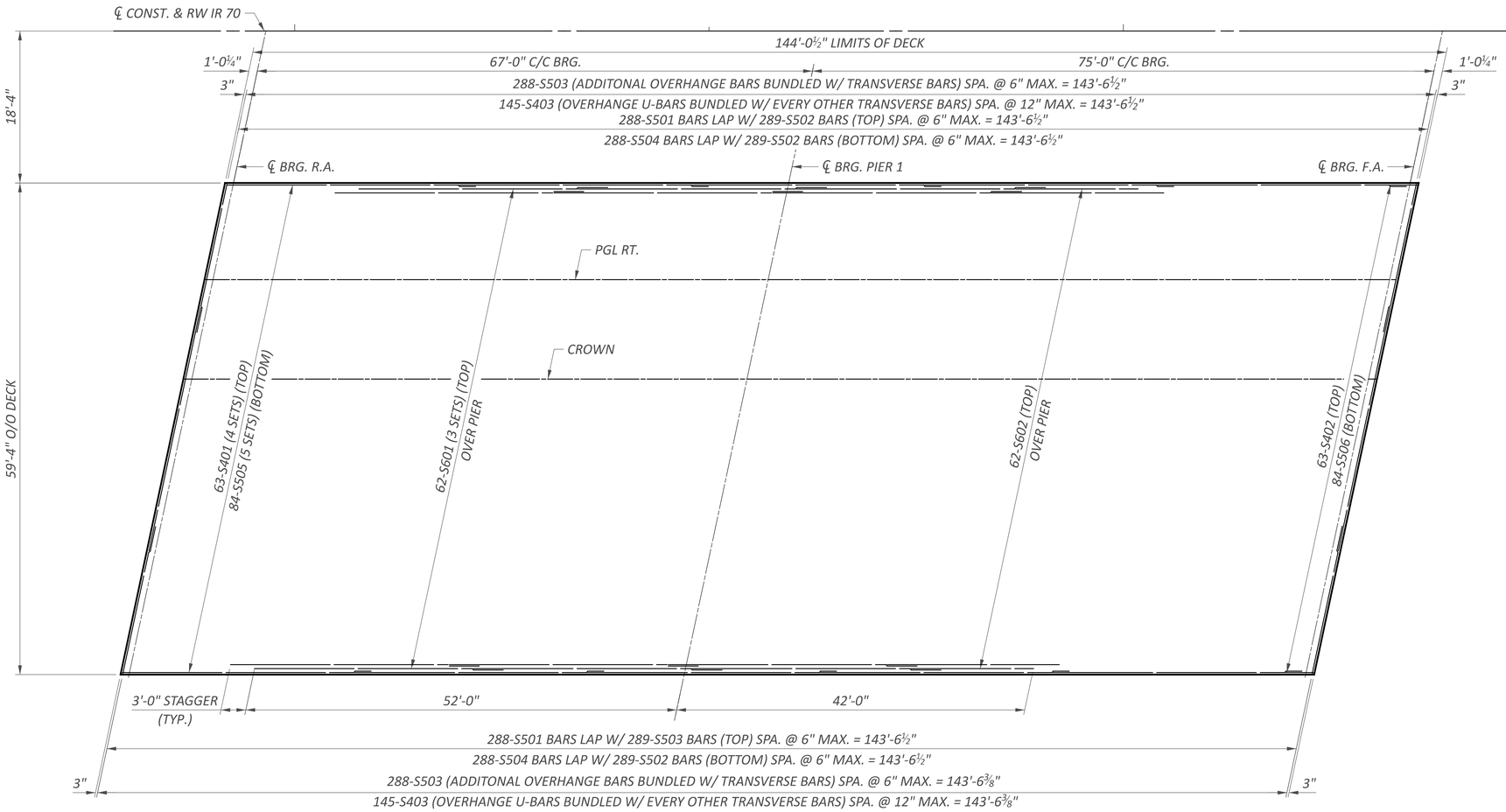

DECK PLAN

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

NOTES:

1. FOR TRANSVERSE SECTION, SEE SHEET 26/34.

DECK PLAN
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
BJW	SJF

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
27	34

SHEET	TOTAL
P.1381	P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 5:59:55 PM USER: brieder
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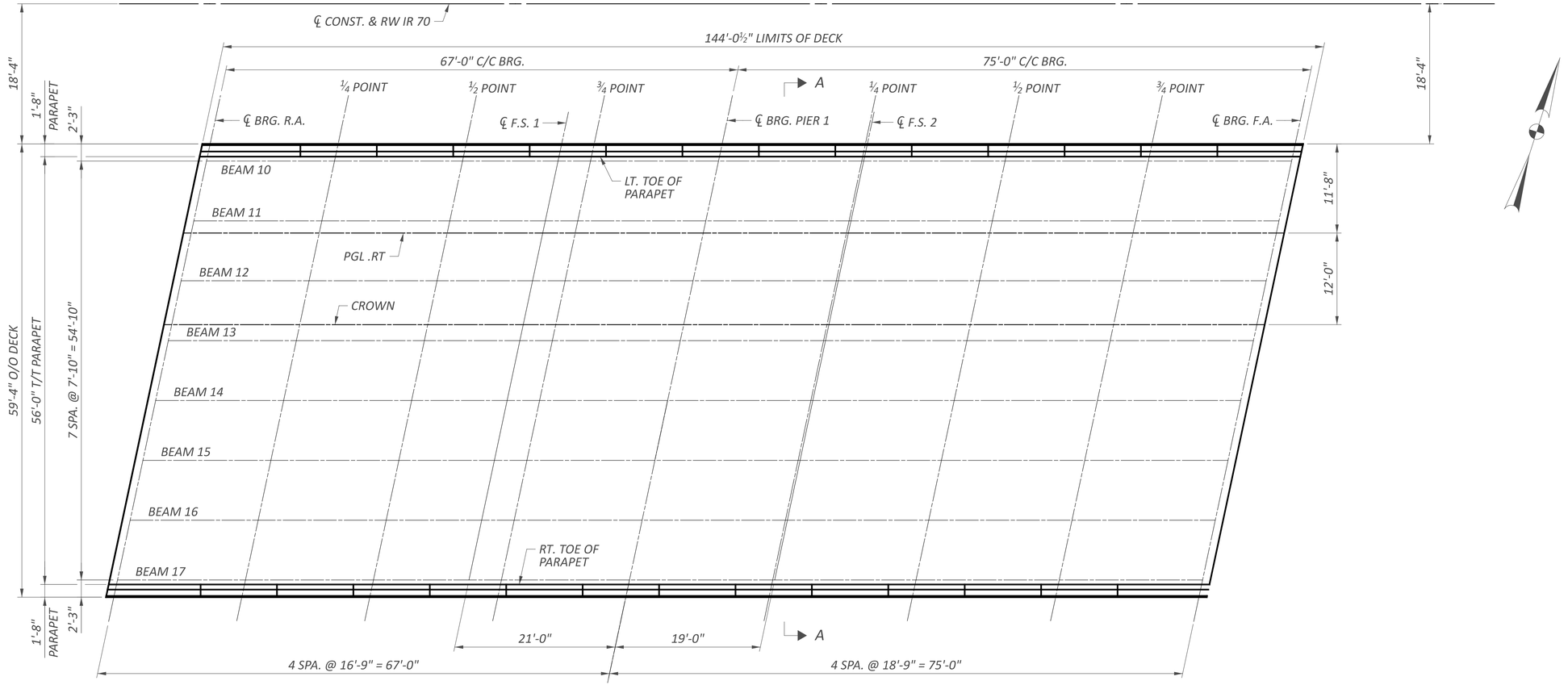
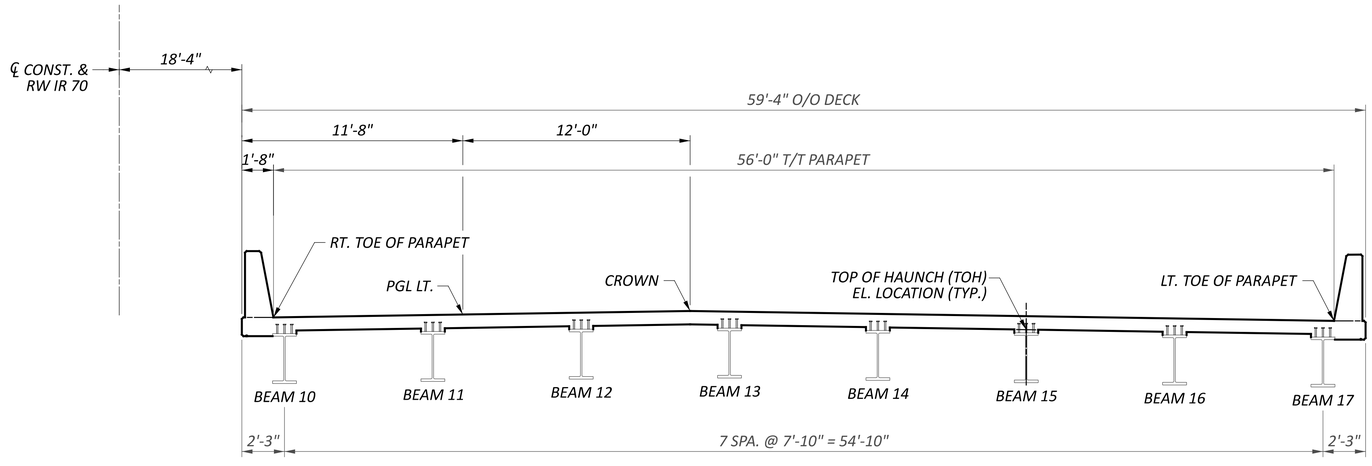


SCREED LAYOUT PLAN



NOTES:

1. *SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
2. *TOP OF HAUNCH ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
3. *FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED*

SCREED DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	DAS
CHECKER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	28
TOTAL	34
SHEET	P.1382
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:00:04 PM USER: brieder
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TOP OF HAUNCH, FINAL DECK SURFACE, AND SCREED ELEVATIONS TABLE

SCREED LINE / DESCRIPTION		℄ BRG. R. A.	¼ POINT	½ POINT	F.S. 1	¾ POINT	℄ PIER NO. 1	¼ POINT	F.S. 2	½ POINT	¾ POINT	℄ BRG. F. A.
LT. TOE OF PARAPET	STATION	62+92.26	63+09.01	63+25.76	63+38.26	63+42.51	63+59.26	63+78.01	63+78.26	63+96.76	64+15.51	64+34.26
	F.D.S. ELEV.	867.48	867.81	868.14	868.39	868.47	868.81	869.18	869.18	869.55	869.92	870.29
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	867.48	867.84	868.18	868.41	868.49	868.81	869.22	869.23	869.64	870.00	870.29
PGL RT.	STATION	62+90.14	63+06.89	63+23.64	63+36.14	63+40.39	63+57.14	63+75.89	63+76.14	63+94.64	64+13.39	64+32.14
	F.D.S. ELEV.	867.59	867.93	868.26	868.51	868.59	868.92	869.30	869.30	869.67	870.04	870.41
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	867.59	867.96	868.30	868.53	868.60	868.92	869.34	869.35	869.76	870.11	870.41
CROWN	STATION	62+87.59	63+04.34	63+21.09	63+33.59	63+37.84	63+54.59	63+73.34	63+73.59	63+92.09	64+10.84	64+29.59
	F.D.S. ELEV.	867.74	868.07	868.40	868.65	868.73	869.07	869.44	869.44	869.81	870.18	870.55
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	867.74	868.10	868.44	868.67	868.74	869.07	869.48	869.49	869.90	870.25	870.55
RT. TOE OF PARAPET	STATION	62+80.36	62+97.11	63+13.86	63+26.36	63+30.61	63+47.36	63+66.11	63+66.36	63+84.86	64+03.61	64+22.36
	F.D.S. ELEV.	867.05	867.38	867.71	867.96	868.05	868.38	868.75	868.75	869.12	869.49	869.87
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	867.05	867.41	867.75	867.98	868.06	868.38	868.79	868.80	869.21	869.57	869.87
FAI-00070-01190 R TOP OF HAUNCH ELEVATIONS												
BEAM 10	STATION	62+92.14	63+08.89	63+25.64	63+38.14	63+42.39	63+59.14	63+77.89	63+78.14	63+96.64	64+15.39	64+34.14
	F.D.S. ELEV.	867.48	867.82	868.15	868.40	868.48	868.81	869.18	869.19	869.56	869.93	870.30
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.78	867.14	867.48	867.71	867.78	868.10	868.52	868.53	868.94	869.29	869.59
BEAM 11	STATION	62+90.48	63+07.23	63+23.98	63+36.48	63+40.73	63+57.48	63+76.23	63+76.48	63+94.98	64+13.73	64+32.48
	F.D.S. ELEV.	867.58	867.91	868.24	868.49	868.57	868.91	869.28	869.28	869.65	870.02	870.39
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.87	867.23	867.57	867.80	867.88	868.20	868.61	868.62	869.03	869.39	869.69
BEAM 12	STATION	62+88.81	63+05.56	63+22.31	63+34.81	63+39.06	63+55.81	63+74.56	63+74.81	63+93.31	64+12.06	64+30.81
	F.D.S. ELEV.	867.67	868.00	868.33	868.58	868.67	869.00	869.37	869.37	869.74	870.11	870.49
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.96	867.33	867.66	867.89	867.97	868.29	868.70	868.71	869.12	869.48	869.78
BEAM 13	STATION	62+87.15	63+03.90	63+20.65	63+33.15	63+37.40	63+54.15	63+72.90	63+73.15	63+91.65	64+10.40	64+29.15
	F.D.S. ELEV.	867.69	868.03	868.36	868.61	868.69	869.02	869.40	869.40	869.77	870.14	870.51
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.99	867.35	867.69	867.92	867.99	868.31	868.73	868.74	869.15	869.50	869.80
BEAM 14	STATION	62+85.48	63+02.23	63+18.98	63+31.48	63+35.73	63+52.48	63+71.23	63+71.48	63+89.98	64+08.73	64+27.48
	F.D.S. ELEV.	867.54	867.87	868.20	868.45	868.53	868.86	869.24	869.24	869.61	869.98	870.35
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.83	867.19	867.53	867.76	867.84	868.16	868.57	868.58	868.99	869.35	869.64
BEAM 15	STATION	62+83.82	63+00.57	63+17.32	63+29.82	63+34.07	63+50.82	63+69.57	63+69.82	63+88.32	64+07.07	64+25.82
	F.D.S. ELEV.	867.38	867.71	868.04	868.29	868.37	868.71	869.08	869.08	869.45	869.82	870.19
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.67	867.04	867.37	867.60	867.68	868.00	868.41	868.42	868.83	869.19	869.49
BEAM 16	STATION	62+82.15	62+98.90	63+15.65	63+28.15	63+32.40	63+49.15	63+67.90	63+68.15	63+86.65	64+05.40	64+24.15
	F.D.S. ELEV.	867.22	867.55	867.88	868.13	868.22	868.55	868.92	868.92	869.29	869.66	870.04
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.51	866.88	867.21	867.44	867.52	867.84	868.26	868.26	868.67	869.03	869.33
BEAM 17	STATION	62+80.49	62+97.24	63+13.99	63+26.49	63+30.74	63+47.49	63+66.24	63+66.49	63+84.99	64+03.74	64+22.49
	F.D.S. ELEV.	867.06	867.39	867.72	867.97	868.06	868.39	868.76	868.77	869.13	869.51	869.88
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.35	866.72	867.05	867.28	867.36	867.68	868.10	868.10	868.51	868.87	869.17

SCREED DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY MPEDGEON STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 29 | TOTAL 34
SHEET P.1383 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:00:13 PM USER: brieder
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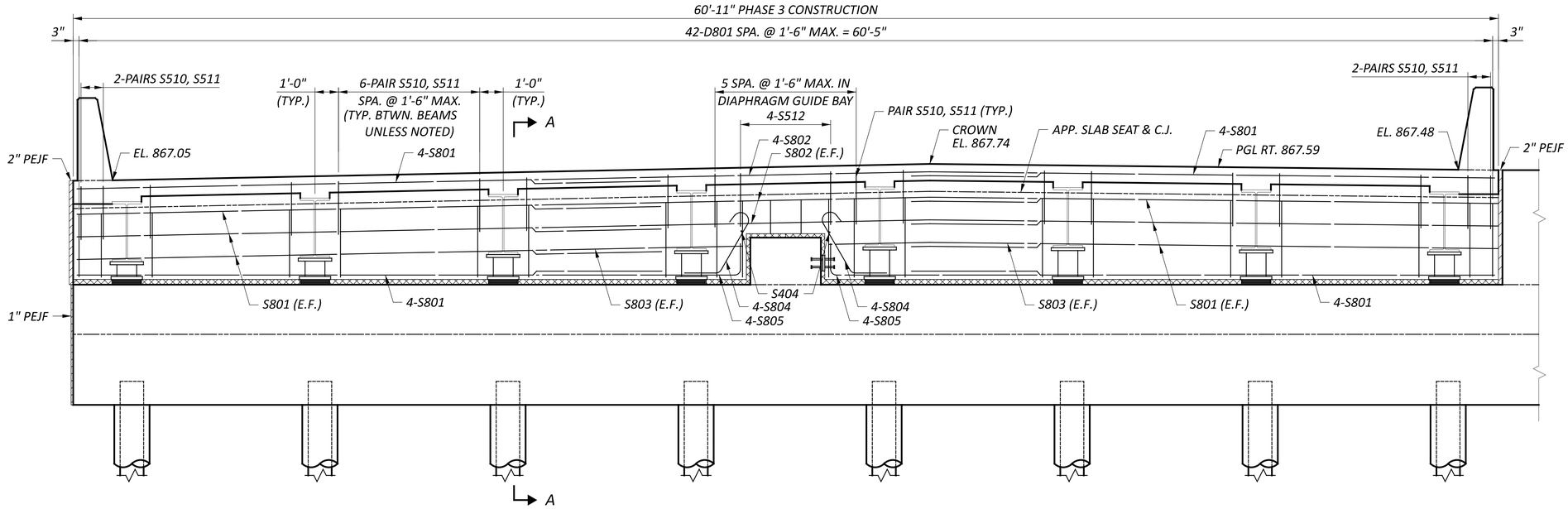
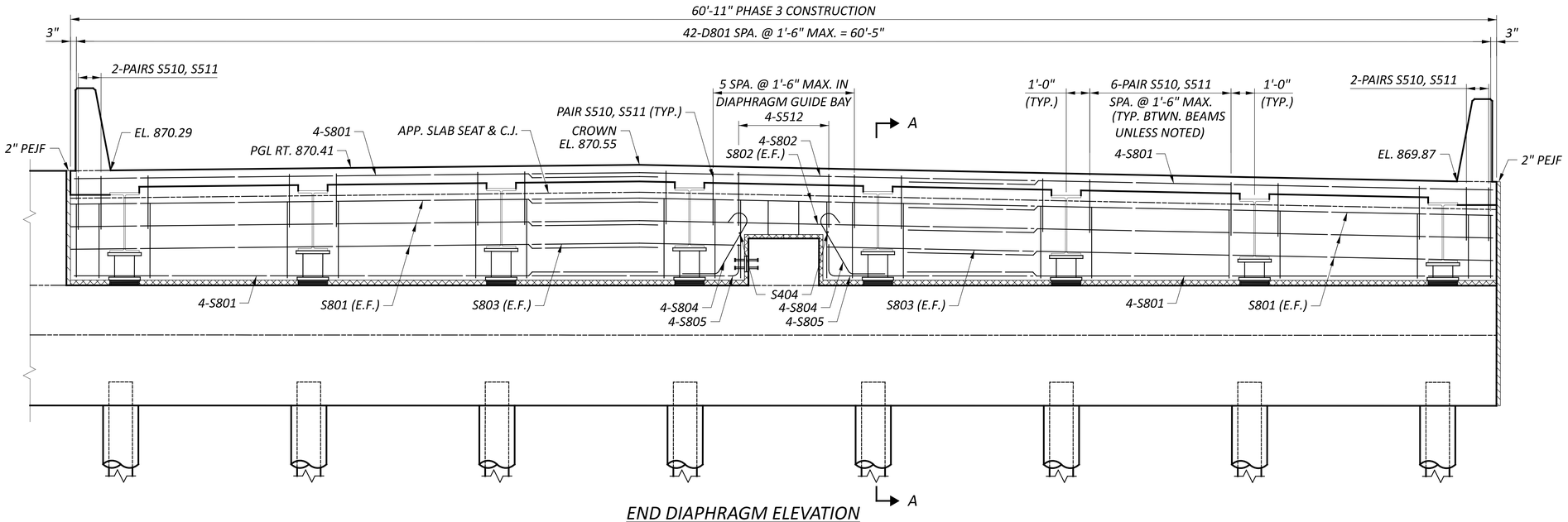


END DIAPHRAGM ELEVATION

REAR ABUTMENT



END DIAPHRAGM ELEVATION

FORWARD ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A , SEE SHEET 31/34.

SUPERSTRUCTURE DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN	2301653
DESIGN AGENCY	MORPHEUS STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	30
TOTAL	34
SHEET	P.1384
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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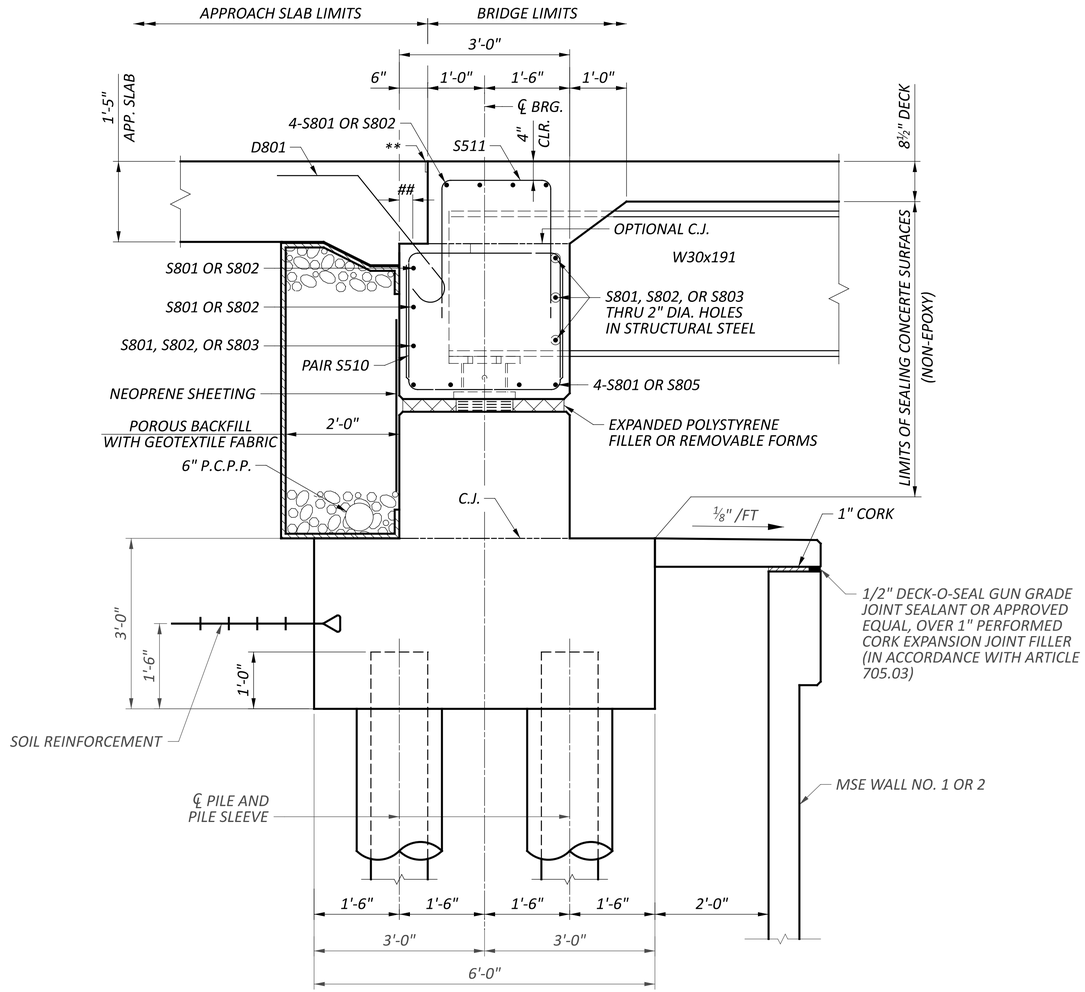

SECTION A-A

ABUTMENT REINFORCING NOT SHOWN FOR CLARITY

2¼" ±¼" CLR.

*** SEE DETAIL "B" ON STANDARD DRAWING AS-1-15*

NOTES:

1. *FOR ABUTMENT DETAILS, SEE SHEET 18/34.*
2. *ABUTMENT DIAPHRAGM CONCRETE, PHASED CONSTRUCTION: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS OF AN INDIVIDUAL PHASE WITH THE DECK CONCRETE OR AT LEAST 48 HOURS BEFORE PLACEMENT OF THE DECK CONCRETE. IF PLACED SEPERATELY, LOCATE A HORIZONTAL CONSTRUCTION JOINT IN THE DIAPHRAGM AS SHOWN ON SICD-1-21 AND PLACE REMAINING DIAPHRAGM CONCRETE WITH THE DECK. PLACE CLOSURE POUR CONCRETE IN THE DIAPHRAGM AND DECK CONCURRENTLY.*

SUPERSTRUCTURE DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653

DESIGN AGENCY
WEIDLEIN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET	TOTAL
31	34

SHEET	TOTAL
P.1385	P.1556

FAI/LIC-70.0.00/0.00

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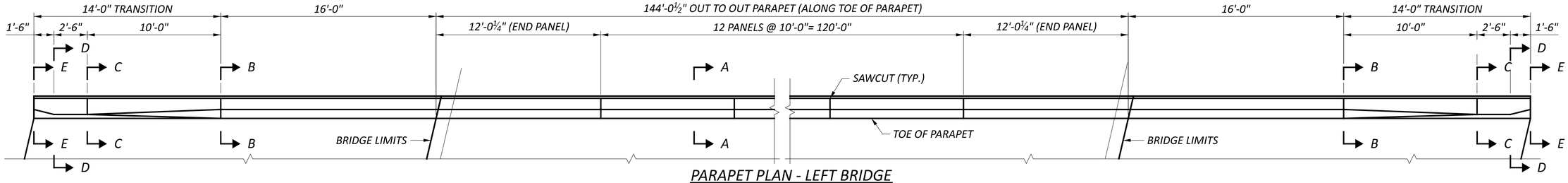
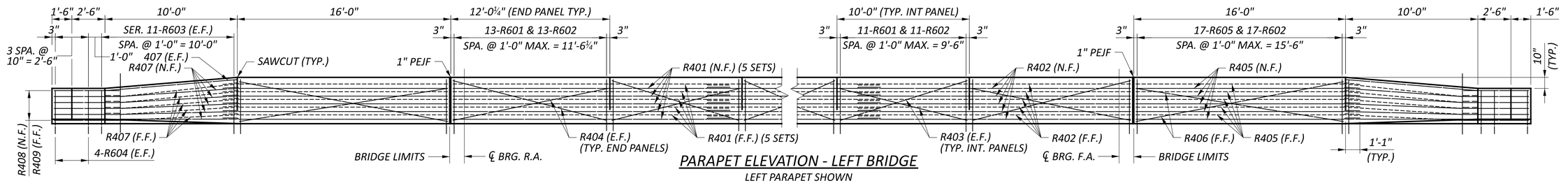


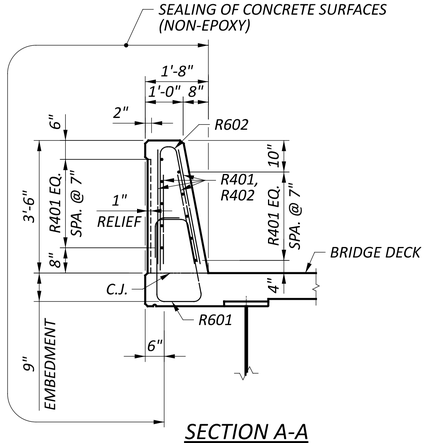
PARAPET PLAN - LEFT BRIDGE

LEFT PARAPET SHOWN

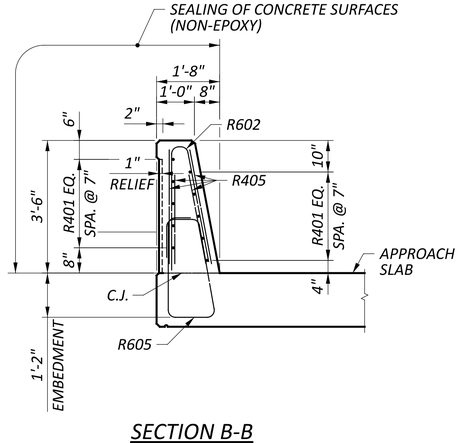


PARAPET ELEVATION - LEFT BRIDGE

LEFT PARAPET SHOWN



SECTION A-A



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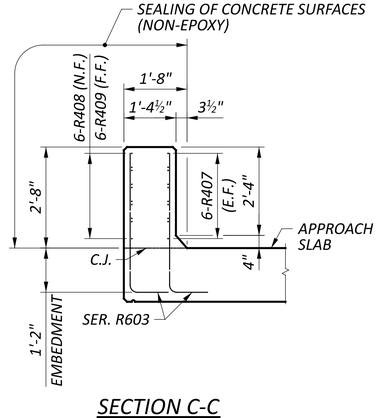

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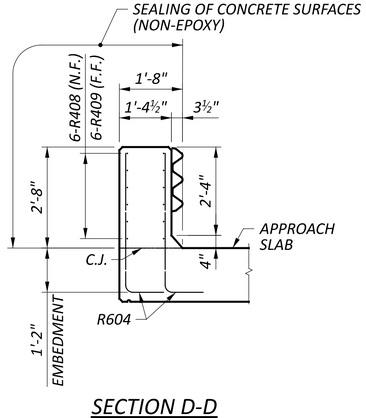
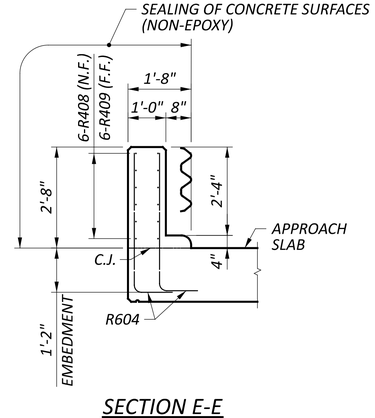


SECTION D-D



SECTION E-E

MINIMUM BAR LAP	
#4	1'-1"

NOTES:

1. SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.
2. FOR BRIDGE TERMINAL ASSEMBLY. SEE STANDARD CONSTRUCTION DRAWING MSG 3.1.

PARAPET DETAILS - 1
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 32 | TOTAL 34
SHEET P.1386 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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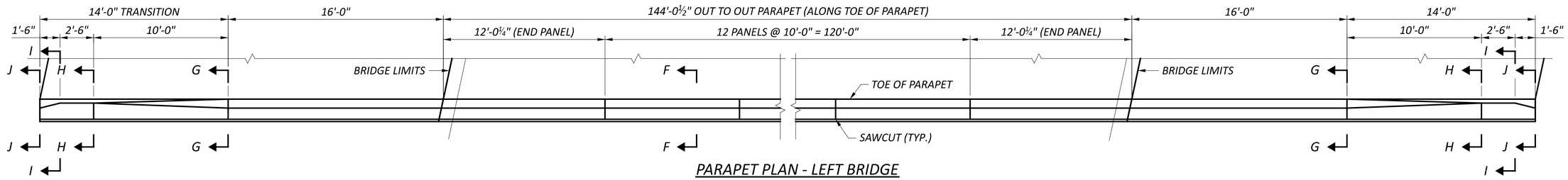
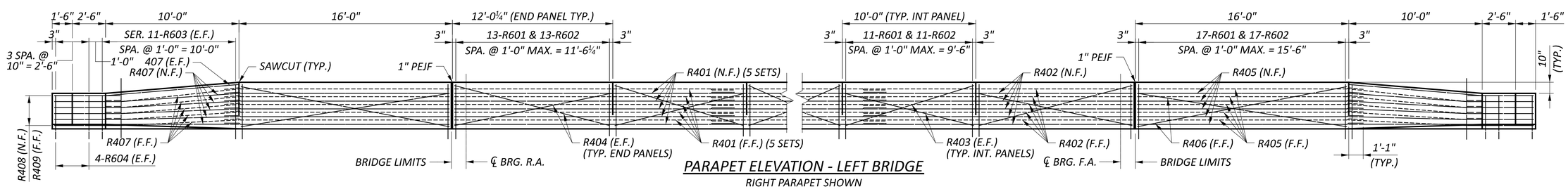


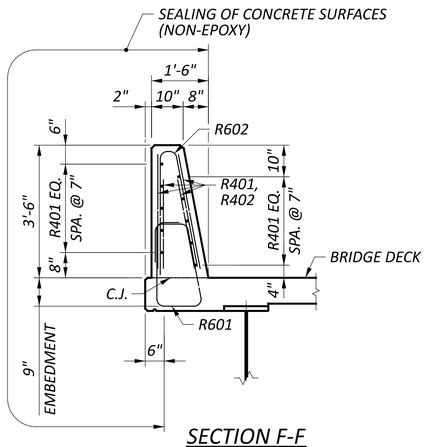
PARAPET PLAN - LEFT BRIDGE

RIGHT PARAPET SHOWN

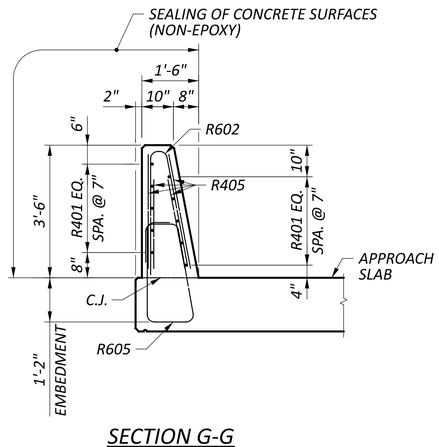


PARAPET ELEVATION - LEFT BRIDGE

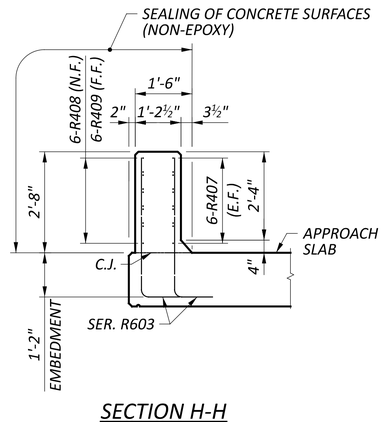
RIGHT PARAPET SHOWN



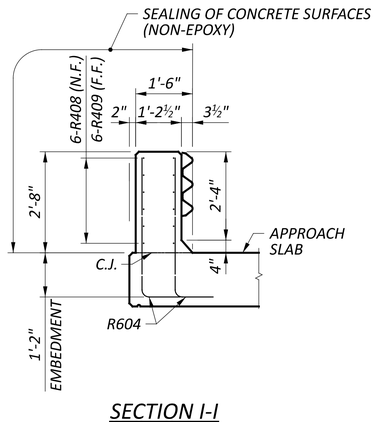
SECTION F-F



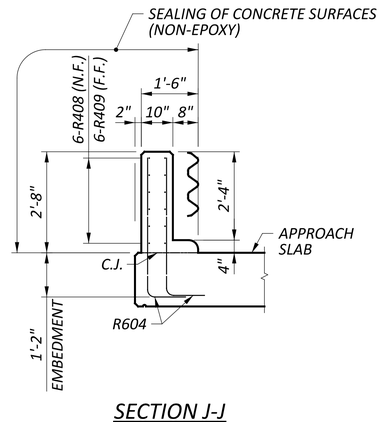
SECTION G-G



SECTION H-H



SECTION I-I



SECTION J-J

MINIMUM BAR LAP	
#4	1'-1"

NOTES:

1. SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.
2. FOR BRIDGE TERMINAL ASSEMBLY. SEE STANDARD CONSTRUCTION DRAWING MSG 3.1.

PARAPET DETAILS - 2
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 33 | TOTAL 34
SHEET P.1387 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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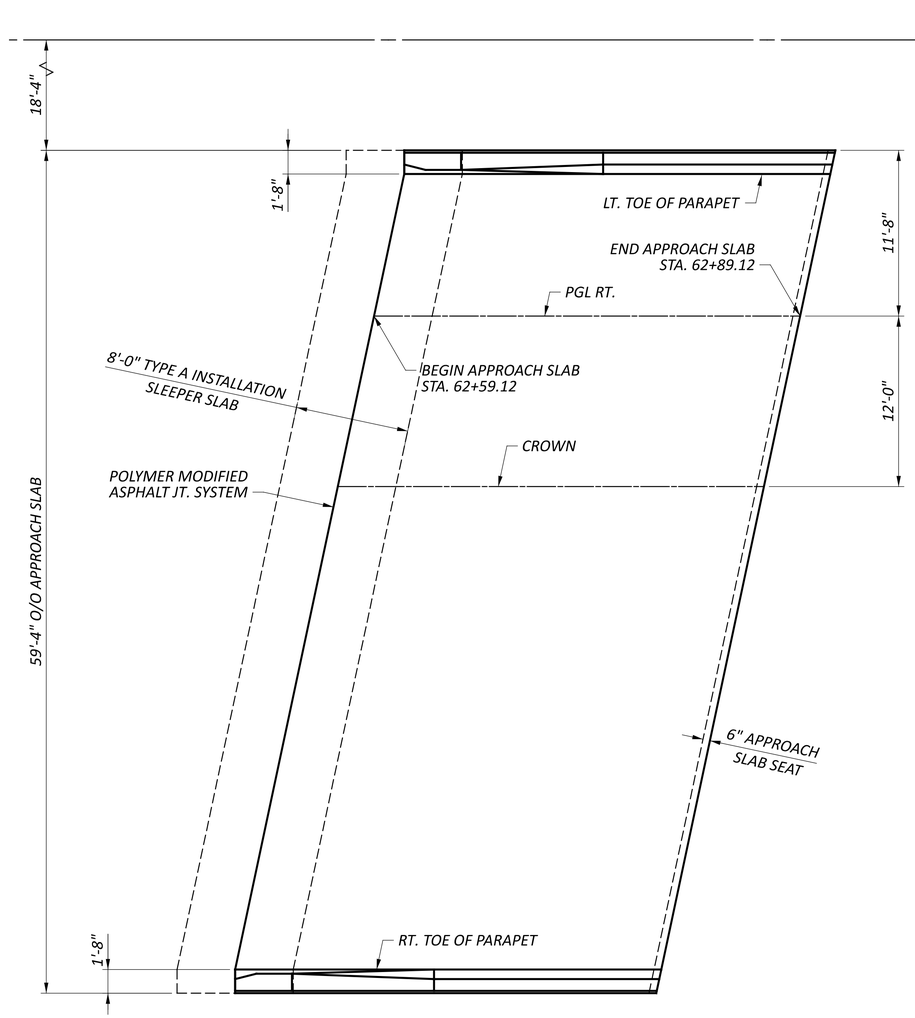
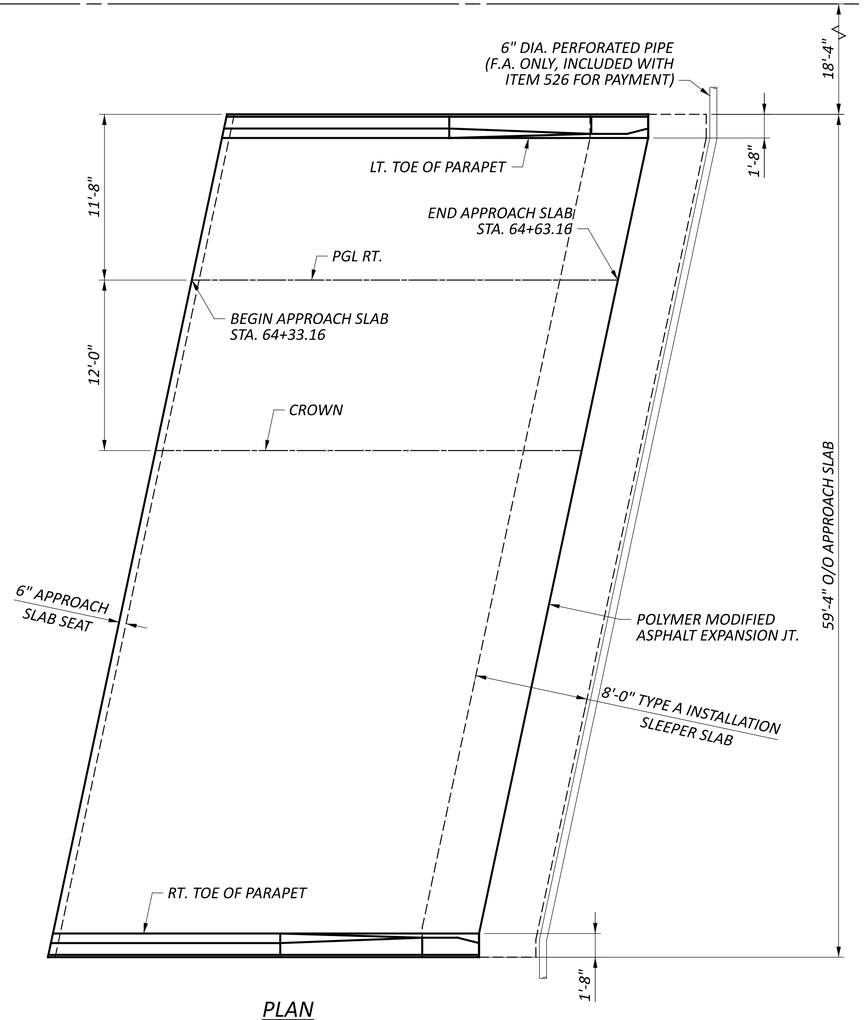


PLAN
REAR APPROACH



PLAN
FORWARD APPROACH

APPROACH SLAB ELEVATIONS

APPROACH LINE / DESCRIPTION		BEGIN REAR SLEEPER SLAB	BEGIN REAR APPROACH SLAB	END REAR SLEEPER SLAB	END REAR APPROACH SLAB	STRUCTURE LIMITS	BEGIN FWD. APPROACH SLAB	BEGIN FWD. SLEEPER SLAB	END FWD. APPROACH SLAB	END FWD. SLEEPER SLAB
LT. TOE OF PARAPET	STATION	62+57.15	62+61.24	62+65.33	62+91.24		64+35.29	64+61.20	64+65.29	64+69.38
	ELEVATION	865.36	866.86	865.53	867.46		870.31	869.41	870.91	869.57
PGL RT.	STATION	62+55.03	62+59.12	62+63.21	62+89.12		64+33.16	64+59.07	64+63.16	64+67.25
	ELEVATION	865.48	866.98	865.64	867.57		870.43	869.53	871.03	869.69
CROWN	STATION	62+52.48	62+56.57	62+60.66	62+86.57		64+30.61	64+56.52	64+60.61	64+64.70
	ELEVATION	865.62	867.12	865.78	867.72		870.57	869.67	871.17	869.83
RT. TOE OF PARAPET	STATION	62+45.25	62+49.34	62+53.43	62+79.34		64+23.38	64+49.29	64+53.38	64+57.47
	ELEVATION	864.93	866.43	865.10	867.03		869.89	868.98	870.48	869.15

NOTES:

1. FOR STANDARD APPROACH SLAB DETAILS, SEE STANDARDS DRAWING AS-1-15.
2. FOR STANDARD APPROACH SLAB TYPE C INSTALLATION DETAILS, SEE STANDARD DRAWING AS-2-15.
3. APPROACH SLABS SHALL NOT BE POURED WITH BRIDGE DECK.
4. ELEVATIONS GIVEN AT TOP OF APPROACH SLAB AND SLEEPER SLAB.

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00070-01190 R
IR 70 OVER S.R. 256

SFN 2301653
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 34 | TOTAL 34
SHEET P.1388 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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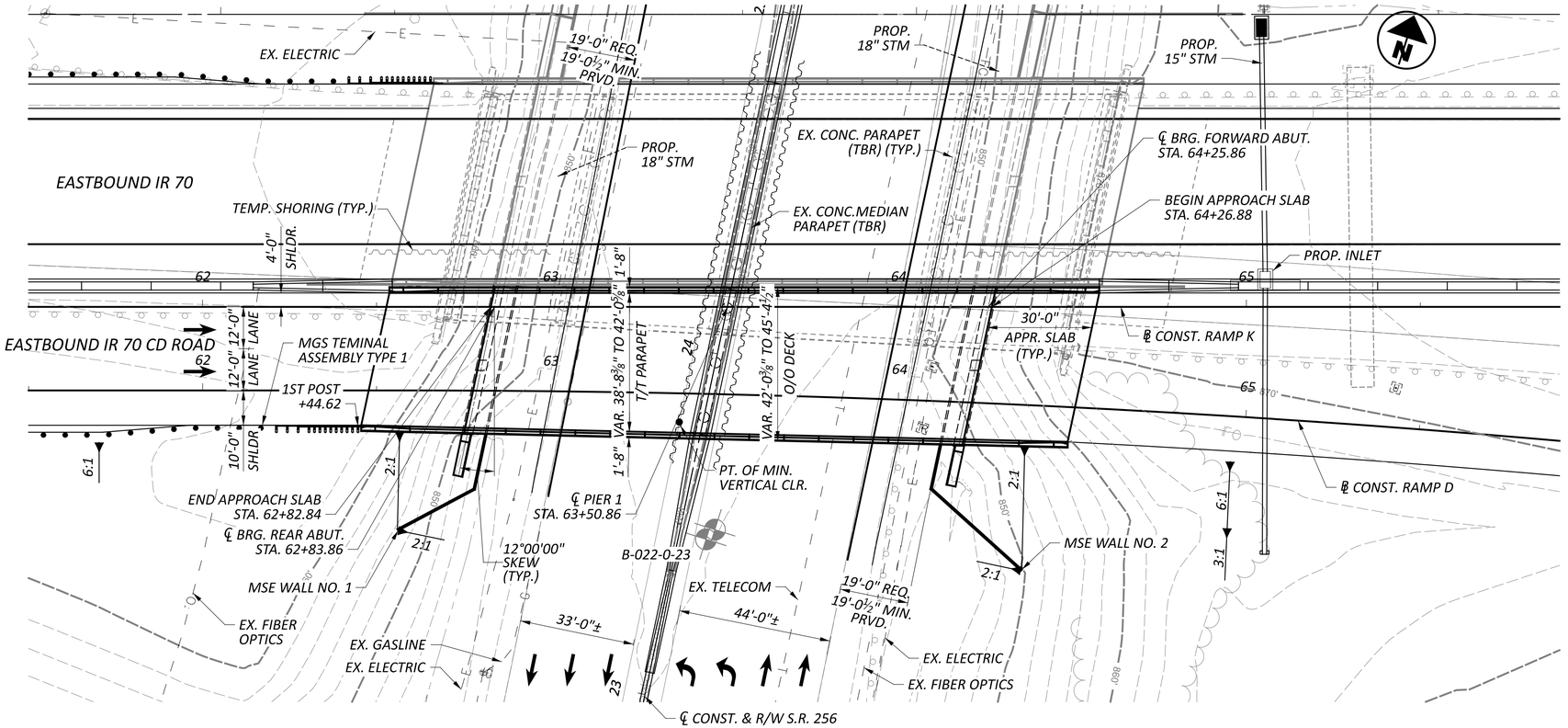
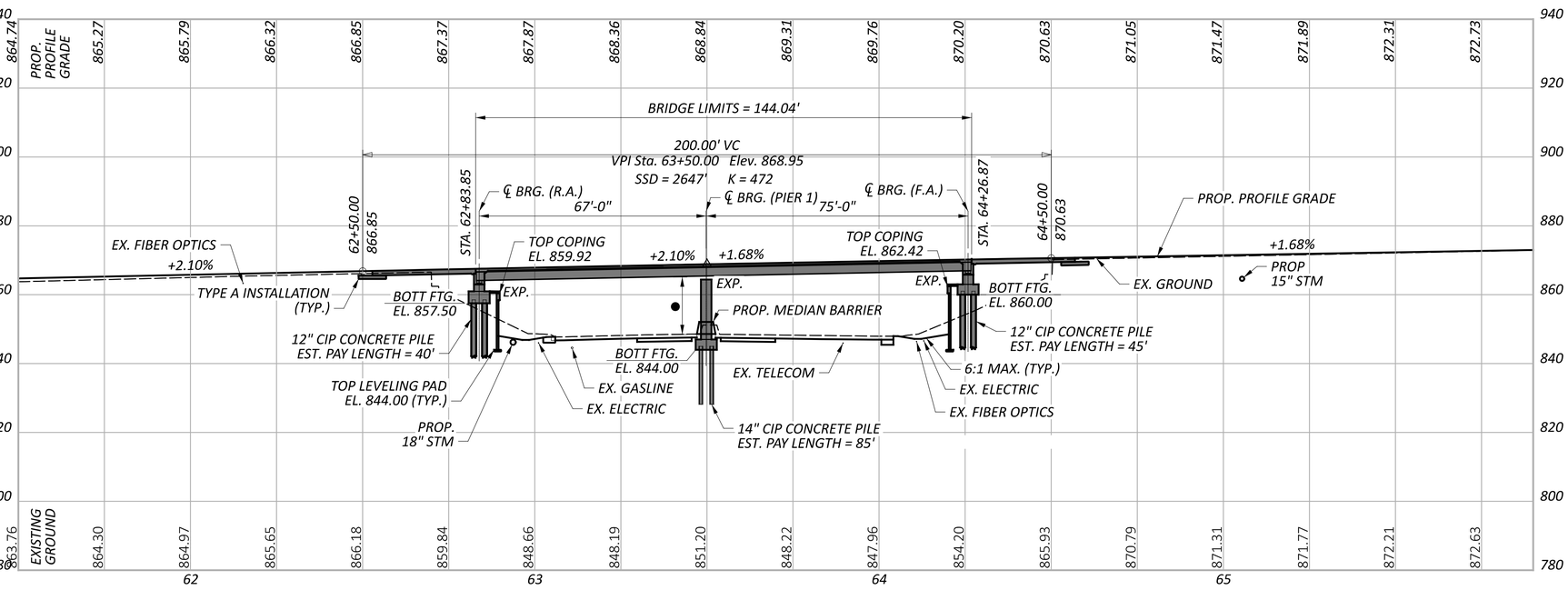


PLAN



PROFILE - ALONG ℄ CONST. RAMP K

BENCHMARK DATA

C.P. 208 STA.	35+84.10,	ELEV.	851.61,	OFFSET	113.98',	RT
C.P. 209 STA.	76+56.01,	ELEV.	890.18,	OFFSET	141.75',	LT

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.0020

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2030 ADT = 19,370 2030 ADTT = 780
2050 ADT = 26,770 2050 ADTT = 1,070
DIRECTIONAL DISTRIBUTION = 60%

LEGEND

- ⌖ - PROJECT BORING LOCATION
- ● - 15'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
  16'-1½" ACTUAL MINIMUM VERTICAL CLEARANCE
- TBR - TO BE REMOVED

PROPOSED STRUCTURE

TYPE: COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIERS AND SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS

SPANS: 67'-0", 75'-0" C/C BRG.
ROADWAY: VARIES 38'-8⅜" TO 42'-0⅝" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL-93
FUTURE WEARING SURFACE: 60 PSF
SKEW: 12°00'00" L.F.
APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15, TYPE A)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 6,295 SF

COORDINATES: LATITUDE 39°56'00.14" N
LONGITUDE 82°47'22.36" W

SITE PLAN
BRIDGE NO. FAI-00070-01190
IR 70 EASTBOUND CD ROAD OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	1
TOTAL	34
SHEET	P.1389
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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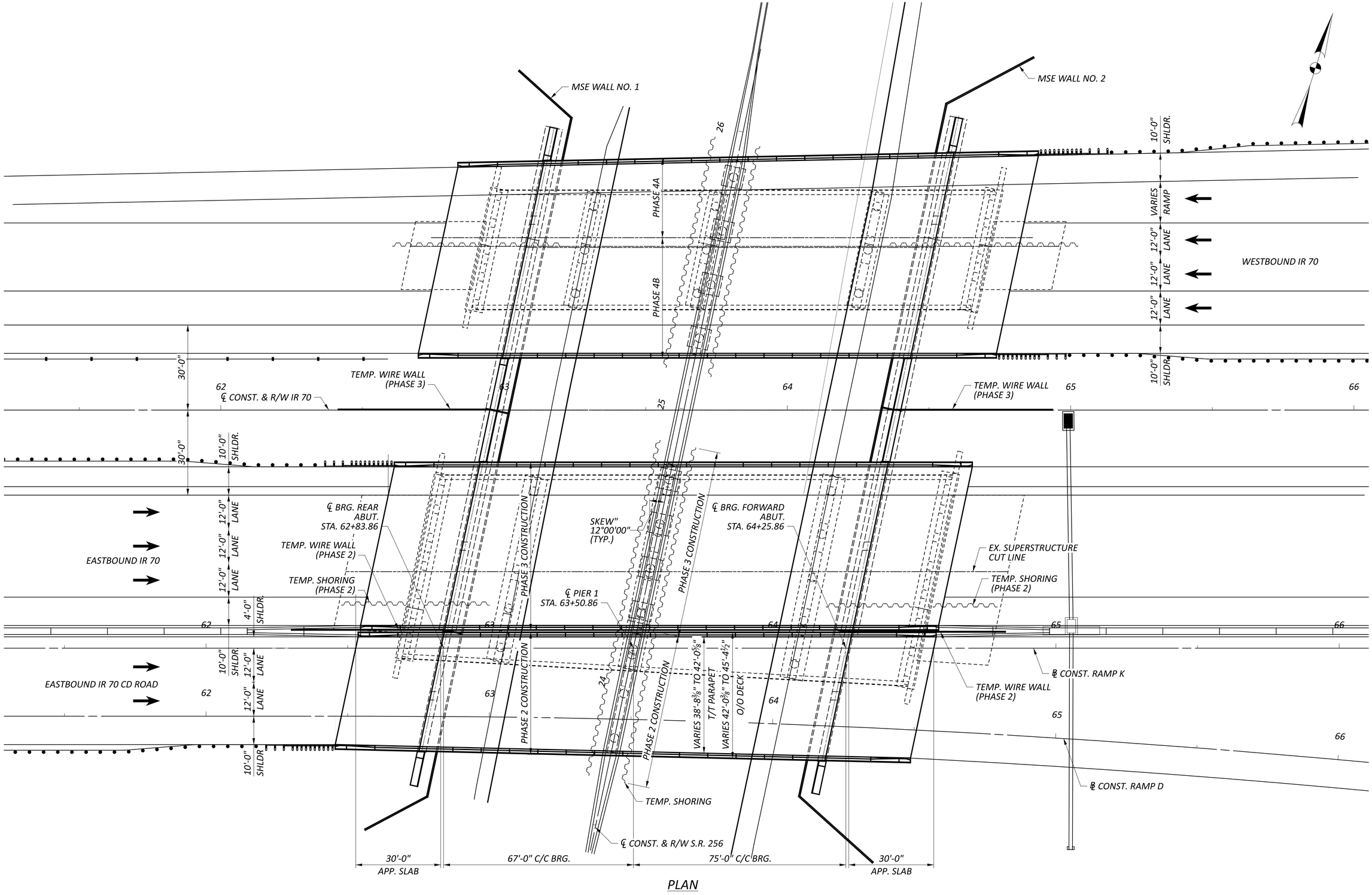

PLAN

NOTES:

1. FOR MSE WALL AND TEMPORARY WIRE WALL DETAILS, SEE MSE WALL NO. 1 AND MSE WALL NO. 2 PLANS.

GENERAL PLAN
BRIDGE NO FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	2
TOTAL	34
SHEET	P.1390
TOTAL	P.1556

CTY-RTE-SECTION

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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
GSD-1-19	REVISED	07-19-24
PCB-91	REVISED	07-17-20
SBR-1-20	REVISED	07-19-24
SICD-2-14	REVISED	01-15-21

AND THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

SS846	REVISED	04-17-15

DESIGN SPECIFICATIONS:

THE PROPOSED WORK CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING:

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.060 KSF

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI (DECK, PARAPET, SUBSTRUCTURES)

GFRP REINFORCEMENT (PARAPET)

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN:

DESCRIPTION:
THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING STRUCTURE. THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED, I.E. THE EXISTING STRUCTURE USED FOR MAINTAINING TRAFFIC. THE USE OF EXPOSIVES, HEADACHE BALLS, HOE RAM TYPE EQUIPMENT, AND TRACK HOE PULVERIZER/ SHEAR/MULTI-PROCESSOR ATTACHMENTS IS PROHIBITED FOR REMOVAL OF THE EXISTING ABUTMENT AND PIER COMPONENETS WITHIN 18 INCHES OF PORTIONS TO BE PRESERVE, I.E. PORTIONS TO REMAIN FOR MAINTAINING TRAFFIC. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

PROTECTION OF TRAFFIC:
THE CONTRACTOR SHALL SUBMIT PLANS FOR THE PROTECTION OF TRAFFIC (VEHICULAR, PEDESTRIAN, ETC.) AS PER CMS 501.05.B.2.

REMOVAL METHODS:
THE CONTRACTOR MAY REMOVE EXISTING SUBSTRUCTURE CONCRETE BY CUTTING AND BY MEANS OF APPROVED HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS IN THE AREA DESCRIBED ABOVE. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED.

MEASUREMENT AND PAYMENT:
THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202,STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

PAINTING OF STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 514 OF THE C&MS.

THE FINISH COAT COLOR SHALL BE BROWN FS-595C-10324.

SURFACE SMOOTHNESS FOR BRIDGES AND APPROACHES:

AT THE COMPLETION OF WORK FOR ALL PHASES OF CONSTRUCTION AND PRIOR TO OPENING THE BRIDGE TO TRAFFIC, THE CONTRACTOR SHALL PERFORM THE FOLLOWING AS PER PROPOSAL NOTE 555:

1. CLEAN, SWEEP, AND PREPARE THE FINAL DECK AND FINAL ROADWAY SURFACE.
2. MEASURE, GRIND, AND RE-MEASURE THE BRIDGE AND/OR ROADWAY AS NECESSARY.
3. GROOVE THE BRIDGE DECK.

PILE DRIVING CONSTRAINTS:

PRIOR TO DRIVING ABUTMENT PILES TO THE ULTIMATE BEARING VALUE (UBV), CONSTRUCT THE MSE WALL AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENT UP TO THE BOTTOM OF THE FOOTING FOR A MINIMUM DISTANCE OF (1) BEHIND EACH ABUTMENT. THE CONTRACTOR MAY PRE-DRIVE ABUTMENT PILES BEFORE CONSTRUCTING MSE WALLS. PREDRIVING CONSISTS OF INSTALLING THE ABUTMENT PILES INTO THE SOIL ONLY AS FAR AS NECESSARY SO THAT THE PILE WILL REMAIN VERTICAL DURING MSE WALL CONSTRUCTION. IF PRE-DRIVING PILES, INSTALL PILE SLEEVES AROUND PILES BEFORE CONSTRUCTING THE MSE WALL. PROVIDE AT LEAST 3-FT OF PILE ABOVE THE TOP OF THE PILE SLEEVE TO MEET THE REQUIREMENTS OF C&MS 507.09 REGARDING SPLICES. DO NOT DRIVE ABUTMENT PILES TO THE (UBV) UNTIL AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND A (2) CALENDAR DAY WAITING PERIOD HAS ELAPSED. THE ENGINEER MAY ADJUST THE LENGTH OF THE WAITING PERIOD BASED ON SETTLEMENT PLATFORM READINGS. AFTER THE SPECIFIED WAITING PERIOD HAS ELAPSED, DRIVE ABUTMENT PILES TO THE (UBV). IN ORDER TO REMOVE ANY NEGATIVE SKIN FRICTION THAT HAS DEVELOPED DURING THE WAITING PERIOD, DRIVE EACH ABUTMENT PILE A DISTANCE OF AT LEAST 0.5-IN.

IF NOT PRE-DRIVING ABUTMENT PILES, INSTALL THE ABUTMENT PILES THROUGH PILE SLEEVES AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND THE SPECIFIED WAITING PERIOD HAS ELAPSED.

PILES DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE IS 286 KIPS PER PILE FOR THE ABUTMENT PILES. THE ULTIMATE BEARING VALUE IS 429 KIPS PER PILE FOR THE PIER 1 PILES.

REAR ABUTMENT PILES:
12" CIP REINFORCED CONCRETE PILES 45 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

PIER 1 PILES:
14" CIP REINFORCED CONCRETE PILES 90 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEMS

FORWARD ABUTMENT PILES:
12" CIP REINFORCED CONCRETE PILES 50 FEET LONG, ORDER LENGTH

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF $\frac{3}{8}$ INCH FOR THE 12"CAST-IN PLACE REINFORCED CONCRETE PILES AND $\frac{5}{16}$ INCH FOR THE 14" CAST-IN-PLACE REINFORCED CONCRETE PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP:

THE ULTIMATE BEARING VALUE IS 429 KIPS PER PILE FOR THE PIER 1 PILES. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

DRIVE THE FIRST TWO PILES AT THE PIER 1 TO THE FULL ESTIMATED LENGTH OF 85 FEET. PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATES A PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF 7 DAYS. INCLUDE THE WAITING PERIOD AS A SEPERATE ACTIVITY IN THE PROGRESS SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

IF THE RESTRIKE TEST RESULTS INDICATE THAT EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FORTHE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER C&MS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 DYNAMIC LOAD TESTING, AS PER PLAN AND A QUANTITY OF ONE EACH ITEM 523 RESTRIKE, AS PER PLAN PER EACH SUBSTRUCTURE UNIT.

DECK PLACEMENT DESIGN ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.32 KIPS.

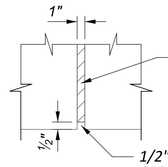
A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 IN.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65".

ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:

ALL 1" PEJF CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER 1/2" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION FOR MAXIMUM EFFECTIVENESS.



1" PREFORMED CORK EXPANSION JOINT FILLER

1/2" DECK-O-SEAL GUN GRADE JOINT SELANT OR APPROVED AQUAL, OVER 1" PREFORMED CORK EXPANSION JOINT FILLER IN ACCORDANCE WITH ARTIC 705.03

DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

GENERAL NOTES - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
3	34

SHEET	TOTAL
P.1391	P.1556

FAI/LIC-70.0.00/0.00

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ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN:

IN ADDITION TO THE WORK ITEMS REQUIRED IN 511, THESE ITEMS WILL INCLUDE THE DEVELOPMENT, DELIVERY AND PLACEMENT OF A CLASS QC2 AND QC1 SELF CONSOLIDATING CONCRETE MIX DESIGN AS DESCRIBED IN THE FOLLOWING NOTE:

PROVIDE A CONCRETE MIX WITH THE FOLLOWING PROPERTIES:

SELF-CONSOLIDATING CONCRETE (SCC): WHEN REQUIRED IN THE DESIGN PLANS OR APPROVED BY THE ENGINEER, PROVIDE AN SCC MIX WITH AGGREGATE GRADATIONS WITHIN ZONE II OF THE COARSENESS FACTOR CHART THAT IS FLOWABLE, NON-SEGREGATING CONCRETE THAT CAN SPREAD INTO PLACE, FILL THE FORMWORK, AND ENCAPSULATE THE REINFORCEMENT WITHOUT MECHANICAL CONSOLIDATION. INCREASING THE AMOUNT OF AN APPROVED 705.12 (SCC) ADMIXTURE OF AN APPROVED JMF TO ACHIEVE THE DESIRED CONSISTENCY; RE-PROPORTIONING THE AGGREGATES WITHIN ZONE II; ADDING CEMENTITIOUS MATERIAL; AND INCLUDING A VISCOSITY MODIFYING ADMIXTURE (VMA) ARE ACCEPTABLE METHODS OF IMPROVING THE STABILITY OF THE MIX. A NEW MIX DESIGN IS NOT REQUIRED.

SLUMP REQUIREMENTS OF TABLE 499.04-1 DO NOT APPLY.

ESTABLISH QUALITY CONTROL PROCEDURES IN THE QUALITY CONTROL PLAN FOR SCC CONCRETE. SET THE TARGET SLUMP FLOW FOR THE MIX AND MAINTAIN THE FLOW WITHIN ` 2 INCHES. VISUALLY INSPECT THE STABILITY OF THE MIX TO ENSURE THAT THERE IS NO AGGREGATE PILE IN THE MIDDLE OF, NOR MORTAR HALO IN EXCESS OF ½ INCH ON THE LEADING EDGE OF THE SLUMP FLOW TEST PILE. TEST THE SLUMP FLOW ACCORDING TO ASTM C1611.

GRADATION:

PROVIDE A WELL-GRADED CONCRETE MIX BY MAINTAINING THE GRADATION OF THE COMBINATION OF AGGREGATES WITHIN ZONE II (OPTIMAL) OF THE COARSENESS FACTOR CHART (FIGURE 1) AS DEFINED IN THE COMPASS OR EQUAL SOFTWARE. USE A 1 INCH NOMINAL MAXIMUM SIZE AGGREGATE. ENSURE THAT THE DESIGN YIELD IS 27.0 CU. FT.

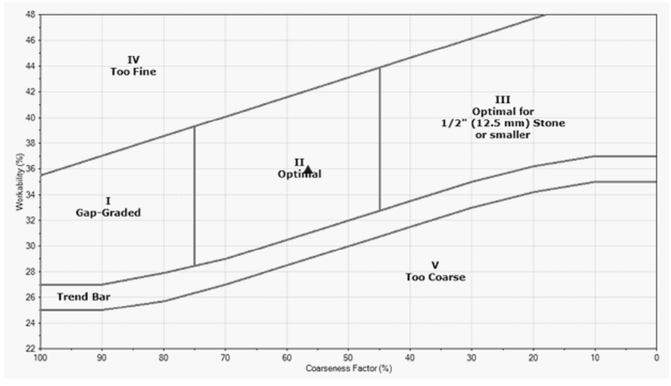


FIGURE 1- COARSENESS FACTOR CHART

USE THE FOLLOWING SIEVE SIZES TO DETERMINE THE GRADATION OF THE AGGREGATES:

1 1/2 INCH	# 8
1 INCH	# 16
3/4 INCH	# 30
1/2 INCH	# 50
3/8 INCH	# 100
#4	# 200

IN THE CHART:
WORKABILITY FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT PASSES THE NO. 8 SIEVE. COARSENESS FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT IS RETAINED ON THE NO. 8 SIEVE THAT IS ALSO RETAINED ON THE 3/8 IN. SIEVE. THE CHART IS BASED ON A CEMENT CONTENT OF 564 LBS /CU.YD. ADJUST TO WORKABILITY PROPORTIONATELY AND DIRECTLY BY 2.5% PER 94 LBS. OF CEMENT WHEN USING EITHER LESS OR MORE. ENSURE THAT THE CONCRETE MIX DESIGN IS WORKABLE AND FINISHABLE DURING THE TRIAL PROCESS. WHEN THE MIX IS DETERMINED TO HAVE ISSUES RELATING TO WORKABILITY OR FINISHABILITY IN THE FIELD, THE DEPARTMENT MAY RESCIND THE MIX DESIGN ACCEPTANCE.

THIS S.C.C. CONCRETE IS BEING UTILIZED TO BEST FILL THE FORMLINED CONCRETE POURS WHERE SPECIFIED IN THIS PLAN.

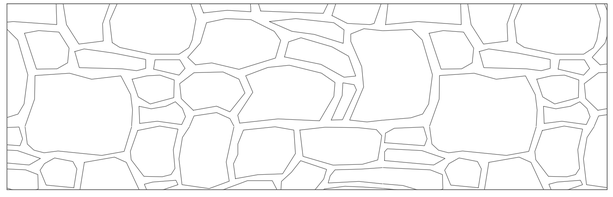
THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 2626 LIGHT GRAY AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL.
THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

PAYMENT WILL INCLUDE DEVELOPMENT AND PLACEMENT OF THE SELF CONSOLIDATING CONCRETE MIX, ALL AESTHETIC TREATMENT INCLUDING THE CONCRETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN



ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	PANEL SURFACE TREATMENT:	SPECIFICATIONS:
CUSTOM ROCK INTERNATIONAL	NEW ENGLAND DRYSTACK # 12003	MAX RELIEF 1⅜" LINER THICKNESS 2¼" STONE SIZE 3" TO 24"
SPEC FORMLINERS, INC.	WASHINGTON DRYSTACK # 1581	MAX RELIEF 1½" LINER THICKNESS 2¾" STONE SIZE 4" TO 24"
APPROVED EQUAL	APPROVED EQUAL	APPROVED EQUAL

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	= ABUTMENT
A.T.G.	= ADJUST TO GRADE
BRG.	= BEARING
CB	= CATCH BASIN
C/C	= CENTER -TO-CENTER
C.J.	= CONSTRUCTION JOINT
CLR.	= CLEARANCE
CONST.	= CONSTRUCTION
DIA.	= DIAMETER
DWG.	= DRAWING
EA.	= EACH
E.F.	= EACH FACE
EL.	= ELEVATION
EST.	= ESTIMATED
EX.	= EXISTING
F.A.	= FORWARD ABUTMENT
F.D.S.	= FINAL DECK SURFACE
F.F.	= FAR FACE
INV.	= INVERT
LT.	= LEFT
MH	= MANHOLE
N.P.C.P.P.	= NON-PERFORATED CORRUGATED PLASTIC PIPE
N.F.	= NEAR FACE
O/O	= OUT-TO-OUT
P.C.P.P.	= PERFORATED CORRUGATED PLASTIC PIPE
PEJF	= PREFORMED EXPANSION JOINT FILLER
PROP.	= PROPOSED
R.A.	= REAR ABUTMENT
REQD.	= REQUIRED
RT.	= RIGHT
SER.	= SERIES
SHLD.	= SHOULDER
SPA.	= SPACES
STA.	= STATION
STD.	= STANDARD
STM	= STORM SEWER LINE
T&B	= TOP AND BOTTOM
T/S	= TOP OF SLOPE
T/T	= TOE-TO-TOE
TYP.	= TYPICAL
UN	= UNLESS NOTED

GENERAL NOTES - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 4 | TOTAL 34
SHEET P.1392 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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ESTIMATED QUANTITIES

CALCULATED BY: SJF DATE: 4/18/25
CHECKED BY: ABD DATE: 4/21/25

ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
202	11003		LS	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	2/34
202	22900	148	SY	APPROACH SLAB REMOVED				148	
202	23500	148	SY	WEARING COURSE REMOVED				148	
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING				LS	
503	21300		LS	UNCLASSIFIED EXCAVATION				LS	
505	11100		LS	PILE DRIVING EQUIPMENT MOBILIZATION				LS	
507	00500	1280	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	1280				
507	00550	1430	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	1430				
507	00600	1275	FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		1275			
507	00650	1350	FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED		1350			
509	10000	112875	LB	EPOXY COATED STEEL REINFORCEMENT	16975	10700	85200		
509	30020	4500	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			4500		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2				
511	34446	218	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			218		
511	34451	66	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN			66		3/34
511	41012	32	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		32			
511	44113	31	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN	31				3/34
511	46512	95	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	77	18			
512	10050	595	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	43	95	457		
512	33000	7	SY	TYPE 2 WATERPROOFING	7				
513	10260	186896	LB	STRUCTURAL STEEL MEMBERS, LEVEL 3			186896		
513	20000	4914	EACH	WELDED STUD SHEAR CONNECTORS			4914		
514	00060	9827	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			9827		
514	00066	9827	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			9827		
514	10000	5	EACH	FINAL INSPECTION REPAIR			5		
516	13601	67	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	50		17		2/34
516	13901	49	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	49				2/34
516	14020	105	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	105				
516	44100	6	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)		6			
516	44101	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	12				21/34
518	21200	35	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	35				
518	40000	87	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	87				
518	40010	10	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	10				
523	20000	1	EACH	DYNAMIC LOAD TESTING	1				
523	20001	1	EACH	DYNAMIC LOAD TESTING, AS PER PLAN		1			2/34
523	20501	1	EACH	RESTRIKE, AS PER PLAN		1			2/34
526	30010	292	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")				292	
526	90010	90	FT	TYPE A INSTALLATION				90	
846	00110	41	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				41	

STRUCTURE ESTIMATED QUANTITIES
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 5 | TOTAL 34
SHEET P.1393 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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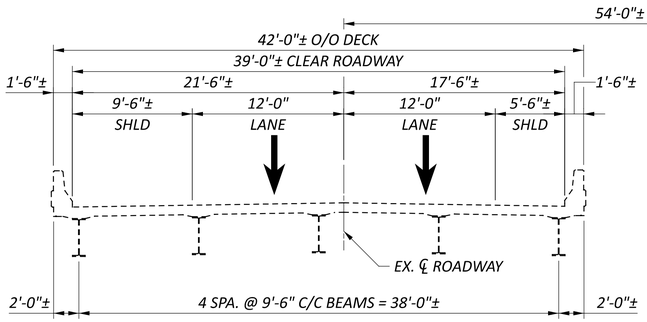
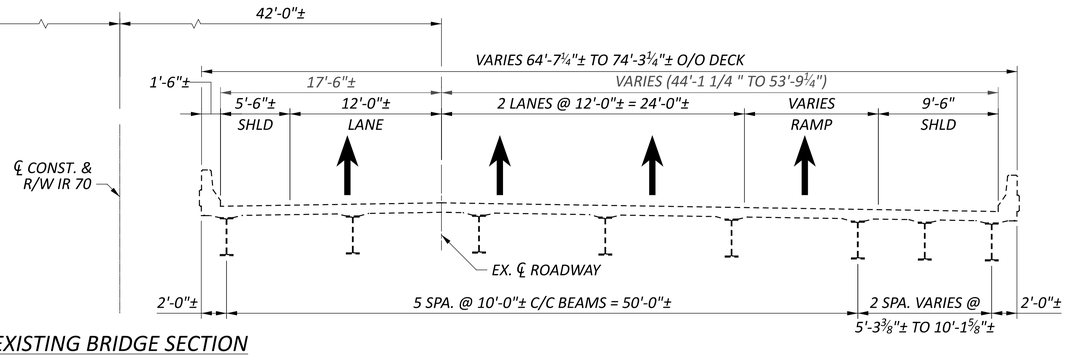
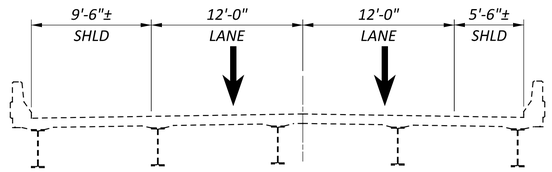
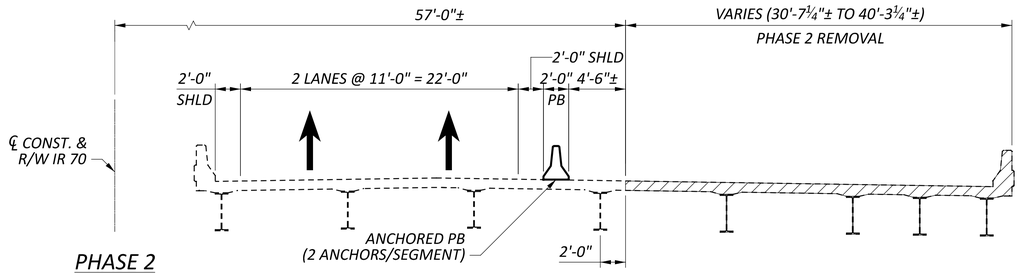


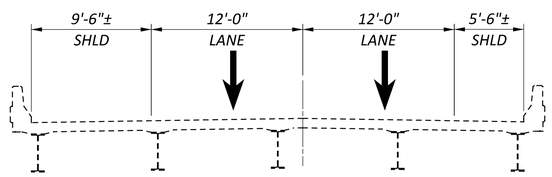


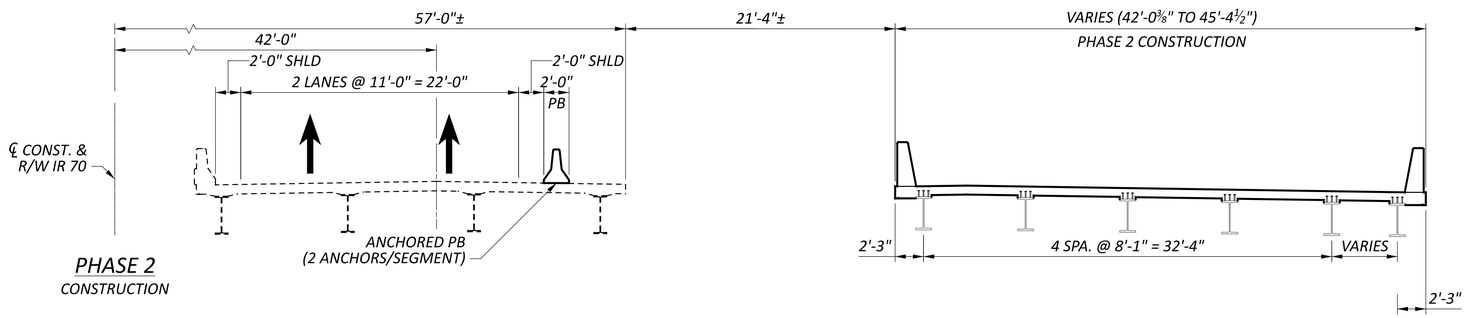
EXISTING BRIDGE SECTION



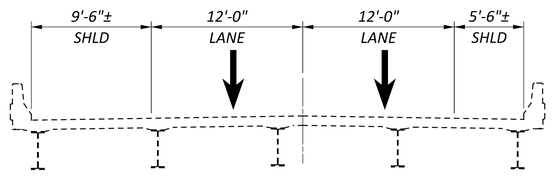


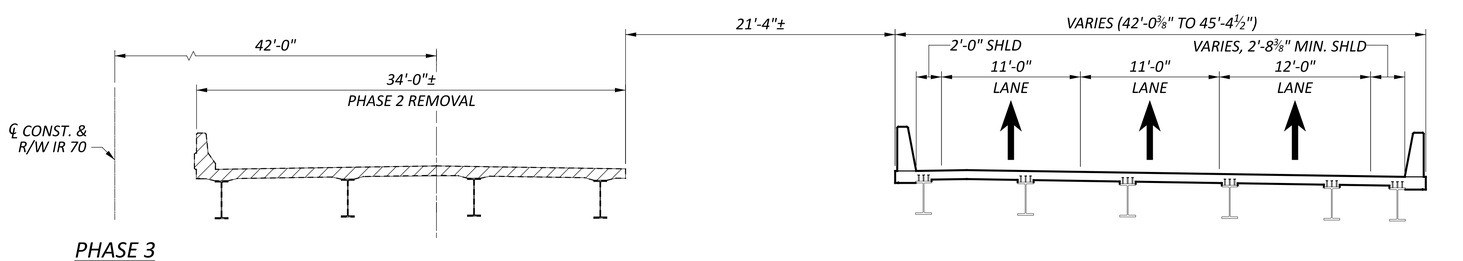
PHASE 2 REMOVAL





PHASE 2 CONSTRUCTION





PHASE 3 REMOVAL

CONSTRUCTION SEQUENCE

PHASE 2:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS AND PER STD DWG PCB-91 OR RM-4.2.
2. INSTALL TEMPORARY SHORING AT THE EXISTING ABUTMENTS AS NECESSARY TO FACILITATE PHASE 2 REMOVALS.
3. REMOVE PHASE 2 PORTIONS OF EX. EB STRUCTURE.
4. CONSTRUCT CD ROAD STRUCTURE INCLUDING PORTIONS OF MSE WALL AND TEMP WIRE FACE WALL.

PHASE 3:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS.
2. REMOVE REMAINING PORTIONS OF EX. EB STRUCTURE.
3. CONSTRUCT EB STRUCTURE INCLUDING PORTIONS OF MSE WALL, AND TEMP. WIRE FACE WALLS.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.

PHASE CONSTRUCTION DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	6
TOTAL	34
SHEET	P.1394
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:03:33 PM USER: brieder
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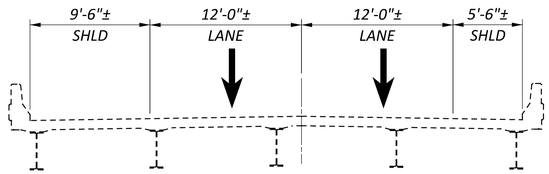
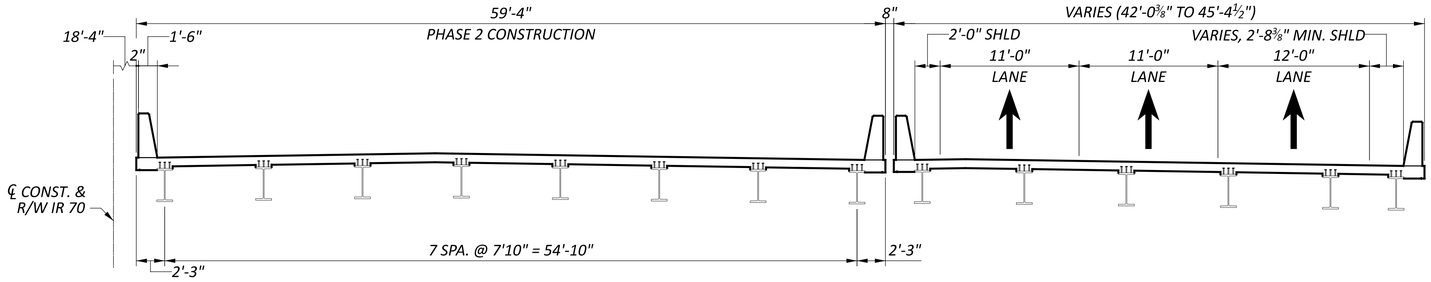
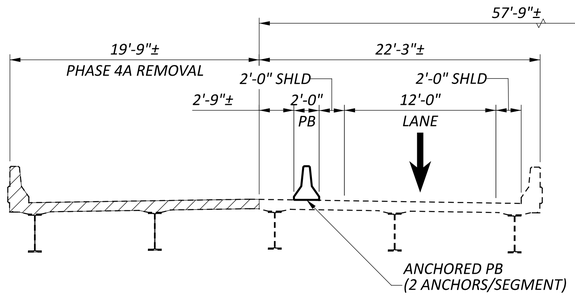
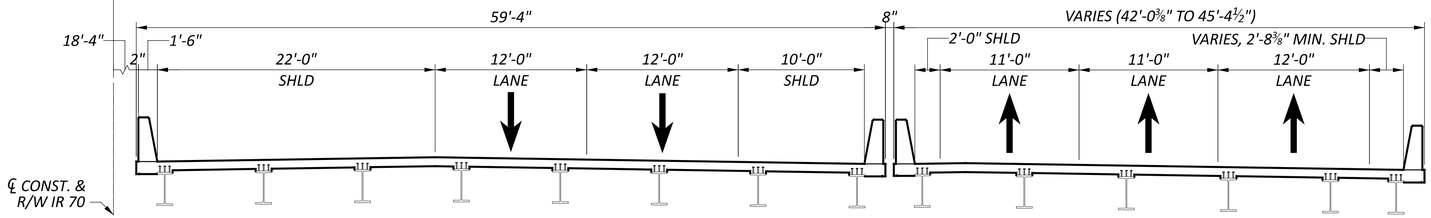


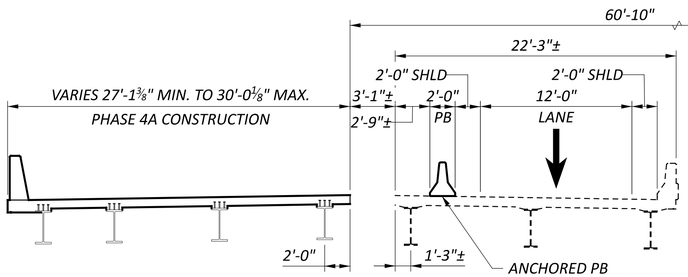


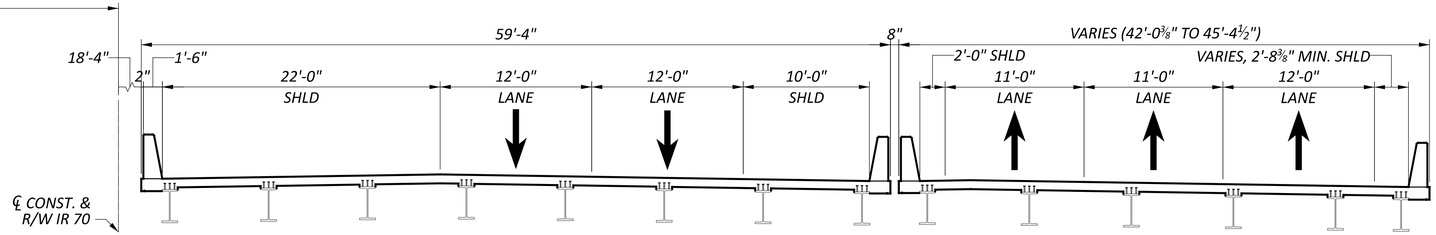
PHASE 3
CONSTRUCTION





PHASE 4A
REMOVAL





PHASE 4A
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4A:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS AND PER STD DWG PCB-91 OR RM-4.2.
2. INSTALL TEMPORARY SHORING AT THE EXISTING ABUTMENTS AS NECESSARY TO FACILITATE PHASE 4A REMOVALS.
3. REMOVE PHASE 4A PORTIONS OF EX. WB STRUCTURE.
4. CONSTRUCT PORTIONS OF WB STRUCTURE INCLUDING PMSE WALL AND TEMP. WIRE FACE WALL.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.

PHASE CONSTRUCTION DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
7	34

SHEET	TOTAL
P.1395	P.1556

FAI/LIC-70.0.00/0.00

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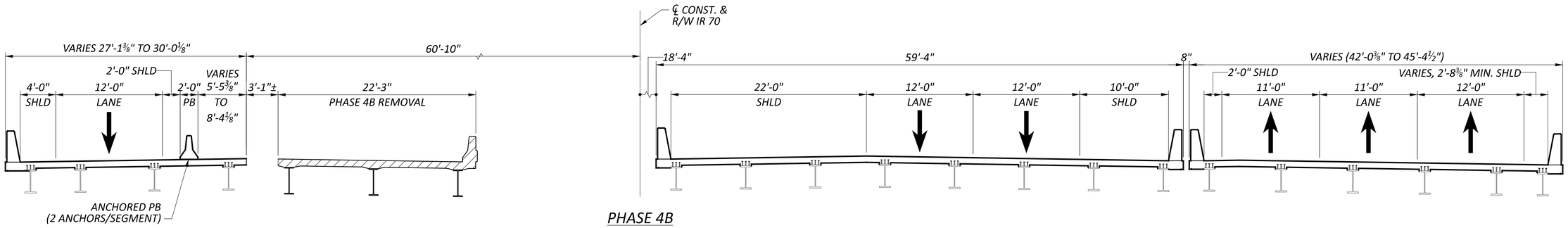
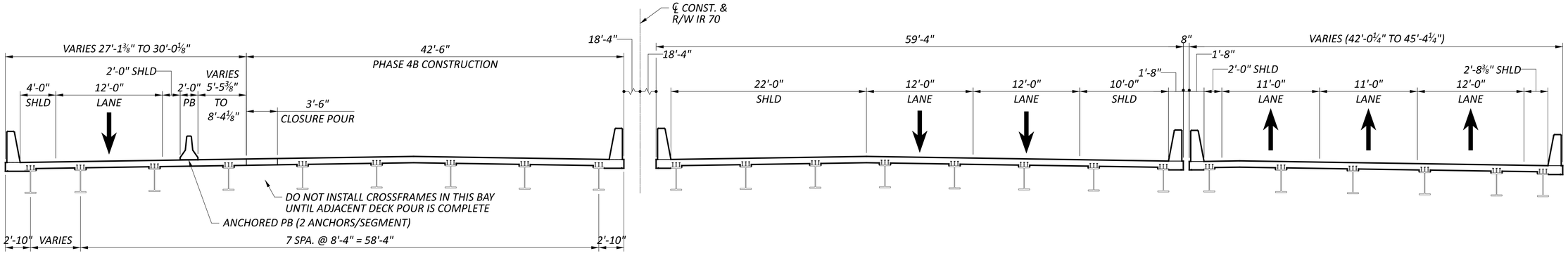


PHASE 4B
REMOVAL



PHASE 4B
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4B:

1. INSTALL PORTABLE BARRIER AS SHOWN IN THE MOT PLANS.
2. REMOVE REMAINING PORTIONS OF THE EX. WB STRUCTURE.
3. CONSTRUCT REMAINING PORTION OF WB STRUCTURE AND MSE WALL OTHER THAN DECK AND DIAPHRAGM CLOSURE POUR.
4. INSTALL CROSSFRAMES IN BAY 4 AND PLACE CLOSURE POUR.

LEGEND

▨ LIMITS OF REMOVAL PER ITEM 202

NOTES:

1. SEE MOT PLANS FOR ADDITIONAL INFORMATION AND FOR PB QUANTITIES.
2. PORTABLE BARRIER ANCHOR HOLES IN NEW CONCRETE DECK TO BE FILLED WITH NONSHRINK, NONMETALLIC GROUT PER ITEM 510 AND SEAL WITH HMWM. PAYMENT TO BE INCLUDED WITH ITEM 614, MAINTANING TRAFFIC.

PHASE CONSTRUCTION DETAILS - 3
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	8
TOTAL	34
SHEET	P.1396
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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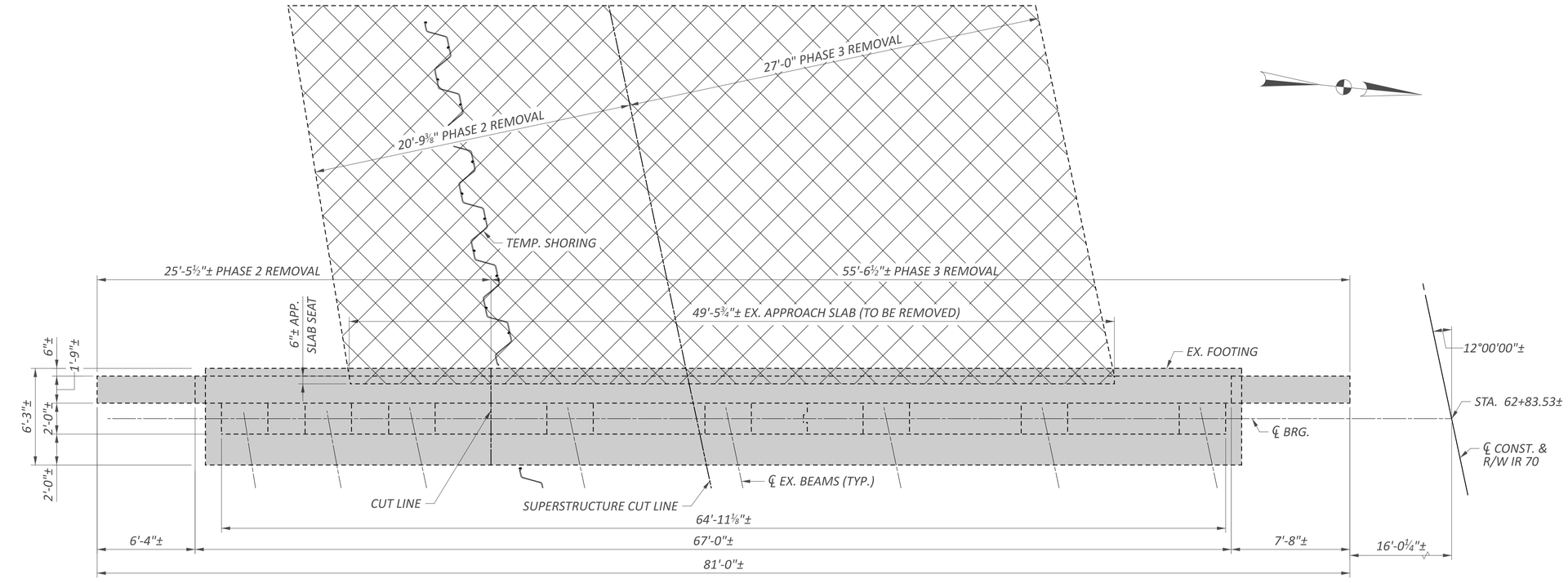
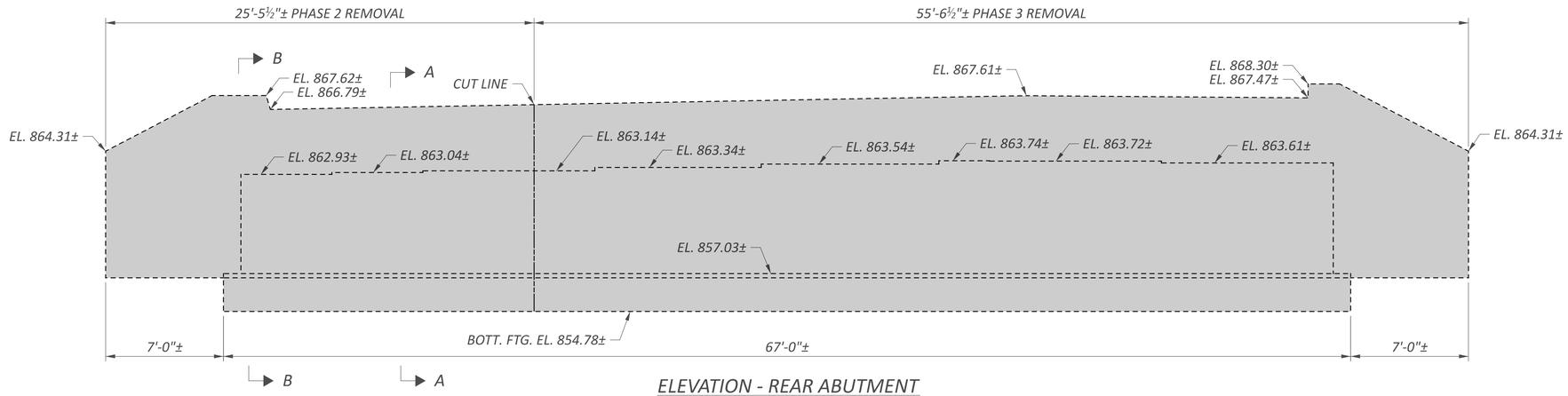


PLAN - REAR ABUTMENT



ELEVATION - REAR ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 11/34.

REMOVAL DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
9	34

SHEET	TOTAL
P.1397	P.1556

FAI/LIC-70.0.00/0.00

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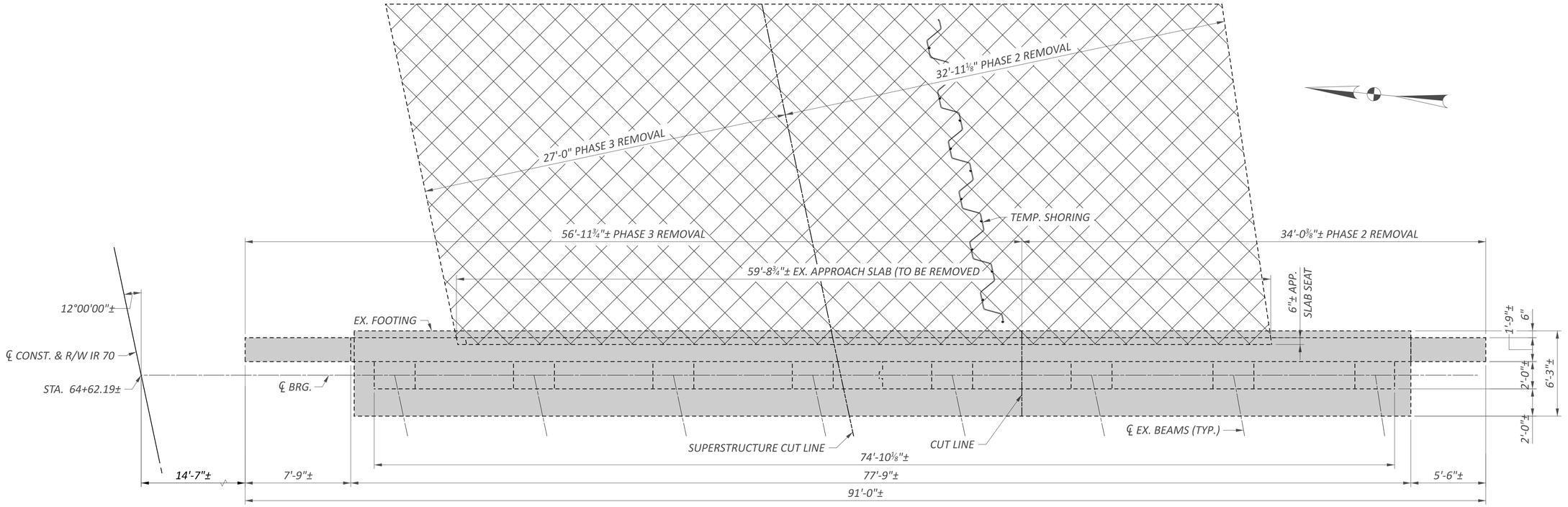
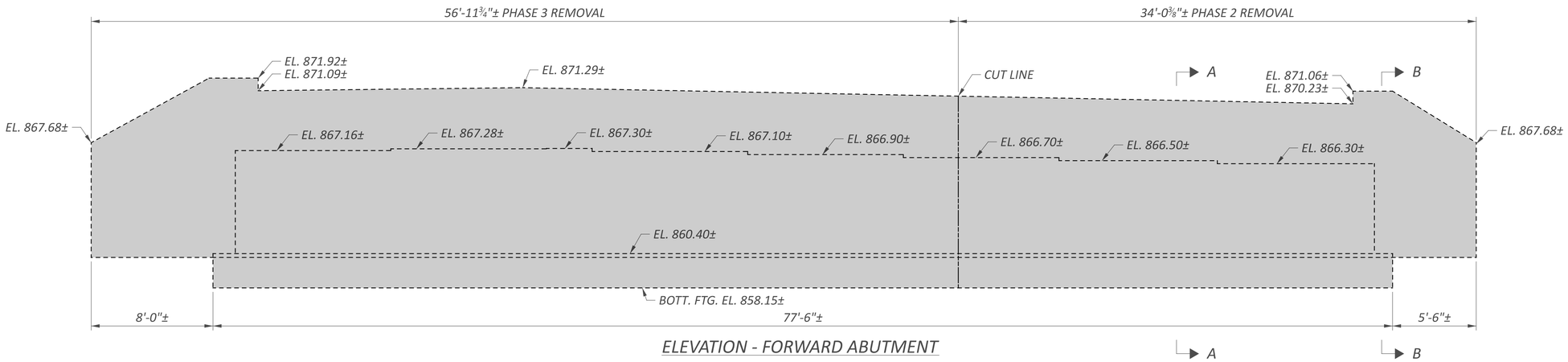


PLAN - FORWARD ABUTMENT



ELEVATION - FORWARD ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLANS.

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 11/34.

REMOVAL DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC

DESIGNER	CHECKER
SJF	ABD

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET	TOTAL
10	34

SHEET	TOTAL
P.1398	P.1556

FAI/LIC-70.0.00/0.00

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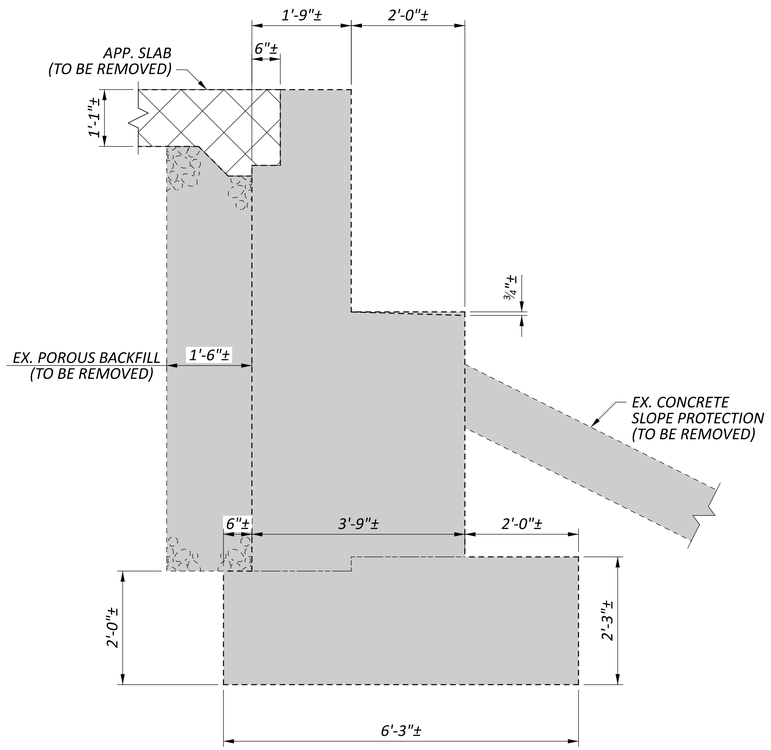
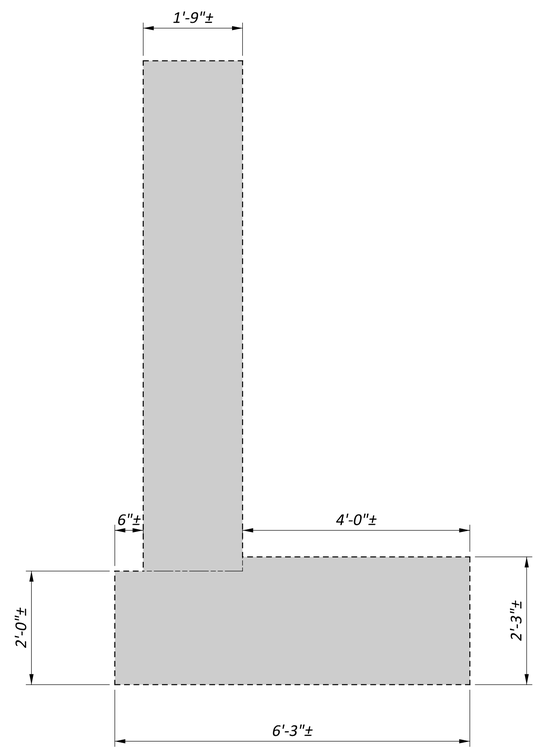


SECTION A-A



SECTION B-B

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

REMOVAL DETAILS - 3
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	11
TOTAL	34
SHEET	P.1399
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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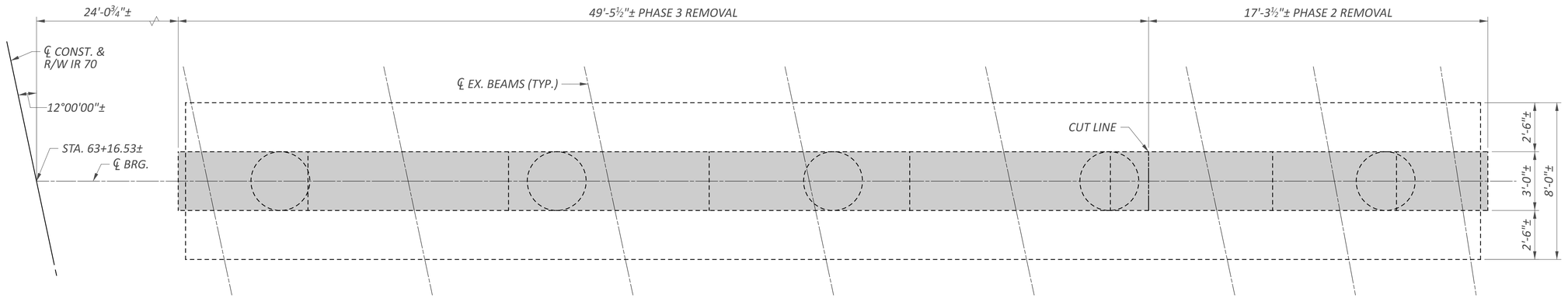
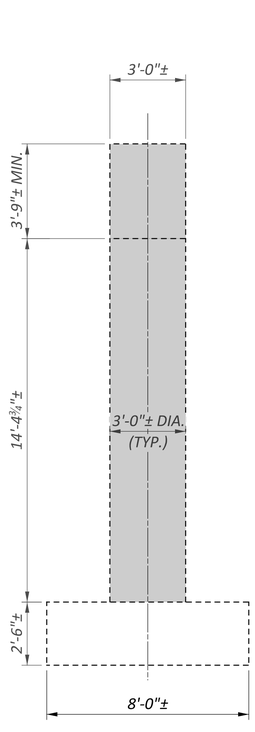
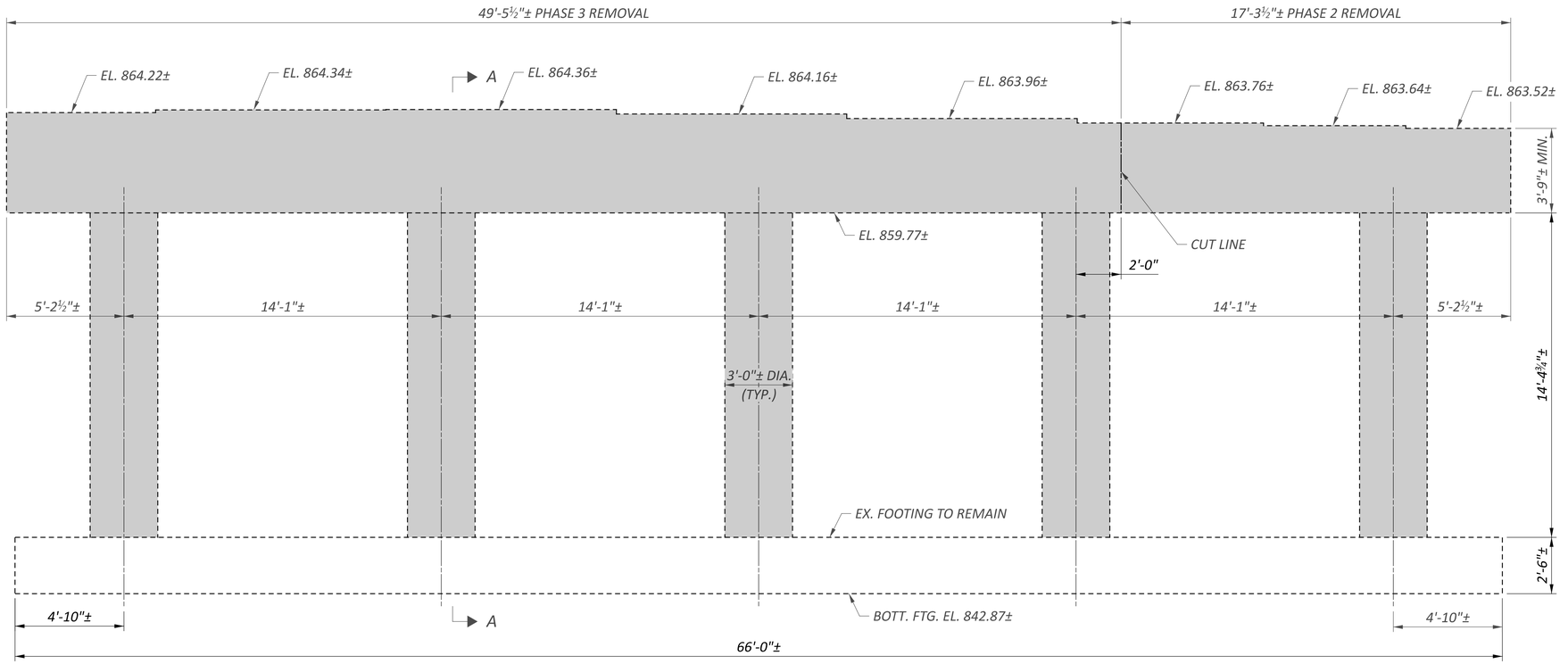


PLAN - PIER 1



SECTION A-A



ELEVATION - PIER 1

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

REMOVAL DETAILS - 4
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 12 | TOTAL 34
SHEET P.1400 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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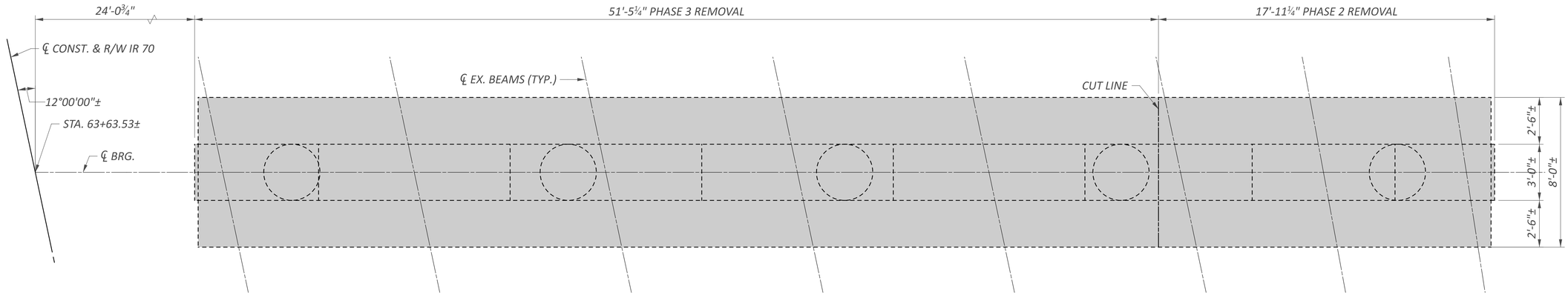
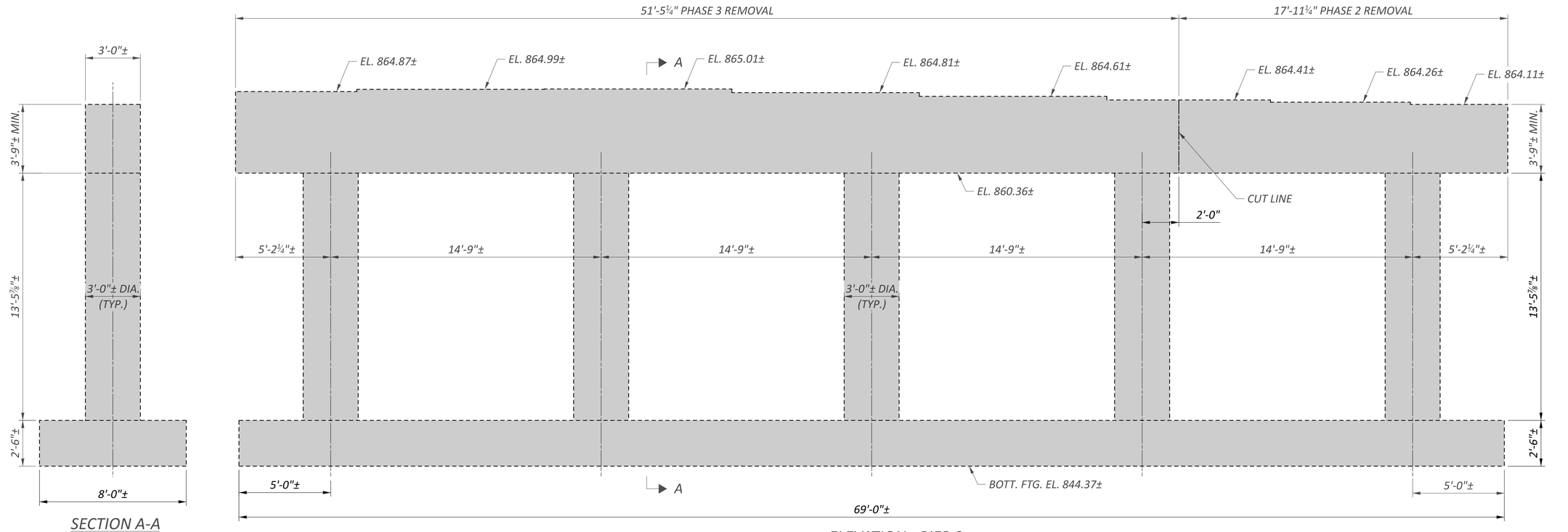


PLAN - PIER 2



SECTION A-A

ELEVATION - PIER 2

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN.

