

PCC PAVEMENT WIDENING  
 STPN-044-5(28)--2J-25  
 LETTING DATE  
 02-18-2020

**DALLAS CO.**



## Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

# PRIMARY ROAD SYSTEM DALLAS COUNTY PCC PAVEMENT WIDENING

Co Rd R30 Intersection 2 mi W of Polk Co Line

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



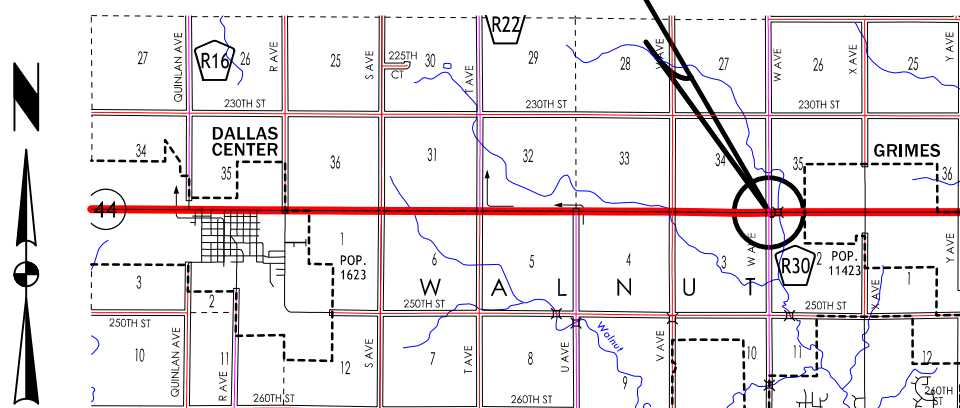
REVISIONS

TOTAL	--
PROJECT IDENTIFICATION NUMBER	19-25-044-010
PROJECT NUMBER	STPN-044-5(28)--2J-25
R.O.W. PROJECT NUMBER	STPN-044-5(29)--2J-25

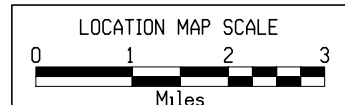
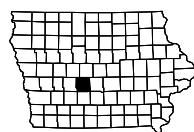
### INDEX OF SHEETS

No.	DESCRIPTION
<b>A Sheets</b>	<b>Title Sheets</b>
* A.1	Title Sheet
* A.1	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	"Mainline Name"
<b>J Sheets</b>	<b>Traffic Control and Staging Sheets</b>
J.2	Staging Notes Stage
* J.2	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.3 - 11	Staging and Traffic Control Sheets Stage ??
<b>W Sheets</b>	<b>Mainline Cross Sections</b>
W.1 - 43	Mainline Cross Sections
	* Color Plan Sheets

Project Location



Letting - Date: 2-18-2020  
 D7 PLAN - Date: 12-3-2019



DESIGN DATA RURAL			
2021	AADT	8,000	V.P.D.
2041	AADT	17,000	V.P.D.
2041	DHV	1,760	V.P.H.
	TRUCKS	9	%
	Total		
	Design ESALs	--	

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

**PRELIMINARY PLANS**

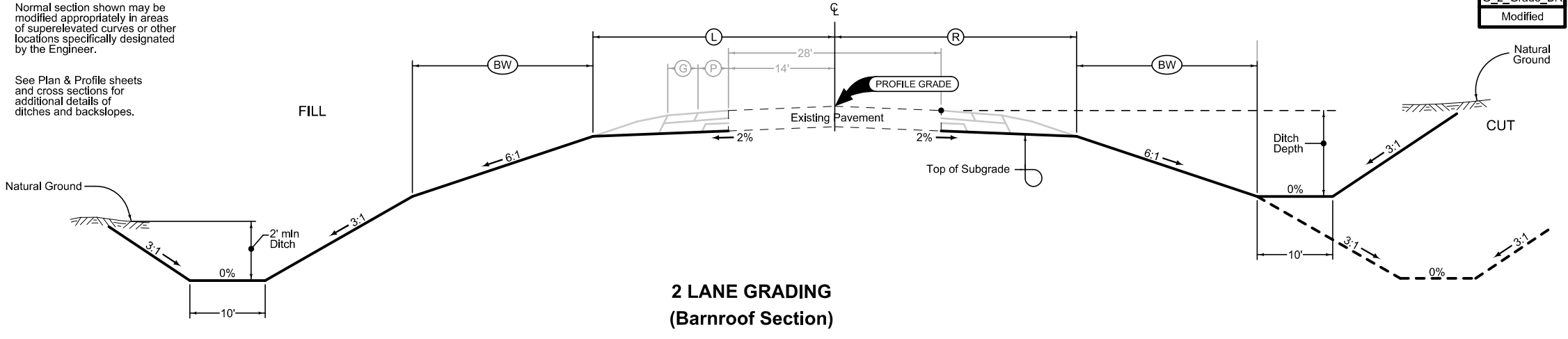
Subject to change by final design.

Revised D5 PLAN -  
 Date: 7-18-2019

LOCATION		DIMENSIONS		
ROAD IDENTIFICATION	STATION TO STATION	(L)	(R)	(BW)
		Feet	Feet	Feet
IA 44	1158+62	1160+50	21.1-23.6	
IA 44	1160+50	1166+60	34.0-39.0	
IA 44	1168+37	1174+50	61.5-33.0	
IA 44	1174+50	1179+00	25.0-15.0	
IA 44	1160+51	1160+73	32.9-35.0	
IA 44	1160+73	1166+22	35.0-46.2	

Normal section shown may be modified appropriately in areas of super-elevated curves or other locations specifically designated by the Engineer.

See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.



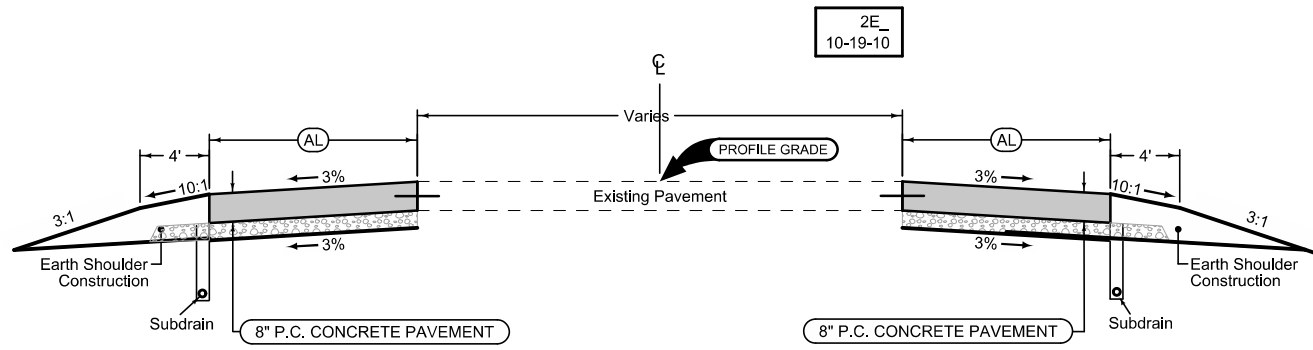
G\_2\_Grade\_BR  
Modified

**2 LANE GRADING  
(Barnroof Section)**

**Auxiliary Lane**

Longitudinal joint: L or KT  
Transverse joint: Match Mainline

2_AuxLane_PCC_10-18-16		(AL)
STATION TO STATION		Feet



**Auxiliary Lane**

Longitudinal joint: L or KT  
Transverse joint: Match Mainline

2_AuxLane_PCC_10-18-16		(AL)
STATION TO STATION		Feet

See Tab 100-24 or 100-25 for pavement quantities.  
See Tab 112-9 for shoulder quantities.

**IA 44 Widening**

**SS1**  
**SPECIAL**

STATION TO STATION	(P) Feet	SY	Special Backfill Tons	Earth Shoulder Construction Sta.

PCC Shoulder Jointing:  
Longitudinal joint: B  
Transverse joints: C at 20' spacing  
HMA Shoulder Jointing:  
Longitudinal joint: B  
Pavement bid as Detour Pavement

1'

3%

3:1

Existing Pavement

12" Special Backfill

Class 10 Excavation

Earth Shoulder Construction

8" PCC OR 9" HMA STRENGTHENED SHOULDER

Possible Existing Subdrain














① Remove a nominal 4' of HMA Paved Shoulder. Refer to J sheets for additional information.

