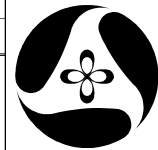


**WARREN CO.**

LETTING DATE  
**IM-035-2(355)61--13-91**

INDEX OF SHEETS	
No.	DESCRIPTION
<b>A Sheets</b>	<b>Title Sheets</b>
A.1	Title Sheet
A.2	Location Map Sheet
<b>B Sheets</b>	<b>Typical Cross Sections and Details</b>
B.1 - 2	Typical Cross Sections and Details
<b>D Sheets</b>	<b>Mainline Plan and Profile Sheets</b>
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2 - 4	I-35 Plan & Profile Sheets
<b>G Sheets</b>	<b>Survey Sheets</b>
G.1	Reference Ties and Bench Marks
G.2	Horizontal Control Tab. & Super for all Alignments
<b>W Sheets</b>	<b>Mainline Cross Sections</b>
W.1	Cross Sections Legend & Symbols Information Sheet
W.2 - 26	Mainline Cross Sections
	* Color Plan Sheets



Iowa Department of Transportation

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

# WARREN COUNTY GRADING

Over North River 3.8mi N. of IA 92 (SBL)

SCALES: As Noted

The Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, series 2001, plus General Supplemental Specifications; and applicable Supplemental Specifications, Developmental Specifications, and Special Provisions, shall apply to construction on this project.

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

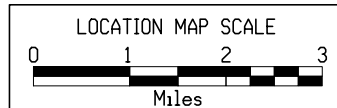
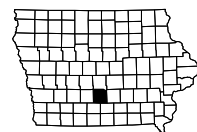


MILEAGE SUMMARY			
		105-1	
		09-27-94	
Div.	Location	Lin. Ft.	Miles
	Section 2- SBL Construction I-35 SBL Construction Sta. 930+00.00 to Sta. 952+50.00 (MP 60.49 to MP 60.91)	2250	0.426
	Deductions Noth River Bridge - Sta. 939+20.55 (MP 60.67 Center of Bridge)	334	0.063
	Total Mileage	1916	0.363



\* Color Plan Sheets

For Project Location Map  
Refer to Sheet A.2



DESIGN DATA RURAL			
2011 AADT	25,900	V.P.D.	
2031 AADT	44,200	V.P.D.	
20 DHV	--	V.P.H.	
TRUCKS	25 %		
Total Design ESALs	30,000,000		

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Yanxiao Jia	Primary Signature Block
X	X	X

## PRELIMINARY PLANS

Subject to change by final design.

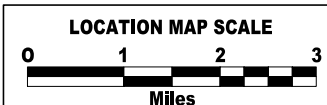
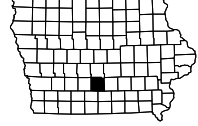
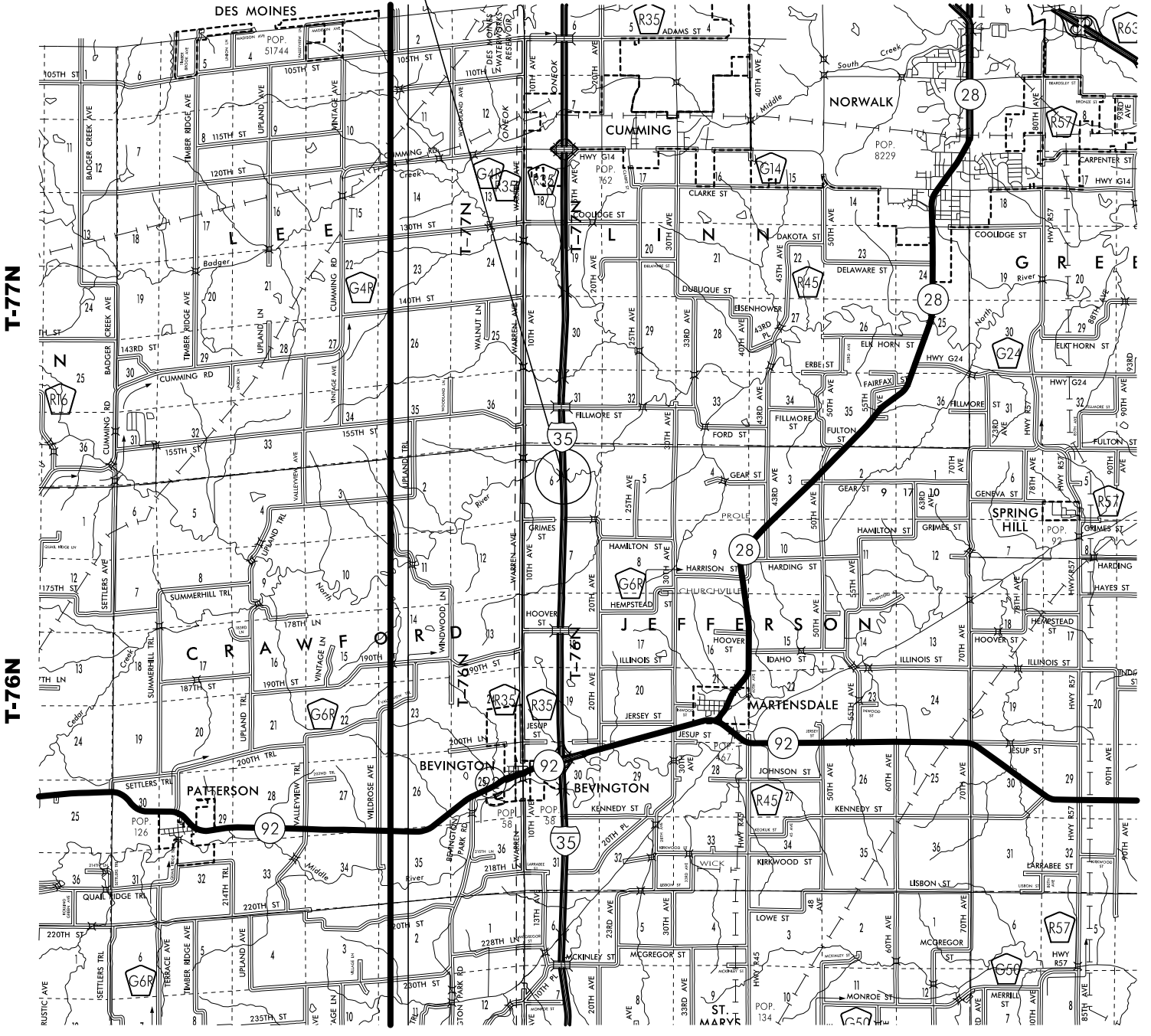
D5 PLAN - Date: 7/18/2011

REVISIONS	TOTAL

PROJECT IDENTIFICATION NUMBER
00-91-035-030-02
PROJECT NUMBER
IM-035-2(355)61--13-91
R.O.W. PROJECT NUMBER
IMN-035-2(391)61--OE-91

# Location Map

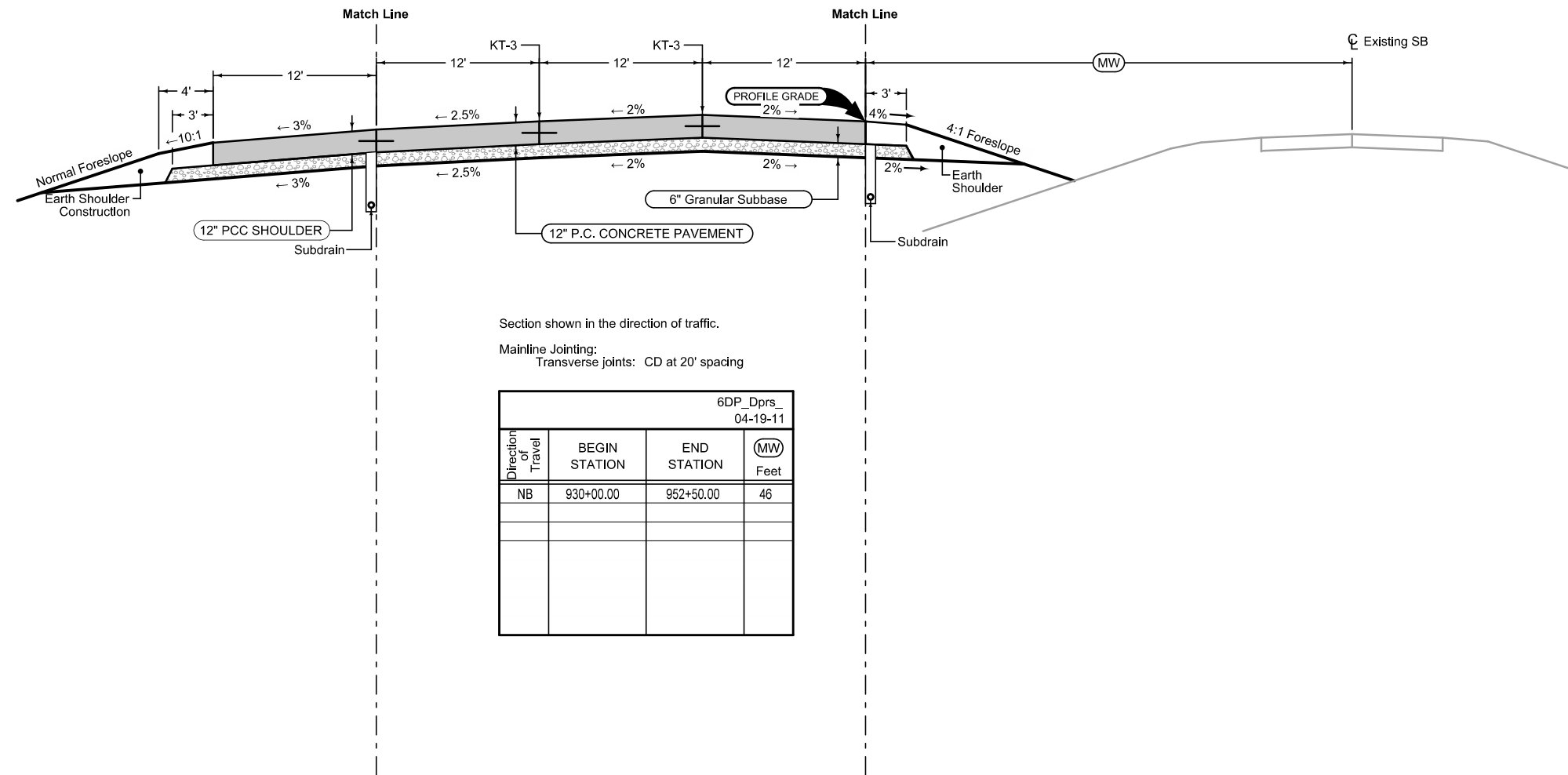
**PROJECT LOCATION**  
**STA. 930+00 to STA. 952+00**  
**SOUTHBOUND LANE CONSTRUCTION**



**Full Depth PCC Shoulder**

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: C at 20' spacing

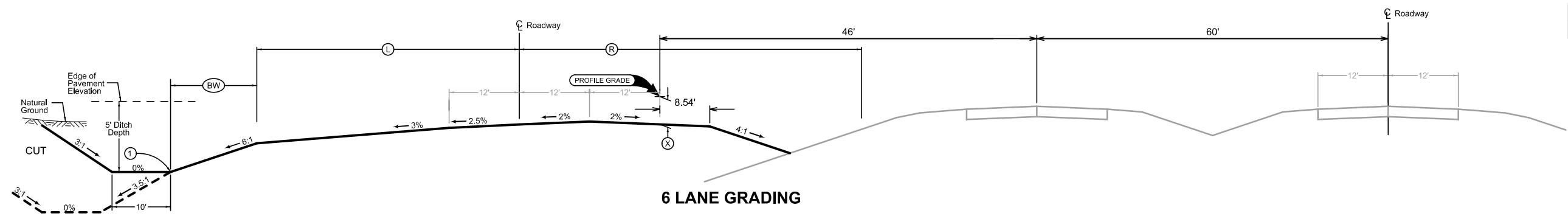
6D_Dprs_P_FullPCC_04-19-11		
Direction of Travel	BEGIN STATION	END STATION
NB	930+00.00	952+50.00



6DP_Dprs_04-19-11			
Direction of Travel	BEGIN STATION	END STATION	(MW) Feet
NB	930+00.00	952+50.00	46

See Tab 100-24 for pavement quantities.  
 See Tab 112-9 for shoulder quantities.

**INTERSTATE 35**



**6 LANE GRADING**

LOCATION		DIMENSIONS				
ROAD IDENTIFICATION	STATION TO STATION	(L) Feet	(R) Feet	(X) Inches	(BW) Feet	(M) Feet
I-35 SB	930+00.00   952+50.00	43.03	52.09	18	10.41	4












① Refer to project plan and cross sections for specific location of foreslope change.

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.  
  
See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.







**SURVEY SYMBOLS**











**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
Gray, Dark	(112)	 Proposed Sidewalk Shading
Brown, Light	(236)	 Grading 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

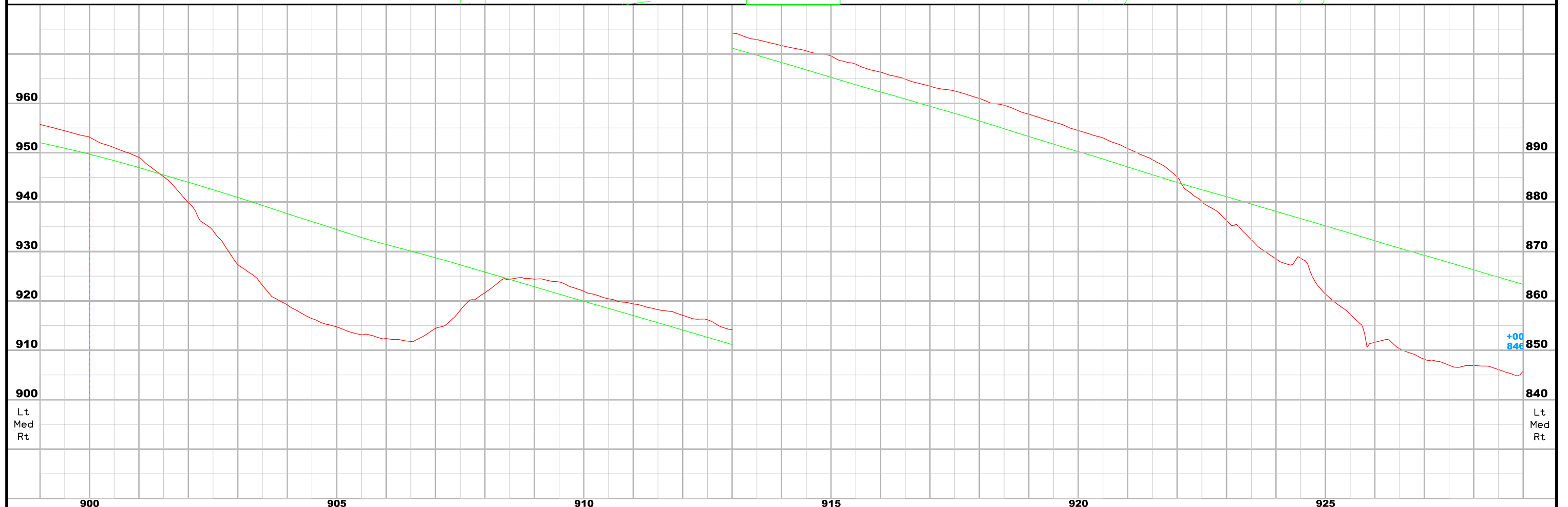
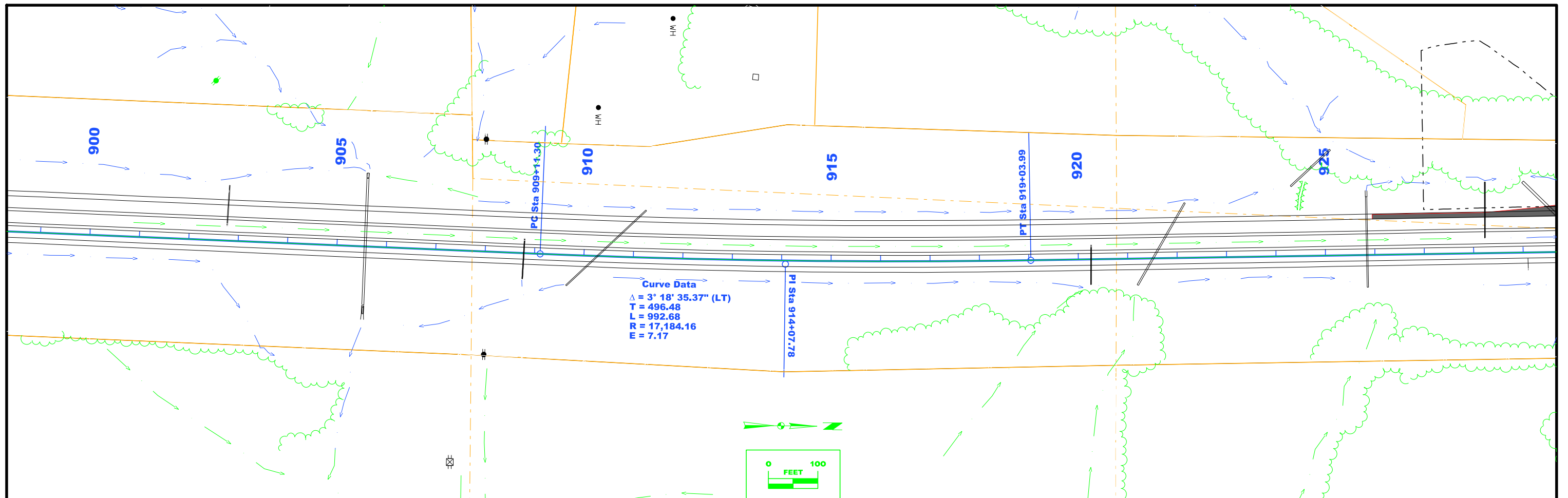
 Reference Point	Survey Line
 Station	
 Section Corner	
 Ground Line Intercept	
 Saw Cut	
 Guardrail	
 Clearing & Grubbing Area	
 Pavement Removal	
	
