

No special mitigation areas required.

Utilities on this project are as follows:

MidAmerica Energy
Frontier Communications
City of Battle Creek

The current letting date is December 17, 2013.

You may indicate your acceptance or request additional information by e-mail.

YJ:DRM:mk

Attach.

cc:	M. J. Kennerly	N. L. McDonald
	K. D. Nicholson	G. A. Novey
	D. E. Ohman	D. R. Claman
	R. L. Stanley	J. P. Rost
	Judy Lensing	S. C. Marler
	E. J. Ranney	L. C. Funnell
	D. A. Widick	T. L. Gettings
	S. J. Gent	M. A. Swenson
	T. Crouch	J. W. Smith
	E. C. Wright	D. A. Popp
	J. Vortherms	B. Bradley
	Tony Lazarowicz	J. N. McCollough
	Shane Tymkowicz	Douglas Manley

D-5 Checklist

- X D-5 shell letter completed
- X Complete x-sections available
- X Plans and cross section files have been sheeted for batch plotting.
- N/A Culverts and structures complete
- N/A Overhead signs and signals preliminary location identified.
- N/A Structure TS+L for all 4' and larger, pipes or culverts.
- N/A Entrance (PDA) locations match access control letter
- X Entrance profile(s) on the plans and x-sections
- N/A Stability berms completed
- N/A Final ditching done
- N/A Borrows identified
- N/A Wetland ROW requirements identified
- X Plan sheets checked for Township Range, scale, and other details
- X Plan sheets PDFs created and check printed
- N/A Tab sheet for special needs included
- X Utility Legend



Iowa Department of Transportation

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

IDA COUNTY

PCC PAVEMENT - GRADE AND REPLACE

ON IA. 175 (FIRST STREET) IN BATTLE CREEK FROM WALNUT STREET N.E. TO CHESTNUT STREET (E. JCT. CO. RD. L-51)

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.15 of the Specifications.



REVISIONS

TOTAL

PROJECT IDENTIFICATION NUMBER

05-47-175-010

PROJECT NUMBER

STPN-175-3(50)--2J-47

R.O.W. PROJECT NUMBER

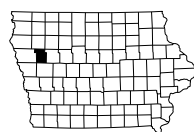
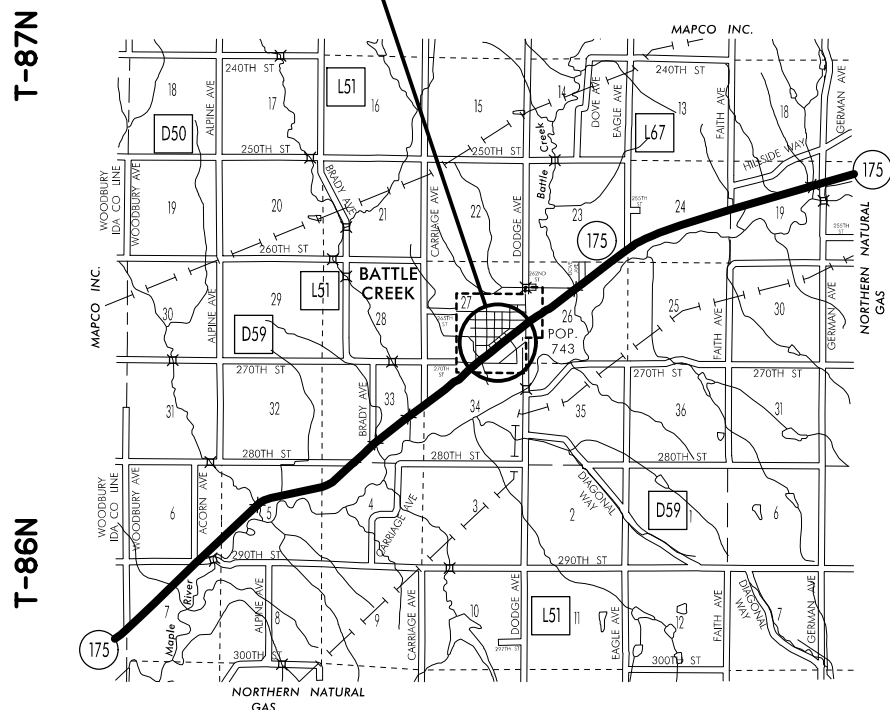
STPN-175-3(51)--2J-47

LETTING DATE
DEC. 17, 2013

GRADE AND REPLACE
STPN-175-3(50)--2J-47

IDA COUNTY

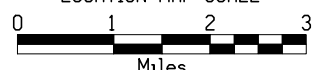
PROJECT LOCATION
SEE SHEET A.2



R-41W

R-40W

LOCATION MAP SCALE



MILEAGE SUMMARY

Div.	Location	Lin. Ft.	Miles
1	Urban: City of Battle Creek Sta. 788+00.00 to 796+18.81 Sta. 803+34.33 to 816+00.00	818.81 1,265.67	
	Total Length of Project	2,083.48	0.395

04-30-02 WALNUT TO MAPLE 101-5

DESIGN DATA URBAN

2014 AADT 1,683 V.P.D.
 2034 AADT 2,424 V.P.D.
 2034 DHV -- V.P.H.
 TRUCKS 18 %
 Total
 Design ESALs --

04-30-02 IDA TO CHESTNUT 101-5

DESIGN DATA URBAN

2014 AADT 2,036 V.P.D.
 2034 AADT 2,918 V.P.D.
 2034 DHV -- V.P.H.
 TRUCKS 15 %
 Total
 Design ESALs --

PROJECT SCHEDULE

P9 EVENT	06-19-12
DM EVENT	08-27-13
D8 EVENT	10-01-13
L3 EVENT	12-17-13

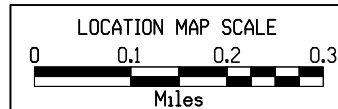
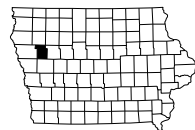
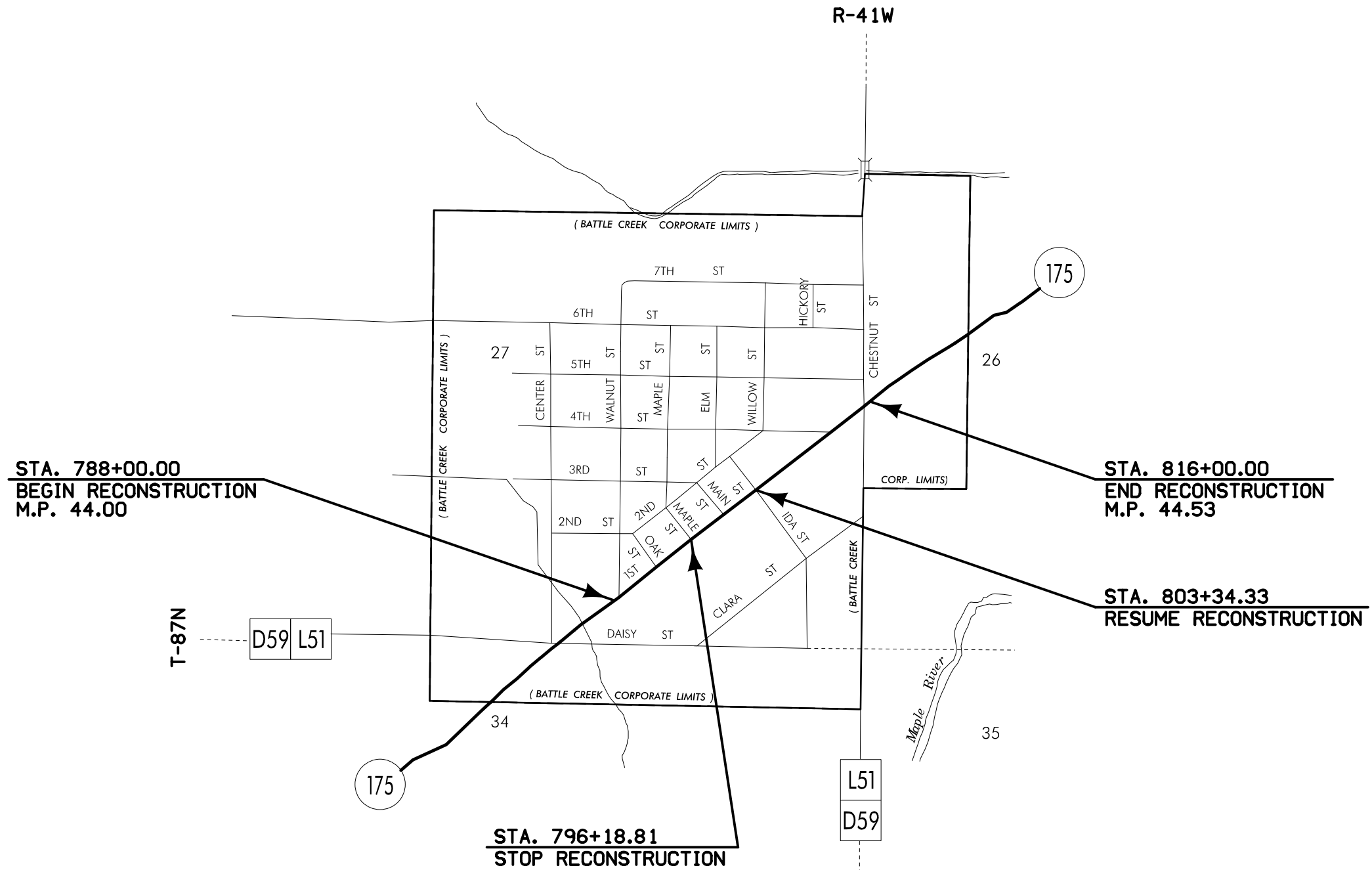
INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1		Primary Signature Block

PRELIMINARY PLANS

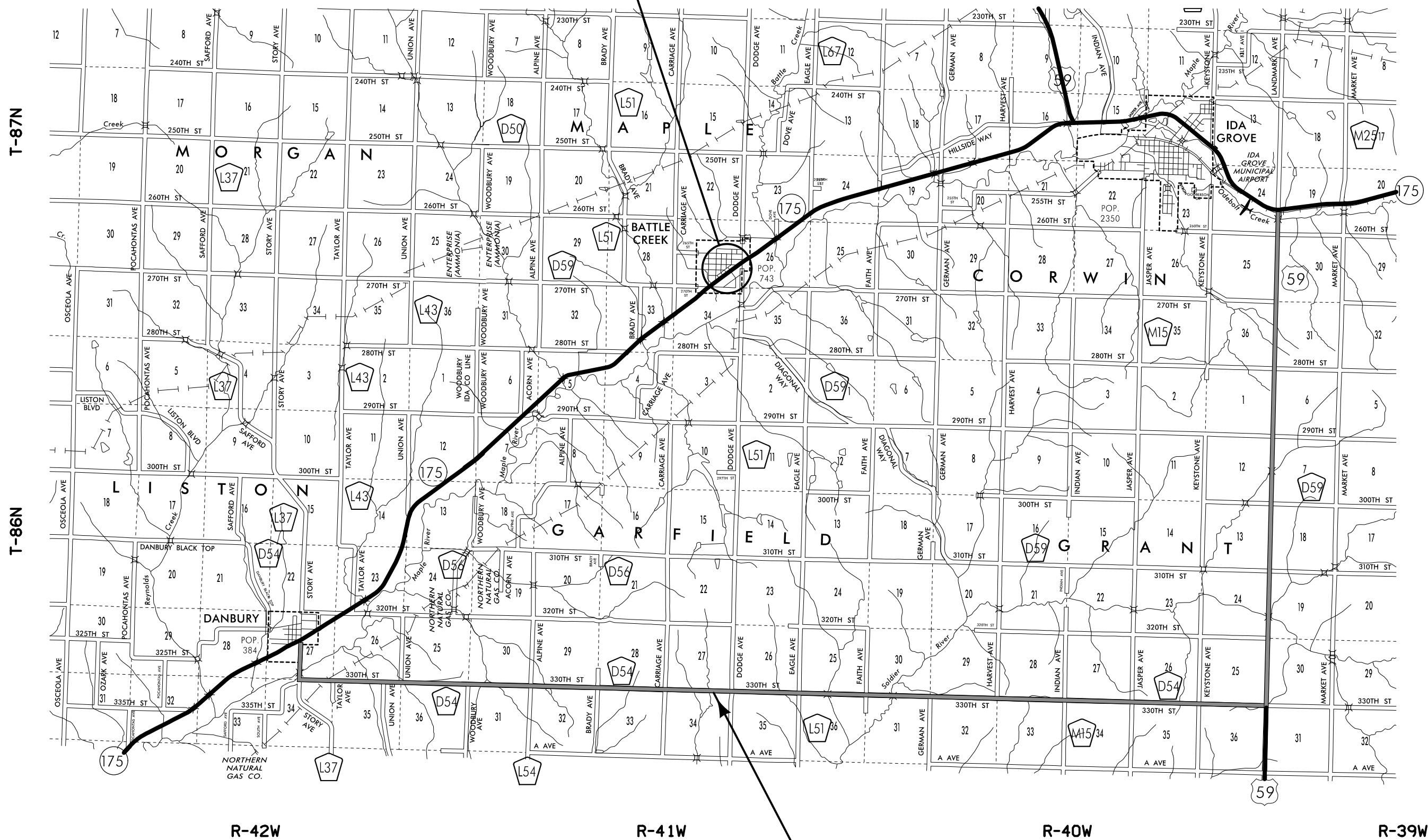
Subject to change by final design.

D5 PLAN - Date: Jan. 12, 2012



LOCATION MAP
CITY OF BATTLE CREEK

PROJECT LOCATION



Detour Route

DETOUR ROUTE

NOTE: DETOUR PROCEEDS SOUTH OF DANBURY FOR 0.5 MILES ON CO. RD. L37, THEN EAST FOR 14.5 MILES ON COUNTY ROAD D54, AND THEN NORTH 7.5 MILE ON U.S. 59 TO IA. 175 (EAST OF IDA GROVE).

DETOUR MAP

ENGLISH	IOWA DOT	DESIGN TEAM J1a / Maach	IDA COUNTY	PROJECT NUMBER	STPN-175-3(50)--2J-47	SHEET NUMBER	A.3
---------	----------	-------------------------	------------	----------------	-----------------------	--------------	-----

Paved Shoulder with Granular Shoulder

Paved Shoulder Jointing:
 Longitudinal joint not required when distance from back of
 curb to nearest joint is less than 15':

Single pour: L-2
 Staged : KT-2
 Transverse:C at 20' spacing

STATION TO STATION	(G) Feet	(P) Feet
788+00.00 - 788+30.00	8.0 - 6.5	2.0 - 3.5

Curbed Shoulder

Curbed Shoulder Jointing:
 Longitudinal joint not required when distance from back of
 curb to nearest joint is less than 15':

Single pour: L-2
 Staged : KT-2
 Transverse:C at 20' spacing

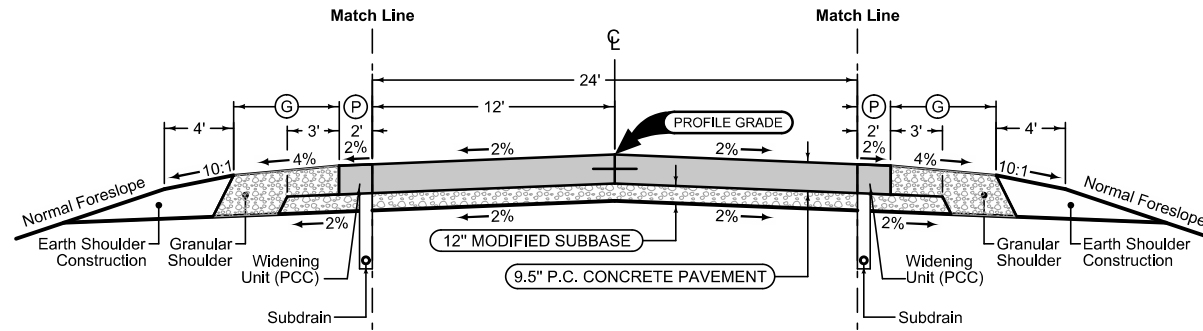
STATION TO STATION	(P) Feet	Curb Type See PV-102
788+30.00 - 796+18.81	3.5	6" Std.
803+34.33 - 804+49.01	3.5	6" Std.
806+99.72 - 807+32.57	3.5	6" Std.
808+13.49 - 815+64.63	3.5	6" Std.
815+64.63 - 816+00.00	1.3±	6" Std.

Drop Curb with Parking Area

Curbed Shoulder Jointing:
 Longitudinal joint not required when distance from back of
 curb to nearest joint is less than 15':

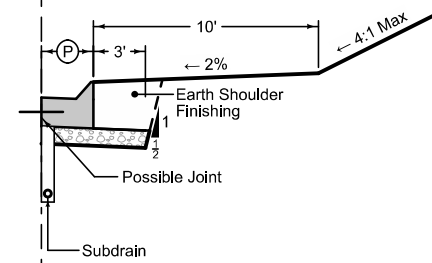
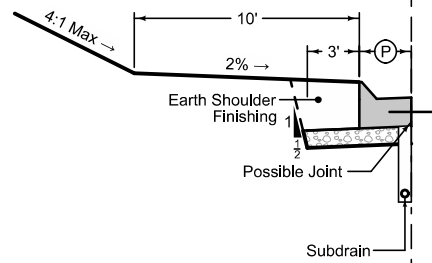
Single pour: L-2
 Staged : KT-2
 Transverse:C at 20' spacing

STATION TO STATION	(P) Feet	Curb Type See PV-102
804+49.01 - 806+99.72	3.5	1.5" Dropped Curb
807+32.57 - 808+13.49	3.5	1.5" Dropped Curb



Mainline Jointing:
 Transverse joints: CD at 20' spacing
 Longitudinal joint: L-2

STATION TO STATION
788+00.00 - 796+18.81
803+34.33 - 816+00.00



Paved Shoulder with Granular Shoulder

Paved Shoulder Jointing:
 Longitudinal joint not required when distance from back of
 curb to nearest joint is less than 15':

Single pour: L-2
 Staged : KT-2
 Transverse:C at 20' spacing

STATION TO STATION	(G) Feet	(P) Feet
788+00.00 - 788+30.00	8.0 - 6.5	2.0 - 3.5

Curbed Shoulder

Curbed Shoulder Jointing:
 Longitudinal joint not required when distance from back of
 curb to nearest joint is less than 15':

Single pour: L-2
 Staged : KT-2
 Transverse:C at 20' spacing

STATION TO STATION	(P) Feet	Curb Type See PV-102
788+30.00 - 796+18.81	3.5	6" Std.
803+34.33 - 815+22.36	3.5	6" Std.
815+22.36 - 816+00.00	2.8±	6" Std.

NOTES:

- Refer to other sheets, in this plan, for paving details through intersections.
- See Tab 100-24 for pavement quantities.
- See Tab 112-9 for shoulder quantities.

IA. 175 (BATTLE CREEK)

Curbed Shoulder

Curbed Shoulder Jointing:
 Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

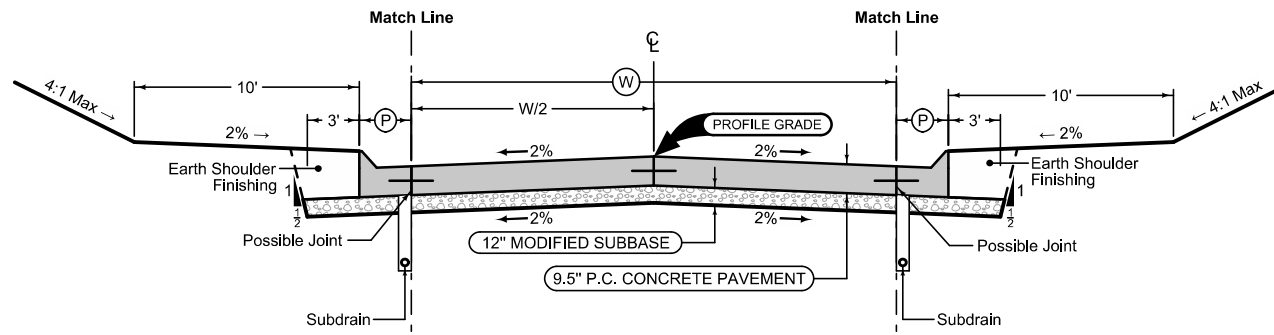
Single pour: L-2
 Staged: KT-2
 Transverse: C at 15' spacing

STATION TO STATION	(P) Feet	Curb Type See PV-102	REMARKS
3789+05.50	3789+45.29	3.0	6" Std. Walnut
4792+94.18	4793+33.61	1.6	6" Std. Oak
8810+47.22	8811+20.55	1.5	6" Std. 4th
2813+47.62	2814+47.72	0.5	6" Std. S. Chestnut
2814+86.70	2816+48.00	0.5	6" Std. N. Chestnut

(P) dimension will vary through radii at intersections. See other details in this plan for lay-outs of intersections.

Earth Shoulder

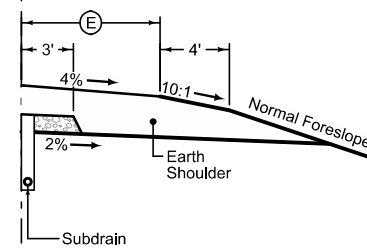
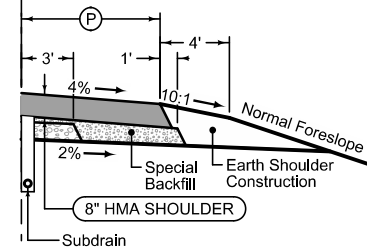
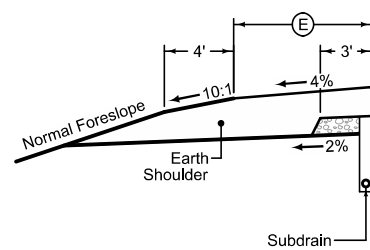
2_E_ 10-18-11			
STATION TO STATION	(E) Feet	REMARKS	
2813+00.00	2813+47.62	3.0 S. Chestnut	



Side Road Jointing: Chestnut Street
 Transverse joints: CD at 20' spacing
 Longitudinal joint: L-2

Side Road Jointing: All remaining streets
 Transverse joints: C at 15' spacing
 Longitudinal joint: L-2

STATION TO STATION	(W) Feet	REMARKS
3789+05.50	3789+45.29	24 Walnut
4792+94.18	4793+33.61	24 Oak
8810+47.22	8811+20.55	24 4th
2813+00.00	2814+47.72	20 S. Chestnut
2814+86.70	2816+48.00	20 N. Chestnut



Curbed Shoulder

Curbed Shoulder Jointing:
 Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
 Staged: KT-2
 Transverse: C at 15' spacing

STATION TO STATION	(P) Feet	Curb Type See PV-102	REMARKS
3789+05.50	3789+45.29	3.0	6" Std. Walnut
4792+94.18	4793+33.61	1.6	6" Std. Oak
8810+47.22	8811+20.55	1.5	6" Std. 4th
2813+98.00	2814+47.72	0.5	6" Std. S. Chestnut
2814+86.70	2816+40.00	0.5	6" Std. N. Chestnut

(P) dimension will vary through radii at intersections. See other details in this plan for lay-outs of intersections.

HMA Shoulder

Shoulder Jointing:
 Longitudinal joint: B

2_P_HMA_ 10-19-10		
STATION TO STATION	(P) Feet	REMARKS
2813+00.00	2813+98.00	6.0 S. Chestnut

Earth Shoulder

2_E_ 10-18-11		
STATION TO STATION	(E) Feet	REMARKS
2816+40.00	2816+48.00	3.0 N. Chestnut

NOTES:

Refer to other sheets, in this plan, for paving details through intersections.
 See Tab 100-24 for pavement quantities.
 See Tab 112-9 for shoulder quantities.

SIDE ROADS (BATTLE CREEK)

- ① Refer to MI-210
- ② Refer to RL-8 for Type B or C. Type A per plan.
Predetermined for access point not constructed with this project.

POINTS OF ACCESS

Refer to Cross-Sections

Location		Type ② A, B, C, or Predetermined	Length of Opening			W	PR ① ②	SR ②	Pipe Culvert (RF-30A or RF-30B)					Aprons	Driveway Surface Area		Driveway Surfacin & Material TON	Remarks			
Station	Side		Case ① 1 or 2	1 1/2" Dropped Curb LF	3" Dropped Curb LF				H	Size IN	Pipe Length LF	Lt. ② LF	Rt. ② LF		No.	HMA SY			PCC SY		
IA 175																					
788+76.1	RT	C				16.0								1		23.9	6.9				
790+03.4	LT	B				45.0										56.2					
790+04.2	RT	B				30.0										39.5					
791+18.9	RT	Jt. B				45.0										56.2					
793+43.6	RT	Jt. B				24.0										32.8	1.3				
794+28.4	LT	C				15.0										22.2					
794+58.8	LT	C				15.0										22.2					
795+01.8	RT	B				45.0										55.6	13.3				
795+70.3	RT	B				42.0										52.2					
804+05.6	LT	B				30.0										72.5					
805+78.7	RT	B				30.0										38.1					
806+40.2	RT	Jt. B				45.0										55.6	3.5				
807+39.2	RT	B				30.0										68.3					
807+93.1	RT	B				30.0										70.4					
808+31.0	LT	C				15.0										38.3					
809+19.4	RT	B				30.0										39.5					
809+31.4	LT	B				45.0										56.2					
810+67.1	RT	B				30.0										39.9	3.4				
811+30.5	RT	B				30.0										39.5					
811+35.0	LT	C				15.0										22.8	21.2				
812+54.2	LT	C				27.0										38.8	7.9				
813+26.4	RT	C				15.0										37.7					
813+77.7	LT	C				23.5										34.9					
4TH ST																					
8810+95.0	RT	C				15.0										20.9	5.1				
CHESTNUT ST																					
2811+17.2	LT	C				24.0										32.2	7.0				
2811+64.8	LT	C				26.0										63.1					
2813+27.8	LT	C				15.0										44.9					
2814+12.5	RT	C				15.0										40.5					
						TOTAL:															
														1		1214.6		69.6			

SURVEY SYMBOLS

- CP Control Point
- BM Bench Mark
- C Centerline BL of Road (ML or SR)
- E1 — ELA Underground Electric Line Co. 1
- San. — SAA Sanitary Sewer Line Co. 1
- TV — TVA Underground TV Cable Co. 1
- St.S. — STA Storm Sewer Line Co. 1
- CUL Culvert
- EP Edge of Paved Roads (ML or SR)
- > D Centerline Draw or Stream (Down)
- TP TPD Telephone Pedestal
- SIGN SI Sign
- ENU Edge Unpaved Entrance & Parking
- STP Stump
- TDC Tree Deciduous
- * TEV Evergreen Tree
- PPA Power Pole Co. 1
- SIGN SL Speed Limit Sign
- FHD Fire Hydrants
- WV WV Water Valve
- PR Electric Riser Pole
- CON Concrete or A/C Slab
- RET Retaining Walls
- BNK Stream Bank
- ENT Centerline BL of Entrance
- x LC Lot Corner
- x — FW Wire Fence
- SOP Size of Pipe or Culvert
- # — FCL Chain Link and Security Fence
- TFR Tree Fruit
- ← DU Centerline Draw or Stream (Up)
- ENP Edge Paved Entrance & Park Lot
- BLD Building or Foundation
- SWK Sidewalk
- CU Back of Curb
- GU Gutter In Front of Curb
- IN Storm Sewer Intake
- LUM Luminaire
- GP Guard Post (Less Than 4 Posts)
- GPR Guard Post (4 or More Posts)
- MM Mile Marker Post
- MH Utility Access (Manhole)
- UB Utility Box
- LIN Miscellaneous Line
- MIS Miscellaneous
- WEL Well
- UST Underground Tank
- Default_Point Default Point Feature
- FLG Flag Poles
- HDG Hedge Row
- INB Storm Sewer Beehive Intake
- GV Gas Valve
- CUL Culvert
- EG Edge of Gravel Road
- SHR Shrub
- FWD Wood Fence
- LP L.P. Tank
- CUL Culvert
- SH Paved Shoulder
- SNP Unpaved Shoulder
- SIGN SI Sign
- WM Wind Mill
- BIN Grain Bin
- OUT Tile Outlet
- WC Wild Card (Misc. Field Shot)
- UE Utility Elevation

UTILITY LEGEND

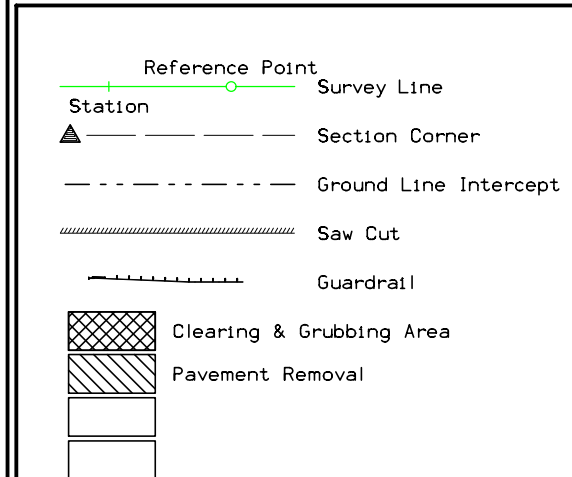
- MIDAMERICAN ENERGY
- E ----- MIDAMERICAN ENERGY
- San. — CITY OF BATTLE CREEK
- St. S. — CITY OF BATTLE CREEK
- TV --- FRONTIER COMM.

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK		Design Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING		Design Color No.	
Yellow	(4)		Highlight for Critical Notes or Features
Red	(3)		Delineates Restricted Areas
Lavender	(9)		Temporary Pavement Shading
Gray, Light	(48)		Proposed Pavement Shading
Gray, Med	(80)		Proposed Granular Shading
Gray, Dark	(112)		Proposed Grade and Pave Shading
Brown, Light	(236)		Grading Shading
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK		Design Color No.	
Green	(2)		Existing Ground Line Profile
Blue	(1)		Proposed Profile and Annotation
Magenta	(5)		Existing Utilities
Blue, Light	(230)		Proposed Ditch Grades, Left
Black	(0)		Proposed Ditch Grades, Median
Rust	(14)		Proposed Ditch Grades, Right



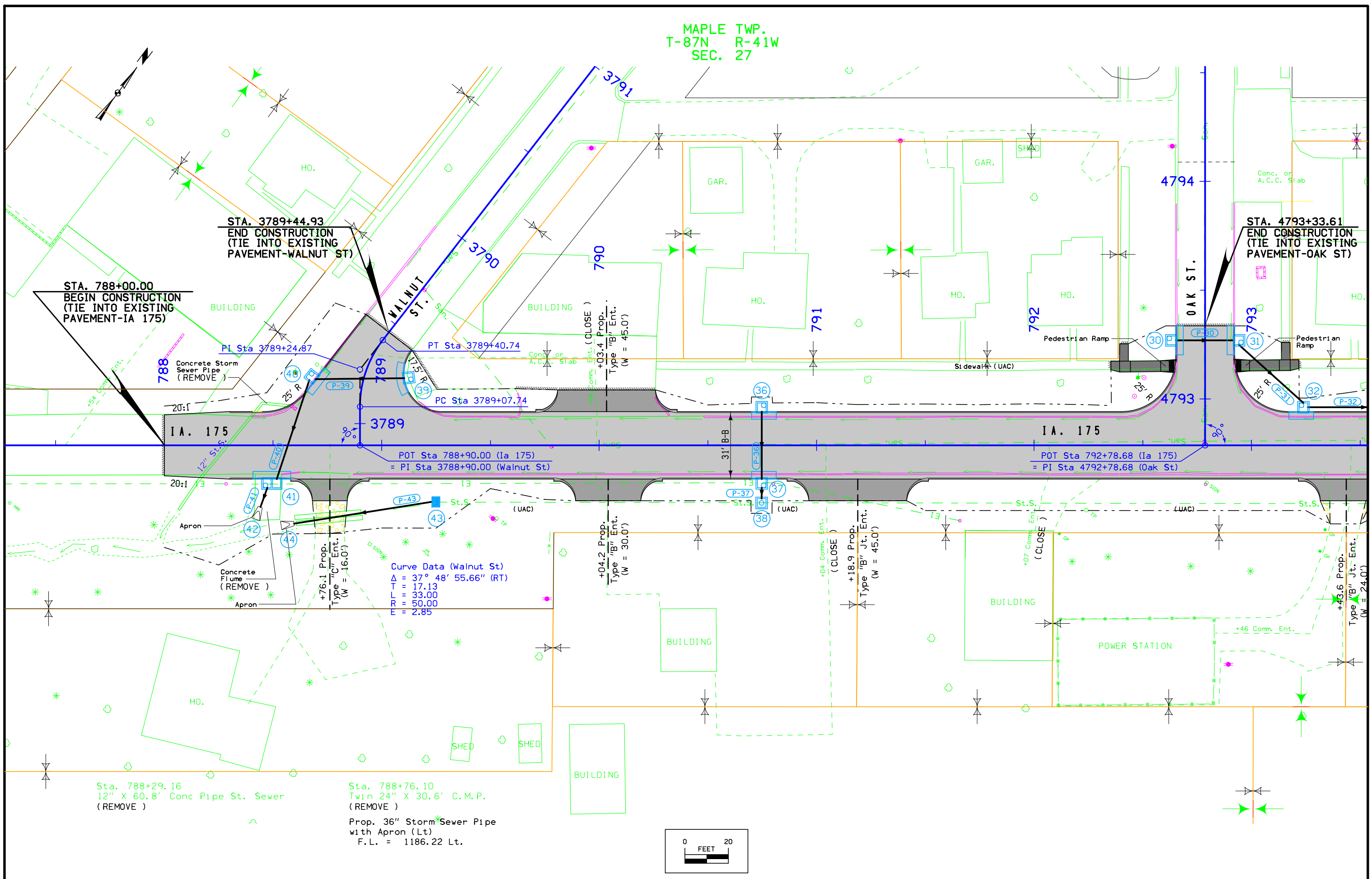
RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- Access Control

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)

MAPLE TWP.
T-87N R-41W
SEC. 27



STA. 3789+44.93
END CONSTRUCTION
(TIE INTO EXISTING
PAVEMENT-WALNUT ST)

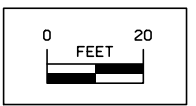
STA. 788+00.00
BEGIN CONSTRUCTION
(TIE INTO EXISTING
PAVEMENT-IA 175)

STA. 4793+33.61
END CONSTRUCTION
(TIE INTO EXISTING
PAVEMENT-OAK ST)

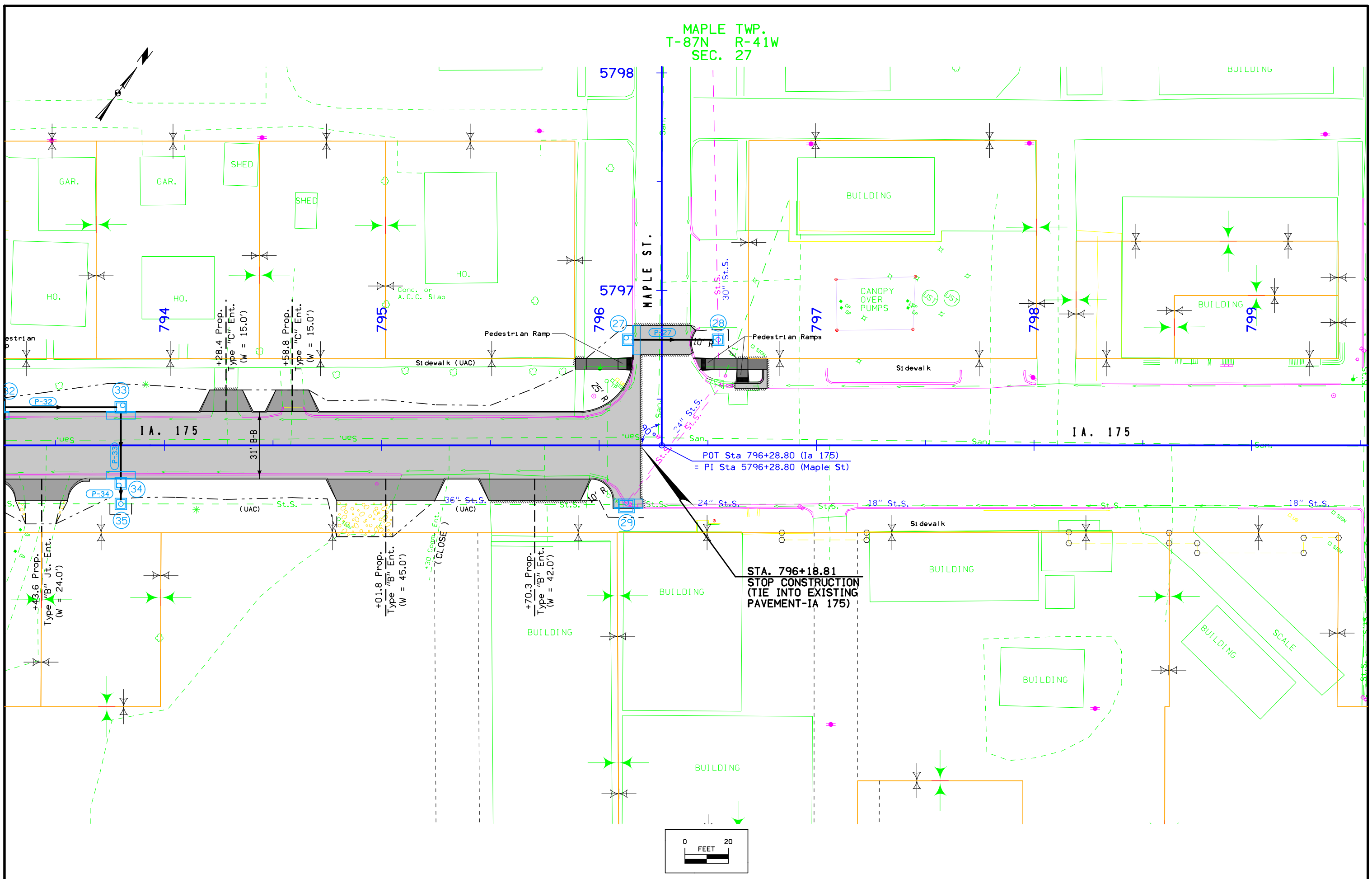
Curve Data (Walnut St)
 $\Delta = 37^\circ 48' 55.66''$ (RT)
 $T = 17.13$
 $L = 33.00$
 $R = 50.00$
 $E = 2.85$

Sta. 788+29.16
12" X 60.8' Conc Pipe St. Sewer
(REMOVE)

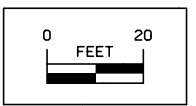
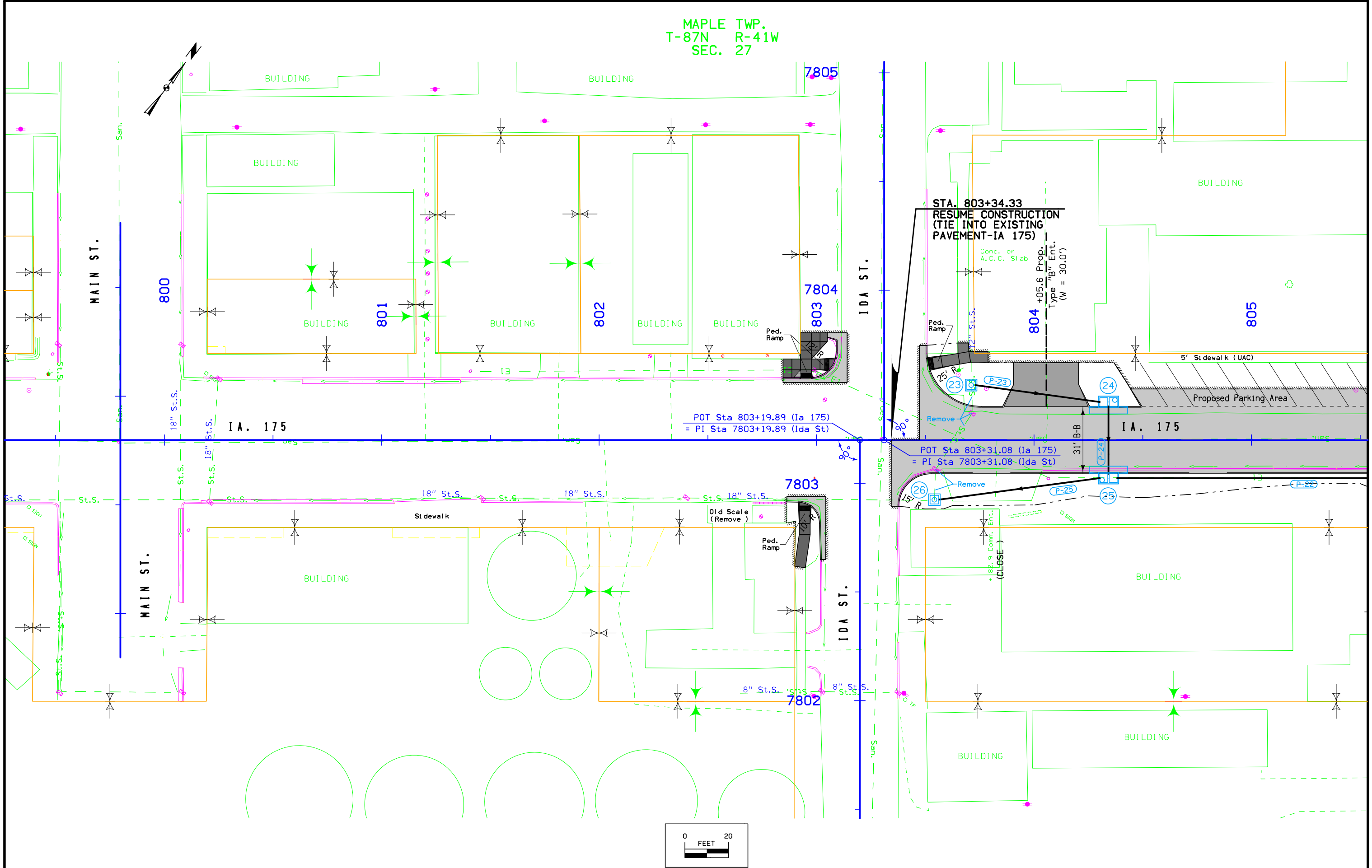
Sta. 788+76.10
Twin 24" X 30.6' C.M.P.
(REMOVE)
Prop. 36" Storm Sewer Pipe
with Apron (Lt)
F.L. = 1186.22 Lt.



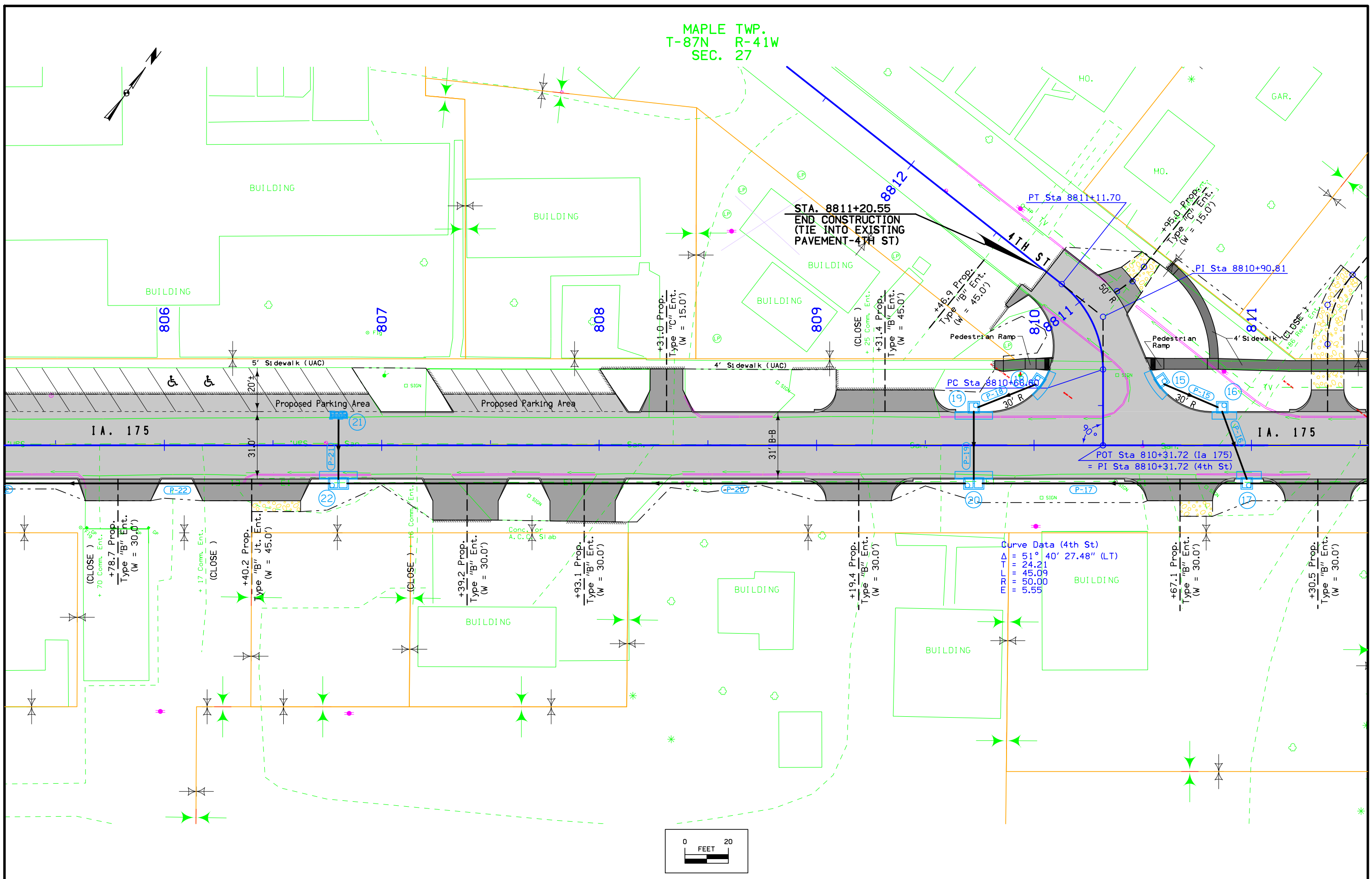
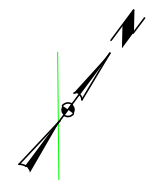
MAPLE TWP.
T-87N R-41W
SEC. 27



MAPLE TWP.
T-87N R-41W
SEC. 27



MAPLE TWP.
T-87N R-41W
SEC. 27



STA. 8811+20.55
END CONSTRUCTION
(TIE INTO EXISTING
PAVEMENT-4TH ST)

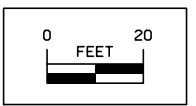
PT Sta 8811+11.70

PI Sta 8810+90.81

PC Sta 8810+68.60

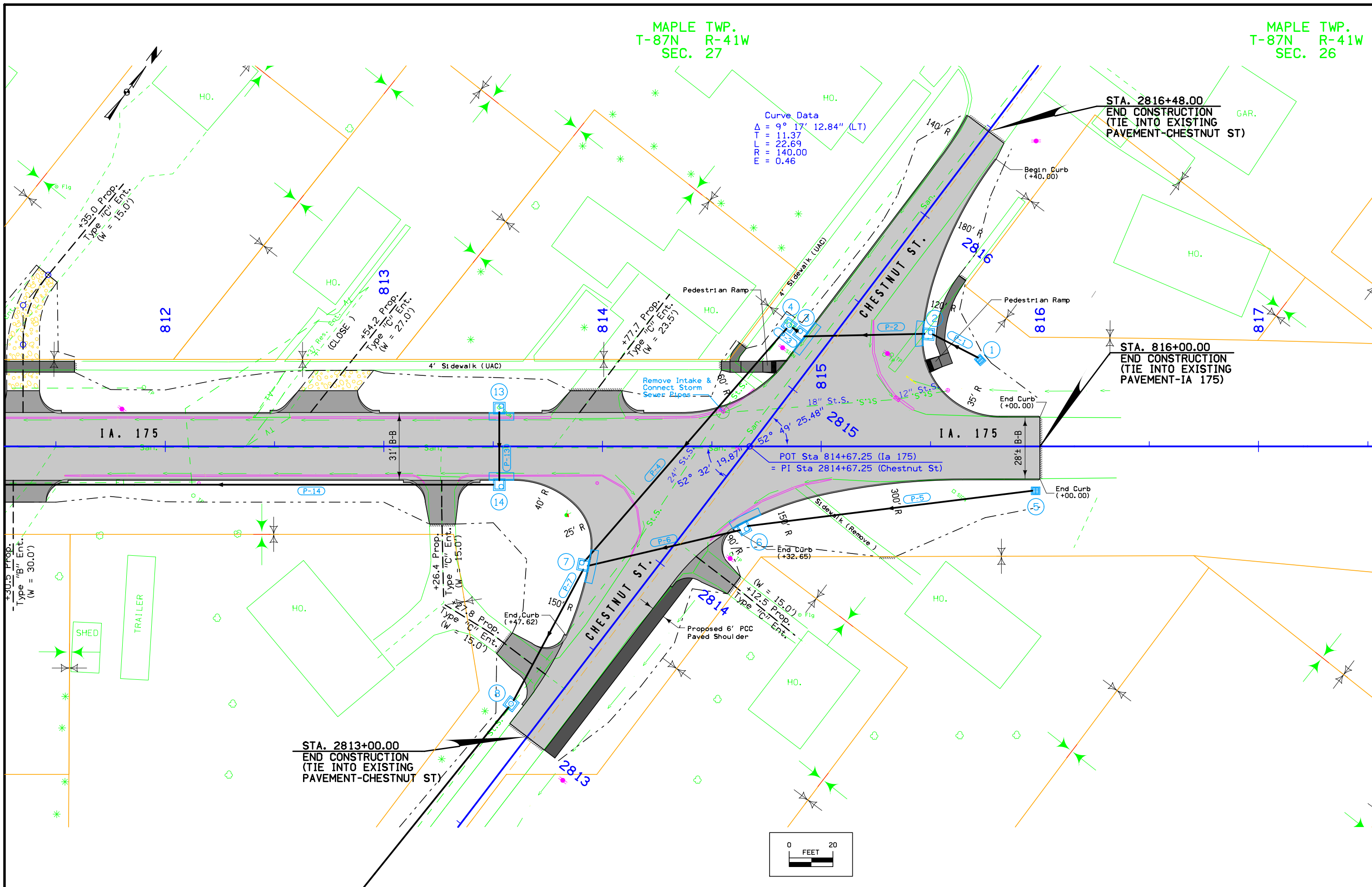
POT Sta 810+31.72 (Ia 175)
= PI Sta 8810+31.72 (4th St)