**Shoulder Strengthening Alternates**







**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 "In conjunction with a paving project"
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

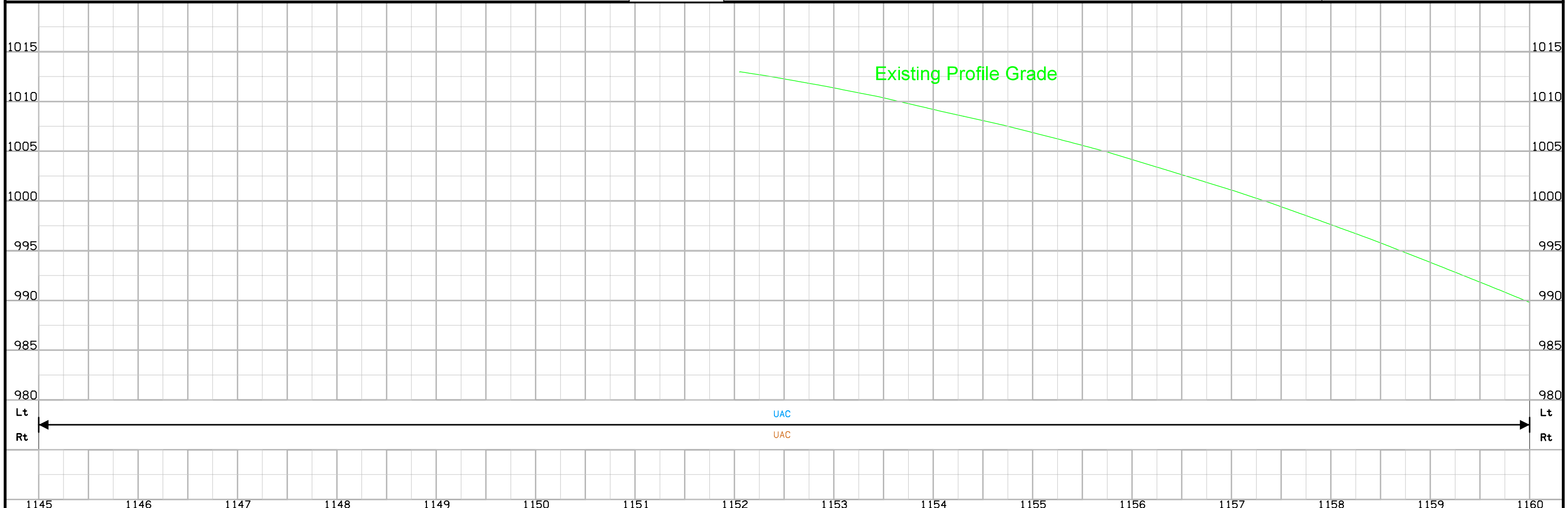
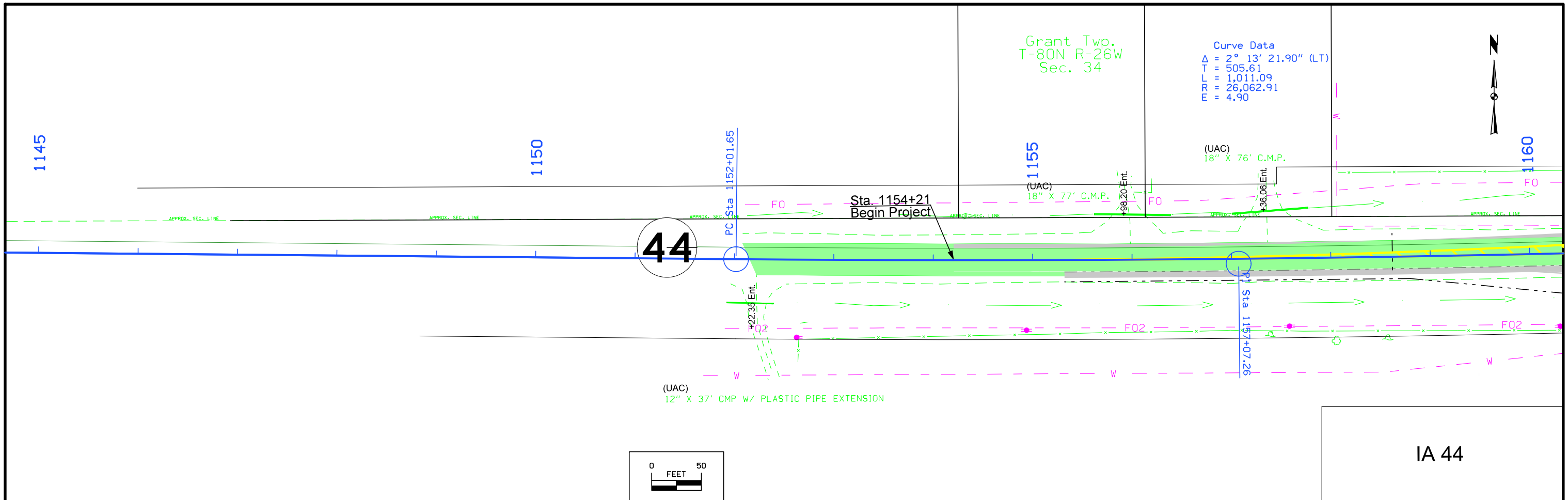
	Reference Point
	Station
	Survey Line
	Section Corner
	Ground Line Intercept
	Saw Cut
	Guardrail
	Trench Drain
	HighTension Cable Guardrail
	Sheet Pile
	Pavement Removal
	Clearing & Grubbing Area

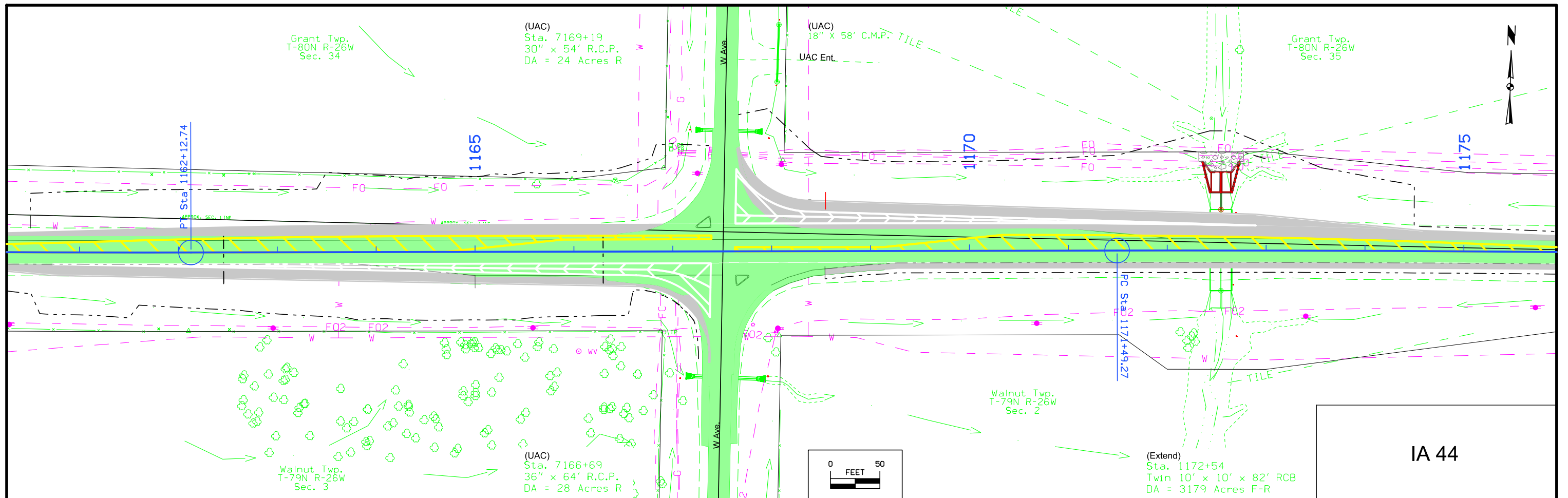
RIGHT-OF-WAY LEGEND	
	Proposed Right-of-Way
	Existing Right of Way
	Existing and Proposed Right-of-Way
	Easement and Existing Right-of-Way
	Easement (Temporary)
	Easement
	Access Control
	Property Line

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

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



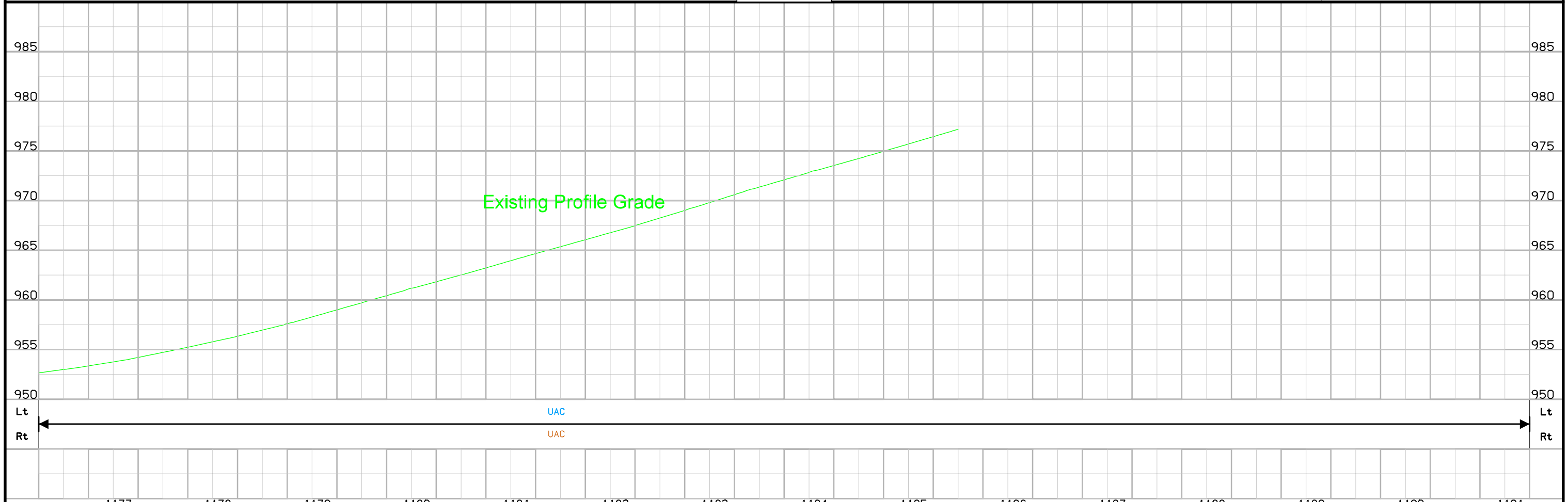
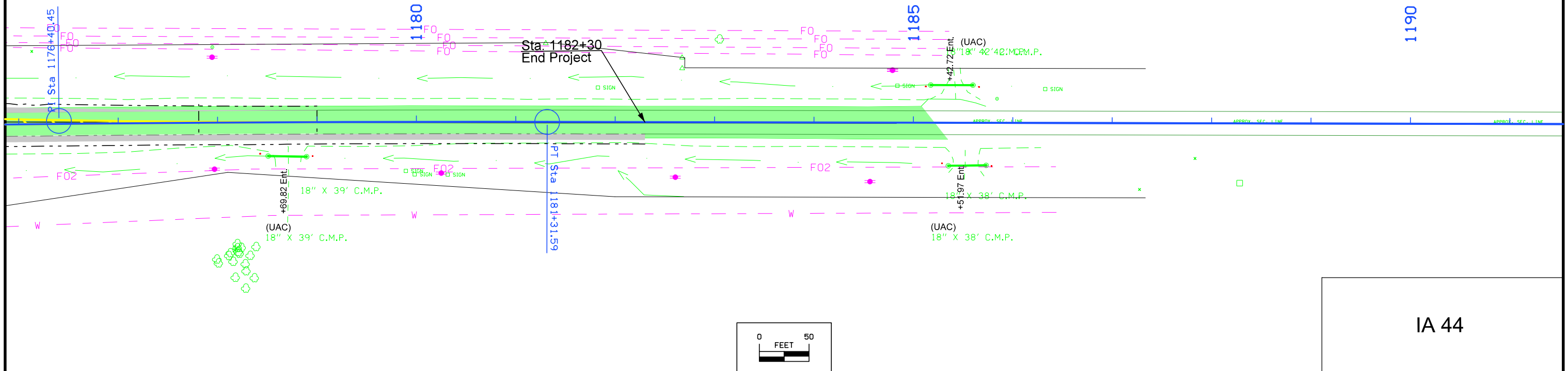