	

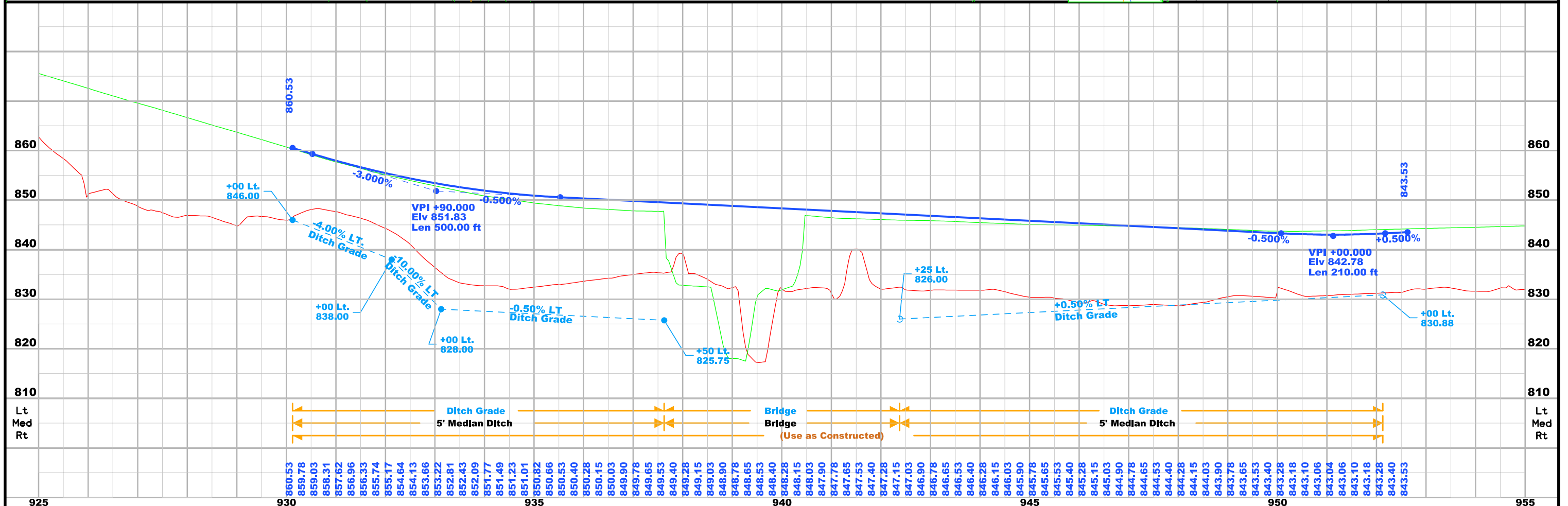
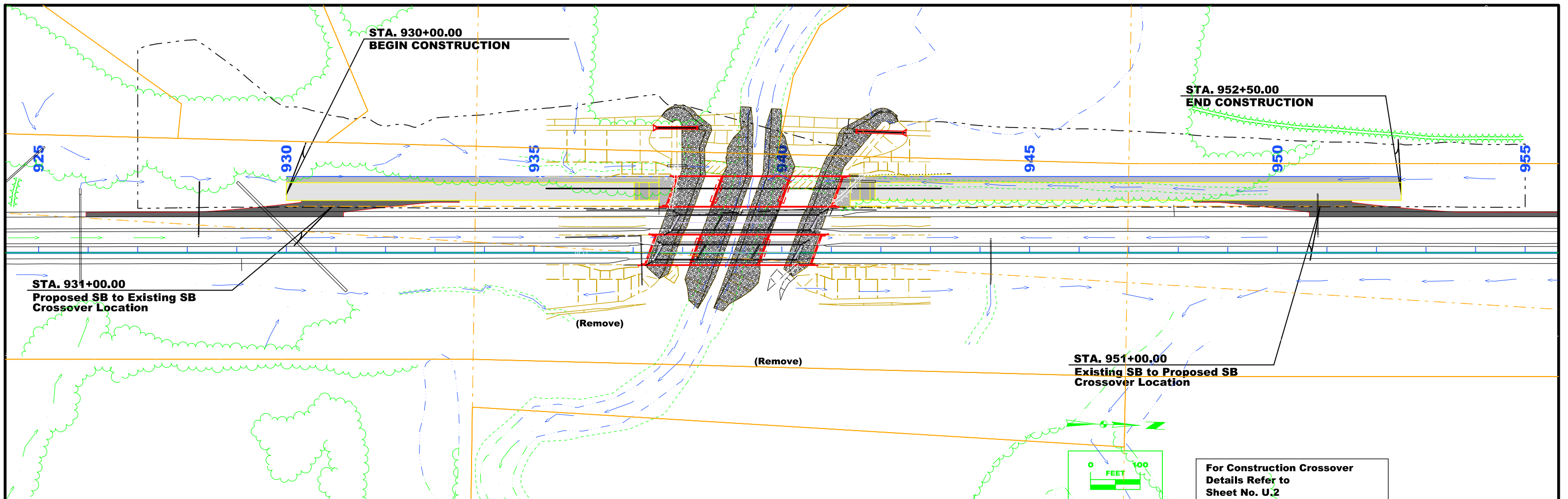
**RIGHT-OF-WAY LEGEND**

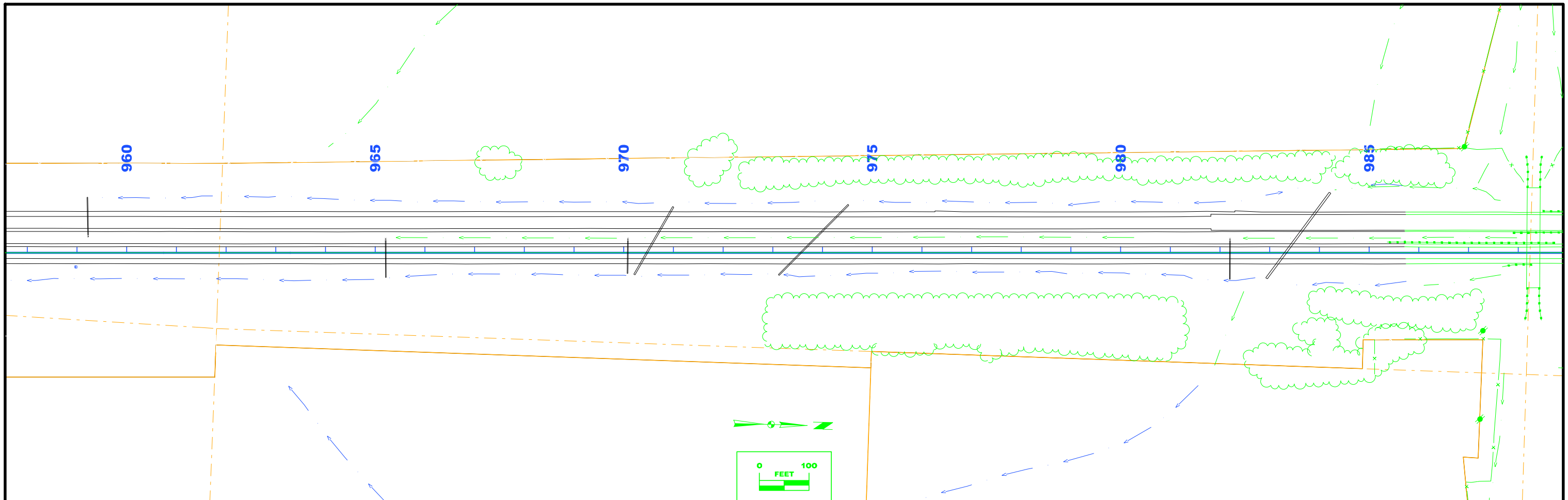
	Proposed Right-of-Way
	Existing and Proposed Right-of-Way
	Easement and Existing Right-of-Way
	Borrow
	Easement (Temporary)
	Easement
	Excess
	Access Control

**PLAN AND PROFILE  
LEGEND AND SYMBOL  
INFORMATION SHEET**

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









PARCEL CHECK BY PROJ UPDATED 08/08/11 07:50

PAGE: 1

AND: 2

R2360003 PARCEL CHECK LIST BY PROJECT NUMBER

COUNTY : WARREN

PROJECT NO. :IMN-035-2(391)61--0E-91

PIN: 00-91-035030-02

CONSTRUCTION NO.:IM-035-2(355)61--13-91

ASSIGNED TO: SJD

DESCRIPTION : Over North River 3.8 Miles. N. Of IA. 92(SBL)

PARCEL	KEY	OWNER	TYPE	R/W W.D OR EASE.	BORROW W.D OR EASE.	HOUSE OR OTHER	COMMERCIAL	OCC ENVIRONMENTAL CONCERNS
--------	-----	-------	------	------------------	---------------------	----------------	------------	----------------------------

0001 M	25522	PAULETTE M. REVEIZ REVOC TRUST	FEE STATE OF IOWA					
		PAULETTE M. REVEIZ	FEE	123.60	MIT WD AC			
		E REVEIZ	FEE					

0002	25523	RONALD GROSKREUTZ, JR	FEE STATE OF IOWA					
		CHRISTY A. GROSKREUTZ	FEE	1.71	WD ACRE			

0002 M	25544	JAMES J. WATTS	FEE STATE OF IOWA					
				38.62	EASE ACRE			

0003 M	25976	JASON ROOSE	FEE STATE OF IOWA					
				148.50	MIT WD AC			

0004	26015	WILLIAM E. CLEMONS	FEE STATE OF IOWA					
		KIMBERLY D. CLEMONS	FEE	1.79	WD ACRE			
		JAIME L. CLEMONS	FEE					

0004 A	26031	WILLIAM E. CLEMONS	FEE STATE OF IOWA				12.64	WD
--------	-------	--------------------	-------------------	--	--	--	-------	----

0005	26016	DEAN G. OAKES	FEE STATE OF IOWA					
		EVELYN M. OAKES	FEE	<del>2.04</del>	WD ACRE			




2.13

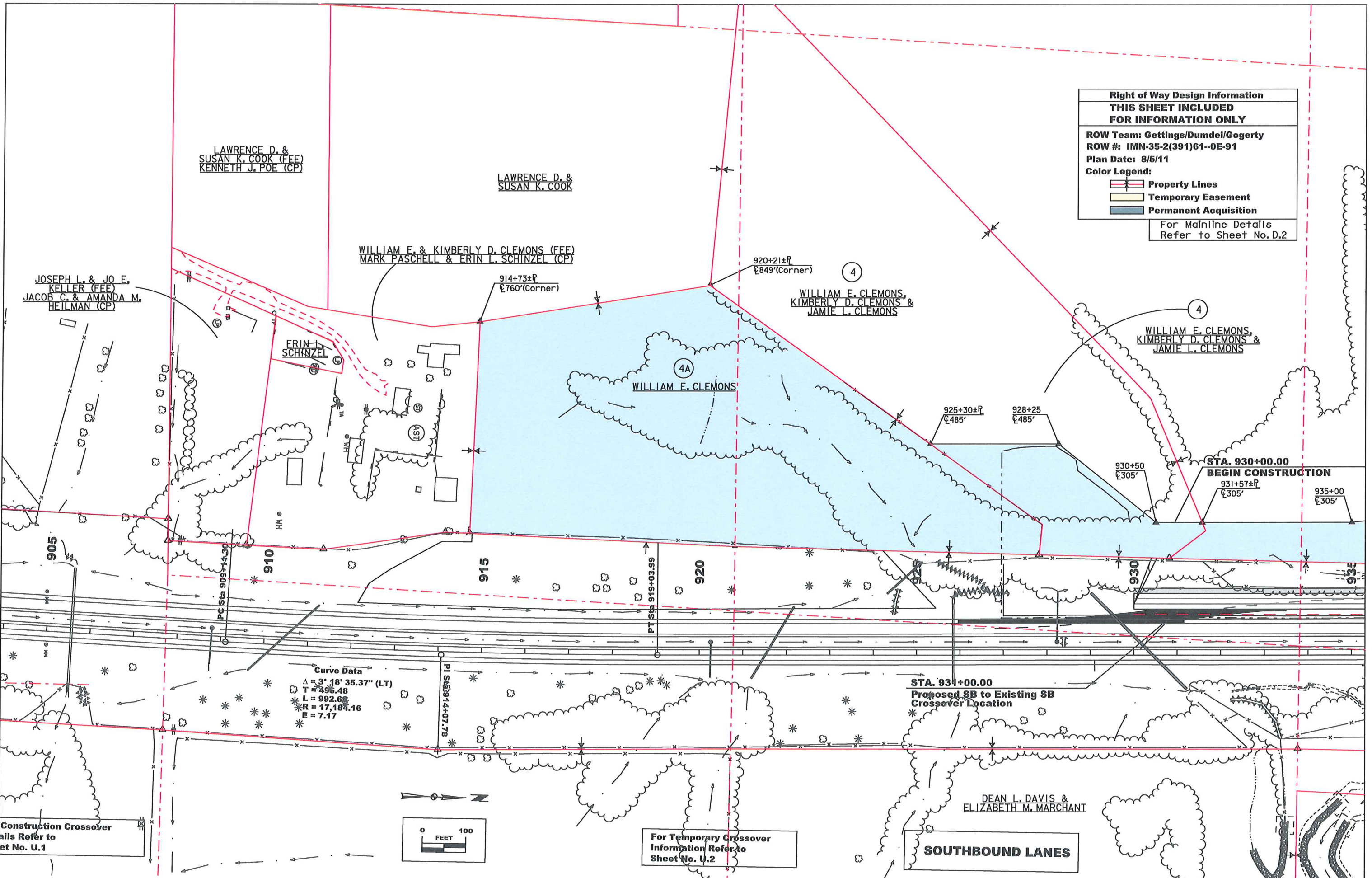
0006	26017	LAWRENCE C. WATTS	FEE STATE OF IOWA					
		JODY R. WATTS	FEE	2.59	WD ACRE			

STATE OF IOWA

38.62	EASEMENT ACRES
8.13	WARRANTY DEED ACRES
272.10	MITIGATION WARRANTY DEED ACRES
12.64	BORROW WARRANTY DEED ACRES

8 TOTAL PARCELS ON PROJECT

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Gettings/Dumdei/Gogerty
ROW #:	IMN-35-2(391)61--0E-91
Plan Date:	8/5/11
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition
For Mainline Details Refer to Sheet No. D.2	