Curve Data (4th St)
Δ = 51° 40' 27.48" (LT)
R = 24.21
E = 45.09
M = 50.00
P = 5.55

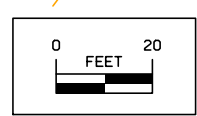


MAPLE TWP.
T-87N R-41W
SEC. 27

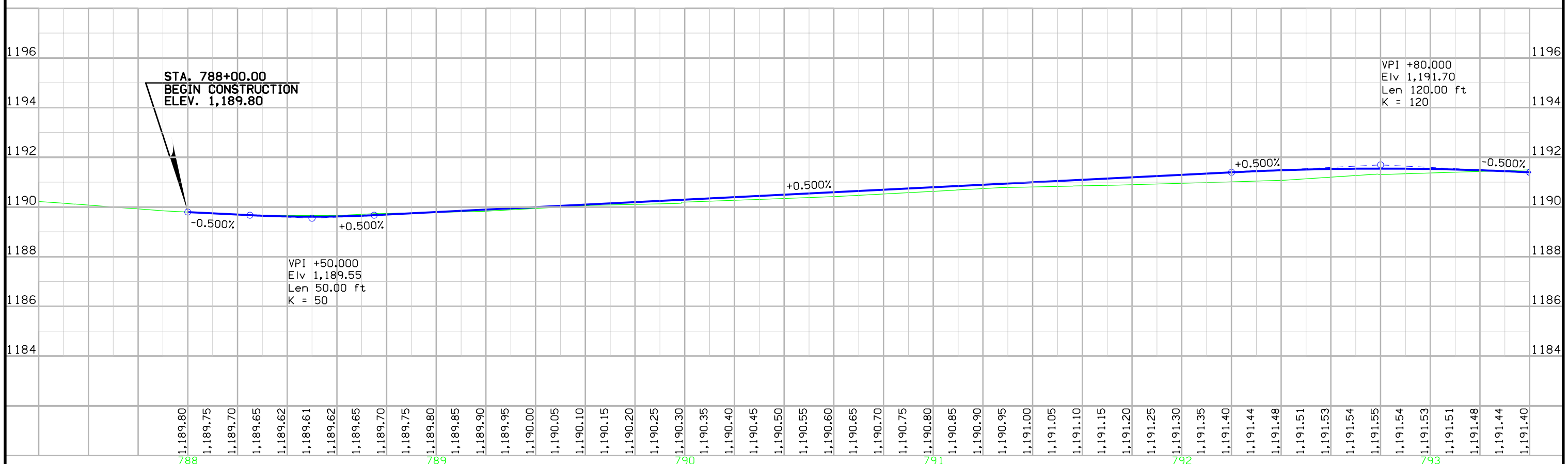
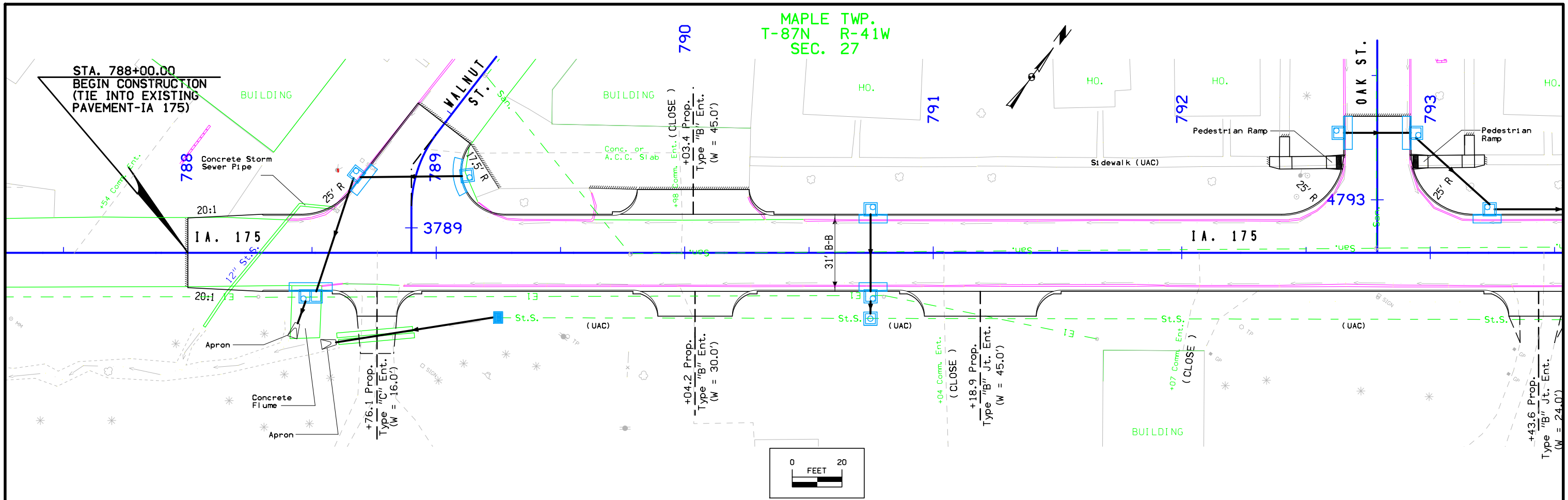
MAPLE TWP.
T-87N R-41W
SEC. 26

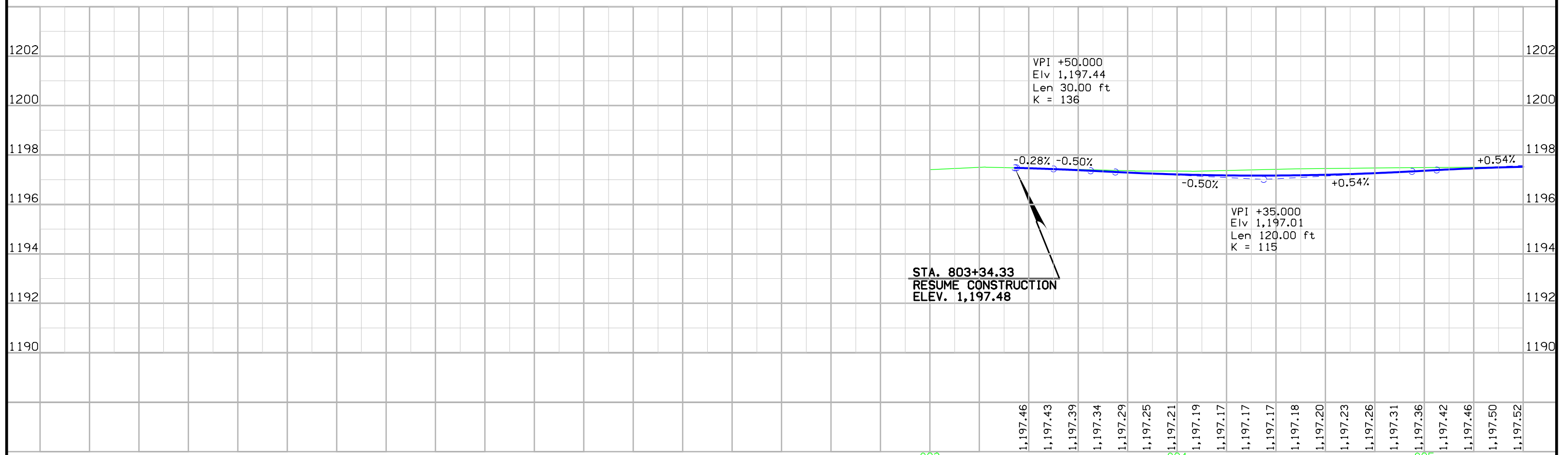
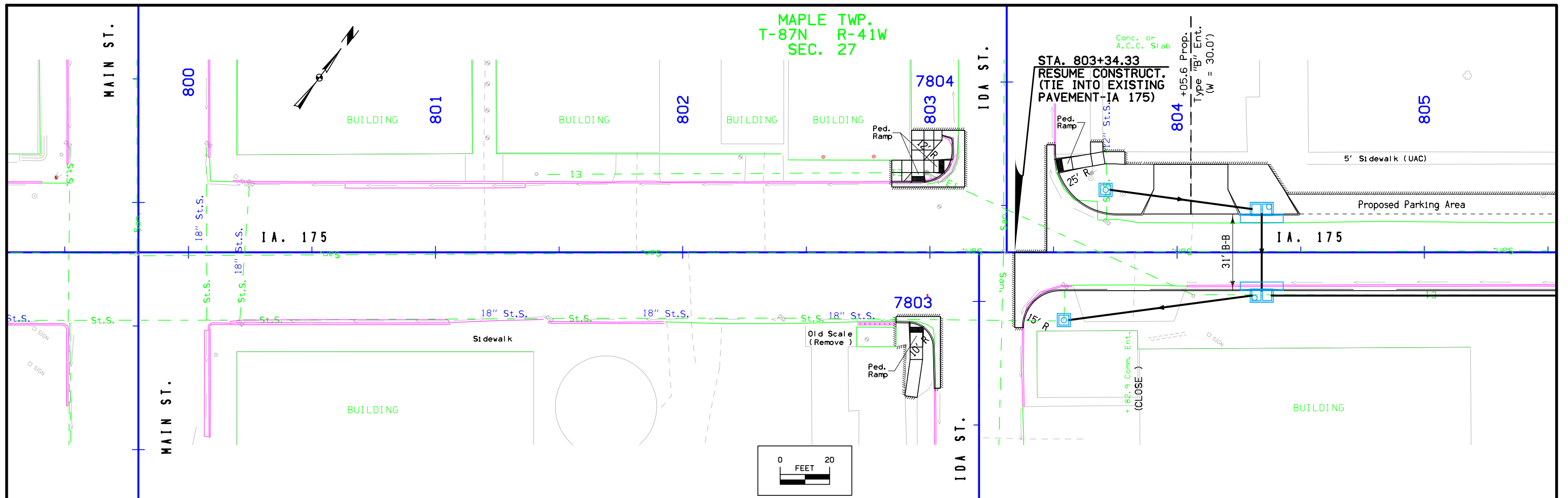


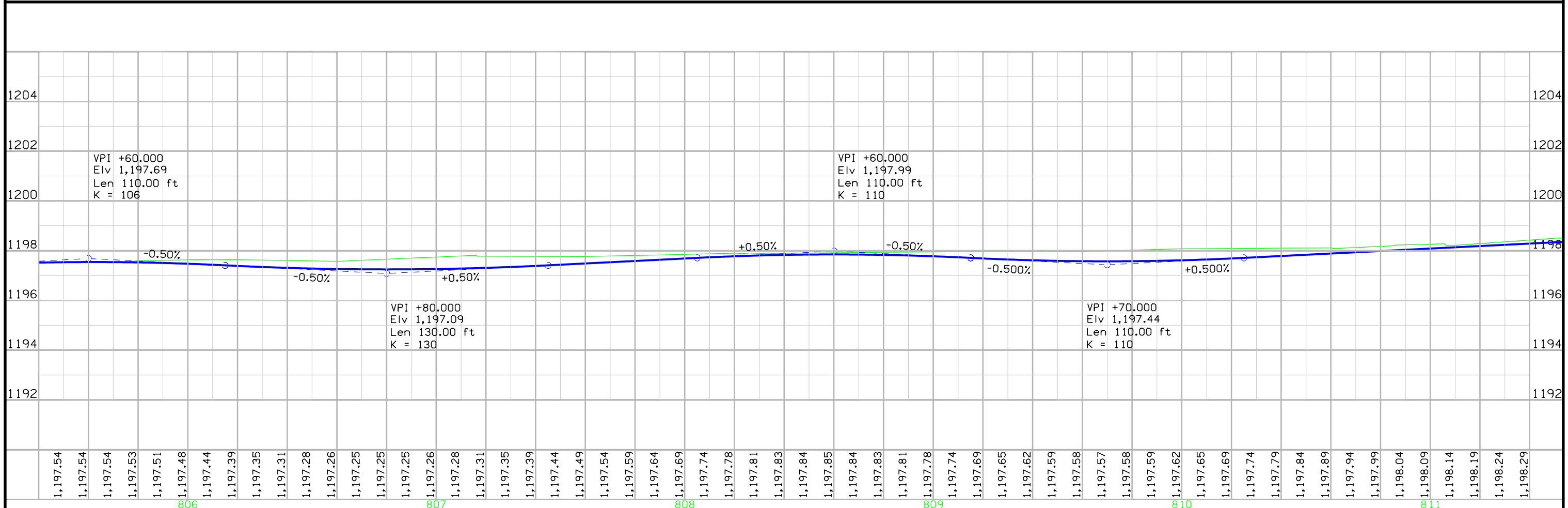
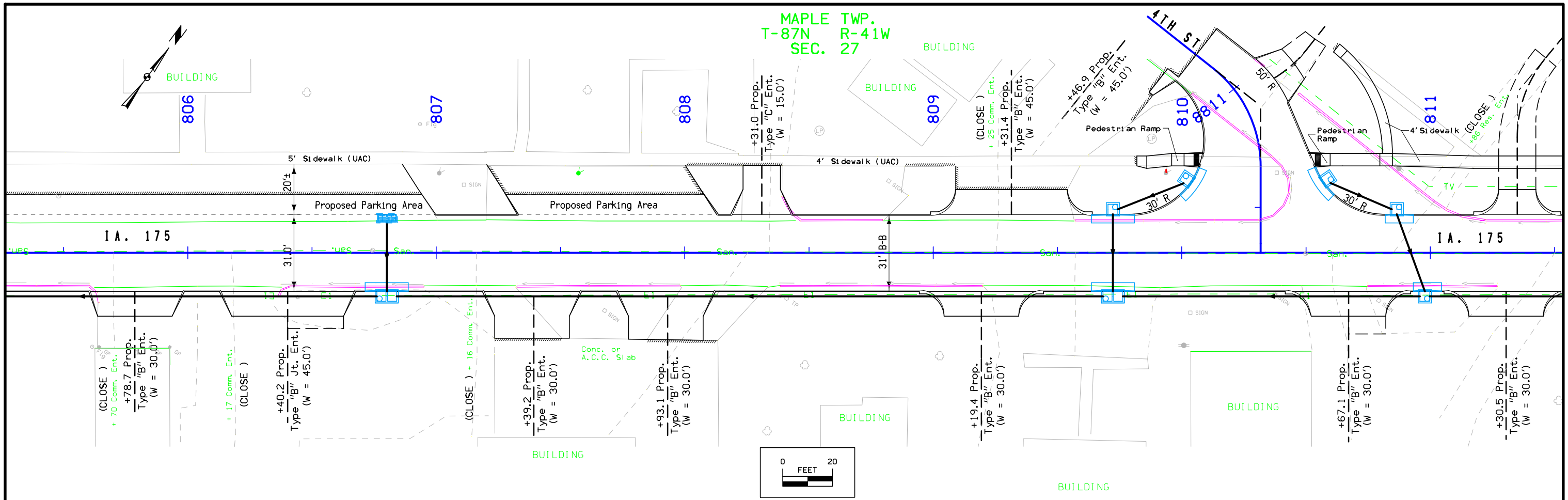
Curve Data
 $\Delta = 9^\circ 17' 12.84''$ (LT)
 $T = 11.37$
 $L = 22.69$
 $R = 140.00$
 $E = 0.46$



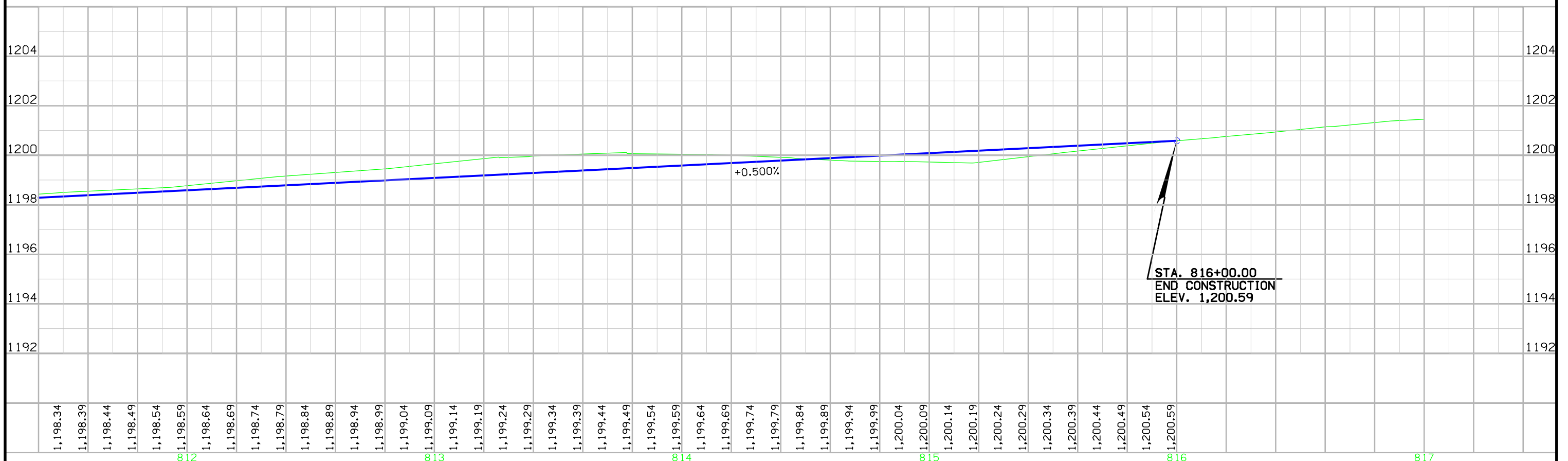
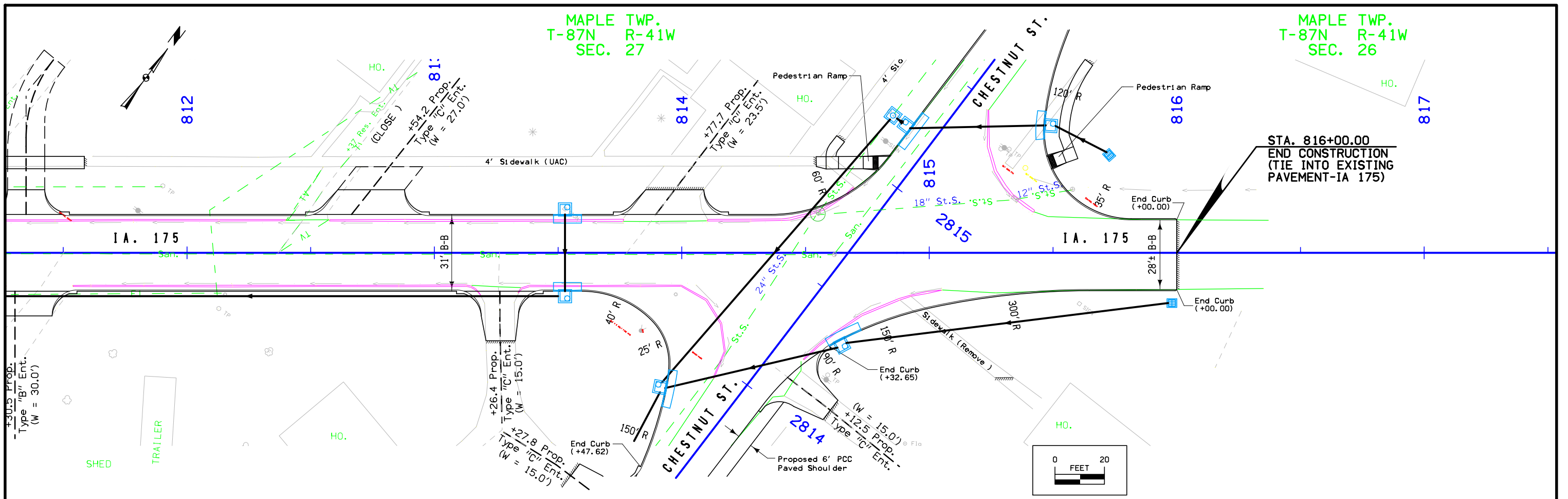
MAPLE TWP.
T-87N R-41W
SEC. 27

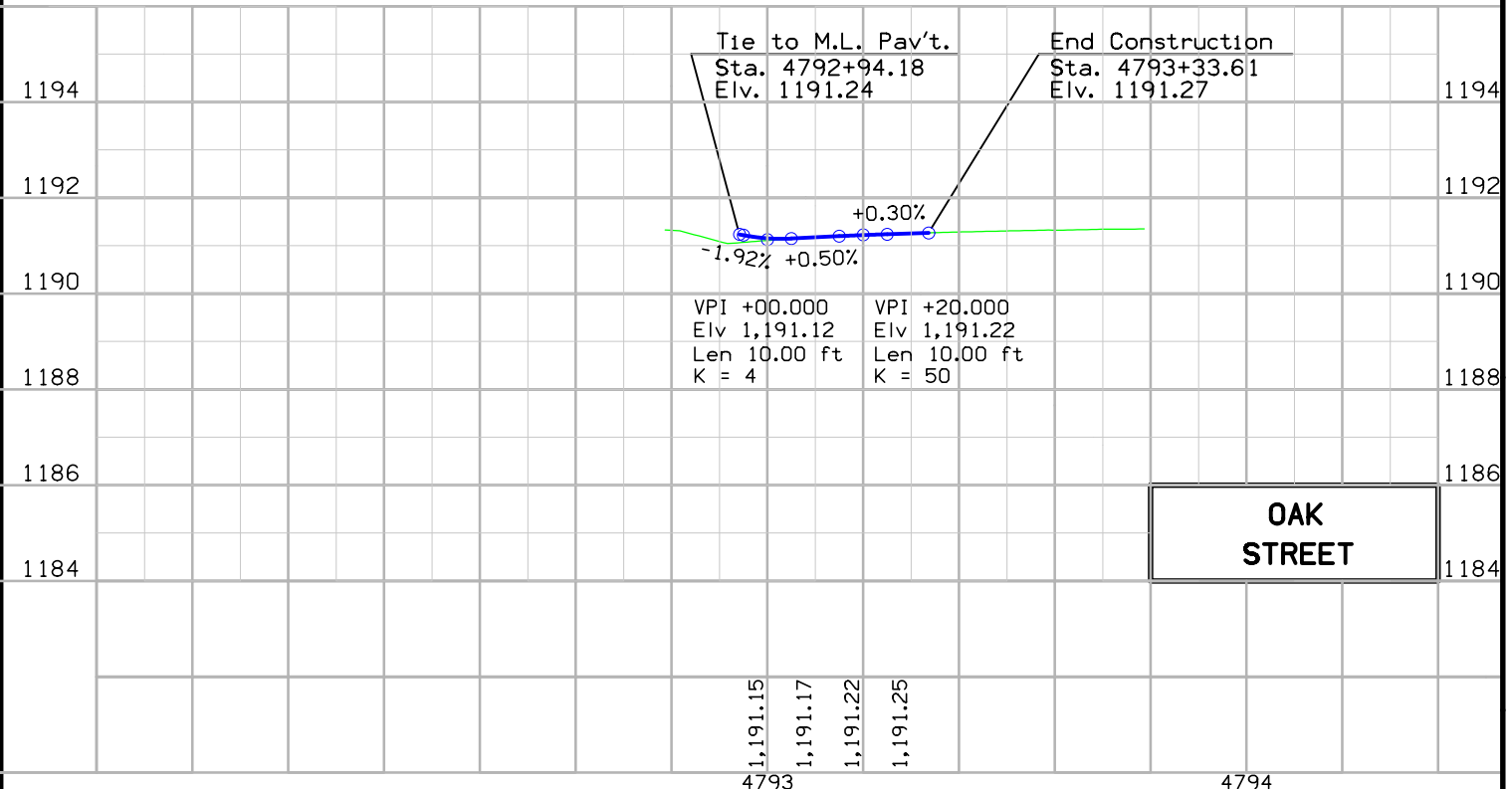
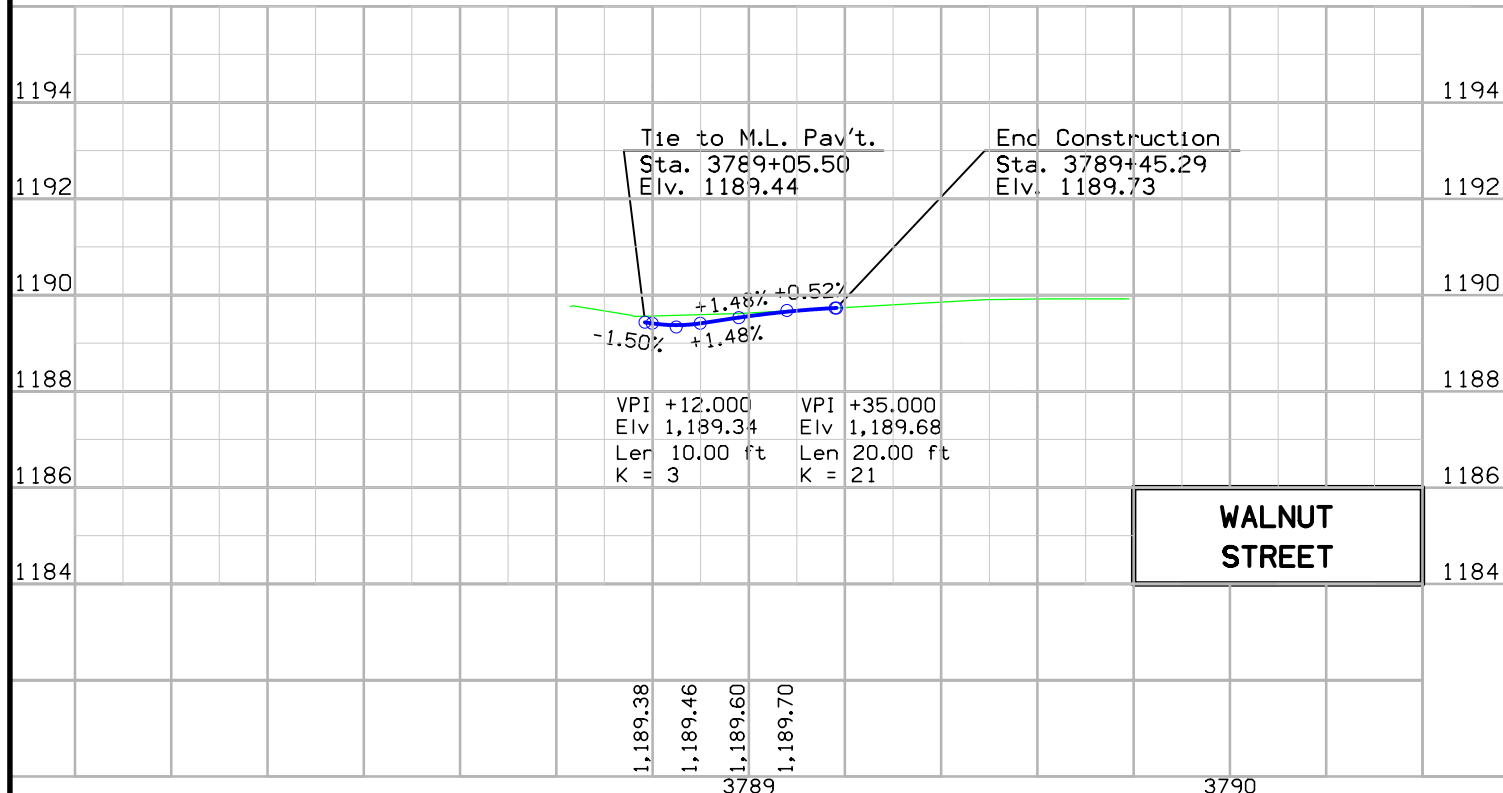
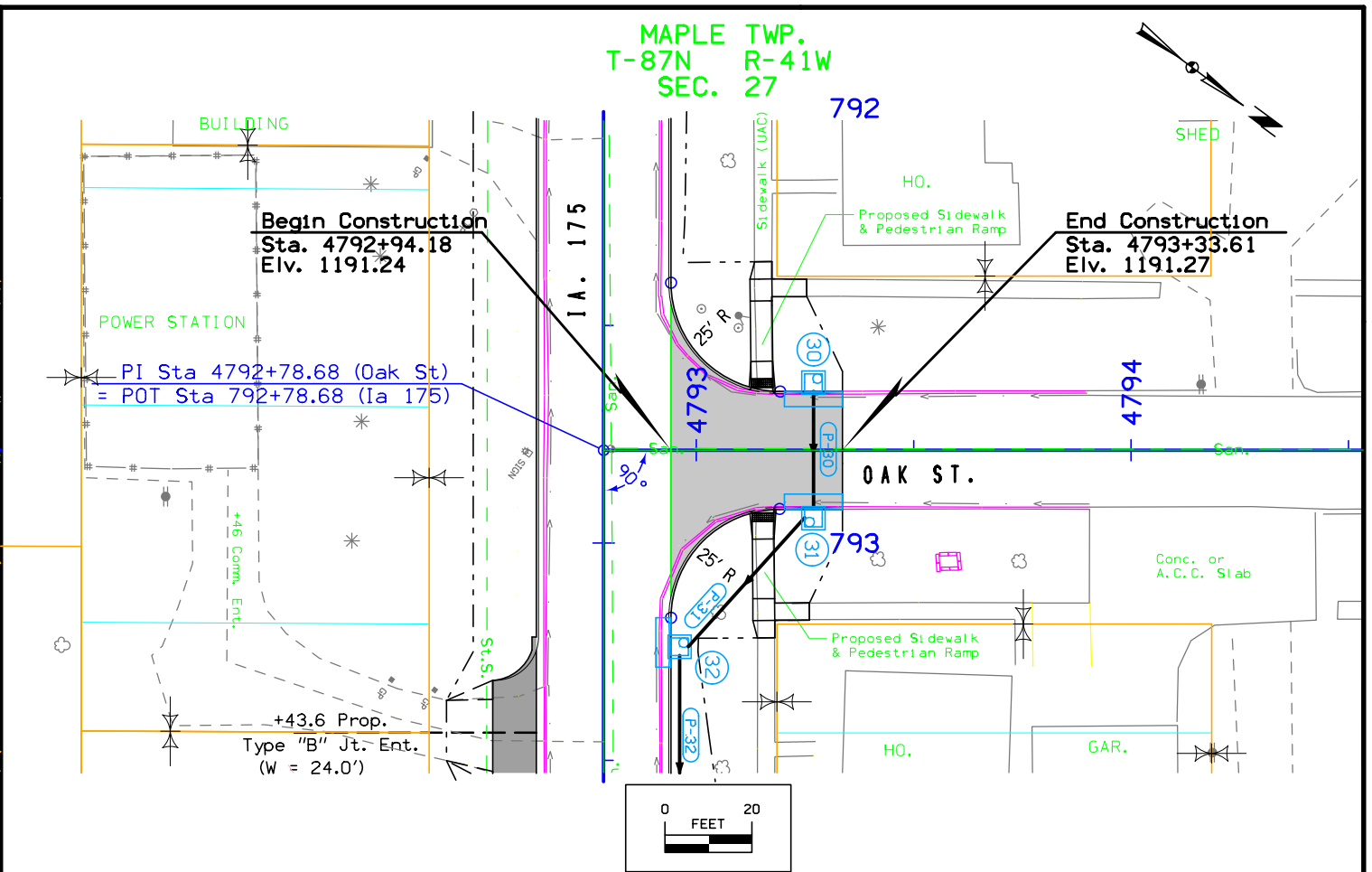
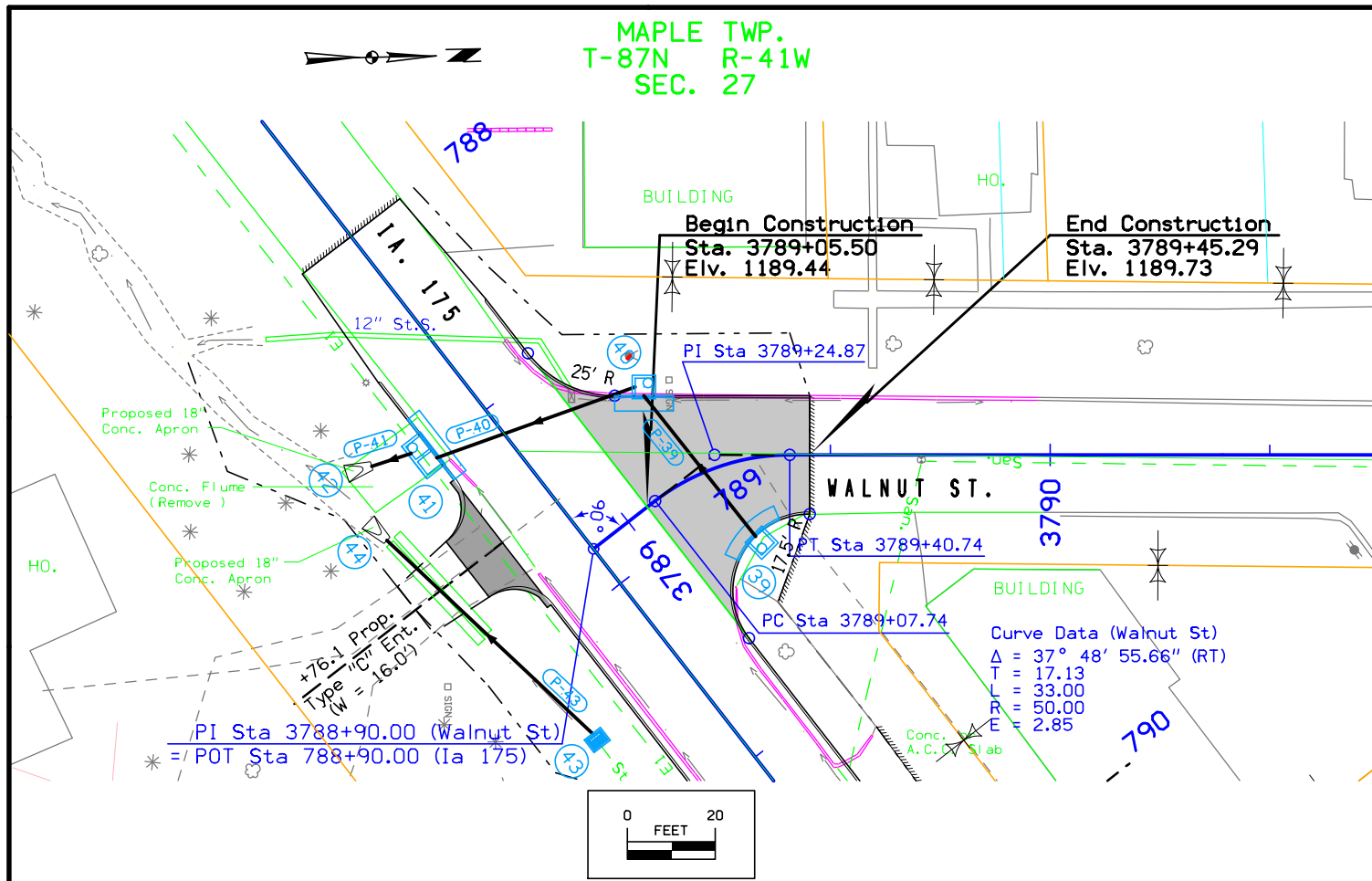




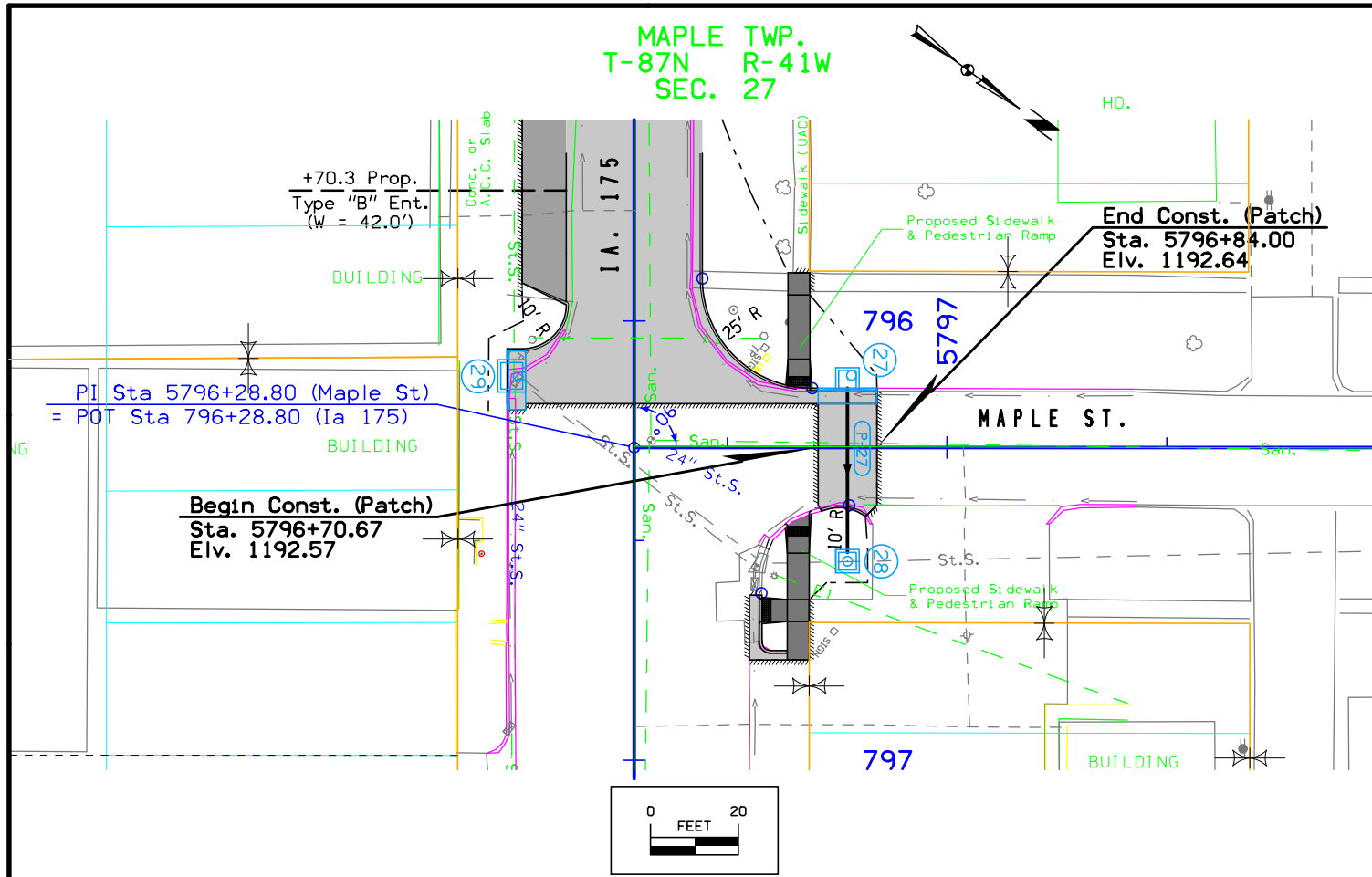


20	ENGLISH	IOWA DOT	DESIGN TEAM J1a / Maach	IDA COUNTY	PROJECT NUMBER	STPN-175-3(50)--2J-47	SHEET NUMBER	D.10
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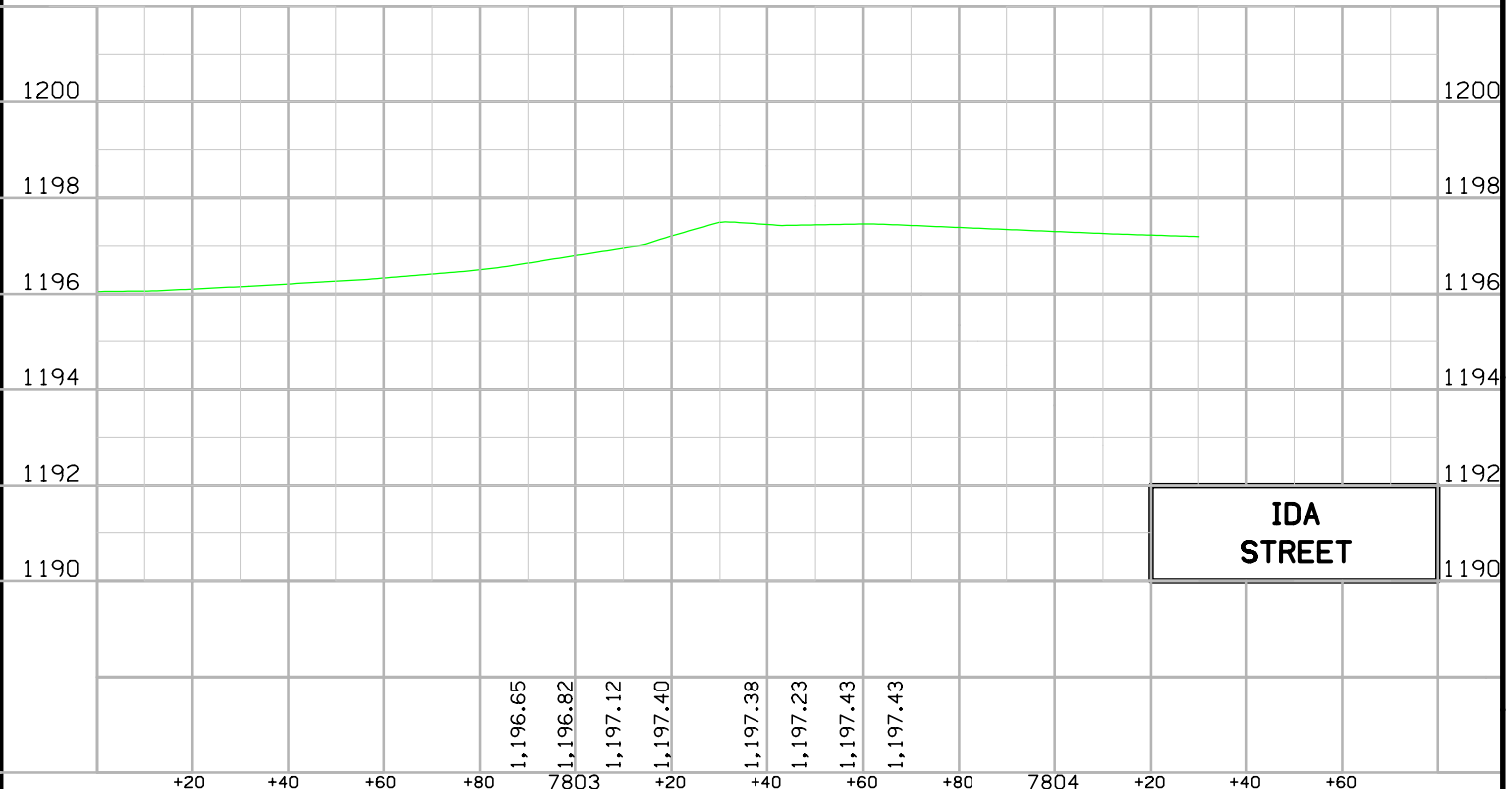
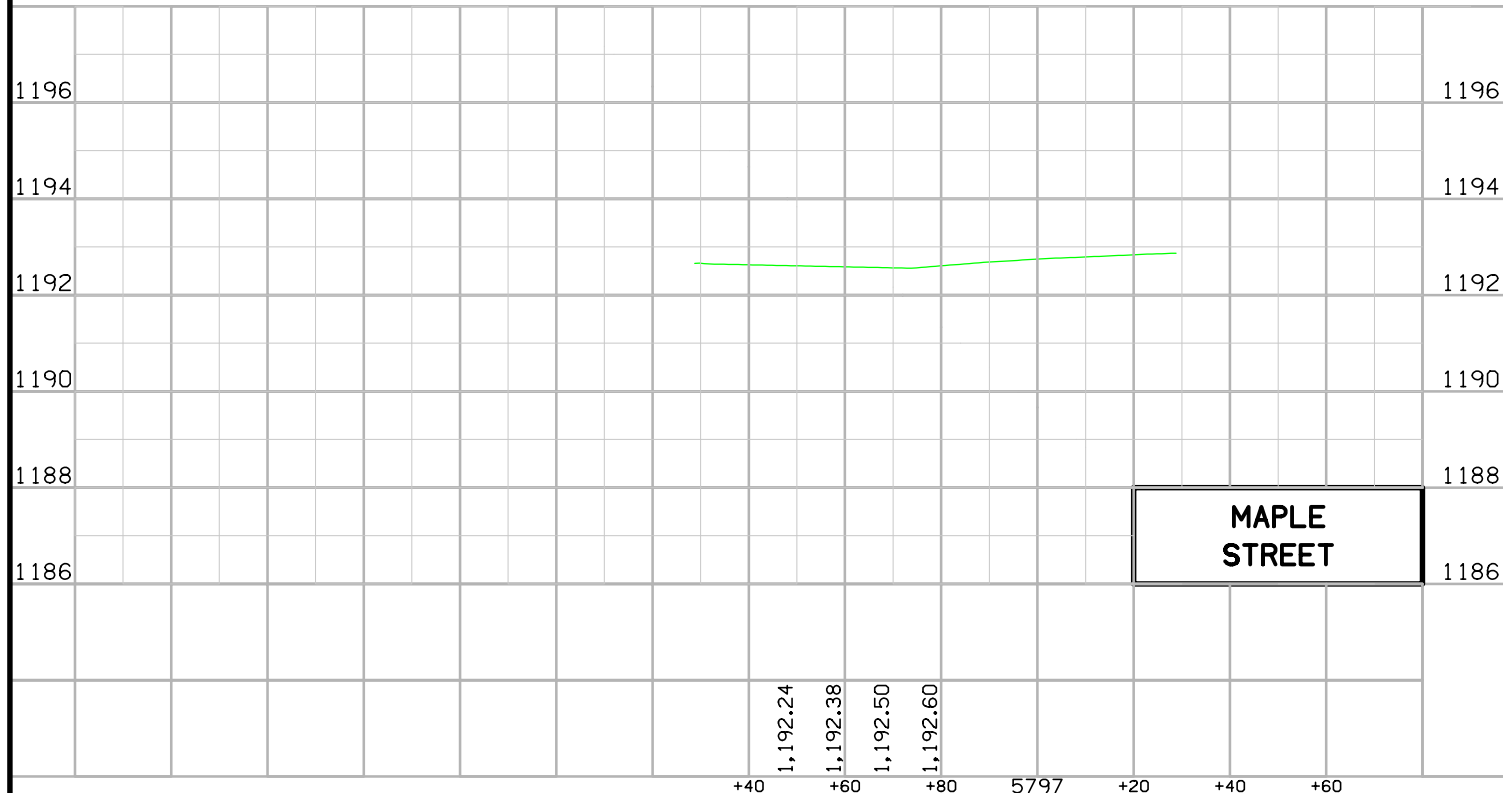
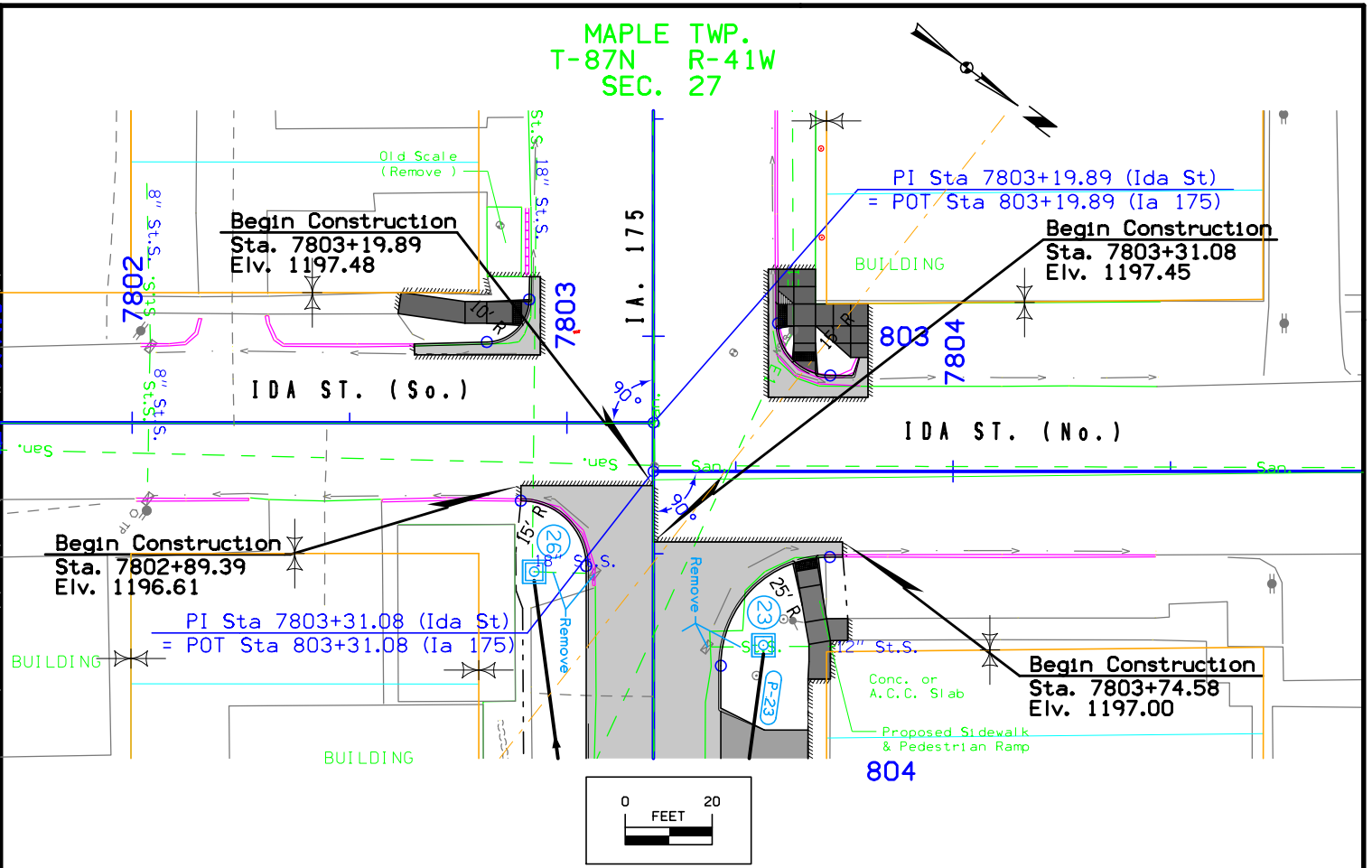