Grant Twp.  
T-80N R-26W  
Sec. 35



Curve Data  
Δ = 1° 23' 21.56" (RT)  
T = 491.18  
L = 982.31  
R = 40,510.61  
E = 2.98



Dallas	ROW: STPN-044-5(29)--2J-25			PIN	19-25-044-010															
	Co Rd R30 Intersection 2 mi W of Polk Co Line																			
			STATE		COUNTY			CITY		TEMP EASE		BORROW								
PARCEL NO	OWNER NAME	FEE	EASE	FEE	EASE	FEE	EASE	EXCESS			FEE	T.E.	MITIGATION	OTHER	HOUSE	BUILDING(S)	A/C ONLY	TOTAL ACQ.		
1	Hope K. Farms - Fee		0.13 AC																	
2	Marilyn I Greif - Fee		0.13 AC																	
2 Parcels	"TOTALS	0 AC	0.26 AC	0 AC	0 AC	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	0 SF	0 SF	0 SF	0 SF	0 SF	0 SF	0 SF	0 SF	0 SF	0 SF					

NO ACCESS RIGHTS ARE TO BE ACQUIRED ON THIS PROJECT.

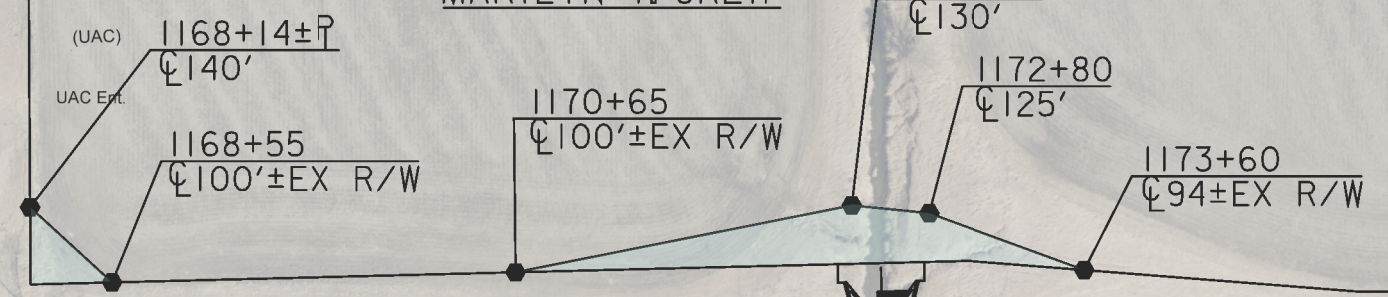
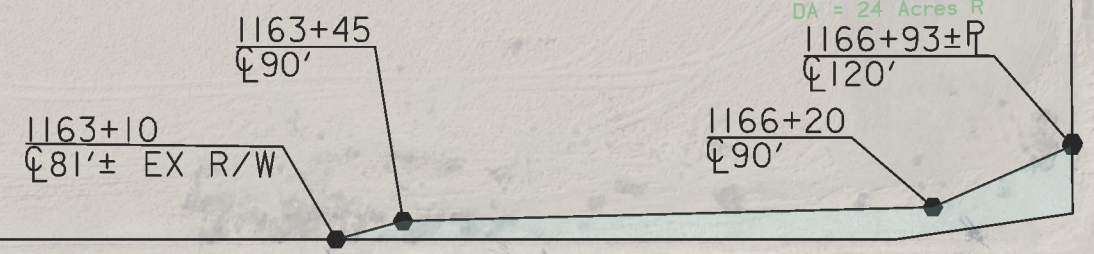


Grant Twp.  
T-80N R-26W  
Sec. 34

Grant Twp.  
T-80N R-26W  
Sec. 35

①  
HOPE K. FARMS

②  
MARILYN I. GREIF



(UAC)  
Sta. 7169+19  
30" x 54' R.C.P.  
DA = 24 Acres R

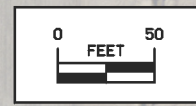
(UAC)  
Sta. 7166+69  
36" x 64' R.C.P.  
DA = 28 Acres R

(Extend)  
Sta. 1172+54  
Twin 10' x 10' x 82' RCB  
DA = 3179 Acres F-R

Walnut Twp.  
T-79N R-26W  
Sec. 3

Walnut Twp.  
T-79N R-26W  
Sec. 2

Right of Way Design Information	
<b>THIS SHEET INCLUDED FOR INFORMATION ONLY</b>	
ROW Team: ATINKEN /JLARSON	
ROW #: STPN-044-5(29)--2J-25	
Plan Date: 07/22/19	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition














**CROSS SECTION VIEW COLOR LEGEND  
OF TRAFFIC CONTROL AND STAGING SHEETS**

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Med	(237)	Future Proposed Pavement Shading

**CROSS SECTION VIEW PATTERN AND SYMBOL LEGEND  
OF TRAFFIC CONTROL AND STAGING SHEETS**













	Pavement Removal		Proposed Granular Shoulder
	Proposed Granular Subbase		Temporary Shoulder
	Proposed Special Backfill		Existing Shoulder Strengthening
	Temporary Barrier Rail		Permanent Barrier Rail
			Channelizing Device

**PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS**

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Magenta	(5)	Pavement Marking Call Outs
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Yellow	(4)	Pavement Markings, Yellow
Off White	(254)	Pavement Markings, White
Violet	(15)	Temporary barrier rail, Unpinned
Flush Orange	(228)	Temporary barrier rail, Pinned

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Proposed Granular Surface Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Light	(236)	Proposed Grading Limits Shading
Pink, Dark	(13)	Proposed MSE or CIP Wall Shading
Red	(3)	Proposed Bridge Shading and Sign Trusses
Black w/Gray, Light Fill	(0,48)	Previously Constructed Structure

**PLAN VIEW PATTERN AND SYMBOL LEGEND  
OF TRAFFIC CONTROL AND STAGING SHEETS**

●	Channelizing Device		Crash Cushion (Temp or Perm)
✕	Drum		Traffic Signal
■	Temporary Lane Separator		Flagger
◆	Tubular Marker		Temporary Floodlighting
♦	Channelizer Marker		Traffic Sign
△	Concrete Barrier Marker		Type III Barricade
◁	Delineator		Type A Warning Light
—	Temporary Barrier Rail		Direction of Traffic
	Pavement Removal		Safety Closure
	Sand Barrel Layout		Lane Identification

NOTE: Device spacing according to Standard Road Plans unless specifically dimensioned.

**TRAFFIC CONTROL  
AND  
STAGING  
LEGEND AND SYMBOL  
INFORMATION SHEET**

**(COVERS SHEET SERIES J)**



1145

1150

1155

1160

END ROAD WORK  
G20-2A  
48" x 24"

44

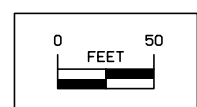
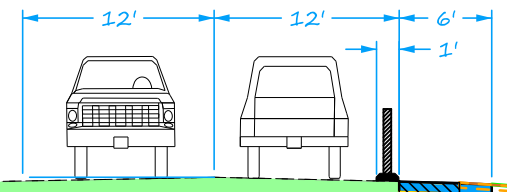
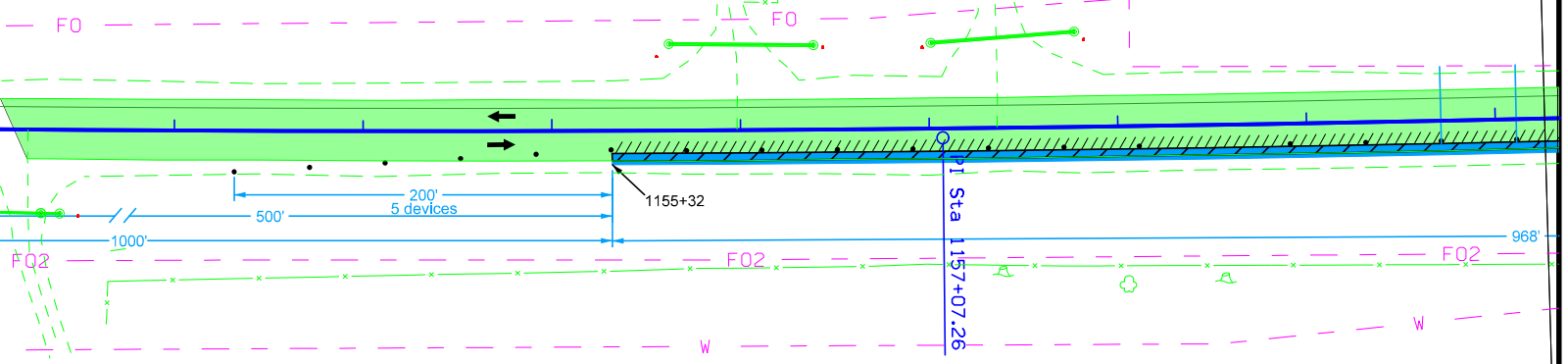
PC Sta 1152+01.65