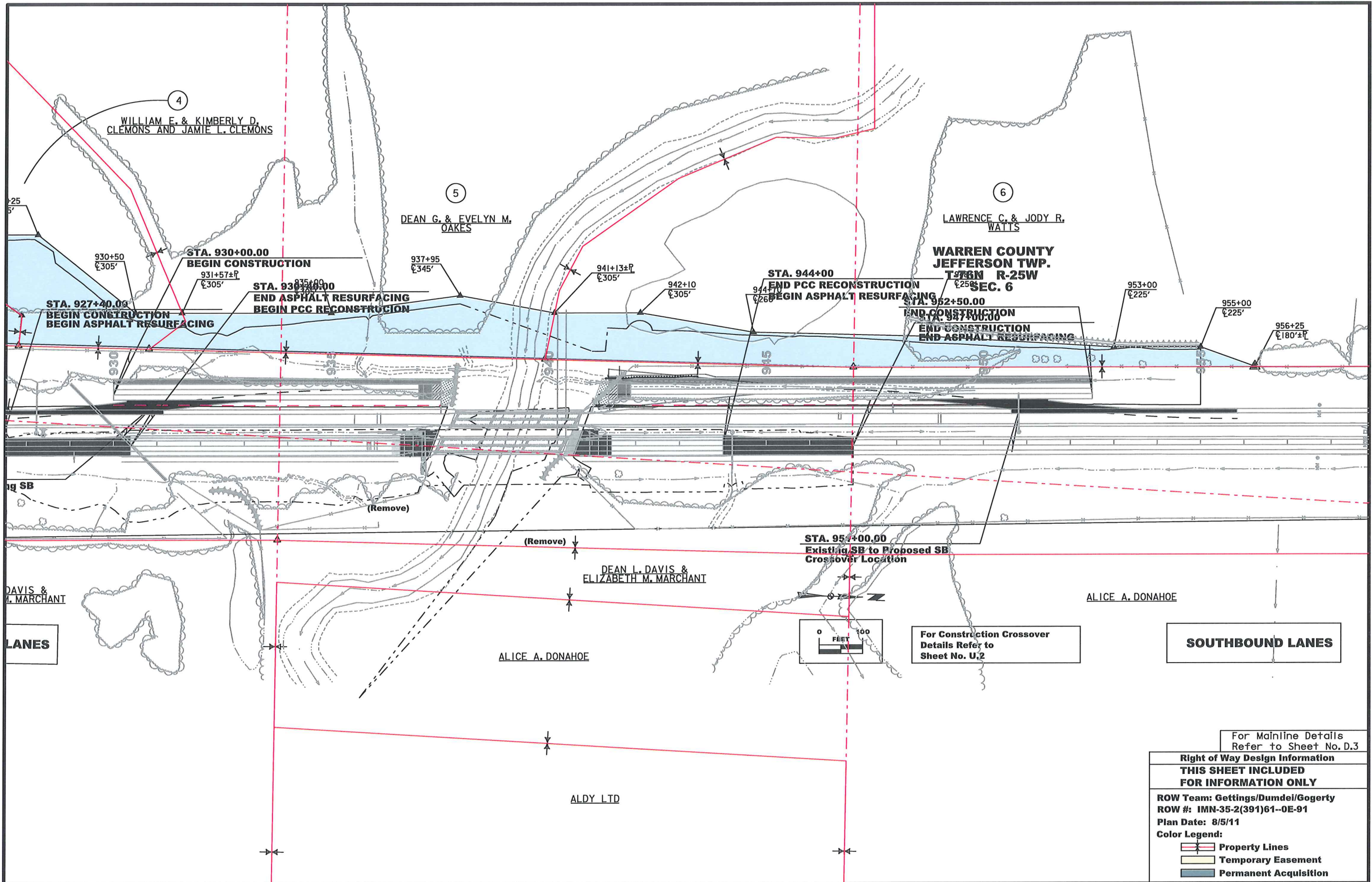


Construction Crossover  
 Refer to  
 Sheet No. U.1

For Temporary Crossover  
 Information Refer to  
 Sheet No. U.2

STA. 934+00.00  
 Proposed SB to Existing SB  
 Crossover Location

**SOUTHBOUND LANES**



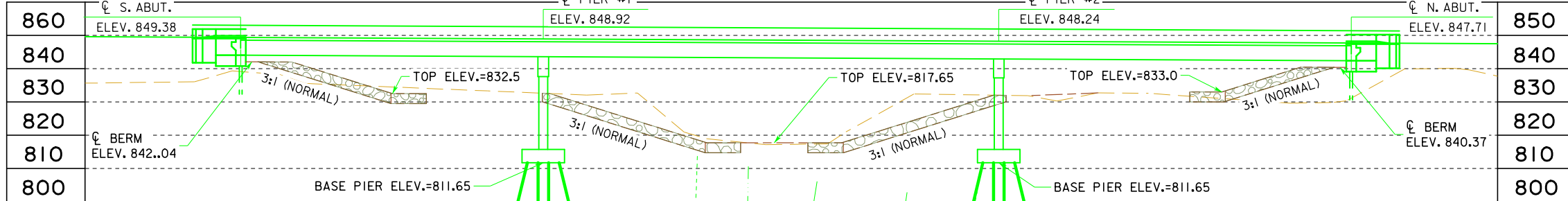
For Mainline Details Refer to Sheet No. D.3

**Right of Way Design Information**  
**THIS SHEET INCLUDED FOR INFORMATION ONLY**

ROW Team: Gettings/Dumdei/Gogerty  
 ROW #: IMN-35-2(391)61--0E-91  
 Plan Date: 8/5/11

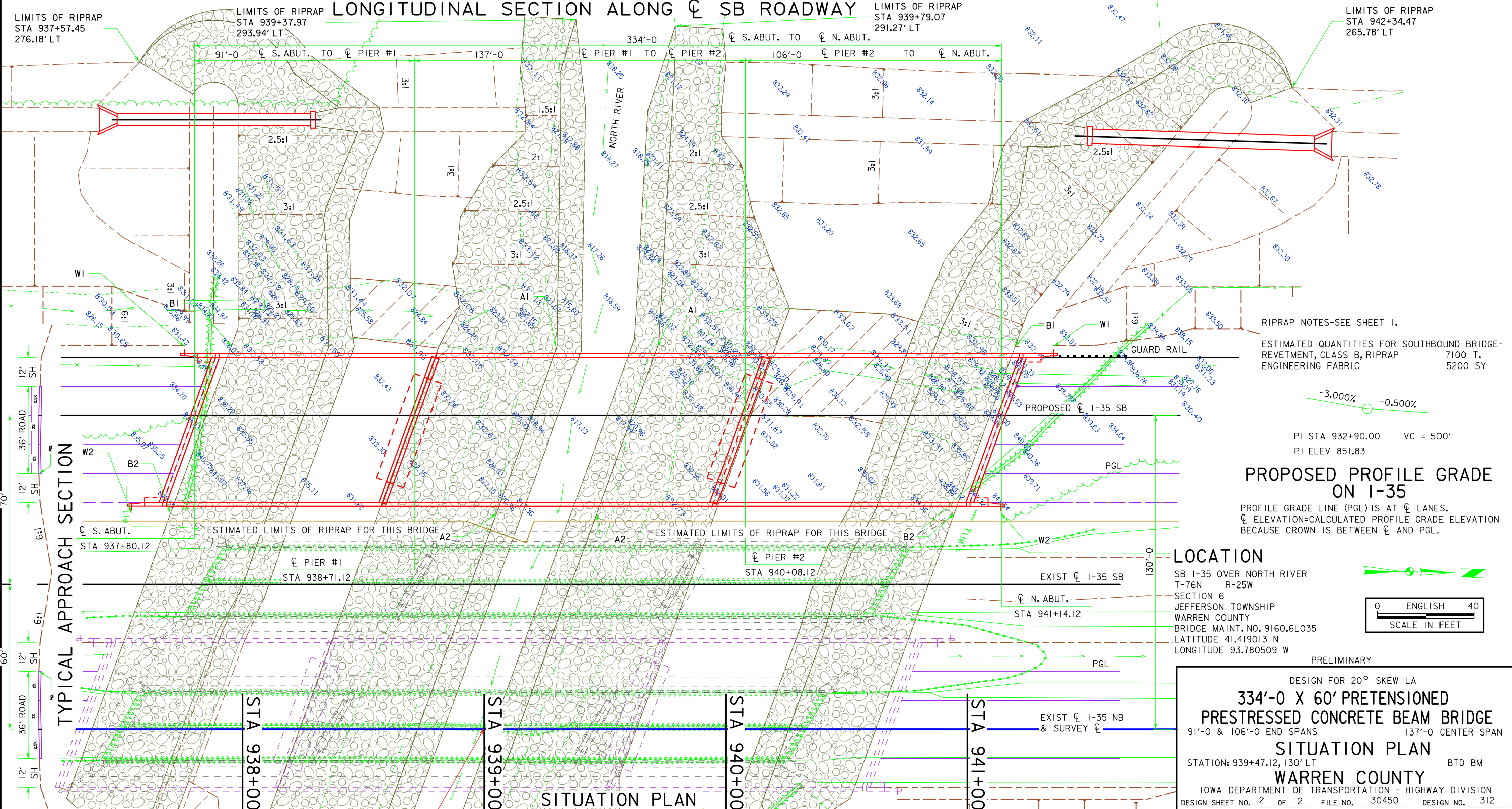
**Color Legend:**

- Property Lines
- Temporary Easement
- Permanent Acquisition



SB BERM SLOPE LOCATION TABLE						
SOUTH ABUTMENT			NORTH ABUTMENT			
STATION	OFFSET	ELEV	STATION	OFFSET	ELEV	
A1	939+29.78	158.58	817.65	939+71.76	158.58	817.65
A2	939+05.08	89.42	817.65	939+46.58	89.42	817.65
B1	937+95.32	158.58	842.04	940+76.82	158.58	840.37
B2	937+70.14	89.42	842.04	940+51.64	89.42	840.37
W1	937+75.93	158.58	848.59	940+92.86	158.58	847.00
W2	937+54.09	89.42	848.88	940+71.02	89.42	847.29

ALL POINTS REFLECT GRADING SURFACE & ARE LEFT FROM SURVEY



RIPRAP NOTES-SEE SHEET 1.  
ESTIMATED QUANTITIES FOR SOUTHBOUND BRIDGE-  
REVETMENT, CLASS B, RIPRAP 7100 T.  
ENGINEERING FABRIC 5200 SY

PI STA 932+90.00 VC = 500'  
PI ELEV 851.83

**PROPOSED PROFILE GRADE ON I-35**

PROFILE GRADE LINE (PGL) IS AT CLANES.  
CL ELEVATION=CALCULATED PROFILE GRADE ELEVATION  
BECAUSE CROWN IS BETWEEN CL AND PGL.

**LOCATION**

SB I-35 OVER NORTH RIVER  
T-76N R-25W  
SECTION 6  
JEFFERSON TOWNSHIP  
WARREN COUNTY  
BRIDGE MAINT. NO. 9160.6L035  
LATITUDE 41.419013 N  
LONGITUDE 93.780509 W

PRELIMINARY

DESIGN FOR 20° SKEW LA

**334'-0 X 60' PRETENSIONED  
PRESTRESSED CONCRETE BEAM BRIDGE**

91'-0 & 106'-0 END SPANS 137'-0 CENTER SPAN

**SITUATION PLAN**

STATION: 939+47.12, 130' LT BTD BM

**WARREN COUNTY**

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION  
DESIGN SHEET NO. 2 OF 2 FILE NO. 30450 DESIGN NO. 312

**LEGEND OF CROSS SECTION SHEETS (ROAD)**

- - - - - - Existing Ground Line
- ===== Proposed Template
- ===== Proposed Topsoil Placement
- - - - - Additional Topsoil Removal
- ===== Subgrade Treatment
- - - - - Granular Shoulder
- ===== Pavement
- - - - - Existing Pipe\R/CB
- ===== Proposed Pipe\R/CB
- ===== Proposed Dike
- ===== All Elements Associated with Proposed Entrances

**LEGEND OF CROSS SECTION SHEETS (SOILS)**

- TS----- Topsoil (Class 10)
- TS A----- Topsoil (Type A Disposal)
- TS B----- Topsoil (Type B Disposal)
- TS C----- Topsoil (Type C Disposal)
- CL 10----- Class 10 Materials
- SEL LO----- Select Loams And Clay-Loams
- SEL SA----- Select Sand
- UNS A----- Unsuitable Type A Disposal
- UNS B----- Unsuitable Type B Disposal
- UNS C----- Unsuitable Type C Disposal
- SHALE----- Shale
- WASTE----- Waste
- B&W LS----- Broken and Weathered Rock
- ROCK----- Solid Rock
- BLDRS----- Boulders

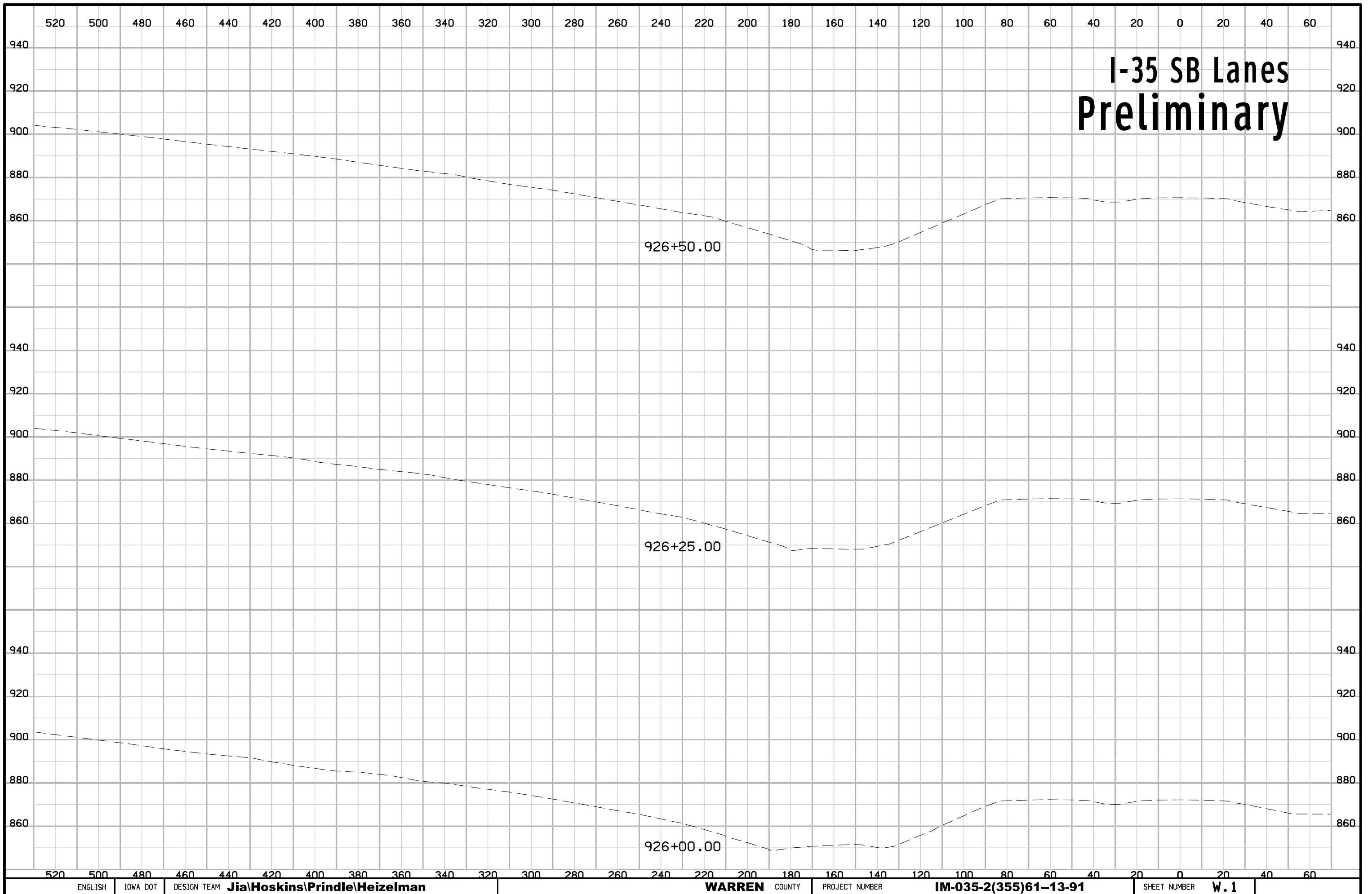
Note: All layer lines and descriptions identify layers above the line.

Note: Vertical or near vertical lines connecting soil layers at edges of cross sections are only for the purpose of calculating template quantities and do not depict soil stratification.

