

GRADING
 LETTING DATE
 IM-035-2(357)63--13-91

WARREN CO.

T- N



Iowa Department of Transportation

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

WARREN COUNTY

GRADING

Southbound I-35 Over Badger Creek 3.8 Miles S. of Polk Co. Line

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
00-91-035-030-03
PROJECT NUMBER
IM-035-2(357)63--13-91
R.O.W. PROJECT NUMBER
IMN-035-2(392)63--0E-91

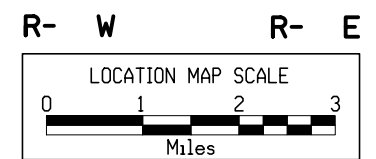
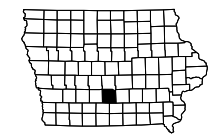
INDEX OF SHEETS

No.	Description
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G.1	Bench & Reference Tie Information
D.1	Legend Sheet
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W.1-W.41	Cross Sections

MILEAGE SUMMARY

Div.	Location	Lin. Ft.	Miles
	Southbound Sta. 1037+00 to Sta. 1086+00 (M.P. XX to M.P. XX)	4900	0.93
	Deduct Bridge Sta.	369	0.07
	Total Length of Roadway	4531	0.86
	Total Length of Bridge	369	0.07
	Total Length of Project	4900	0.93

For Project Location Map
Refer to Sheet A.2



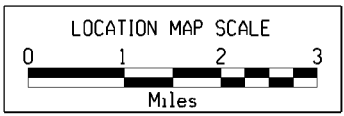
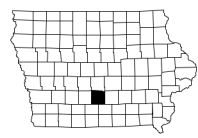
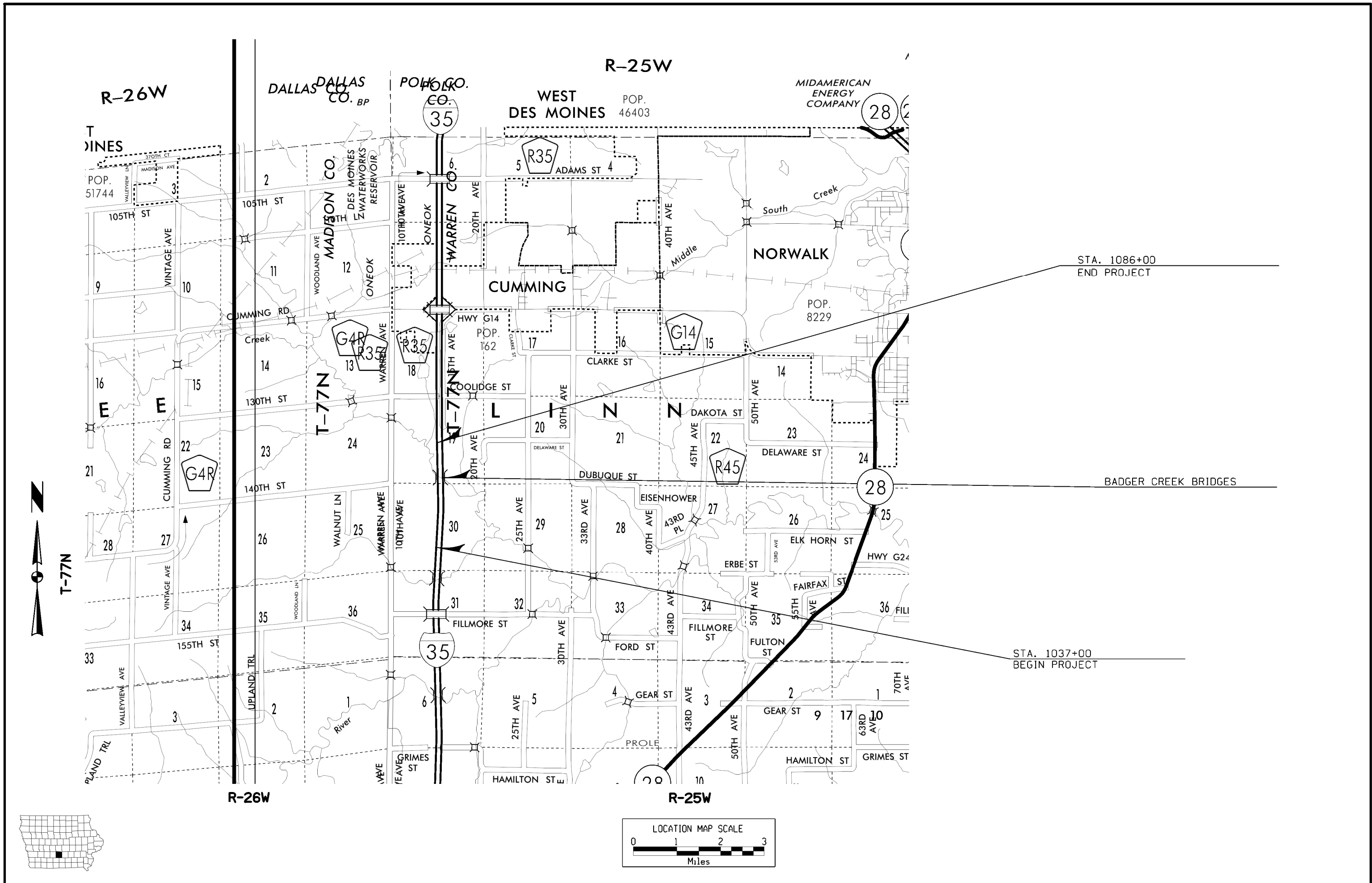
DESIGN DATA RURAL

2012 AADT	27,000	V.P.D.
2032 AADT	48,700	V.P.D.
20 DHV	--	V.P.H.
TRUCKS	23	%
Total Design ESALs	--	

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN - Date: 10/05/2011



GPS Datum and vertical datum were obtained from the Project # IMN-35-2(314)67-0e-77 2003-2004 I-35 survey. The GPS Network along this project was collected by IDOT Preliminary Survey Crews. Information about that network can be found in the gpspoints.doc file included with this survey. This Project is relative to NAD83 (1996) (Local Project Plane Coordinates)

The mainline alignment of this survey is a retrace of the P.C.C. Paving Plans Project # 853 (10) (centerline of N. B. Lanes). Stationing was obtained at CL Badger Creek Bridge Sta. 1071+50.0 and backed up to the BOP then carried ahead to the EOP.

Vertical Datum

This survey is relative to NAVD88 vertical datum. A three wire bench level run was run throughout these projects. I-35 benches were established from two bench Circuits. The first run originated at BM # 500. A Posted code "A" Vertical Order BM Stamped L 116 1935(PID# MH0304) in St. Charles. A Circuit was ran from St. Charles easterly to I-35, northerly to Grand Ave., easterly to Commerce to BM# 625, a 1st order USGS stamped Q-155 1950.PID#MH0433.A second bench circuit began at BM# 625 in Commerce and went northerly along 50th St., westerly along I-235,southerly along I-35 And easterly along Grand Ave. returning to BM # 625 in Commerce. Additional Bench circuits were then run from set benches at County road G-14, Grand Ave. and I-35 between I-235 and University Ave. Benches were established along all Bench Runs. This survey was able to use some of these benches without having to establish any additional benches. Bench numbers and elevations are identical to all surveys.

Equations are as follows

- BM # 561 this survey (cut "x" outlet hdwl flume) Elev. = 896.238
- = BM # 561 (Project # IMN-35-2(314)67-0e-77) Elev. = 896.238
- BM # 562 this survey (cut "x" sw wing sb brg) Elev. = 854.873
- = BM # 562 (Project # IMN-35-2(314)67-0e-77) Elev. = 854.873
- BM # 563 this survey (set\rrr spk w side br.post) Elev. = 860.80
- = BM # 563 (Project # IMN-35-2(314)67-0e-77) Elev. = 860.80

Horizontal Datum

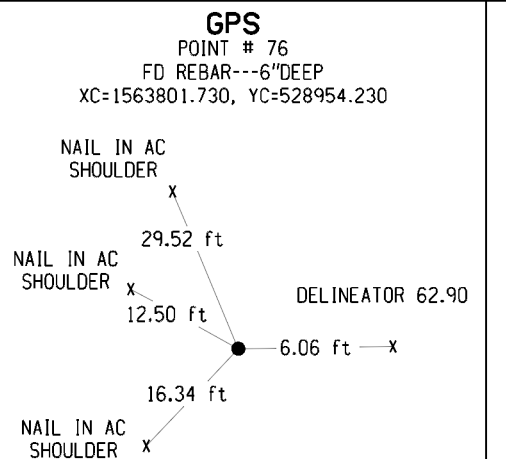
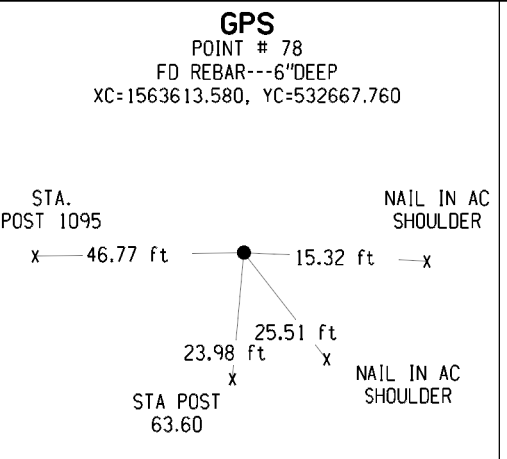
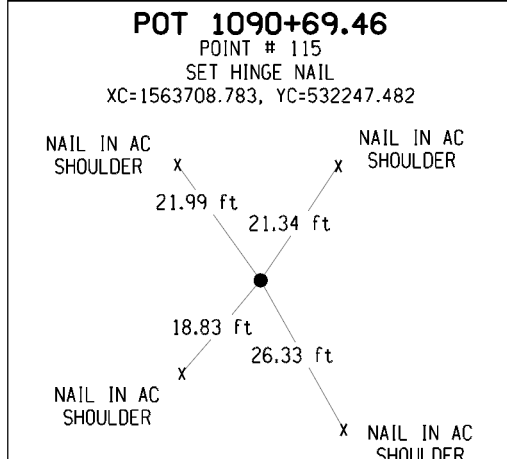
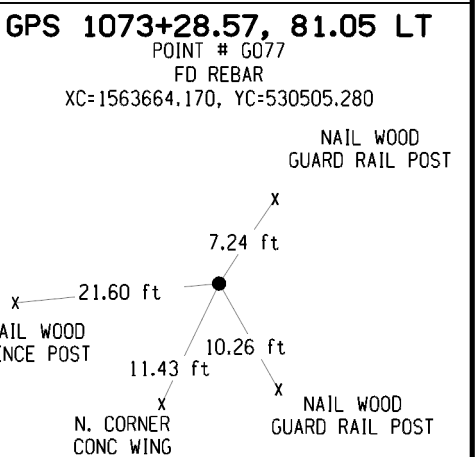
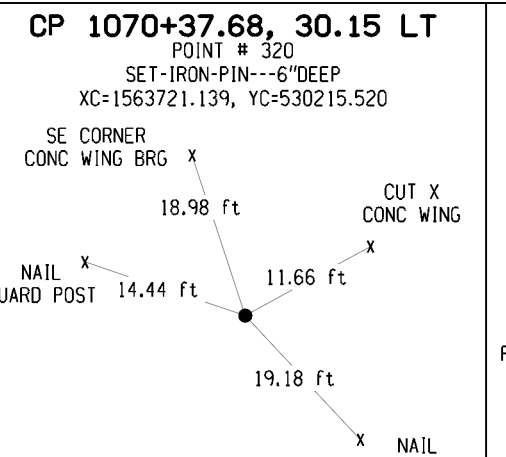
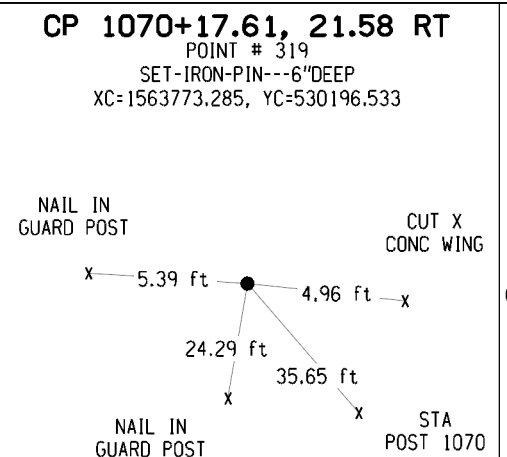
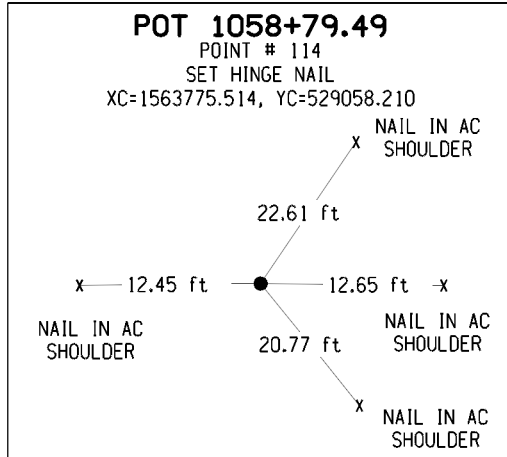
The mainline alignment of this survey is a retrace of the P.C.C. Paving Plans Proj. No. 853(10), POT 1058+79.49 (set hinge nail), and POT 1090+69.46 (set hinge nail) were used to generate this alignment (centerline of N. B. Lanes). Stationing was obtained at CL Bridge at Sta. 1071+50.00 from Plans. Stationing was then backed up to the BOP then carried ahead to the EOP.

Equations are as follows

Mainline (I-35) Equations

= CL Brg over Badger Creek 1071+50.0 P.C.C. Paving Plans Project # 853(10) over Badger Creek 1071+50.0 this survey

BENCHMARKS	ELEVATION
No. 562 Sta. 1070+74.23 82.29 Lt. CUT "X" SW WING SB I-35 BRIDGE OVER STREAM	854.873
No. 563 Sta. 1072+73.19 20.00 Lt. FD "X" NW WING OF NB I-35 BRIDGE OVER STREAM	849.531
No. 564 Sta. 1086+93.45 126.07 Rt. SET\RRR SPK W SIDE BR.POST	860.800

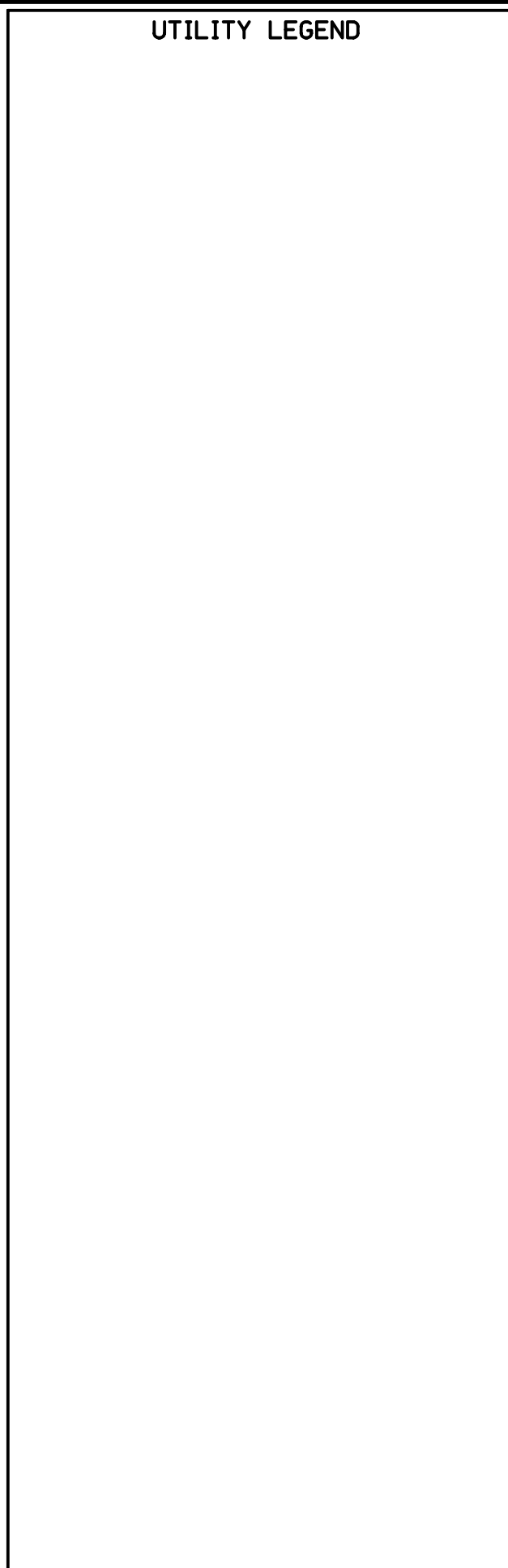


DETAILS OF REFERENCE INFORMATION
All References Plumb Distances
(unless otherwise noted)

SURVEY SYMBOLS

- PIP Pipe Culvert
- FW Wire Fence
- TLNR Tree Line Right
- TLNL Tree Line Left
- STA Storm Sewer Line Co. 1
- MM Mile Marker Post
- TDC Tree Deciduous
- CUL Culvert
- LC Lot Corner
- MIS Miscellaneous
- UE Utility Elevation
- INB Storm Sewer Beehive Intake
- TIL Tile Line
- VS Valley Section
- BCL Bridge Centerline
- SHR Shrub
- BRG Bridge
- LIN Miscellaneous Line
- GDL Guard Rail Steel
- OUT Tile Outlet
- COS Square Bridge Pier Column
- EHW Extreme High Water
- BNK Stream Bank
- D Centerline Draw or Stream (Down)
- DU Centerline Draw or Stream (Up)
- RIP Rip-Rap
- EP Edge of Paved Roads (ML or SR)
- SH Paved Shoulder
- EG Edge of Gravel Road
- EW Edge of Water
- DIK Centerline of Dike or Dam
- SP Stream Profile
- CON Concrete or A/C Slab
- TER Terrace
- SOP Size of Pipe or Culvert
- PRO Profile Shot
- TW Top of Water
- OP Over Pipe Profile Shot
- WC Wild Card (Misc. Field Shot)
- BD Bridge Deck
- SBR Size of Bridge
- BLS Bridge Low Steel

UTILITY LEGEND

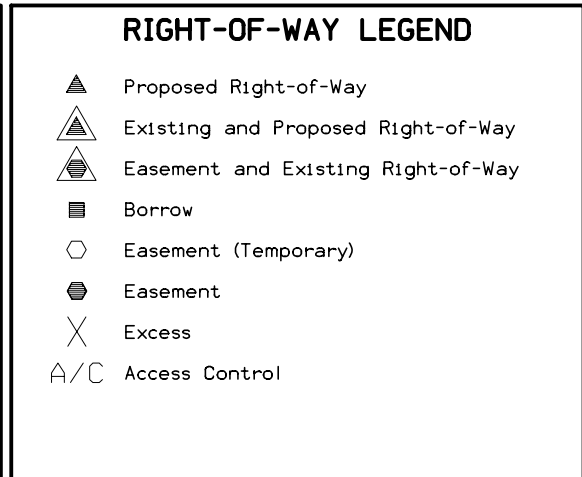
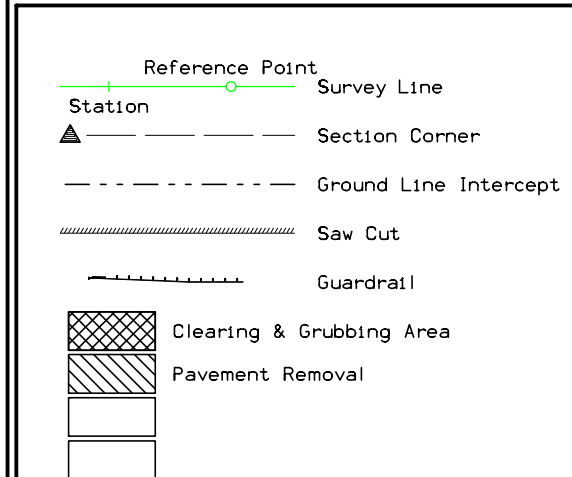


PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

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

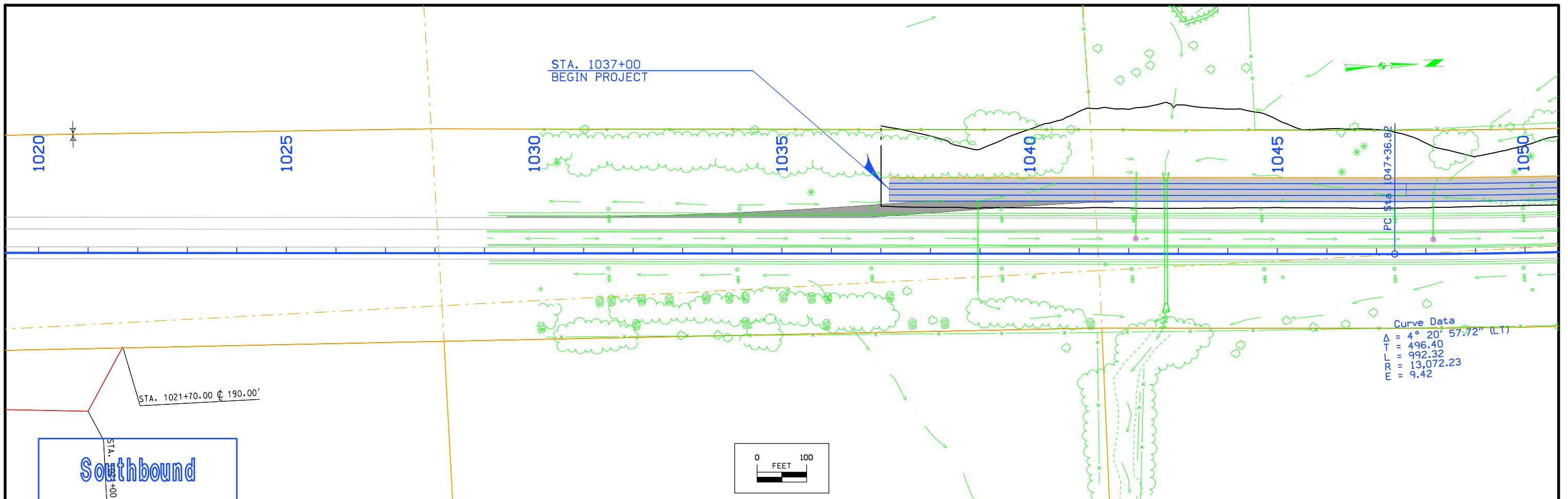
PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

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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