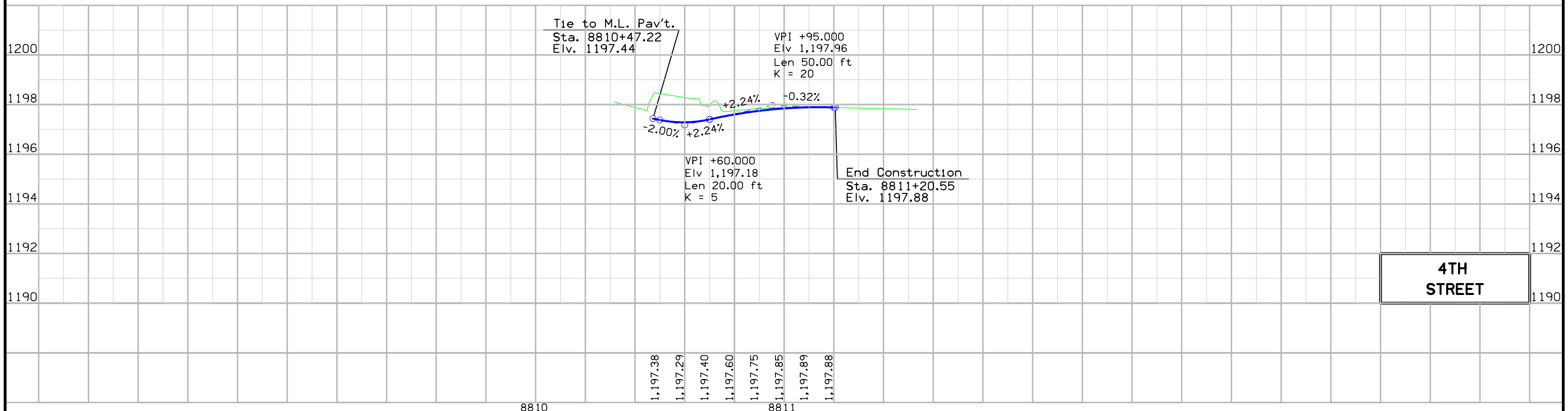
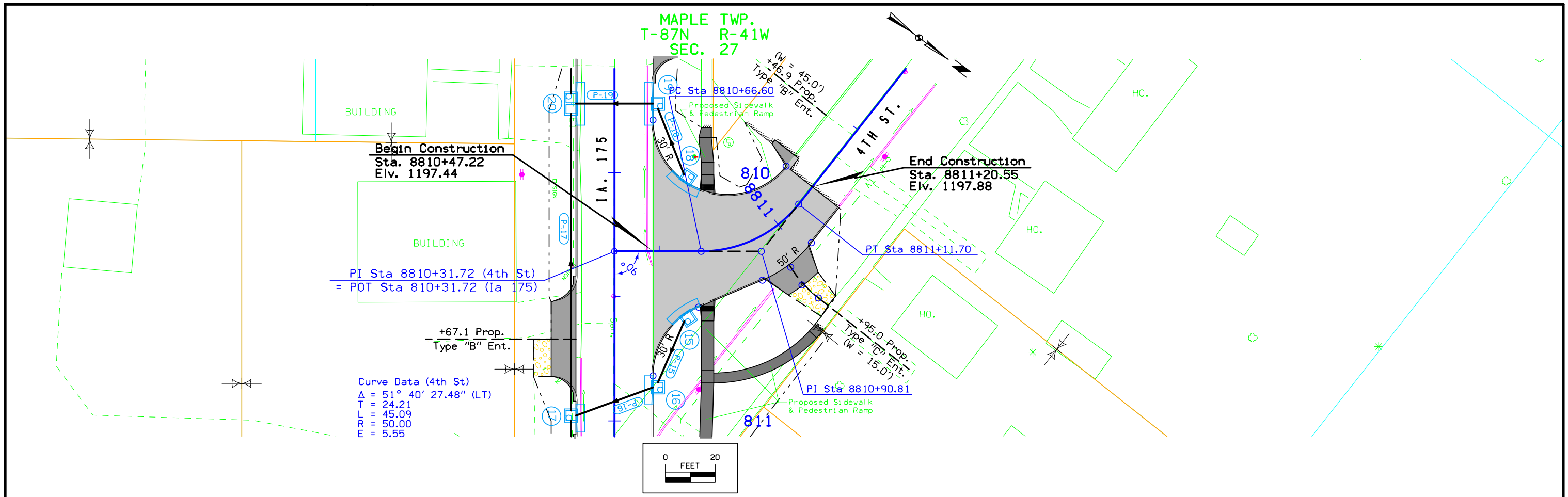


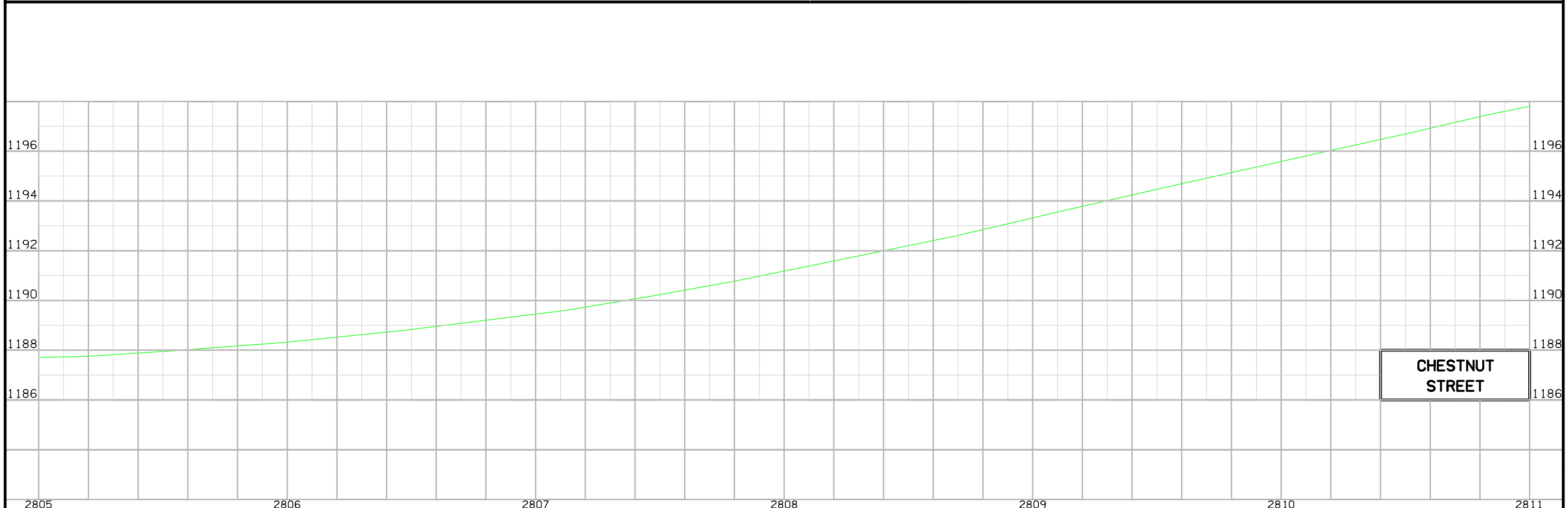
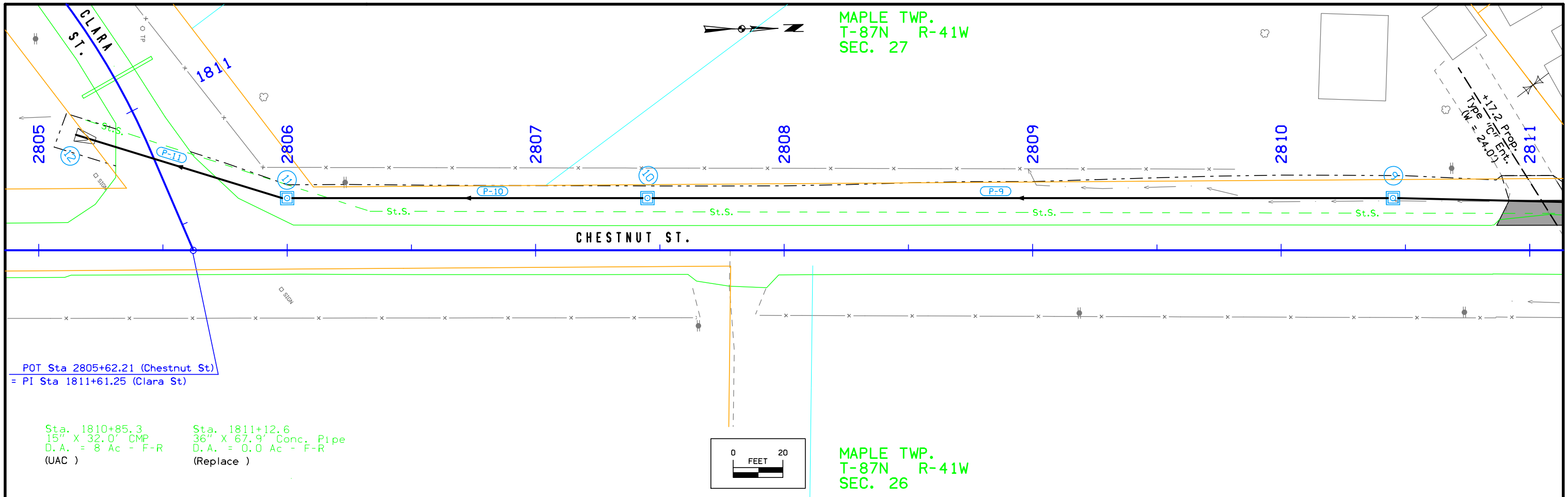
MAPLE TWP.
T-87N R-41W
SEC. 27



MAPLE TWP.
T-87N R-41W
SEC. 27







General Information

All measurements for this survey are in English Units.
 The mainline alignment is an as-built alignment.
 The co-ordinates for this project are GPS OPUS Points.
 Co-ordinates are approximate State Plane Co-ordinates and are unique to this project.

This survey was collected by an IDOT Preliminary Survey Crew. This survey was a Full DTM survey, including the bench levels, and references.

VERTICAL DATUM

The Vertical Datum for this survey is relative to USGS BM UE 8741-33SW(NAVD88).
 A three-wire bench run was ran through the project and returned.

Equations are as follows:
 UE 8741-33SW EL= 1180.72 =
 BM 500 EL= 1180.72

HORIZONTAL DATUM

The Mainline Alignment is an as-built alignment. Stationing for IA 175 was established from POT Sta. 788+39.60 F.A. PROJ. 732"A" As-built Plans. This stationing was backed southwesterly to PI Sta. 778+43.96 then carried northeasterly to the EOP at Sta. 818+66.89

Equations are as follows:

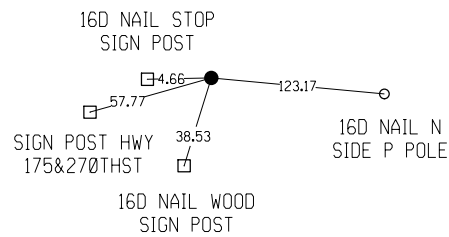
PI STA 778+44.4 IDA CO.F.A.PROJ. 732"A" AS-BUILT PLANS
 = PI STA 778+43.96 THIS SURVEY

POT STA 788+39.6 IDA CO.F.A.PROJ. 732"A" AS-BUILT PLANS
 = POT STA 788+39.60 THIS SURVEY

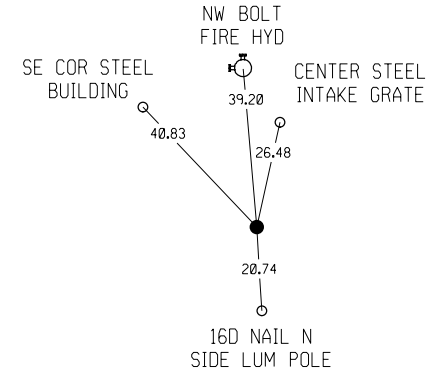
BENCHMARKS

No.	Sta.	ELEVATION	DESCRIPTION
No. 502 Sta.	783+54.81	30.778 Rt.	CUT "X" NW BOLT FIRE HYD----- 1194.574
No. 503 Sta.	788+60.25	33.408 Lt.	CUT "X" NW BOLT FIRE HYD----- 1191.719
No. 510 Sta.	791+67.59	673.805 Rt.	CUT "X" NW BOLT FIRE HYD----- 1189.836
No. 504 Sta.	792+47.82	31.360 Lt.	CUT "X" N BOLT FIRE HYD----- 1194.345
No. 505 Sta.	796+00.05	35.125 Lt.	CUT "X" SW BOLT FIRE HYD----- 1193.401
No. 506 Sta.	799+46.26	30.674 Lt.	CUT "X" NW BOLT FIRE HYD----- 1196.863
No. 511 Sta.	802+87.32	672.310 Rt.	CUT "X" N BOLT FIRE HYD----- 1192.211
No. 507 Sta.	803+64.74	32.712 Lt.	CUT "X" NW BOLT FIRE HYD----- 1199.739
No. 512 Sta.	809+33.26	653.438 Rt.	SET RR SPK E SIDE P POLE----- 1185.293
No. 508 Sta.	809+93.44	33.374 Lt.	CUT "X" NW BOLT FIRE HYD----- 1199.500
No. 509 Sta.	813+84.05	30.980 Rt.	CUT "X" E BOLT FIRE HYD----- 1201.526

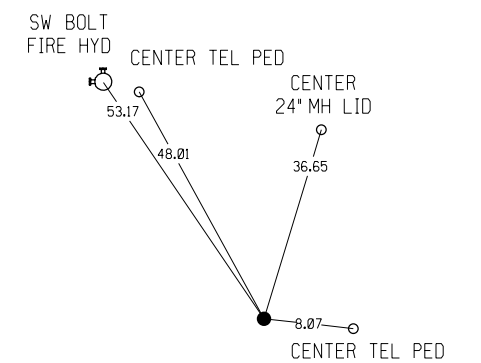
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 XC=4352236.23, YC=3583995.39



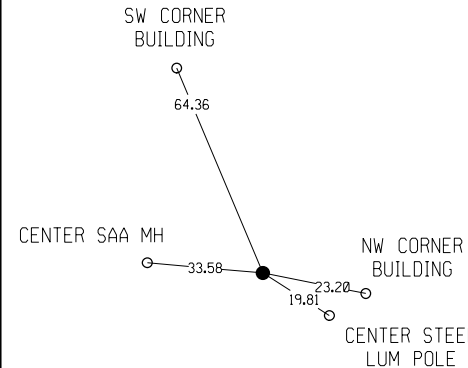
POT STA 788+39.60
 POINT #102
 FD PK NAIL
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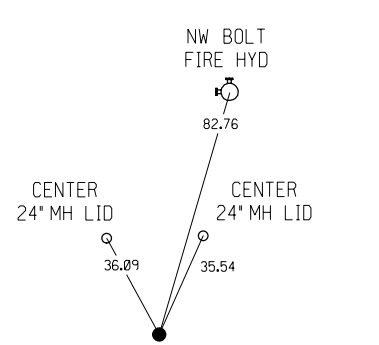
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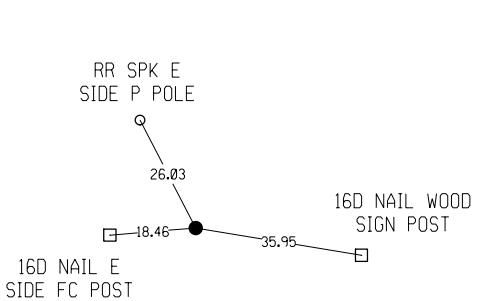
CP STA 800+04.15,22.956RT
 POINT #205
 SET CUT "X" IN CONC SLAB
 XC=4353771.28, YC=3585046.19



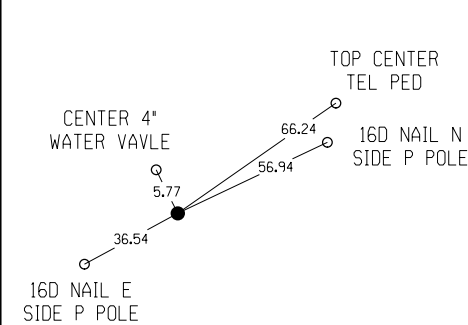
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 POINT #206
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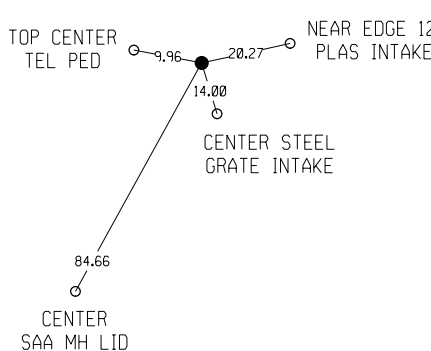
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 POINT #211
 SET IRON PIN 4" DEEP
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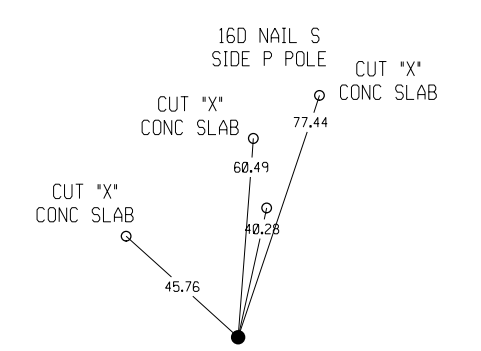
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 POINT #207
 SET 60D NAIL
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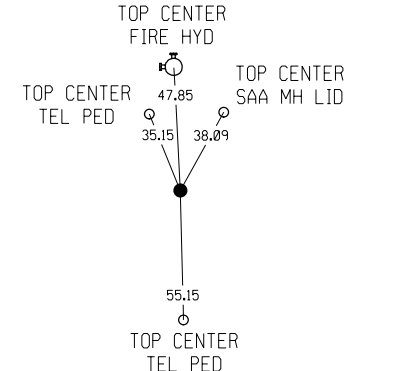
CP STA 815+38.83,34.276LT
 POINT #208
 SET IRON PIN 3" DEEP
 XC=4354969.39, YC=3586006.94



PI STA 818+66.89,0.000
 POINT #105
 FD PK NAIL
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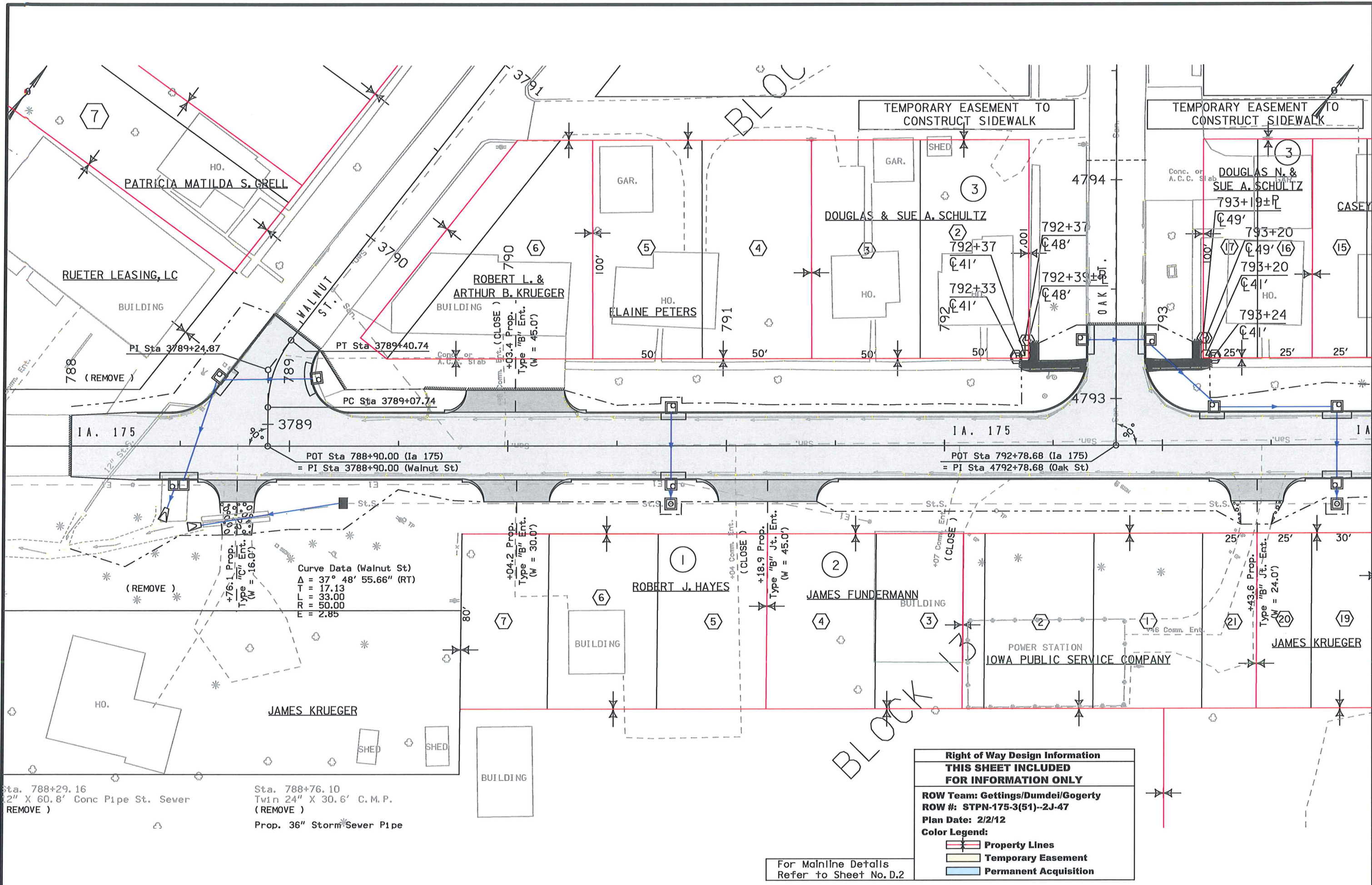
CP STA 1805+03.23,14.71RT
 POINT #210
 SET 60D NAIL
 XC=4354388.34, YC=3584645.41



DETAILS OF REFERENCE INFORMATION

All References are Plumb Distances unless otherwise noted.

Ida	ROW Project Number:STPN-175-3(51)--2J-47	PIN:05-47-175-010														
	First. St. In Battle Creek From Walnut St. NE To Chestnut St./E. Jct. Co. Rd. L-51															
PARCEL NO.	OWNER NAME	R/W STATE - FEE	R/W STATE - EASE	R/W COUNTY - FEE	R/W COUNTY - EASE	R/W CITY - FEE	R/W CITY - EASE	EXCESS	BORROW - FEE	BORROW - T.E.	MITIGATION	OTHER	HOUSE	BUILDING(S)	A/C ONLY	TOTAL ACQ.
1	ROBERT J. HAYES															
2	JAMES FUNDERMANN															
3	DOUGLAS SCHULTZ SUE A. SCHULTZ															
4	MIDWEST AGRICULTURE WAREHOUSE CO.															
5	DOUGLAS A. LOEHR															
6	AL'S CORNER OIL CO.															
7	ROBERT J. UHL (1/2 INT.) DARRON UHL JEANNIA UHL															
8	ALCOMA CORPORATION															
9	CITY OF BATTLE CREEK															
9A	VERNUS WUNSCHHEL JACQUELYN WUNSCHHEL															
10	ROBIN HILL TRUST															
11	EARL ZOCH DARLENE J. ZOCH															
12	MARVIN BLUME															
13	FREDERICK VERMEYS MARETA VERMEYS															
14	THOMAS A. COOPER DIANE L. COOPER					1167 SF										
15	ARTHUR H. SCHUMACHER HELEN J. SCHUMACHER															
16	ROBIN LORENZEN															
17 PARCELS	TOTALS	0 AC	0 AC	0 AC	0 AC	0 AC	0 AC	0 AC	0 AC	0 AC	0 AC					
		0 SF	0 SF	0 SF	0 SF	1167 SF	0 SF	0 SF								



Curve Data (Walnut St)
 $\Delta = 37^\circ 48' 55.66''$ (RT)
 $T = 17.13$
 $L = 33.00$
 $R = 50.00$
 $E = 2.85$

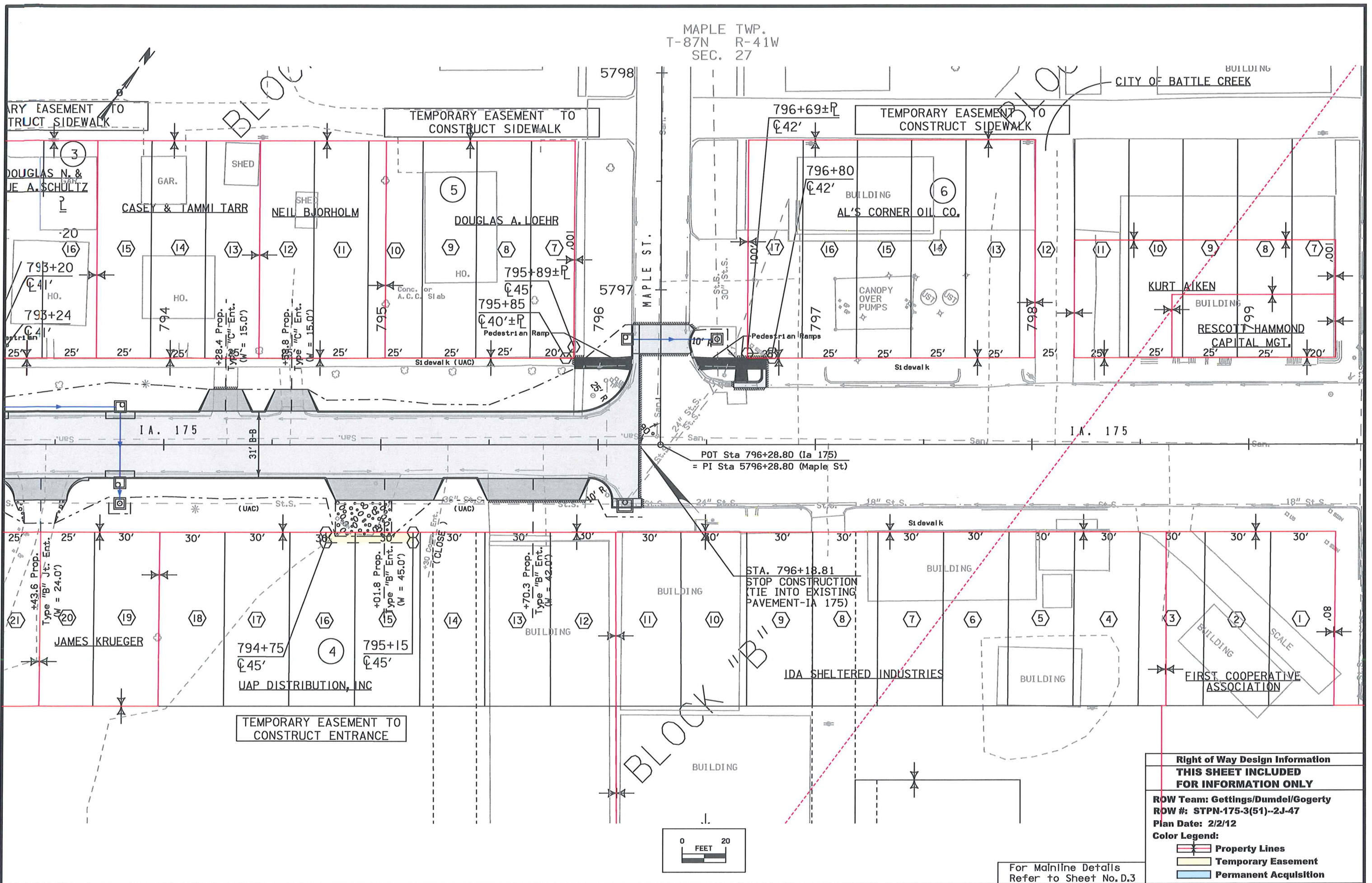
Right of Way Design Information	
THIS SHEET INCLUDED	
FOR INFORMATION ONLY	
ROW Team: Gettings/Dumdei/Gogerty	
ROW #: STPN-175-3(51)--2J-47	
Plan Date: 2/2/12	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition

For Mainline Details
 Refer to Sheet No. D.2

Sta. 788+29.16
 12" X 60.8' Conc Pipe St. Sewer
 REMOVE)

Sta. 788+76.10
 Twin 24" X 30.6' C.M.P.
 (REMOVE)
 Prop. 36" Storm Sewer Pipe

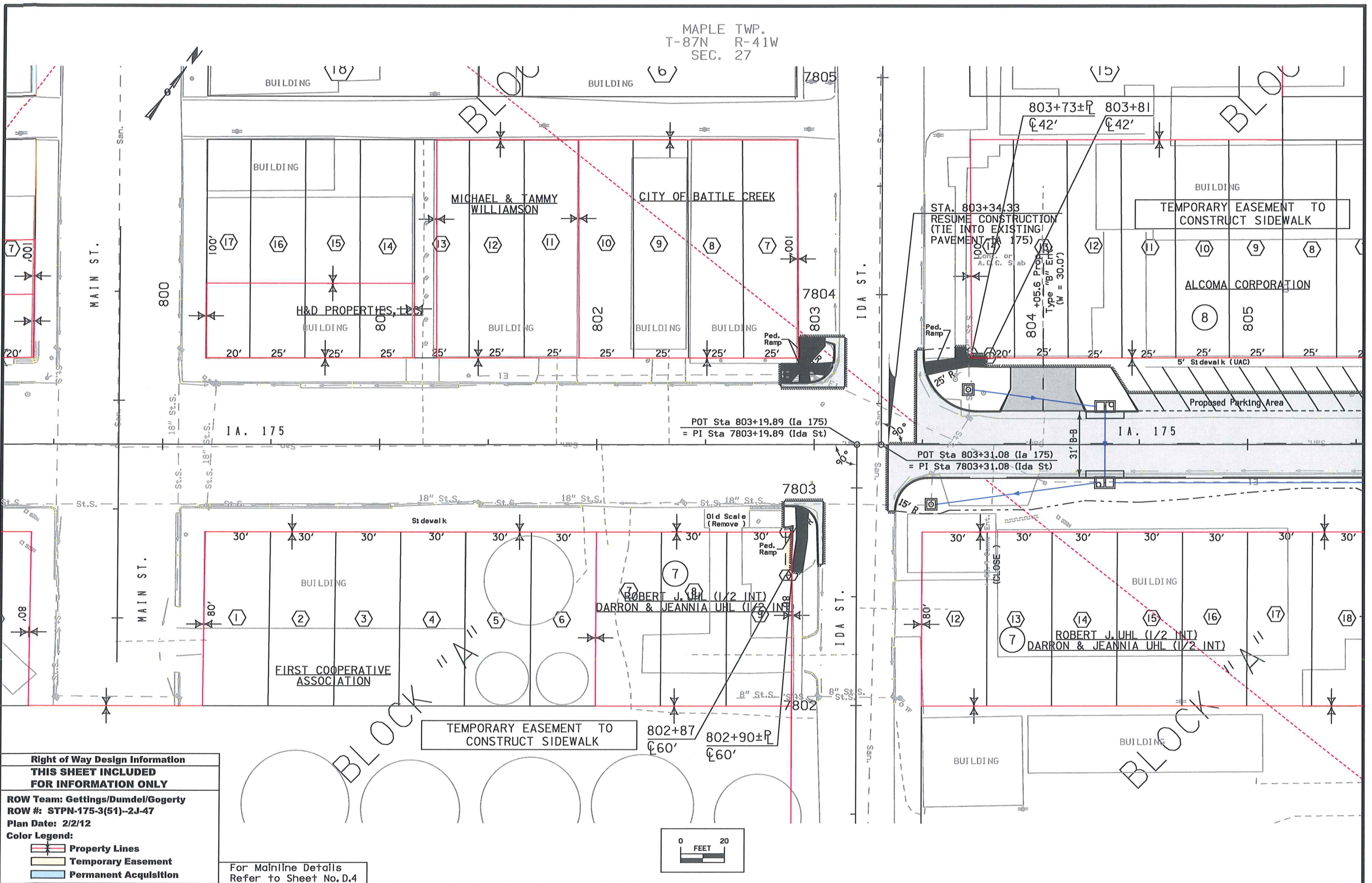
MAPLE TWP.
T-87N R-41W
SEC. 27



Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
 ROW Team: Gettings/Dumdel/Gogerty
 ROW #: STPN-175-3(51)--2J-47
 Plan Date: 2/2/12
 Color Legend:
 [Red Line] Property Lines
 [Yellow Area] Temporary Easement
 [Blue Area] Permanent Acquisition

For Mainline Details Refer to Sheet No. D.3

MAPLE TWP.
T-87N R-41W
SEC. 27



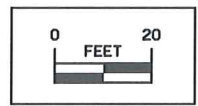
Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: Gettings/Dumdel/Gogerty
 ROW #: STPN-175-3(51)--2J-47
 Plan Date: 2/2/12

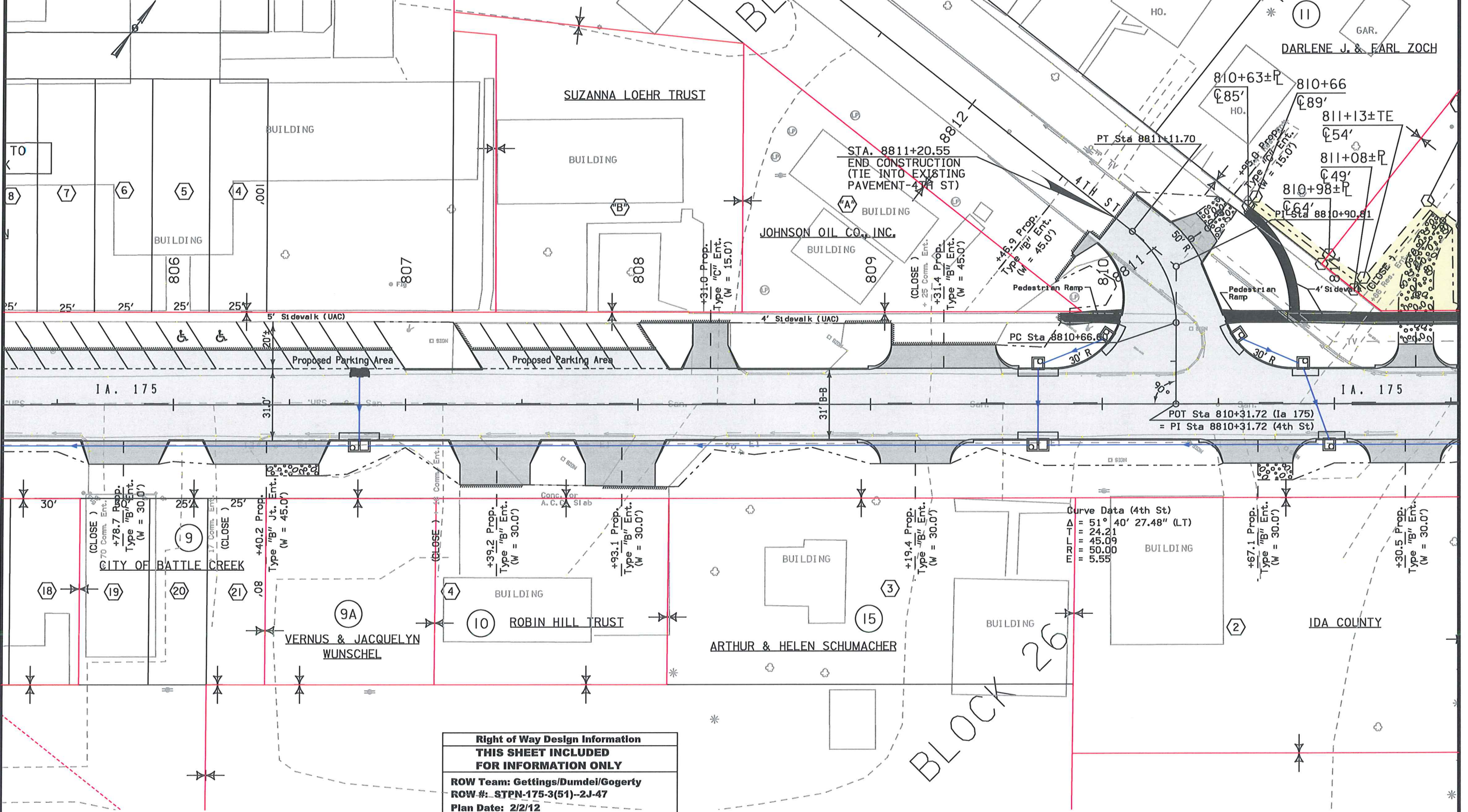
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

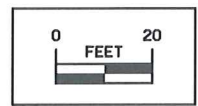
For Mainline Details
 Refer to Sheet No. D.4



MAPLE TWP.
T-87N R-41W
SEC. 27



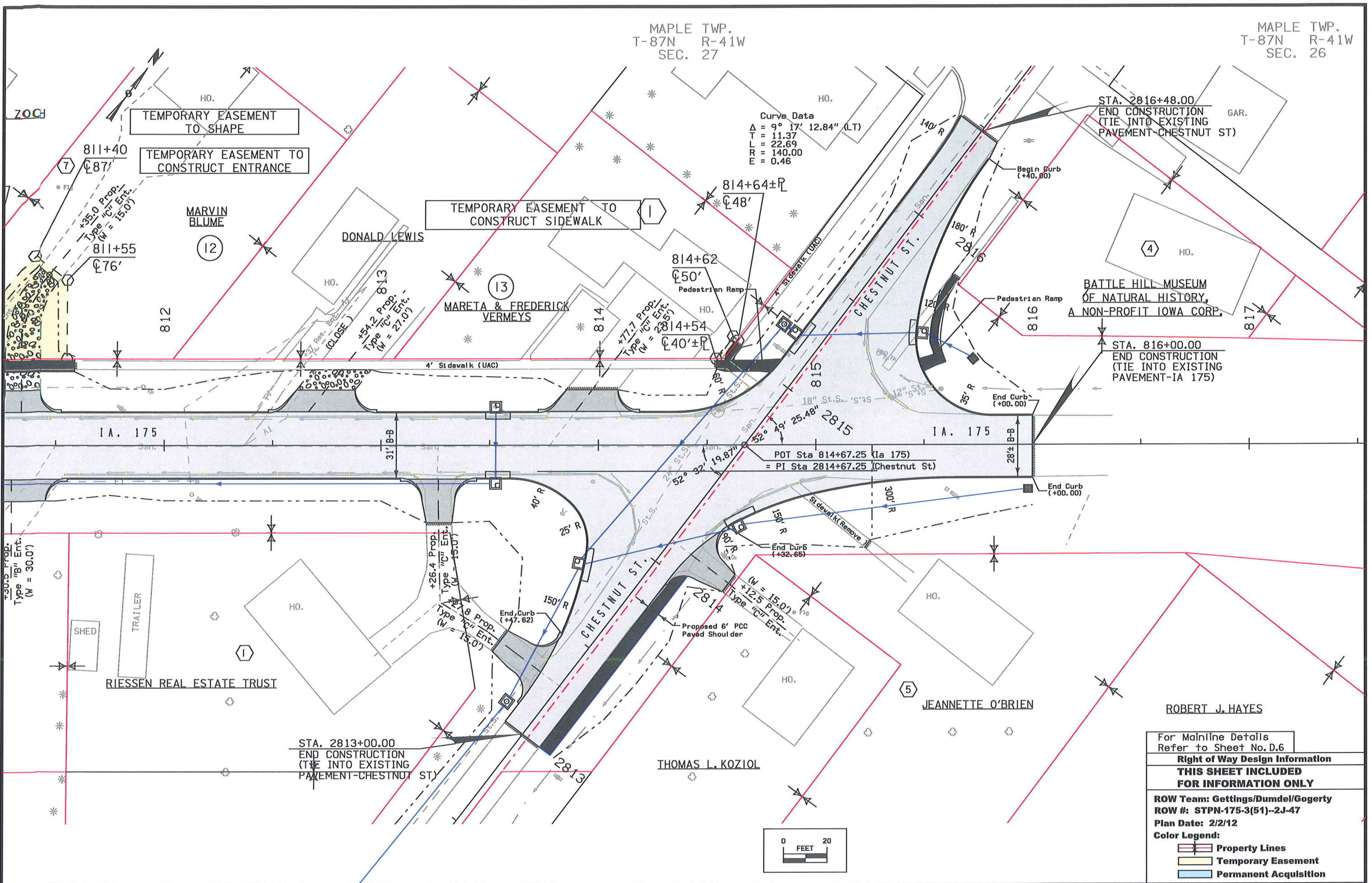
Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
 ROW Team: Gettings/Dumdei/Gogerty
 ROW #: STPN-175-3(51)--2J-47
 Plan Date: 2/2/12
 Color Legend:
 [Red Line] Property Lines
 [Yellow Area] Temporary Easement
 [Blue Area] Permanent Acquisition



For Mainline Details Refer to Sheet No. D.5

MAPLE TWP.
T-87N R-41W
SEC. 27

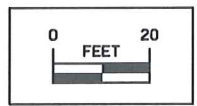
MAPLE TWP.
T-87N R-41W
SEC. 26

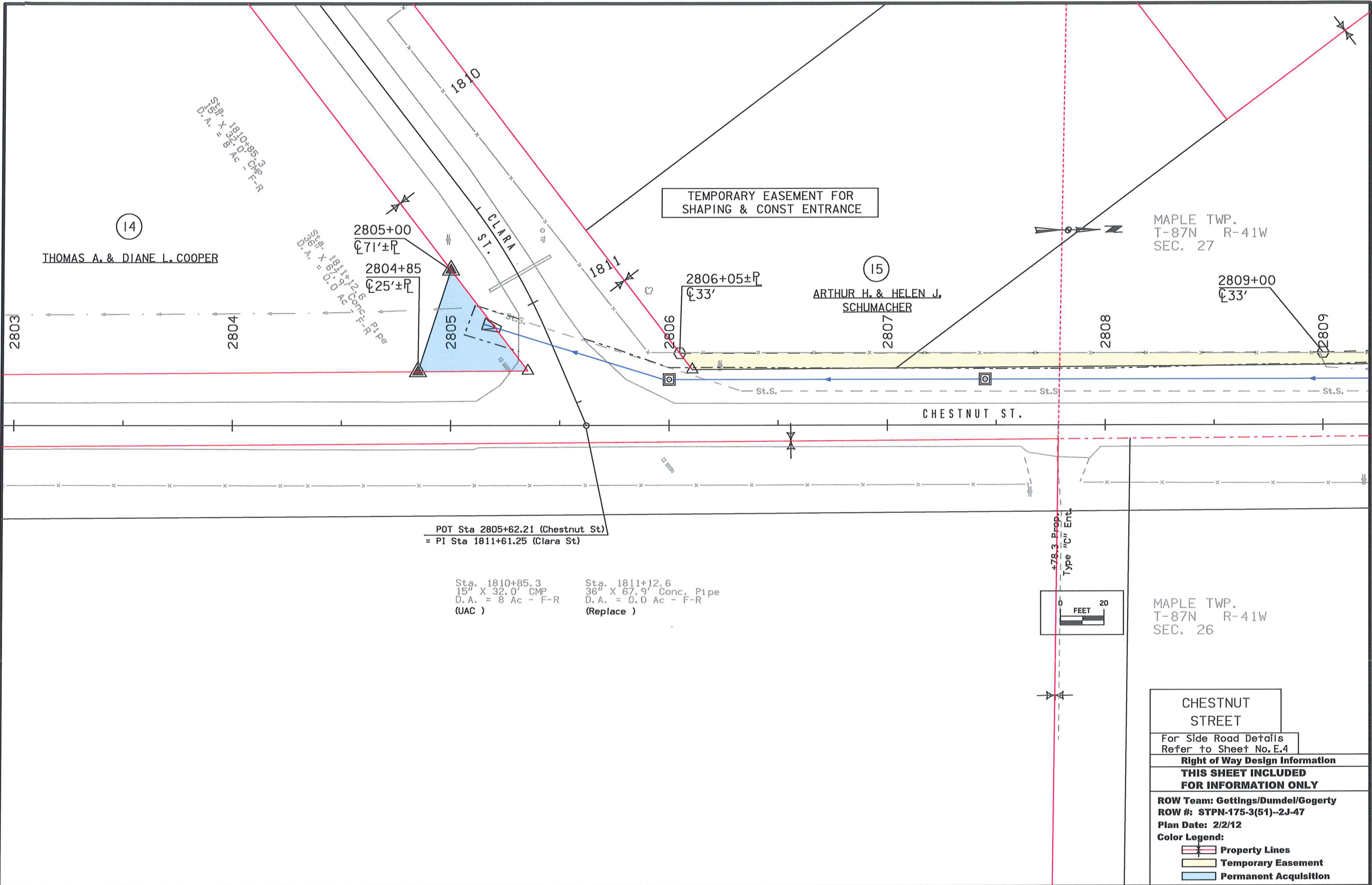


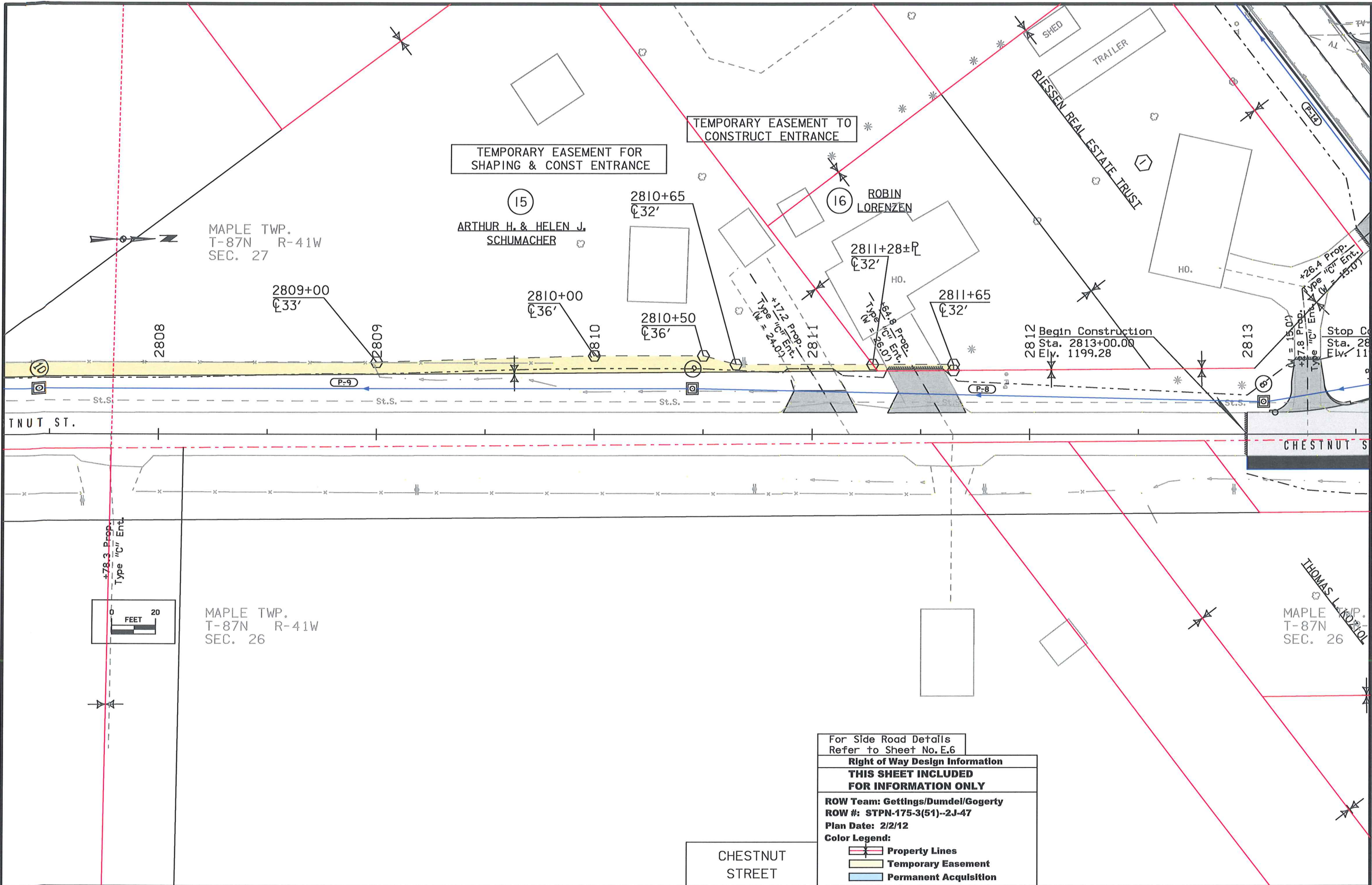
Curve Data

Δ	= 9° 17' 12.84" (LT)
T	= 11.37
L	= 22.69
R	= 140.00
E	= 0.46

For Mainline Details Refer to Sheet No. D.6
Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: Gettings/Dumdel/Gogerty
ROW #: STPN-175-3(51)--2J-47
Plan Date: 2/2/12
Color Legend:
— Property Lines
— Temporary Easement
— Permanent Acquisition







MAPLE TWP.
T-87N R-41W
SEC. 27

MAPLE TWP.
T-87N R-41W
SEC. 26

TEMPORARY EASEMENT FOR
SHAPING & CONST ENTRANCE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

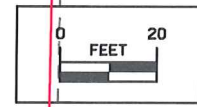
For Side Road Details
Refer to Sheet No. E.6

Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

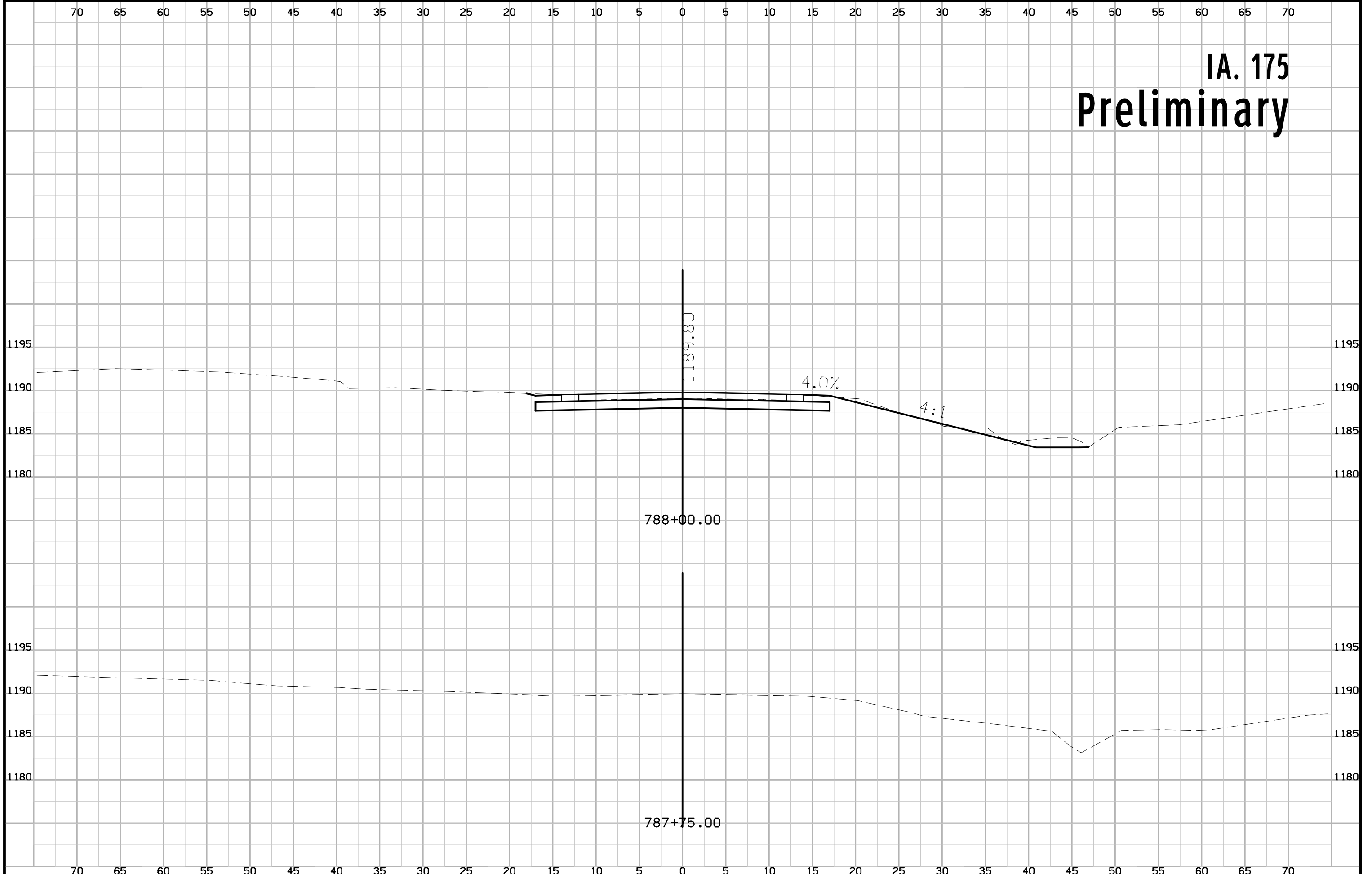
ROW Team: Gettings/Dumdell/Gogerty
ROW #: STPN-175-3(51)--2J-47
Plan Date: 2/2/12

Color Legend:

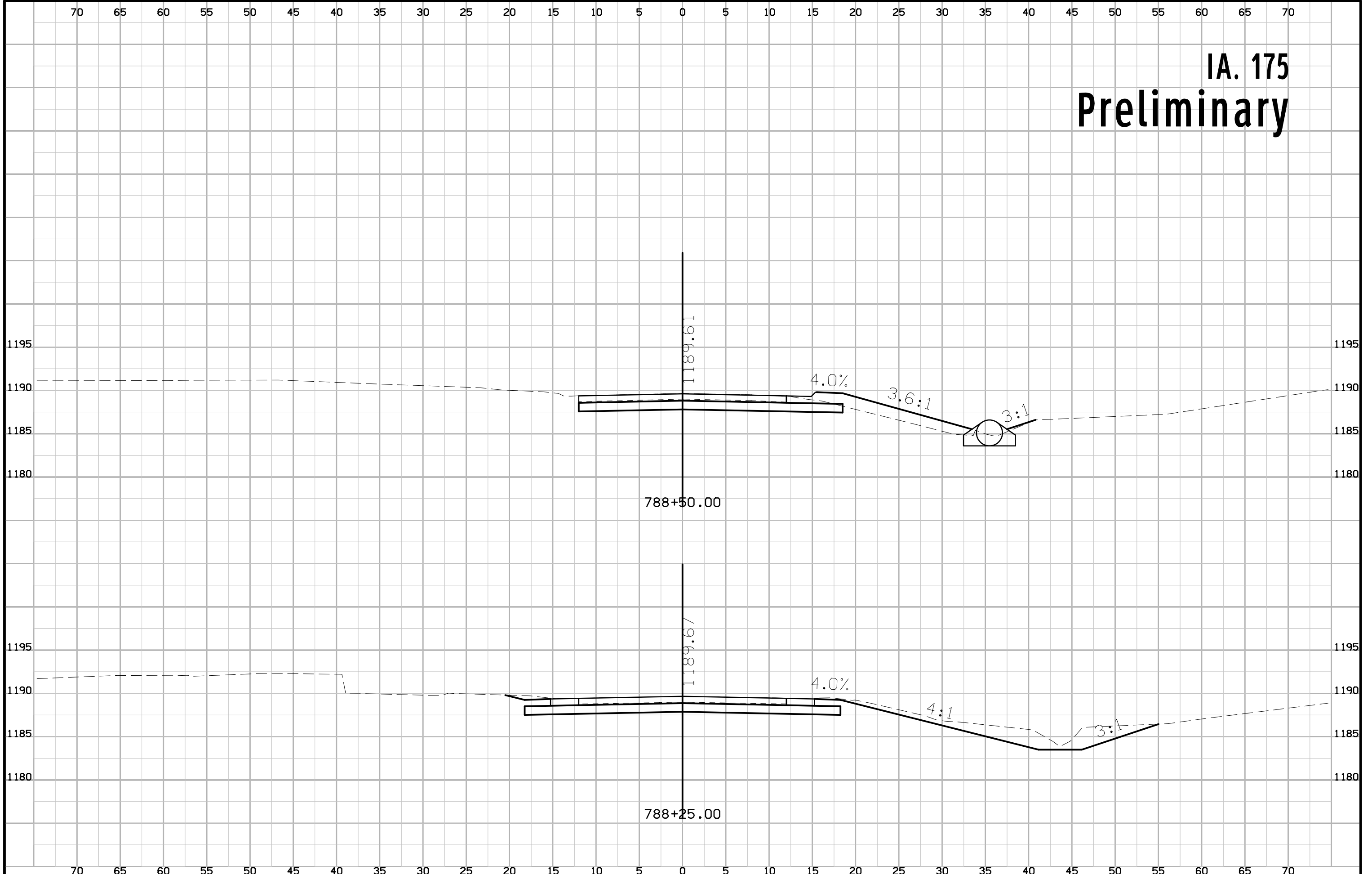
- Property Lines
- Temporary Easement
- Permanent Acquisition



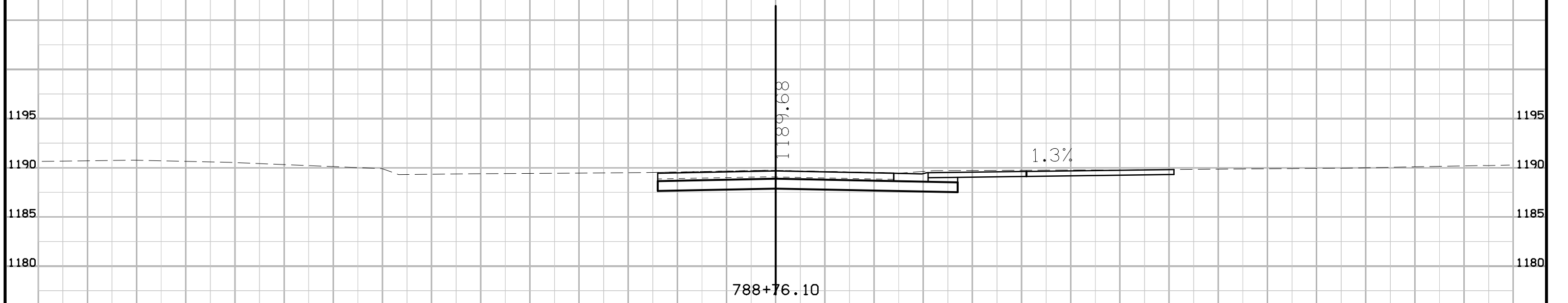
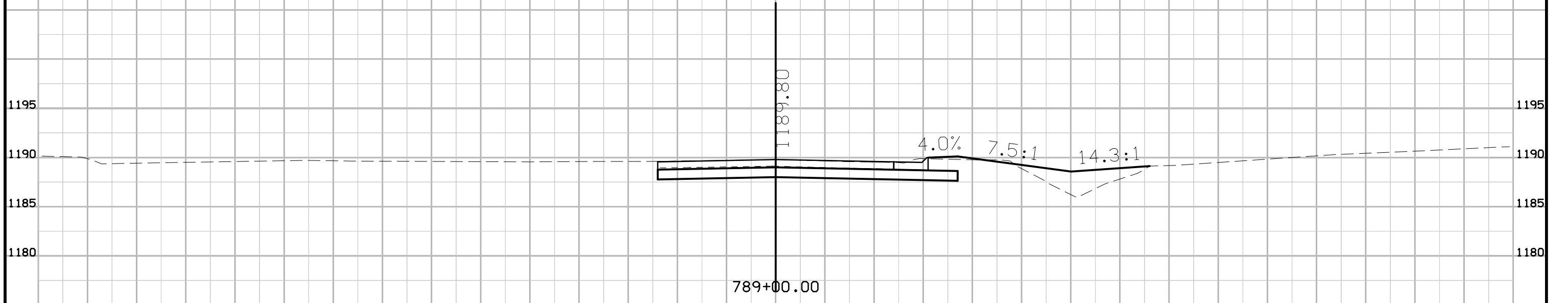
IA. 175 Preliminary



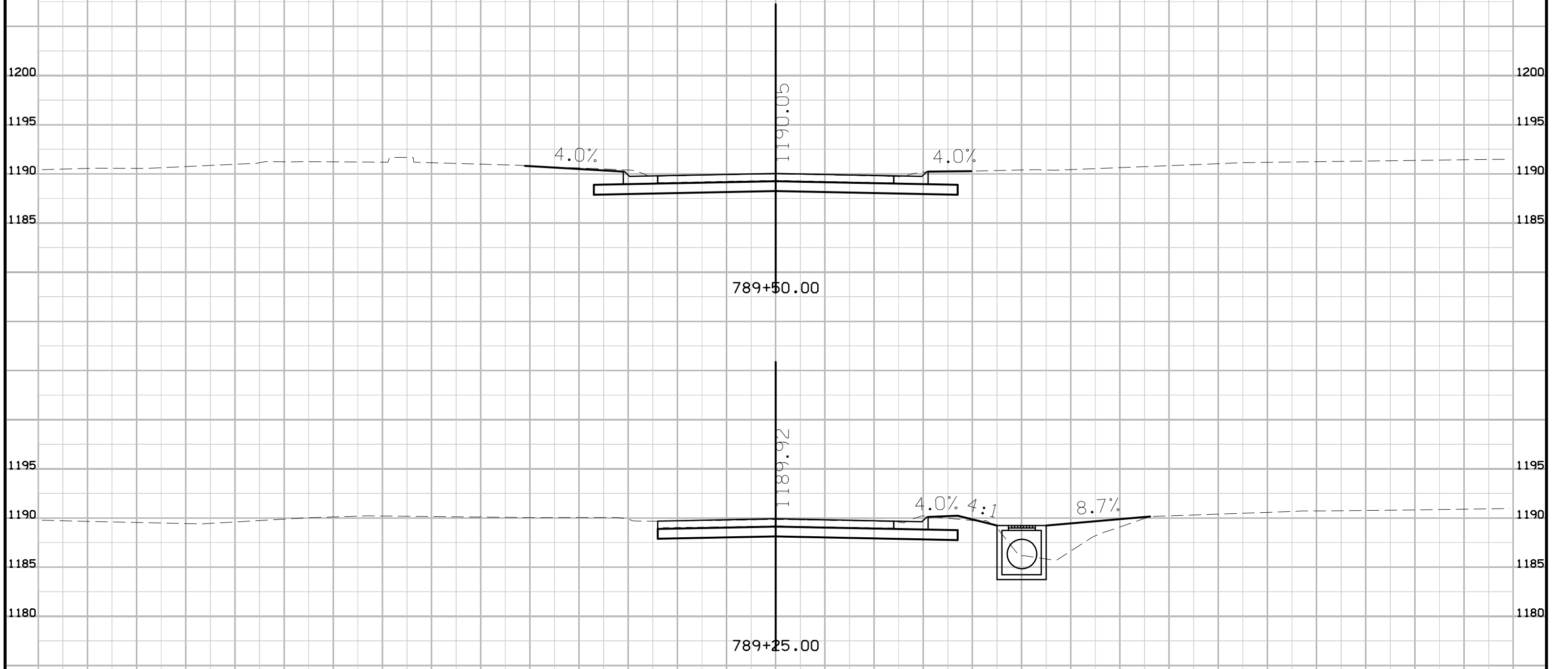
IA. 175 Preliminary



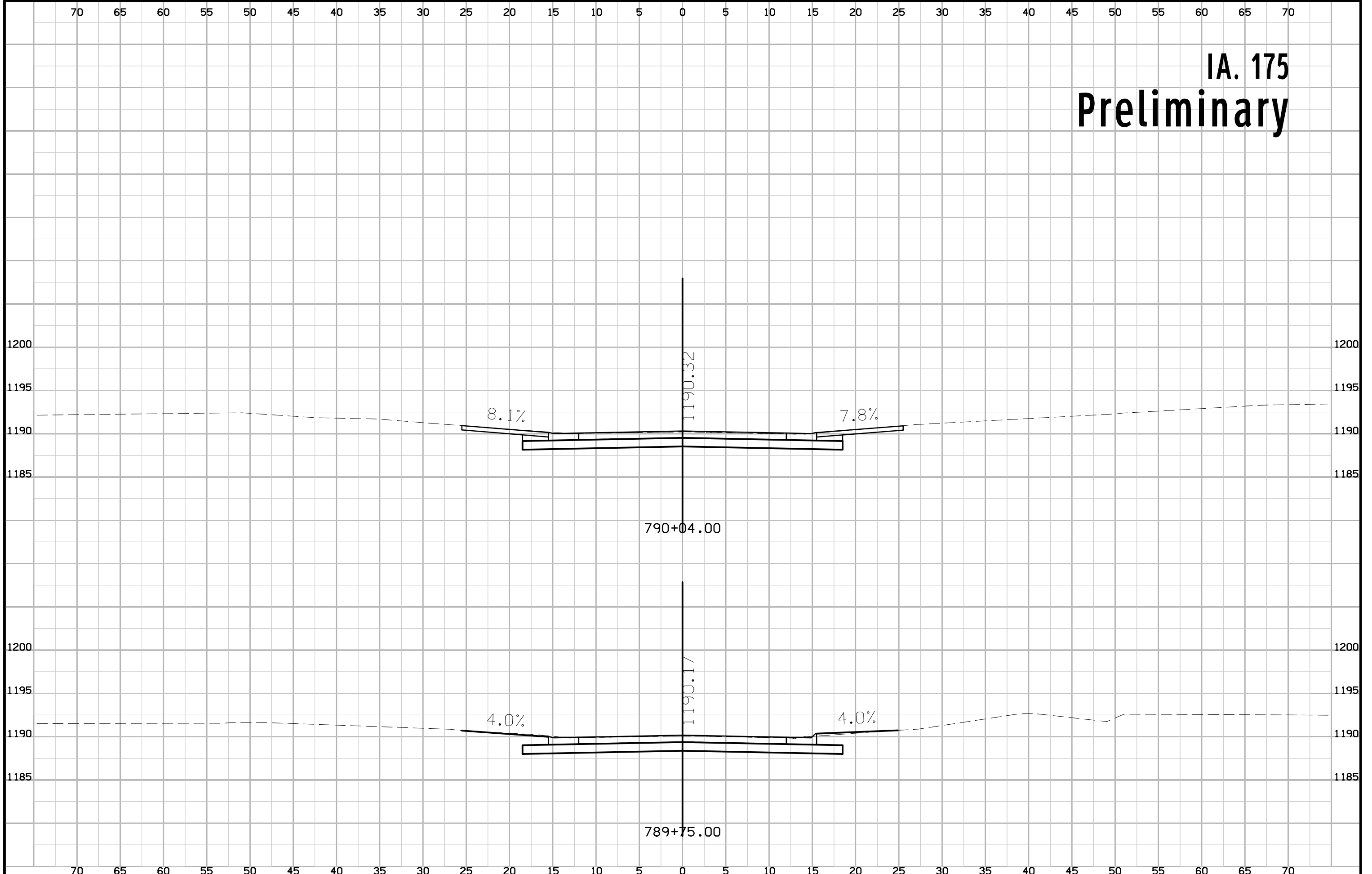
IA. 175 Preliminary



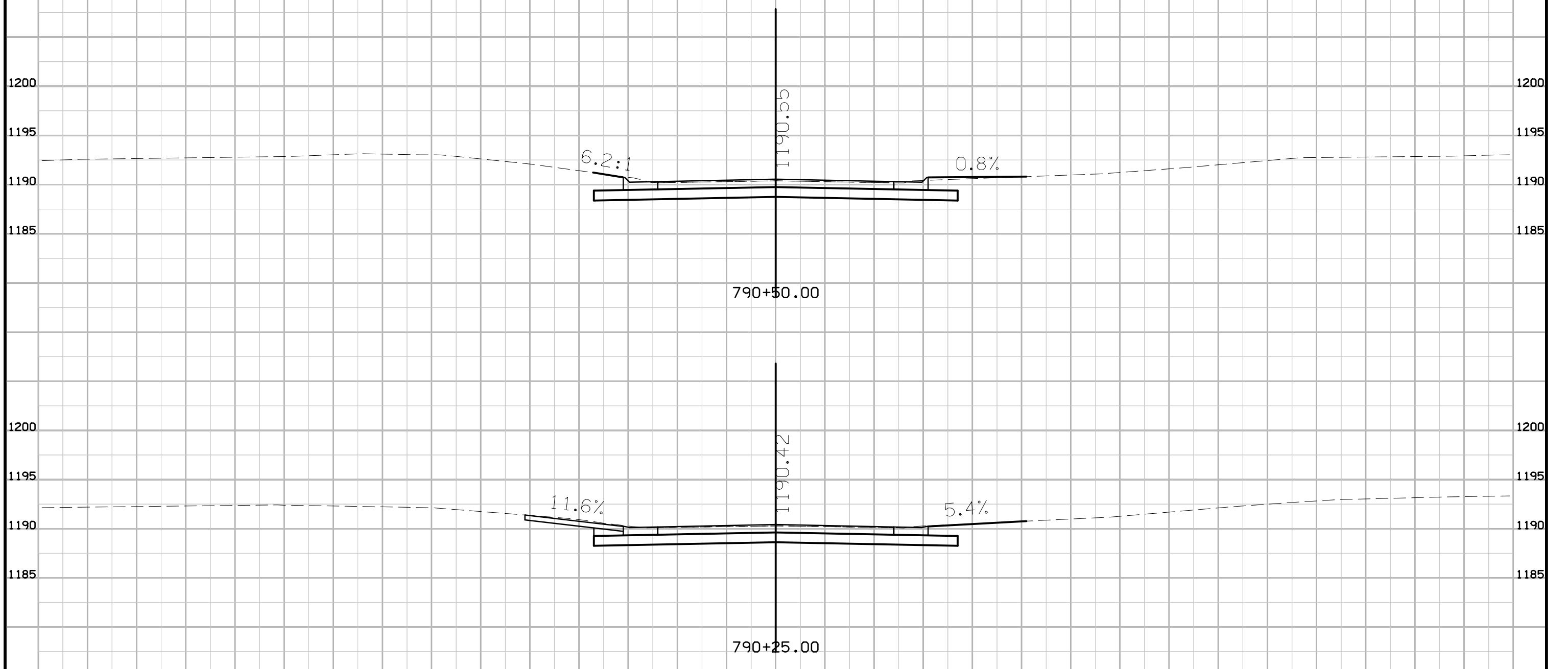
IA. 175 Preliminary



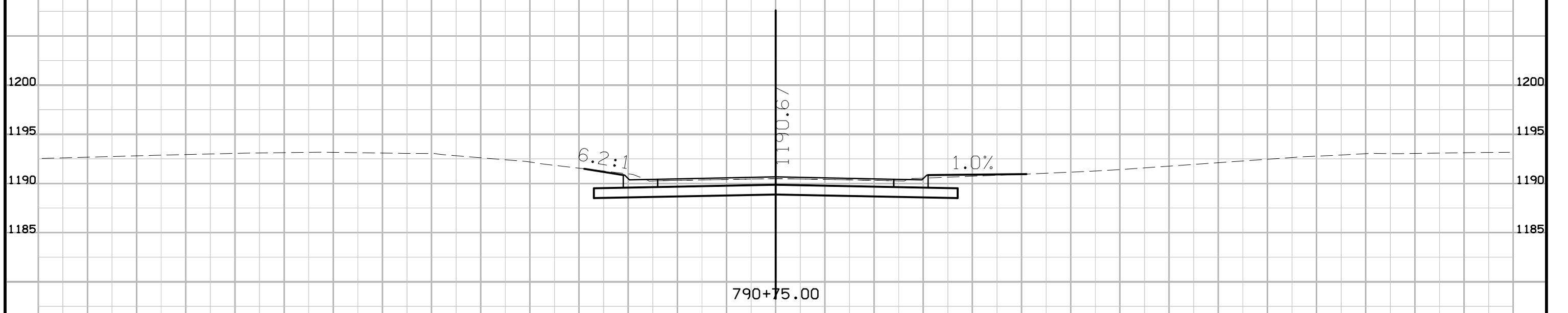
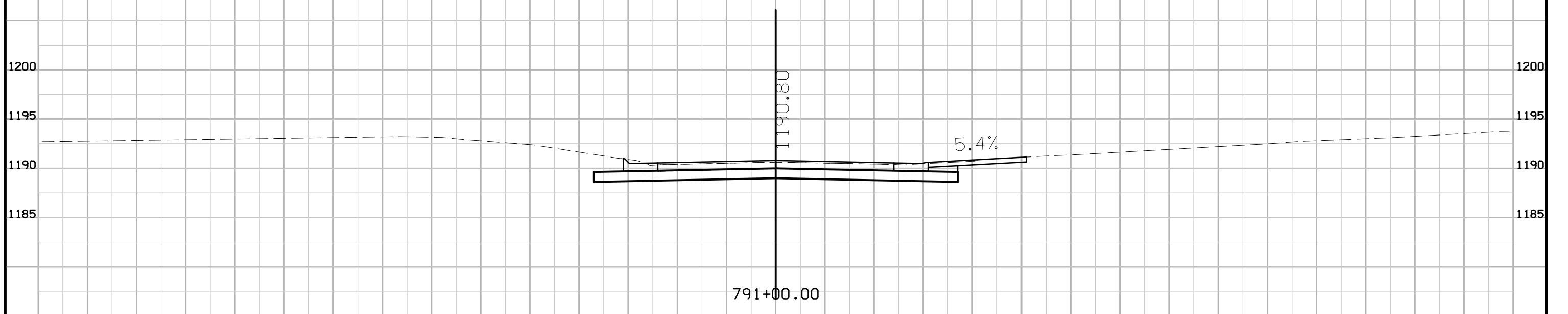
IA. 175 Preliminary



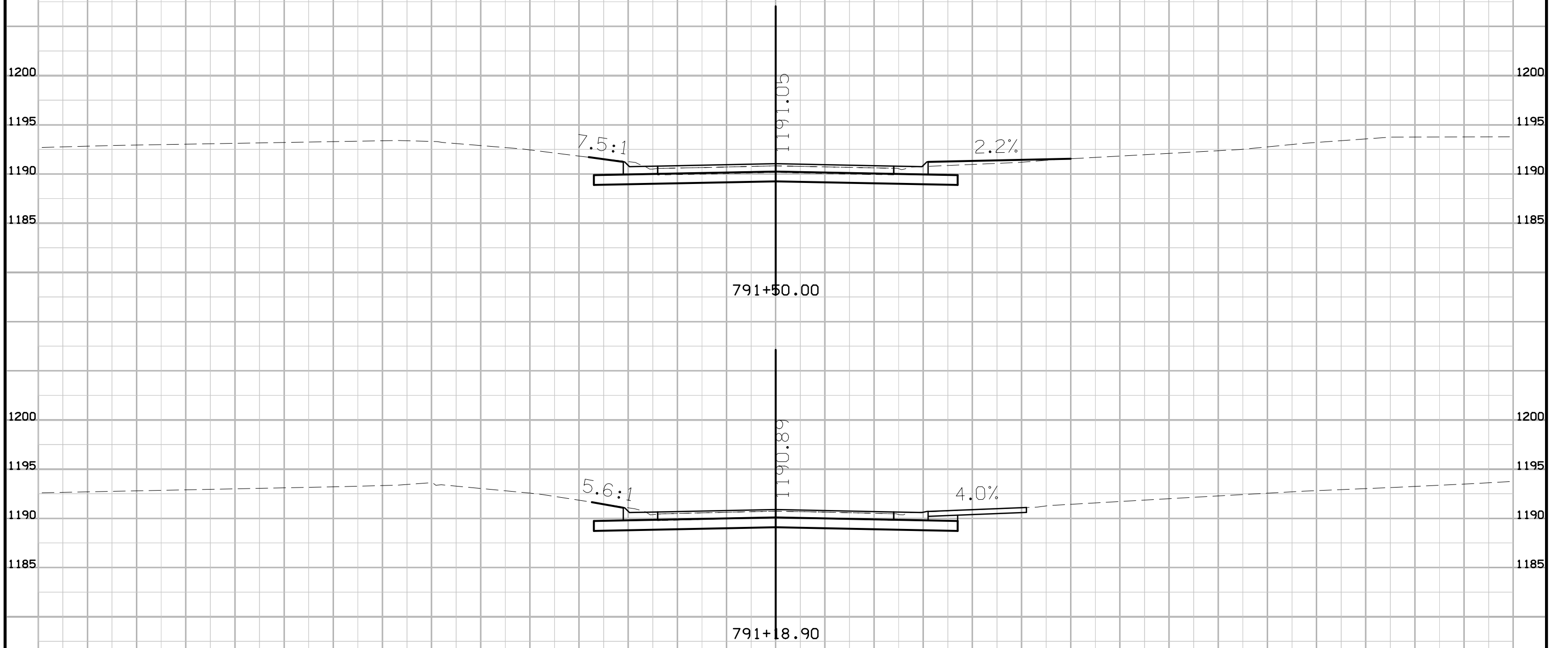
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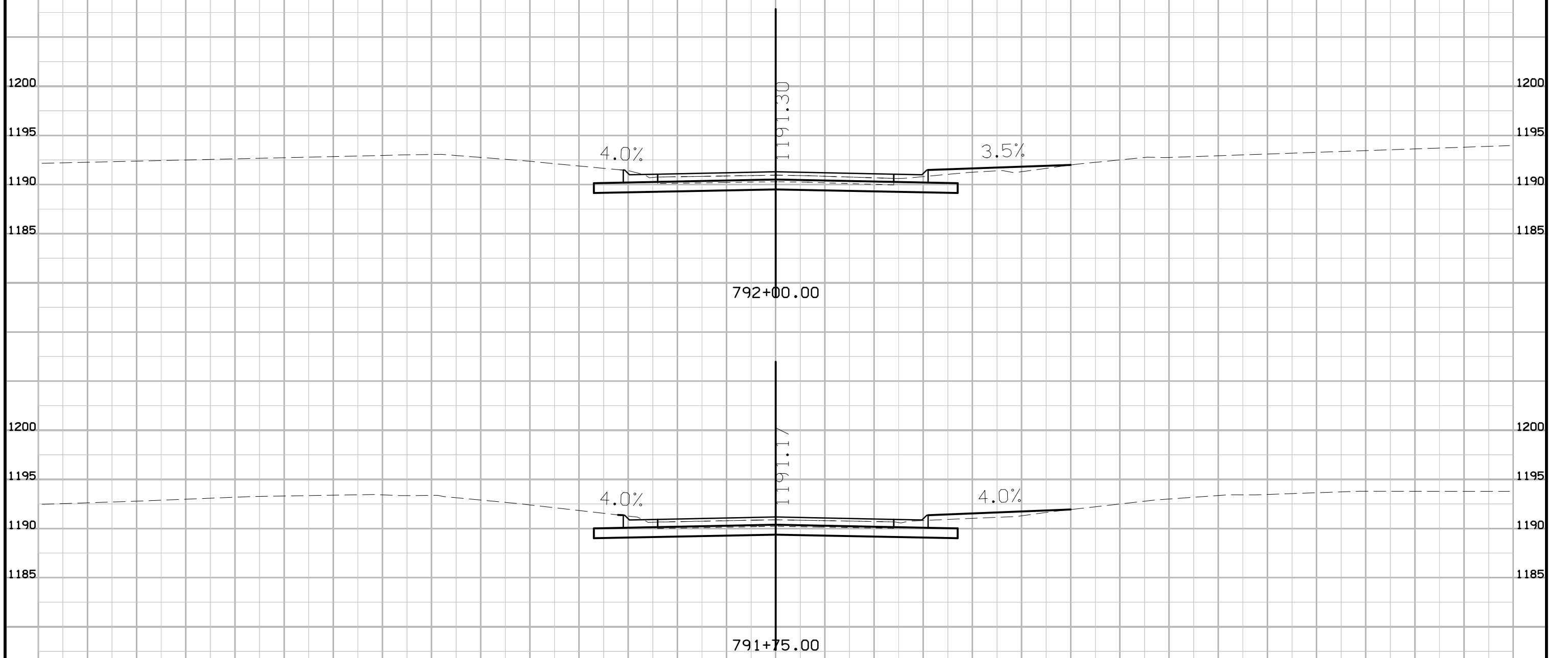
IA. 175 Preliminary



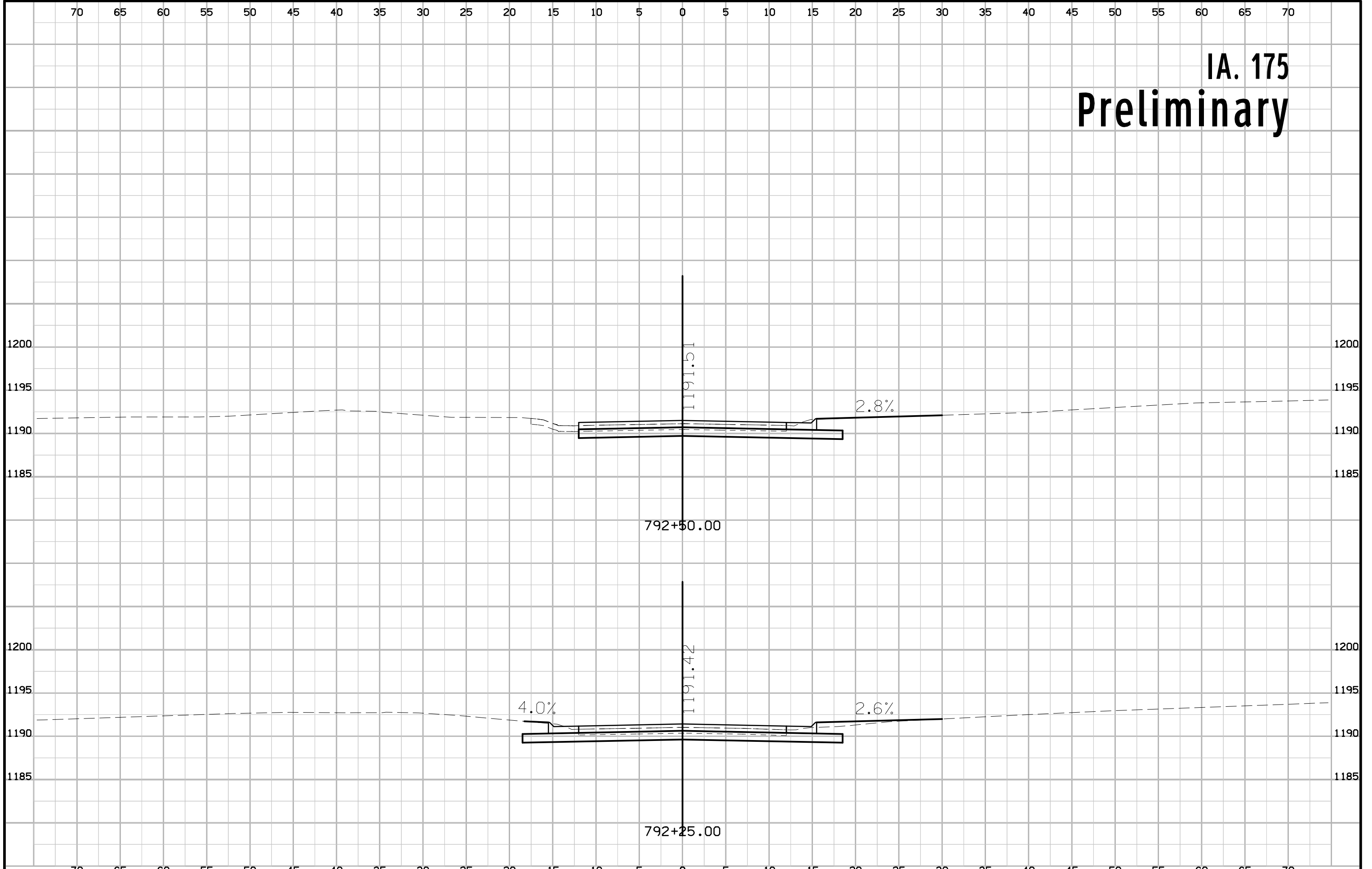
IA. 175 Preliminary



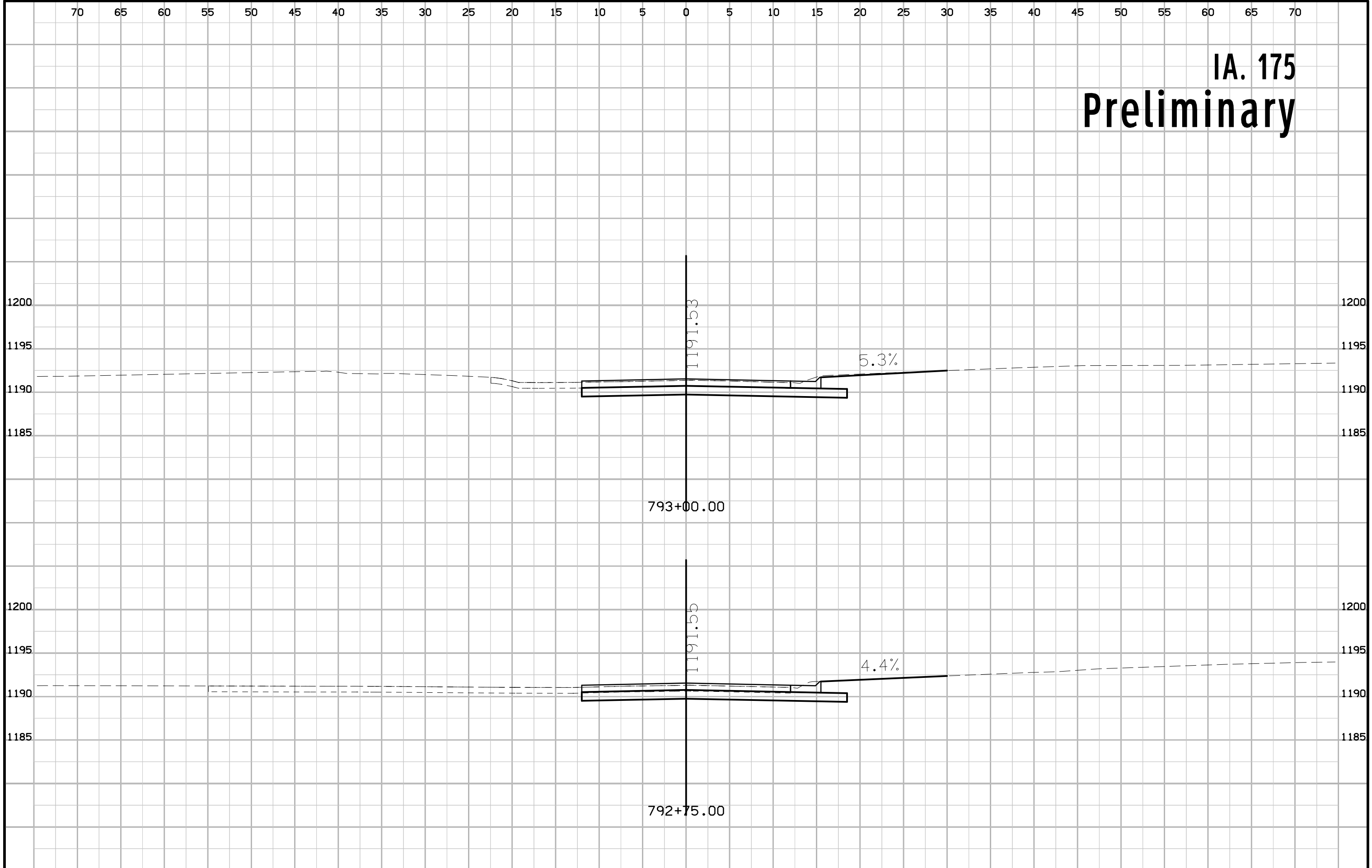
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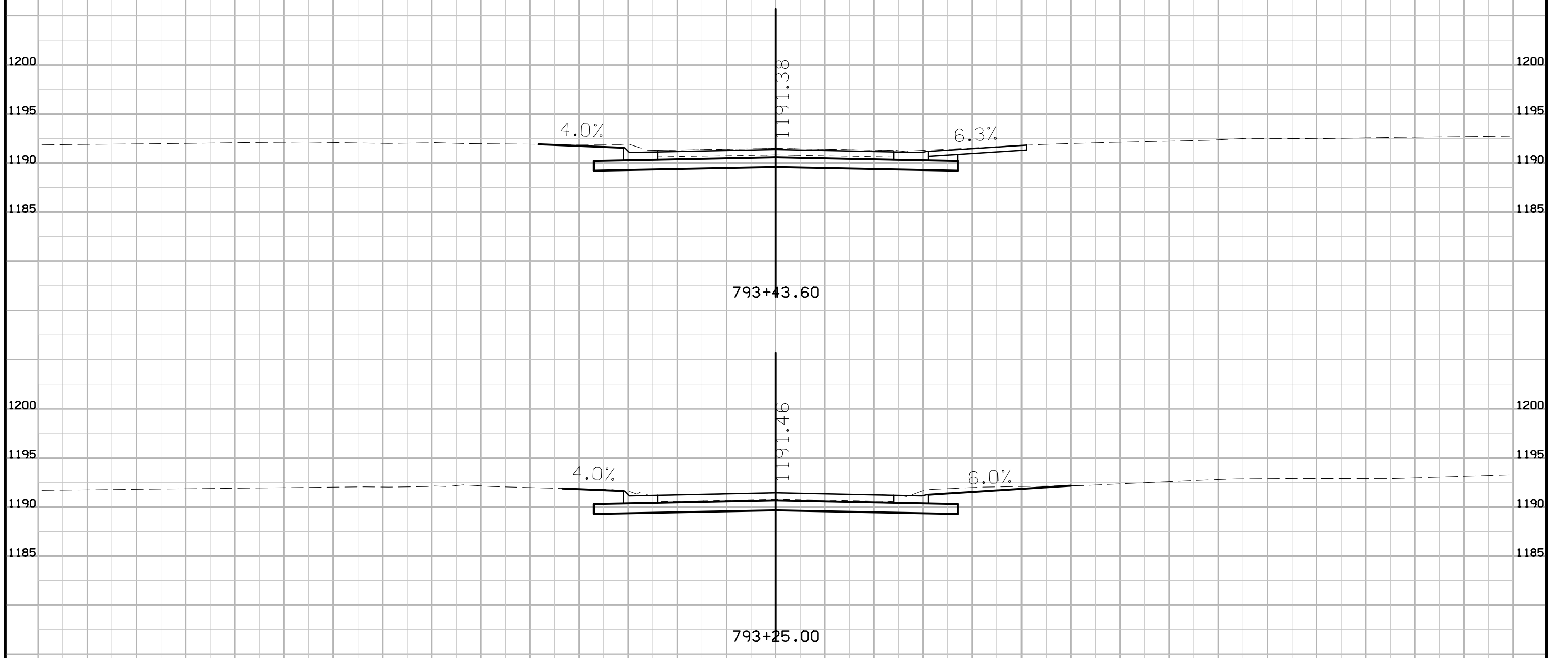
IA. 175 Preliminary



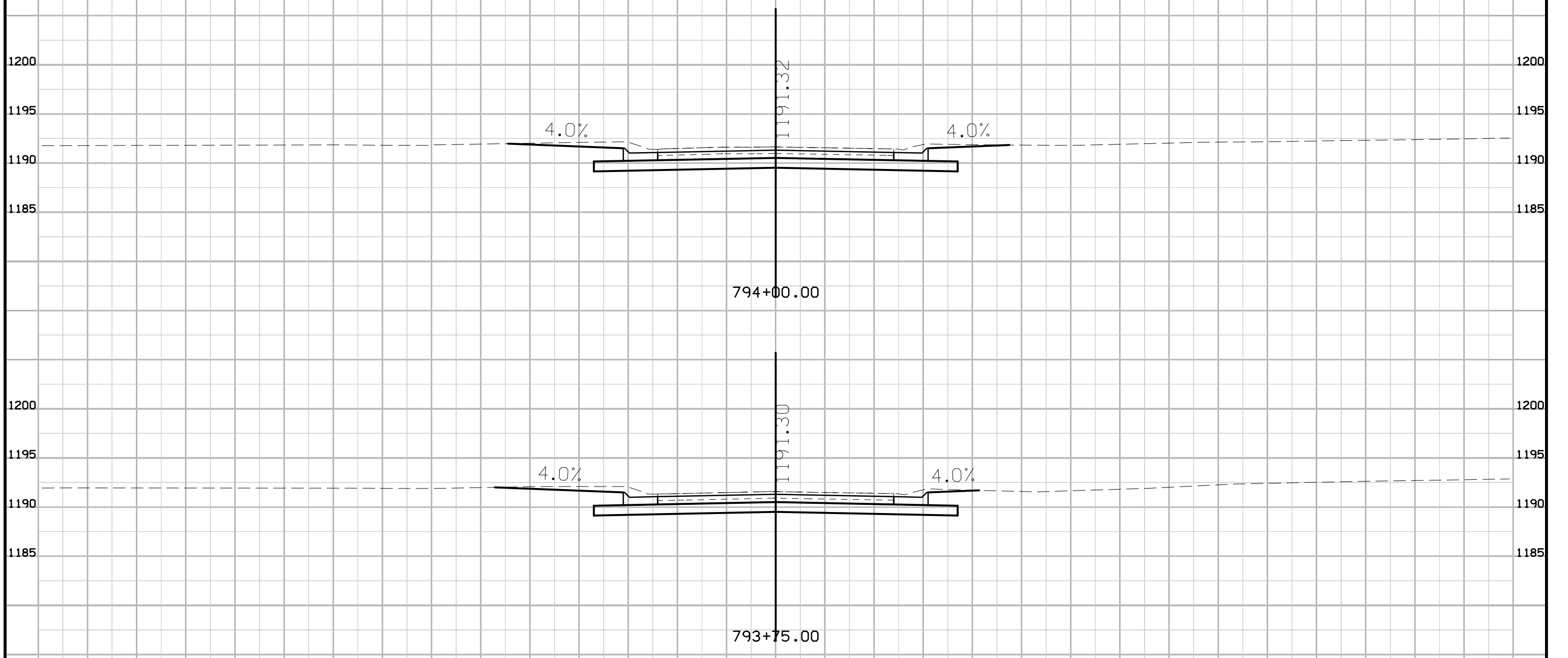
IA. 175 Preliminary



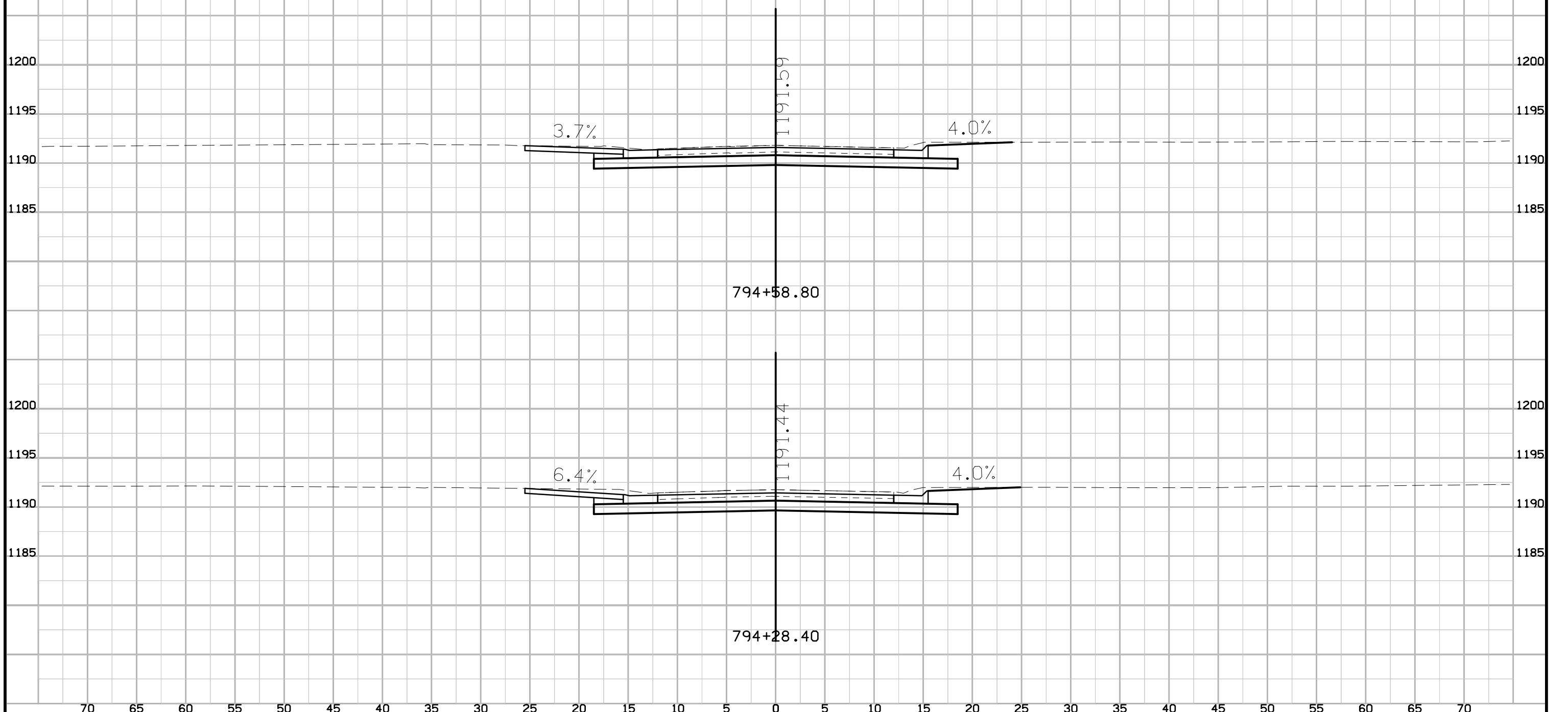
IA. 175 Preliminary



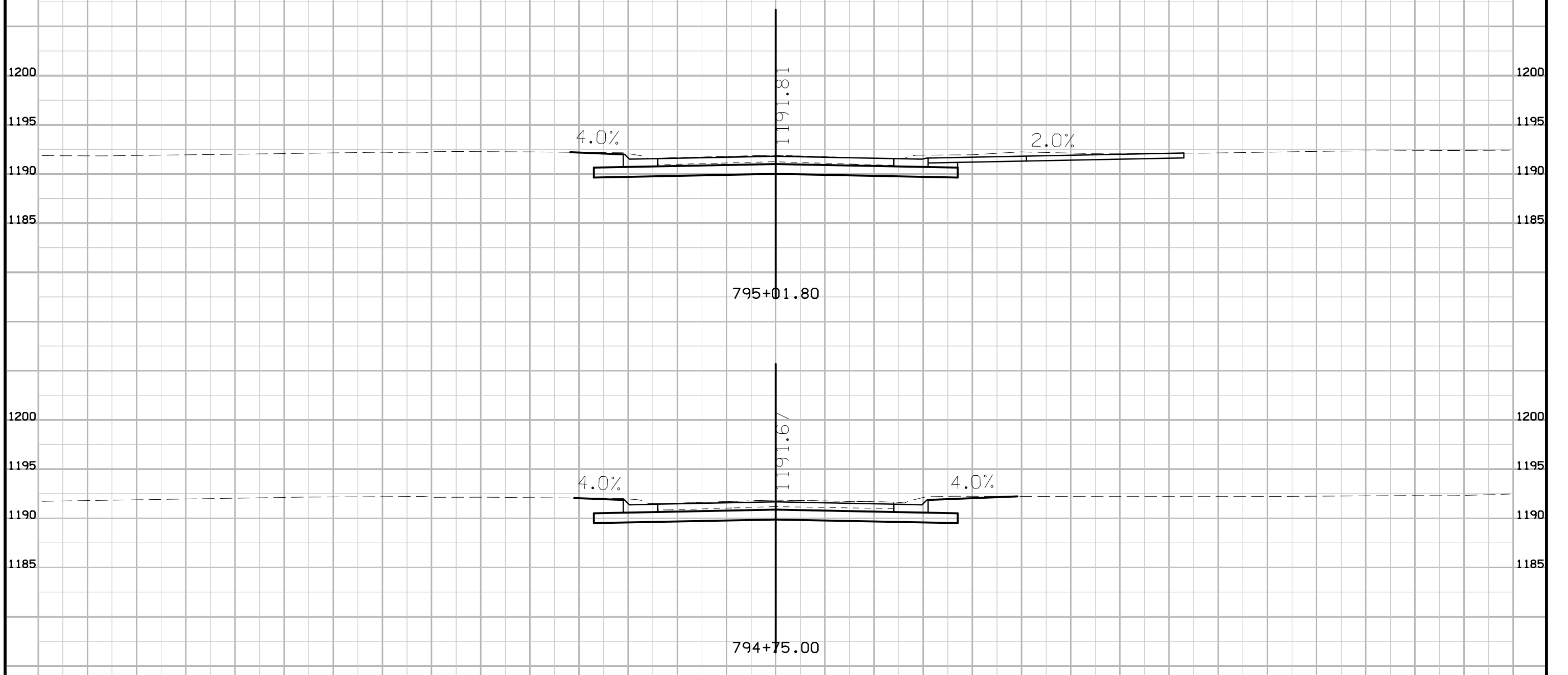
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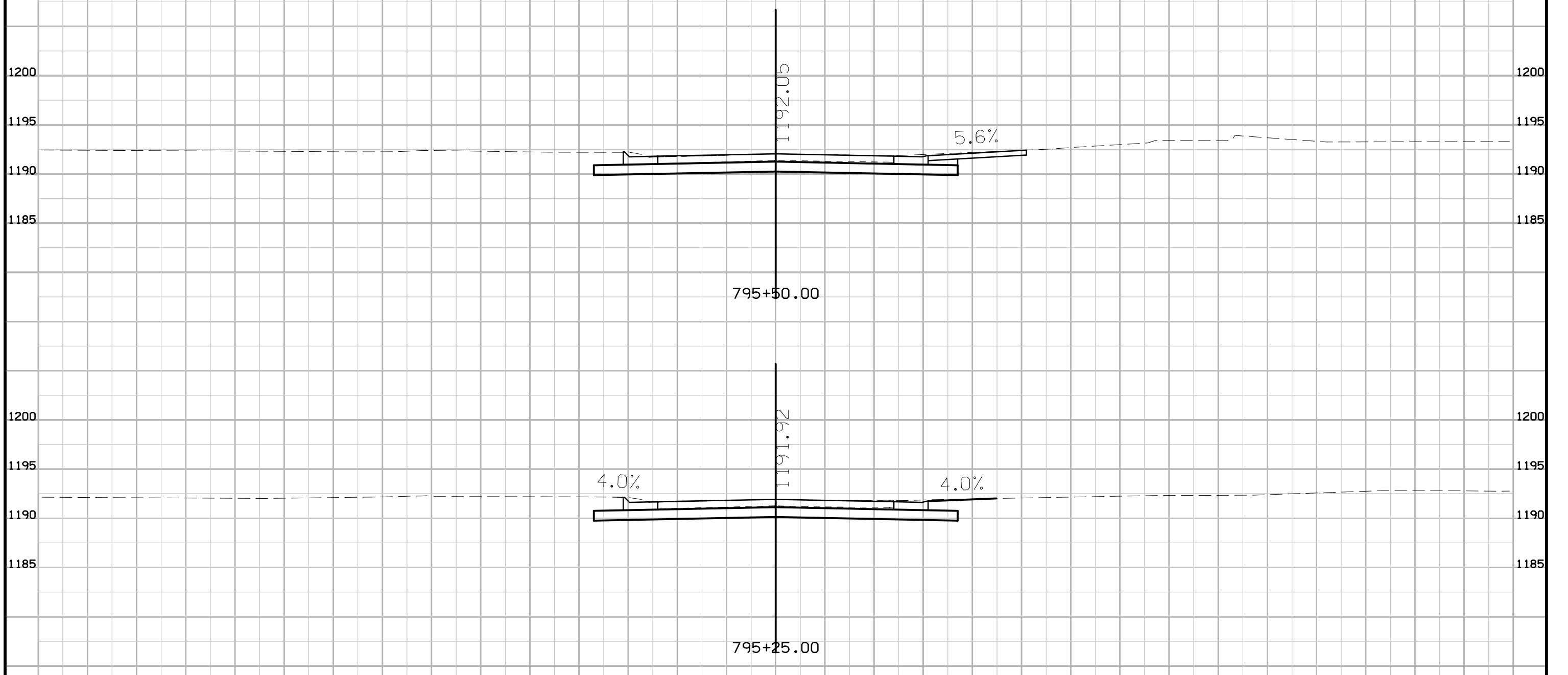
IA. 175 Preliminary