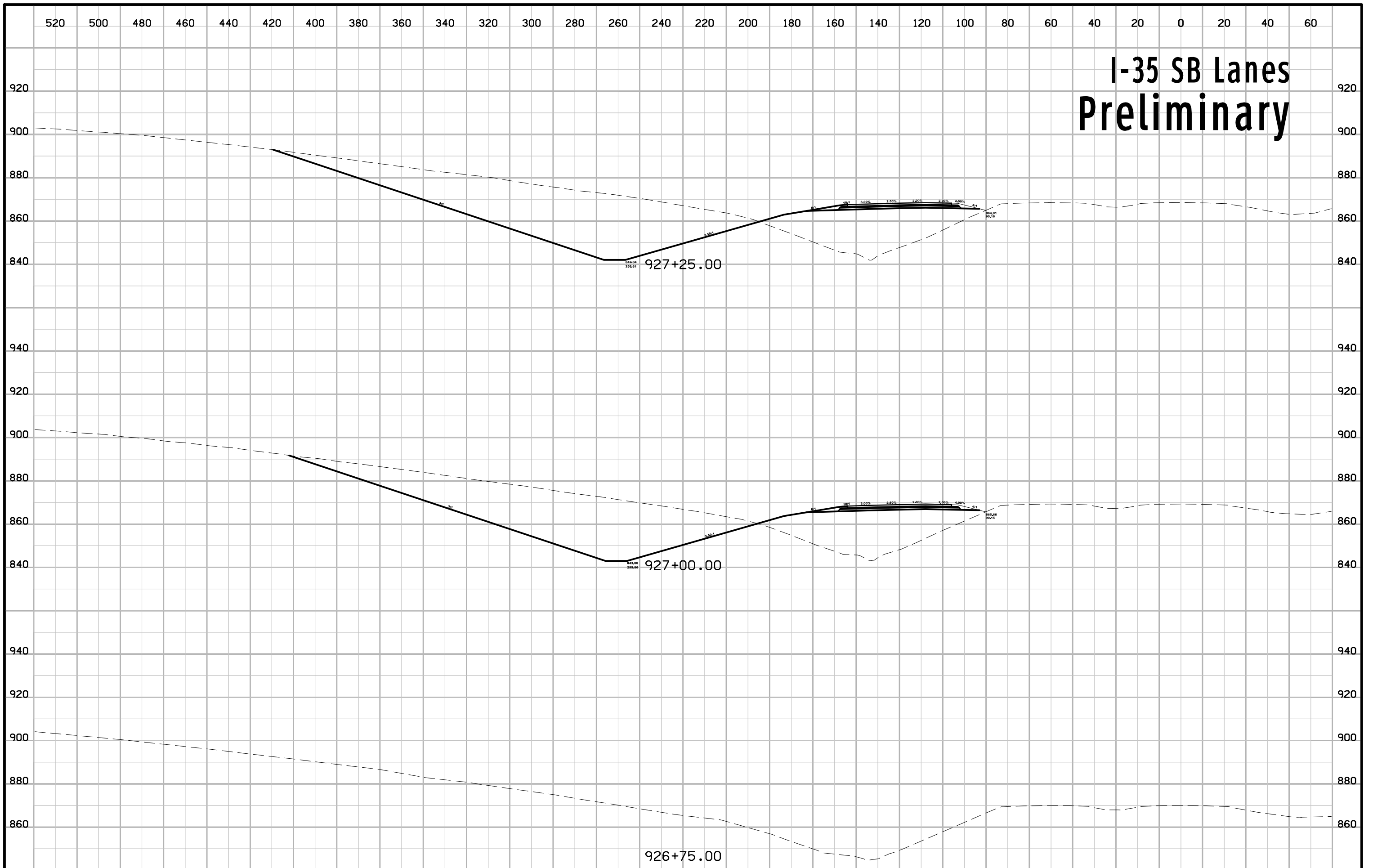
**CROSS SECTION  
LEGEND AND SYMBOL  
INFORMATION SHEET**

(COVERS SHEET SERIES W, X, Y, & Z)