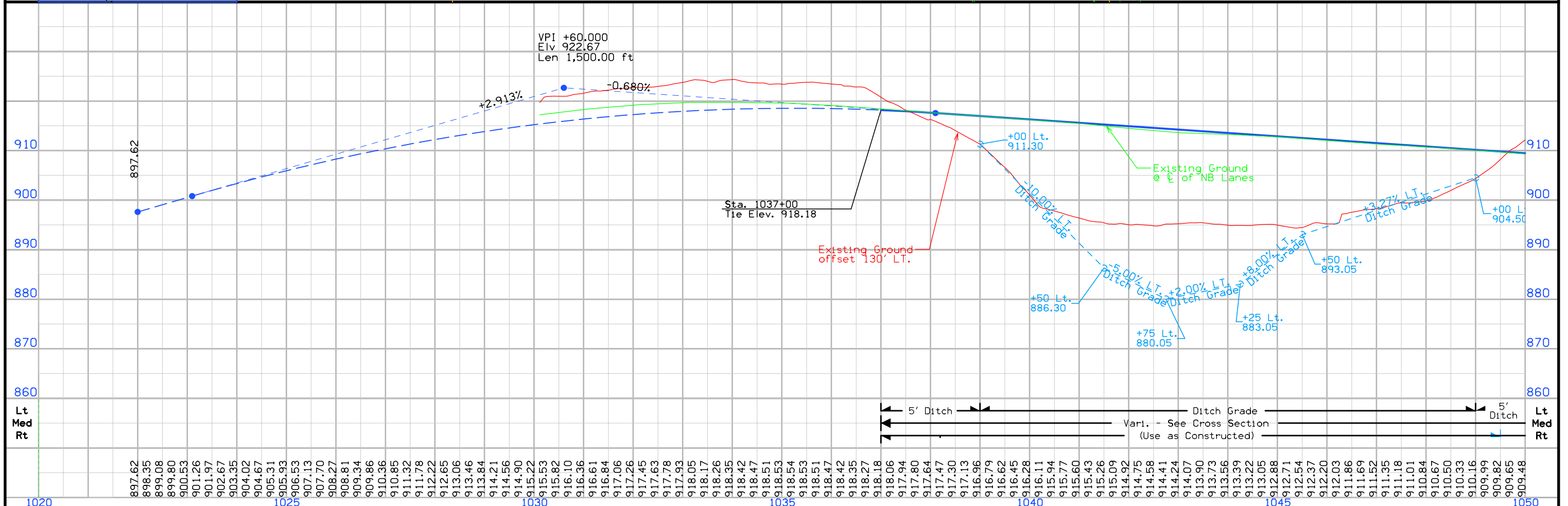
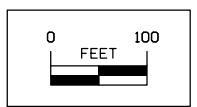


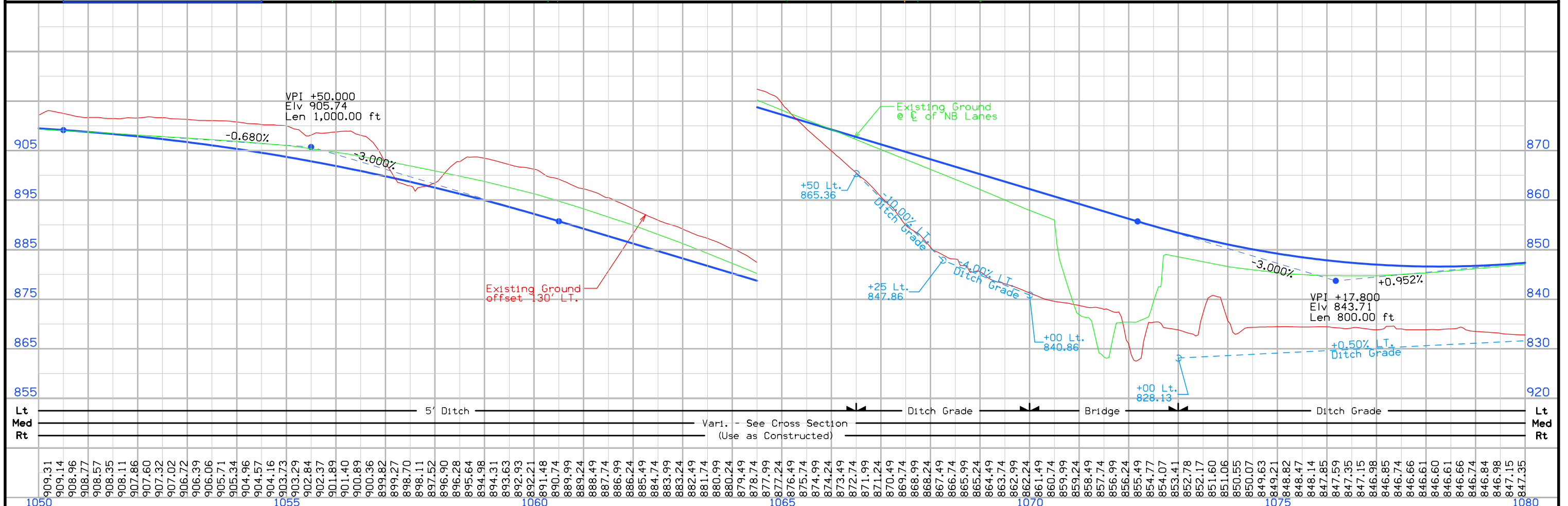
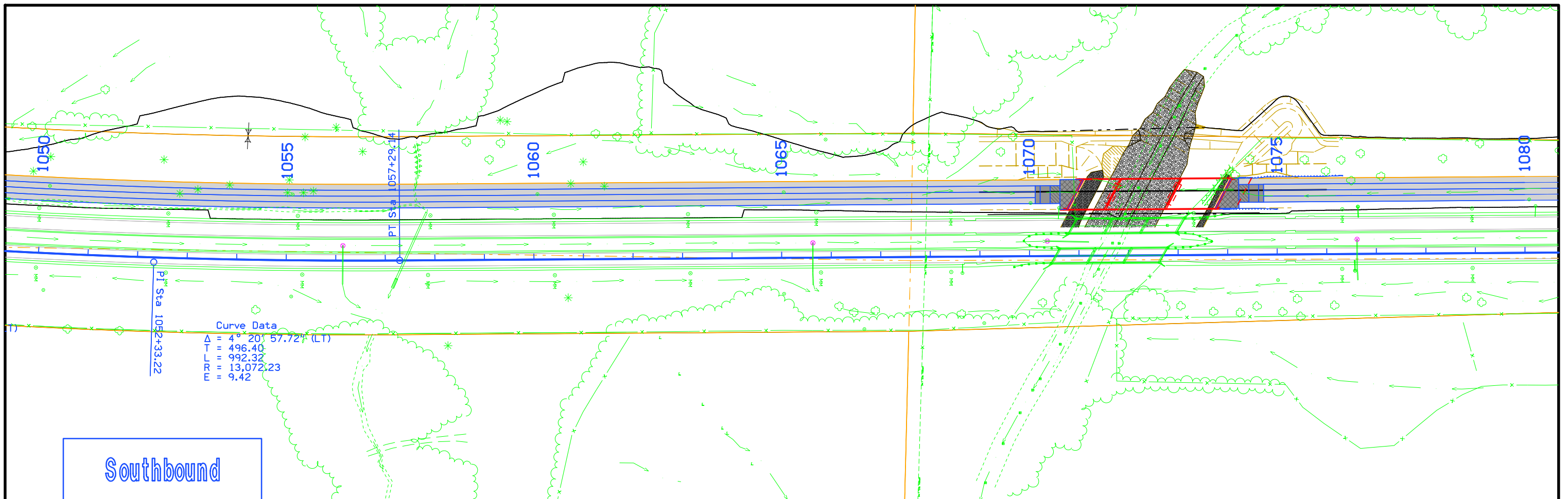
PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

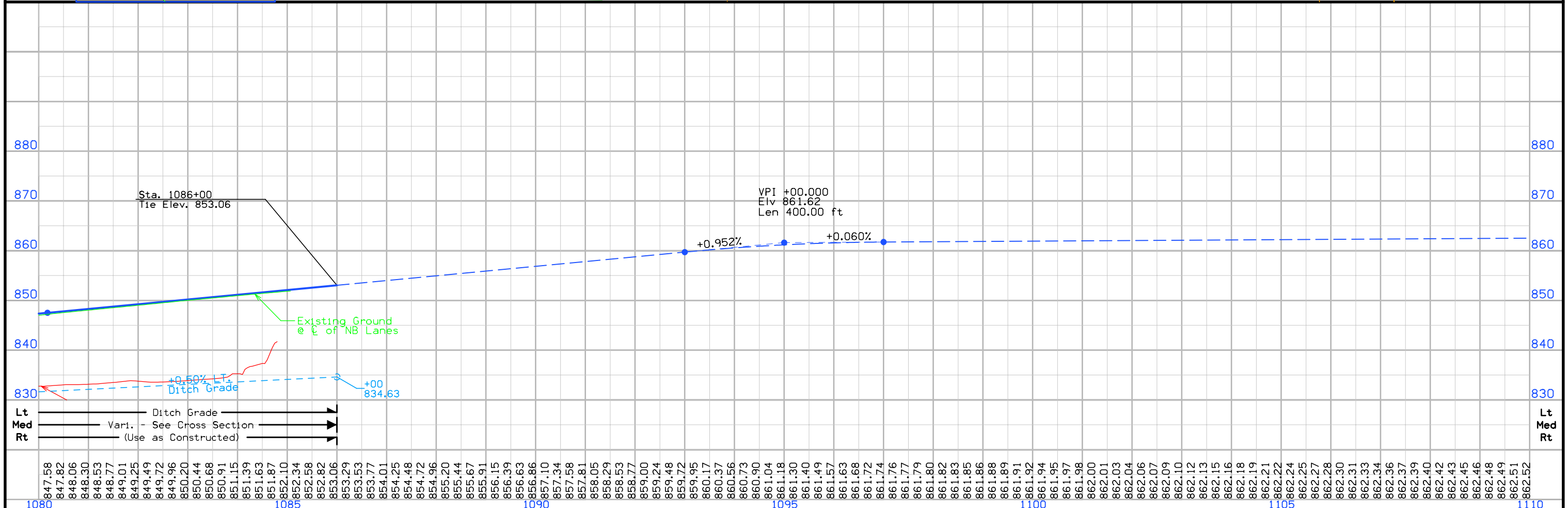
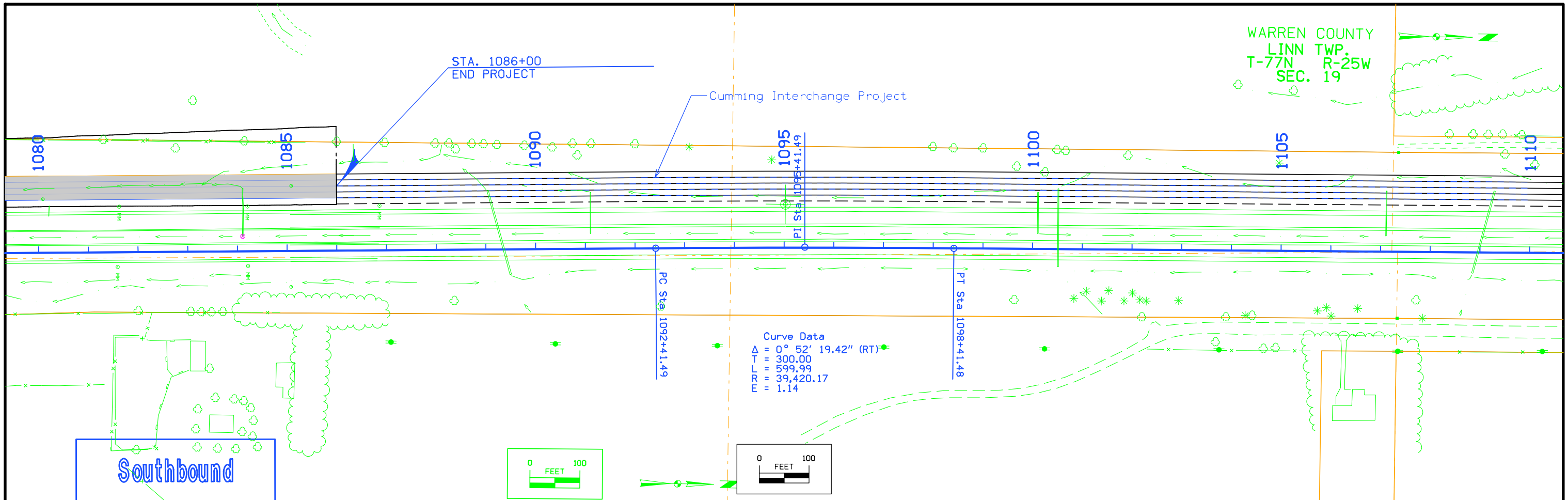
(COVERS SHEET SERIES D, E, F, & K)



00+00 VLS
Southbound







Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: Gettings/Dumdel/Gogerty
 ROW #: IMN-35-2(392)65--0E-91
 Plan Date: 10/14/11

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

For Mainline Details
 Refer to Sheet No. D.2

①
 DREAMACRES, LLC

①
 DREAMACRES, LLC

①
 DREAMACRES, LLC

WARREN COUNTY
 LINN TWP.
 T-77N R-25W
 SEC. 30

STA. 1037+00
 BEGIN PROJECT

1035+00
 ±251'±R

1039+40
 ±315'

1020

1025

1030

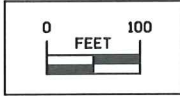
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1040

1045

Southbound

JAMES J. WATTS



MERLE R. GULL




②

WELCH ENTERPRISES, LLC

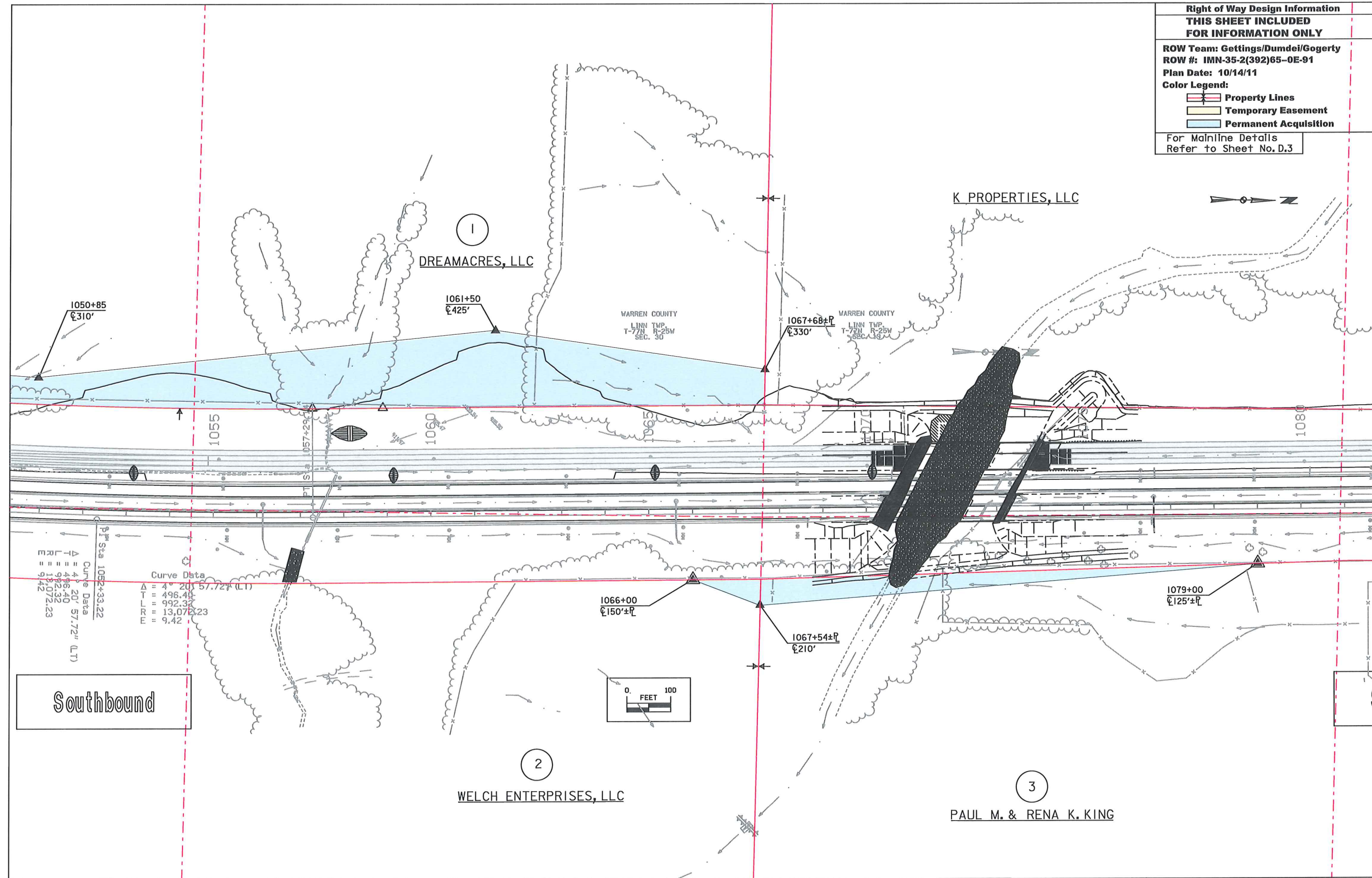
Curve Data
 $\Delta = 4^{\circ} 20' 57.72''$ (LT)
 T = 496.40
 L = 992.32
 R = 13,072.23
 E = 9.42

Right of Way Design Information
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FOR INFORMATION ONLY

ROW Team: Gettings/Dumdei/Gogerty
ROW #: IMN-35-2(392)65-0E-91
Plan Date: 10/14/11

Color Legend:
 Property Lines
 Temporary Easement
 Permanent Acquisition

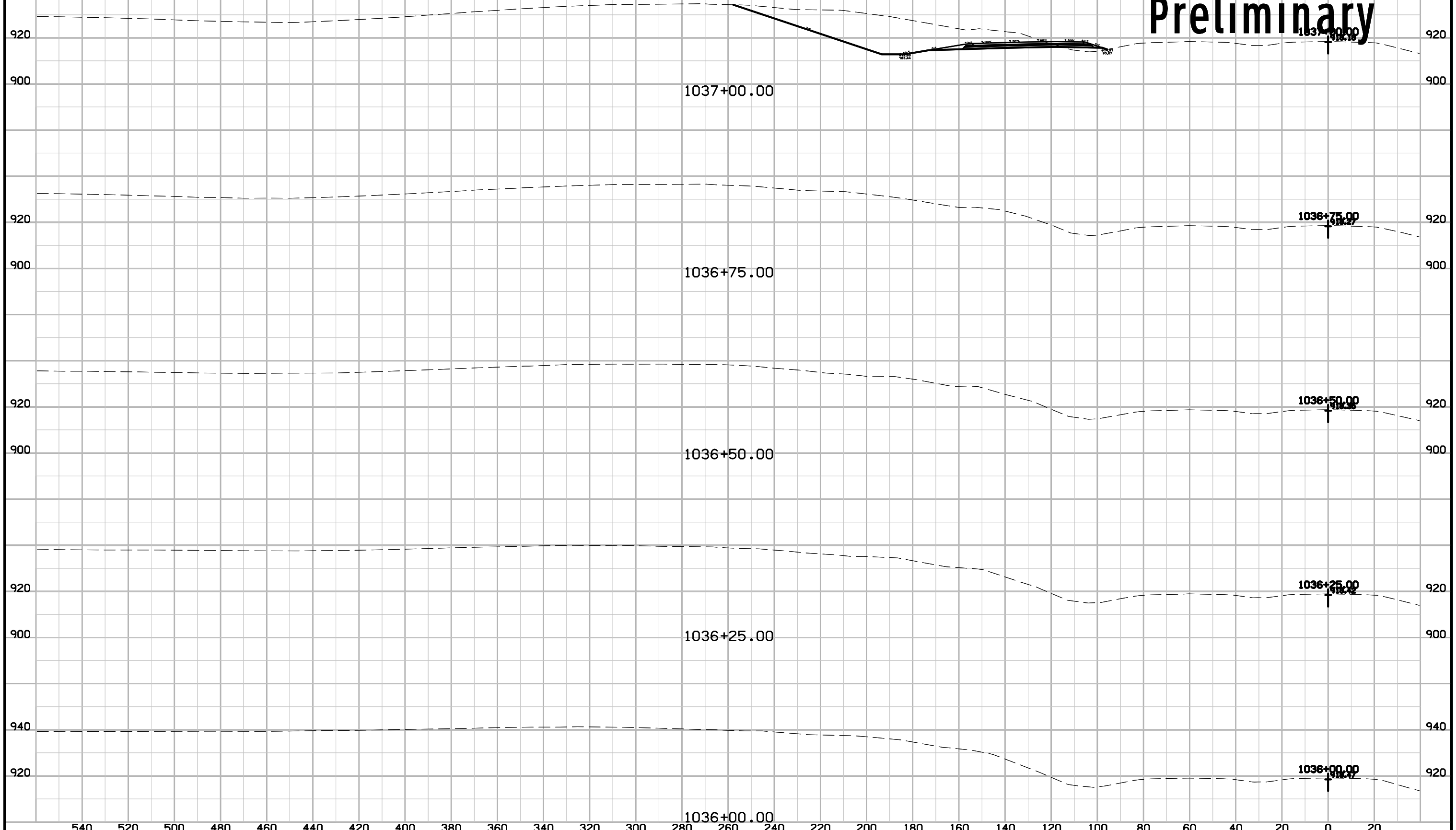
For Mainline Details
Refer to Sheet No. D.3



Southbound

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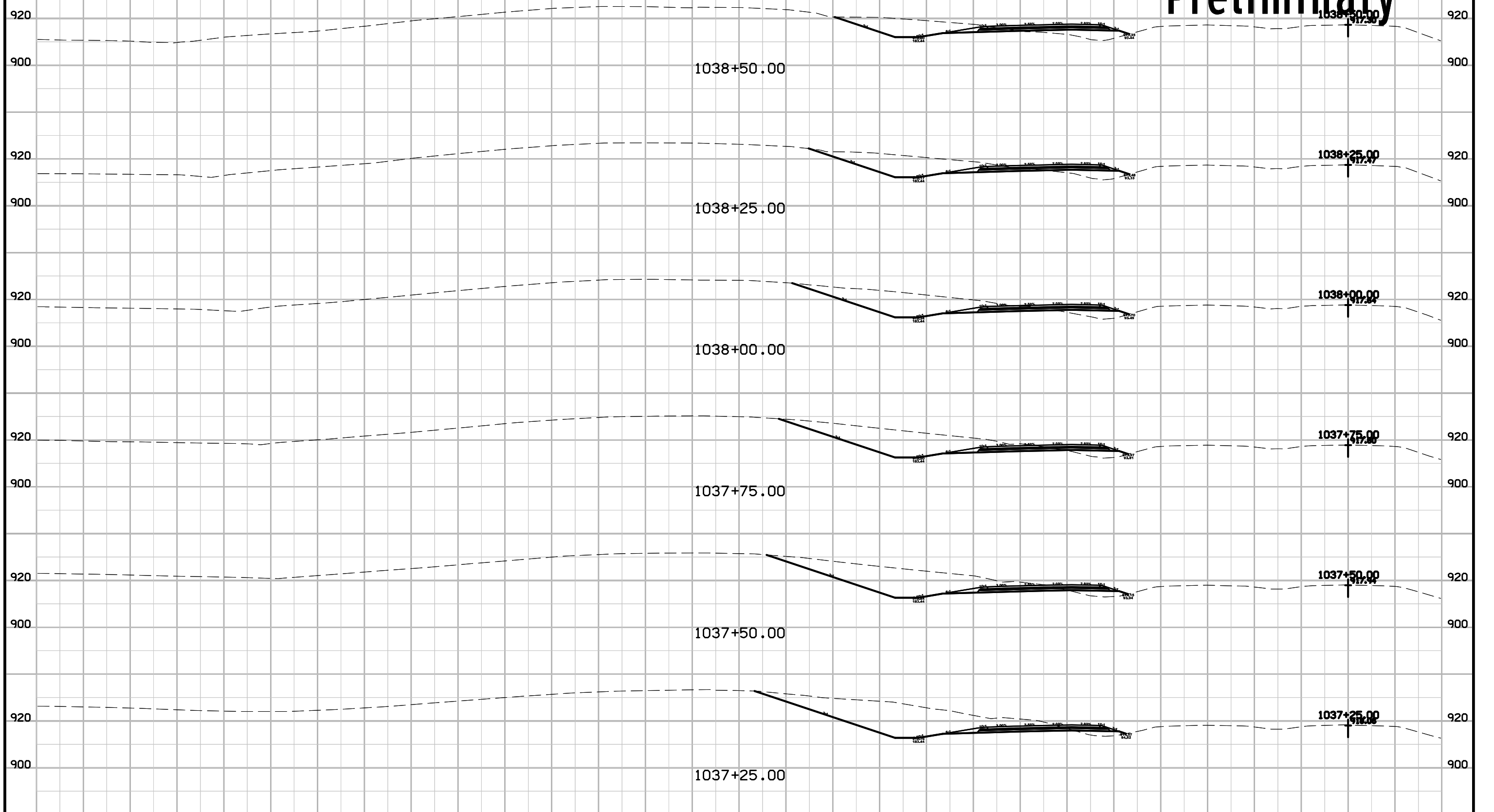
Badger Creek - SB Lanes Preliminary