REMOVAL DETAILS - 5
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	WEIDLER STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	13
TOTAL	34
SHEET	P.1401
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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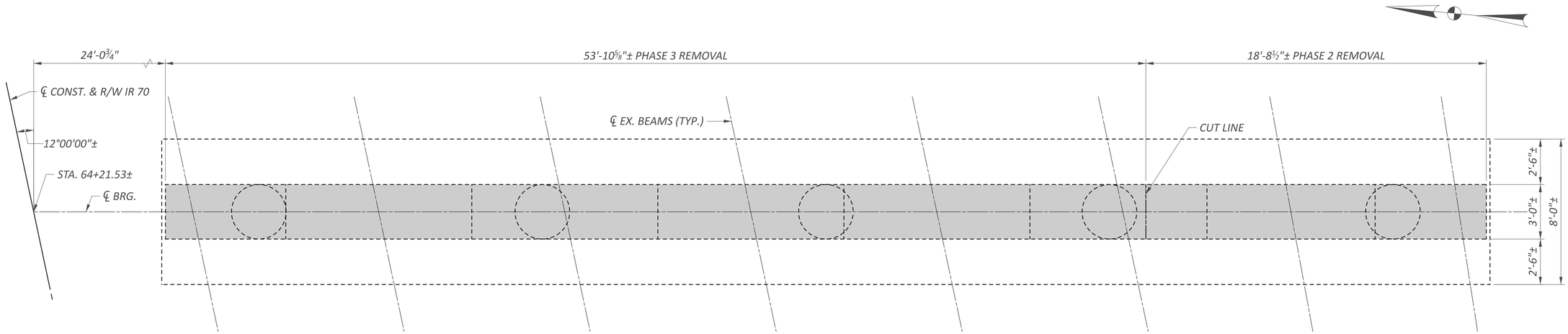
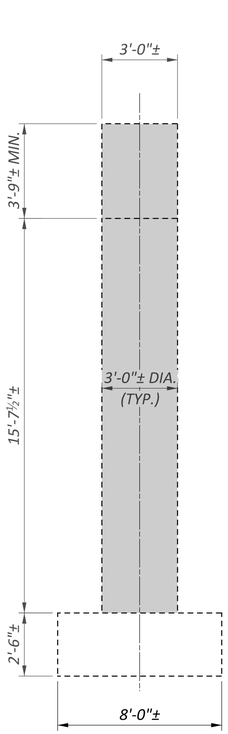
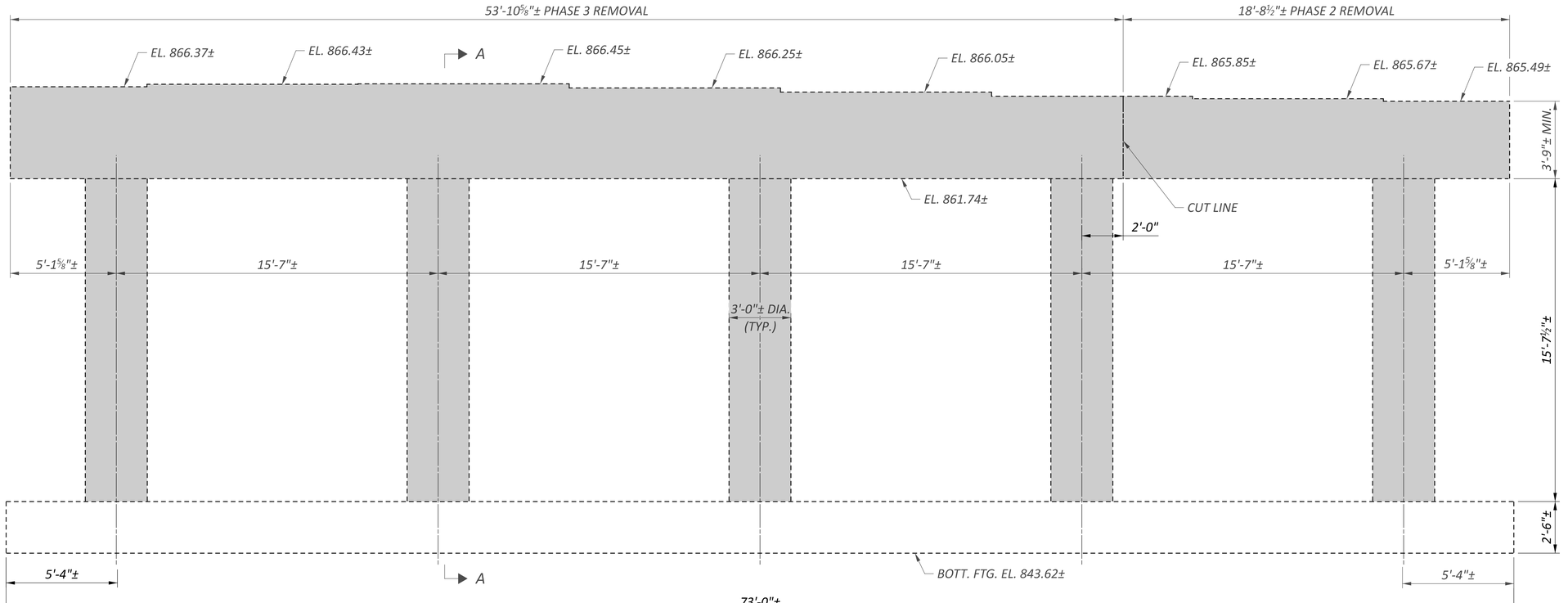


PLAN - PIER 3



SECTION A-A



ELEVATION - PIER 3

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

REMOVAL DETAILS - 6
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
14	34

SHEET	TOTAL
P.1402	P.1556

FAI/LIC-70.0.00/0.00

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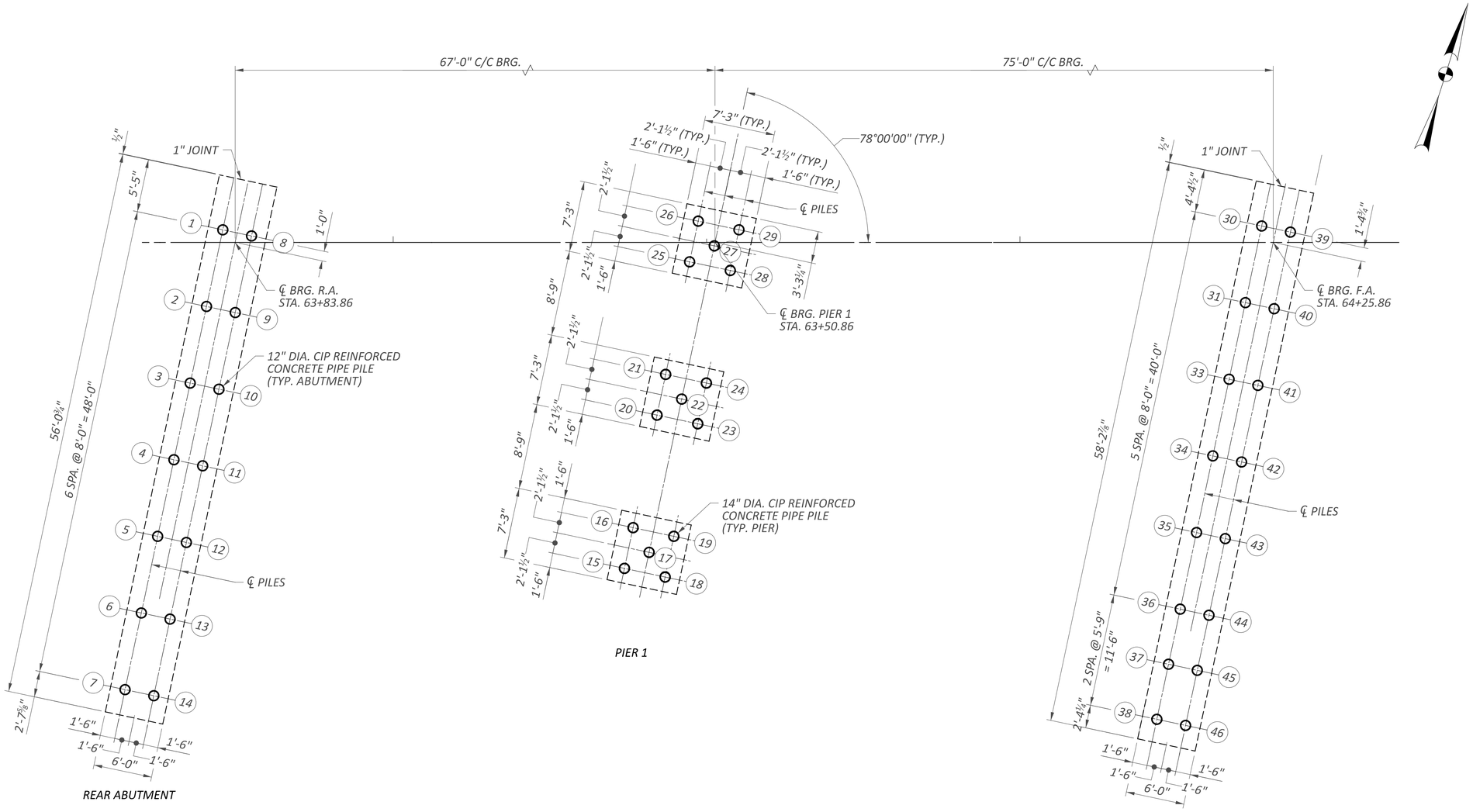

FOUNDATION PLAN

FAI/LIC-70.0.00/0.00

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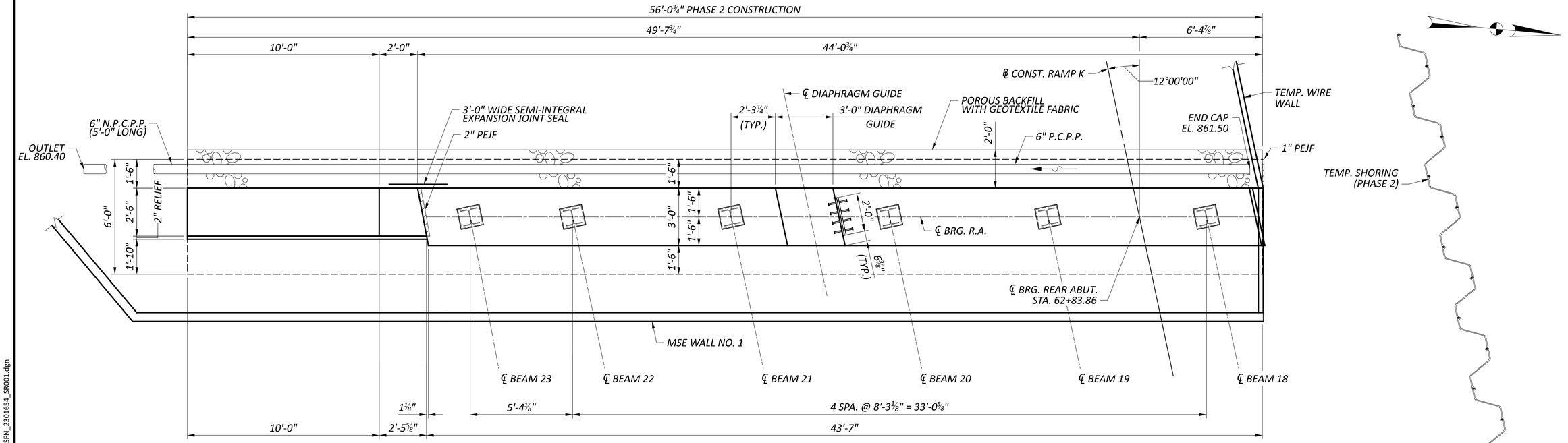
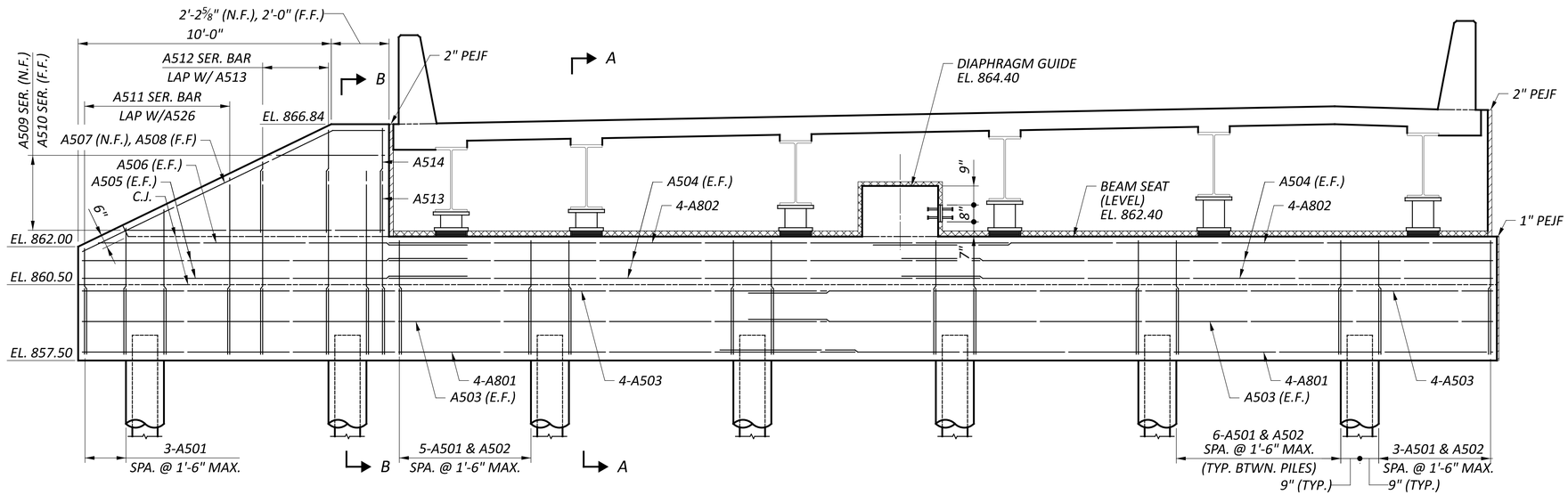
FOUNDATION PLAN
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 15 | TOTAL 34
SHEET P.1403 | TOTAL P.1556



PLAN - REAR ABUTMENT
PHASE 2



ELEVATION - REAR ABUTMENT
PHASE 2

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 15/34.
2. FOR SECTION A-A & B-B, SEE SHEET 18/34.
3. FOR ADDITIONAL ABUTMENT DIAPHRAGM GUIDE DETAILS, SEE STD. DWG SICD-2-14.

REAR ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 16 | TOTAL 34
SHEET P.1404 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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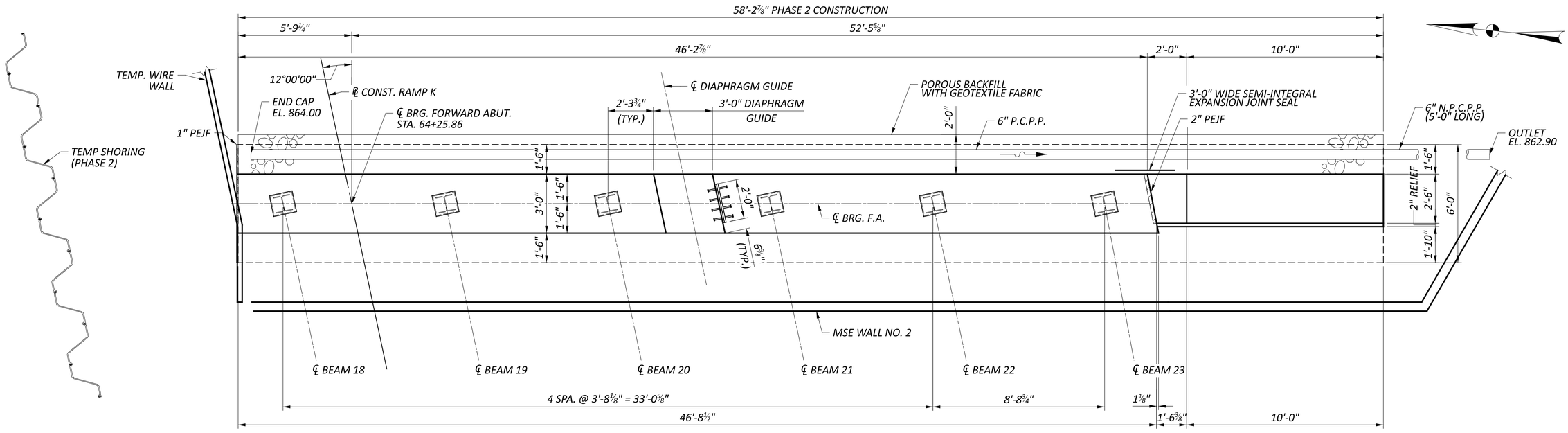
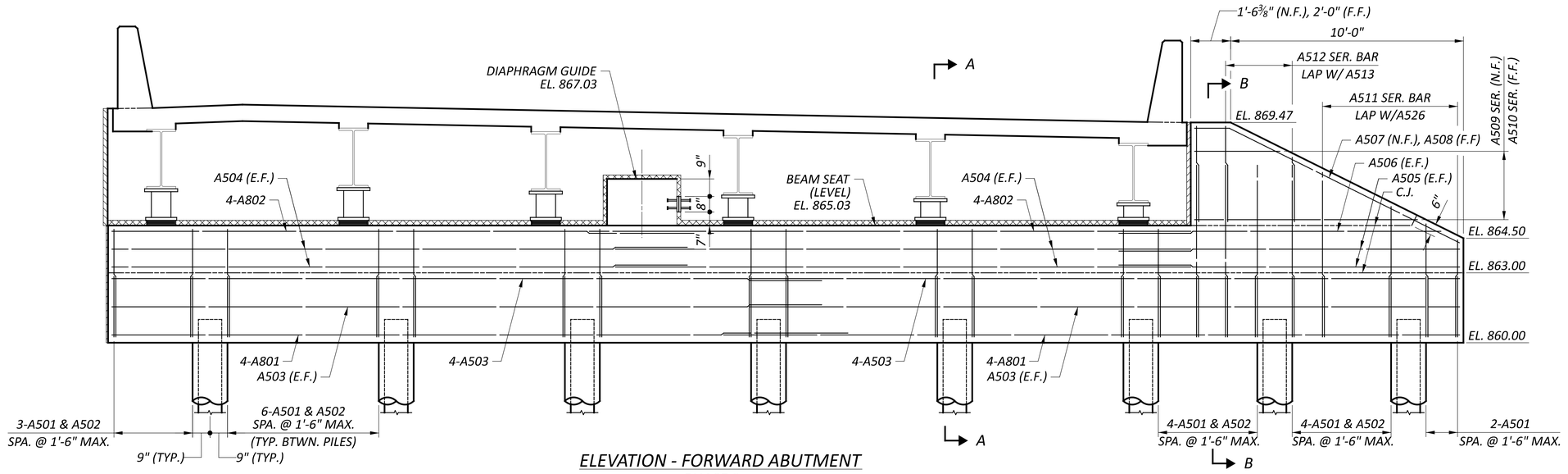


PLAN - FORWARD ABUTMENT
PHASE 2



ELEVATION - FORWARD ABUTMENT
PHASE 2

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 15/34.
2. FOR SECTION A-A & B-B, SEE SHEET 18/34.
3. FOR ADDITIONAL ABUTMENT DIAPHRAGM GUIDE DETAILS, SEE STD. DWG SICD-2-14.

FORWARD ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 17 | TOTAL 34
SHEET P.1405 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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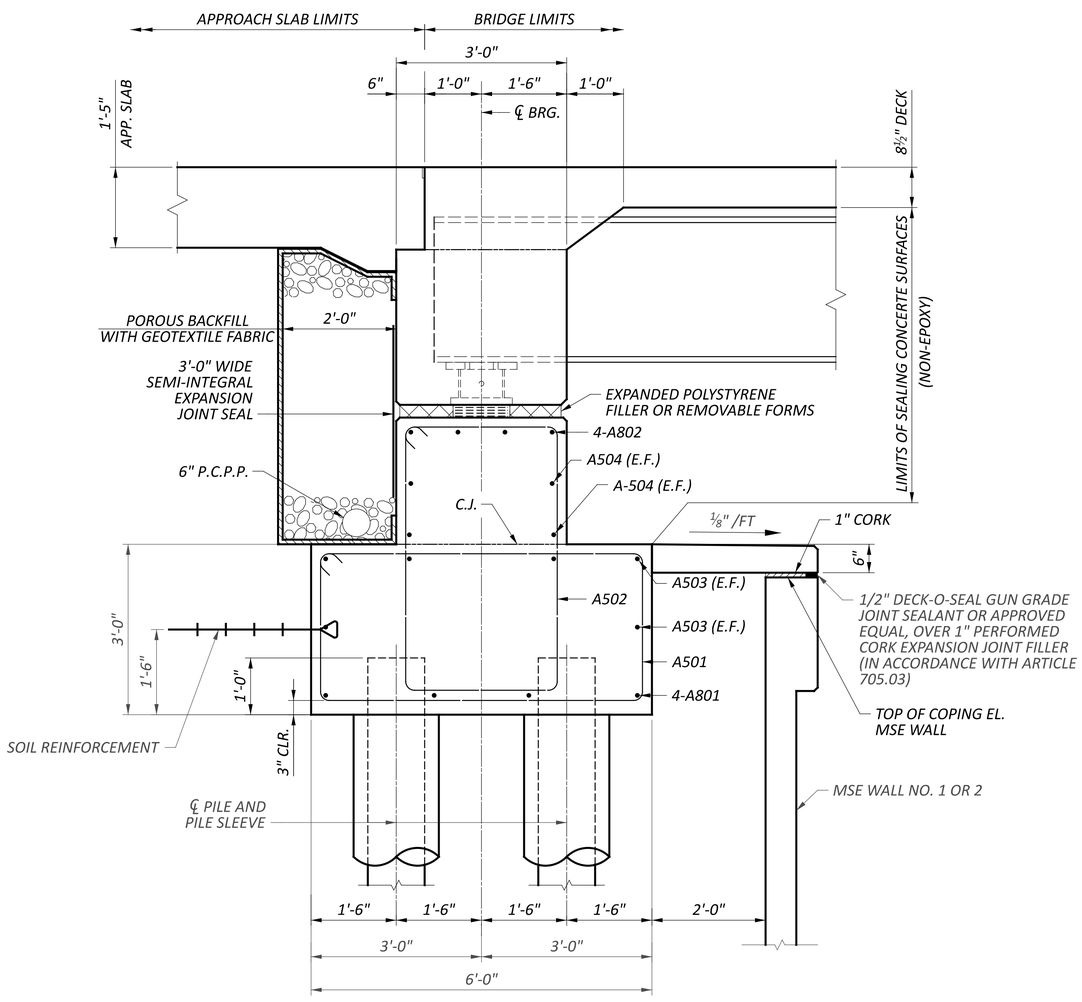
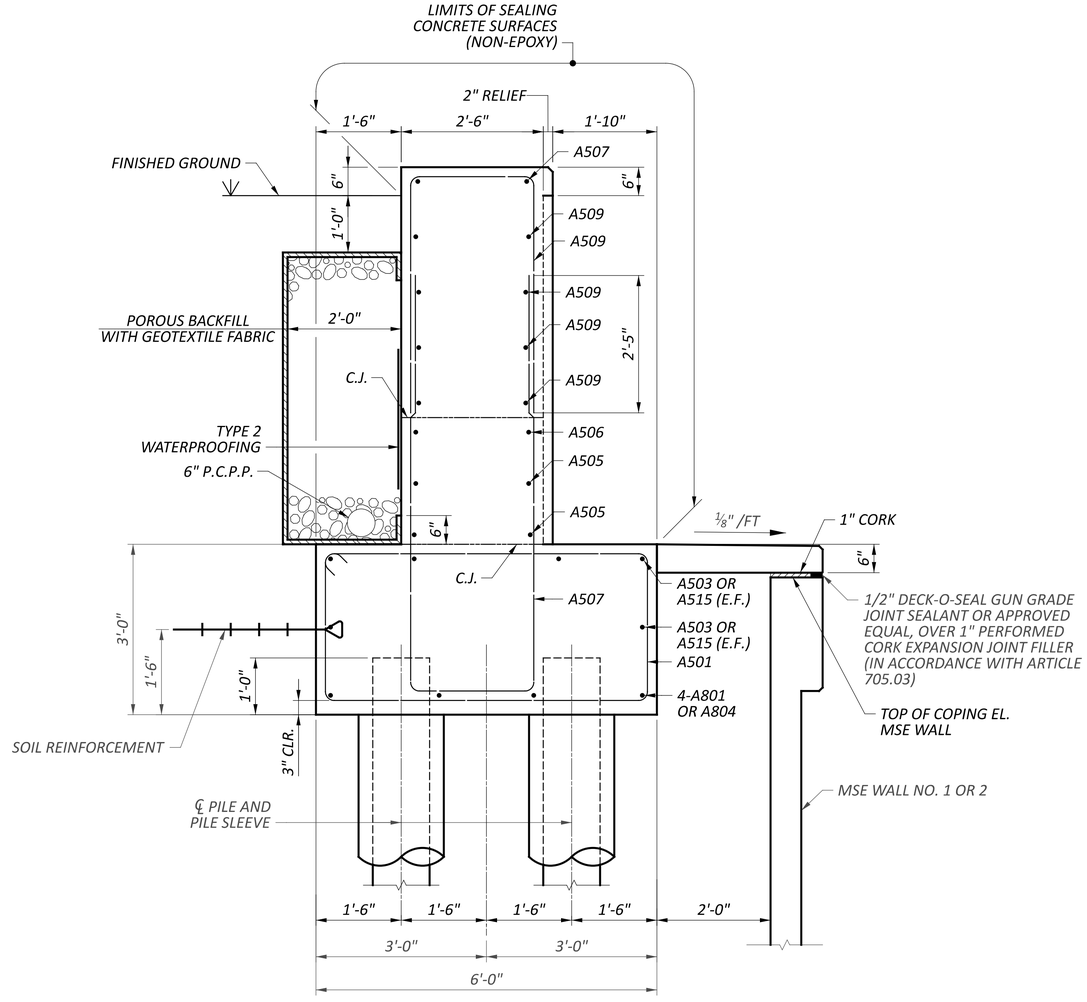


SECTION A-A



SECTION B-B

ABUTMENT DETAILS
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	18
TOTAL	34
SHEET	P.1406
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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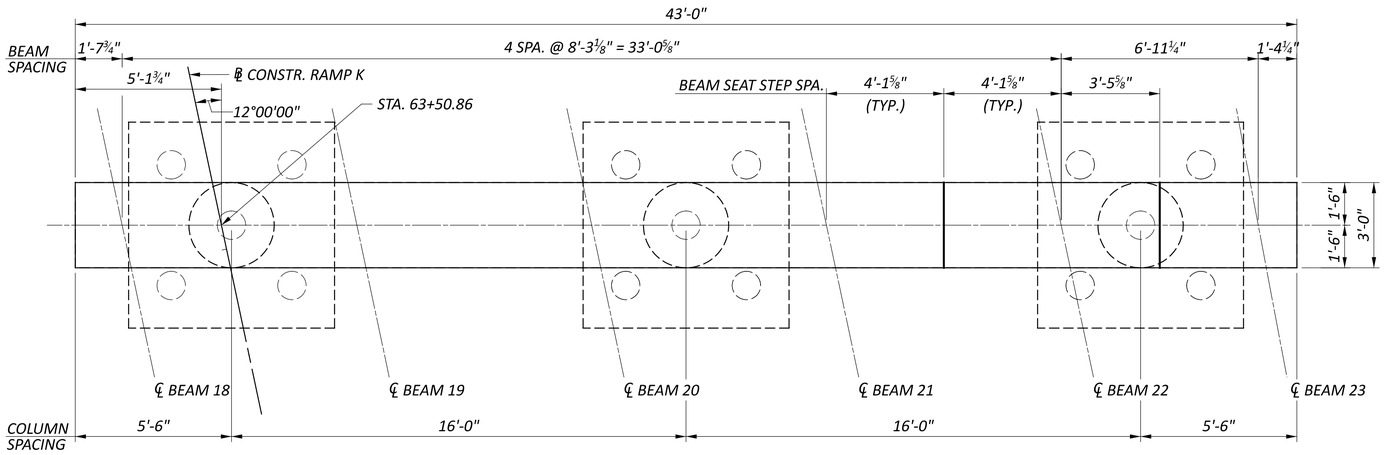
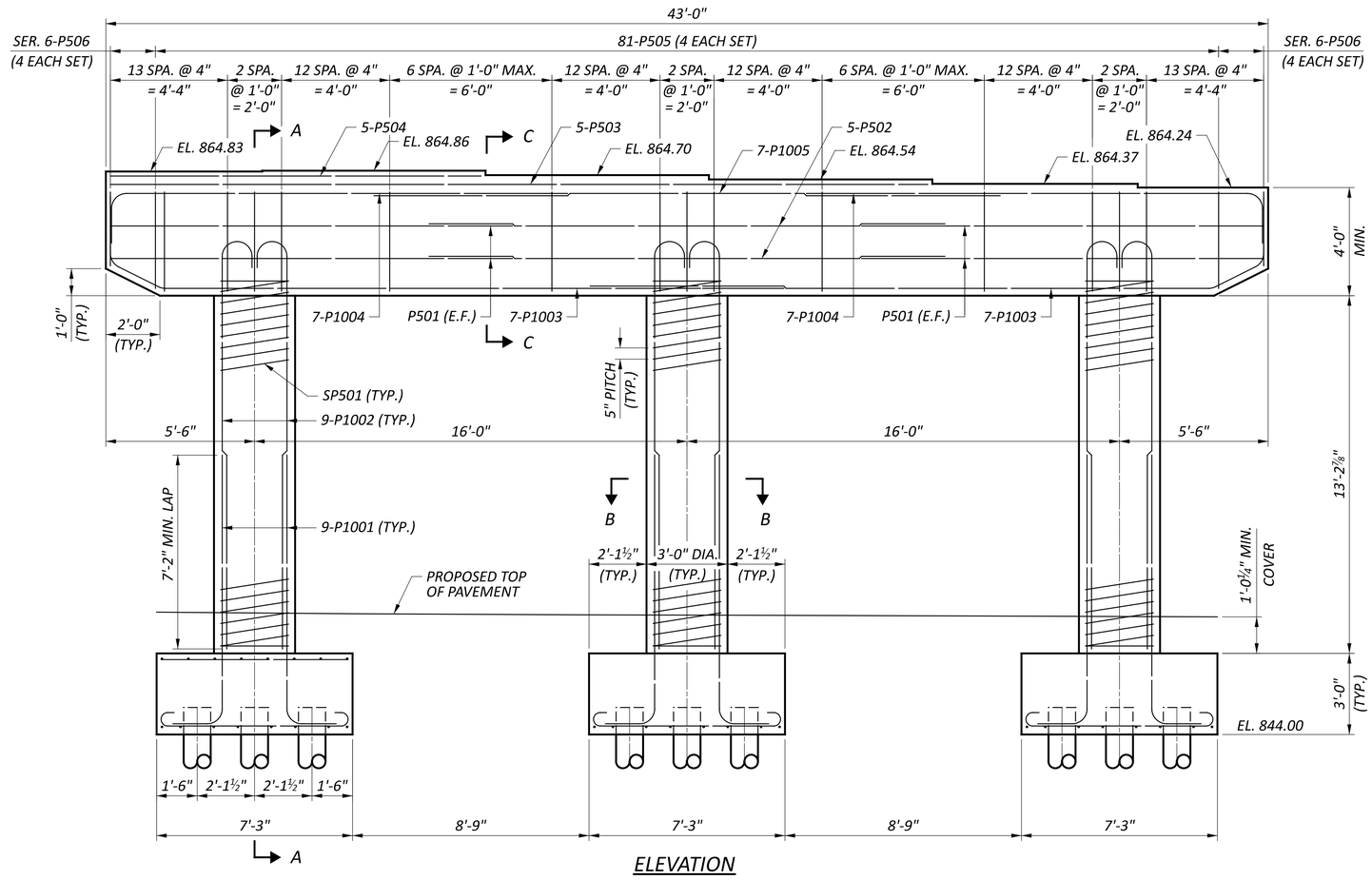


PLAN



ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#10	7'-2"

NOTES:

1. FOR SECTION A-A, B-B AND C-C, SEE SHEET 20/34.

PIER DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER PEG | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 19 | TOTAL 34
SHEET P.1407 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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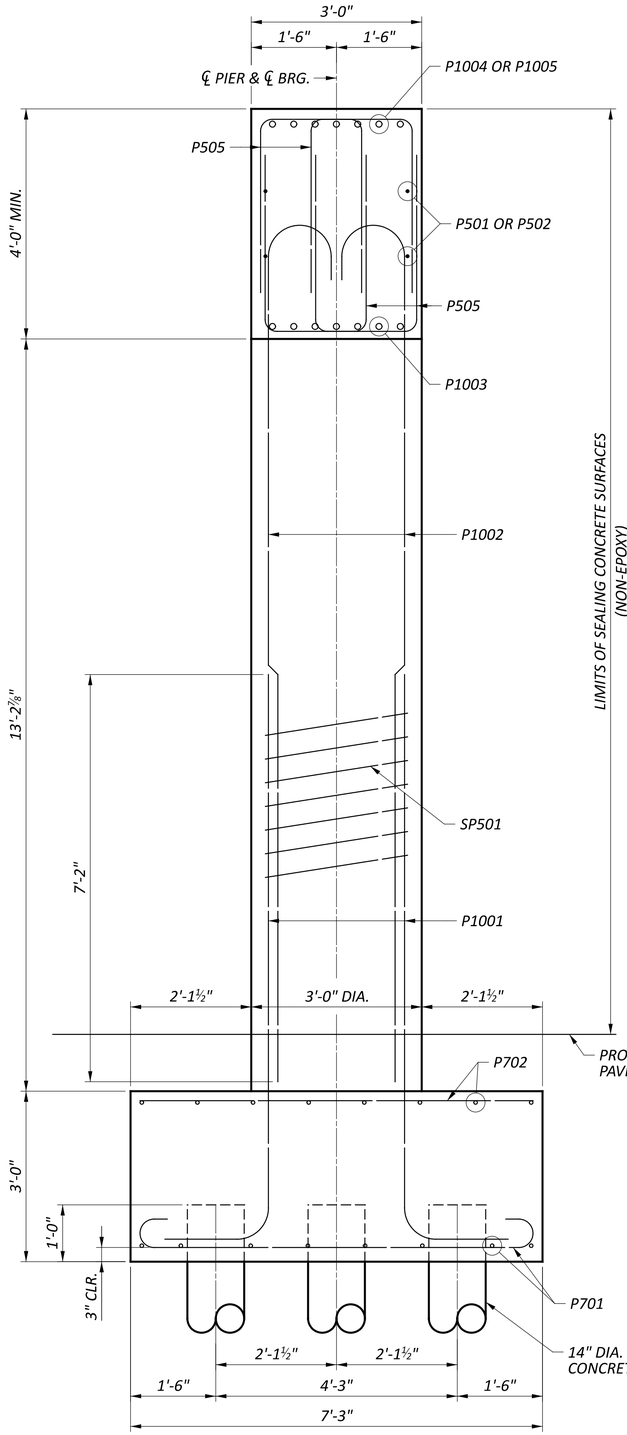
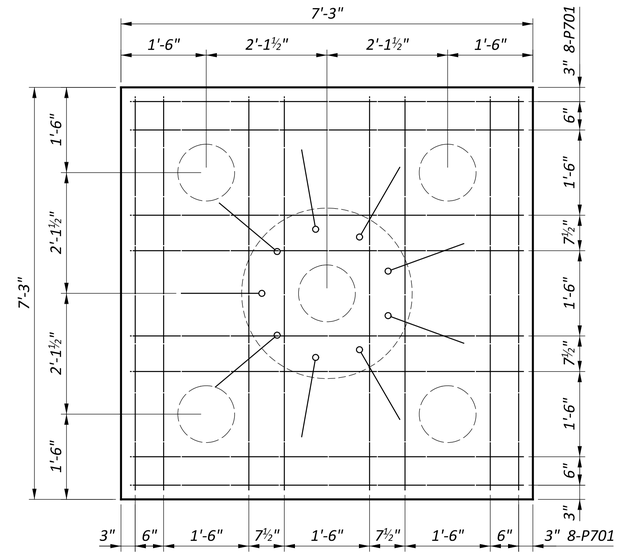
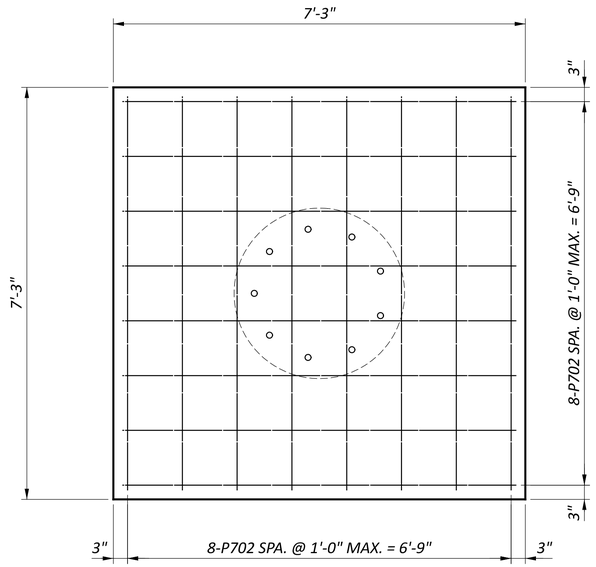


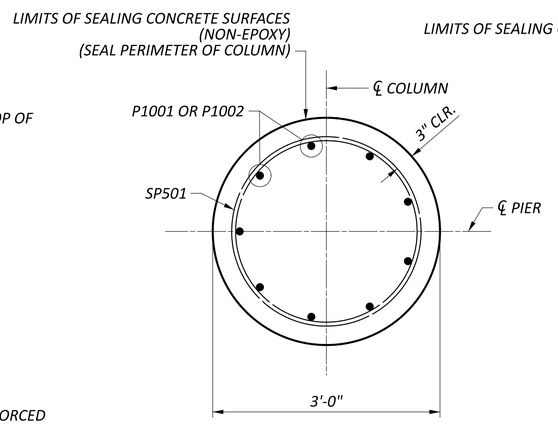
SECTION A-A



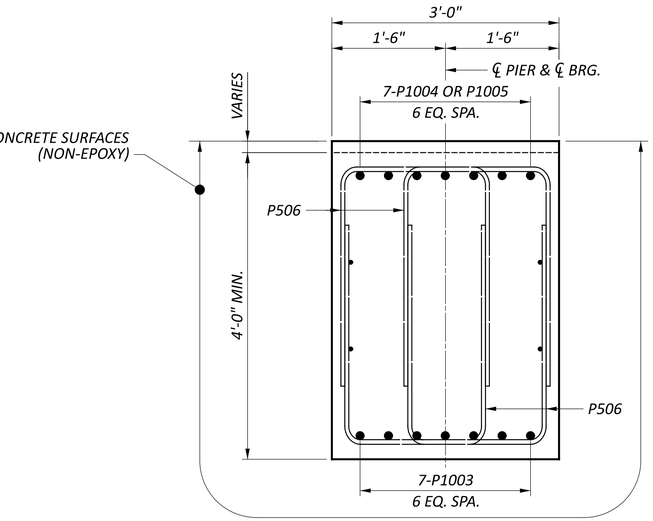
FOOTING PLAN (BOTTOM MAT)
(TYP. ALL FOOTINGS)



FOOTING PLAN (TOP MAT)
(TYP. ALL FOOTINGS)



SECTION B-B



SECTION C-C

PIER DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER PEG | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 20 | TOTAL 34
SHEET P.1408 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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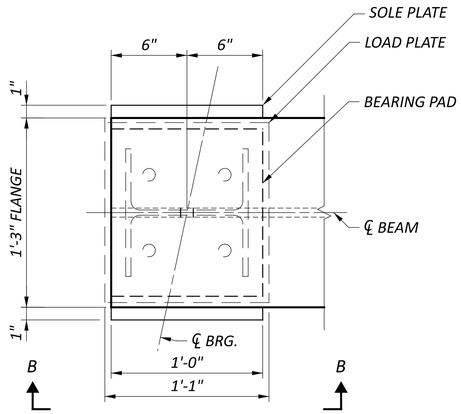
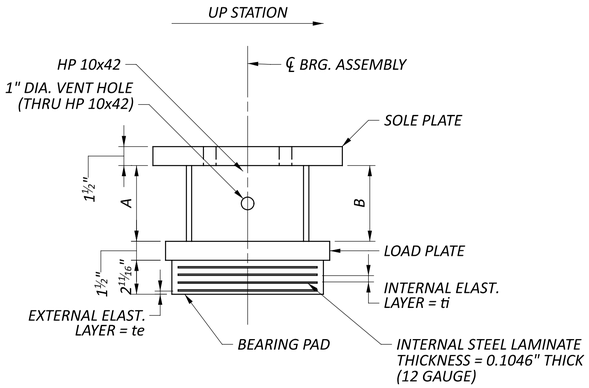
BEARING SCHEDULE

BEAM NO.	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	STEEL LOAD PLATE L x W x T	STEEL SLOE PLATE L x W x T
18-23	REAR ABUT.	EXPANSION	6	1'-0"x1'-3"x2 11/16"	4	0.5"	4	0.25"	1	1'-1"x1'-4"x1 1/2"	1'-0"x1'-5"x1 1/2"
18-23	FWD. ABUT.	EXPANSION	6	1'-0"x1'-3"x2 11/16"	4	0.5"	4	0.25"	1	1'-1"x1'-4"x1 1/2"	1'-0"x1'-5"x1 1/2"

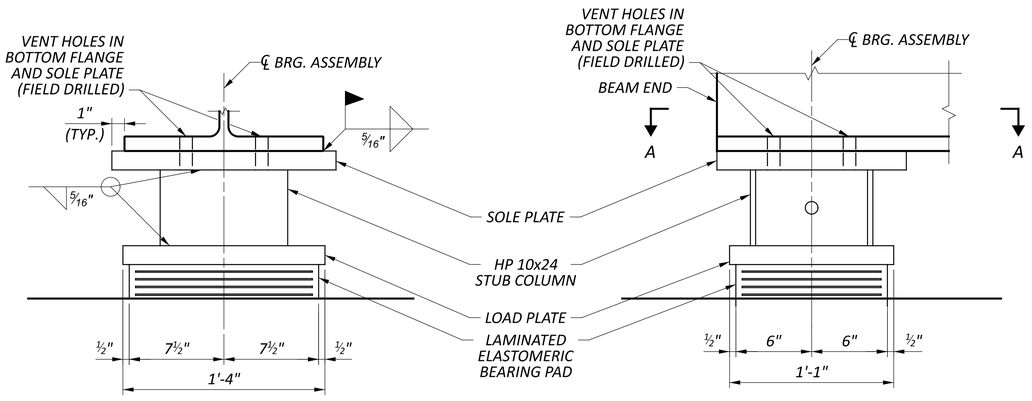


SECTION A-A



SECTION B-B

FAI-00070-01190 CD HP HEIGHT (INCH)				
	REAR ABUT		FWD. ABUT	
	A	B	A	B
BEAM 18	1' - 0 3/4"	1' - 0 15/16"	1' - 1 1/4"	1' - 1 7/16"
BEAM 19	1' - 1 1/8"	1' - 1 5/16"	1' - 1 11/16"	1' - 1 13/16"
BEAM 20	11 1/8"	11 5/16"	11 3/4"	11 15/16"
BEAM 21	9 1/8"	9 3/8"	9 13/16"	10"
BEAM 22	7 3/16"	7 3/8"	7 15/16"	8 1/8"
BEAM 23	5 15/16"	6 1/16"	5 15/16"	6 1/16"



EXPANSION BEARINGS AT ABUTMENTS

UNFACTORED BEARING LOADS (KIP)		
	R.A.	F.A.
DEAD LOAD	54.4	63.1
LIVE LOAD	61.7	63.7
TOTAL LOAD	116.1	126.8

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES, AND ROLLED SHAPES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL SOLE PLATES, HP SECTIONS AND LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, SHALL INCLUDE ALL LABOR, MATERIALS, FABRICATION, LOAD PLATE, SOLE PLATE, HP SHAPE, PAINTING, FIELD DRILLING VENT HOLES AND EQUIPMENT NECESSARY TO COMPLETE THE BEARINGS IN PLACE.
4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 21 | TOTAL 34
SHEET P.1409 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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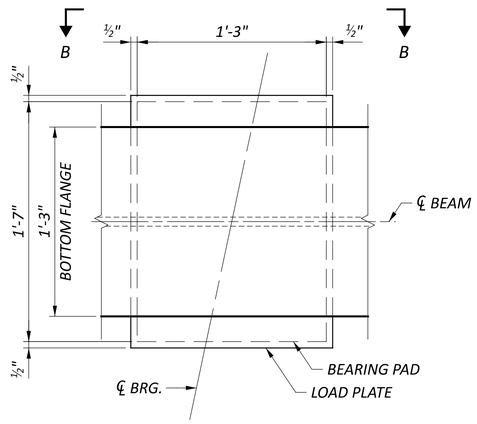
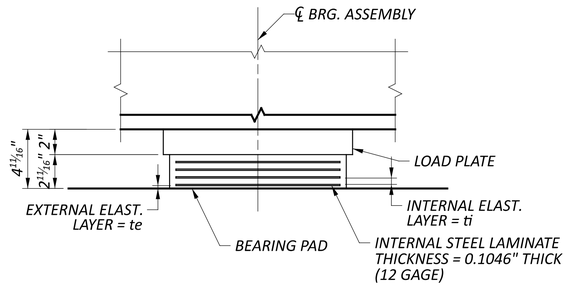
BEARING SCHEDULE

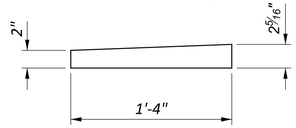
BEAM NO.	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	STEEL LOAD PLATE L x W x T
18-23	PIER 1	EXPANSION	6	1'-3"x1'-7"x2 11/16"	4	0.5"	4	0.25"	1	1'-4"x1'-8"x2"



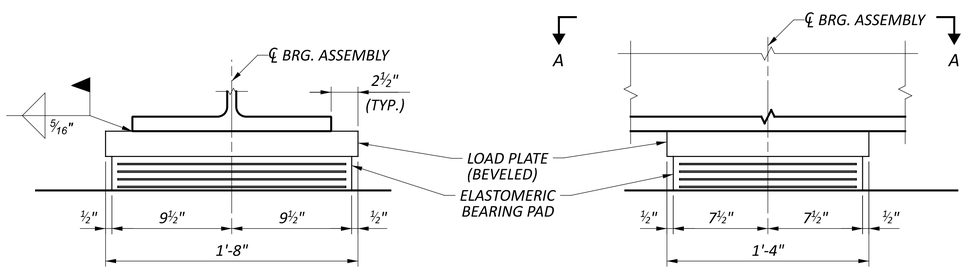
SECTION A-A



SECTION B-B



PIER NO. 1 BEVELED LOAD PLATE



EXPANSION BEARINGS AT PIER 1

UNFACTORED BEARING LOADS (KIP)	
	PIER NO. 1
DEAD LOAD	158.6
LIVE LOAD	115.4
TOTAL LOAD	274.0

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER DAS | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 22 | TOTAL 34
SHEET P.1410 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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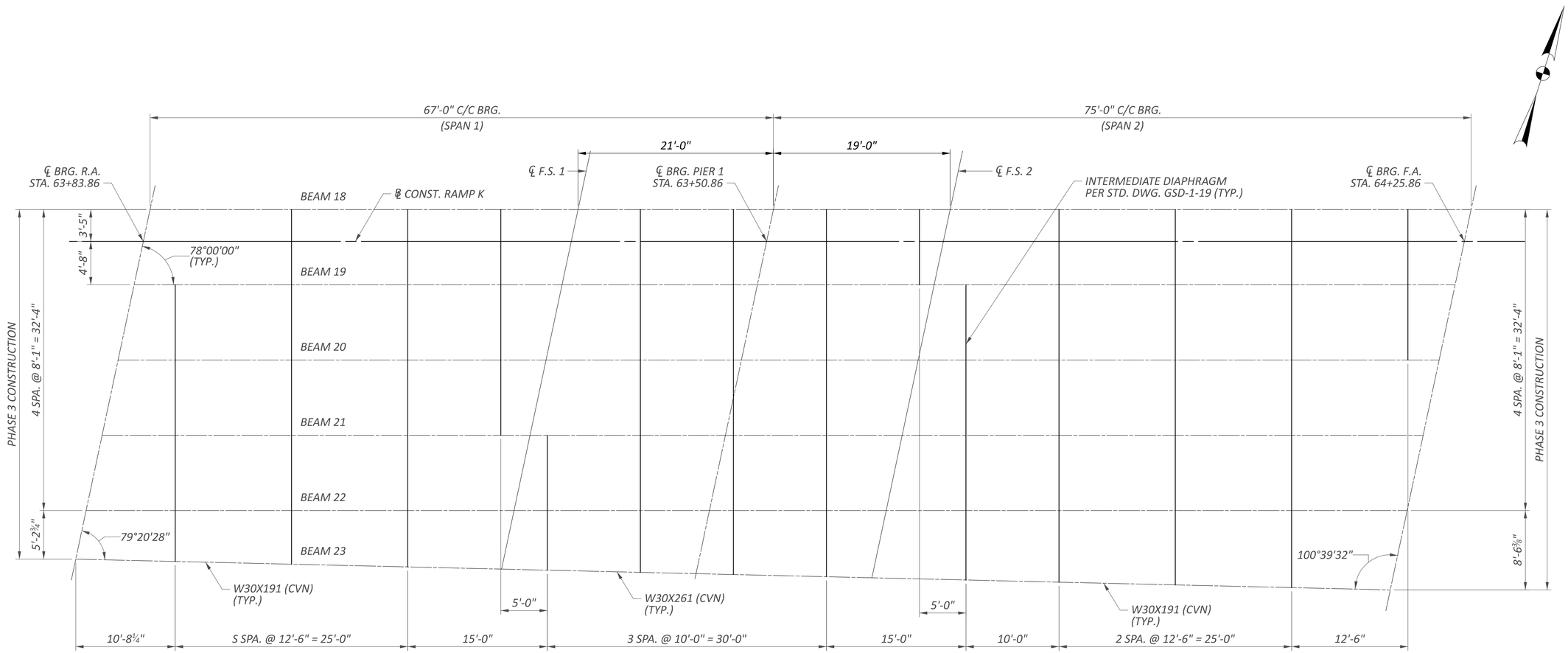

FRAMING PLAN - CD

NOTES:

1. *FOR BEAM DETAILS, SEE SHEET 24 & 25/34.*
2. *ALL STRUCTURAL STEEL TO BE ASTM A709 GRADE 50, WITH THREE-COAT PAINT COATING SYSTEM.*

FRAMING PLAN
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	PEG
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	23
TOTAL	34
SHEET	P.1411
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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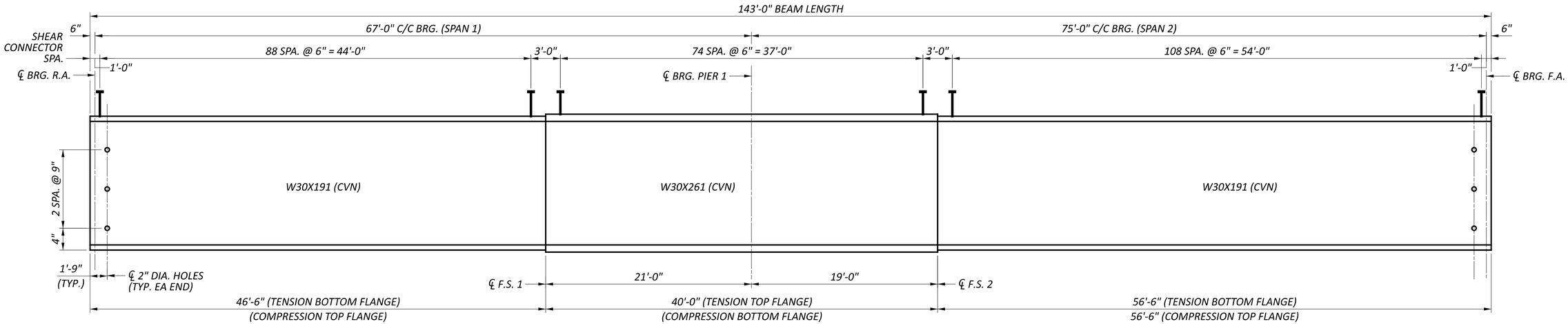
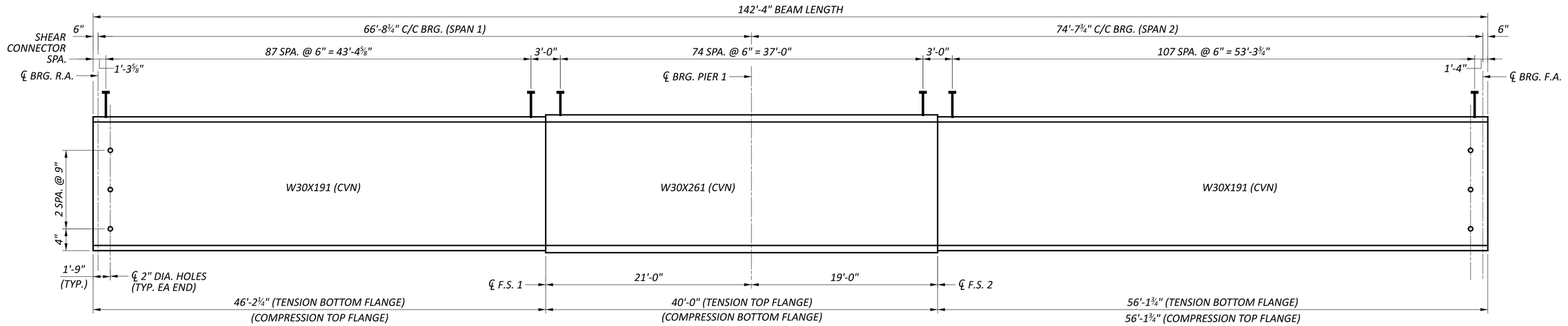
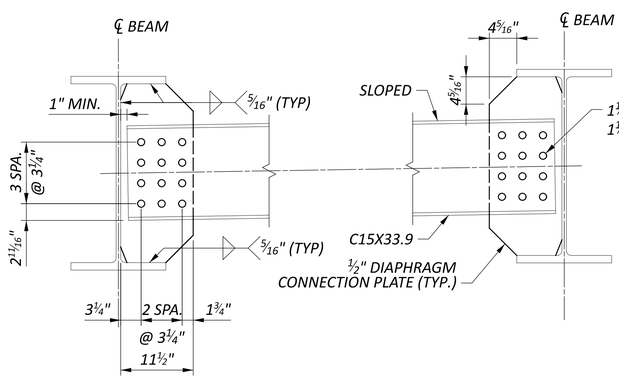


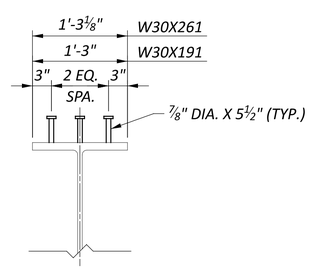
BEAMS 18-22 ELEVATION



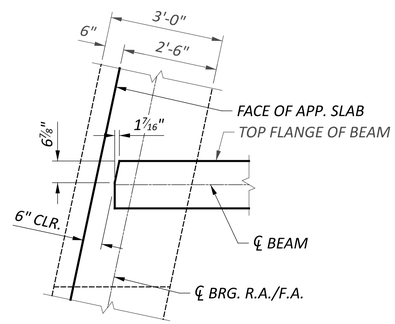
BEAM 23 ELEVATION



INTERMEDIATE DIAPHRAGM DETAIL



TYPICAL SHEAR CONNECTOR DETAIL



BEAM CLIP DETAIL

NOTES:

1. FOR ADDITIONAL INTERMEDIATE DIAPHRAGM DETAILS, SEE STANDARD DRAWING GSD-1-19
2. CVN: WHERE A SHAPE OR PLATE IS DESIGNATED (CVN), FURNISHED MATERIAL THAT MEETS THE MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN C&MS 711.01.
3. HIGH STRENGTH BOLTS SHALL BE 1" DIA. TYPE 1 GALVANIZED A325 BOLTS UNLESS OTHERWISE NOTED.
4. WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS OF THE FASCIA STRINGER FLANGES DESIGNATED "COMPRESSION". DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM EDGE OF FLANGE, BE NO MORE THAN 2" LONG, AND BE AT LEAST ¼" FOR THICKNESS UP TO ¾" OR 5/16" FOR GREATER THAN ¾" THICK.

BEAM DETAILS - 1

BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	SJF
CHECKER	PEG
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	24
TOTAL	34
SHEET	P.1412
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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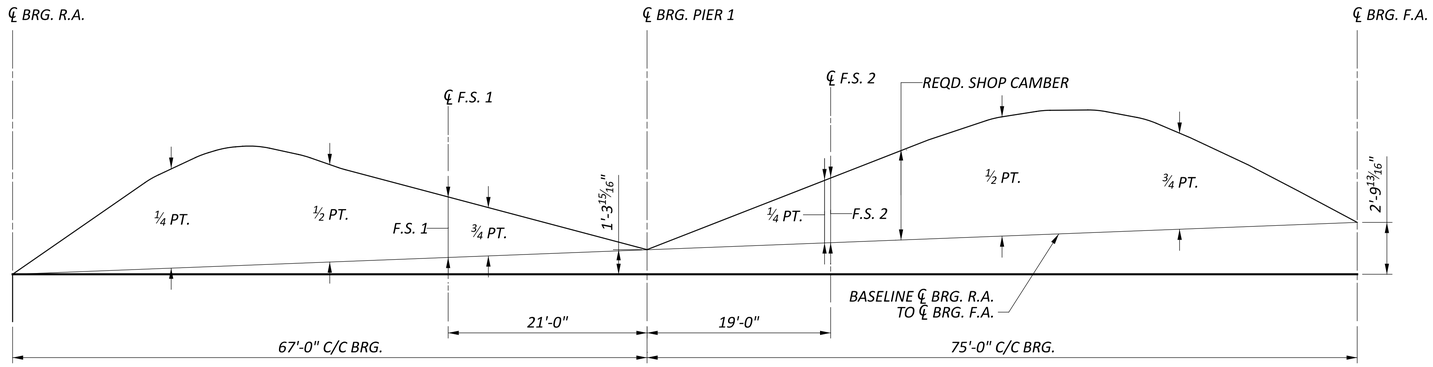
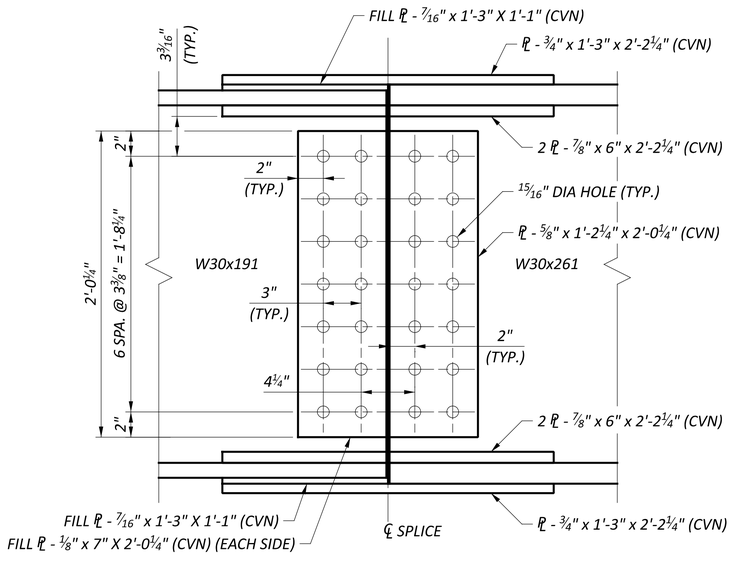
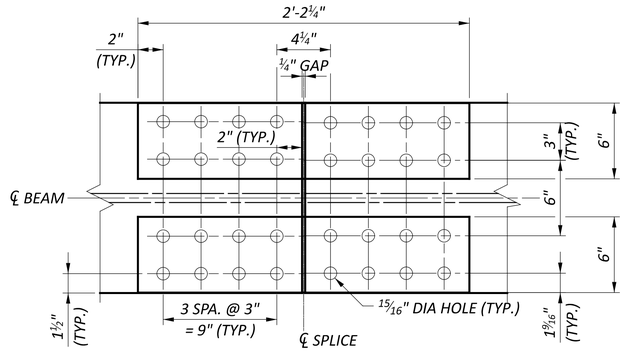
STRUCTURAL STEEL DEFLECTION & CAMBER TABLE (BEAMS 18 -23)											
POINT	CL BRG. R.A.	1/4 POINT	1/2 POINT	F.S. 1	3/4 POINT	CL PIER 1	1/4 POINT	F.S. 2	1/2 POINT	3/4 POINT	CL BRG. F.A.
DEFLECTION DUE TO WEIGHT OF STEEL	0"	1/8"	1/8"	1/16"	1/16"	0"	1/8"	1/8"	1/4"	3/16"	0"
DEFLECTION DUE TO REMAINING DEADLOAD	0"	7/16"	7/16"	1/4"	1/8"	0"	1/2"	9/16"	1 1/16"	7/8"	0"
ADJUSTMENT REQUIRED FOR VERTICAL CURVE	0"	-1/4"	-1/16"	0"	0"	0"	0"	0"	-1/16"	-3/16"	0"
REQUIRED SHOP CAMBER	0"	5/16"	1/2"	5/16"	3/16"	0"	5/8"	11/16"	1 1/4"	7/8"	0"



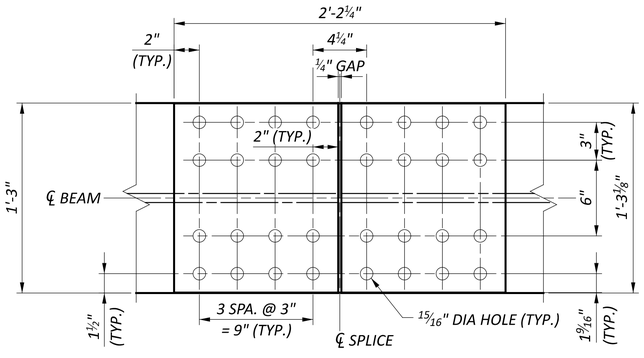
CAMBER AND BLOCKING DIAGRAM - BEAMS 10-17



WEB SPLICE



FLANGE INNER PLATE



FLANGE OUTER PLATE

TYPICAL BEAM FIELD SPLICE DETAILS

NOTES:

1. ALL FIELD SPLICE BOLTS SHALL BE HIGH STRENGTH ⅞" DIA. TYPE 1 GALVANIZED A325 BOLTS.

BEAM DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	PEG
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	25
TOTAL	34
SHEET	P.1413
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/22/2025 TIME: 6:06:21 PM USER: brieder
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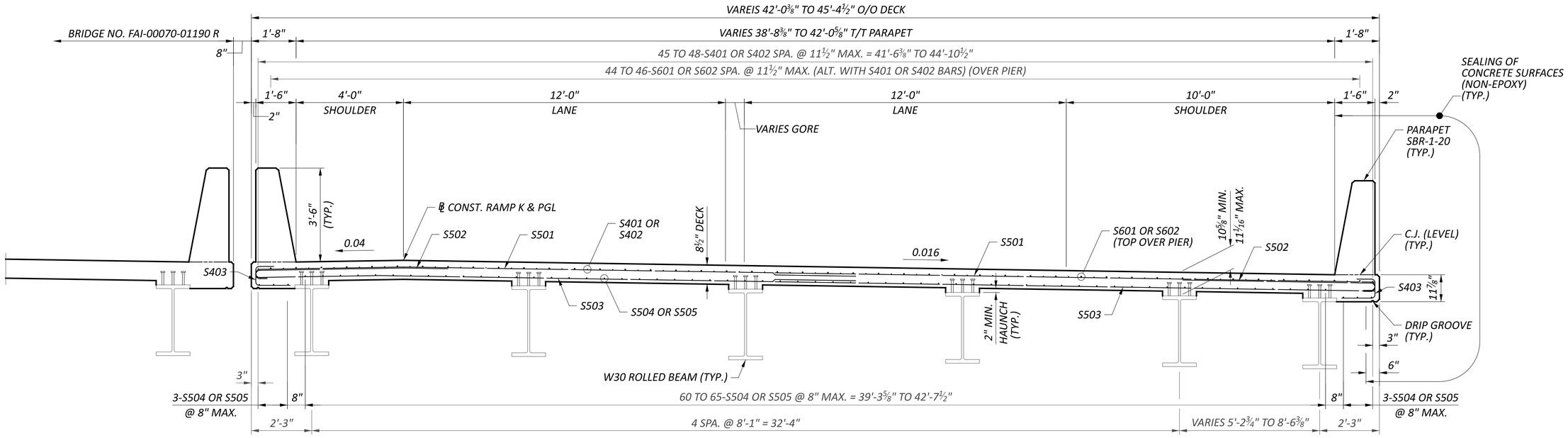

TRANSVERSE SECTION

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

NOTES:

1. THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH BEAM HAUNCH. THE ESTIMATE ASSUMES A CONSTANT HAUNCH THICKNESS OF 2⅜" AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.

   THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF THE BEAM/GIRDER, FROM THE SURFACE OF THE DECK TO THE TOP OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.

TRANSVERSE SECTION
BRIDGE NO. FAI-00070-01190 CD
IR 70 EASTBOUND CD ROAD OVER S.R. 256

SFN 2301654
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER BWJ | CHECKER SJF
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 26 | TOTAL 34
SHEET P.1414 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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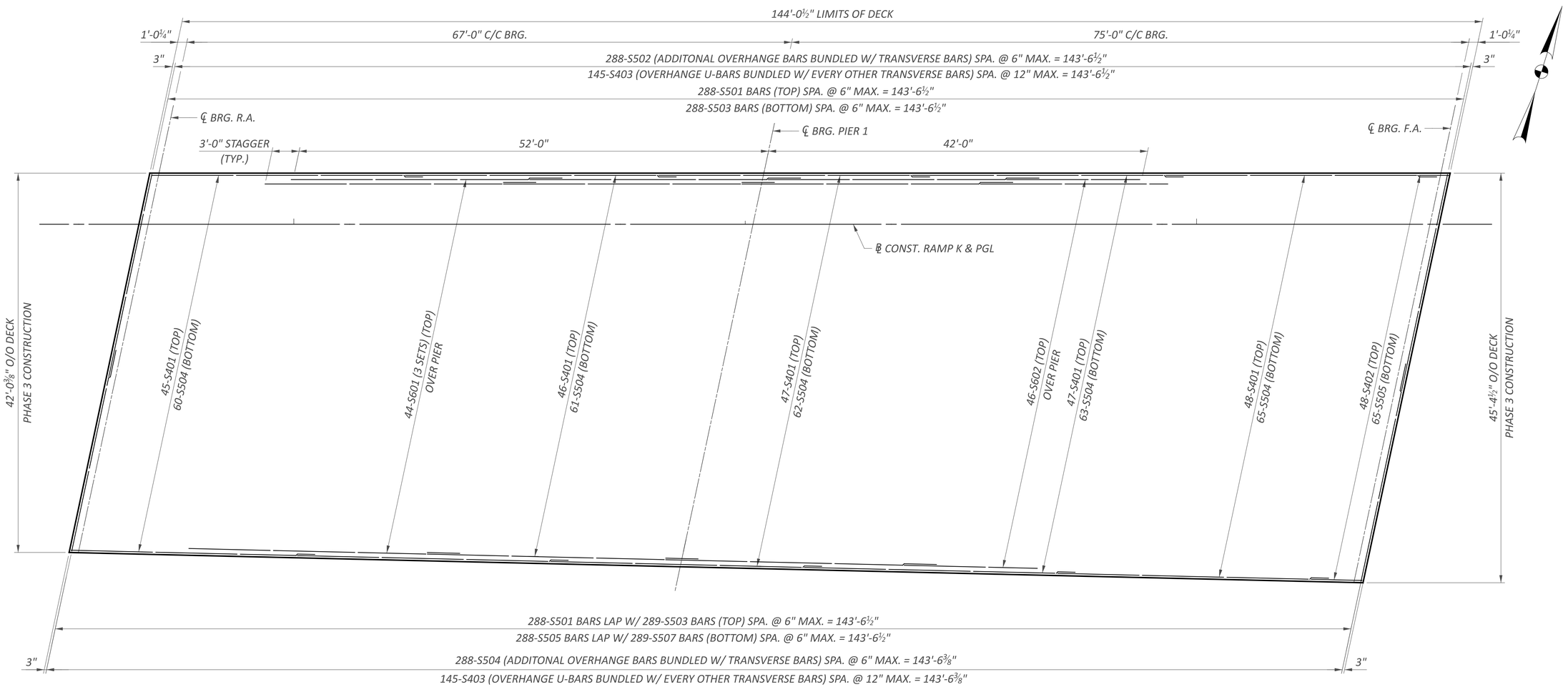

DECK PLAN

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

NOTES:

1. FOR TRANSVERSE SECTION, SEE SHEET 26/34.

DECK PLAN
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
BJW	SJF

REVIEWER CLB 04/25/25

PROJECT ID 96808

SUBSET	TOTAL
27	34

SHEET	TOTAL
P.1415	P.1556

FAI/LIC-70.0.00/0.00

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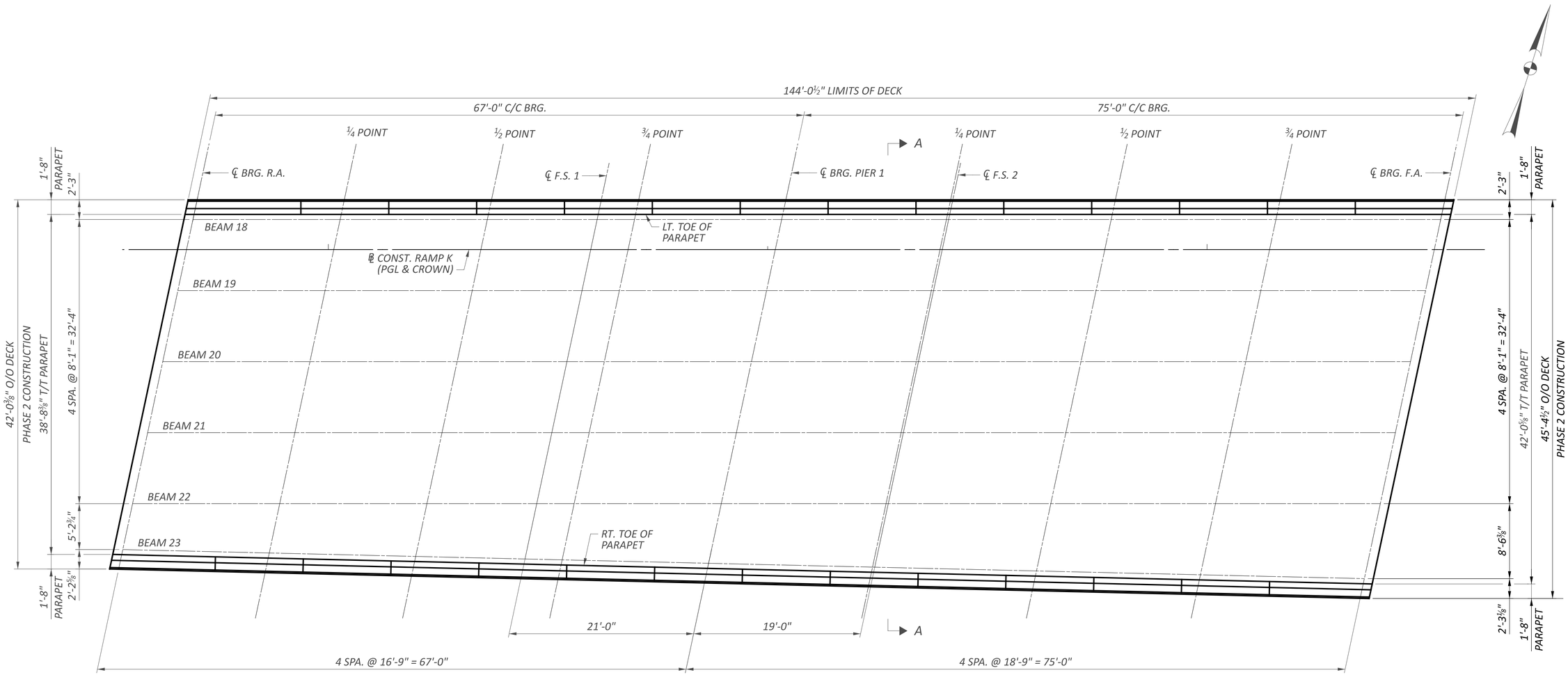
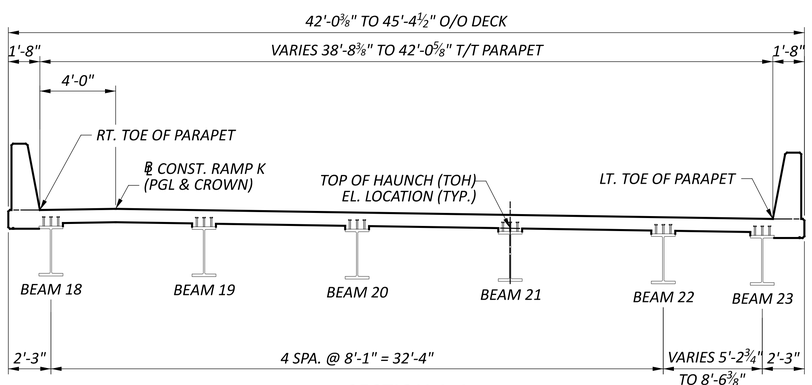


SCREED LAYOUT PLAN



SECTION A-A

NOTES:

1. SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
2. TOP OF HAUNCH ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
3. FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED

SCREED DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	IMPRELIUM STRUCTUREPOINT LLC
DESIGNER	DAS
CHECKER	SJF
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	28
TOTAL	34
SHEET	P.1416
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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TOP OF HAUNCH, FINAL DECK SURFACE, AND SCREED ELEVATIONS TABLE

SCREED LINE / DESCRIPTION		℄ BRG. R. A.	¼ POINT	½ POINT	F.S. 1	¾ POINT	℄ PIER NO. 1	¼ POINT	F.S. 2	½ POINT	¾ POINT	℄ BRG. F. A.
LT. TOE OF PARAPET	STATION	62+84.71	63+01.46	63+18.21	63+30.71	63+34.96	63+51.71	63+70.46	63+70.71	63+89.21	64+07.96	64+26.71
	F.D.S. ELEV.	867.40	867.74	868.07	868.32	868.40	868.72	869.07	869.07	869.41	869.75	870.07
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	867.40	867.78	868.11	868.33	868.41	868.72	869.11	869.12	869.50	869.82	870.07
PGL & CROWN	STATION	62+83.86	63+00.61	63+17.36	63+29.86	63+34.11	63+50.86	63+69.61	63+69.86	63+88.36	64+07.11	64+25.86
	F.D.S. ELEV.	867.55	867.88	868.22	868.46	868.54	868.86	869.21	869.22	869.55	869.89	870.22
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	867.55	867.92	868.25	868.48	868.55	868.86	869.25	869.26	869.64	869.96	870.22
RT. TOE OF PARAPET	STATION	62+76.48	62+93.15	63+09.82	63+22.25	63+26.48	63+43.15	63+61.81	63+62.06	63+80.46	63+99.12	64+17.78
	F.D.S. ELEV.	866.84	867.17	867.50	867.74	867.82	868.13	868.48	868.48	868.82	869.15	869.47
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	SCREED ELEV.	866.84	867.21	867.54	867.76	867.83	868.13	868.52	868.53	868.90	869.22	869.47
FAI-00070-01190 CD TOP OF HAUNCH ELEVATIONS												
BEAM 18	STATION	62+84.59	63+01.34	63+18.09	63+30.59	63+34.84	63+51.59	63+70.34	63+70.59	63+89.09	64+07.84	64+26.59
	F.D.S. ELEV.	867.42	867.76	868.09	868.34	868.42	868.74	869.09	869.09	869.43	869.77	870.09
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.72	867.09	867.42	867.65	867.72	868.03	868.42	868.43	868.81	869.13	869.39
BEAM 19	STATION	62+82.87	62+99.62	63+16.37	63+28.87	63+33.12	63+49.87	63+68.62	63+68.87	63+87.37	64+06.12	64+24.87
	F.D.S. ELEV.	867.45	867.79	868.12	868.36	868.45	868.77	869.12	869.12	869.46	869.80	870.13
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.74	867.12	867.45	867.68	867.75	868.06	868.45	868.46	868.84	869.16	869.42
BEAM 20	STATION	62+81.15	62+97.90	63+14.65	63+27.15	63+31.40	63+48.15	63+66.90	63+67.15	63+85.65	64+04.40	64+23.15
	F.D.S. ELEV.	867.29	867.63	867.96	868.20	868.28	868.61	868.96	868.96	869.30	869.64	869.97
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.58	866.95	867.29	867.51	867.59	867.90	868.29	868.30	868.68	869.00	869.26
BEAM 21	STATION	62+79.43	62+96.18	63+12.93	63+25.43	63+29.68	63+46.43	63+65.18	63+65.43	63+83.93	64+02.68	64+21.43
	F.D.S. ELEV.	867.12	867.46	867.79	868.04	868.12	868.44	868.80	868.80	869.14	869.48	869.81
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.41	866.79	867.12	867.35	867.43	867.73	868.13	868.14	868.52	868.84	869.10
BEAM 22	STATION	62+77.72	62+94.47	63+11.22	63+23.72	63+27.97	63+44.72	63+63.47	63+63.72	63+82.22	64+00.97	64+19.72
	F.D.S. ELEV.	866.96	867.30	867.63	867.88	867.96	868.28	868.63	868.64	868.98	869.32	869.65
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.25	866.62	866.96	867.19	867.26	867.57	867.97	867.97	868.36	868.68	868.94
BEAM 23	STATION	62+76.60	62+93.27	63+09.94	63+22.38	63+26.61	63+43.27	63+61.93	63+62.18	63+80.59	63+99.24	64+17.90
	F.D.S. ELEV.	866.85	867.18	867.51	867.75	867.83	868.15	868.49	868.49	868.83	869.16	869.48
	DEFLECTION	0.00	0.03	0.04	0.02	0.01	0.00	0.04	0.04	0.09	0.07	0.00
	T.O.H. ELEV.	866.14	866.51	866.84	867.06	867.13	867.44	867.83	867.83	868.21	868.52	868.77

SCREED DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
DAS	SJF

REVIEWER
CLB 04/25/25

PROJECT ID
96808

SUBSET	TOTAL
29	34

SHEET	TOTAL
P.1417	P.1556

FAI/LIC-70.0.00/0.00

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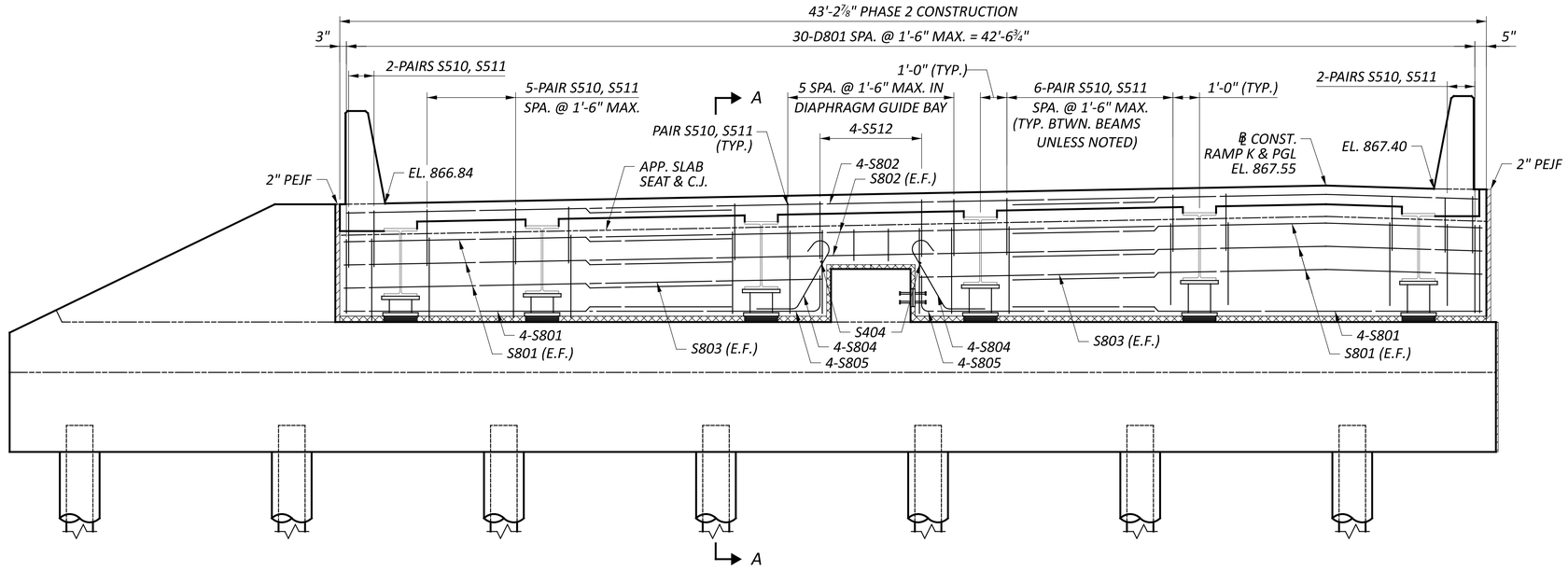
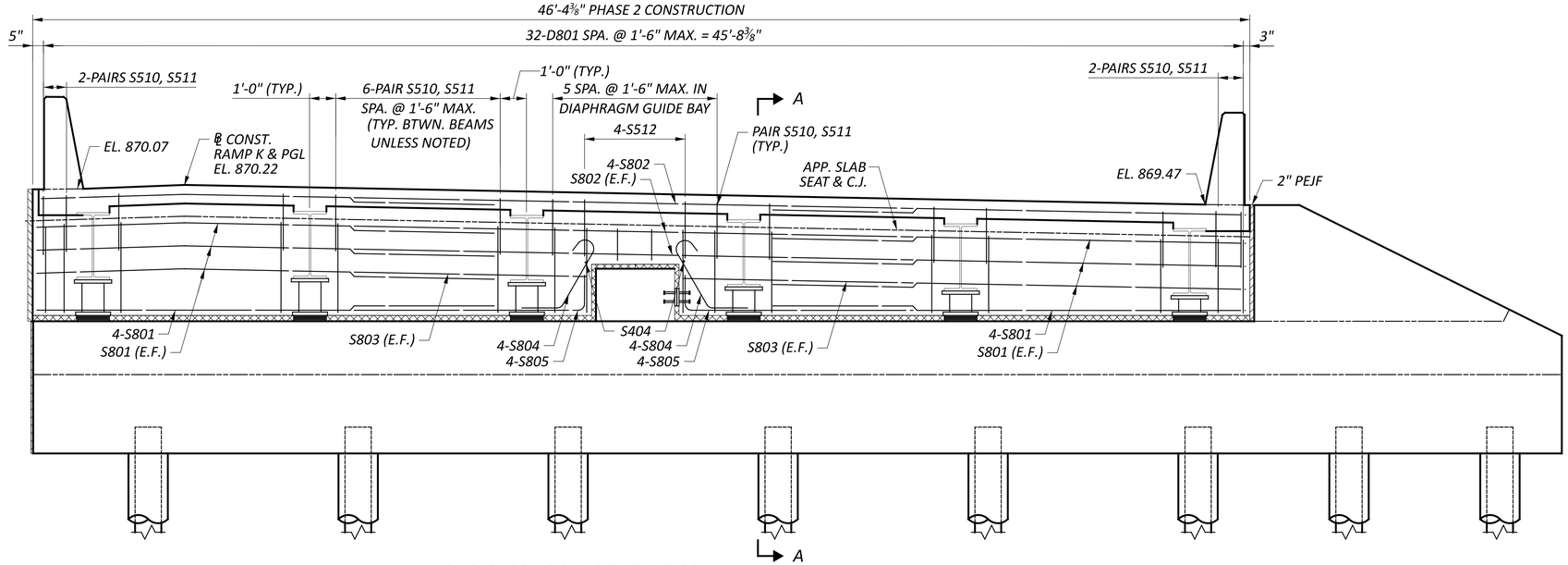


END DIAPHRAGM ELEVATION

REAR ABUTMENT



END DIAPHRAGM ELEVATION

FORWARD ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A , SEE SHEET 31/34.

SUPERSTRUCTURE DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
30	34

SHEET	TOTAL
P.1418	P.1556

FAI/LIC-70.0.00/0.00

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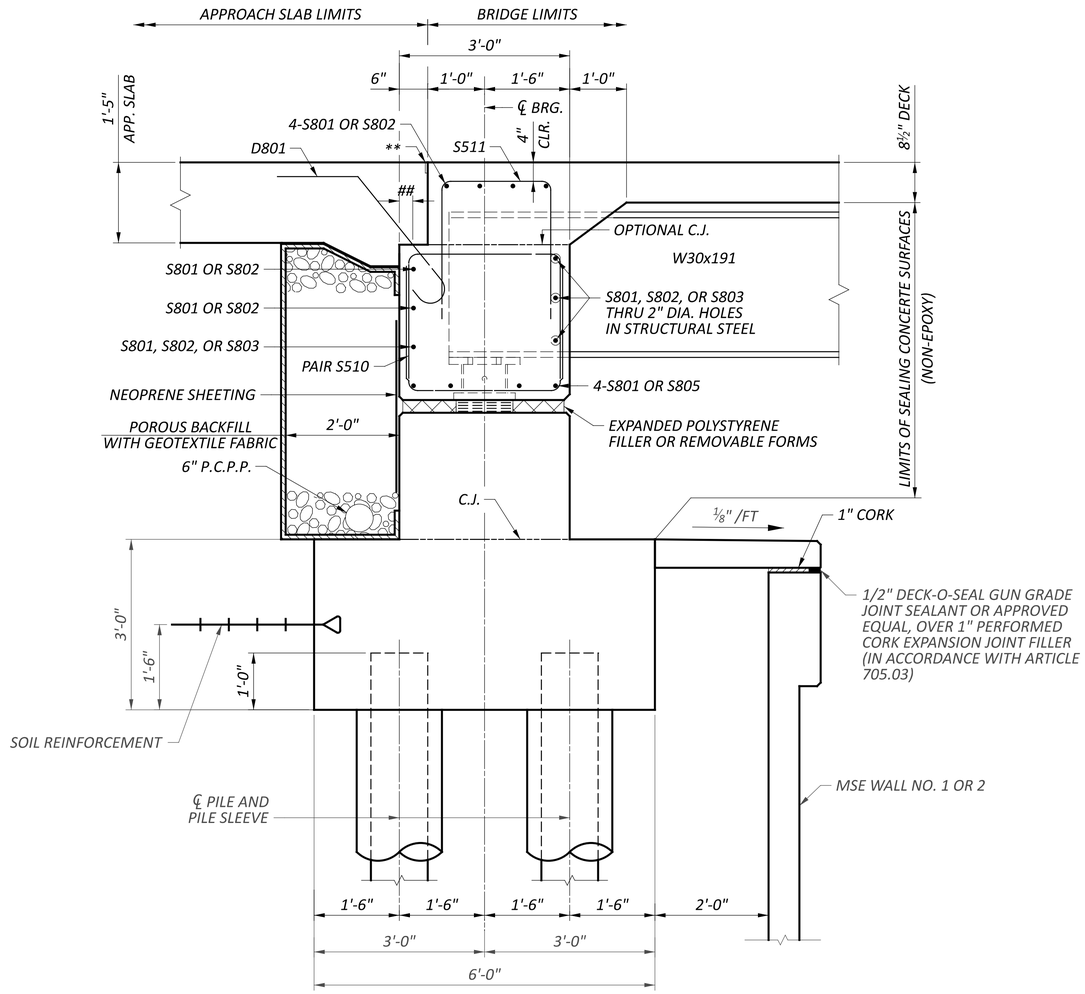

SECTION A-A

ABUTMENT REINFORCING NOT SHOWN FOR CLARITY

2¼" ±¼" CLR.

** SEE DETAIL "B" ON STANDARD DRAWING AS-1-15

NOTES:

1. FOR ABUTMENT DETAILS, SEE SHEET 18/34.
2. ABUTMENT DIAPHRAGM CONCRETE, PHASED CONSTRUCTION: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS OF AN INDIVIDUAL PHASE WITH THE DECK CONCRETE OR AT LEAST 48 HOURS BEFORE PLACEMENT OF THE DECK CONCRETE. IF PLACED SEPERATELY, LOCATE A HORIZONTAL CONSTRUCTION JOINT IN THE DIAPHRAGM AS SHOWN ON SICD-1-21 AND PLACE REMAINING DIAPHRAGM CONCRETE WITH THE DECK. PLACE CLOSURE POUR CONCRETE IN THE DIAPHRAGM AND DECK CONCURRENTLY.

SUPERSTRUCTURE DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN	2301654
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	SJF
CHECKER	ABD
REVIEWER	CLB 04/25/25
PROJECT ID	96808
SUBSET	31
TOTAL	34
SHEET	P.1419
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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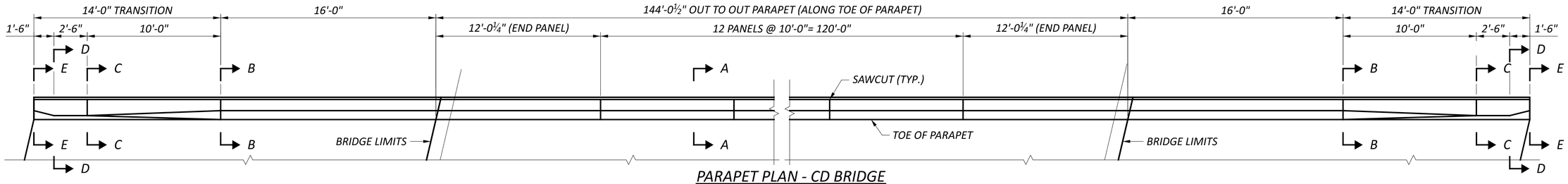
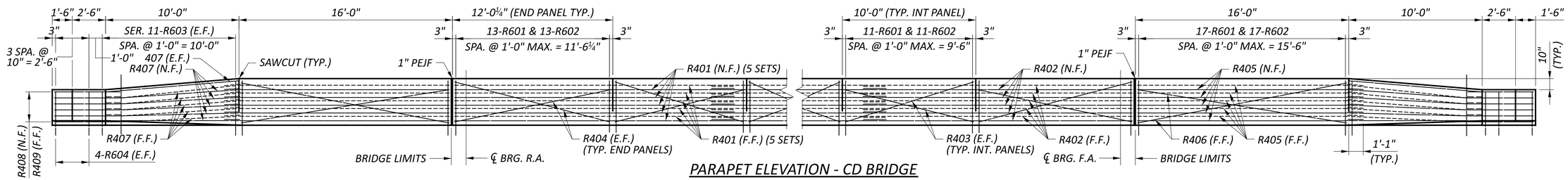


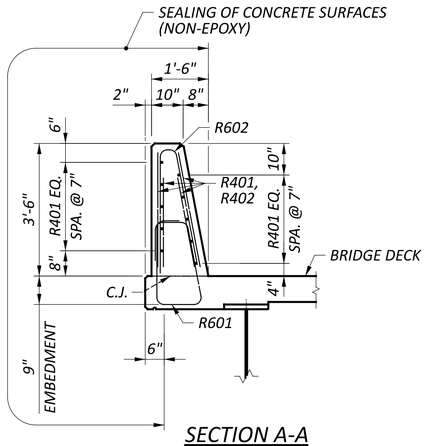
PARAPET PLAN - CD BRIDGE

LEFT PARAPET SHOWN

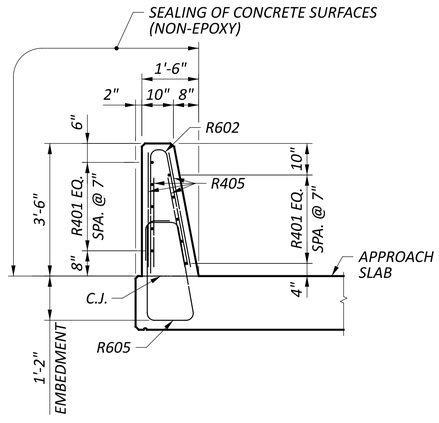


PARAPET ELEVATION - CD BRIDGE

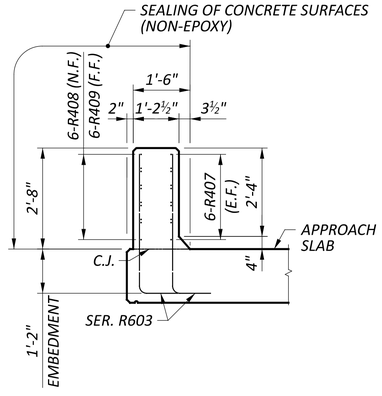
LEFT PARAPET SHOWN



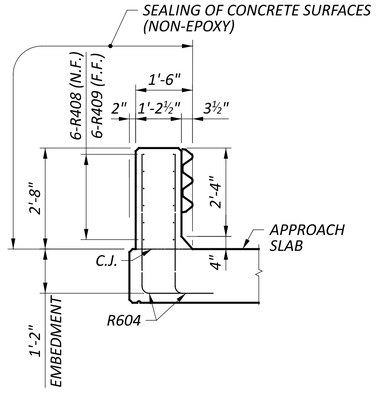
SECTION A-A



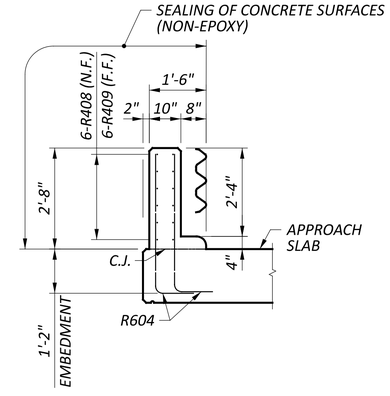
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

MINIMUM BAR LAP	
#4	1'-1"

NOTES:

1. *SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.*
2. *FOR BRIDGE TERMINAL ASSEMBLY. SEE STANDARD CONSTRUCTION DRAWING MSG 3.1.*

PARAPET DETAILS - 1
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654

DESIGN AGENCY: STRUCTUREPOINT INC.

DESIGNER	CHECKER
SJF	ABD

REVIEWER: CLB 04/25/25

PROJECT ID: 96808

SUBSET	TOTAL
32	34

SHEET	TOTAL
P.1420	P.1556

FAI/LIC-70.0.00/0.00

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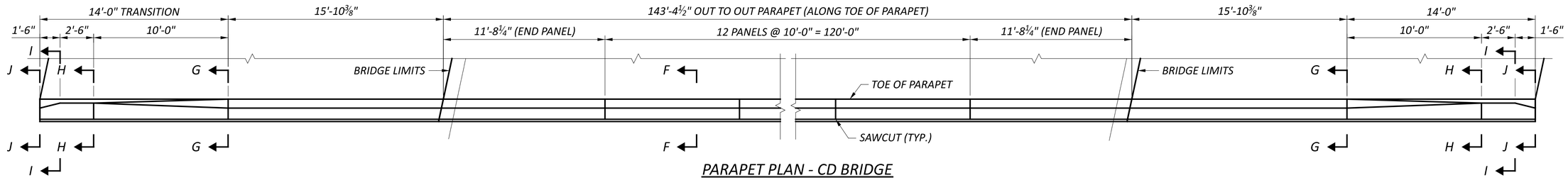
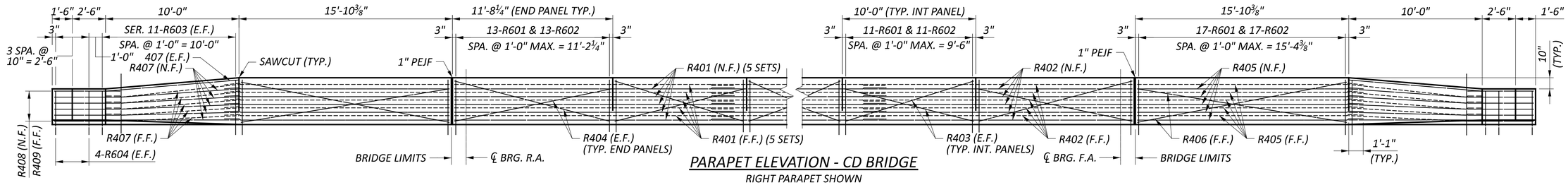


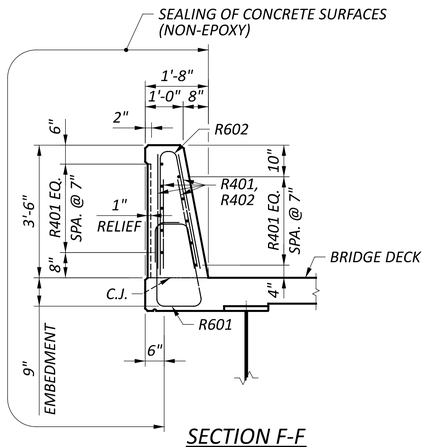
PARAPET PLAN - CD BRIDGE

RIGHT PARAPET SHOWN

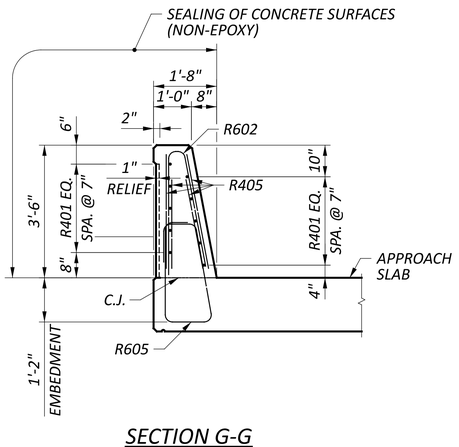


PARAPET ELEVATION - CD BRIDGE

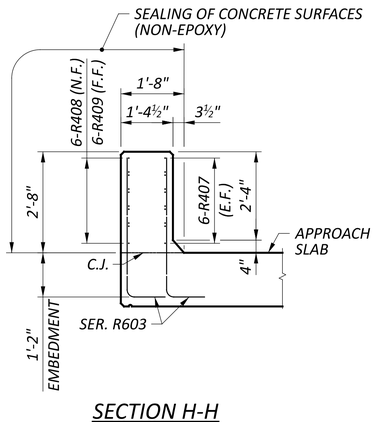
RIGHT PARAPET SHOWN



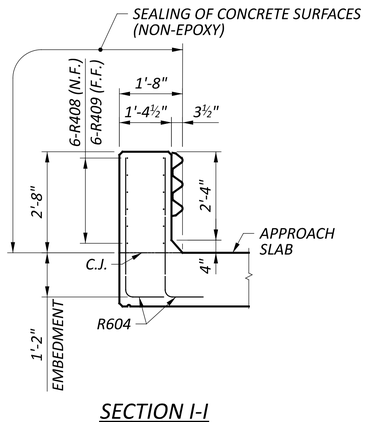
SECTION F-F



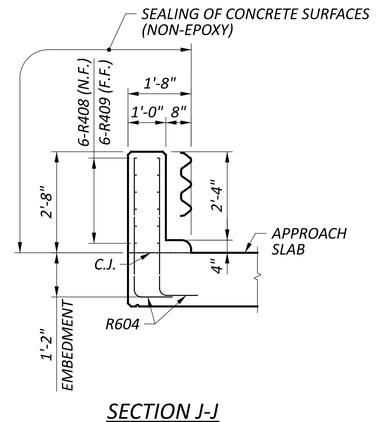
SECTION G-G



SECTION H-H



SECTION I-I



SECTION J-J

MINIMUM BAR LAP	
#4	1'-1"

NOTES:

1. *SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.*
2. *FOR BRIDGE TERMINAL ASSEMBLY. SEE STANDARD CONSTRUCTION DRAWING MSG 3.1.*

PARAPET DETAILS - 2
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 33 | TOTAL 34
SHEET P.1421 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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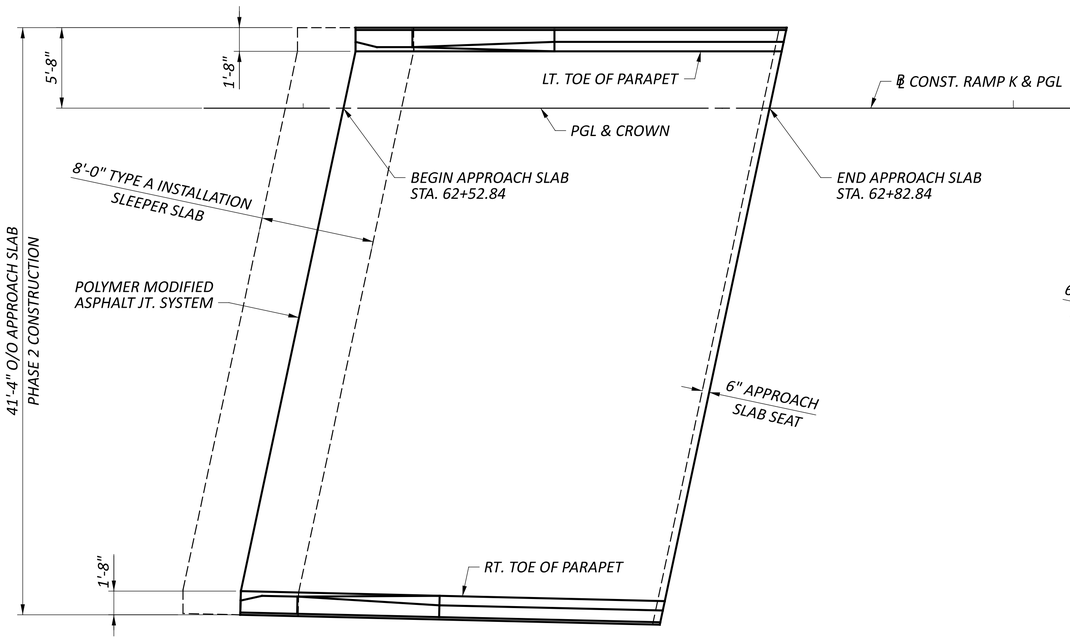
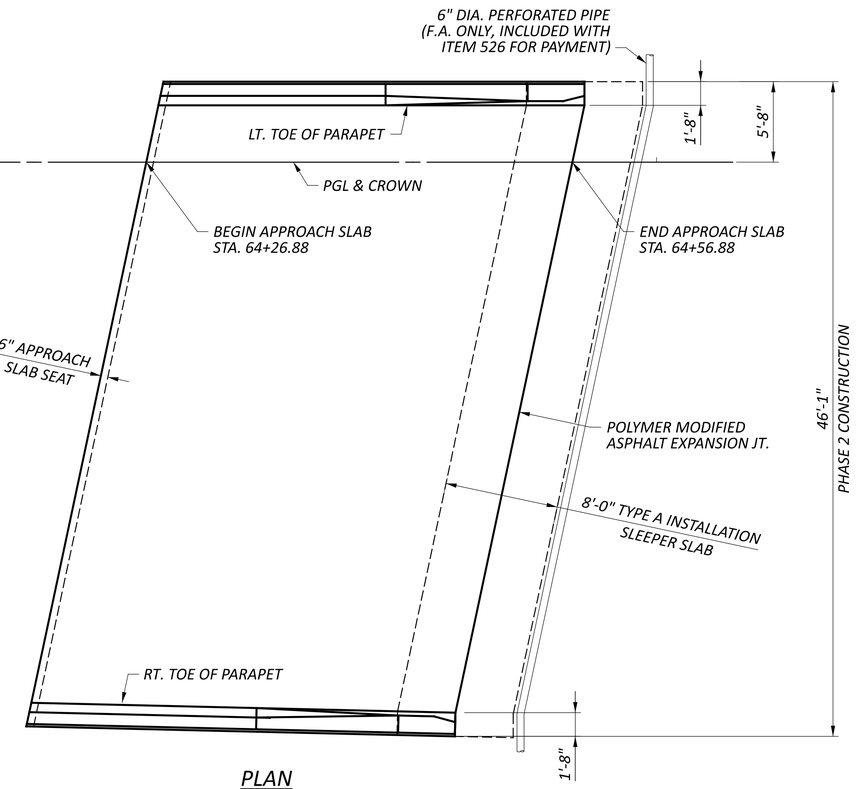


PLAN
REAR APPROACH



PLAN
FORWARD APPROACH

APPROACH SLAB ELEVATIONS

APPROACH LINE \ DESCRIPTION		BEGIN REAR SLEEPER SLAB	BEGIN REAR APPROACH SLAB	END REAR SLEEPER SLAB	END REAR APPROACH SLAB	STRUCTURE LIMITS	BEGIN FWD. APPROACH SLAB	BEGIN FWD. SLEEPER SLAB	END FWD. APPROACH SLAB	END FWD. SLEEPER SLAB
LT. TOE OF PARAPET	STATION	62+49.60	62+53.69	62+57.78	62+83.69		64+27.73	64+53.65	64+57.73	64+61.82
	ELEVATION	865.26	866.76	865.43	867.38		870.09	869.11	870.60	869.25
PGL & CROWN	STATION	62+48.75	62+52.84	62+56.93	62+82.84		64+26.88	64+52.79	64+56.88	64+60.97
	ELEVATION	865.40	866.91	865.57	867.53		870.24	869.26	870.75	869.40
RT. TOE OF PARAPET	STATION	62+41.54	62+45.61	62+49.68	62+75.46		64+18.80	64+44.58	64+48.65	64+52.72
	ELEVATION	864.71	866.21	864.88	866.82		869.49	868.50	869.99	868.64

NOTES:

1. FOR STANDARD APPROACH SLAB DETAILS, SEE STANDARDS DRAWING AS-1-15.
2. FOR STANDARD APPROACH SLAB TYPE C INSTALLATION DETAILS, SEE STANDARD DRAWING AS-2-15.
3. APPROACH SLABS SHALL NOT BE POURED WITH BRIDGE DECK.
4. ELEVATIONS GIVEN AT TOP OF APPROACH SLAB AND SLEEPER SLAB.

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00070-01190 CD
IR 70 OVER S.R. 256

SFN 2301654
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER SJF | CHECKER ABD
REVIEWER CLB 04/25/25
PROJECT ID 96808
SUBSET 34 | TOTAL 34
SHEET P.1422 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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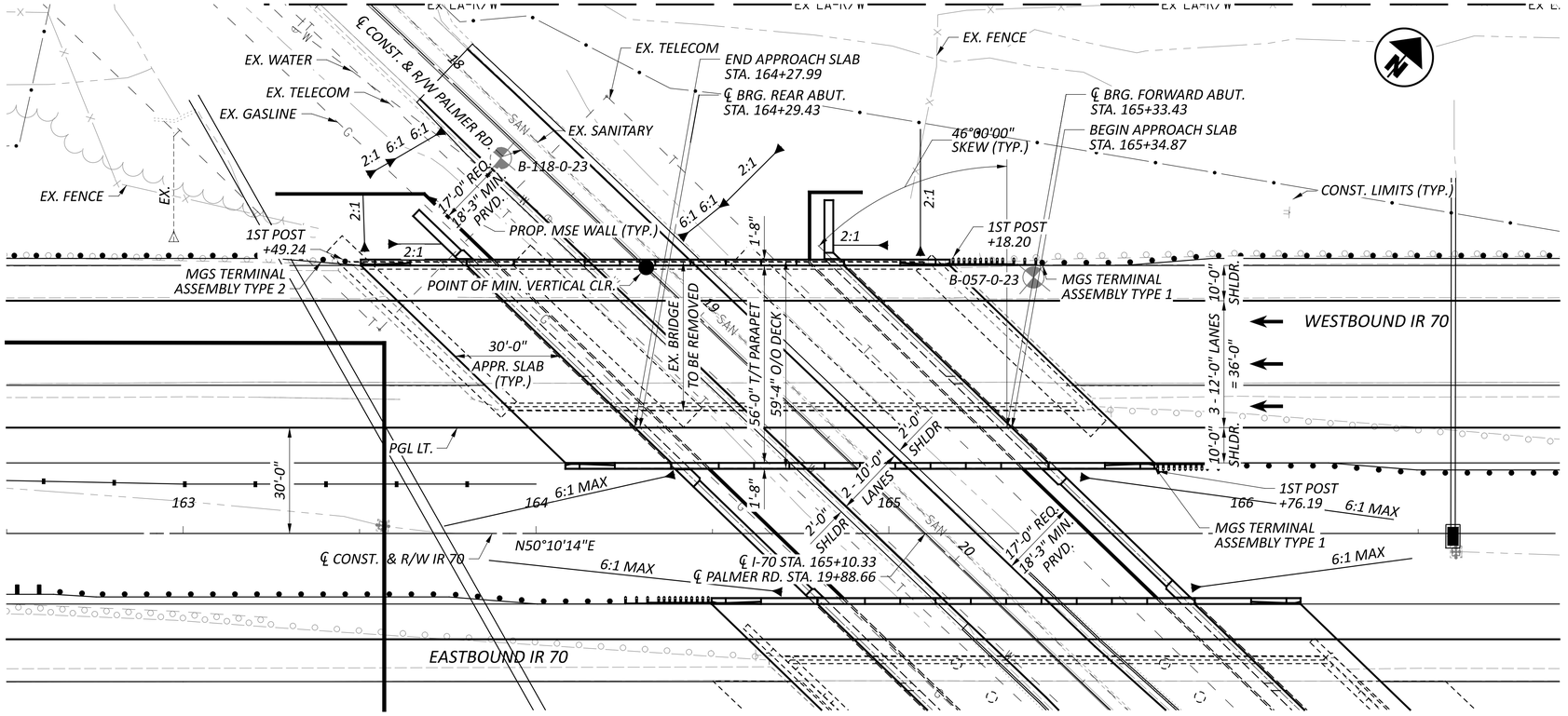
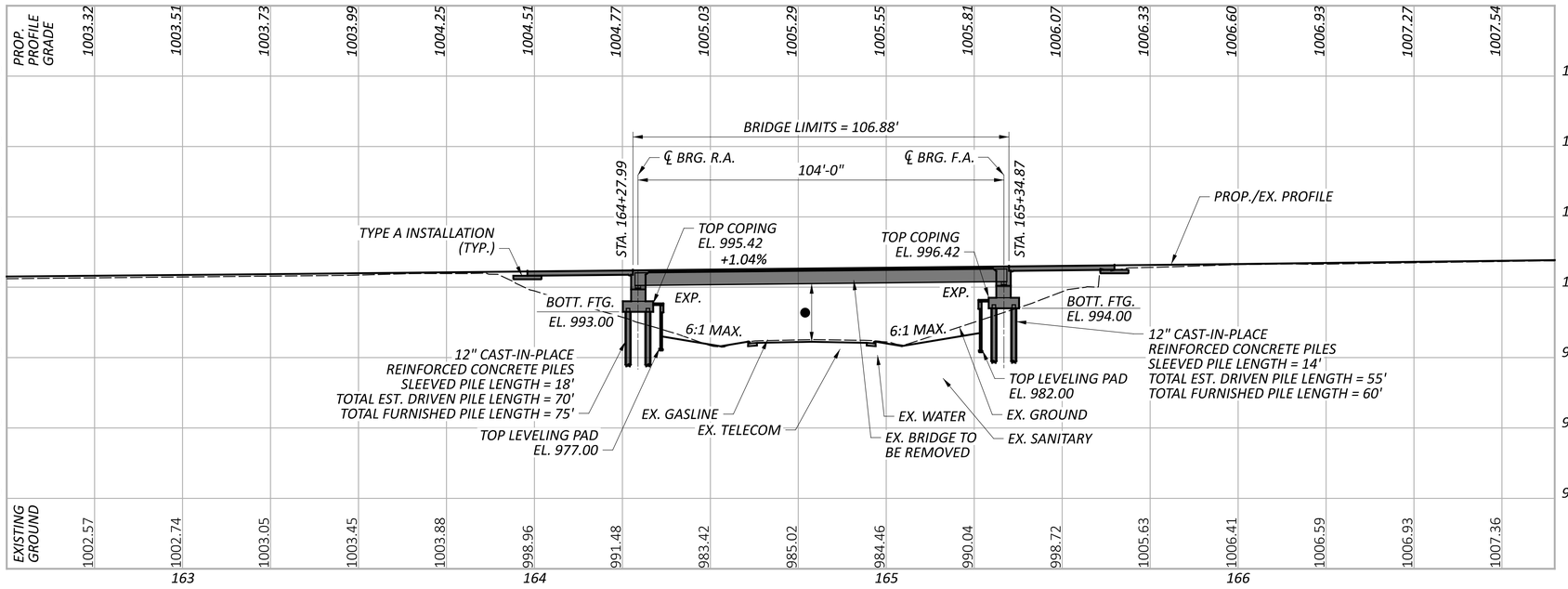


PLAN



PROFILE - ALONG PGL LT.

BENCHMARK DATA

C.P. 2012 STA. 138+31.32,	ELEV. 976.93,	OFFSET 108.10' LT
C.P. 2013 STA. 182+36.85,	ELEV. 1020.51,	OFFSET 120.41' RT

FOR ADDITIONAL BENCHMARK INFORMATION, SEE ROADWAY PLAN SHEET P.0020

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2030 ADT = 56,680 *2030 ADTT = 6,802*
2050 ADT = 76,150 *2050 ADTT = 9,138*
DIRECTIONAL DISTRIBUTION = 50%

LEGEND

● - *15'-6" REQUIRED MINIMUM VERTICAL CLEARANCE*
15'-11½" ACTUAL MINIMUM VERTICAL CLEARANCE

EXISTING STRUCTURE

TYPE: NON-COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIERS AND STUB ABUTMENTS WITH PILE FOUNDATIONS

SPANS: 49'-6"±, 62'-0"±, 49'-6"±
ROADWAY: 39'-0"± TOE/TOE PARAPET
LOADING: CF 2000 (57)
SKEW: 46°25'30"± R.F.
WEARING SURFACE: 1¾"± SDC OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: TANGENT
CROWN: 0.016± FT/FT
STRUCTURE FILE NUMBER: 4502884
DATE BUILT: 1967
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: SINGLE SPAN, STEEL PLATE GIRDER WITH COMPOSITE REINFORCED CONCRETE DECK ON SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS
SPANS: 104'-0" C/C BRG.
ROADWAY: 56'-0" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL93
FUTURE WEARING SURFACE: 60 PSF
SKEW: 46°00'00" R.F.
APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 6,342 SF
COORDINATES: LATITUDE 39°56'44.35"N
LONGITUDE 82°45'25.99"W

HORIZONTAL SCALE IN FEET
0 5 10 20

SITE PLAN
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 1 | TOTAL 30
SHEET P.1423 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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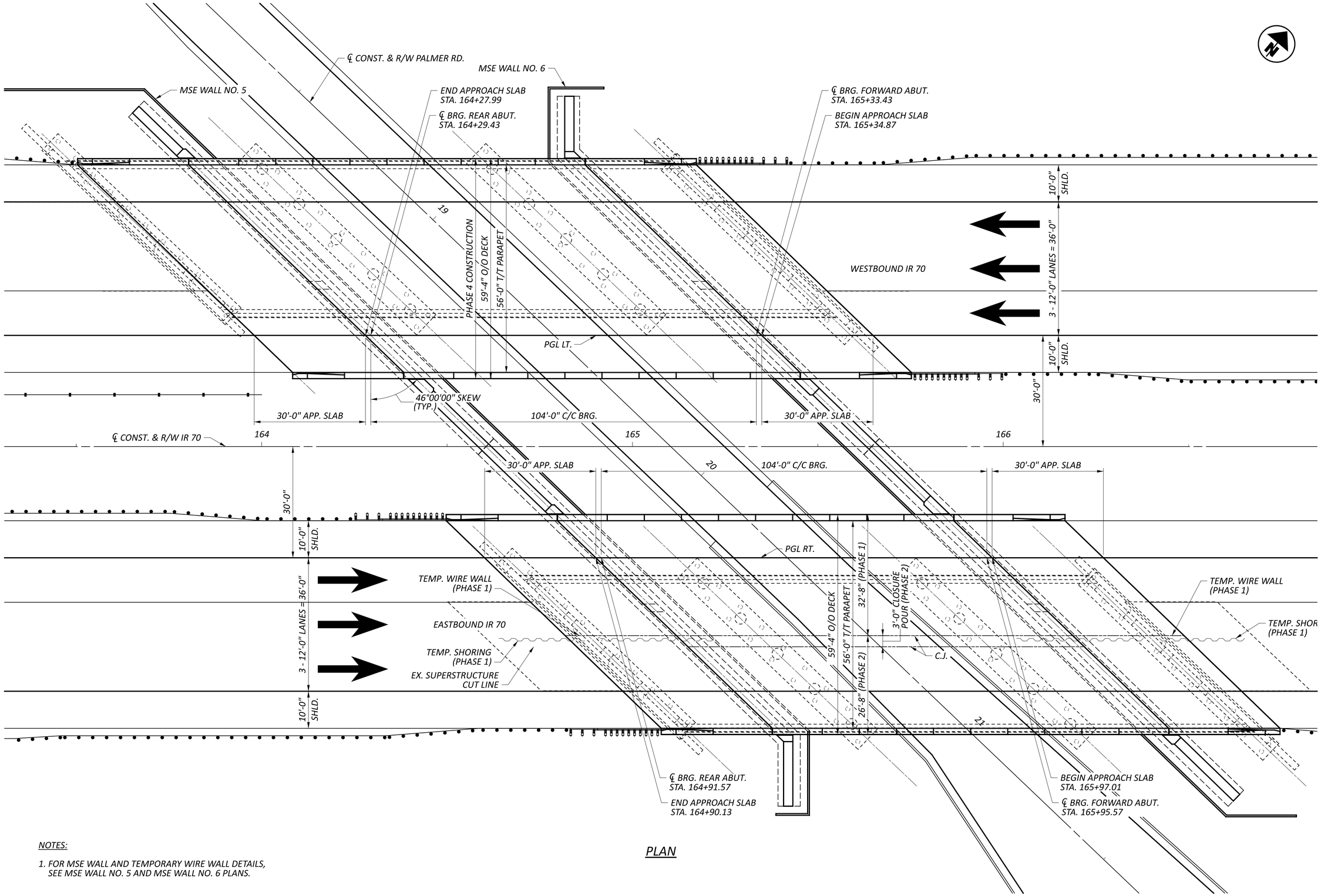

PLAN

NOTES:

1. FOR MSE WALL AND TEMPORARY WIRE WALL DETAILS, SEE MSE WALL NO. 5 AND MSE WALL NO. 6 PLANS.

GENERAL PLAN
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

FAI/LIC-70-0.00/0.00

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SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	2
TOTAL	30
SHEET	P.1424
TOTAL	P.1556

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
GSD-1-19	REVISED	07-19-24
PCB-91	REVISED	07-17-20
SBR-2-20	REVISED	07-19-24
SICD-1-21	REVISED	01-19-24
SICD-2-24	REVISED	01-15-21

DESIGN SPECIFICATIONS:

THE PROPOSED WORK CONFORMS TO THE 10TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2024 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

SPECIAL DESIGN SPECIFICATIONS:

THIS BRIDGE REQUIRED THE USE OF A TWO DIMENSIONAL MODEL USING THE GRILLAGE DESIGN METHOD TO ANALYZE THE STRUCTURE. THE COMPUTER PROGRAM USED FOR STRUCTURAL ANALYSIS WAS DESCUS. THE BRIDGE COMPONENTS DESIGNED BY THIS METHOD AND THE LIVE LOAD DISTRIBUTION FACTORS USED WERE THE STEEL GIRDERS AND CROSSFRAMES.

DEAD LOAD DISTRIBUTION:

WEIGHT OF THE DECK AND STEEL GIRDERS WERE USED FOR THE NON-COMPOSITE DEAD LOAD BASED ON TRIBUTARY AREA. THE WEIGHT OF PARAPETS AND FUTURE WEARING SURFACE WERE DIVIDED EQUALLY AMONG THE GIRDERS FOR THE COMPOSITE DEAD LOAD.

LIVE LOAD DISTRIBUTION FACTORS:

DIRECT LANE LOADING FOR WHEEL (OR AXLE) LOAD & FOR LANE LOAD MOMENTS. DIRECT LANE LOADING FOR WHEEL (OR AXLE) LOAD & LANE LOAD SHEARS.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING:

VEHICULAR LINE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/SQ.FT.

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI (DECK, PARAPET, SUBSTRUCTURES)

GFRP REINFORCEMENT (PARAPET)

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

DECK PLACEMENT ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.85 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48".

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65".

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

PAINTING OF STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 514 OF THE C&MS.

THE FINISH COAT COLOR SHALL BE BROWN FS-595C-10324.