IT Sta 1157+07.26

ROAD WORK AHEAD  
W20-1  
48" x 48"

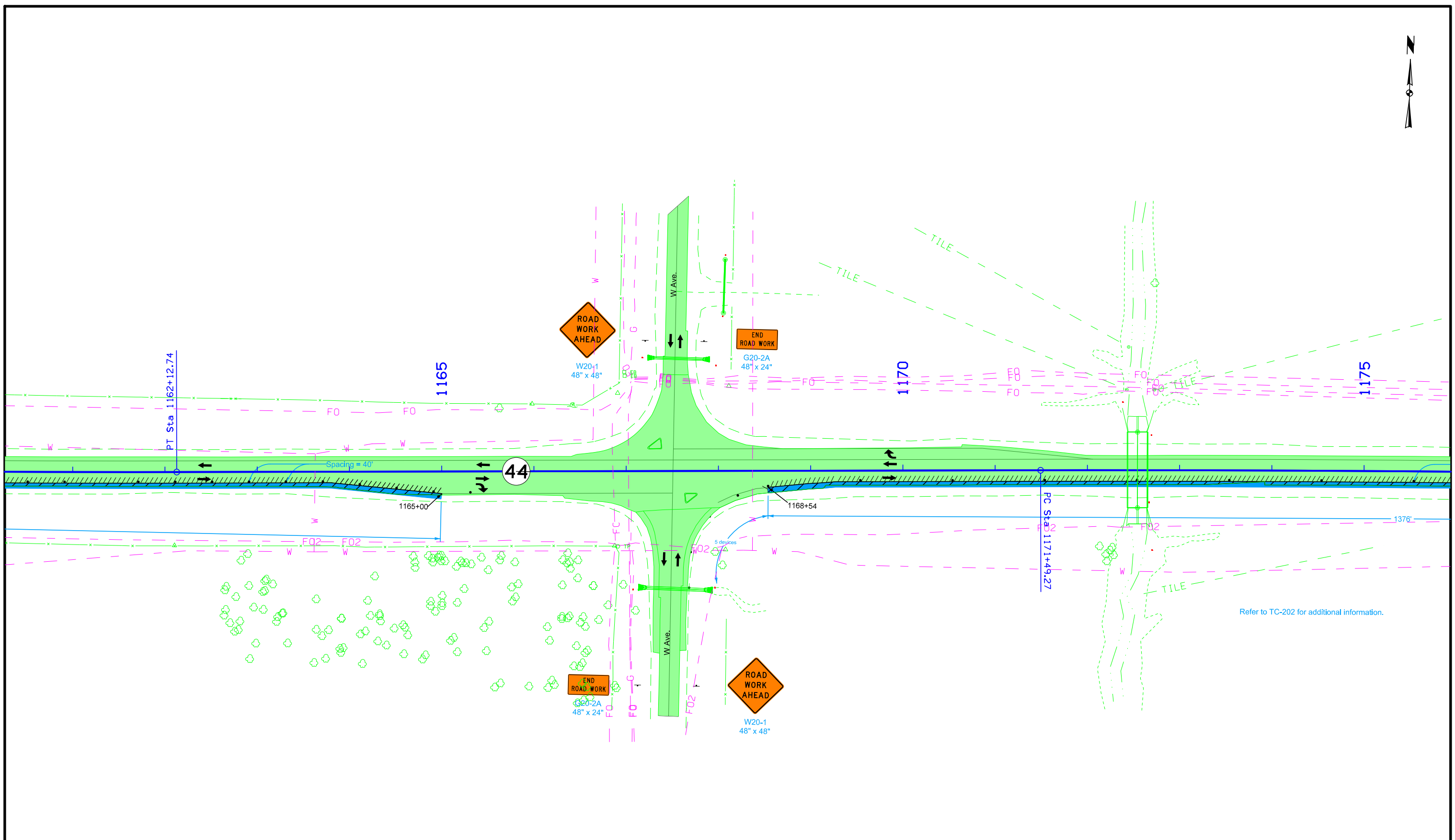
SHOULDER DROP OFF  
W8-9A  
48" x 48"

Refer to TC-202 for additional information.



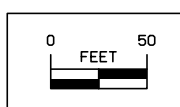
Stage 1  
Shoulder Strengthening

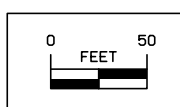
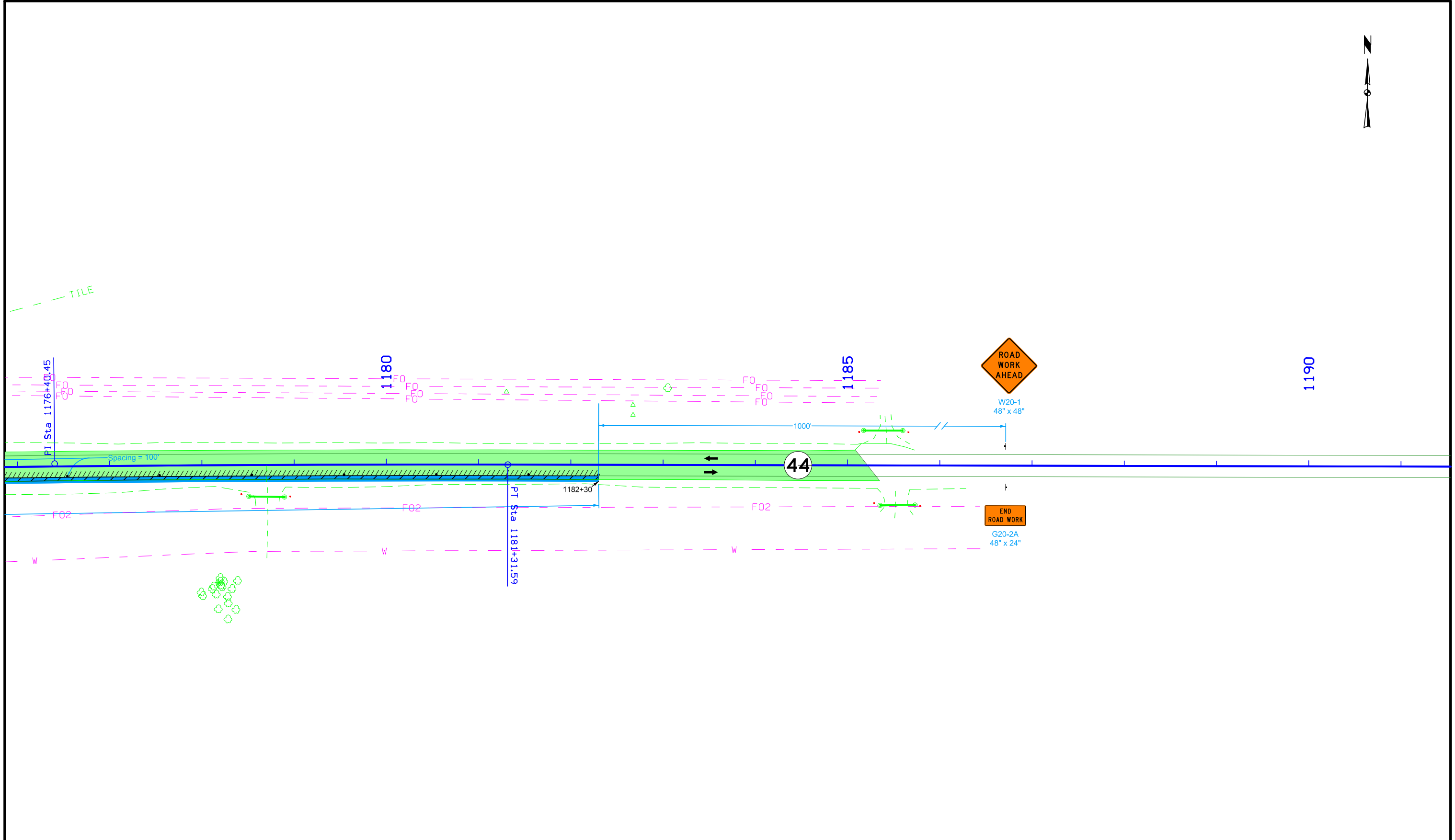




Refer to TC-202 for additional information.