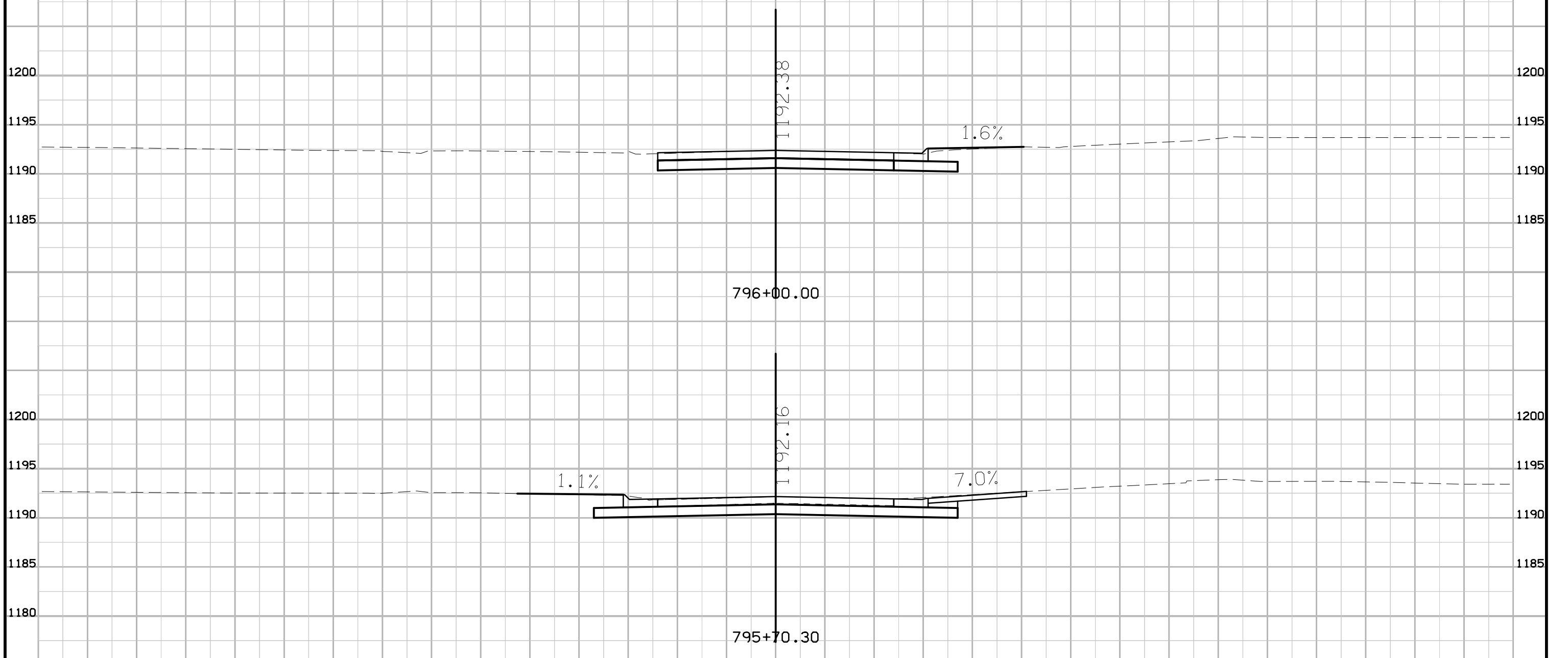
IA. 175 Preliminary



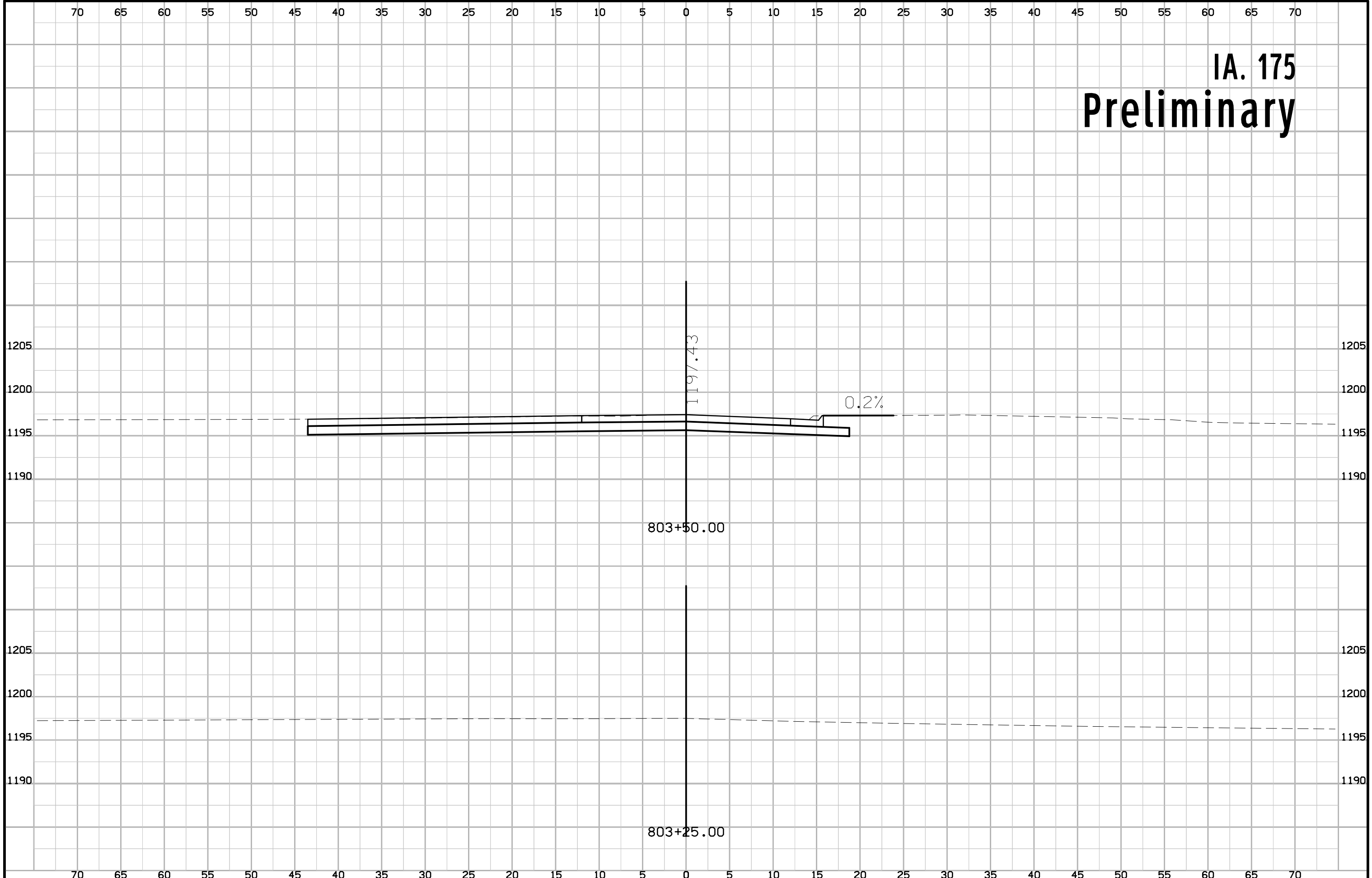
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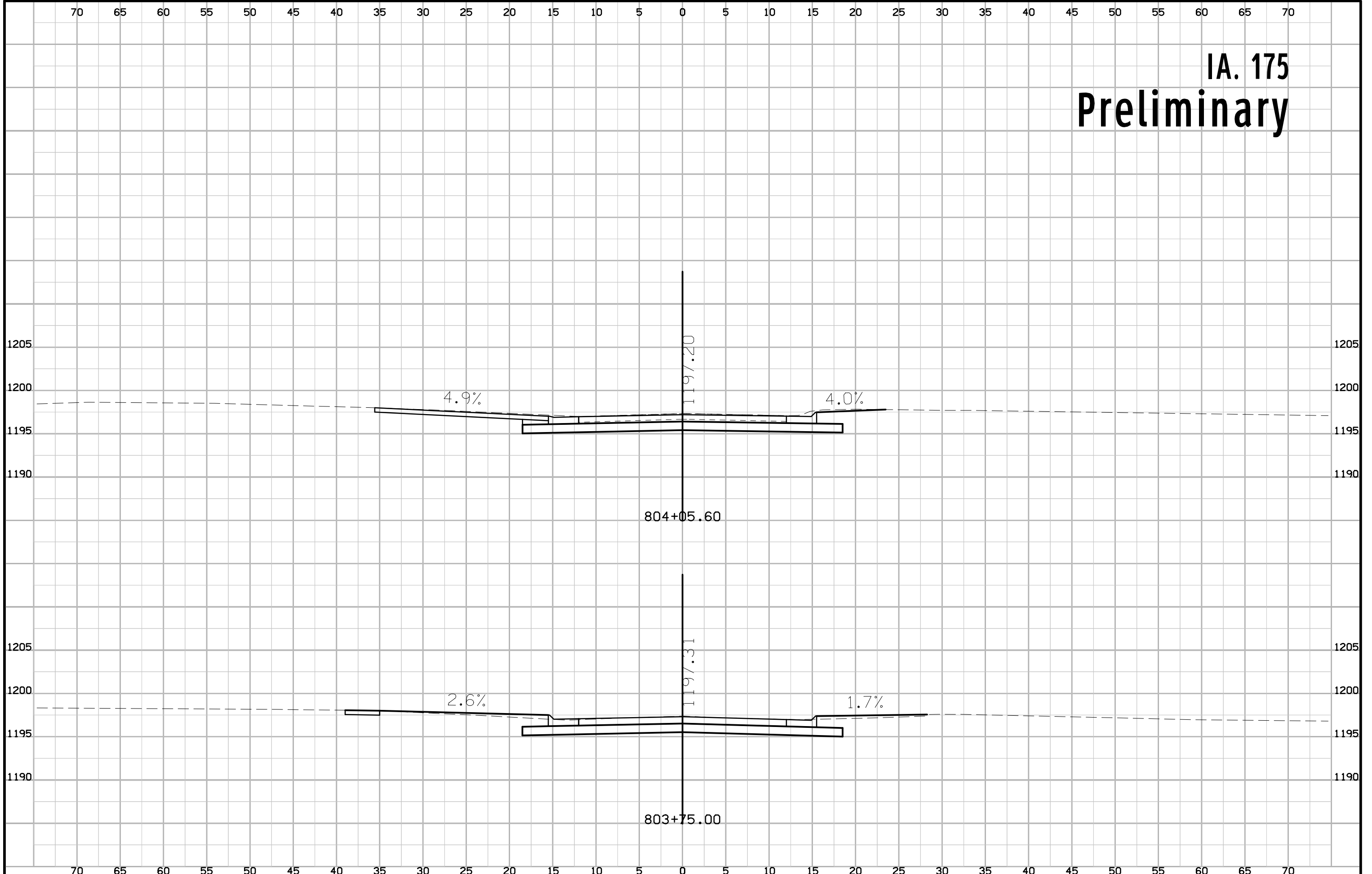
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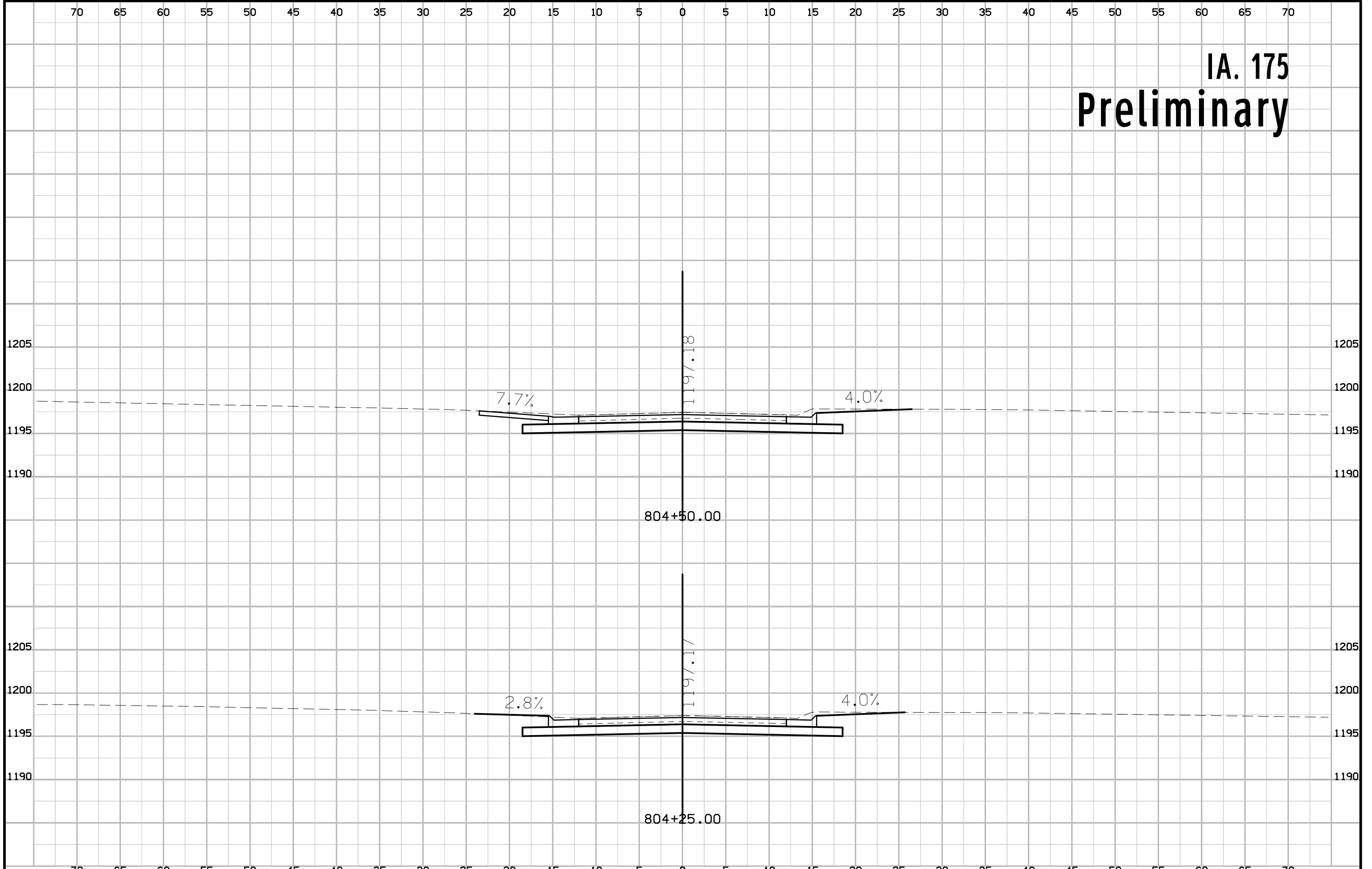
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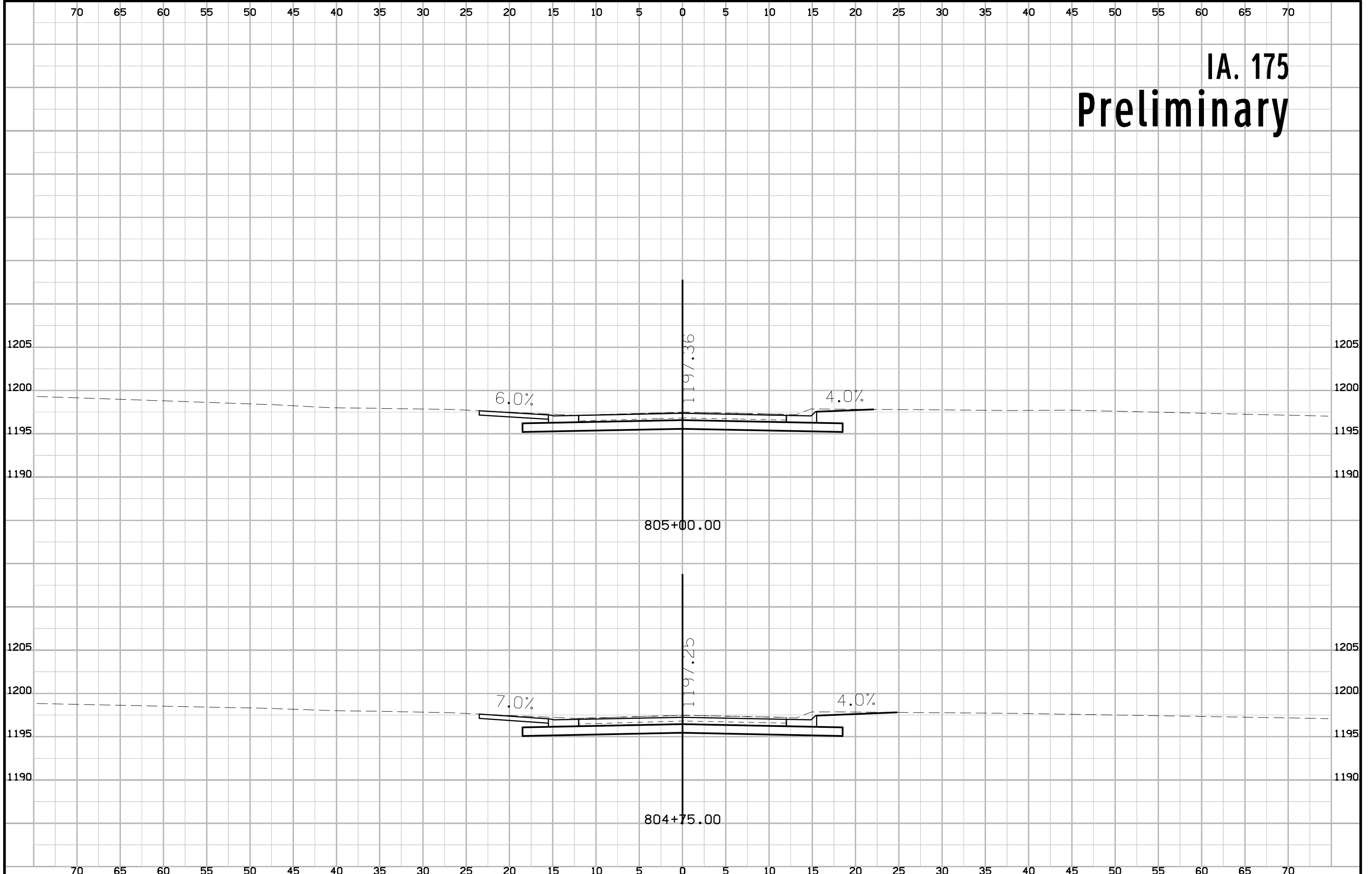
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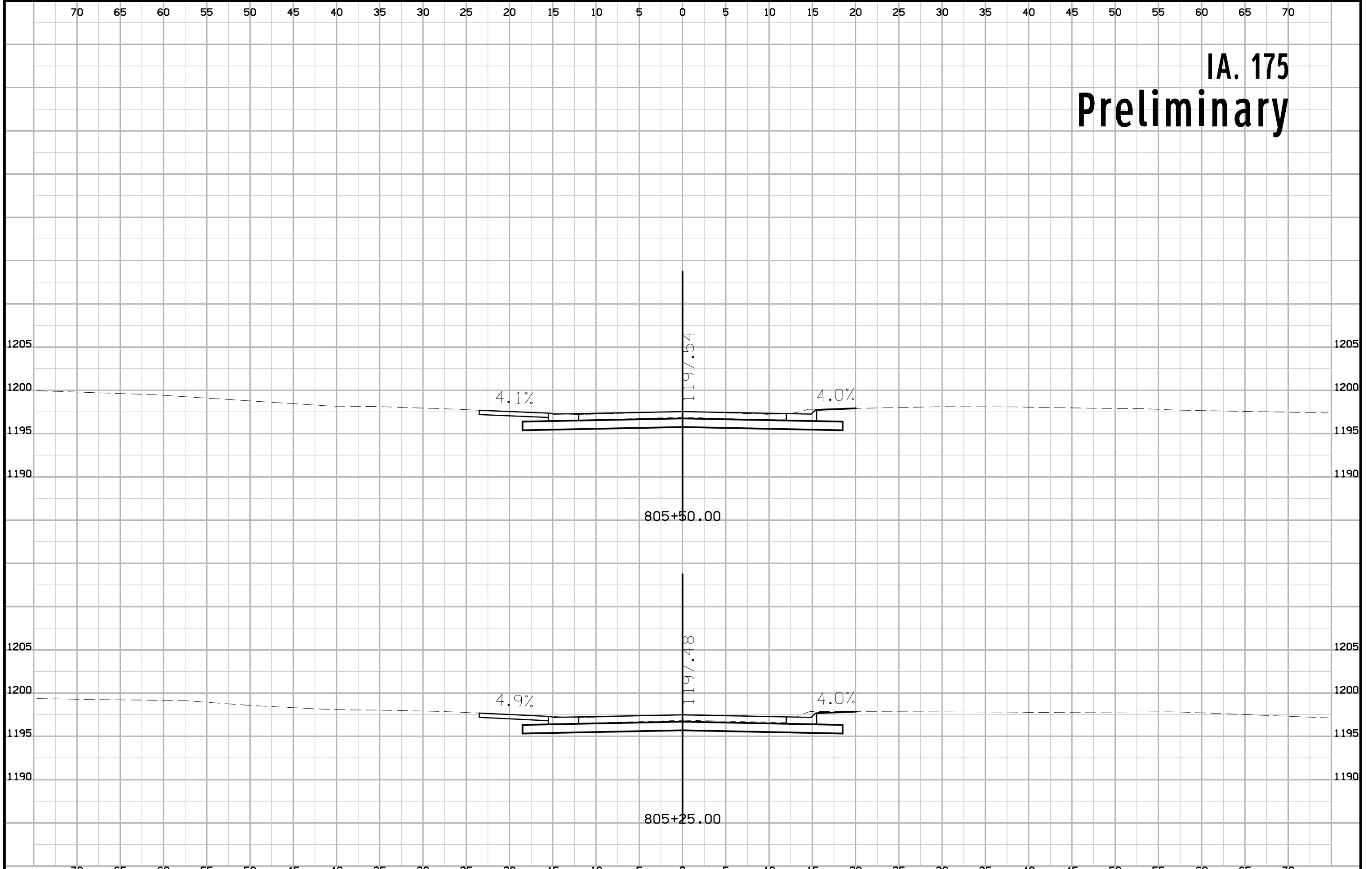
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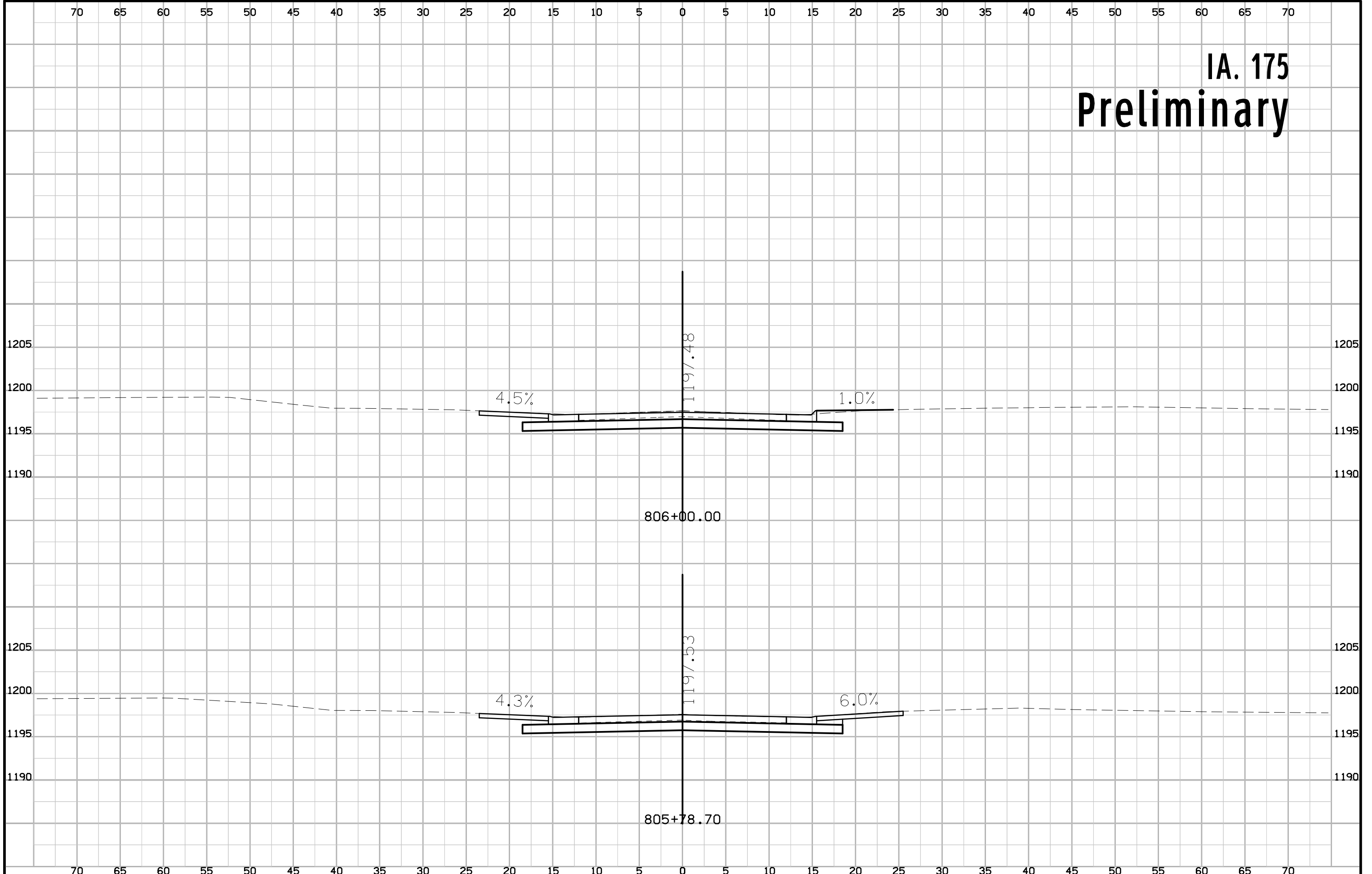
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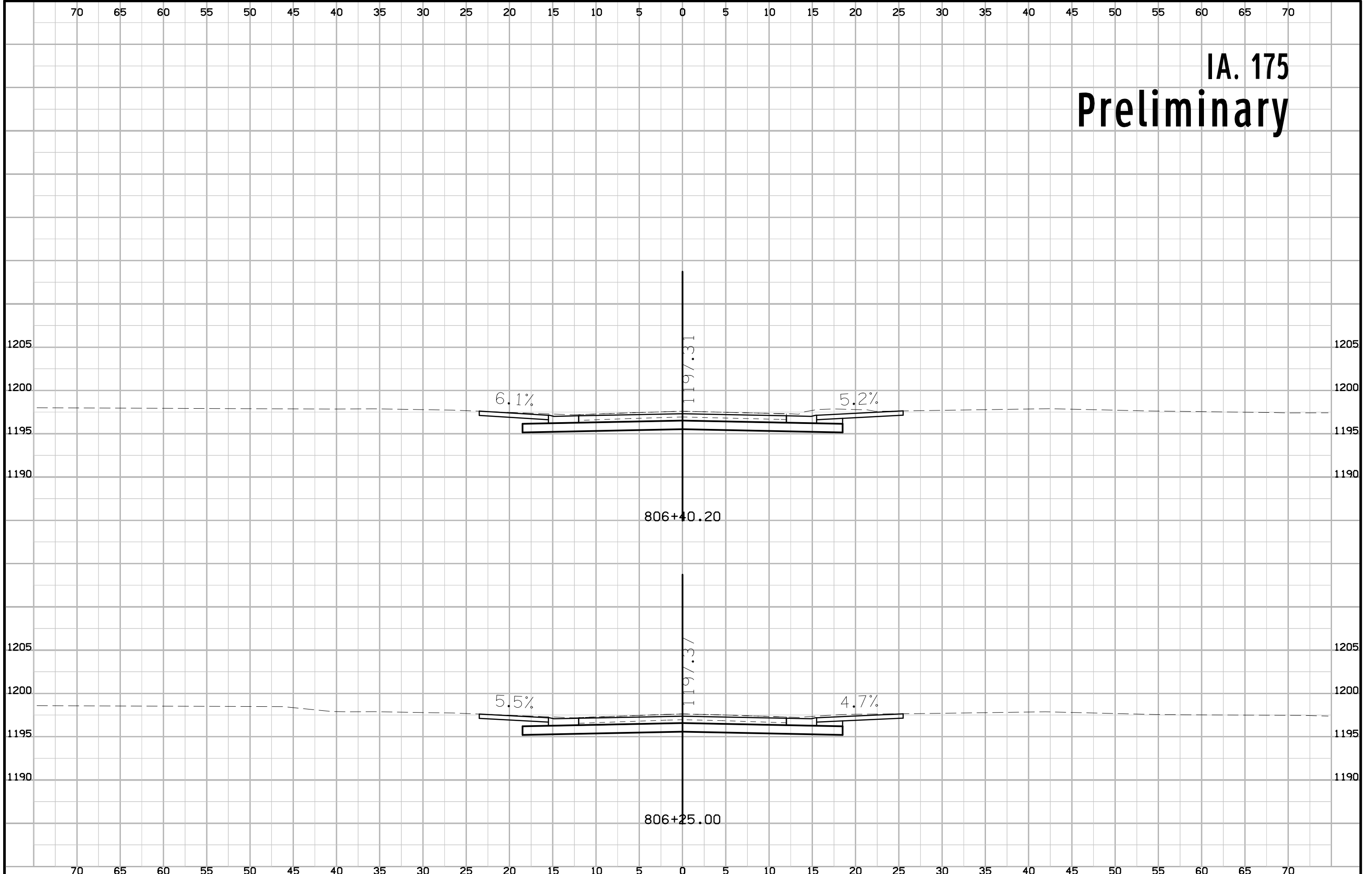
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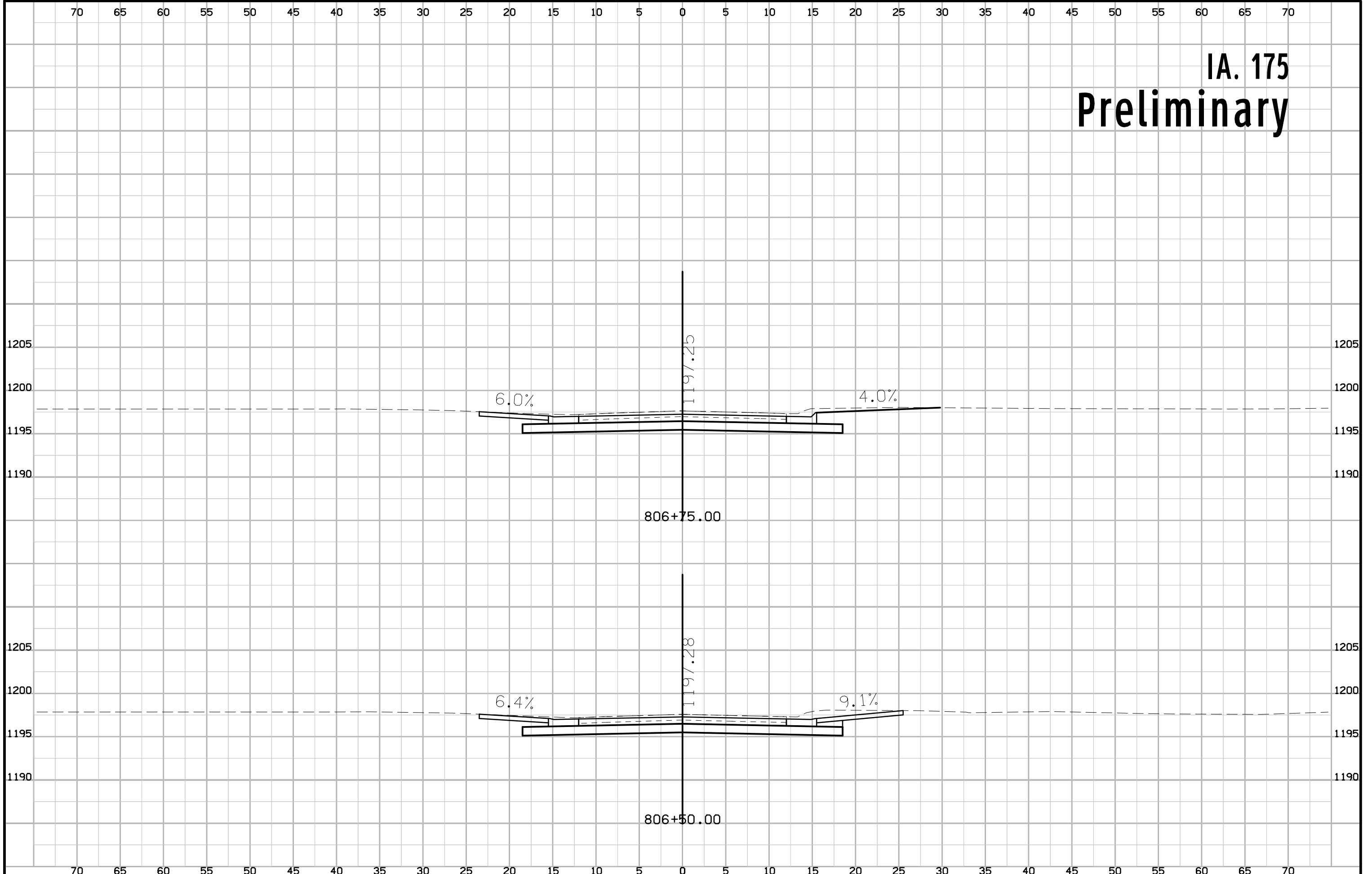
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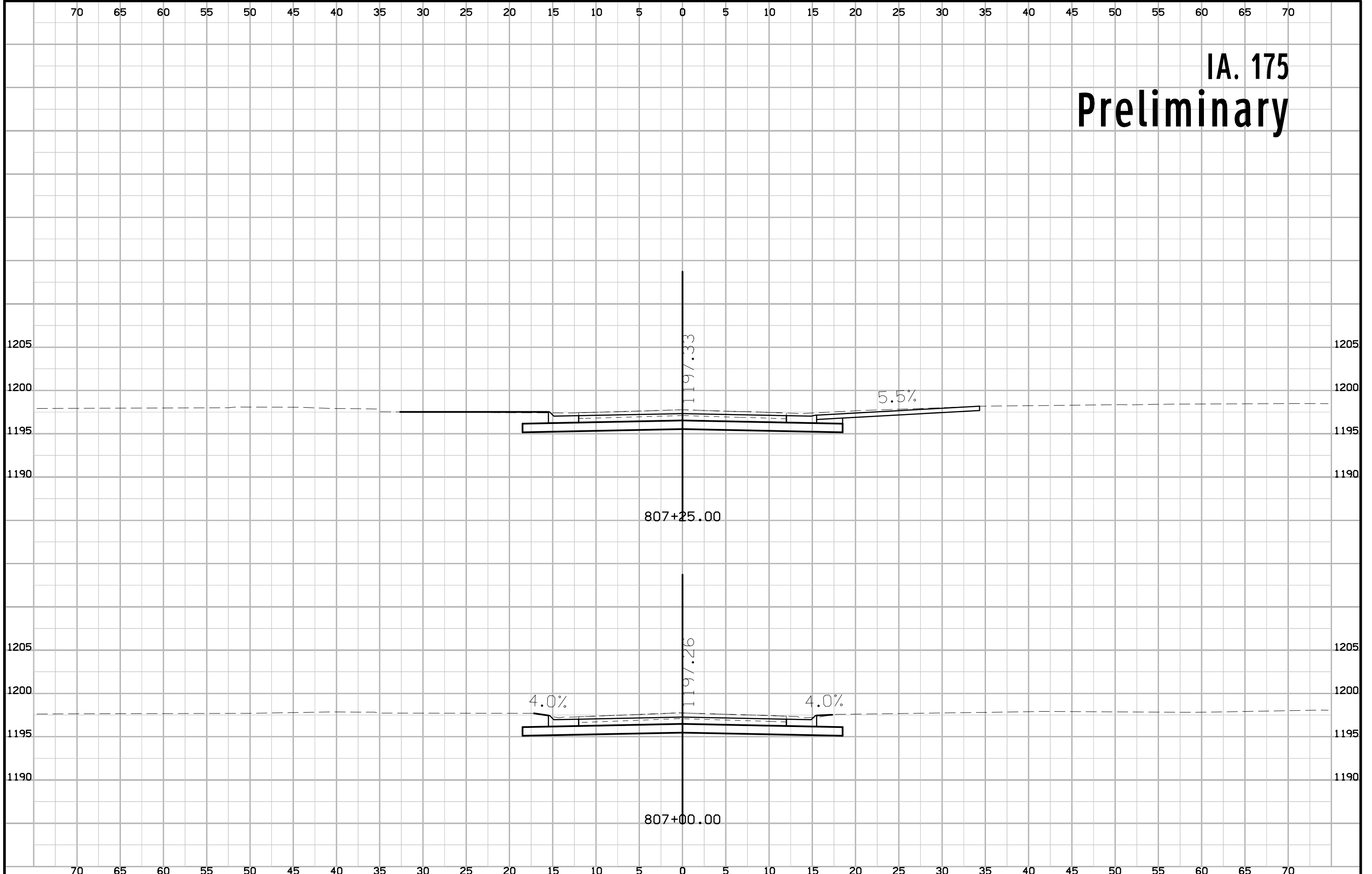
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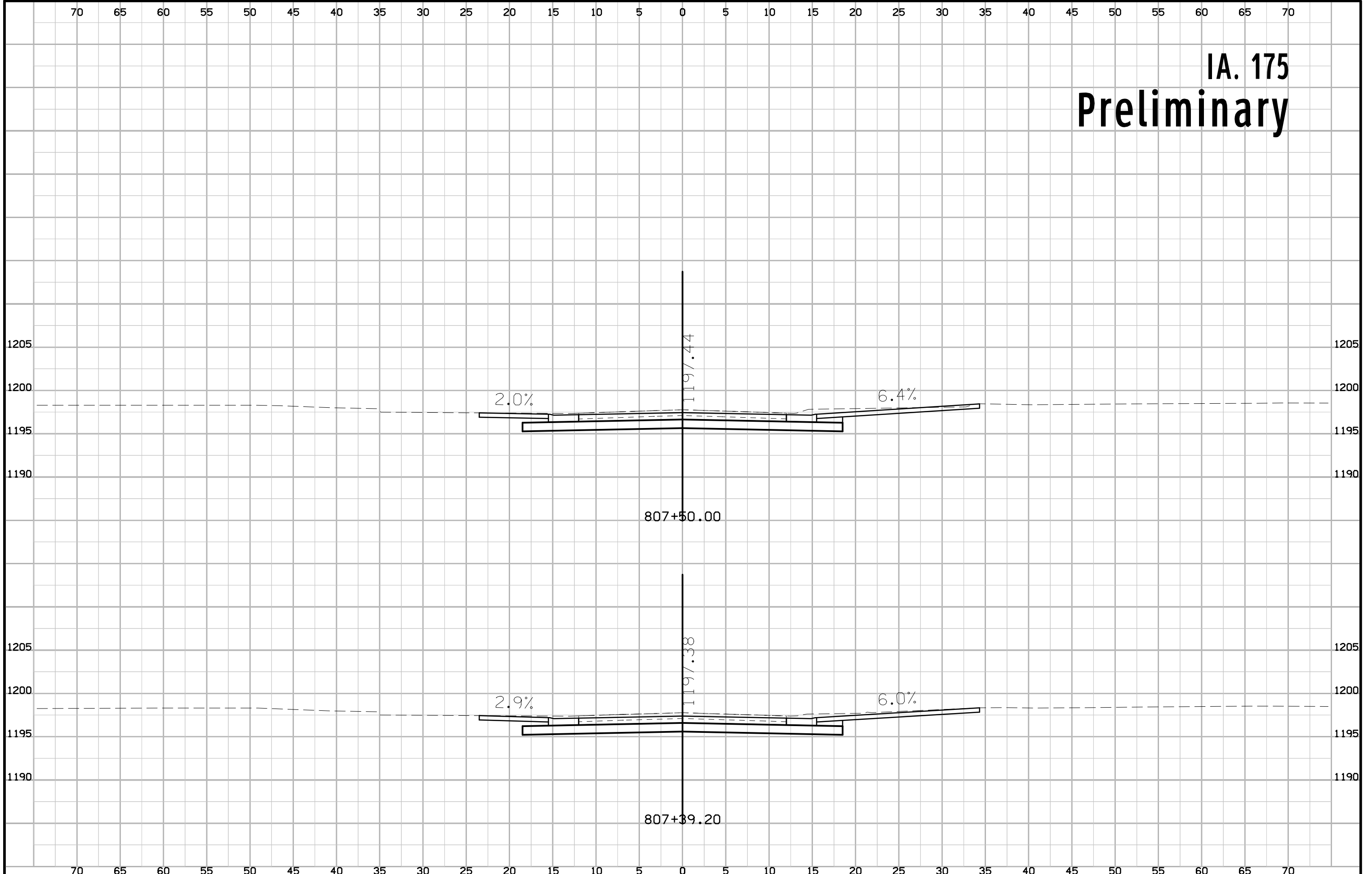
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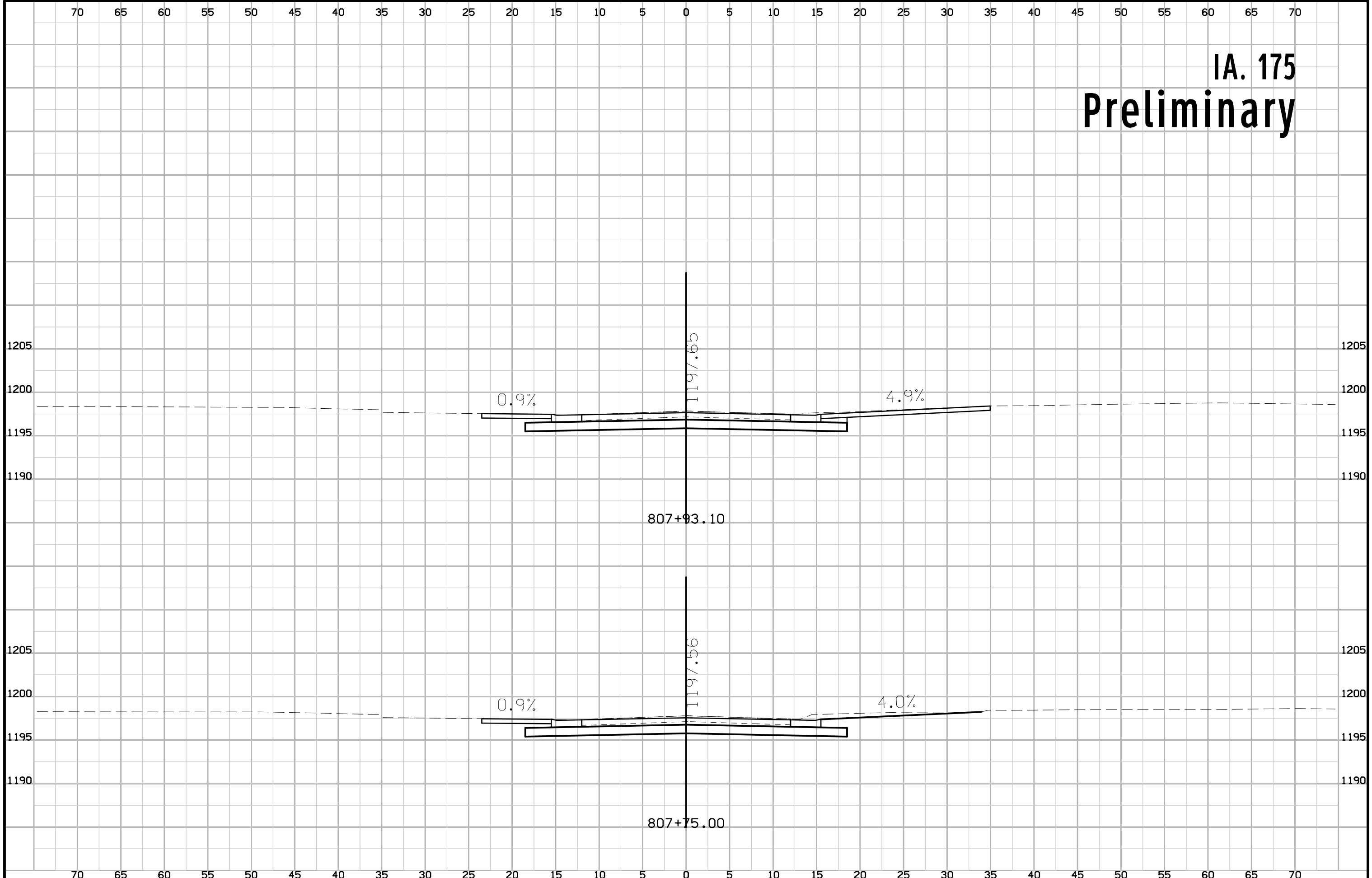
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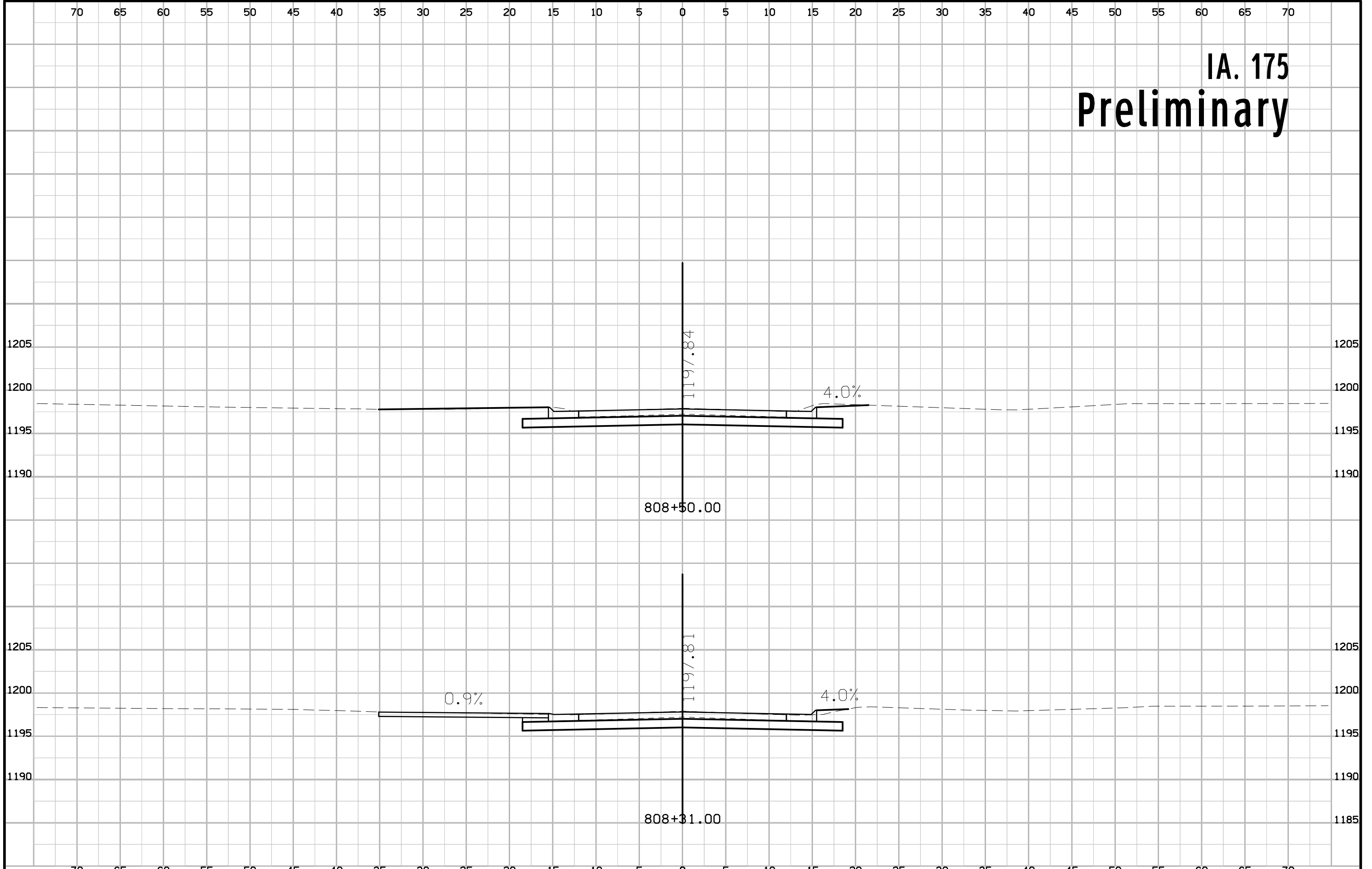