SURFACE SMOOTHNESS FOR BRIDGES AND APPROACHES:

AT THE COMPLETION OF WORK FOR ALL PHASES OF CONSTRUCTION AND PRIOR TO OPENING THE BRIDGE TO TRAFFIC, THE CONTRACTOR SHALL PERFORM THE FOLLOWING AS PER PROPOSAL NOTE 555:

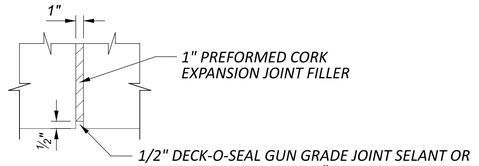
1. CLEAN, SWEEP, AND PREPARE THE FINAL DECK AND FINAL ROADWAY SURFACE.
2. MEASURE, GRIND, AND RE-MEASURE THE BRIDGE AND/OR ROADWAY AS NECESSARY.
3. GROOVE THE BRIDGE DECK.

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN:

THE DESIGN SHOWN ON THE PLANS FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTATIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ON THE PLANS OR PREPARE AN ALTERNATE DESIGN TO SUPPORT THE SIDES OF EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION, PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUMP SUM PRICE FOR COFFERDAMS AND EXCAVATION BRACING. THE DEPARTMENT WILL NOT MAKE ADDITIONAL PAYMENT FOR PROVIDING AN ALTERNATE DESIGN.

ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:

ALL 1" PEJF CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER 1/2" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION FOR MAXIMUM EFFECTIVENESS.



DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

PILE DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE IS 155 KIPS PER PILE FOR THE REAR ABUTMENT PILES.

REAR ABUTMENT PILES:

12 INCH DIAMETER PILES 75 FEET LONG, ORDER LENGTH

1 DYNAMIC LOAD TESTING ITEM

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.406 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/ SOIL SETUP:

THE ULTIMATE BEARING VALUE (UBV) IS 221 KIPS PER PILE FOR THE 12 INCH DIAMETER CAST IN PLACE REINFORCED CONCRETE FORWARD ABUTMENT PILES. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

DRIVE THE FIRST TWO PILES AT THE FORWARD ABUTMENT TO THE FULL ESTIMATED LENGTH OF 55 FEET. PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATED THE PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF * DAYS. INCLUDE THE WAITING PERIOD AS A SEPARATE ACTIVITY IN THE PROJECT SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

IF THE RESTRIKE TEST RESULTS INDICATE THE EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FOR THE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/ SOIL SETUP (CONT.):

IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER CMS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 - DYNAMIC LOAD TESTING, AS PER PLAN AND A QUANTITY OF ONE EACH ITEM 523 - RESTRIKE, AS PER PLAN PER EACH SUBSTRUCTURE UNIT.

GENERAL NOTES - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY STRUCTUREPOINT LLC

DESIGNER	CHECKER
ABD	SJF

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
3	30

SHEET	TOTAL
P.1425	P.1556

FAI/LIC-70-0.00/0.00

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ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN:

IN ADDITION TO THE WORK ITEMS REQUIRED IN 511, THESE ITEMS WILL INCLUDE THE DEVELOPMENT, DELIVERY AND PLACEMENT OF A CLASS QC2 AND QC1 SELF CONSOLIDATING CONCRETE MIX DESIGN AS DESCRIBED IN THE FOLLOWING NOTE:

PROVIDE A CONCRETE MIX WITH THE FOLLOWING PROPERTIES:

SELF-CONSOLIDATING CONCRETE (SCC): WHEN REQUIRED IN THE DESIGN PLANS OR APPROVED BY THE ENGINEER, PROVIDE AN SCC MIX WITH AGGREGATE GRADATIONS WITHIN ZONE II OF THE COARSENESS FACTOR CHART THAT IS FLOWABLE, NON-SEGREGATING CONCRETE THAT CAN SPREAD INTO PLACE, FILL THE FORMWORK, AND ENCAPSULATE THE REINFORCEMENT WITHOUT MECHANICAL CONSOLIDATION. INCREASING THE AMOUNT OF AN APPROVED 705.12 (SCC) ADMIXTURE OF AN APPROVED JMF TO ACHIEVE THE DESIRED CONSISTENCY; RE-PROPORTIONING THE AGGREGATES WITHIN ZONE II; ADDING CEMENTITIOUS MATERIAL; AND INCLUDING A VISCOSITY MODIFYING ADMIXTURE (VMA) ARE ACCEPTABLE METHODS OF IMPROVING THE STABILITY OF THE MIX. A NEW MIX DESIGN IS NOT REQUIRED.

SLUMP REQUIREMENTS OF TABLE 499.04-1 DO NOT APPLY.

ESTABLISH QUALITY CONTROL PROCEDURES IN THE QUALITY CONTROL PLAN FOR SCC CONCRETE. SET THE TARGET SLUMP FLOW FOR THE MIX AND MAINTAIN THE FLOW WITHIN ` 2 INCHES. VISUALLY INSPECT THE STABILITY OF THE MIX TO ENSURE THAT THERE IS NO AGGREGATE PILE IN THE MIDDLE OF, NOR MORTAR HALO IN EXCESS OF ½ INCH ON THE LEADING EDGE OF THE SLUMP FLOW TEST PILE. TEST THE SLUMP FLOW ACCORDING TO ASTM C1611.

GRADATION:

PROVIDE A WELL-GRADED CONCRETE MIX BY MAINTAINING THE GRADATION OF THE COMBINATION OF AGGREGATES WITHIN ZONE II (OPTIMAL) OF THE COARSENESS FACTOR CHART (FIGURE 1) AS DEFINED IN THE COMPASS OR EQUAL SOFTWARE. USE A 1 INCH NOMINAL MAXIMUM SIZE AGGREGATE. ENSURE THAT THE DESIGN YIELD IS 27.0 CU. FT.

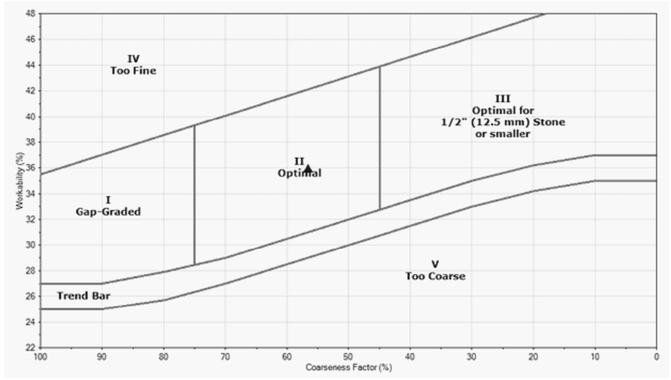

FIGURE 1- COARSENESS FACTOR CHART

USE THE FOLLOWING SIEVE SIZES TO DETERMINE THE GRADATION OF THE AGGREGATES:

1 1/2 INCH	# 8
1 INCH	# 16
3/4 INCH	# 30
1/2 INCH	# 50
3/8 INCH	# 100
#4	# 200

IN THE CHART:
WORKABILITY FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT PASSES THE NO. 8 SIEVE. COARSENESS FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT IS RETAINED ON THE NO. 8 SIEVE THAT IS ALSO RETAINED ON THE 3/8 IN. SIEVE. THE CHART IS BASED ON A CEMENT CONTENT OF 564 LBS /CU.YD. ADJUST TO WORKABILITY PROPORTIONATELY AND DIRECTLY BY 2.5% PER 94 LBS. OF CEMENT WHEN USING EITHER LESS OR MORE. ENSURE THAT THE CONCRETE MIX DESIGN IS WORKABLE AND FINISHABLE DURING THE TRIAL PROCESS. WHEN THE MIX IS DETERMINED TO HAVE ISSUES RELATING TO WORKABILITY OR FINISHABILITY IN THE FIELD, THE DEPARTMENT MAY RESCIND THE MIX DESIGN ACCEPTANCE.

THIS S.C.C. CONCRETE IS BEING UTILIZED TO BEST FILL THE FORMLINED CONCRETE POURS WHERE SPECIFIED IN THIS PLAN.

THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 2626 LIGHT GRAY AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL.
THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

PAYMENT WILL INCLUDE DEVELOPMENT AND PLACEMENT OF THE SELF CONSOLIDATING CONCRETE MIX, ALL AESTHETIC TREATMENT INCLUDING THE CONCRETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN

ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	PANEL SURFACE TREATMENT:	SPECIFICATIONS:
CUSTOM ROCK INTERNATIONAL	NEW ENGLAND DRYSTACK # 12003	MAX RELIEF 1⅜" LINER THICKNESS 2¼" STONE SIZE 3" TO 24"
SPEC FORMLINERS, INC.	WASHINGTON DRYSTACK # 1581	MAX RELIEF 1½" LINER THICKNESS 2¾" STONE SIZE 4" TO 24"
APPROVED EQUAL	APPROVED EQUAL	APPROVED EQUAL

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	= ABUTMENT
APPR.	= APPROACH
BOT.	= BOTTOM
BRG.	= BEARING
BTW	= BETWEEN
C/C	= CENTER-TO-CENTER
C.I.P.	= CAST-IN-PLACE
C.J.	= CONSTRUCTION JOINT
℄	= CENTERLINE
CLR.	= CLEARANCE
CONSTR.	= CONSTRUCTION
DIA.	= DIAMETER
DWG.	= DRAWING
EA.	= EACH
EB	= EASTBOUND
E.F.	= EACH FACE
EL.	= ELEVATION
EST.	= ESTIMATED
EX.	= EXISTING
F.A.	= FORWARD ABUTMENT
F.D.S.	= FINAL DECK SURFACE
F.F.	= FAR FACE
F.S.	= FIELD SPLICE
FWD.	= FORWARD
INV.	= INVERT
LT.	= LEFT
MAX.	= MAXIMUM
MIN.	= MINIMUM
NE	= NORTHEAST
N.F.	= NEAR FACE
N.P.C.P.P.	= NON-PERFORATED CORRUGATED PLASTIC PIPE
NW	= NORTHWEST
O/O	= OUT-TO-OUT
PB	= PORTABLE BARRIER
P.C.P.P.	= PERFORATED CORRUGATED PLASTIC PIPE
PEJF	= PREFORMED EXPANSION JOINT FILLER
PGL	= PROFILE GRADE LINE
PROP.	= PROPOSED
R.A.	= REAR ABUTMENT
REQD.	= REQUIRED
RT.	= RIGHT
SE	= SOUTHEAST
SER.	= SERIES
SHLD.	= SHOULDER
SPA.	= SPACES
STA.	= STATION
STD.	= STANDARD
SW	= SOUTHWEST
T&B	= TOP AND BOTTOM
TEMP.	= TEMPORARY
T/S	= TOE OF SLOPE
T/T	= TOE-TO-TOE
TYP.	= TYP.
WB	= WESTBOUND

GENERAL NOTES - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER ABD | CHECKER SJF
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 4 | TOTAL 30
SHEET P.1426 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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ESTIMATED QUANTITIES

CALCULATED BY: ACM DATE: 04/11/2025
CHECKED BY: SJF DATE: 04/21/2025

ITEM	EXT.	QUANTITY	UNIT	DESCRIPTION	ABUT.	SUPER STR.	GEN.	SHT. NO.
202	11002		LS	STRUCTURE REMOVED, OVER 20 FOOT SPAN			LS	
202	22900	133	SY	APPROACH SLAB REMOVED			133	
202	23500	133	SY	WEARING COURSE REMOVED			133	
503	21300		LS	UNCLASSIFIED EXCAVATION			LS	
505	11100		LS	PILE DRIVING EQUIPMENT MOBILIZATION			LS	
507	00500	4250	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	4250			
507	00550	4590	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	4590			
509	10000	116847	LB	EPOXY COATED STEEL REINFORCEMENT	39000	77847		
509	30020	3927	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		3927		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2			
511	34446	275	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK		275		
511	34451	61	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN		61		4/30
511	44113	115	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN	115			4/30
511	46512	174	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	174			
512	10050	607	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	186	421		
512	33000	30	SY	TYPE 2 WATERPROOFING	30			
513	10280	197900	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4		197900		
513	20000	3234	EACH	WELDED STUD SHEAR CONNECTORS		3234		
514	00060	12670	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT		12670		
514	00066	12670	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT		12670		
516	13601	96	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	80	16		3/30
516	13901	87	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	87			3/30
516	14020	202	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	202			
516	44101	14	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN		14		15/30
518	21200	118	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	118			
518	40000	244	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	244			
518	40010	100	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	100			
523	20000	1	EACH	DYNAMIC LOAD TESTING	1			
523	20001	1	EACH	DYNAMIC LOAD TESTING, AS PER PLAN	1			3/30
523	20501	1	EACH	RESTRIKE, AS PER PLAN	1			3/30
526	30010	396	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")			396	
526	90010	171	FT	TYPE A INSTALLATION			171	
846	00110	68	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM			68	

ESTIMATED QUANTITIES
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER ACM | CHECKER SJF
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 5 | TOTAL 30
SHEET P.1427 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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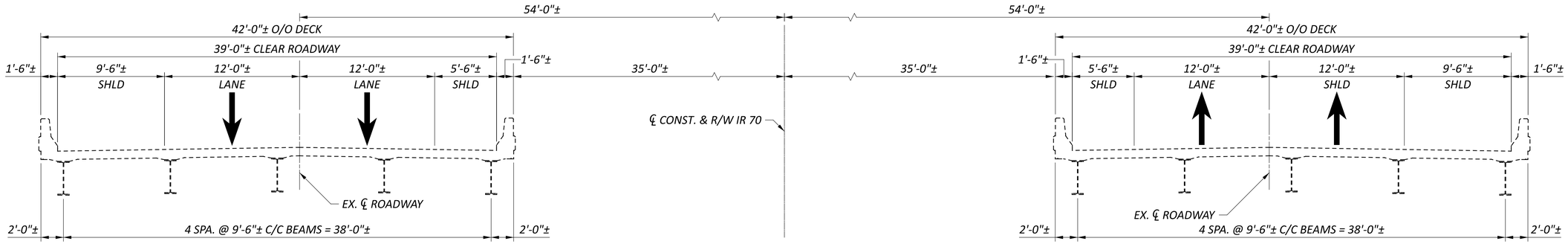
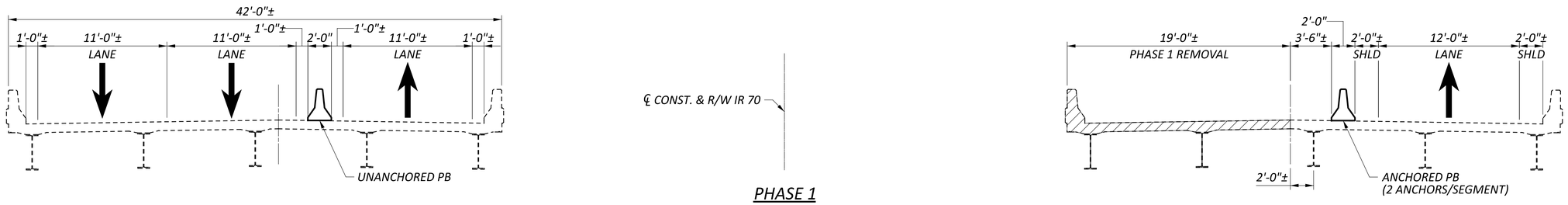
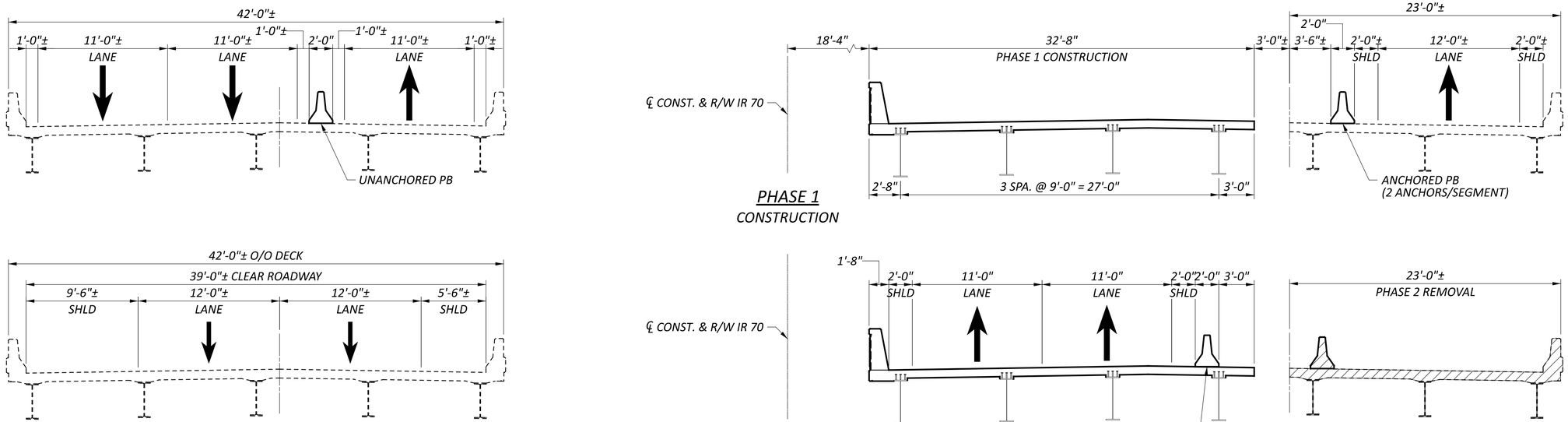


EXISTING BRIDGE SECTION



PHASE 1
REMOVAL



PHASE 1
CONSTRUCTION

PHASE 2
REMOVAL

CONSTRUCTION SEQUENCE

PHASE 1:

1. INSTALL PORTABLE BARRIER AS SHOWN AND PER STD DWG PCB-91 OR RM-4.2.
2. REMOVE PORTIONS OF EX. STRUCTURE. PROVIDE TEMPORARY SHORING TO ACCOMMODATE REMOVAL.
3. CONSTRUCT PORTION OF EB STRUCTURE INCLUDING PORTION OF MSE WALL AND WIRE FACE WALL.

PHASE 2:

1. INSTALL PORTABLE BARRIER AS SHOWN AND PER STD DWG PCB-91 OR RM-4.2.
2. REMOVE REMAINING PORTION OF EX. EB STRUCTURE.
3. CONSTRUCT REMAINING PORTION OF EX. EB STRUCTURE AND MSE WALL, OTHER THAN DECK AND DIAPHRAGM CLOSURE POUR.
4. CONSTRUCT DECKS AND DIAPHRAGM CLOSURE POUR.

LEGEND:

LIMITS OF REMOVAL PER ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN

PHASE CONSTRUCTION - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY: STRUCTUREPOINT
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 6 | TOTAL 30
SHEET P.1428 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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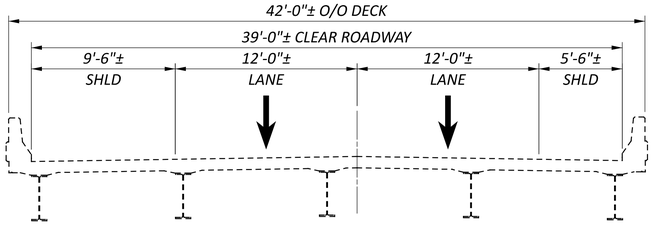
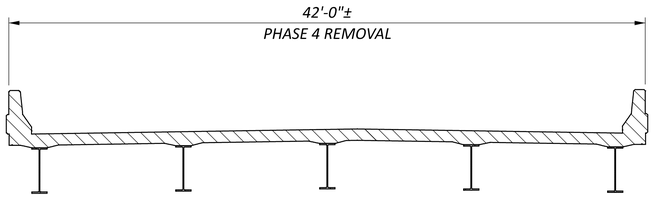
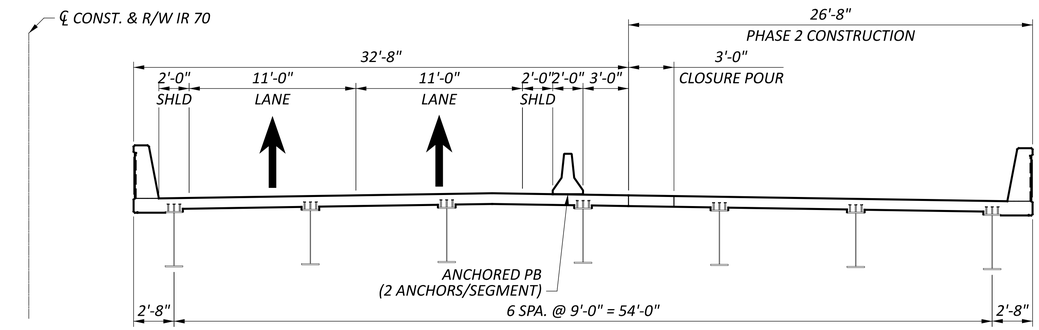
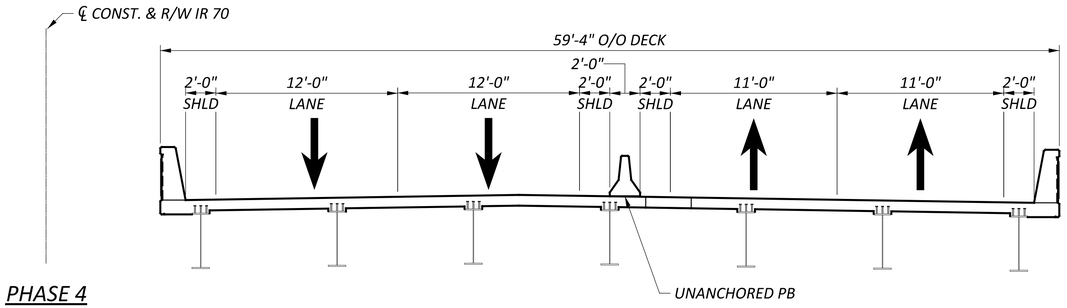


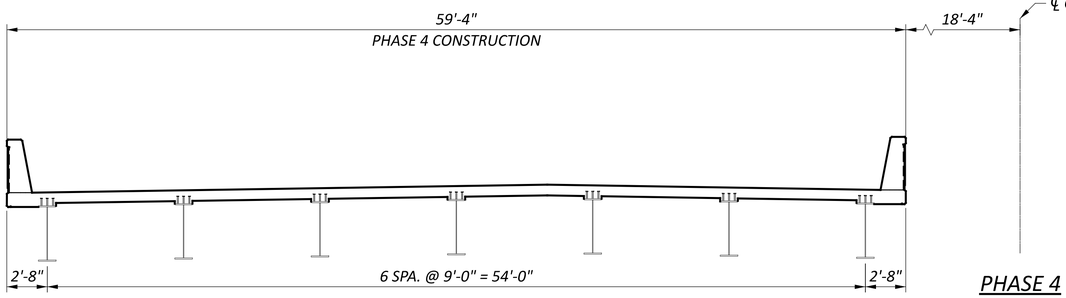




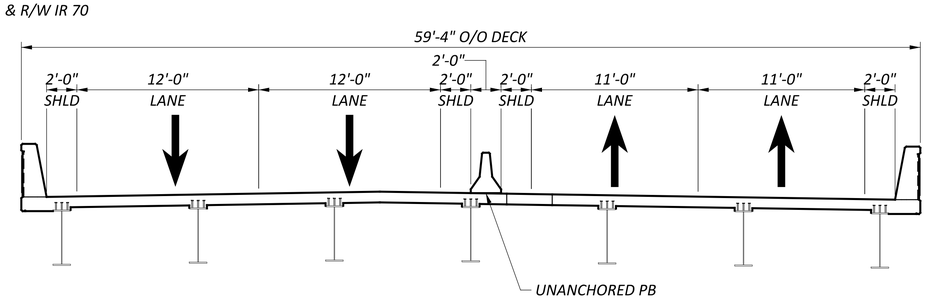
PHASE 2
CONSTRUCTION



PHASE 4
REMOVAL



PHASE 4
CONSTRUCTION



CONSTRUCTION SEQUENCE

PHASE 4:

1. INSTALL PORTABLE BARRIER AS SHOWN AND PER STD DWG PCB-91 OR RM-4.2.
2. REMOVE WB STRUCTURE.
3. CONSTRUCT WB STRUCTURE AND REMAINING PORTION OF MSE WALL.

LEGEND:

LIMITS OF REMOVAL PER ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN

PHASE CONSTRUCTION - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	7
TOTAL	30
SHEET	P.1429
TOTAL	P.1556

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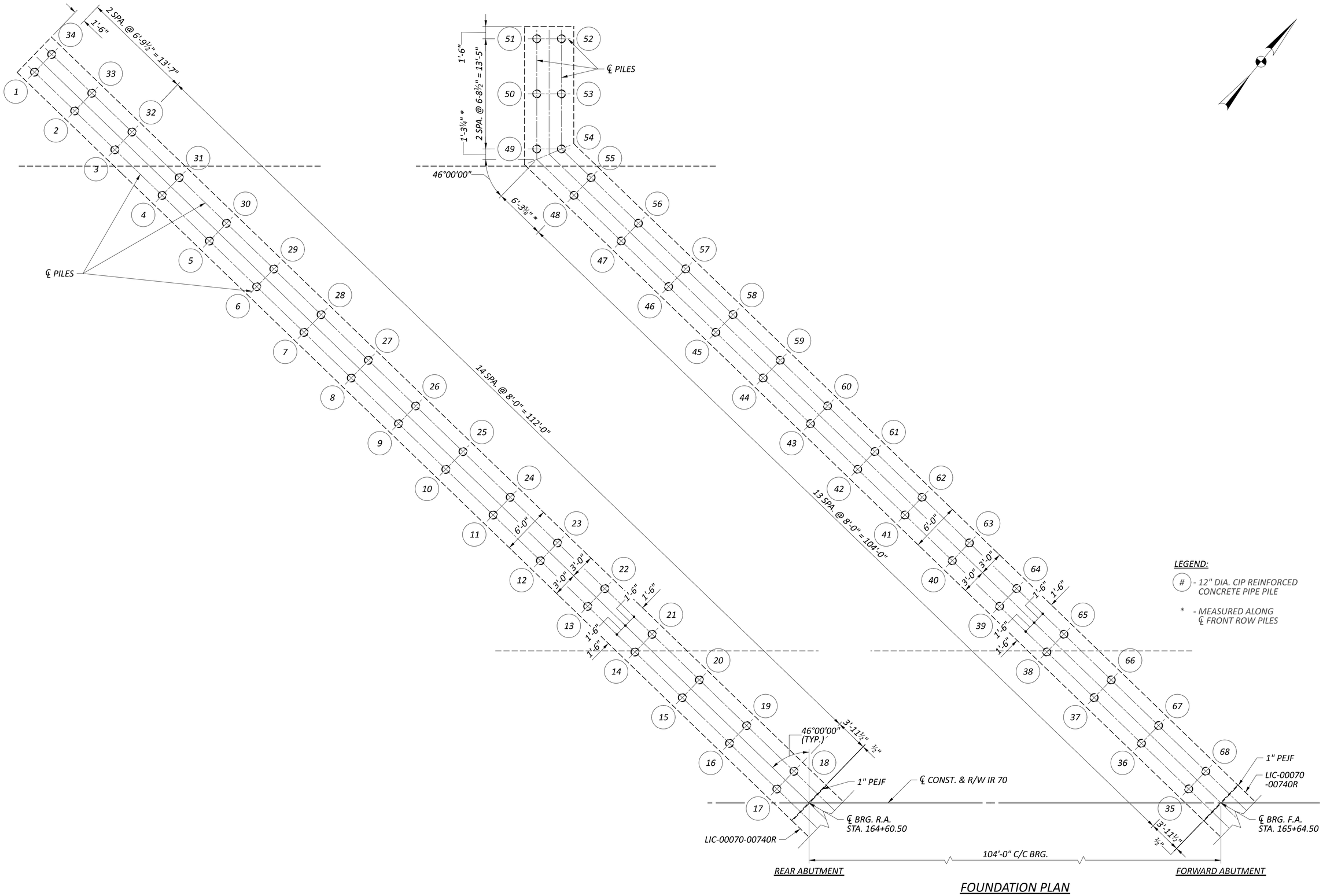

FOUNDATION PLAN

FAI/LIC-70-0.00/0.00

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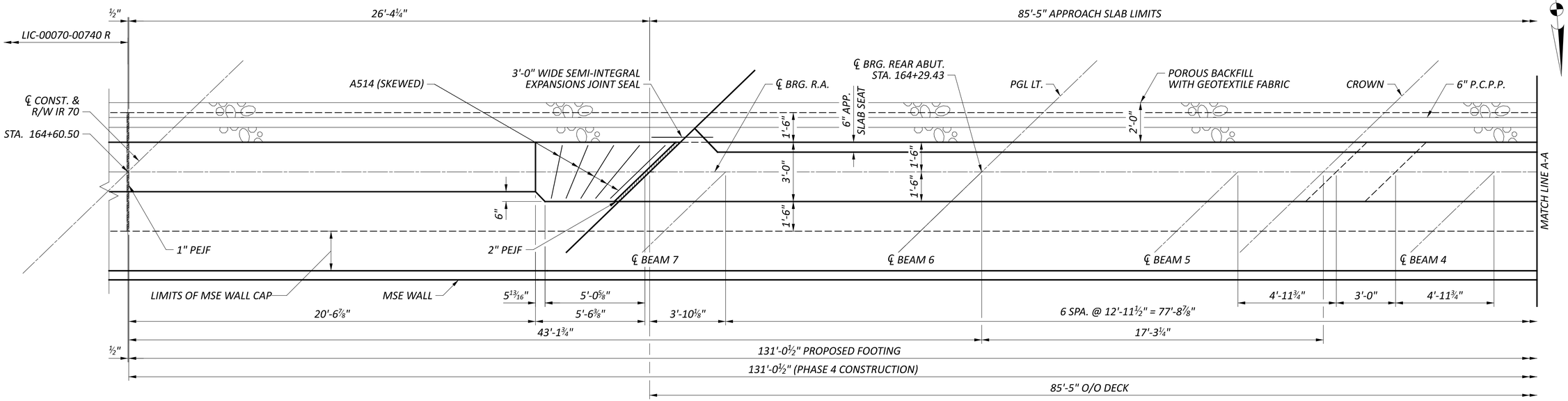
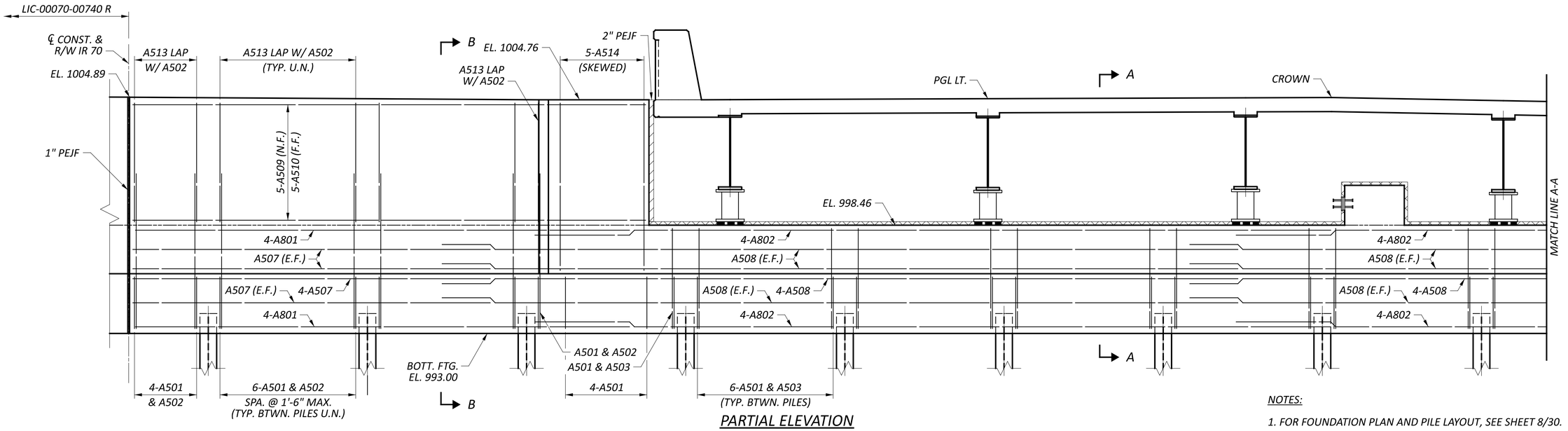
FOUNDATION PLAN
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	8
TOTAL	30
SHEET	P.1430
TOTAL	P.1556



PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 8/30.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 14/30.
3. FOR DIAPHRAGM DETAILS, SEE SHEETS 22/30 AND 24/30.
4. FOR SECTIONS A-A AND B-B, SEE SHEET 13/30.
5. FOR MATCH LINE A-A, SEE SHEET 10/30.

REAR ABUTMENT PLAN AND ELEVATION - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 9 | TOTAL 30
SHEET P.1431 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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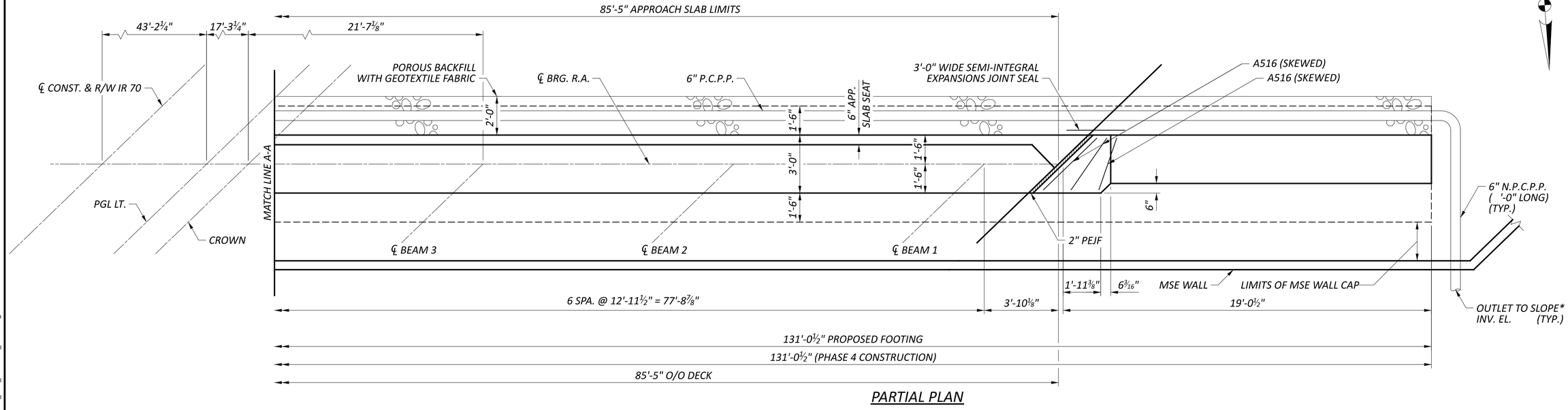
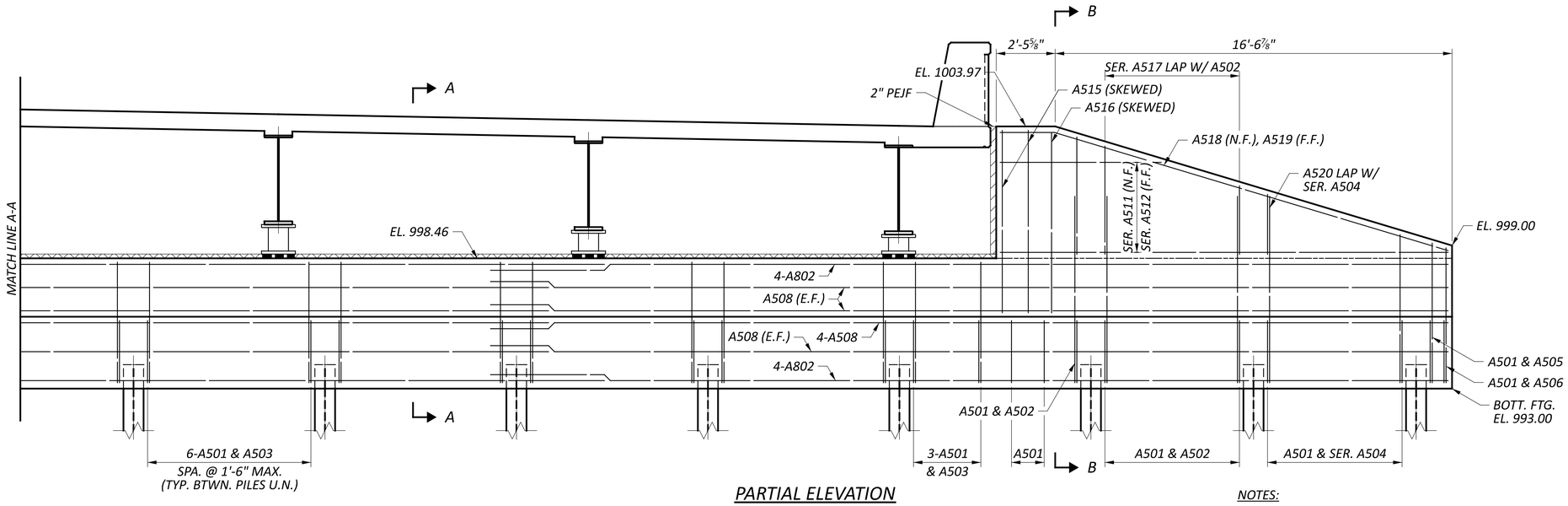


PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 8/30.
2. FOR DIAPHRAGM DETAILS, SEE SHEETS 22/30 AND 24/30.
3. FOR SECTIONS A-A AND B-B, SEE SHEET 13/30.
4. FOR MATCH LINE A-A, SEE SHEET 9/30.

REAR ABUTMENT PLAN AND ELEVATION - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY: STRUCTUREPOINT

DESIGNER	CHECKER
PEG	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
10	30

SHEET	TOTAL
P.1432	P.1556

FAI/LIC-70-0.00/0.00

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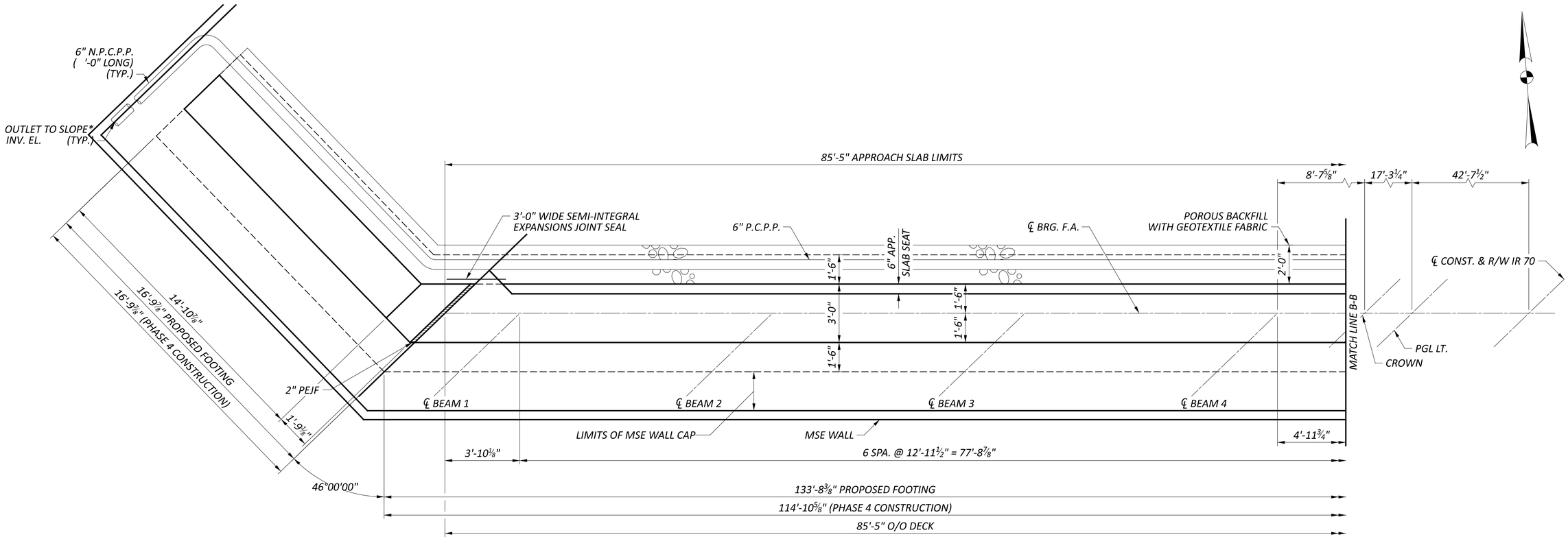
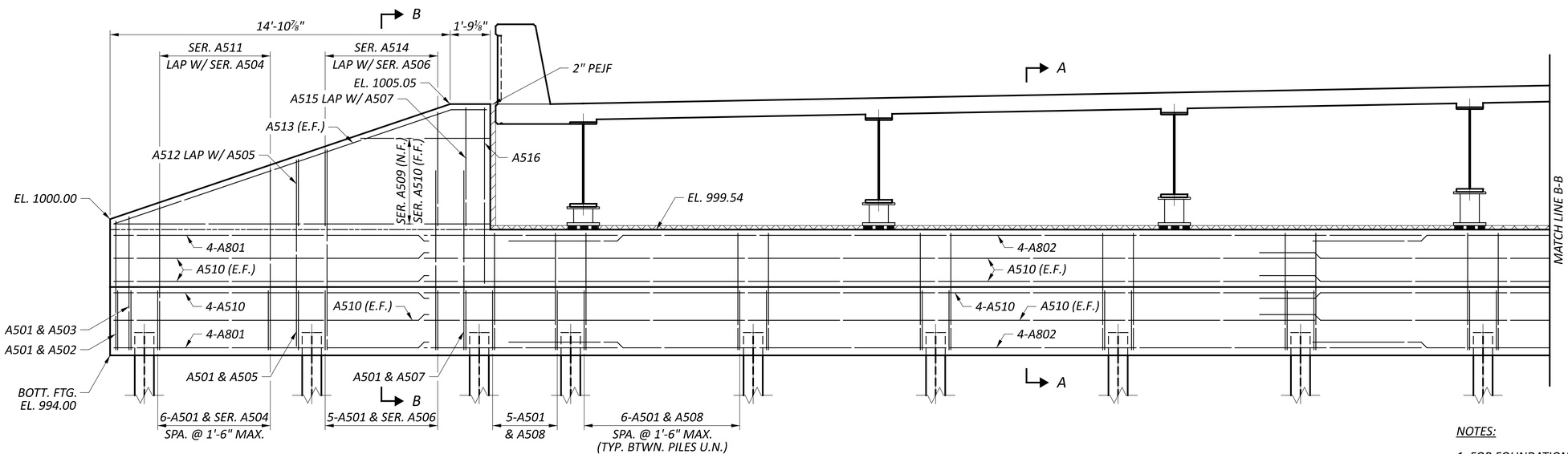


PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 8/30.
2. FOR DIAPHRAGM DETAILS, SEE SHEETS 23/30 AND 24/30.
3. FOR SECTIONS A-A AND B-B, SEE SHEET 13/30.
4. FOR MATCH LINE B-B, SEE SHEET 12/30.

FORWARD ABUTMENT PLAN AND ELEVATION - 1

BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY: STRUCTUREPOINT INC.
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 11 | TOTAL 30
SHEET P.1433 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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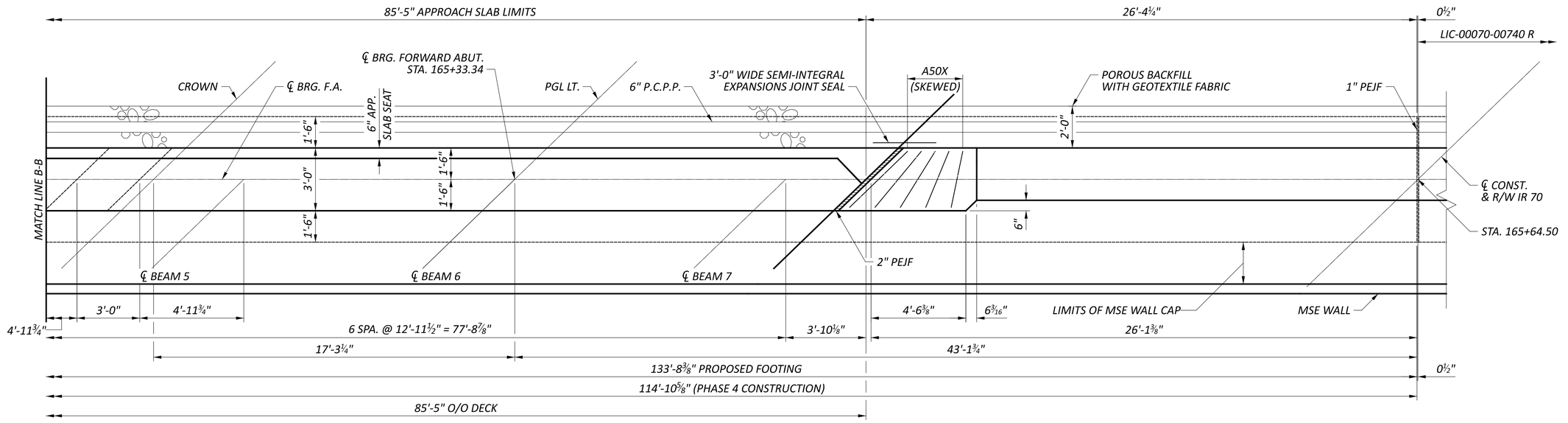
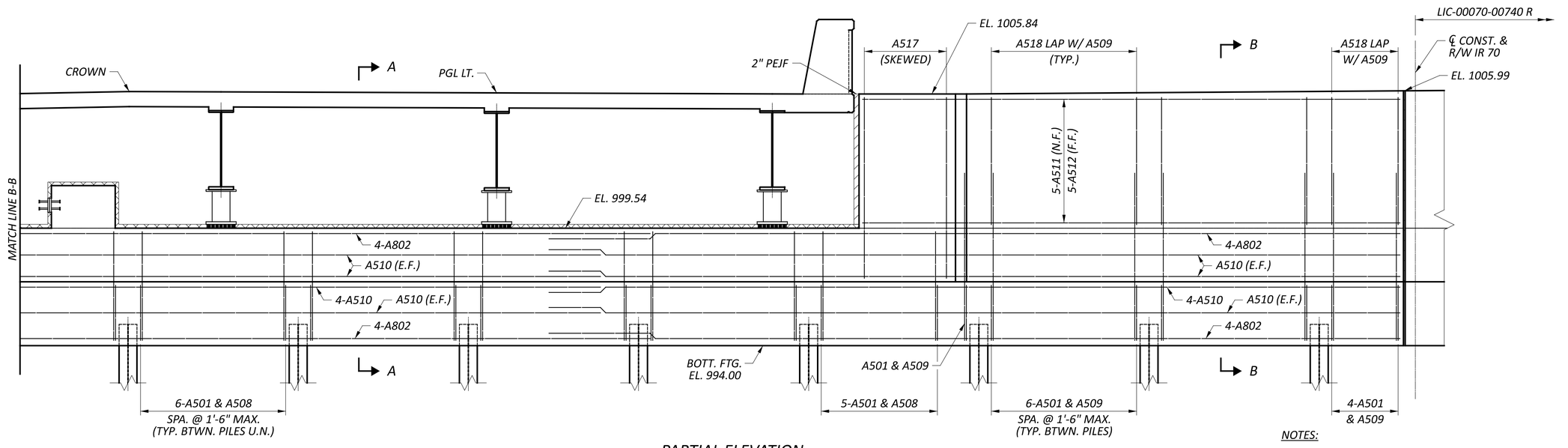


PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 8/30.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 14/30.
3. FOR DIAPHRAGM DETAILS, SEE SHEET 23/30 AND 24/30.
4. FOR SECTIONS A-A AND B-B, SEE SHEET 13/30.
5. FOR MATCH LINE B-B, SEE SHEET 11/30.

FORWARD ABUTMENT PLAN AND ELEVATION - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY: STRUCTUREPOINT INC.

DESIGNER	CHECKER
PEG	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
12	30

SHEET	TOTAL
P.1434	P.1556

FAI/LIC-70-0.00/0.00

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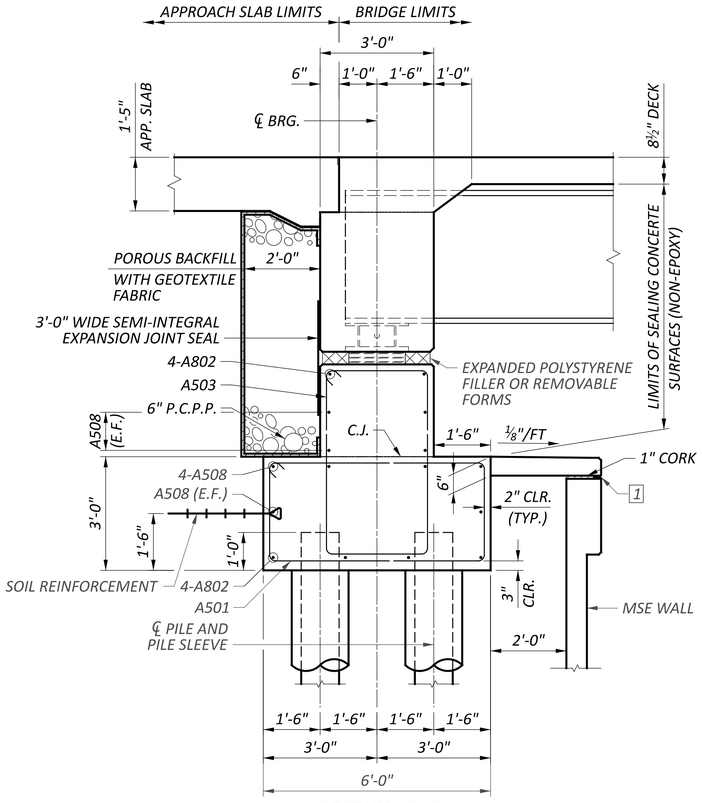
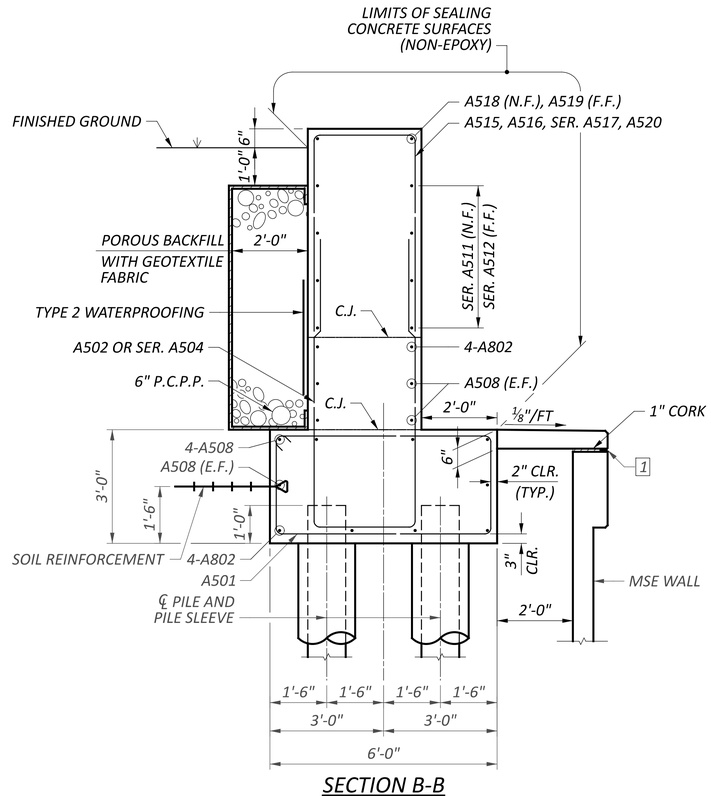


SECTION A-A



SECTION B-B

LEGEND:

1 - *1/2" DECK-O-SEAL GUN GRADE JOINT SEALANT OR APPROVED EQUAL, OVER 1" PREFORMED CORK EXPANSION JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03)*

ABUTMENT DETAILS
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	13
TOTAL	30
SHEET	P.1435
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:11:21 PM USER: brieder
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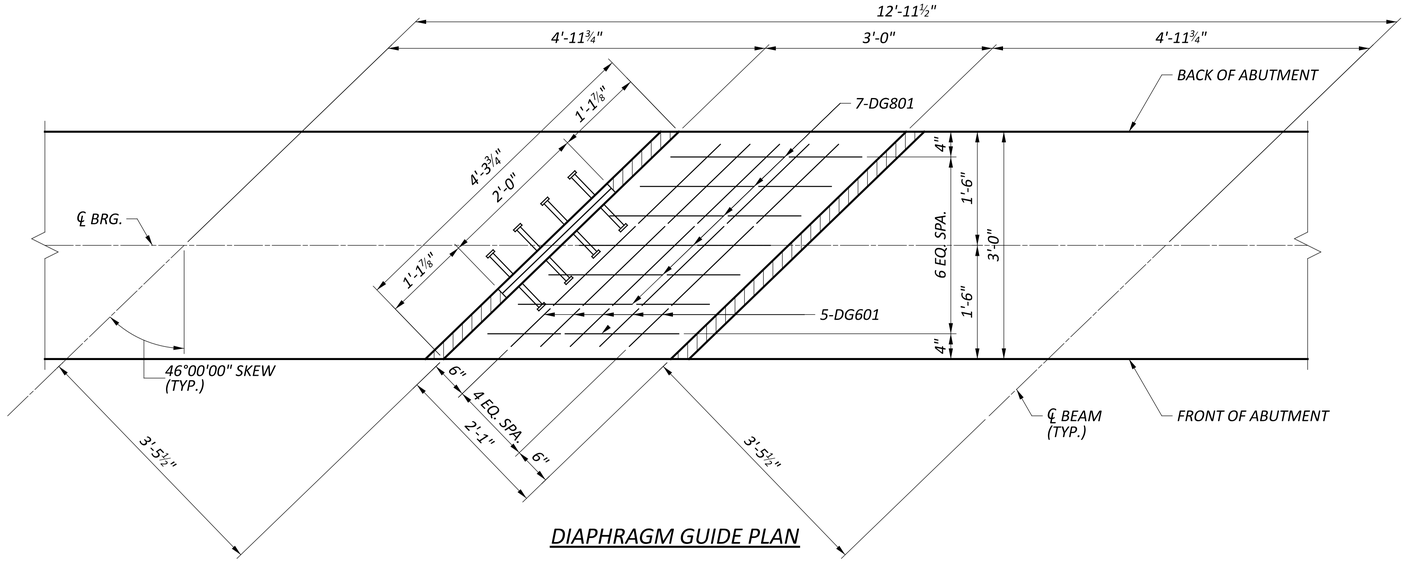
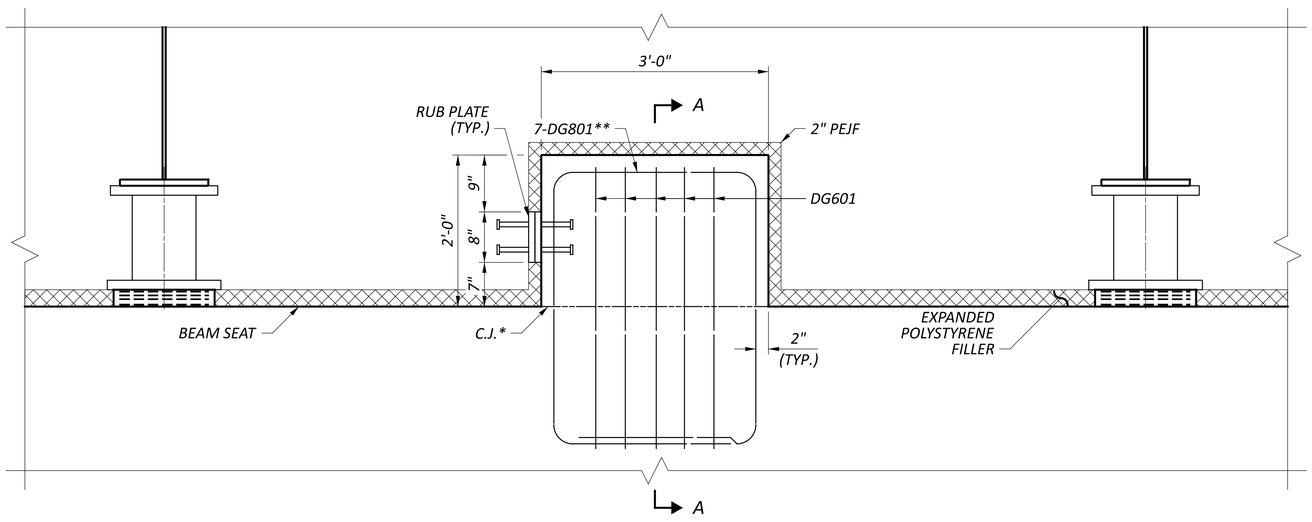
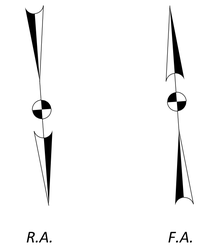
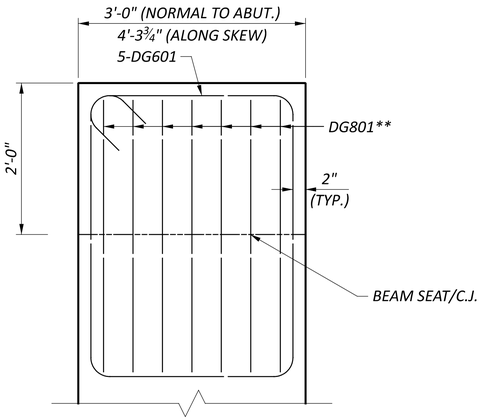


DIAPHRAGM GUIDE PLAN



DIAPHRAGM GUIDE ELEVATION





SECTION A-A

LEGEND:

* - *FINISH THE SURFACE OF THE CONSTRUCTION JOINT WITH A SERRATED TROWEL. THE SERRATIONS SHALL BE 1/4" DEEP.*

** - *PLACE TO AVOID INTERFERENCE WITH LONGITUDINAL REINFORCEMENT IN THE BEAM SEAT.*

NOTES:

1. *FOR ADDITIONAL DIAPHRAGM GUIDE DETAILS, SEE STANDARD DRAWING SICD-2-14.*
2. *FOR DIAPHRAGM GUIDE LOCATIONS, SEE SHEETS 9/30 THRU 12/30.*
3. *FOR DIAPHRAGM DETAILS, SEE SHEETS 22/30 THRU 24/30.*

ABUTMENT DIAPHRAGM GUIDE DETAILS

BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT LLC (A WSP FIRM)
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	14
TOTAL	30
SHEET	P.1436
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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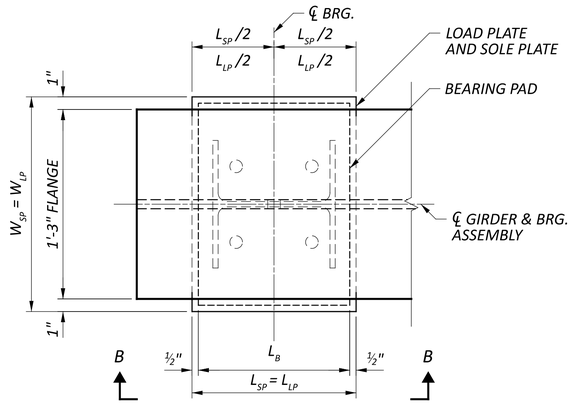
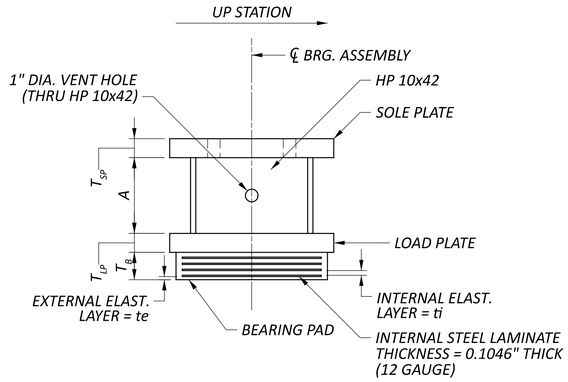
BEARING SCHEDULE										
LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L_B x W_B x T_B	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	STEEL LOAD PLATE L_{LP} x W_{LP} x T_{LP}	STEEL SOLE PLATE L_{SP} x W_{SP} x T_{SP}
REAR ABUT.	EXPANSION	7	1'-0" x 1'-4" x 2.168"	4 (t= 0.1046")	0.375"	4	0.25"	1	1'-1" x 1'-5" x 1½"	1'-1" x 1'-5" x 1½"
FWD. ABUT.	EXPANSION	7	1'-0" x 1'-4" x 2.168"	4 (t= 0.1046")	0.375"	4	0.25"	1	1'-1" x 1'-5" x 1½"	1'-1" x 1'-5" x 1½"

UNFACTORED BEARING LOADS (KIP)		
	R.A.	F.A.
DEAD LOAD	130.4	130.4
LIVE LOAD	51.1	51.1
TOTAL LOAD	181.5	181.5

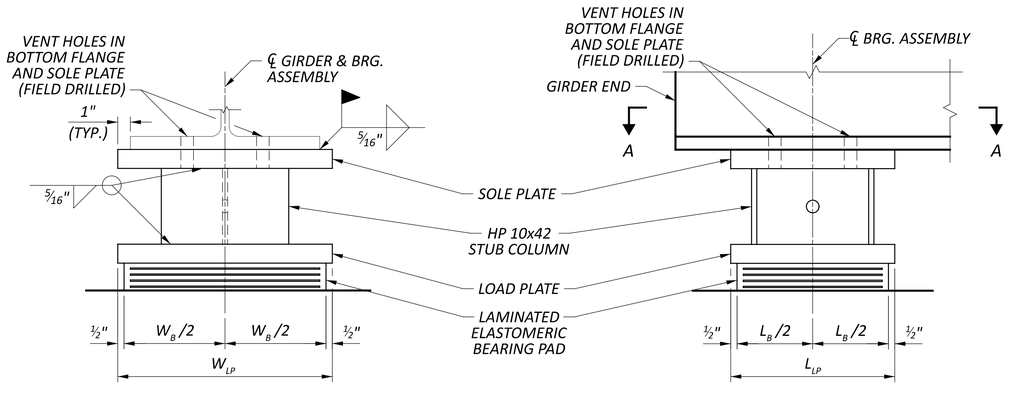


SECTION A-A



SECTION B-B

HP HEIGHT (INCH)	
GIRDER	A
1	6"
2	8 7/8"
3	11 13/16"
4	14 11/16"
5	16 7/16"
6	15 13/16"
7	15 5/16"



EXPANSION BEARINGS

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES, AND ROLLED SHAPES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL SOLE PLATES, HP SECTIONS AND LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, SHALL INCLUDE ALL LABOR, MATERIALS, FABRICATION, LOAD PLATE, SOLE PLATE, HP SHAPE, PAINTING, FIELD DRILLING VENT HOLES, AND EQUIPMENT NECESSARY TO COMPLETE THE BEARINGS IN PLACE.
4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER DAS | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 15 | TOTAL 30
SHEET P.1437 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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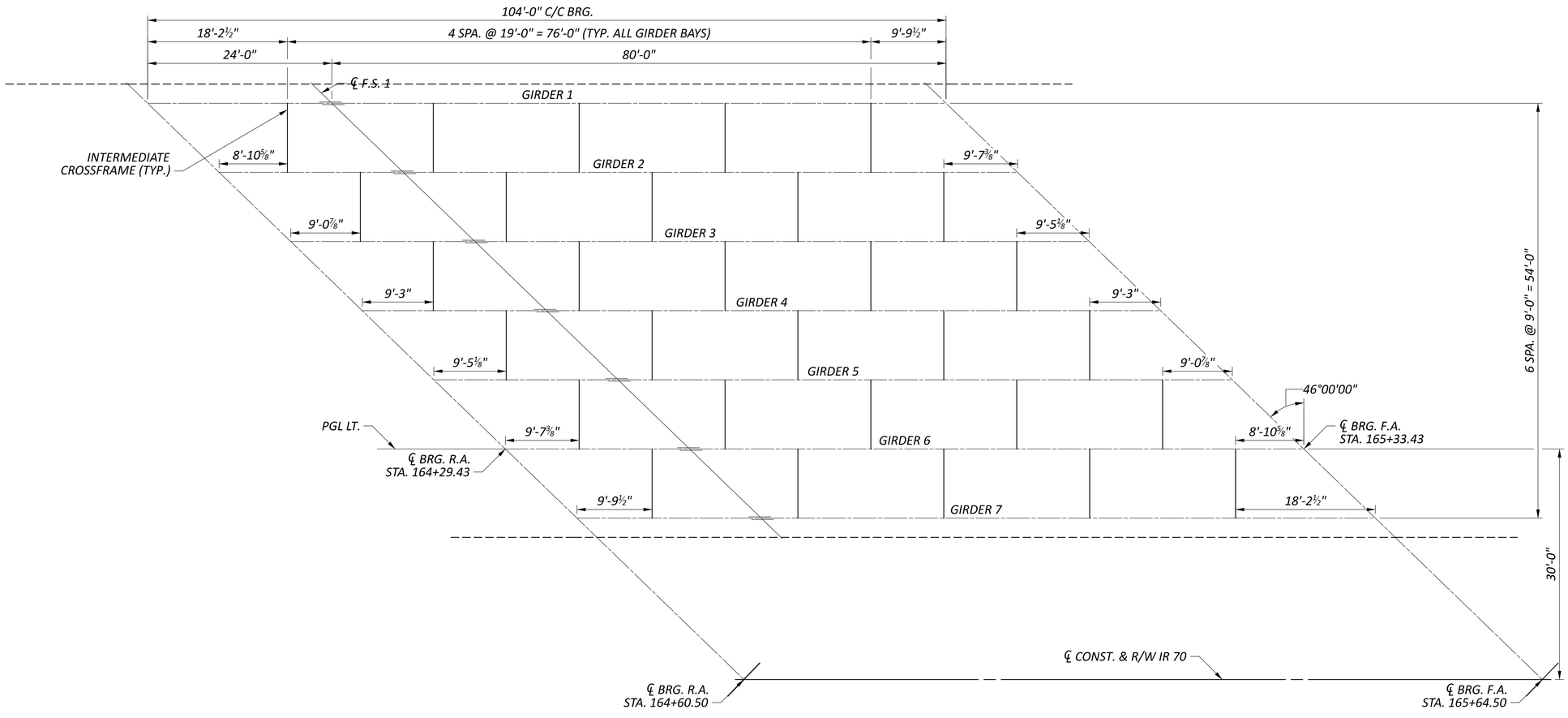

FRAMING PLAN

NOTES:

1. FOR GIRDER DETAILS, SEE SHEETS 17/30 THRU 19/30.
2. FOR TRANSVERSE SECTION, SEE SHEET 20/30.

FRAMING PLAN
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	JCS
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	16
TOTAL	30
SHEET	P.1438
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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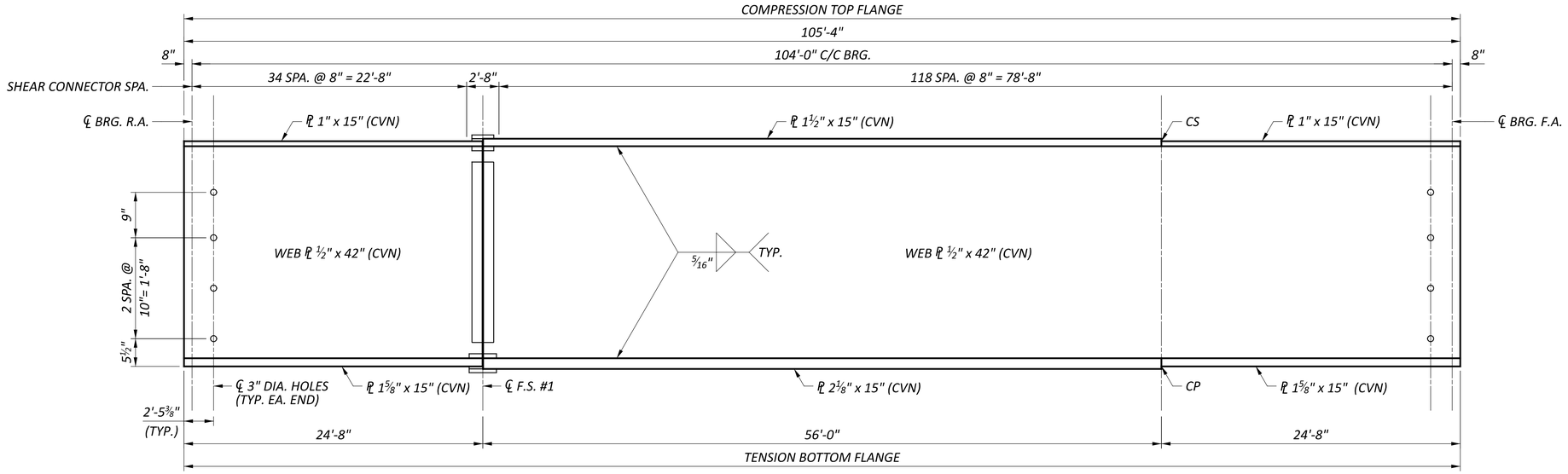
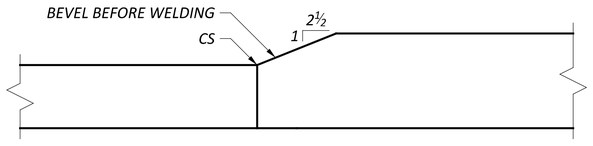
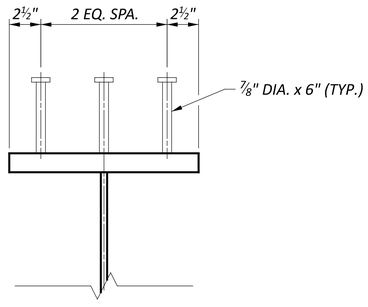


TYPICAL GIRDER ELEVATION



FLANGE WELD DETAIL

(TOP FLANGE SHOWN, BOTTOM SIMILAR)



TYPICAL SHEAR CONNECTOR DETAIL

LEGEND:

CS - INDICATES BUTT WELD SUBJECT TO COMPRESSION STRESSES ONLY

CP - INDICATES COMPLETE JOINT PENETRATION WELD

NOTES:

1. *FOR FRAMING PLAN, SEE SHEET 16/30.*
2. *FOR ADDITIONAL GIRDER DETAILS, SEE SHEETS 18/30 AND 19/30.*
3. *ALL STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 50, YIELD STRENGTH 50 KSI.*
4. *ALL FLANGE AND WEB PLATES, INCLUDING FIELD SPLICE PLATES, CROSS FRAME MEMBERS, AND CROSS FRAME CONNECTION STIFFENERS, SHALL BE DESIGNATED "CVN".*
5. *WHERE A SHAPE OR PLATE IS DESIGNATED "CVN", FURNISH MATERIAL THAT MEETS THE MINIMUM NOTCH TOUGHNESS REQUIREMENT AS SPECIFIED IN CMS 711.01.*
6. *ALL BOLTED CONNECTIONS SHALL BE SLIP CRITICAL USING 7/8" DIAMETER A325 GALVANIZED TYPE 1 BOLTS, UNLESS OTHERWISE NOTED. HOLES IN CROSSFRAME CONNECTIONS MAY BE OVERSIZED AT 15/16" DIAMETER IN ONE PLY ONLY.*
7. *AT ALL FIELD SPLICES, BOLT HEADS SHALL BE PLACED ON THE OUTSIDE FACE OF THE EXTERIOR BEAMS, ON THE BOTTOM OF THE BOTTOM FLANGE SPLICE PLATES, AND ON THE TOP OF THE TOP FLANGE SPLICE PLATES.*
8. *GIRDERS AND CROSS FRAMES SHALL BE FABRICATED SUCH THAT WEBS ARE PLUMB UNDER THE STEEL DEAD LOAD CONDITION.*
9. *GIRDER ENDS AT THE ABUTMENTS SHALL BE VERTICAL (PARALLEL TO ABUTMENT FACE) UNDER FULL DEAD LOAD ROTATION.*
10. *FOR STEEL ERECTION, TWO OR MORE GIRDERS MUST BE ERECTED AND FULLY BRACED BEFORE SUSPENDING OPERATIONS. GIRDERS SHALL BE TEMPORARILY ANCHORED, BRACED OR OTHERWISE SUPPORTED TO MAINTAIN STABILITY UNTIL THE CROSSFRAMES ARE CONNECTED.*
11. *COMPLETE JOINT PENETRATION WELDS SHALL BE GROUND SMOOTH IN LONGITUDINAL DIRECTION TO REMOVE WELD REINFORCEMENT.*

GIRDER DETAILS - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	JCS
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	17
TOTAL	30
SHEET	P.1439
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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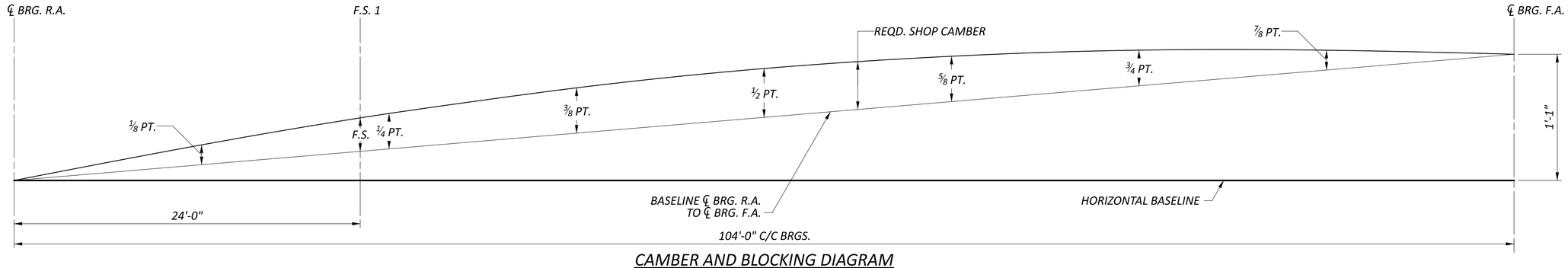
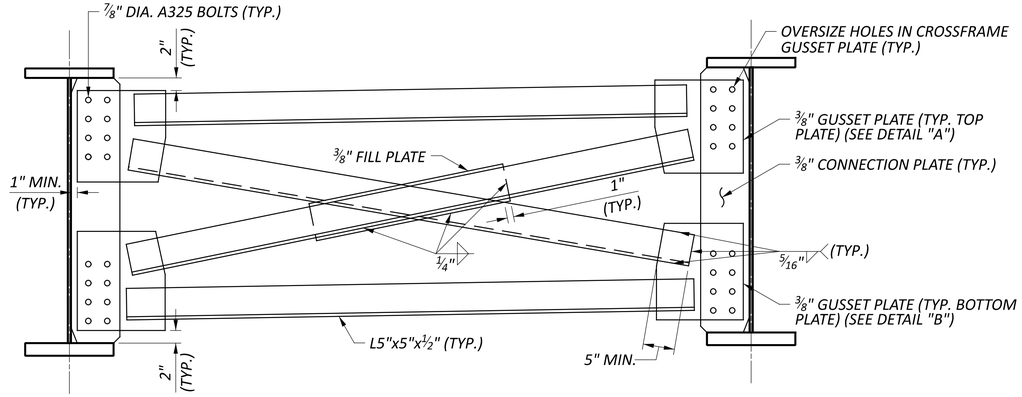
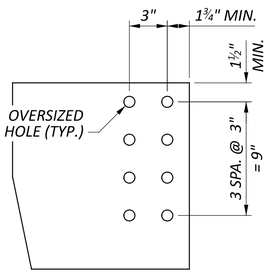
STRUCTURAL STEEL DEFLECTION & CAMBER TABLE										
	℄ BRG. R.A.	1/8 POINT	F.S. 1	1/4 POINT	3/8 POINT	1/2 POINT	5/8 POINT	3/4 POINT	7/8 POINT	℄ BRG. F.A.
DEFLECTION DUE TO WEIGHT OF STEEL	0"	3/8"	5/8"	5/8"	13/16"	7/8"	13/16"	5/8"	3/8"	0"
DEFLECTION DUE TO REMAINING DEADLOAD	0"	1 11/16"	2 7/8"	3 1/16"	3 7/8"	4 3/16"	3 7/8"	3 1/16"	1 11/16"	0"
ADJUSTMENT REQUIRED FOR VERTICAL CURVE	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
REQUIRED SHOP CAMBER	0"	2 1/16"	3 1/2"	3 11/16"	4 11/16"	5 1/16"	4 11/16"	3 11/16"	2 1/16"	0"



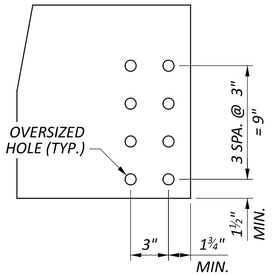
CAMBER AND BLOCKING DIAGRAM



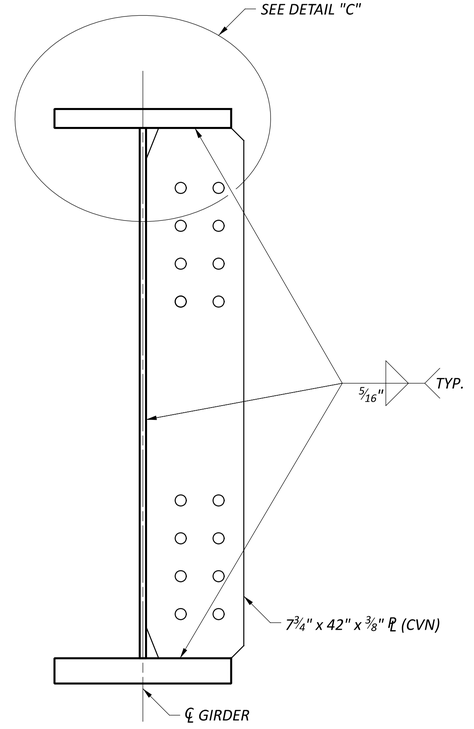
TYPICAL INTERMEDIATE CROSSFRAME



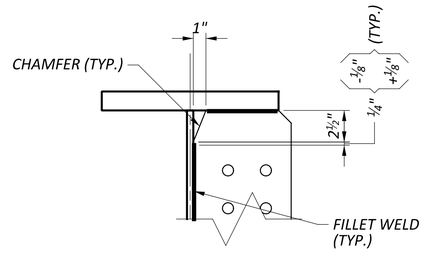
DETAIL "A"



DETAIL "B"



CROSSFRAME CONNECTION PLATE



DETAIL "C"

WELD AND CLIP DETAIL

NOTES:

1. FOR FRAMING PLAN, SEE SHEET 16/30.
2. FOR GIRDER ELEVATION AND ADDITIONAL NOTES, SEE SHEET 17/30.
3. FOR ADDITIONAL INTERMEDIATE CROSSFRAME DETAILS, SEE STANDARD DRAWING GSD-1-19.

GIRDER DETAILS - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT
DESIGNER PEG | CHECKER JCS
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 18 | TOTAL 30
SHEET P.1440 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:12:10 PM USER: brieder
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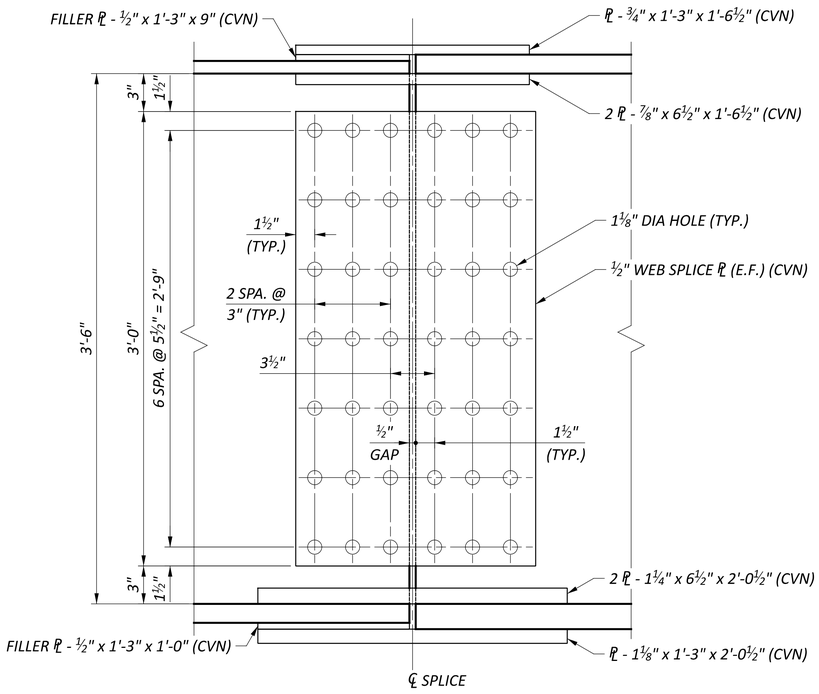
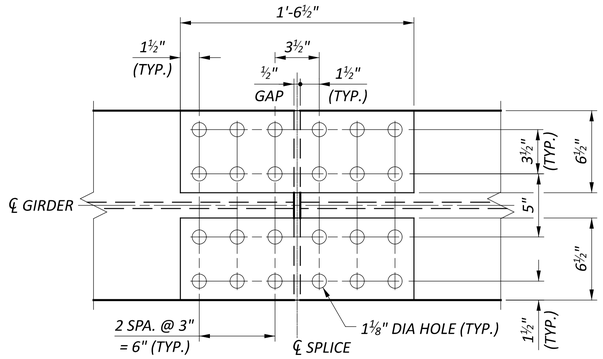
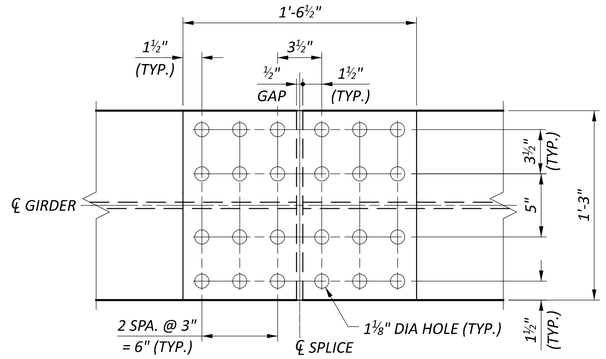


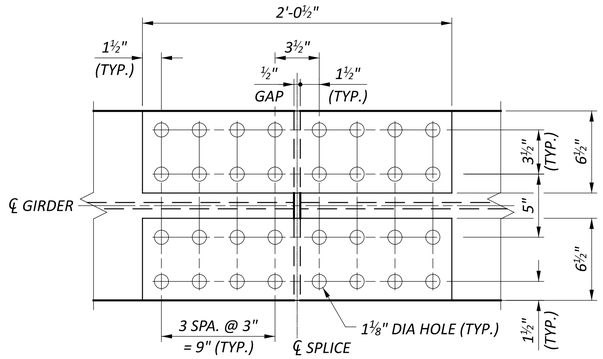
WEB PLATE



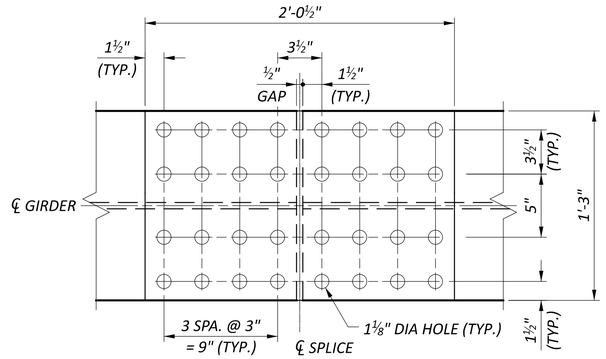
TOP FLANGE INNER PLATES



TOP FLANGE OUTER PLATE



TOP FLANGE INNER PLATES



BOTTOM FLANGE OUTER PLATE

NOTES:

1. FOR FRAMING PLAN, SEE SHEET 16/30.
2. FOR GIRDER ELEVATION AND ADDITIONAL NOTES, SEE SHEET 17/30.
3. ALL FIELD SPLICE BOLTS SHALL BE HIGH STRENGTH 1" DIA. ASTM A325 BOLTS.

GIRDER DETAILS - 3
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	JCS
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	19
TOTAL	30
SHEET	P.1441
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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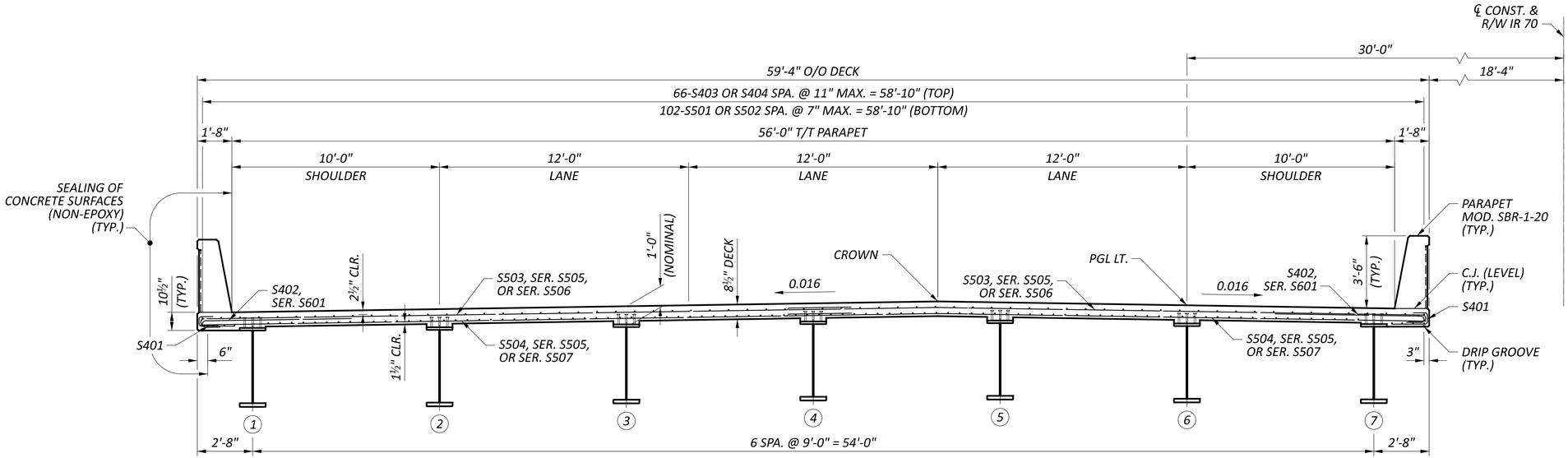

TRANSVERSE SECTION

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"

LEGEND:

(#) - PROPOSED GIRDER NUMBER

NOTES:

1. FOR DECK PLAN, SEE SHEET 21/30.
2. FOR PARAPET DETAILS, SEE SHEET 27/30.
3. FOR INTERMEDIATE CROSSFRAME DETAILS, SEE SHEET 18/30.
4. THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH BEAM/GIRDER HAUNCH. THE ESTIMATE ASSUMES A VARIABLE HAUNCH THICKNESS AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.
5. THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF BEAM/GIRDER, FROM THE SURFACE OF THE DECK TO THE TOP OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.

TRANSVERSE SECTION
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER	CHECKER
ACM	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
20	30

SHEET	TOTAL
P.1442	P.1556

FAI/LIC-70-0.00/0.00

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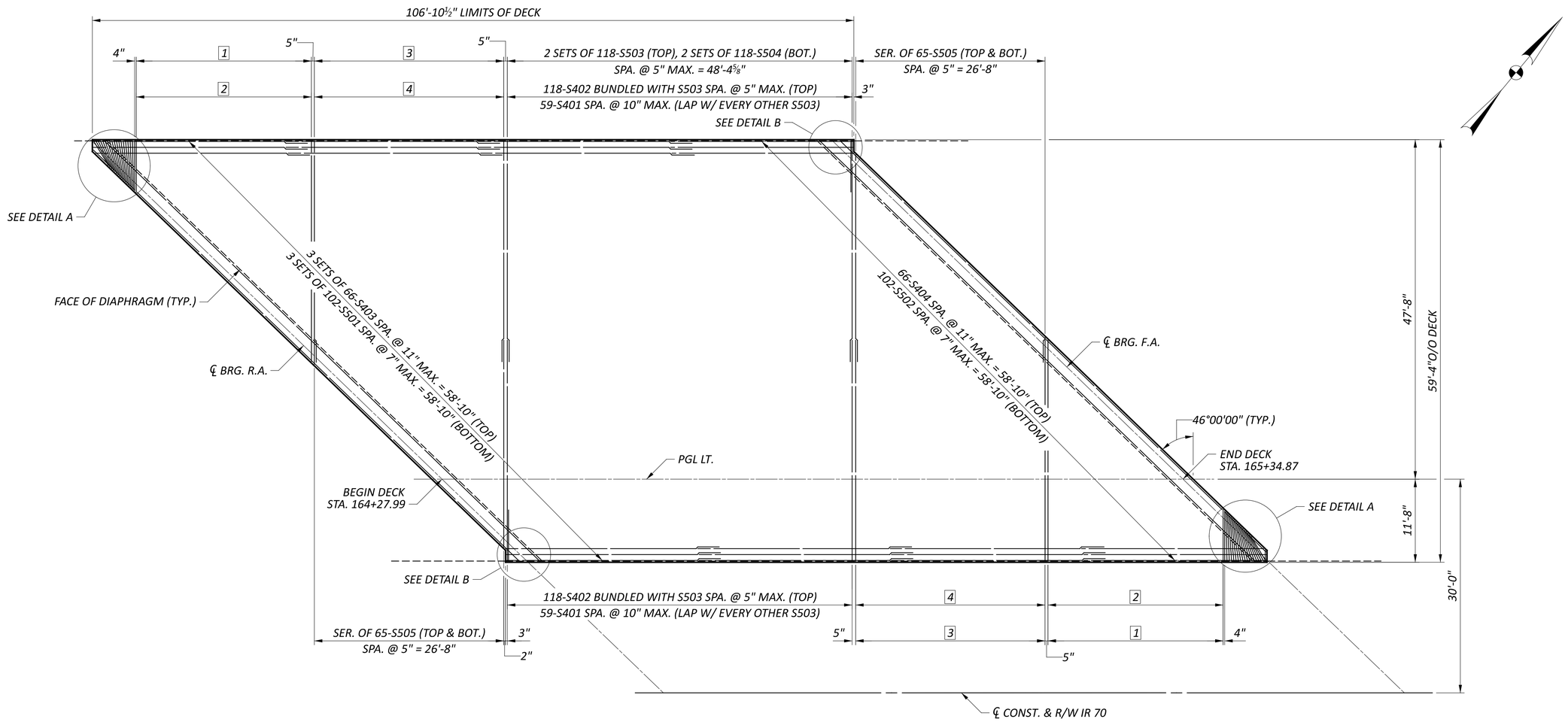
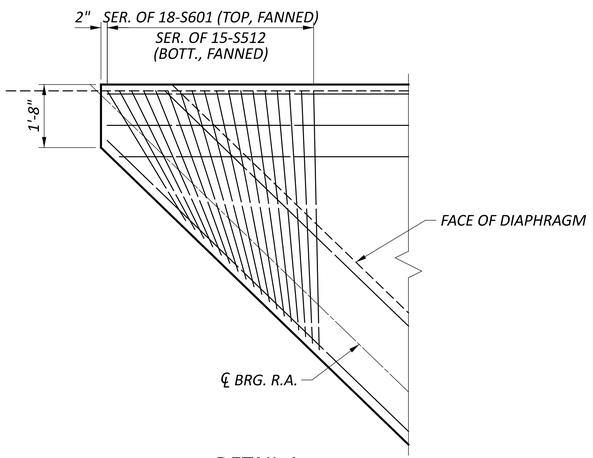
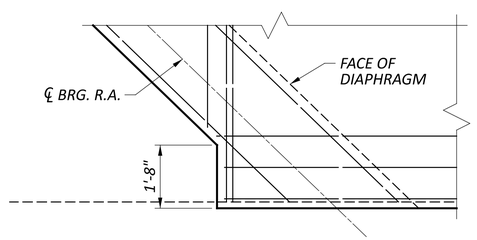


DECK PLAN



DETAIL A
(NW CORNER SHOWN, SE CORNER SIMILAR)



DETAIL B
(SW CORNER SHOWN, NE CORNER SIMILAR)

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"

LEGEND:

1 - SER. OF 60-S506 (TOP), SER. OF 60-S507 (BOT.)
SPA. @ 5" = 24'-7"

2 - 60-S402 BUNDLED WITH S506 SPA. @ 5" (TOP)
30-S401 SPA. @ 10" (LAP WITH EVERY OTHER S506)

3 65-S503 (TOP), 65-S504 (BOT.)
SPA. @ 5" = 26'-8"

4 65-S402 BUNDLED WITH S503 SPA. @ 5" (TOP)
33-S401 SPA. @ 10" (LAP WITH EVERY OTHER S503)

NOTES:

1. FOR PARAPET DETAILS, SEE SHEET 27/30.

DECK PLAN
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER ACM | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 21 | TOTAL 30
SHEET P.1443 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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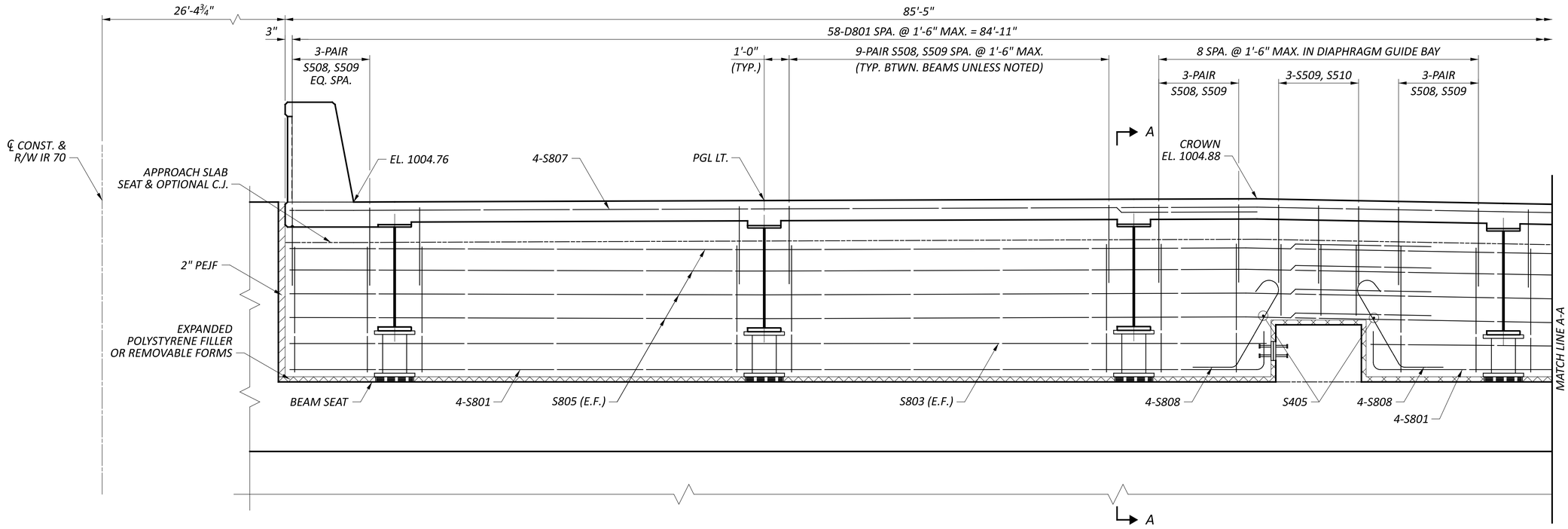
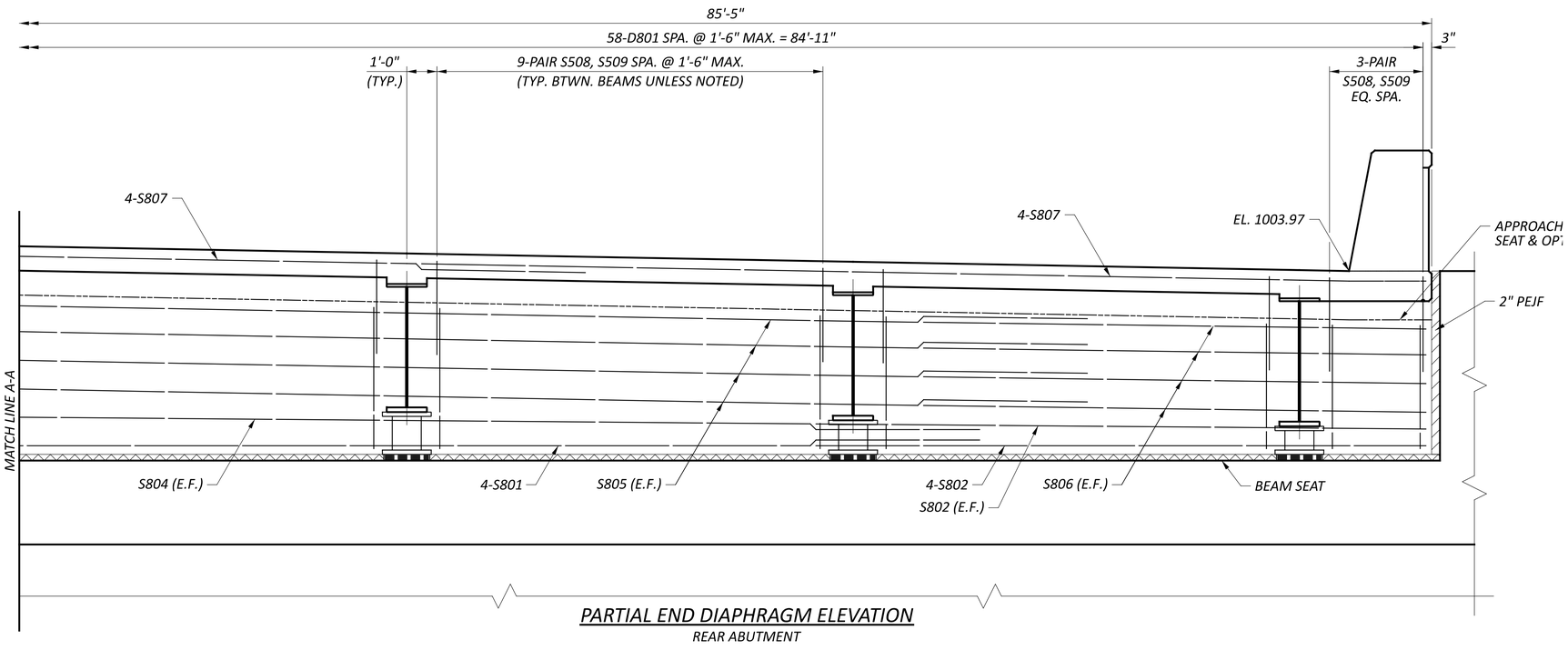


PARTIAL END DIAPHRAGM ELEVATION
REAR ABUTMENT



PARTIAL END DIAPHRAGM ELEVATION
REAR ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A, SEE SHEET 24/30.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 14/30.

SUPERSTUCTURE DETAILS - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	22
TOTAL	30
SHEET	P.1444
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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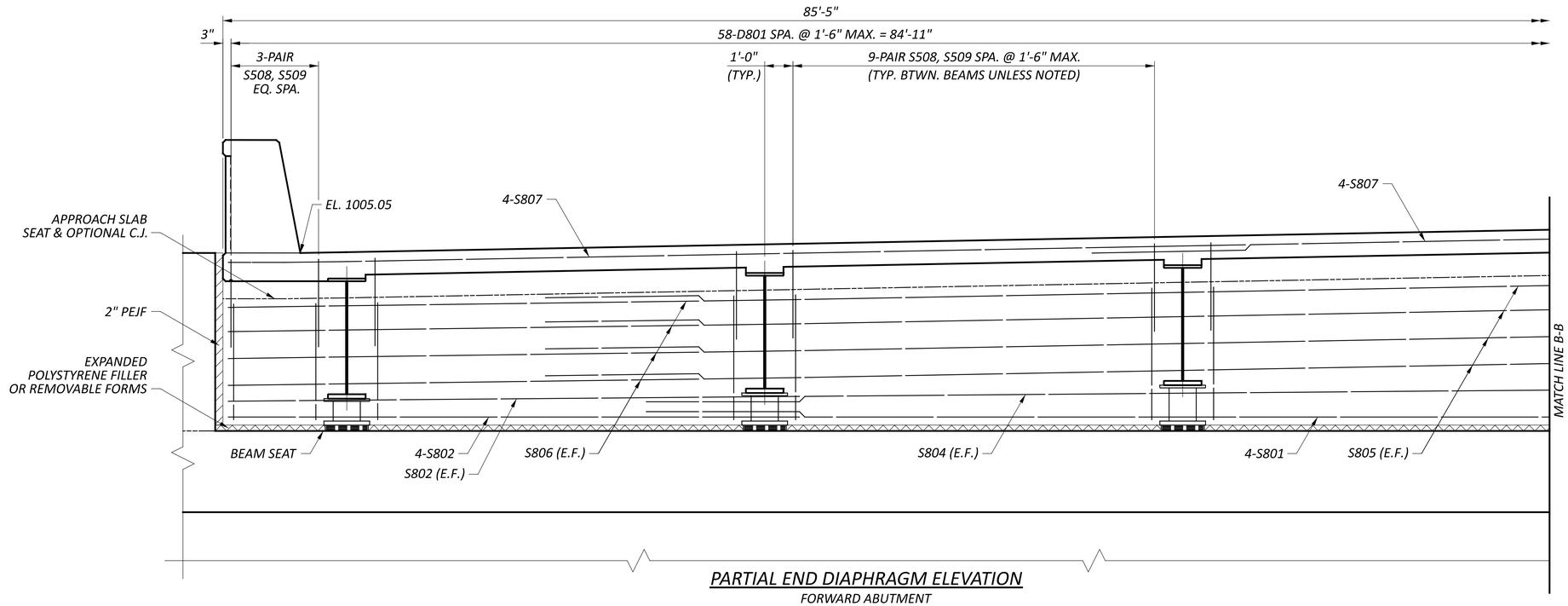
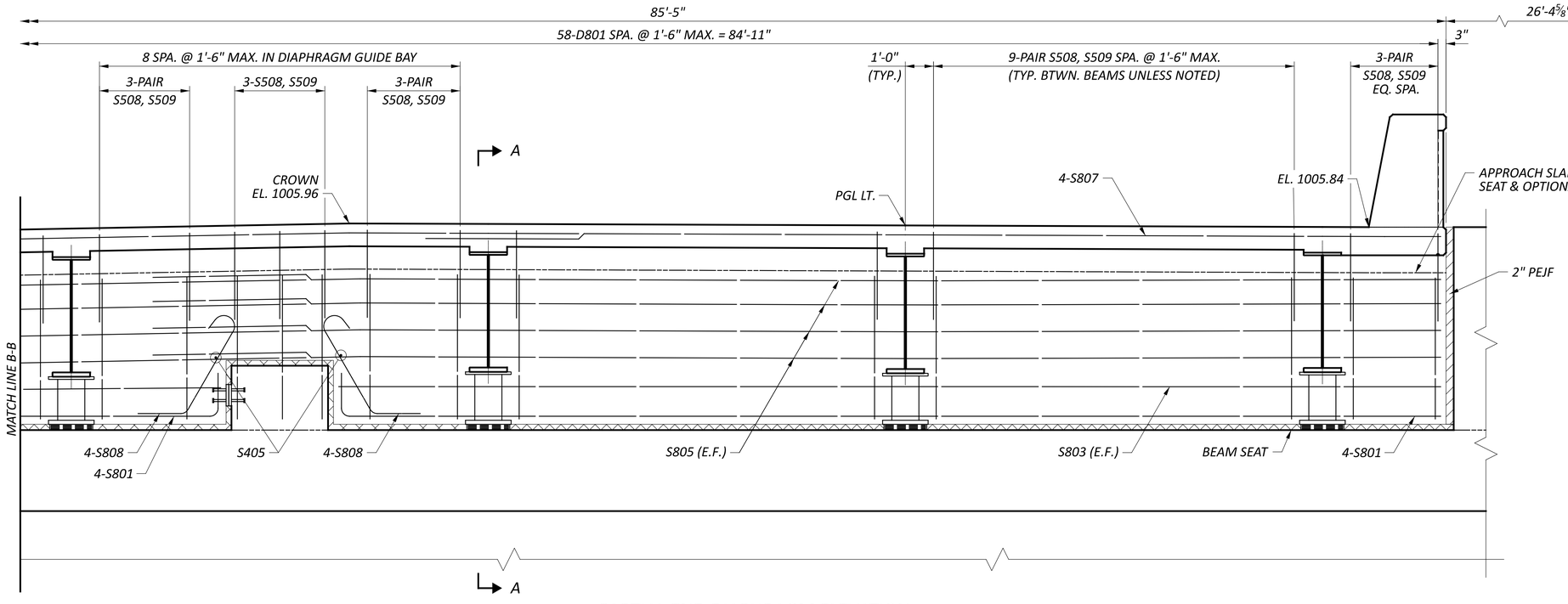


PARTIAL END DIAPHRAGM ELEVATION

FORWARD ABUTMENT



PARTIAL END DIAPHRAGM ELEVATION

FORWARD ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A, SEE SHEET 24/30.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 14/30.

SUPERSTUCTURE DETAILS - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
PEG	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
23	30

SHEET	TOTAL
P.1445	P.1556

FAI/LIC-70-0.00/0.00

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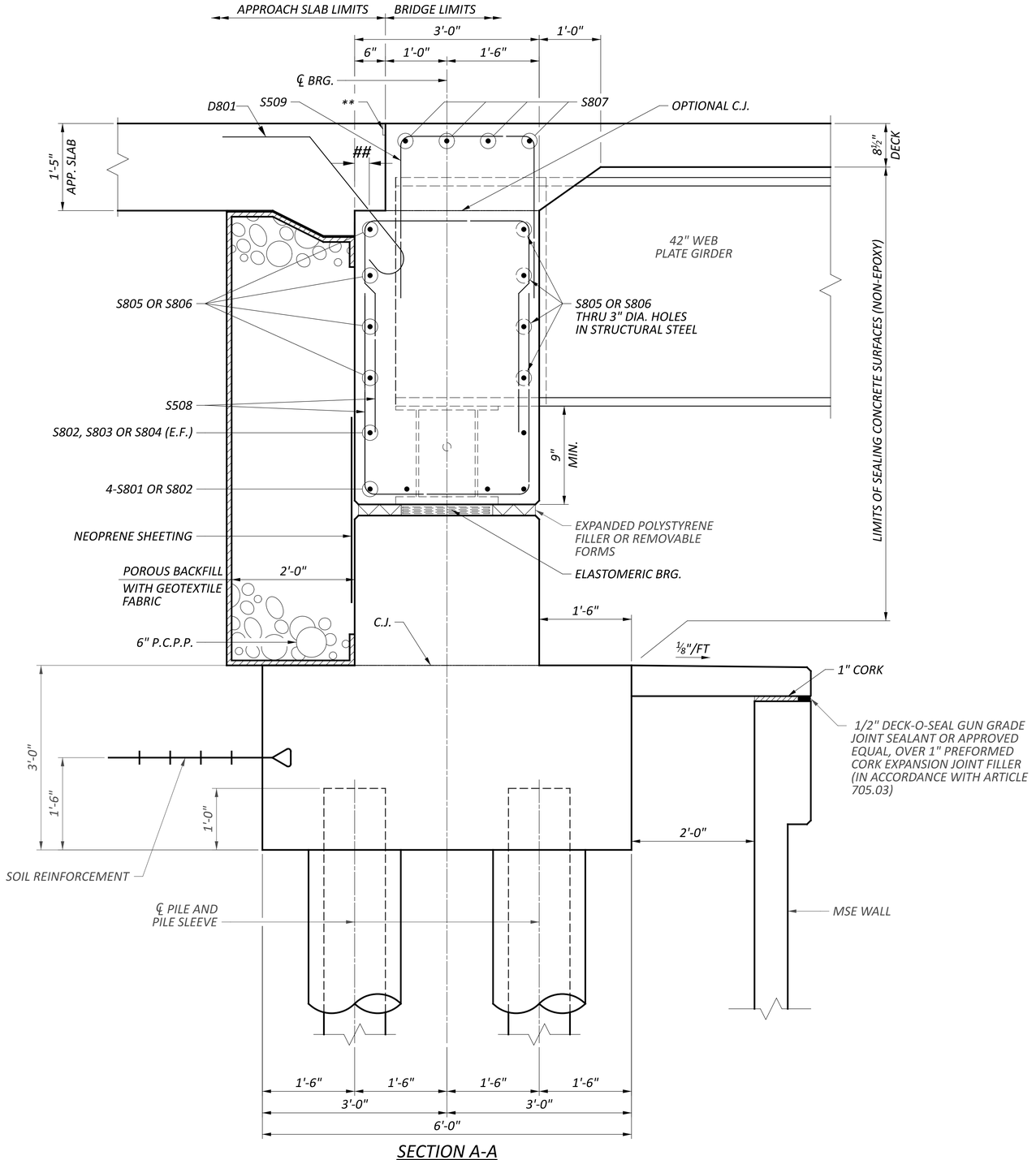

SECTION A-A

$2\frac{1}{4}" \pm \frac{1}{4}"$ CLR.

** SEE DETAIL "B" ON STANDARD DRAWING AS-1-15

NOTES:

1. FOR ABUTMENT DETAILS, SEE SHEETS 9/30 THRU 13/30.
2. ABUTMENT DIAPHRAGM CONCRETE: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET.

SUPERSTUCTURE DETAILS - 3
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	24
TOTAL	30
SHEET	P.1446
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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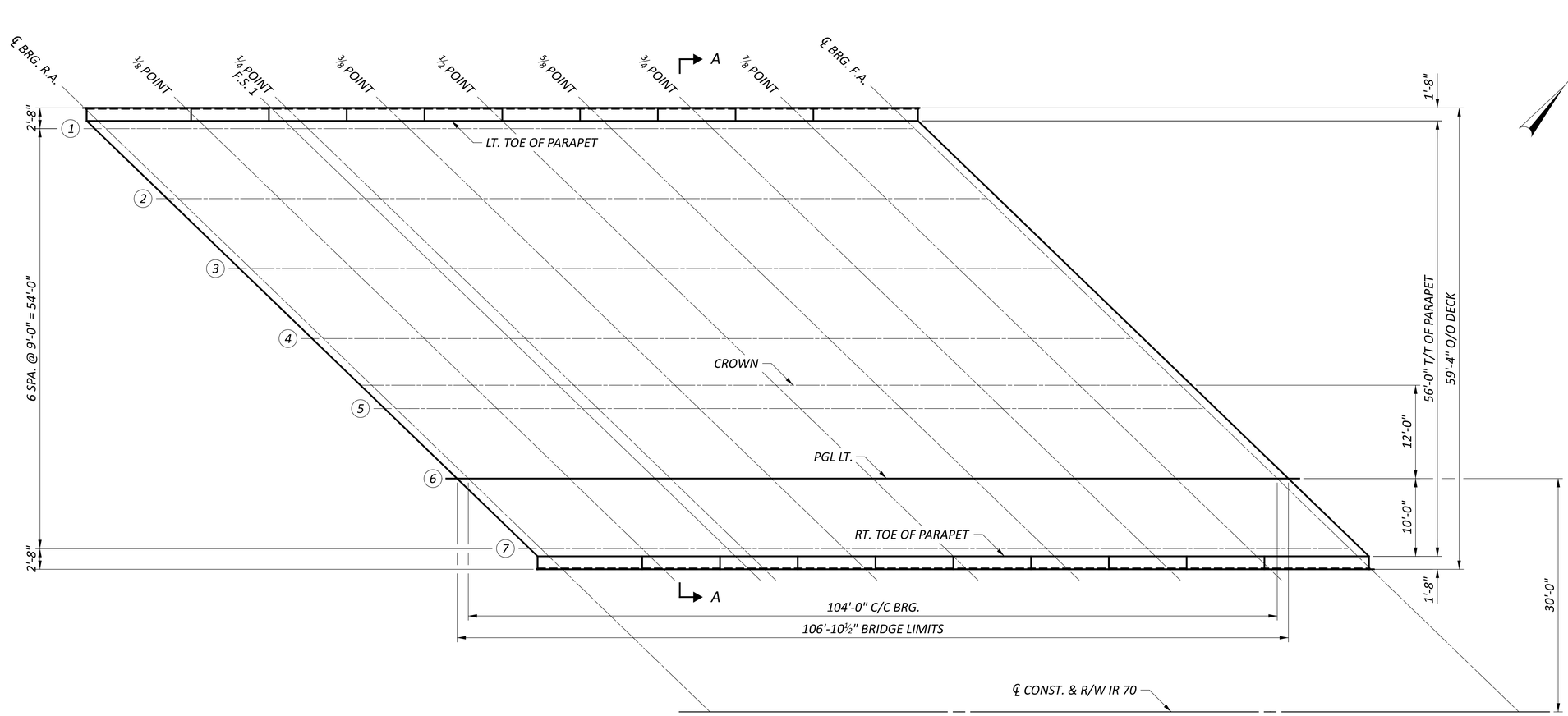
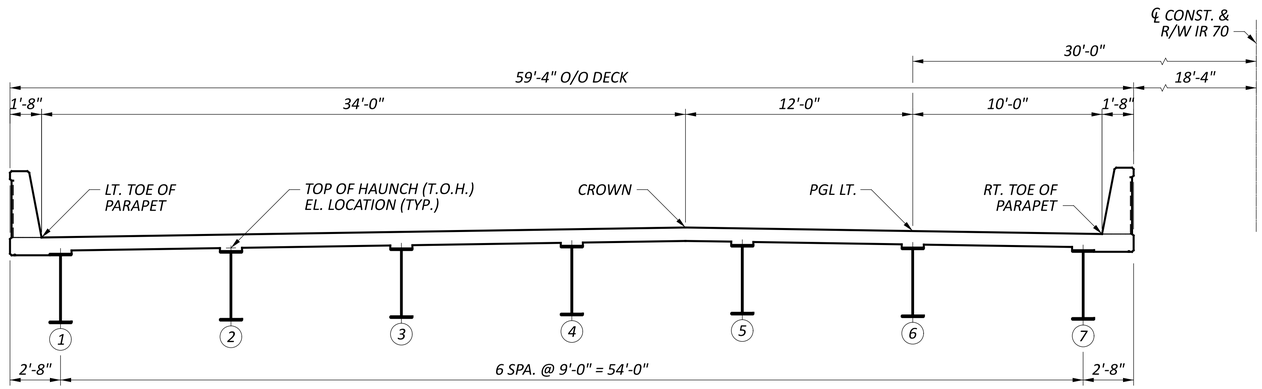


SCREED LAYOUT PLAN



SECTION A-A

LEGEND

(#) - *PROPOSED GIRDER NUMBER*

NOTES:

1. FOR SCREED ELEVATIONS, SEE SHEET 26/30.

SCREED DETAILS - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN	4502885
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	DAS
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	25
TOTAL	30
SHEET	P.1447
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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HAUNCH AND SCREED ELEVATIONS TABLE

SCREED LINE \ DESCRIPTION		℄ BRG. R.A.	1/8 POINT	F.S. 1	1/4 POINT	3/8 POINT	1/2 POINT	5/8 POINT	3/4 POINT	7/8 POINT	℄ BRG. F.A.
SCREED ELEVATIONS											
LT. TOE OF PARAPET	STATION	163+81.80	163+94.80	164+05.80	164+07.80	164+20.80	164+33.80	164+46.80	164+59.80	164+72.80	164+85.80
	F.D.S. ELEV.	1003.97	1004.10	1004.22	1004.24	1004.37	1004.51	1004.64	1004.78	1004.91	1005.05
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1003.97	1004.24	1004.45	1004.49	1004.70	1004.86	1004.97	1005.03	1005.05	1005.05
CROWN	STATION	164+17.01	164+30.01	164+41.01	164+43.01	164+56.01	164+69.01	164+82.01	164+95.01	165+08.01	165+21.01
	F.D.S. ELEV.	1004.88	1005.01	1005.13	1005.15	1005.28	1005.42	1005.55	1005.69	1005.82	1005.96
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1004.88	1005.15	1005.37	1005.40	1005.61	1005.77	1005.88	1005.94	1005.96	1005.96
PGL LT.	STATION	164+29.43	164+42.43	164+53.43	164+55.43	164+68.43	164+81.43	164+94.43	165+07.43	165+20.43	165+33.43
	F.D.S. ELEV.	1004.81	1004.95	1005.06	1005.08	1005.22	1005.35	1005.49	1005.62	1005.76	1005.90
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1004.81	1005.09	1005.30	1005.34	1005.54	1005.70	1005.81	1005.88	1005.90	1005.90
RT. TOE OF PARAPET	STATION	164+39.79	164+52.79	164+63.79	164+65.79	164+78.79	164+91.79	165+04.79	165+17.79	165+30.79	165+43.79
	F.D.S. ELEV.	1004.76	1004.90	1005.01	1005.03	1005.17	1005.30	1005.44	1005.57	1005.71	1005.84
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1004.76	1005.04	1005.25	1005.29	1005.49	1005.65	1005.76	1005.83	1005.85	1005.84
TOP OF HAUNCH ELEVATIONS											
BEAM 1	STATION	163+82.84	163+95.84	164+06.84	164+08.84	164+21.84	164+34.84	164+47.84	164+60.84	164+73.84	164+86.84
	F.D.S. ELEV.	1003.99	1004.13	1004.24	1004.26	1004.40	1004.53	1004.67	1004.80	1004.94	1005.07
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1003.28	1003.56	1003.77	1003.81	1004.01	1004.18	1004.28	1004.35	1004.37	1004.37
BEAM 2	STATION	163+92.16	164+05.16	164+16.16	164+18.16	164+31.16	164+44.16	164+57.16	164+70.16	164+83.16	164+96.16
	F.D.S. ELEV.	1004.23	1004.37	1004.48	1004.50	1004.64	1004.77	1004.91	1005.05	1005.18	1005.32
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1003.53	1003.80	1004.01	1004.05	1004.26	1004.42	1004.53	1004.59	1004.61	1004.61
BEAM 3	STATION	164+01.47	164+14.47	164+25.47	164+27.47	164+40.47	164+53.47	164+66.47	164+79.47	164+92.47	165+05.47
	F.D.S. ELEV.	1004.47	1004.61	1004.72	1004.75	1004.88	1005.02	1005.15	1005.29	1005.42	1005.56
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1003.77	1004.04	1004.26	1004.29	1004.50	1004.66	1004.77	1004.83	1004.85	1004.85
BEAM 4	STATION	164+10.79	164+23.79	164+34.79	164+36.79	164+49.79	164+62.79	164+75.79	164+88.79	165+01.79	165+14.79
	F.D.S. ELEV.	1004.72	1004.85	1004.97	1004.99	1005.12	1005.26	1005.39	1005.53	1005.66	1005.80
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.01	1004.28	1004.50	1004.53	1004.74	1004.90	1005.01	1005.07	1005.10	1005.09
BEAM 5	STATION	164+20.11	164+33.11	164+44.11	164+46.11	164+59.11	164+72.11	164+85.11	164+98.11	165+11.11	165+24.11
	F.D.S. ELEV.	1004.86	1005.00	1005.11	1005.13	1005.27	1005.40	1005.54	1005.67	1005.81	1005.94
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.15	1004.43	1004.64	1004.68	1004.88	1005.04	1005.15	1005.22	1005.24	1005.23
BEAM 6	STATION	164+29.43	164+42.43	164+53.43	164+55.43	164+68.43	164+81.43	164+94.43	165+07.43	165+20.43	165+33.43
	F.D.S. ELEV.	1004.81	1004.95	1005.06	1005.08	1005.22	1005.35	1005.49	1005.62	1005.76	1005.90
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.11	1004.38	1004.59	1004.63	1004.84	1005.00	1005.11	1005.17	1005.19	1005.19
BEAM 7	STATION	164+38.75	164+51.75	164+62.75	164+64.75	164+77.75	164+90.75	165+03.75	165+16.75	165+29.75	165+42.75
	F.D.S. ELEV.	1004.77	1004.90	1005.02	1005.04	1005.17	1005.31	1005.44	1005.58	1005.71	1005.85
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.06	1004.34	1004.55	1004.58	1004.79	1004.95	1005.06	1005.12	1005.15	1005.14

NOTES:

1. SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
2. TOP OF HAUNCH (T.O.H.) ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
3. FINAL DECK SURFACE (F.D.S.) ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.