Stage 1  
Shoulder Strengthening





Stage 1  
Shoulder Strengthening



1145

1150

1155

1160

END ROAD WORK  
G20-2A  
48" x 24"

PC Sta. 1152+01.65

PI Sta. 1157+07.26

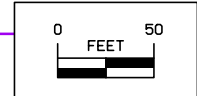
1158+62

ROAD WORK AHEAD  
W20-1  
48" x 48"

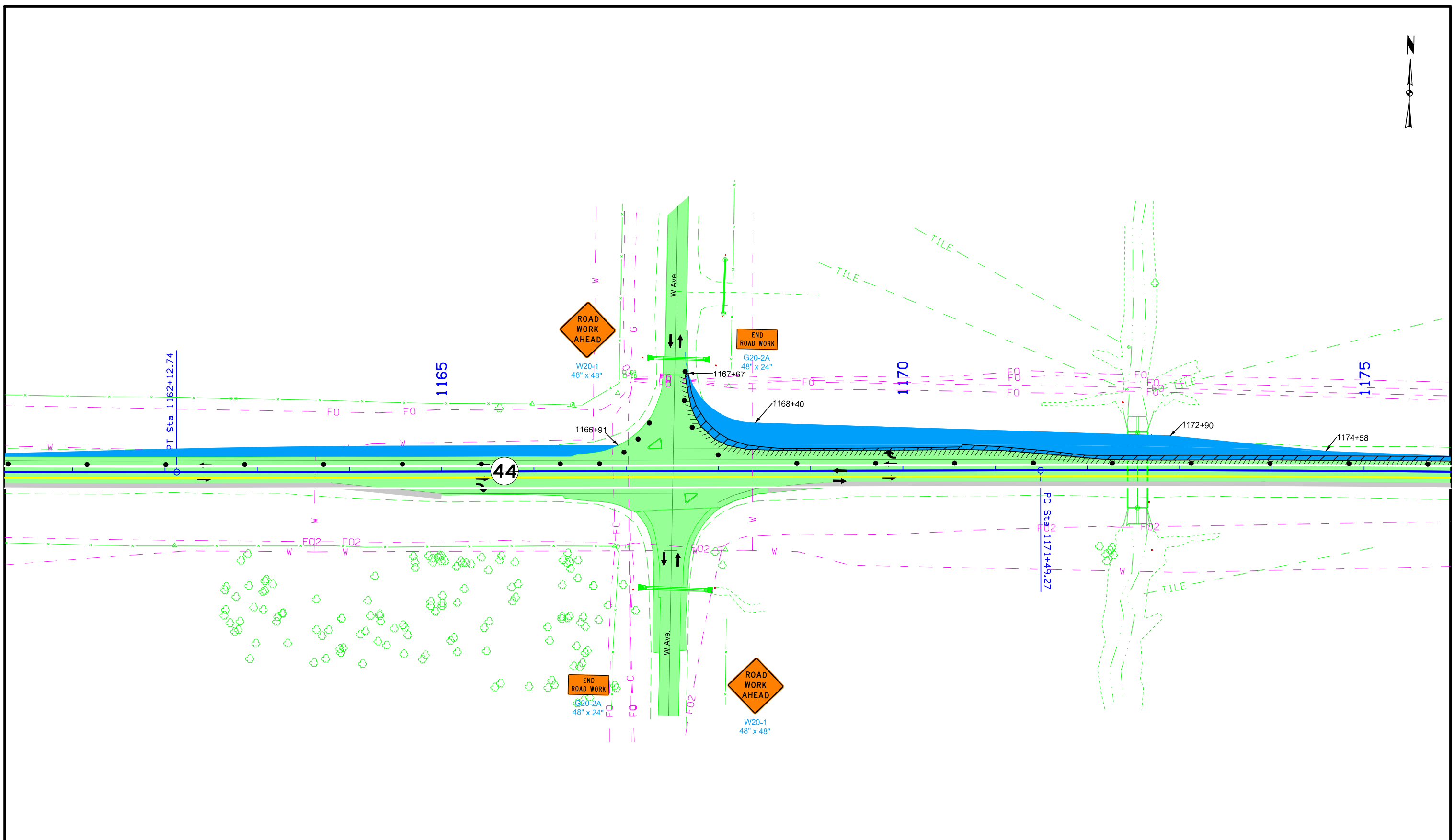
SHOULDER DROP OFF  
W8-9A  
48" x 48"

330'  
55:1 Tab

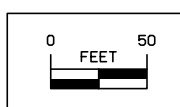
Existing ROW

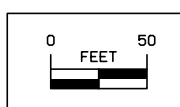
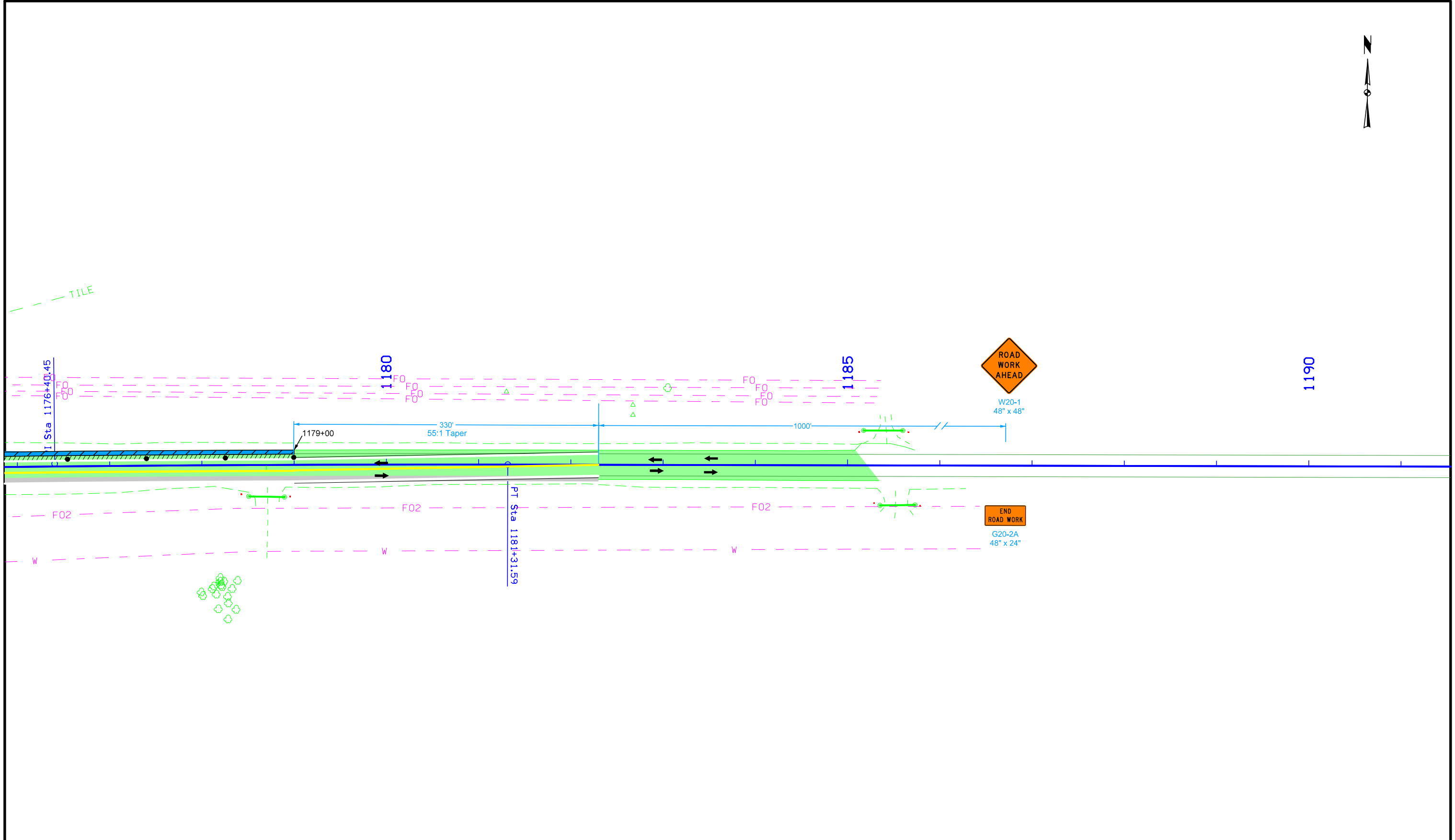