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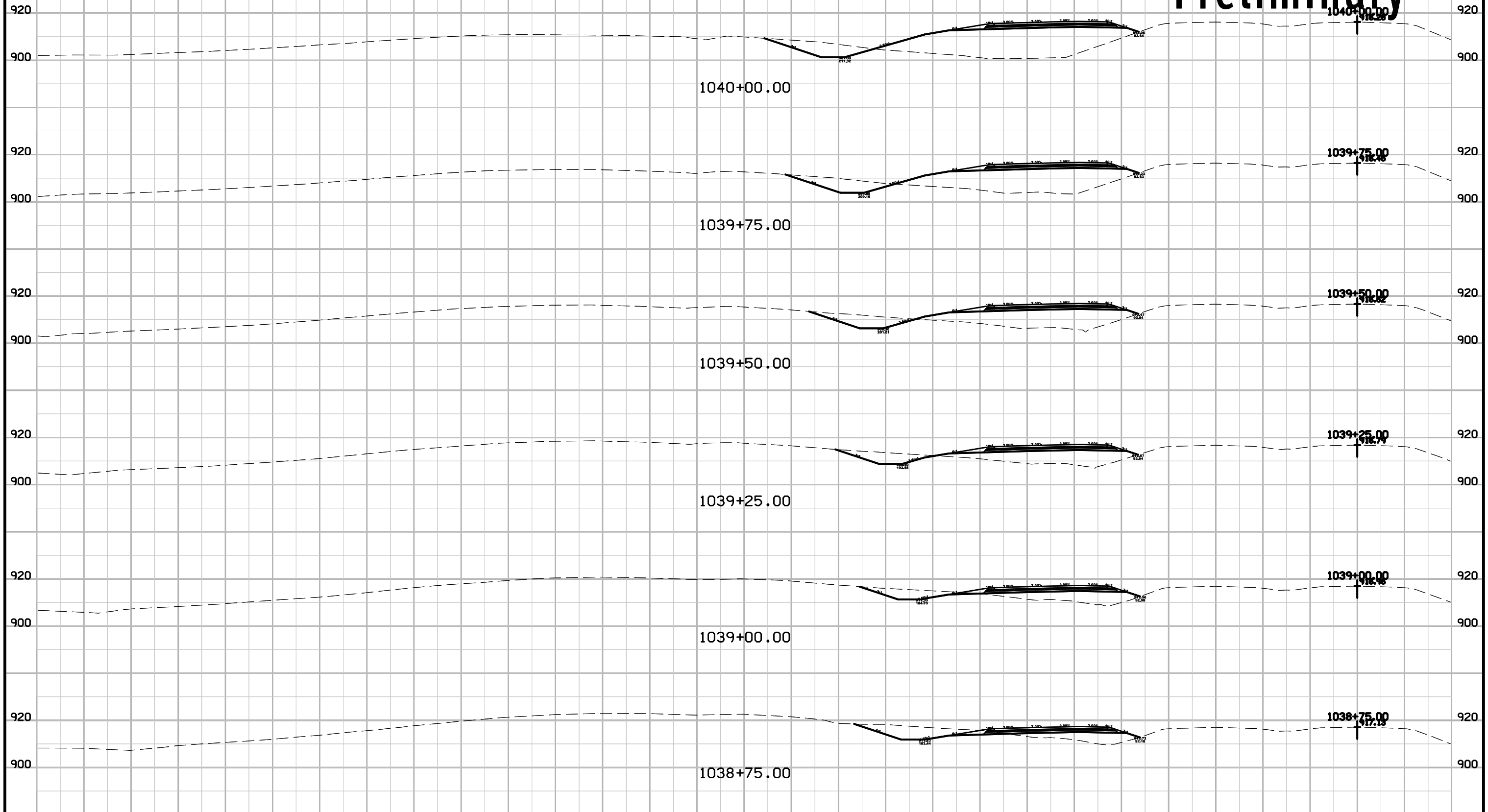
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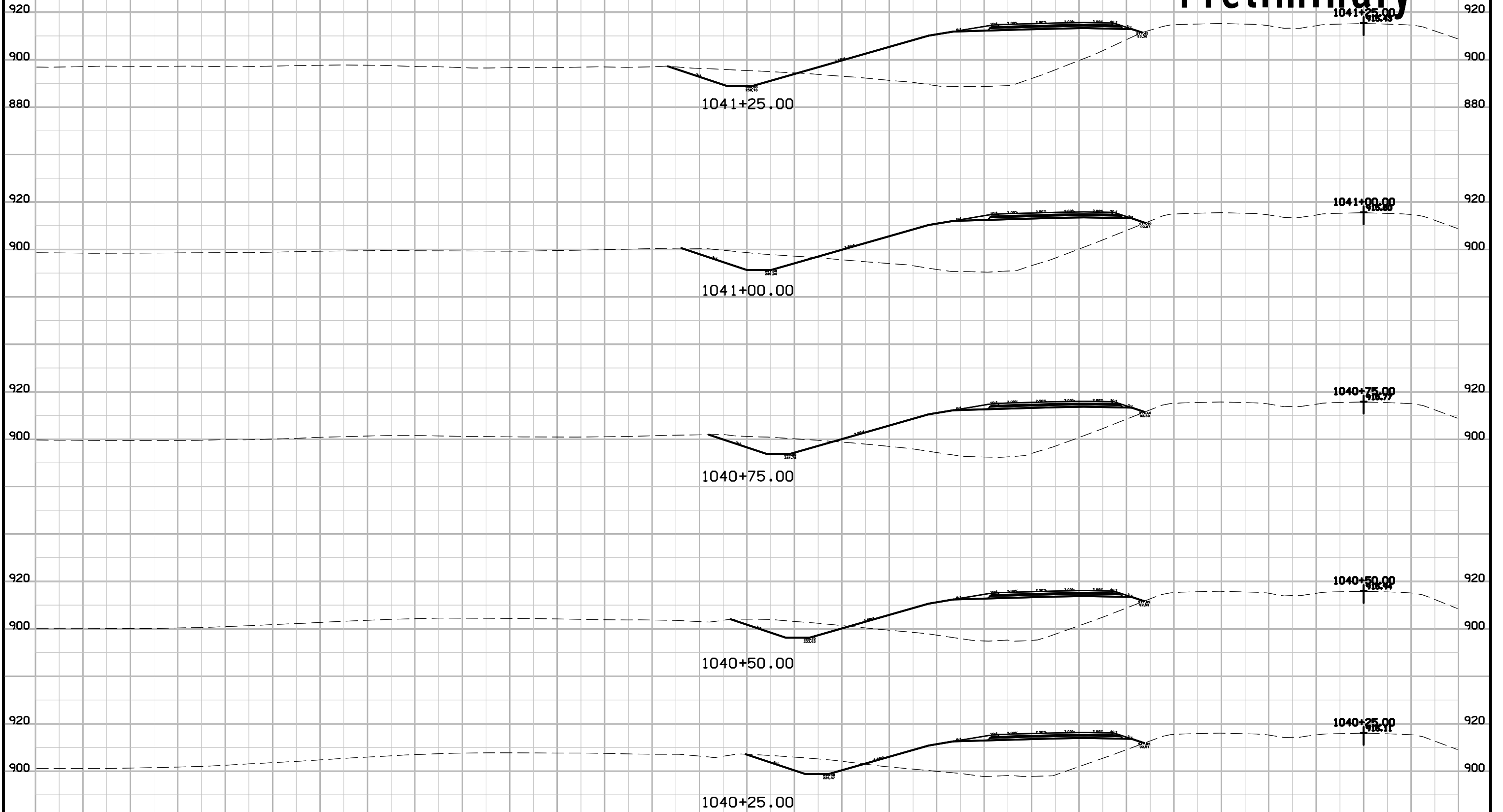
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Badger Creek - SB Lanes Preliminary



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ENGLISH IOWA DOT DESIGN TEAM **J1a\Hoskins**

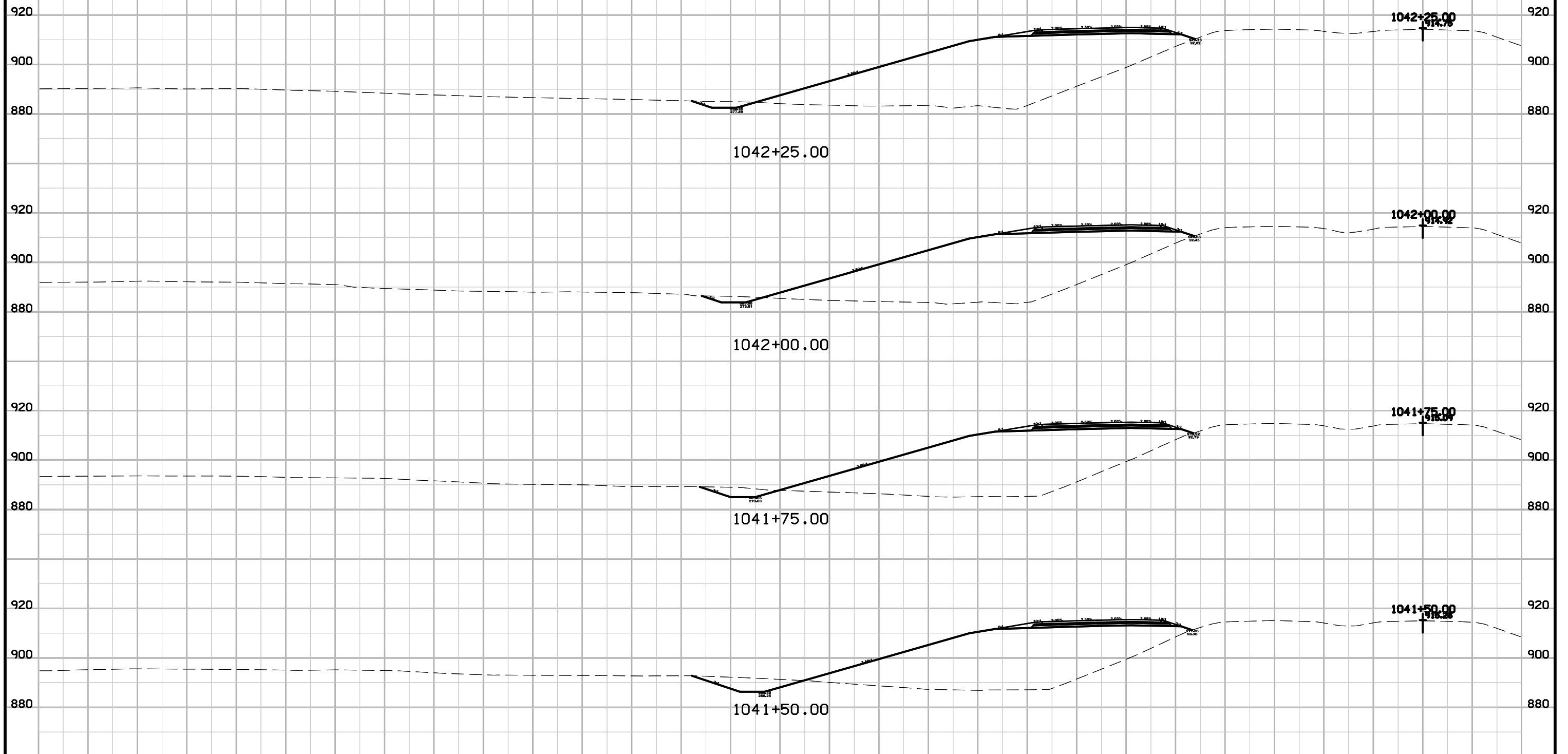
Warren COUNTY

PROJECT NUMBER **IM-035-2(357)63--13-91**

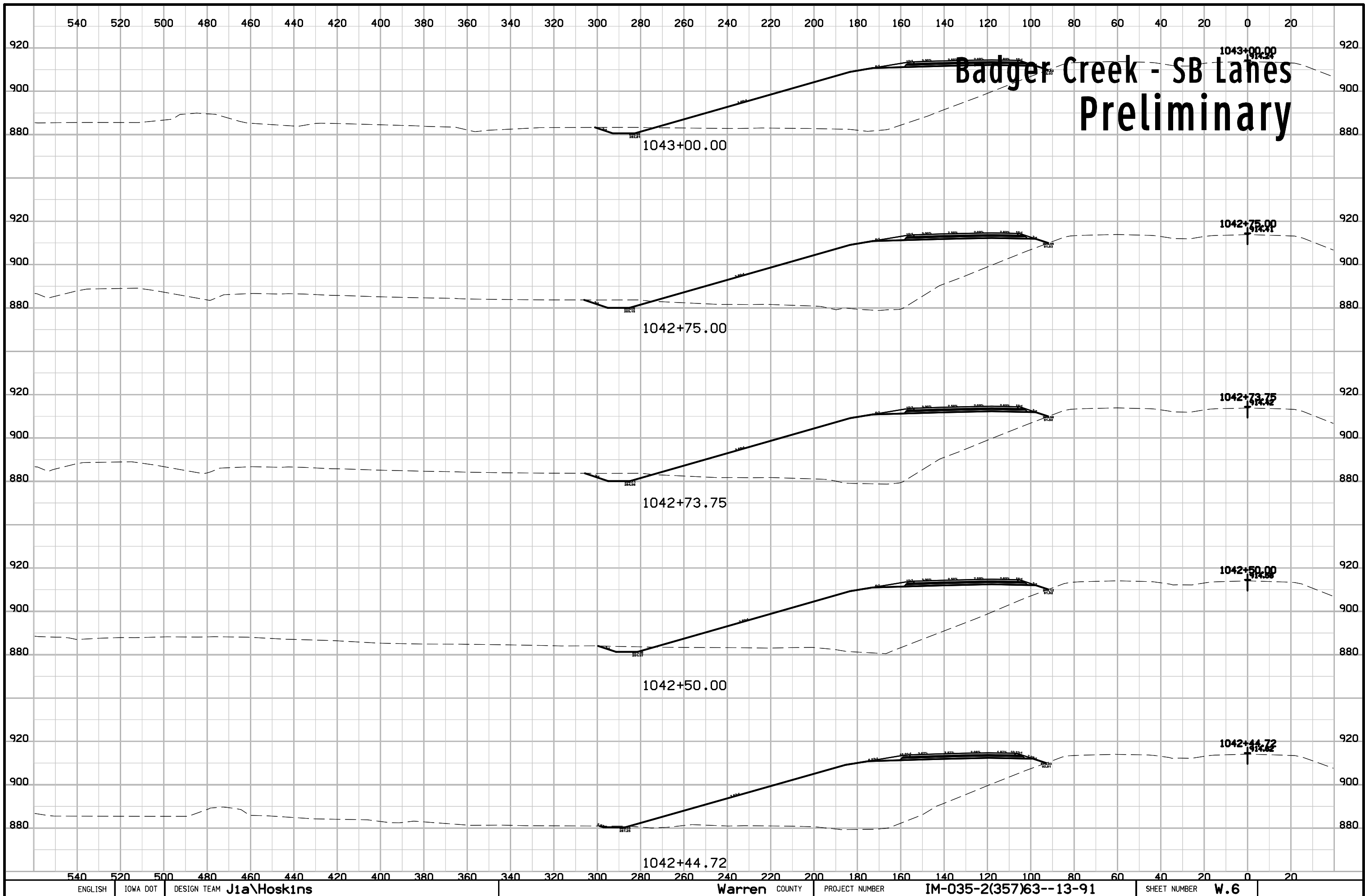
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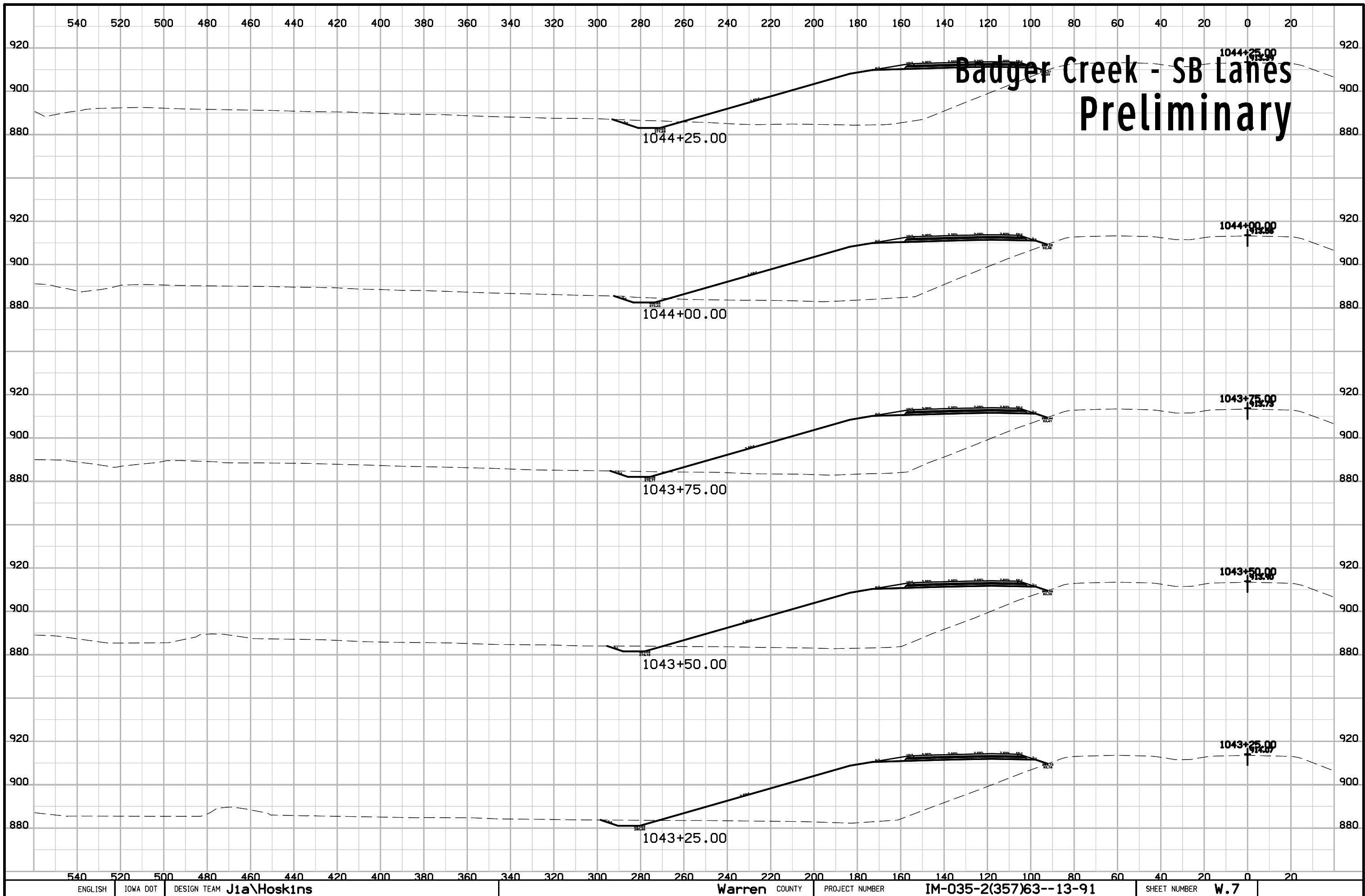
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Badger Creek - SB Lanes Preliminary