SCREED DETAILS - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 26 | TOTAL 30
SHEET P.1448 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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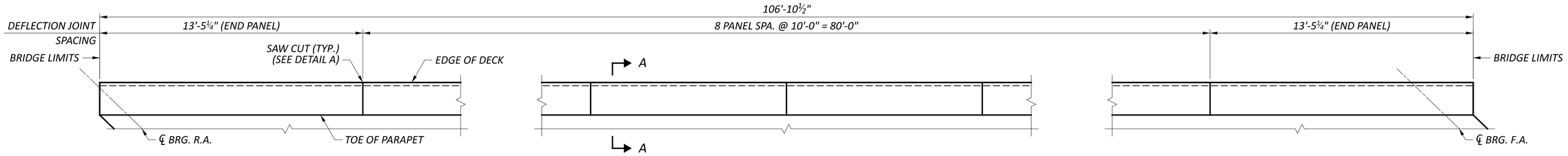
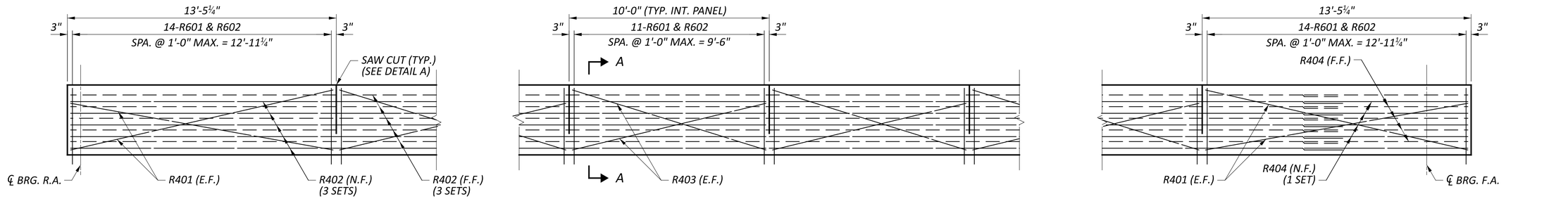


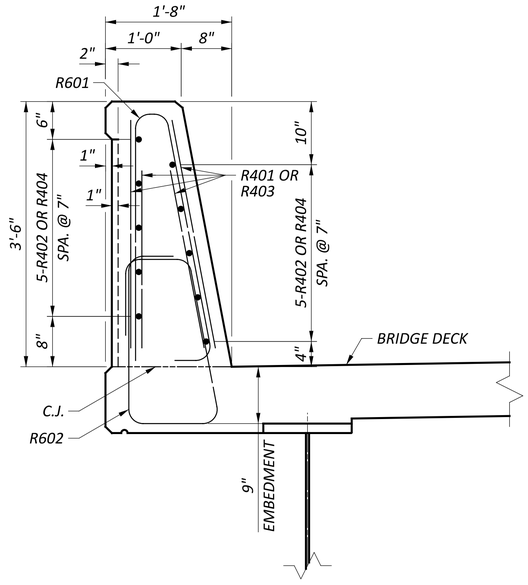
PARAPET PLAN

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRICAL)

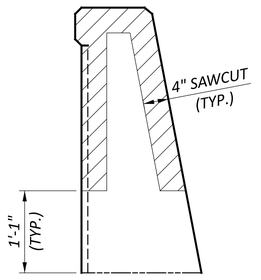


PARAPET ELEVATION

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



SECTION A-A



DETAIL A

SECTION THROUGH SAWCUT
SAWCUT PERIMETER = 6'-2"

MINIMUM BAR LAP	
#4 GFRP	1'-1"

NOTES:

1. FOR ADDITIONAL PARAPET DETAILS, SEE STANDARD DRAWING SBR-1-20.

PARAPET DETAILS - 1
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885
DESIGN AGENCY STRUCTUREPOINT
DESIGNER ACM | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 27 | TOTAL 30
SHEET P.1449 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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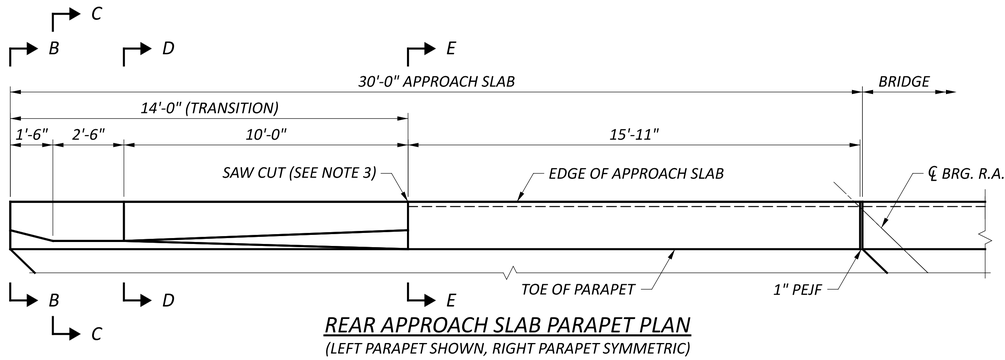
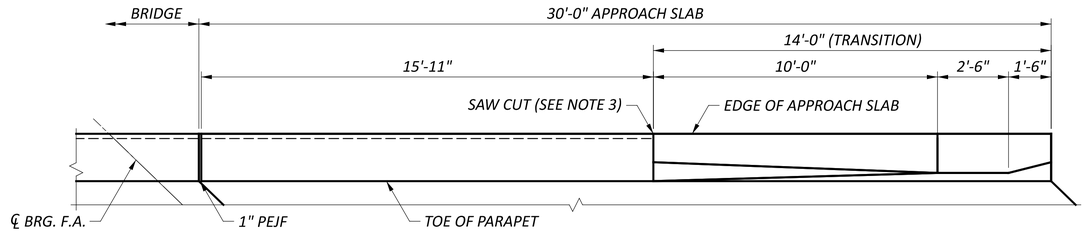


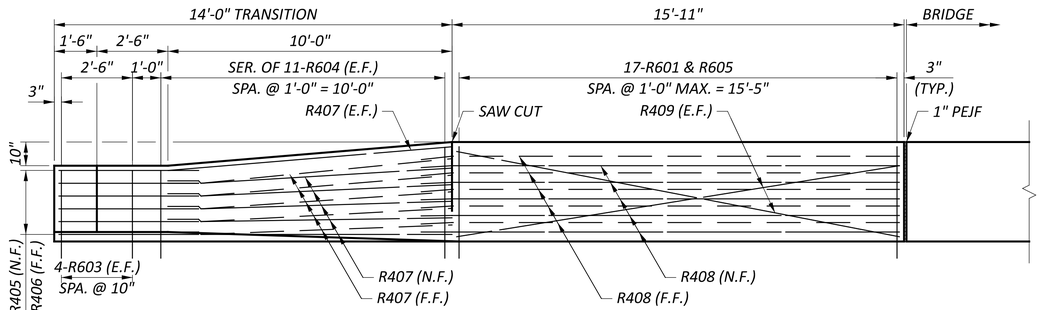
REAR APPROACH SLAB PARAPET PLAN

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



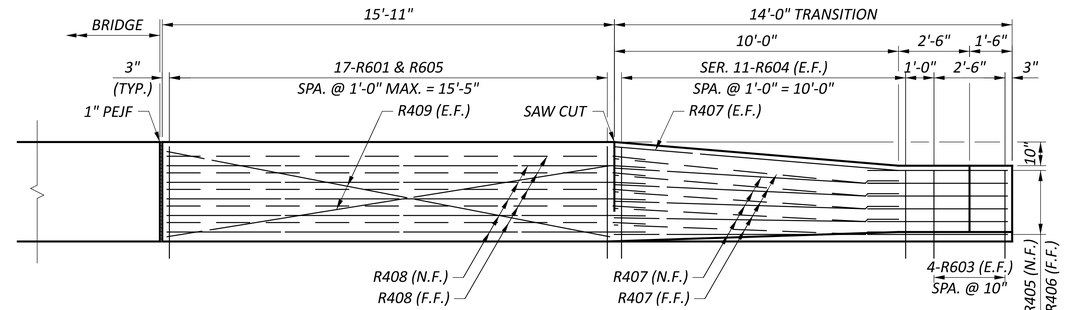
FORWARD APPROACH SLAB PARAPET PLAN

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



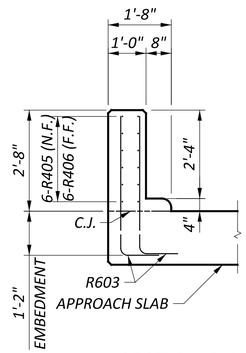
REAR APPROACH SLAB PARAPET ELEVATION

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)

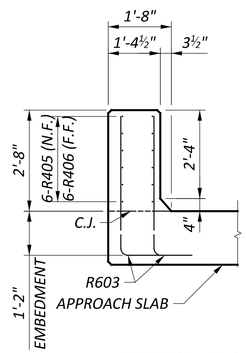


FORWARD APPROACH SLAB PARAPET ELEVATION

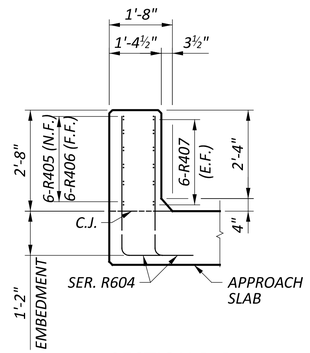
(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



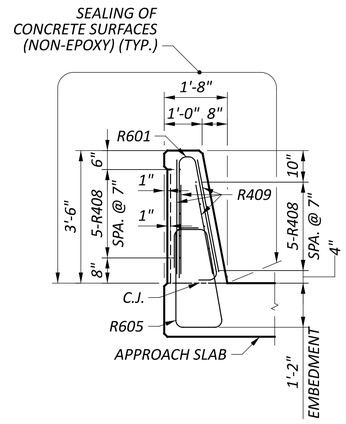
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

MINIMUM BAR LAP	
#4 GFRP	1'-1"

NOTES:

1. *FOR ADDITIONAL PARAPET DETAILS, SEE STANDARD DRAWING SBR-1-20.*
2. *FOR APPROACH SLAB PLAN, SEE SHEET 29/30.*
3. *FOR DETAIL A, SEE SHEET 27/30.*

PARAPET DETAILS - 2
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
ACM	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
28	30

SHEET	TOTAL
P.1450	P.1556

FAI/LIC-70-0.00/0.00

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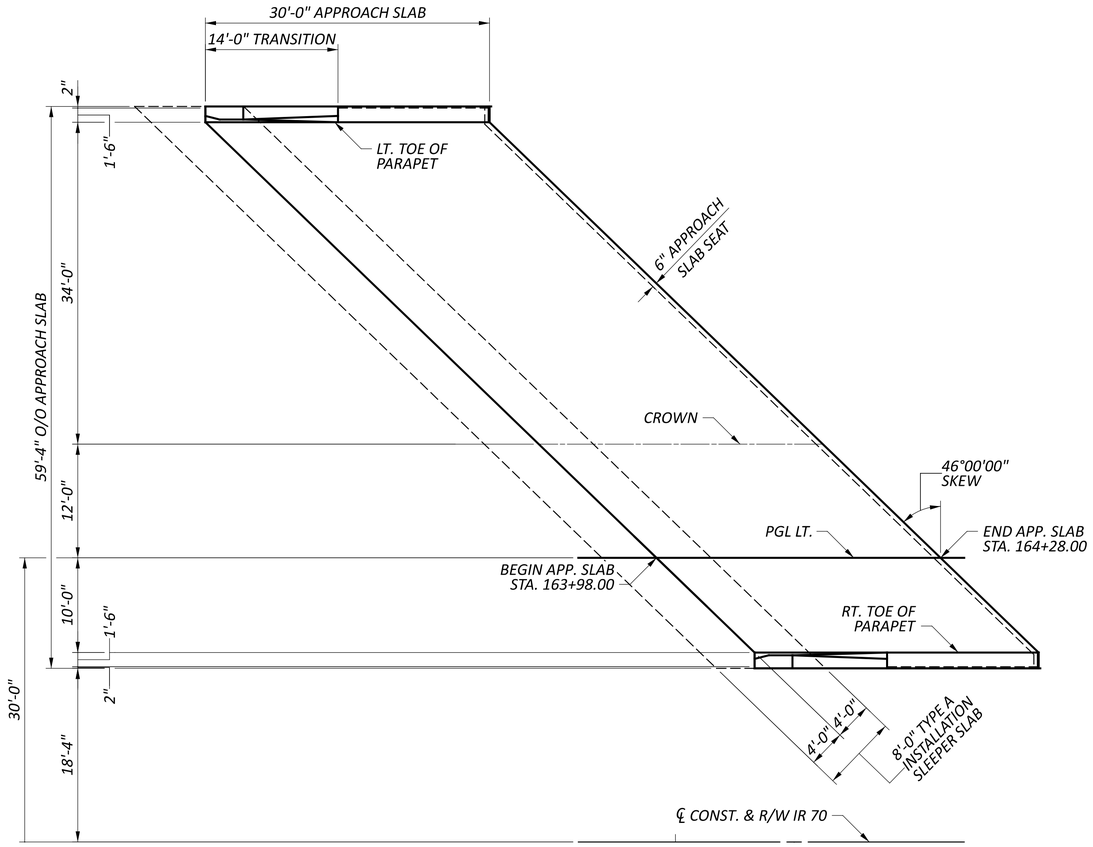
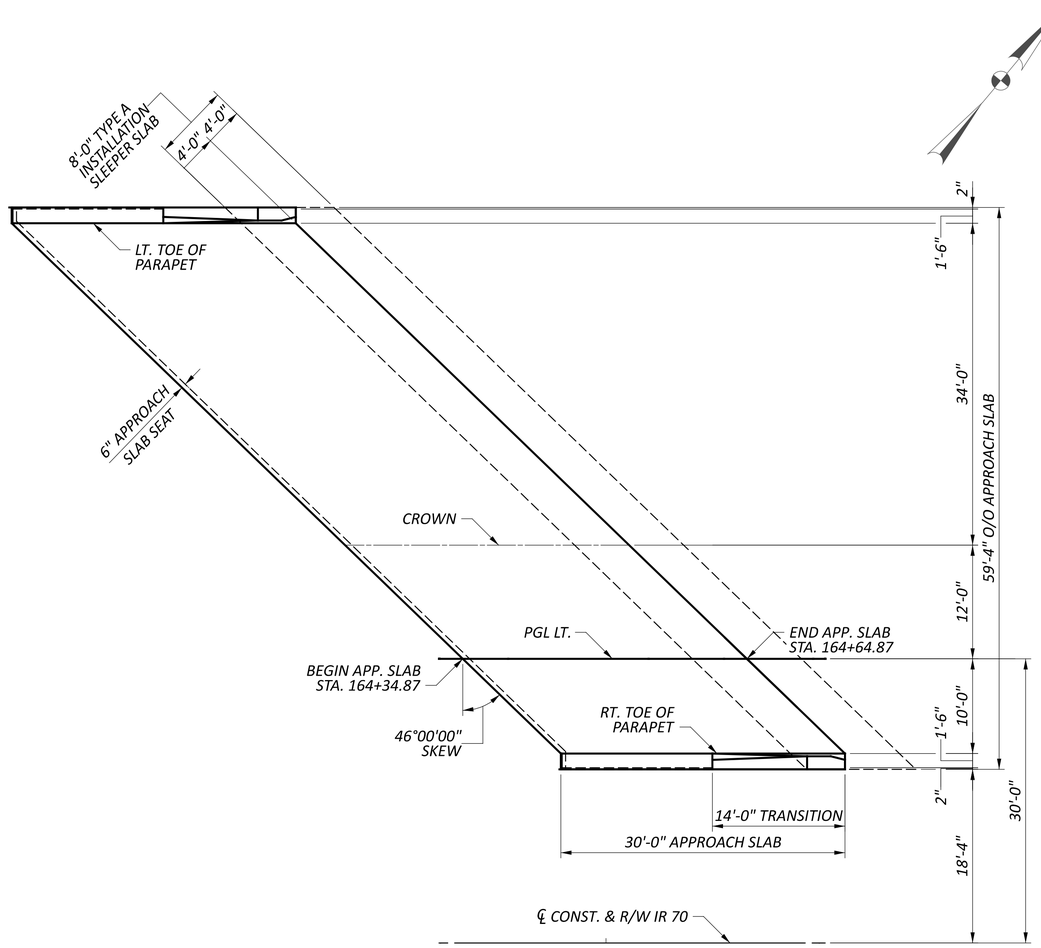


PLAN

REAR APPROACH SLAB



PLAN

FORWARD APPROACH SLAB

APPROACH SLAB ELEVATIONS

LOCATION \ DESCRIPTION		BEGIN REAR SLEEPER SLAB	BEGIN REAR APPROACH SLAB	END REAR SLEEPER SLAB	END REAR APPROACH SLAB	STRUCTURE LIMITS	BEGIN FWD. APPROACH SLAB	BEGIN FWD. SLEEPER SLAB	END FWD. APPROACH SLAB	END FWD. SLEEPER SLAB
LT. TOE OF PARAPET	STATION	163+44.60	163+50.36	163+56.12	163+80.36		164+87.24	165+11.48	165+17.24	165+23.00
	ELEVATION	1002.16	1003.64	1002.28	1003.95		1005.06	1003.90	1005.37	1004.02
CROWN	STATION	163+79.81	163+85.57	163+91.33	164+15.57		165+22.45	165+46.69	165+52.45	165+58.21
	ELEVATION	1003.07	1004.55	1003.19	1004.86		1005.97	1004.81	1006.29	1004.93
PGL LT.	STATION	163+92.24	163+97.99	164+03.75	164+27.99		165+34.87	165+59.12	165+64.87	165+70.63
	ELEVATION	1003.01	1004.49	1003.13	1004.80		1005.91	1004.75	1006.22	1004.87
RT. TOE OF PARAPET	STATION	164+02.59	164+08.35	164+14.11	164+38.35		165+45.23	165+69.47	165+75.23	165+80.99
	ELEVATION	1002.96	1004.43	1003.08	1004.75		1005.86	1004.69	1006.17	1004.81

NOTES:

1. FOR STANDARD APPROACH SLAB DETAILS, SEE ODOT STANDARD BRIDGE DRAWING AS-1-15.
2. FOR STANDARD APPROACH SLAB TYPE A INSTALLATION DETAILS, SEE ODOT STANDARD BRIDGE DRAWING AS-2-15.
3. FOR APPROACH SLAB PARAPET DETAILS, SEE SHEET 28/30.
4. APPROACH SLABS SHALL NOT BE POURED WITH BRIDGE DECK.
5. ELEVATIONS GIVEN AT TOP OF APPROACH SLAB AND SLEEPER SLAB.

APPROACH SLAB DETAILS
BRIDGE NO. LIC-00070-00740 L
IR 70 OVER PALMER RD.

SFN 4502885

DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER	CHECKER
DAS	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
29	30

SHEET	TOTAL
P.1451	P.1556

FAI/LIC-70-0.00/0.00

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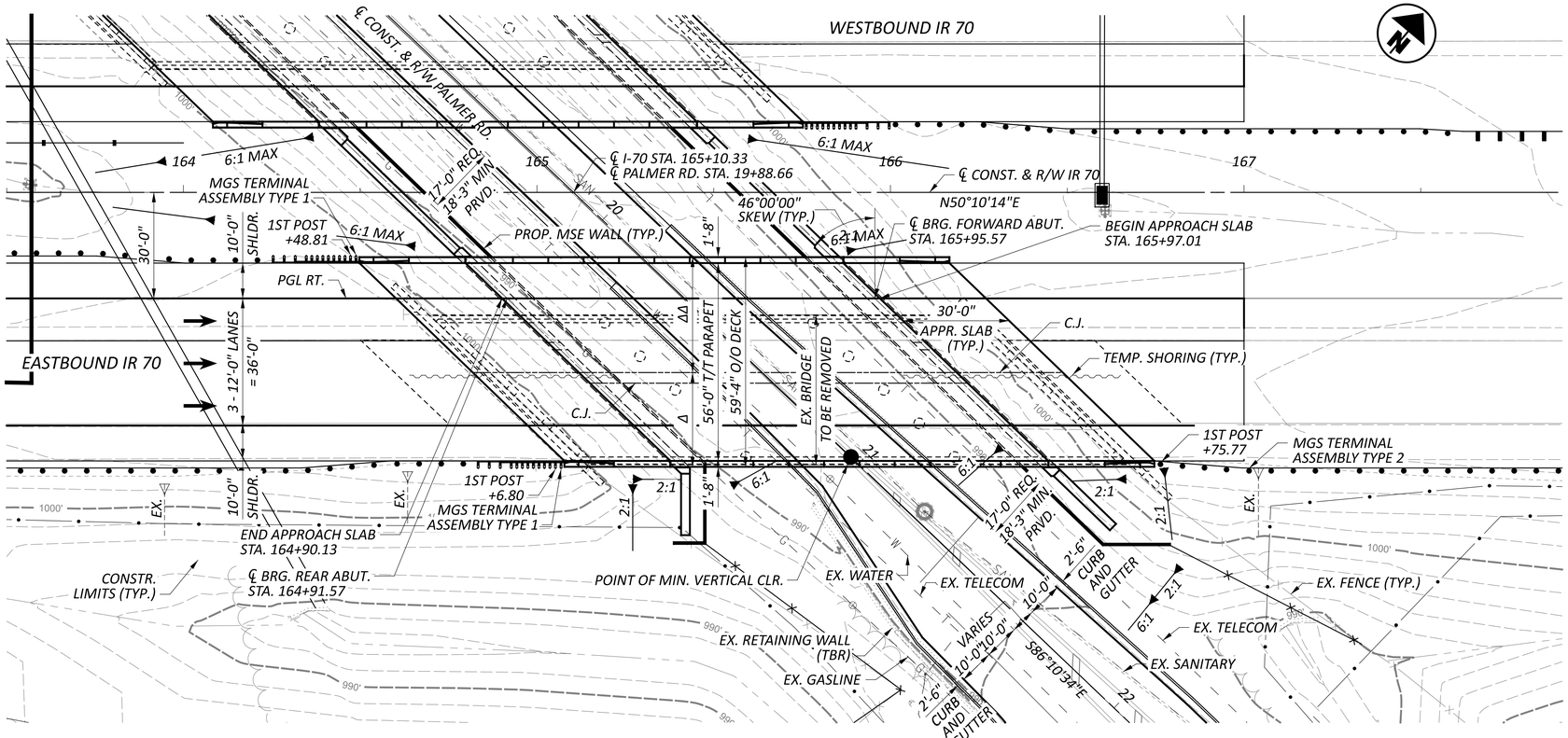
MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	R.A.	F.A.	TOTAL				A	B	C	D	E	R	INC
ABUTMENT													
SUB-TOTAL													

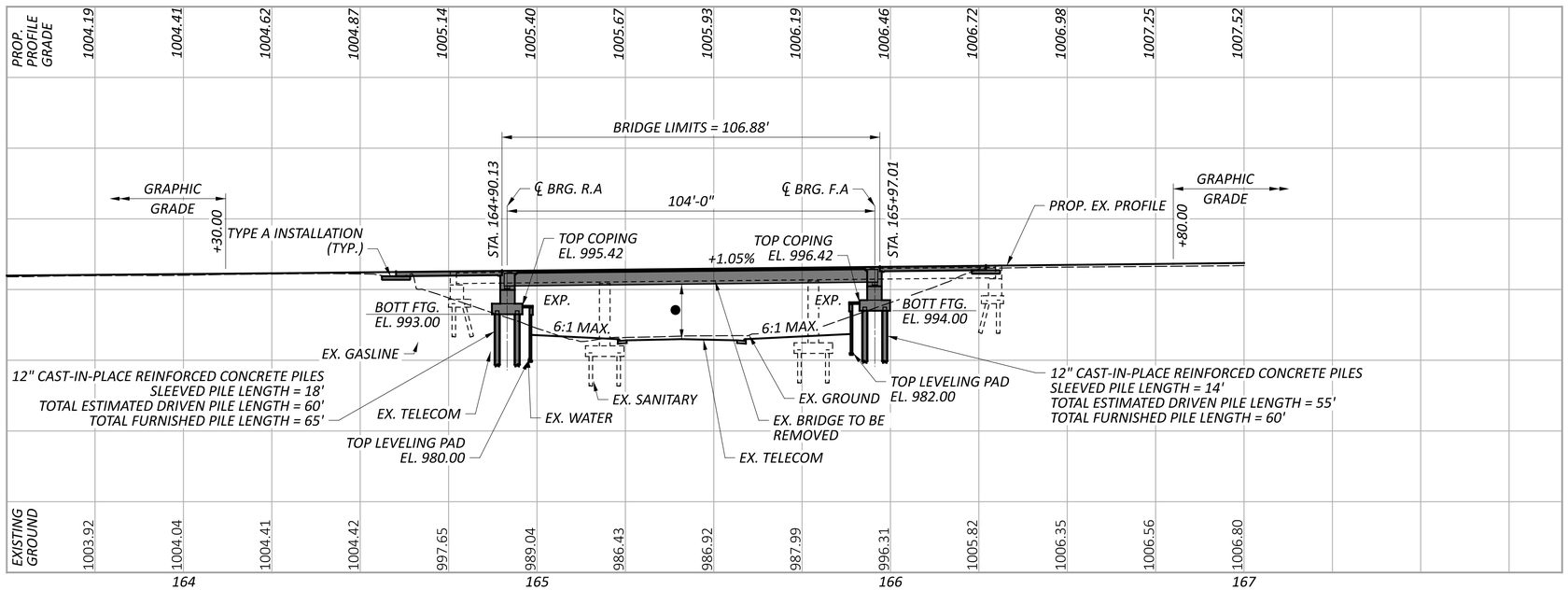
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPETS (EPOXY COATED STEEL REINFORCEMENT - ECSR)											
SUB-TOTAL											

MARK	NUMBER	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPETS (GLASS FIBER REINFORCED POLYMER REINFORCEMENT - GFRP)											
SUB-TOTAL											

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
DECK											



PLAN



PROFILE - ALONG PGL RT.

BENCHMARK DATA

C.P. 2012 STA. 138+31.32,	ELEV. 976.93,	OFFSET 108.10', LT
C.P. 2013 STA. 182+36.85,	ELEV. 1020.51,	OFFSET 120.41', RT

FOR ADDITIONAL BENCHMARK INFORMATION, SEE ROADWAY PLAN SHEET P.0020

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2030 ADT = 56,680 2030 ADTT = 6,802
2050 ADT = 76,150 2050 ADTT = 9,138
DIRECTIONAL DISTRIBUTION = 50%

LEGEND

● - 15'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
15'-8½" ACTUAL MINIMUM VERTICAL CLEARANCE
Δ - 32'-8" PHASE 1 CONSTRUCTION
ΔΔ - 26'-8 PHASE 2 CONSTRUCTION

EXISTING STRUCTURE

TYPE: NON-COMPOSITE CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK ON CAP AND COLUMN PIERS AND STUB ABUTMENTS WITH PILE FOUNDATIONS

SPANS: 46'-0"±, 59'-0"±, 46'-0"±
ROADWAY: 39'-0"± TOE/TOE PARAPET
LOADING: CF 2000 (57)
SKEW: 46°25'30"± R.F.
WEARING SURFACE: 1¾"± SDC OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: TANGENT
CROWN: 0.016± FT/FT
STRUCTURE FILE NUMBER: 4502914
DATE BUILT: 1967
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: SINGLE SPAN, STEEL PLATE GIRDER WITH COMPOSITE REINFORCED CONCRETE DECK ON SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS

SPANS: 104'-0" C/C BRG.
ROADWAY: 56'-0" TOE/TOE PARAPET
VEHICULAR LIVE LOAD: HL93
FUTURE WEARING SURFACE: 60 PSF
SKEW: 46°00'00" R.F.
APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 6,342 SF
COORDINATES: LATITUDE 39°56'44.37"N
LONGITUDE 82°45'27.76"W

HORIZONTAL SCALE IN FEET
0 5 10 20

SITE PLAN
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 1 | TOTAL 34
SHEET P.1453 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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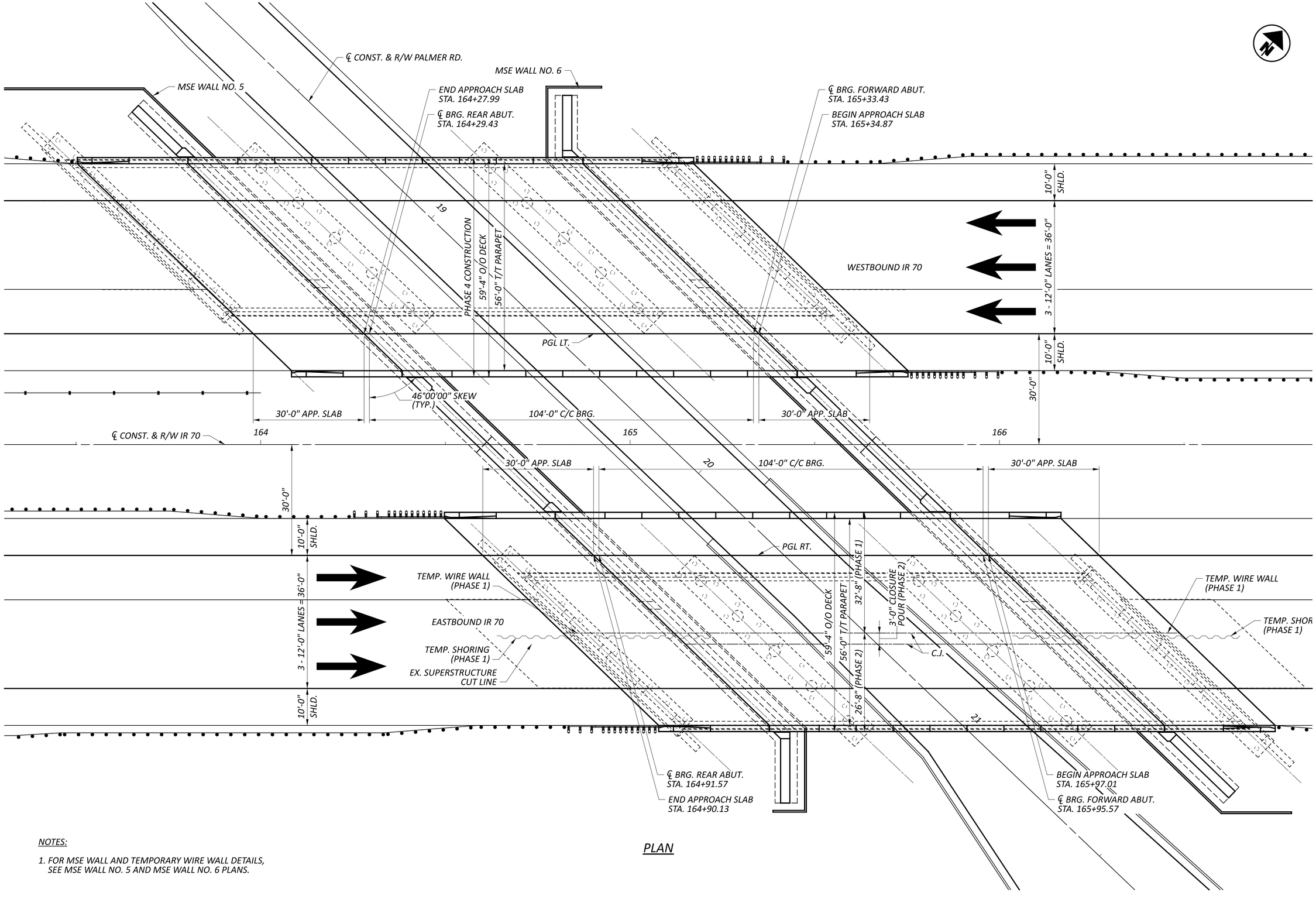

PLAN

NOTES:

1. FOR MSE WALL AND TEMPORARY WIRE WALL DETAILS, SEE MSE WALL NO. 5 AND MSE WALL NO. 6 PLANS.

GENERAL PLAN
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

FAI/LIC-70-0.00/0.00

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SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	2
TOTAL	34
SHEET	P.1454
TOTAL	P.1556

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
GSD-1-19	REVISED	07-19-24
PCB-91	REVISED	07-17-20
SBR-2-20	REVISED	07-19-24
SICD-1-21	REVISED	01-19-24
SICD-2-24	REVISED	01-15-21

DESIGN SPECIFICATIONS:

THE PROPOSED WORK CONFORMS TO THE 10TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2024 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

SPECIAL DESIGN SPECIFICATIONS:

THIS BRIDGE REQUIRED THE USE OF A TWO DIMENSIONAL MODEL USING THE GRILLAGE DESIGN METHOD TO ANALYZE THE STRUCTURE. THE COMPUTER PROGRAM USED FOR STRUCTURAL ANALYSIS WAS DESCUS. THE BRIDGE COMPONENTS DESIGNED BY THIS METHOD AND THE LIVE LOAD DISTRIBUTION FACTORS USED WERE THE STEEL GIRDERS AND CROSSFRAMES.

DEAD LOAD DISTRIBUTION:

WEIGHT OF THE DECK AND STEEL GIRDERS WERE USED FOR THE NON-COMPOSITE DEAD LOAD BASED ON TRIBUTARY AREA. THE WEIGHT OF PARAPETS AND FUTURE WEARING SURFACE WERE DIVIDED EQUALLY AMONG THE GIRDERS FOR THE COMPOSITE DEAD LOAD.

LIVE LOAD DISTRIBUTION FACTORS:

DIRECT LANE LOADING FOR WHEEL (OR AXLE) LOAD & FOR LANE LOAD MOMENTS. DIRECT LANE LOADING FOR WHEEL (OR AXLE) LOAD & LANE LOAD SHEARS.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.05 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING:

VEHICULAR LINE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/SQ.FT.

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI (DECK, PARAPET, SUBSTRUCTURES)

GFRP REINFORCEMENT (PARAPET)

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

DECK PLACEMENT ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.85 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48".

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65".

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN:

DESCRIPTION:
THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING STRUCTURE. THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED, I.E. THE EXISTING STRUCTURE USED FOR MAINTAINING TRAFFIC. THE USE OF EXPOSIVES, HEADACHE BALLS, HOE RAM TYPE EQUIPMENT, AND TRACK HOE PULVERIZER/ SHEAR/MULTI-PROCESSOR ATTACHMENTS IS PROHIBITED FOR REMOVAL OF THE EXISTING ABUTMENT AND PIER COMPONENETS WITHIN 18 INCHES OF PORTIONS TO BE PRESERVE, I.E. PORTIONS TO REMAIN FOR MAINTAINING TRAFFIC. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

PROTECTION OF TRAFFIC:
THE CONTRACTOR SHALL SUBMIT PLANS FOR THE PROTECTION OF TRAFFIC (VEHICULAR, PEDESTRIAN, ETC.) AS PER CMS 501.05.B.2.

REMOVAL METHODS:
THE CONTRACTOR MAY REMOVE EXISTING SUBSTRUCTURE CONCRETE BY CUTTING AND BY MEANS OF APPROVED HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS IN THE AREA DESCRIBED ABOVE. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED.

MEASUREMENT AND PAYMENT:
THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202,STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

PAINTING OF STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 514 OF THE C&MS.

THE FINISH COAT COLOR SHALL BE BROWN FS-595C-10324.

SURFACE SMOOTHNESS FOR BRIDGES AND APPROACHES:

AT THE COMPLETION OF WORK FOR ALL PHASES OF CONSTRUCTION AND PRIOR TO OPENING THE BRIDGE TO TRAFFIC, THE CONTRACTOR SHALL PERFORM THE FOLLOWING AS PER PROPOSAL NOTE 555:

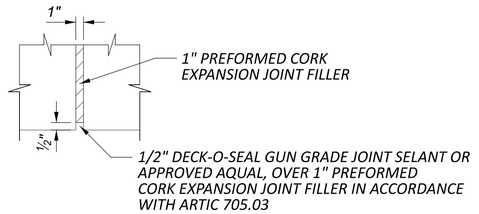
1. CLEAN, SWEEP, AND PREPARE THE FINAL DECK AND FINAL ROADWAY SURFACE.
2. MEASURE, GRIND, AND RE-MEASURE THE BRIDGE AND/OR ROADWAY AS NECESSARY.
3. GROOVE THE BRIDGE DECK.

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN:

THE DESIGN SHOWN ON THE PLANS FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTATIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ON THE PLANS OR PREPARE AN ALTERNATE DESIGN TO SUPPORT THE SIDES OF EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION, PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUMP SUM PRICE FOR COFFERDAMS AND EXCAVATION BRACING. THE DEPARTMENT WILL NOT MAKE ADDITIONAL PAYMENT FOR PROVIDING AN ALTERNATE DESIGN.

ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:

ALL 1" PEJF CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER 1/2" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION FOR MAXIMUM EFFECTIVENESS.



DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

PILE DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE IS 221 KIPS PER PILE FOR THE REAR AND FORWARD ABUTMENT PILES.

REAR ABUTMENT:

12 INCH DIAMETER PILES 65 FEET LONG, ORDER LENGTH

1 DYNAMIC LOAD TESTING ITEM

FORWARD ABUTMENT:

12 INCH DIAMETER PILES 60 FEET LONG, ORDER LENGTH

1 DYNAMIC LOAD TESTING ITEM

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.28 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES.

GENERAL NOTES - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915

DESIGN AGENCY
MPEAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
ABD	SJF

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
3	34

SHEET	TOTAL
P.1455	P.1556

FAI/LIC-70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:52:52 PM USER: brieder
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ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN:

IN ADDITION TO THE WORK ITEMS REQUIRED IN 511, THESE ITEMS WILL INCLUDE THE DEVELOPMENT, DELIVERY AND PLACEMENT OF A CLASS QC2 AND QC1 SELF CONSOLIDATING CONCRETE MIX DESIGN AS DESCRIBED IN THE FOLLOWING NOTE:

PROVIDE A CONCRETE MIX WITH THE FOLLOWING PROPERTIES:

SELF-CONSOLIDATING CONCRETE (SCC): WHEN REQUIRED IN THE DESIGN PLANS OR APPROVED BY THE ENGINEER, PROVIDE AN SCC MIX WITH AGGREGATE GRADATIONS WITHIN ZONE II OF THE COARSENESS FACTOR CHART THAT IS FLOWABLE, NON-SEGREGATING CONCRETE THAT CAN SPREAD INTO PLACE, FILL THE FORMWORK, AND ENCAPSULATE THE REINFORCEMENT WITHOUT MECHANICAL CONSOLIDATION. INCREASING THE AMOUNT OF AN APPROVED 705.12 (SCC) ADMIXTURE OF AN APPROVED JMF TO ACHIEVE THE DESIRED CONSISTENCY; RE-PROPORTIONING THE AGGREGATES WITHIN ZONE II; ADDING CEMENTITIOUS MATERIAL; AND INCLUDING A VISCOSITY MODIFYING ADMIXTURE (VMA) ARE ACCEPTABLE METHODS OF IMPROVING THE STABILITY OF THE MIX. A NEW MIX DESIGN IS NOT REQUIRED.

SLUMP REQUIREMENTS OF TABLE 499.04-1 DO NOT APPLY.

ESTABLISH QUALITY CONTROL PROCEDURES IN THE QUALITY CONTROL PLAN FOR SCC CONCRETE. SET THE TARGET SLUMP FLOW FOR THE MIX AND MAINTAIN THE FLOW WITHIN ` 2 INCHES. VISUALLY INSPECT THE STABILITY OF THE MIX TO ENSURE THAT THERE IS NO AGGREGATE PILE IN THE MIDDLE OF, NOR MORTAR HALO IN EXCESS OF ½ INCH ON THE LEADING EDGE OF THE SLUMP FLOW TEST PILE. TEST THE SLUMP FLOW ACCORDING TO ASTM C1611.

GRADATION:

PROVIDE A WELL-GRADED CONCRETE MIX BY MAINTAINING THE GRADATION OF THE COMBINATION OF AGGREGATES WITHIN ZONE II (OPTIMAL) OF THE COARSENESS FACTOR CHART (FIGURE 1) AS DEFINED IN THE COMPASS OR EQUAL SOFTWARE. USE A 1 INCH NOMINAL MAXIMUM SIZE AGGREGATE. ENSURE THAT THE DESIGN YIELD IS 27.0 CU. FT.

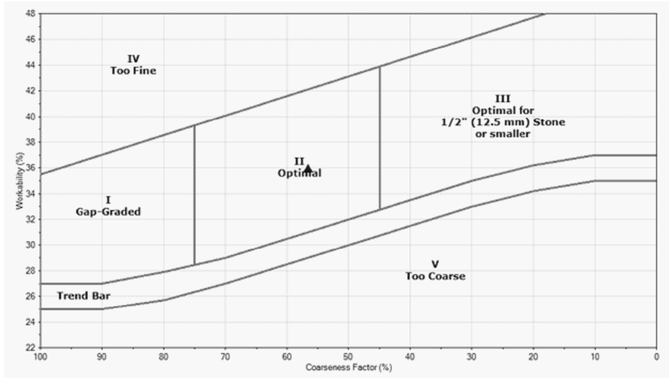

FIGURE 1- COARSENESS FACTOR CHART

USE THE FOLLOWING SIEVE SIZES TO DETERMINE THE GRADATION OF THE AGGREGATES:

1 1/2 INCH	# 8
1 INCH	# 16
3/4 INCH	# 30
1/2 INCH	# 50
3/8 INCH	# 100
#4	# 200

IN THE CHART:
WORKABILITY FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT PASSES THE NO. 8 SIEVE. COARSENESS FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT IS RETAINED ON THE NO. 8 SIEVE THAT IS ALSO RETAINED ON THE 3/8 IN. SIEVE. THE CHART IS BASED ON A CEMENT CONTENT OF 564 LBS /CU.YD. ADJUST TO WORKABILITY PROPORTIONATELY AND DIRECTLY BY 2.5% PER 94 LBS. OF CEMENT WHEN USING EITHER LESS OR MORE. ENSURE THAT THE CONCRETE MIX DESIGN IS WORKABLE AND FINISHABLE DURING THE TRIAL PROCESS. WHEN THE MIX IS DETERMINED TO HAVE ISSUES RELATING TO WORKABILITY OR FINISHABILITY IN THE FIELD, THE DEPARTMENT MAY RESCIND THE MIX DESIGN ACCEPTANCE.

THIS S.C.C. CONCRETE IS BEING UTILIZED TO BEST FILL THE FORMLINED CONCRETE POURS WHERE SPECIFIED IN THIS PLAN.

THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 2626 LIGHT GRAY AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL.
THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

PAYMENT WILL INCLUDE DEVELOPMENT AND PLACEMENT OF THE SELF CONSOLIDATING CONCRETE MIX, ALL AESTHETIC TREATMENT INCLUDING THE CONCRETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN

ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	PANEL SURFACE TREATMENT:	SPECIFICATIONS:
CUSTOM ROCK INTERNATIONAL	NEW ENGLAND DRYSTACK # 12003	MAX RELIEF 1⅜" LINER THICKNESS 2¼" STONE SIZE 3" TO 24"
SPEC FORMLINERS, INC.	WASHINGTON DRYSTACK # 1581	MAX RELIEF 1½" LINER THICKNESS 2¾" STONE SIZE 4" TO 24"
APPROVED EQUAL	APPROVED EQUAL	APPROVED EQUAL

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	= ABUTMENT
APPR.	= APPROACH
BOT.	= BOTTOM
BRG.	= BEARING
BTW	= BETWEEN
C/C	= CENTER-TO-CENTER
C.I.P.	= CAST-IN-PLACE
C.J.	= CONSTRUCTION JOINT
℄	= CENTERLINE
CLR.	= CLEARANCE
CONSTR.	= CONSTRUCTION
DIA.	= DIAMETER
DWG.	= DRAWING
EA.	= EACH
EB	= EASTBOUND
E.F.	= EACH FACE
EL.	= ELEVATION
EST.	= ESTIMATED
EX.	= EXISTING
F.A.	= FORWARD ABUTMENT
F.D.S.	= FINAL DECK SURFACE
F.F.	= FAR FACE
F.S.	= FIELD SPLICE
FWD.	= FORWARD
INV.	= INVERT
LT.	= LEFT
MAX.	= MAXIMUM
MIN.	= MINIMUM
NE	= NORTHEAST
N.F.	= NEAR FACE
N.P.C.P.P.	= NON-PERFORATED CORRUGATED PLASTIC PIPE
NW	= NORTHWEST
O/O	= OUT-TO-OUT
PB	= PORTABLE BARRIER
P.C.P.P.	= PERFORATED CORRUGATED PLASTIC PIPE
PEJF	= PREFORMED EXPANSION JOINT FILLER
PGL	= PROFILE GRADE LINE
PROP.	= PROPOSED
R.A.	= REAR ABUTMENT
REQD.	= REQUIRED
RT.	= RIGHT
SE	= SOUTHEAST
SER.	= SERIES
SHLD.	= SHOULDER
SPA.	= SPACES
STA.	= STATION
STD.	= STANDARD
SW	= SOUTHWEST
T&B	= TOP AND BOTTOM
TEMP.	= TEMPORARY
T/S	= TOE OF SLOPE
T/T	= TOE-TO-TOE
TYP.	= TYP.
WB	= WESTBOUND

GENERAL NOTES - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER ABD | CHECKER SJF
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 4 | TOTAL 34
SHEET P.1456 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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ESTIMATED QUANTITIES

CALCULATED BY: ACM DATE: 04/11/2025
CHECKED BY: ABD DATE: 04/16/2025

ITEM	EXT.	QUANTITY	UNIT	DESCRIPTION	ABUT.	SUPER STR.	GEN.	SHT. NO.
202	11003		LS	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN			LS	3/34
202	22900	133	SY	APPROACH SLAB REMOVED			133	
202	23500	133	SY	WEARING COURSE REMOVED			133	
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING			LS	
503	21300		LS	UNCLASSIFIED EXCAVATION			LS	
505	11100		LS	PILE DRIVING EQUIPMENT MOBILIZATION			LS	
507	00500	4025	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	4025			
507	00550	4375	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	4375			
509	10000	117472	LB	EPOXY COATED STEEL REINFORCEMENT	39625	77847		
509	30020	3927	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		3927		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2			
511	34446	275	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK		275		
511	34451	61	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN		61		4/34
511	44113	115	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN	115			4/34
511	46512	179	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	179			
512	10050	608	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	187	421		
512	33000	35	SY	TYPE 2 WATERPROOFING	35			
513	10280	197900	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4		197900		
513	20000	3234	EACH	WELDED STUD SHEAR CONNECTORS		3234		
514	00060	12670	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT		12670		
514	00066	12670	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT		12670		
516	13601	96	SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	80	16		3/34
516	13901	87	SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN	87			3/34
516	14020	202	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	202			
516	44101	14	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN		14		15/34
518	21200	130	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	130			
518	40000	268	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	268			
518	40010	100	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	100			
523	20000	2	EACH	DYNAMIC LOAD TESTING	2			
526	30010	396	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")			396	
526	90010	171	FT	TYPE A INSTALLATION			171	
846	00110	68	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM			68	

ESTIMATED QUANTITIES
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER ACM | CHECKER SJF
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 5 | TOTAL 34
SHEET P.1457 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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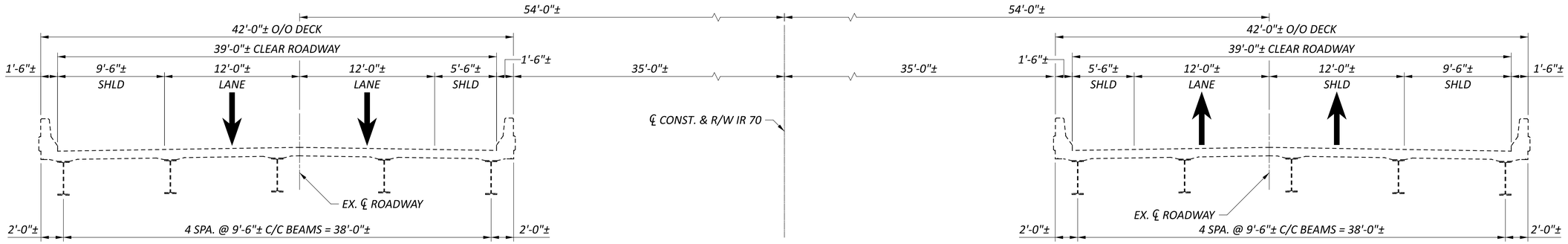
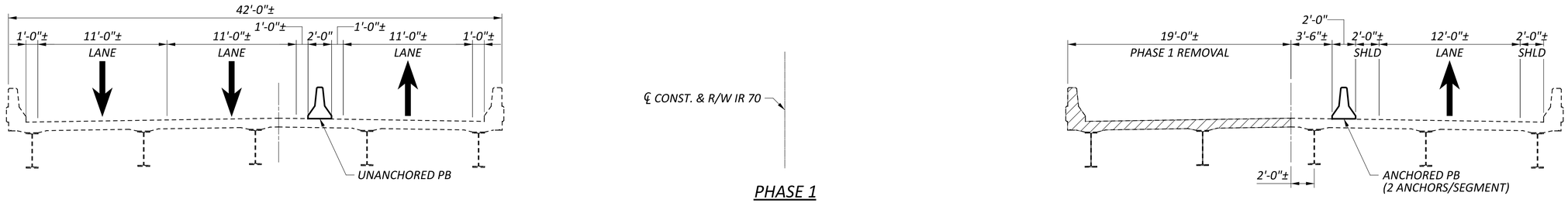
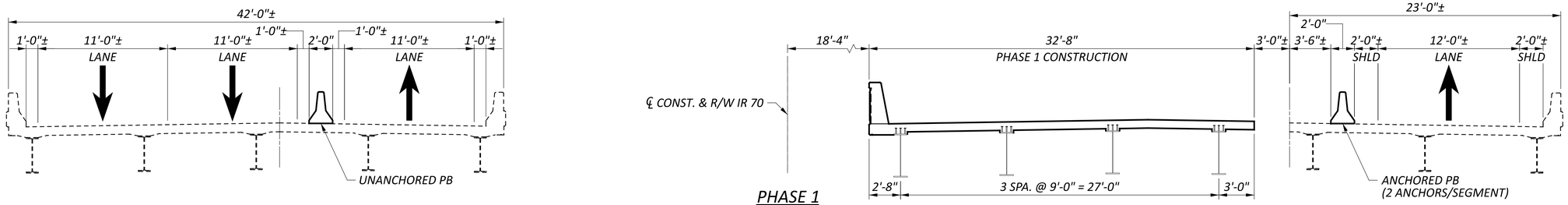


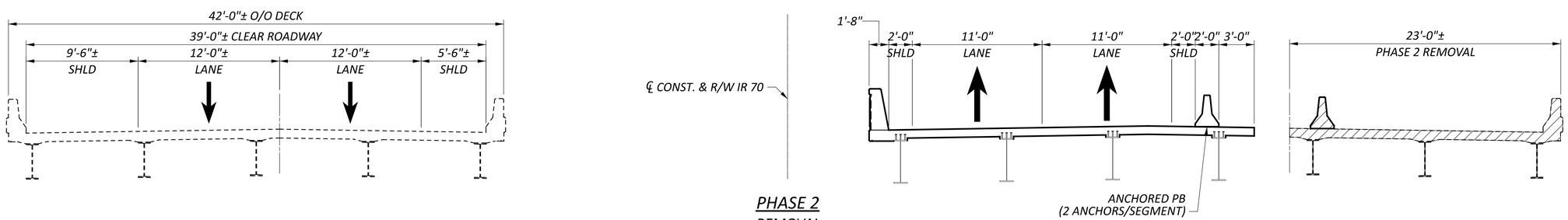
EXISTING BRIDGE SECTION



PHASE 1
REMOVAL



PHASE 1
CONSTRUCTION



PHASE 2
REMOVAL

CONSTRUCTION SEQUENCE

PHASE 1:

1. INSTALL PORTABLE BARRIER AS SHOWN AND PER STD DWG PCB-91 OR RM-4.2.
2. REMOVE PORTIONS OF EX. STRUCTURE. PROVIDE TEMPORARY SHORING TO ACCOMMODATE REMOVAL.
3. CONSTRUCT PORTION OF EB STRUCTURE INCLUDING PORTION OF MSE WALL AND WIRE FACE WALL.

PHASE 2:

1. INSTALL PORTABLE BARRIER AS SHOWN AND PER STD DWG PCB-91 OR RM-4.2.
2. REMOVE REMAINING PORTION OF EX. EB STRUCTURE.
3. CONSTRUCT REMAINING PORTION OF EX. EB STRUCTURE AND MSE WALL, OTHER THAN DECK AND DIAPHRAGM CLOSURE POUR.
4. CONSTRUCT DECKS AND DIAPHRAGM CLOSURE POUR.

LEGEND:

LIMITS OF REMOVAL PER ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN

PHASE CONSTRUCTION - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 6 | TOTAL 34
SHEET P.1458 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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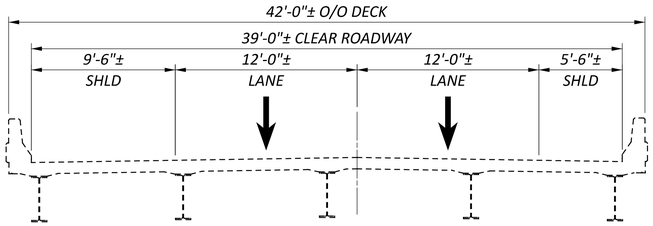
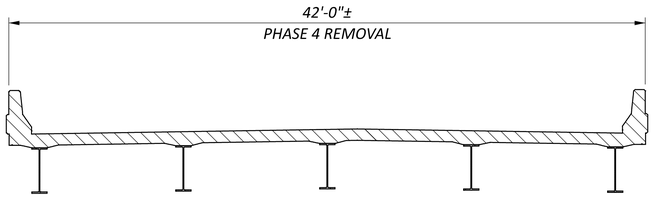
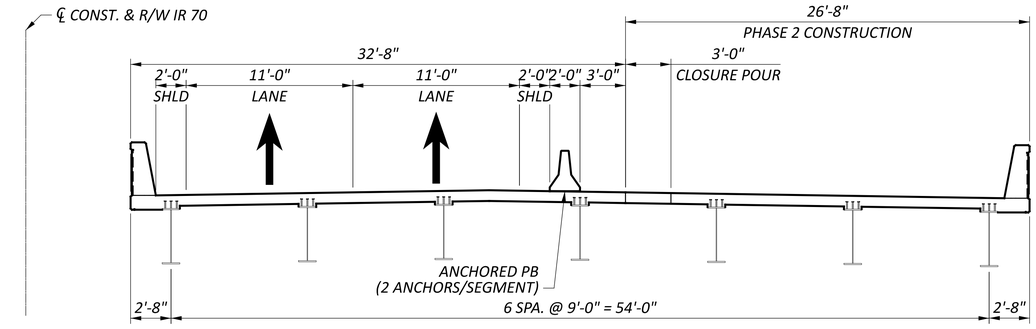
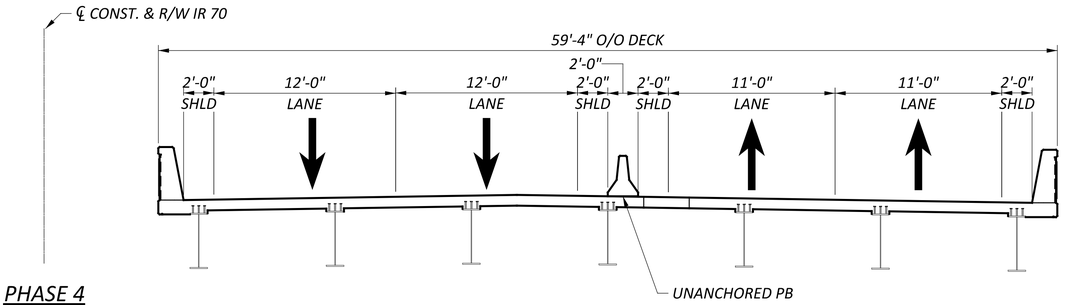






PHASE 2
CONSTRUCTION



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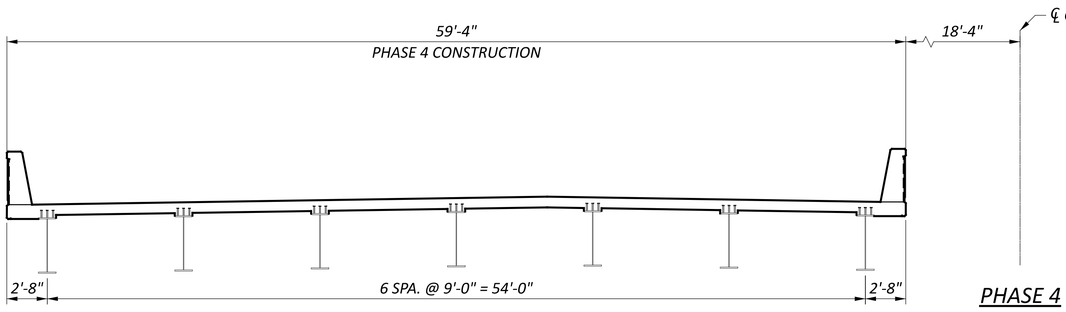
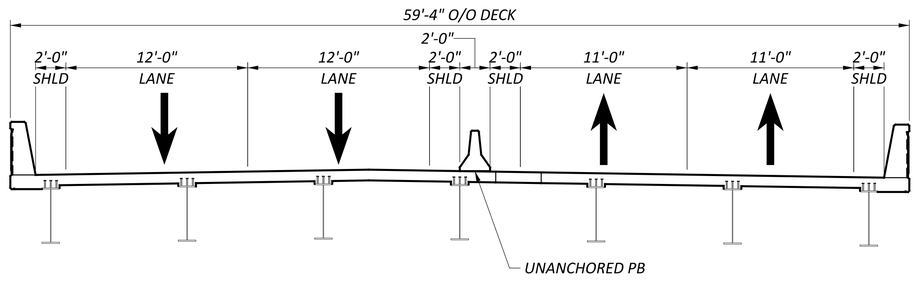
REMOVAL





PHASE 4
CONSTRUCTION

CONSTRUCTION SEQUENCE

PHASE 4:

1. INSTALL PORTABLE BARRIER AS SHOWN AND PER STD DWG PCB-91 OR RM-4.2.
2. REMOVE WB STRUCTURE.
3. CONSTRUCT WB STRUCTURE AND REMAINING PORTION OF MSE WALL.

LEGEND:

LIMITS OF REMOVAL PER ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN

PHASE CONSTRUCTION - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	7
TOTAL	34
SHEET	P.1459
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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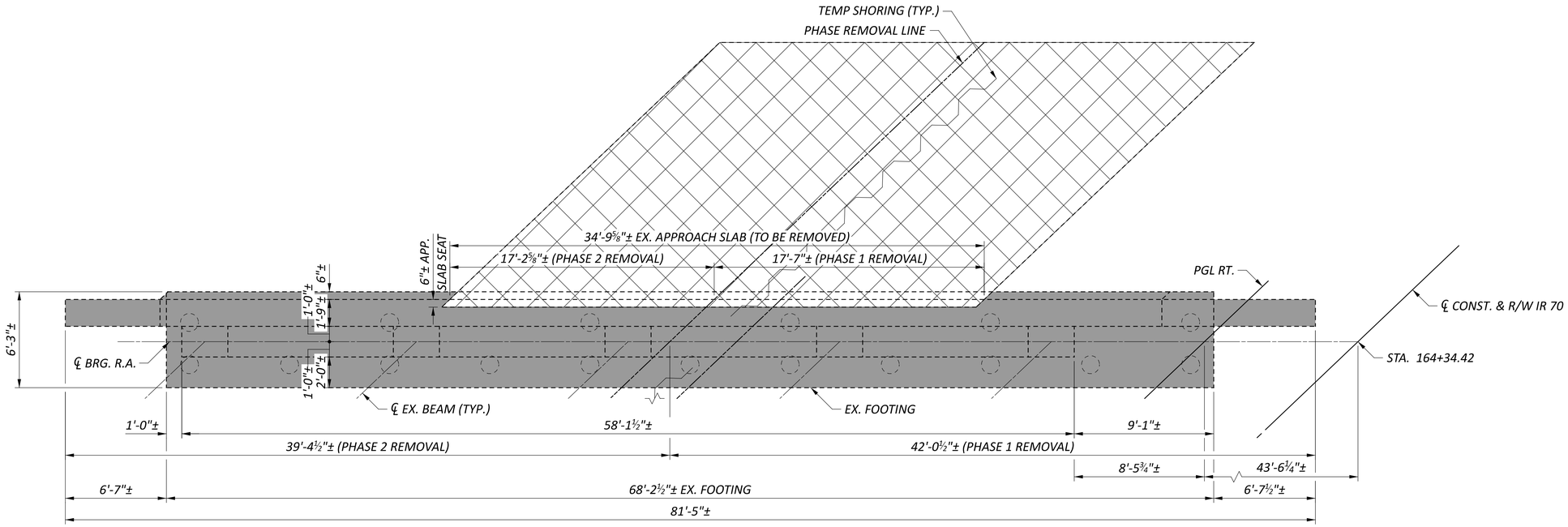
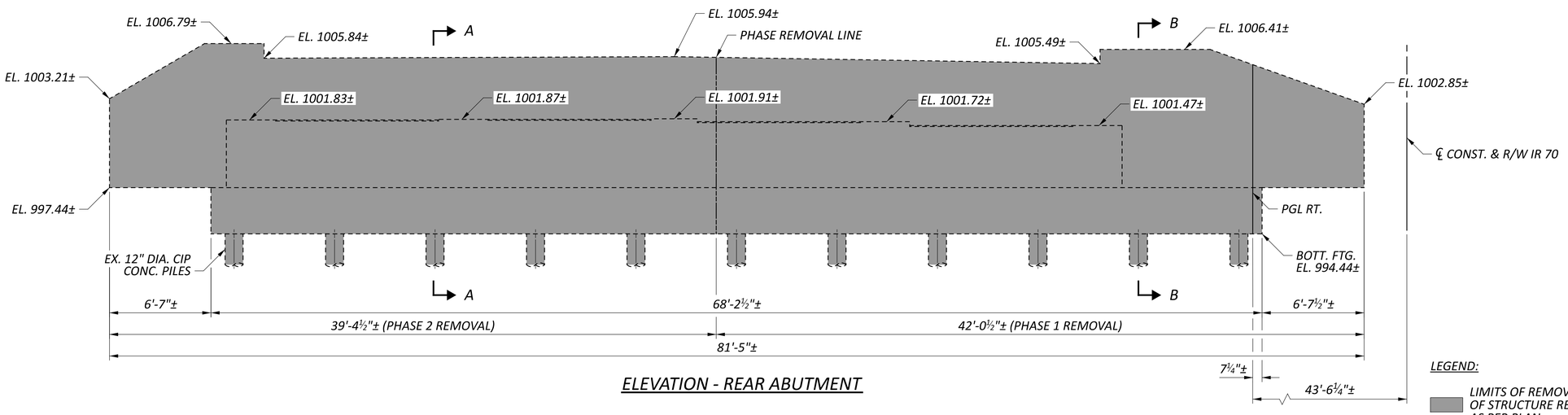


PLAN - REAR ABUTMENT



ELEVATION - REAR ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 10/34.

REMOVAL DETAILS - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	8
TOTAL	34
SHEET	P.1460
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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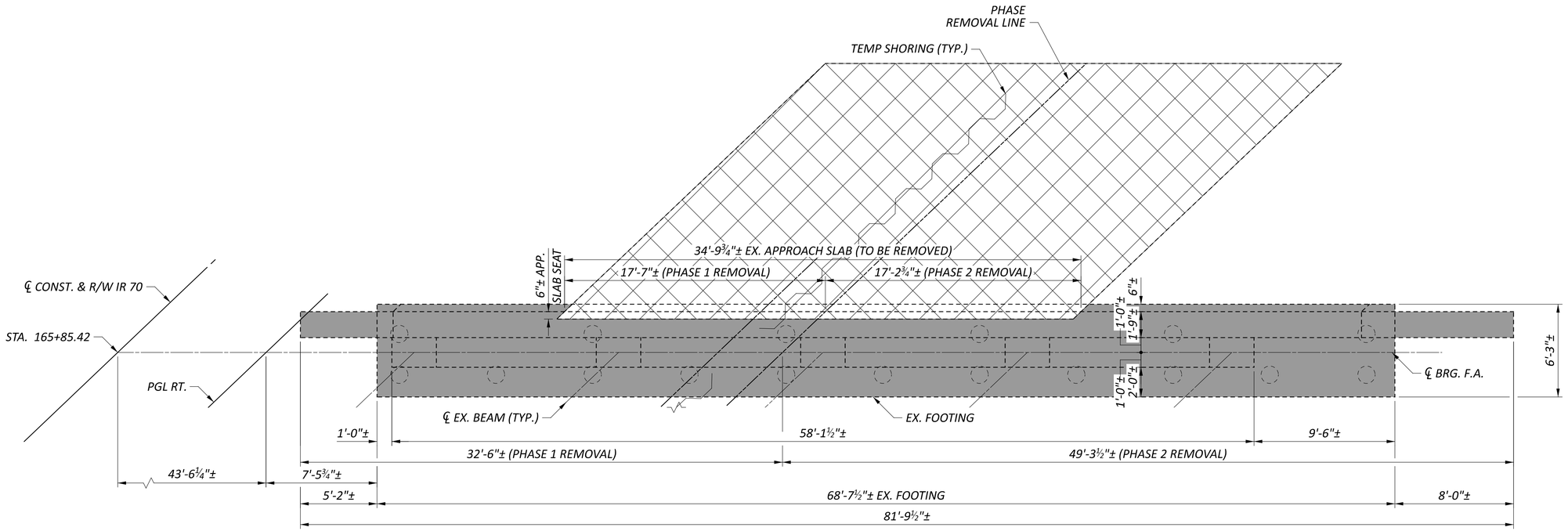
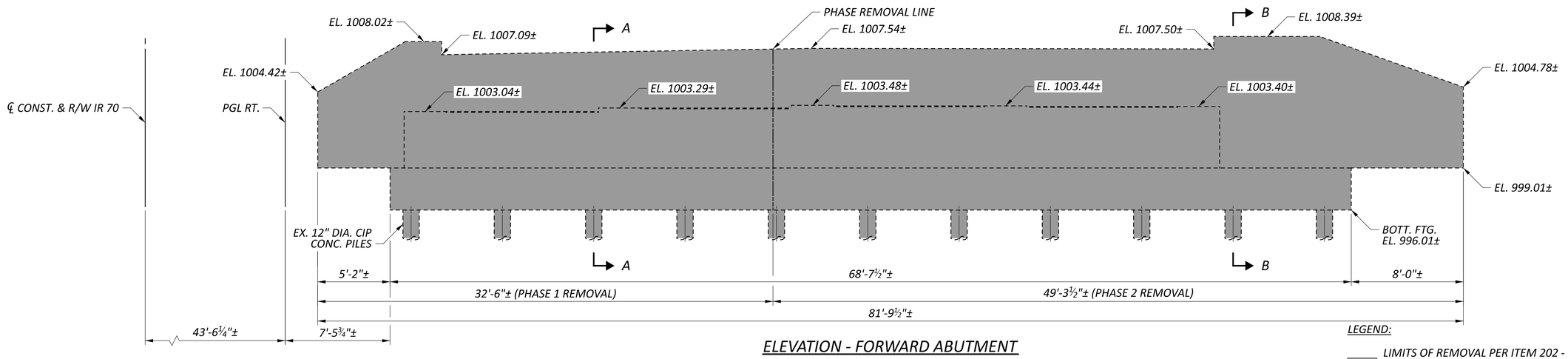


PLAN - FORWARD ABUTMENT



ELEVATION - FORWARD ABUTMENT

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE SHEET 10/34.

REMOVAL DETAILS - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

FAI/LIC-70-0.00/0.00

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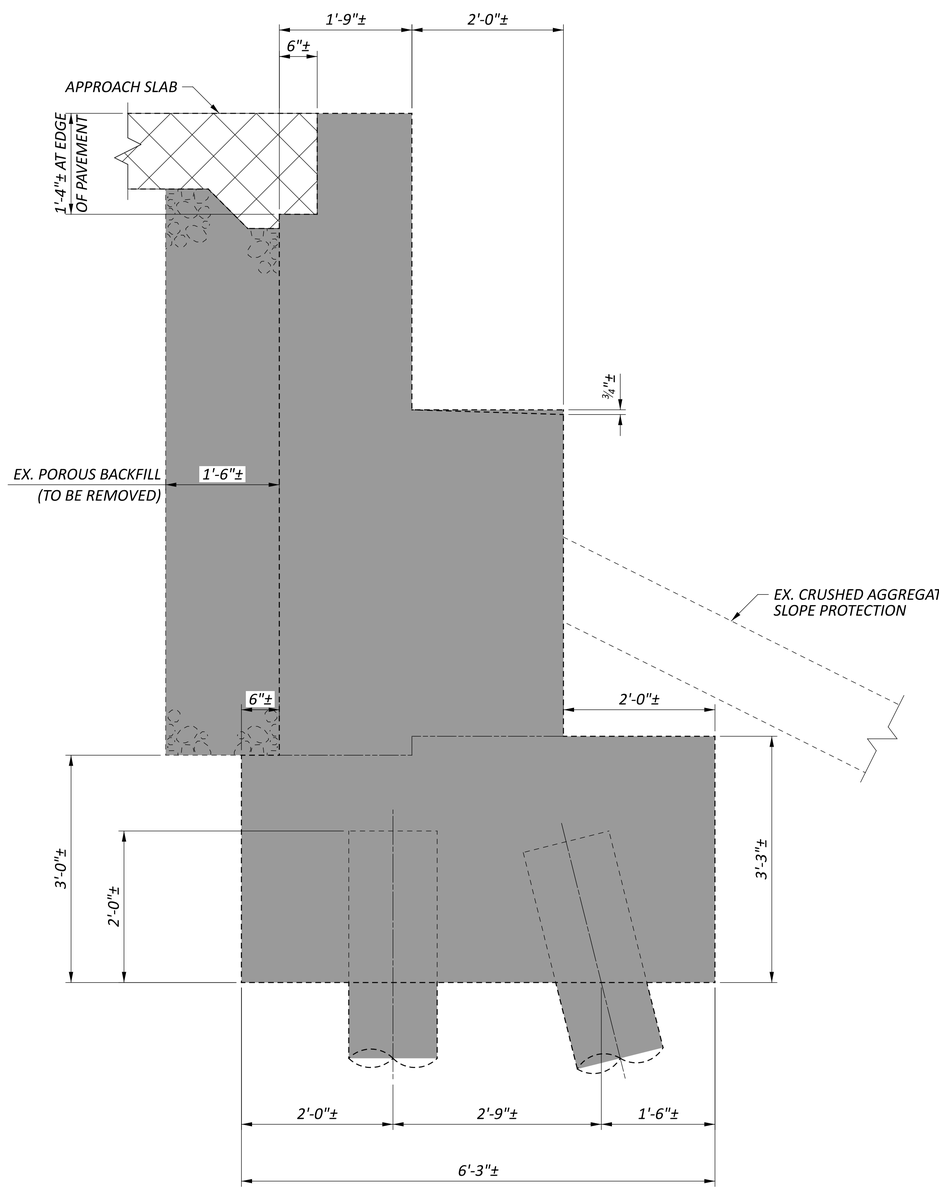
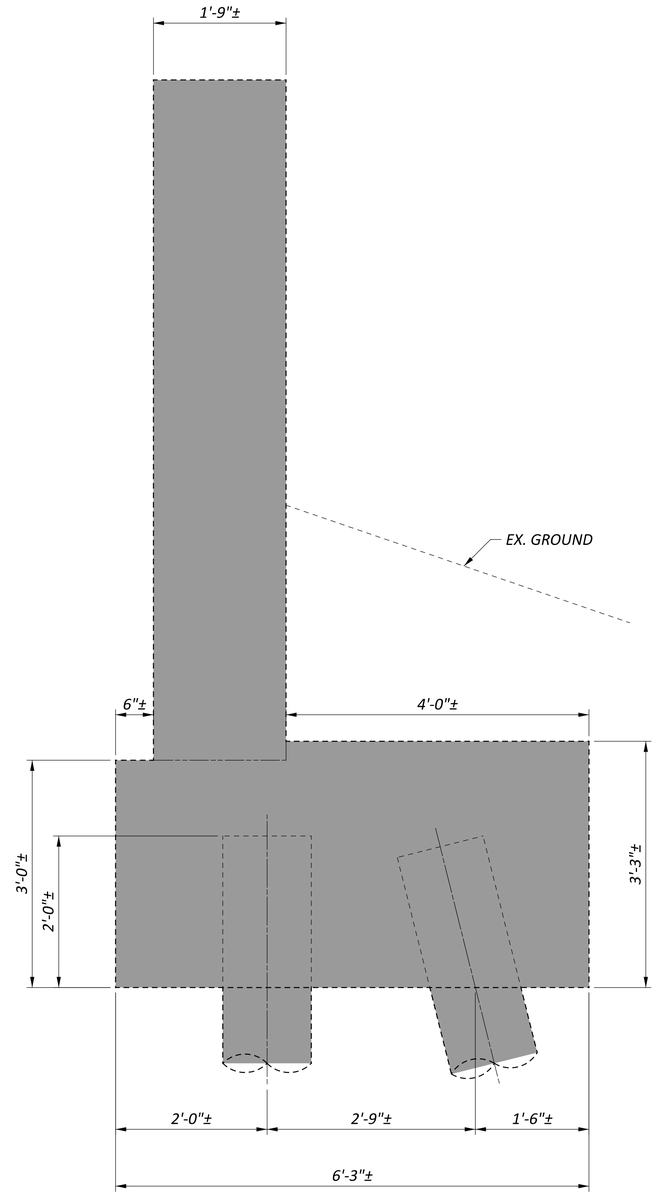
SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	9
TOTAL	34
SHEET	P.1461
TOTAL	P.1556



SECTION A-A



SECTION B-B

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

REMOVAL DETAILS - 3
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
PEG	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
10	34

SHEET	TOTAL
P.1462	P.1556

FAI/LIC-70-0.00/0.00

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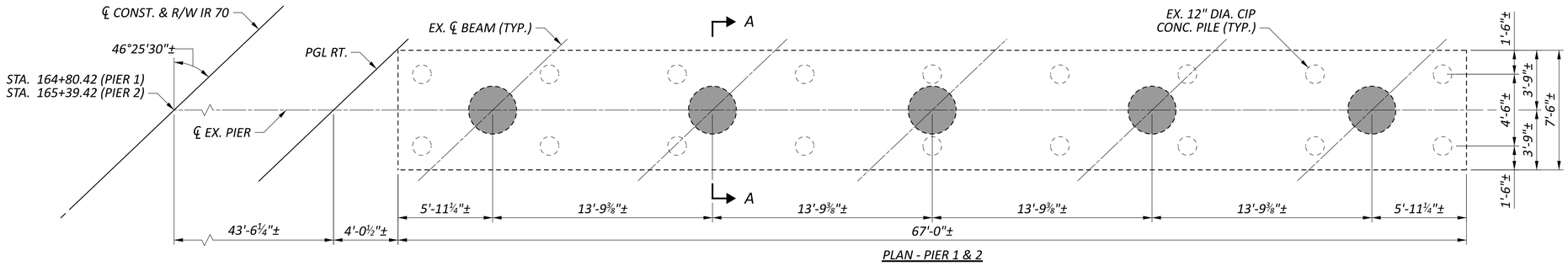
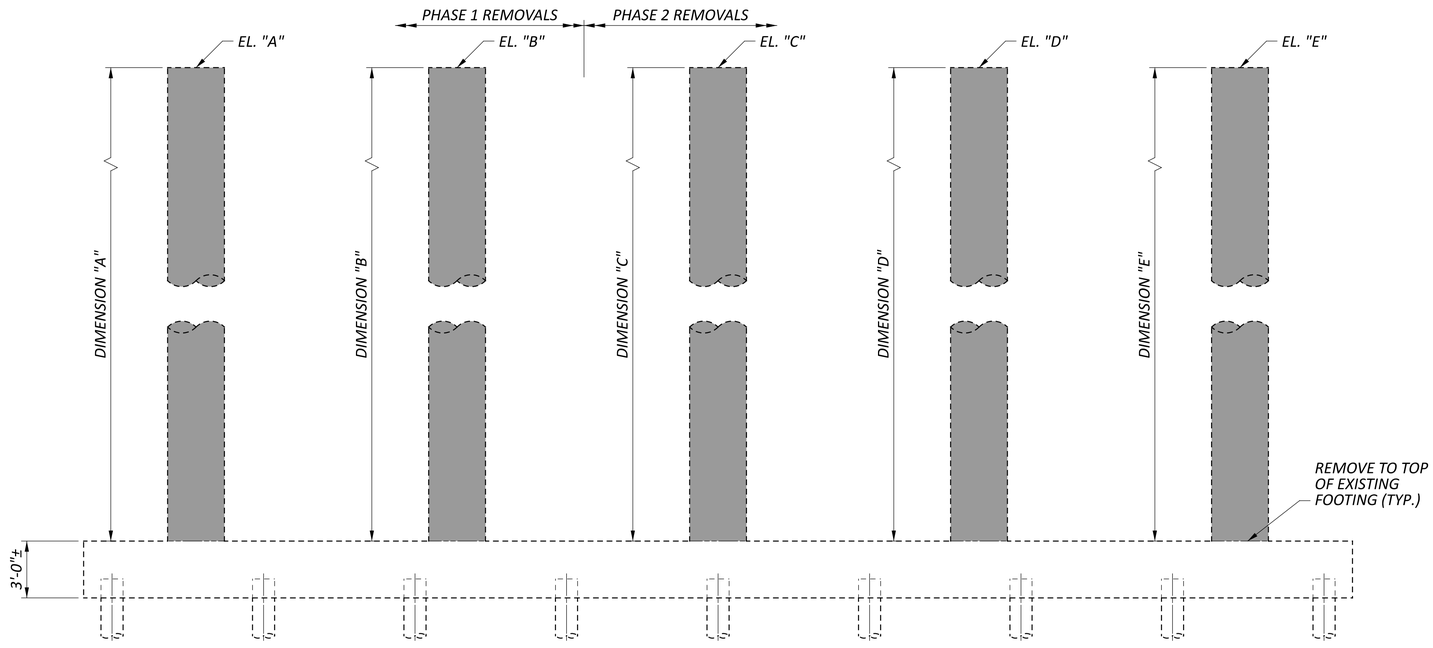
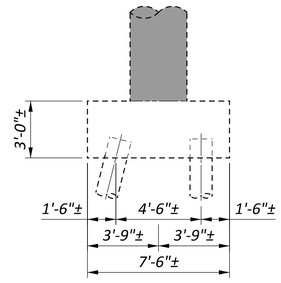


PLAN - PIER 1 & 2



ELEVATION - PIER 1 & 2



SECTION A-A

ELEVATIONS		
	PIER 1	PIER 2
EL. "A"	1001.91±	1002.23±
EL. "B"	1002.16±	1002.48±
EL. "C"	1002.35±	1002.67±
EL. "D"	1002.31±	1002.63±
EL. "E"	1002.26±	1002.58±

DIMENSIONS		
	PIER 1	PIER 2
DIM. "A"	18'-5½"±	17'-10 13/16"±
DIM. "B"	18'-8½"±	18'-1 13/16"±
DIM. "C"	18'-10 13/16"±	18'-4 1/16"±
DIM. "D"	18'-10 5/16"±	18'-3⅜"±
DIM. "E"	18'-9¾"±	18'-3"±

LEGEND:

LIMITS OF REMOVAL PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

REMOVAL DETAILS - 4
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
PEG	ABD

REVIEWER
CLB 4/28/25

PROJECT ID
96808

SUBSET	TOTAL
11	34

SHEET	TOTAL
P.1463	P.1556

FAI/LIC-70-0.00/0.00

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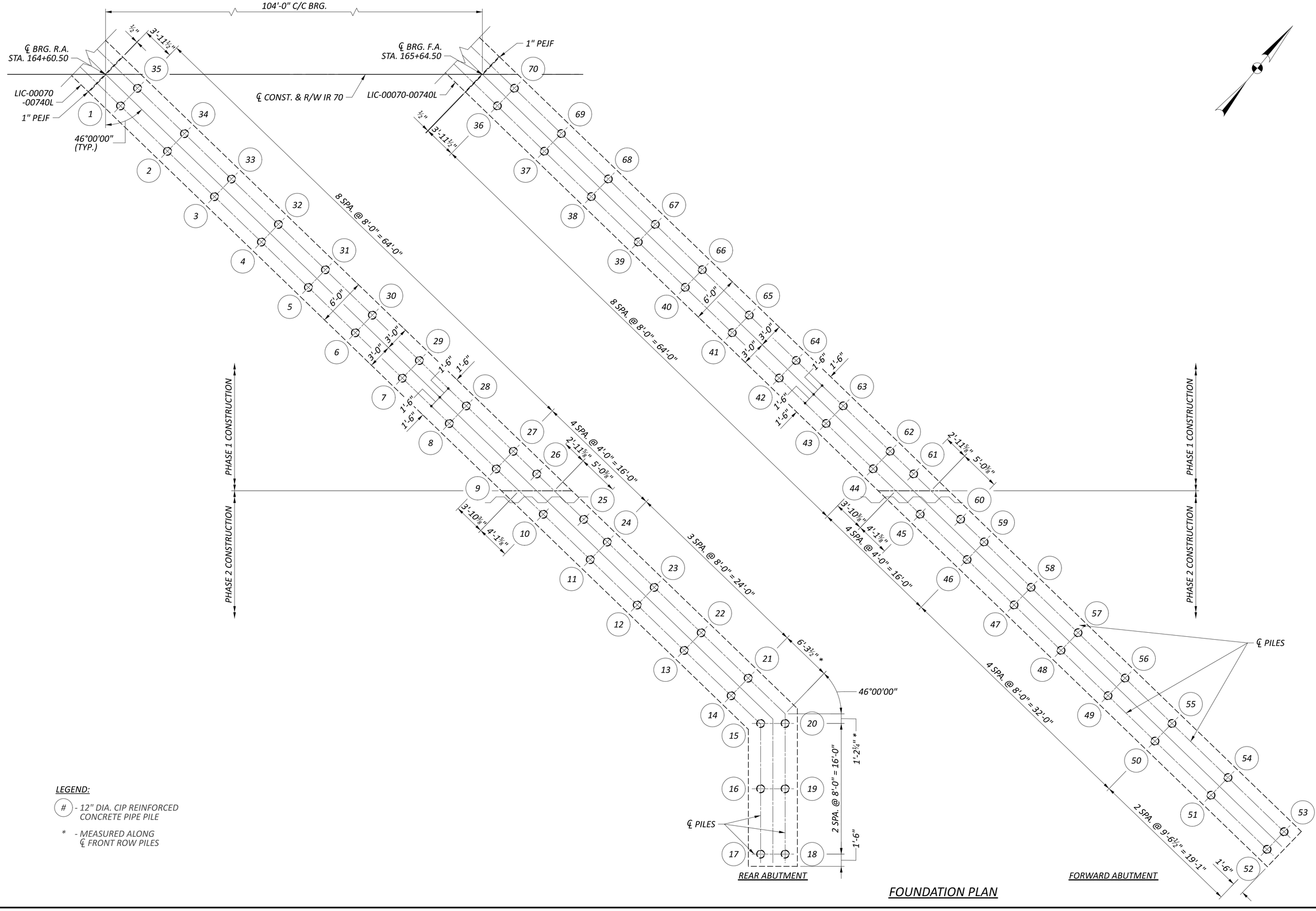

LEGEND:

(#) - 12" DIA. CIP REINFORCED CONCRETE PIPE PILE

* - MEASURED ALONG ℄ FRONT ROW PILES

FOUNDATION PLAN

FOUNDATION PLAN
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	12
TOTAL	34
SHEET	P.1464
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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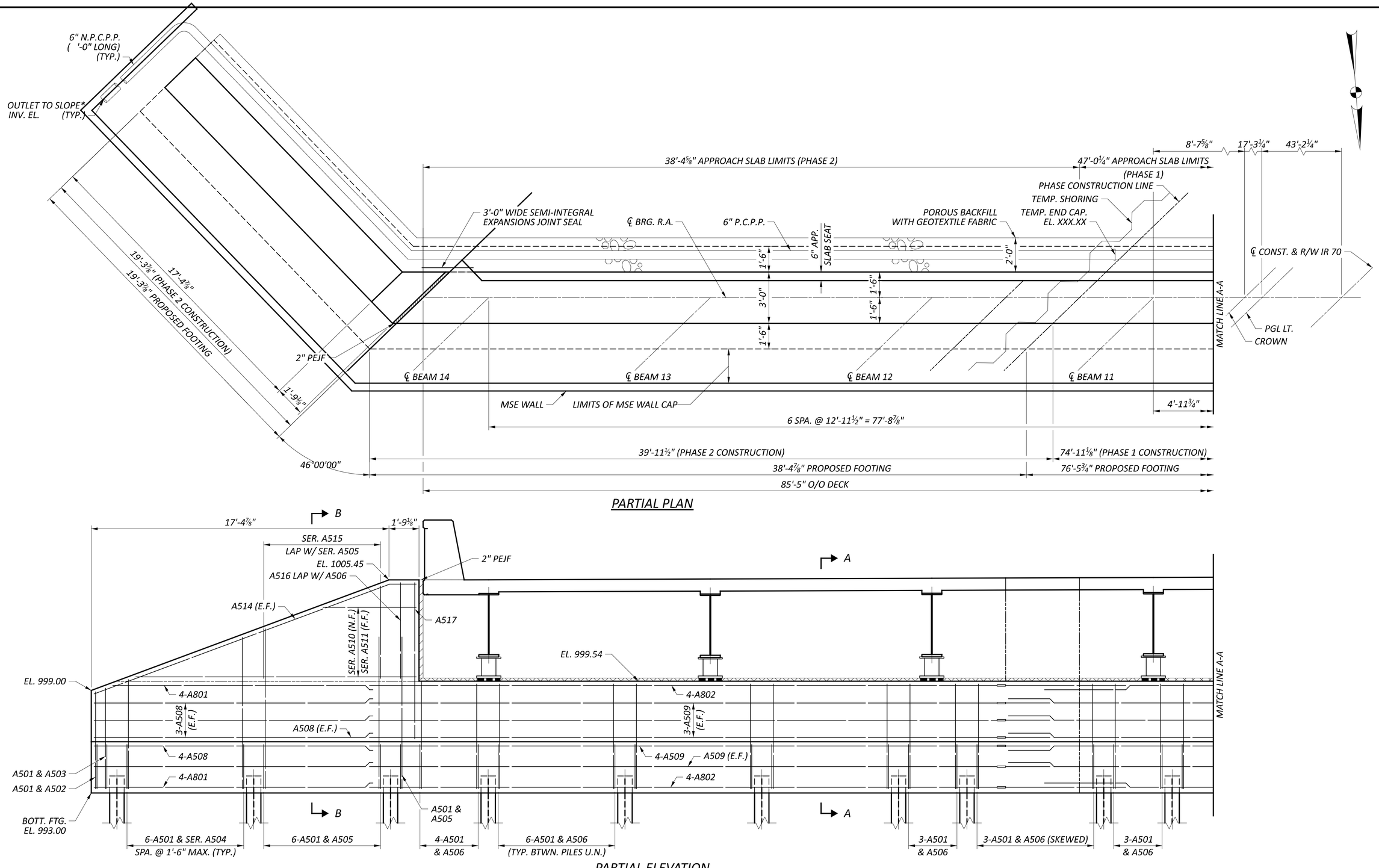

PARTIAL PLAN

PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 12/34.
2. FOR DIAPHRAGM DETAILS, SEE SHEETS 26/34 AND 28/34.
3. FOR SECTIONS A-A AND B-B, SEE SHEET 17/34.
4. FOR MATCH LINE A-A, SEE SHEET 14/34.

REAR ABUTMENT PLAN AND ELEVATION - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY: MORPHEN STRUCTUREPOINT INC.
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 13 | TOTAL 34
SHEET P.1465 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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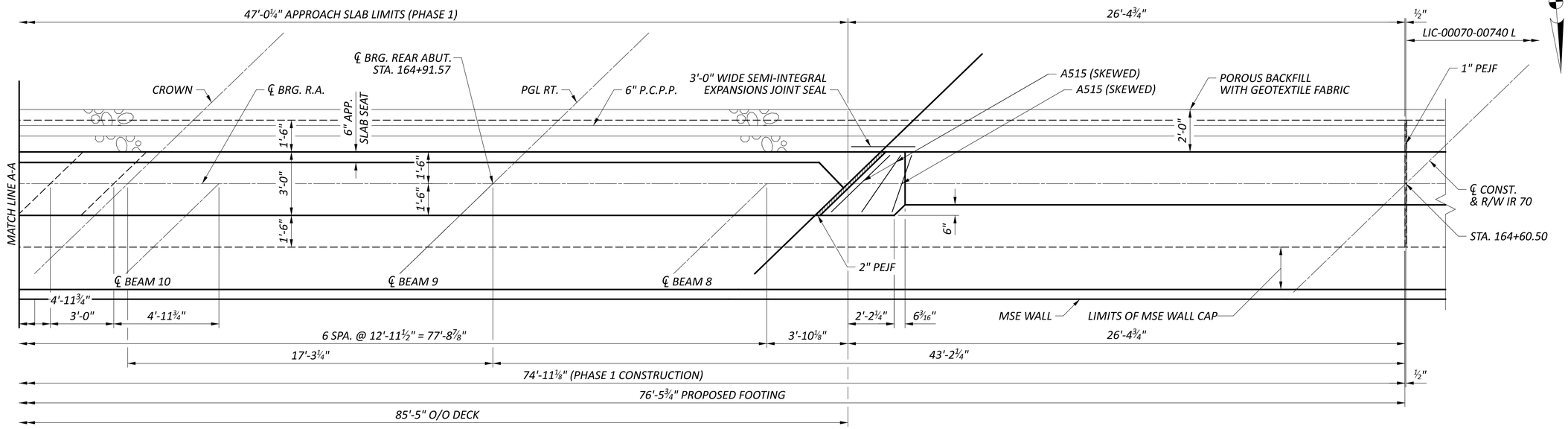
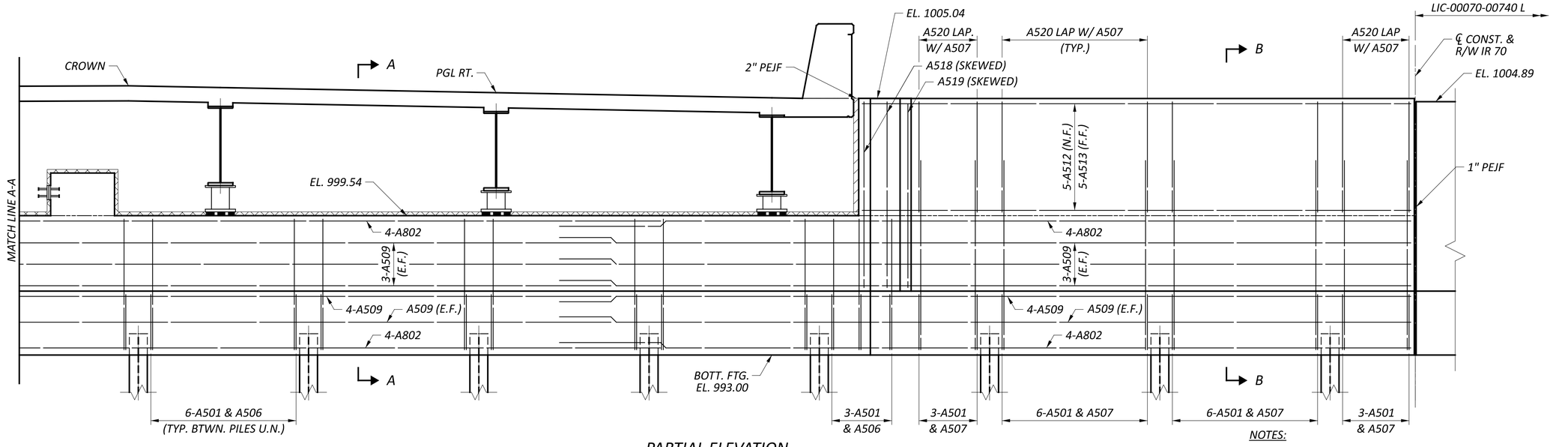


PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 12/34.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 18/34.
3. FOR DIAPHRAGM DETAILS, SEE SHEETS 26/34 AND 28/34.
4. FOR SECTIONS A-A AND B-B, SEE SHEET 17/34.
5. FOR MATCH LINE A-A, SEE SHEET 13/34.

REAR ABUTMENT PLAN AND ELEVATION - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	14
TOTAL	34
SHEET	P.1466
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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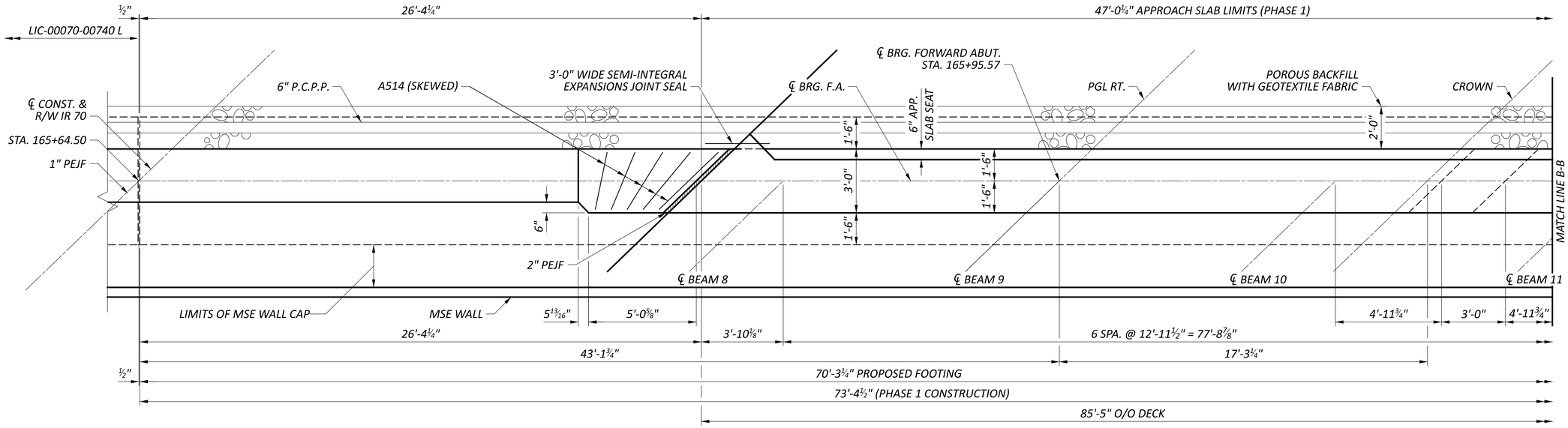
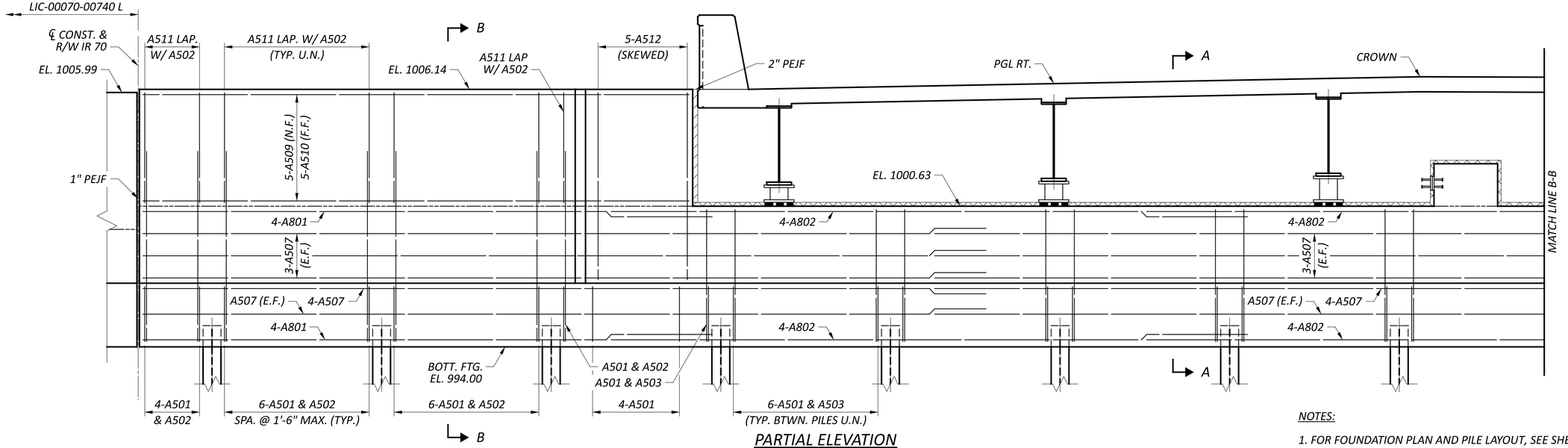


PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 12/34.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 18/34.
3. FOR DIAPHRAGM DETAILS, SEE SHEETS 27/34 AND 28/34.
4. FOR SECTIONS A-A AND B-B, SEE SHEET 17/34.
5. FOR MATCH LINE B-B, SEE SHEET 16/34.

FORWARD ABUTMENT PLAN AND ELEVATION - 1

BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER PEG | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 15 | TOTAL 34
SHEET P.1467 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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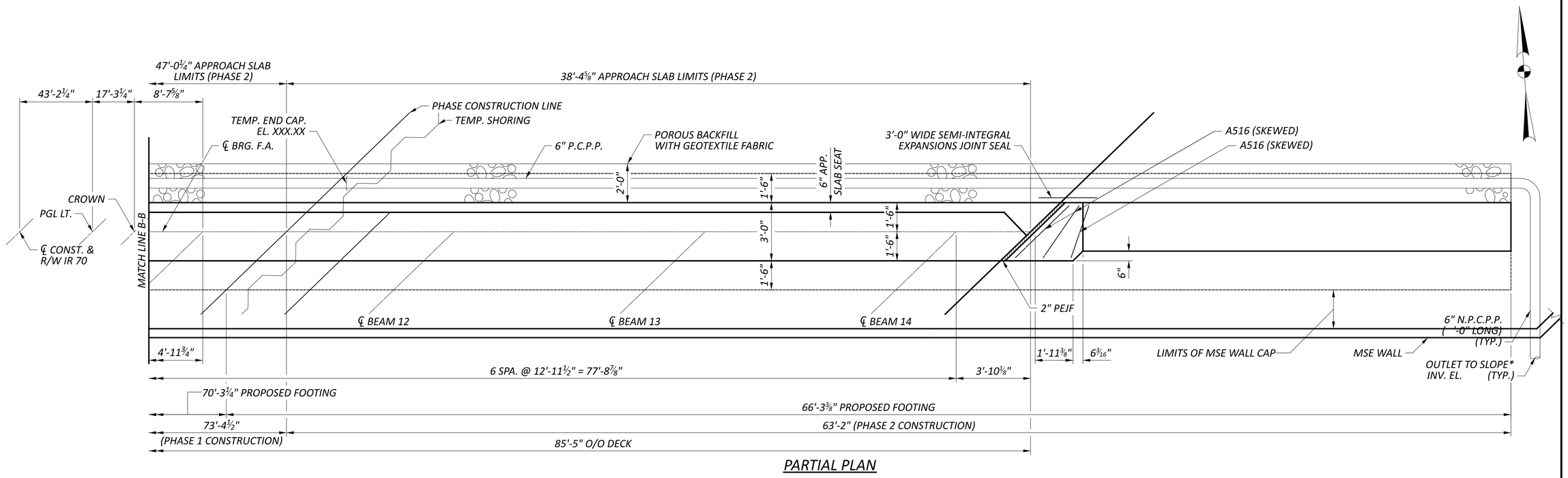
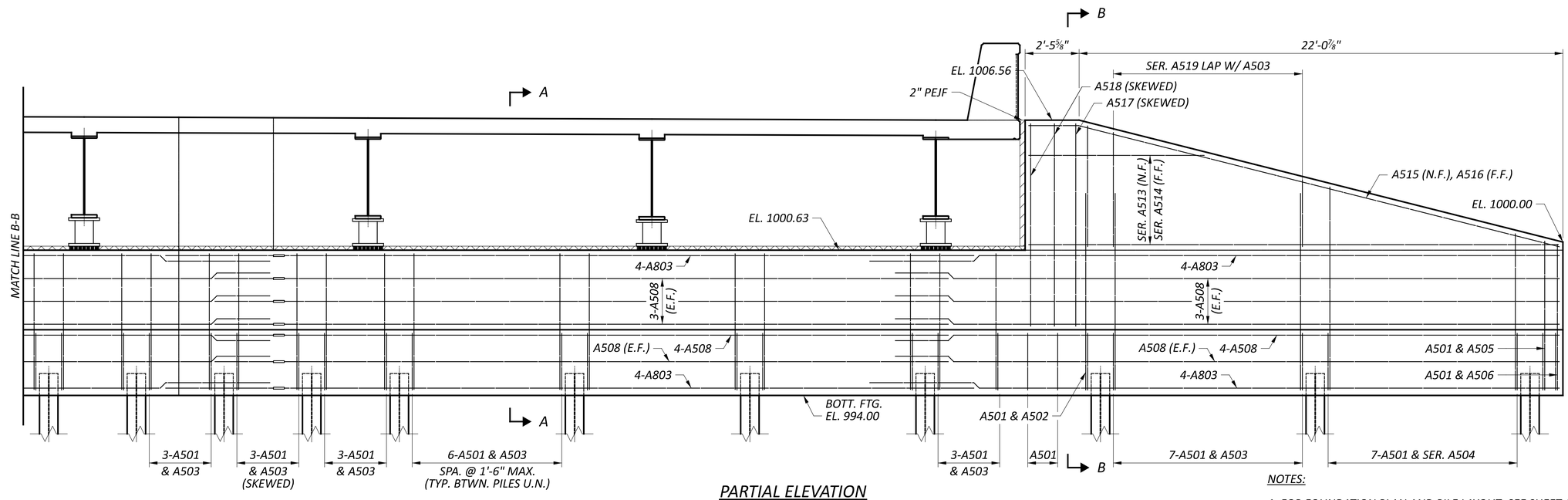


PARTIAL PLAN



PARTIAL ELEVATION

MINIMUM BAR LAP	
#5	3'-1"
#8	5'-4"

NOTES:

1. FOR FOUNDATION PLAN AND PILE LAYOUT, SEE SHEET 12/34.
2. FOR DIAPHRAGM DETAILS, SEE SHEET 18/34.
3. FOR SECTIONS A-A AND B-B, SEE SHEET 17/34.
4. FOR MATCH LINE B-B, SEE SHEET 15/34.

FORWARD ABUTMENT PLAN AND ELEVATION - 2

BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915

DESIGN AGENCY: STRUCTUREPOINT LLC

DESIGNER	CHECKER
PEG	ABD

REVIEWER: CLB 4/28/25

PROJECT ID: 96808

SUBSET	TOTAL
16	34

SHEET	TOTAL
P.1468	P.1556

FAI/LIC-70-0.00/0.00

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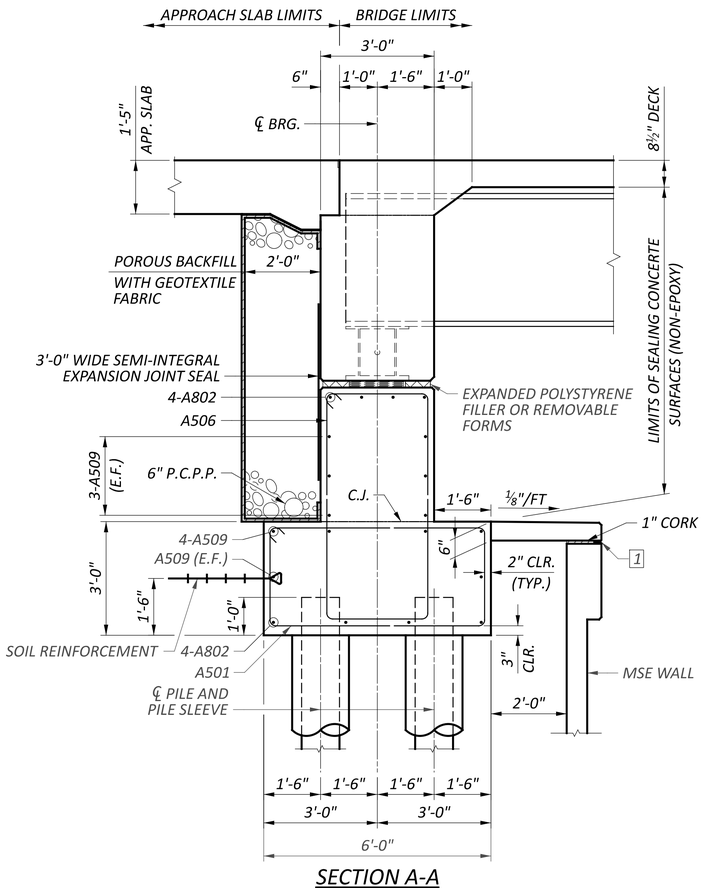
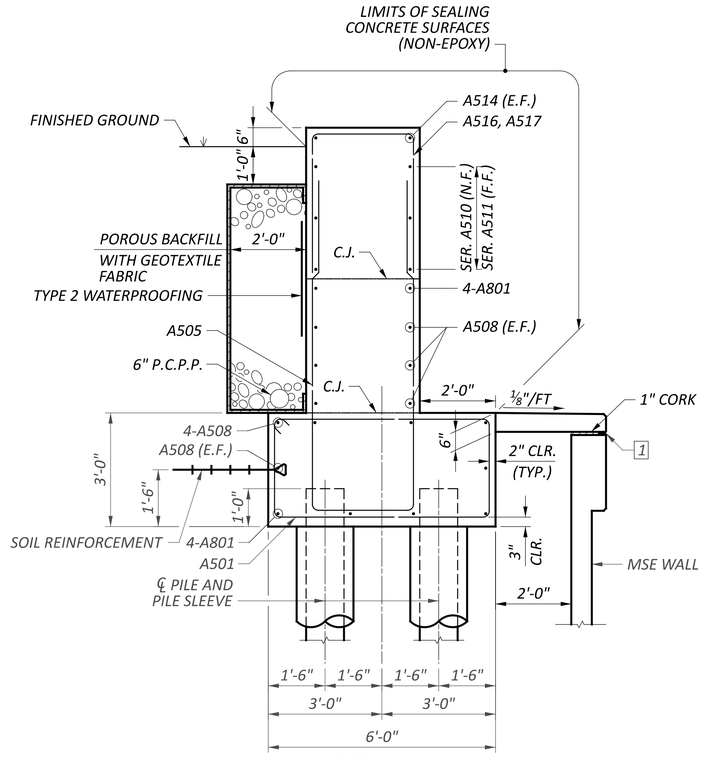


SECTION A-A



SECTION B-B

LEGEND:

1 - *1/2" DECK-O-SEAL GUN GRADE JOINT SEALANT OR APPROVED EQUAL, OVER 1" PREFORMED CORK EXPANSION JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03)*

ABUTMENT DETAILS
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	17
TOTAL	34
SHEET	P.1469
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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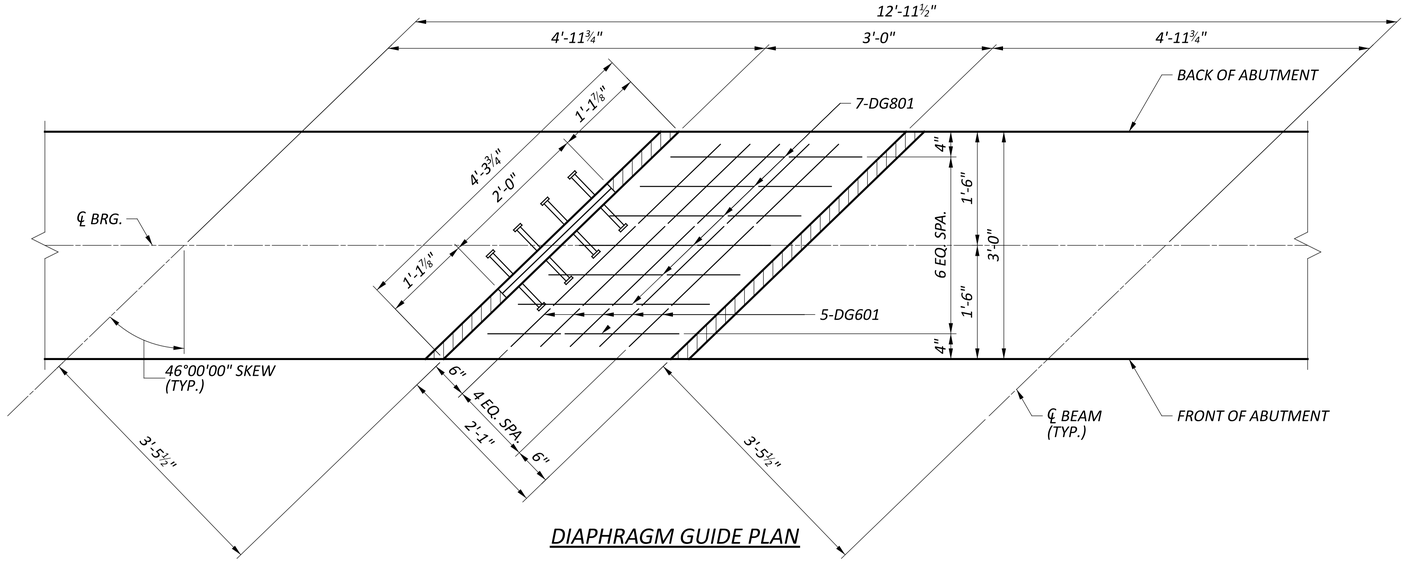
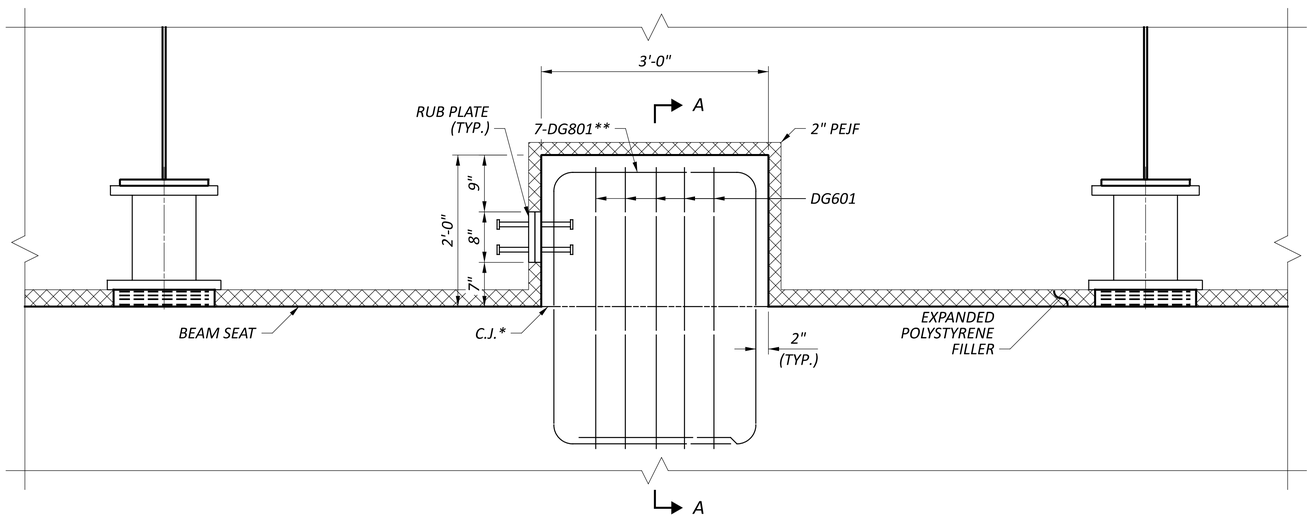
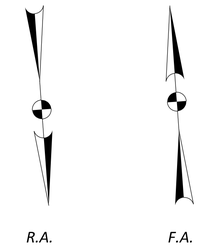
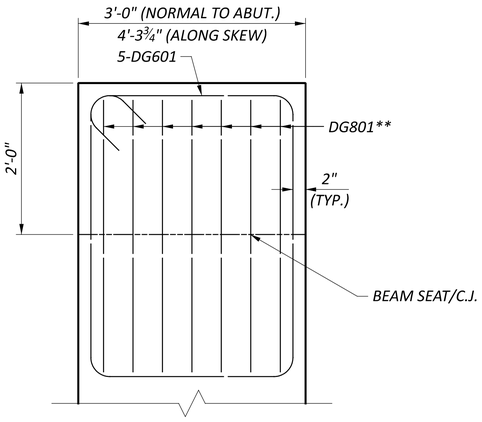


DIAPHRAGM GUIDE PLAN



DIAPHRAGM GUIDE ELEVATION





SECTION A-A

LEGEND:

* - FINISH THE SURFACE OF THE CONSTRUCTION JOINT WITH A SERRATED TROWEL. THE SERRATIONS SHALL BE 1/4" DEEP.