Stage 2  
Westbound Widening

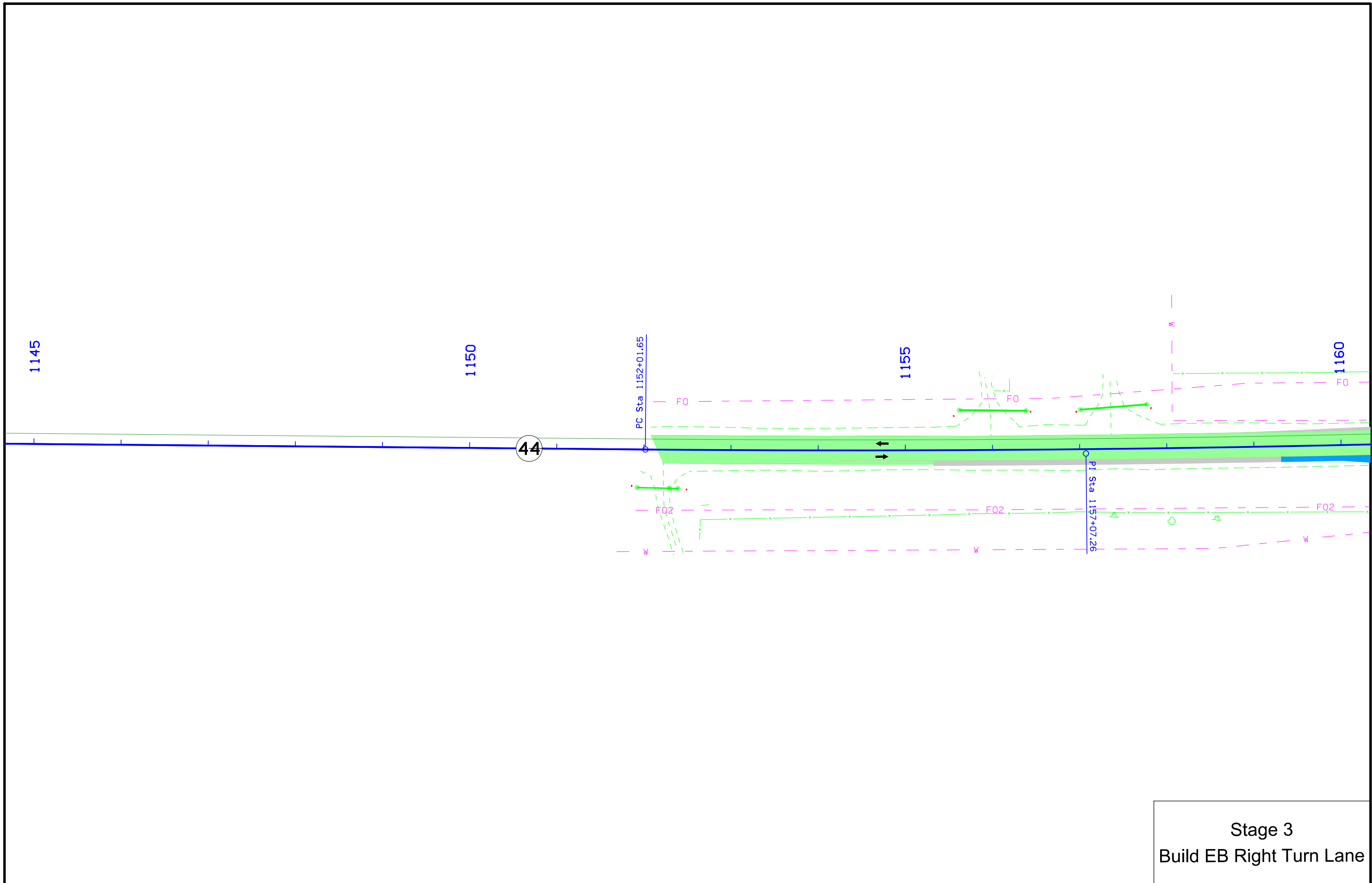


Stage 2  
Westbound Widening

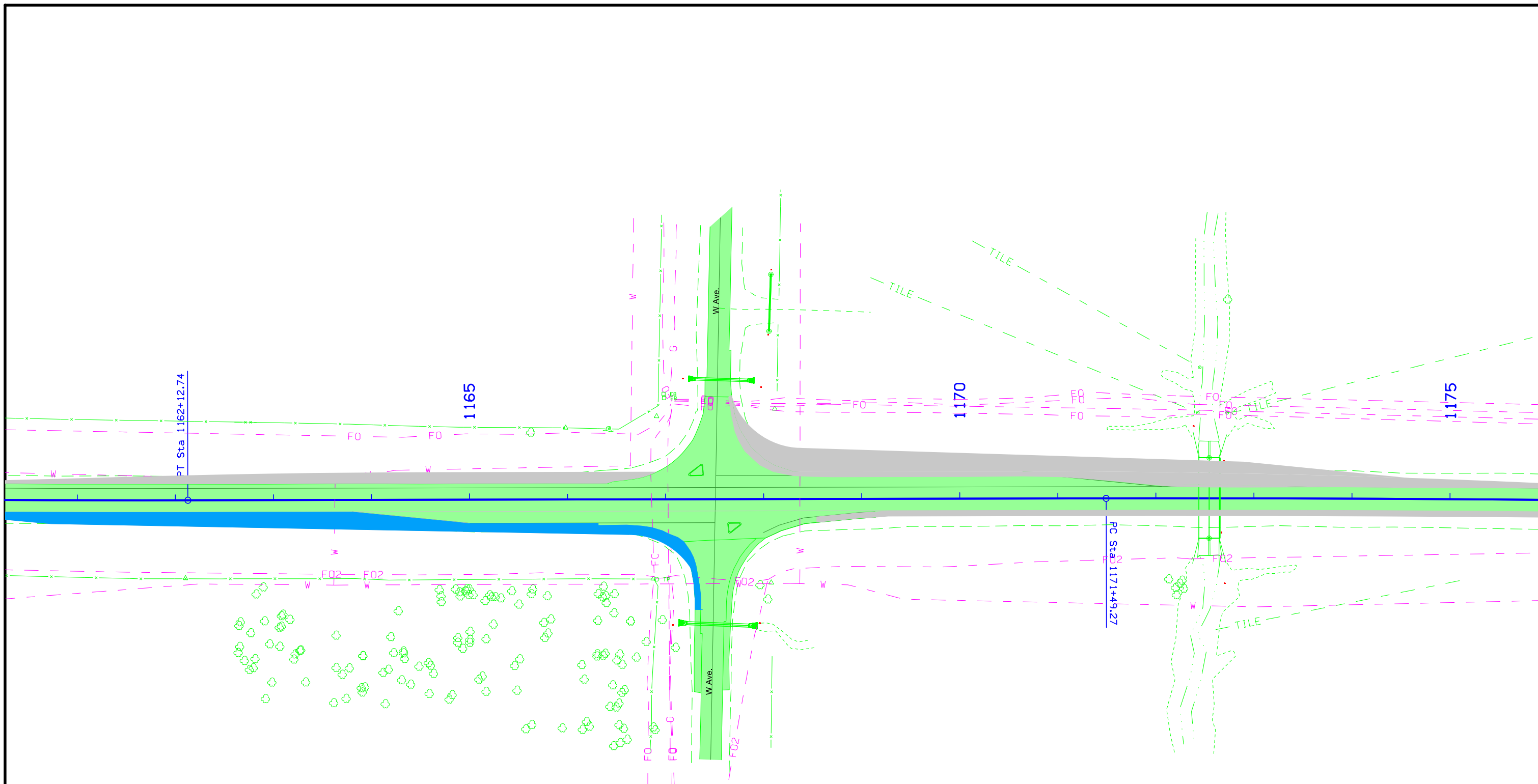




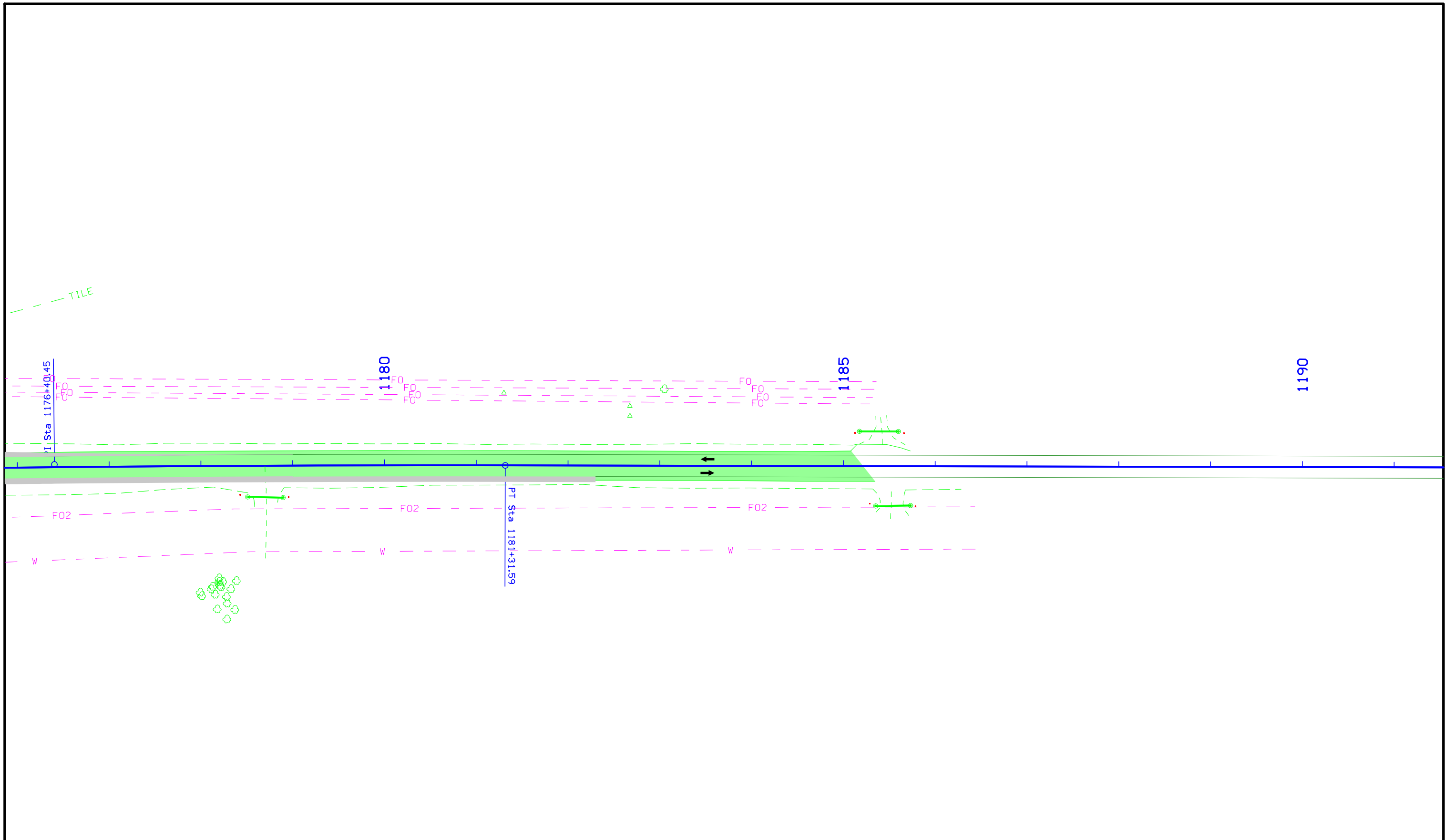
Stage 2  