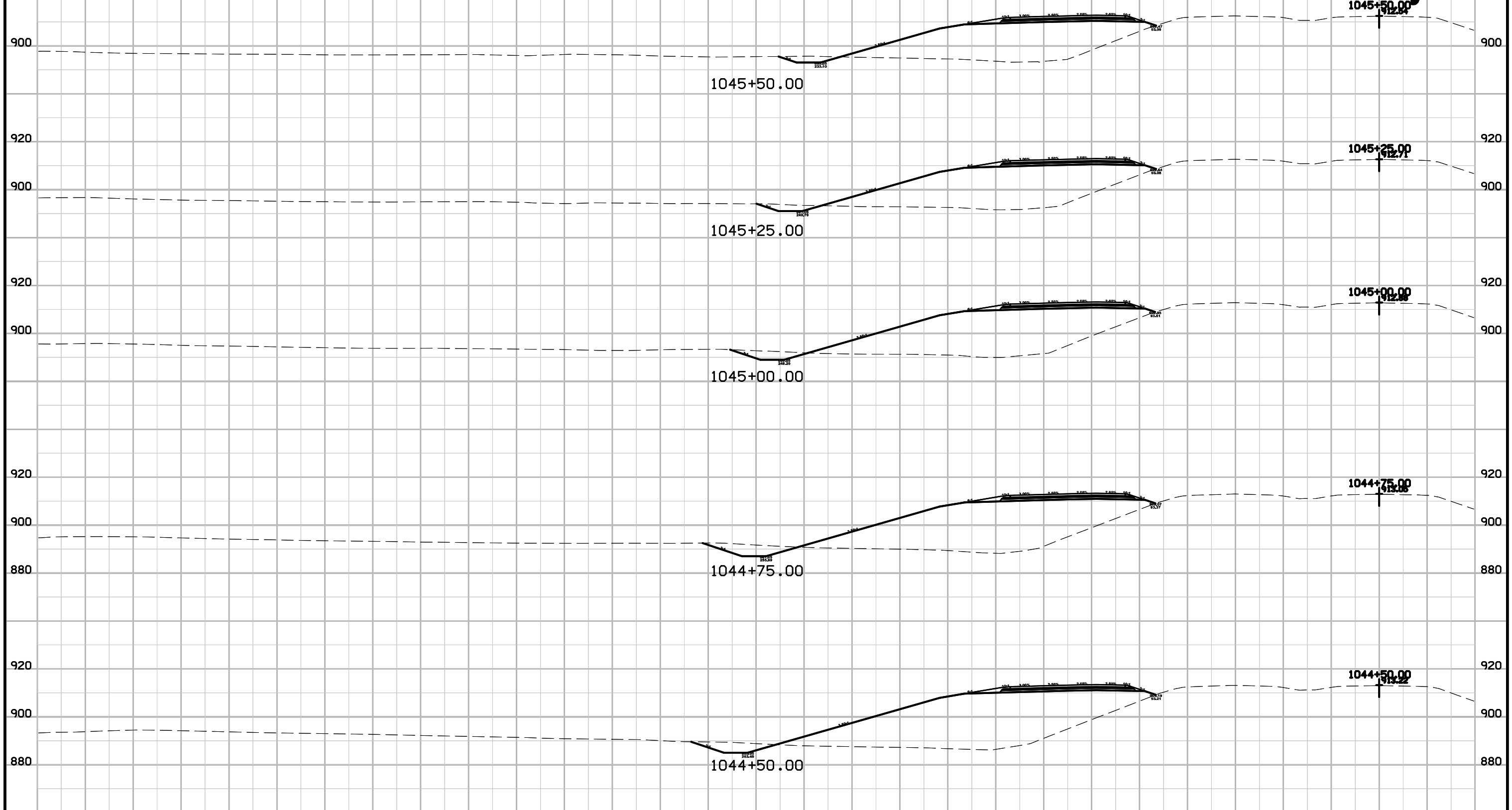
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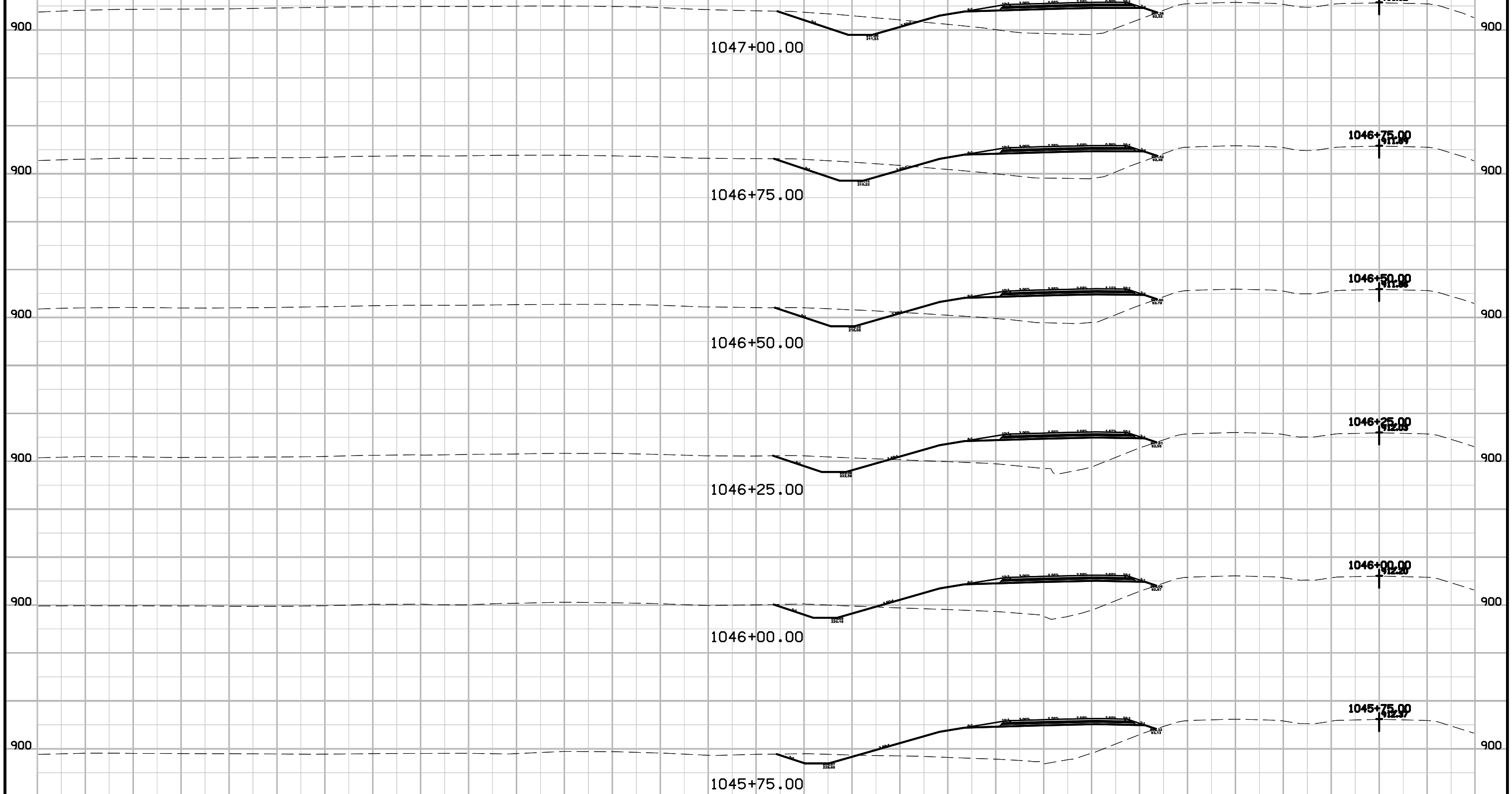
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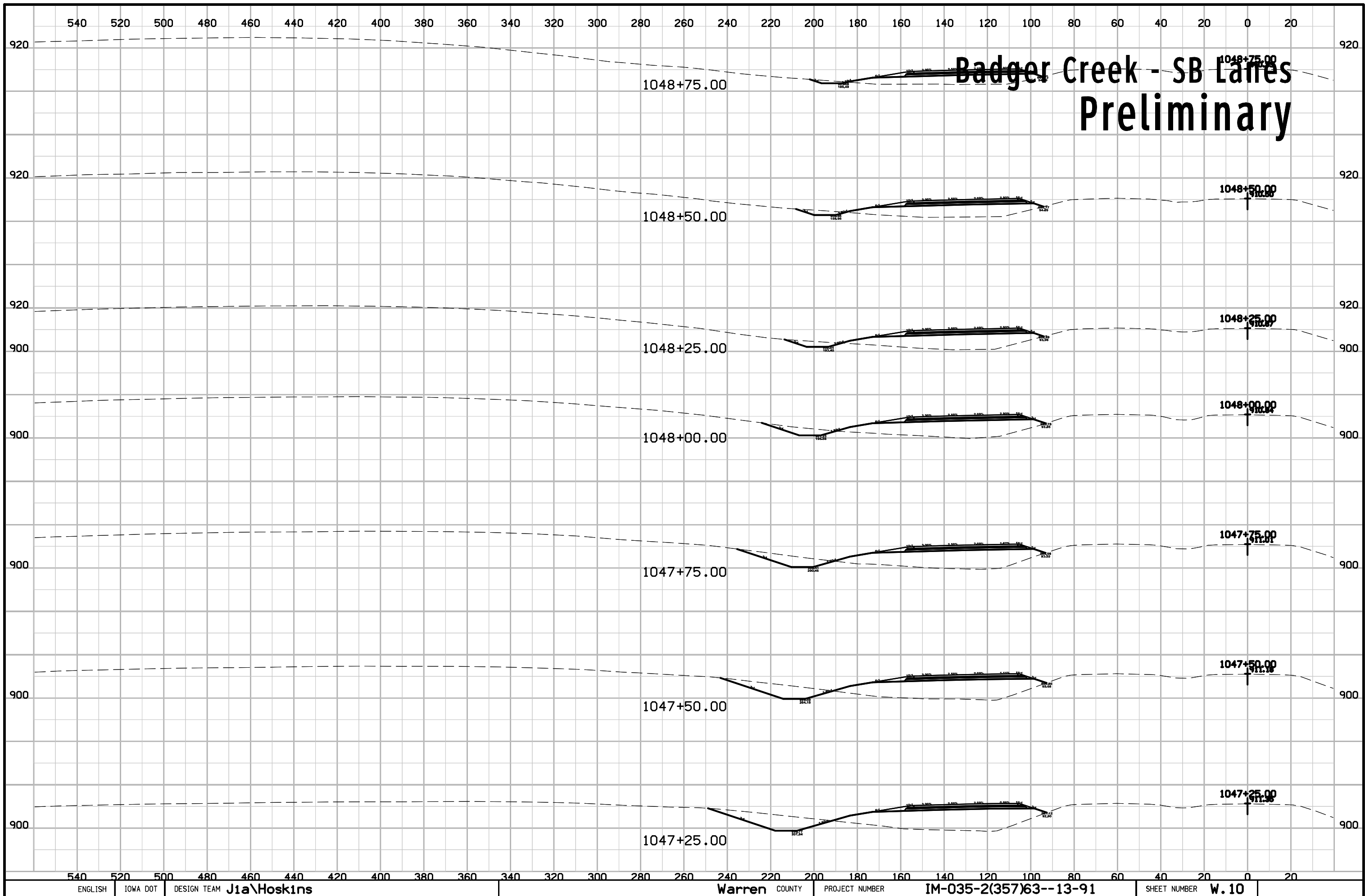
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Badger Creek - SB Lanes Preliminary

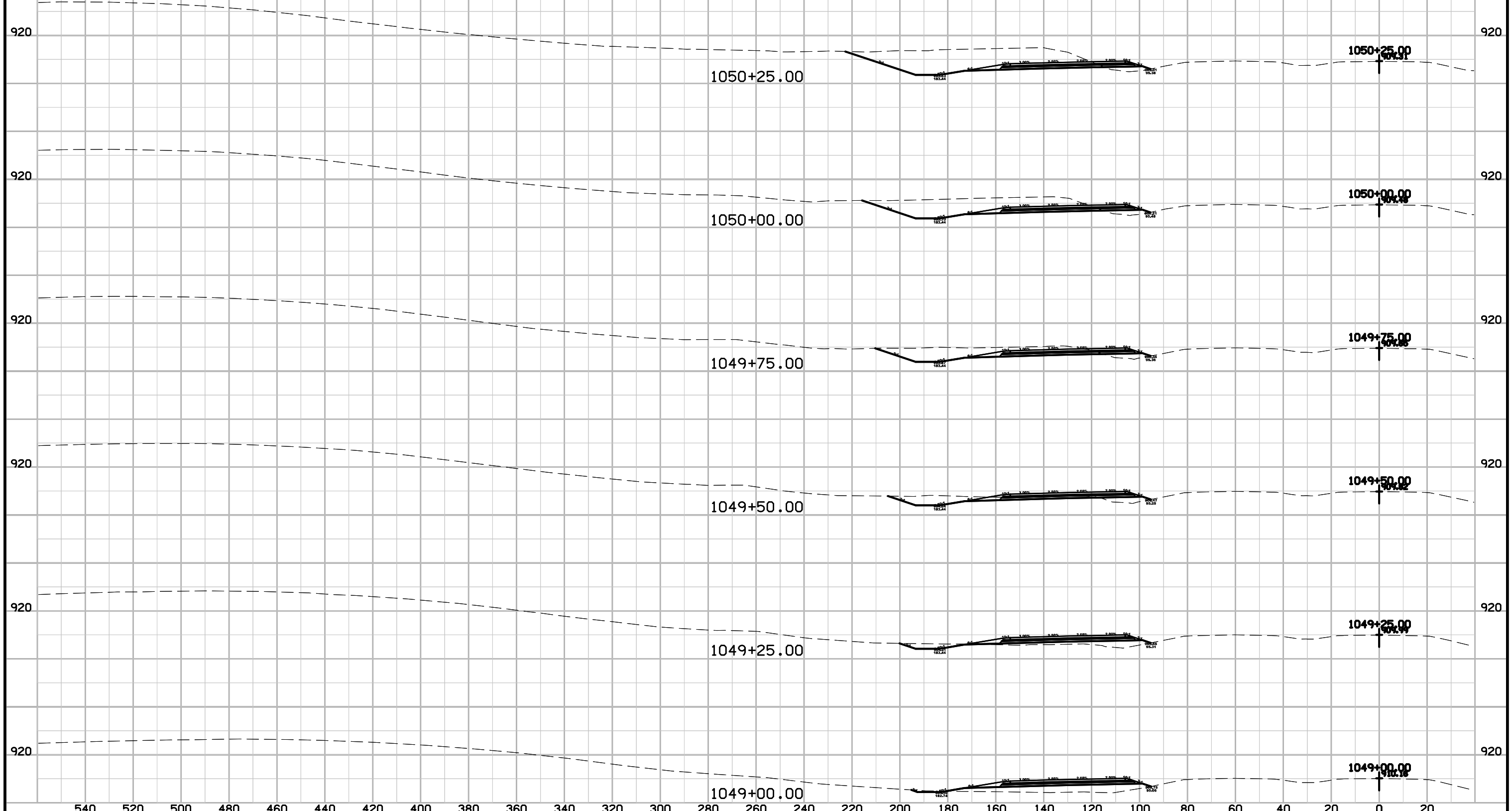


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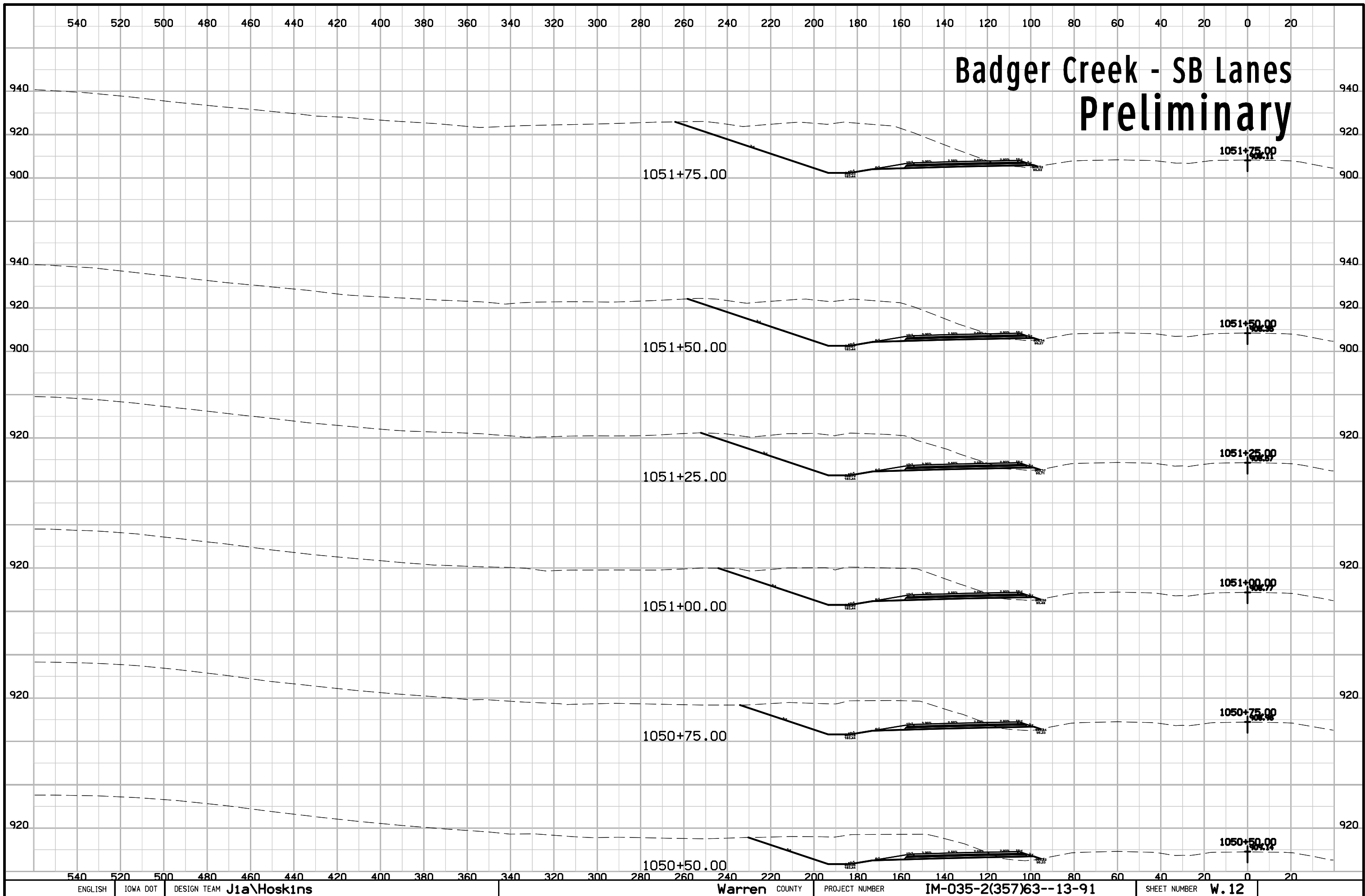


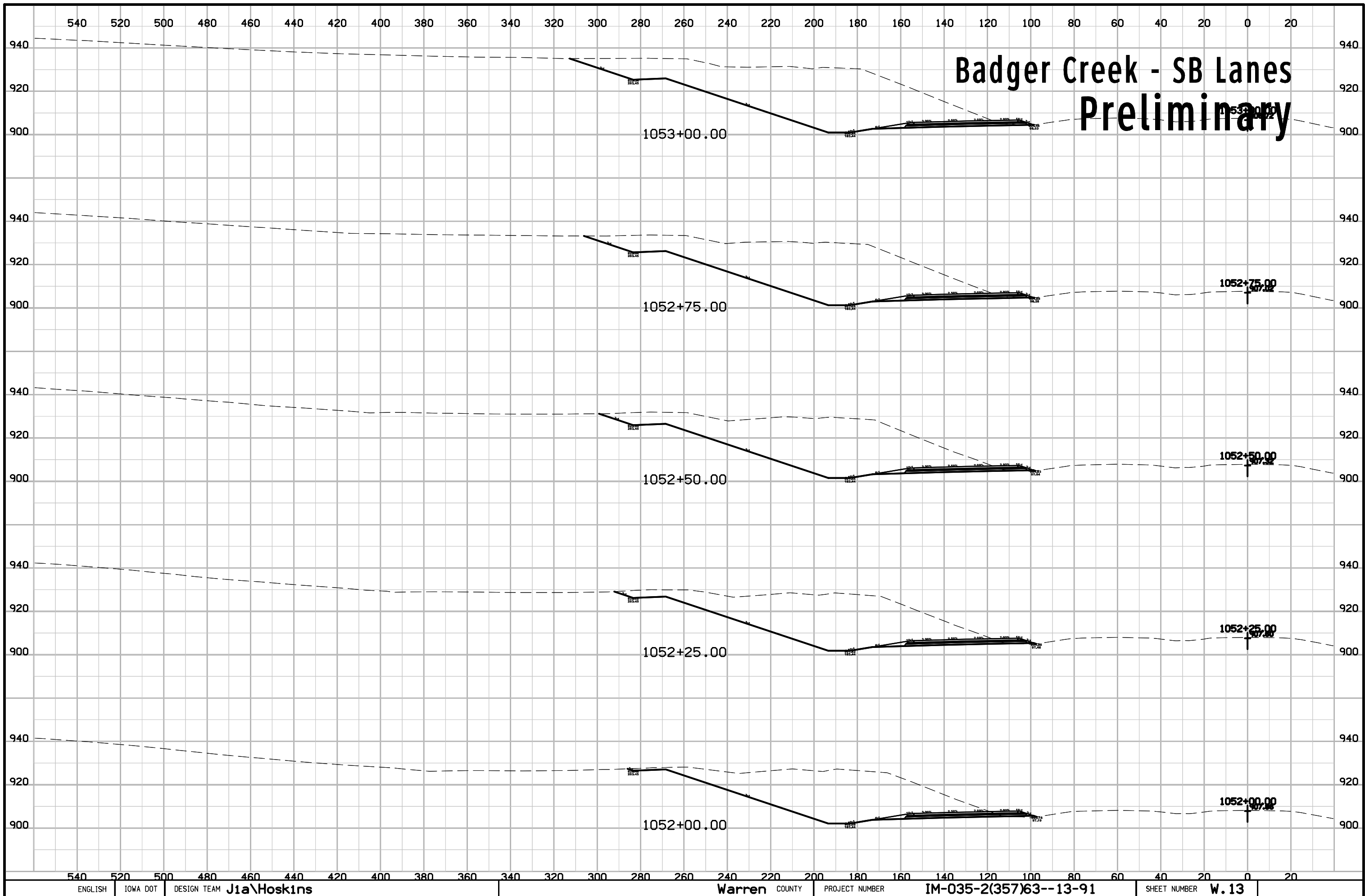
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Badger Creek - SB Lanes Preliminary

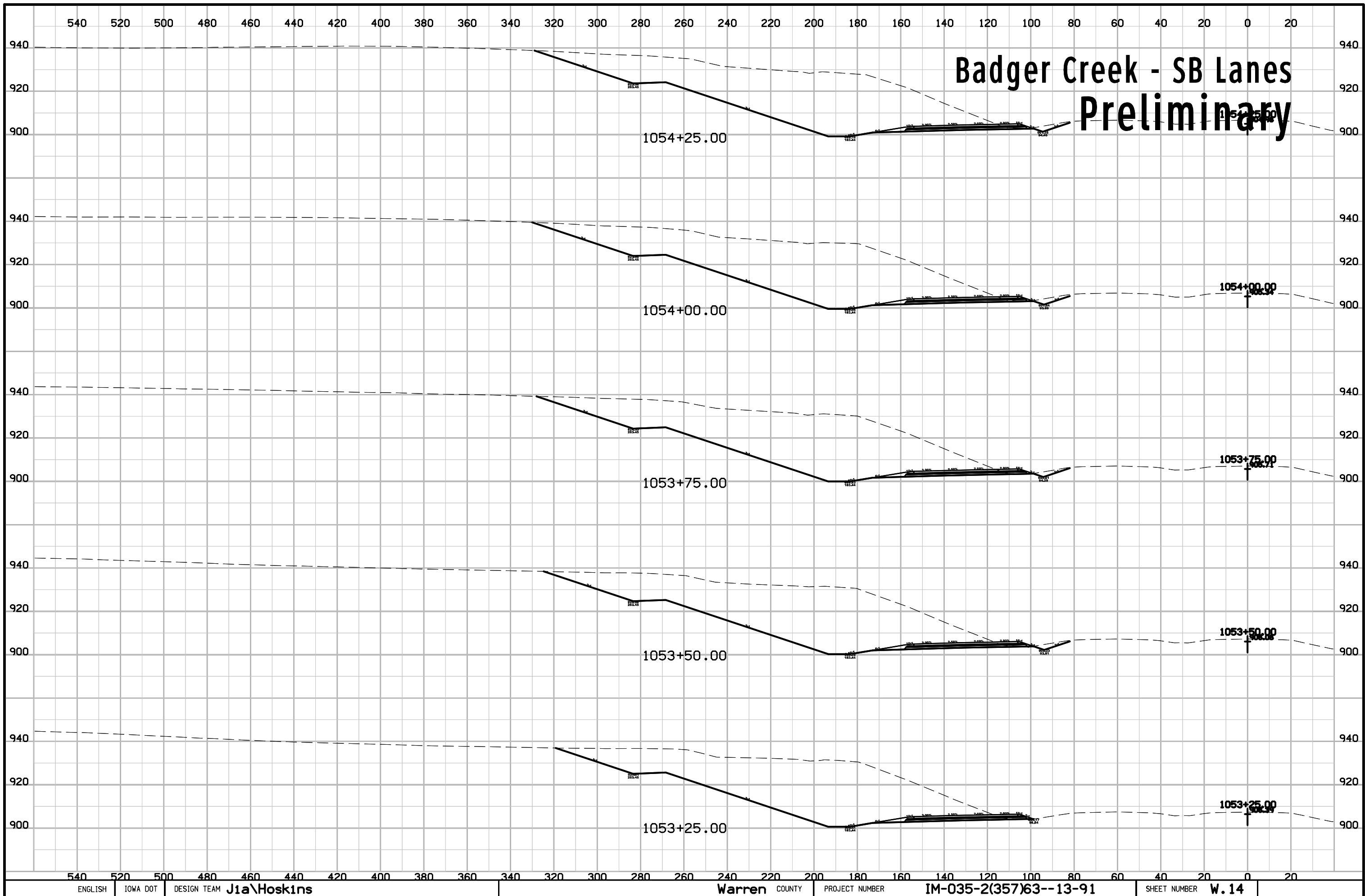


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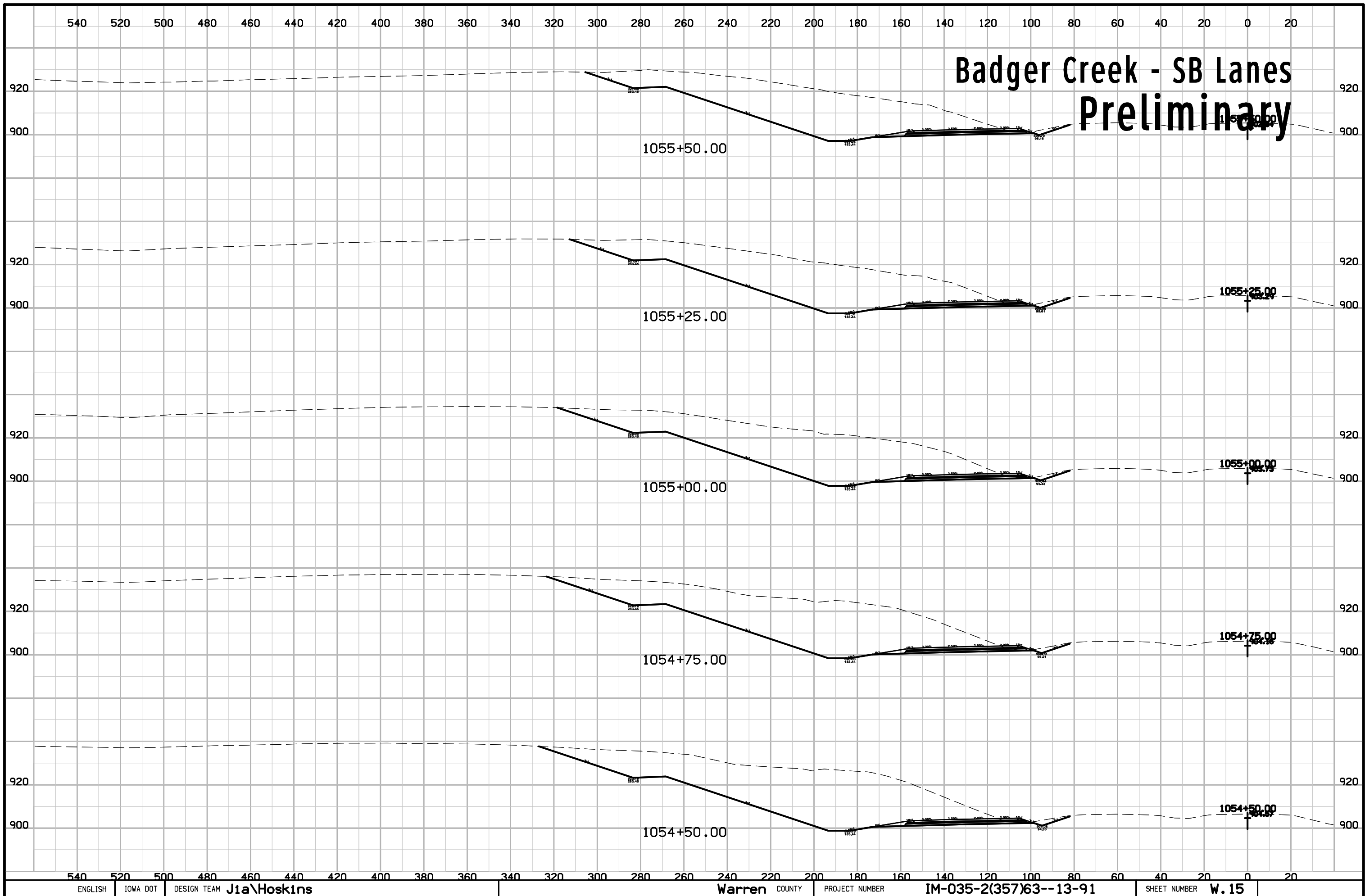