** - PLACE TO AVOID INTERFERENCE WITH LONGITUDINAL REINFORCEMENT IN THE BEAM SEAT.

NOTES:

1. FOR ADDITIONAL DIAPHRAGM GUIDE DETAILS, SEE STANDARD DRAWING SICD-2-14.
2. FOR DIAPHRAGM GUIDE LOCATIONS, SEE SHEETS 14/34 THRU 15/34.
3. FOR DIAPHRAGM DETAILS, SEE SHEETS 26/34 THRU 28/34.

ABUTMENT DIAPHRAGM GUIDE DETAILS
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	MORGAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	18
TOTAL	34
SHEET	P.1470
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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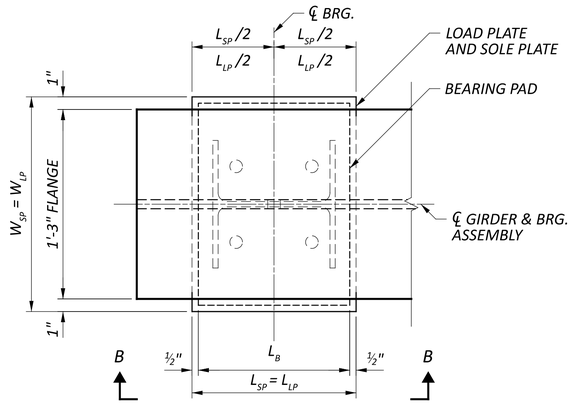
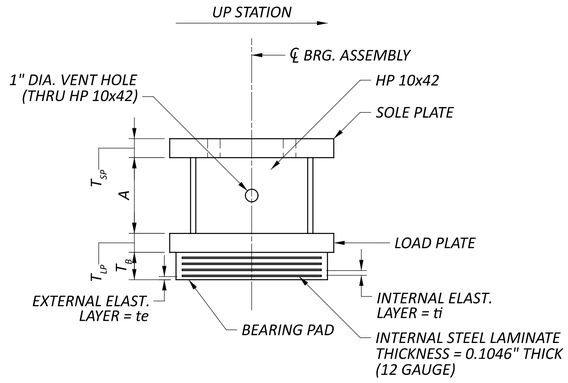
BEARING SCHEDULE										
LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L_B x W_B x T_B	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	STEEL LOAD PLATE L_{LP} x W_{LP} x T_{LP}	STEEL SOLE PLATE L_{SP} x W_{SP} x T_{SP}
REAR ABUT.	EXPANSION	7	1'-0" x 1'-4" x 2.168"	4 (t= 0.1046")	0.375"	4	0.25"	1	1'-1" x 1'-5" x 1½"	1'-1" x 1'-5" x 1½"
FWD. ABUT.	EXPANSION	7	1'-0" x 1'-4" x 2.168"	4 (t= 0.1046")	0.375"	4	0.25"	1	1'-1" x 1'-5" x 1½"	1'-1" x 1'-5" x 1½"

UNFACTORED BEARING LOADS (KIP)		
	R.A.	F.A.
DEAD LOAD	130.4	130.4
LIVE LOAD	51.1	51.1
TOTAL LOAD	181.5	181.5

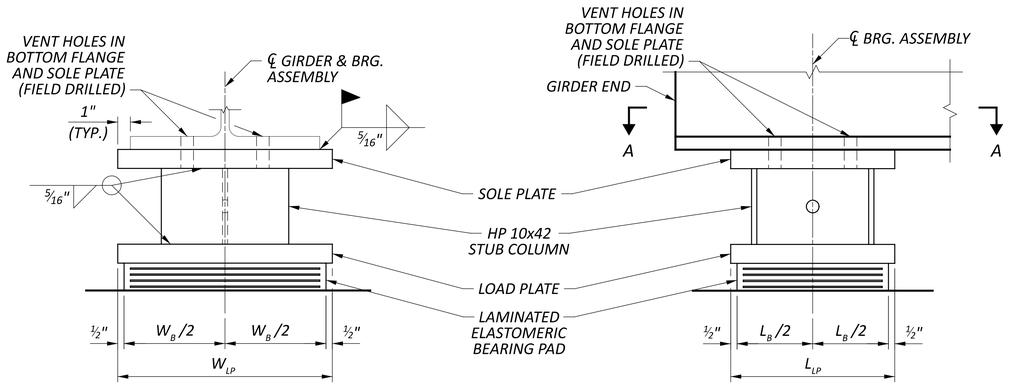


SECTION A-A



SECTION B-B

HP HEIGHT (INCH)	
GIRDER	A
8	6"
9	8 7/8"
10	11 13/16"
11	12 7/16"
12	11 7/8"
13	11 5/16"
14	10 3/4"



EXPANSION BEARINGS

NOTES:

1. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
2. THE STEEL PLATES, AND ROLLED SHAPES FOR ELASTOMERIC BEARINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS. STRUCTURAL STEEL SOLE PLATES, HP SECTIONS AND LOAD PLATES SHALL BE PAINTED PER CMS 513 AND 514.
3. ITEM 516, ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, SHALL INCLUDE ALL LABOR, MATERIALS, FABRICATION, LOAD PLATE, SOLE PLATE, HP SHAPE, PAINTING, FIELD DRILLING VENT HOLES, AND EQUIPMENT NECESSARY TO COMPLETE THE BEARINGS IN PLACE.
4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.

BEARING DETAILS
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER DAS | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 19 | TOTAL 34
SHEET P.1471 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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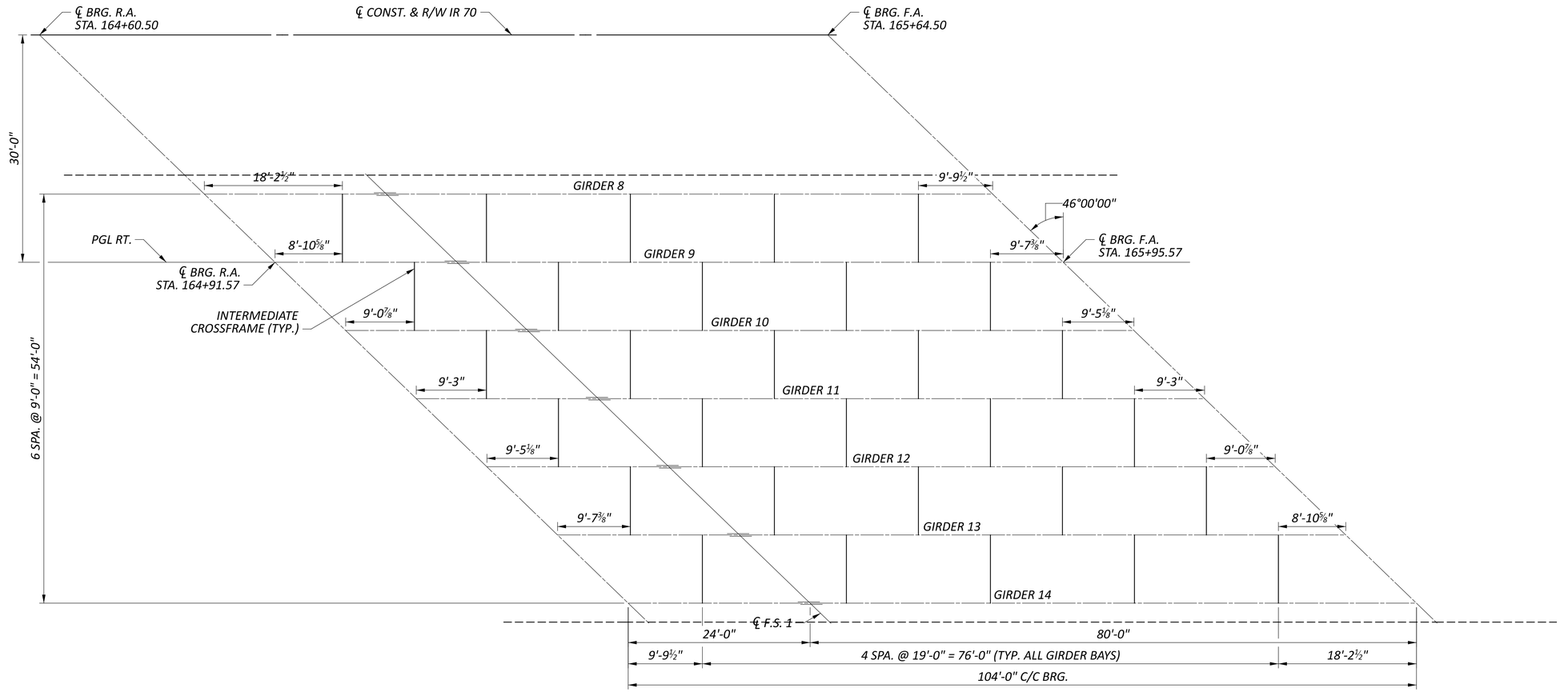

FRAMING PLAN

NOTES:

1. FOR GIRDER DETAILS, SEE SHEETS 21/34 THRU 23/34.
2. FOR TRANSVERSE SECTION, SEE SHEET 24/34.

FRAMING PLAN
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915

DESIGN AGENCY
WEPFER STRUCTUREPOINT INC

DESIGNER	CHECKER
PEG	JCS

REVIEWER
CLB 4/28/25

PROJECT ID
96808

SUBSET	TOTAL
20	34

SHEET	TOTAL
P.1472	P.1556

FAI/LIC-70-0.00/0.00

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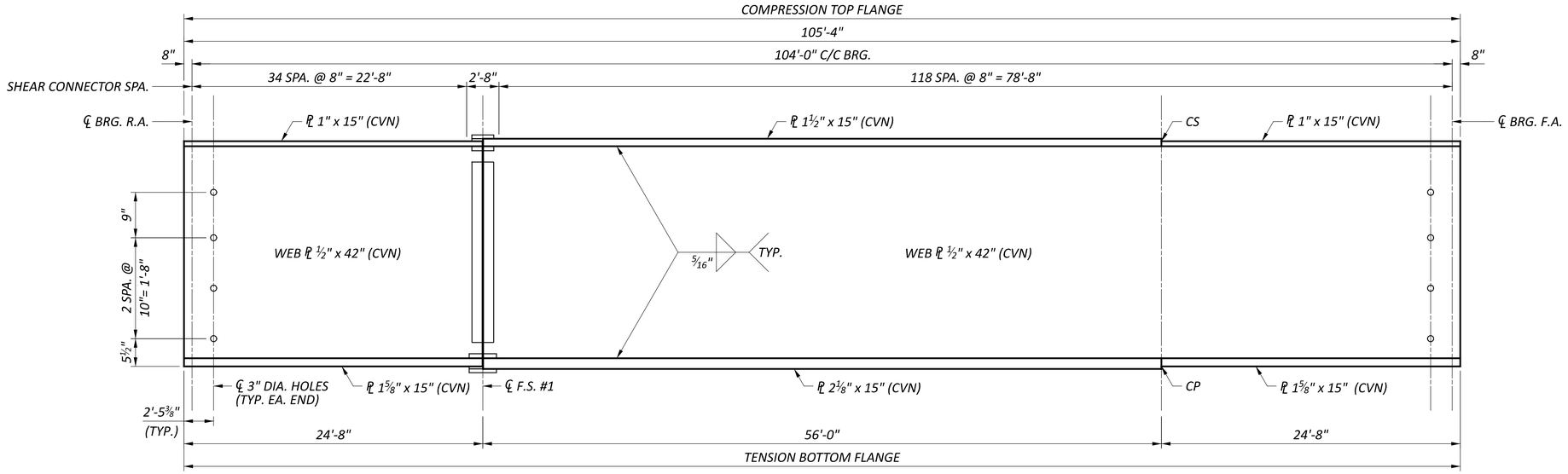
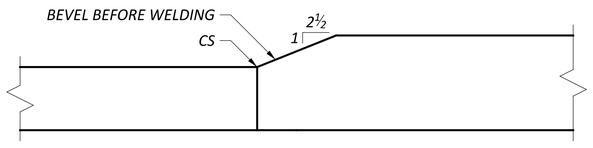
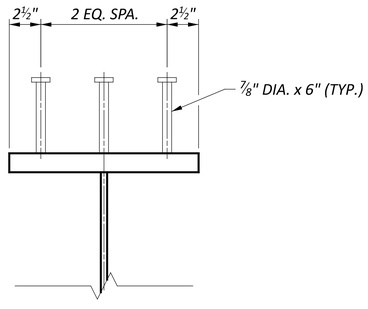


TYPICAL GIRDER ELEVATION



FLANGE WELD DETAIL

(TOP FLANGE SHOWN, BOTTOM SIMILAR)



TYPICAL SHEAR CONNECTOR DETAIL

LEGEND:

CS - INDICATES BUTT WELD SUBJECT TO COMPRESSION STRESSES ONLY

CP - INDICATES COMPLETE JOINT PENETRATION WELD

NOTES:

1. *FOR FRAMING PLAN, SEE SHEET 20/34.*
2. *FOR ADDITIONAL GIRDER DETAILS, SEE SHEETS 22/34 THRU 23/34.*
3. *ALL STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 50, YIELD STRENGTH 50 KSI.*
4. *ALL FLANGE AND WEB PLATES, INCLUDING FIELD SPLICE PLATES, CROSS FRAME MEMBERS, AND CROSS FRAME CONNECTION STIFFENERS, SHALL BE DESIGNATED "CVN".*
5. *WHERE A SHAPE OR PLATE IS DESIGNATED "CVN", FURNISH MATERIAL THAT MEETS THE MINIMUM NOTCH TOUGHNESS REQUIREMENT AS SPECIFIED IN CMS 711.01.*
6. *ALL BOLTED CONNECTIONS SHALL BE SLIP CRITICAL USING 7/8" DIAMETER A325 GALVANIZED TYPE 1 BOLTS, UNLESS OTHERWISE NOTED. HOLES IN CROSSFRAME CONNECTIONS MAY BE OVERSIZED AT 15/16" DIAMETER IN ONE PLY ONLY.*
7. *AT ALL FIELD SPLICES, BOLT HEADS SHALL BE PLACED ON THE OUTSIDE FACE OF THE EXTERIOR BEAMS, ON THE BOTTOM OF THE BOTTOM FLANGE SPLICE PLATES, AND ON THE TOP OF THE TOP FLANGE SPLICE PLATES.*
8. *GIRDERS AND CROSS FRAMES SHALL BE FABRICATED SUCH THAT WEBS ARE PLUMB UNDER THE STEEL DEAD LOAD CONDITION.*
9. *GIRDER ENDS AT THE ABUTMENTS SHALL BE VERTICAL (PARALLEL TO ABUTMENT FACE) UNDER FULL DEAD LOAD ROTATION.*
10. *FOR STEEL ERECTION, TWO OR MORE GIRDERS MUST BE ERECTED AND FULLY BRACED BEFORE SUSPENDING OPERATIONS. GIRDERS SHALL BE TEMPORARILY ANCHORED, BRACED OR OTHERWISE SUPPORTED TO MAINTAIN STABILITY UNTIL THE CROSSFRAMES ARE CONNECTED.*
11. *COMPLETE JOINT PENETRATION WELDS SHALL BE GROUND SMOOTH IN LONGITUDINAL DIRECTION TO REMOVE WELD REINFORCEMENT.*

GIRDER DETAILS - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	JCS
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	21
TOTAL	34
SHEET	P.1473
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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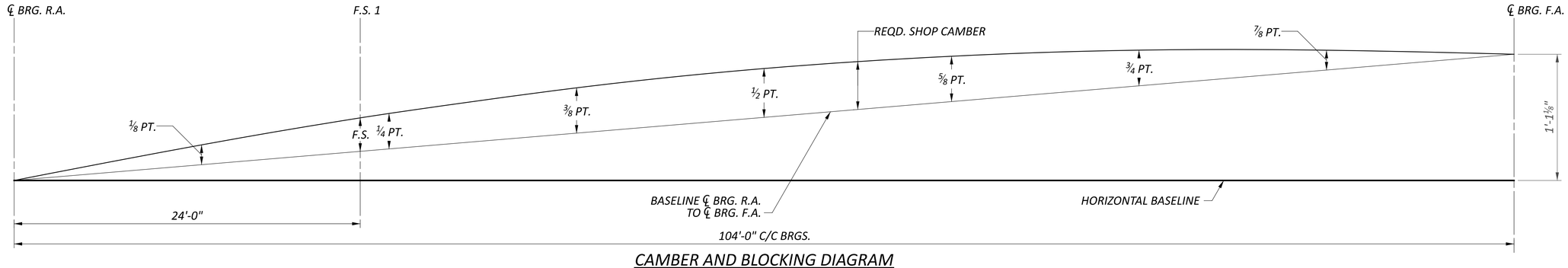
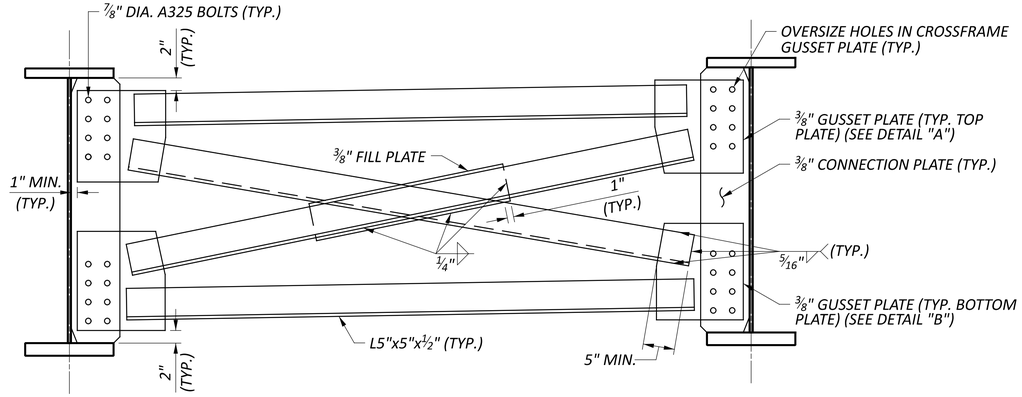
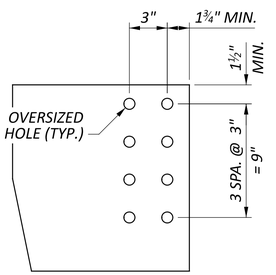
STRUCTURAL STEEL DEFLECTION & CAMBER TABLE										
	℄ BRG. R.A.	1/8 POINT	F.S. 1	1/4 POINT	3/8 POINT	1/2 POINT	5/8 POINT	3/4 POINT	7/8 POINT	℄ BRG. F.A.
DEFLECTION DUE TO WEIGHT OF STEEL	0"	3/8"	5/8"	5/8"	13/16"	7/8"	13/16"	5/8"	3/8"	0"
DEFLECTION DUE TO REMAINING DEADLOAD	0"	1 11/16"	2 7/8"	3 1/16"	3 7/8"	4 3/16"	3 7/8"	3 1/16"	1 11/16"	0"
ADJUSTMENT REQUIRED FOR VERTICAL CURVE	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
REQUIRED SHOP CAMBER	0"	2 1/16"	3 1/2"	3 11/16"	4 11/16"	5 1/16"	4 11/16"	3 11/16"	2 1/16"	0"



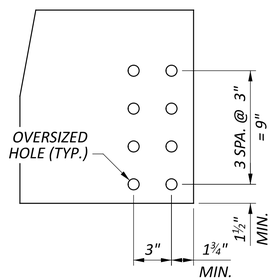
CAMBER AND BLOCKING DIAGRAM



TYPICAL INTERMEDIATE CROSSFRAME



DETAIL "A"



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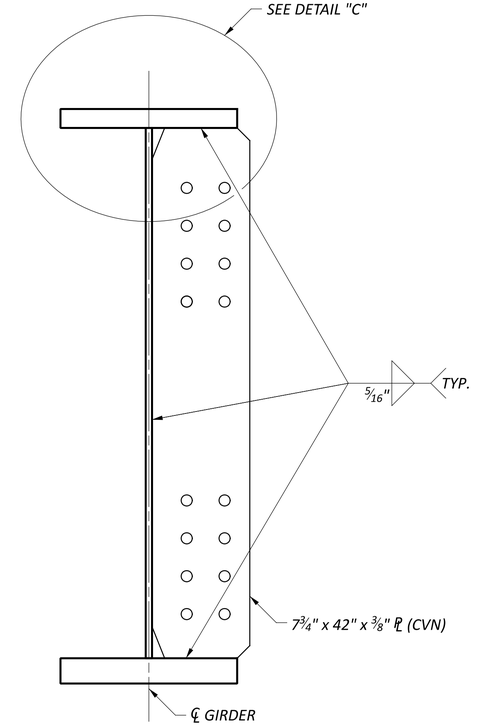
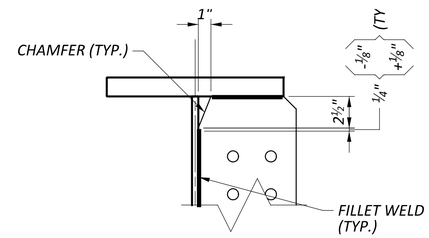


CROSSFRAME CONNECTION PLATE



DETAIL "C"

WELD AND CLIP DETAIL

NOTES:

1. FOR FRAMING PLAN, SEE SHEET 20/34.
2. FOR GIRDER ELEVATION AND ADDITIONAL NOTES, SEE SHEET 21/34.
3. FOR ADDITIONAL INTERMEDIATE CROSSFRAME DETAILS, SEE STANDARD DRAWING GSD-1-19.

GIRDER DETAILS - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER PEG | CHECKER JCS
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 22 | TOTAL 34
SHEET P.1474 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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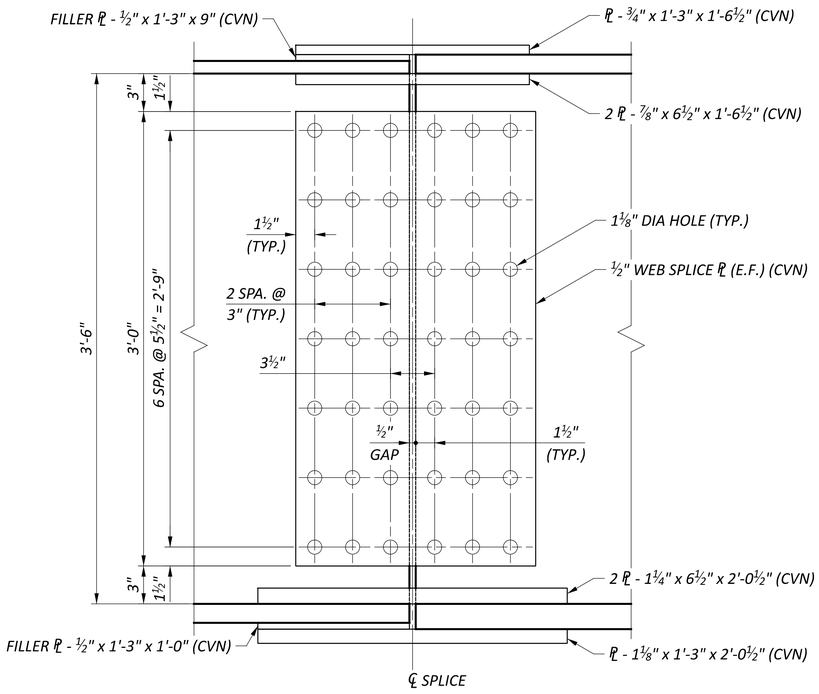
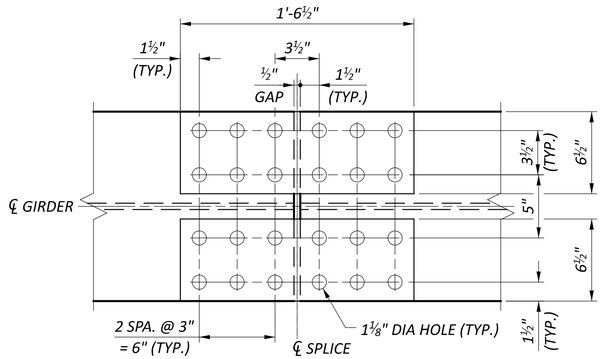
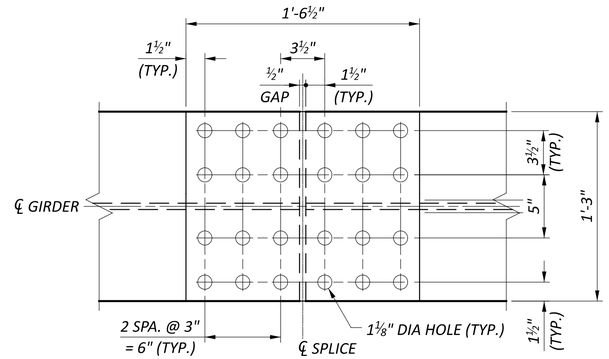


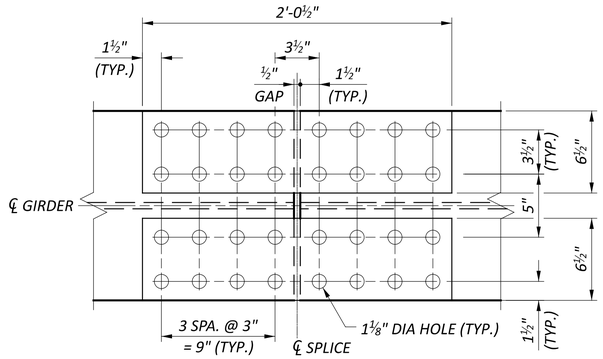
WEB PLATE



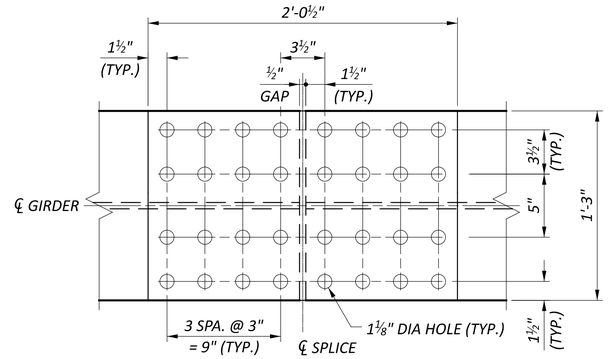
TOP FLANGE INNER PLATES



TOP FLANGE OUTER PLATE



TOP FLANGE INNER PLATES



BOTTOM FLANGE OUTER PLATE

NOTES:

1. *FOR FRAMING PLAN, SEE SHEET 20/34.*
2. *FOR GIRDER ELEVATION AND ADDITIONAL NOTES, SEE SHEET 21/34.*
3. *ALL FIELD SPLICE BOLTS SHALL BE HIGH STRENGTH 1" DIA. ASTM A325 BOLTS.*

GIRDER DETAILS - 3
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	JCS
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	23
TOTAL	34
SHEET	P.1475
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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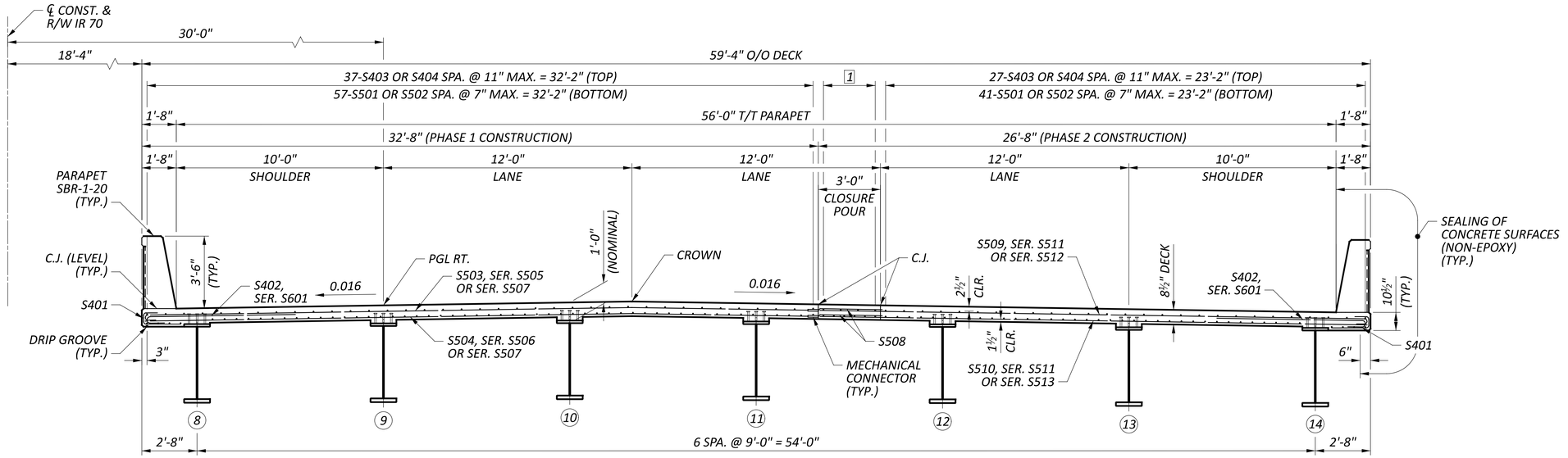

TRANSVERSE SECTION

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"

LEGEND:

[1] - *4-S403 OR S404 SPA. @ 11" MAX. = 2'-6" (TOP)*
6-S501 OR S502 SPA. @ 7" MAX. = 2'-6" (BOTTOM)

(#) - *PROPOSED GIRDER NUMBER*

NOTES:

1. *FOR DECK PLAN, SEE SHEET 25/34.*
2. *FOR PARAPET DETAILS, SEE SHEET 31/34.*
3. *FOR INTERMEDIATE CROSSFRAME DETAILS, SEE SHEET 22/34.*
4. *THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH BEAM/GIRDER HAUNCH. THE ESTIMATE ASSUMES A VARIABLE HAUNCH THICKNESS AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.*
5. *THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF BEAM/GIRDER, FROM THE SURFACE OF THE DECK TO THE TOP OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.*

TRANSVERSE SECTION
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER ACM | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 24 | TOTAL 34
SHEET P.1476 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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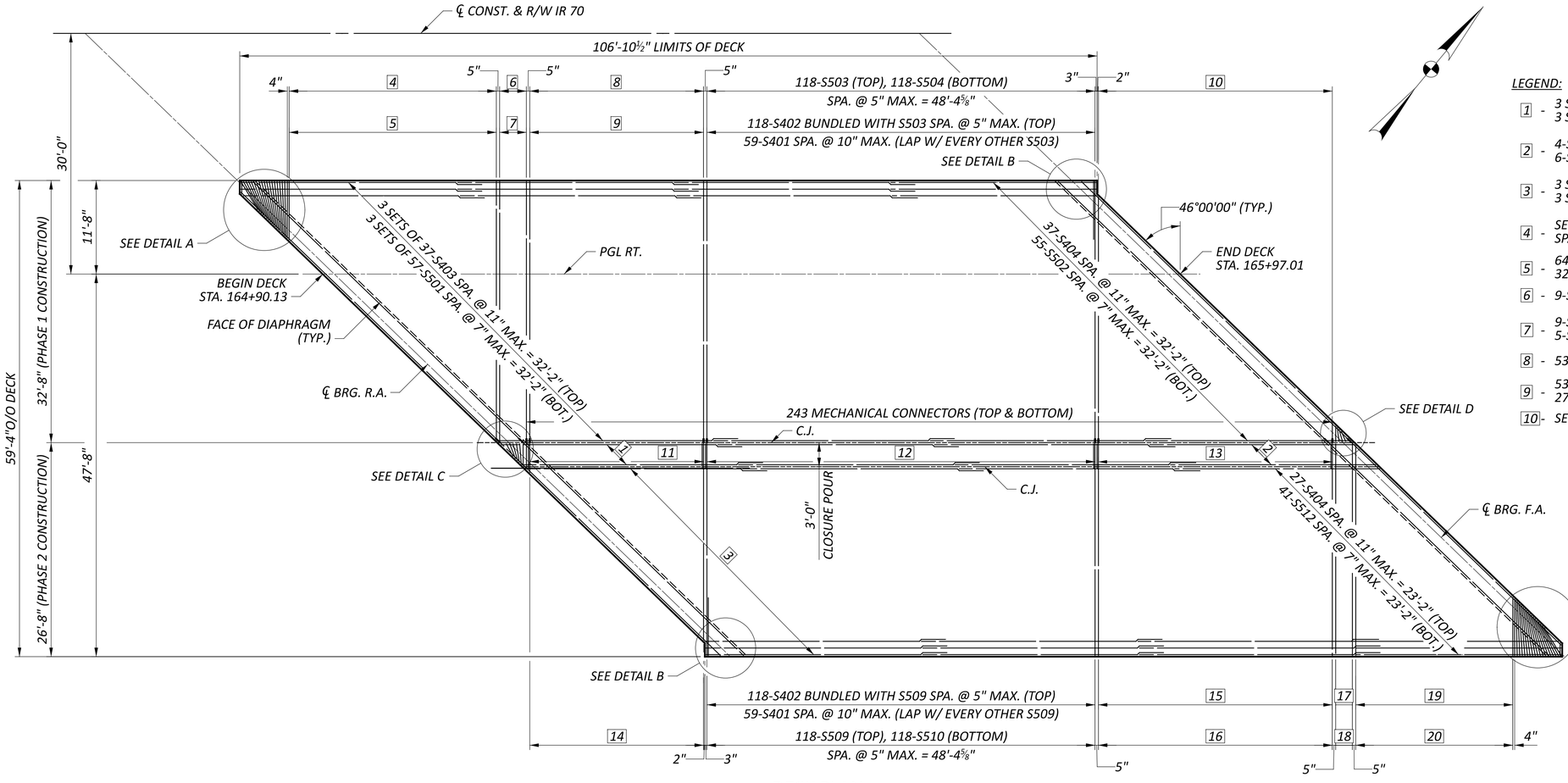


DECK PLAN

LEGEND:

1 - 3 SETS OF 4-S403 SPA. @ 11" MAX. = 2'-6" (TOP)
3 SETS OF 6-S501 SPA. @ 7" = 2'-6" (BOTTOM)

2 - 4-S404 SPA. @ 11" MAX. = 2'-6" (TOP)
6-S502 SPA. @ 7" MAX. = 2'-6" (BOTTOM)

3 - 3 SETS OF 27-S403 SPA. @ 11" MAX. = 23'-2" (TOP)
3 SETS OF 41-S501 SPA. @ 7" MAX. = 23'-2" (BOTTOM)

4 - SER. OF 63-S505 (TOP), SER. OF 63-S506 (BOTTOM)
SPA. @ 5" = 25'-10"

5 - 64-S402 BUNDLED WITH S505 SPA. @ 5" (TOP)
32-S401 SPA. @ 10" (LAP W/ EVERY OTHER S505)

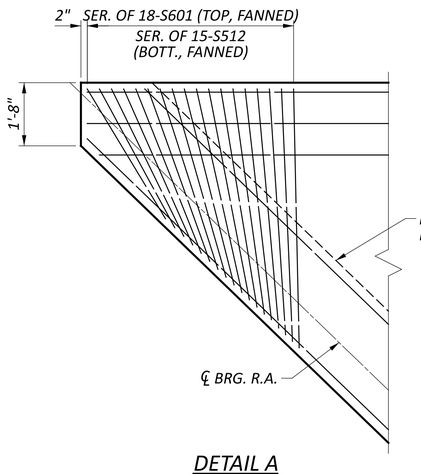
6 - 9-S503 (TOP), 9-S504 (BOTTOM) SPA. @ 5" = 3'-4"

7 - 9-S402 BUNDLED WITH S503 SPA. @ 5" (TOP)
5-S401 SPA. @ 10" (LAP W/ EVERY OTHER S503)

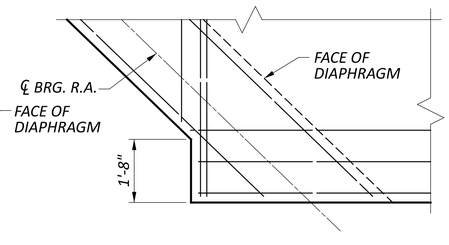
8 - 53-S503 (TOP), 53-S504 (BOTTOM) SPA. @ 5" = 21'-8"

9 - 53-S402 BUNDLED WITH S503 SPA. @ 5" (TOP)
27-S401 SPA. @ 10" (LAP W/ EVERY OTHER S503)

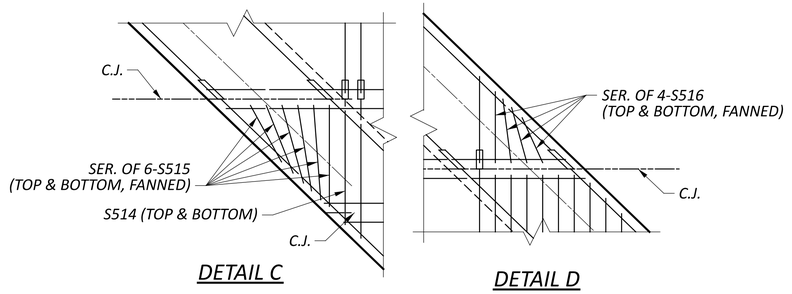
10 - SER. OF 71-S507 (TOP & BOTTOM) SPA. @ 5" = 29'-2"



DETAIL A
(NW CORNER SHOWN, SE CORNER SIMILAR)



DETAIL B
(SW CORNER SHOWN, NE CORNER SIMILAR)



DETAIL C

DETAIL D

LEGEND (CONT.):

11 - 53-S508 (TOP & BOTTOM) SPA. @ 5" = 21'-8"

12 - 118-S508 (TOP & BOTTOM) SPA. @ 5" MAX. = 48'-4⅝"

13 - 71-S508 (TOP & BOTTOM) SPA. @ 5" = 29'-2"

14 - SER. OF 53-S511 (TOP & BOTTOM) SPA. @ 5" = 21'-8"

15 - 71-S402 BUNDLED WITH S5XX SPA. @ 5" (TOP)
36-S401 SPA. @ 10" (LAP W/ EVERY OTHER S5XX)

16 - 71-S509 (TOP), 71-S510 (BOTTOM) SPA. @ 5" = 29'-2"

17 - 6-S402 BUNDLED WITH S509 SPA. @ 5" (TOP)
3-S401 SPA. @ 10" (LAP W/ EVERY OTHER S509)

18 - 6-S509 (TOP), 6-S510 (BOTTOM) SPA. @ 5" = 2'-1"

19 - 48-S402 BUNDLED WITH S509 SPA. @ 5" (TOP)
24-S401 SPA. @ 10" (LAP W/ EVERY OTHER S509)

20 - SER. OF 48-S512 (TOP), SER. OF 48-S513 (BOTTOM)
SPA. @ 5" = 19'-7"

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"

NOTES:

1. FOR PARAPET DETAILS, SEE SHEET 31/34.

DECK PLAN
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER ACM | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 25 | TOTAL 34
SHEET P.1477 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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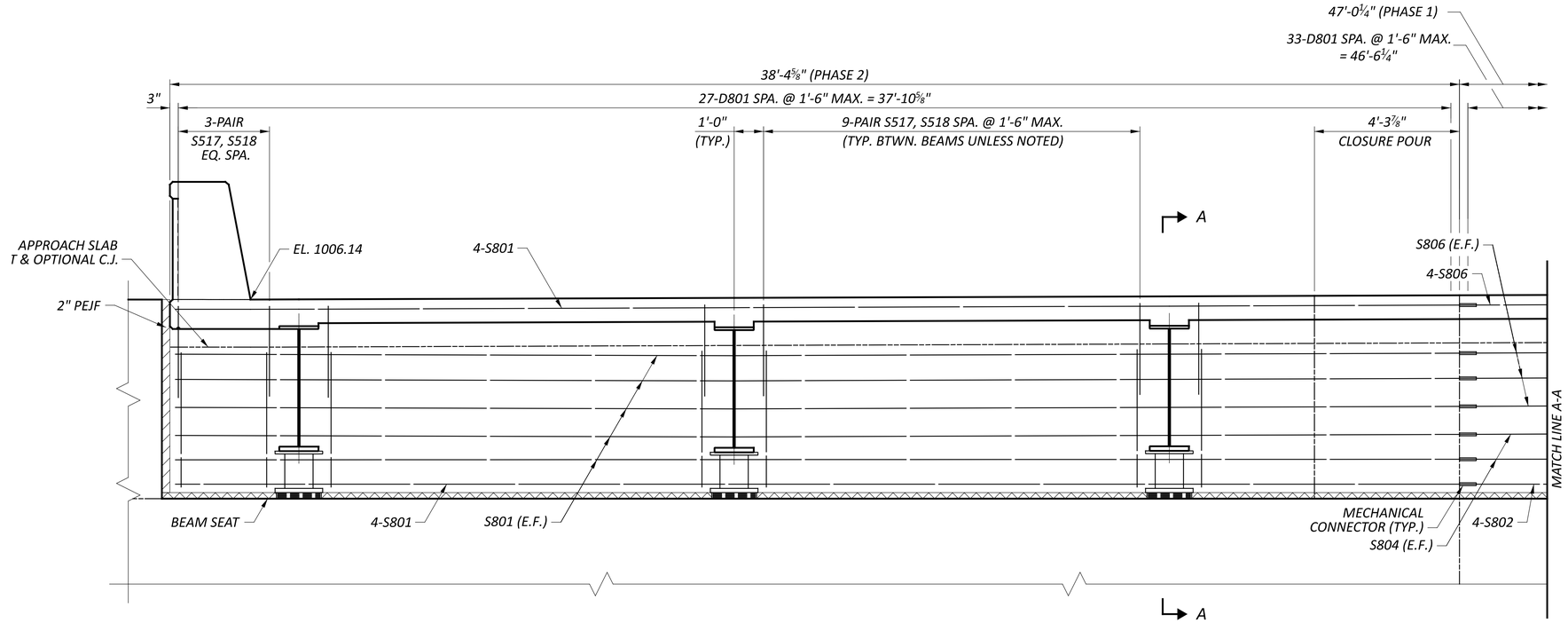
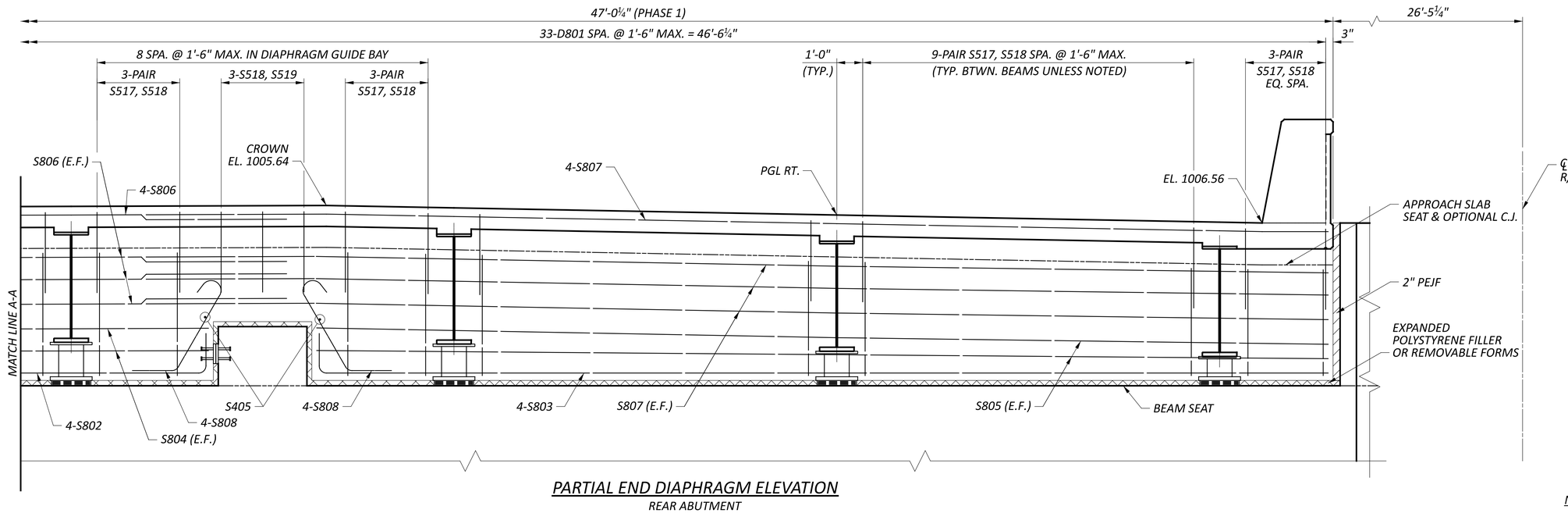


PARTIAL END DIAPHRAGM ELEVATION
REAR ABUTMENT



PARTIAL END DIAPHRAGM ELEVATION
REAR ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A, SEE SHEET 28/34.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 18/34.

SUPERSTUCTURE DETAILS - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	26
TOTAL	34
SHEET	P.1478
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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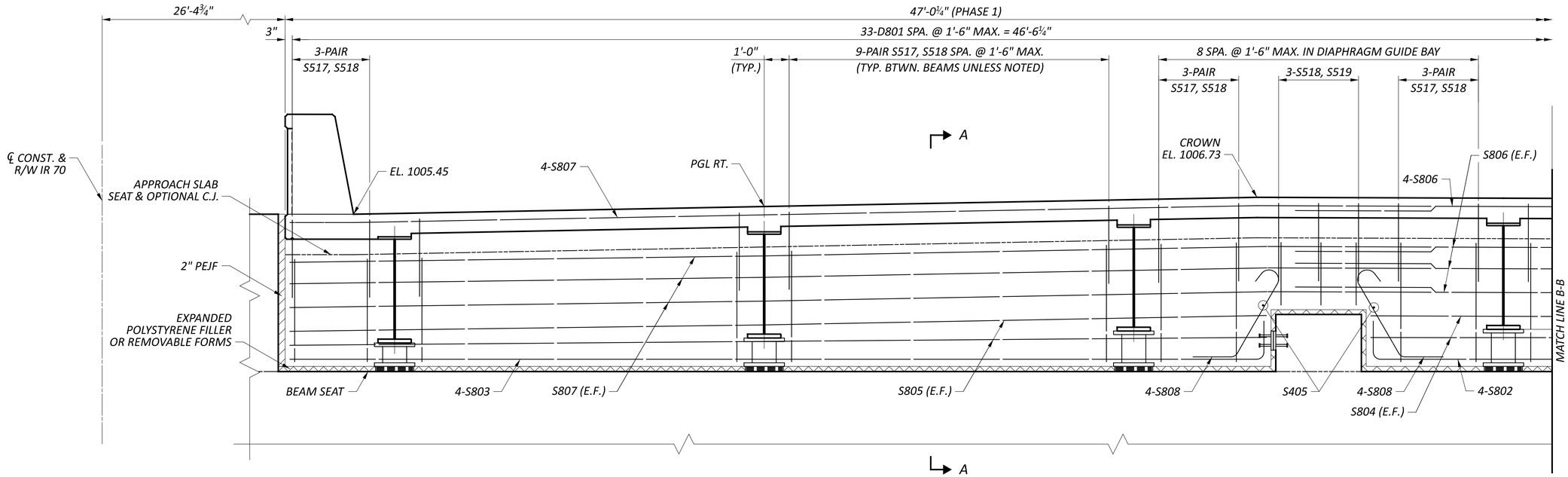
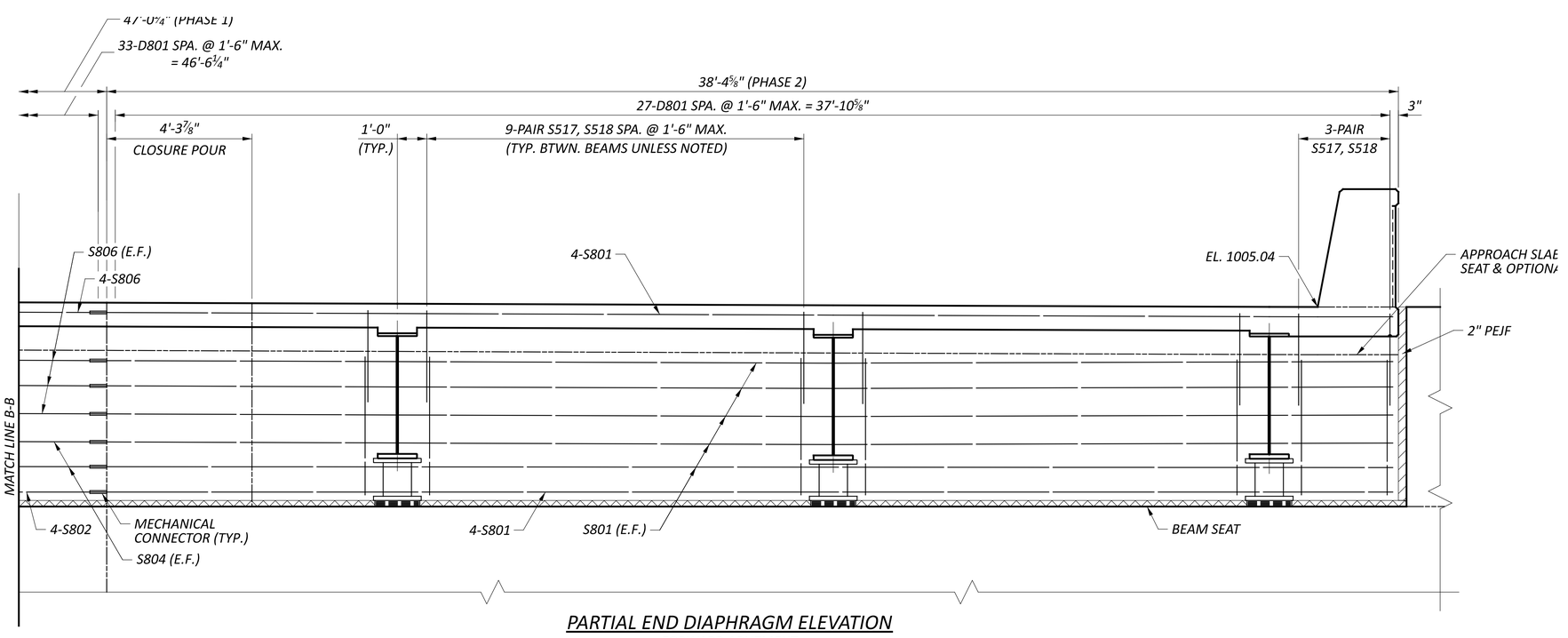


PARTIAL END DIAPHRAGM ELEVATION

FORWARD ABTMENT



PARTIAL END DIAPHRAGM ELEVATION

FORWARD ABUTMENT

MINIMUM BAR LAP	
#8	5'-4"

NOTES:

1. FOR SECTION A-A, SEE SHEET 28/34.
2. FOR DIAPHRAGM GUIDE DETAILS, SEE SHEET 18/34.

SUPERSTUCTURE DETAILS - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	27
TOTAL	34
SHEET	P.1479
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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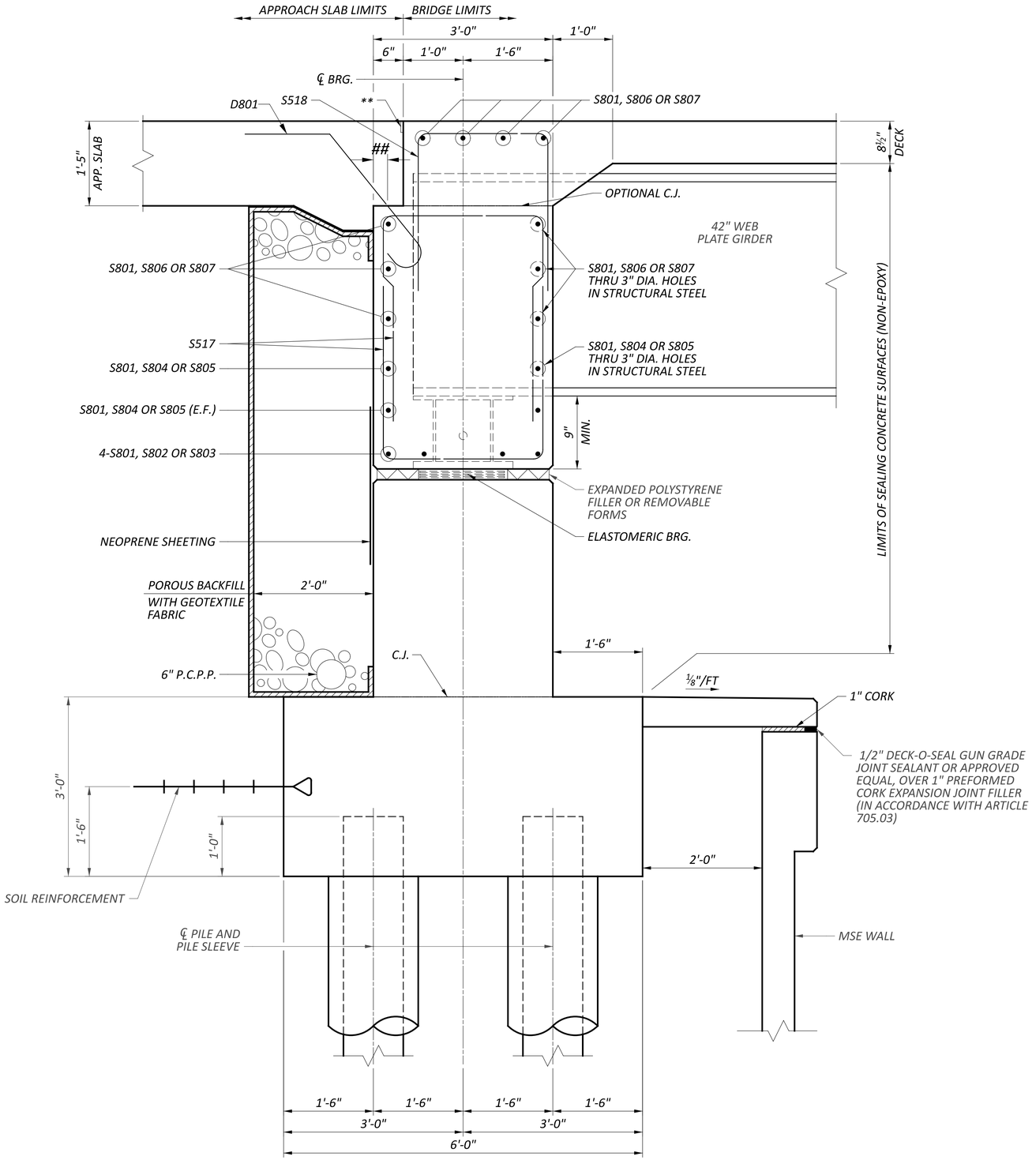

SECTION A-A

$2\frac{1}{4}" \pm \frac{1}{4}"$ CLR.

** SEE DETAIL "B" ON STANDARD DRAWING AS-1-15

NOTES:

1. FOR ABUTMENT DETAILS, SEE SHEETS 13/34 THRU 17/34.
2. ABUTMENT DIAPHRAGM CONCRETE, PHASED CONSTRUCTION: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS OF AN INDIVIDUAL PHASE AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET. PLACE CLOSURE POUR CONCRETE IN THE DIAPHRAGM AND DECK CONCURRENTLY.

SUPERSTUCTURE DETAILS - 3
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	PEG
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	28
TOTAL	34
SHEET	P.1480
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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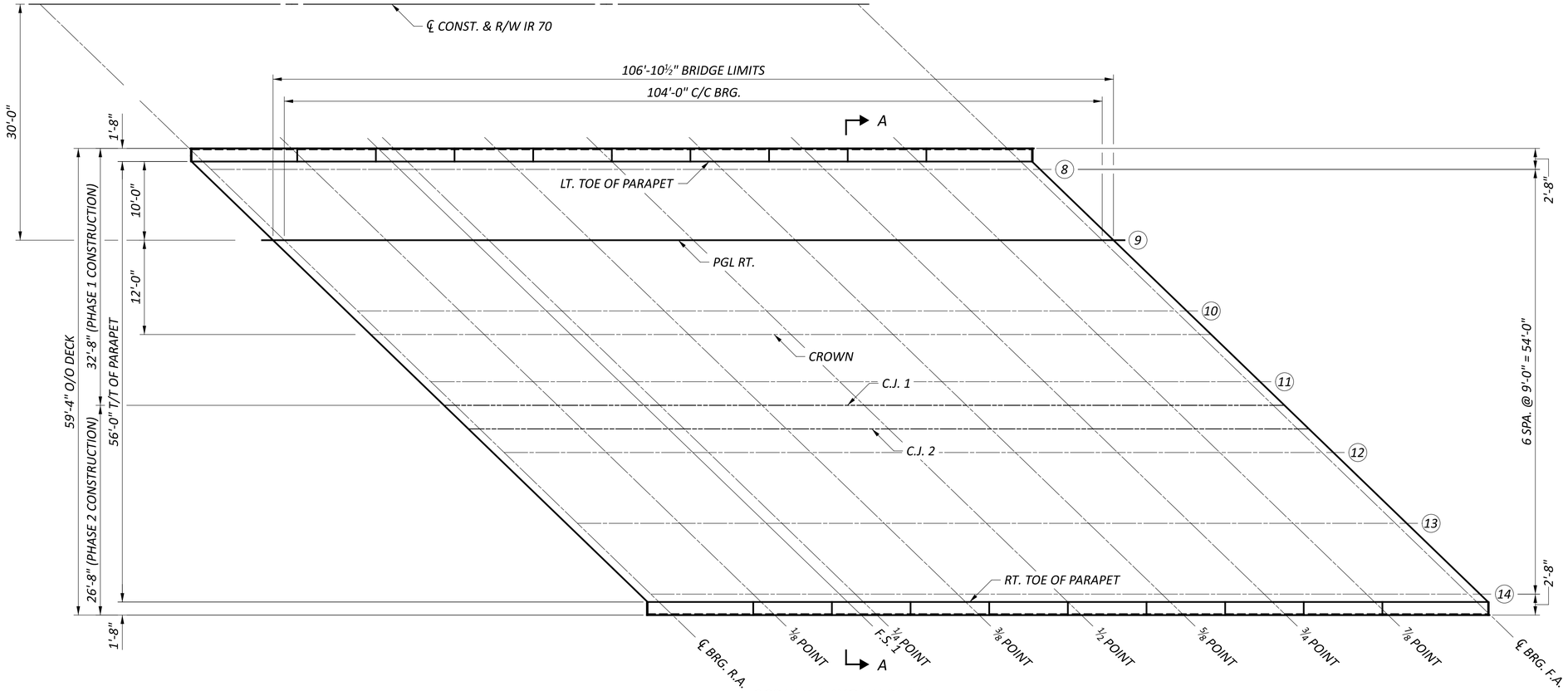
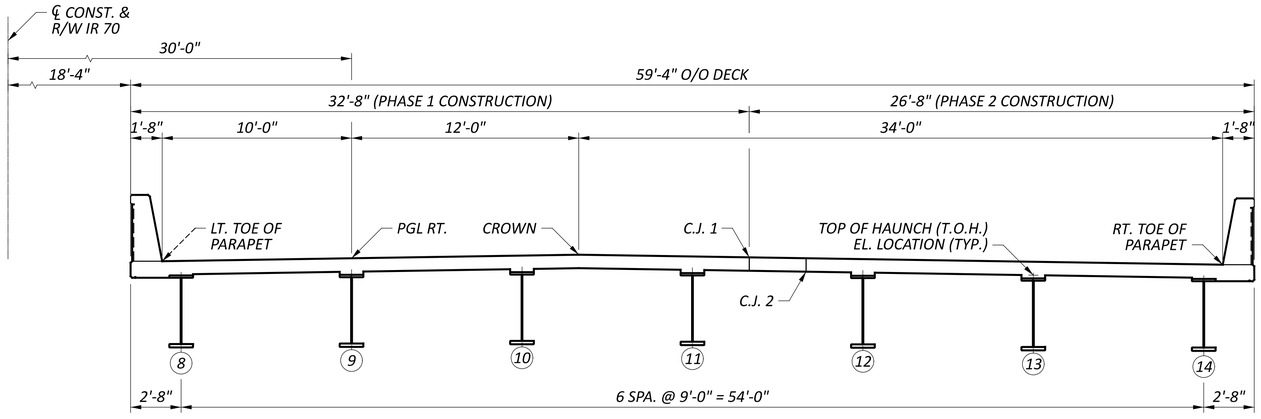


SCREED LAYOUT PLAN



SECTION A-A

LEGEND

(#) - PROPOSED GIRDER NUMBER

NOTES:

1. FOR SCREED ELEVATIONS, SEE SHEET 30/34.

SCREED DETAILS - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN	4502915
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	DAS
CHECKER	ABD
REVIEWER	CLB 4/28/25
PROJECT ID	96808
SUBSET	29
TOTAL	34
SHEET	P.1481
TOTAL	P.1556

FAI/LIC-70-0.00/0.00

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HAUNCH AND SCREED ELEVATIONS TABLE

SCREED LINE \ DESCRIPTION		℄ BRG. R.A.	1/8 POINT	F.S. 1	1/4 POINT	3/8 POINT	1/2 POINT	5/8 POINT	3/4 POINT	7/8 POINT	℄ BRG. F.A.
SCREED ELEVATIONS											
LT. TOE OF PARAPET	STATION	164+81.21	164+94.21	165+05.21	165+07.21	165+20.21	165+33.21	165+46.21	165+59.21	165+72.21	165+85.21
	F.D.S. ELEV.	1005.04	1005.18	1005.30	1005.32	1005.45	1005.59	1005.73	1005.87	1006.00	1006.14
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1005.04	1005.32	1005.54	1005.57	1005.78	1005.94	1006.05	1006.12	1006.14	1006.14
PGL RT.	STATION	164+91.57	165+04.57	165+15.57	165+17.57	165+30.57	165+43.57	165+56.57	165+69.57	165+82.57	165+95.57
	F.D.S. ELEV.	1005.31	1005.45	1005.57	1005.59	1005.72	1005.86	1006.00	1006.13	1006.27	1006.41
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1005.31	1005.59	1005.80	1005.84	1006.05	1006.21	1006.32	1006.39	1006.41	1006.41
CROWN	STATION	165+03.99	165+16.99	165+27.99	165+29.99	165+42.99	165+55.99	165+68.99	165+81.99	165+94.99	166+07.99
	F.D.S. ELEV.	1005.64	1005.77	1005.89	1005.91	1006.05	1006.18	1006.32	1006.46	1006.59	1006.73
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1005.64	1005.91	1006.13	1006.16	1006.37	1006.53	1006.64	1006.71	1006.74	1006.73
C.J. 1	STATION	165+13.31	165+26.31	165+37.31	165+39.31	165+52.31	165+65.31	165+78.31	165+91.31	166+04.31	166+17.31
	F.D.S. ELEV.	1005.59	1005.73	1005.84	1005.86	1006.00	1006.14	1006.27	1006.41	1006.55	1006.69
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1005.59	1005.87	1006.08	1006.12	1006.32	1006.49	1006.60	1006.67	1006.69	1006.69
C.J. 2	STATION	165+16.42	165+29.42	165+40.42	165+42.42	165+55.42	165+68.42	165+81.42	165+94.42	166+07.42	166+20.42
	F.D.S. ELEV.	1005.57	1005.71	1005.83	1005.85	1005.99	1006.12	1006.26	1006.40	1006.53	1006.67
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1005.57	1005.85	1006.07	1006.10	1006.31	1006.47	1006.58	1006.65	1006.68	1006.67
RT. TOE OF PARAPET	STATION	165+39.20	165+52.20	165+63.20	165+65.20	165+78.20	165+91.20	166+04.20	166+17.20	166+30.20	166+43.20
	F.D.S. ELEV.	1005.46	1005.60	1005.72	1005.74	1005.87	1006.01	1006.15	1006.28	1006.42	1006.56
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	SCREED ELEV.	1005.46	1005.74	1005.95	1005.99	1006.20	1006.36	1006.47	1006.54	1006.56	1006.56
TOP OF HAUNCH ELEVATIONS											
BEAM 8	STATION	164+82.25	164+95.25	165+06.25	165+08.25	165+21.25	165+34.25	165+47.25	165+60.25	165+73.25	165+86.25
	F.D.S. ELEV.	1005.07	1005.21	1005.32	1005.34	1005.48	1005.62	1005.76	1005.89	1006.03	1006.17
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.36	1004.64	1004.85	1004.89	1005.10	1005.26	1005.37	1005.44	1005.46	1005.46
BEAM 9	STATION	164+91.57	165+04.57	165+15.57	165+17.57	165+30.57	165+43.57	165+56.57	165+69.57	165+82.57	165+95.57
	F.D.S. ELEV.	1005.31	1005.45	1005.57	1005.59	1005.72	1005.86	1006.00	1006.13	1006.27	1006.41
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.60	1004.88	1005.10	1005.13	1005.34	1005.50	1005.61	1005.68	1005.70	1005.70
BEAM 10	STATION	165+00.89	165+13.89	165+24.89	165+26.89	165+39.89	165+52.89	165+65.89	165+78.89	165+91.89	166+04.89
	F.D.S. ELEV.	1005.56	1005.69	1005.81	1005.83	1005.97	1006.10	1006.24	1006.38	1006.51	1006.65
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.85	1005.13	1005.34	1005.37	1005.58	1005.74	1005.86	1005.92	1005.95	1005.94
BEAM 11	STATION	165+10.21	165+23.21	165+34.21	165+36.21	165+49.21	165+62.21	165+75.21	165+88.21	166+01.21	166+14.21
	F.D.S. ELEV.	1005.61	1005.74	1005.86	1005.88	1006.02	1006.15	1006.29	1006.43	1006.56	1006.70
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.90	1005.18	1005.39	1005.43	1005.63	1005.79	1005.91	1005.97	1006.00	1005.99
BEAM 12	STATION	165+19.53	165+32.53	165+43.53	165+45.53	165+58.53	165+71.53	165+84.53	165+97.53	166+10.53	166+23.53
	F.D.S. ELEV.	1005.56	1005.70	1005.81	1005.83	1005.97	1006.11	1006.24	1006.38	1006.52	1006.66
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.85	1005.13	1005.34	1005.38	1005.59	1005.75	1005.86	1005.93	1005.95	1005.95
BEAM 13	STATION	165+28.84	165+41.84	165+52.84	165+54.84	165+67.84	165+80.84	165+93.84	166+06.84	166+19.84	166+32.84
	F.D.S. ELEV.	1005.51	1005.65	1005.77	1005.79	1005.92	1006.06	1006.20	1006.34	1006.47	1006.61
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.81	1005.08	1005.30	1005.33	1005.54	1005.70	1005.81	1005.88	1005.91	1005.90
BEAM 14	STATION	165+38.16	165+51.16	165+62.16	165+64.16	165+77.16	165+90.16	166+03.16	166+16.16	166+29.16	166+42.16
	F.D.S. ELEV.	1005.47	1005.60	1005.72	1005.74	1005.88	1006.02	1006.15	1006.29	1006.43	1006.56
	DEFLECTION	0.00	0.14	0.24	0.25	0.32	0.35	0.32	0.25	0.14	0.00
	T.O.H. ELEV.	1004.76	1005.04	1005.25	1005.29	1005.49	1005.66	1005.77	1005.84	1005.86	1005.86

NOTES:

1. *SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
2. *TOP OF HAUNCH (T.O.H.) ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
3. *FINAL DECK SURFACE (F.D.S.) ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.*

SCREED DETAILS - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
DAS	ABD

REVIEWER
CLB 4/28/25

PROJECT ID
96808

SUBSET	TOTAL
30	34

SHEET	TOTAL
P.1482	P.1556

FAI/LIC-70-0.00/0.00

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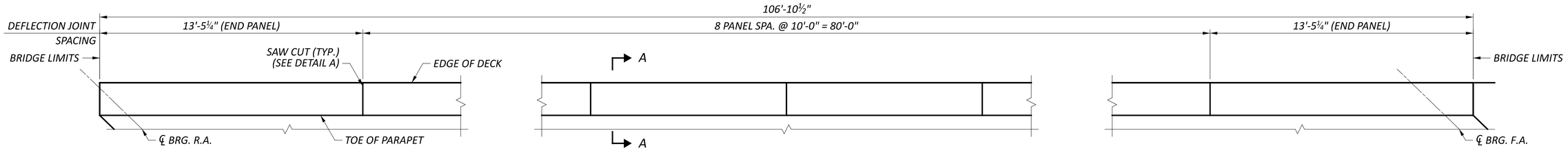
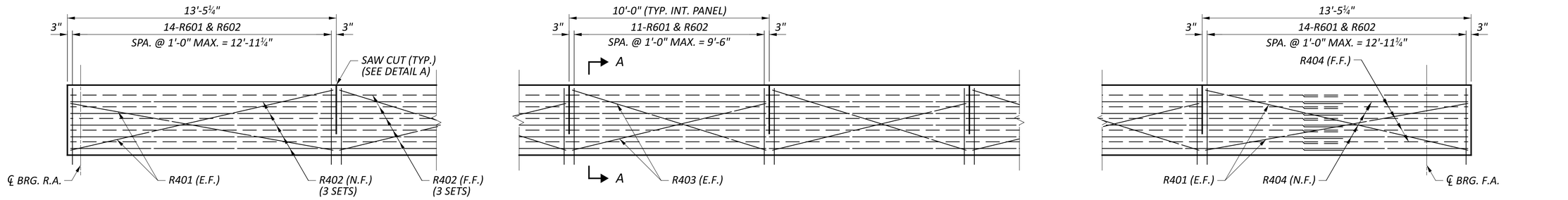


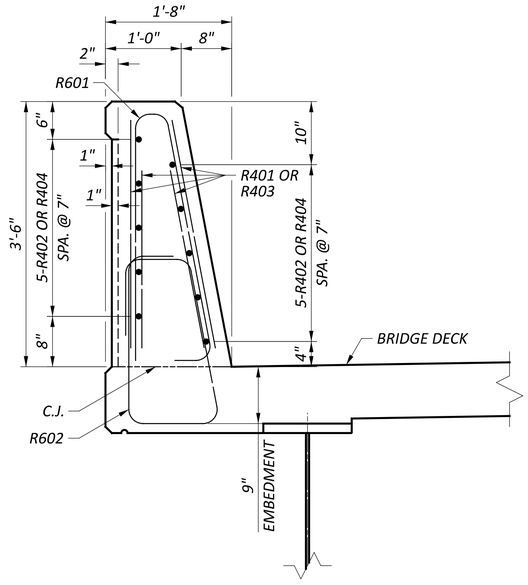
PARAPET PLAN

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRICAL)

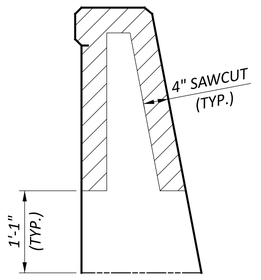


PARAPET ELEVATION

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



SECTION A-A



DETAIL A

SECTION THROUGH SAWCUT
SAWCUT PERIMETER = 6'-2"

MINIMUM BAR LAP	
#4 GFRP	1'-1"

NOTES:

1. FOR ADDITIONAL PARAPET DETAILS, SEE STANDARD DRAWING SBR-1-20.

PARAPET DETAILS - 1
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY STRUCTUREPOINT
DESIGNER ACM | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 31 | TOTAL 34
SHEET P.1483 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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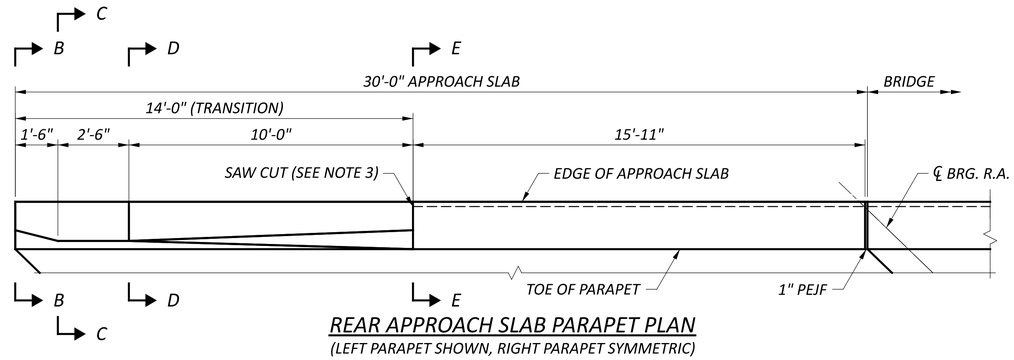
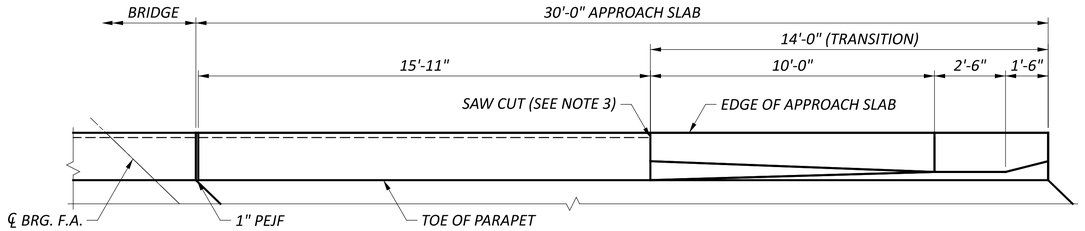


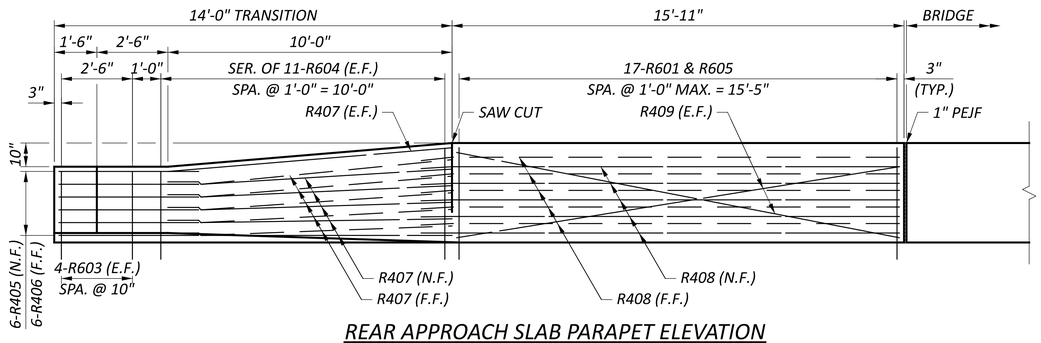
REAR APPROACH SLAB PARAPET PLAN

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



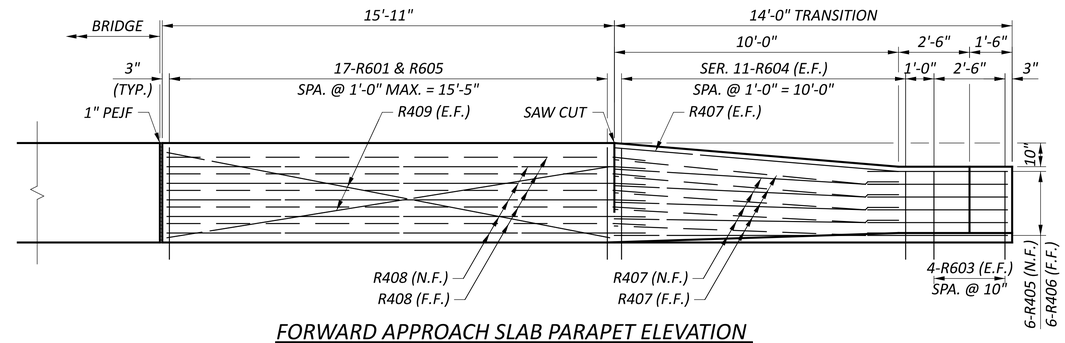
FORWARD APPROACH SLAB PARAPET PLAN

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



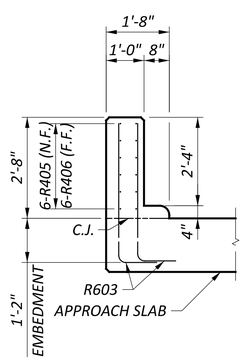
REAR APPROACH SLAB PARAPET ELEVATION

(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)

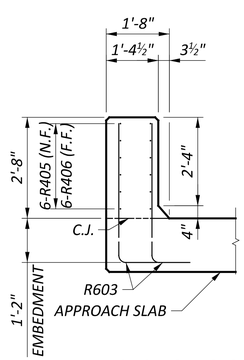


FORWARD APPROACH SLAB PARAPET ELEVATION

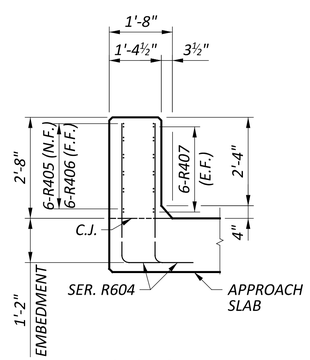
(LEFT PARAPET SHOWN, RIGHT PARAPET SYMMETRIC)



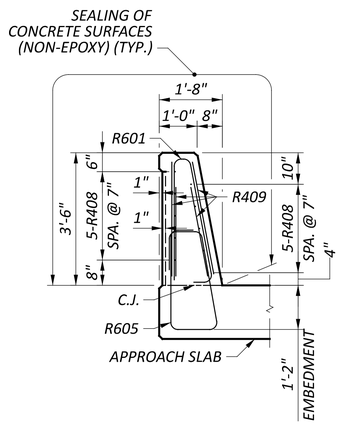
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

MINIMUM BAR LAP	
#4 GFRP	1'-1"

NOTES:

1. *FOR ADDITIONAL PARAPET DETAILS, SEE STANDARD DRAWING SBR-1-20.*
2. *FOR APPROACH SLAB PLAN, SEE SHEET 33/34.*
3. *FOR DETAIL A, SEE SHEET 31/34.*

PARAPET DETAILS - 2
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY: STRUCTUREPOINT INC.
DESIGNER ACM | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 32 | TOTAL 34
SHEET P.1484 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:57:29 PM USER: brieder
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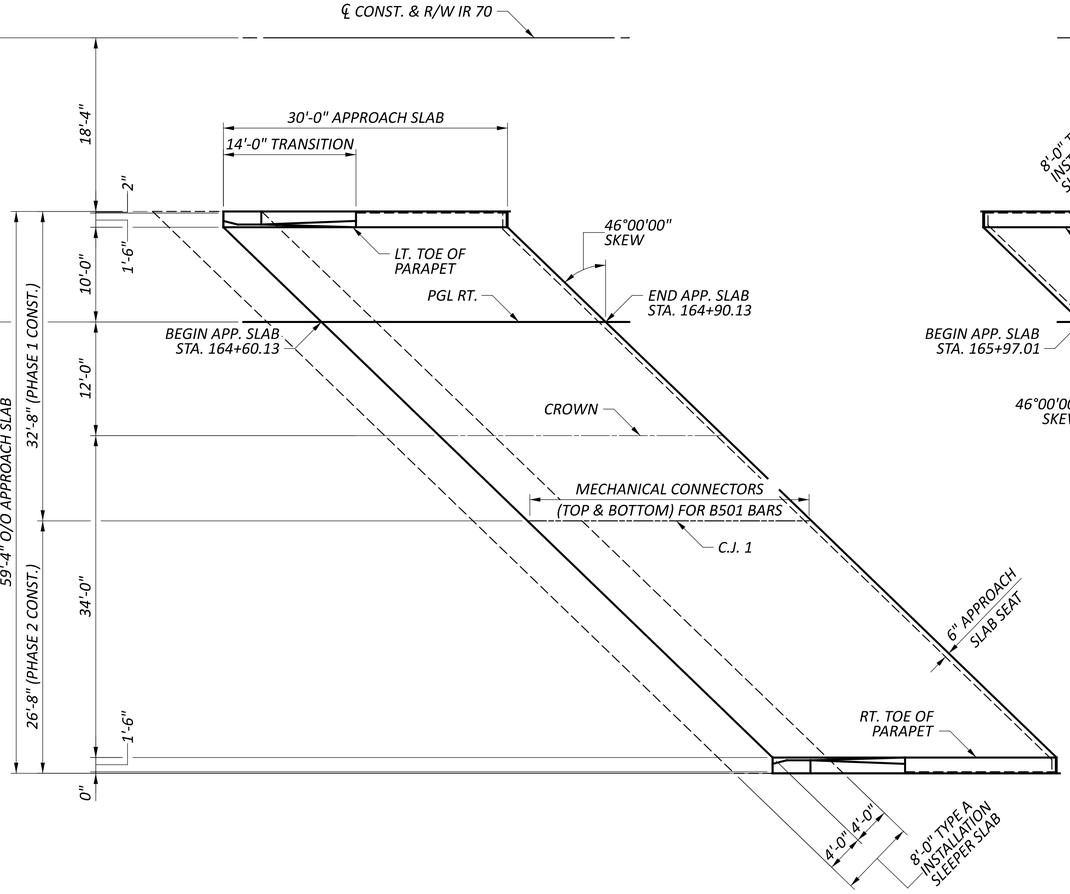
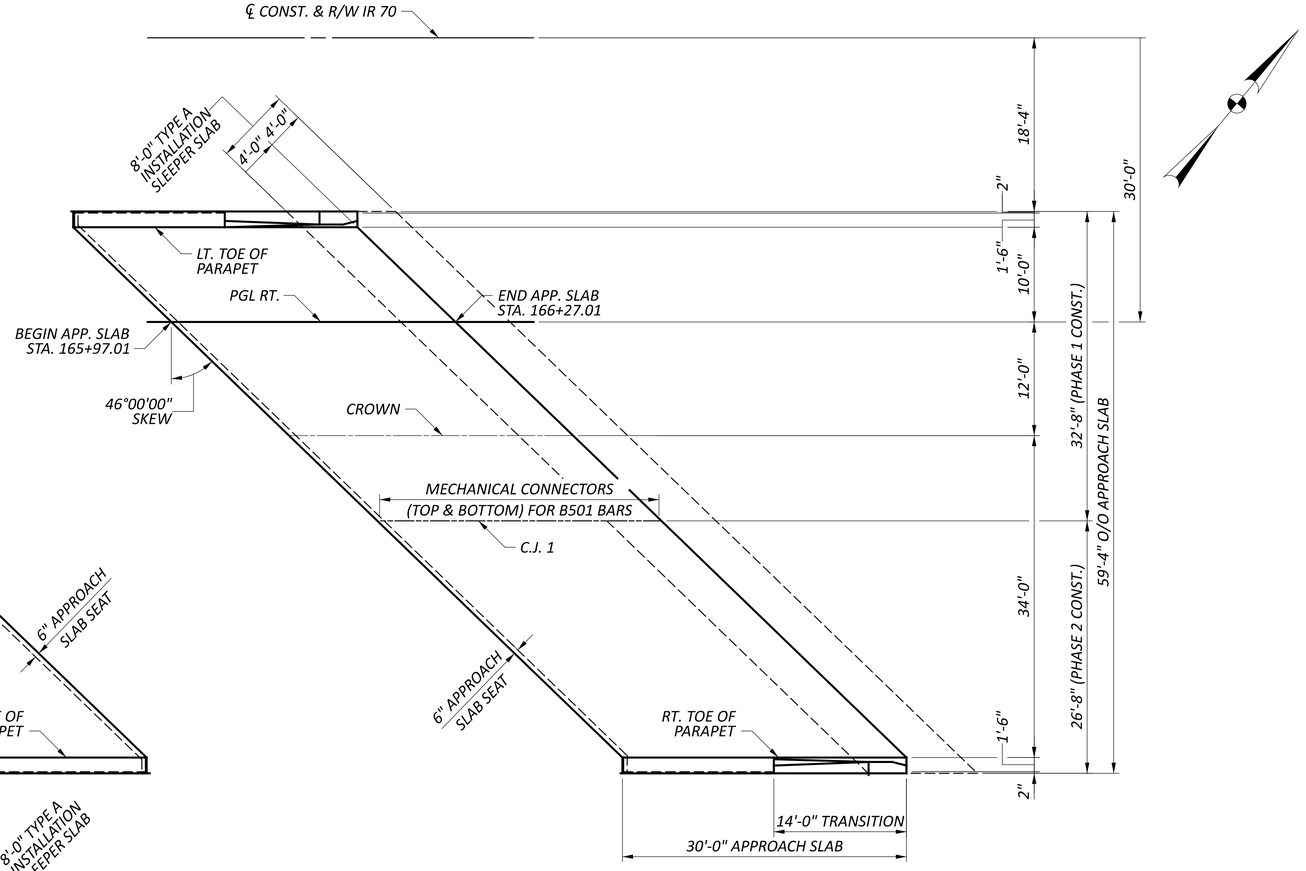


PLAN
REAR APPROACH SLAB



PLAN
FORWARD APPROACH SLAB

APPROACH SLAB ELEVATIONS

LOCATION \ DESCRIPTION		BEGIN REAR SLEEPER SLAB	BEGIN REAR APPROACH SLAB	END REAR SLEEPER SLAB	END REAR APPROACH SLAB	STRUCTURE LIMITS	BEGIN FWD. APPROACH SLAB	BEGIN FWD. SLEEPER SLAB	END FWD. APPROACH SLAB	END FWD. SLEEPER SLAB
LT. TOE OF PARAPET	STATION	164+44.01	164+49.77	164+55.53	164+79.77		165+86.65	166+10.89	166+16.65	166+22.41
	ELEVATION	1003.24	1004.71	1003.36	1005.03		1006.15	1004.99	1006.47	1005.11
PGL RT.	STATION	164+54.37	164+60.13	164+65.88	164+90.13		165+97.01	166+21.25	166+27.01	166+32.76
	ELEVATION	1003.50	1004.98	1003.63	1005.30		1006.42	1005.26	1006.74	1005.38
CROWN	STATION	164+66.79	164+72.55	164+78.31	165+02.55		166+09.43	166+33.67	166+39.43	166+45.19
	ELEVATION	1003.83	1005.30	1003.95	1005.62		1006.75	1005.59	1007.06	1005.71
C.J. 1	STATION	164+76.11	164+81.87	164+87.63	165+11.87		166+18.75	166+42.99	166+48.75	166+54.51
	ELEVATION	1003.78	1005.26	1003.90	1005.57		1006.70	1005.54	1007.02	1005.66
RT. TOE OF PARAPET	STATION	165+02.00	165+07.76	165+13.52	165+37.76		166+44.64	166+68.88	166+74.64	166+80.40
	ELEVATION	1003.65	1005.13	1003.78	1005.45		1006.57	1005.41	1006.89	1005.53

NOTES:

1. *FOR STANDARD APPROACH SLAB DETAILS, SEE ODOT STANDARD BRIDGE DRAWING AS-1-15.*
2. *FOR STANDARD APPROACH SLAB TYPE A INSTALLATION DETAILS, SEE ODOT STANDARD BRIDGE DRAWING AS-2-15.*
3. *FOR APPROACH SLAB PARAPET DETAILS, SEE SHEET 32/34.*
4. *APPROACH SLABS SHALL NOT BE POURED WITH BRIDGE DECK.*
5. *ELEVATIONS GIVEN AT TOP OF APPROACH SLAB AND SLEEPER SLAB.*

APPROACH SLAB DETAILS
BRIDGE NO. LIC-00070-00740 R
IR 70 OVER PALMER RD.

SFN 4502915
DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER DAS | CHECKER ABD
REVIEWER CLB 4/28/25
PROJECT ID 96808
SUBSET 33 | TOTAL 34
SHEET P.1485 | TOTAL P.1556

FAI/LIC-70-0.00/0.00

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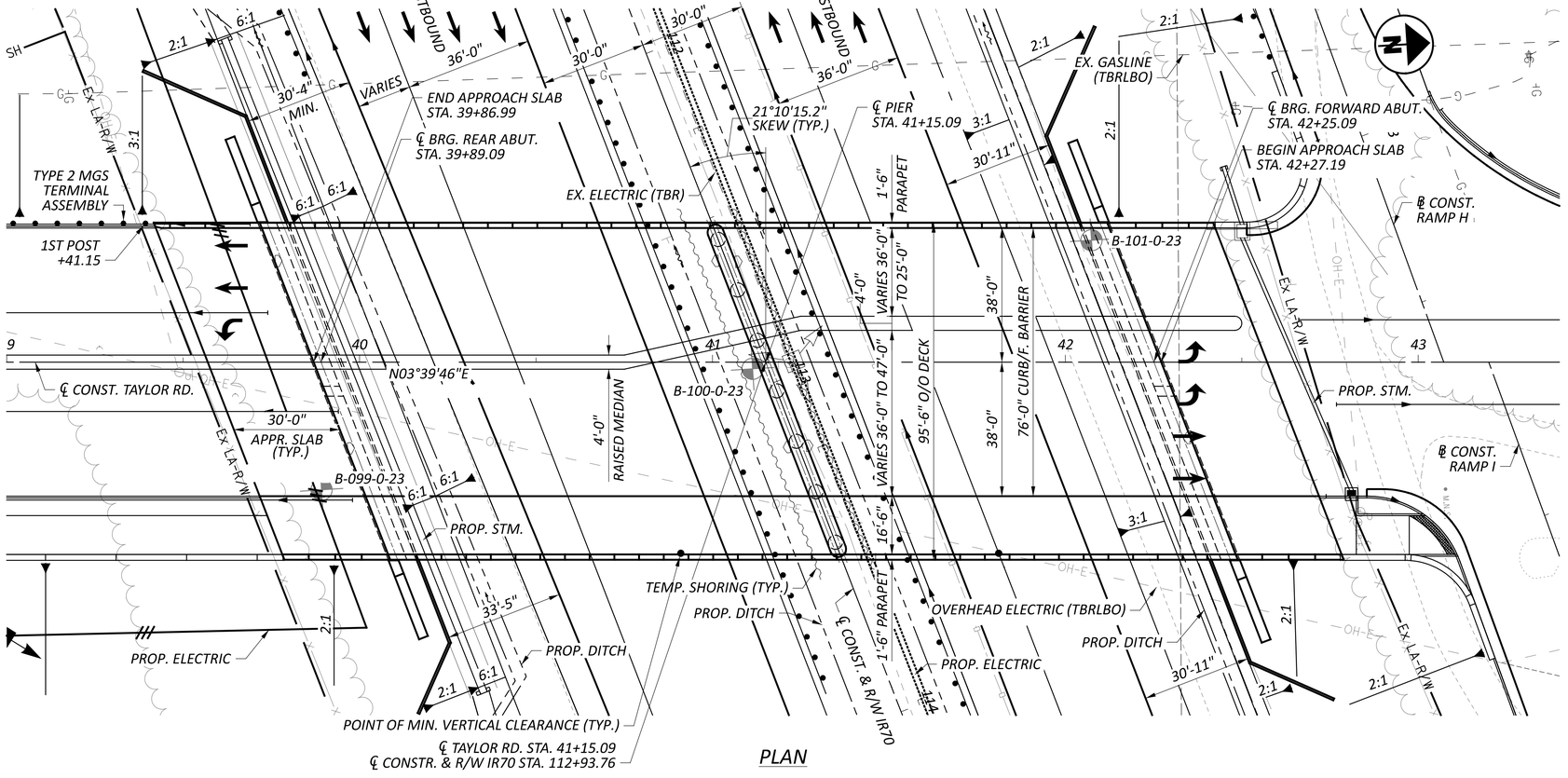
MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	R.A.	F.A.	TOTAL				A	B	C	D	E	R	INC
ABUTMENT													
SUB-TOTAL													

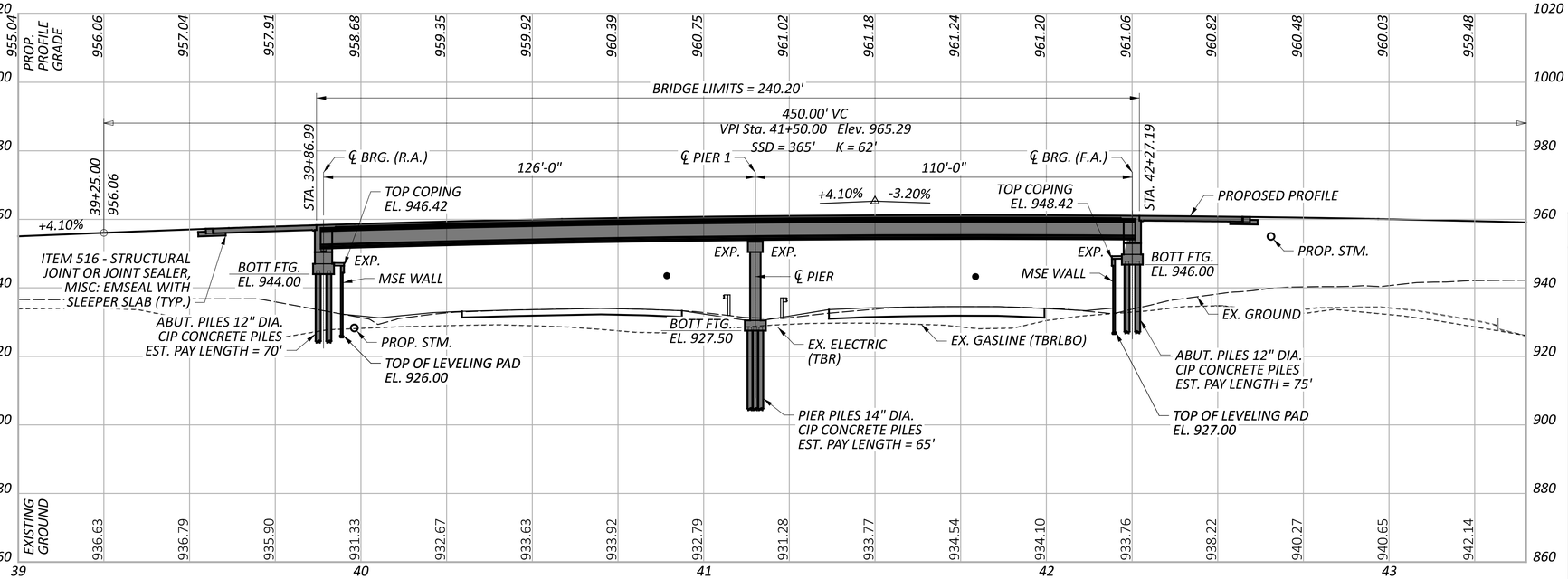
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPETS (EPOXY COATED STEEL REINFORCEMENT - ECSR)											
SUB-TOTAL											

MARK	NUMBER	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPETS (GLASS FIBER REINFORCED POLYMER REINFORCEMENT - GFRP)											
SUB-TOTAL											

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
DECK											



PLAN



PROFILE ALONG ℄ CONST. TAYLOR RD.

BENCHMARK DATA

C.P. 210 STA.	83+89.09,	ELEV.	893.59,	OFFSET	128.57', LT
C.P. 211 STA.	129+97.67,	ELEV.	961.36,	OFFSET	128.33', LT

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.0020

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2030 ADT = 18,460 2030 ADTT = 554
2050 ADT = 24,650 2050 ADTT = 740
DIRECTIONAL DISTRIBUTION = 53%

LEGEND

● - 17'-0" REQUIRED & PROPOSED MINIMUM VERTICAL CLEARANCE (17'-11¼" ACTUAL MINIMUM VERTICAL CLEARANCE)
TBR - TO BE REMOVED
TBRO - TO BE RELOCATED BY OTHERS
TBRLBO - TO BE RELOCATED BY OTHERS

PROPOSED STRUCTURE

TYPE: TWO-SPAN PRESTRESSED CONCRETE I-BEAM WITH COMPOSITE REINFORCED CONCRETE DECK ON SEMI-INTEGRAL ABUTMENT BEHIND MSE WALLS AND CAP AND COLUMN PIER

SPANS: 126'-0", 110'-0" (℄ BRG./℄ PIER, ℄ PIER/℄ BRG.)
ROADWAY: 76'-0" F/F BARRIER W/ 11'-0" SHARED USE PATH
VEHICULAR LIVE LOAD: HL93
FUTURE WEARING SURFACE: 0.06 KSF
SKEW: 21°10'15.2" R.F.
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: 30'-0" LONG, 17" THICK (AS-1-15, AS-2-15)
ALIGNMENT: TANGENT
CROWN: 0.016 FT/FT
DECK AREA: 23,418 SF

COORDINATES: LATITUDE 39°56'15.09"
LONGITUDE -82°46'20.02"

HORIZONTAL SCALE IN FEET
0 5 10 20

SITE PLAN
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	JCS
CHECKER	BMK
REVIEWER	CLB 04/28/25
PROJECT ID	96808
SUBSET	1
TOTAL	43
SHEET	P.1487
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
PSID-1-13	REVISED	01-15-21
SICD-2-14	REVISED	01-15-21

AND THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

N/A

DESIGN SPECIFICATIONS:

THE PROPOSED WORK CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.00 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN LOADING:

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE (FWS) OF 0.060 KSF

DESIGN DATA:

CONCRETE CLASS QC2 WITH QC/QA - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 WITH QC/QA - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI (DECK, PARAPET, SUBSTRUCTURES)

GFRP REINFORCEMENT (PARAPET)

STEEL CIP PILES - ASTM A252 GRADE 3 - YIELD STRENGTH 45 KSI

CONCRETE FOR PRESTRESSED BEAMS:
COMPRESSIVE STRENGTH (FINAL) - 8.0 KSI
COMPRESSIVE STRENGTH (INITIAL) - 6.0 KSI

WELDED WIRE FABRIC:
YIELD STRENGTH - 70 KSI

PRESTRESSING STRAND:
AREA = 0.217 SQ. IN.
ULTIMATE STRENGTH = 270 KSI
INITIAL STRESS = 202.5 KSI (LOW RELAXATION STRANDS)

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

SURFACE SMOOTHNESS FOR BRIDGES AND APPROACHES:

AT THE COMPLETION OF WORK FOR ALL PHASES OF CONSTRUCTION AND PRIOR TO OPENING THE BRIDGE TO TRAFFIC, THE CONTRACTOR SHALL PERFORM THE FOLLOWING AS PER PROPOSAL NOTE 555:

1. CLEAN, SWEEP, AND PREPARE THE FINAL DECK AND FINAL ROADWAY SURFACE.
2. MEASURE, GRIND, AND RE-MEASURE THE BRIDGE AND/OR ROADWAY AS NECESSARY.
3. GROOVE THE BRIDGE DECK.

PILE DRIVING CONSTRAINTS:

PRIOR TO DRIVING ABUTMENT PILES TO THE ULTIMATE BEARING VALUE (UBV), CONSTRUCT THE MSE WALL AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENT UP TO THE BOTTOM OF THE FOOTING FOR A MINIMUM DISTANCE OF 200 FEET BEHIND EACH ABUTMENT. THE CONTRACTOR MAY PRE-DRIVE ABUTMENT PILES BEFORE CONSTRUCTING MSE WALLS. PREDRIVING CONSISTS OF INSTALLING THE ABUTMENT PILES INTO THE SOIL ONLY AS FAR AS NECESSARY SO THAT THE PILE WILL REMAIN VERTICAL DURING MSE WALL CONSTRUCTION. IF PRE-DRIVING PILES, INSTALL PILE SLEEVES AROUND PILES BEFORE CONSTRUCTING THE MSE WALL. PROVIDE AT LEAST 3-FT OF PILE ABOVE THE TOP OF THE PILE SLEEVE TO MEET THE REQUIREMENTS OF C&MS 507.09 REGARDING SPLICES. DO NOT DRIVE ABUTMENT PILES TO THE (UBV) UNTIL AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND A 7 CALENDAR DAY WAITING PERIOD HAS ELAPSED. THE ENGINEER MAY ADJUST THE LENGTH OF THE WAITING PERIOD BASED ON SETTLEMENT PLATFORM READINGS. AFTER THE SPECIFIED WAITING PERIOD HAS ELAPSED, DRIVE ABUTMENT PILES TO THE UBV. IN ORDER TO REMOVE ANY NEGATIVE SKIN FRICTION THAT HAS DEVELOPED DURING THE WAITING PERIOD, DRIVE EACH ABUTMENT PILE A DISTANCE OF AT LEAST 0.5 INCH.

IF NOT PRE-DRIVING ABUTMENT PILES, INSTALL THE ABUTMENT PILES THROUGH PILE SLEEVES AFTER THE ABOVE REQUIRED MSE WALL AND EMBANKMENT HAVE BEEN CONSTRUCTED AND THE SPECIFIED WAITING PERIOD HAS ELAPSED.

PILES DESIGN LOADS (ULTIMATE BEARING VALUE):

THE ULTIMATE BEARING VALUE IS 307.1 KIPS PER PILE FOR THE ABUTMENT PILES. THE ULTIMATE BEARING VALUE IS 435.7 KIPS PER PILE FOR THE PIER PILES.

REAR ABUTMENT PILES:
12" DIAMETER CIP REINFORCED CONCRETE PILES 75 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING, AS PER PLAN ITEM
1 RESTRIKE, AS PER PLAN ITEM

PIER PILES:
14" DIAMETER CIP REINFORCED CONCRTETE PILES 70 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEM

FORWARD ABUTMENT PILES:
12" DIAMETER CIP REINFORCED CONCRETE PILES 80 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING, AS PER PLAN ITEM
1 RESTRIKE, AS PER PLAN ITEM

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF $\frac{7}{16}$ INCH FOR THE 12" CAST-IN PLACE REINFORCED CONCRETE PILES AND $\frac{5}{16}$ INCH FOR THE 14" CAST-IN-PLCE REINFORCED CONCRETE PILES.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP:

THE ULTIMATE BEARING VALUE IS 307.1 KIPS PER PILE FOR THE ABUTMENT PILES. PART OF THE UBV WILL BE ACHIEVED THROUGH PILE/SOIL SETUP, WHICH IS A TIME DEPENDENT INCREASE IN RESISTANCE THAT OCCURS IN SOME SOILS.

NOTIFY THE ENGINEER AT LEAST 5 DAYS BEFORE DRIVING PILES SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

AT EACH ABUTMENT, DRIVE THE FIRST TWO PILES TO THE FULL ESTIMATED LENGTH OF 70 FEET (REAR ABUTMENT) AND 75 FEET (FORWARD ABUTMENT). PERFORM DYNAMIC LOAD TESTING ON BOTH PILES WHILE DRIVING. IF THE DYNAMIC LOAD TESTING DURING THE INITIAL DRIVING (BEFORE THE WAITING PERIOD) INDICATES A PILE HAS ACHIEVED THE REQUIRED UBV PRIOR TO DRIVING THE FULL ESTIMATED LENGTH, STOP DRIVING AND NOTIFY THE ENGINEER. AFTER DRIVING AND TESTING THE FIRST TWO PILES, DRIVE THE REMAINING PILES IN THE SUBSTRUCTURE TO THE SAME DEPTH AS THE FIRST TWO PILES. AFTER DRIVING ALL PILES TO THE ESTIMATED LENGTH, CEASE ALL DRIVING OPERATIONS AT THE SUBSTRUCTURE FOR A PERIOD OF 7 DAYS. INCLUDE THE WAITING PERIOD AS A SEPERATE ACTIVITY IN THE PROGRESS SCHEDULE. AFTER THE WAITING PERIOD, PERFORM PILE RESTRIKES ON BOTH OF THE FIRST TWO PILES (ONE RESTRIKE ITEM AT EACH ABUTMENT). SUBMIT ALL TEST RESULTS TO THE ENGINEER. IF THE RESTRIKE TEST RESULTS INDICATE THAT BOTH PILES ACHIEVED THE REQUIRED UBV, ALL PILES IN THE SUBSTRUCTURE MAY BE ACCEPTED BY THE ENGINEER.

PILES DRIVEN TO FULL ESTIMATED LENGTH WITH PILE/SOIL SETUP (CONT.):

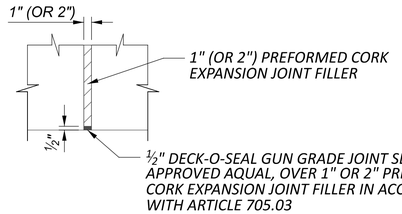
IF THE RESTRIKE TEST RESULTS INDICATE THAT EITHER OF THE TWO PILES DID NOT ACHIEVE THE REQUIRED UBV, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING. THE ENGINEER WILL REVIEW THE TEST RESULTS AND ESTABLISH ADDITIONAL RESTRIKE TESTING OR DRIVING CRITERIA FORTHE PILING IN THE SUBSTRUCTURE WITH THE ASSISTANCE OF THE DISTRICT GEOTECHNICAL ENGINEER, THE OFFICE OF CONSTRUCTION ADMINISTRATION, AND THE OFFICE OF GEOTECHNICAL ENGINEERING.

IF DIRECTED BY THE ENGINEER, PERFORM ADDITIONAL RESTRIKE TESTING OR DRIVE ALL PILES IN THE SUBSTRUCTURE TO THE ESTABLISHED DRIVING CRITERIA. THE DEPARTMENT WILL PAY FOR SPLICING OF THE PILES BEYOND THE ESTIMATED LENGTH PROVIDED IN THE PLANS UNDER C&MS 109.05 WITH A NEGOTIATED PRICE PER SPLICE.

THIS PLAN NOTE INCLUDES A QUANTITY OF ONE EACH ITEM 523 DYNAMIC LOAD TESTING, AS PER PLAN AND A QUANTITY OF ONE EACH ITEM 523 RESTRIKE, AS PER PLAN PER EACH SUBSTRUCTURE UNIT.

ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:
ITEM 516 - 2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN:

ALL 1" OR 2" PEJF CALLED FOR IN THE PLANS SHALL BE PREFORMED CORK JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03). RECESS JOINT FILLER 1/2" FOR ALL JOINTS (SEE DETAIL). SEAL ALL JOINTS THAT ARE ABOVE GRADE WITH DECK-O-SEAL GUN GRADE JOINT SEALANT OR AN APPROVED EQUAL. THE COLOR SHALL BE STONE GRAY. APPROVED MANUFACTURER'S APPLICATION METHODS SHALL BE FOLLOWED DURING SURFACE PREPARATION AND APPLICATION FOR MAXIMUM EFFECTIVENESS.



½" DECK-O-SEAL GUN GRADE JOINT SELANT OR APPROVED AQUAL, OVER 1" OR 2" PREFORMED CORK EXPANSION JOINT FILLER IN ACCORDANCE WITH ARTICLE 705.03

DECK-O-SEAL
P.O. BOX 397
HAMPSHIRE, IL 60140
PHONE: 800-542-7665

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 516 - 1" (OR 2") PREFORMED EXPANSION JOINT FILLER, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK DESCRIBED.

DECK PLACEMENT DESIGN ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 3.05 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48".

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65".

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	= ABUTMENT
A.T.G.	= ADJUST TO GRADE
BRG.	= BEARING
CB	= CATCH BASIN
C/C	= CENTER -TO-CENTER
C.J.	= CONSTRUCTION JOINT
CLR.	= CLEARANCE
CONST.	= CONSTRUCTION
DIA.	= DIAMETER
DWG.	= DRAWING
EA.	= EACH
E.F.	= EACH FACE
EL.	= ELEVATION
EST.	= ESTIMATED
EX.	= EXISTING
F.A.	= FORWARD ABUTMENT
F.D.S.	= FINAL DECK SURFACE
F.F.	= FAR FACE
INV.	= INVERT
LT.	= LEFT
MH	= MANHOLE
N.P.C.P.P.	= NON-PERFORATED CORRUGATED PLASTIC PIPE
N.F.	= NEAR FACE
O/O	= OUT-TO-OUT
P.C.P.P.	= PERFORATED CORRUGATED PLASTIC PIPE
PEJF	= PREFORMED EXPANSION JOINT FILLER
PROP.	= PROPOSED
R.A.	= REAR ABUTMENT
REQD.	= REQUIRED
RT.	= RIGHT
SER.	= SERIES
SHLD.	= SHOULDER
SPA.	= SPACES
STA.	= STATION
STD.	= STANDARD
STM	= STORM SEWER LINE
T&B	= TOP AND BOTTOM
T/S	= TOP OF SLOPE
T/T	= TOE-TO-TOE
TYP.	= TYPICAL
UN	= UNLESS NOTED

GENERAL NOTES - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER JCS | CHECKER SJF
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 2 | TOTAL 43
SHEET P.1488 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:23:01 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\401-Engineering_StructurePoint\Structures\SFN_2302588\Sheets\96808_SFN_2302588_SN001.dgn

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN:

IN ADDITION TO THE WORK ITEMS REQUIRED IN 511, THESE ITEMS WILL INCLUDE THE DEVELOPMENT, DELIVERY AND PLACEMENT OF A CLASS QC2 AND QC1 SELF CONSOLIDATING CONCRETE MIX DESIGN AS DESCRIBED IN THE FOLLOWING NOTE:

PROVIDE A CONCRETE MIX WITH THE FOLLOWING PROPERTIES:

SELF-CONSOLIDATING CONCRETE (SCC): WHEN REQUIRED IN THE DESIGN PLANS OR APPROVED BY THE ENGINEER, PROVIDE AN SCC MIX WITH AGGREGATE GRADATIONS WITHIN ZONE II OF THE COARSENESS FACTOR CHART THAT IS FLOWABLE, NON-SEGREGATING CONCRETE THAT CAN SPREAD INTO PLACE, FILL THE FORMWORK, AND ENCAPSULATE THE REINFORCEMENT WITHOUT MECHANICAL CONSOLIDATION. INCREASING THE AMOUNT OF AN APPROVED 705.12 (SCC) ADMIXTURE OF AN APPROVED JMF TO ACHIEVE THE DESIRED CONSISTENCY; RE-PROPORTIONING THE AGGREGATES WITHIN ZONE II; ADDING CEMENTITIOUS MATERIAL; AND INCLUDING A VISCOSITY MODIFYING ADMIXTURE (VMA) ARE ACCEPTABLE METHODS OF IMPROVING THE STABILITY OF THE MIX. A NEW MIX DESIGN IS NOT REQUIRED.

SLUMP REQUIREMENTS OF TABLE 499.04-1 DO NOT APPLY.

ESTABLISH QUALITY CONTROL PROCEDURES IN THE QUALITY CONTROL PLAN FOR SCC CONCRETE. SET THE TARGET SLUMP FLOW FOR THE MIX AND MAINTAIN THE FLOW WITHIN ` 2 INCHES. VISUALLY INSPECT THE STABILITY OF THE MIX TO ENSURE THAT THERE IS NO AGGREGATE PILE IN THE MIDDLE OF, NOR MORTAR HALO IN EXCESS OF ½ INCH ON THE LEADING EDGE OF THE SLUMP FLOW TEST PILE. TEST THE SLUMP FLOW ACCORDING TO ASTM C1611.

GRADATION:

PROVIDE A WELL-GRADED CONCRETE MIX BY MAINTAINING THE GRADATION OF THE COMBINATION OF AGGREGATES WITHIN ZONE II (OPTIMAL) OF THE COARSENESS FACTOR CHART (FIGURE 1) AS DEFINED IN THE COMPASS OR EQUAL SOFTWARE. USE A 1 INCH NOMINAL MAXIMUM SIZE AGGREGATE. ENSURE THAT THE DESIGN YIELD IS 27.0 CU. FT.

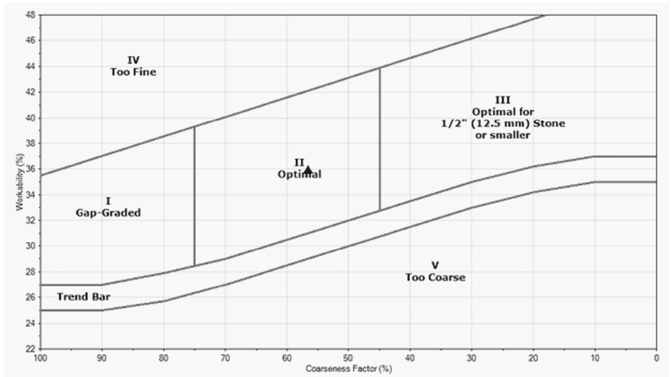


FIGURE 1- COARSENESS FACTOR CHART

USE THE FOLLOWING SIEVE SIZES TO DETERMINE THE GRADATION OF THE AGGREGATES:

1 1/2 INCH	# 8
1 INCH	# 16
3/4 INCH	# 30
1/2 INCH	# 50
3/8 INCH	# 100
#4	# 200

IN THE CHART:
WORKABILITY FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT PASSES THE NO. 8 SIEVE. COARSENESS FACTOR (%) REFERS TO THE PERCENT OF THE COMBINED AGGREGATE THAT IS RETAINED ON THE NO. 8 SIEVE THAT IS ALSO RETAINED ON THE 3/8 IN. SIEVE. THE CHART IS BASED ON A CEMENT CONTENT OF 564 LBS /CU.YD. ADJUST TO WORKABILITY PROPORTIONATELY AND DIRECTLY BY 2.5% PER 94 LBS. OF CEMENT WHEN USING EITHER LESS OR MORE. ENSURE THAT THE CONCRETE MIX DESIGN IS WORKABLE AND FINISHABLE DURING THE TRIAL PROCESS. WHEN THE MIX IS DETERMINED TO HAVE ISSUES RELATING TO WORKABILITY OR FINISHABILITY IN THE FIELD, THE DEPARTMENT MAY RESCIND THE MIX DESIGN ACCEPTANCE.

THIS SCC CONCRETE IS BEING UTILIZED TO BEST FILL THE FORMLINED CONCRETE POURS WHERE SPECIFIED IN THIS PLAN.

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN:
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN (CONT.):

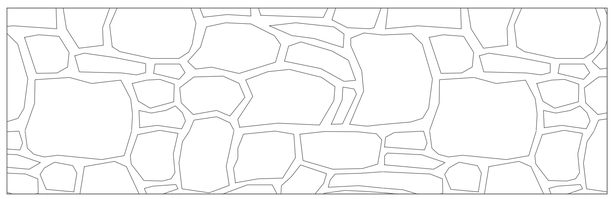
THE SURFACE FINISH SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 2626 LIGHT GRAY AS PROVIDED BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL.
THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

PAYMENT WILL INCLUDE DEVELOPMENT AND PLACEMENT OF THE SELF CONSOLIDATING CONCRETE MIX, ALL AESTHETIC TREATMENT INCLUDING THE CONCRETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN



ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	PANEL SURFACE TREATMENT:	SPECIFICATIONS:
CUSTOM ROCK INTERNATIONAL	NEW ENGLAND DRYSTACK # 12003	MAX RELIEF 1⅜" LINER THICKNESS 2¼" STONE SIZE 3" TO 24"
SPEC FORMLINERS, INC.	WASHINGTON DRYSTACK # 1581	MAX RELIEF 1½" LINER THICKNESS 2¾" STONE SIZE 4" TO 24"
APPROVED EQUAL	APPROVED EQUAL	APPROVED EQUAL

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN:
ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PER PLAN:

THE SURFACE FINISH, WHERE DESIGNATED IN THE PLAN, SHALL BE ONE OF THE PATTERNS DESCRIBED BELOW IN THE ARCHITECTURAL SURFACE ELEVATION AND TABLE FROM AN APPROVED COMPANY MEETING THE DETAILS SHOWN ON THIS PAGE.

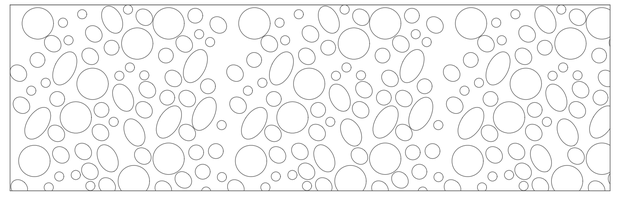
THE SURFACE TREATMENTS REFERENCE BELOW ARE INTENDED FOR PROCEDURE, TEXTURE, AND APPEARANCE REFERENCE. THE APPLICATION, AS SHOWN IN THE PLAN, IS TO BE STAMPED CONCRETE FLATWORK IN THIS CASE.

STAINING OF THE PATTERNED CONCRETE SURFACES SHALL BE DONE PRIOR TO APPLICATION OF ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY). THE STAIN COLORED CONCRETE, USING LITHOCHROME TINTURA STAIN, SHALL BE COLOR 5050, SPANISH TILE, AS SHOWN IN CHARTS BY L.M. SCOFIELD COMPANY, DOUGLASVILLE, GEORGIA (800) 800-9900 OR APPROVED EQUAL. THE STAIN SHALL BE APPLIED BY AN EVEN AND CONTROLED METHOD AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. THE CONTRACTOR WILL NOT ALLOW OVERSPRAY OR RUNS TO RUIN THE APPEARANCE OF THE ADJACENT CONCRETE, WHICH SHALL REMAIN UNSTAINED.