Westbound Widening



Stage 3  
Build EB Right Turn Lane



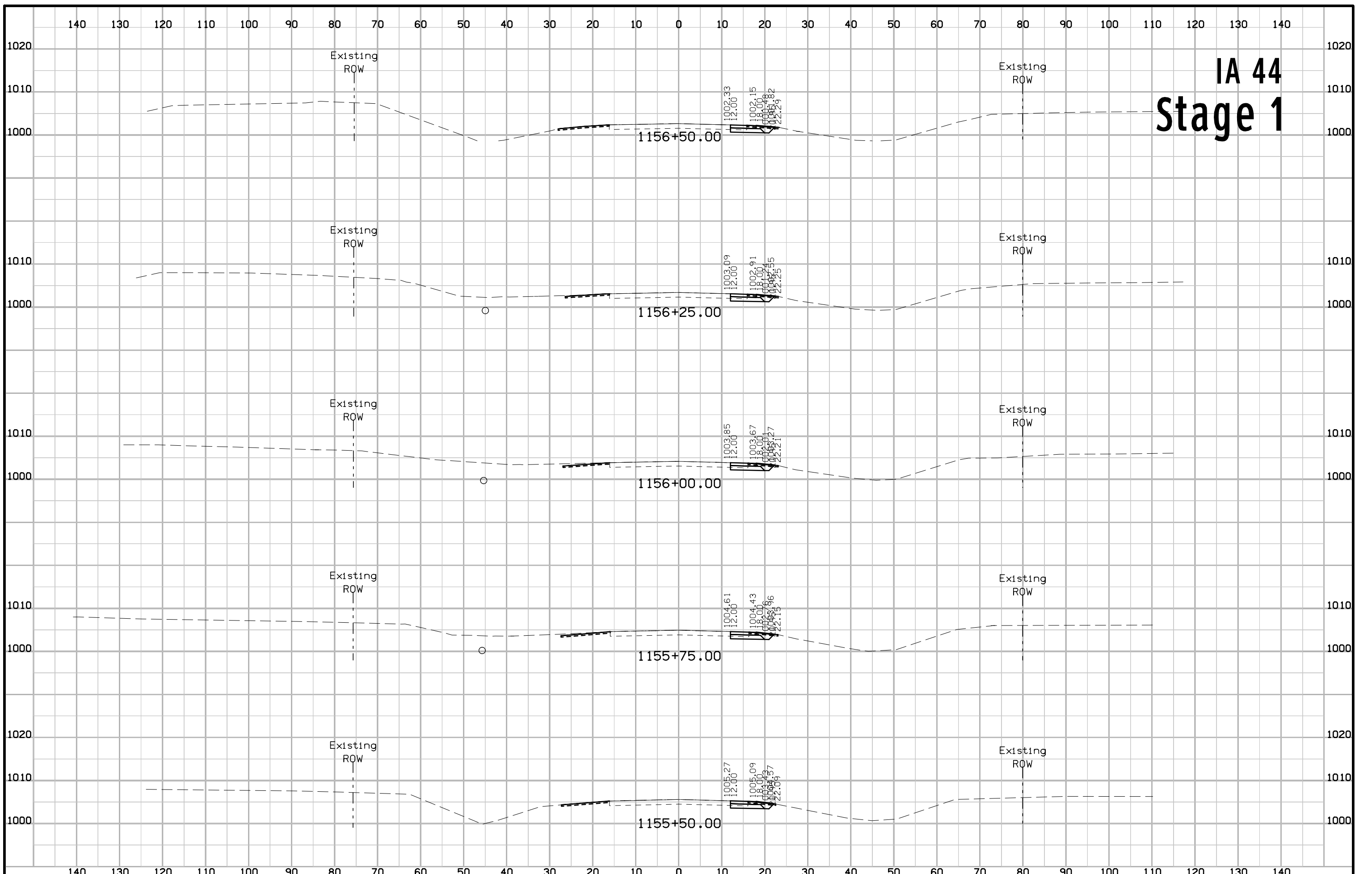
Stage 3  
Build EB Right Turn Lane



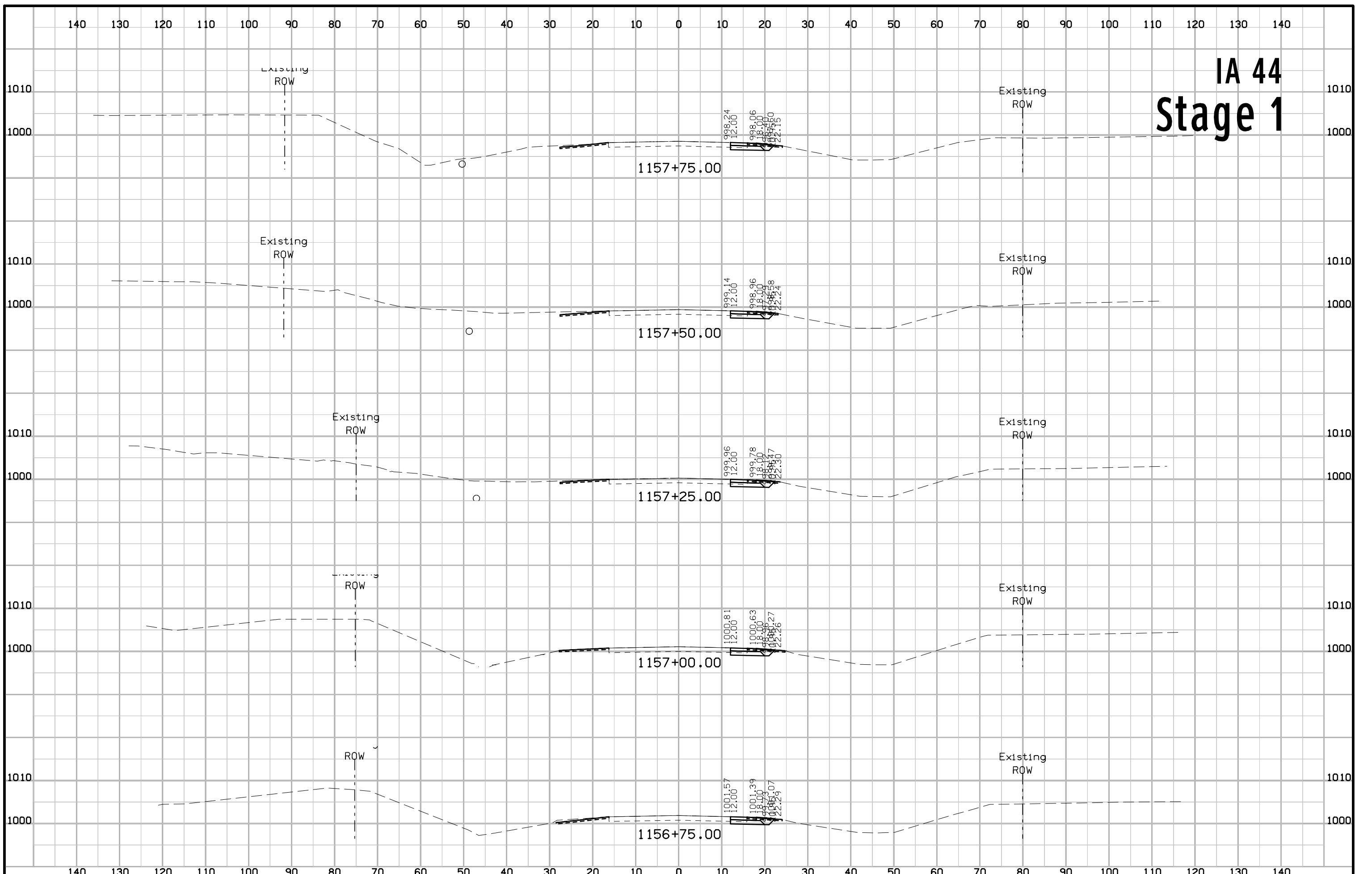
Stage 3  