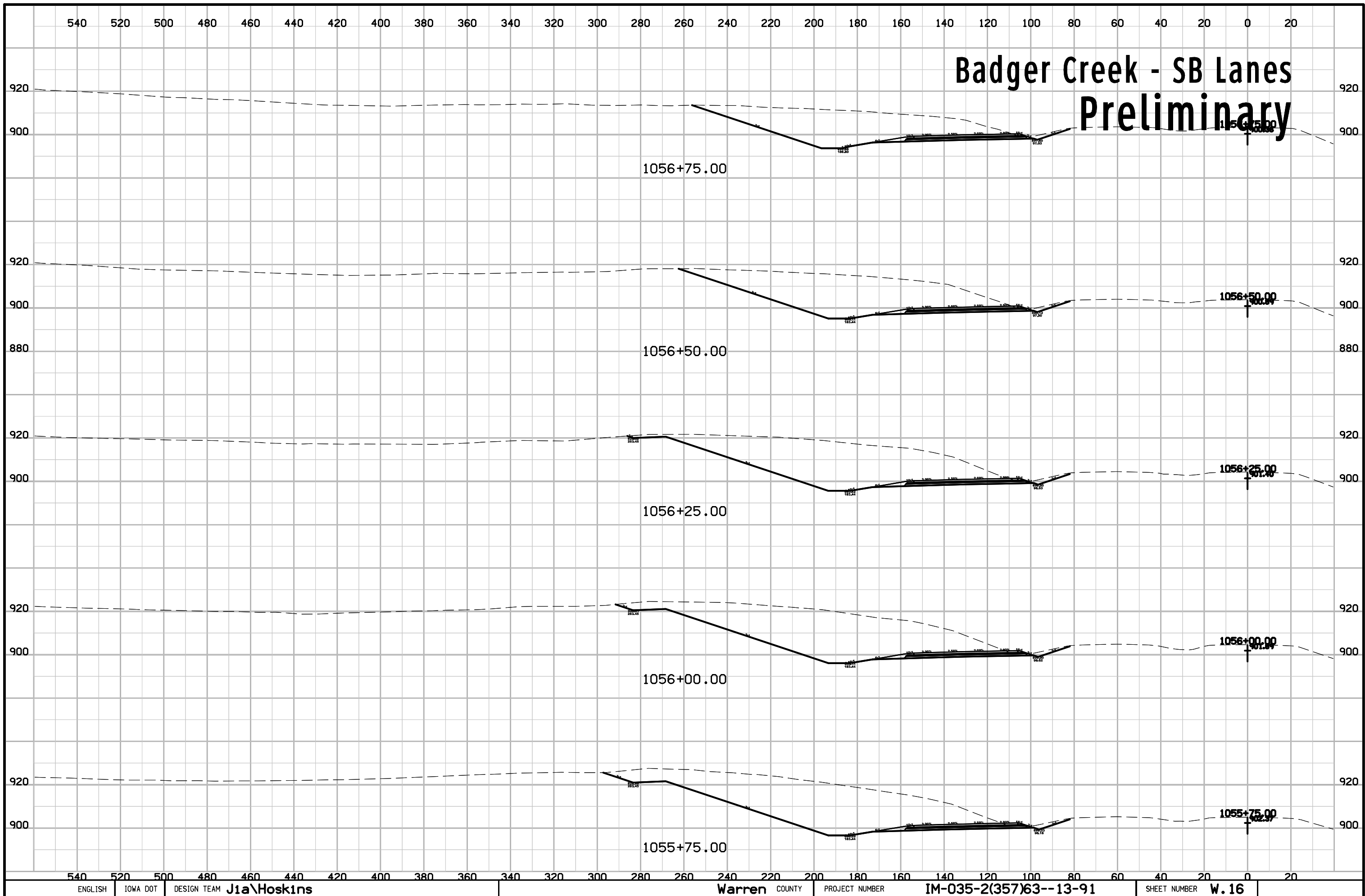


Badger Creek - SB Lanes Preliminary



Badger Creek - SB Lanes Preliminary





Badger Creek - SB Lanes Preliminary

1056+75.00

1056+50.00

1056+25.00

1056+00.00

1055+75.00

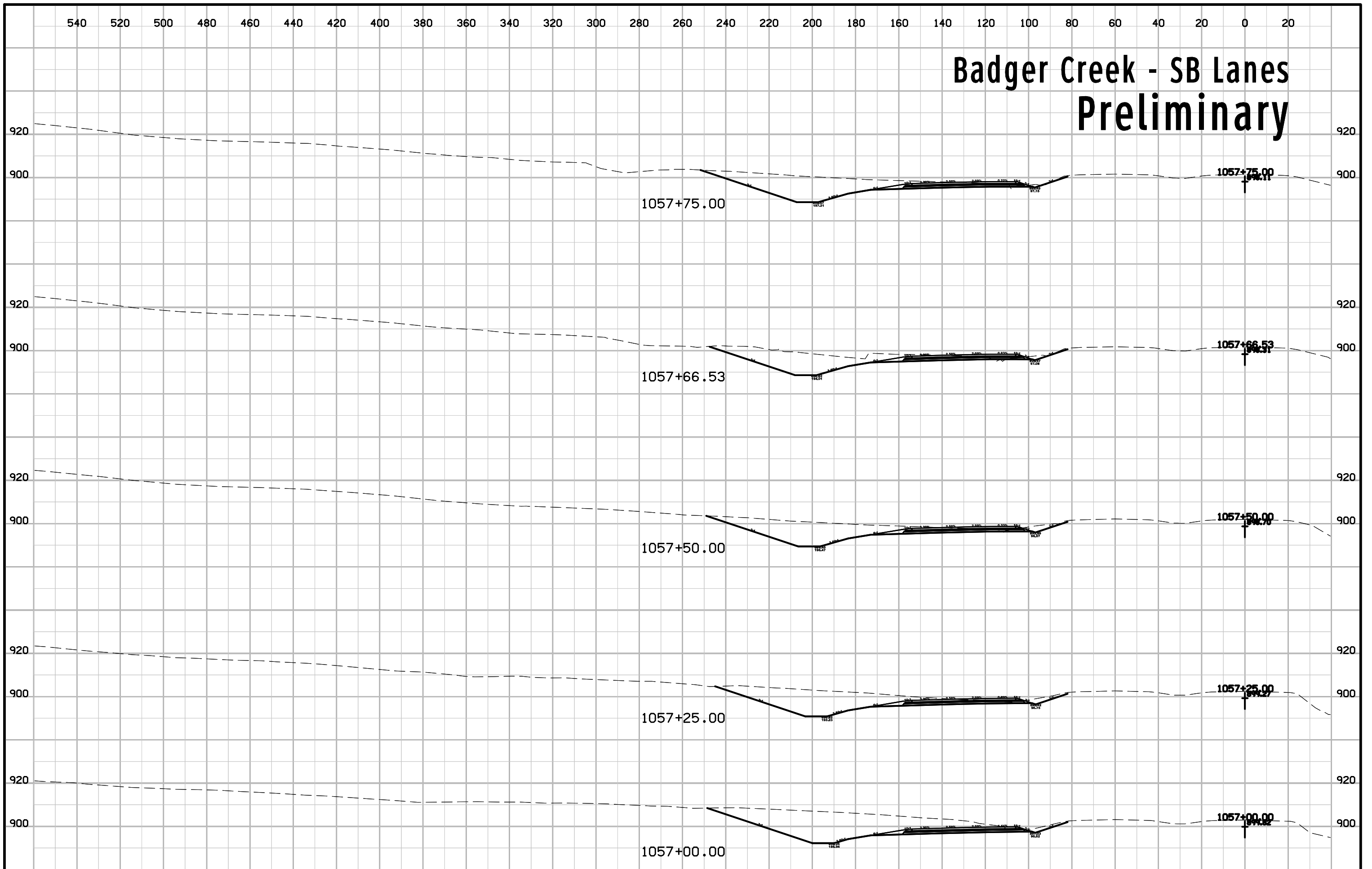
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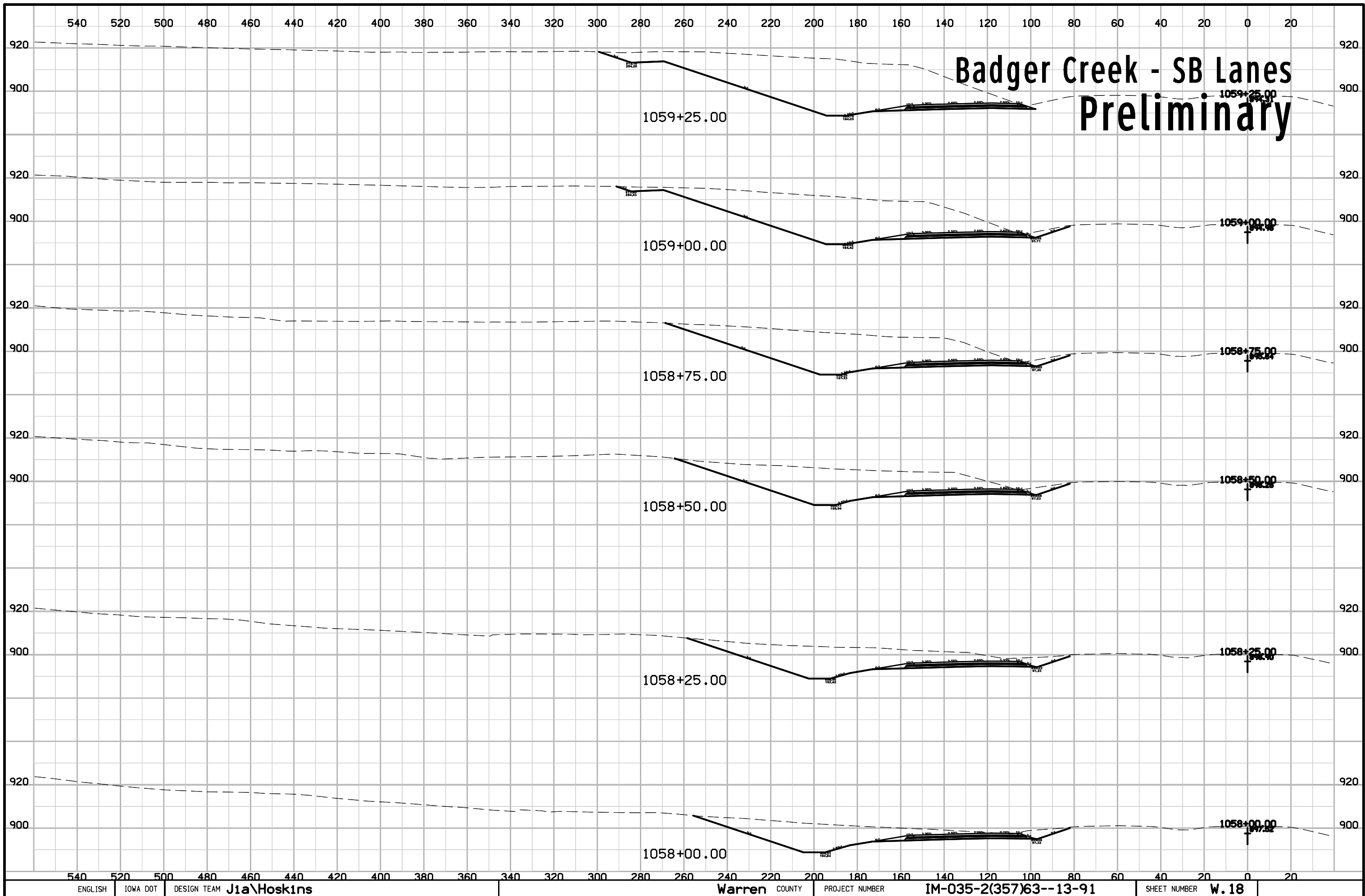
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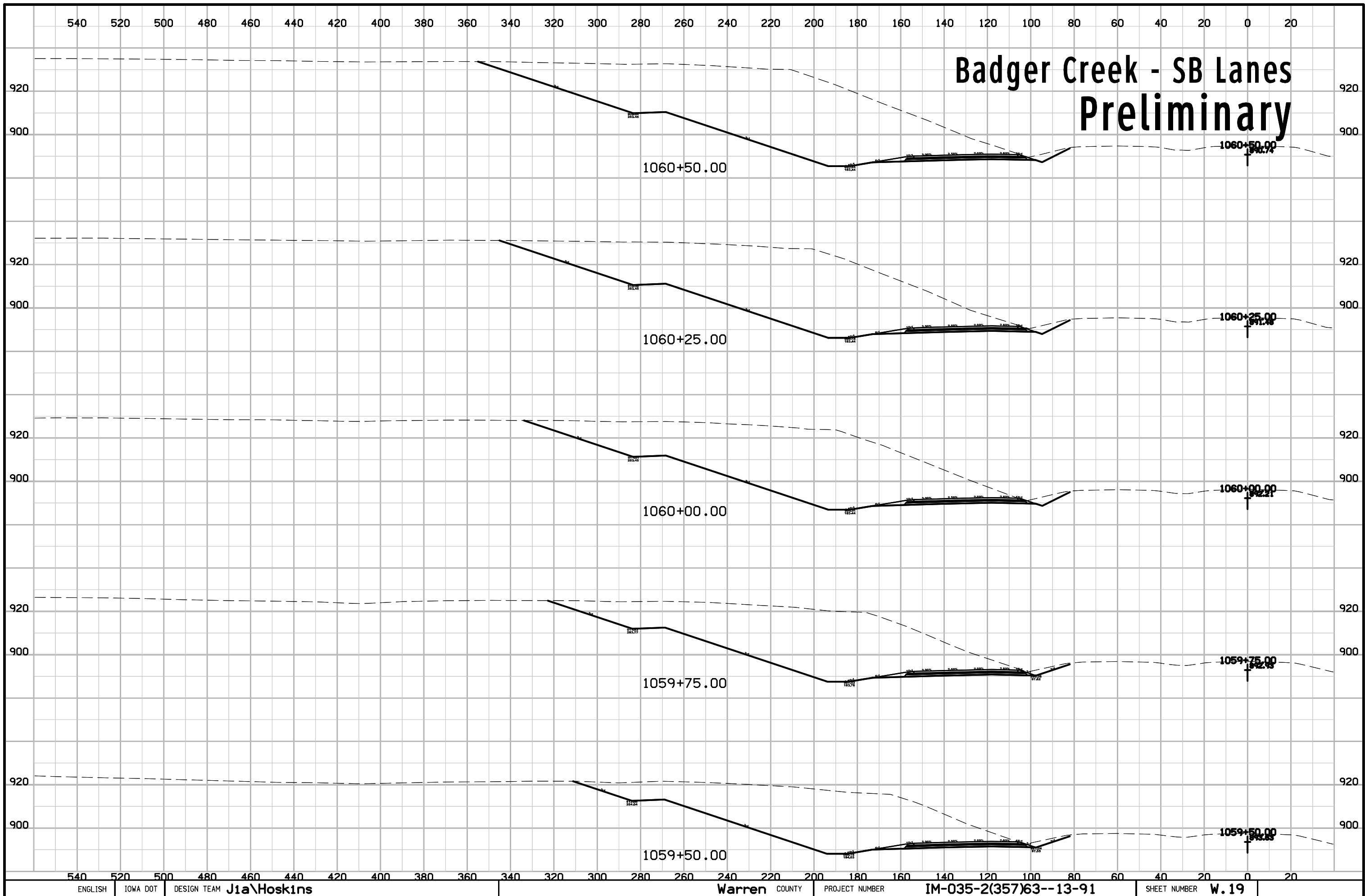
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1055+75.00