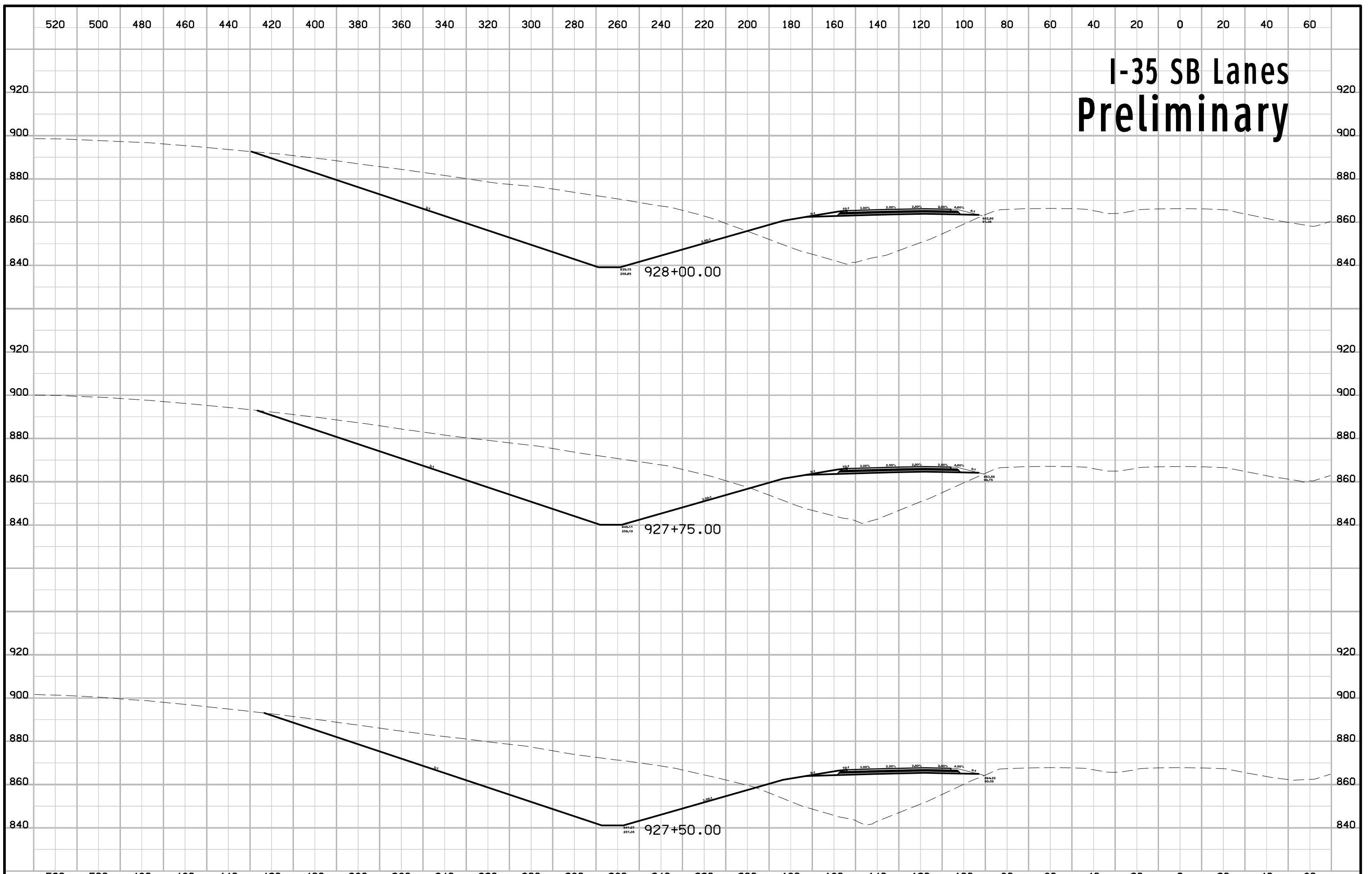
# I-35 SB Lanes Preliminary



# I-35 SB Lanes Preliminary

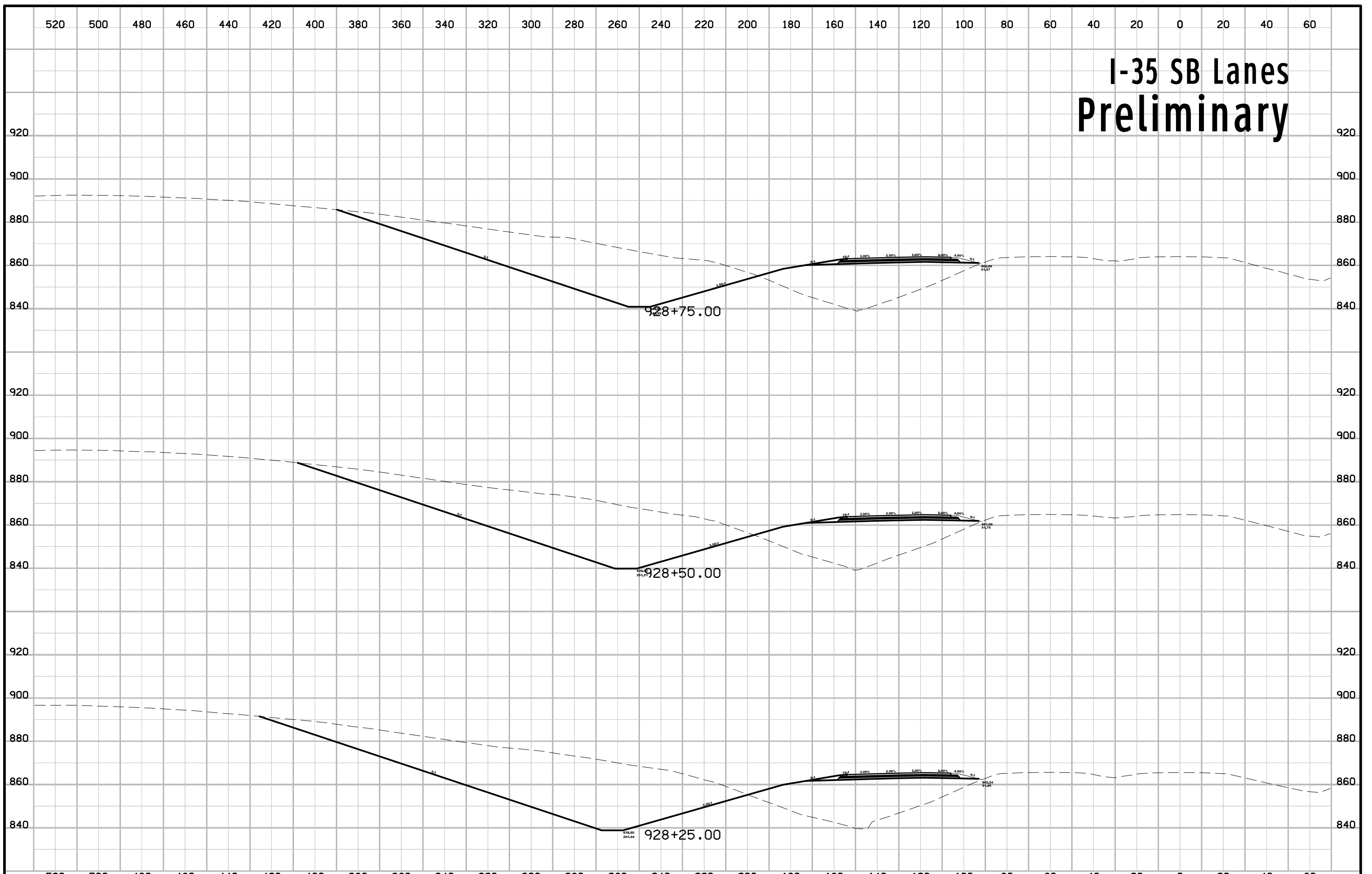


# I-35 SB Lanes Preliminary

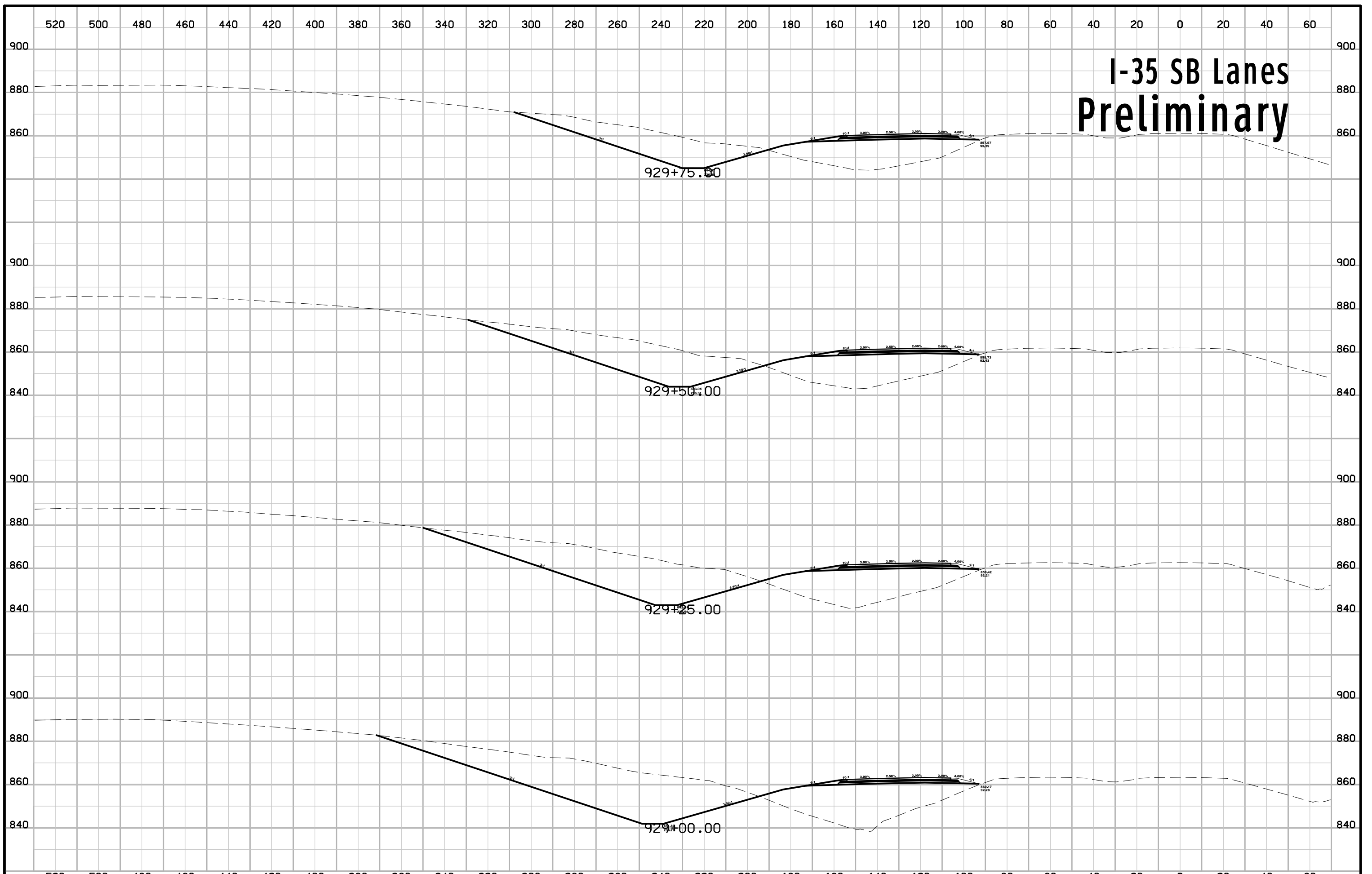




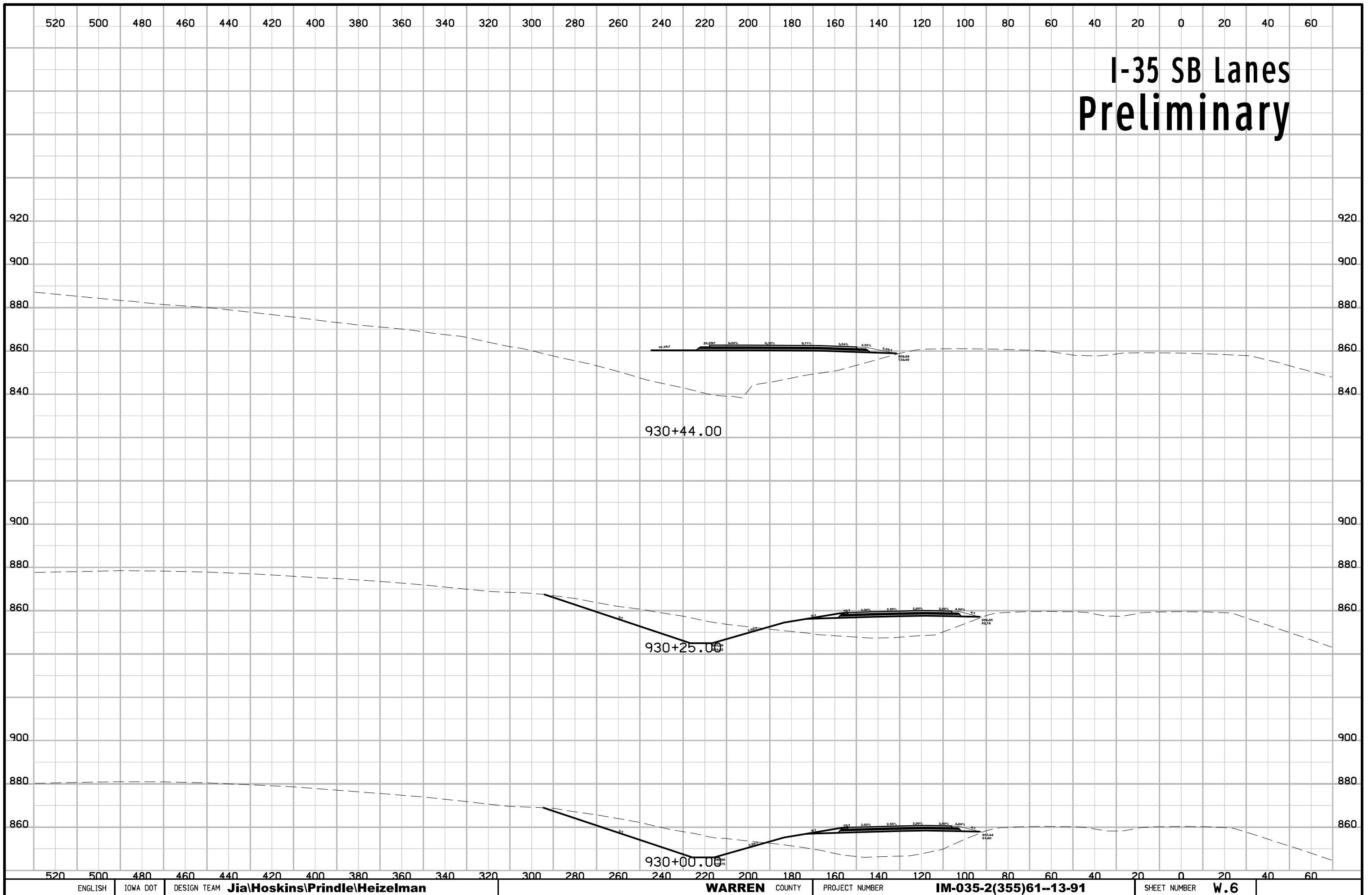
# I-35 SB Lanes Preliminary



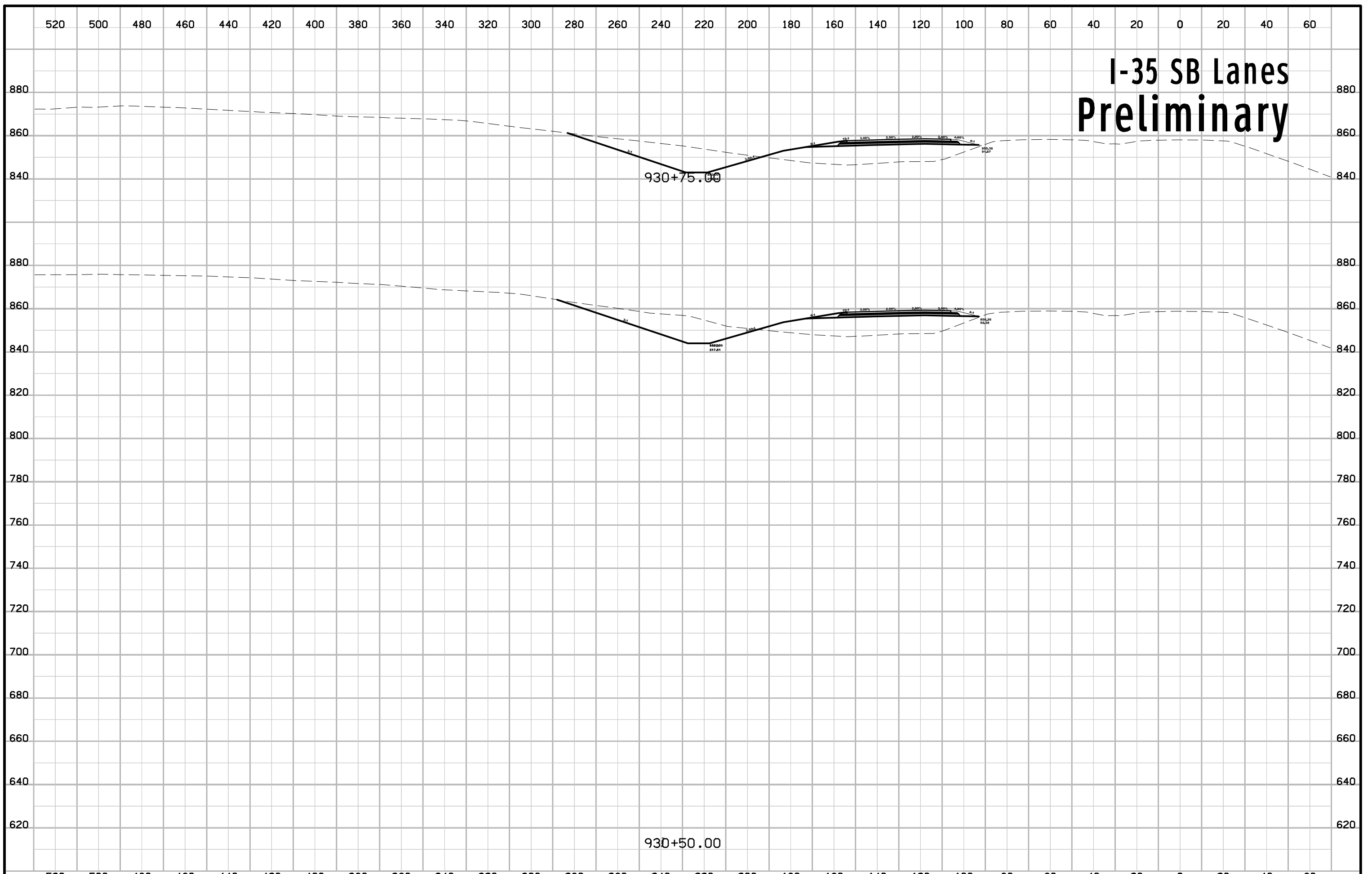
# I-35 SB Lanes Preliminary



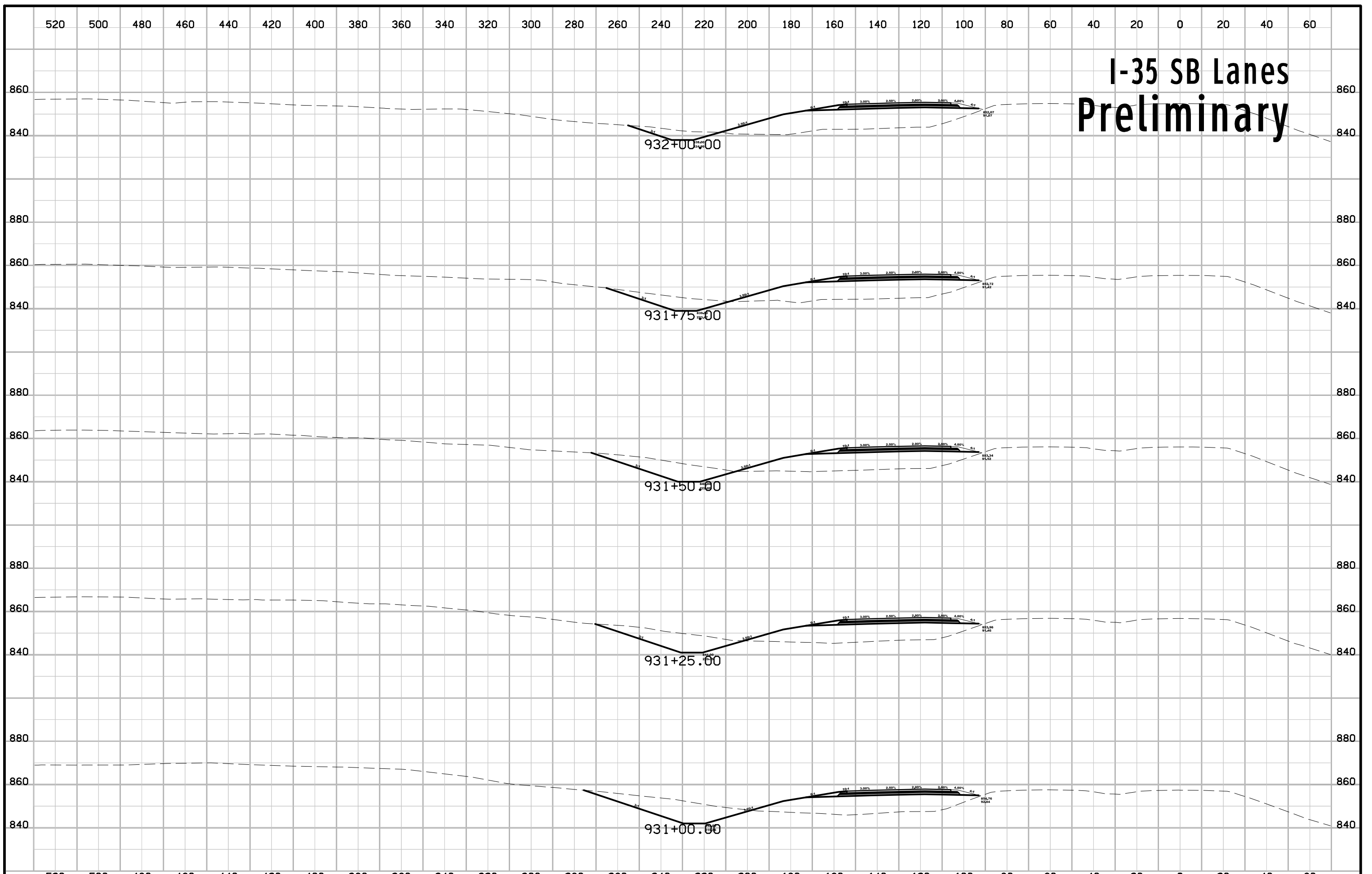