TWO FULL SCALE, DIFFERENTLY PATTERNED, STAINED AND SEALED, PRECONSTRUCTION TEST PANELS SHALL BE PROVIDED FOR APPROVAL BY THE DIRECTOR. IF THE TEST PANELS DO NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED PANEL SURFACE CHOSEN. THE TEST PANELS WILL BE PROVIDED REPEATEDLY, AS NECCESSARY, UNTIL APPROVAL IS GRANTED. FIVE FEET BY FIVE FEET TEST PANELS SHALL BE PROVIDED. THE MOCK-UPS SHALL HAVE THE SAME ARCHITECTURAL RELIEF, THICKNESS, PATTERN, AND COLOR/SEALANT INTENDED TO BE USED ON THE PROJECT. THE PANELS SHALL BE OF THE SAME CEMENT, AGGREGATE SOURCE, AND CONCRETE SEALANT THAT WILL BE USED TO CONSTRUCT THE PROJECT. AFTER APPROVAL THE CONCRETE TEST PANELS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

ALL AESTHETIC TREATMENT INCLUDING THE CONCRTETE, SURFACE FINISH, STAIN, TEST PANELS, AND ALL OTHER MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED WITH THE ITEMIZED PAYMENT FOR:

ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN
ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QCQA (T=17"), AS PER PLAN.



ARCHITECTURAL SURFACE - ELEVATION

THE FOLLOWING SHALL BE USED:

COMPANY NAME:	PANEL SURFACE TREATMENT:	SPECIFICATIONS:
BRICKFORM (A DIVISION OF SOLOMON COLORS, INC.)	EDINBURGH COBBLE # FM-520	MAX RELIEF ¼" LINER THICKNESS N/A STONE SIZE 6"
PARADISE MASONRY LLC	OLD COBBLESTONE # CS100	MAX RELIEF ¼" LINER THICKNESS N/A STONE SIZE 5" TO 8½"
APPROVED EQUAL	APPROVED EQUAL	APPROVED EQUAL

GENERAL NOTES - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER JCS | CHECKER SJF
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 3 | TOTAL 43
SHEET P.1489 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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ESTIMATED QUANTITIES FAI-00204-0046 (TAYLOR ROAD)

CALCULATED BY: XXX DATE: XX/XX/XXXX
CHECKED BY: XXX DATE: XX/XX/XXXX

ITEM	EXT.	QUANTITY	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER STR.	GEN.	SHT. NO.
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING					
503	21300		LS	UNCLASSIFIED EXCAVATION					
505	11100		LS	PILE DRIVING EQUIPMENT MOBILIZATION					
507	00500		FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
507	00550		FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
507	00600		FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
507	00650		FT	14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
509	10000		LB	EPOXY COATED STEEL REINFORCEMENT					
511	33500		EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE					
511	34446		CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK					
511	34451		CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN					
511	41012		CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS					
511	44113		CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN					
511	46512		CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
511	51512		CY	CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK					
512	10050		SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)					
512	33000		SY	TYPE 2 WATERPROOFING					
515	15130		EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (126'-7")					
515	15130		EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF72-49 (110'-7")					
515	20000		EACH	INTERMEDIATE DIAPHRAGMS					
516	13601		SF	1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN					
516	13901		SF	2" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN					
516	14020		FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL					
516	14600		FT	STRUCTURAL JOINT OR JOINT SEALER, MISC: EMSEAL WITH SLEEPER SLAB					
516	44200		EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (1'-1" x 2'-4" x 3 3/8"), (NEOPRENE)					
516	44201		EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (1'-1" x 2'-4" x 3 3/8"), (NEOPRENE), AS PER PLAN					
518	21200		CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC					
518	40000		FT	6" PERFORATED CORRUGATED PLASTIC PIPE					
518	40010		FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS					
523	20000		EACH	DYNAMIC LOAD TESTING					
523	20001		EACH	DYNAMIC LOAD TESTING, AS PER PLAN					
523	20501		EACH	RESTRIKE, AS PER PLAN					
526	30010		SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					
607	40000		FT	SPECIAL - VANDAL PROTECTION FENCE					
625	33000		EACH	STRUCTURE GROUNDING SYSTEM					

ESTIMATED QUANTITIES
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER BWJ | CHECKER JCS
REVIEWER CLB 04-28-25YY
PROJECT ID 96808
SUBSET 4 | TOTAL 43
SHEET P.1490 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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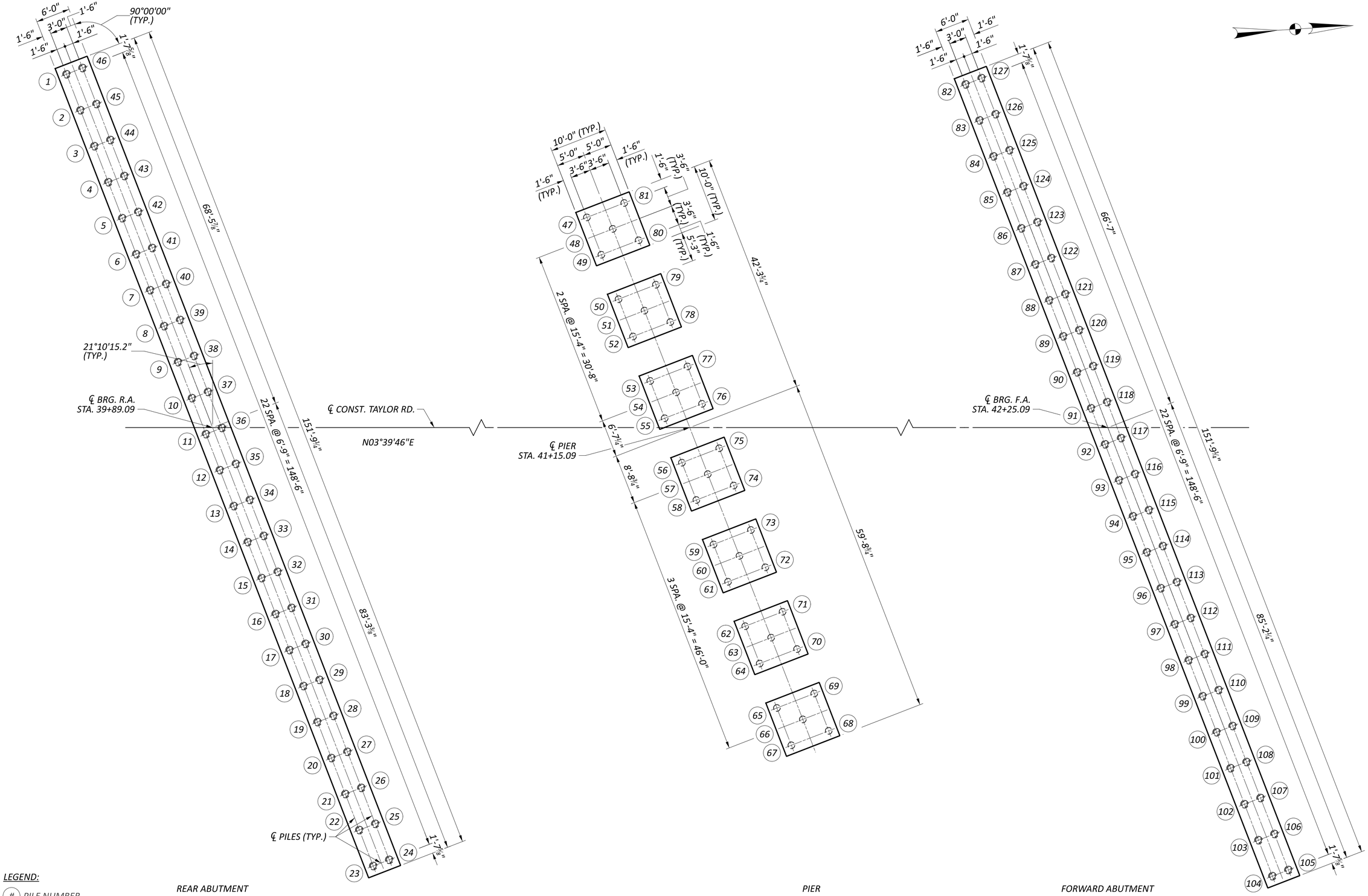

LEGEND:

(#) *PILE NUMBER*

VERTICAL 14" DIA. CIP PILE

VERTICAL 12" DIA. CIP PILE WITH PILE SLEEVE

FOUNDATION PLAN

FAI/LIC-70.0.00/0.00

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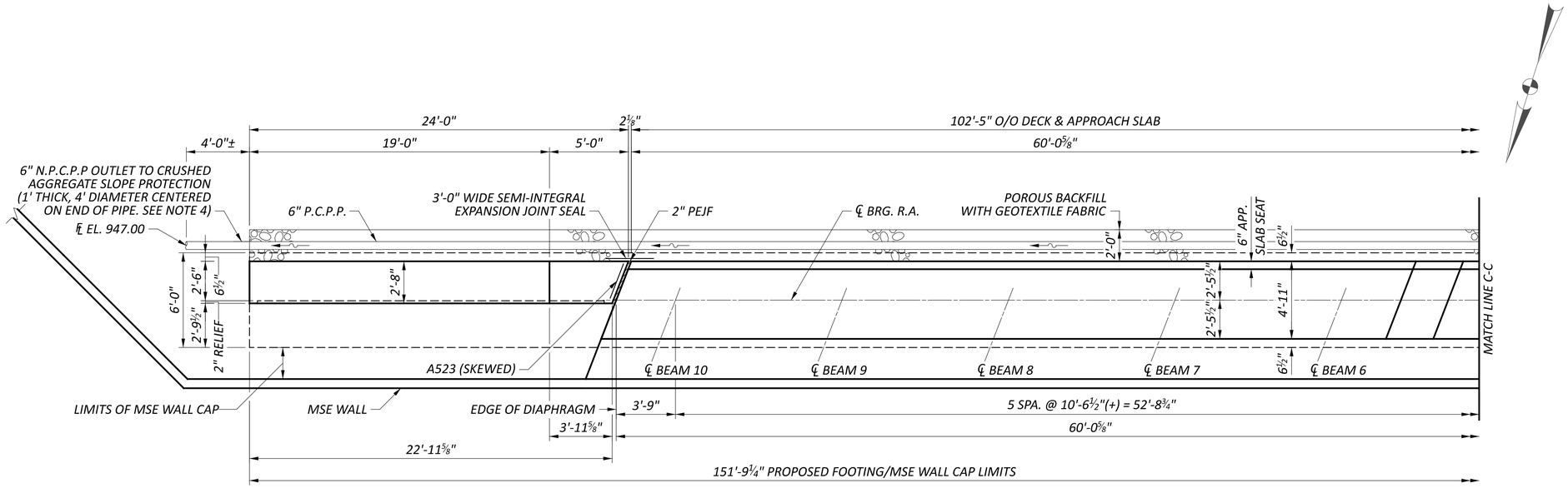
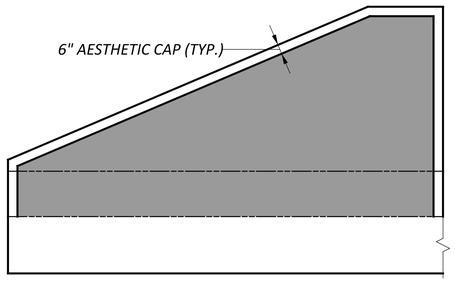
FOUNDATION PLAN
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	MAH
CHECKER	ABD/JCS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	5
TOTAL	43
SHEET	P.1491
TOTAL	P.1556



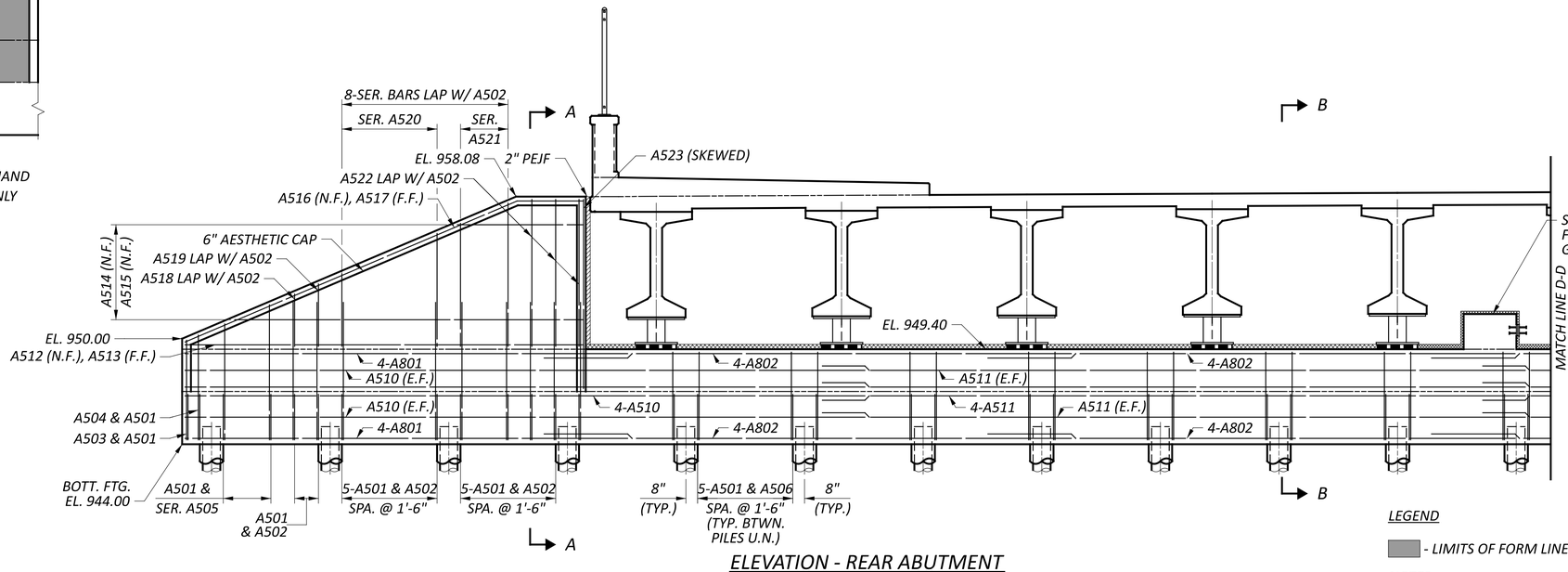
PLAN - REAR ABUTMENT

(PILES NOT SHOWN FOR CLARITY)



WINGWALL AESTHETIC LAYOUT

REAR RIGHT WINGWALL SHOWN. REAR LEFT OPPOSITE HAND
APPLY FORM LINER TO SHADED AREAS, FRONT FACE ONLY



ELEVATION - REAR ABUTMENT

MINIMUM BAR LAP	
#5	2'-5"
#8	4'-9"

LEGEND

- LIMITS OF FORM LINER

NOTES:

1. SEE STD. DWG. SICD-1-21 FOR ADDITIONAL NOTES AND DETAILS.
2. SEE STD. DWG. SICD-2-14 AND SHEET 11/43 FOR DIAPHRAGM GUIDE DETAILS.
3. SEE SHEET 10/43 FOR SECTIONS A-A & B-B
4. PAYMENT FOR CRUSHED AGGREGATE SLOPE PROTECTION INCLUDED WITH ITEM 518.

REAR ABUTMENT PLAN AND ELEVATION - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER MAH | CHECKER ABD
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 6 | TOTAL 43
SHEET P.1492 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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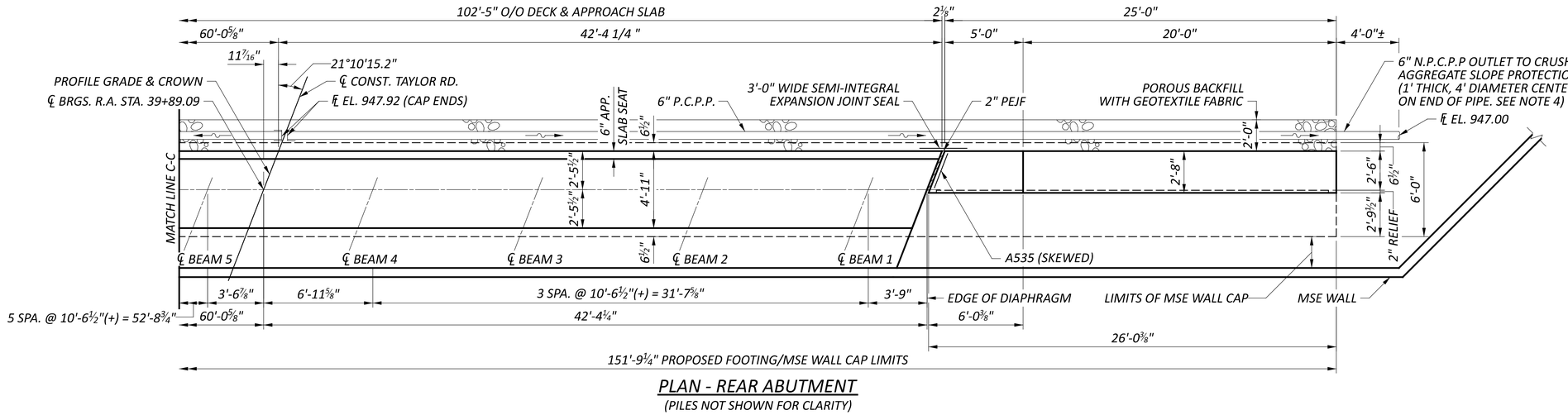

PLAN - REAR ABUTMENT

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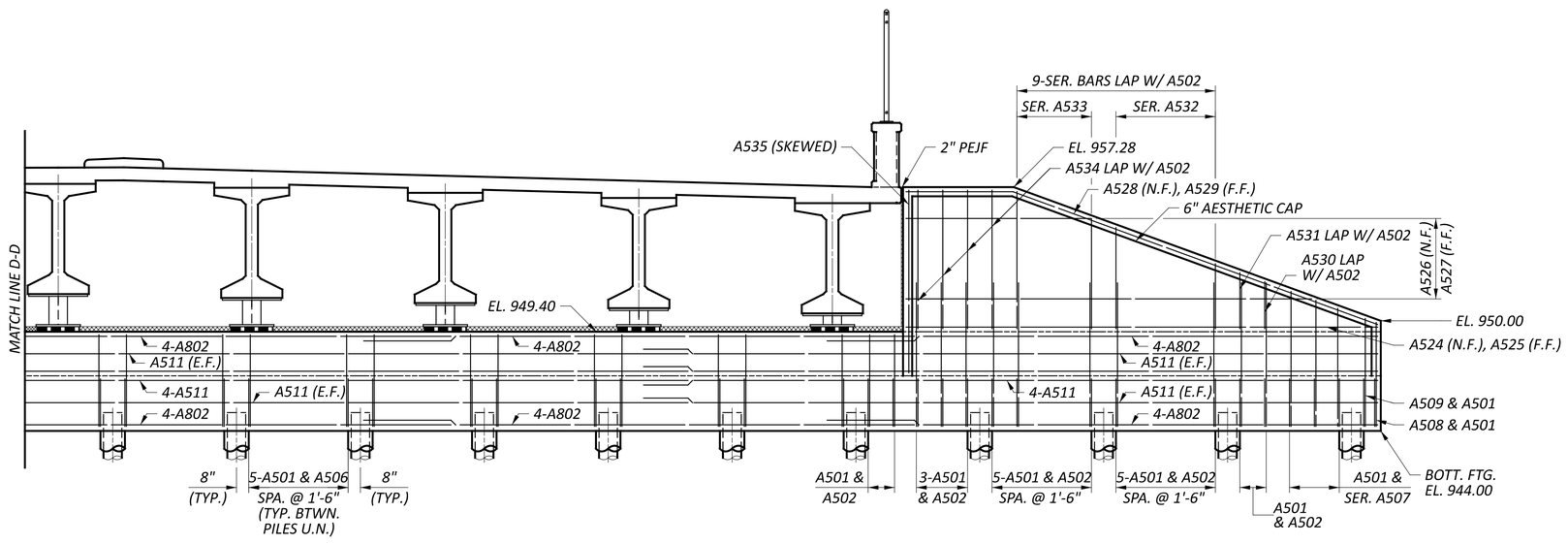

ELEVATION - REAR ABUTMENT

MINIMUM BAR LAP	
#5	2'-5"
#8	4'-9"

NOTES:

1. SEE SHEET 6/43 FOR NOTES AND LEGEND.

REAR ABUTMENT PLAN AND ELEVATION - 2

BRIDGE NO. FAI-00204-0046

TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY STRUCTUREPOINT LLC

DESIGNER	CHECKER
MAH	ABD

REVIEWER: CLB 04-28-25

PROJECT ID: 96808

SUBSET: 7 TOTAL: 43

SHEET: P.1493 TOTAL: P.1556

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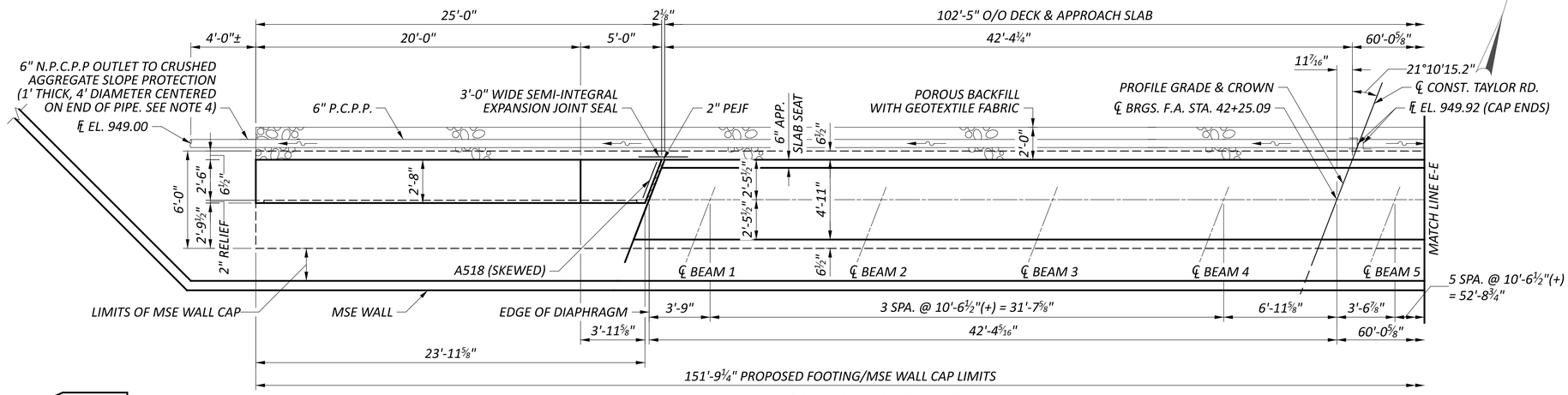
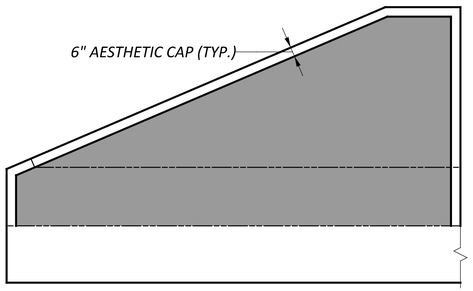


PLAN - FORWARD ABUTMENT

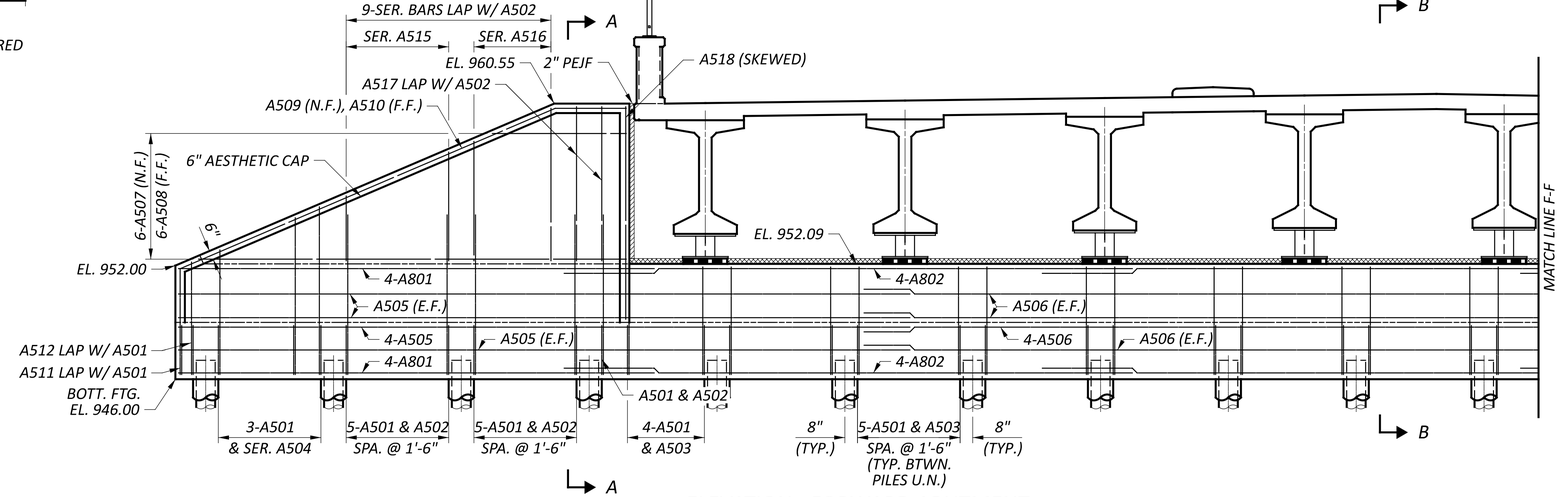
(PILES NOT SHOWN FOR CLARITY)

9 SPA. @ 10'-6½" = 94'-10⅞"



WINGWALL AESTHETIC LAYOUT

FORWARD LEFT WINGWALL SHOWN, FORWARD RIGHT MIRRORED
APPLY FORM LINER TO SHADED AREAS, FRONT FACE ONLY



ELEVATION - FORWARD ABUTMENT

MINIMUM BAR LAP	
#5	2'-5"
#8	4'-9"

LEGEND

1 - A501 & A502 SPA. @ 1'-6"

NOTES:

1. SEE SHEET 6/43 FOR NOTES AND LEGEND.

FAI/LIC-70.0.00/0.00

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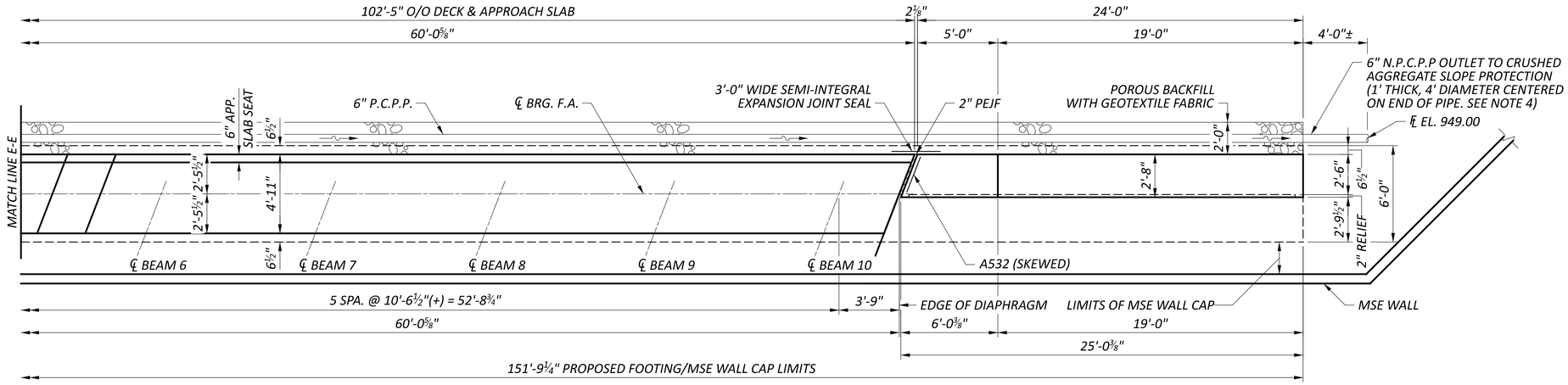
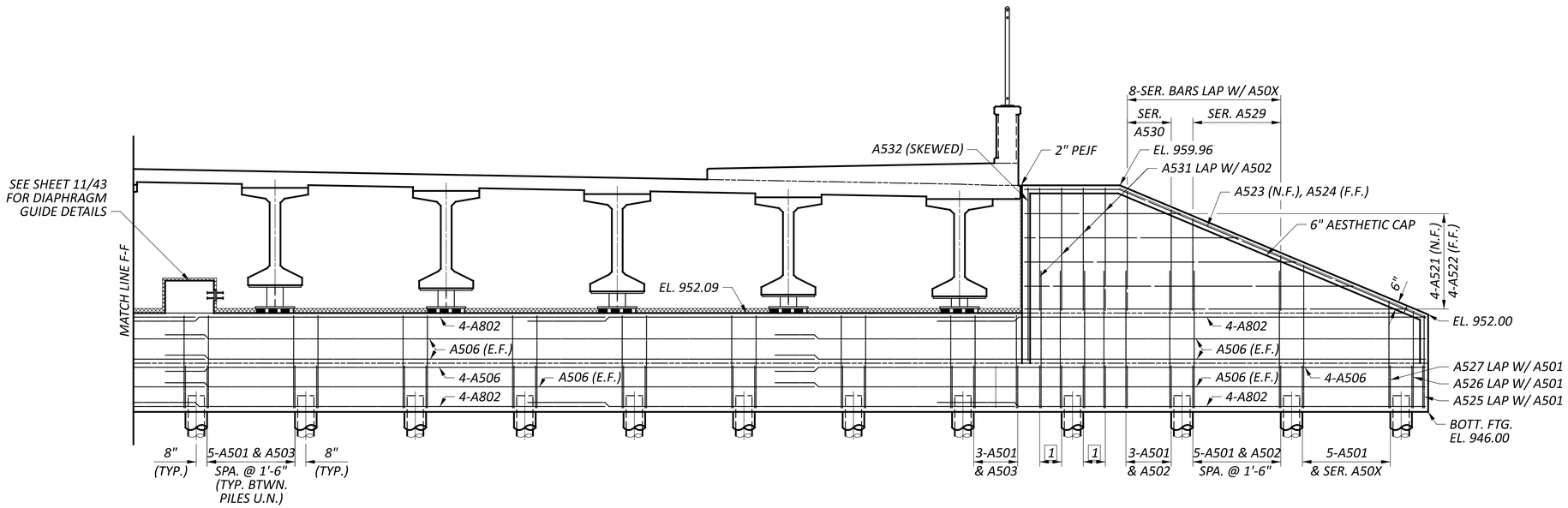
FORWARD ABUTMENT PLAN AND ELEVATION - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT
DESIGNER MAH | CHECKER ABD
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 8 | TOTAL 43
SHEET P.1494 | TOTAL P.1556



PLAN - FORWARD ABUTMENT

(PILES NOT SHOWN FOR CLARITY)



ELEVATION - FORWARD ABUTMENT

MINIMUM BAR LAP	
#5	2'-5"
#8	4'-9"

LEGEND

1 - A501 & A502 SPA. @ 1'-6"

NOTES:

1. SEE SHEET 6/43 FOR NOTES AND LEGEND.

FORWARD ABUTMENT PLAN AND ELEVATION - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER MAH | CHECKER ABD
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 9 | TOTAL 43
SHEET P.1495 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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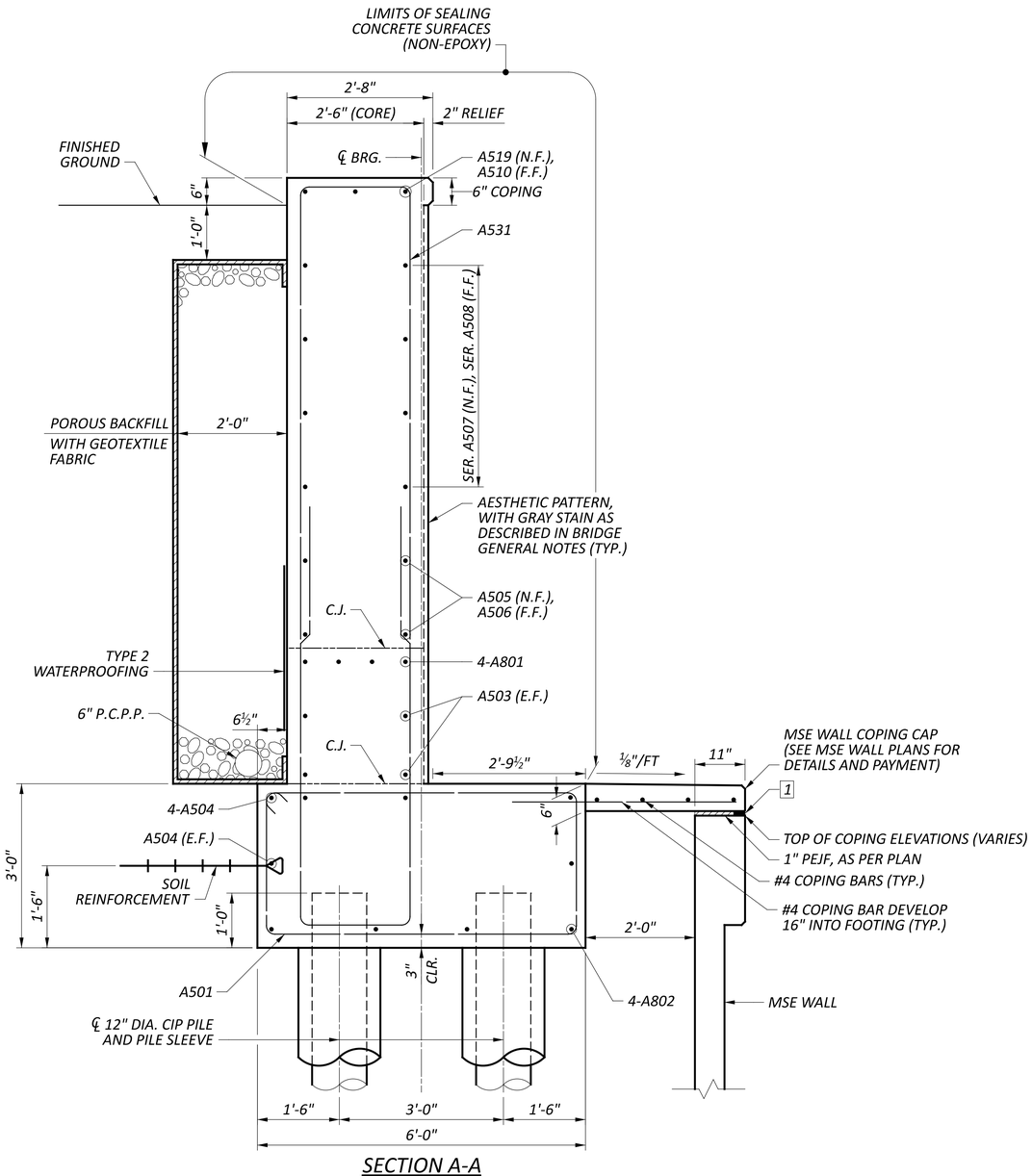
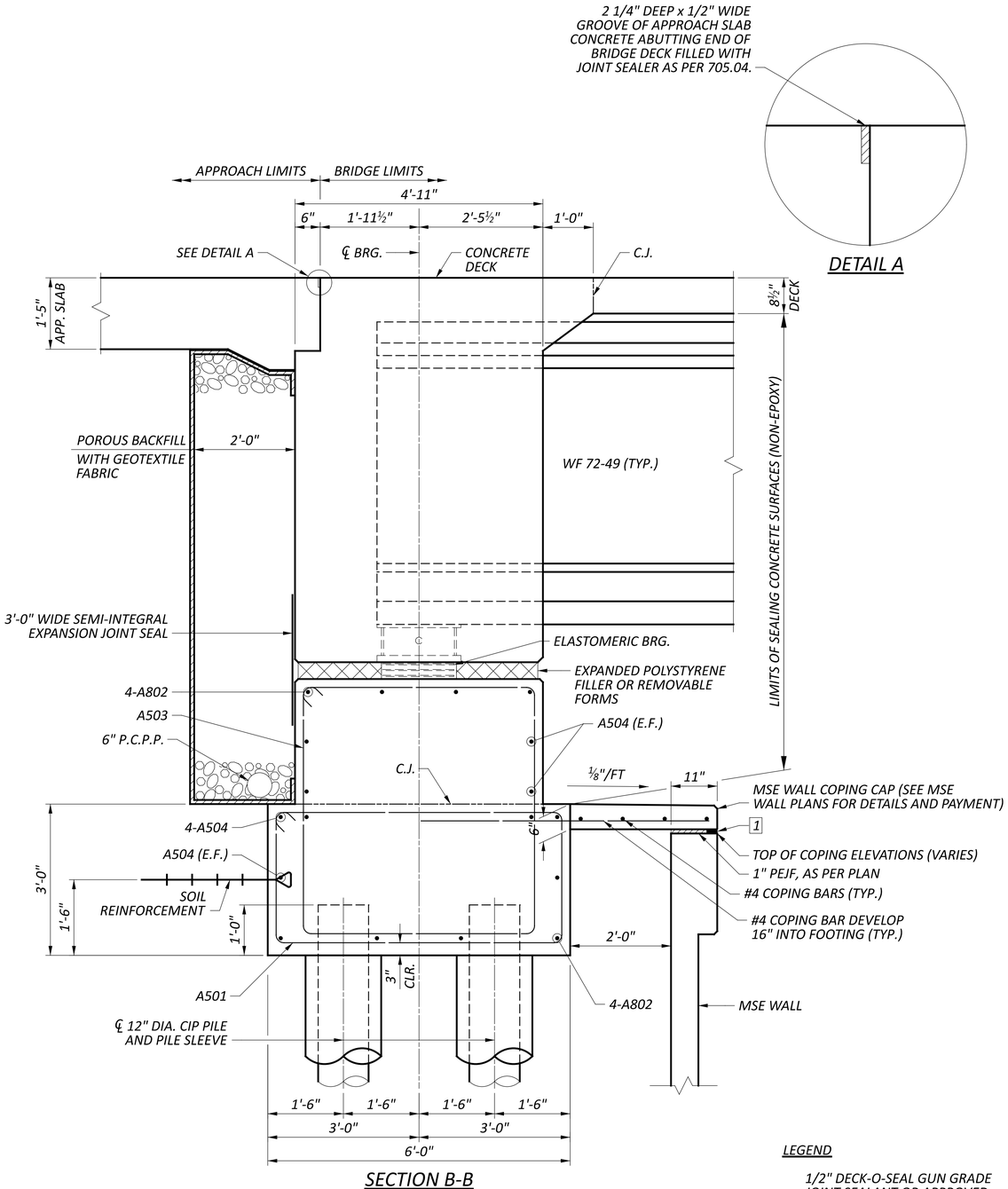


SECTION A-A



SECTION B-B

LEGEND

1 - *1/2" DECK-O-SEAL GUN GRADE JOINT SEALANT OR APPROVED EQUAL, OVER 1" PREFORMED CORK EXPANSION JOINT FILLER (IN ACCORDANCE WITH ARTICLE 705.03)*

NOTES:

1. *SEE STD. DWG. SICD-1-21 FOR ADDITIONAL NOTES AND DETAILS.*
2. *SEE SHEET 11/43 FOR DIAPHRAGM GUIDE DETAILS.*

ABUTMENT DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	MAH
CHECKER	ABD
REVIEWER	CLB 04/88/25
PROJECT ID	96808
SUBSET	10
TOTAL	43
SHEET	P.1496
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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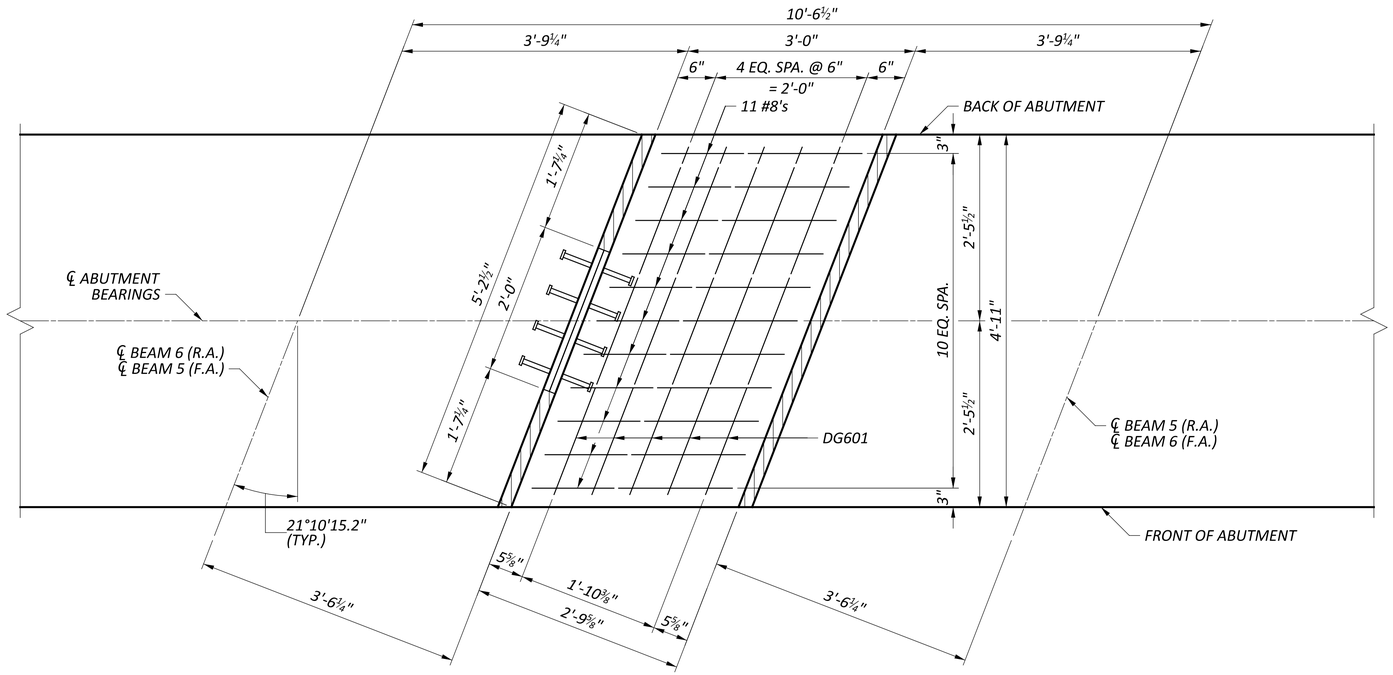
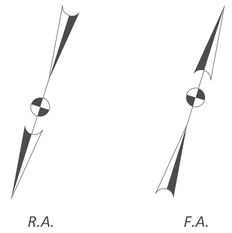
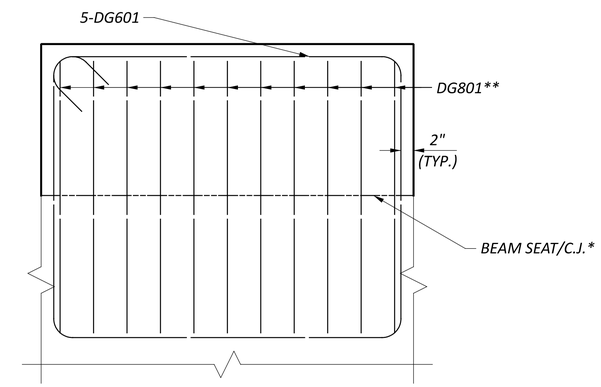
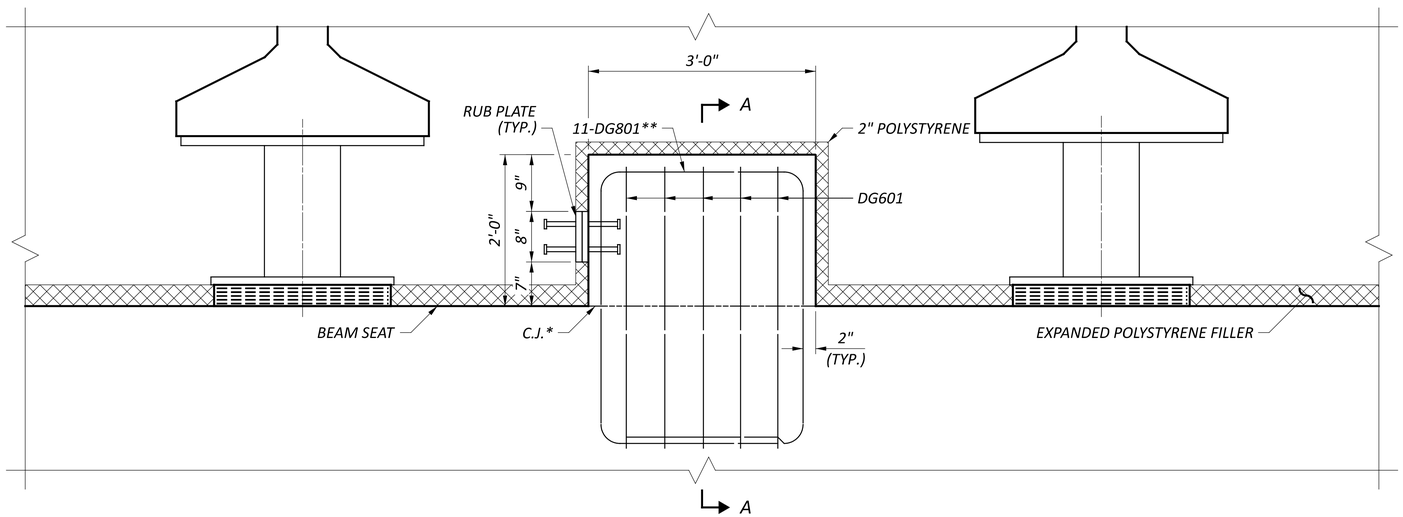


DIAPHRAGM GUIDE PLAN





SECTION A-A



DIAPHRAGM GUIDE ELEVATION

LEGEND

* - FINISH THE SURFACE OF THE CONSTRUCTION JOINT WITH A SERRATED TROWEL. THE SERRATIONS SHALL BE 1/4" DEP.

** - PLACE TO AVOID INTERFERENCE WITH LONGITUDINAL REINFORCEMENT IN THE BEAM SEAT.

NOTES:

1. SEE STD. DWG. SICD-2-24 FOR ADDITIONAL NOTES AND DETAILS.
2. SEE SHEETS 6, 7, 8 AND 9/43 FOR DIAPHRAGM GUIDE LOCATIONS.
3. PAYMENT FOR SEMI-INTEGRAL DIAPHRAGM GUIDE AND ALL RELATED APPURTENANCES SHALL BE INCLUDED WITH ITEM 511, SEMI-INTEGRAL DIAPHRAGM GUIDE.

ABUTMENT DIAPHRAGM GUIDE DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	MAH
CHECKER	ABD
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	11
TOTAL	43
SHEET	P.1497
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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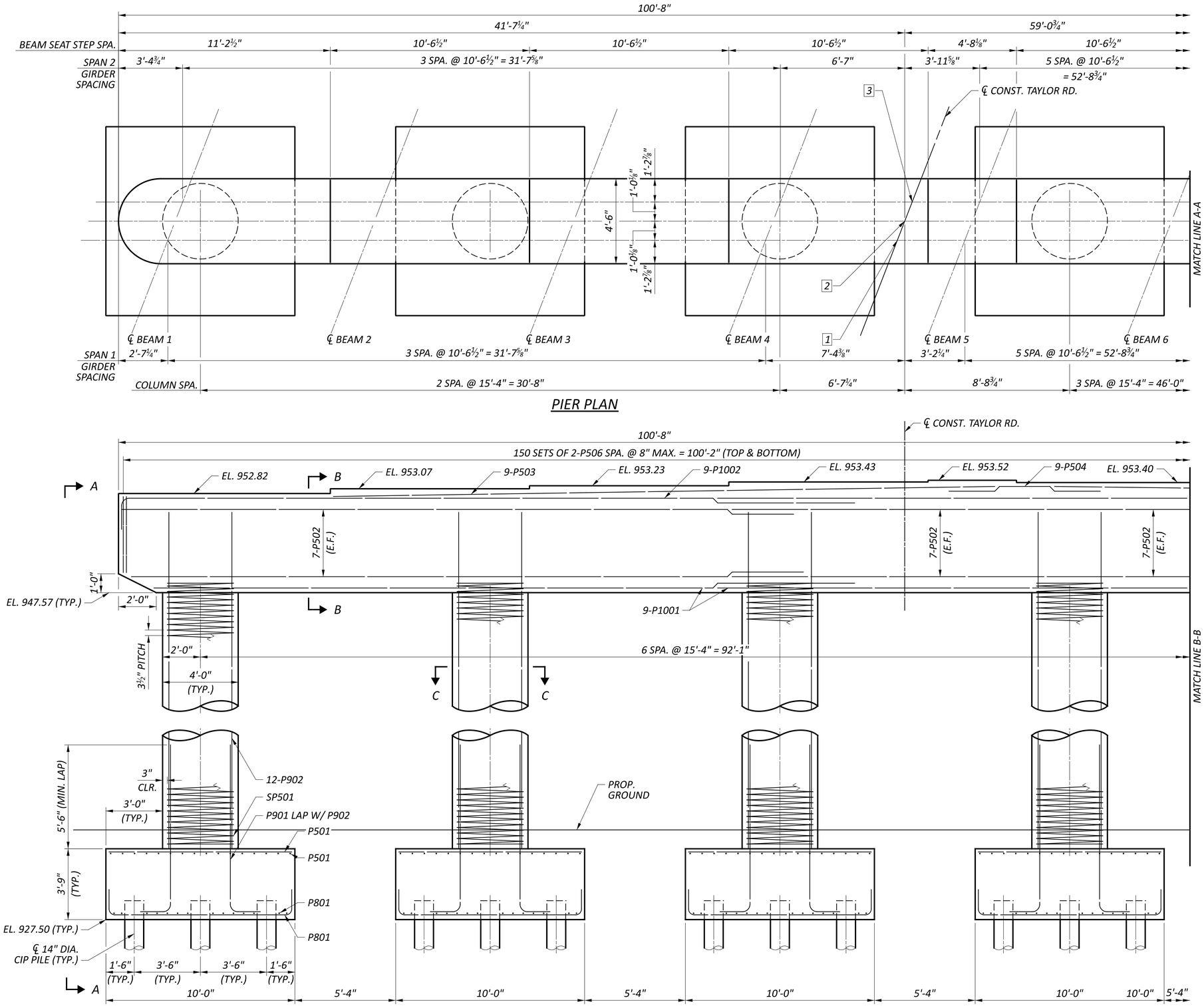

PIER PLAN

PIER ELEVATION

MINIMUM BAR LAP	
#5	3'-3"
#9	7'-3"

LEGEND

1 - ℄ BRG., STA. 41+16.17

2 - ℄ PIER 1, STA. 41+15.09

3 - ℄ BRG., STA. 41+14.00

NOTES:

1. FOR FOOTING PLAN, VIEW A-A, AND SECTION B-B AND C-C, SEE SHEET 14/43.

PIER DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY STRUCTUREPOINT LLC

DESIGNER	CHECKER
MAH	JCS

REVIEWER CLB 04/25/25

PROJECT ID 96808

SUBSET	TOTAL
12	43

SHEET	TOTAL
P.1498	P.1556

FAI/LIC-70.0.00/0.00

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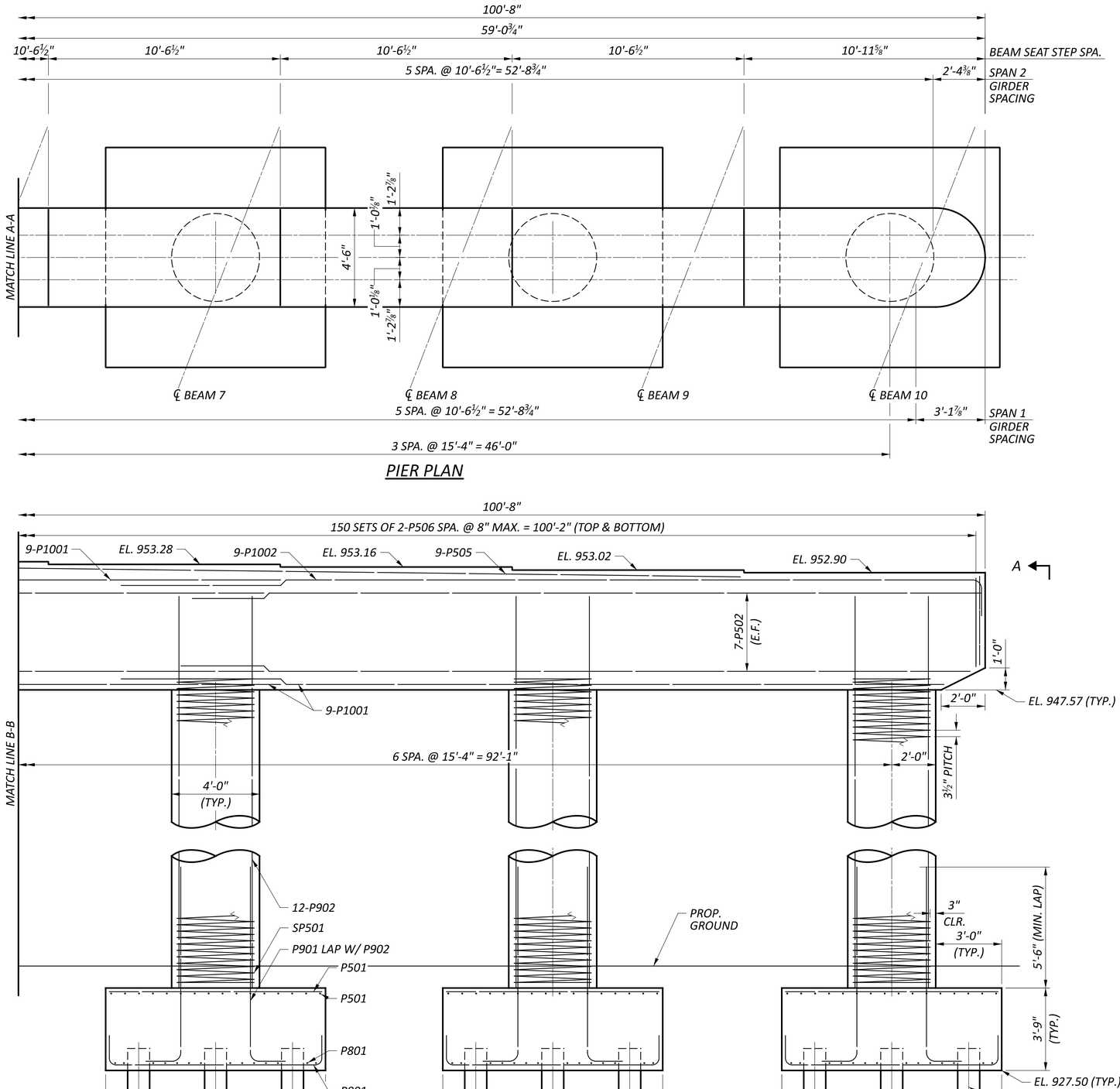

PIER PLAN

PIER ELEVATION

MINIMUM BAR LAP	
#5	3'-3"
#9	7'-3"

NOTES:

1. SEE SHEET 12/43 FOR NOTES.

PIER DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	MAH
CHECKER	JCS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	13
TOTAL	43
SHEET	P.1499
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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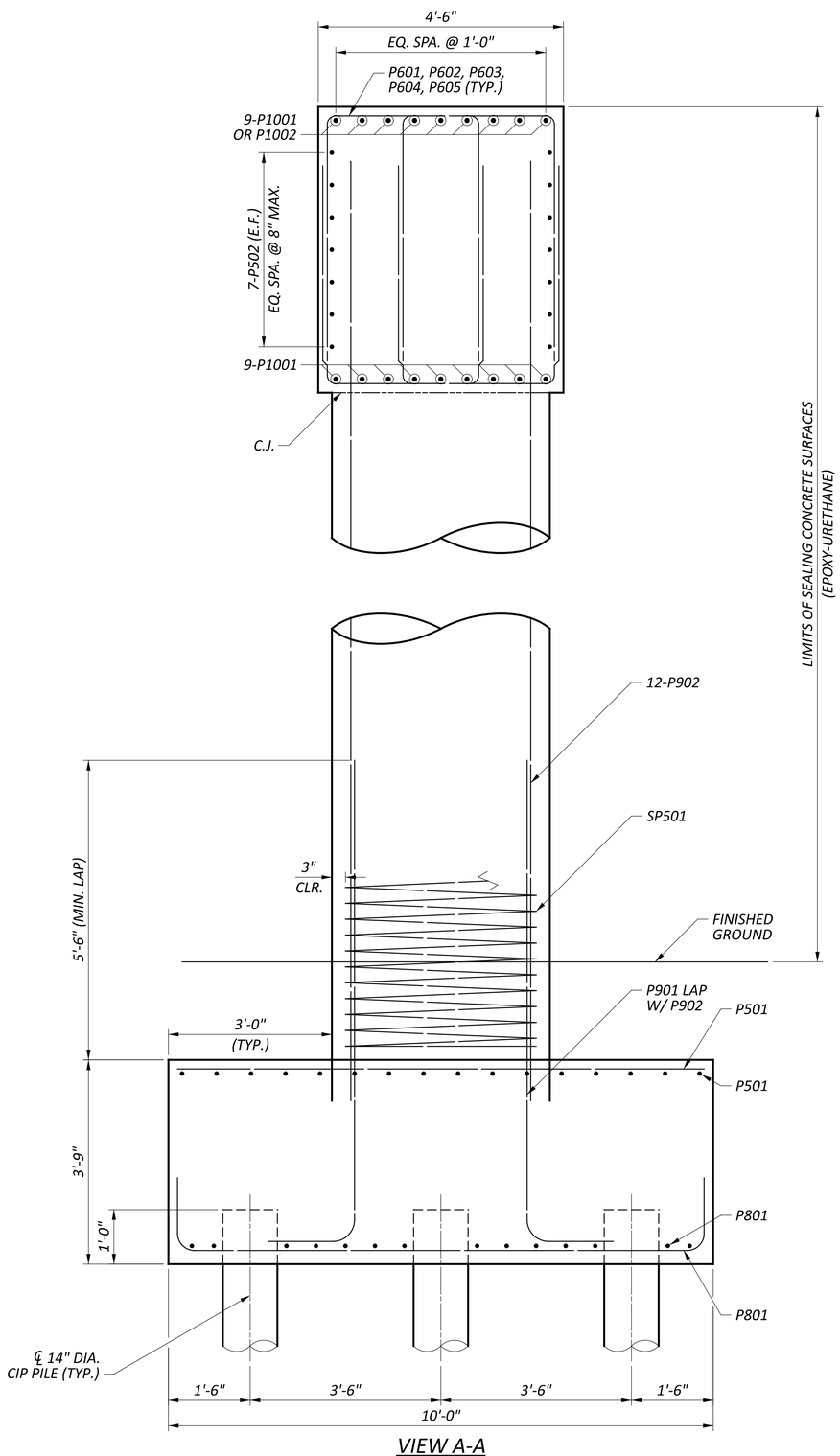
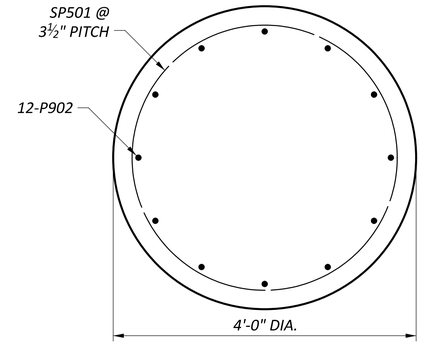
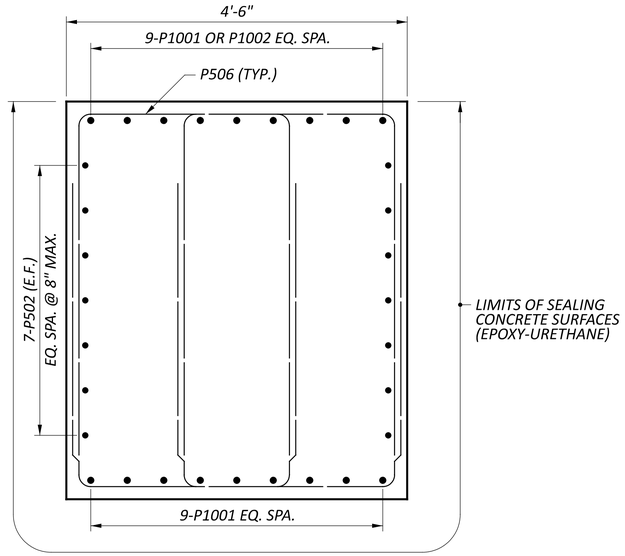


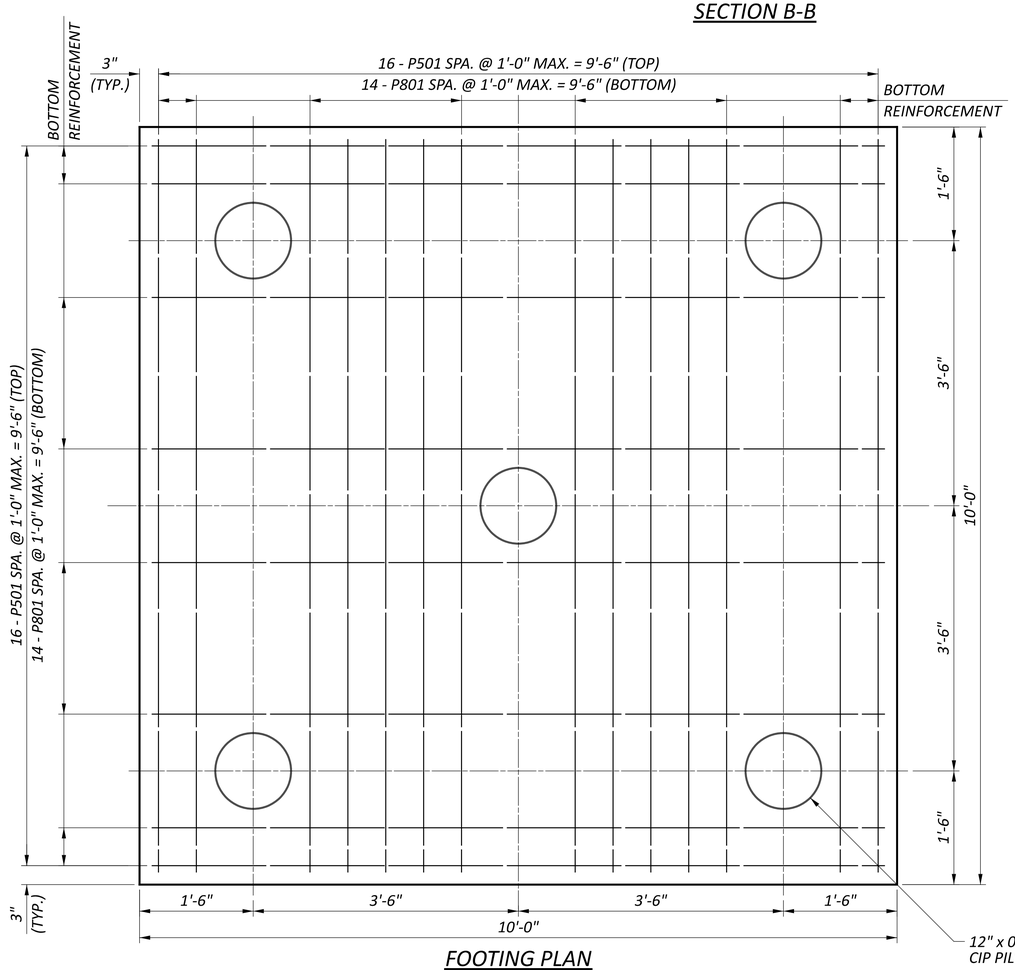
VIEW A-A



SECTION C-C



SECTION B-B



FOOTING PLAN

PIER DETAILS - 3
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	MAH
CHECKER	JCS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	14
TOTAL	43
SHEET	P.1500
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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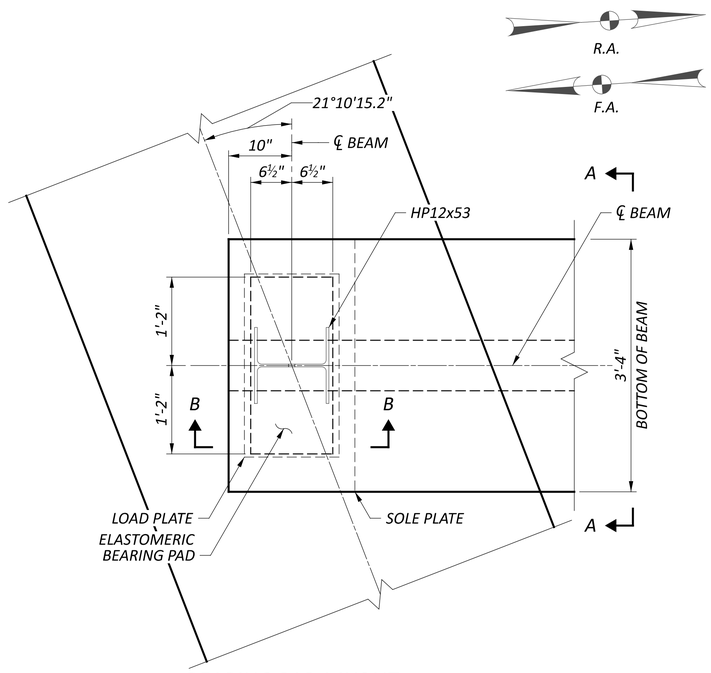
BEARING SCHEDULE									STEEL LOAD PLATE L x W x T	STEEL SOLE PLATE L x W x T
LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS		
REAR ABUT.	EXPANSION	10	1'-1" x 2'-4" x 3 3/8"	6 (t= 0.1046")	0.5"	5	0.35"	1	1'-3" x 2'-5" x 1 1/2"	1'-8" x 3'-4" x 1 1/2"
FWD. ABUT.	EXPANSION	10	1'-1" x 2'-4" x 3 3/8"	6 (t= 0.1046")	0.5"	5	0.35"	1	1'-3" x 2'-5" x 1 1/2"	1'-8" x 3'-4" x 1 1/2"

ti = THICKNESS OF INTERNAL LAYER
te = THICKNESS OF EXTERNAL LAYER
T = TOTAL THICKNESS OF ELASTOMERIC BEARING
N = NUMBER OF STEEL LAMINATES
INTERNAL STEEL LAMINATE THICKNESS = 0.1046"

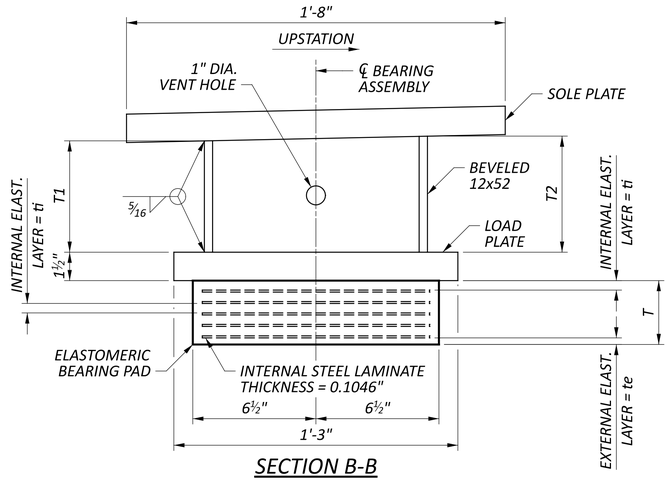
** - LOADS GIVEN IN THE BEARING TABLE ARE SERVICE LOAD AND WITH NO IMPACT.*

FAI-00204-0046 BEVELED HP HEIGHT (INCH)				
	REAR ABUTMENT		FWD. ABUTMENT	
BEAM NO.	T1	T2	T1	T2
1	5 7/8"	6 1/8"	1'-0 9/16"	1'-0 9/16"
2	9 1/4"	9 1/2"	1'-2 3/16"	1'-2 3/16"
3	1'-0 5/8"	1'-0 13/16"	1'-3 3/4"	1'-3 3/4"
4	1'-3 15/16"	1'-4 1/8"	1'-5 5/16"	1'-5 5/16"
5	1'-5 15/16"	1'-6 1/8"	1'-5 5/8"	1'-5 5/8"
6	1'-5 7/16"	1'-5 5/8"	1'-3 5/16"	1'-3 5/16"
7	1'-4 7/8"	1'-5 1/8"	1'-1 1/16"	1'-1 1/16"
8	1'-4 5/16"	1'-4 1/2"	10 3/4"	10 3/4"
9	1'-3 3/4"	1'-3 15/16"	8 3/8"	8 3/8"
10	1'-3 1/8"	1'-3 5/16"	6"	6"



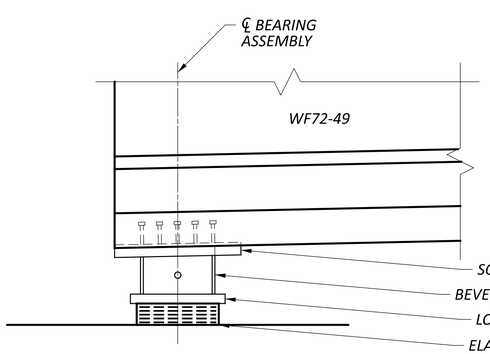
BEARING PAD LAYOUT

REAR ABUTMENT SHOWN , TYP. FOR BOTH ABUTMENTS

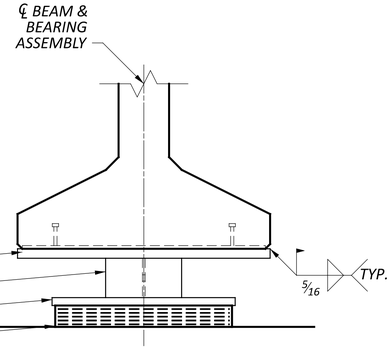


SECTION B-B

UNFACTORED BEARING LOADS (KIP)		
	R.A.	F.A.
DEAD LOAD	257.5	231.0
LIVE LOAD	107.6	102.2
TOTAL LOAD	365.2	333.2



ELEVATION



SECTION A-A

NOTES:

1. *ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.*
2. *ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.*
3. *ALL STRUCTURAL STEEL PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50 AND SHALL BE GALVANIZED ACCORDING TO C&MS 711.02.*
4. *THE LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS.*
5. *SEE STD. DWG. PSID-1-13 FOR ADDITIONAL NOTES AND DETAILS.*
6. *BASIS OF PAYMENT: THE UNIT BID PRICE SHALL INCLUDE ALL MATERIALS, LABOR, TESTING, AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL LAMINATED ELASTOMERIC BEARINGS, STEEL LOAD PLATES, SOLE PLATES, AND STEEL HP SHAPES. PAYMENT WILL BE MADE AT THE CONTRCT PRICE FOR ITEM 516 - ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN.*

BEARING DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER BMK | CHECKER DAS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 15 | TOTAL 43
SHEET P.1501 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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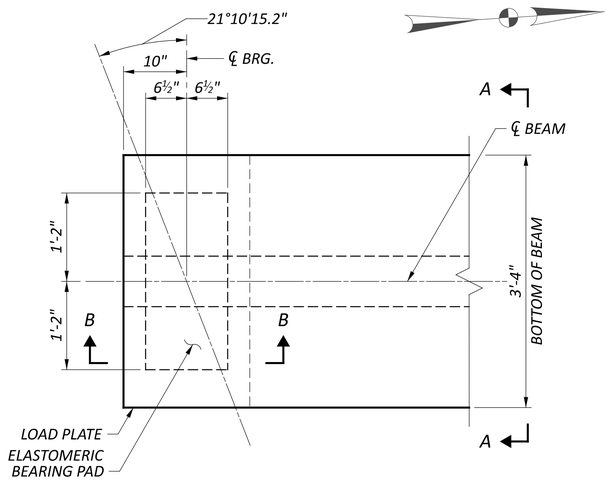
BEARING SCHEDULE										STEEL LOAD PLATE L x W x T
BEAM NO.	LOCATION	ASSEMBLY TYPE	NO. OF BEARINGS	SIZE L x W x T	NO. OF STEEL LAMINATES	ti	NO. OF ti LAYERS	te	NO. OF te LAYERS	
1-3	PIER 1	EXPANSION	6	1'-1" x 2'-4" x 3⅜"	6 (t= 0.1046")	0.50"	5	0.25"	1	1'-8" x 3'-4" x VARIES"
4-10	PIER 1	EXPANSION	14	1'-1" x 2'-4" x 3⅜"	6 (t= 0.1046")	0.50"	5	0.25"	1	1'-8" x 3'-4" x 2"

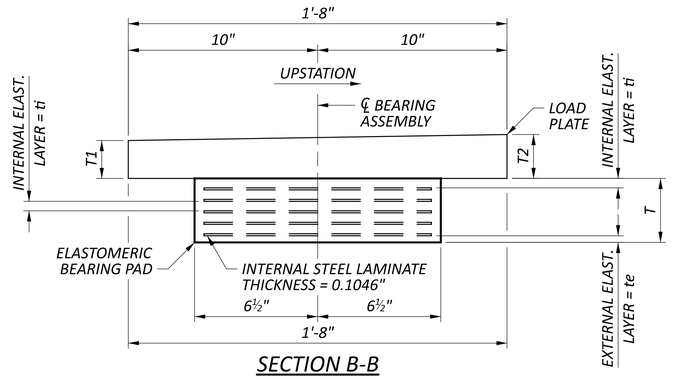
ti = THICKNESS OF INTERNAL LAYER
te = THICKNESS OF EXTERNAL LAYER
T = TOTAL THICKNESS OF ELASTOMERIC BEARING
N = NUMBER OF STEEL LAMINATES
INTERNAL STEEL LAMINATE THICKNESS = 0.1046"

UNFACTORED BEARING LOADS (KIP)	
	PIER 1
DEAD LOAD	219.1
LIVE LOAD	106.2
TOTAL LOAD	325.2

* - LOADS GIVEN IN THE BEARING TABLE ARE SERVICE LOAD AND WITH NO IMPACT.

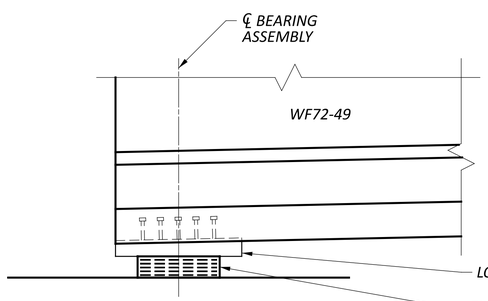


PLAN

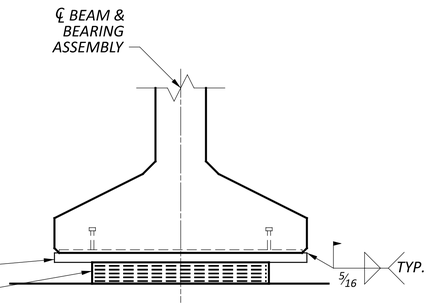


SECTION B-B

FAI-00204-0046 BEVELED STEEL LOAD PLATE HEIGHT (INCH)				
	PIER 1, REAR BRG.		PIER 1, FWD BRG.	
BEAM NO.	T1	T2	T1	T2
1	1⅞"	2⅛"	1⅞"	2⅛"
2	1⅞"	2⅛"	1⅞"	2⅛"
3	1⅞"	2⅛"	1⅞"	2⅛"
4	2"	2"	2"	2"
5	2"	2"	2"	2"
6	2"	2"	2"	2"
7	2"	2"	2"	2"
8	2"	2"	2"	2"
9	2"	2"	2"	2"
10	2"	2"	2"	2"



ELEVATION



SECTION A-A

NOTES:

1. SEE SHEET 15/43 FOR NOTES.

BEARING DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.
DESIGNER BMK | CHECKER DAS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 16 | TOTAL 43
SHEET P.1502 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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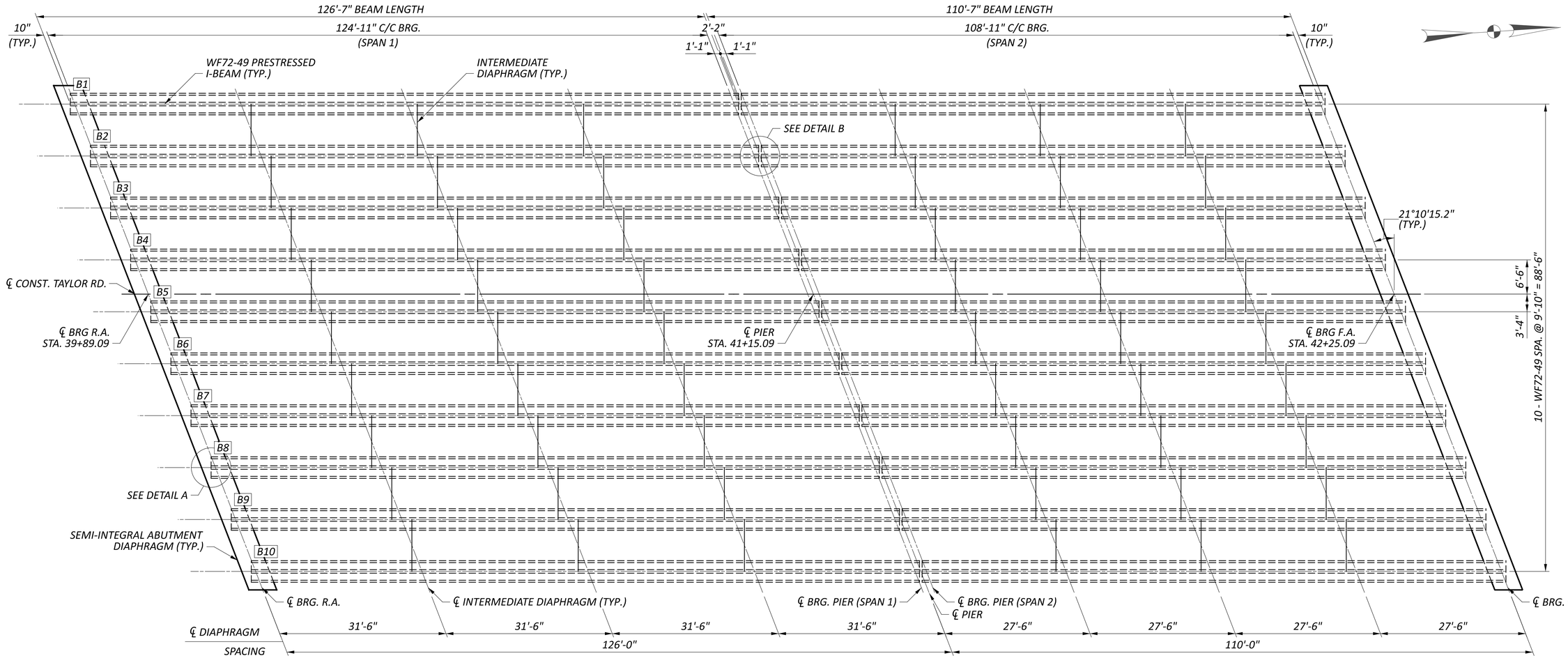
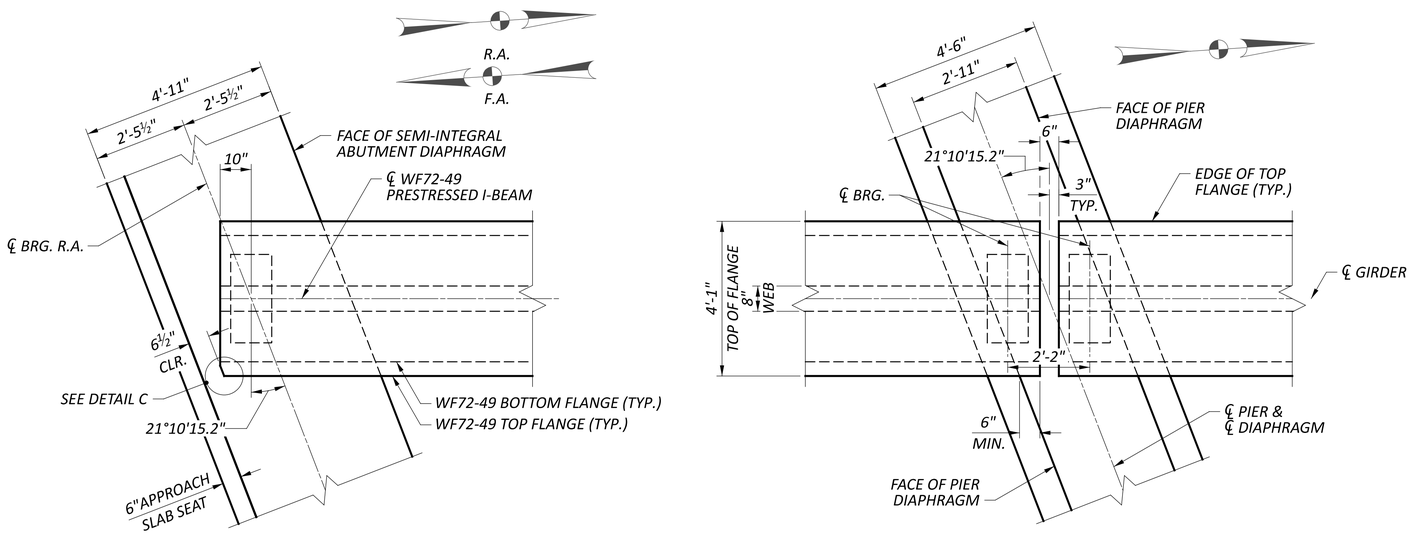


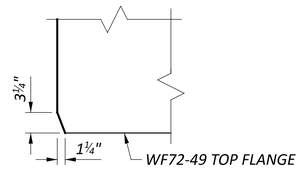
FRAMING PLAN



DETAIL A

R.A. SHOWN, F.A. ROTATED 180°

DETAIL B



DETAIL C

FLANGE CLIP (TOP FLANGE ONLY)

LEGEND

B# - BEAM NUMBER

NOTES:

1. FOR BEAM DETAILS, SEE SHEET 18/43-21/43.
2. INTERMEDIATE DIAPHRAGM SHALL BE STRUCTURAL STEEL. SEE STANDARD DRAWING PSID-1-13 FOR ADDITIONAL DETAILS.

FRAMING PLAN
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	JCS
CHECKER	BMK
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	17
TOTAL	43
SHEET	P.1503
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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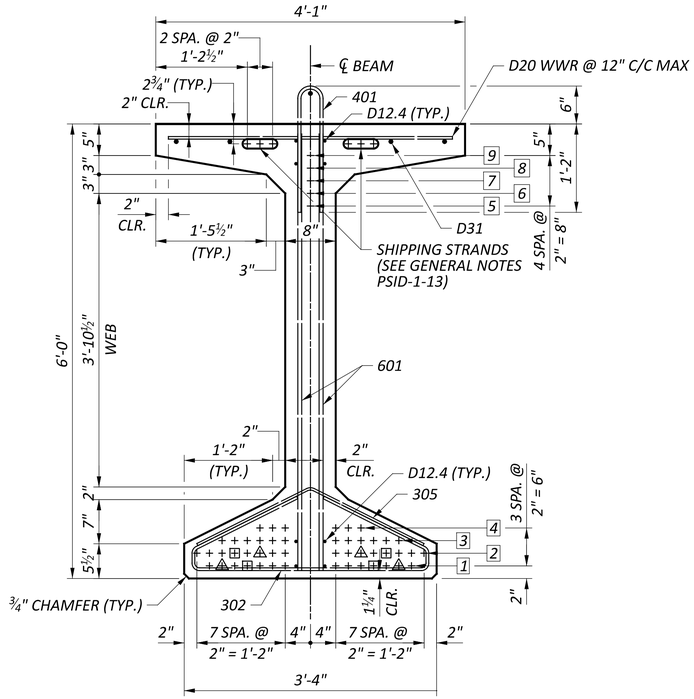
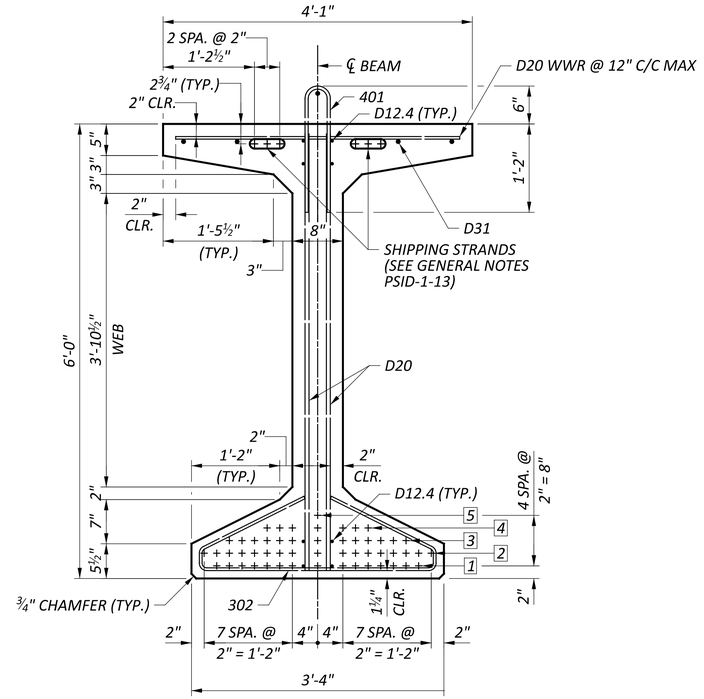


SPAN 1 - BEAM END

WF72-49



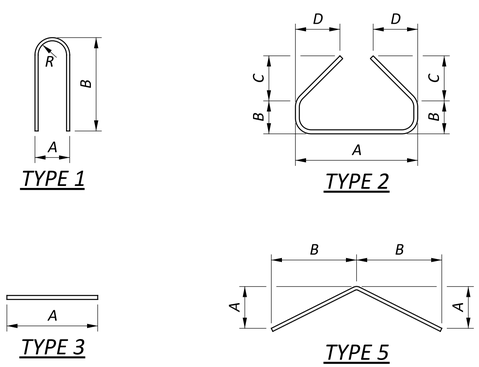
SPAN 1 - MIDSPAN

WF72-49

BEAM STRAND INFORMATION																
BEAM NO.		BEAM END									MIDSPAN					TOTAL
1 - 10	ROW NUMBER #	1	2	3	4	5	6	7	8	9	1	2	3	4	5	
	STRANDS	14	16	12	6	1	1	1	1	1	15	17	13	7	1	53

MARK	TYPE	NUMBER	DIMENSIONS				
			A	B	C	D	R
COMMON TO ALL WF BEAMS							
302	2	173	3'-1½"	3½"	7½"	1'-3"	
305	5	82	9"	1'-6"			
401*	1	154	4"	1'-8"			
601	3	28	5'-8"				

* INDICATES STEEL TO BE EPOXY-COATED.



TYPE 1

TYPE 2

TYPE 3

TYPE 5

BENDING DIAGRAMS

(ALL DIMENSIONS ARE OUT-TO-OUT)

LEGEND

- STRAND ROW

WWR - WELDED WIRE REINFORCEMENT

△ - STRAND DEBONDED 3'-0" EACH END

⊞ - STRAND DEBONDED 7'-0" EACH END

NOTES:

1. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL NOTES AND DETAILS.

SPAN 1 BEAM DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
JCS	BMK

REVIEWER CLB 04-28-25

PROJECT ID 96808

SUBSET	TOTAL
18	43

SHEET	TOTAL
P.1504	P.1556

FAI/LIC-70.0.00/0.00

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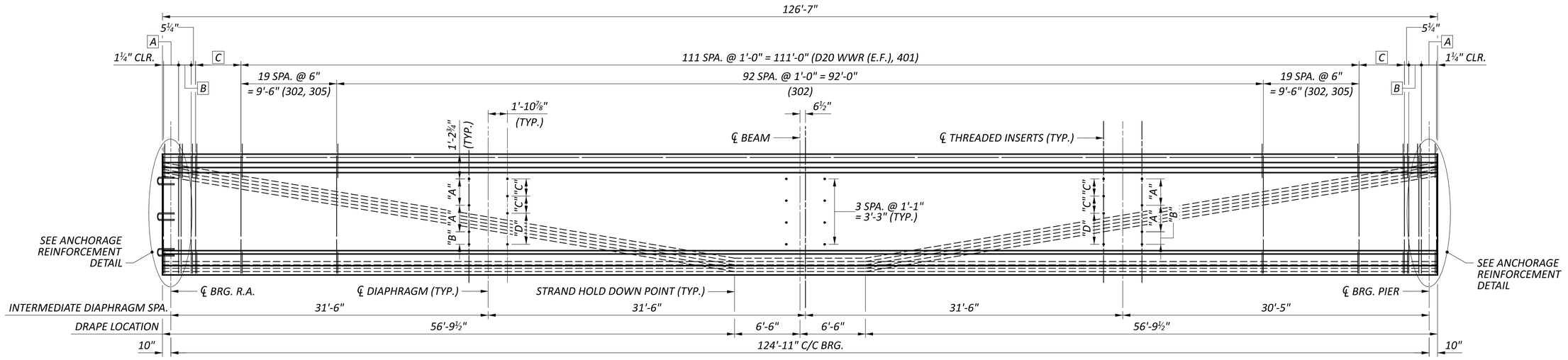
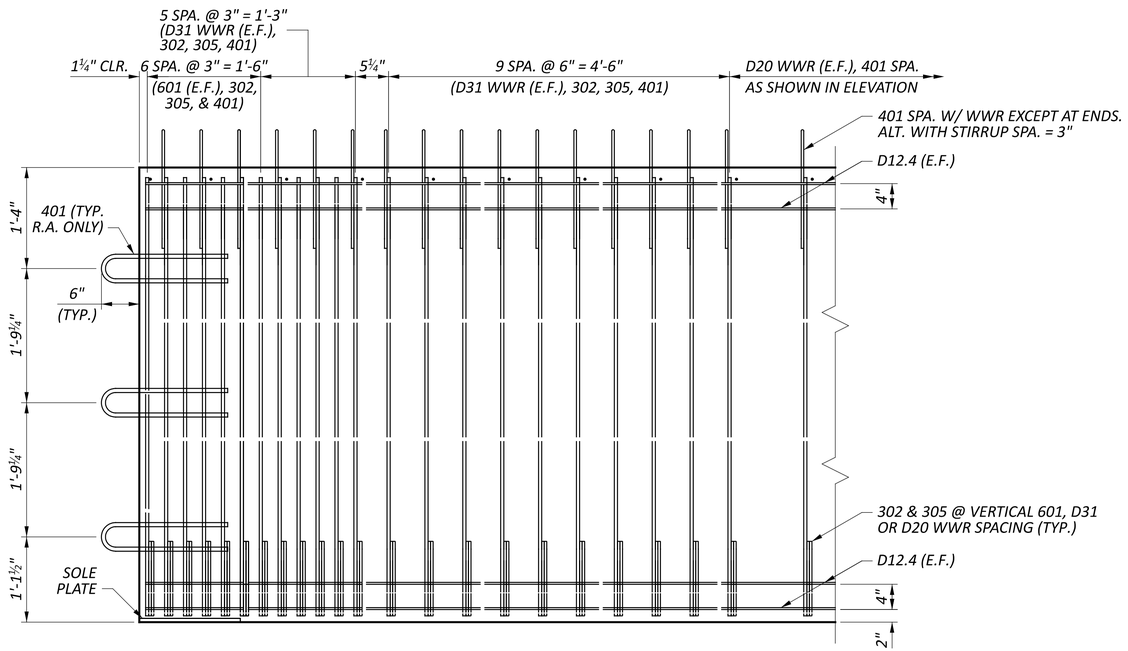


SPAN 1 - BEAM ELEVATION



SPAN 1 - ANCHORAGE REINFORCING DETAIL

STRANDS NOT SHOWN FOR CLARITY

THREADED INSERT INFORMATION				
	DIMENSIONS			
BEAM NO.	A	B	C	D
1 - 10	1'-3¾"	7½"	10¼"	1'-6½"

* THE VERTICAL POSITION OF HOLES FOR INTERMEDIATE DIAPHRAGMS MAY BE ADJUSTED BY UP TO 1" BY THE FABRICATOR TO AVOID DRAPED STRANDS.

LEGEND

A - 6 SPA. @ 3" = 1'-6" (601 (E.F.), 302, 305, & 401)

B - 5 SPA. @ 3" = 1'-3" (D31 WWR (E.F.), 302, 305, & 401)

C - 9 SPA. @ 6" = 4'-6" (D31 WWR (E.F.), 302, 305, & 401)

WWR - WELDED WIRE REINFORCING

NOTES:

1. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL NOTES AND DETAILS.

SPAN 1 BEAM DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
JCS	BMK

REVIEWER: CLB 04-28-25

PROJECT ID: 96808

SUBSET	TOTAL
19	43

SHEET	TOTAL
P.1505	P.1556

FAI/LIC-70.0.00/0.00

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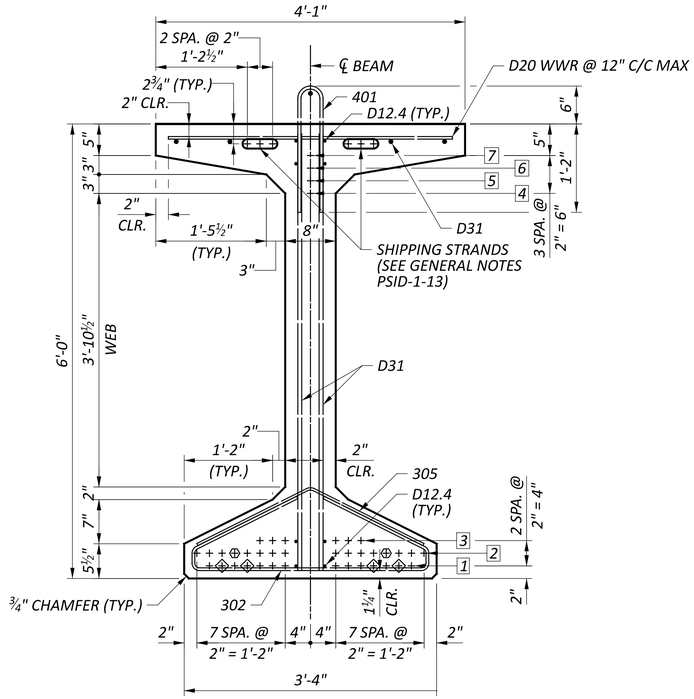
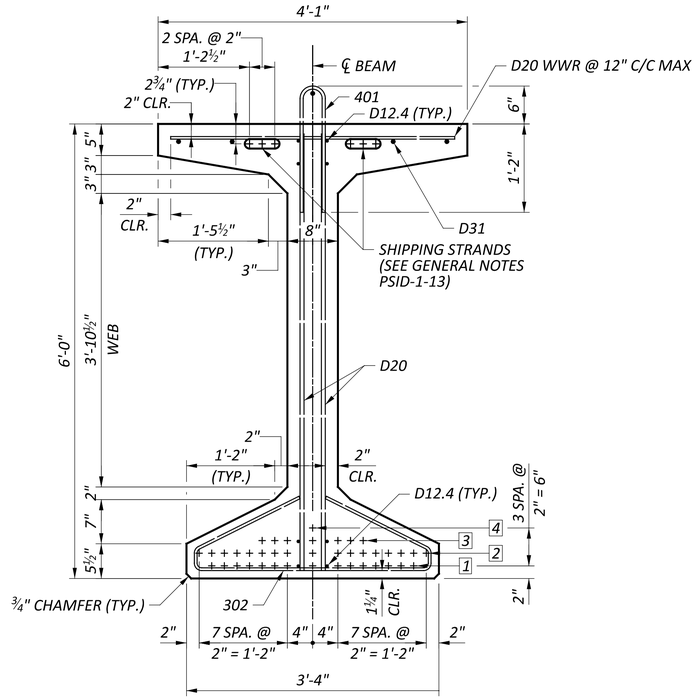


SPAN 2 - BEAM END

WF72-49



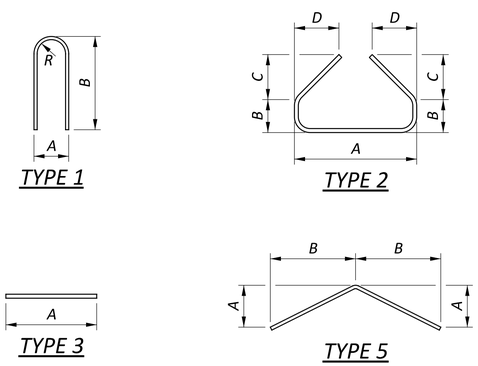
SPAN 2 - MIDSPAN

WF72-49

BEAM STRAND INFORMATION													
BEAM NO.		BEAM END							MIDSPAN				TOTAL
1 - 10	ROW NUMBER #	1	2	3	4	5	6	7	1	2	3	4	
	STRANDS	14	16	6	1	1	1	1	15	17	7	1	40

MARK	TYPE	NUMBER	DIMENSIONS				
			A	B	C	D	R
COMMON TO ALL WF BEAMS							
302	2	159	3'-1½"	3½"	7½"	1'-3"	
305	5	88	9"	1'-6"			
401*	1	133	4"	1'-8"			

* INDICATES STEEL TO BE EPOXY-COATED.



TYPE 1

TYPE 2

TYPE 3

TYPE 5

BENDING DIAGRAMS

(ALL DIMENSIONS ARE OUT-TO-OUT)

LEGEND

- STRAND ROW

WWR - WELDED WIRE REINFORCEMENT

⚠ - STRAND DEBONDED 10'-0" EACH END

⊕ - STRAND DEBONDED 6'-0" EACH END

NOTES:

1. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL NOTES AND DETAILS.

SPAN 2 BEAM DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER JCS | CHECKER BMK

REVIEWER CLB 04-28-25

PROJECT ID 96808

SUBSET 20 | TOTAL 43

SHEET P.1506 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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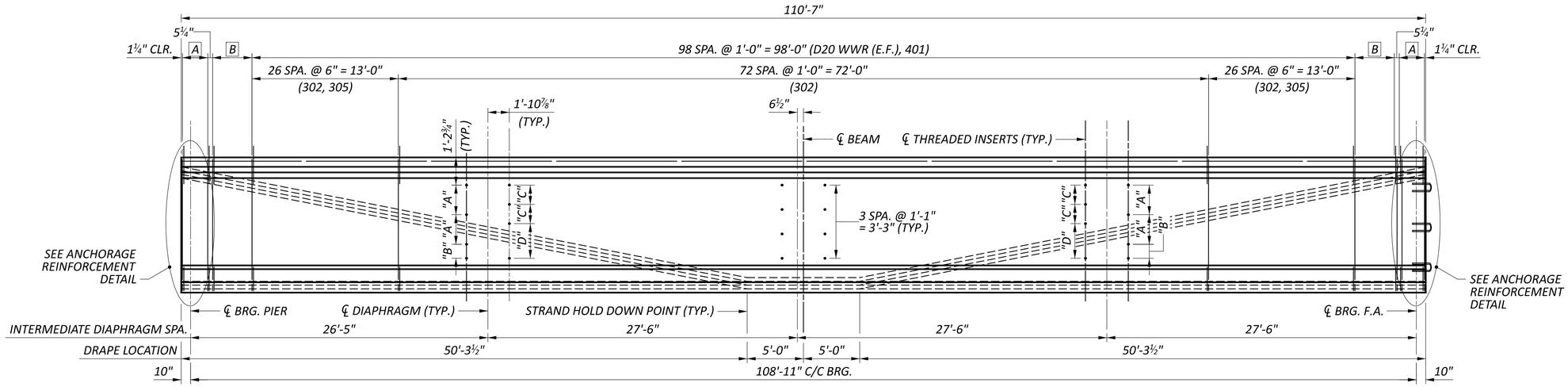
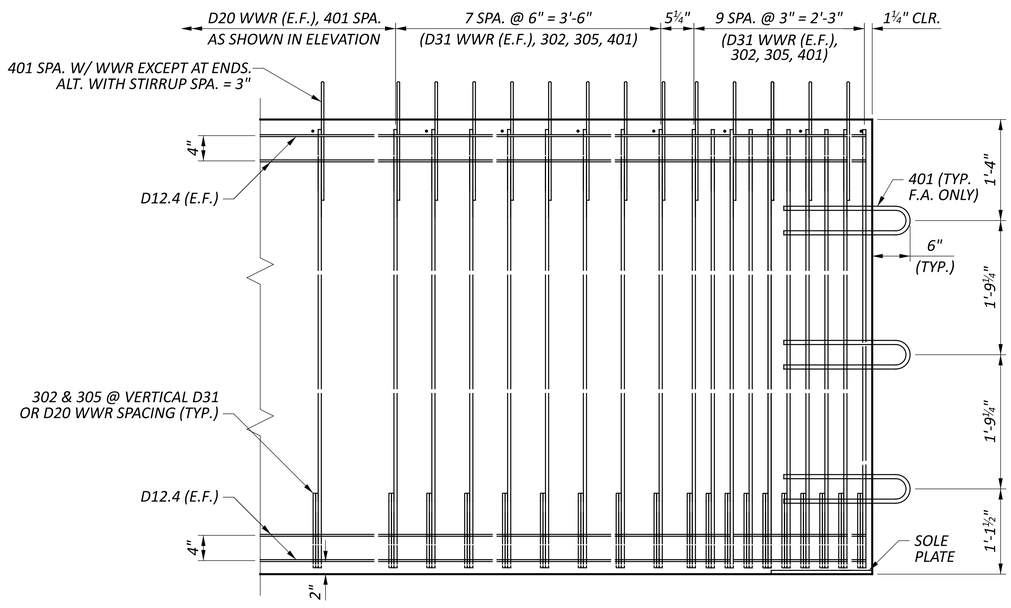


SPAN 2 - BEAM ELEVATION



SPAN 2 - ANCHORAGE REINFORCING DETAIL

STRANDS NOT SHOWN FOR CLARITY

THREADED INSERT INFORMATION				
	DIMENSIONS			
BEAM NO.	A	B	C	D
1 - 10	1'-3¾"	7½"	10¼"	1'-6½"

* THE VERTICAL POSITION OF HOLES FOR INTERMEDIATE DIAPHRAGMS MAY BE ADJUSTED BY UP TO 1" BY THE FABRICATOR TO AVOID DRAPED STRANDS.

LEGEND

A - 9 SPA. @ 3" = 2'-3" (D31 WWR (E.F.), 302, 305, & 401)

B - 7 SPA. @ 6" = 3'-6" (D31 WWR (E.F.), 302, 305, 401)

NOTES:

1. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL NOTES AND DETAILS.

SPAN 2 BEAM DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
JCS	BMK

REVIEWER
CLB 04-28-25

PROJECT ID
96808

SUBSET	TOTAL
21	43

SHEET	TOTAL
P.1507	P.1556

FAI/LIC-70.0.00/0.00

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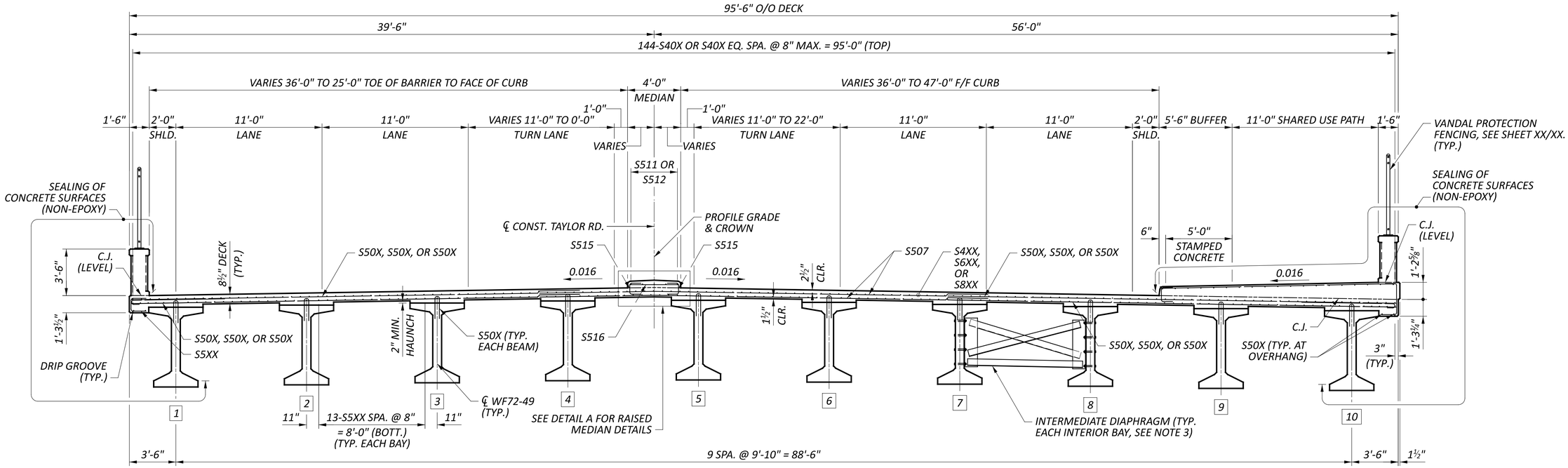
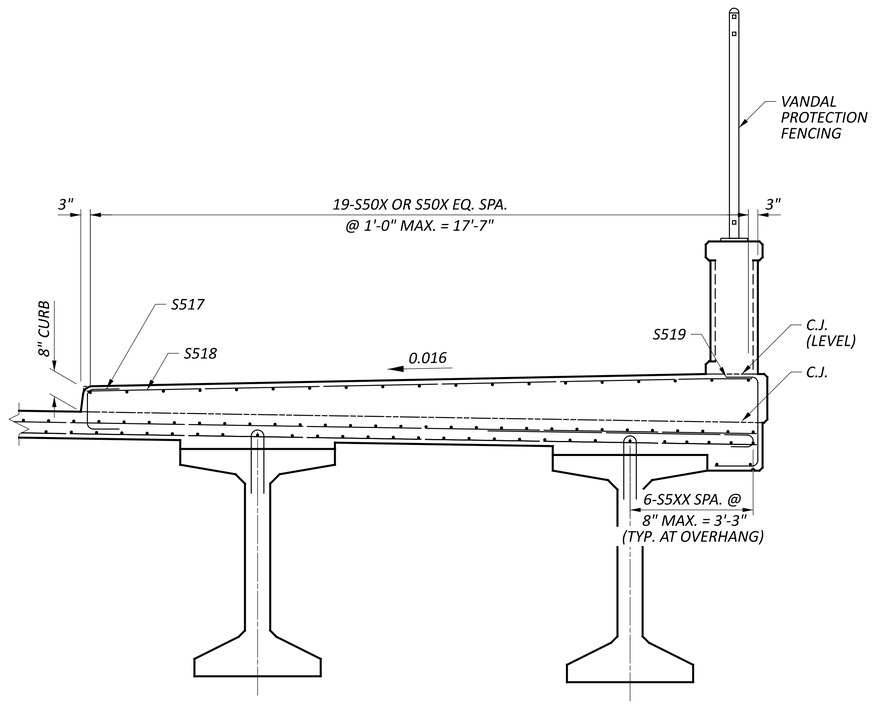
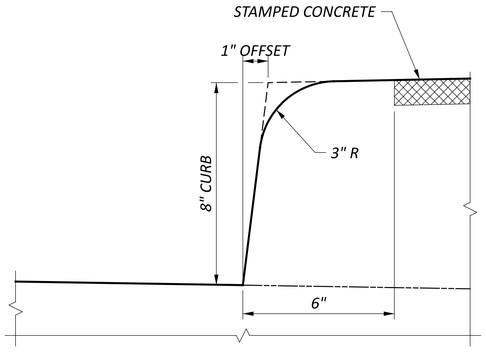


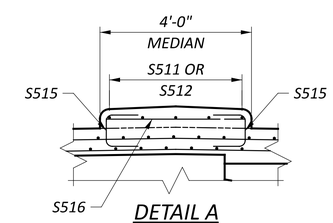
TRANSVERSE SECTION



SIDEWALK SECTION



CURB DETAIL



DETAIL A

SEE SHEET 23/43 FOR LOCATION DETAILS

LEGEND

- BEAM NUMBER

NOTES:

1. SEE SHEET 23/43 FOR DECK SLAB REINFORCEMENT.
2. SEE SHEETS 33/43 AND 34/43 FOR PARAPET DETAILS.
3. INTERMEDIATE DIAPHRAGMS SHALL BE STRUCTURAL STEEL. SEE STANDARD DRAWING PSID-1-13 FOR NOTES AND DETAILS.
4. DECK SLAB THICKNESS FOR CONCRETE QUANTITY: THE ESTIMATED QUANTITY OF DECK CONCRETE IS MEASURED ACCORDING TO C&MS 511. IN ADDITION TO THE DESIGN SLAB THICKNESS, THE QUANTITY INCLUDES A VARIABLE HAUNCH THICKNESS THE PROVIDES AN ALLOWANCE FOR BEAM CAMBER AND ADDITIONAL SACRIFICIAL HAUNCH THICKNESS.
5. DO NOT PLACE THE DECK CONCRETE UNTIL ALL INTERMEDIATE DIAPHRAGMS HAVE BEEN PROPERLY INSTALLED.