Badger Creek - SB Lanes Preliminary

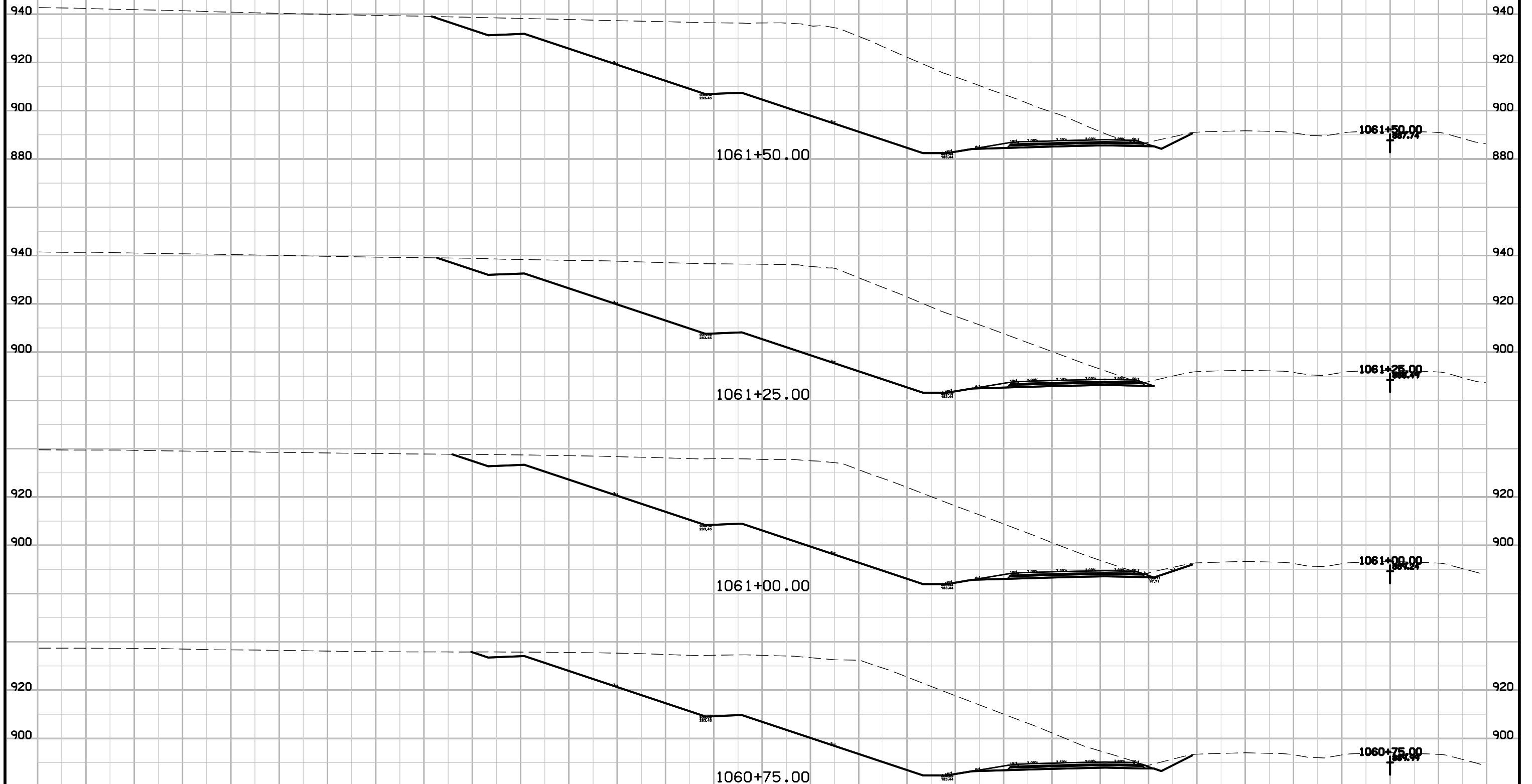


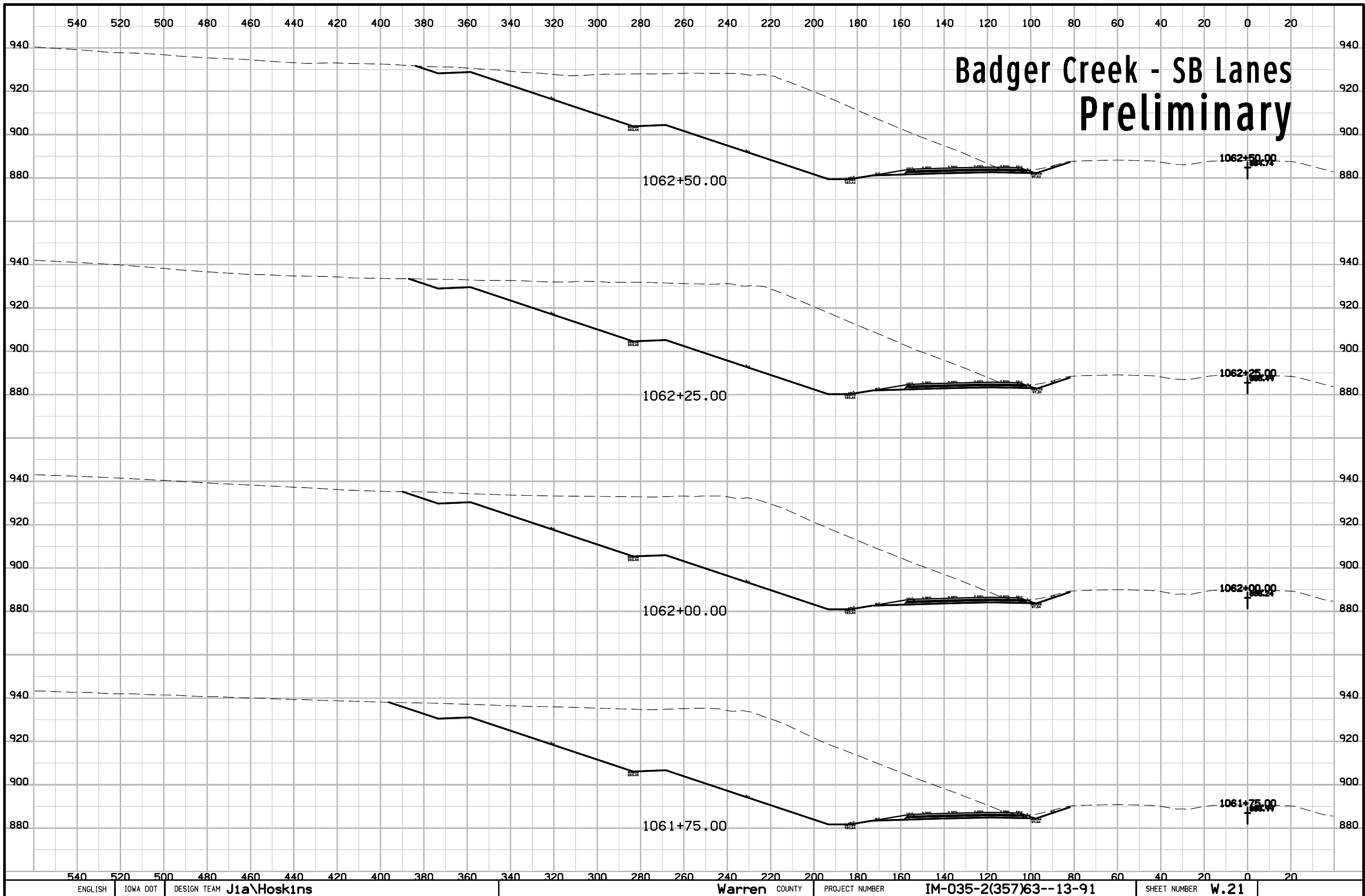


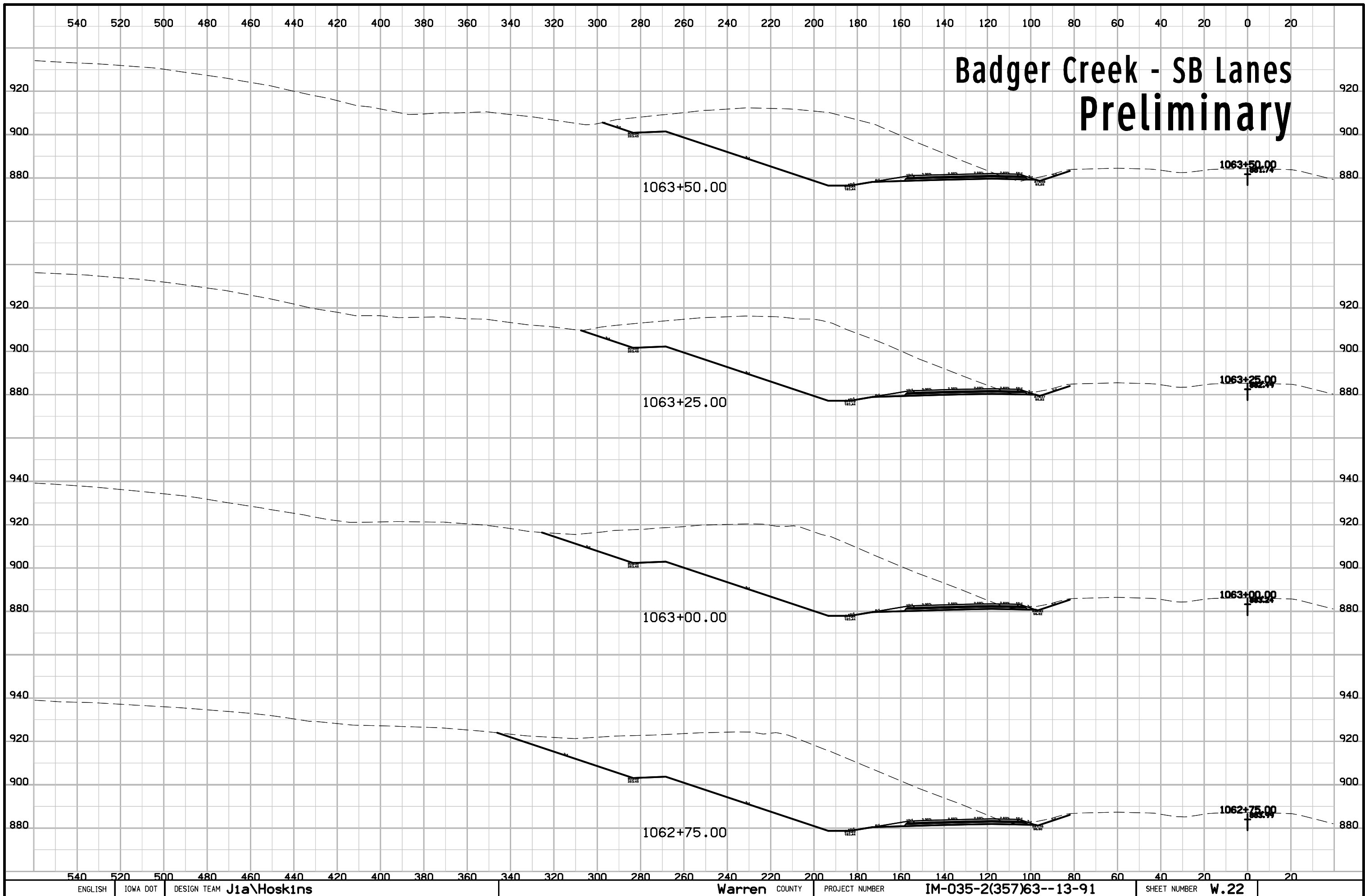


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Badger Creek - SB Lanes Preliminary

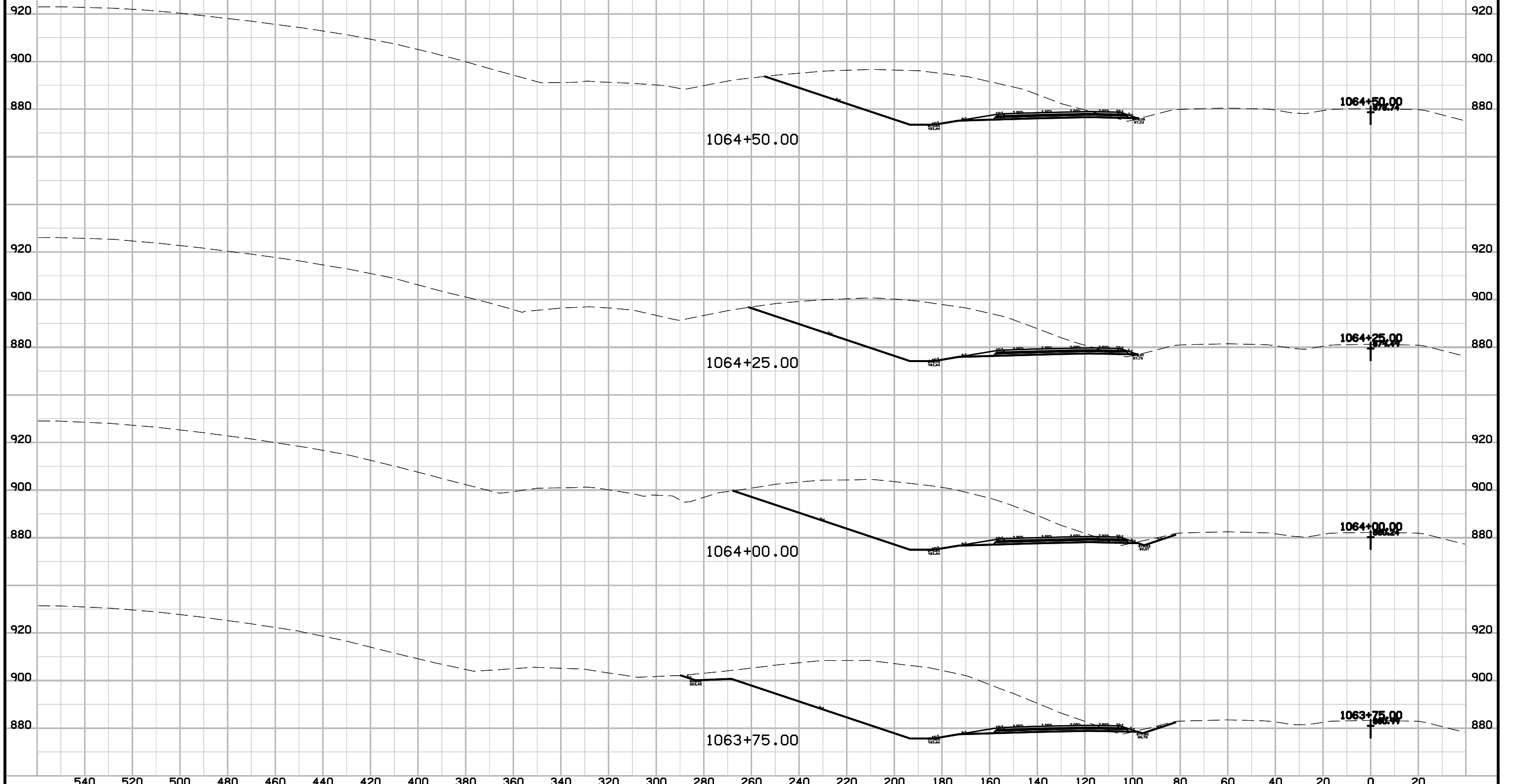






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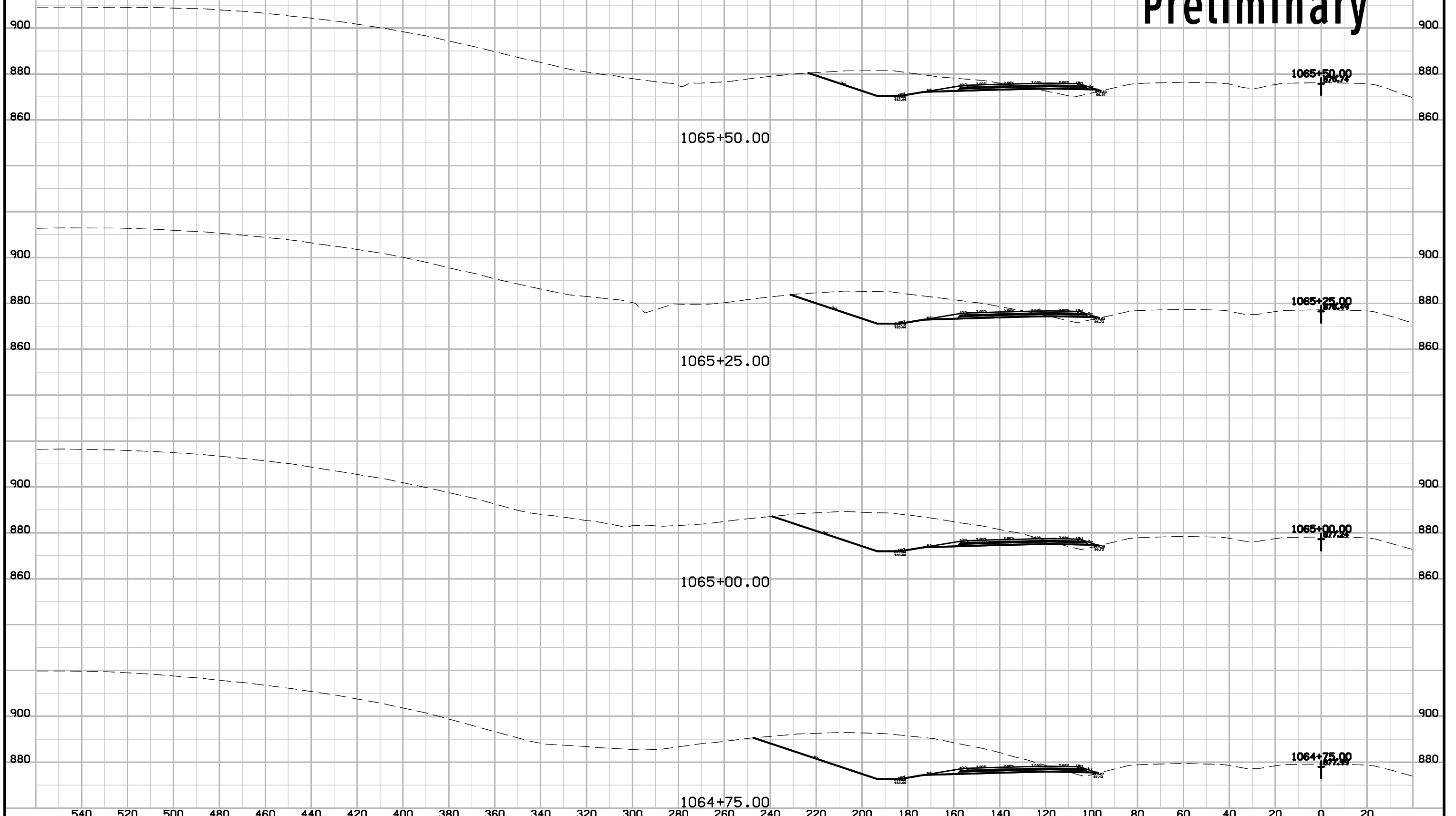
Badger Creek - SB Lanes Preliminary



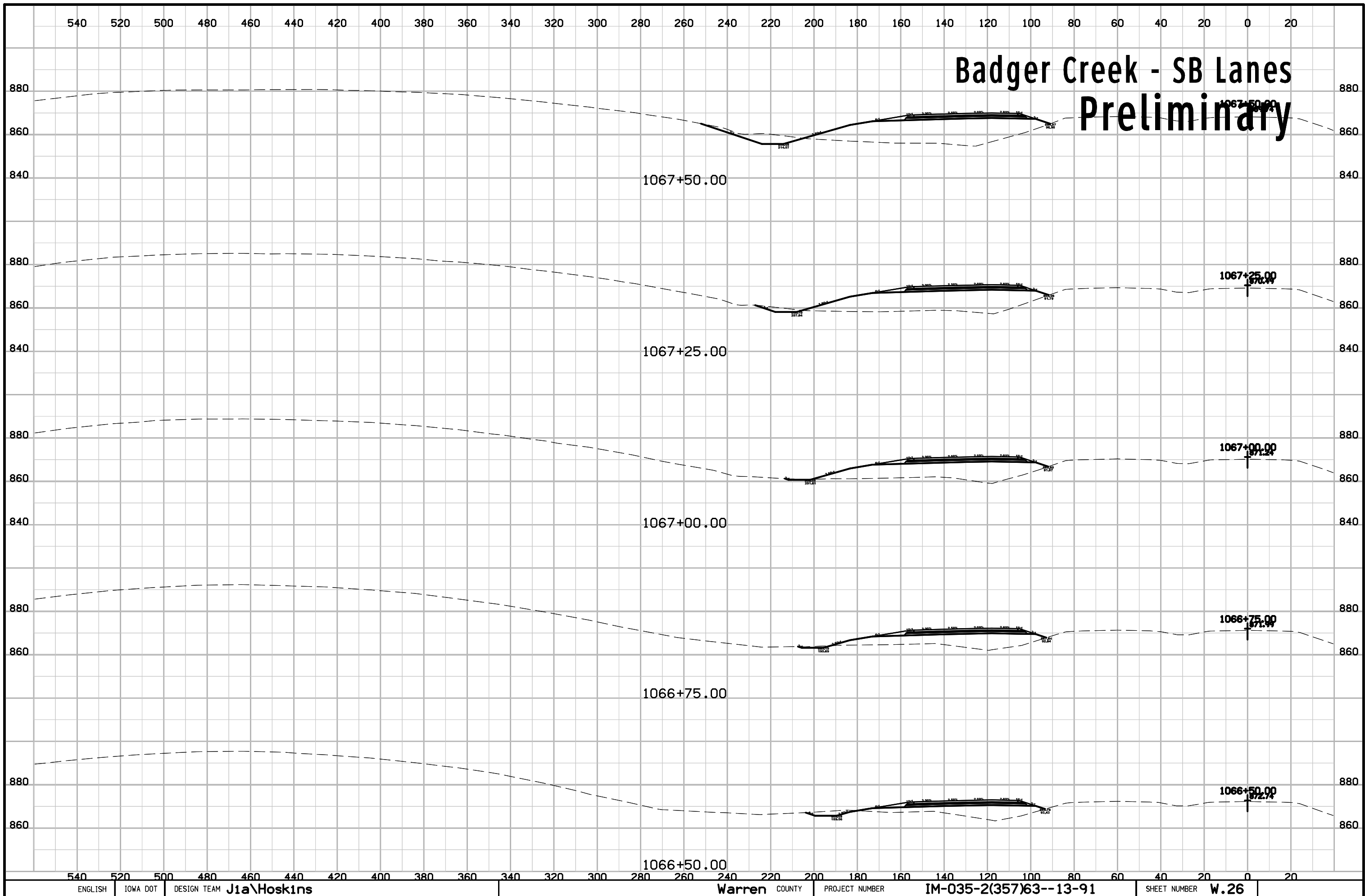
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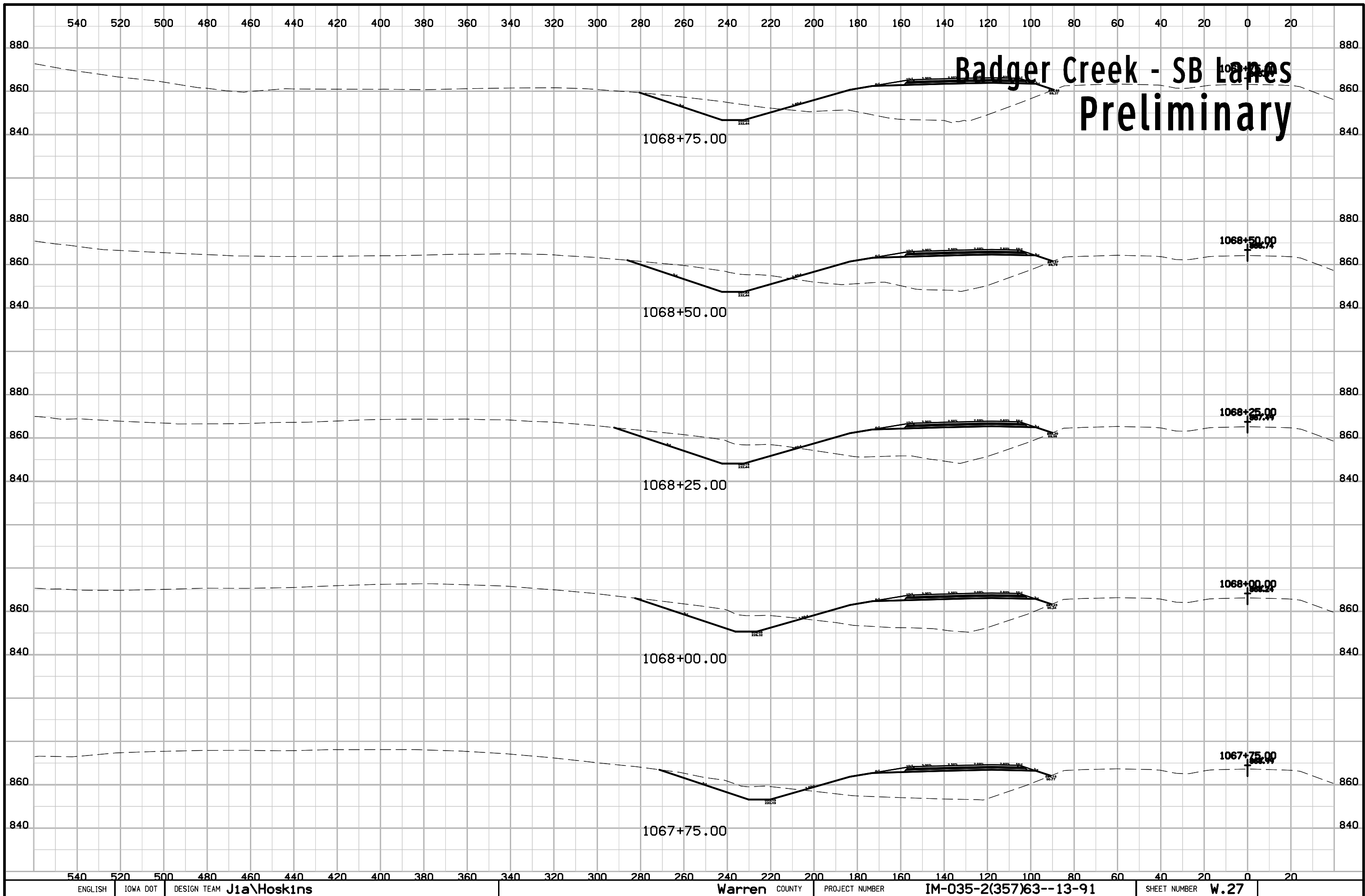
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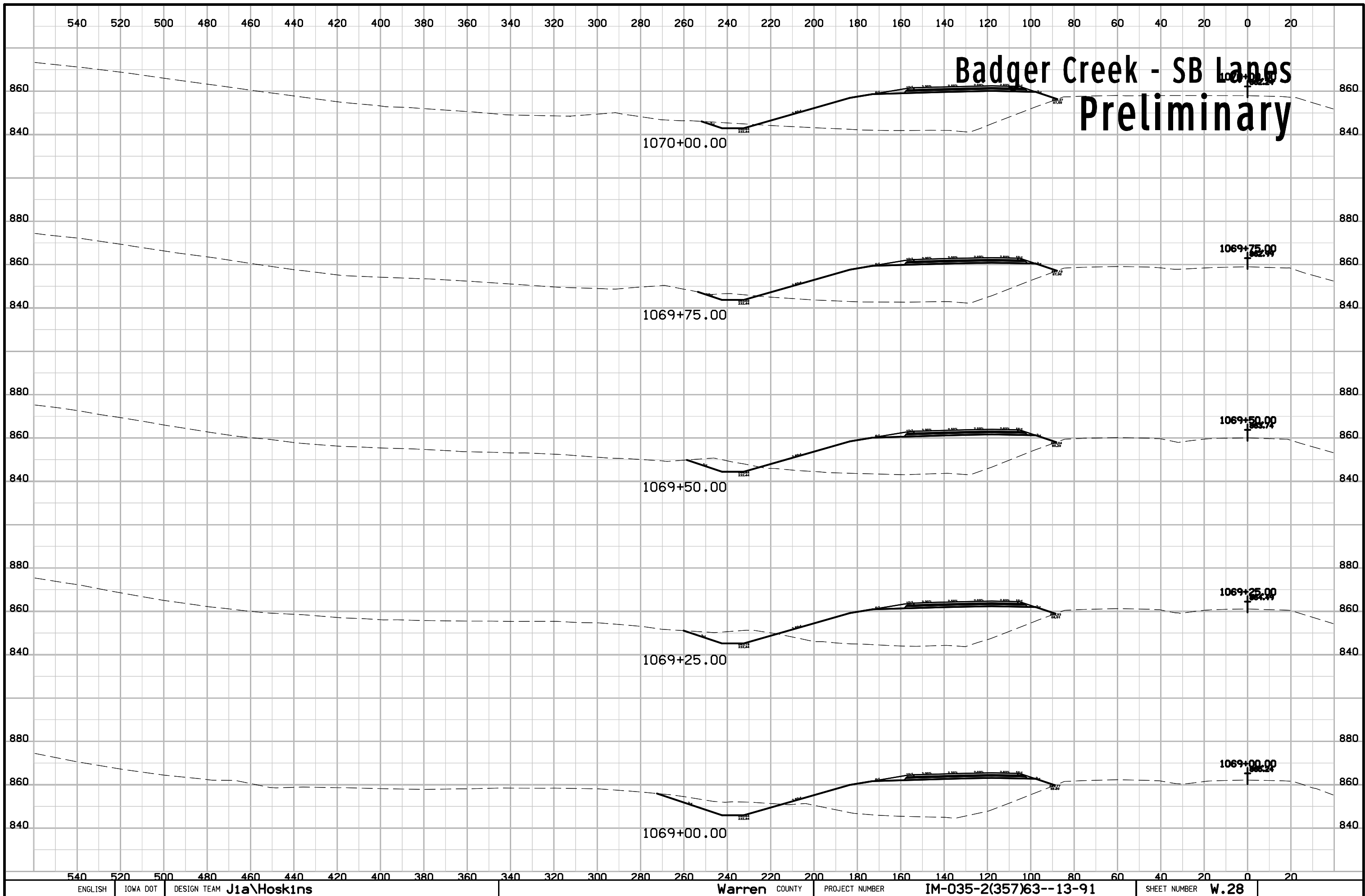
Badger Creek - SB Lanes Preliminary