# I-35 SB Lanes Preliminary



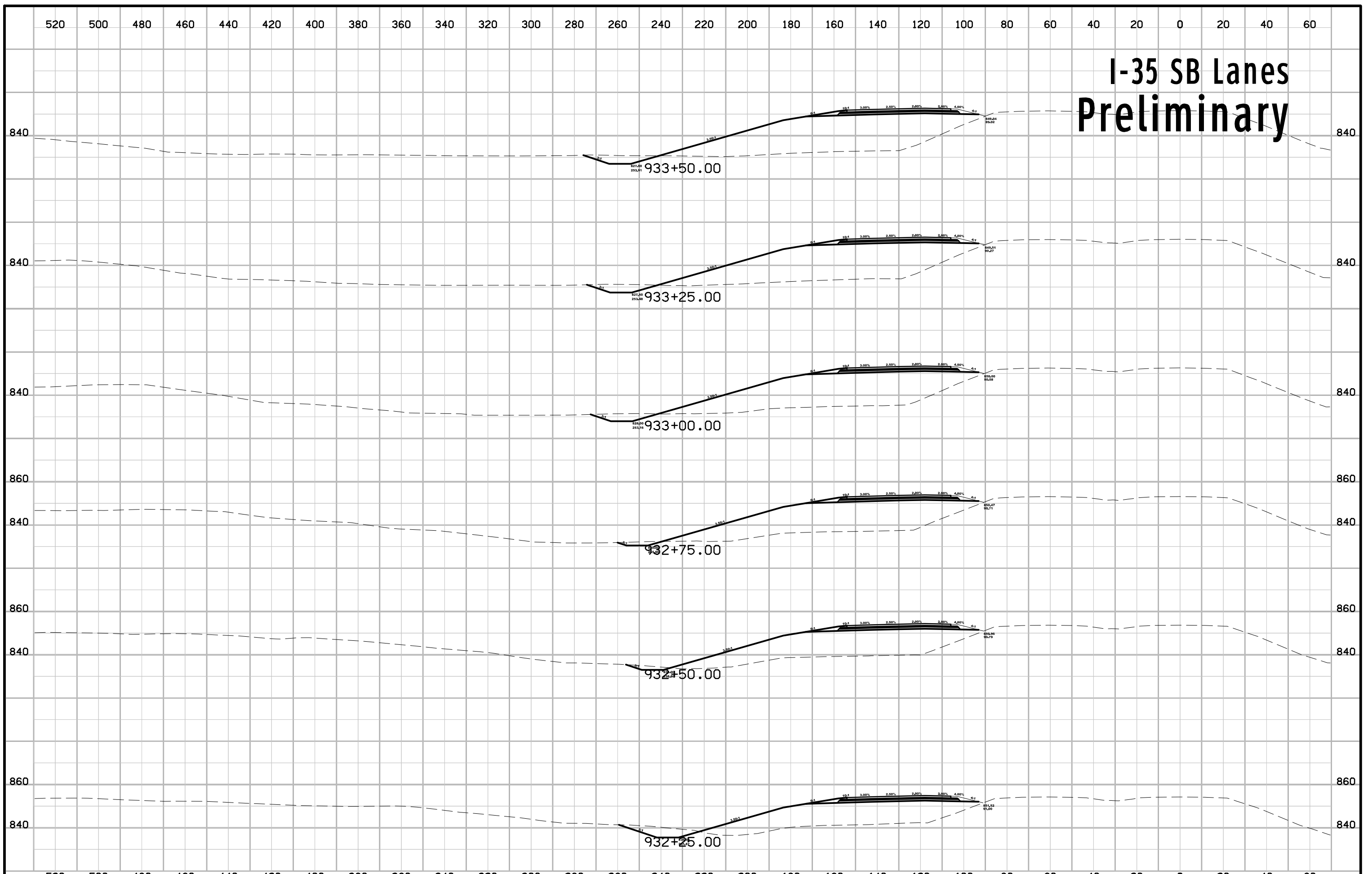
# I-35 SB Lanes Preliminary



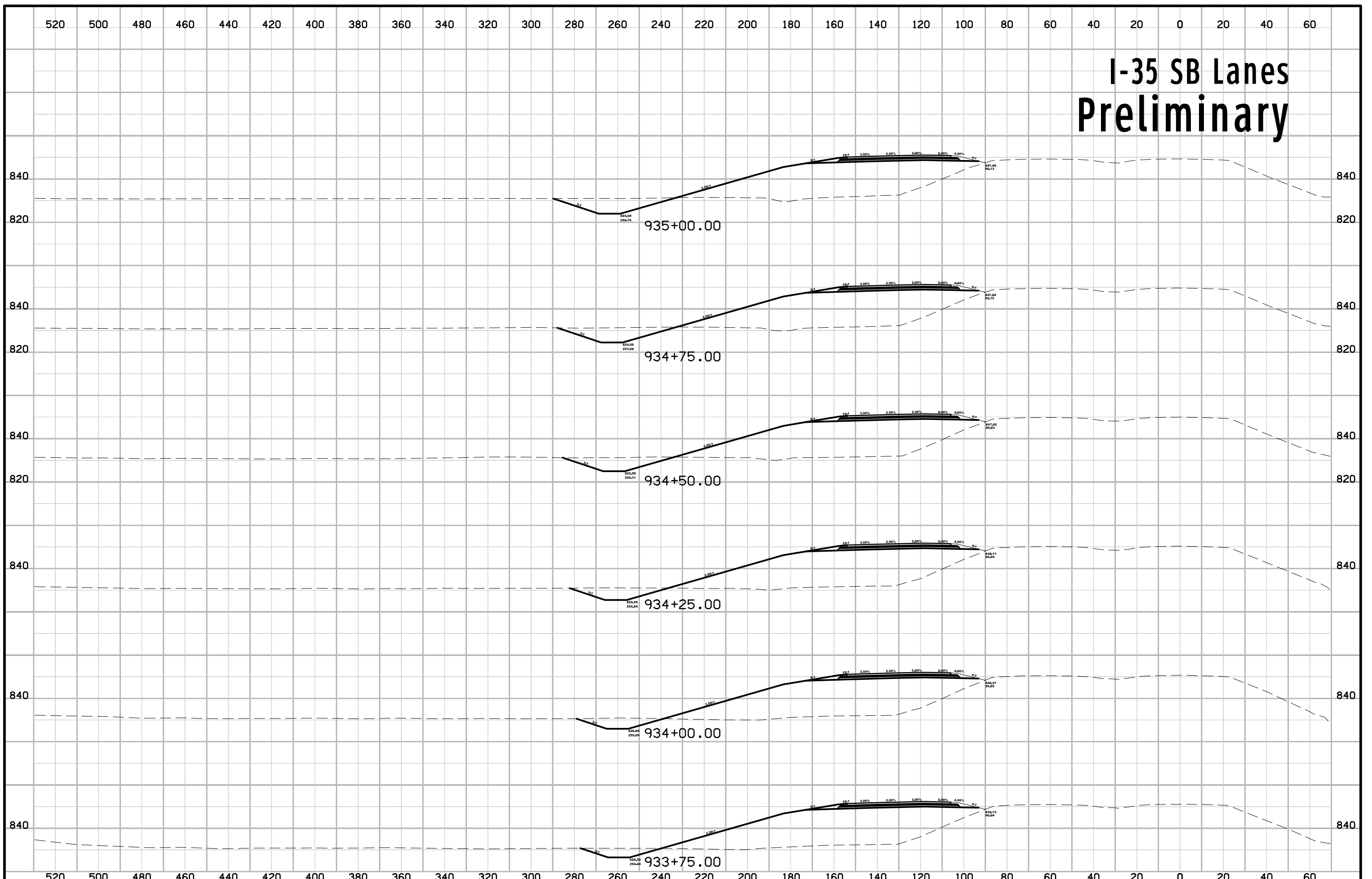
# I-35 SB Lanes Preliminary



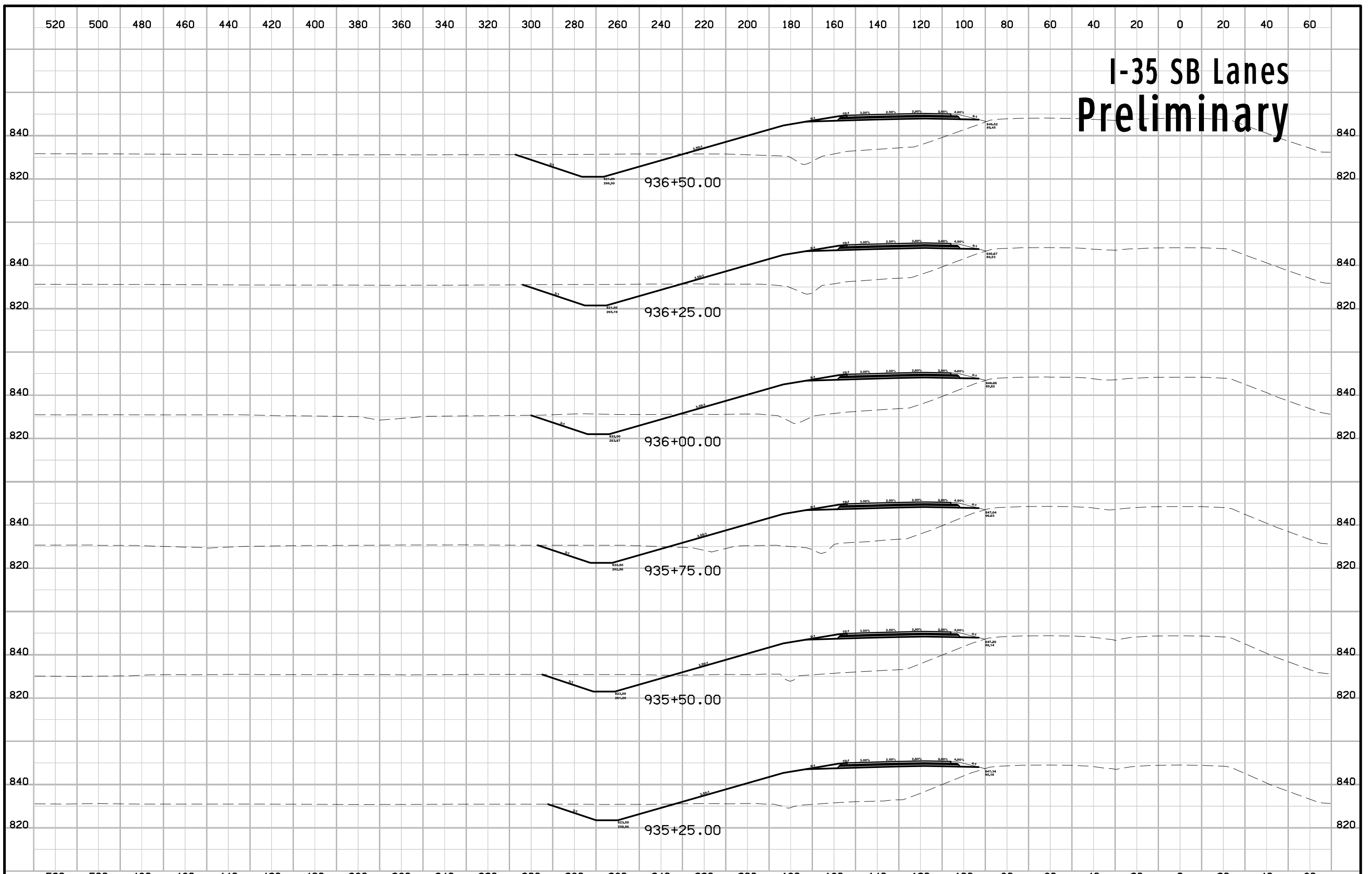
# I-35 SB Lanes Preliminary



# I-35 SB Lanes Preliminary

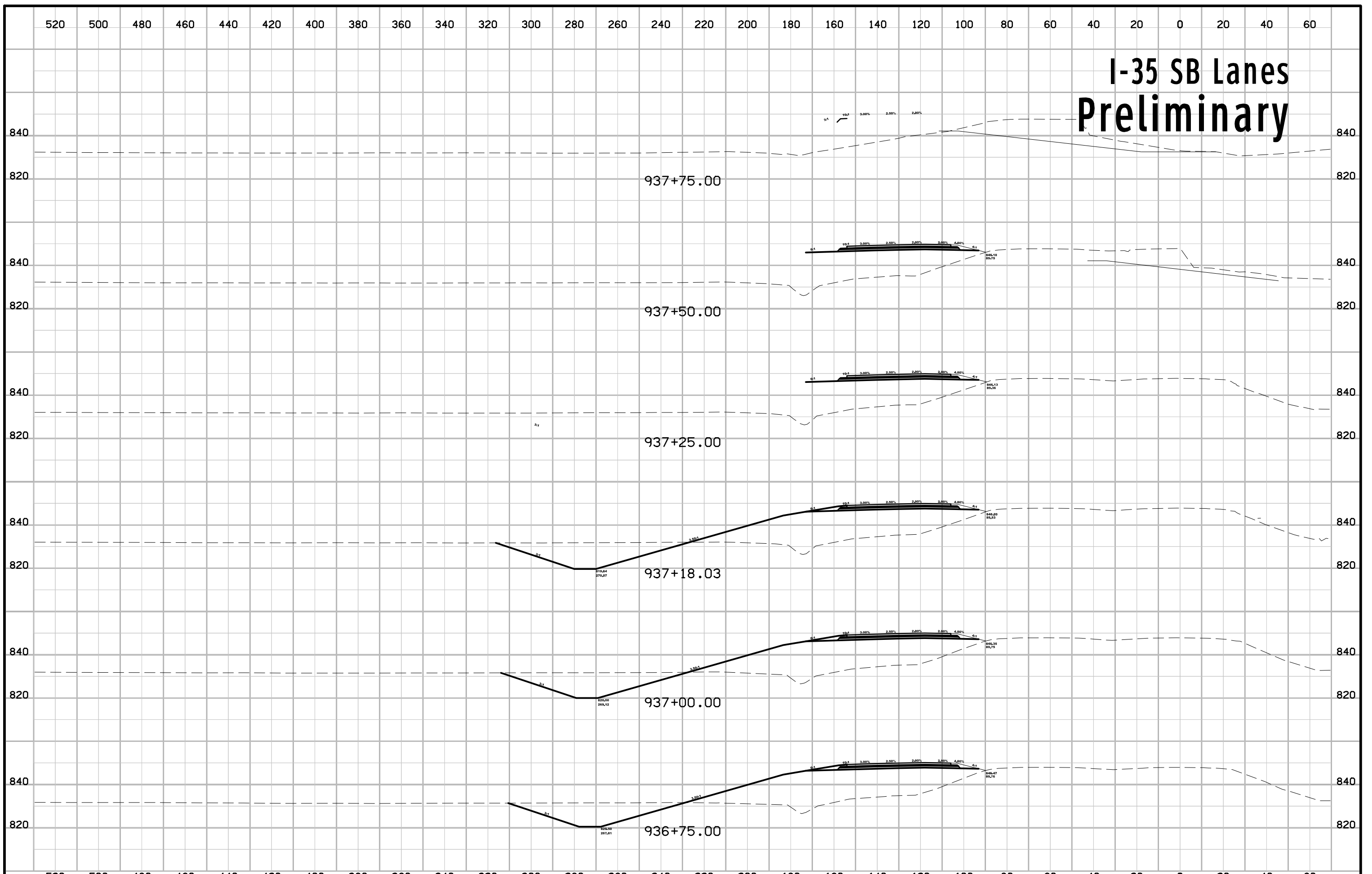


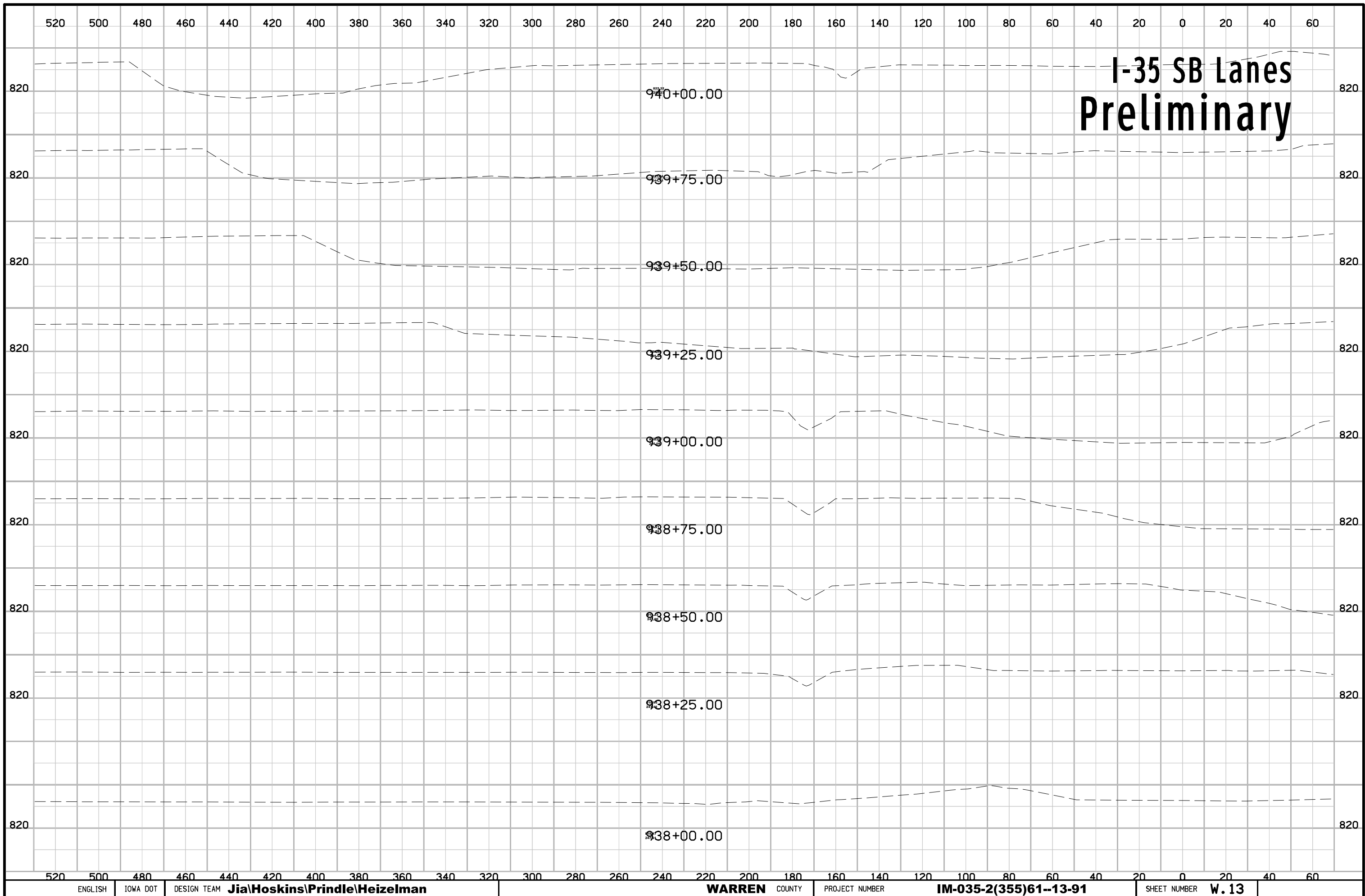
# I-35 SB Lanes Preliminary



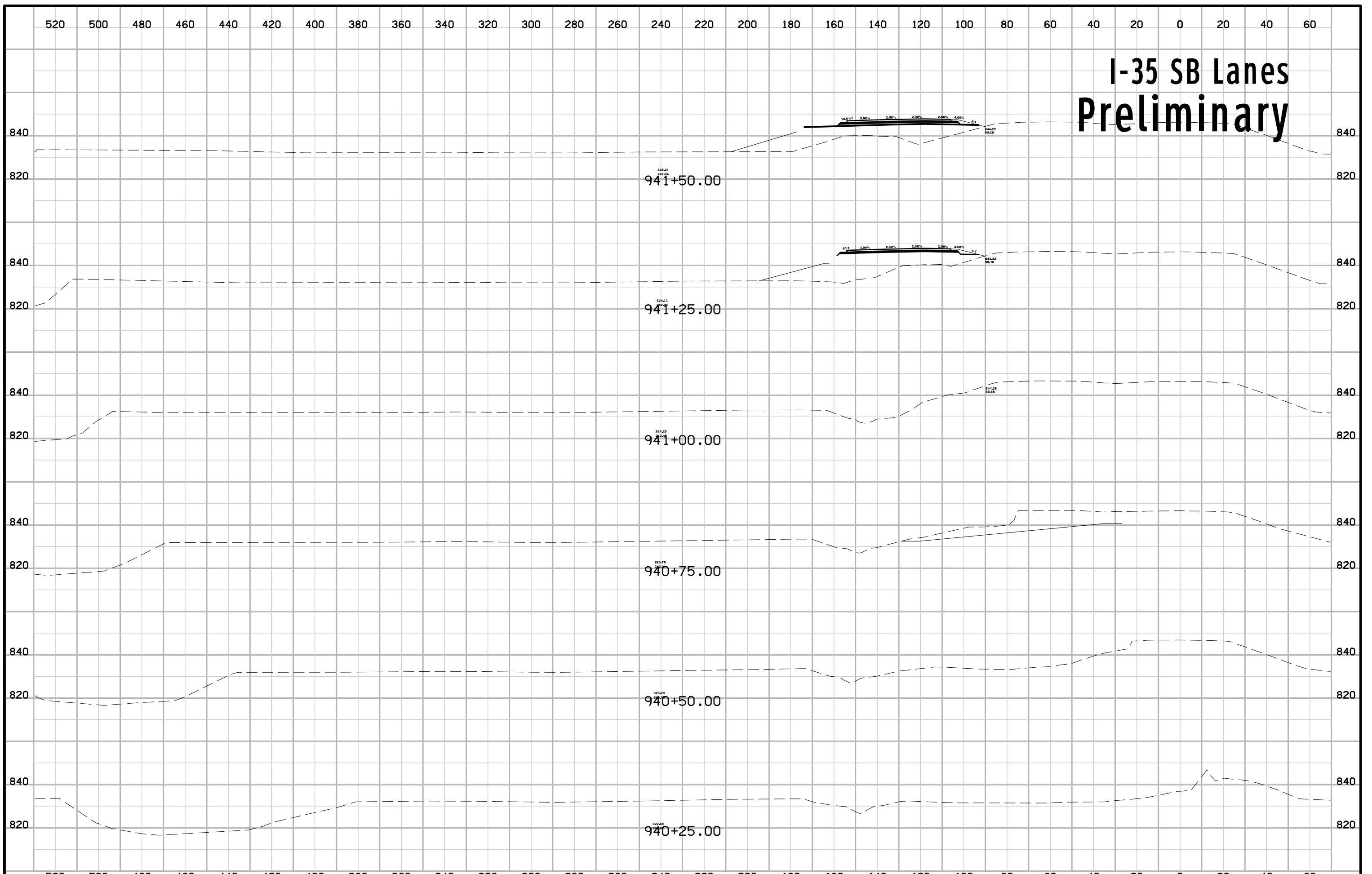