TRANSVERSE SECTION
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	JCS
CHECKER	BMK
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	22
TOTAL	43
SHEET	P.1508
TOTAL	P.1556

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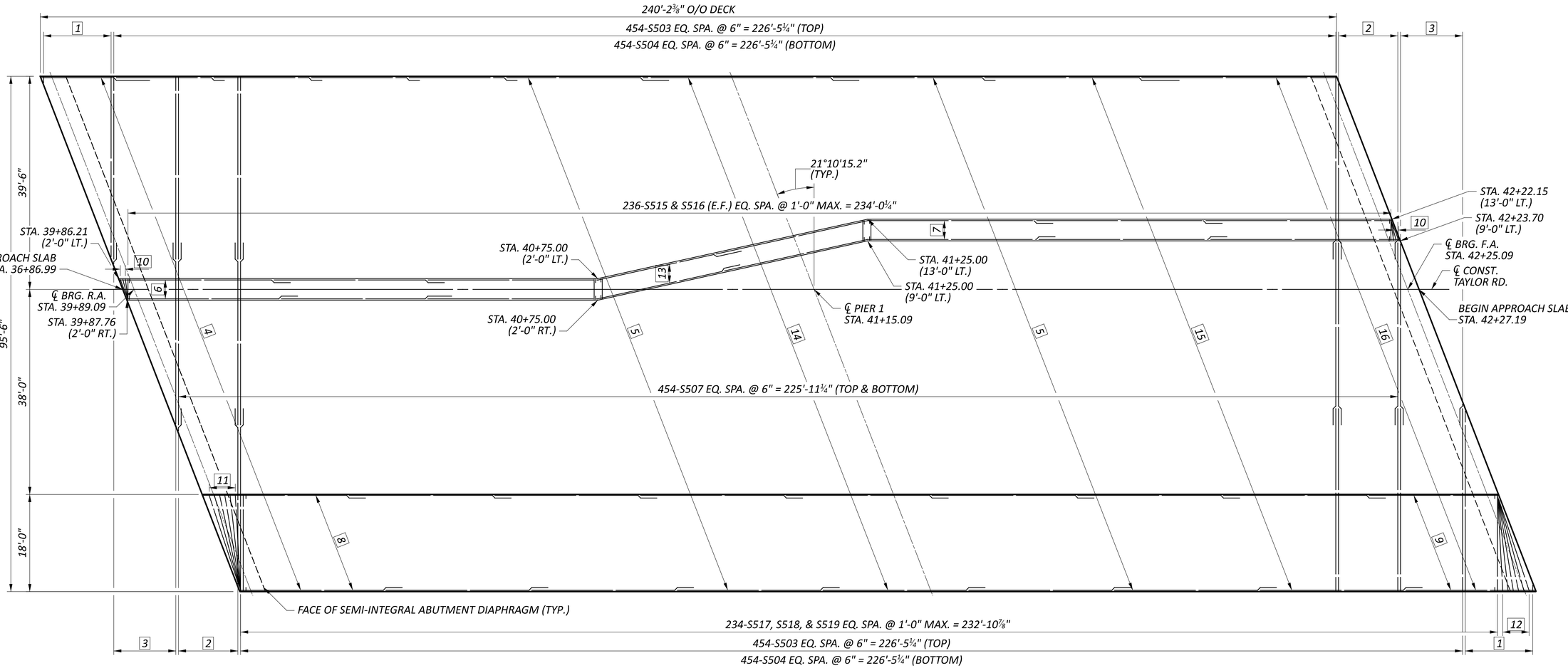


DECK PLAN

LEGEND

1 - 26-SER. S501 SPA. @ 6" MAX. = 12'-6" (TOP)
26-SER. S502 SPA. @ 6" MAX. = 12'-6" (BOTTOM)

2 - 23-SER. S505 SPA. @ 6" MAX. = 11'-0" (TOP)
23-SER. S506 SPA. @ 6" MAX. = 11'-0" (BOTTOM)

3 - 24-SER. S507 SPA. @ 6" MAX. = 11'-6" (TOP)
24-SER. S508 SPA. @ 6" MAX. = 11'-6" (BOTTOM)

4 - 96-S401 SPA. @ 1'-0" MAX. = 95'-0" (5 SETS) (TOP)
191-S509 SPA. @ 6" MAX. = 95'-0" (8 SETS) (BOTTOM)

5 - 287-S601 SPA. @ 4" MAX. = 95'-0" (TOP)

6 - 4-S511 EQ. SPA. @ 1'-0" MAX. = 3'-6" (3 SETS, MEDIAN CURB)

7 - 4-S512 EQ. SPA. @ 1'-0" MAX. = 3'-6" (3 SETS, MEDIAN CURB)

8 - 19-S513 EQ. SPA. @ 1'-0" MAX. = 17'-7" (8 SETS)

9 - 19-S514 EQ. SPA. @ 1'-0" MAX. = 17'-7"

10 - 3-S515 & S516 (E.F.) (FANNED) (MEDIAN CURB)

11 - 3-S517 & S518 (FANNED)

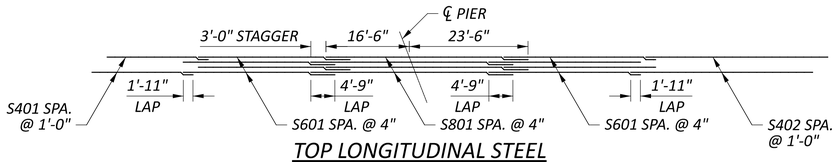
12 - 3-S517 & S519 (FANNED)

13 - 4-S520 EQ. SPA. @ 1'-0" MAX. = 3'-6" (2 SETS, MEDIAN CURB)

14 - 287-S801 SPA. @ 4" MAX. = 95'-0" (TOP)

15 - 96-S402 SPA. @ 1'-0" MAX. = 95'-0" (5 SETS) (TOP)

16 - 191-S510 SPA. @ 6" MAX. = 95'-0" (BOTTOM)



TOP LONGITUDINAL STEEL

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#8	4'-9"

NOTES:

1. SEE SHEETS 33/43 AND 34/43 FOR PARAPET DETAILS.

DECK PLAN
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT
DESIGNER ACM | CHECKER JCS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 23 | TOTAL 43
SHEET P.1509 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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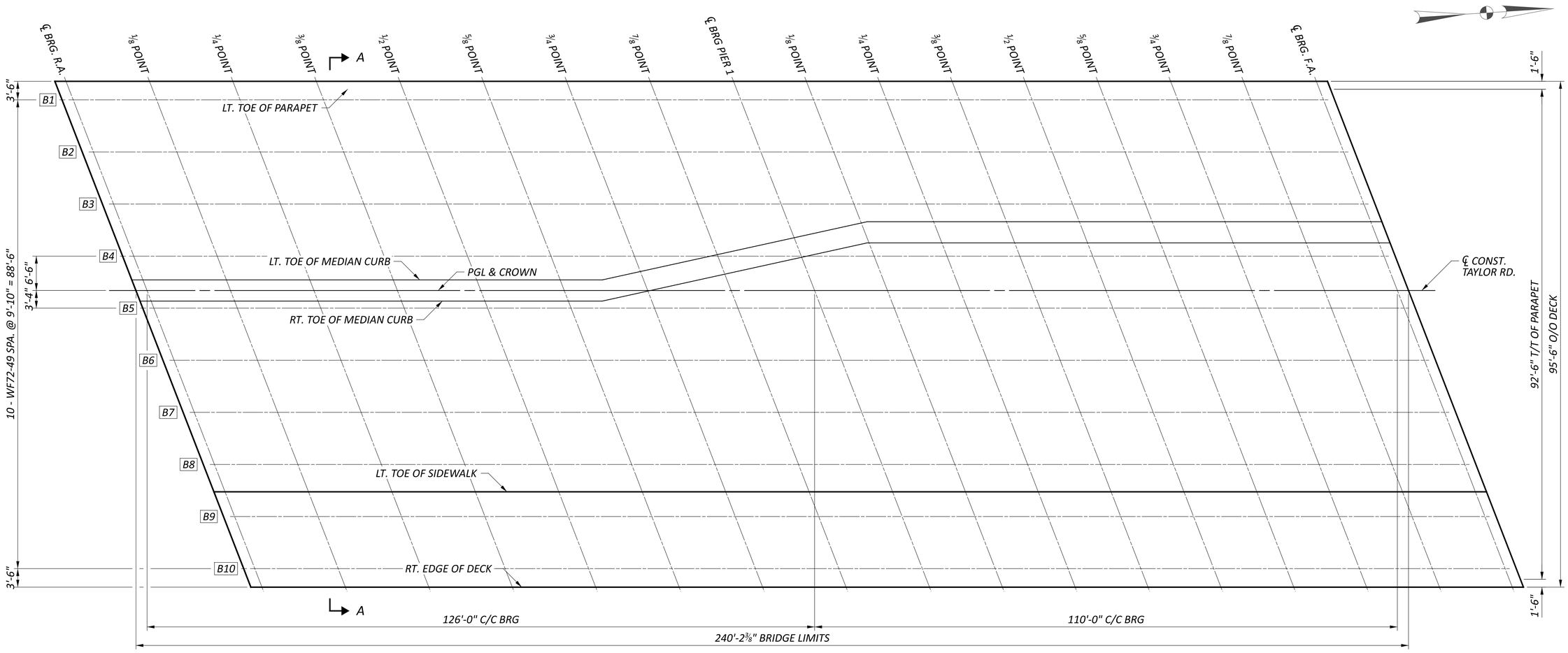
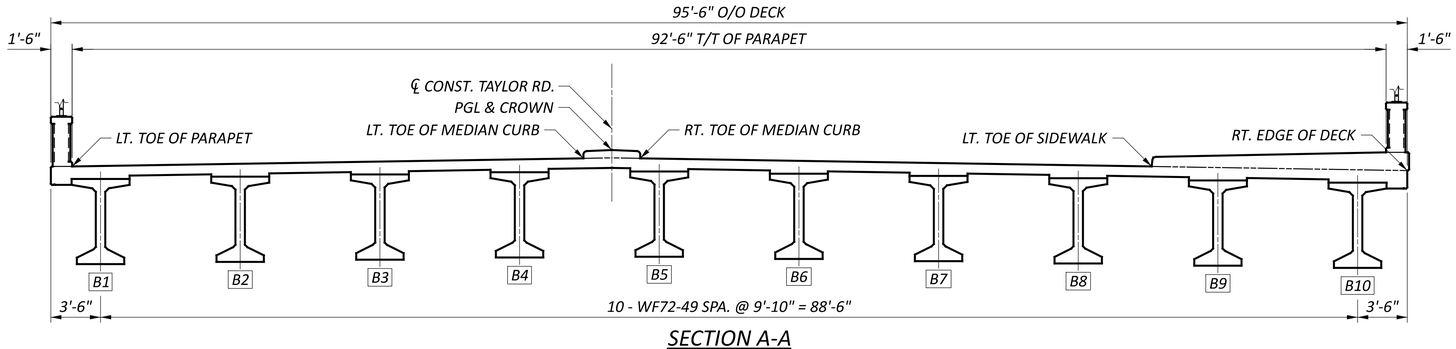


SCREED LAYOUT PLAN



SECTION A-A

LEGEND

B# - BEAM NUMBER

NOTES:

1. SEE SHEET 25/43 AND 26/43 FOR SCREED ELEVATIONS

SCREED DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	DAS
CHECKER	BMK
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	24
TOTAL	43
SHEET	P.1510
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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SCREED LINE \ DESCRIPTION		℄ BRG. R.A.	⅛ POINT	¼ POINT	⅜ POINT	½ POINT	⅝ POINT	¾ POINT	⅞ POINT	℄ PIER 1
SPAN 1 SCREED ELEVATIONS										
LT. TOE OF PARAPET	STATION	39+74.37	39+90.12	40+05.87	40+21.62	40+37.37	40+53.12	40+68.87	40+84.62	41+00.37
	F.D.S. ELEV.	957.28	957.78	958.24	958.66	959.04	959.38	959.67	959.93	960.15
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	SCREED ELEV.	957.28	957.83	958.34	958.79	959.18	959.51	959.78	959.99	960.15
LT. TOE OF MEDIAN CURB	STATION	39+88.31	40+04.06	40+19.81	40+35.56	40+51.31	40+67.06	40+82.20	40+96.71	41+11.23
	F.D.S. ELEV.	958.30	958.76	959.19	959.57	959.91	960.22	960.45	960.60	960.72
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	SCREED ELEV.	958.30	958.82	959.29	959.71	960.06	960.35	960.55	960.66	960.72
PGL & CROWN	STATION	39+89.09	40+04.84	40+20.59	40+36.34	40+52.09	40+67.84	40+83.59	40+99.34	41+15.09
	F.D.S. ELEV.	958.36	958.82	959.24	959.62	959.96	960.26	960.52	960.74	960.92
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	SCREED ELEV.	958.36	958.87	959.34	959.75	960.11	960.40	960.63	960.80	960.92
RT. TOE OF MEDIAN CURB	STATION	39+89.86	40+05.61	40+21.36	40+37.11	40+52.86	40+68.61	40+83.63	40+98.14	41+12.65
	F.D.S. ELEV.	958.35	958.81	959.23	959.61	959.95	960.25	960.52	960.68	960.80
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	SCREED ELEV.	958.35	958.86	959.33	959.74	960.09	960.38	960.62	960.73	960.80
LT. TOE OF SIDEWALK	STATION	40+03.81	40+19.56	40+35.31	40+51.06	40+66.81	40+82.56	40+98.31	41+14.06	41+29.81
	F.D.S. ELEV.	958.18	958.61	958.99	959.33	959.64	959.90	960.12	960.31	960.45
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	SCREED ELEV.	958.18	958.66	959.09	959.47	959.78	960.03	960.23	960.36	960.45
RT. EDGE OF DECK	STATION	40+10.78	40+26.53	40+42.28	40+58.03	40+73.78	40+89.53	41+05.28	41+21.03	41+36.78
	F.D.S. ELEV.	958.09	958.49	958.86	959.18	959.47	959.72	959.92	960.09	960.21
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	SCREED ELEV.	958.09	958.55	958.96	959.32	959.62	959.85	960.02	960.14	960.21
SPAN 1 TOP OF HAUNCH ELEVATIONS										
BEAM 1	STATION	39+75.15	39+90.90	40+06.65	40+22.40	40+38.15	40+53.90	40+69.65	40+85.40	41+01.15
	F.D.S. ELEV.	957.34	957.84	958.29	958.71	959.09	959.42	959.72	959.98	960.19
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	956.63	957.18	957.69	958.13	958.52	958.85	959.11	959.32	959.48
BEAM 2	STATION	39+78.95	39+94.70	40+10.45	40+26.20	40+41.95	40+57.70	40+73.45	40+89.20	41+04.95
	F.D.S. ELEV.	957.62	958.11	958.55	958.96	959.33	959.66	959.94	960.19	960.39
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	956.91	957.45	957.95	958.39	958.77	959.08	959.34	959.53	959.69
BEAM 3	STATION	39+82.76	39+98.51	40+14.26	40+30.01	40+45.76	40+61.51	40+77.26	40+93.01	41+08.76
	F.D.S. ELEV.	957.90	958.38	958.81	959.21	959.57	959.89	960.16	960.40	960.60
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.19	957.72	958.21	958.64	959.01	959.31	959.56	959.75	959.89
BEAM 4	STATION	39+86.57	40+02.32	40+18.07	40+33.82	40+49.57	40+65.32	40+81.07	40+96.82	41+12.57
	F.D.S. ELEV.	958.17	958.64	959.07	959.46	959.81	960.11	960.38	960.61	960.79
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.47	957.99	958.46	958.88	959.24	959.54	959.77	959.95	960.09
BEAM 5	STATION	39+90.38	40+06.13	40+21.88	40+37.63	40+53.38	40+69.13	40+84.88	41+00.63	41+16.38
	F.D.S. ELEV.	958.34	958.80	959.22	959.60	959.94	960.23	960.49	960.71	960.88
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.63	958.15	958.61	959.02	959.37	959.66	959.88	960.05	960.18
BEAM 6	STATION	39+94.19	40+09.94	40+25.69	40+41.44	40+57.19	40+72.94	40+88.69	41+04.44	41+20.19
	F.D.S. ELEV.	958.30	958.75	959.16	959.53	959.85	960.14	960.39	960.60	960.76
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.59	958.09	958.55	958.95	959.29	959.57	959.78	959.94	960.06
BEAM 7	STATION	39+98.00	40+13.75	40+29.50	40+45.25	40+61.00	40+76.75	40+92.50	41+08.25	41+24.00
	F.D.S. ELEV.	958.25	958.69	959.09	959.45	959.77	960.05	960.29	960.48	960.64
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.55	958.04	958.49	958.88	959.21	959.47	959.68	959.83	959.93
BEAM 8	STATION	40+01.80	40+17.55	40+33.30	40+49.05	40+64.80	40+80.55	40+96.30	41+12.05	41+27.80
	F.D.S. ELEV.	958.21	958.64	959.03	959.37	959.68	959.95	960.18	960.37	960.52
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.50	957.98	958.42	958.80	959.12	959.38	959.57	959.71	959.81
BEAM 9	STATION	40+05.61	40+21.36	40+37.11	40+52.86	40+68.61	40+84.36	41+00.11	41+15.86	41+31.61
	F.D.S. ELEV.	958.16	958.58	958.96	959.30	959.59	959.85	960.07	960.25	960.39
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.45	957.92	958.35	958.72	959.03	959.28	959.47	959.60	959.68
BEAM 10	STATION	40+09.42	40+25.17	40+40.92	40+56.67	40+72.42	40+88.17	41+03.92	41+19.67	41+35.42
	F.D.S. ELEV.	958.11	958.52	958.88	959.21	959.50	959.75	959.96	960.13	960.26
	DEFLECTION	0.00	0.05	0.10	0.13	0.15	0.13	0.10	0.05	0.00
	T.O.H. ELEV.	957.40	957.86	958.28	958.64	958.94	959.18	959.35	959.48	959.55

NOTES:

1. *SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
2. *TOP OF HAUNCH (T.O.H.) ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
3. *FINAL DECK SURFACE (F.D.S.) ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.*

SCREED DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER BMK
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 25 | TOTAL 43
SHEET P.1511 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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SCREED LINE \ DESCRIPTION		℄ PIER 1	1/8 POINT	1/4 POINT	3/8 POINT	1/2 POINT	5/8 POINT	3/4 POINT	7/8 POINT	℄ BRG. F.A.
SPAN 2 SCREED ELEVATIONS TABLE										
LT. TOE OF PARAPET	STATION	41+00.37	41+14.12	41+27.87	41+41.62	41+55.37	41+69.12	41+82.87	41+96.62	42+10.37
	F.D.S. ELEV.	960.15	960.31	960.43	960.53	960.59	960.63	960.63	960.61	960.55
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	SCREED ELEV.	960.15	960.34	960.49	960.61	960.68	960.71	960.69	960.64	960.55
LT. TOE OF MEDIAN CURB	STATION	41+11.23	41+23.90	41+37.55	41+51.30	41+65.05	41+78.80	41+92.55	42+06.30	42+20.05
	F.D.S. ELEV.	960.72	960.80	960.90	960.98	961.02	961.04	961.02	960.97	960.89
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	SCREED ELEV.	960.72	960.84	960.96	961.06	961.11	961.11	961.08	961.00	960.89
PGL & CROWN	STATION	41+15.09	41+28.84	41+42.59	41+56.34	41+70.09	41+83.84	41+97.59	42+11.34	42+25.09
	F.D.S. ELEV.	960.92	961.05	961.14	961.21	961.24	961.24	961.21	961.15	961.06
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	SCREED ELEV.	960.92	961.08	961.20	961.28	961.32	961.32	961.27	961.18	961.06
RT. TOE OF MEDIAN CURB	STATION	41+12.65	41+25.35	41+39.10	41+52.85	41+66.60	41+80.35	41+94.10	42+07.85	42+21.60
	F.D.S. ELEV.	960.80	960.88	960.98	961.05	961.09	961.10	961.08	961.03	960.94
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	SCREED ELEV.	960.80	960.91	961.04	961.13	961.17	961.18	961.14	961.06	960.94
LT. TOE OF SIDEWALK	STATION	41+29.81	41+43.56	41+57.31	41+71.06	41+84.81	41+98.56	42+12.31	42+26.06	42+39.81
	F.D.S. ELEV.	960.45	960.54	960.60	960.63	960.63	960.60	960.54	960.45	960.32
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	SCREED ELEV.	960.45	960.57	960.66	960.71	960.72	960.68	960.60	960.48	960.32
RT. EDGE OF DECK	STATION	41+36.78	41+50.53	41+64.28	41+78.03	41+91.78	42+05.53	42+19.28	42+33.03	42+46.78
	F.D.S. ELEV.	960.21	960.29	960.33	960.35	960.33	960.28	960.21	960.10	959.96
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	SCREED ELEV.	960.21	960.32	960.39	960.42	960.42	960.36	960.27	960.13	959.96
SPAN 2 TOP OF HAUNCH ELEVATIONS TABLE										
BEAM 1	STATION	41+01.15	41+14.90	41+28.65	41+42.40	41+56.15	41+69.90	41+83.65	41+97.40	42+11.15
	F.D.S. ELEV.	960.19	960.35	960.47	960.57	960.63	960.66	960.66	960.64	960.58
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.48	959.67	959.82	959.93	960.01	960.03	960.01	959.96	959.87
BEAM 2	STATION	41+04.95	41+18.70	41+32.45	41+46.20	41+59.95	41+73.70	41+87.45	42+01.20	42+14.95
	F.D.S. ELEV.	960.39	960.54	960.66	960.74	960.80	960.82	960.82	960.78	960.71
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.69	959.86	960.01	960.11	960.17	960.19	960.17	960.10	960.00
BEAM 3	STATION	41+08.76	41+22.51	41+36.26	41+50.01	41+63.76	41+77.51	41+91.26	42+05.01	42+18.76
	F.D.S. ELEV.	960.60	960.73	960.84	960.92	960.97	960.98	960.97	960.92	960.85
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.89	960.06	960.19	960.29	960.34	960.35	960.32	960.24	960.14
BEAM 4	STATION	41+12.57	41+26.32	41+40.07	41+53.82	41+67.57	41+81.32	41+95.07	42+08.82	42+22.57
	F.D.S. ELEV.	960.79	960.92	961.02	961.09	961.13	961.14	961.11	961.06	960.98
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	960.09	960.25	960.37	960.46	960.51	960.51	960.46	960.38	960.27
BEAM 5	STATION	41+16.38	41+30.13	41+43.88	41+57.63	41+71.38	41+85.13	41+98.88	42+12.63	42+26.38
	F.D.S. ELEV.	960.88	961.01	961.10	961.16	961.19	961.19	961.15	961.09	961.00
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	960.18	960.33	960.45	960.53	960.56	960.55	960.50	960.41	960.29
BEAM 6	STATION	41+20.19	41+33.94	41+47.69	41+61.44	41+75.19	41+88.94	42+02.69	42+16.44	42+30.19
	F.D.S. ELEV.	960.76	960.88	960.96	961.01	961.03	961.02	960.98	960.91	960.81
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	960.06	960.20	960.31	960.38	960.41	960.39	960.33	960.23	960.10
BEAM 7	STATION	41+24.00	41+37.75	41+51.50	41+65.25	41+79.00	41+92.75	42+06.50	42+20.25	42+34.00
	F.D.S. ELEV.	960.64	960.75	960.82	960.86	960.88	960.86	960.81	960.73	960.62
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.93	960.07	960.17	960.23	960.25	960.23	960.16	960.05	959.91
BEAM 8	STATION	41+27.80	41+41.55	41+55.30	41+69.05	41+82.80	41+96.55	42+10.30	42+24.05	42+37.80
	F.D.S. ELEV.	960.52	960.61	960.68	960.71	960.72	960.69	960.63	960.54	960.43
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.81	959.93	960.03	960.08	960.09	960.06	959.98	959.87	959.72
BEAM 9	STATION	41+31.61	41+45.36	41+59.11	41+72.86	41+86.61	42+00.36	42+14.11	42+27.86	42+41.61
	F.D.S. ELEV.	960.39	960.48	960.53	960.56	960.55	960.52	960.45	960.36	960.23
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.68	959.80	959.88	959.93	959.93	959.89	959.80	959.68	959.52
BEAM 10	STATION	41+35.42	41+49.17	41+62.92	41+76.67	41+90.42	42+04.17	42+17.92	42+31.67	42+45.42
	F.D.S. ELEV.	960.26	960.34	960.39	960.40	960.39	960.35	960.27	960.17	960.03
	DEFLECTION	0.00	0.03	0.06	0.08	0.08	0.08	0.06	0.03	0.00
	T.O.H. ELEV.	959.55	959.66	959.74	959.77	959.77	959.72	959.62	959.49	959.32

NOTES:

1. *SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
2. *TOP OF HAUNCH (T.O.H.) ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.*
3. *FINAL DECK SURFACE (F.D.S.) ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURED.*

SCREED DETAILS - 3
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER DAS | CHECKER BMK
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 26 | TOTAL 43
SHEET P.1512 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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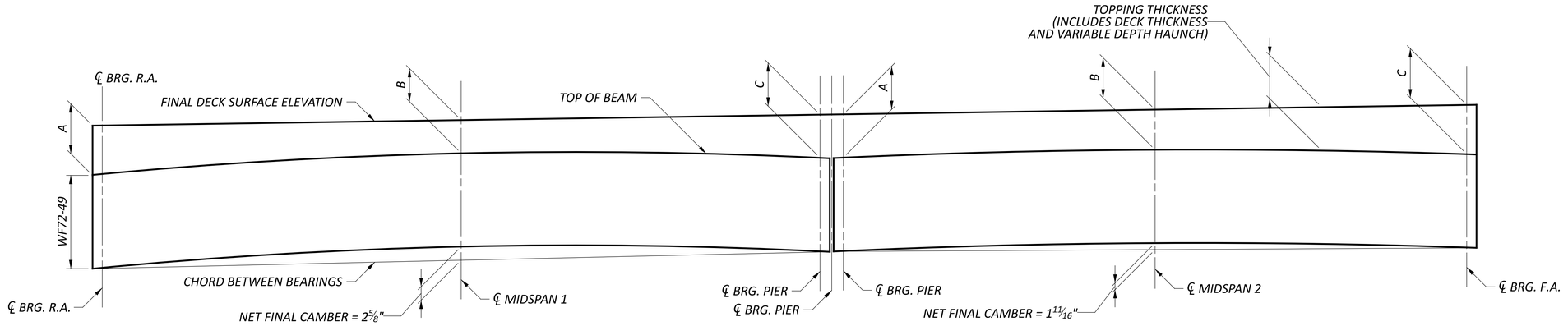

CAMBER DIAGRAM

FAI-00204-0046 TOPPING THICKNESS						
LOCATION	SPAN 1			SPAN 2		
	DIM "A"	DIM "B"	DIM "C"	DIM "A"	DIM "B"	DIM "C"
BEAM 1	10 7/8"	1' - 0 1/16"	10 7/8"	11 3/16"	1' - 0 1/4"	10 7/8"
BEAM 2	10 7/8"	1' - 0 1/16"	10 7/8"	11 3/16"	1' - 0 1/4"	10 7/8"
BEAM 3	10 7/8"	1' - 0 1/16"	10 7/8"	11 3/16"	1' - 0 1/4"	10 7/8"
BEAM 4	10 7/8"	1' - 0 1/16"	10 7/8"	11 3/16"	1' - 0 1/4"	10 7/8"
BEAM 5	10 7/8"	1' - 0 1/16"	10 7/8"	11 1/8"	1' - 0 1/4"	10 7/8"
BEAM 6	10 7/8"	1' - 0 1/16"	10 7/8"	11 1/8"	1' - 0 1/4"	10 7/8"
BEAM 7	10 7/8"	1' - 0 1/16"	10 7/8"	11 1/8"	1' - 0 3/16"	10 7/8"
BEAM 8	10 7/8"	1' - 0 1/16"	10 7/8"	11 1/8"	1' - 0 3/16"	10 7/8"
BEAM 9	10 7/8"	1' - 0 1/16"	10 7/8"	11 1/16"	1' - 0 3/16"	10 7/8"
BEAM 10	10 7/8"	1' - 0 1/16"	10 7/8"	11 1/16"	1' - 0 3/16"	10 7/8"

NOTES:

1. DECK SLAB THICKNESS FOR CONCRETE QUANTITY: THE ESTIMATED QUANTITY OF DECK CONCRETE IS MEASURED ACCORDING TO C&MS 511. IN ADDITION TO THE DESIGN SLAB THICKNESS, THE QUANTITY INCLUDES A VARIABLE HAUNCH THICKNESS THAT PROVIDES AN ALLOWANCE FOR: VERTICAL GRADE ADJUSTMENT, BEAM CAMBER AND ADDITIONAL SACRIFICIAL HAUNCH THICKNESS.

2. ESTIMATED CAMBER AT DAY 0 (D0) IS 0.93 INCHES.
ESTIMATED CAMBER AT DAY 30 (D30) IS 2.66 INCHES.
DEFLECTION DUE TO REMAINING DEAD LOAD (E.G. CONCRETE DECK, DIAPHRAGMS, BRIDGE RAILINGS, UTILITIES ETC.) IS 1.75 INCHES.
THE BEAM SEAL ELEVATIONS ASSUME ESTIMATED CAMBER D30 WITH A SACRIFICIAL HAUNCH THICKNESS OF 2 INCHES.

3. ESTIMATED CAMBER AT DAY 0 (D0) IS 0.62 INCHES.
ESTIMATED CAMBER AT DAY 30 (D30) IS 1.68 INCHES.
DEFLECTION DUE TO REMAINING DEAD LOAD (E.G. CONCRETE DECK, DIAPHRAGMS, BRIDGE RAILINGS, UTILITIES ETC.) IS 1.01 INCHES.
THE BEAM SEAL ELEVATIONS ASSUME ESTIMATED CAMBER D30 WITH A SACRIFICIAL HAUNCH THICKNESS OF 2 INCHES.

BEAM CAMBER DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	CHECKER
DAS	BMK

REVIEWER: CLB 04-28-25

PROJECT ID: 96808

SUBSET	TOTAL
27	43

SHEET	TOTAL
P.1513	P.1556

FAI/LIC-70.0.00/0.00

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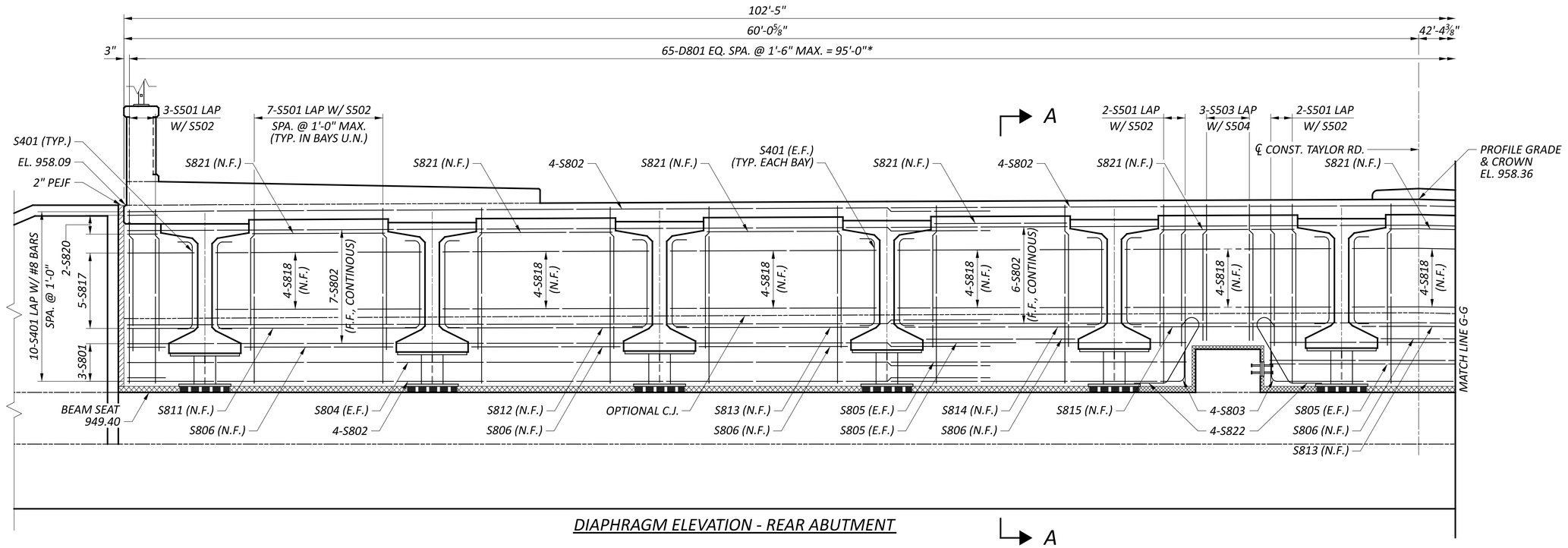
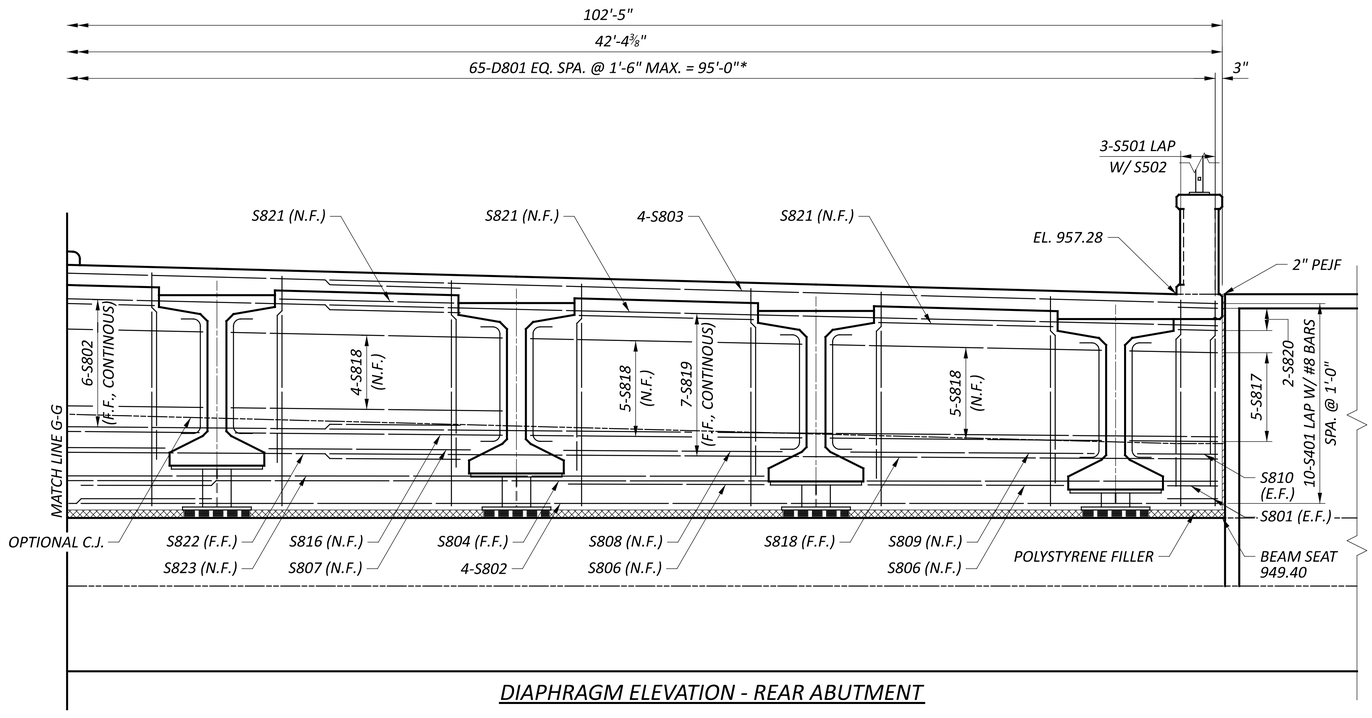


DIAPHRAGM ELEVATION - REAR ABUTMENT



DIAPHRAGM ELEVATION - REAR ABUTMENT

MINIMUM BAR LAP	
#5	2'-5"
#8	5'-4"

LEGEND

* - MEASUREMENT PERPENDICULAR TO ℄ TAYLOR ROAD. BARS SHALL BE PLACED PARALLEL TO ℄ TAYLOR ROAD.

NOTES:

1. SEE SHEET 30/43 FOR SECTION A-A.
2. SEE SHEET 11/43 FOR DIAPHRAGM GUIDE DETAILS.
3. PLACE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED IT'S INITIAL SET.
4. TOP OF DIAPHRAGM ELEVATIONS ARE GIVEN AT ℄ BEARINGS.
5. TOP OF DIAPHRAGM GRADE BREAKS TO ALIGN WITH TOP OF DECK GRADE BREAKS.
6. SEE STD. DWG. PSID1-13 FOR ADDITIONAL NOTES AND DETAILS.

REAR ABUMENT DIAPHRAGM
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT
DESIGNER JCS | CHECKER DAS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 28 | TOTAL 43
SHEET P.1514 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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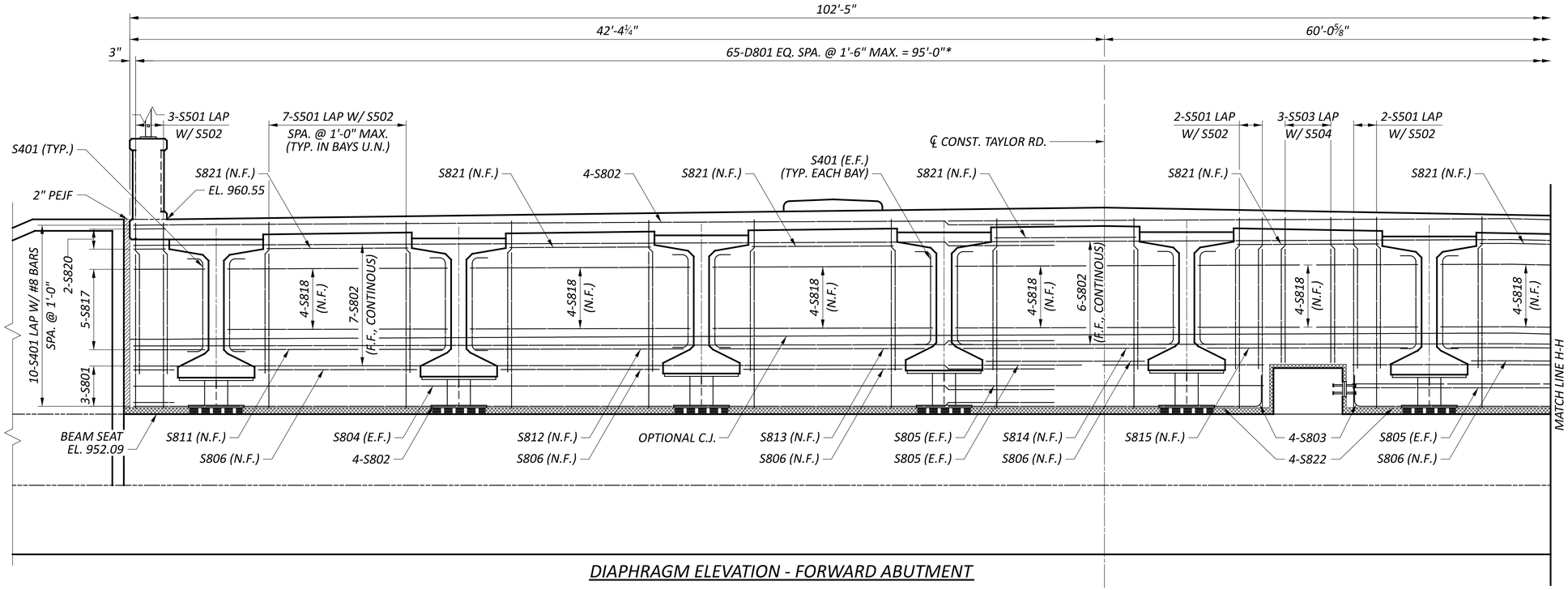
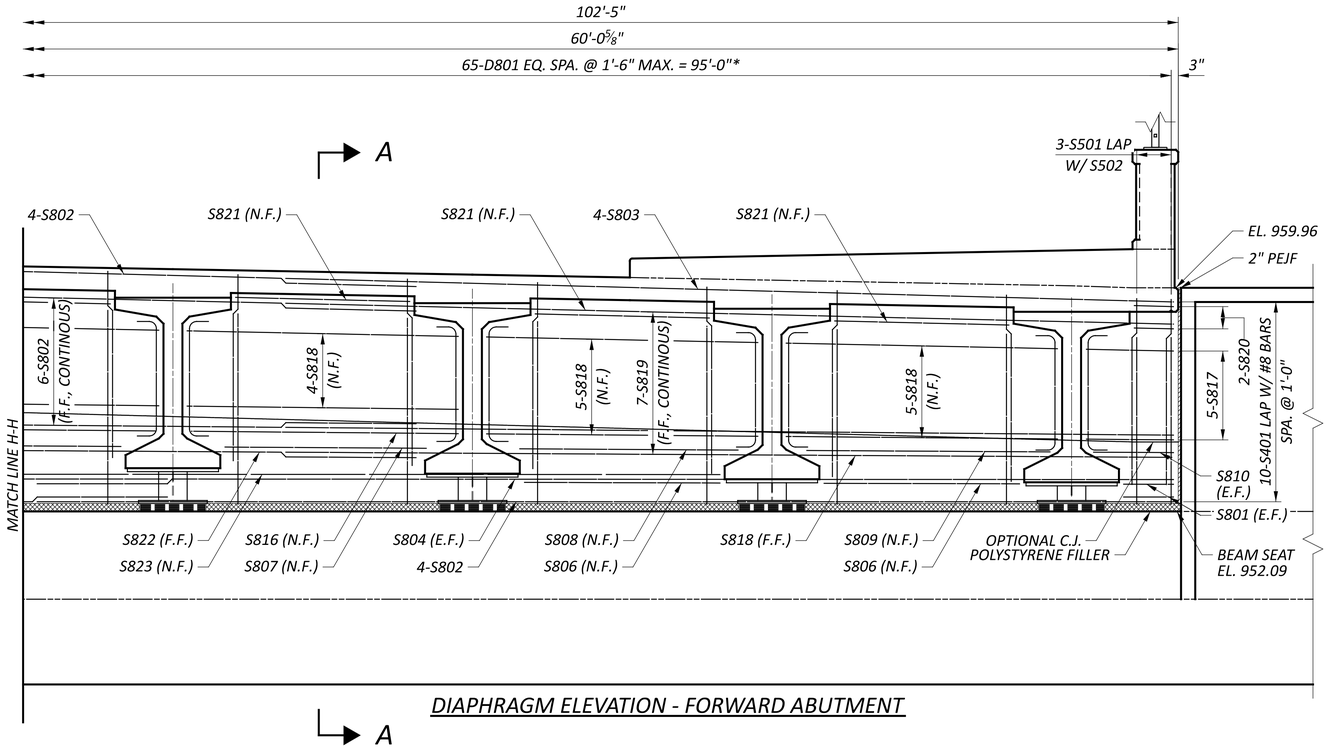


DIAPHRAGM ELEVATION - FORWARD ABUTMENT



DIAPHRAGM ELEVATION - FORWARD ABUTMENT

MINIMUM BAR LAP	
#5	2'-5"
#8	5'-4"

LEGEND

* - MEASUREMENT PERPENDICULAR TO ℄ TAYLOR ROAD. BARS SHALL BE PLACED PARALLEL TO ℄ TAYLOR ROAD.

NOTES:

1. SEE SHEET 28/43 FOR ADDITIONAL NOTES AND DETAILS.

FORWARD ABUTMENT DIAPHRAGM
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT LLC
DESIGNER JCS | CHECKER DAS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 29 | TOTAL 43
SHEET P.1515 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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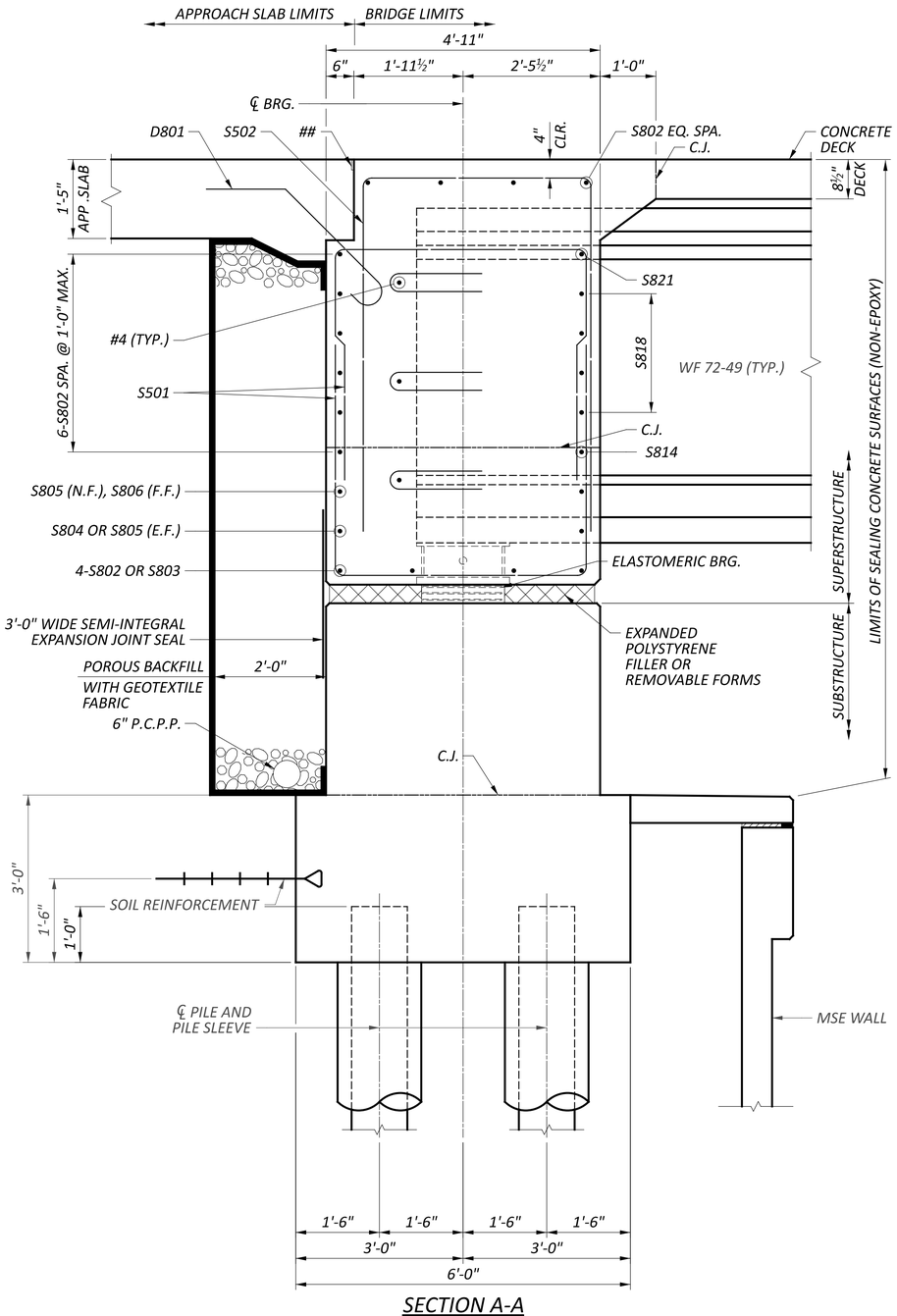

SECTION A-A

NOTES:

1. LIMITS OF SEMI-INTEGRAL EXPANSION JOINT SEAL SHALL BE 3'-0" WIDE CENTERED ON VERTICAL AND HORIZONTAL JOINTS.
2. SEE STD. DWG. SICD-1-21, SICD-2-14, AND PSID 1-13 FOR ADDITIONAL NOTES AND DETAILS

ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	30
TOTAL	43
SHEET	P.1516
TOTAL	P.1556

FAI/LIC-70.0.00/0.00
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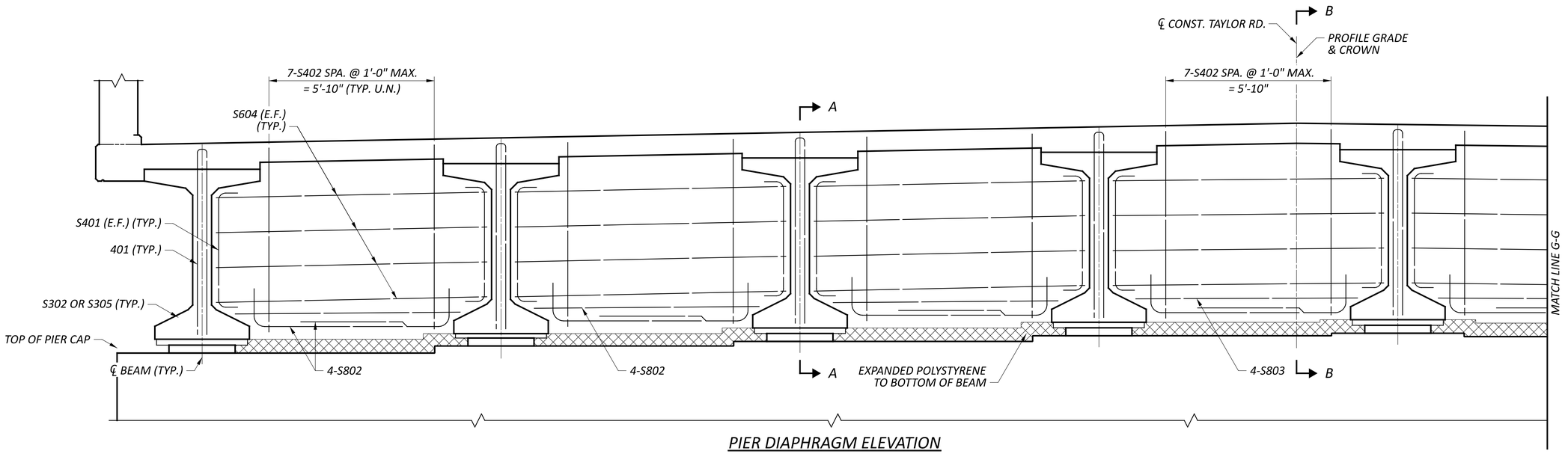
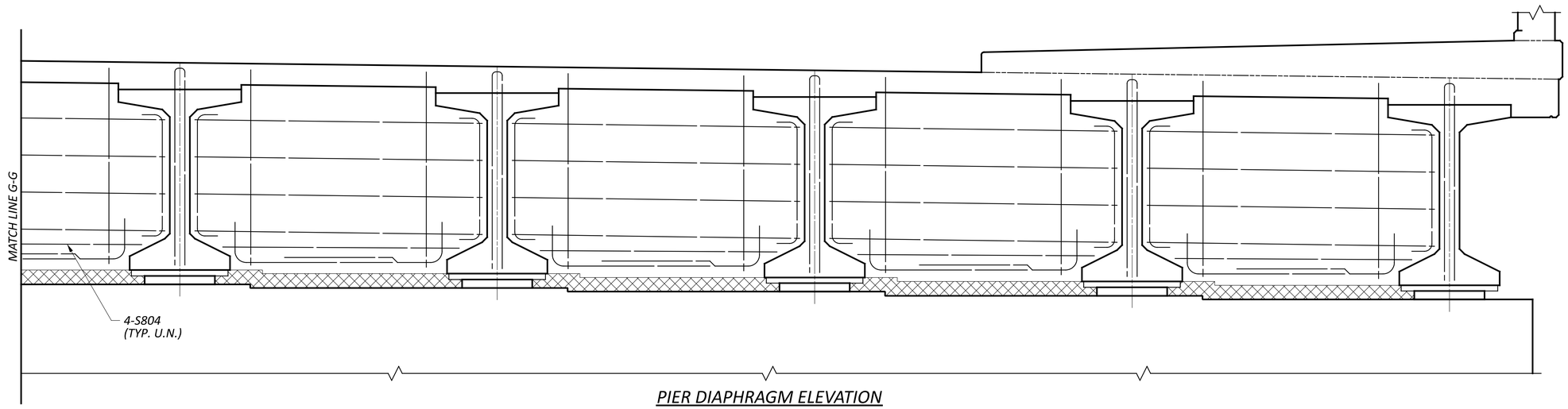


PIER DIAPHRAGM ELEVATION



PIER DIAPHRAGM ELEVATION

MINIMUM BAR LAP	
#4	1'-11"
#8	4'-9"

NOTES:

1. SEE SHEET 32/43 FOR SECTION A-A & B-B.
2. CONCRETE FOR PIER DIAPHRAGM SHALL BE INCLUDED UNDER ITEM 511, CLASS QC2 CONCRETE WITH QC/QC, SUPERSTRUCTURE.

PIER DIAPHRAGM
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT
DESIGNER JCS | CHECKER DAS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 31 | TOTAL 43
SHEET P.1517 | TOTAL P.1556

FAI/LIC-70.0.00/0.00

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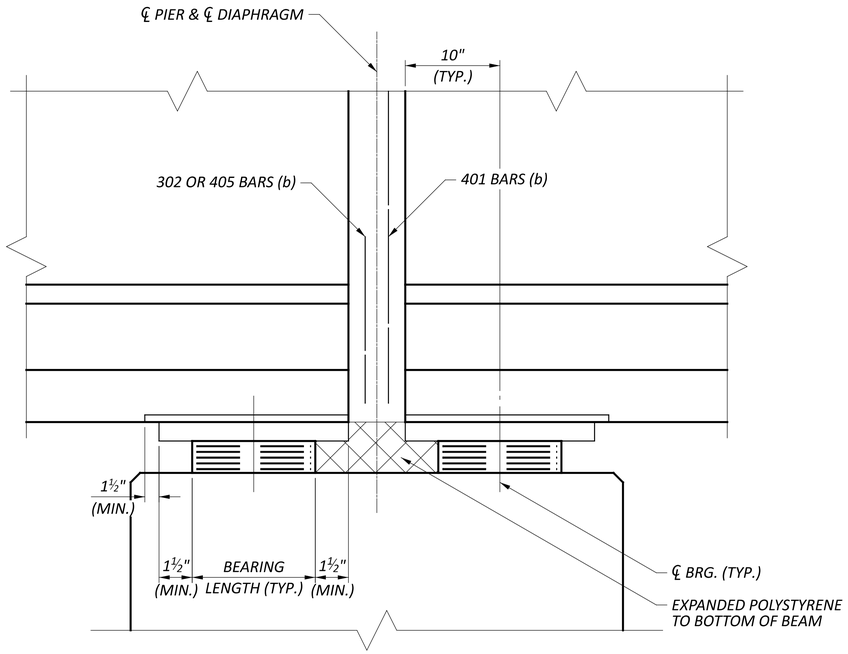
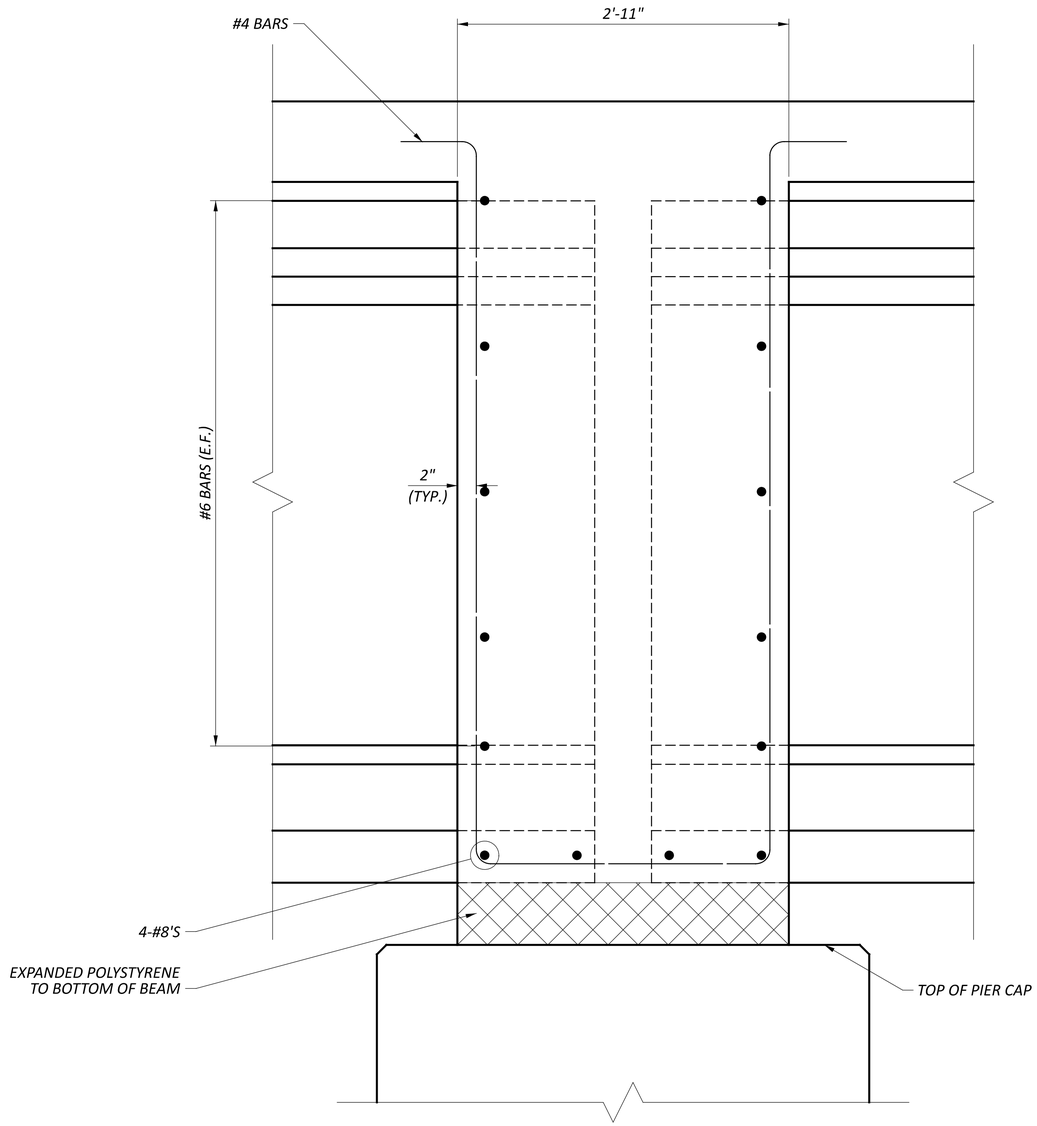


SECTION A-A



SECTION B-B

PIER DIAPHRAGM DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	WEIDLER STRUCTUREPOINT INC.
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	32
TOTAL	43
SHEET	P.1518
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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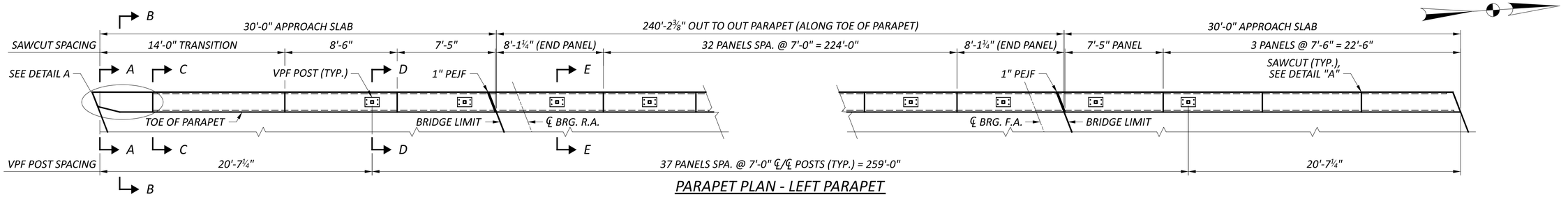
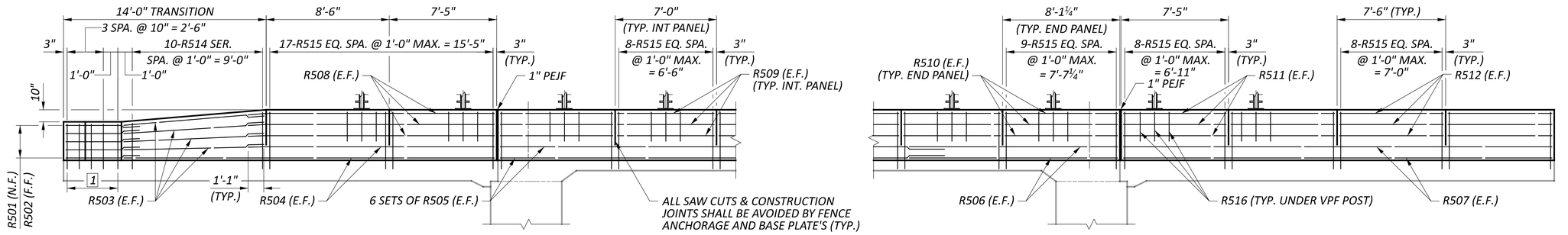
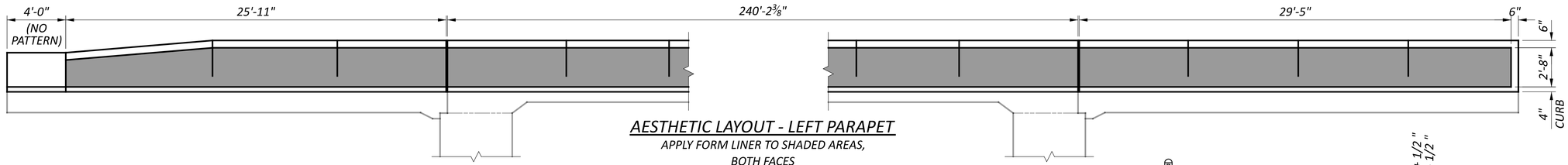


PARAPET PLAN - LEFT PARAPET

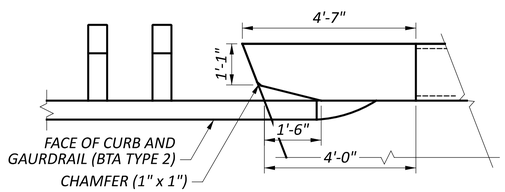


PARAPET ELEVATION - LEFT PARAPET

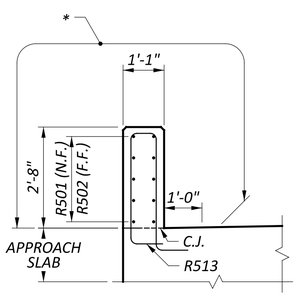


AESTHETIC LAYOUT - LEFT PARAPET

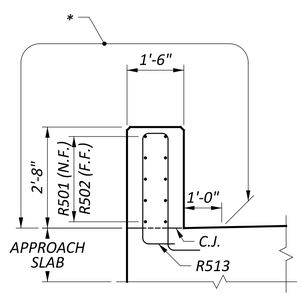
APPLY FORM LINER TO SHADED AREAS, BOTH FACES



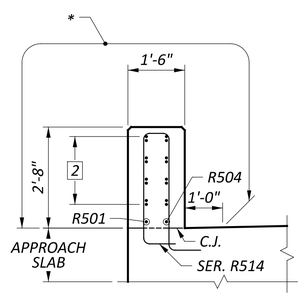
DETAIL A



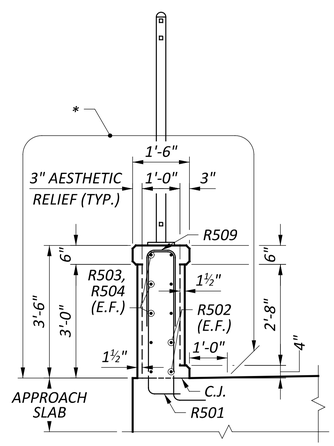
SECTION A-A



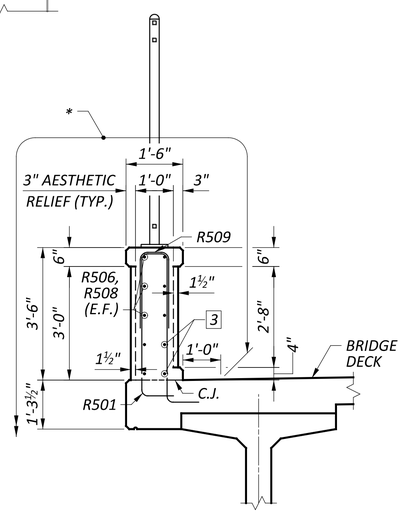
SECTION B-B



SECTION C-C

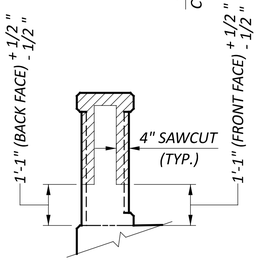


SECTION D-D



SECTION E-E

MINIMUM BAR LAP	
#5	2'-5"



DETAIL "A"

SECTION THROUGH SAWCUT
SAWCUT PERIMETER = 6'-8"

LEGEND

1 - 5-R513

2 - R501 (N.F.), R502 (F.F.) OR R503 (E.F.)

3 - R505, R507 (E.F.)

- LIMITS OF FORM LINER

* - SEALING OF CONCRETE SURFACES (NON-EPOXY)

NOTES:

1. FOR ADDITIONAL PARAPET DETAILS, SEE STANDARD DRAWING SBR-1-20.
2. SEE SHEET 41/43 FOR APPROACH SLAB PLAN.

RAILING DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	33
TOTAL	43
SHEET	P.1519
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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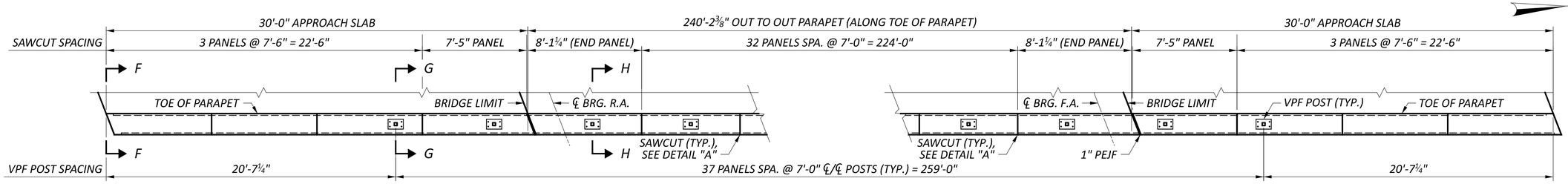
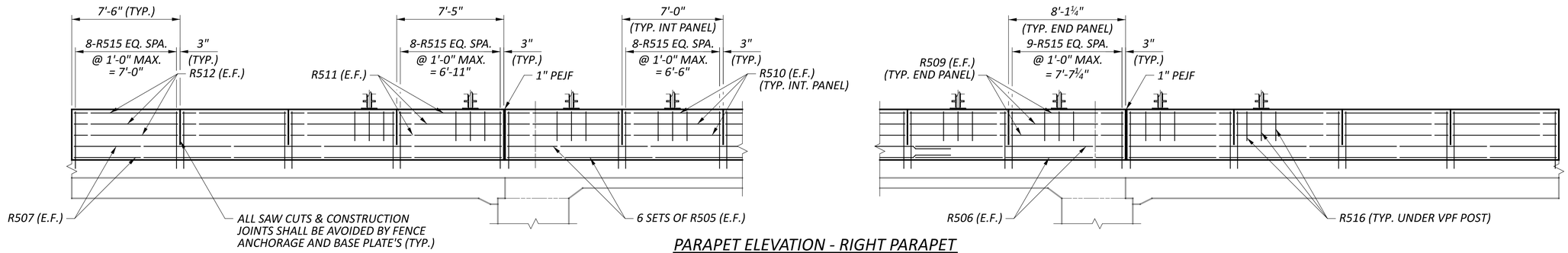
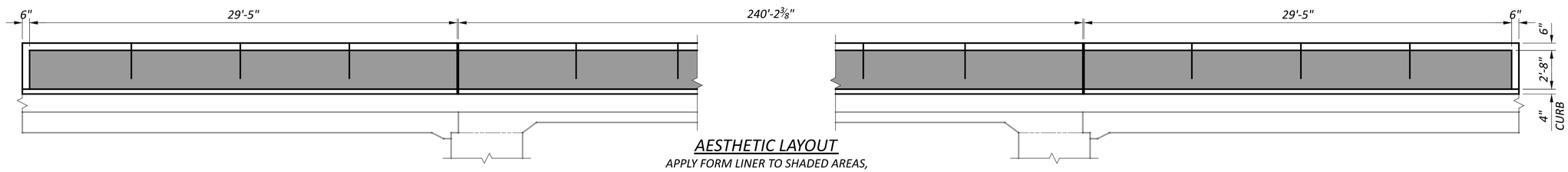


PARAPET PLAN - RIGHT PARAPET

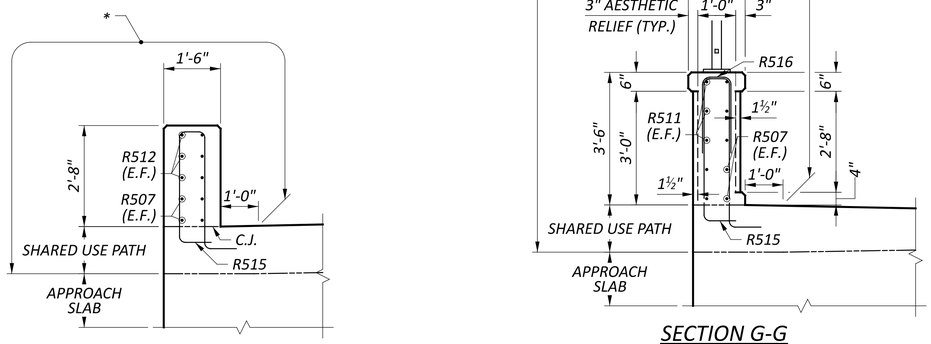


PARAPET ELEVATION - RIGHT PARAPET



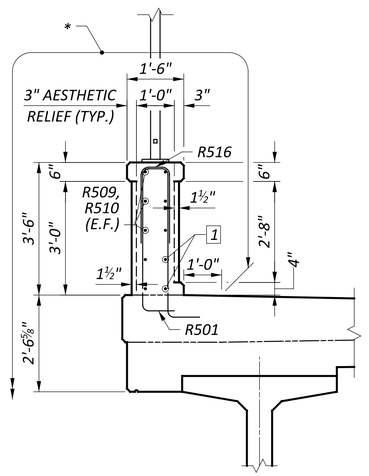
AESTHETIC LAYOUT

APPLY FORM LINER TO SHADED AREAS, BOTH SIDES

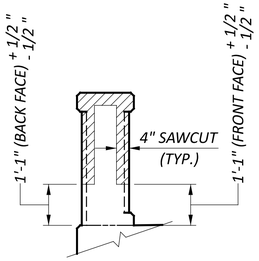


SECTION F-F

SECTION G-G



SECTION H-H



DETAIL "A"

SECTION THROUGH SAWCUT
SAWCUT PERIMETER = 6'-8"

MINIMUM BAR LAP	
#5	2'-5"

LEGEND

1 - R505, R506 (E.F.)

* - SEALING OF CONCRETE SURFACES (NON-EPOXY)

- LIMITS OF FORM LINER

NOTES:

1. SEE SHEET 33/43 FOR NOTES.

RAILING DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	34
TOTAL	43
SHEET	P.1520
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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ITEM 607 VANDAL PROTECTION FENCE (DECORATIVE)

DESCRIPTION: THIS ITEM CONSISTS OF FURNISHING AND INSTALLING DECORATIVE VANDAL FENCING ON NEW OR EXISTING CONCRETE BRIDGE RAILINGS. CONSTRUCT IN A MANNER THAT PROVIDES A RIGID, TAUT FENCE CLOSELY CONFORMING TO THE TOP SURFACE OF THE CONCRETE PARAPET. THIS PAY ITEM SHALL INCLUDE ANY AND ALL WORK NECESSARY TO FABRICATE AND INSTALL THE DECORATIVE STEEL VANDAL PROTECTION FENCE DESCRIBED HEREIN. THIS WILL INCLUDE STRUCTURAL STEEL AS DETAILED IN THE PLANS, SUCH AS POSTS, RAIL ELEMENTS, PICKETS, POST CAPS, DECORATIVE ORNAMENTS, BOLTS, WASHERS, NUTS, CONNECTIONS TO THE BARRIER, BASE PLATES, ANCHOR BOLTS, SHIMS, CAULKING, EXPANDED METAL, CLIPS, MISC. STEEL, LETTERING/HARDWARE, AND ALL OTHER COMPONENTS AS DETAILED IN THIS PLAN. ALL FABRICATION AND WORK OF THIS ITEM SHALL BE SHOP PERFORMED.

MATERIALS: ALL MATERIALS USED FOR THIS ITEM SHALL, AT A MINIMUM, MEET THE REQUIREMENTS OF STD. DWG. VPF-1-90. TUBE STEEL POSTS SHALL MEET ASTM A500, GRADE B (MINIMUM YIELD STRENGTH = 46,000 PSI). IF NOT OTHERWISE SPECIFIED, STEEL MATERIAL SHALL BE ASTM A36.

STEEL COATING: ALL STEEL COMPONENTS OF THIS ITEM, EXCEPT AS OTHERWISE NOTED IN THIS PLAN, SHALL BE GALVANIZED AS PER STD. DWG. VPF-1-90 AND MODIFIED FOR A BLACK SHOP PAINT SYSTEM DESCRIBED AS FOLLOWS. PROPER SURFACE PREPARATION PRIOR TO GALVANIZING AND PAINTING IS MANDATORY. VENT HOLES MAY BE ADDED AS NEEDED FOR PROPER GALVANIZING. ALL MATERIAL SHALL BE FREE OF PAINT MARKS. AFTER GALVANIZING, THE STEEL SHALL NOT BE QUENCHED. THE GALVANIZING SURFACE SHALL BE FREE FROM ALL CONTAMINANTS AND THE SURFACE ADEQUATELY ROUGHENED BEFORE PAINTING. PRIOR TO PAINTING, THE GALVANIZED SURFACE SHALL BE GIVEN AN ACID WASH WITH A CLEAN, WARM WATER RINSE, THEN A LIGHT SWEEP BLAST IN THE SHOP AND SHALL BE PAINTED WITHIN 12 HOURS OF SWEEP BLASTING. THE SWEEP BLAST SHOULD BE SOFT (FRIABLE) MATERIAL SIMILAR TO MAGNESIUM/ALUMINUM SILICATE ABRASIVE. THE SWEEP BLAST SHALL BE TO SUCH AN EXTENT TO SUFFICIENTLY ROUGHEN THE SURFACE TO AID IN PAINT ADHESION BUT NOT REMOVING MORE THAN 10 MICRONS OF ZINC. FIELD CONNECTION AREAS SHALL HAVE A UNIFORM GALVANIZED COATING FREE OF LOCAL EXCESSIVE ROUGHNESS WHICH WOULD PREVENT THE FIELD CONNECTIONS FROM MAKING INTIMATE CONTACT. ALL DAMAGED GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780, METHOD A1 OR A3. THE PAINT SHALL BE SHOP APPLIED. (IF PAINTED WITHIN 48 HOURS AFTER GALVANIZING, AN ACID WASH WILL NOT BE NECESSARY, ONLY THE LIGHT SWEEP BLAST.) THE PAINT SYSTEM SHALL BE PER C.M.S. 514, IZEU, A TIE COAT OF EPOXY PAINT, AND TOP COAT OF URETHANE PAINT. THE INORGANIC ZINC PRIMER SHALL BE NON-PERFORMED. ALL EXPOSED AREAS OF THE FENCING SHALL BE PAINTED, EXCEPT AS FOLLOWS. THE BASE PLATE ANCHORS, NUTS, AND WASHERS SHALL NOT BE PAINTED BUT REMAIN GALVANIZED ONLY. TOUCH UP OF ANY DAMAGED PAINT DURING HANDLING AND ERECTION IS REQUIRED AND SHALL BE AS DIRECTED BY THE PROJECT ENGINEER. THE COLOR OF THE FINISHED FENCING SHALL BE GLOSS BLACK. THE COLOR SHALL BE COORDINATED THROUGH THE DISTRICT AND SHALL MATCH THE COLOR OF ANY DECORATIVE LIGHTING POSTS ON THE PROJECT.

POSTS: SHALL BE AS DETAILED IN THIS PLAN WITH A WELD ATTACHED PRESSED STEEL CAP.

HORIZONTAL MEMBERS: SHALL BE 1½" BY 1½" SQUARE CHANNEL WITH 3/16" WALL THICKNESS.

PICKETS: SHALL BE ¾" SQUARE SOLID STEEL.

BASE PLATES: SHALL BE AS DETAILED IN THIS PLAN.

BASE PLATE ANCHORS: USE ½" ANCHORS AS PER STD. DWG. VPF-1-90. CAST-IN-PLACE MECHANICAL ANCHORS SHALL NOT BE USED. ANCHORS SHALL BE GALVANIZED ONLY.

FILLET WELDS: SHALL CONFORM TO CMS 513.

SHIM PLATES: SHALL BE AS PER STD. DWG. VPF-1-90 AND AS DETAILED IN THIS PLAN. USE SHIMS AS REQUIRED TO ERECT THE POSTS PERPENDICULAR TO THE ROADWAY PROFILE.

TRAFFIC MAINTENANCE: MAINTAIN TRAFFIC ACCORDING TO THE PROJECT PLANS.

VANDAL PROTECTION MESH: WHERE DETAILED IN THE PLAN, PROVIDE THE FOLLOWING MATERIAL AS VANDAL PROTECTION MESH (¾" #9 FLATTENED EXPANDED METAL AS SPECIFIED BY):

McNICHOLS –
3470 EAST KEMPER ROAD
CINCINNATI, OH 45241-2007
http://www.mcnichols.com
PHONE: 1-877-884-4653

DIRECT METALS –
3380 GRAND AVENUE
WAUKEGAN, IL 60085
http://www.directmetals.com
PHONE: 1-800-711-4939

OR

APPROVED EQUAL

EACH MESH ASSEMBLY PANEL, AS DETAILED, SHALL BE ONE UNIT OF SEAMLESS EXPANDED METAL. THE PROTECTIVE COATING OF THE ENTIRE MESH ASSEMBLY, FOR EACH TYPICAL PANEL DETAILED IN THE PLAN, SHALL BE GALVANIZED AND PAINTED BLACK, ACCORDING TO THE STEEL COATING NOTE ON THIS SHEET, TO MATCH FENCE.

MESH EDGE COLLAR: VANDAL PROTECTION MESH COLLAR SHALL BE SHOP ATTACHED, BY INTERMITTENT WELDING, TO ALL FOUR EDGES OF EACH TYPICAL FENCE PANEL MESH.

MESH ATTACHMENT: USE INTERMITTENT SPOT WELDING, AS SHOWN IN THE PLAN, TO RIGIDLY ATTACH THE VANDAL PROTECTION MESH FLUSH TO THE PICKETS AND HORIZONTAL MEMBERS. PROVIDE A SHOP WELD ASSEMBLY PATTERN WHICH WILL KEEP ALL AREAS OF THE PROPOSED MESH SNUG TO THE PICKETS AND ELIMINATE ANY VIBRATING OR CHATTERING ONCE IN SERVICE.

APPROVAL OF PRODUCT: TWO COMPLETE POST ASSEMBLIES AND ONE COMPLETE PANEL ASSEMBLY SHALL BE PROVIDED AND MOCK ASSEMBLED FOR APPROVAL BY THE DIRECTOR. IF THE TYPICAL TEST FENCE SECTION DOES NOT MEET THE APPROVAL OF THE DIRECTOR, THE RESULTS MAY BE GROUNDS TO REJECT THE PROPOSED TYPICAL FENCE SECTION. THE TEST FENCE SECTION WILL BE PROVIDED REPEATEDLY, AS NECESSARY, UNTIL APPROVAL IS GRANTED. AN UNREINFORCED, ONE-FOOT-THICK, PLAIN CONCRETE LEVELING PAD SHALL BE USED AS A DEMONSTRATION PLATFORM AT A LOCATION SUITABLE TO THE PROJECT ENGINEER. THE MOCK-UPS SHALL UTILIZE ALL OF THE MATERIALS, ANCHORAGES, AND HARDWARE INTENDED TO BE USED ON THE PROJECT TO DEMONSTRATE OVERALL FITUP AS WELL AS AESTHETIC QUALITIES. AFTER APPROVAL IS GRANTED, THE STEEL FENCE TEST SECTION MAY BE USED ON THE PROJECT.

CONSTRUCTION PROCEDURE:

1. FIELD VERIFY THE PLAN LOCATIONS OF ALL BASE PLATES AND MARK PARAPETS ACCORDINGLY.
2. MARK AND DRILL HOLES FOR THE ½" BASE PLATE ANCHORS USING A BASE PLATE TEMPLATE.
3. INSTALL ½" DIAMETER BASE PLATE ANCHORS.
4. INSTALL BASE PLATE AND POST ASSEMBLY AND SHIM WHERE REQUIRED. FULLY TIGHTEN ANCHORS TO BASE PLATES AND CHECK PLUMBNESS OF POSTS.
5. CAULK EDGES OF BASE PLATES, SHIMS AND SLEEVES.
6. CONTINUE INSTALLATION OF FENCE BY INSERTING FENCE PANELS AS DETAILED IN THE PLAN.
7. COMPLETE INSTALLATION OF THE FENCE BY FULLY SECURING AND TIGHTENING ALL HARDWARE.

VANDAL PROTECTION FENCE (DECORATIVE) MUST BE INSTALLED AFTER THE COMPLETION OF EACH PHASE. CONSTRUCTION ON PHASE 2 SHALL NOT BEGIN UNTIL THE VANDAL PROTECTION FENCE (DECORATIVE) IS INSTALLED ON PHASE 1.

METHOD OF MEASUREMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY BY THE FOOT. THE DEPARTMENT WILL MEASURE, ALONG THE BOTTOM OF THE FENCE, FROM CENTER TO CENTER OF END POSTS.

BASIS OF PAYMENT: THE DEPARTMENT WILL MAKE PAYMENT FOR THE COMPLETED AND ACCEPTED QUANTITIES OF VANDAL FENCE AS FOLLOWS:

ITEM	UNIT	DESCRIPTION
607	FOOT	SPECIAL - VANDAL PROTECTION FENCE (DECORATIVE)

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 6:28:18 PM USER: brieder
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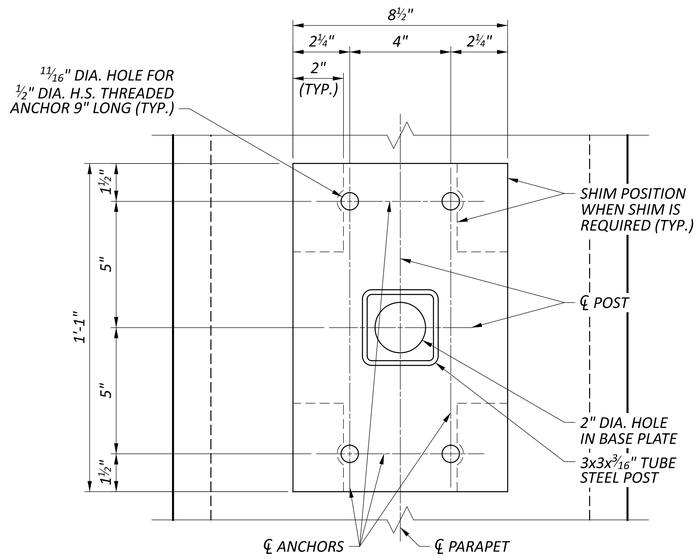
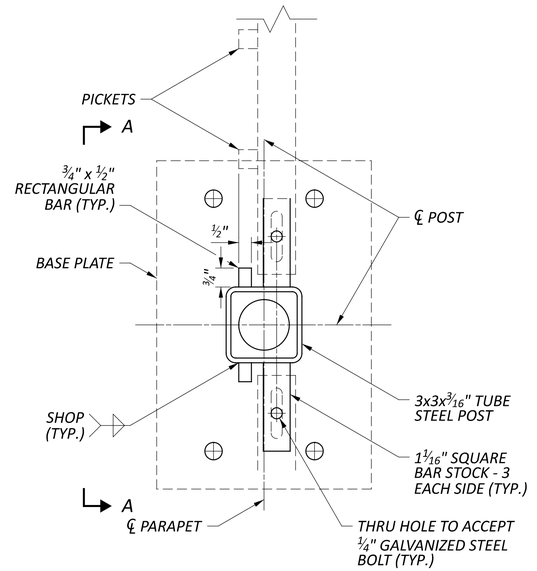
VANDAL FENCING NOTES
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588
DESIGN AGENCY STRUCTUREPOINT INC.
DESIGNER JCS | CHECKER DAS
REVIEWER CLB 04-28-25
PROJECT ID 96808
SUBSET 35 | TOTAL 43
SHEET P.1521 | TOTAL P.1556



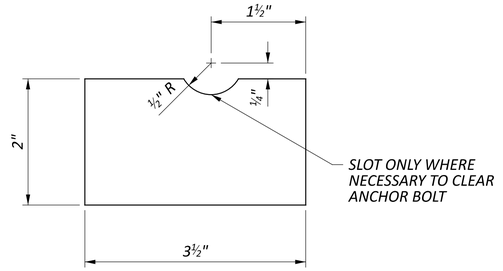
TYPICAL BASE ℄ PLAN

SHIM POSITIONS ARE SHOWN



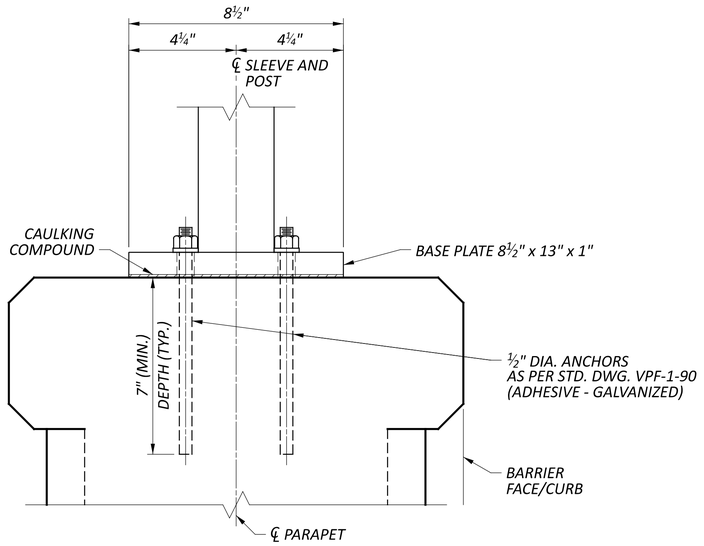
TYPICAL POST PLAN

SHIMS NOT SHOWN

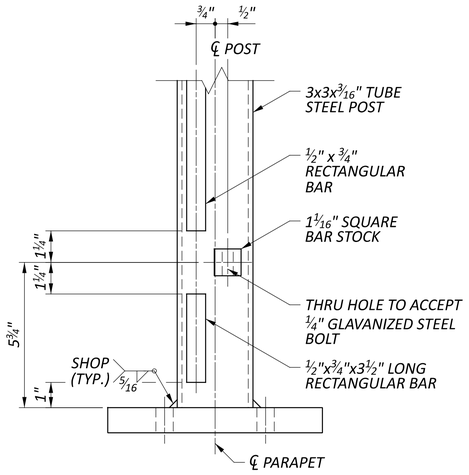


BASE PLATE SHIMS

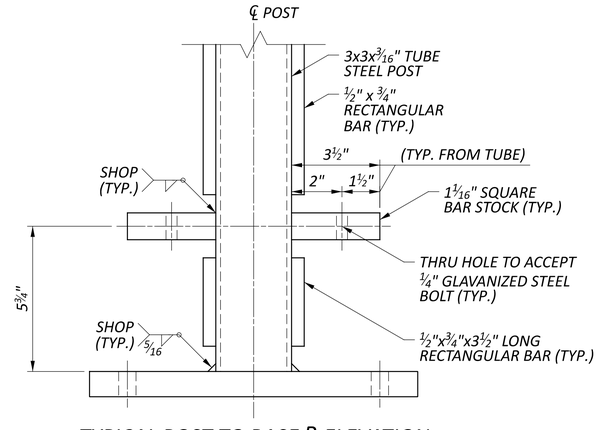
PROVIDE 1⁄16", ⅛", AND ¼" THICK,
WHERE NECESSARY, TO SET ALL POSTS PLUMB.



TYPICAL BASE ℄ END ELEVATION



TYPICAL POST TO BASE ℄ ELEVATION



TYPICAL POST TO BASE ℄ ELEVATION

VANDAL FENCING DETAILS - 1
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	36
TOTAL	43
SHEET	P.1522
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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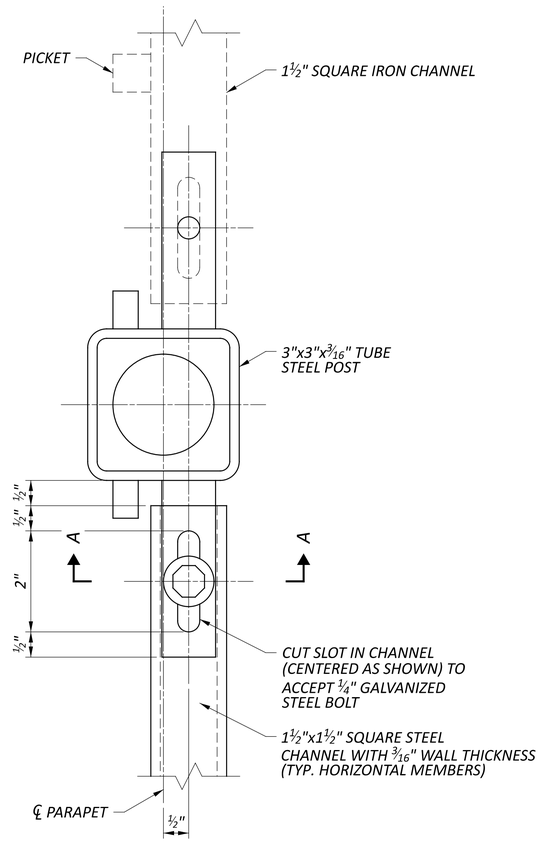
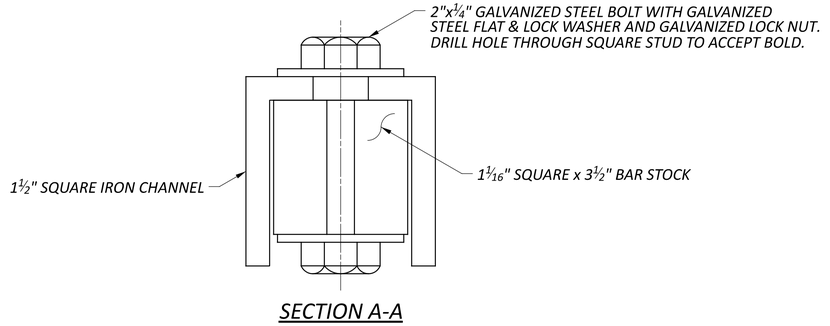


TYPICAL SLIP JOINT - TOP PLAN VIEW



SECTION A-A

VANDAL FENCING DETAILS - 2
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET / TOTAL	37 / 43
SHEET / TOTAL	P.1523 / P.1556

FAI/LIC-70.0.00/0.00

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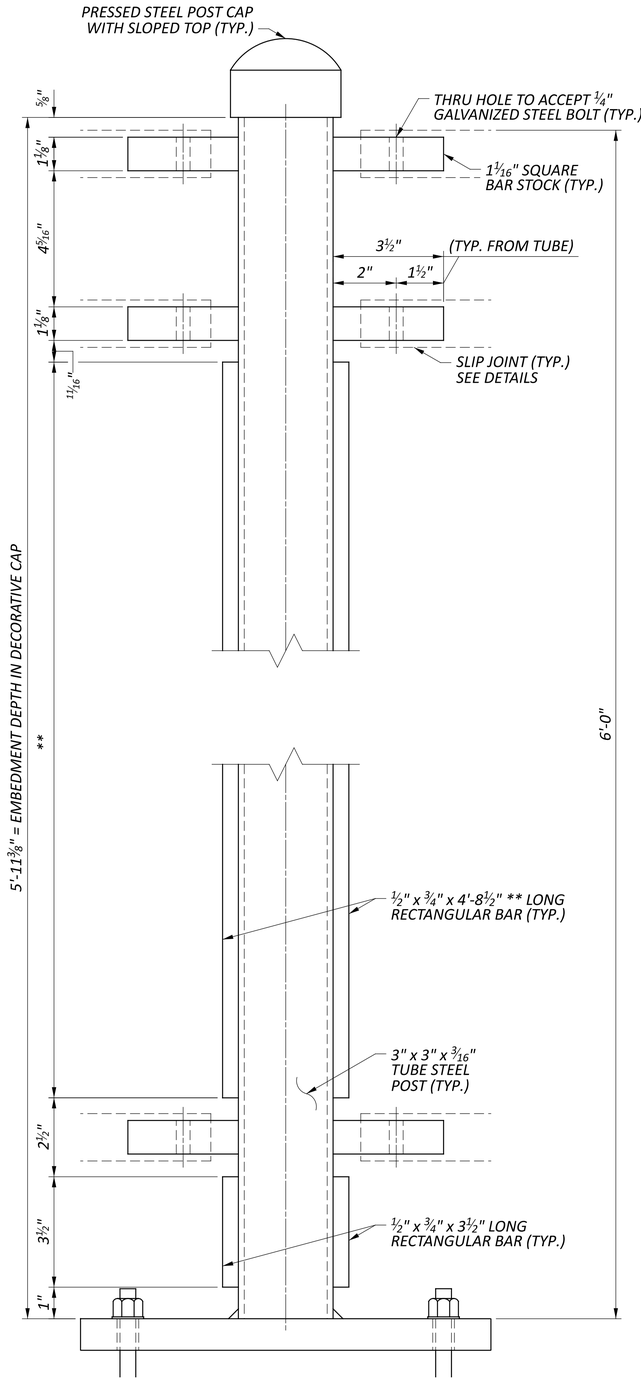
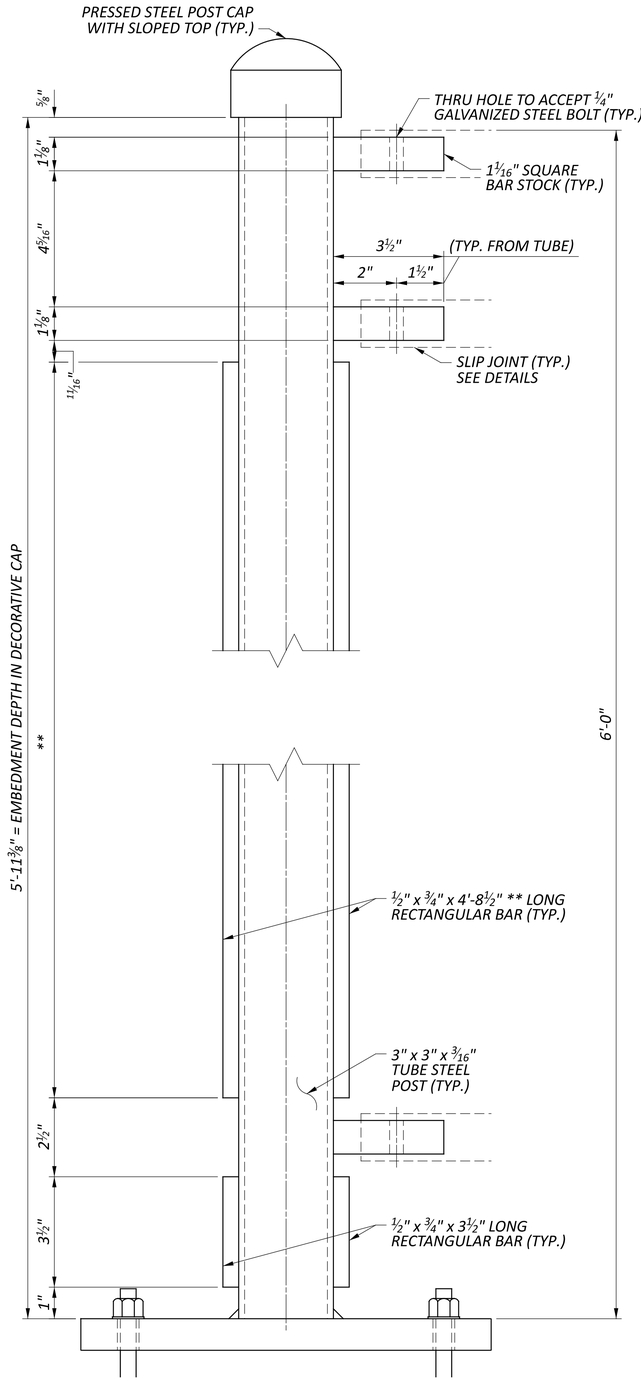
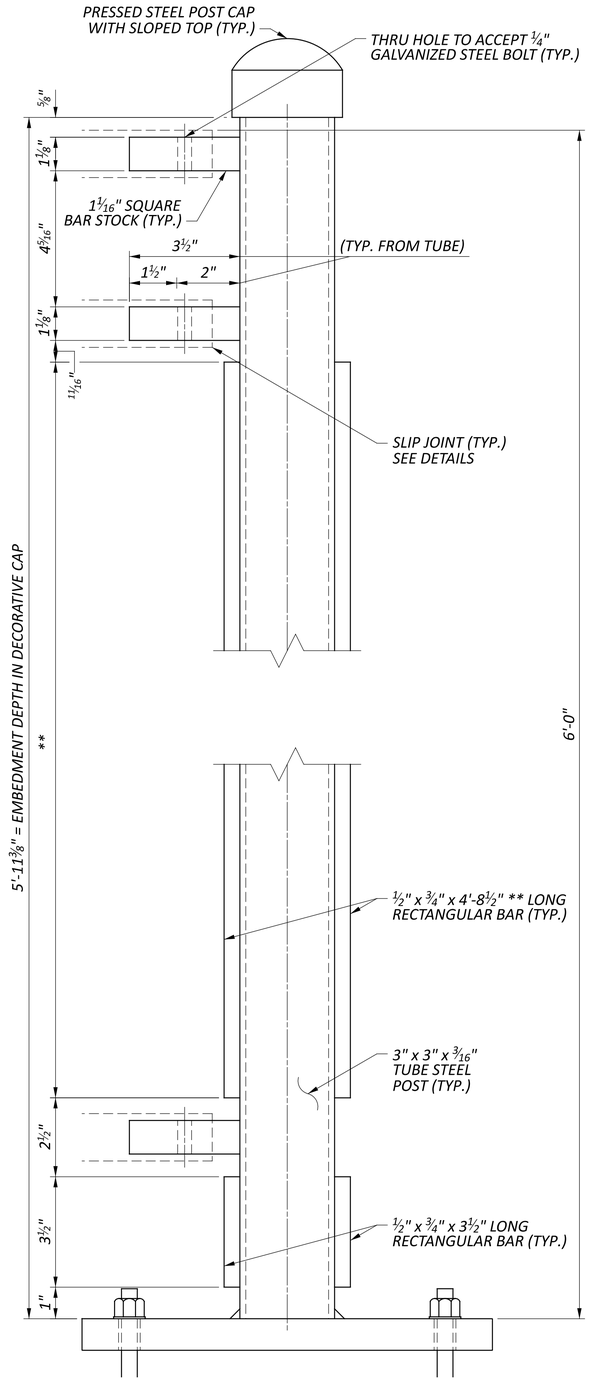


TYPICAL FULL POST ASSEMBLY ELEVATION (XX POSTS)



FULL REAR APPROACH POST ASSEMBLY ELEVATION (1 POST)



FULL FWD. APPROACH POST ASSEMBLY ELEVATION (1 POST)

FAI/LIC-70.0.00/0.00

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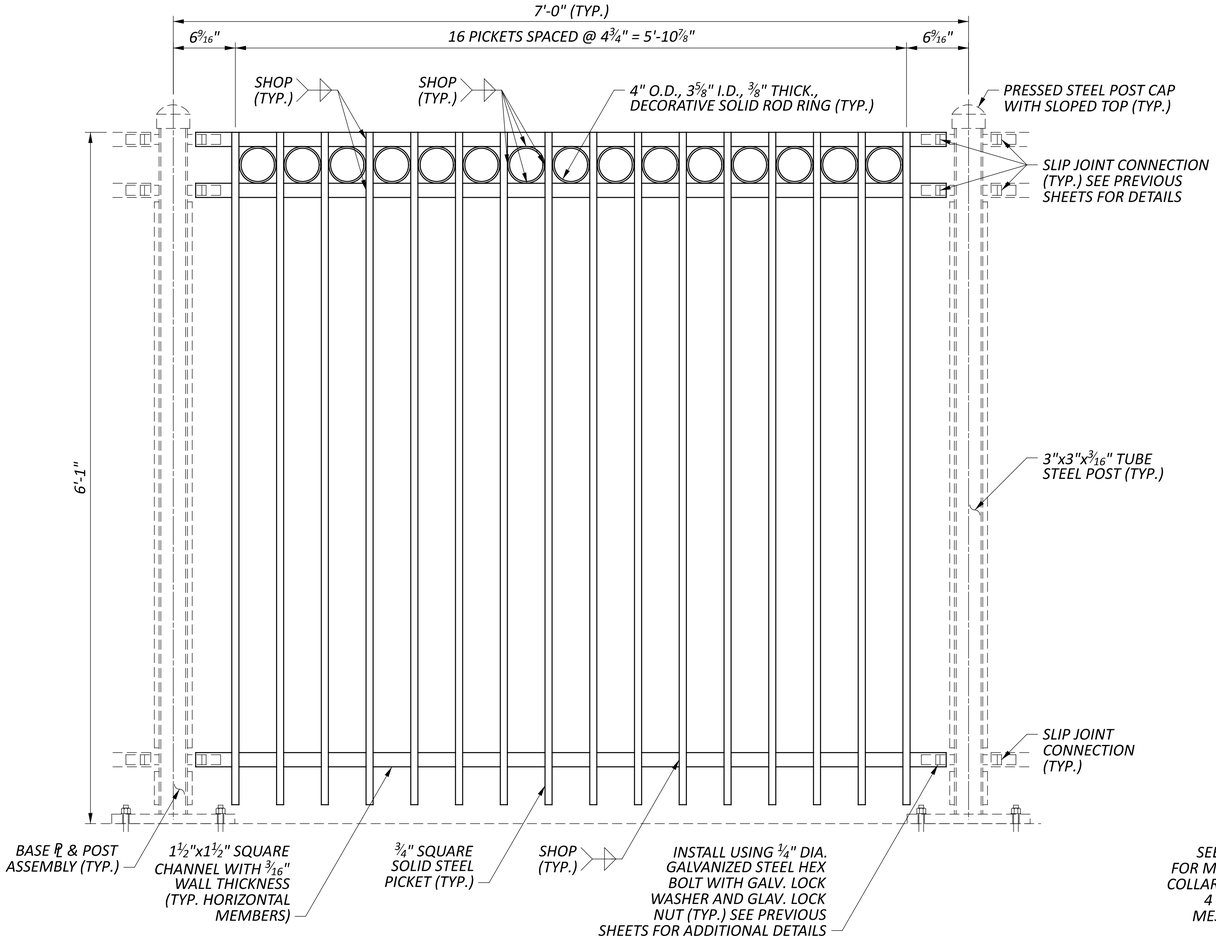
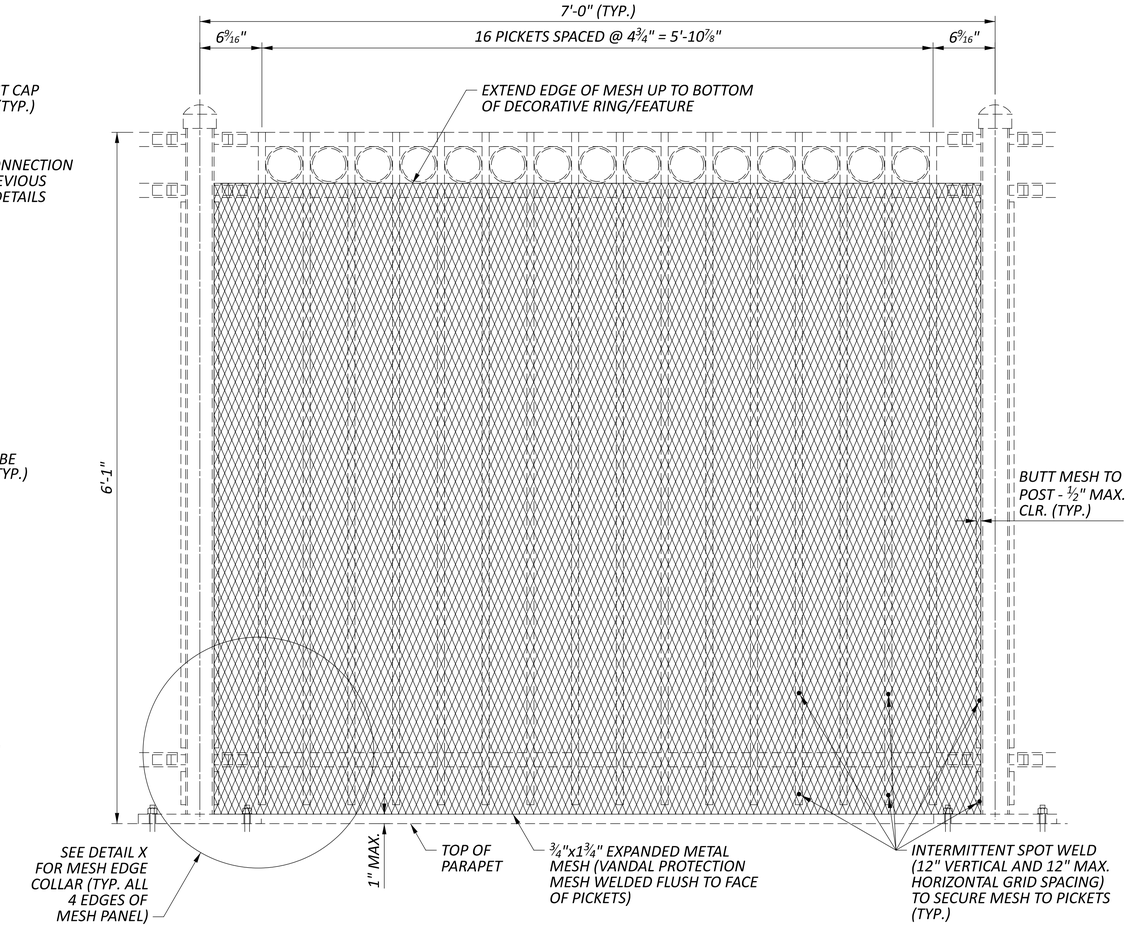
VANDAL FENCING DETAILS - 3
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	38
TOTAL	43
SHEET	P.1524
TOTAL	P.1556



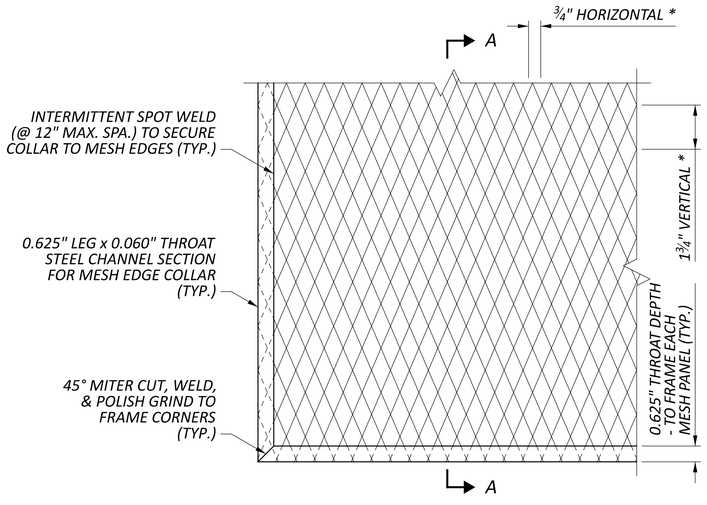
TYPICAL DECORATIVE FENCE PANEL ASSEMBLY

(INNER/SHARED-USE PATH FACE)



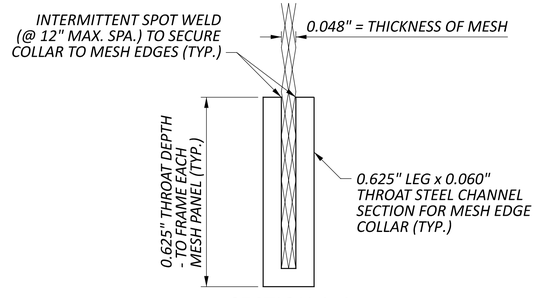
TYPICAL DECORATIVE FENCE PANEL

(INNER/SHARED-USE PATH FACE)



DETAIL X

** = MESH ORIENTATION*



SECTION A-A

VANDAL FENCING DETAILS - 4
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

FAI/LIC-70.0.00/0.00

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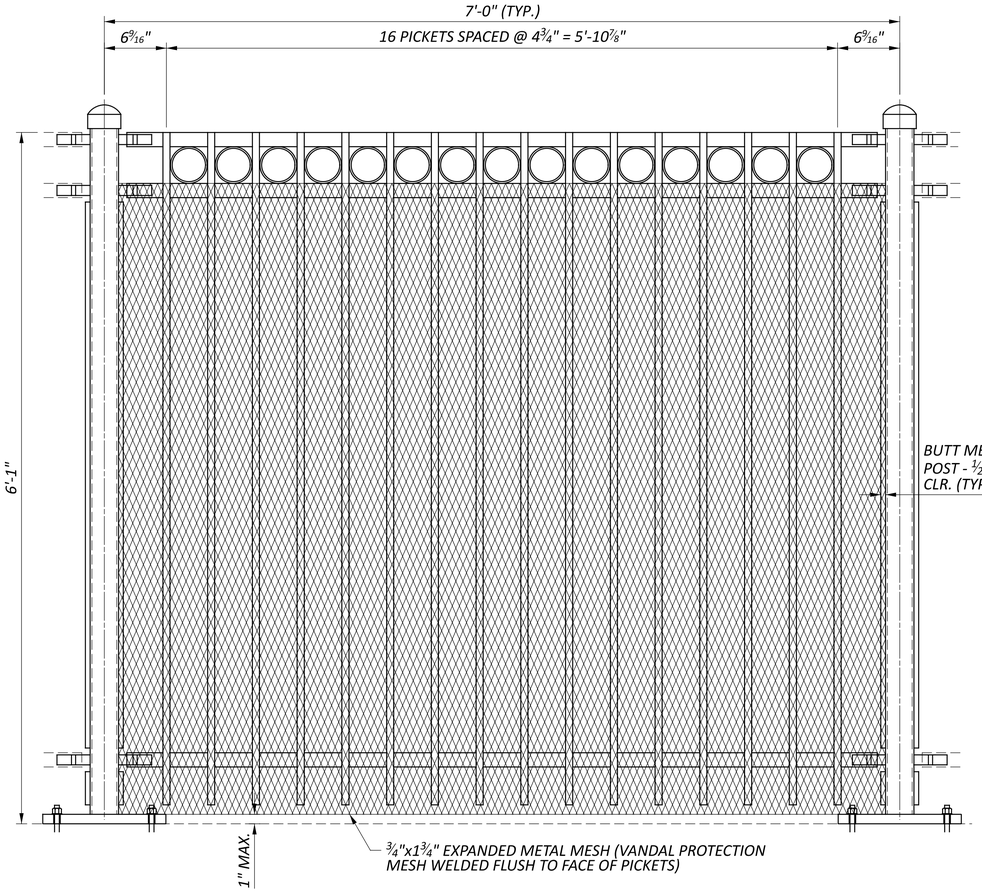
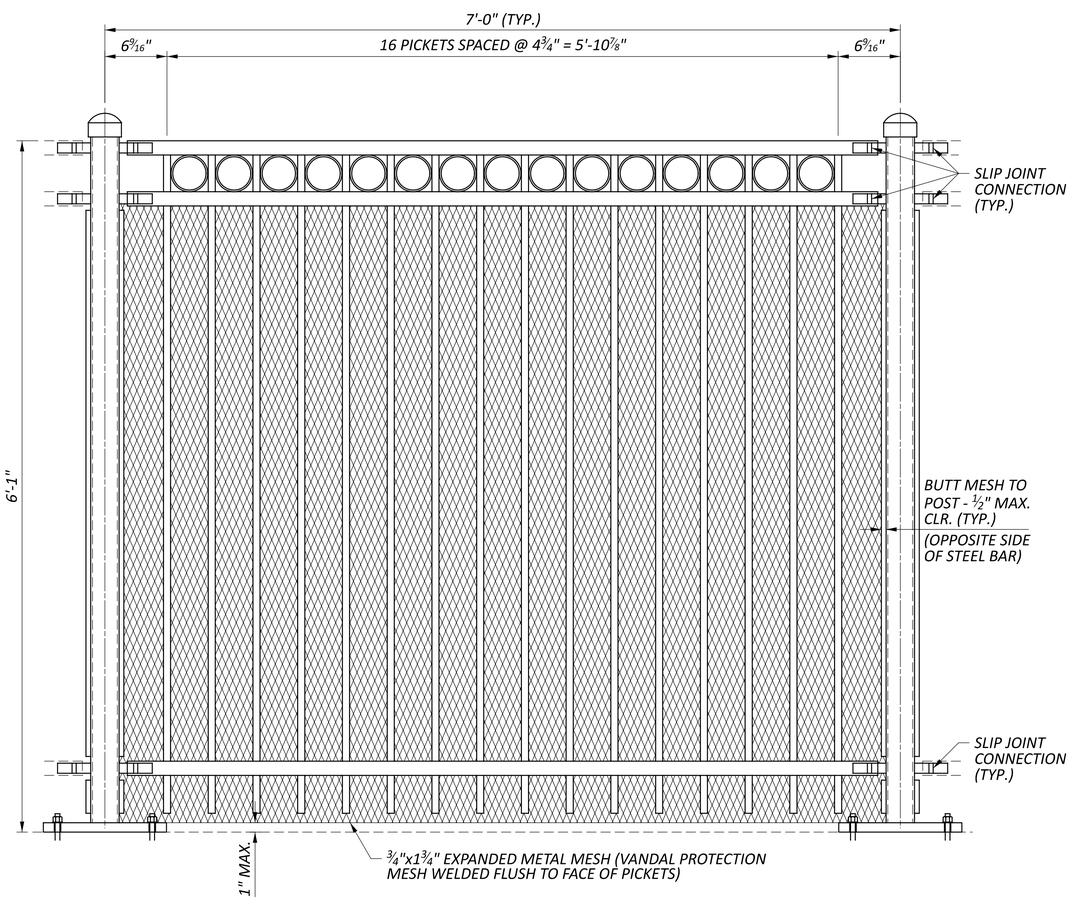
SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	JCS
CHECKER	DAS
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	39
TOTAL	43
SHEET	P.1525
TOTAL	P.1556



TYPICAL DECORATIVE FENCE PANEL

(INNER/SHARED-USE PATH FACE)



TYPICAL DECORATIVE FENCE PANEL

(OUTER FACE)

VANDAL FENCING DETAILS - 5
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

FAI/LIC-70.0.00/0.00

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SFN 2302588

DESIGN AGENCY: STRUCTUREPOINT INC.

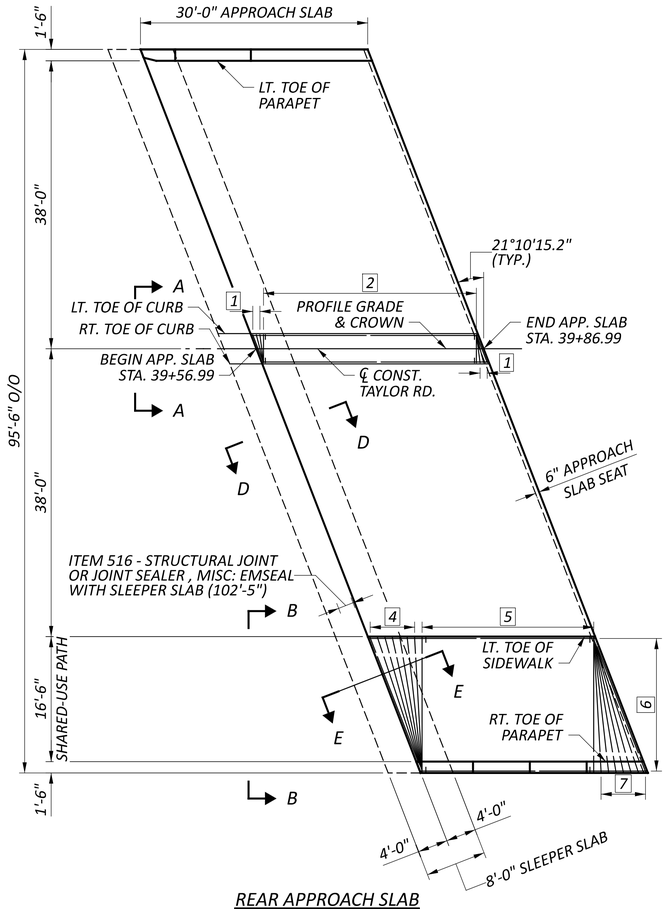
DESIGNER	CHECKER
JCS	DAS

REVIEWER: CLB 04-28-25

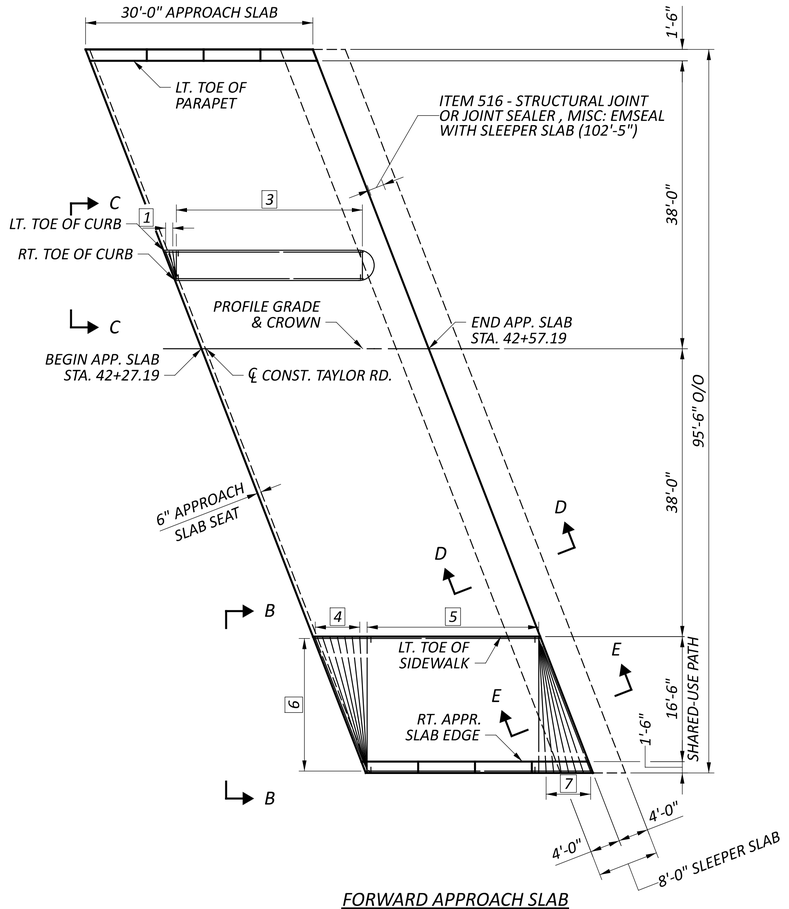
PROJECT ID: 96808

SUBSET	TOTAL
40	43

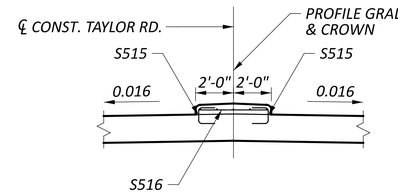
SHEET	TOTAL
P.1526	P.1556



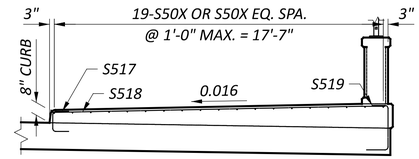
REAR APPROACH SLAB



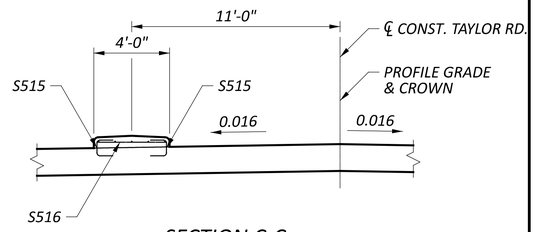
FORWARD APPROACH SLAB



SECTION A-A



SECTION B-B



SECTION C-C

APPROACH SLAB ELEVATIONS

APPROACH LINE / DESCRIPTION		BEGIN REAR SLEEPER SLAB	BEGIN REAR APPROACH SLAB	END REAR SLEEPER SLAB	END REAR APPROACH SLAB	STRUCTURE LIMITS	BEGIN FWD. APPROACH SLAB	BEGIN FWD. SLEEPER SLAB	END FWD. APPROACH SLAB	END FWD. SLEEPER SLAB
LT. TOE OF PARAPET	STATION	39+37.98	39+42.27	39+46.56	39+72.27		42+12.47	42+38.18	42+42.47	42+46.76
	ELEVATION	954.29	956.14	954.88	957.21		960.54	958.92	960.30	958.83
LT. TOE OF MEDIAN CURB	STATION	39+51.92	39+56.21	39+60.50	39+86.21		42+22.15	42+47.86	42+52.15	42+56.44
	ELEVATION	955.39	957.23	955.97	958.24		960.88	959.22	960.59	959.12
PGL & CROWN	STATION	39+52.70	39+56.99	39+61.28	39+86.99		42+27.19	42+52.90	42+57.19	42+61.48
	ELEVATION	955.45	957.29	956.03	958.29		961.04	959.37	960.73	959.26
RT. TOE OF MEDIAN CURB	STATION	39+53.47	39+57.76	39+62.05	39+87.76		42+23.70	42+49.41	42+53.70	42+57.99
	ELEVATION	955.44	957.29	956.02	958.28		960.93	959.27	960.63	959.16
LT. TOE OF SIDEWALK	STATION	39+67.42	39+71.71	39+75.99	40+01.71		42+41.91	42+67.62	42+71.91	42+76.19
	ELEVATION	955.36	957.19	955.92	958.12		960.30	958.56	959.92	958.43
RT. DECK EDGE	STATION	39+74.39	39+78.68	39+82.97	40+08.68		42+48.88	42+74.59	42+78.88	42+83.17
	ELEVATION	955.31	957.13	955.85	958.03		959.94	958.17	959.52	958.03

LEGEND

1 - 3-S515 & S516 (E.F.) (FANNED)

2 - 30-S515 & S516 (E.F.) SPA. @ 1'-0"

2 - 26-S515 & S516 (E.F.) SPA. @ 1'-0"

3 - 7-S517 & S518 (FANNED) EQ. SPA. @ 1'-0" MAX.

4 - 24-S517, S518, & S519 EQ. SPA. @ 1'-0" MAX.

5 - 19-S520 EQ. SPA. @ 1'-0" MAX.