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Badger Creek - SB Lanes Preliminary

1070+00.00

1069+75.00

1069+50.00

1069+25.00

1069+00.00

1069+75.00

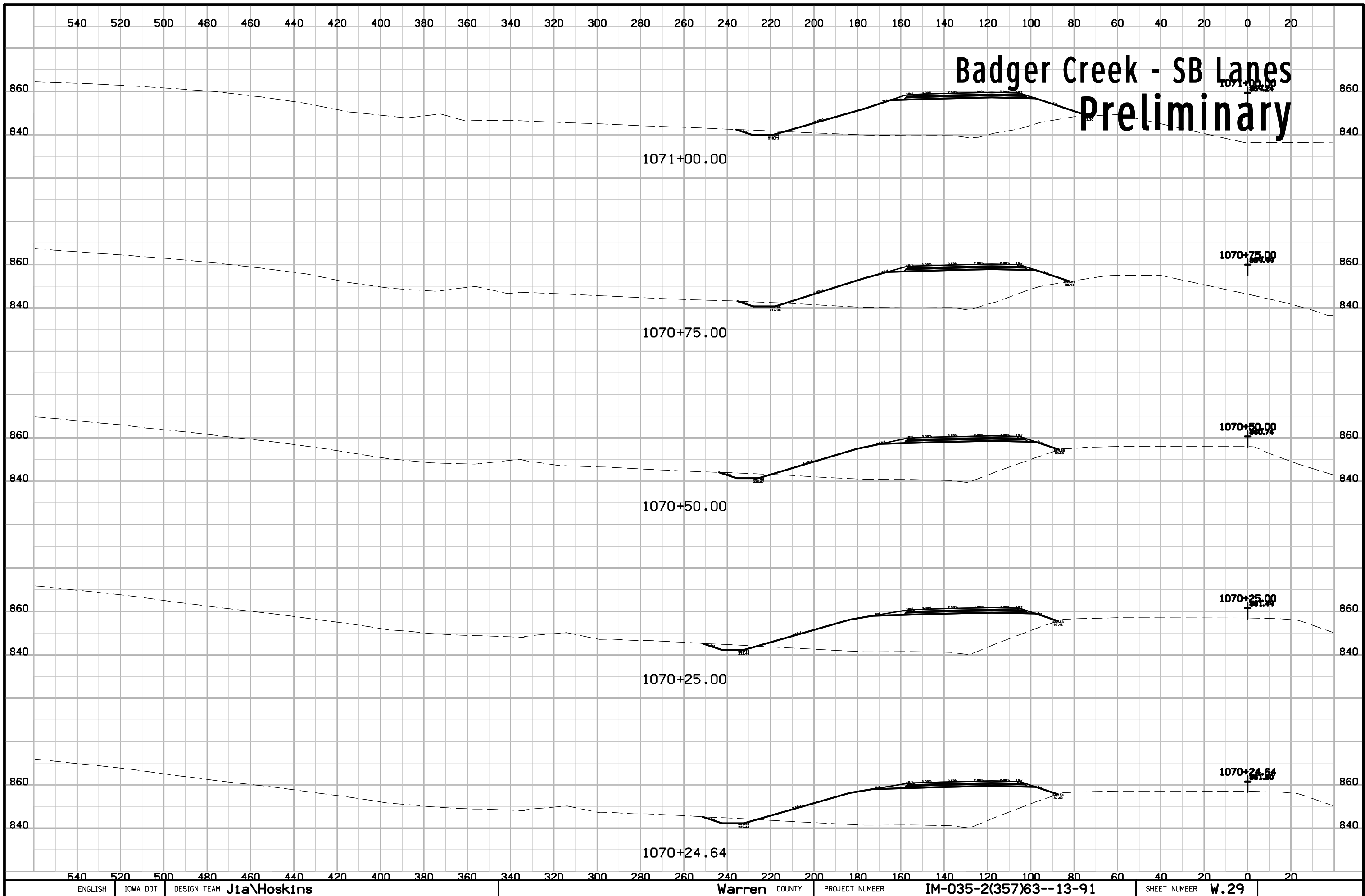
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1069+00.00

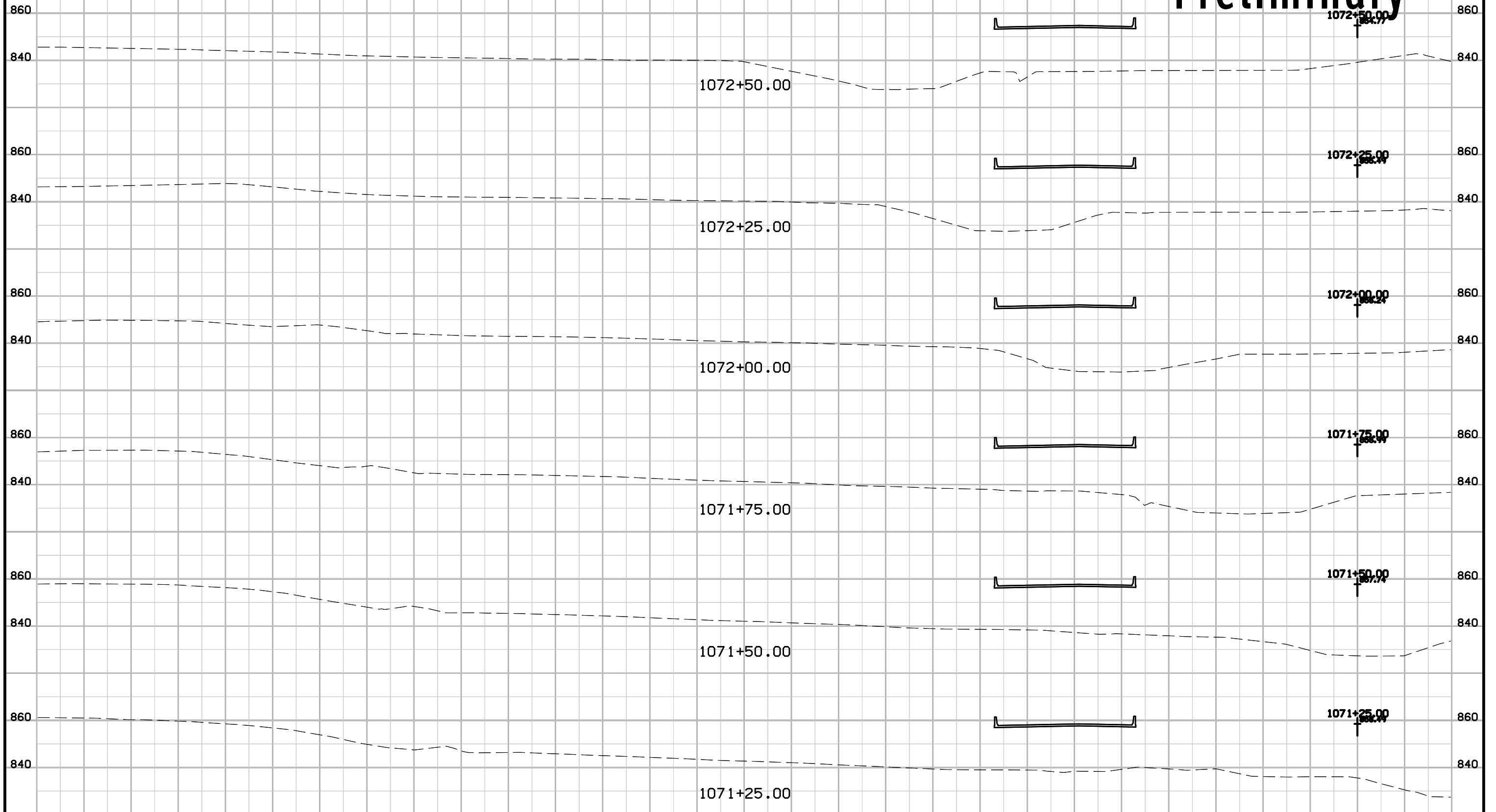
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Badger Creek - SB Lanes Preliminary



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ENGLISH IOWA DOT DESIGN TEAM **J1a\Hoskins**

Warren COUNTY

PROJECT NUMBER

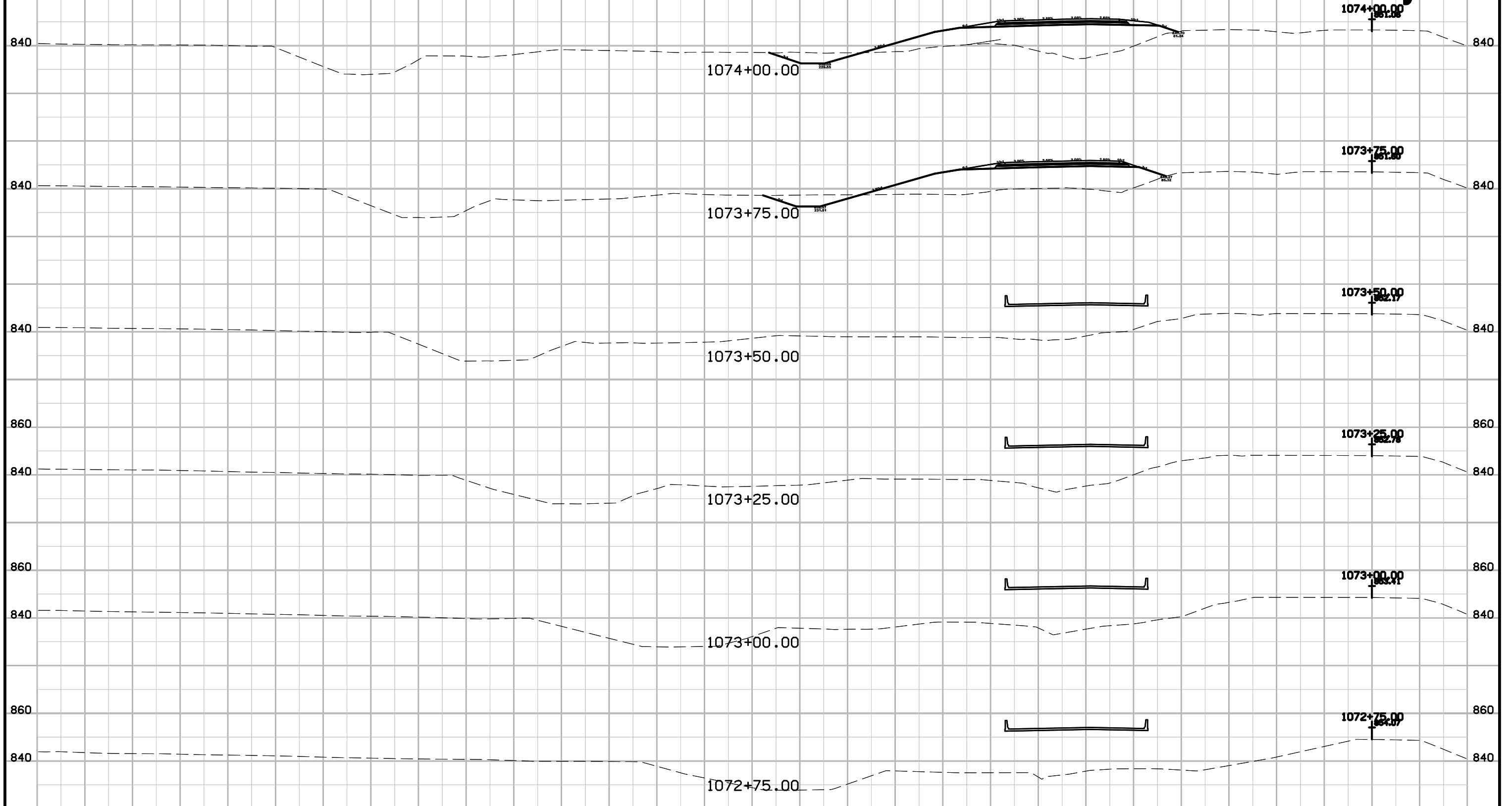
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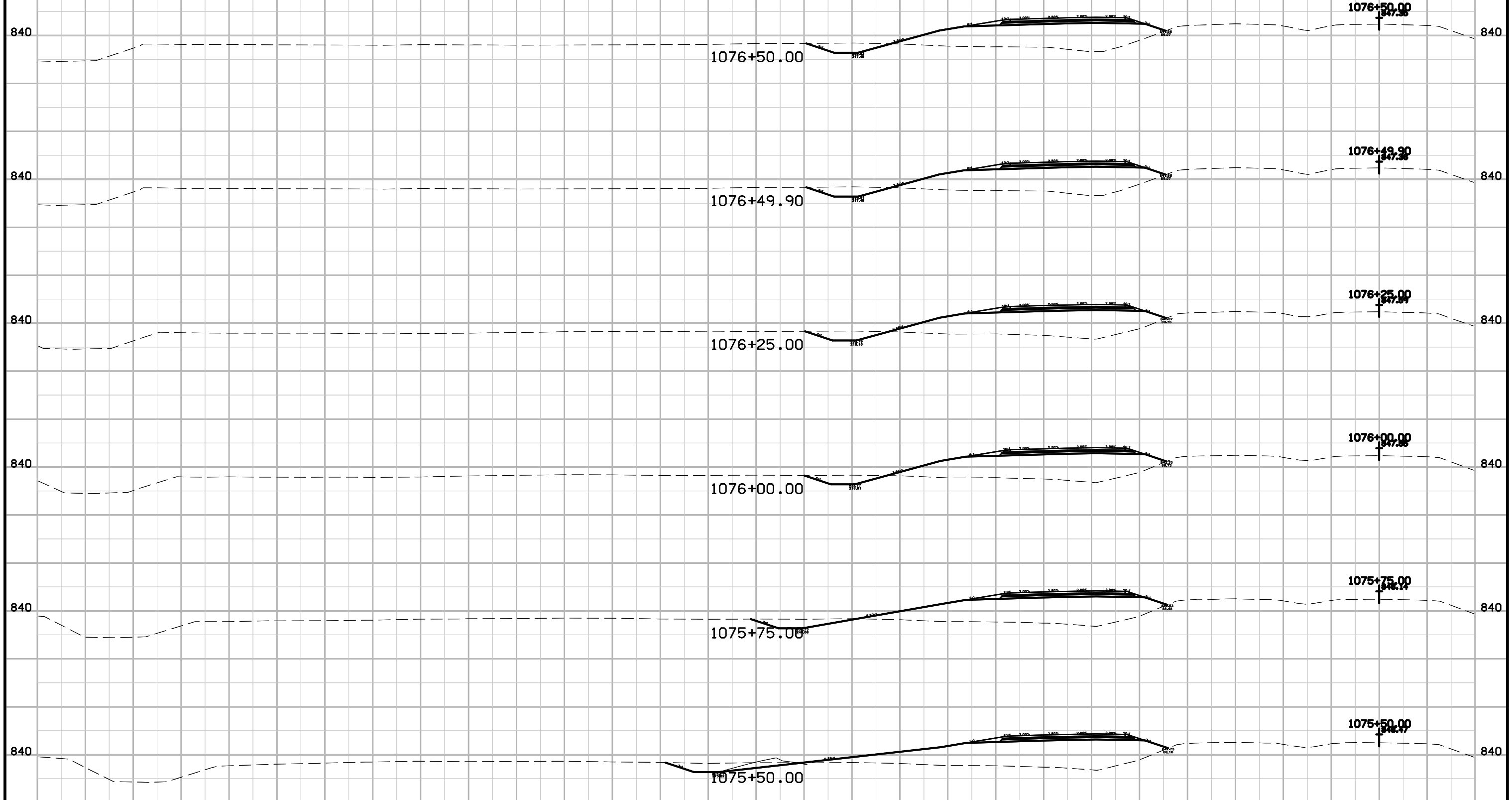
Badger Creek - SB Lanes Preliminary



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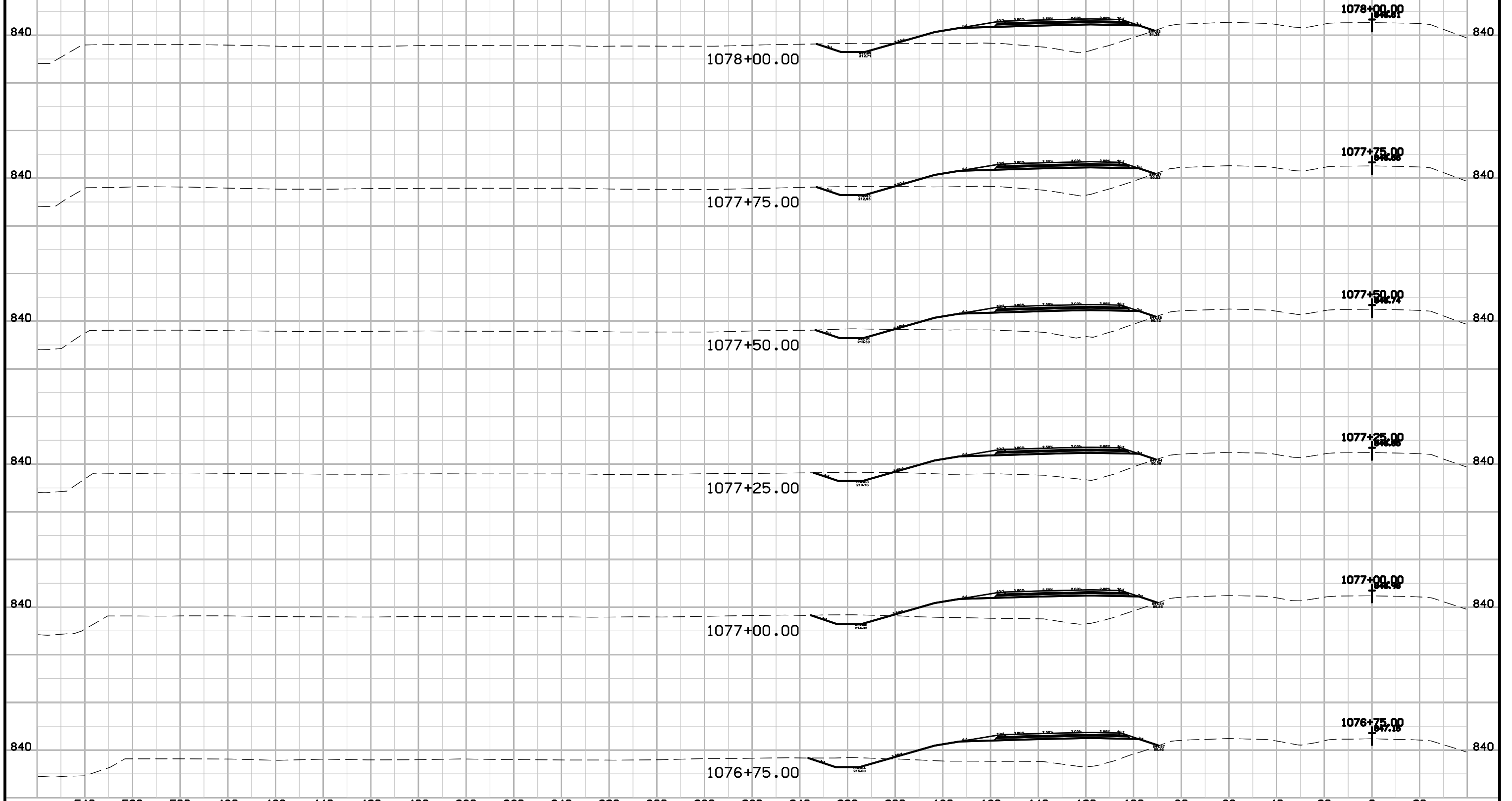
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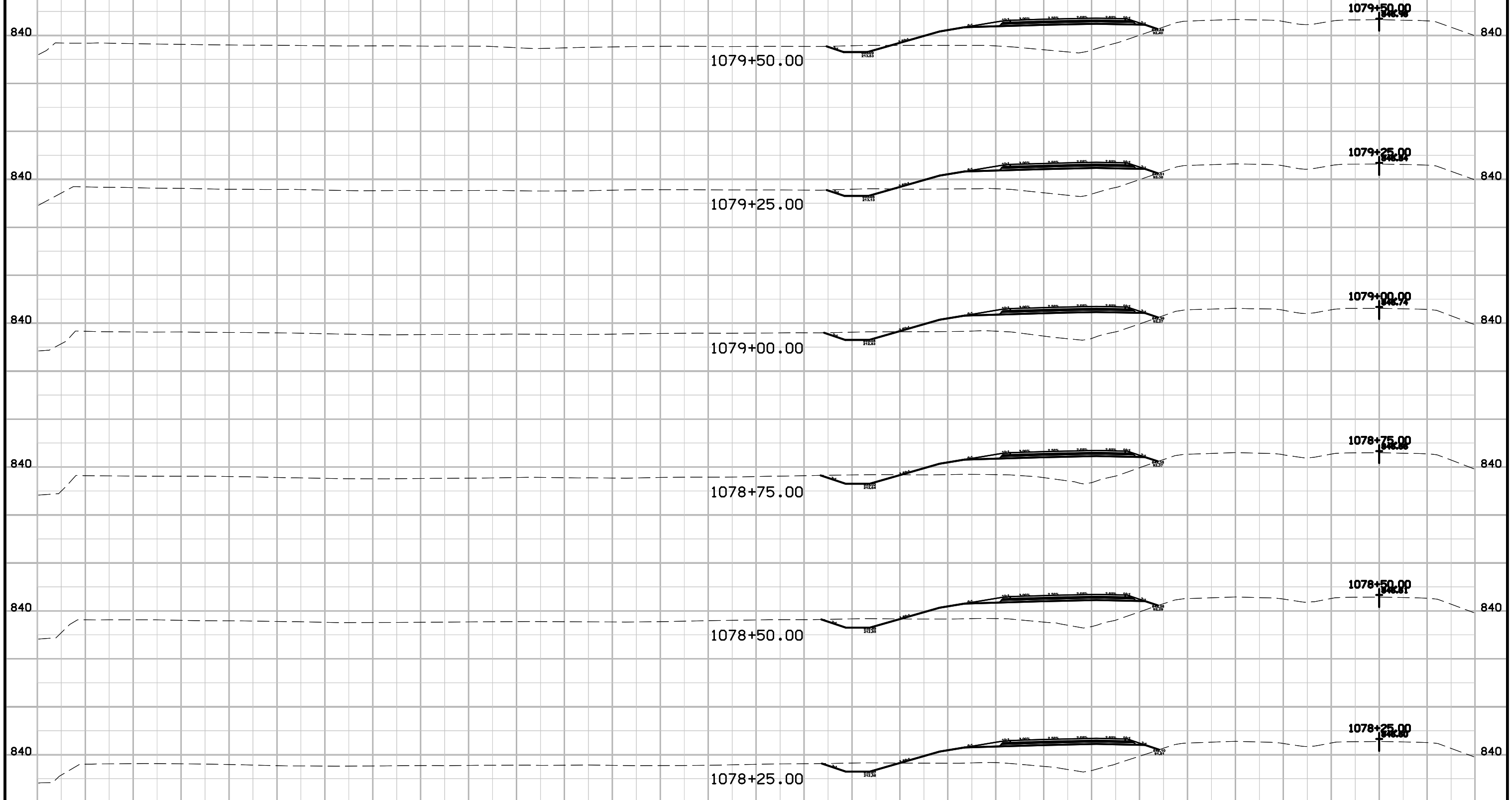
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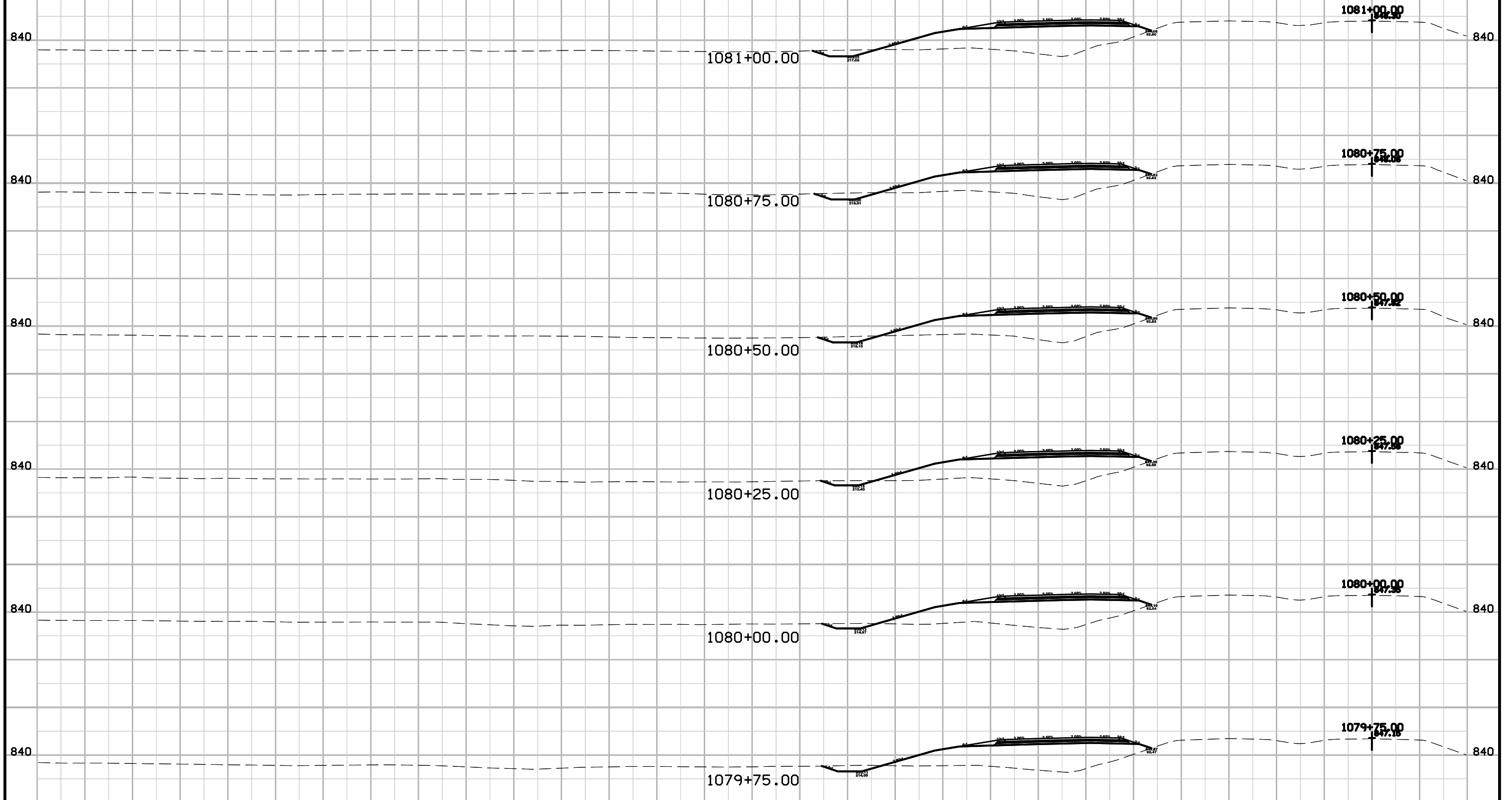
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Badger Creek - SB Lanes Preliminary