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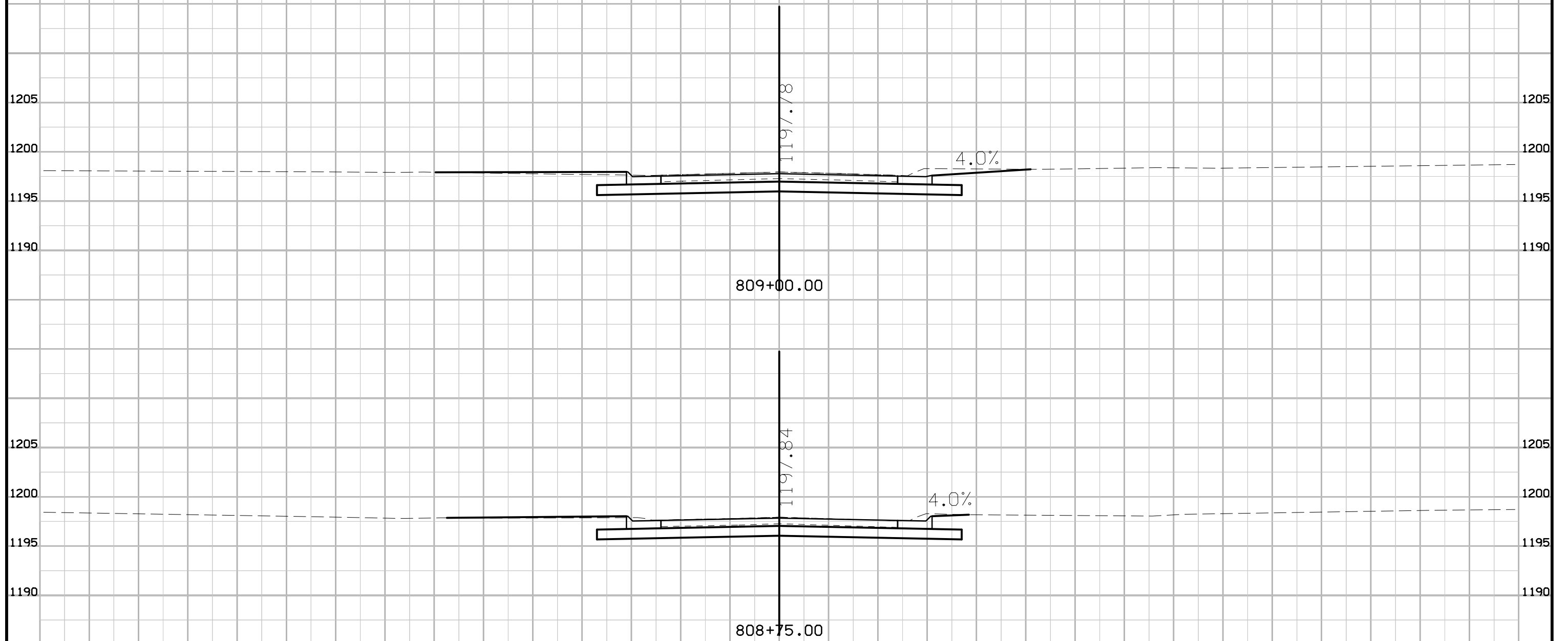
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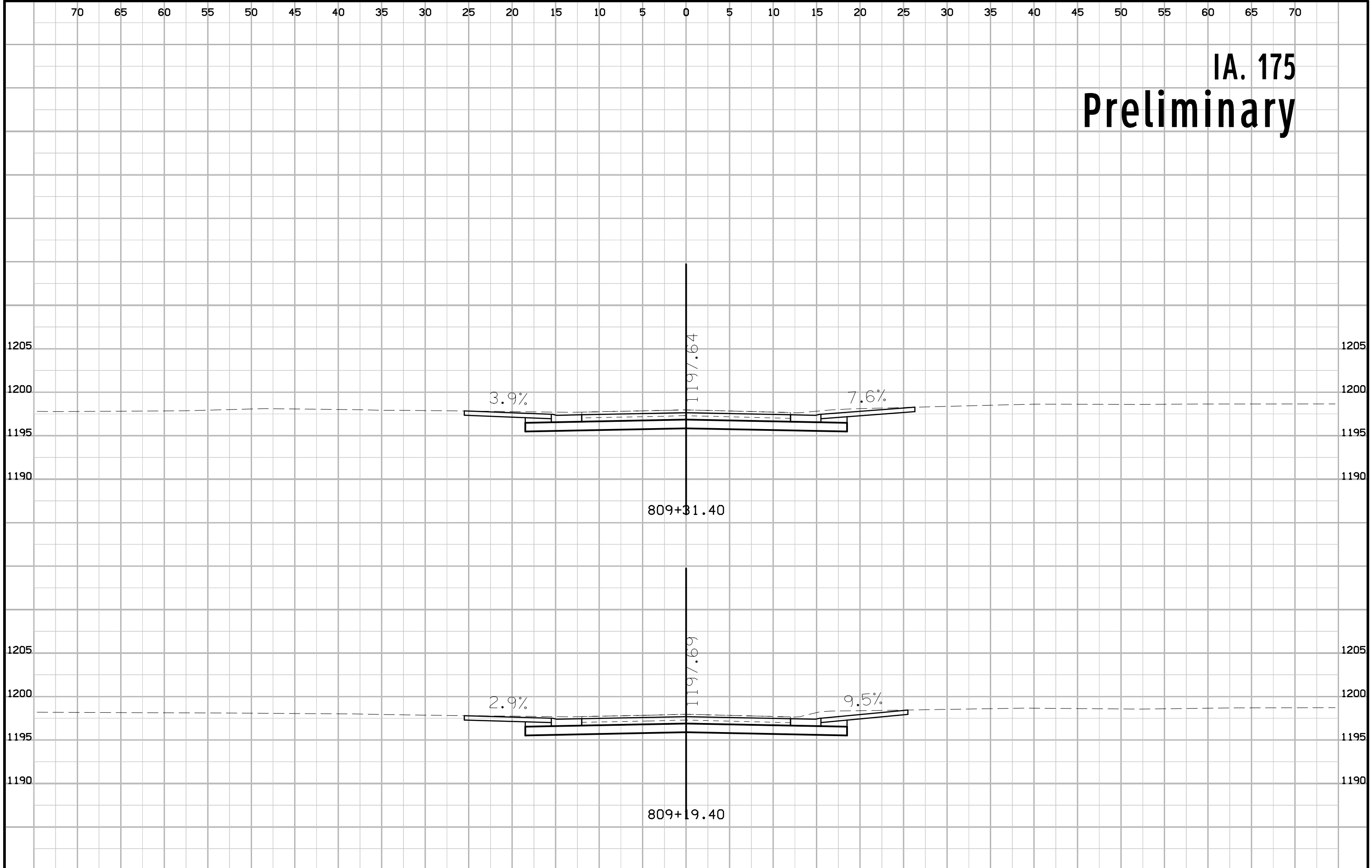
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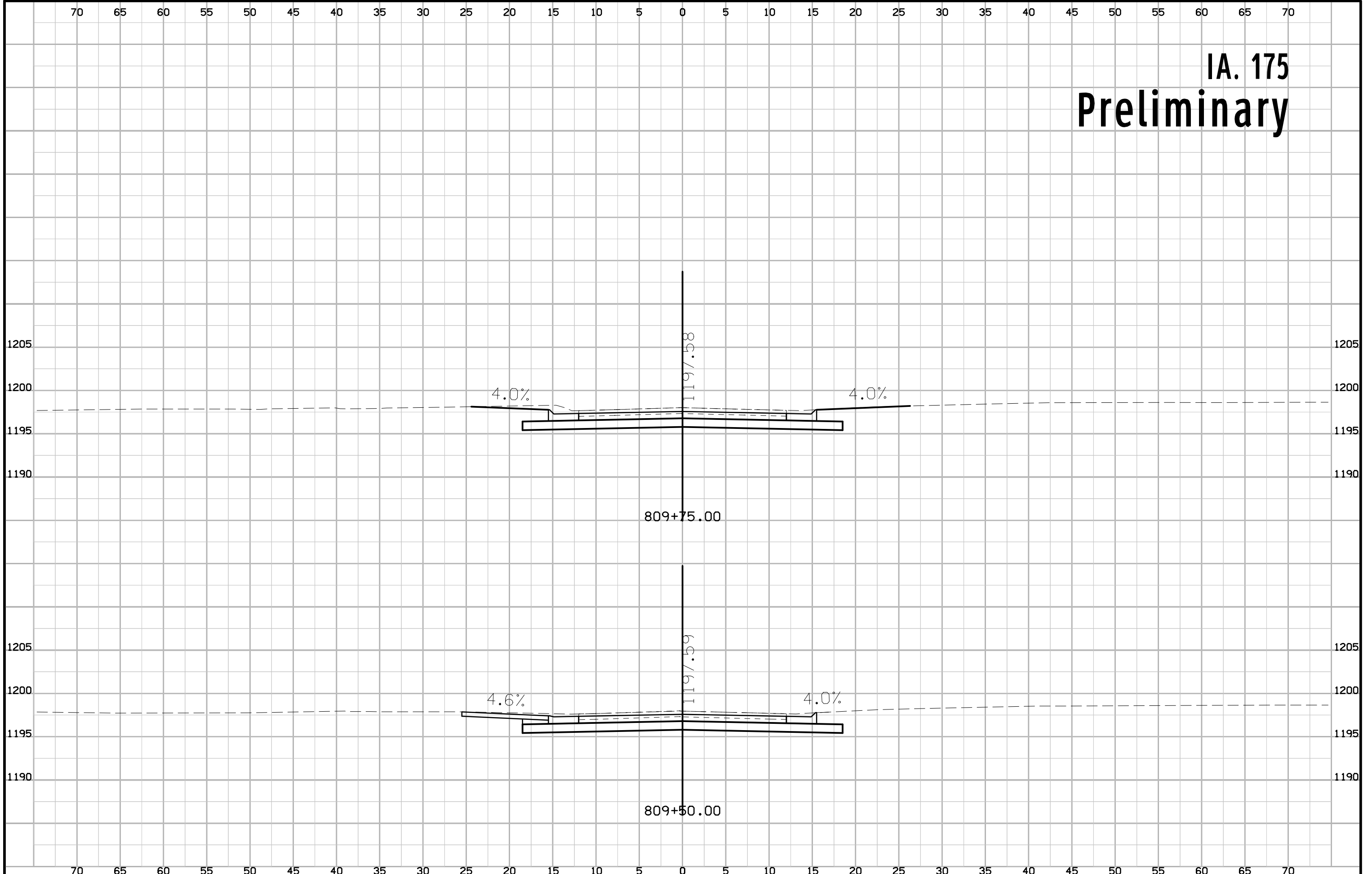
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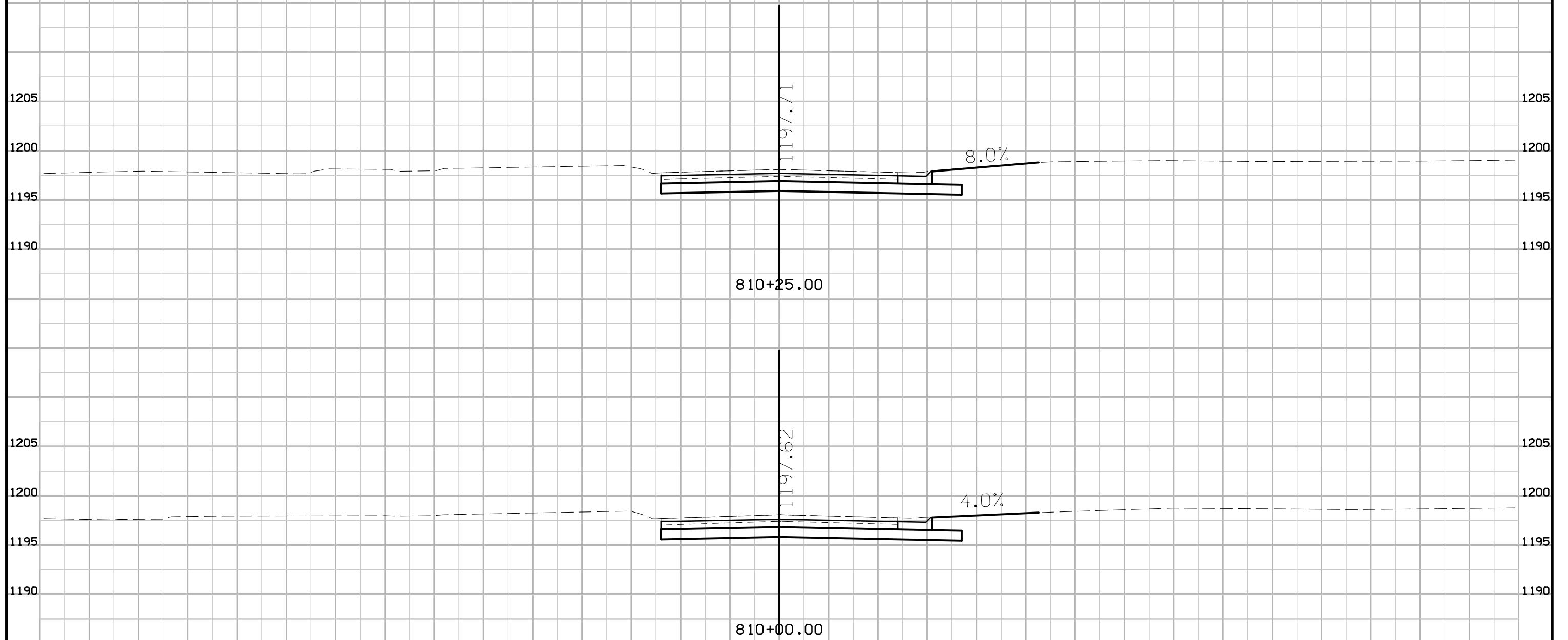
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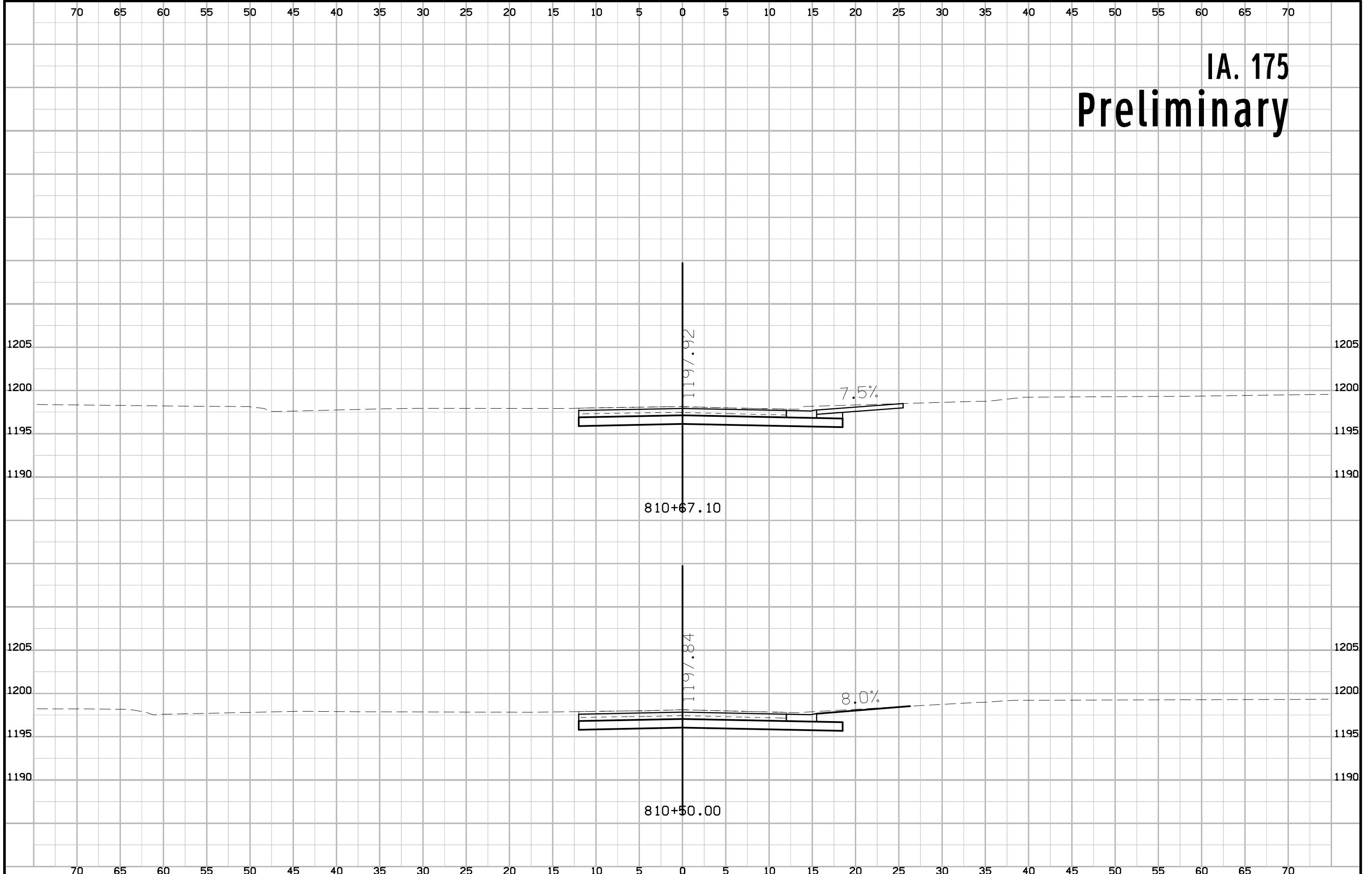
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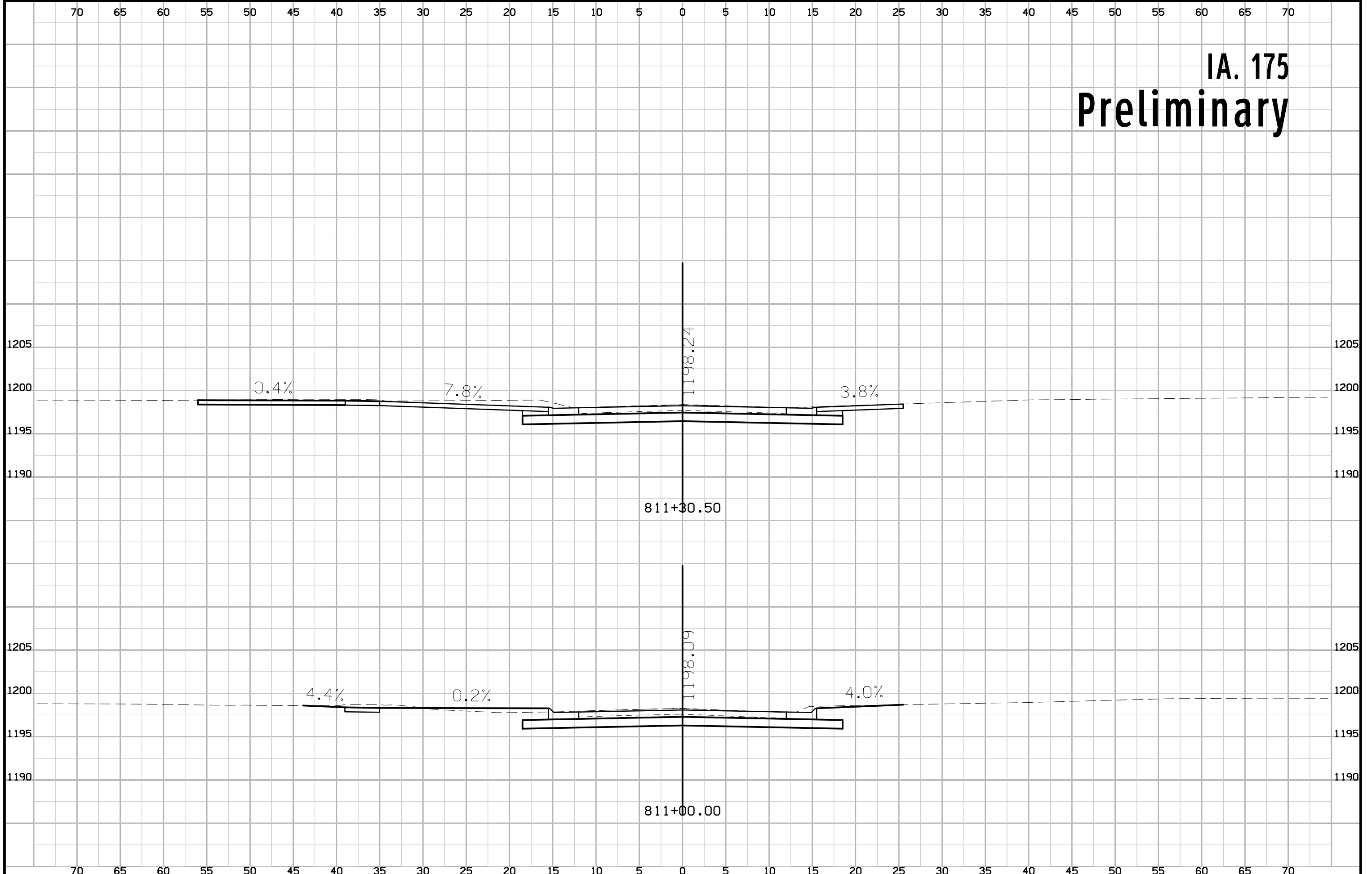
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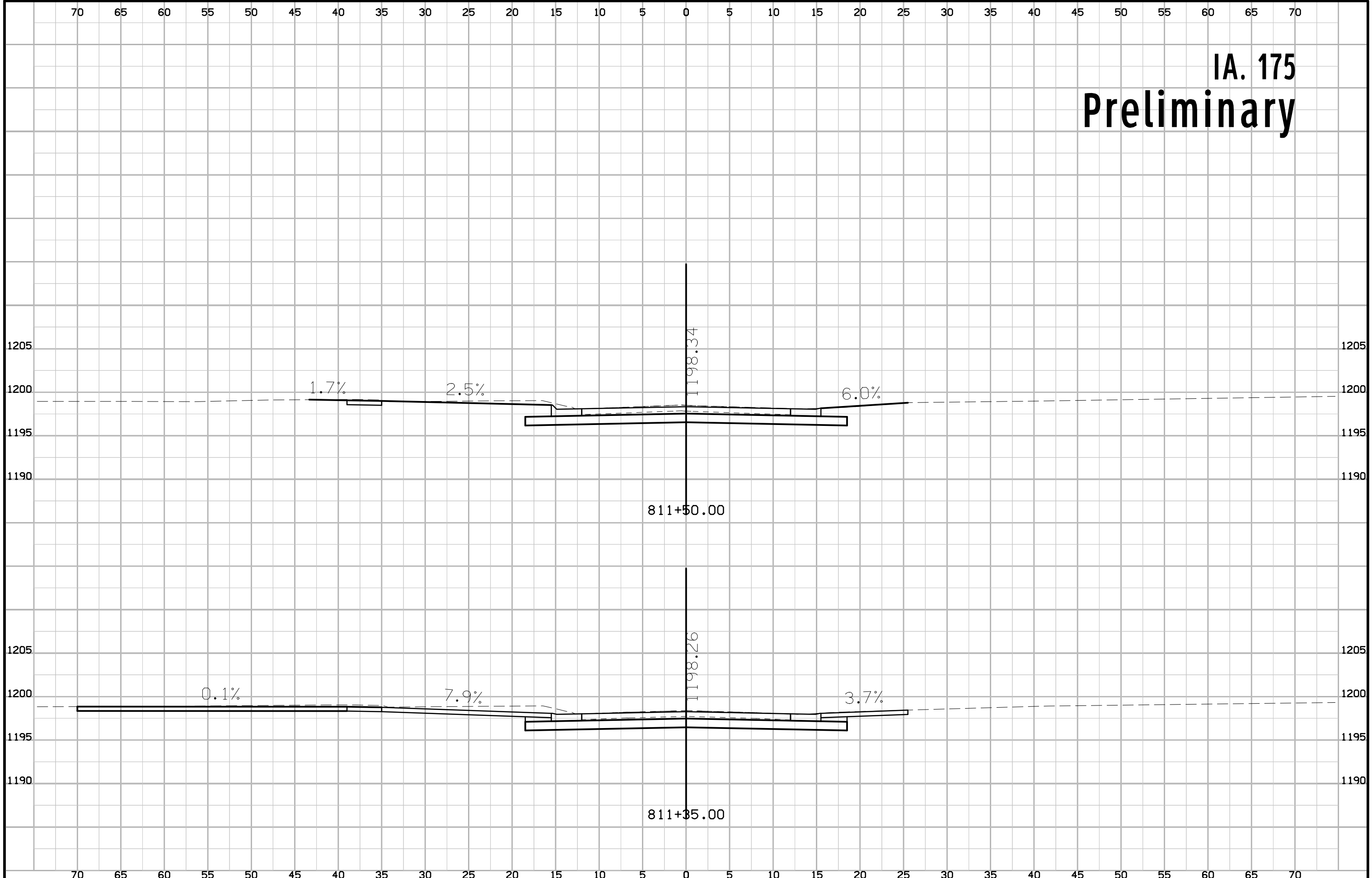
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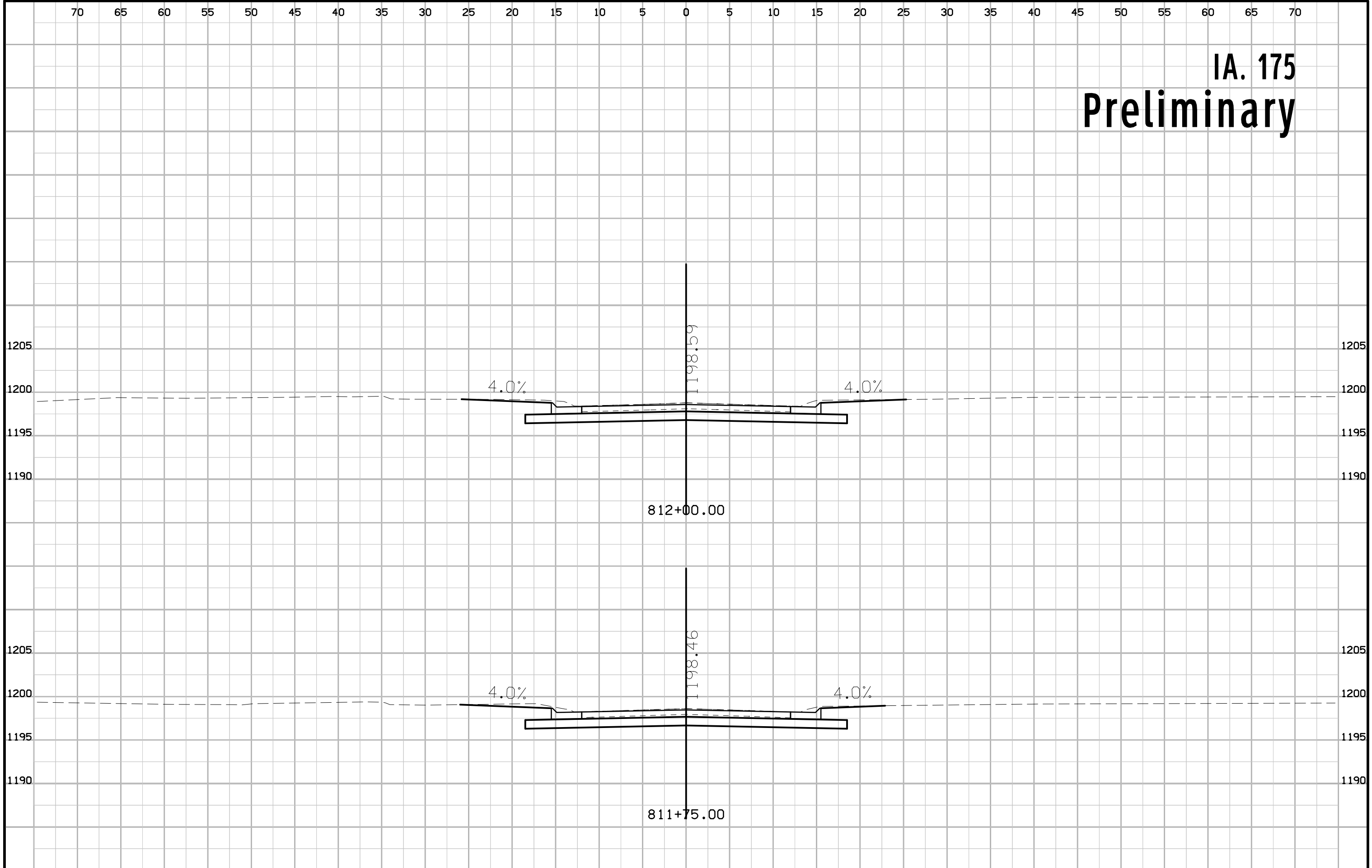
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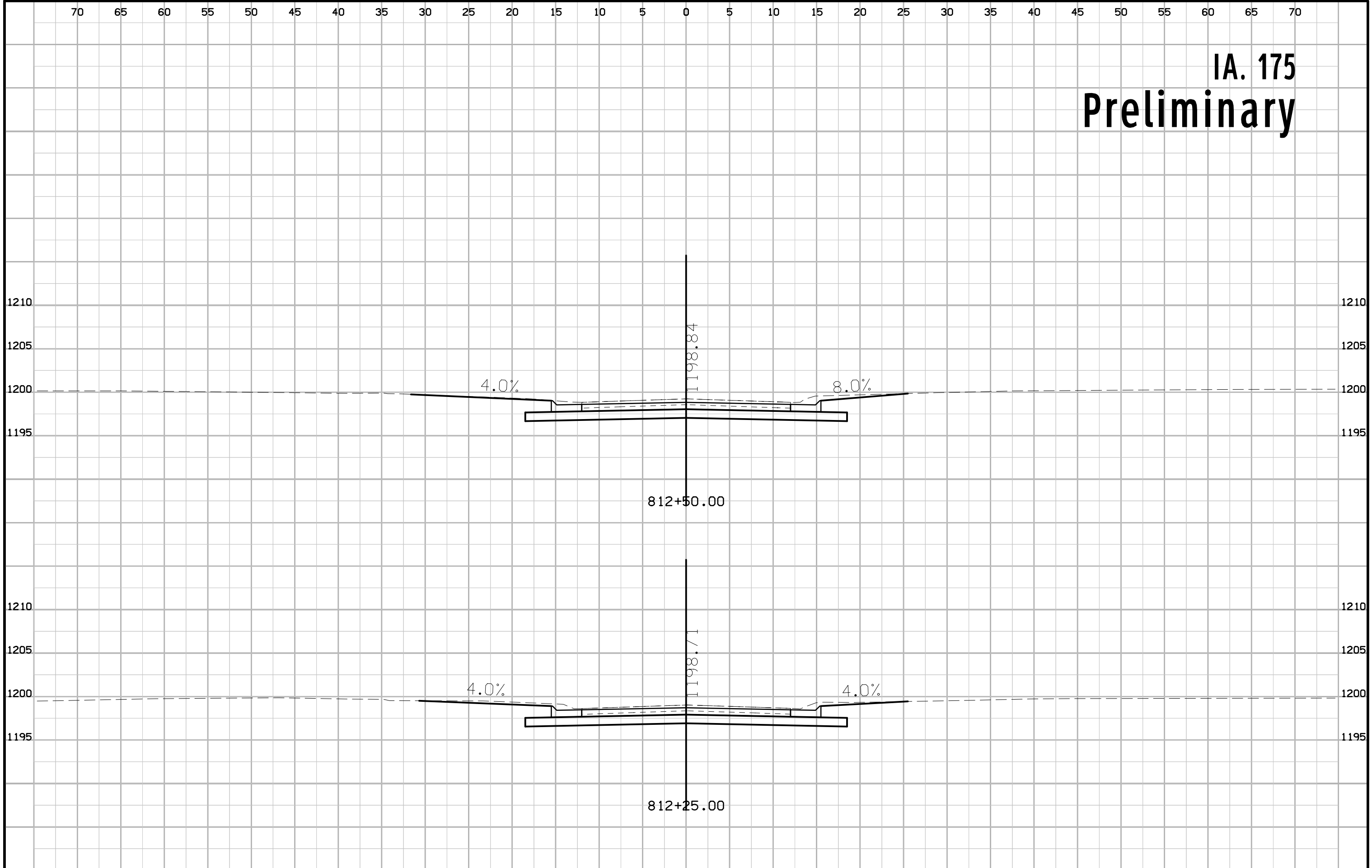
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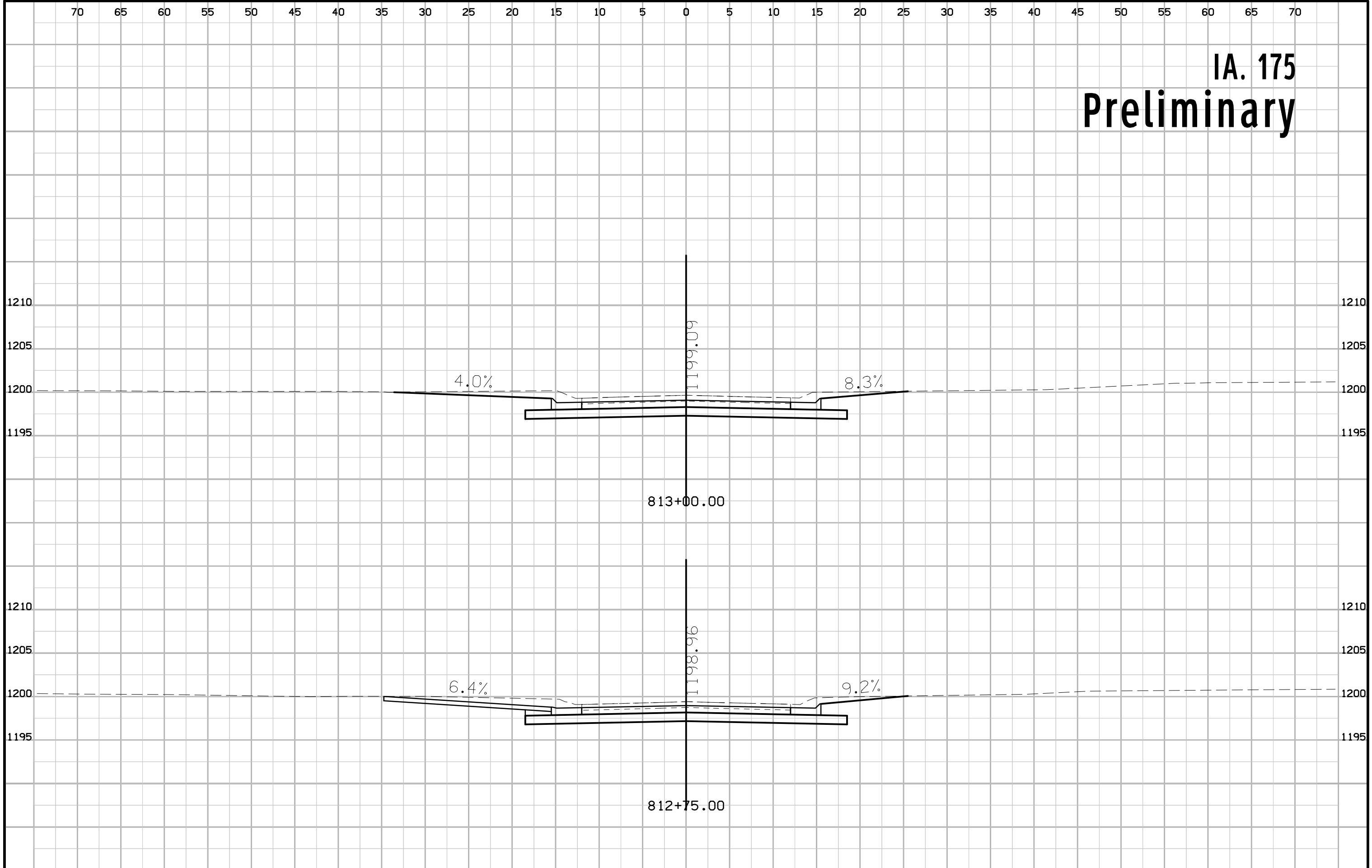
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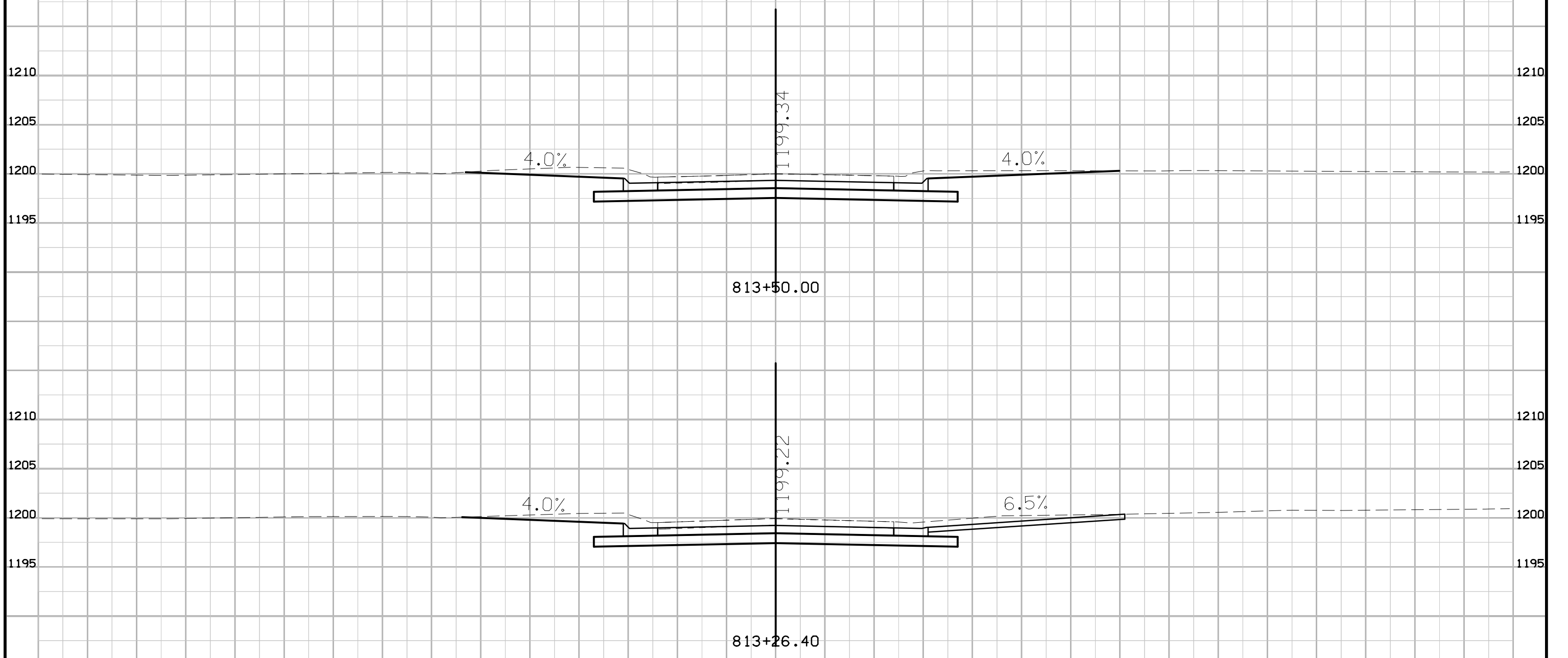