# I-35 SB Lanes Preliminary

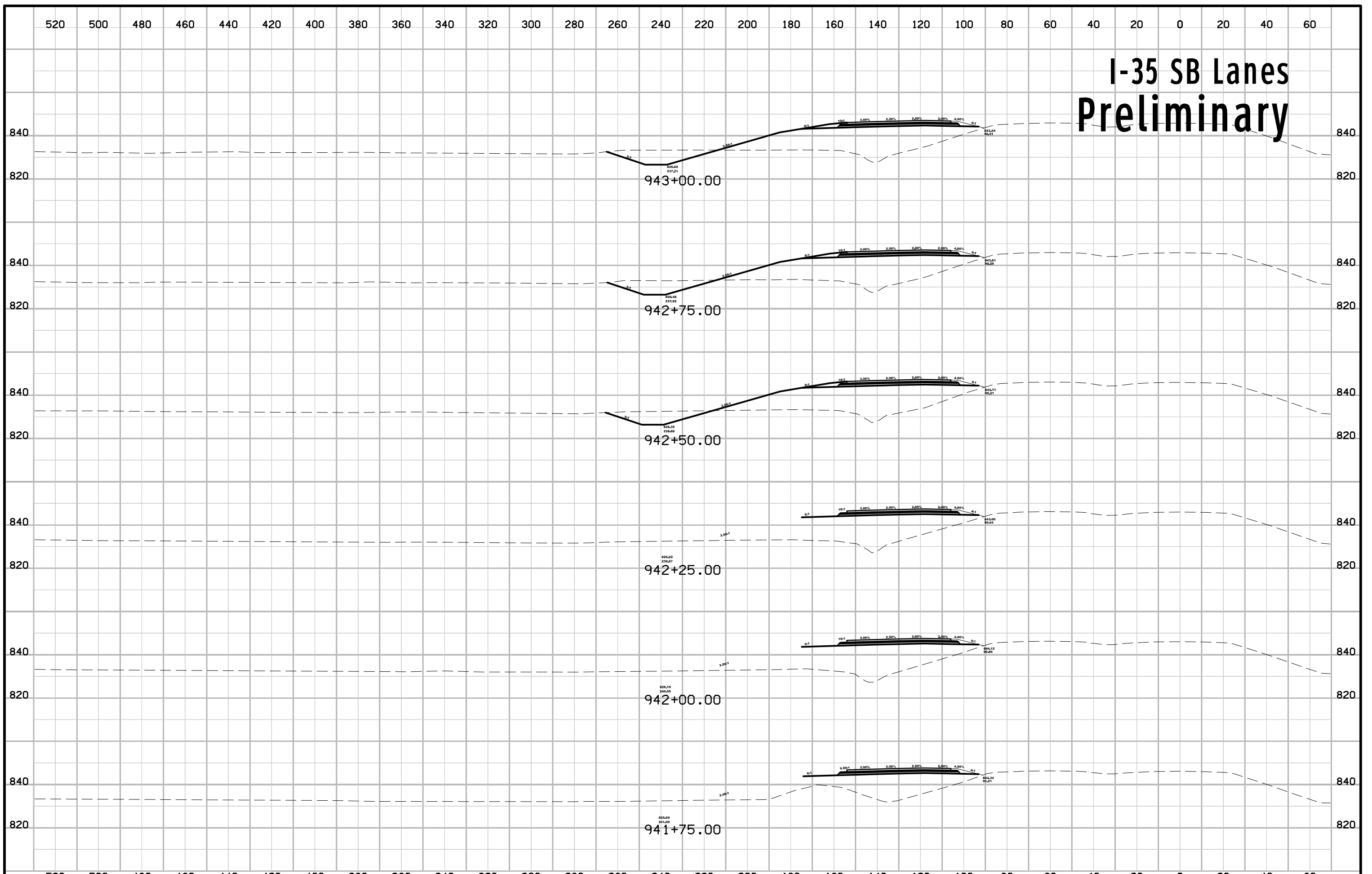




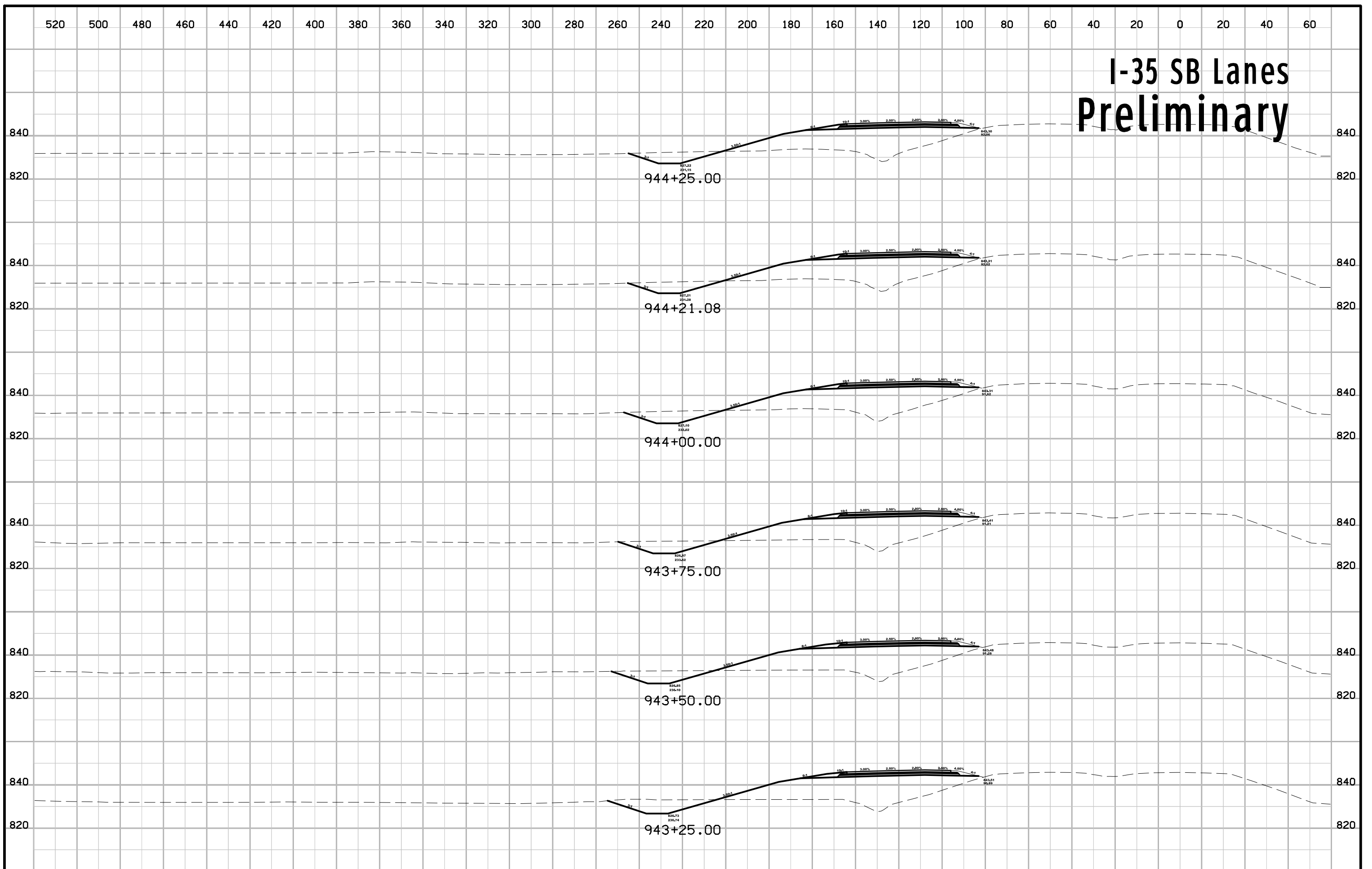
# I-35 SB Lanes Preliminary



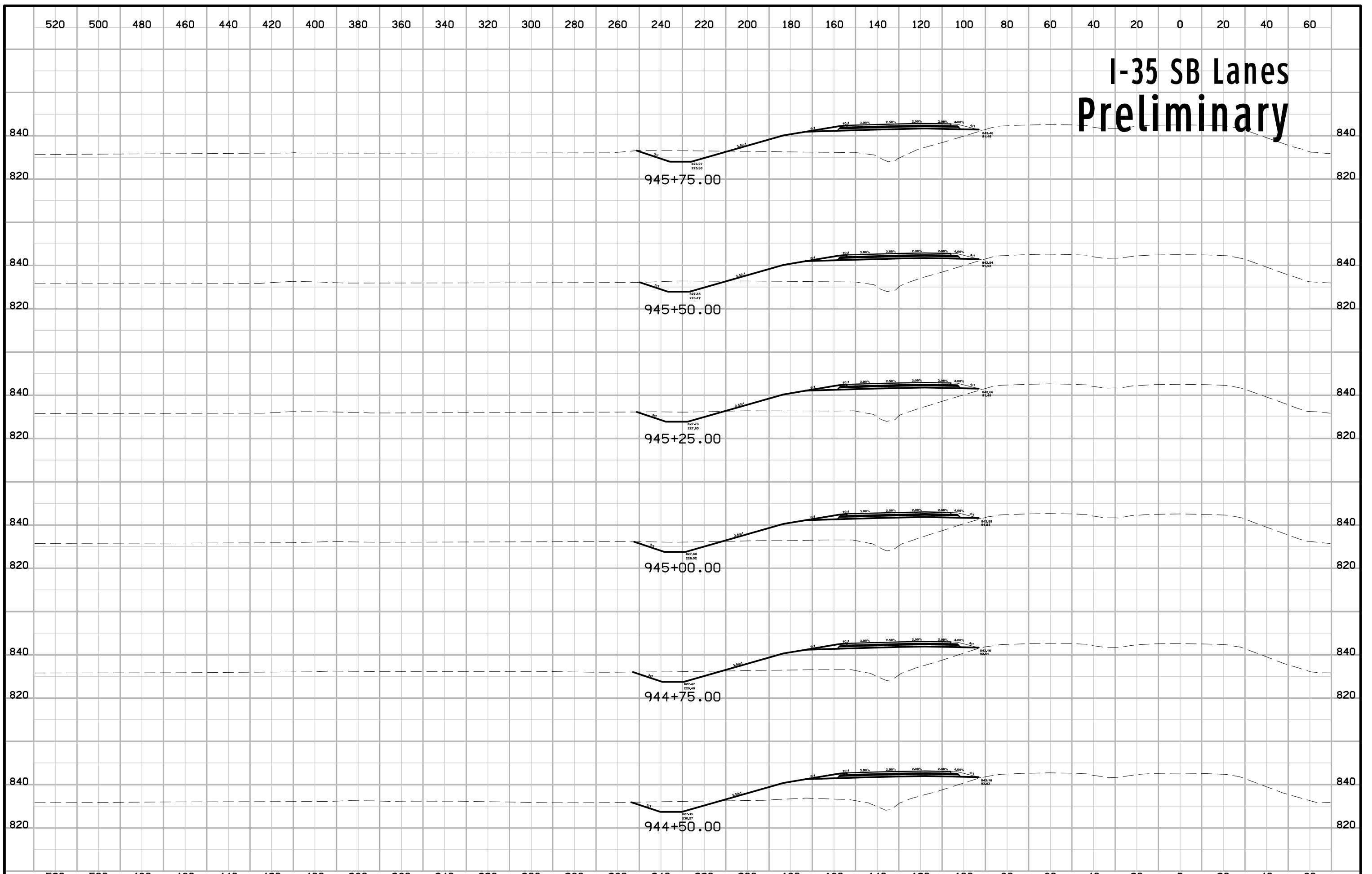
# I-35 SB Lanes Preliminary



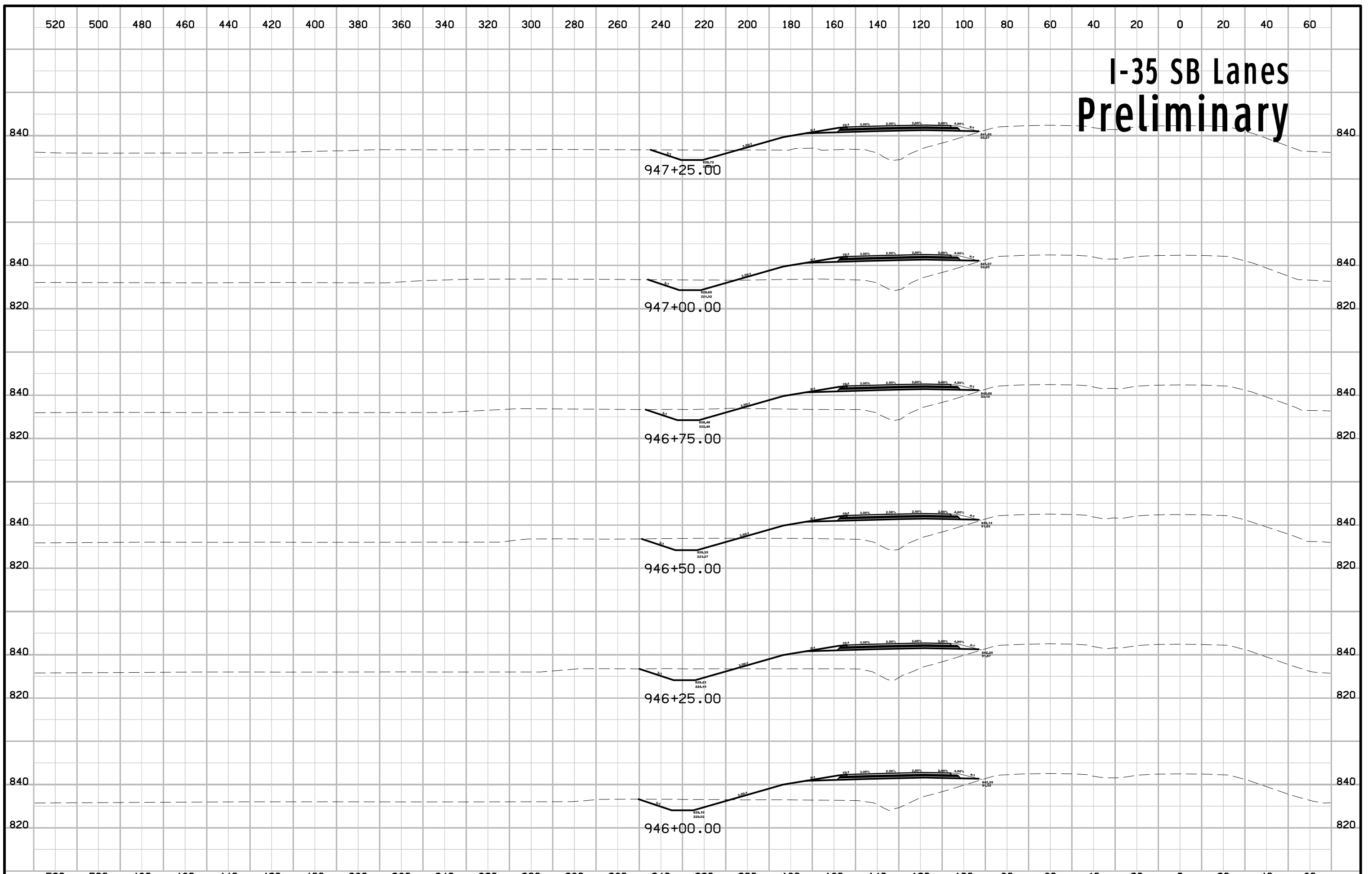
# I-35 SB Lanes Preliminary

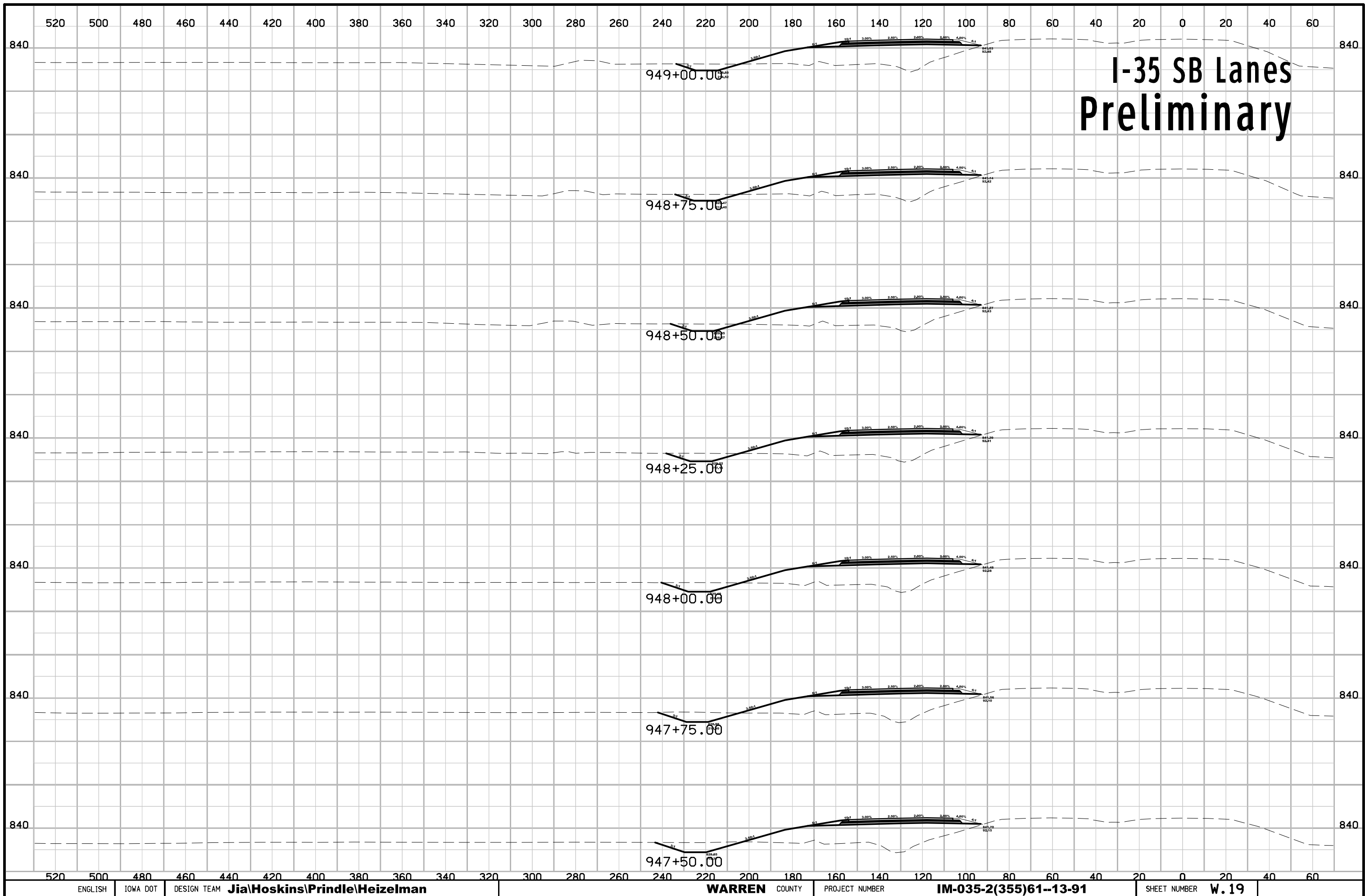


# I-35 SB Lanes Preliminary



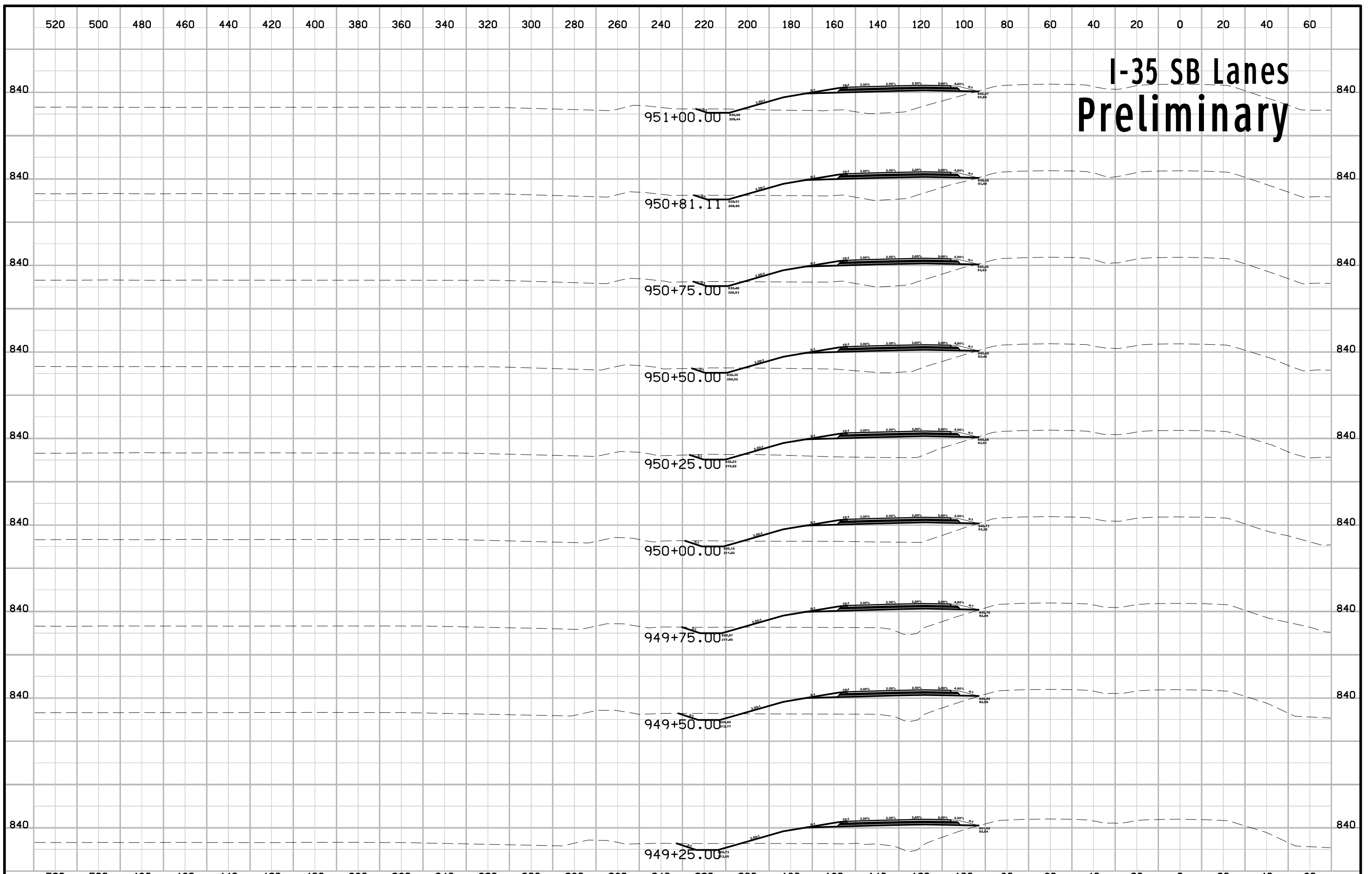