6 - 7-S518 & S519 (FANNED) EQ. SPA. @ 1'-0" MAX

**SEE STANDARD DRAWINGS AS-2-15 SHEET 7/14 FOR EXPANSION JOINT OPENING TABLE

NOTES:

1. SEE STD. DWGS. AS-1-15 AND AS-2-15 FOR ADDITIONAL NOTES AND DETAILS.

2. SEE SHEET 42/43 FOR SECTION D-D AND E-E.

APPROACH SLAB DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY STRUCTUREPOINT LLC

DESIGNER	CHECKER
DAS	BMK

REVIEWER CLB 04-28-25

PROJECT ID 96808

SUBSET	TOTAL
41	43

SHEET	TOTAL
P.1527	P.1556

FAI/LIC-70.0.00/0.00

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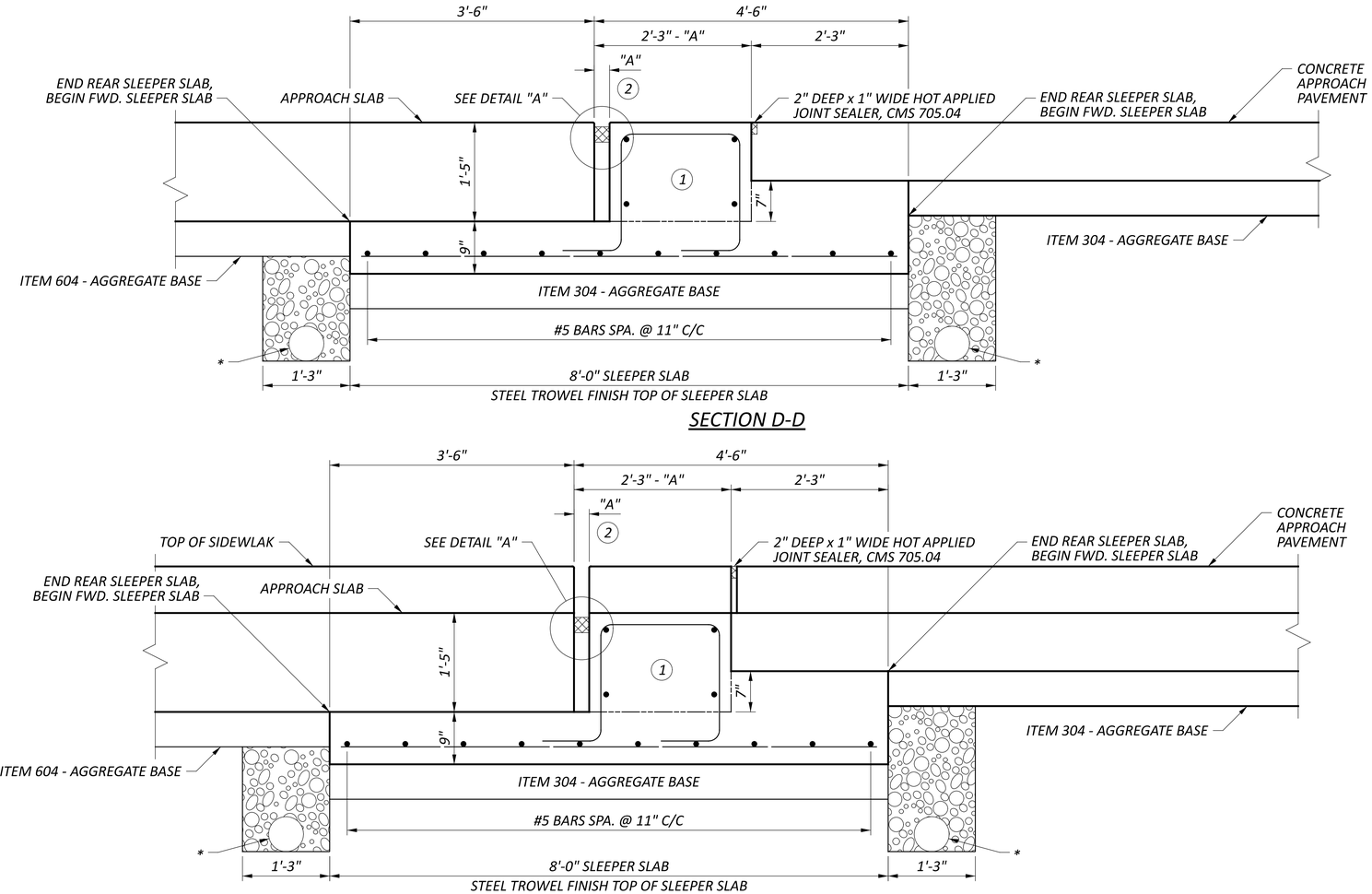
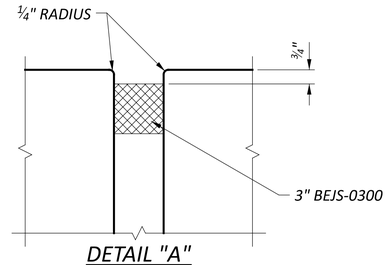
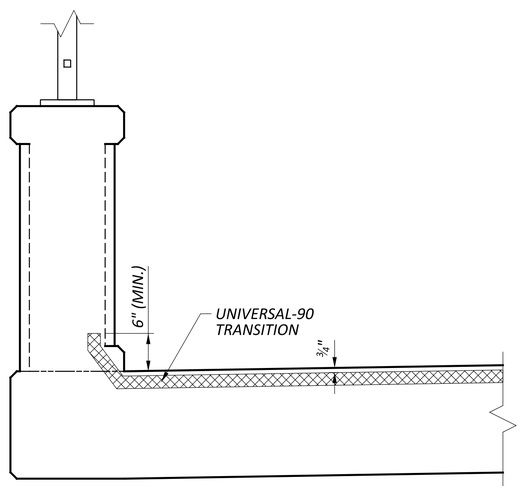


SECTION D-D



DETAIL "A"

SECTION E-E



END DETAIL

LEGEND

(1) - THIS SECTION OF THE SLEEPER SLAB SHALL NOT BE POURED UNTIL AFTER THE APPROACH SLAB HAS BEEN CONSTRUCTED

(2) - DIMENSION "A" SHALL BE CONSTRUCTED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS, MEASURED PERPENDICULAR TO THE JOINT.

* CMS 605.03 6" PERFORATED PIPE UNDERDRAIN WITH CMS 605.06 UNDERDRAIN OUTLET

NOTES:

ITEM 516-STRUCTURAL JOINT OR JOINT SEALER, MISC: EMSEAL WITH SLEEP SLAB:

ITEM 516-STRUCTURAL JOINT OR JOINT SEALER, MISC: EMSEAL WITH SLEEPER SLAB EMSEAL: FURNISH MATERIAL CONFORMING TO 705.11. THE SEAL CONFIGURATION SHOULD BE SIMILAR TO THE DETAILS SHOWN HERIN. ACCEPTED MANUFACTURES ARE: EMSEAL JOINT SYSTEM LTD. (MODEL 3" BEJS) OR AN APPROVED EQUIVALENT. INSTALL THE SEAL ACCORDING TO THE MANUFACTURE'S SPECIFICATIONS AND UNDER THE SUPERVISION OF THE MANUFACTURER'S DESIGNATED REPRESENTATIVE. FURNISH SEALS IN ONE CONTIUOUS PIECE UNLESS APPROVED BY THE ENGINEER.

BOND BREAKER: A BOND BREAKER CONSISTING OF TWO 4 FOOT SHEETS OF CLEAR OR OPAQUE POLYETHYLENE FILM, ITEM 705.06, SHALL BE CENTERED ON THE SLEEPER SLAB AND BELOW THE APPROACH SLAB, WHERE NOTED. CARE SHALL BE TAKEN IN THE AREA BENEATH THE POLYETHYLENE FILM TO ENSURE THE SURFACE OF THE SLEEPER SLAB IS FINISHED SMOOTH. THE FILM SHALL HAVE A NOMINAL THICKNESS OF 4 MILS.

PAYMENT: MEASUREMENT OF THE EXPANSION JOINT FOR PAYMENT PURPOSES SHALL BE ALONG THE CENTERLINE OF THE SLEEPER SLAB AND BETWEEN THE BACKS OF CURB. PAYMENT SHALL BE PER FOOT OF ITEM 516 - STRUCTURAL JOINT OR JOINT SEALER, MISC: EMSEAL WITH SLEEPER SLAB AND SHALL INCLUDE 3" BEJS SEAL AS PROVIDED BY EMSEAL JOINT SYSTEM LTD. AT 25 BRIDLE LANE, WESTBOROUGH, MA 01581 (800) 526-8365 OR AN APPROVED EQUAL, CONCRETE SLEEPER SLAB, RESTEEL, PIPE UNDERDRAINS AND OUTLETS AND ALL LABOR, MATERIALS AND INCIDENTIALS NEEDED TO CONSTRUCT THE JOINT AS SHOWN, INCLUDING THE PIPE UNDERDRAINS. THE UNDERDRAINS SHALL BE INSTALLED AS PER CMS 605.03 - 6" PIPE UNDERDRAIN (707.31) AND WILL INCLUDE THE NECESSARY GRANULAR MATERIAL.

SLEEPER SLAB DETAILS
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN	2302588
DESIGN AGENCY	STRUCTUREPOINT LLC
DESIGNER	DAS
CHECKER	BMK
REVIEWER	CLB 04-28-25
PROJECT ID	96808
SUBSET	42
TOTAL	43
SHEET	P.1528
TOTAL	P.1556

FAI/LIC-70.0.00/0.00

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MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	R.A.	F.A.	TOTAL				A	B	C	D	E	R	INC
ABUTMENT													
SUB-TOTAL													

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
DECK											
SUB-TOTAL											

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPET											
SUB-TOTAL											

*** TO BE COMPLETED AT STAGE 3*

NOTES:

1. *ALL CONCRETE REINFORCEMENT SHALL BE EPOXY COATED STEEL REINFORCEMENT, GRADE 60*
2. *THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS WHERE FOUR DIGITS ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, P601 IS A NO. 6 BAR. "R" INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED. "STD" WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF THE BAR.*

STEEL REINFORCING LIST
BRIDGE NO. FAI-00204-0046
TAYLOR ROAD OVER IR 70

SFN 2302588

DESIGN AGENCY
STRUCTUREPOINT INC.
A MEMBER FIRM OF

DESIGNER	CHECKER
XXX	XXX

REVIEWER: XXX MM-DD-YY

PROJECT ID: 96808

SUBSET	TOTAL
43	43

SHEET	TOTAL
P.1529	P.1556

FAI/LIC-70.0.00/0.00

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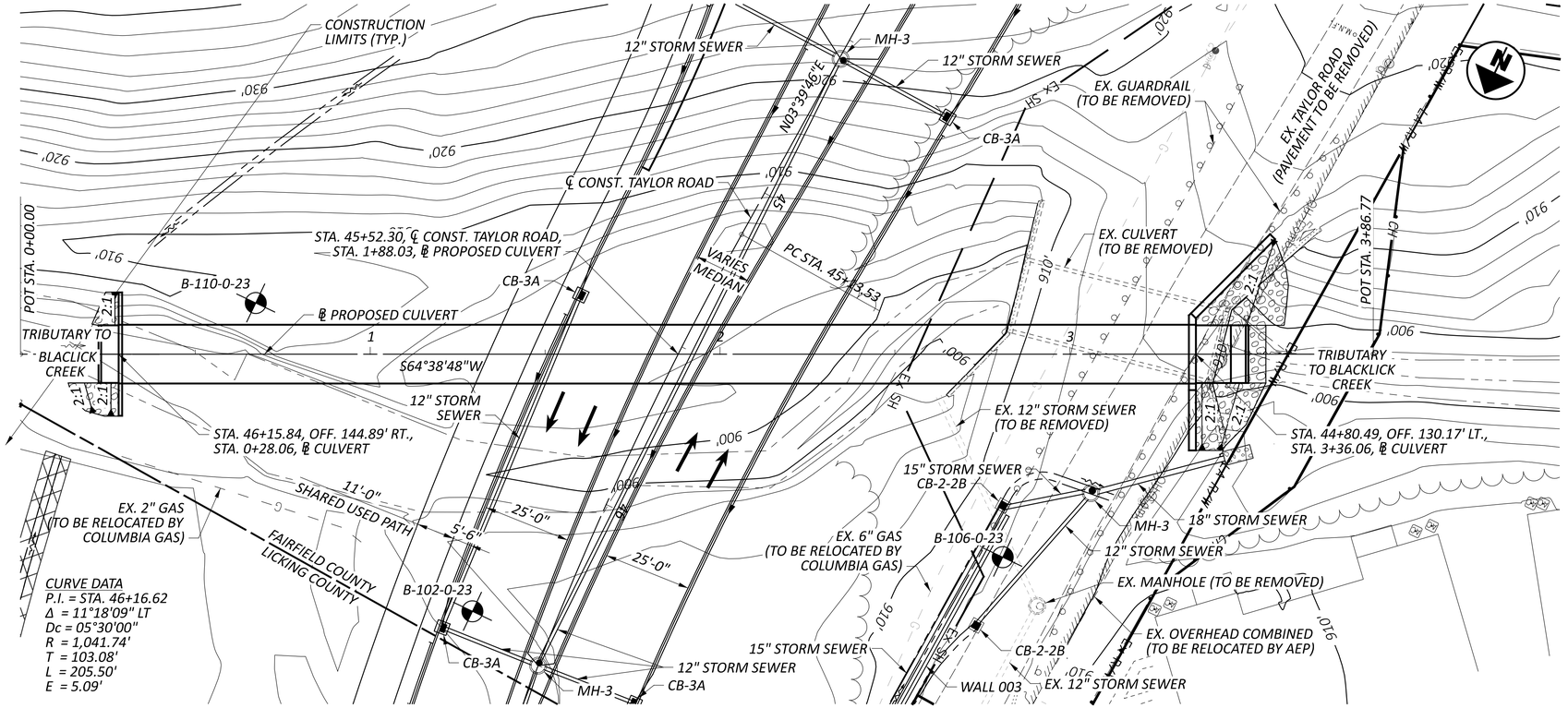
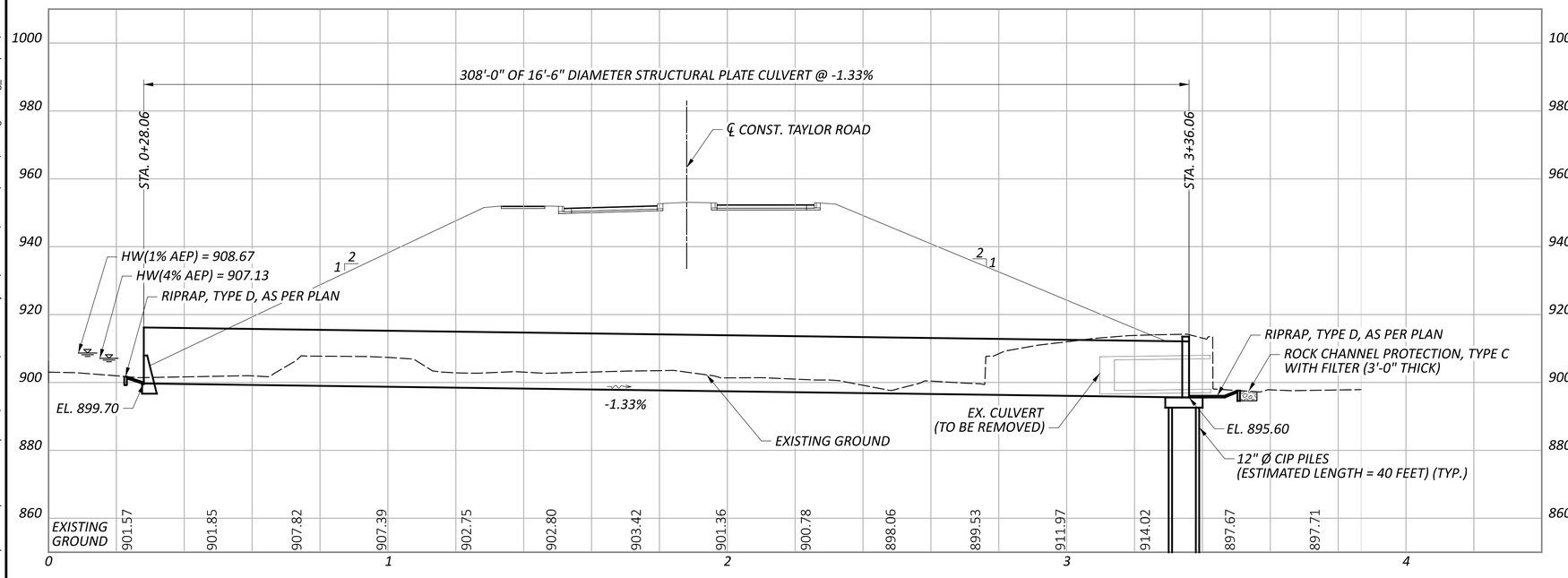


PLAN



PROFILE ALONG ℄ CULVERT

BENCHMARK DATA

C.P. 2010 IR 70 STA. 83+89.09, ELEV. 893.59, OFFSET 128.57' LT.
C.P. 2011 IR 70 STA. 129+97.67, ELEV. 961.36, OFFSET 128.33' LT.

FOR ADDITIONAL BENCHMARK INFORMATION, SEE ROADWAY PLANS

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2030 ADT =	*18,460*	*2030 ADTT =*	*554*
2050 ADT =	*24,650*	*2050 ADTT =*	*740*

DIRECTIONAL DISTRIBUTION = 0.53

LEGEND

BORING LOCATION

HYDRAULIC DATA

DRAINAGE AREA = 1.88 SQ. MILES
Q (4% AEP) = 539 CFS *V (4% AEP) = 8.95 FT/S*
Q (1% AEP) = 787 CFS *V (1% AEP) = 10.79 FT/S*

EXISTING STRUCTURE

TYPE: 20'± X 10'± PRECAST CONCRETE BOX CULVERT

SPANS: 20'-0"± (NORMAL TO ℄ CULVERT)
ROADWAY: 16'-0"±
LOADING: HL-93
SKEW: 13° ± RF
WEARING SURFACE: ASPHALT
APPROACH SLABS: NONE
ALIGNMENT: TANGENT
CROWN: 3/16"±/FOOT
STRUCTURE FILE NUMBER: 2335816
DATE BUILT: 2014
DISPOSITION: TO BE REPLACED

PROPOSED STRUCTURE

TYPE: 16'-6" CORRUGATED METAL STRUCTURAL PLATE CULVERT WITH REINFORCED CONCRETE HEADWALLS

SPANS: 16'-6"
ROADWAY: VARIES TOE/TOE CURB
LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE
SKEW: 28°24'30.17" RF
WEARING SURFACE: ASPHALT
APPROACH SLABS: NONE
ALIGNMENT: 11°18'09" CURVE LEFT
CROWN: 0.016 FT/FT

COORDINATES: LATITUDE 39°56'19.64" N
LONGITUDE 82°46'22.59" W

SITE PLAN
BRIDGE NO. FAI-TR219-00.044
TAYLOR ROAD OVER TRIBUTARY TO BLACKLICK CREEK

SFN 2335817
DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP
DESIGNER BEH | CHECKER CCJ
REVIEWER ERK 05-01-25
PROJECT ID 96808
SUBSET 1 | TOTAL 6
SHEET P.1530 | TOTAL P.1535

FAI/LIC-IR 70-0.00/0.00

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ESTIMATED QUANTITIES				CALCULATED BY: / CHECKED BY:	DATE: / DATE:	
ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION		SEE SHEET NO.
202	11002	LS	-	STRUCTURE REMOVED, OVER 20 FOOT SPAN		
503	11100	LS	-	COFFERDAMS AND EXCAVATION BRACING		
503	21100		CY	UNCLASSIFIED EXCAVATION		
505	11100	LS	-	PILE DRIVING EQUIPMENT MOBILIZATION		
507	00500		FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		
507	00550		FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED		
509	10000		LB	EPOXY COATED STEEL REINFORCEMENT		
511	46010		CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING		
511	46510		CY	CLASS QC1 CONCRETE, FOOTING		
512	10100		SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		
518	21200		CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC		
518	40000		FT	6" PERFORATED CORRUGATED PLASTIC PIPE		
518	40012		FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE		
523	20000		EACH	DYNAMIC LOAD TESTING		
601	11001		SY	RIPRAP, TYPE D, AS PER PLAN		2 / 6
601	32200		CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER		
611	96560		FT	CONDUIT, WITH FIELD PAVING OF PIPE, 16'-6" DIA., TYPE A, 707.03		2 / 6

STANDARD DRAWINGS:

REFER TO THE FOLLOWING STANDARD DRAWINGS:

DM-1.1	*REVISED*	*1/17/2025*
HW-2.1	*REVISED*	*7/15/2022*

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA:

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI

DESIGN LOADING:

HL-93
FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/FT²

PILE DESIGN LOADS (FRICTION PILES):

THE ULTIMATE BEARING VALUE IS 275 KIPS PER PILE FOR THE HEADWALL PILES.

HEADWALL PILES:
12" C.I.P. PILES 45 FEET LONG, ORDER LENGTH
1 DYNAMIC LOAD TESTING ITEM

PROVIDE PLAIN CYLINDRICAL CASINGS WITH A MINIMUM PILE WALL THICKNESS OF 0.375 INCH FOR THE CAST-IN-PLACE REINFORCED CONCRETE PILES.

ITEM 601 - RIPRAP, TYPE D, AS PER PLAN:

CONSTRUCT A RIPRAP CUTOFF WALL PER DM-1.1 AT THE INLET.
CONSTRUCT A RIPRAP CUTOFF WALL PER DM-1.1 AND AS DETAILED ON SHEET 6 OF 6 AT THE OUTLET.

ITEM 611 - CONDUIT, WITH FIELD PAVING OF PIPE, 16'-6" DIA., TYPE A, 707.03:

ANCHOR BOLTS FOR ANCHORING BOTH ENDS OF THE METAL PIPE, MEETING ASTM A307 AND GALVANIZED ACCORDING TO ASTM A153, SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.

ABBREVIATIONS:

APPR.	*APPROACH*
B	*BOTTOM*
BRG.	*BEARING*
℄	*CENTERLINE*
CIP	*CAST-IN-PLACE*
CONST.	*CONSTRUCTION*
Ø	*DIAMETER*
DWG.	*DRAWING*
E.F.	*EACH FACE*
EL.	*ELEVATION*
ELEV.	*ELEVATION*
EQ.	*EQUAL*
EXT.	*EXTERIOR*
EX.	*EXISTING*
F.A.	*FORWARD ABUTMENT*
F.F.	*FAR FACE*
FTG.	*FOOTING*
F/F	*FACE TO FACE*
INT.	*INTERIOR*
LF.	*LEFT*
MAX.	*MAXIMUM*
MIN.	*MINIMUM*
N.F.	*NEAR FACE*
NPCPP	*NON-PERFOARATED CORRUGATED PLASTIC PIPE*
PCPP	*PERFORATED CORRUGATED PLASTIC PIPE*
PROP.	*PROPOSED*
O/O	*OUT TO OUT*
P.E.J.F.	*PREFORMED EXPANSION JOINT FILLER*
R.A.	*REAR ABUTMENT*
RT.	*RIGHT*
SPA.	*SPACE*
STA.	*STATION*
STD.	*STANDARD*
T	*TOP*
TYP.	*TYPICAL*

GENERAL NOTES & ESTIMATED QUANTITIES
BRIDGE NO. FAI-TR219-00.044
TAYLOR ROAD OVER TRIBUTARY TO BLACKLICK CREEK

SFN 2335817
DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP
DESIGNER BEH | CHECKER CCJ
REVIEWER ERK 05-01-25
PROJECT ID 96808
SUBSET 2 | TOTAL 6
SHEET P.1531 | TOTAL P.1535

FAI/LIC-IR 70-0.00/0.00

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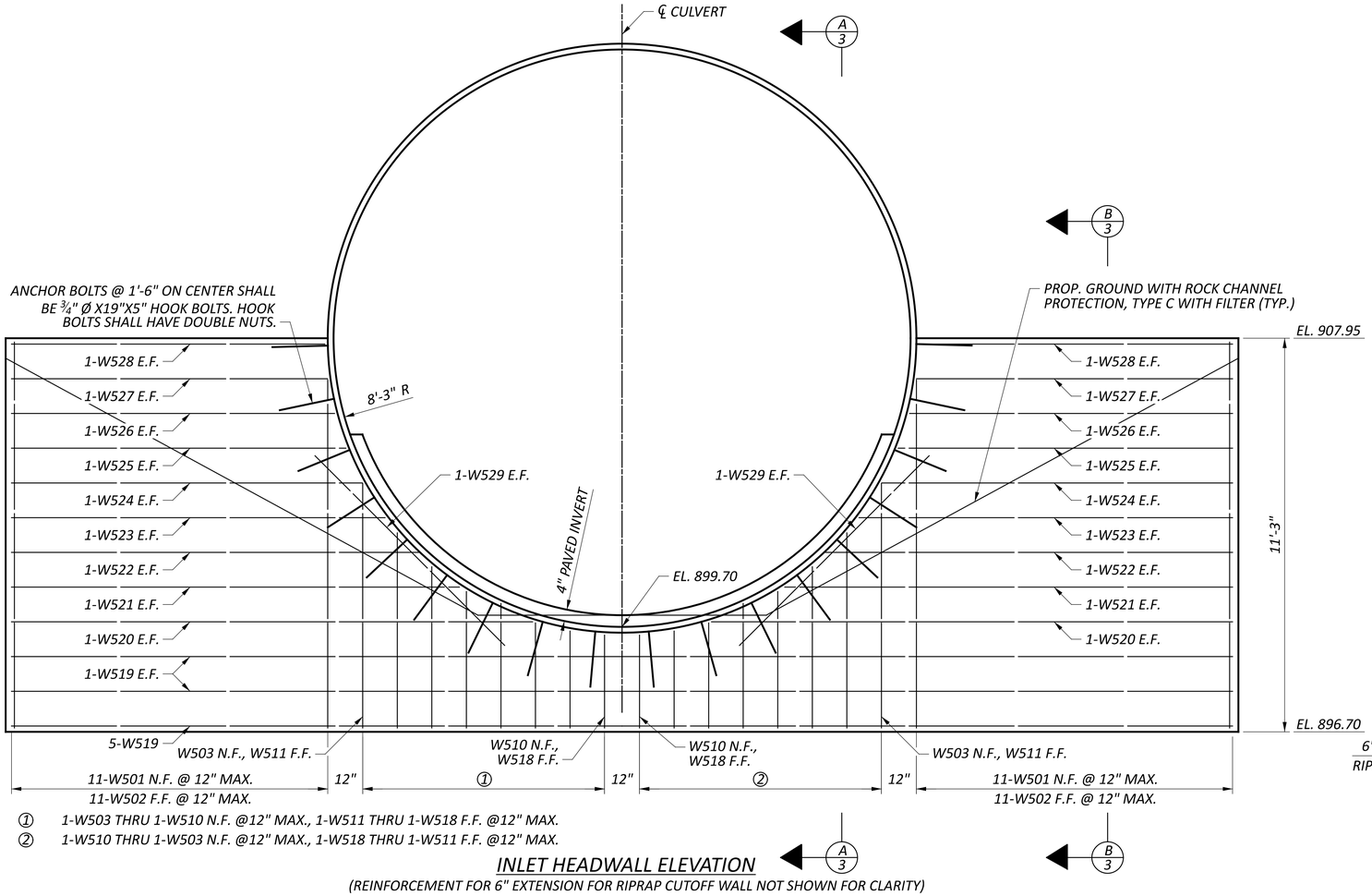
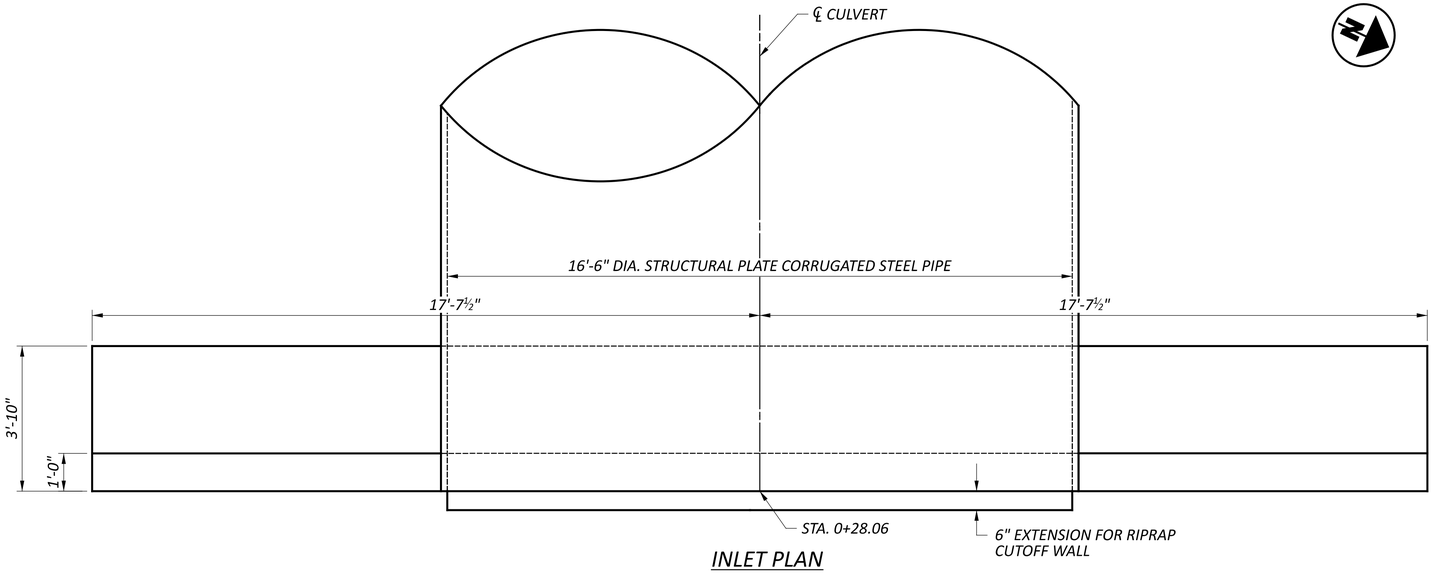
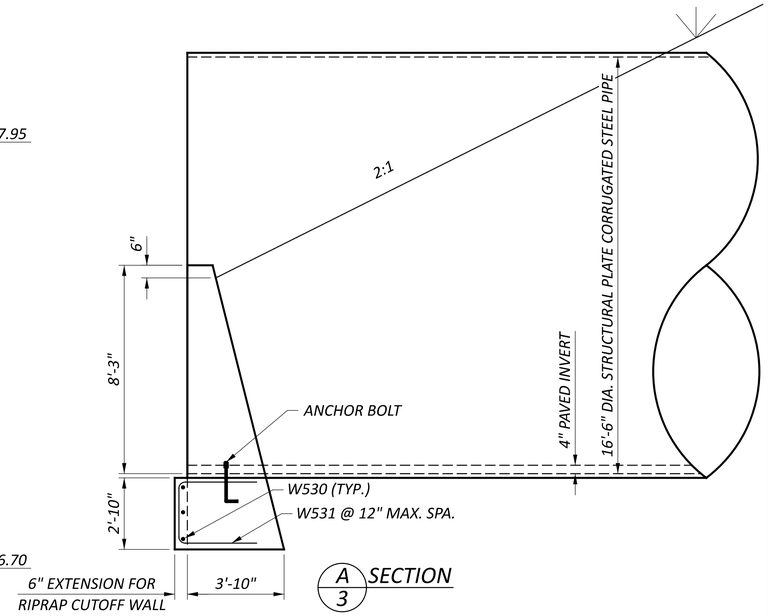


INLET HEADWALL ELEVATION

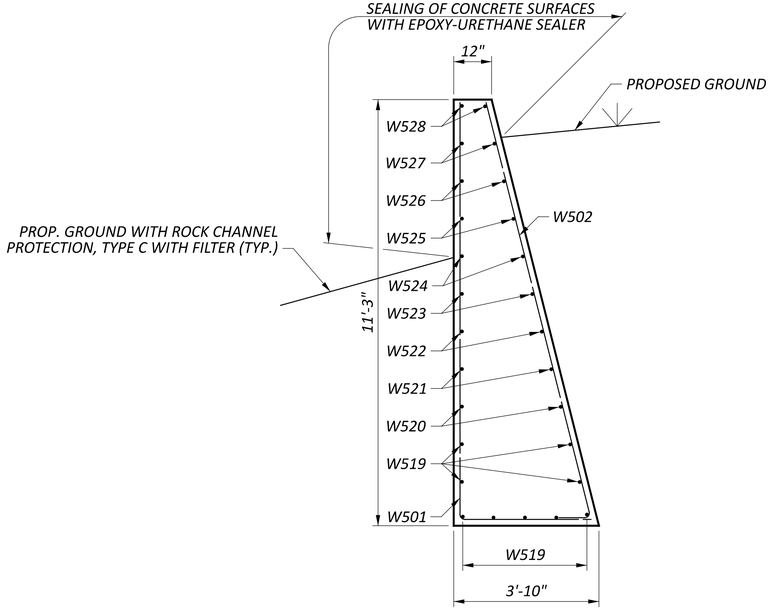
(REINFORCEMENT FOR 6" EXTENSION FOR RIPRAP CUTOFF WALL NOT SHOWN FOR CLARITY)



INLET PLAN



A 3 SECTION



B 3 SECTION

INLET HEADWALL ELEVATION
BRIDGE NO. FAI-TR219-00.044
TAYLOR ROAD OVER TRIBUTARY TO BLACKLICK CREEK

SFN 2335817

DESIGN AGENCY: COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER: ERK 05-01-25

PROJECT ID: 96808

SUBSET	TOTAL
3	6

SHEET	TOTAL
P.1532	P.1556

FAI/LIC-IR 70-0.00/0.00

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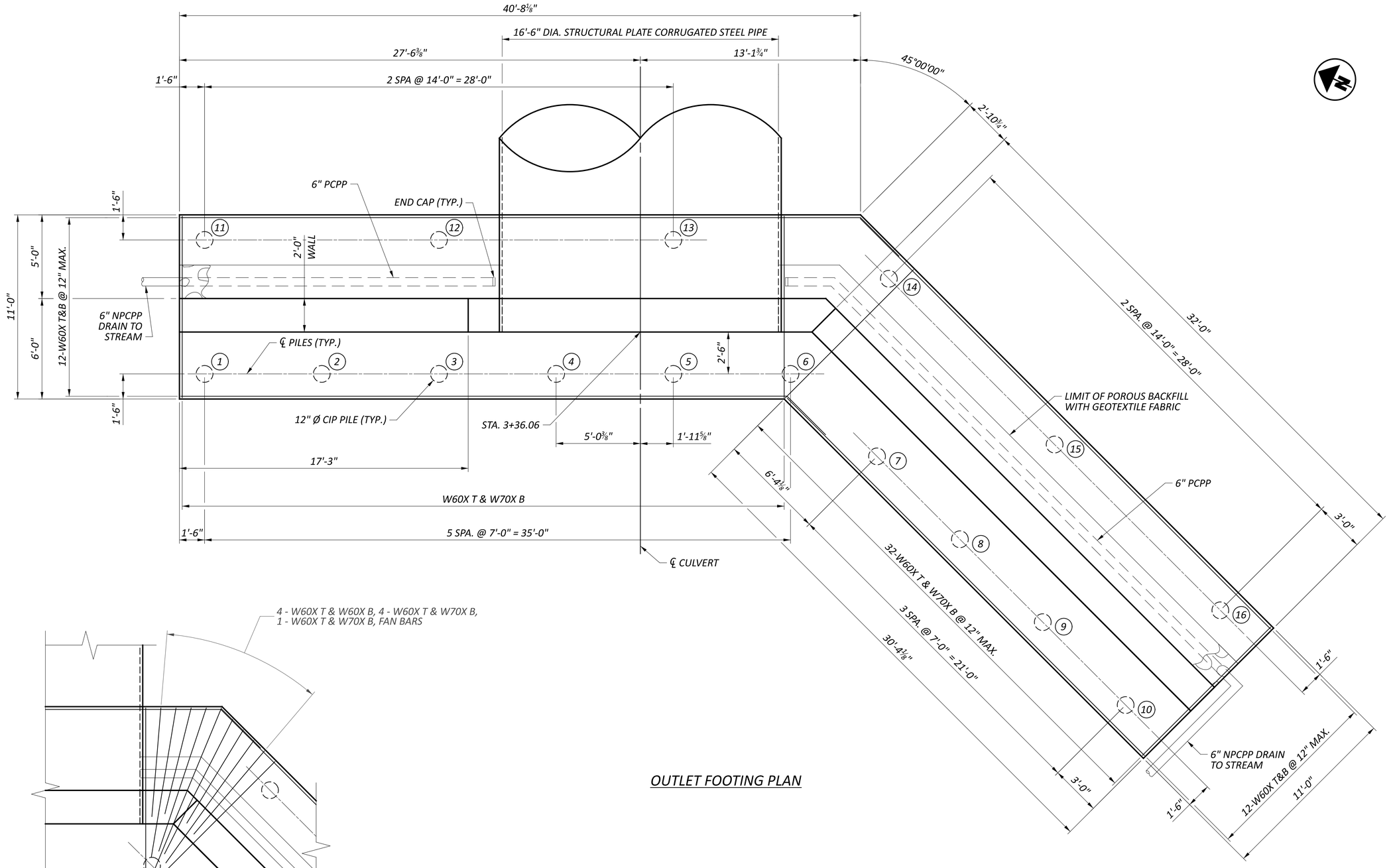

FOOTING PLAN BEND REBAR DETAIL

OUTLET FOOTING PLAN

LEGEND:

(1) - 12" CAST-IN-PLACE REINFORCED CONCRETE PILE NUMBER

NOTES:

1. MINIMUM LAP LENGTH: #5 BAR = 2'-5"

OUTLET FOOTING PLAN
BRIDGE NO. FAI-TR219-00.044
TAYLOR ROAD OVER TRIBUTARY TO BLACKLICK CREEK

SFN	2335817
DESIGN AGENCY	COMPASS INFRASTRUCTURE GROUP
DESIGNER	BEH
CHECKER	CCJ
REVIEWER	ERK 05-01-25
PROJECT ID	96808
SUBSET	4
TOTAL	6
SHEET	P.1533
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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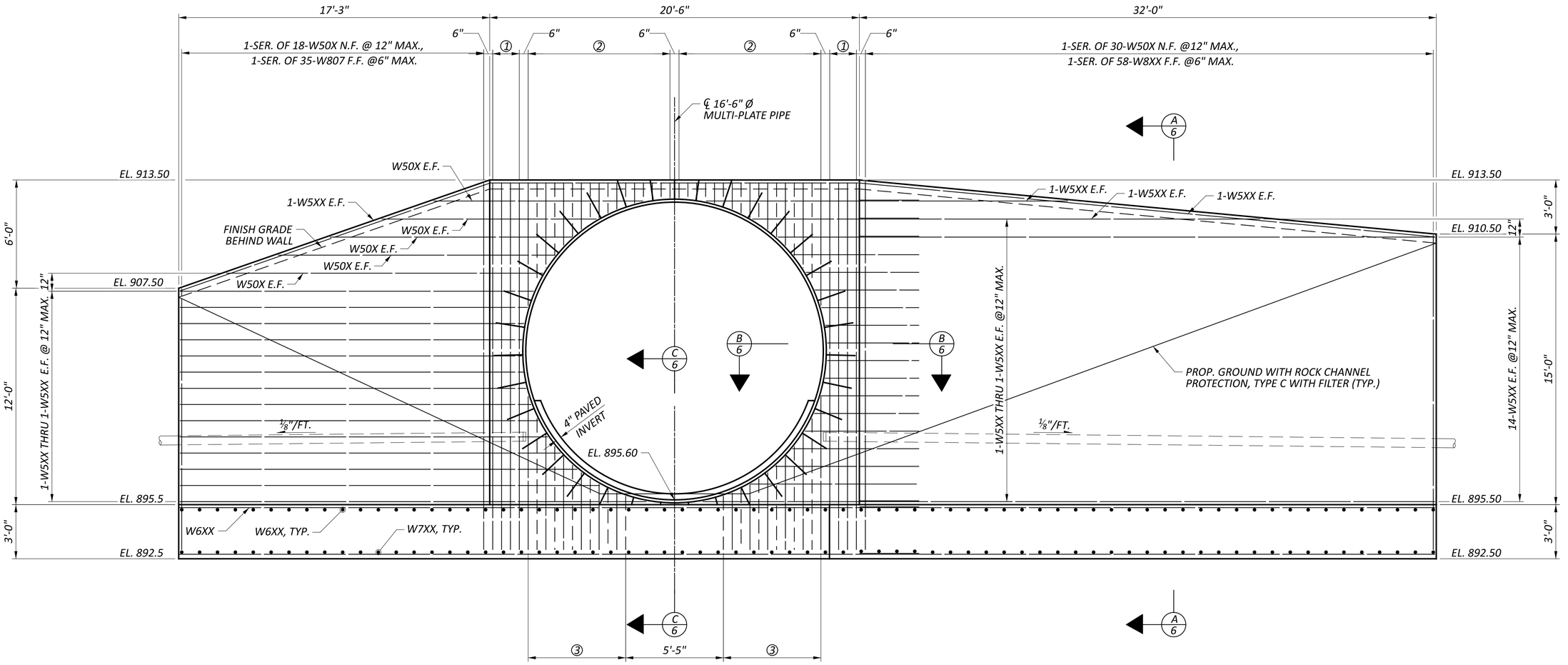

① 3-W50X N.F. @12" MAX., 5-W808 F.F. @6" MAX.
② 1-W809 THRU 1-W50X N.F. @12" MAX., 1-W809 THRU 1-W825 F.F. @6" MAX.
③ 1-W80X THRU 1-W50X N.F. @12" MAX., 1-W80X THRU 1-W80X F.F. @6" MAX.

OUTLET HEADWALL
(DEVELOPED VIEW)

NOTES:

1. ANCHORS AROUND CIRCUMFERENCE OF PIPE AT HEADWALL 18" ON CENTER SHALL BE ¾" Ø X 19"X5" HOOK BOLTS. HOOK SHALL BE CUT OFF AS NECESSARY TO ACCOMMODATE THE HEADWALL FOOTING NEAR THE INVERT OF THE PIPE. DOUBLE NUT EACH BOLT.
2. MIN. LAP LENGTH: #5 BAR = 2'-5"

OUTLET HEADWALL ELEVATION
BRIDGE NO. FAI-TR219-00.044
OVER TRIBUTARY TO BLACKLICK CREEK
TAYLOR ROAD

SFN 2335817

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER: ERK 05-01-25

PROJECT ID: 96808

SUBSET	TOTAL
5	6

SHEET	TOTAL
P.1534	P.1556

FAI/LIC-IR 70-0.00/0.00

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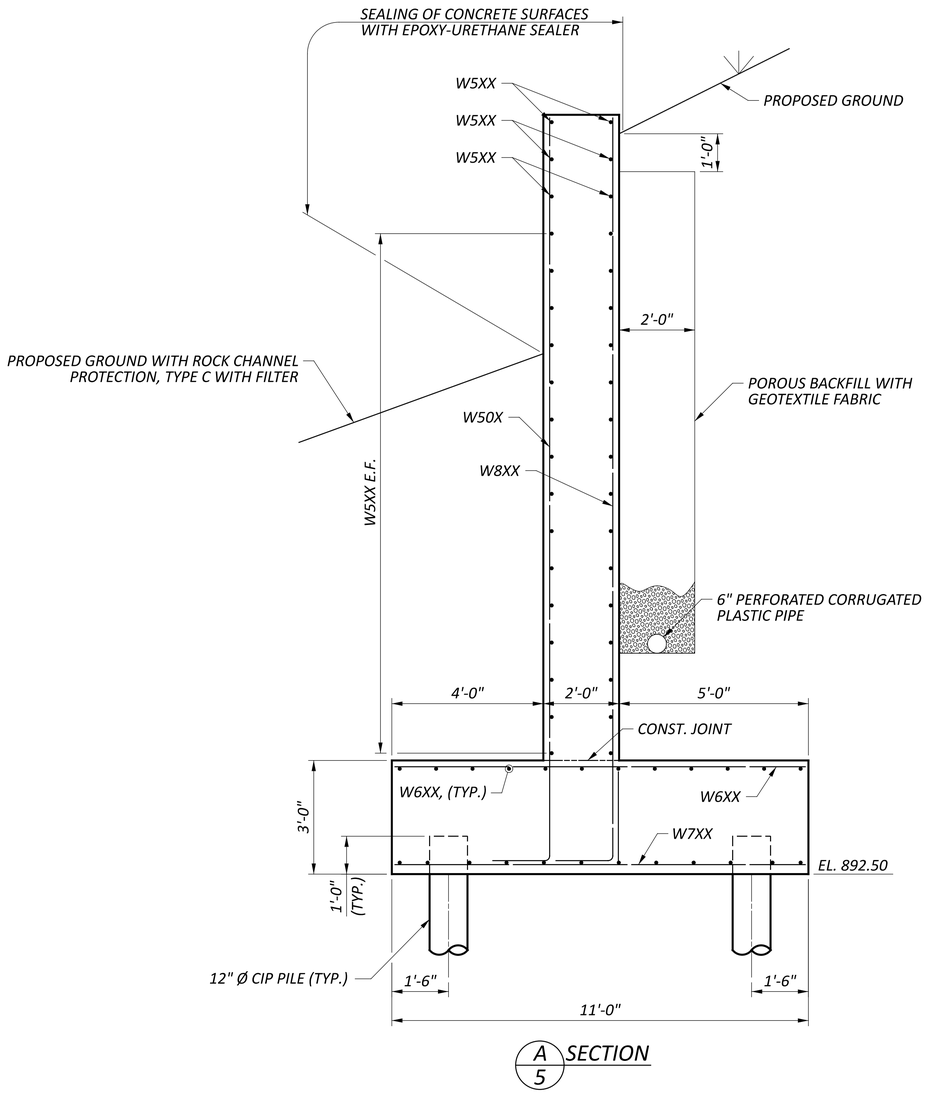
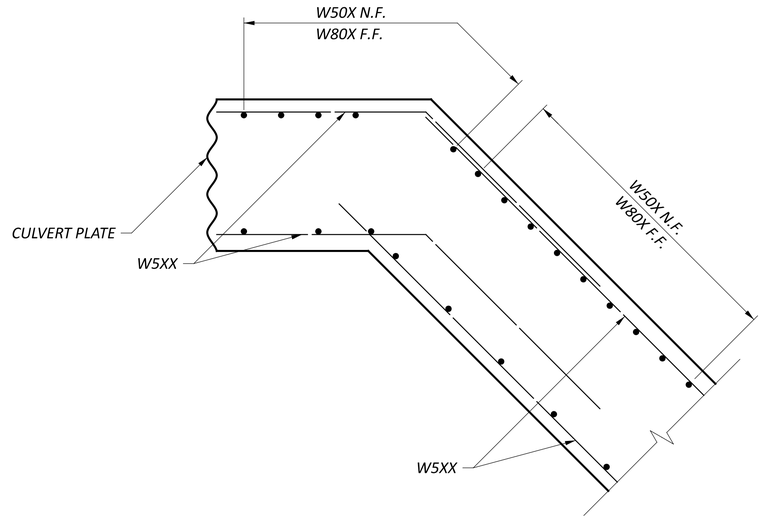


A/5 SECTION



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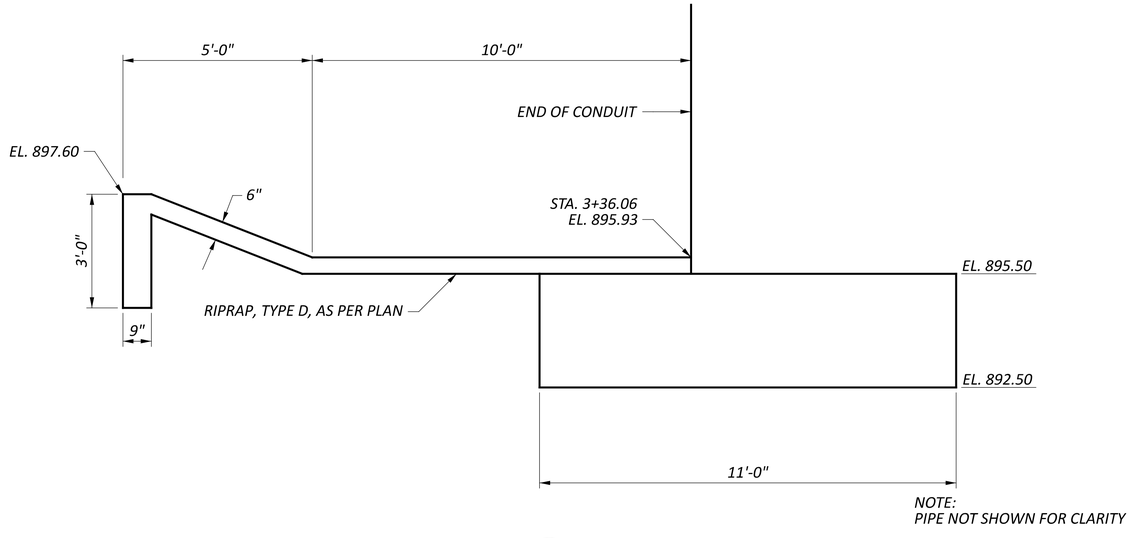

NOTE:
PIPE NOT SHOWN FOR CLARITY

C/5 SECTION

NOTES:

1. ANCHORS AROUND CIRCUMFERENCE OF PIPE AT HEADWALL 18" ON CENTER SHALL BE ¾" Ø X 19"X5" HOOK BOLTS. HOOK SHALL BE CUT OFF AS NECESSARY TO ACCOMMODATE THE HEADWALL FOOTING NEAR THE INVERT OF THE PIPE. DOUBLE NUT EACH BOLT.

OUTLET HEADWALL DETAILS
BRIDGE NO. FAI-TR219-00.044
TAYLOR ROAD OVER TRIBUTARY TO BLACKLICK CREEK

FAI/LIC-IR 70-0.00/0.00

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SFN 2335817

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	CHECKER
BEH	CCJ

REVIEWER
ERK 05-01-25

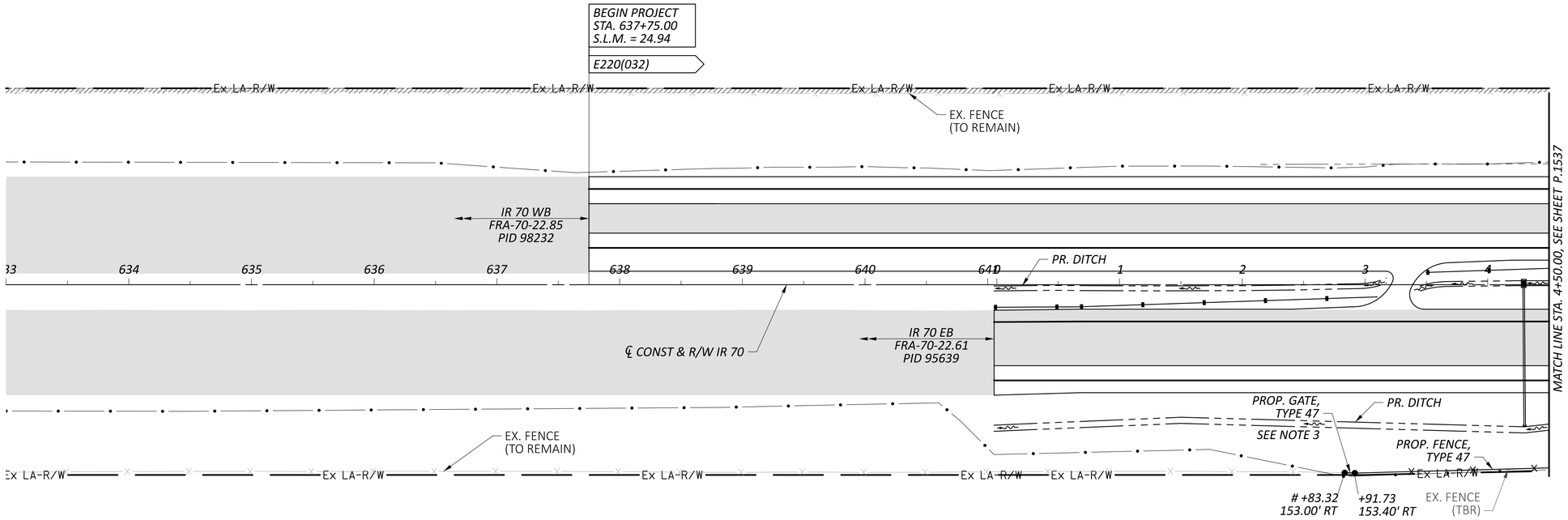
PROJECT ID
96808

SUBSET	TOTAL
6	6

SHEET	TOTAL
P.1535	P.1556

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70
2. # - TIE IN WITH EX. FENCE
3. INSTALL END POST ASSEMBLY ON EITHER SIDE OF THE GATE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 633+00.00 TO STA. 4+50.00

FAI/LIC-IR 70-0.00/0.00

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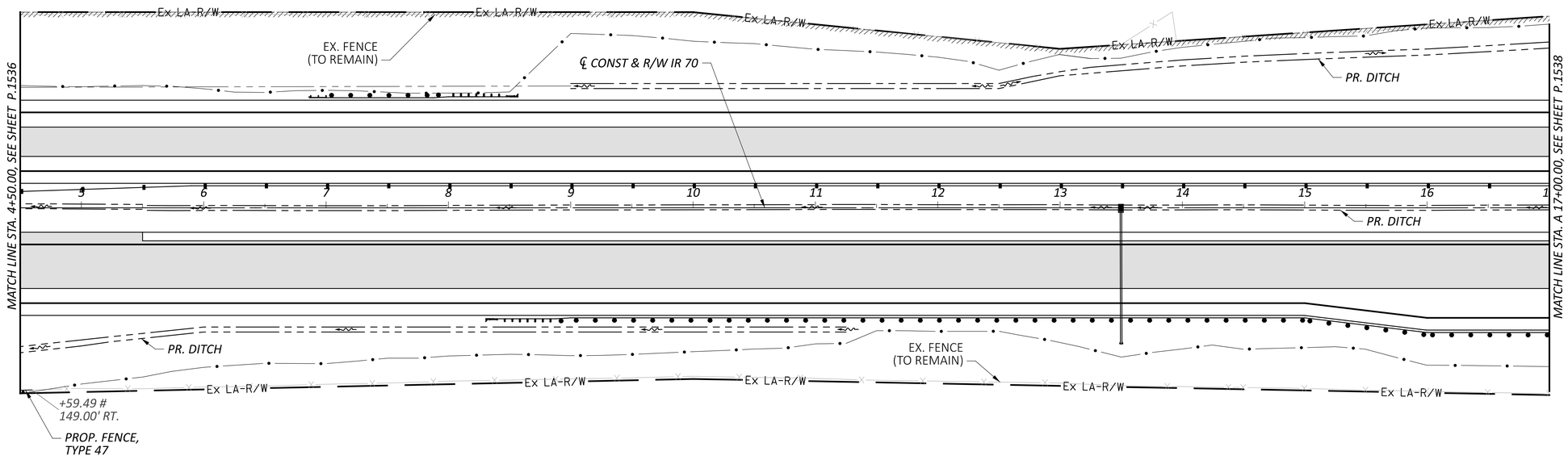
DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1536
TOTAL	P.1556

LEGEND

— • — - CONSTRUCTION LIMITS
- TIE IN WITH EX. FENCE



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

2. # - TIE IN WITH EX. FENCE

HORIZONTAL
SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 4+50.00 TO STA. 17+00.00

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
LSH

REVIEWER
JAH 4/14/2025

PROJECT ID
96808

SHEET P.1537 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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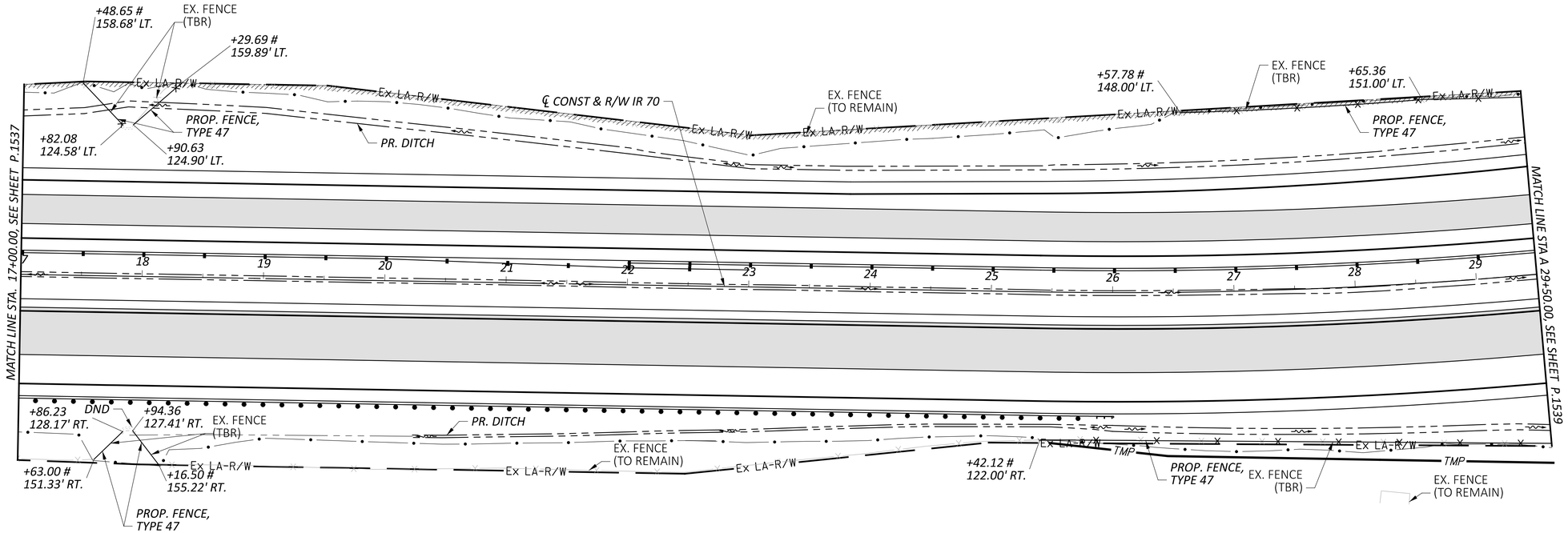
LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

2. # - TIE IN WITH EX. FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 17+00.00 TO STA. 29+50.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1538
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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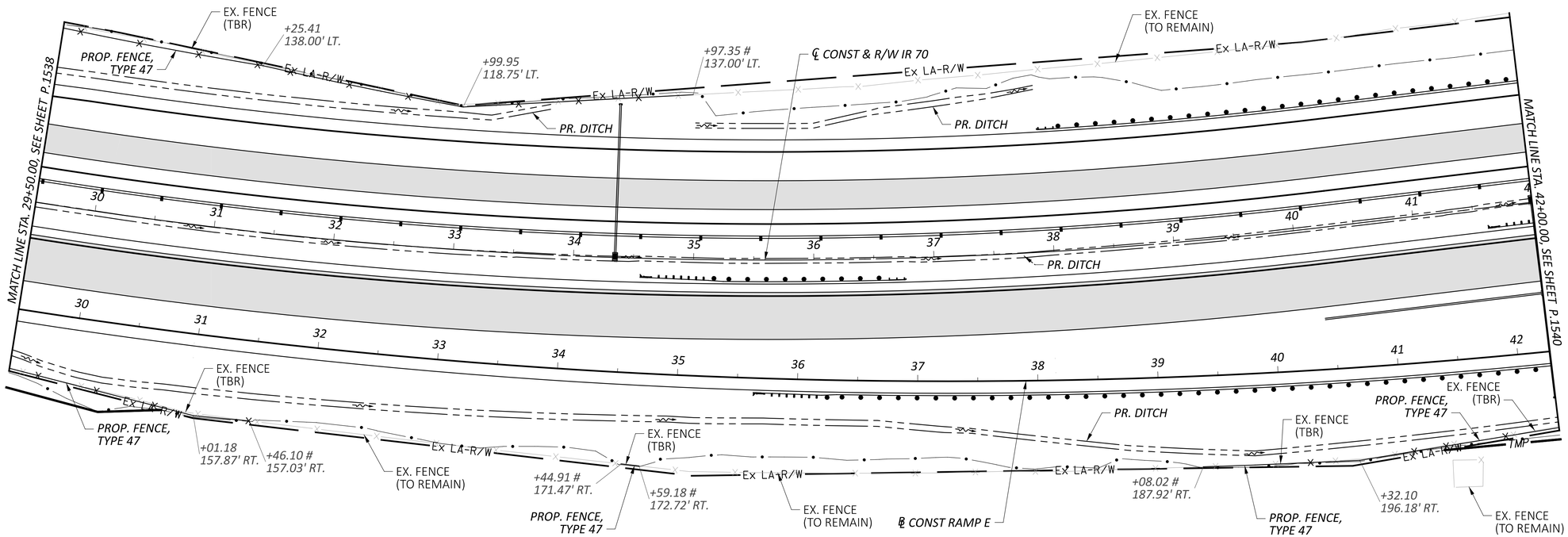
LEGEND

— • — - *CONSTRUCTION LIMITS*



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

2. # - TIE IN WITH EX. FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 29+50.00 TO STA. 42+00.00

FAI/LIC-IR 70-0.00/0.00

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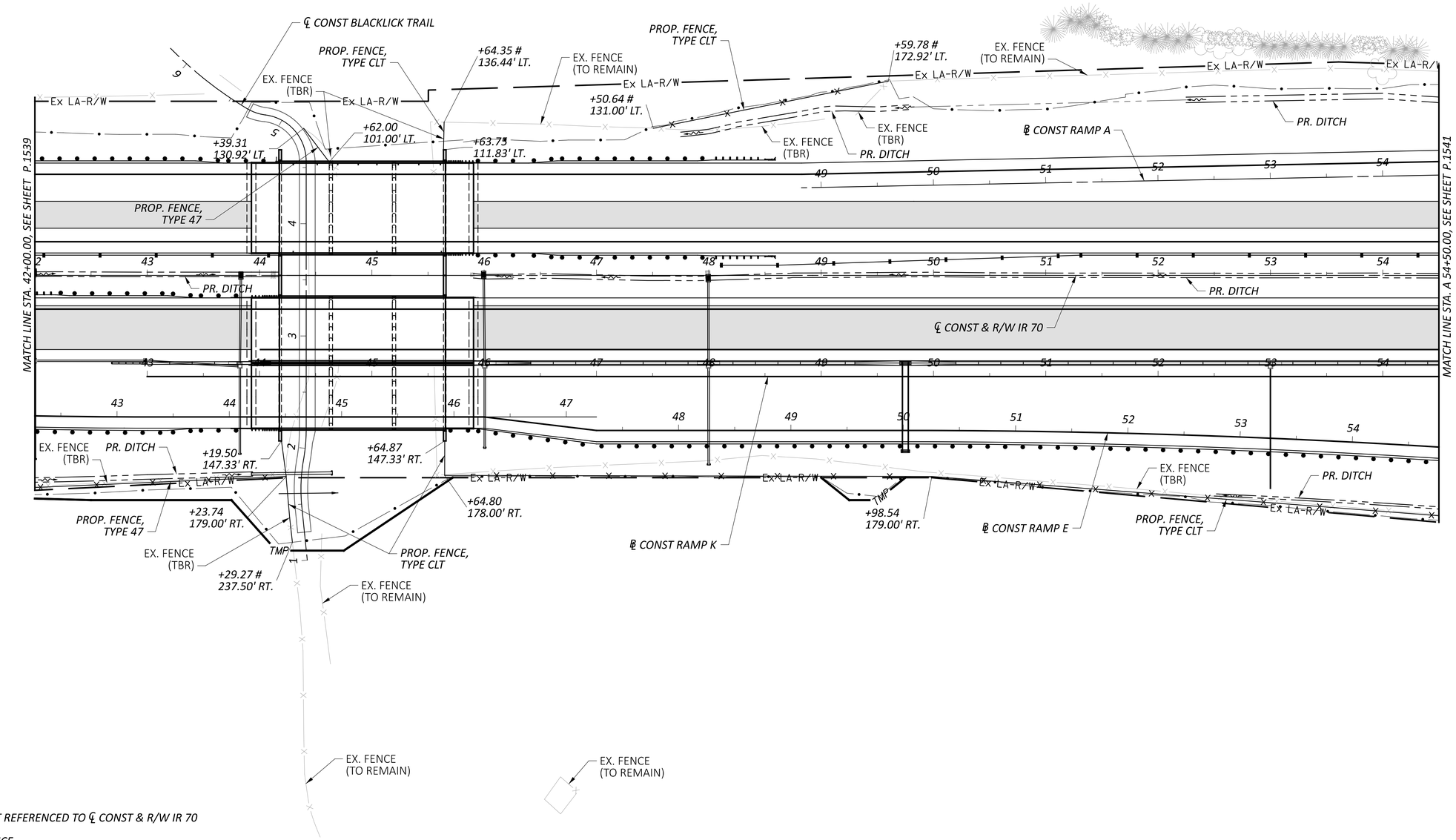
DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1539
TOTAL	P.1556

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70
2. #TIE IN WITH EX. FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 42+00.00 TO STA. 54+50.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1540
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

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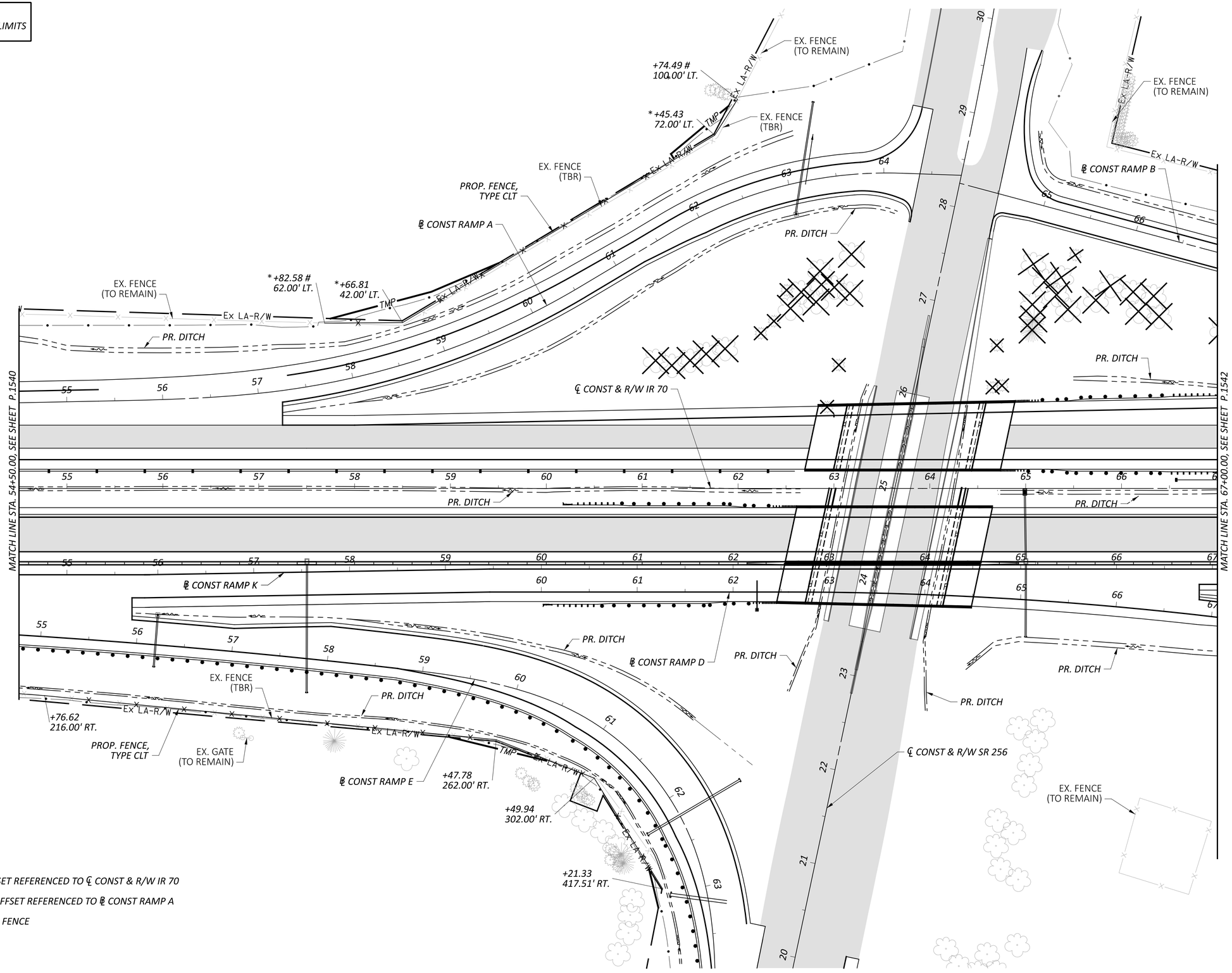
LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70
2. * - STATION AND OFFSET REFERENCED TO ℄ CONST RAMP A
3. # - TIE IN WITH EX. FENCE

HORIZONTAL SCALE IN FEET 0 25 50 100

FENCING PLAN - IR 70
STA. 54+50.00 TO STA. 67+00.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER LSH

REVIEWER JAH 4/14/2025

PROJECT ID 96808

SHEET P.1541 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

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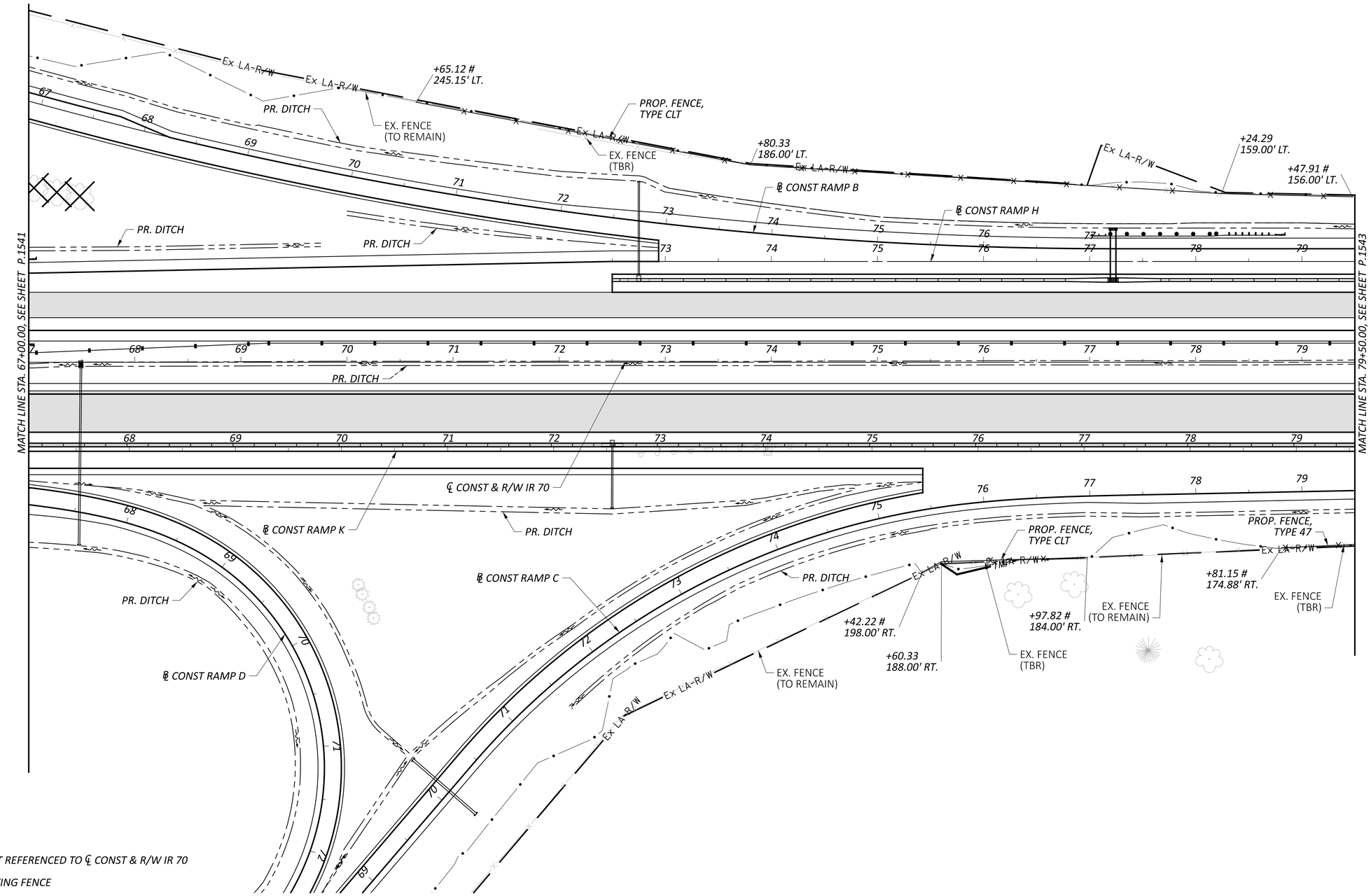
LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70
2. # - TIE IN WITH EXISTING FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 67+00.00 TO STA. 79+50.00

FAI/LIC-IR 70-0.00/0.00

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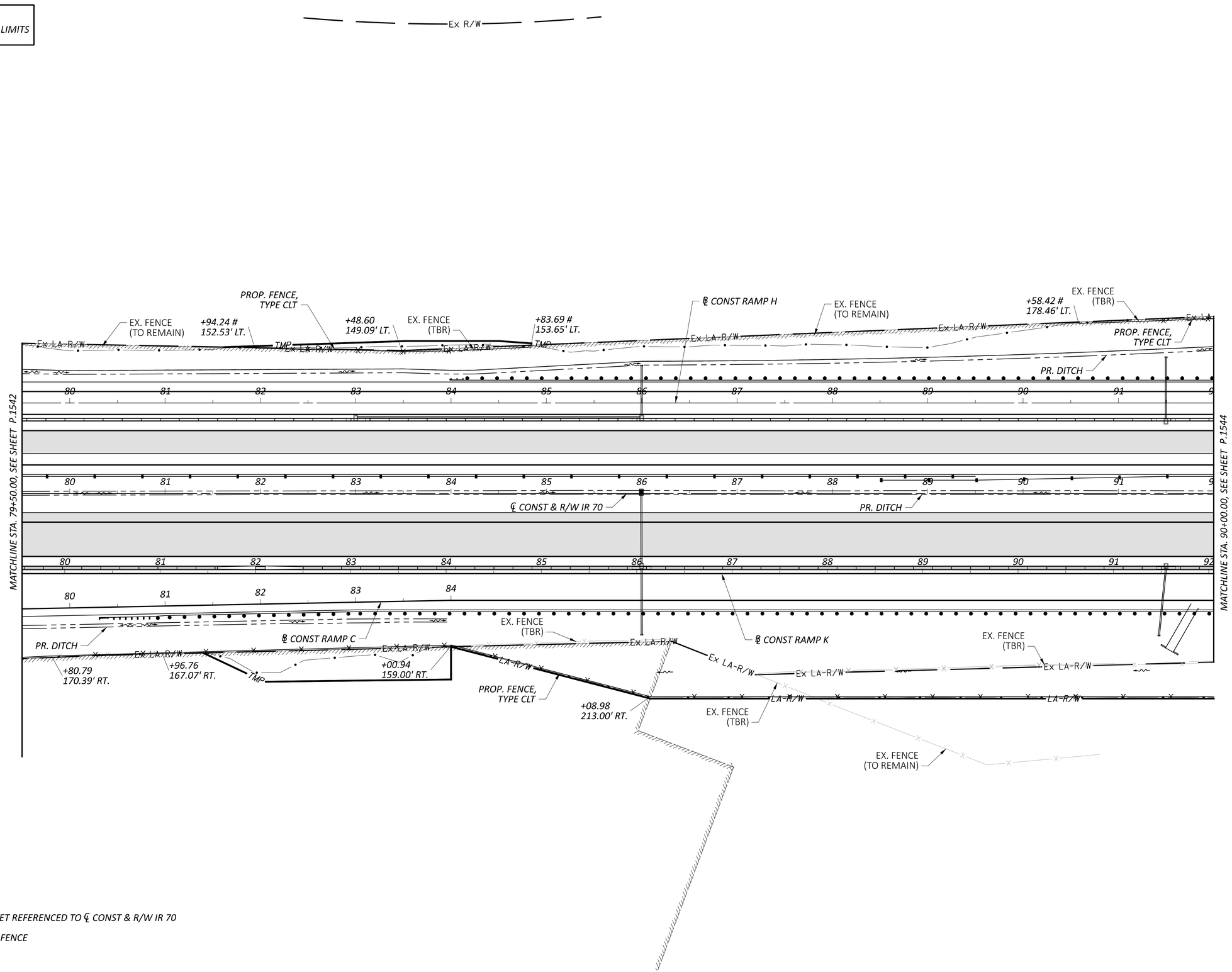
DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1542
TOTAL	P.1556

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70
2. # - TIE IN WITH EX. FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA.79+50.00 TO STA. 92+00.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

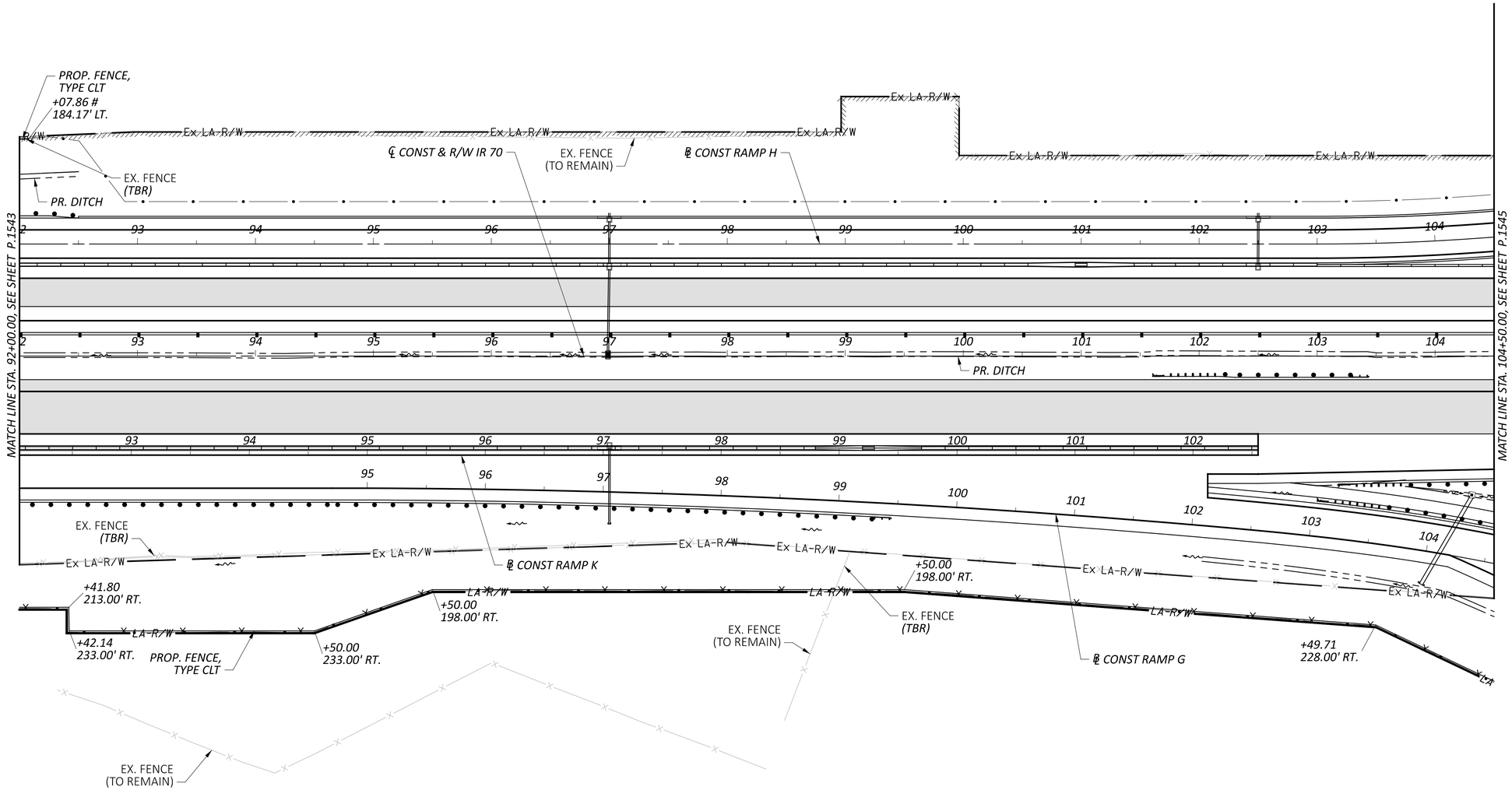
DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1543
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:05:21 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\402-Engineering_Compass\Roadway\Sheets\96808_GX408.dgn

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

- TIE IN WITH EXISTING FENCE

HORIZONTAL SCALE IN FEET

0 25 50 100

FENCING PLAN - IR 70
STA. 92+00.00 TO STA. 104+50.00

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1544
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 9 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:05:52 PM USER: brieder
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LEGEND
— • — - CONSTRUCTION LIMITS

FOR PROPOSED FENCE SEE SHEET P.1554

* +50.73
151.07' LT.

* +99.78
172.16' LT.

PROP. FENCE,
TYPE CLT

* +50.19
172.30' LT.

* +98.93
151.93' LT.

* +83.67
163.56' RT.

* +35.11
164.00' RT.

PR. DITCH

Ex LA-R/W

Ex SH

+25.00
288.00' LT.

+42.30
288.00' LT.

℄ CONST RAMP H

+50.00
248.00' LT.

+00.00
168.00' LT.

+77.87 #
166.00' LT.

EX. FENCE
(TO REMAIN)

EX. FENCE
(TBR)

℄ CONST RAMP I

℄ CONST & R/W IR 70

MATCH LINE STA. 104+50.00, SEE SHEET P.1544

MATCH LINE STA. 117+00.00, SEE SHEET P.1546

℄ CONST RAMP G

℄ CONST & R/W TAYLOR RD

℄ CONST RAMP J

PROP. FENCE,
TYPE CLT

+67.58 #
379.00' RT.

+14.28
329.35' LT.

+39.42
312.00' RT.

+18.49
412.00' RT.

+65.26
500.00' RT.

EX. FENCE
(TO REMAIN)

NOTES:

STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

* - STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

- TIE IN WITH EX. FENCE

FOR PROPOSED FENCE SEE SHEET P.1553

HORIZONTAL
SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 104+50.00 TO STA. 117+00.00

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
LSH

REVIEWER
JAH 4/14/2025

PROJECT ID
96808

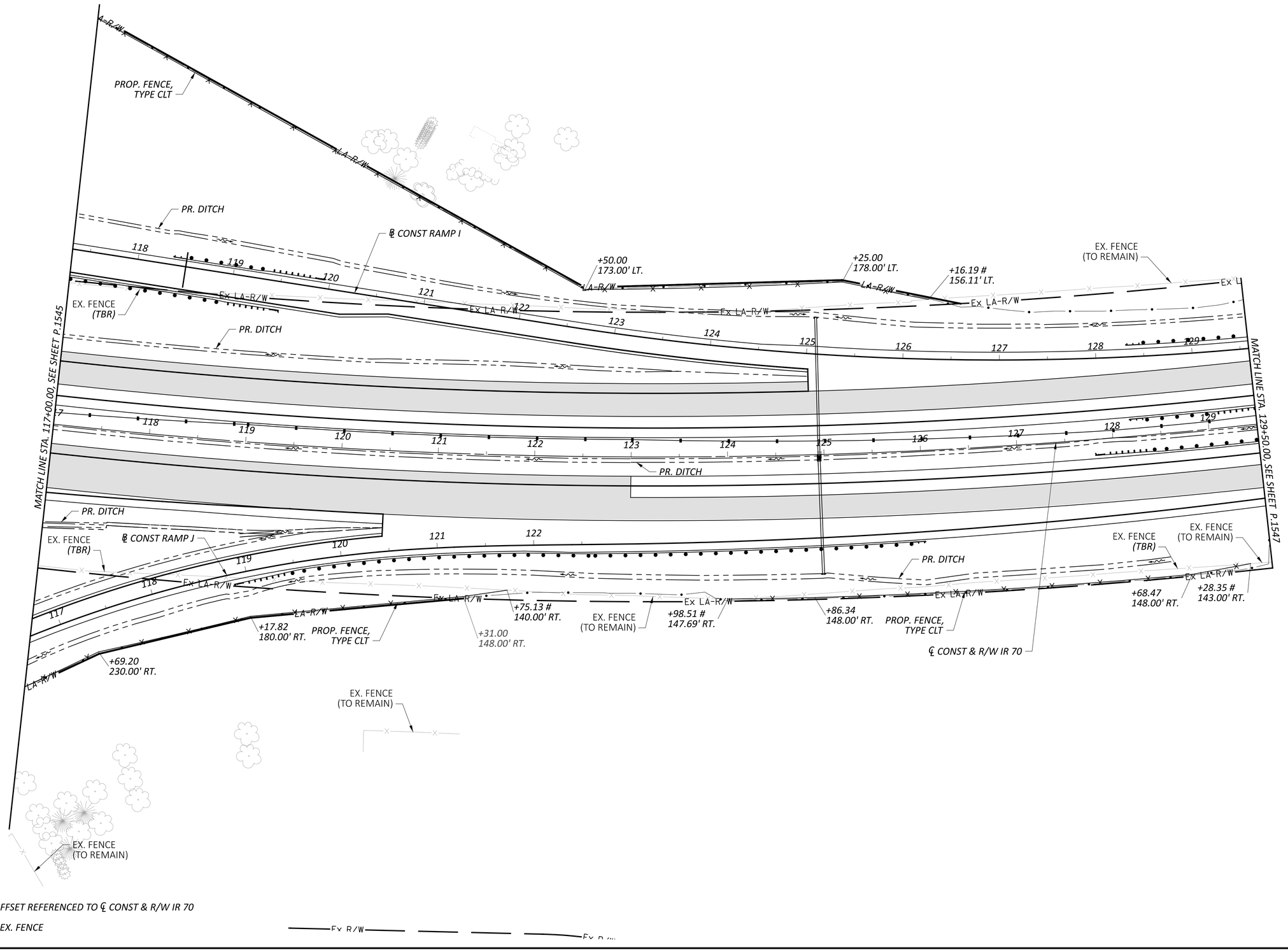
SHEET P.1545 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 10 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:06:28 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\402-Engineering_Compass\Roadway\Sheets\96808_GX410.dgn

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70
2. # - TIE IN WITH EX. FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 117+00.00 TO STA. 129+50.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER: LSH
REVIEWER: JAH 4/14/2025
PROJECT ID: 96808
SHEET: P.1546 | TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 11 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:07:11 PM USER: brieder
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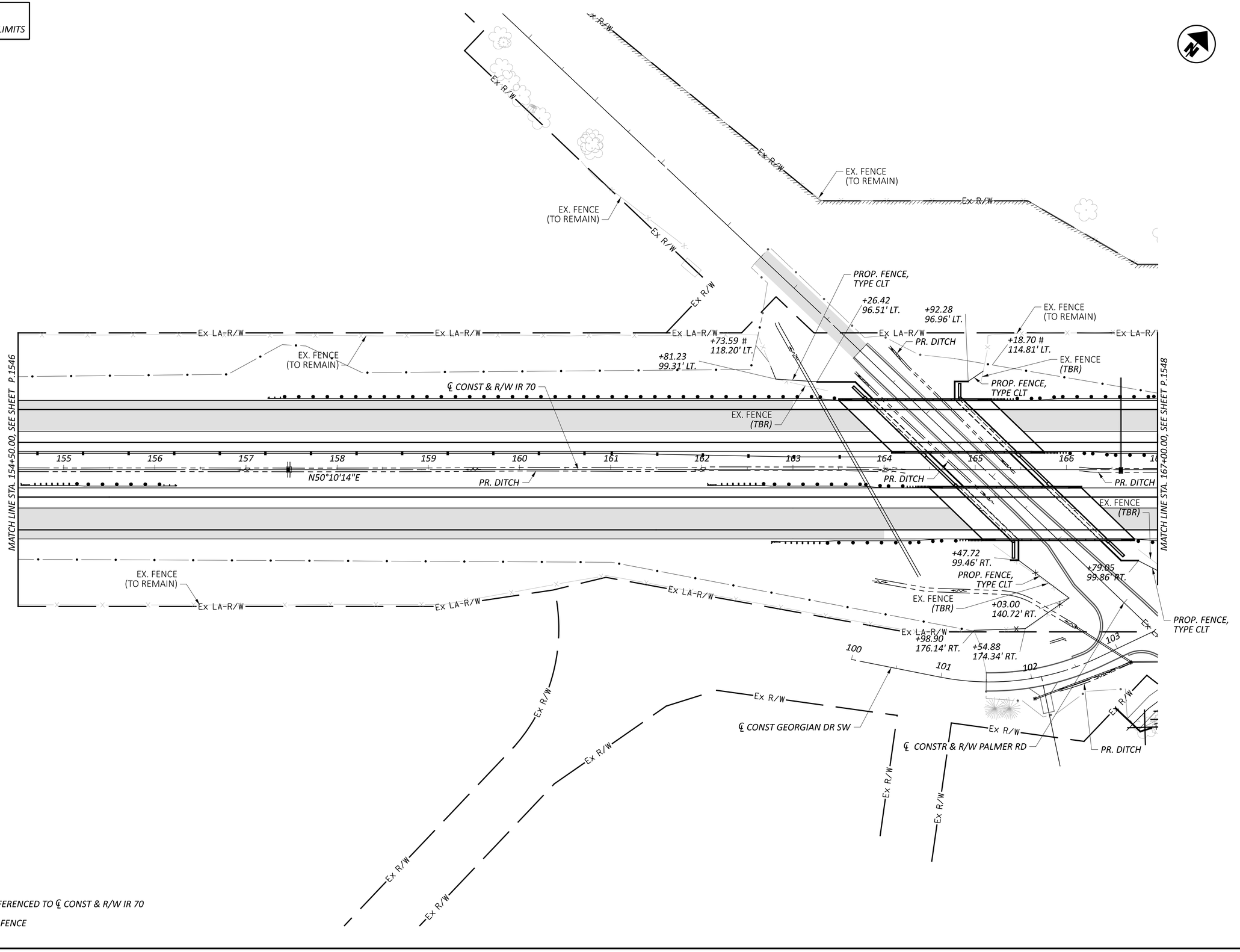
LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

- TIE IN WITH EXISTING FENCE

HORIZONTAL SCALE IN FEET

0 25 50 100

FENCING PLAN - IR 70
STA. 154+50.00 TO STA. 167+00.00

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1547
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_I070 - Plan 14 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:07:46 PM USER: brieder
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MODEL: CLP_I070 - Plan 15 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:08:06 PM USER: brieder
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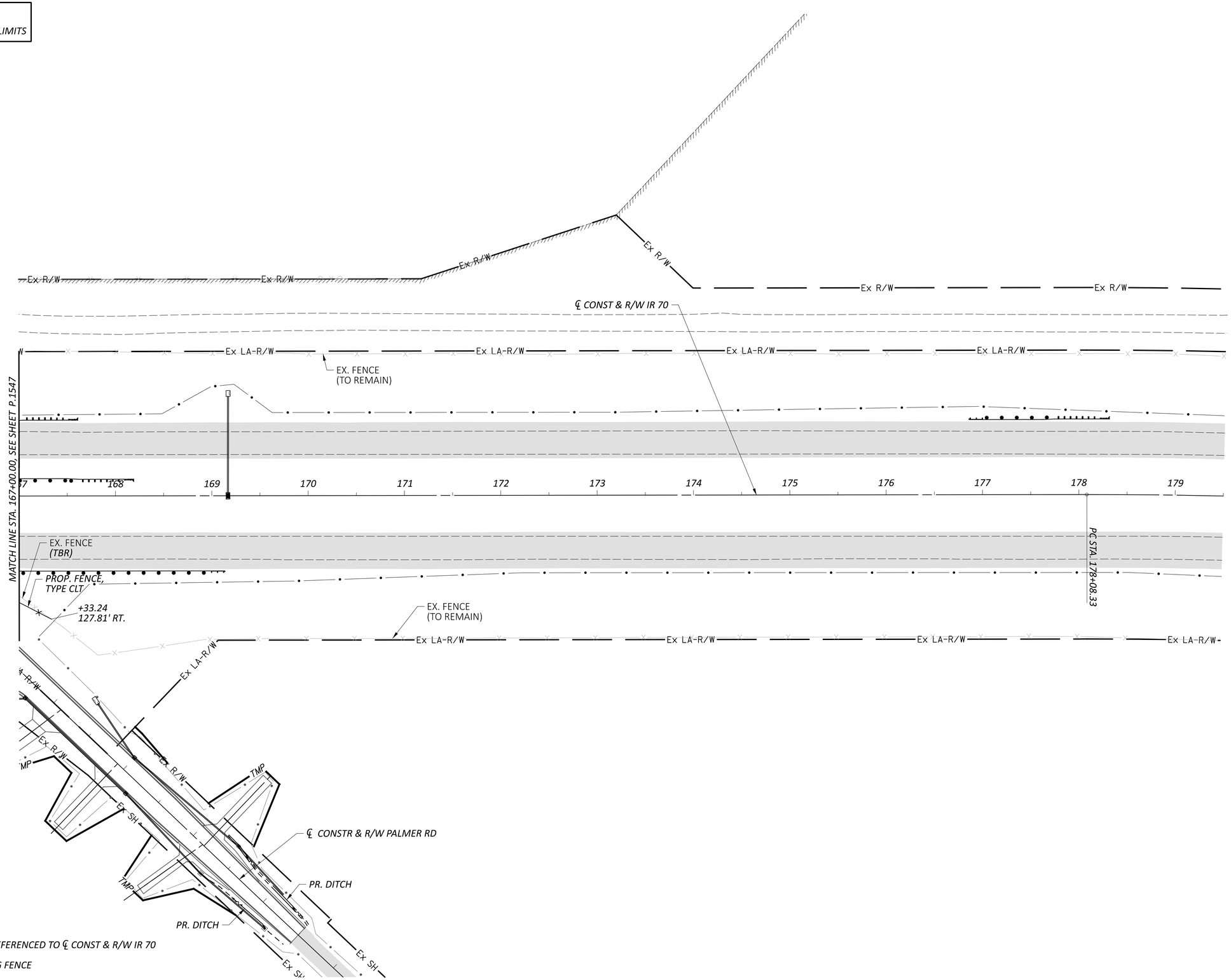
LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

STATION AND OFFSET REFERENCED TO ℄ CONST & R/W IR 70

 # - TIE IN WITH EXISTING FENCE

HORIZONTAL SCALE IN FEET
0 25 50 100

FENCING PLAN - IR 70
STA. 167+00.00 TO STA. 179+50.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

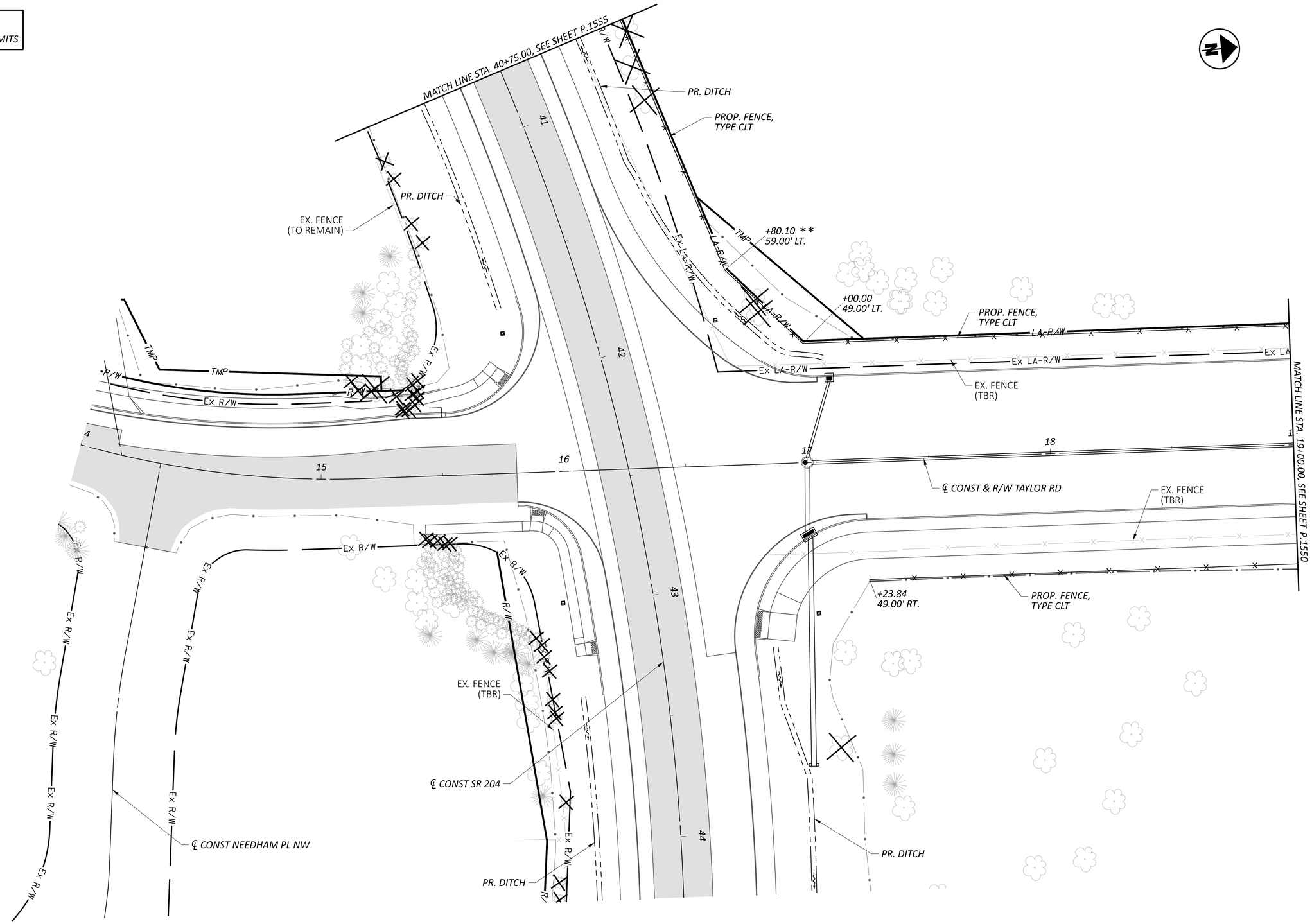
DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1548
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:08:27 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\402-Engineering_Compass\Roadway\Sheets\96808_GX453.dgn

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

*** - STATION AND OFFSET REFERENCED TO ℄ CONST SR 204*

HORIZONTAL SCALE IN FEET
0 10 20 40

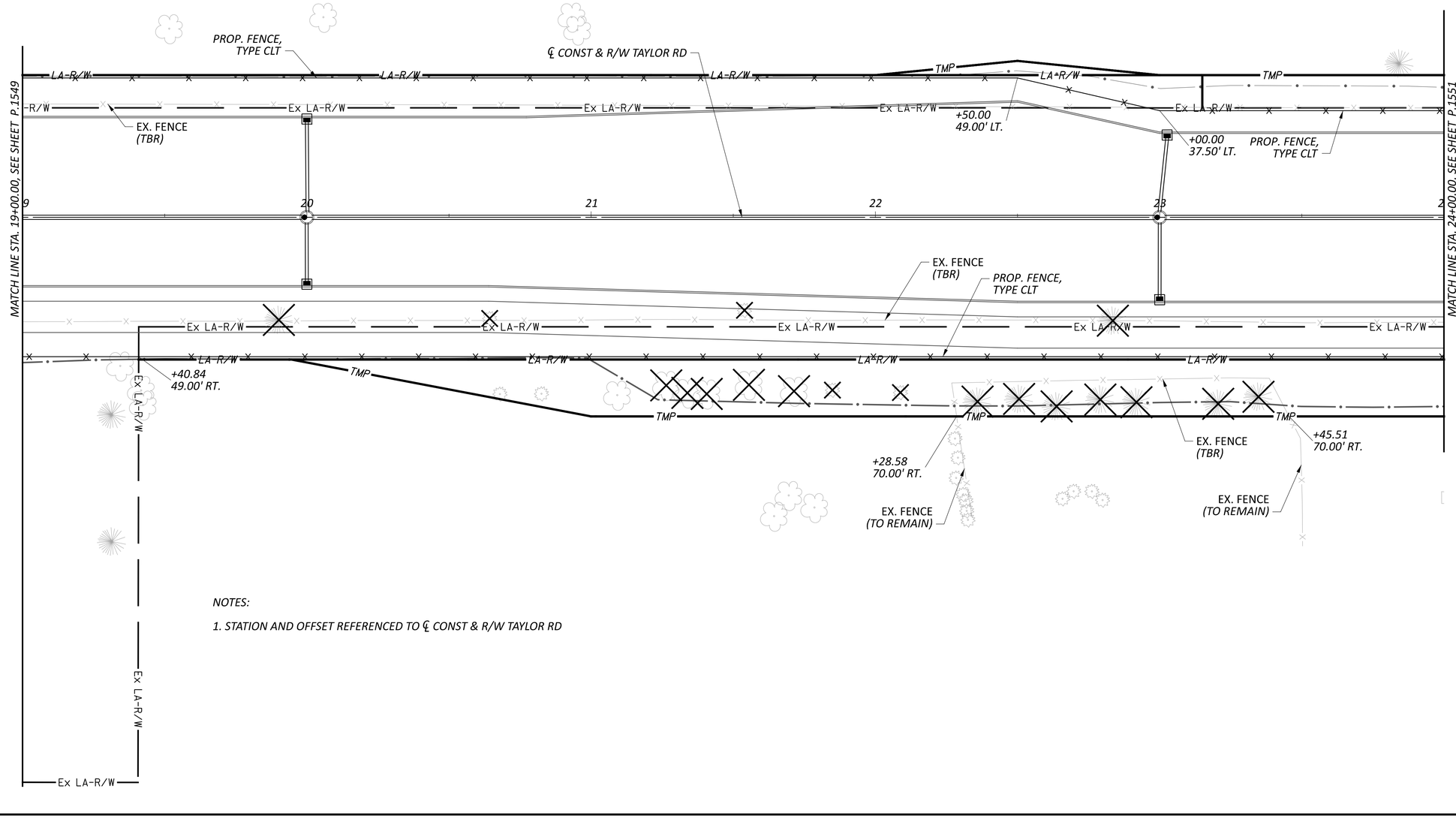
FENCING PLAN - WELLESLEY DRIVE AND TAYLOR ROAD
STA. 13+33.24 TO STA. 19+00.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1549
TOTAL	P.1556

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

HORIZONTAL SCALE IN FEET
0 10 20 40

FENCING PLAN - TAYLOR ROAD
STA. 19+00.00 TO STA. 24+00.00

DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER LSH

REVIEWER JAH 4/14/2025

PROJECT ID 96808

SHEET P.1550 TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:08:53 PM USER: brieder
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MODEL: CLP_TAYLOR - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:09:10 PM USER: brieder
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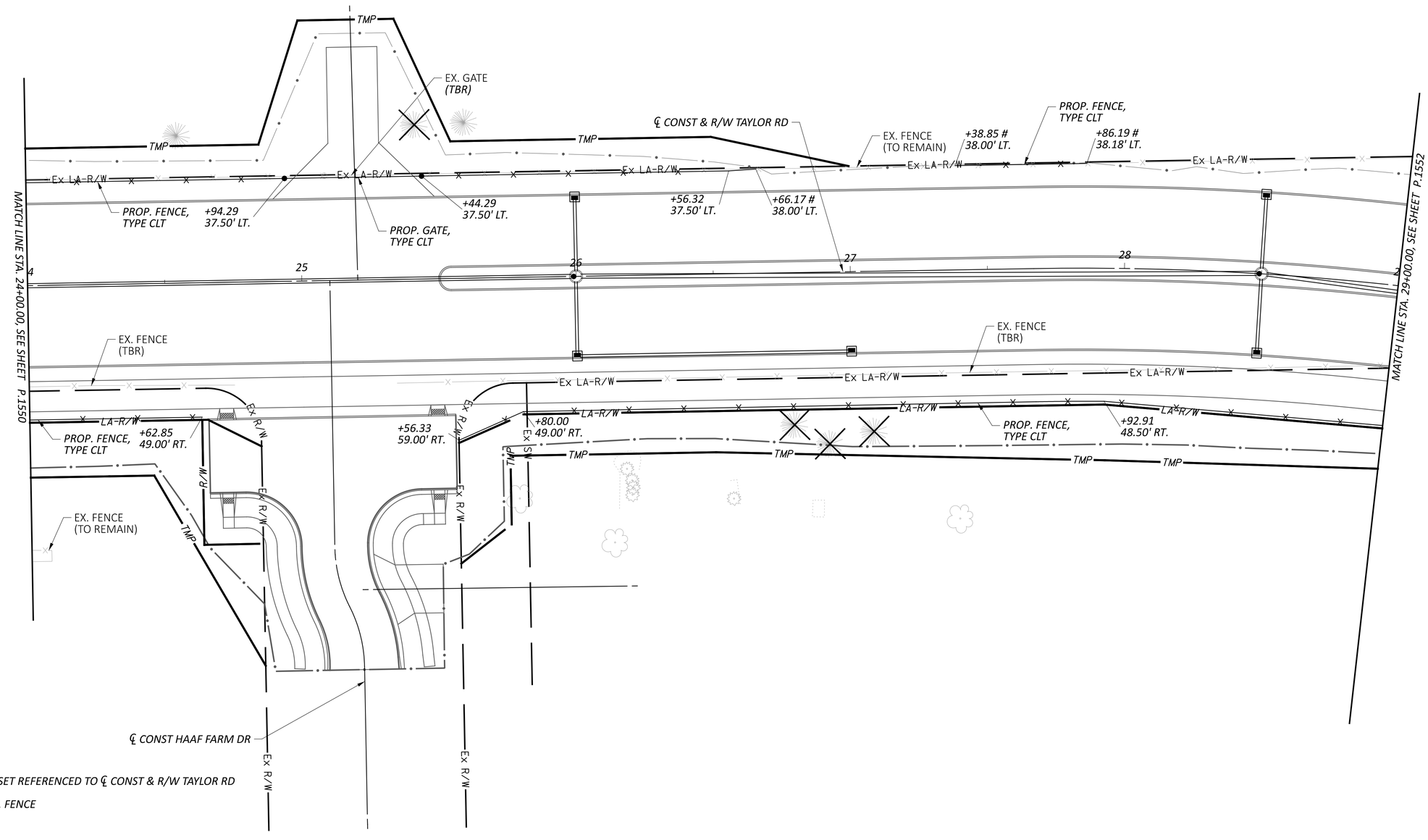
LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

2. # - TIE IN WITH EX. FENCE

HORIZONTAL
SCALE IN FEET
0 10 20 40

FENCING PLAN - TAYLOR ROAD
STA. 24+00.00 TO STA. 29+00.00

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
LSH

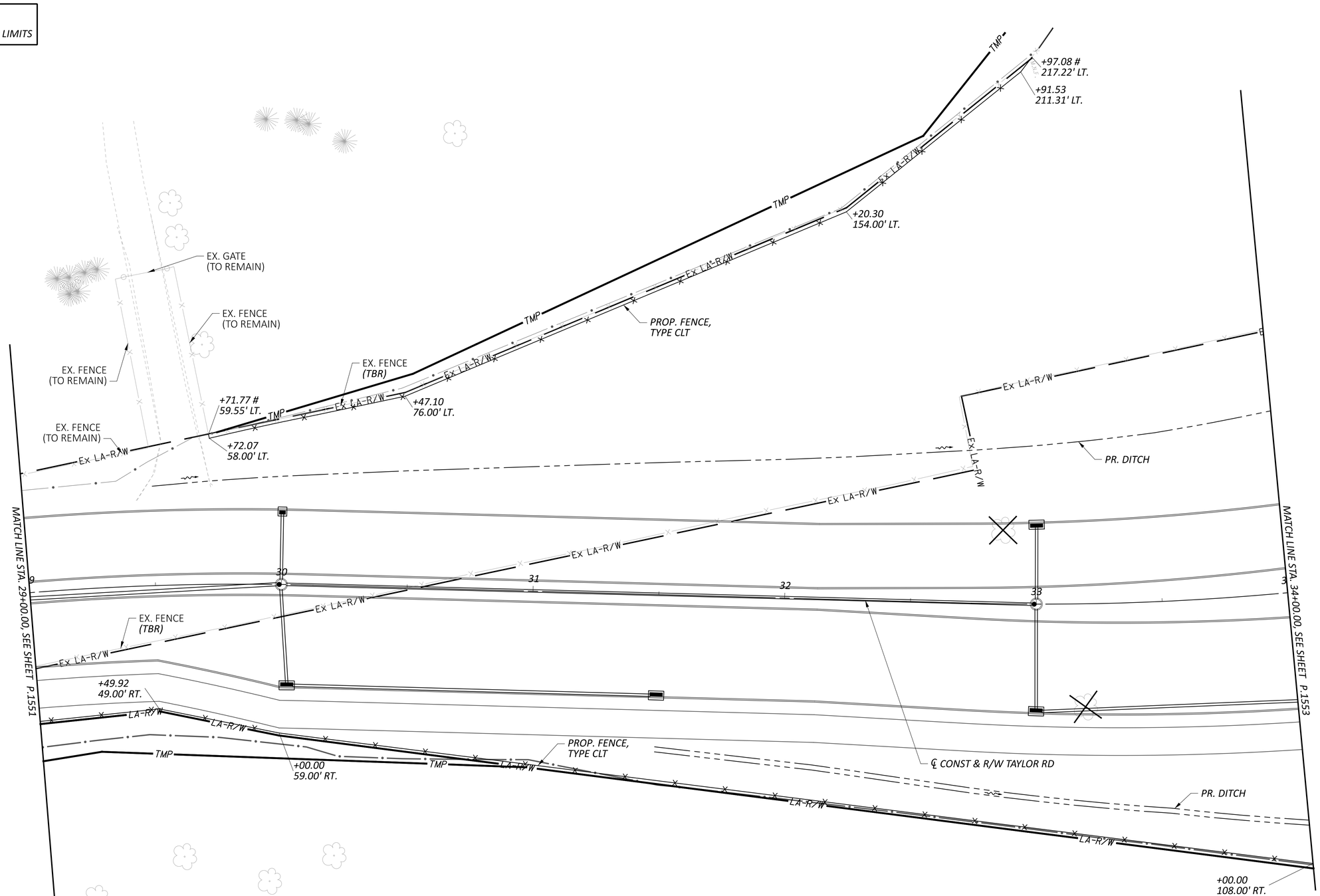
REVIEWER
JAH 4/14/2025

PROJECT ID
96808

SHEET P.1551 TOTAL P.1556

LEGEND

— • — - CONSTRUCTION LIMITS



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

2. # - TIE IN WITH EXISTING FENCE.

HORIZONTAL SCALE IN FEET

0 10 20 40

FENCING PLAN - TAYLOR ROAD
STA. 29+00.00 TO STA. 34+00.00

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER: LSH

REVIEWER: JAH 4/14/2025

PROJECT ID: 96808

SHEET: P.1552 TOTAL: P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:09:27 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\402-Engineering_Compass\Roadway\Sheets\96808_GX456.dgn

LEGEND

— • — - CONSTRUCTION LIMITS

EX. FENCE (TBR)

Ex LA-R/W

PR. DITCH

℄ CONST RAMP G

Ex SH

Ex

PR. DITCH

MATCH LINE STA. 34+00.00, SEE SHEET P.1552

34

35

36

37

38

39

℄ CONST & R/W TAYLOR RD

℄ CONST RAMP J

PR. DITCH

LA-R/W

PROP. FENCE, TYPE CLT

PR. DITCH

FOR FENCE ALONG RAMP J, SEE SHEET P.1545

+93.79
154.00' RT.

NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

HORIZONTAL SCALE IN FEET

0 10 20 40

FENCING PLAN - TAYLOR ROAD
STA. 34+00.00 TO STA. 39+00.00

DESIGN AGENCY

COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1553
TOTAL	P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 6 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:09:43 PM USER: brieder
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\96808\402-Engineering_Compass\Roadway\Sheets\96808_GX457.dgn

LEGEND

— • — - CONSTRUCTION LIMITS

+99.78
172.16' LT.

+50.73
151.07' LT.

PROP. FENCE,
TYPE CLT

SEE SHEET
P.1545

+50.19
172.30' LT.

CH

Ex R/W

LA-R/W

PR. DITCH

+00.00
77.00' LT.

℄ CONST & R/W TAYLOR RD

4

45

46

47

48

49

5

P.0363

+00.00
73.00' RT.

+00.00
144.00' RT.

+99.71
114.00' RT.

+35.11
164.00' RT.

+00.03
164.00' RT.

SEE SHEET
P.1545

PROP. FENCE,
TYPE CLT

NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONST & R/W TAYLOR RD

HORIZONTAL
SCALE IN FEET
0 10 20 40

FENCING PLAN - TAYLOR ROAD
STA. 44+00.00 TO STA. 50+00.00

DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
LSH

REVIEWER
JAH 4/14/2025

PROJECT ID
96808

SHEET P.1554 | TOTAL P.1556

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_TAYLOR - Plan 8 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:10:00 PM USER: brieder
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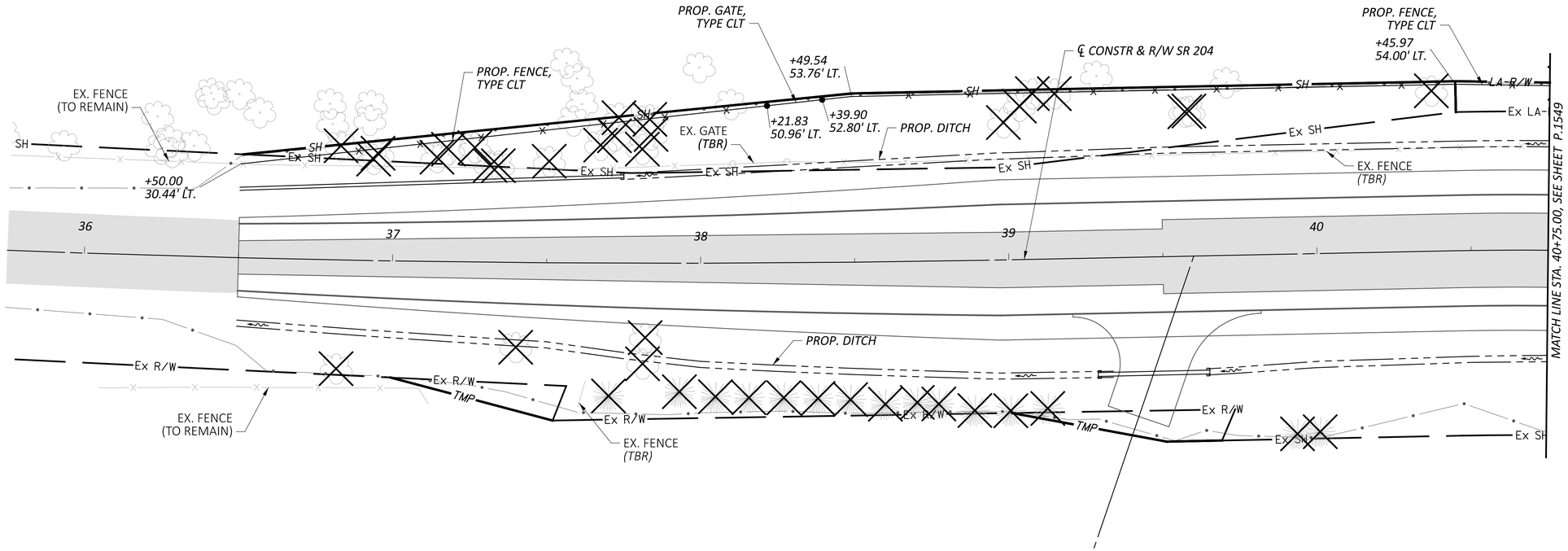
LEGEND

— • — - *CONSTRUCTION LIMITS*



NOTES:

1. STATION AND OFFSET REFERENCED TO ℄ CONSTR AND R/W SR 204

HORIZONTAL SCALE IN FEET
0 10 20 40

FENCING PLAN - SR 204
STA. 35+75.00 TO STA. 40+75.00

FAI/LIC-IR 70-0.00/0.00

MODEL: CLP_5204 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/2/2025 TIME: 7:10:24 PM USER: brieder
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DESIGN AGENCY
COMPASS INFRASTRUCTURE GROUP

DESIGNER	LSH
REVIEWER	JAH 4/14/2025
PROJECT ID	96808
SHEET	P.1555
TOTAL	P.1556