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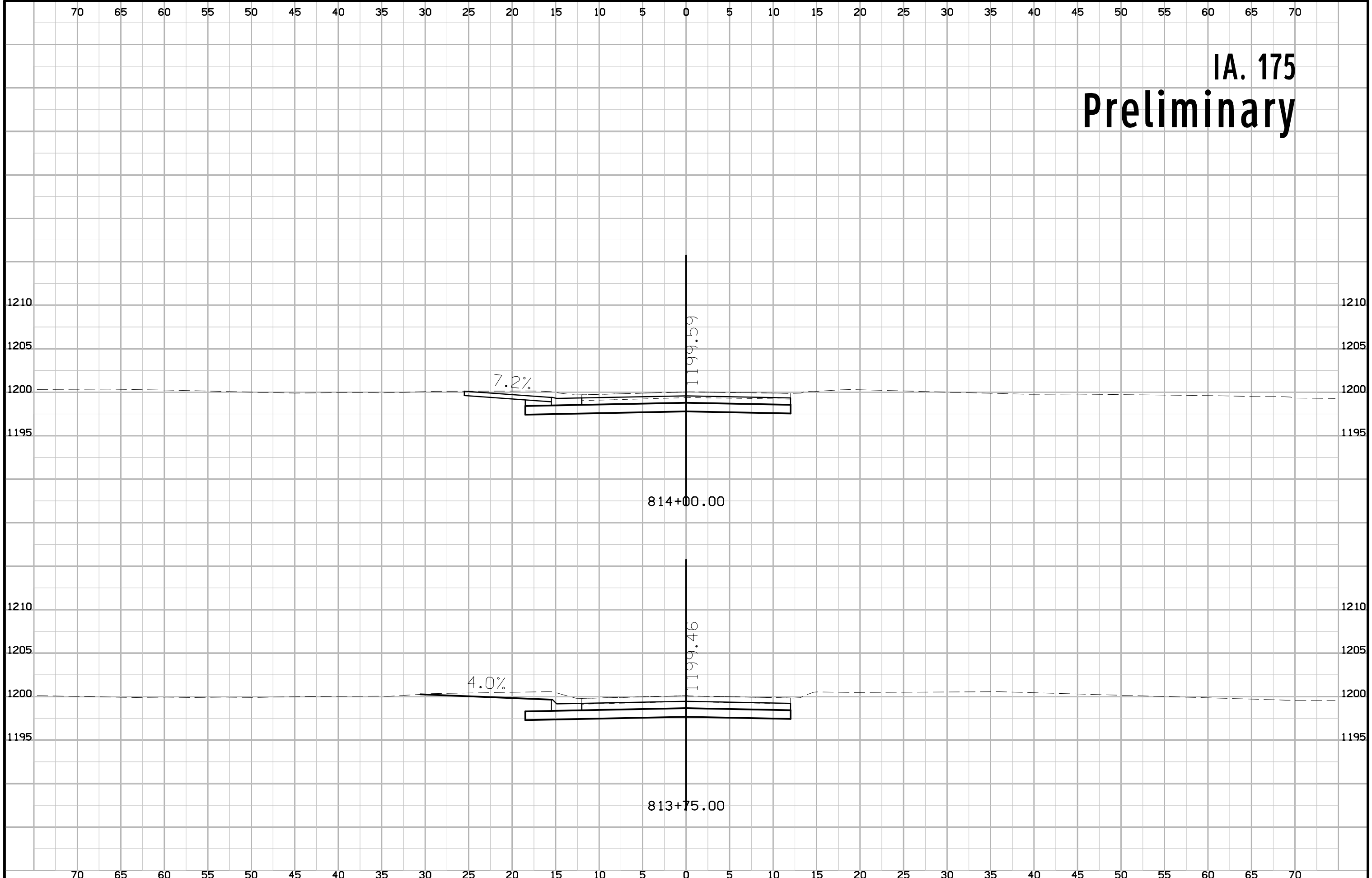
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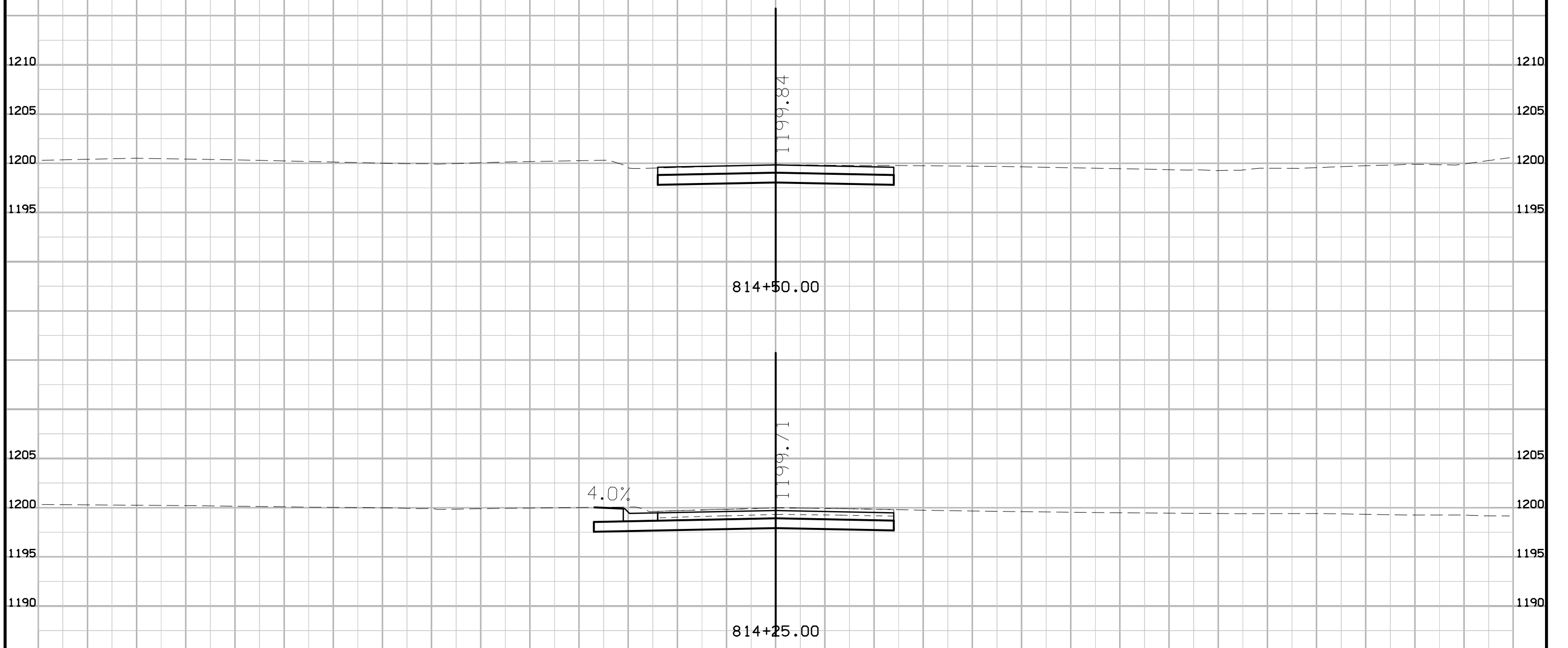
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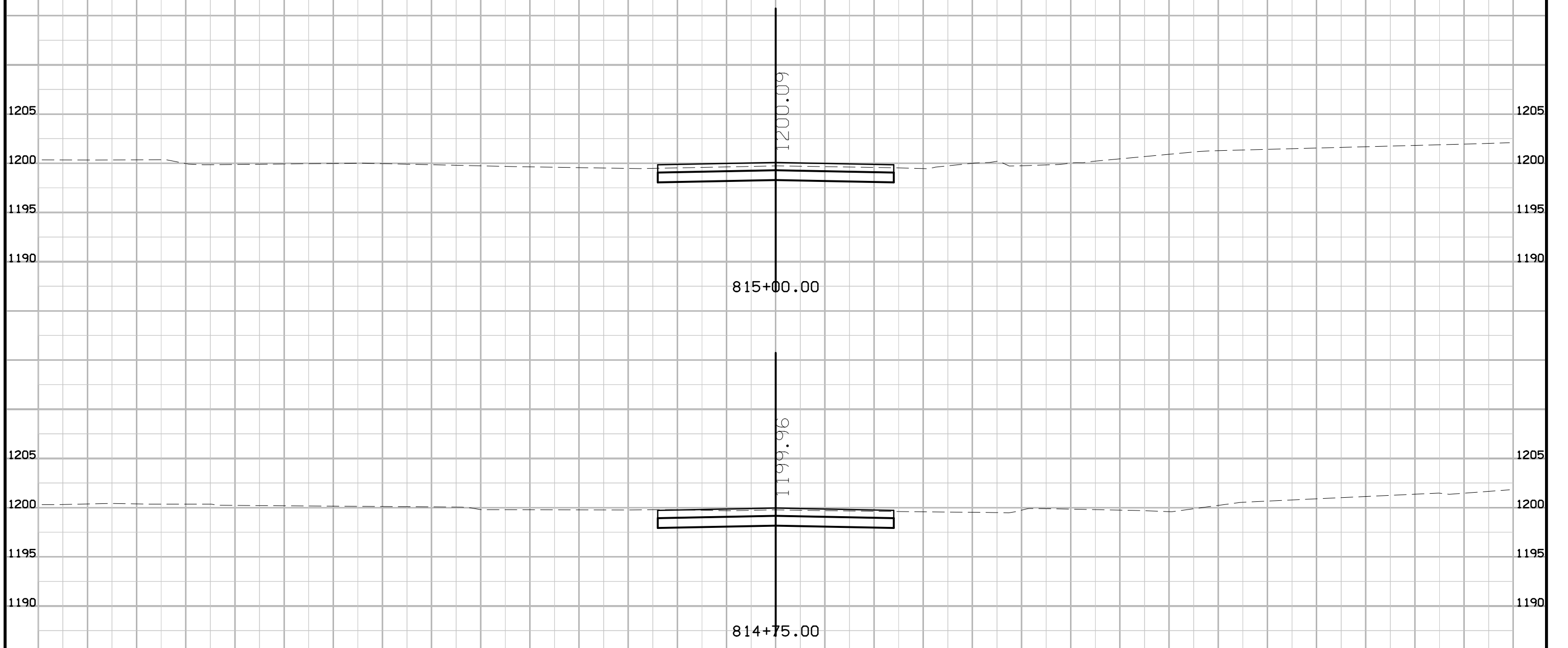
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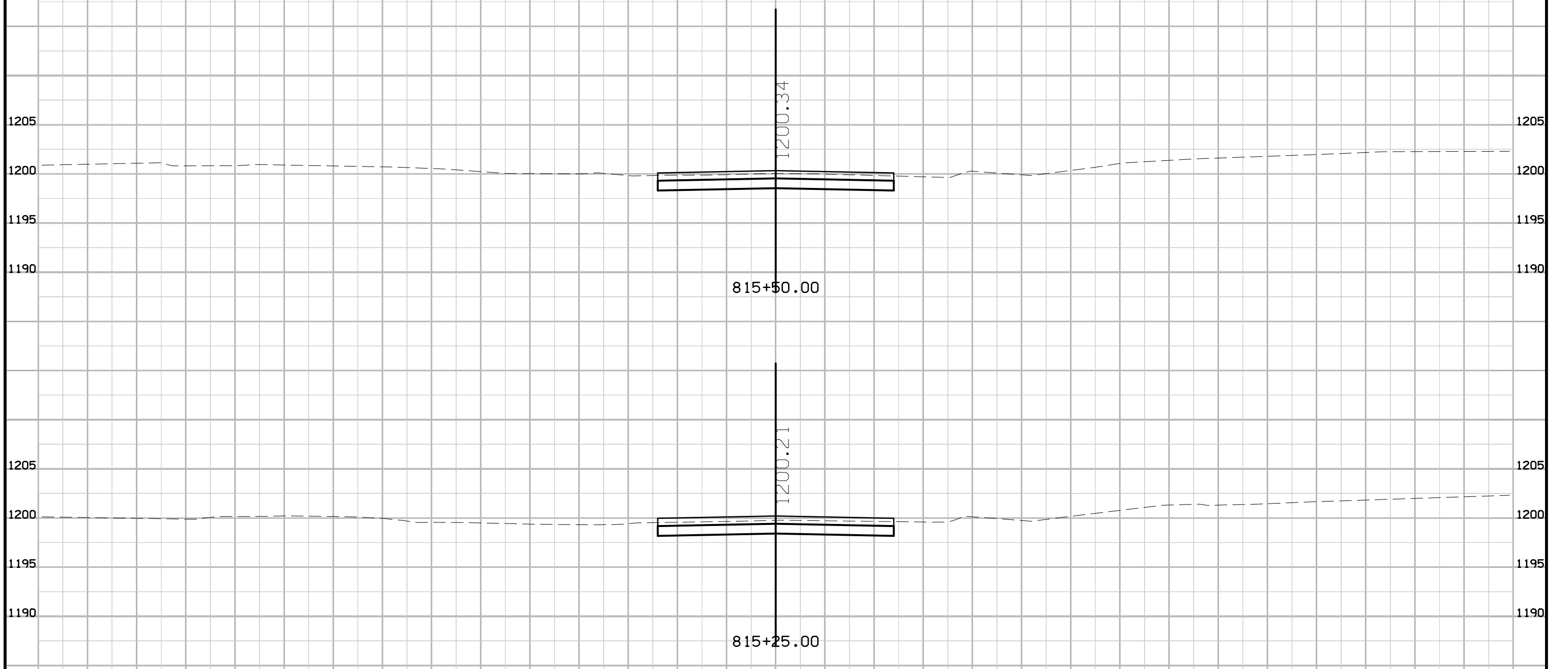
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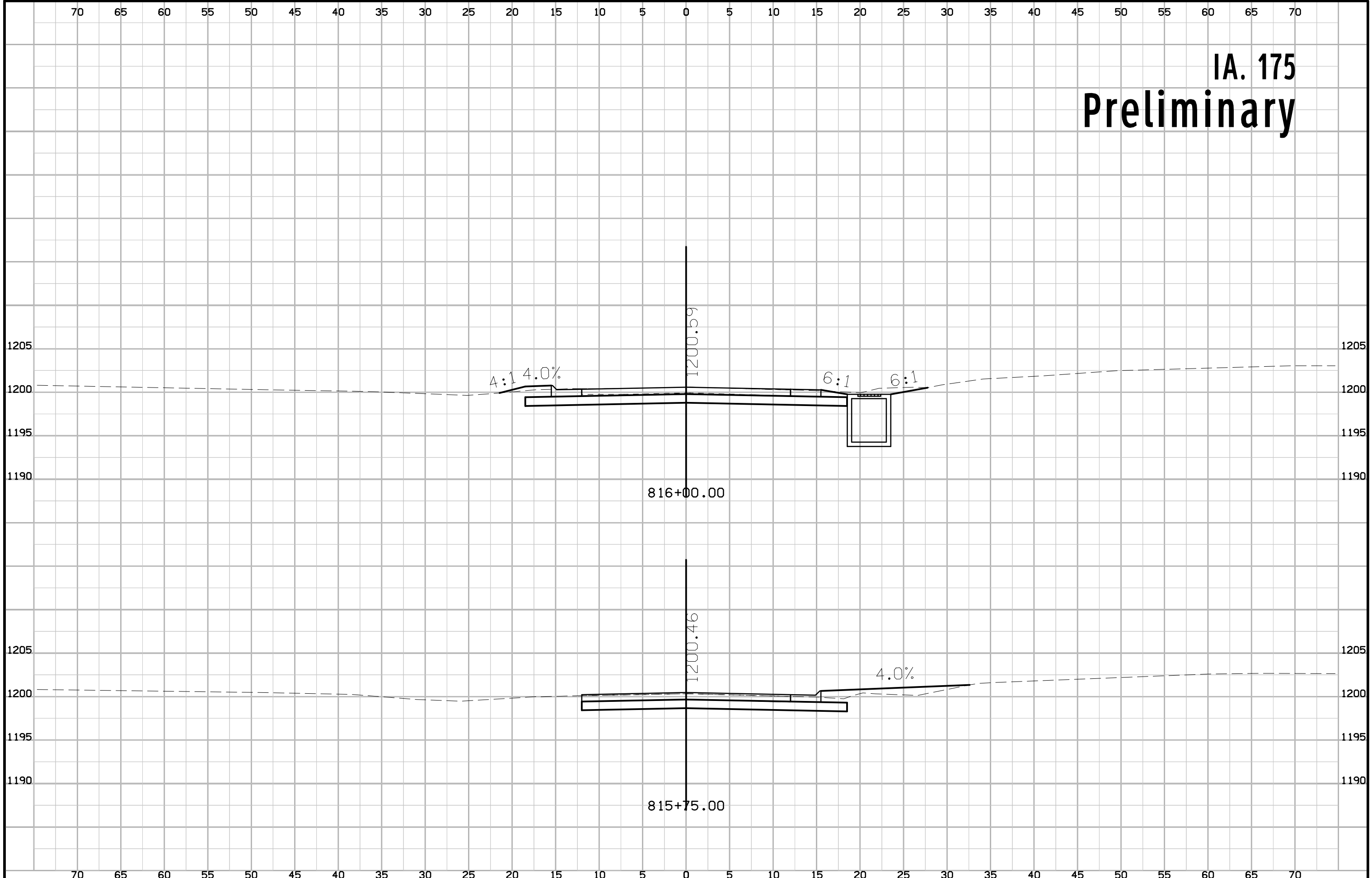
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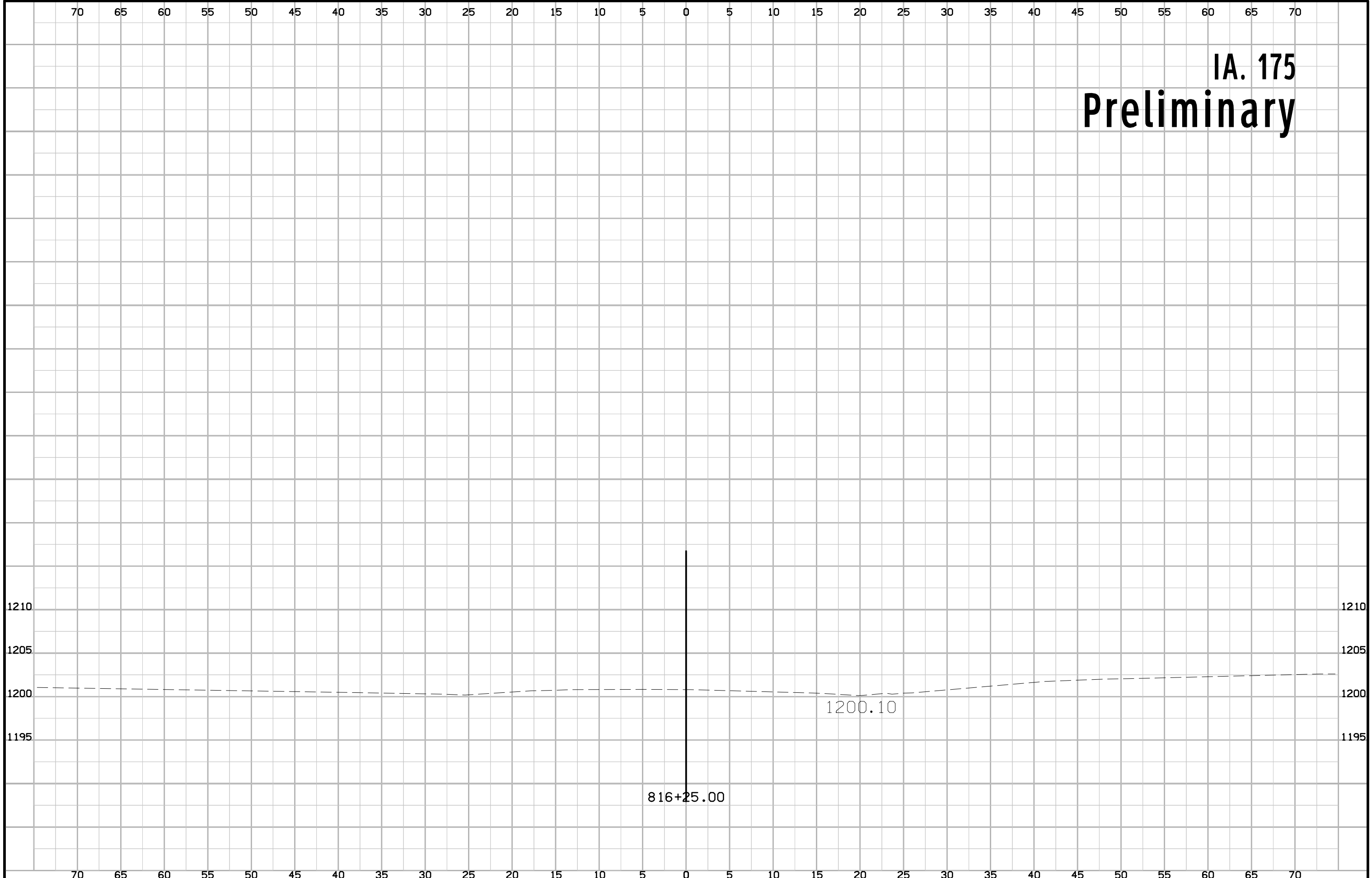
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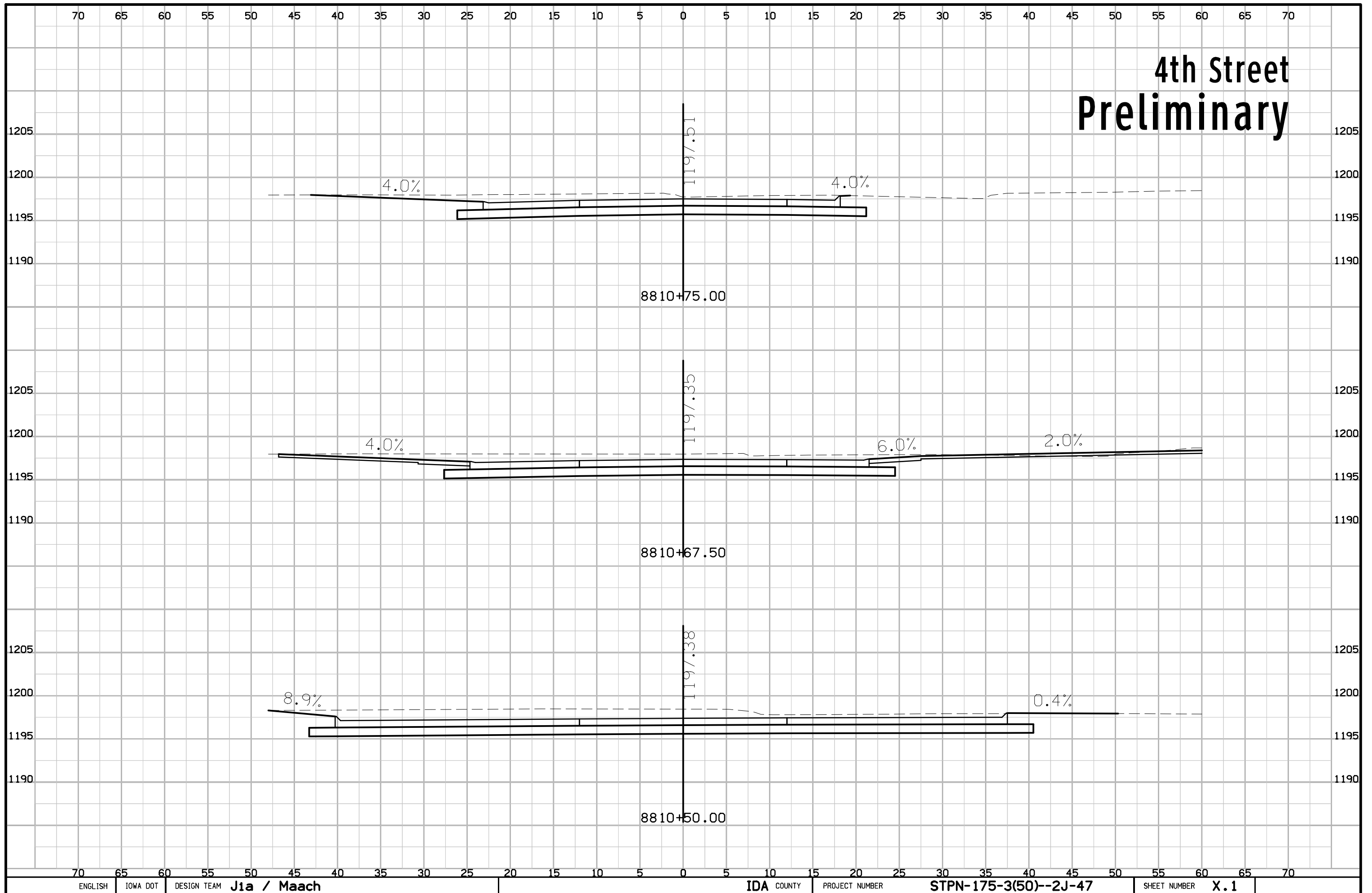
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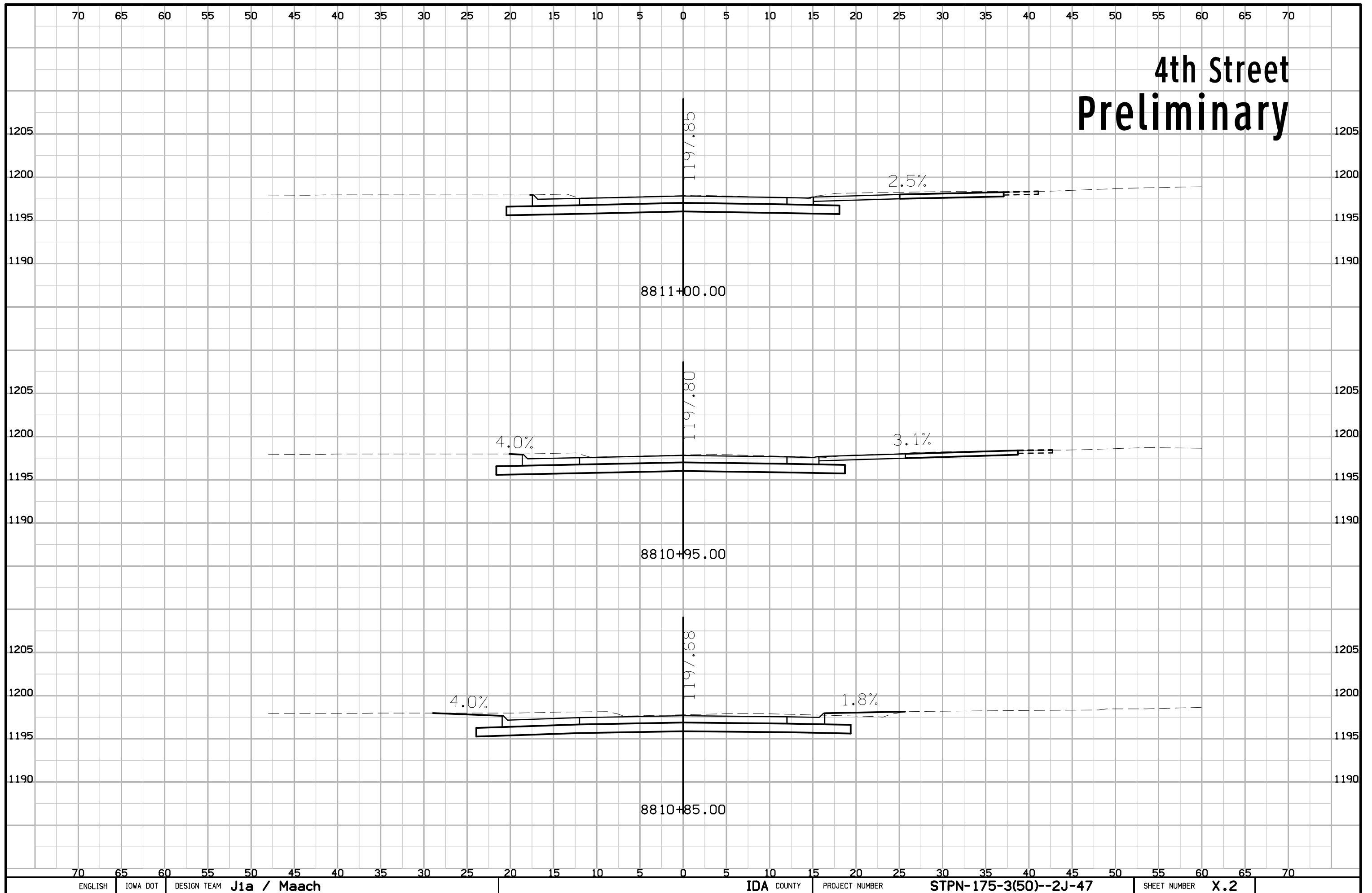
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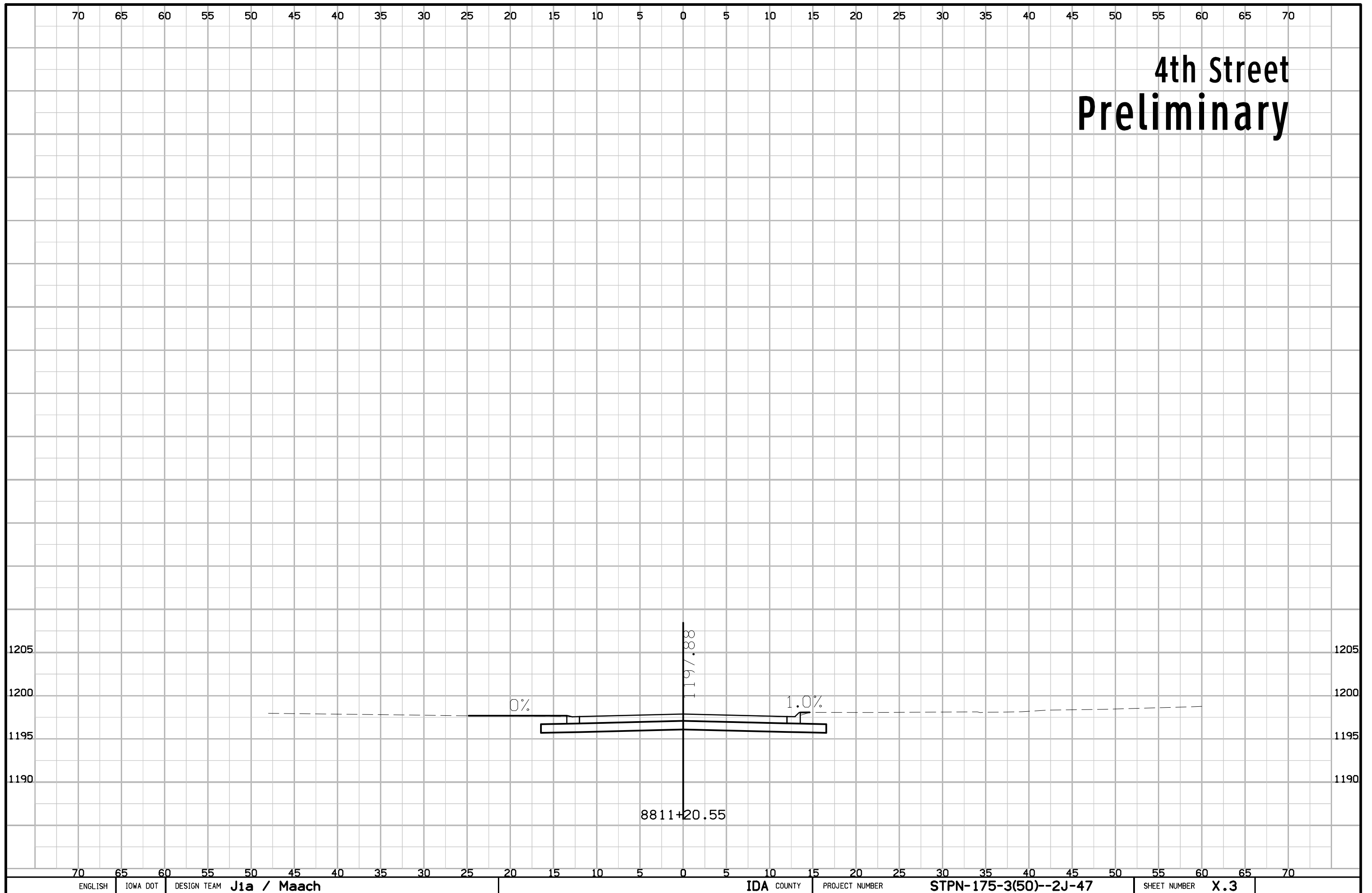
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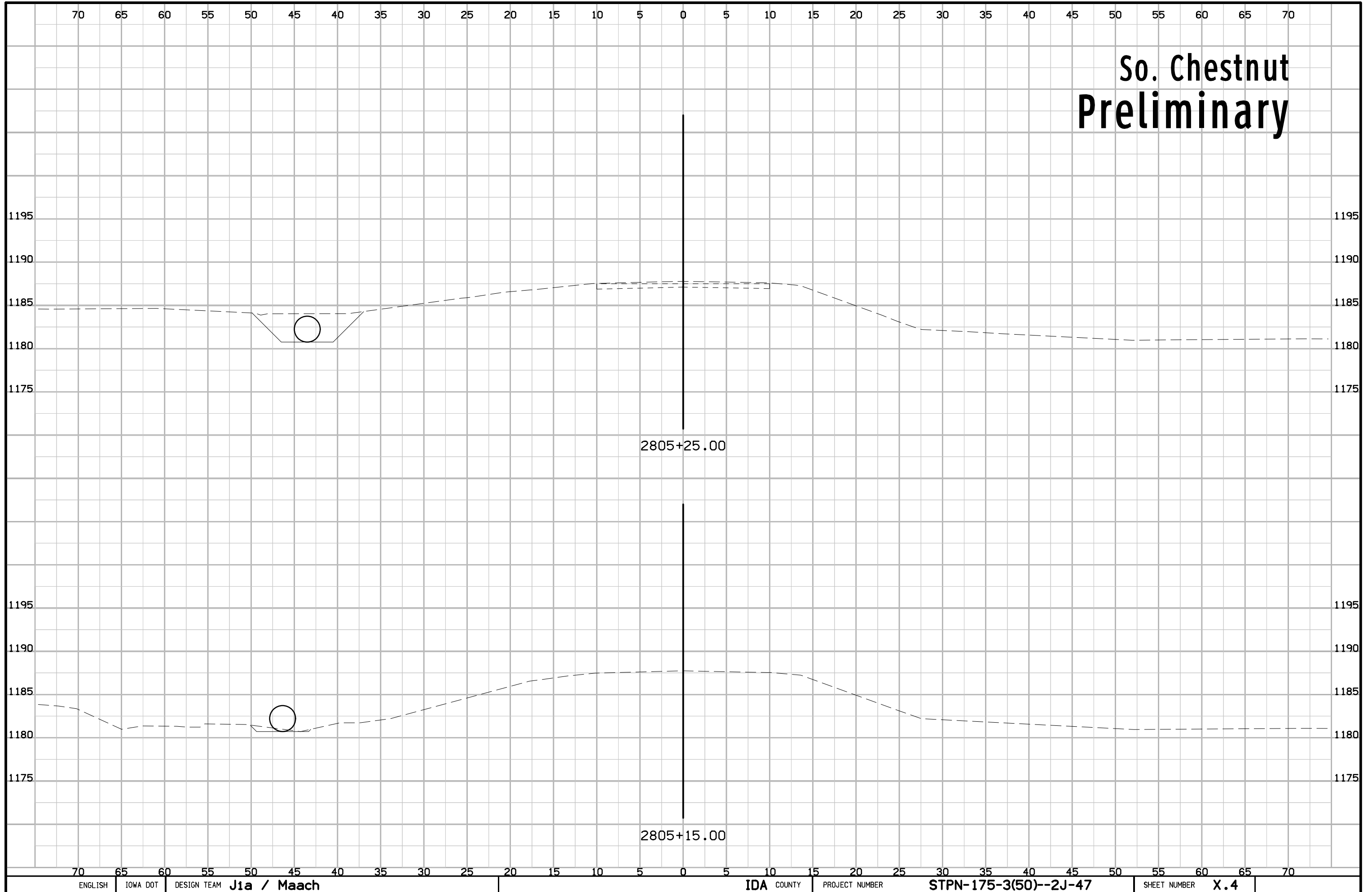
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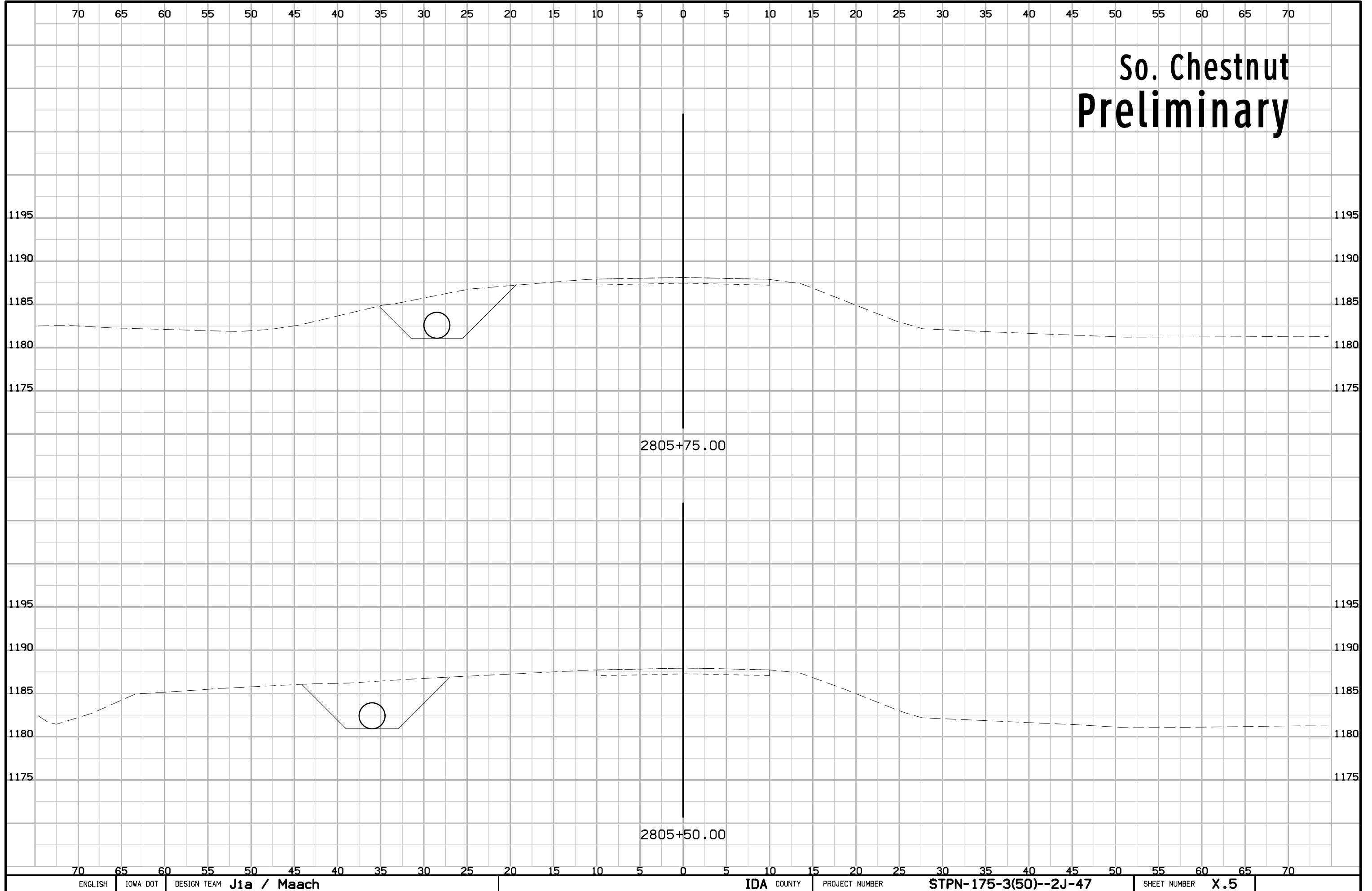
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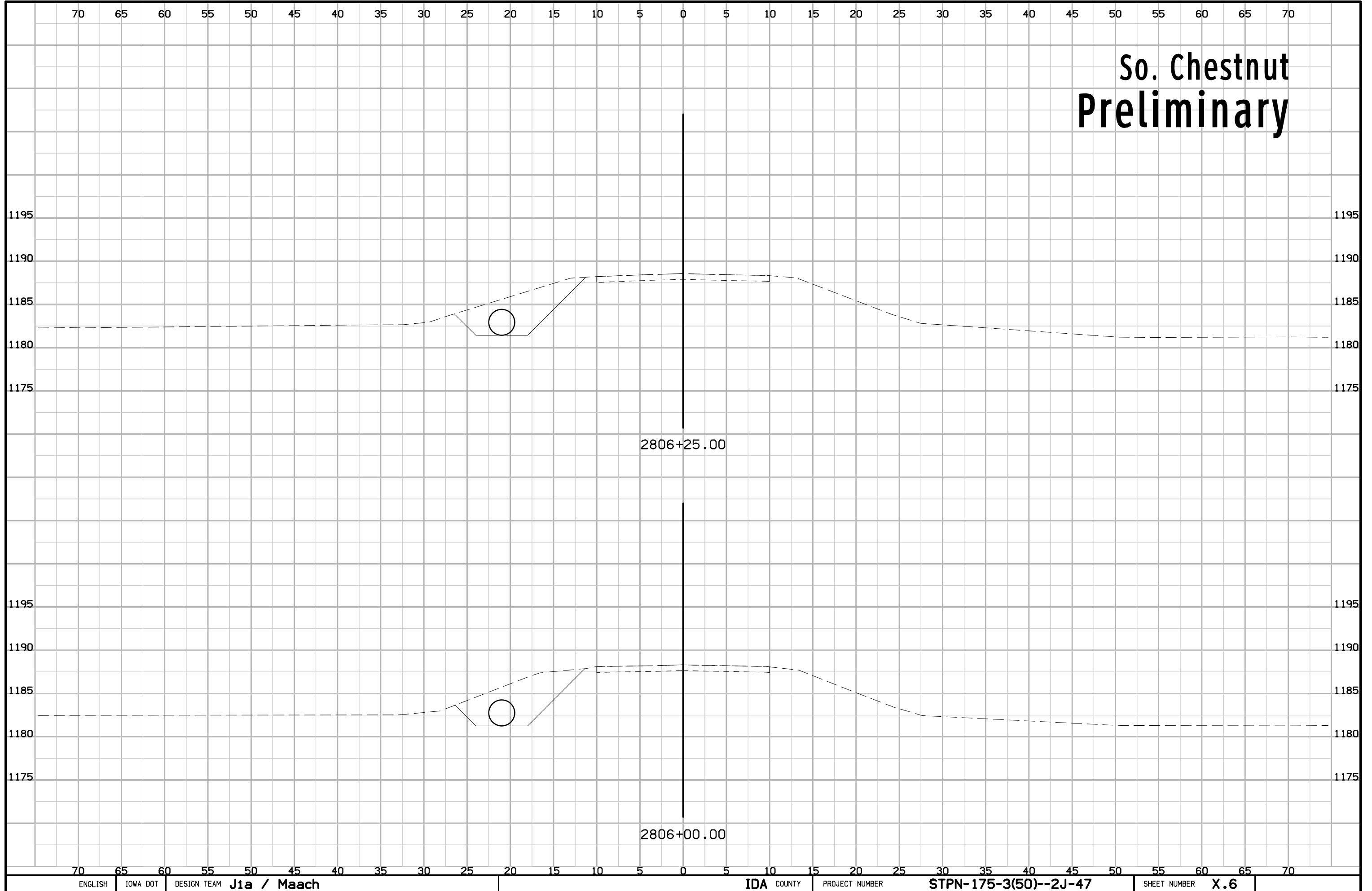
So. Chestnut Preliminary