# I-35 SB Lanes Preliminary



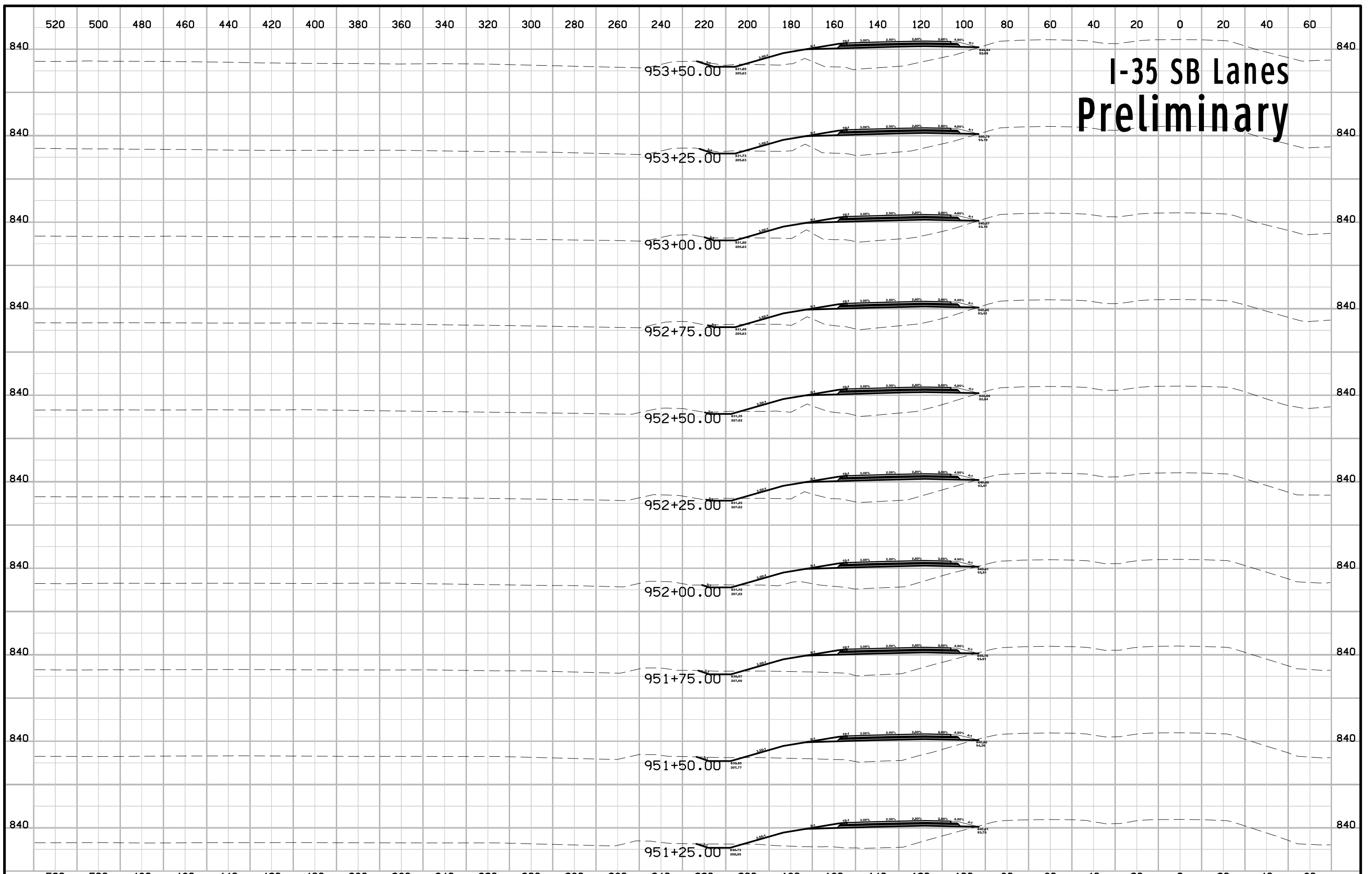




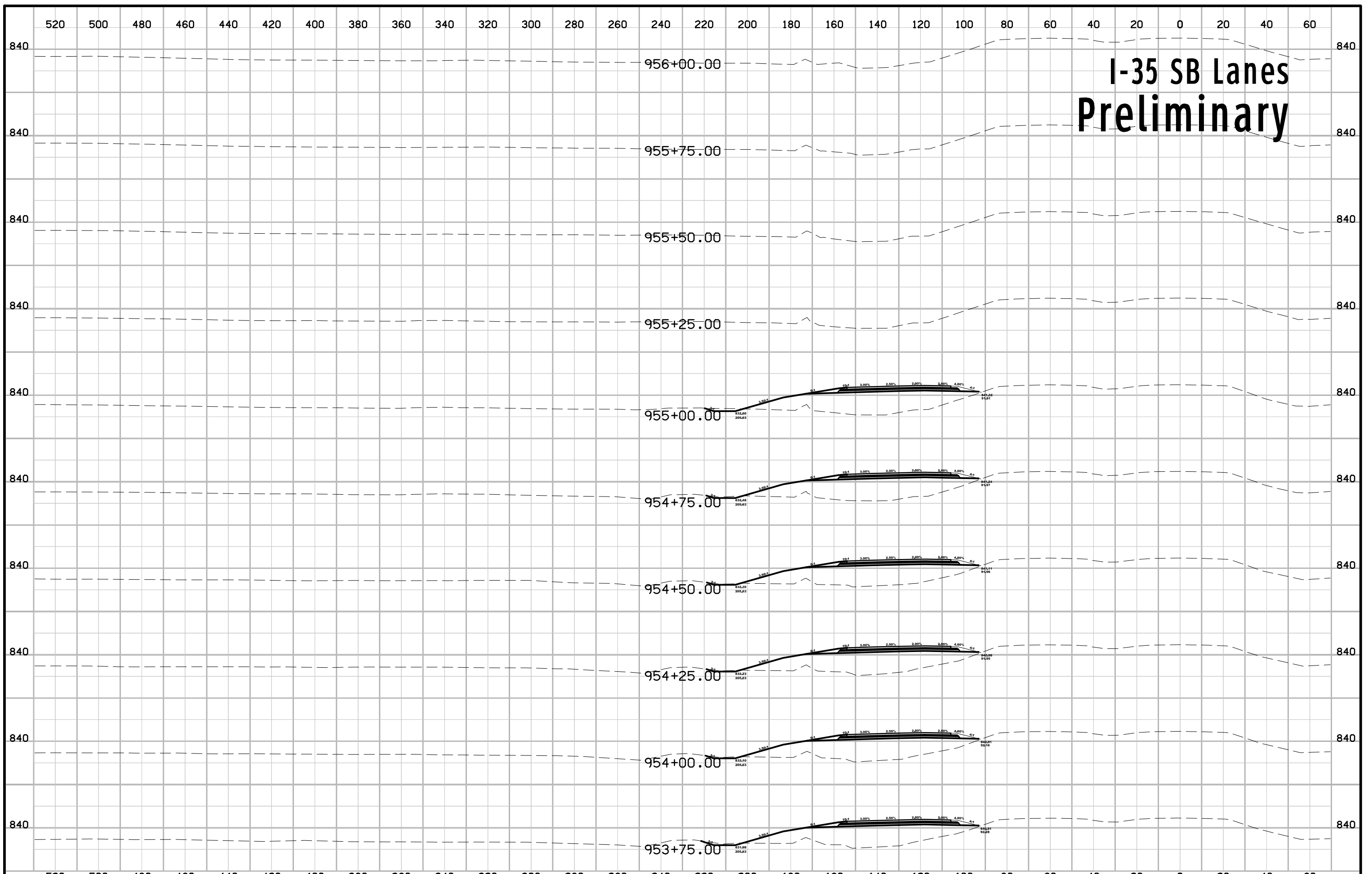
# I-35 SB Lanes Preliminary



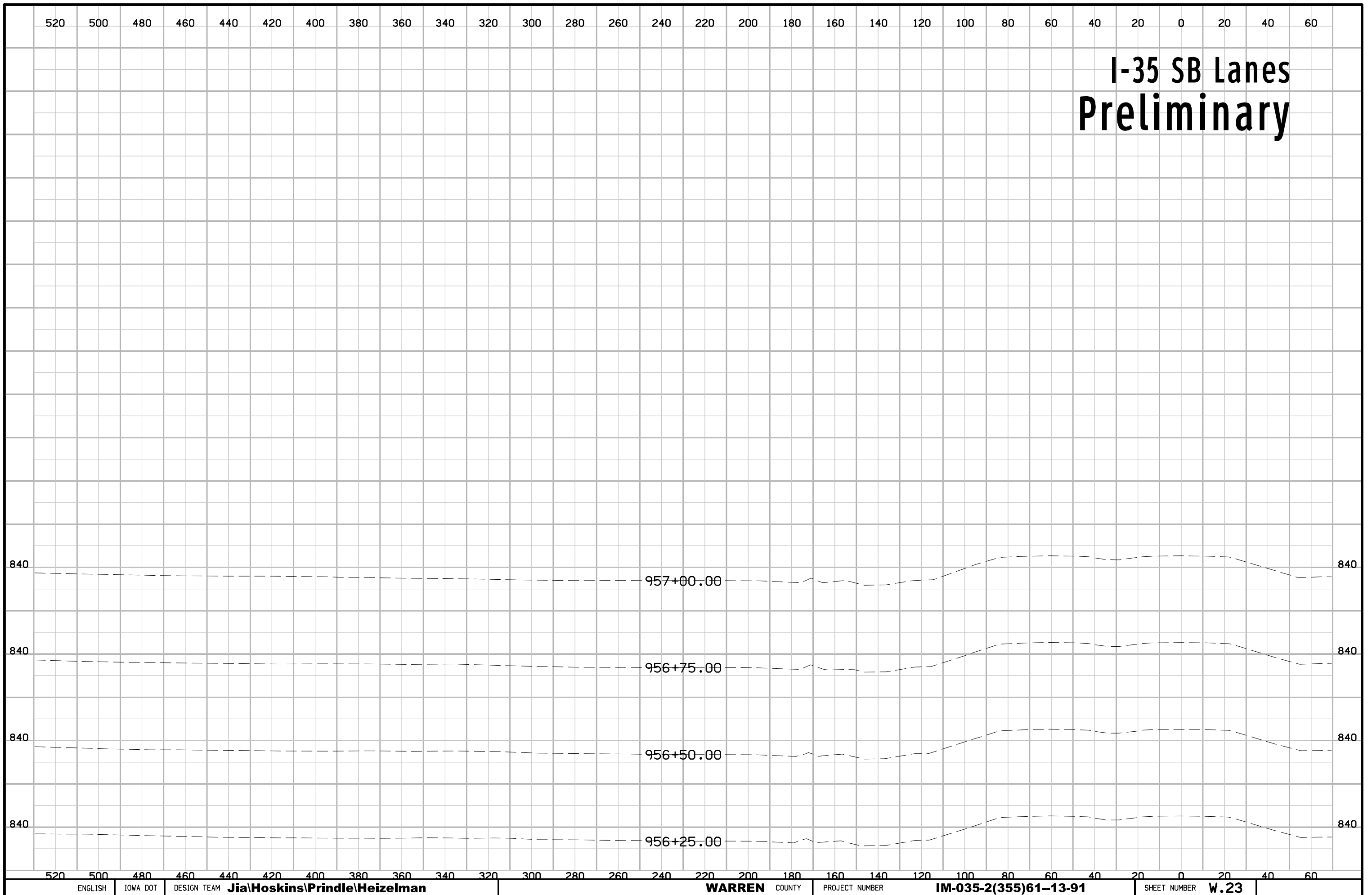
# I-35 SB Lanes Preliminary



# I-35 SB Lanes Preliminary



# I-35 SB Lanes Preliminary



ENGLISH IOWA DOT

DESIGN TEAM **Jia\Hoskins\Prindle\Heizelman**

**WARREN** COUNTY

PROJECT NUMBER

**IM-035-2(355)61--13-91**

SHEET NUMBER **W.23**