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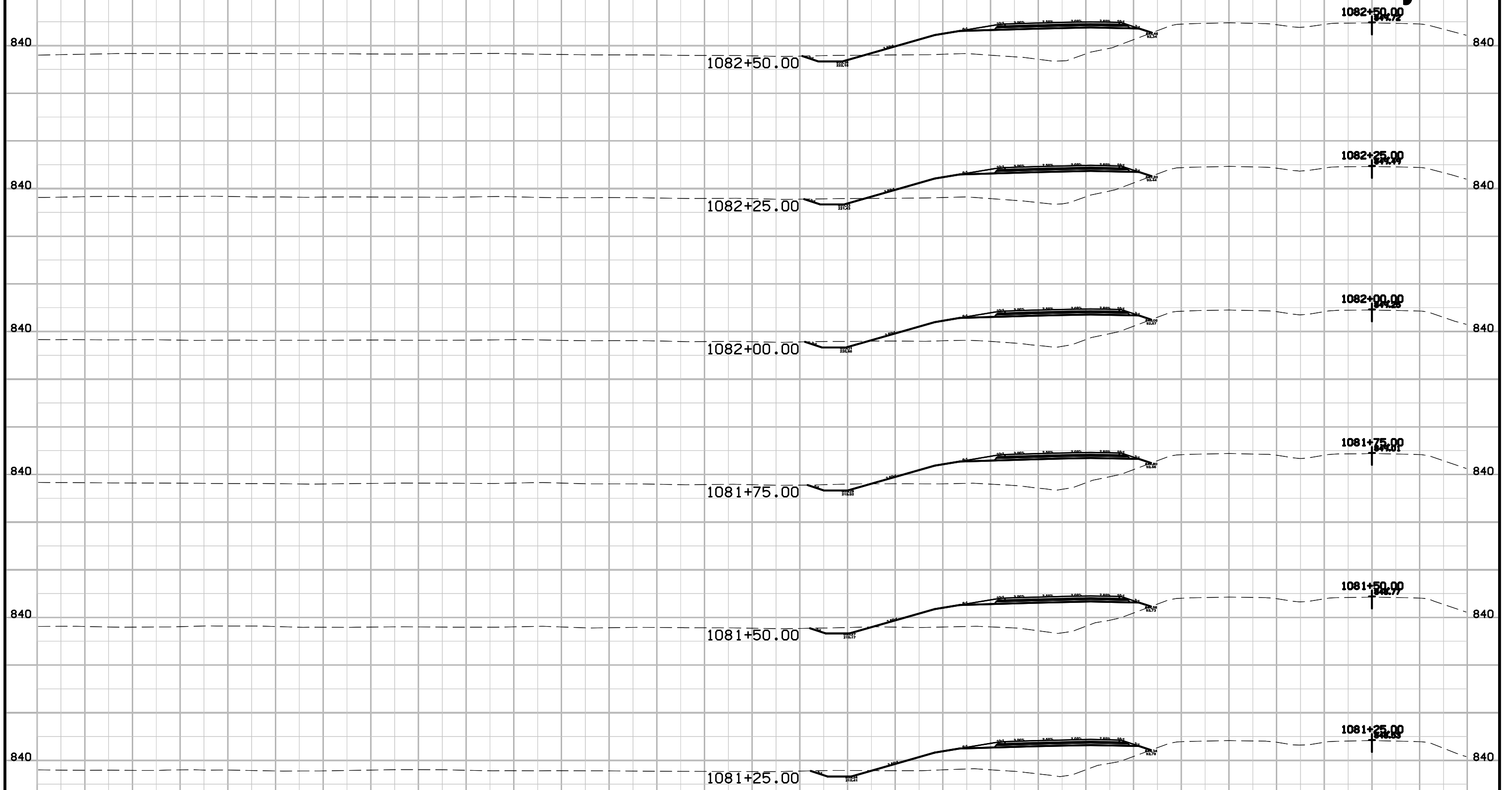
Badger Creek - SB Lanes Preliminary



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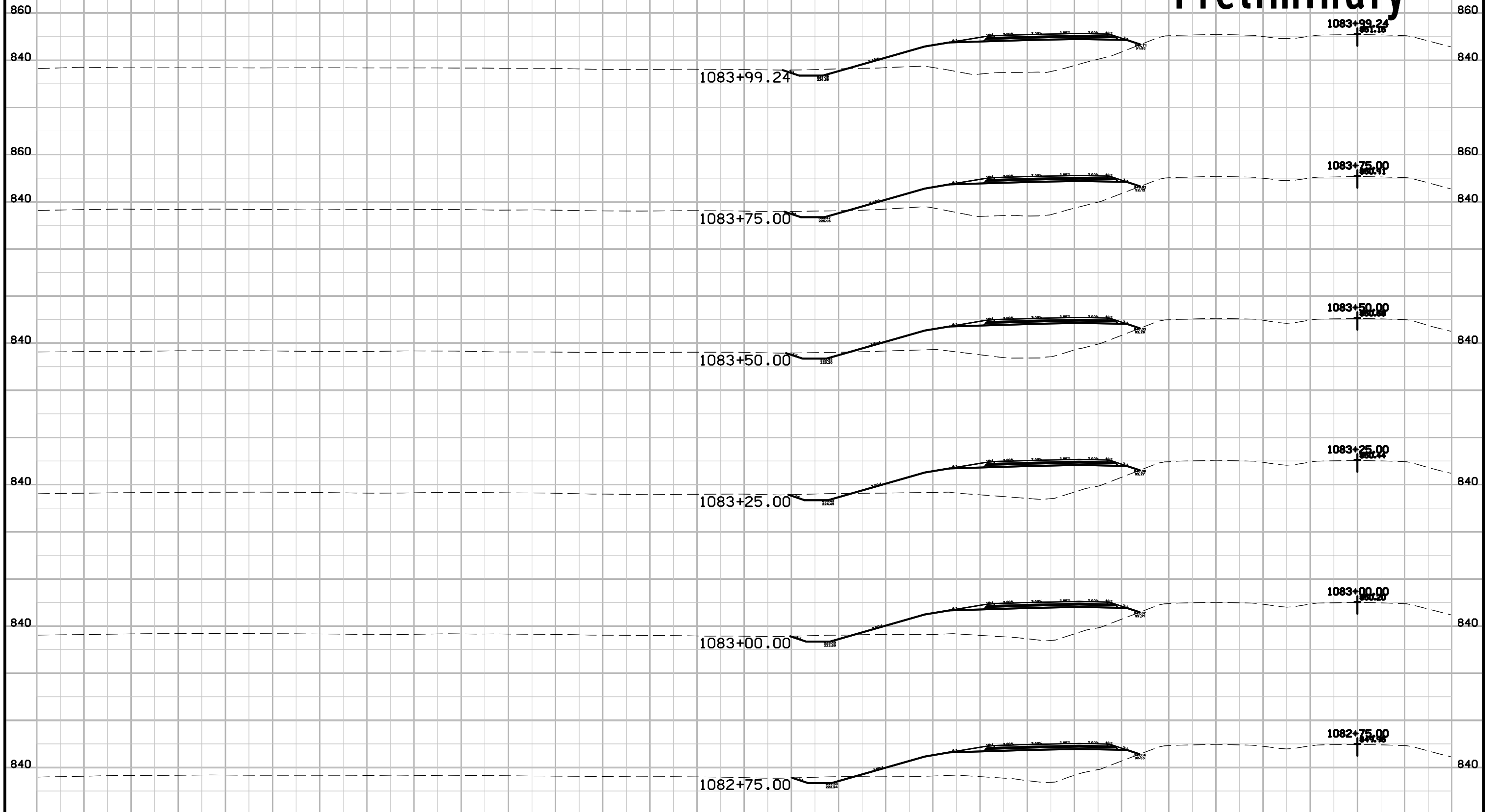
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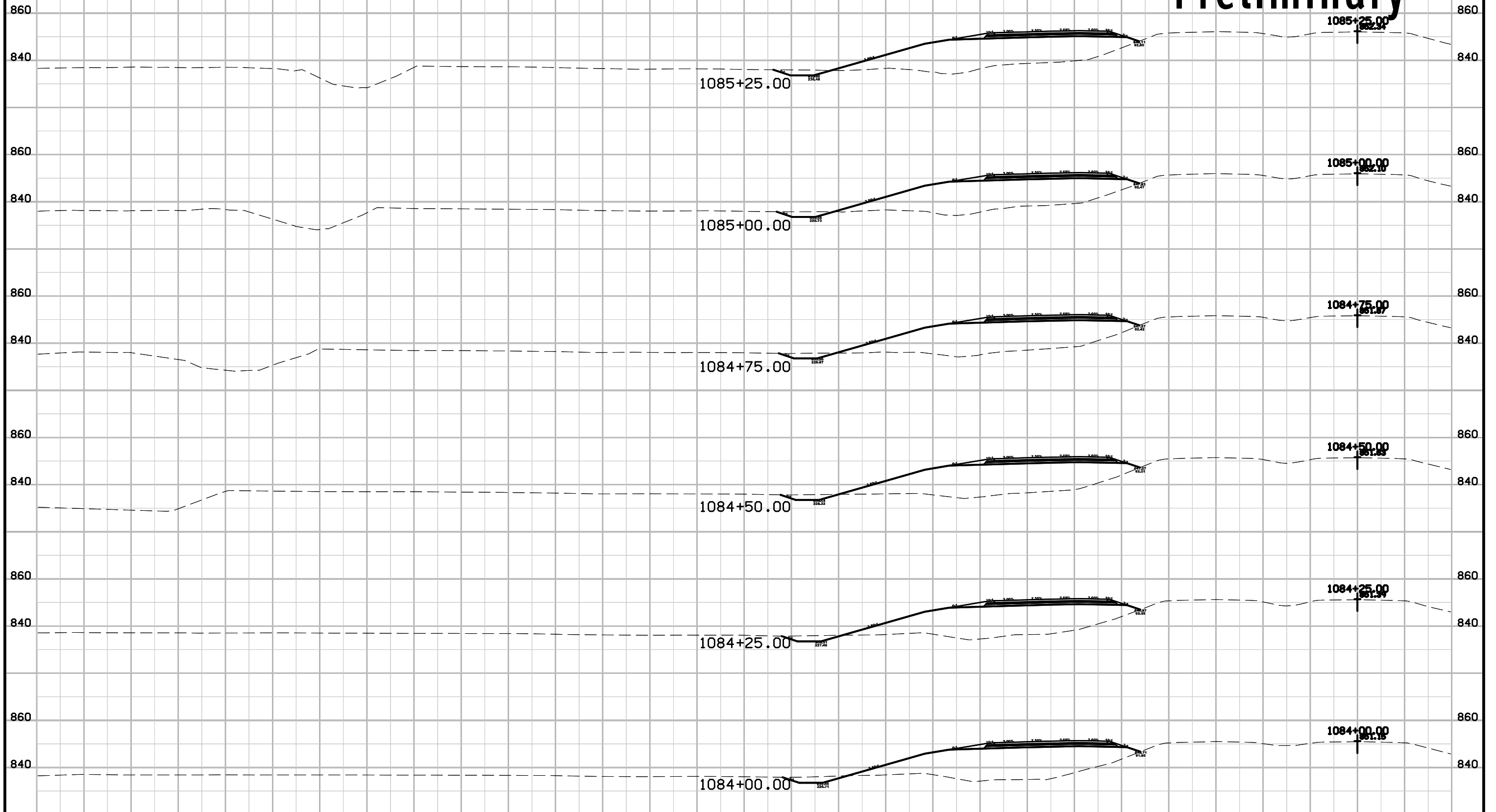
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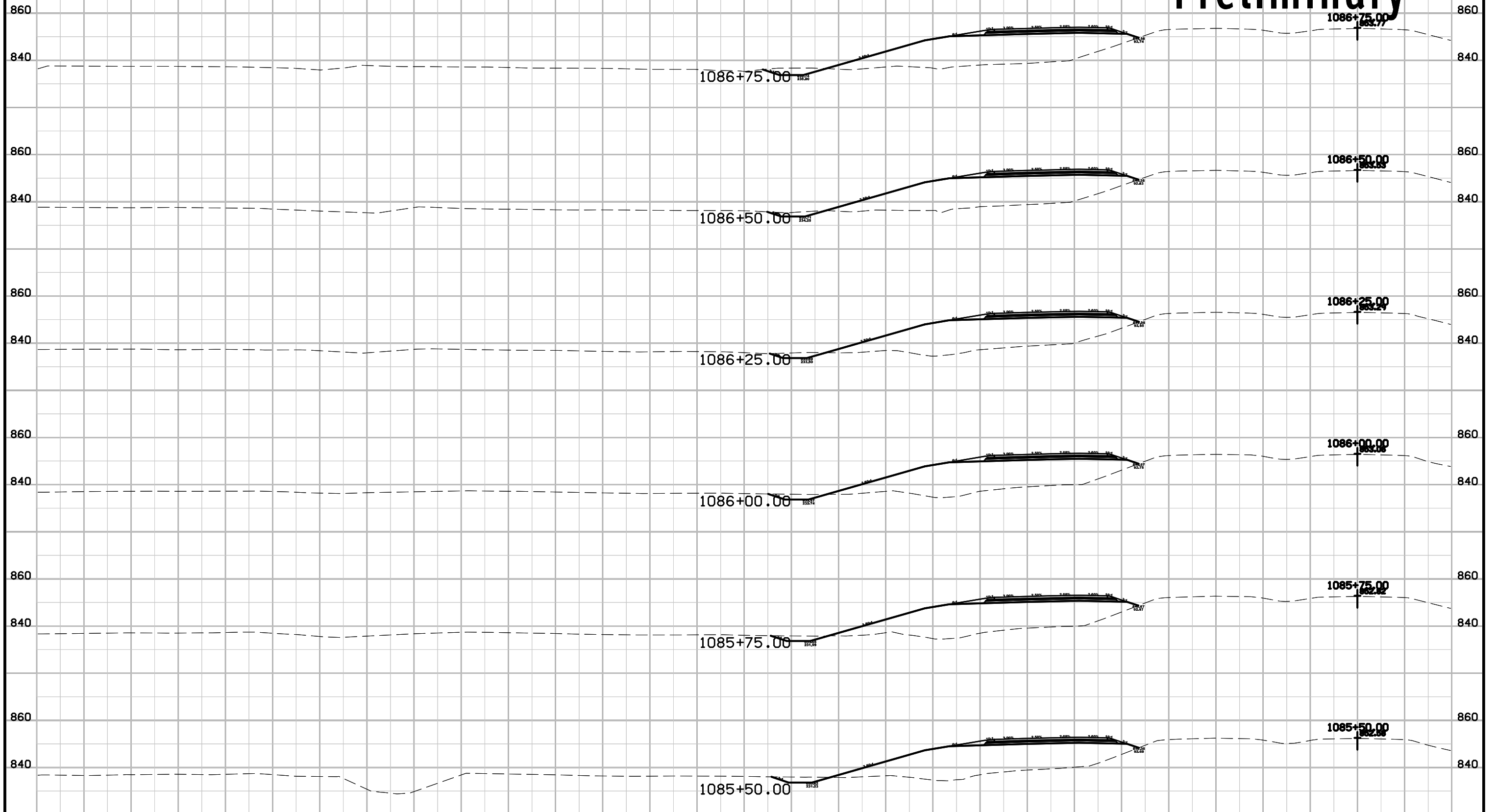
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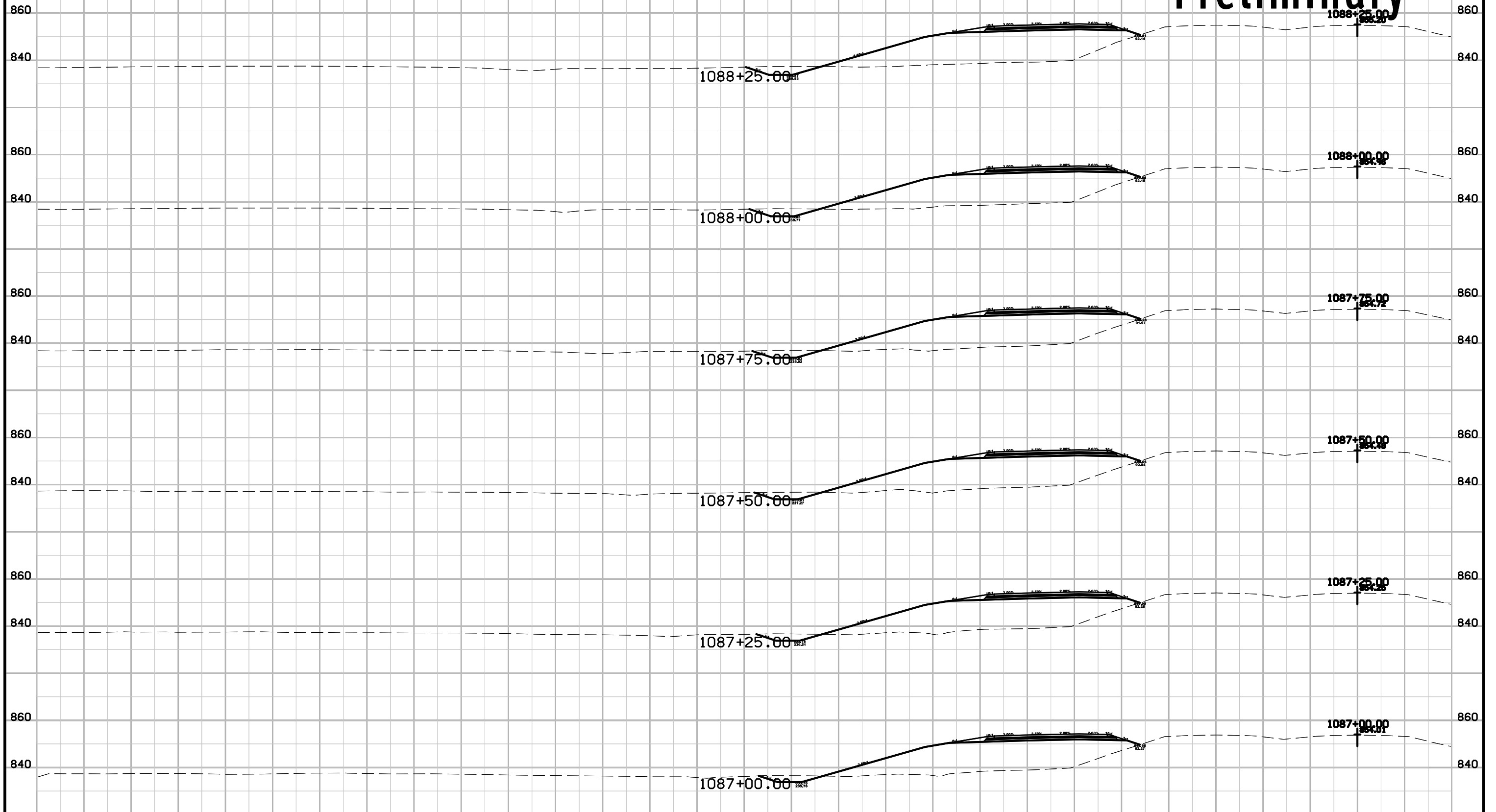
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