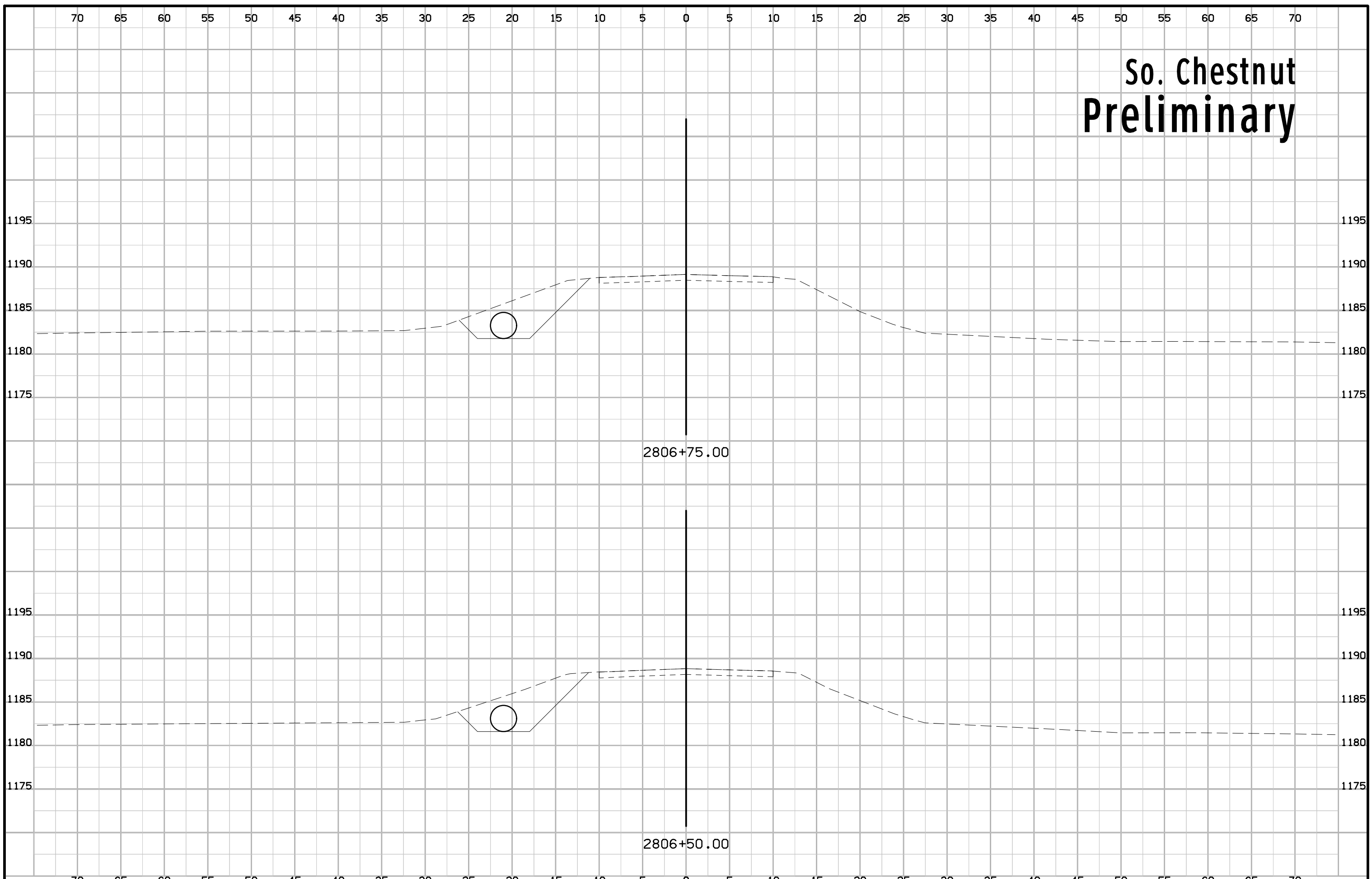
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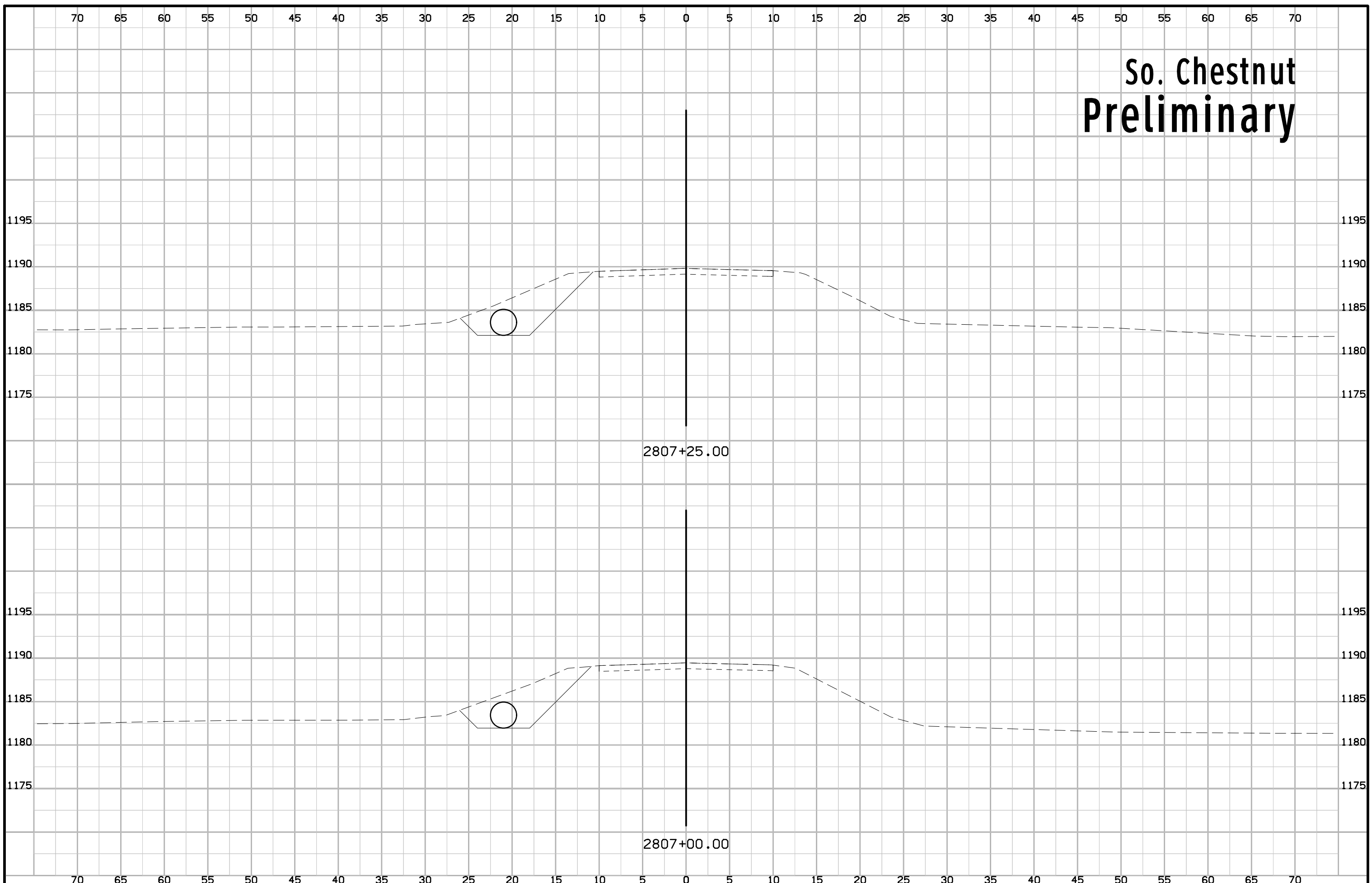
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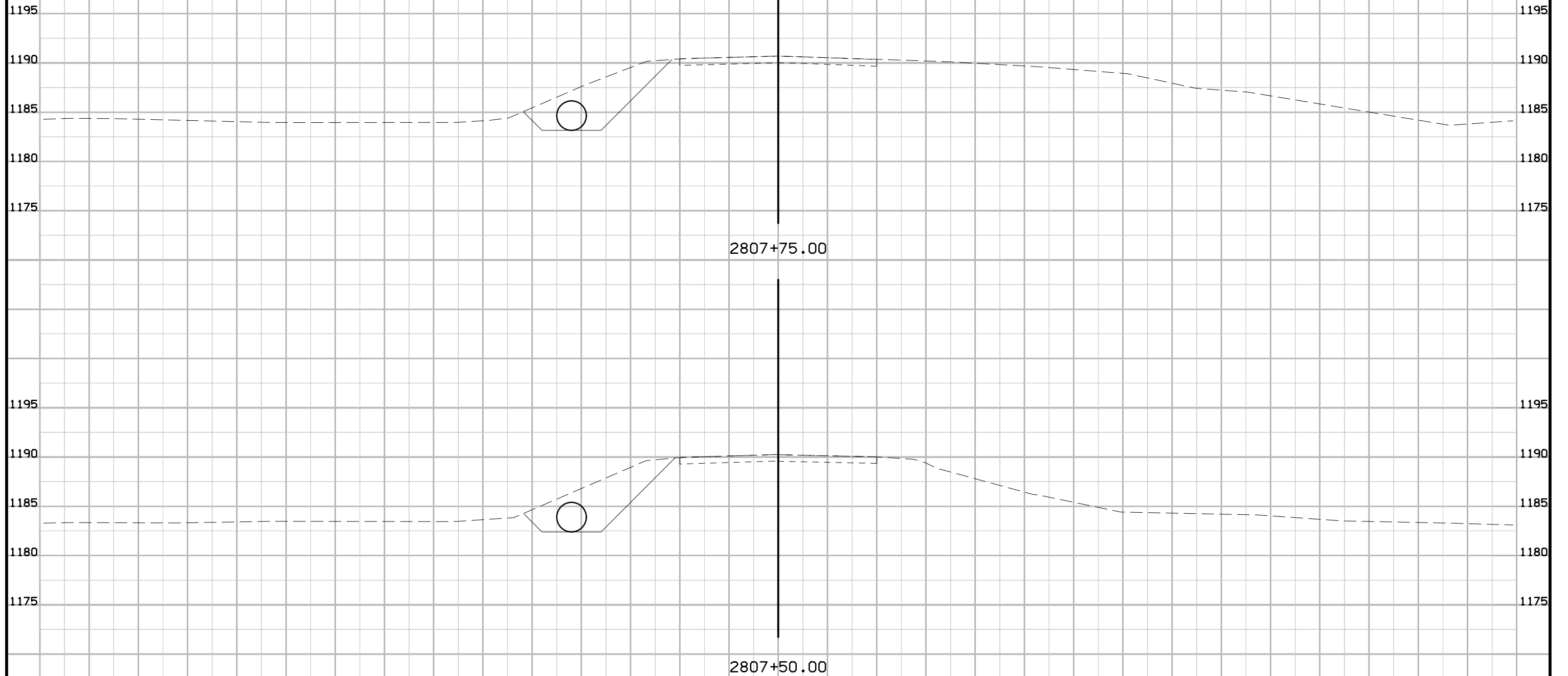
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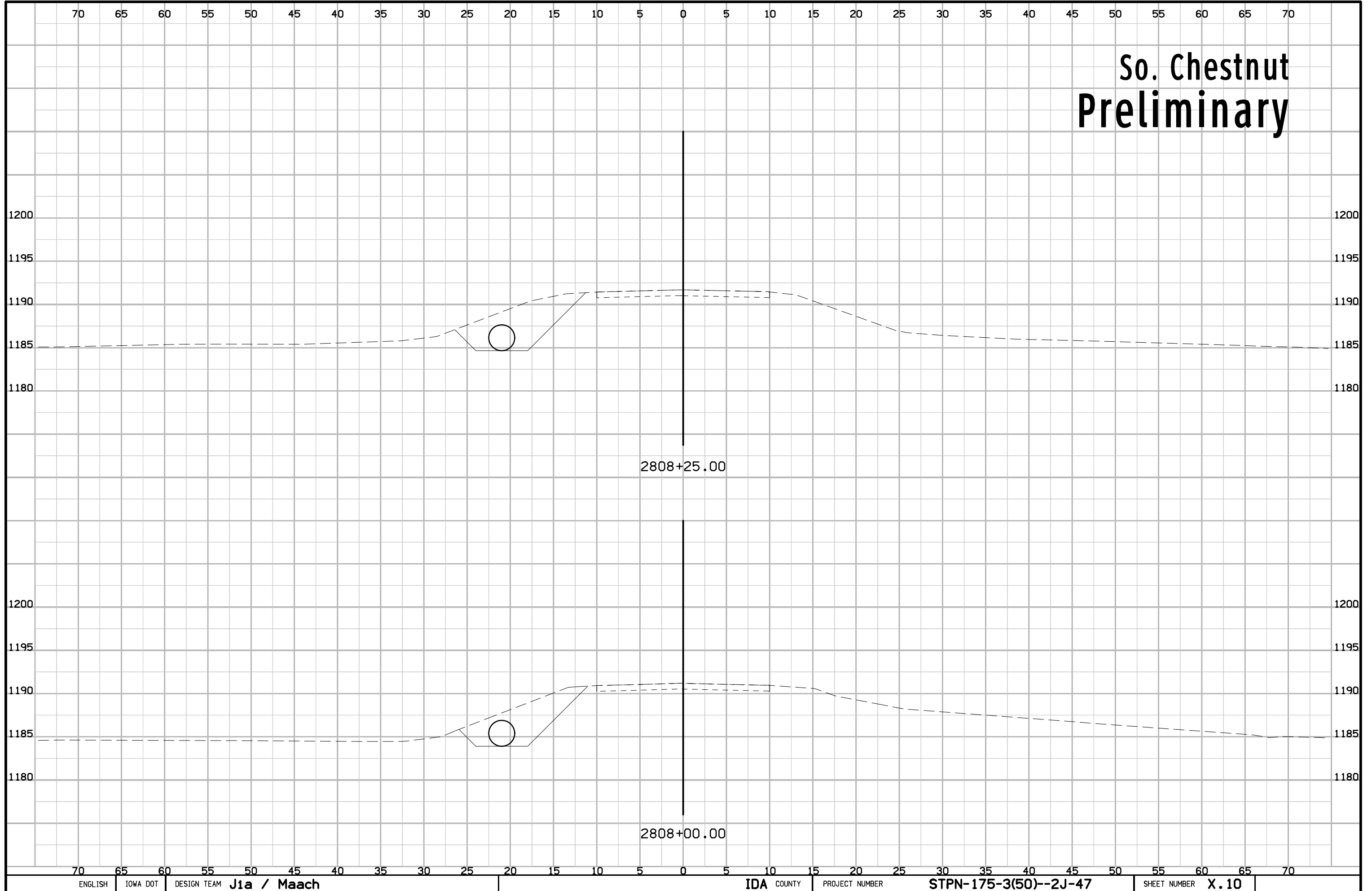
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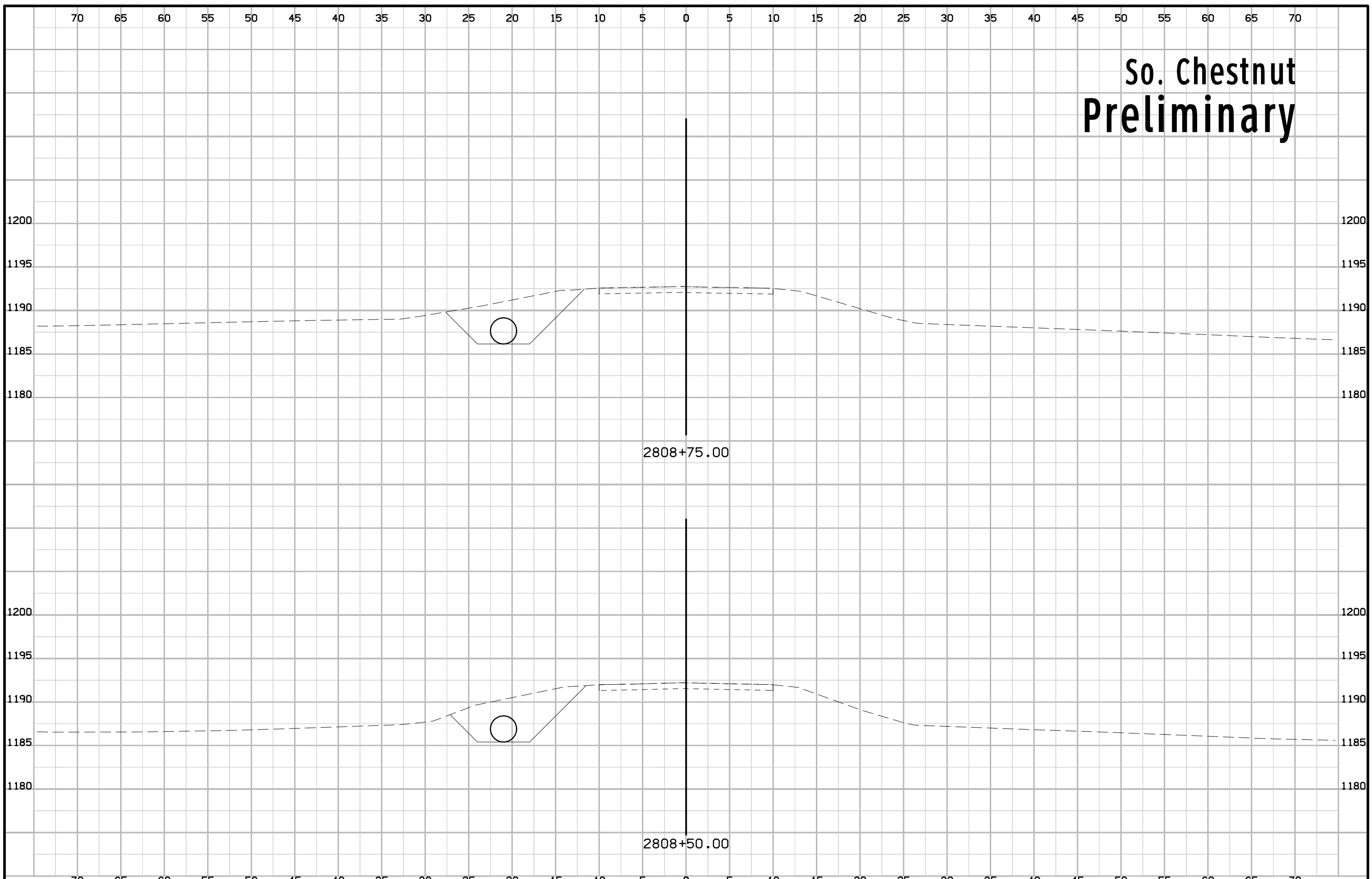
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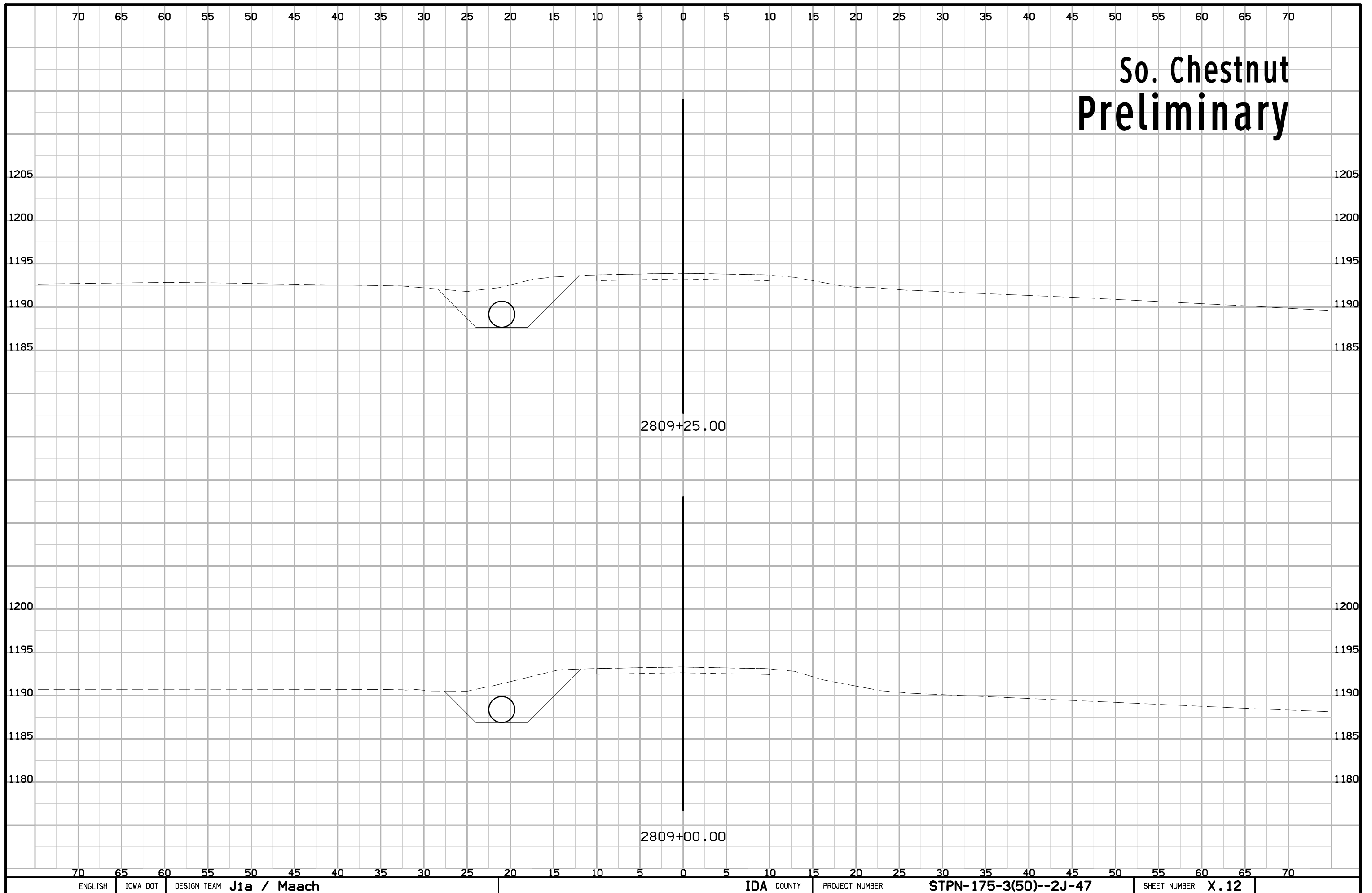
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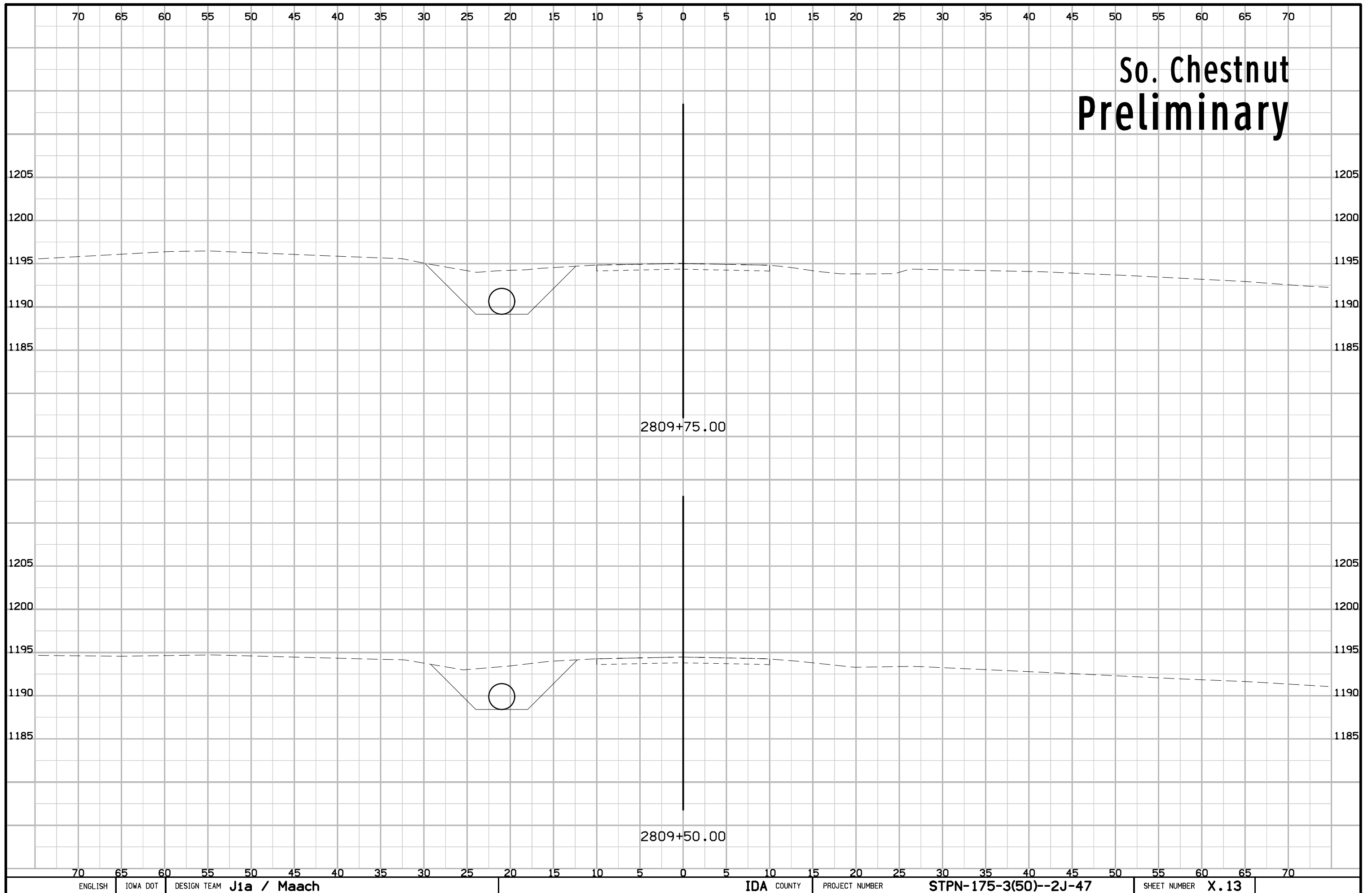
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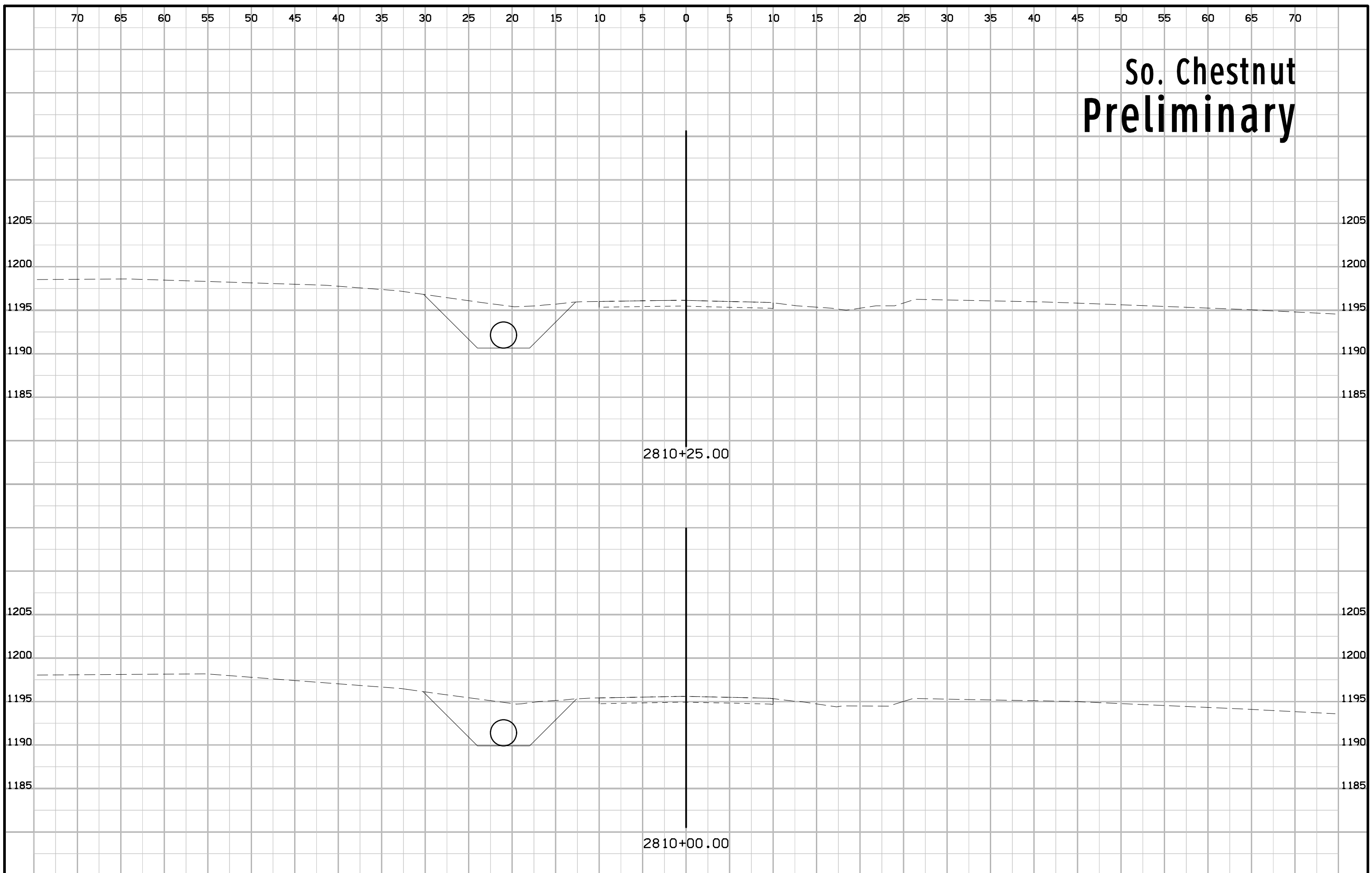
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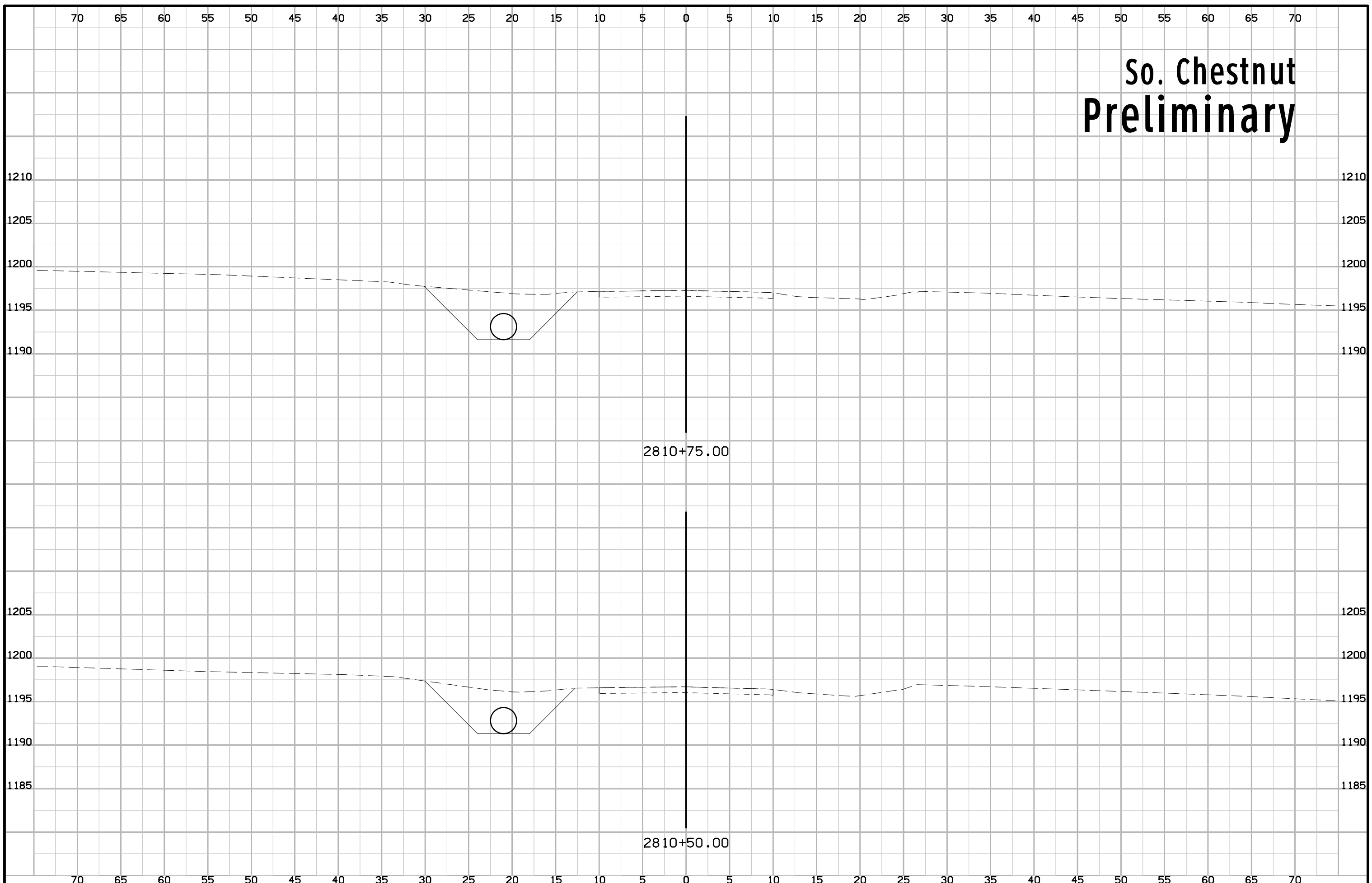
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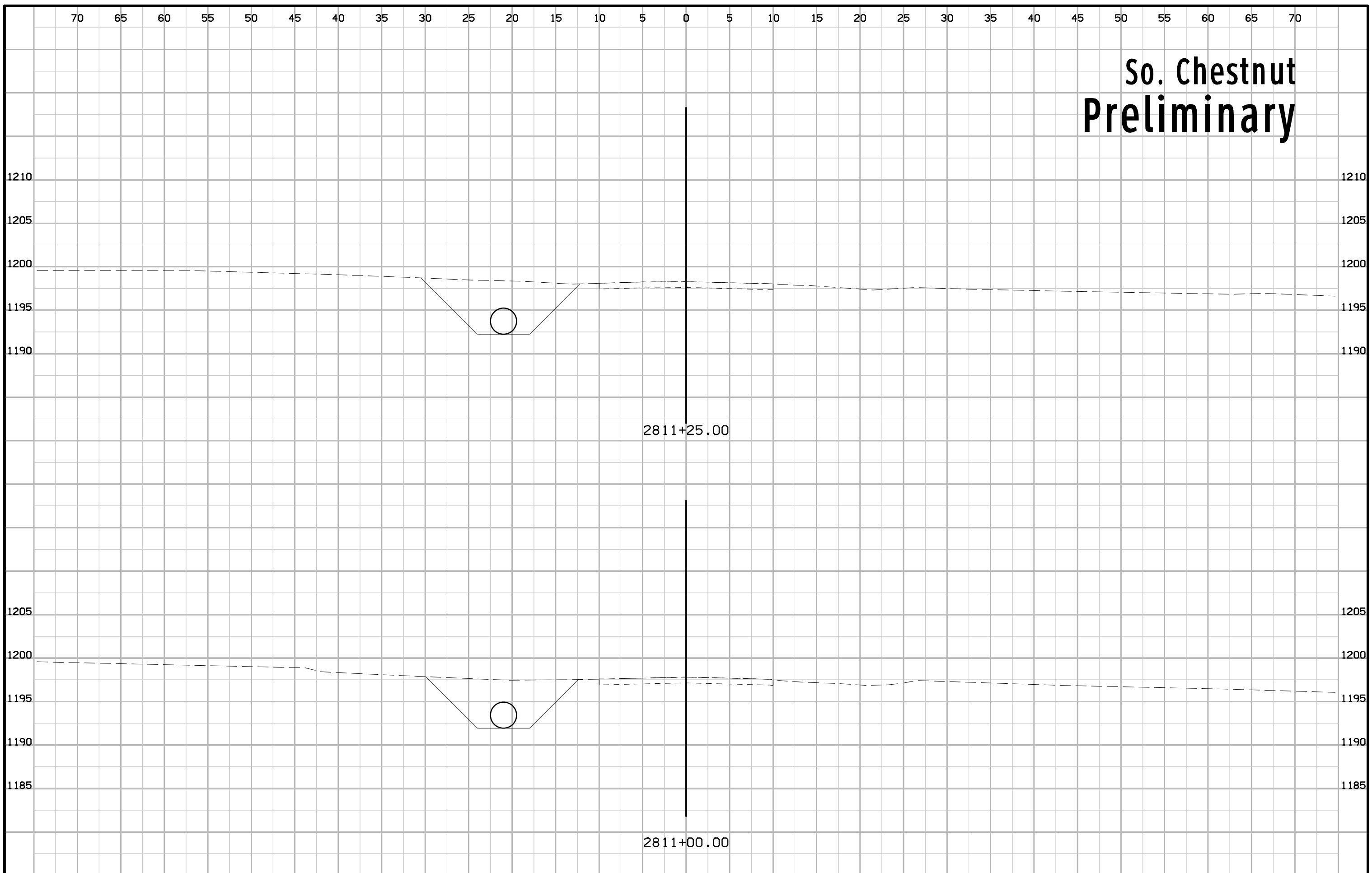
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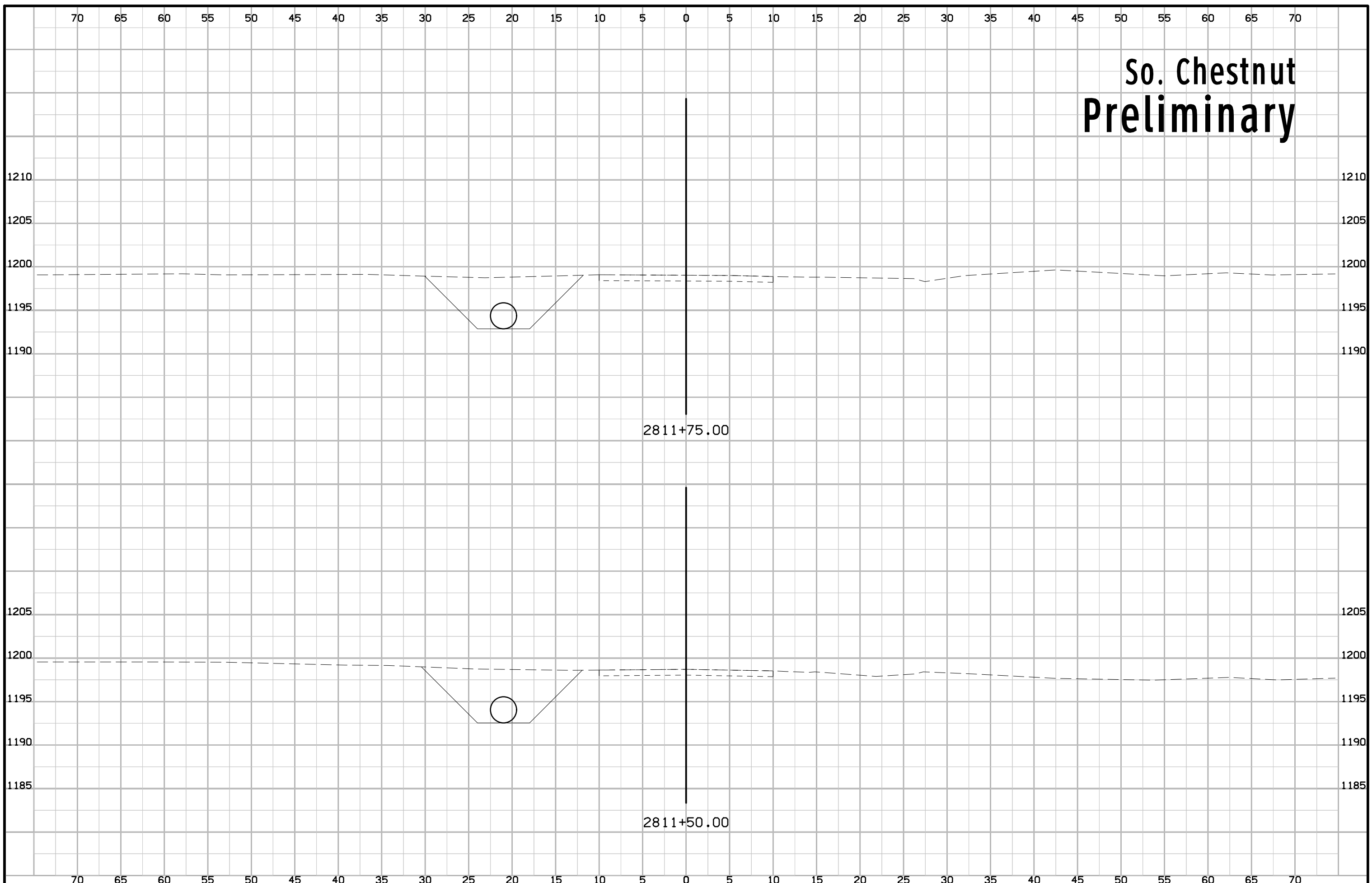
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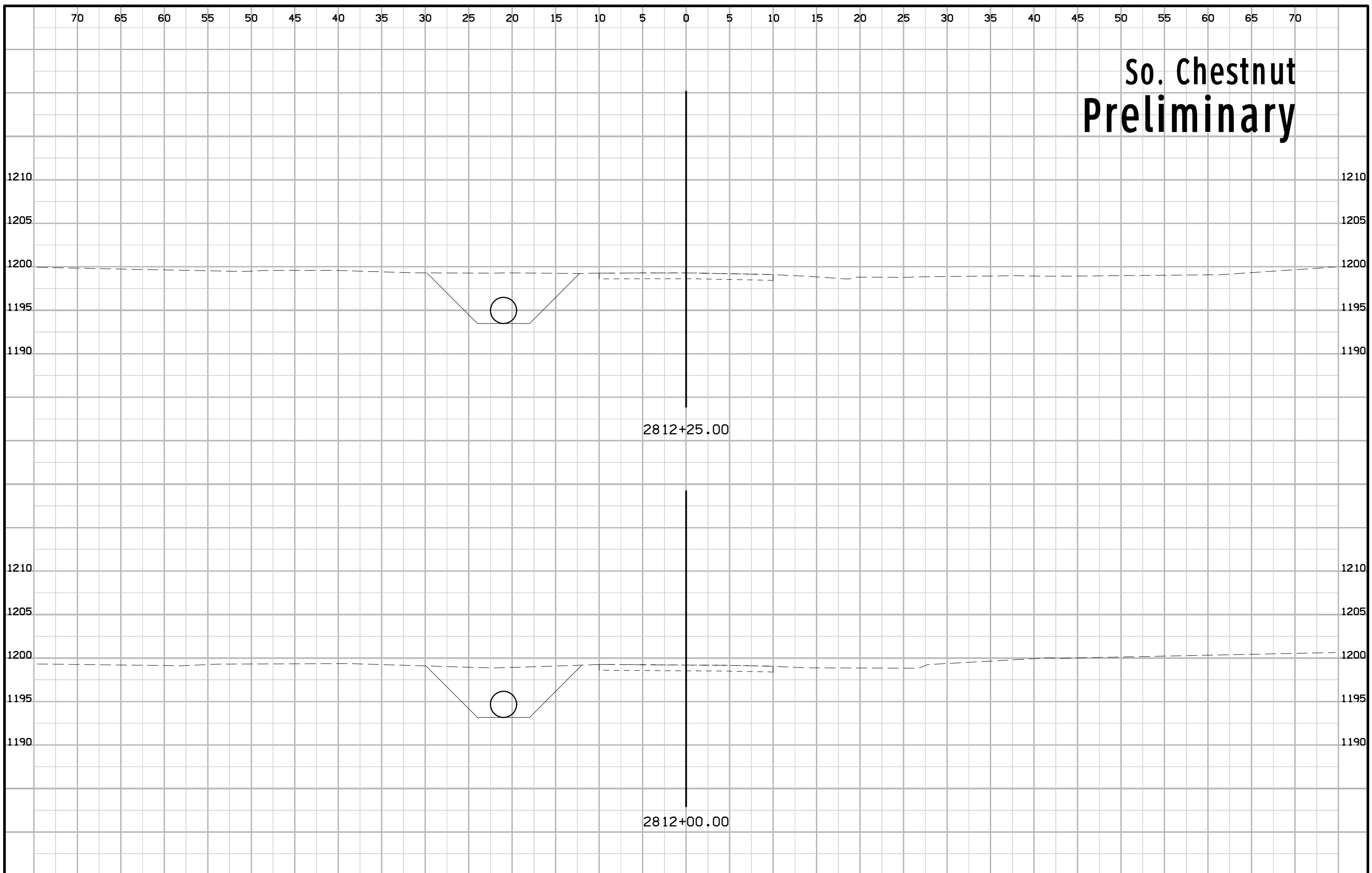
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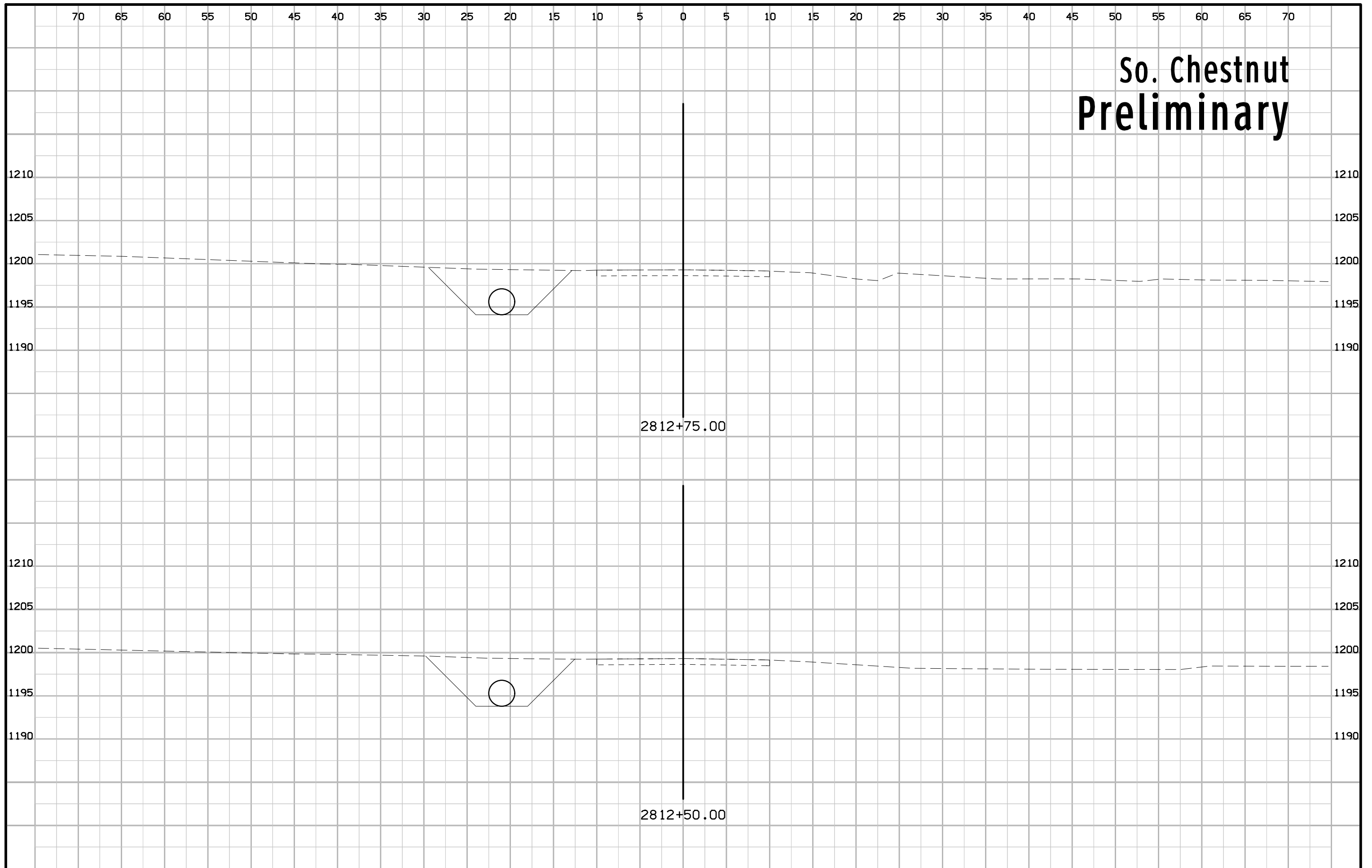
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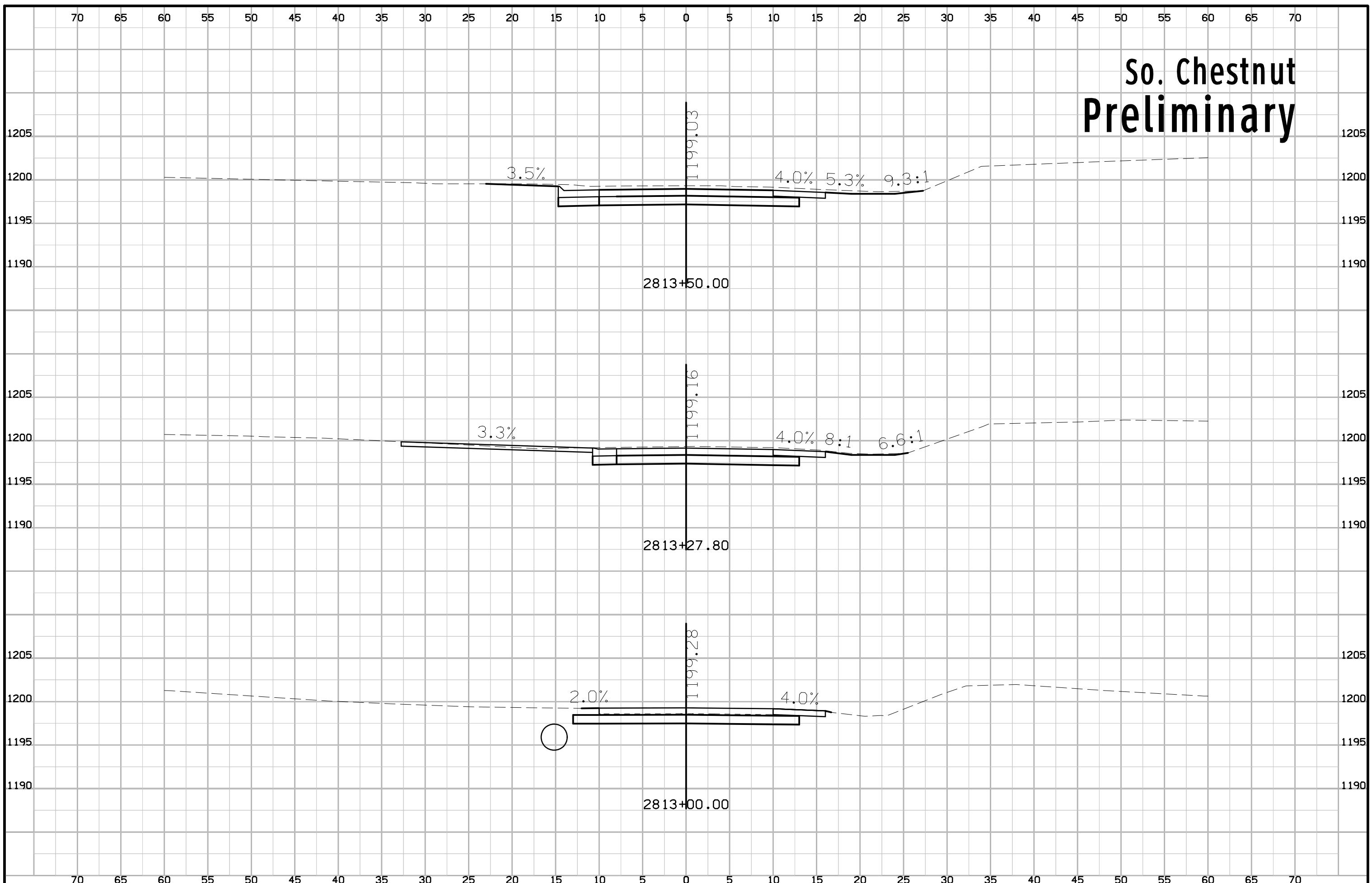
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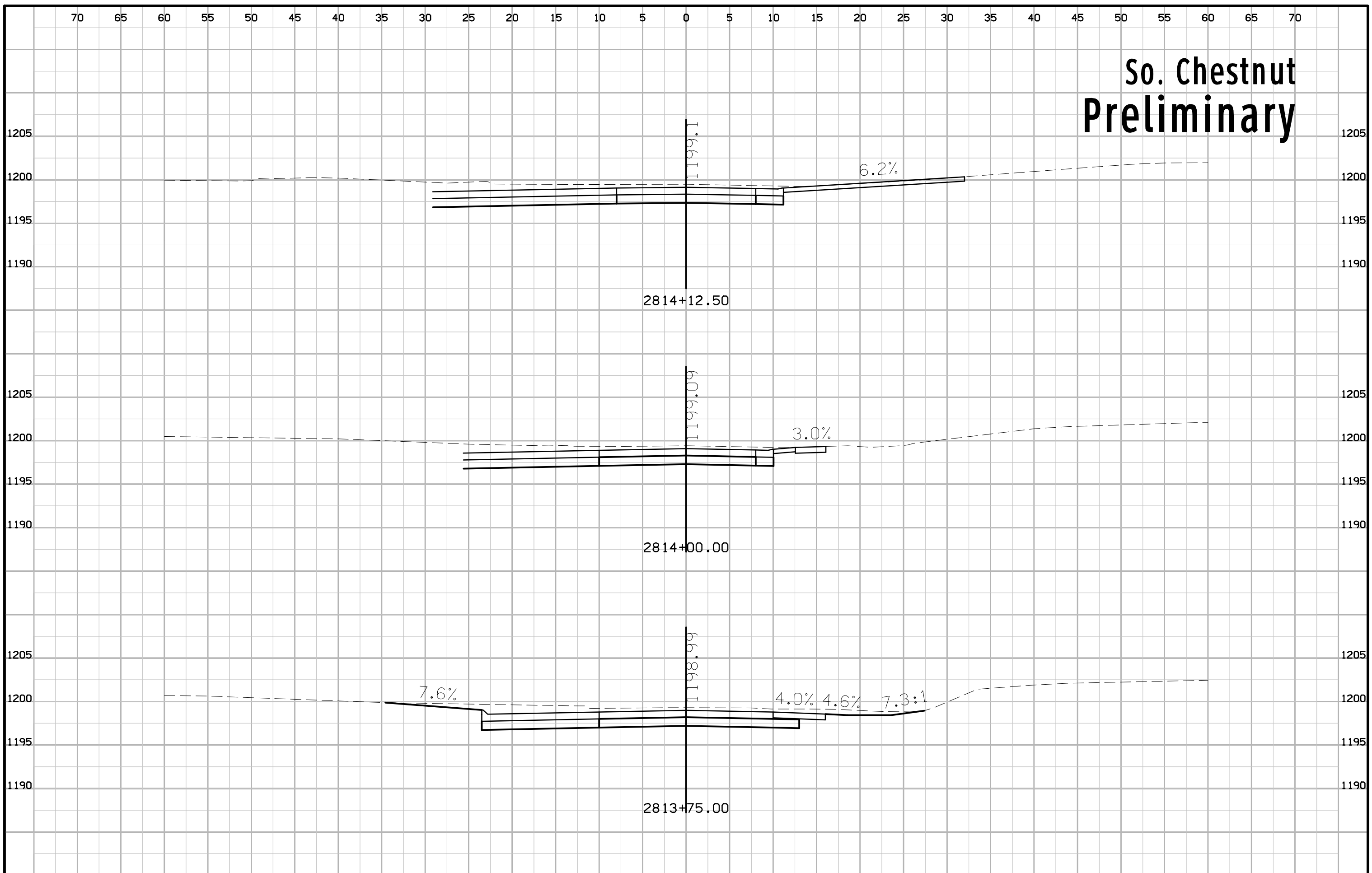
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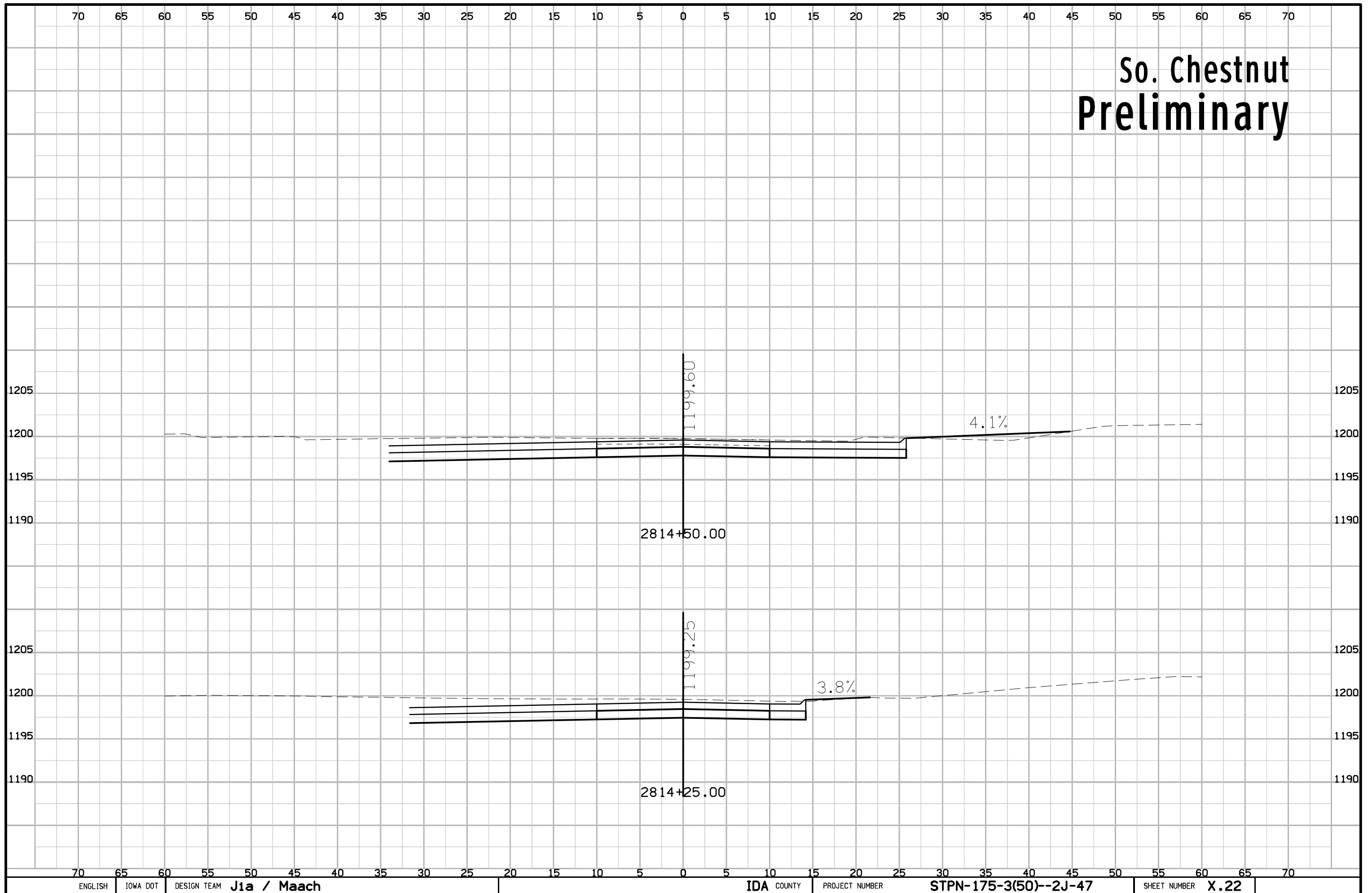
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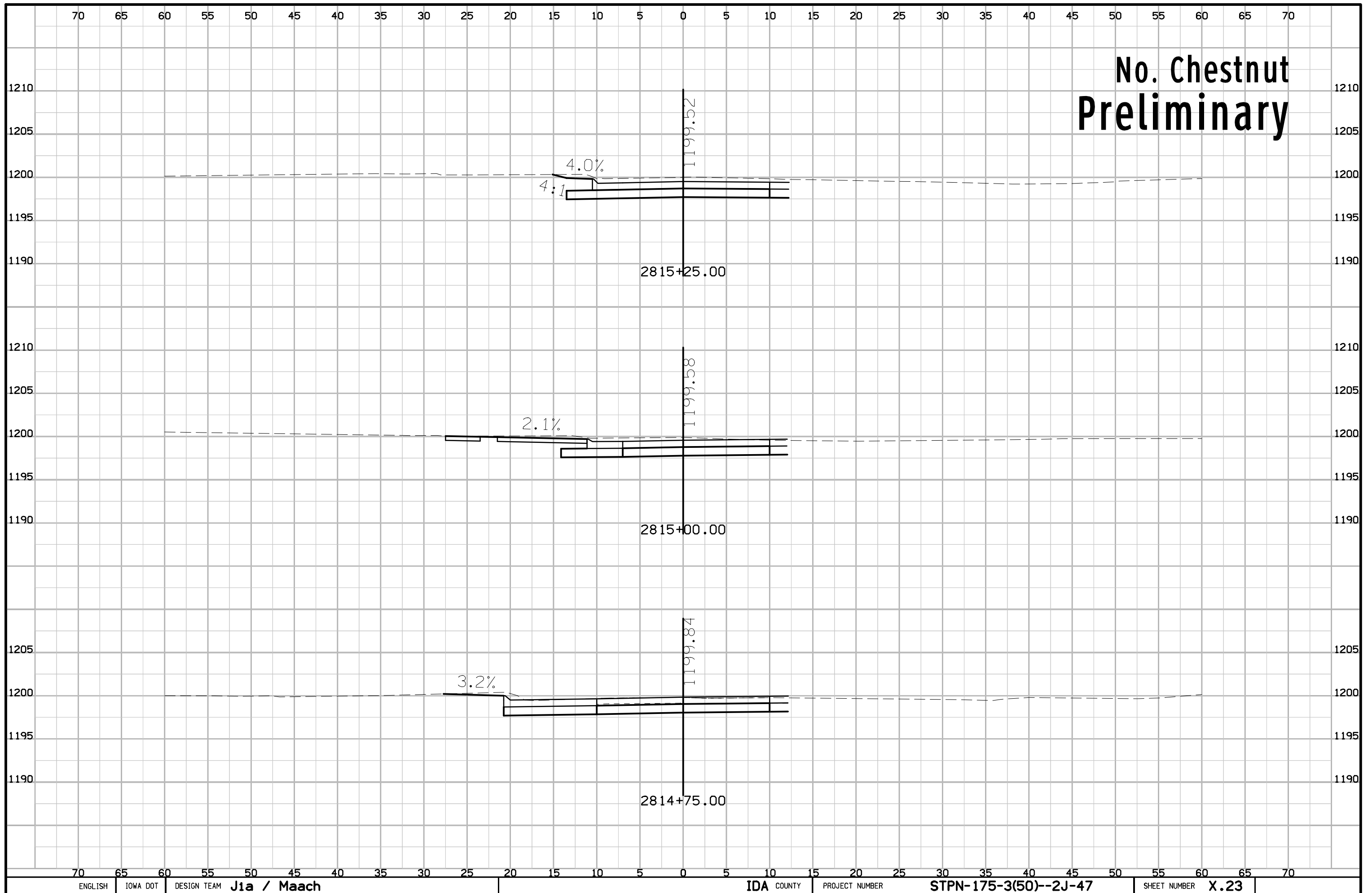
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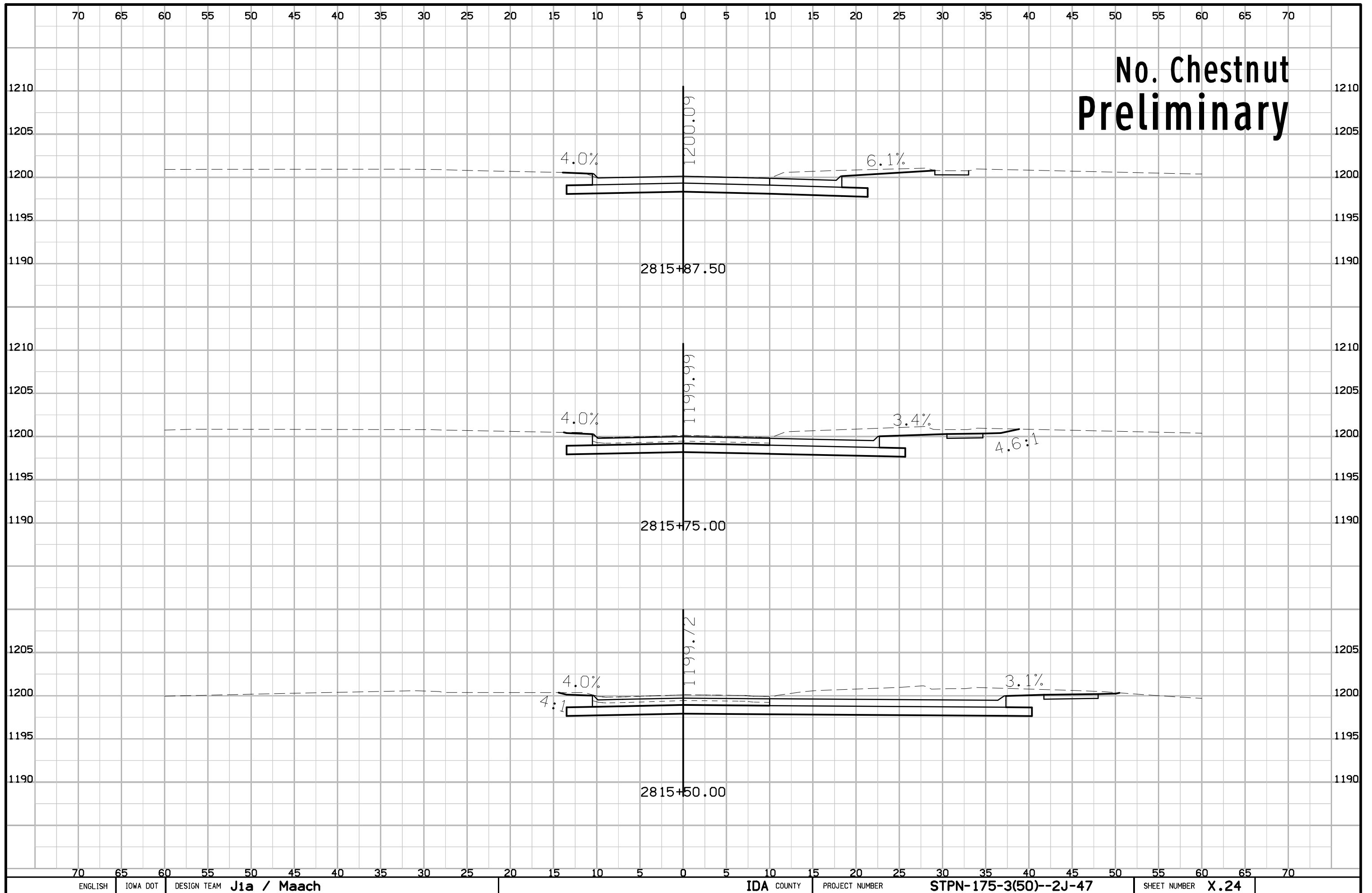
So. Chestnut Preliminary



No. Chestnut Preliminary



No. Chestnut Preliminary



No. Chestnut Preliminary