Build EB Right Turn Lane



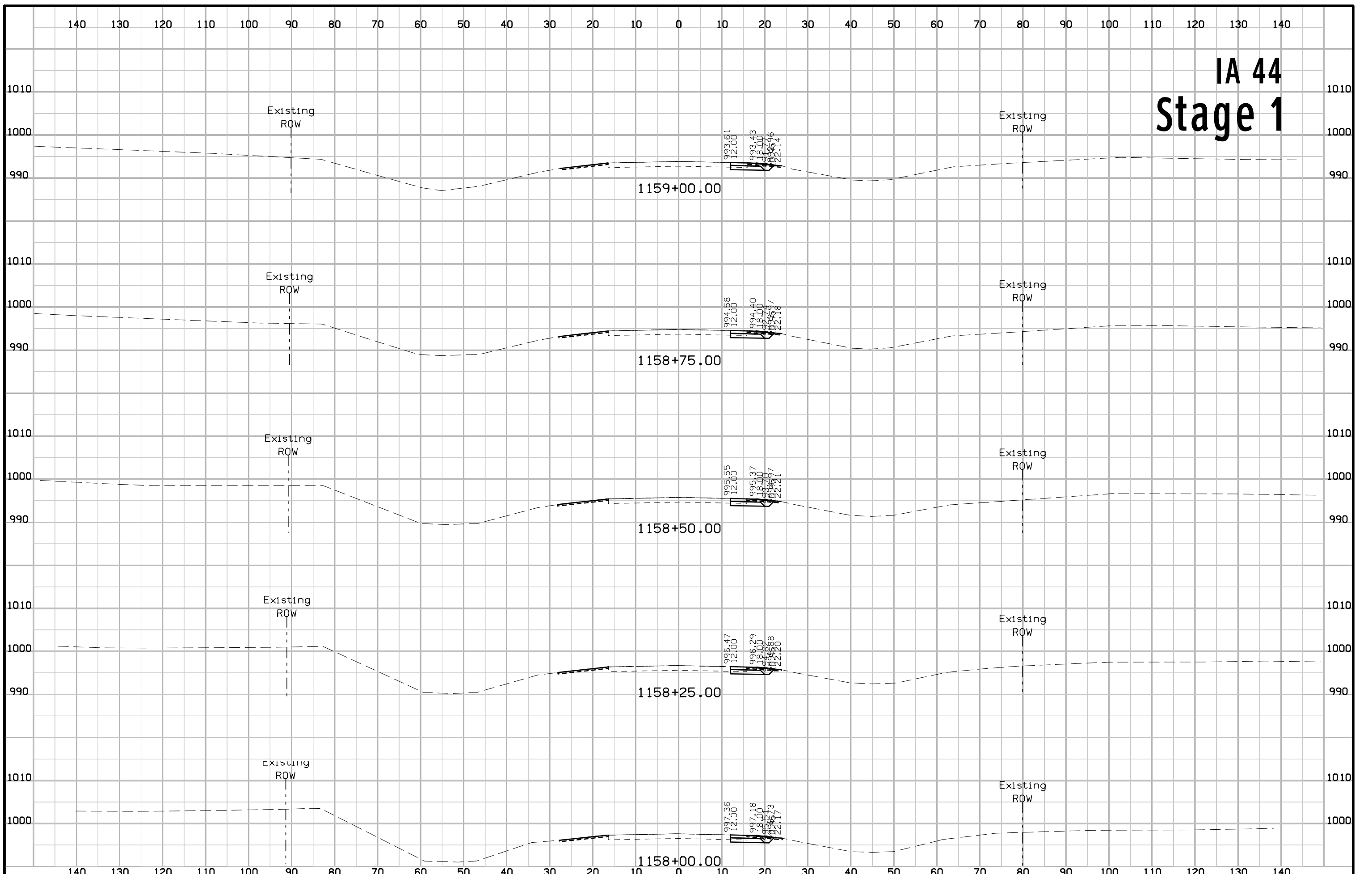
# IA 44 Stage 1



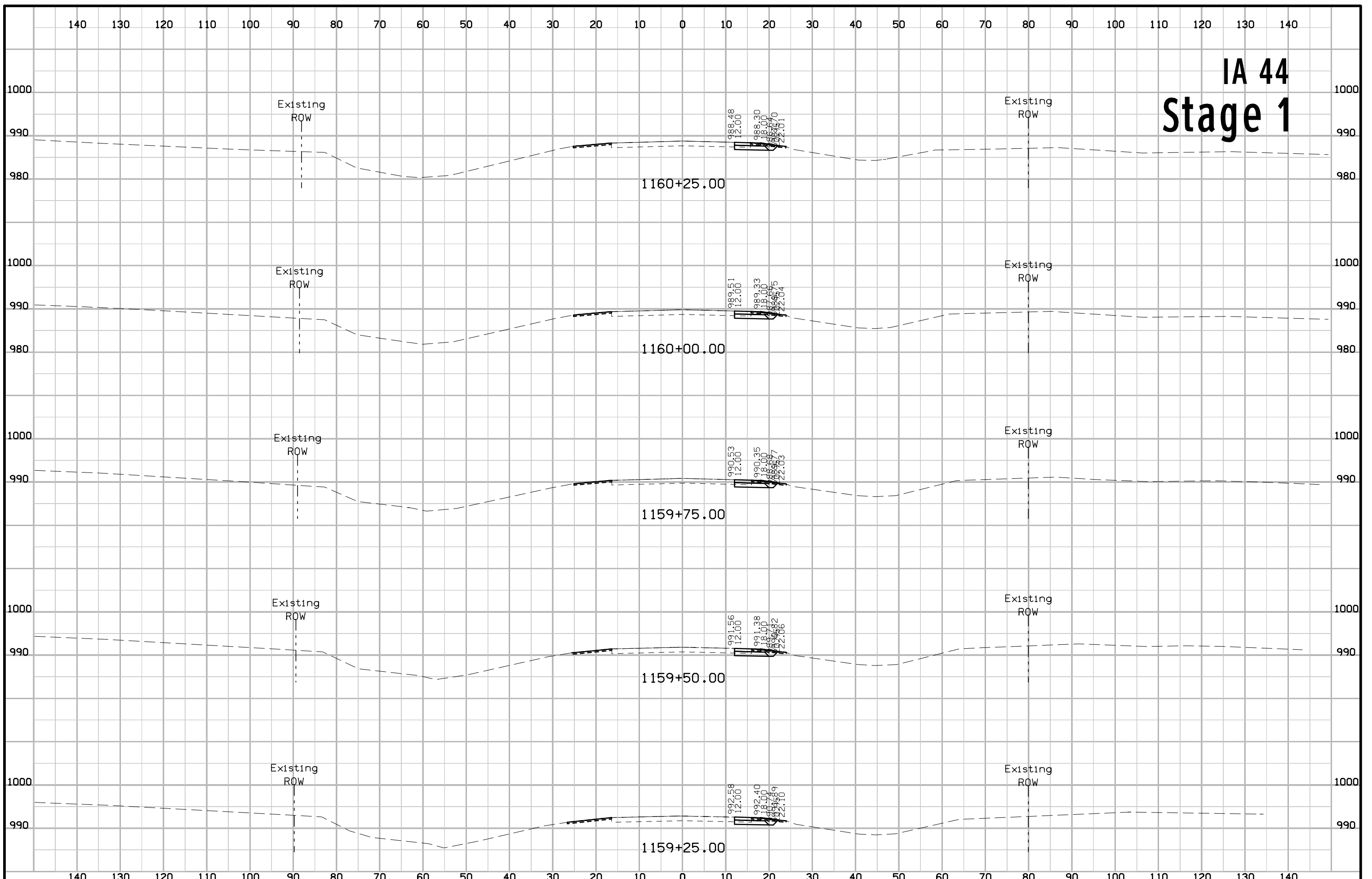
# IA 44 Stage 1



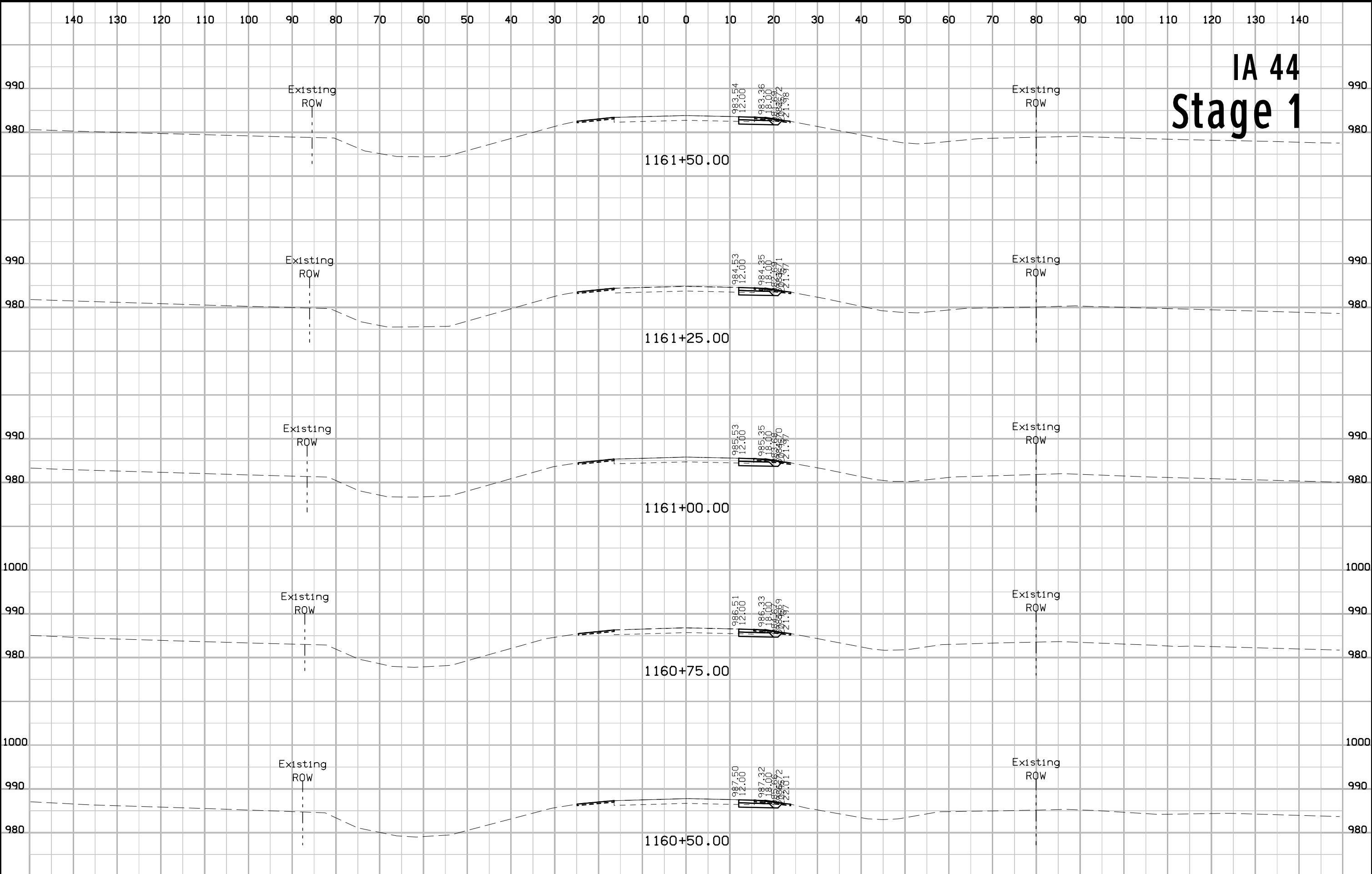
# IA 44 Stage 1



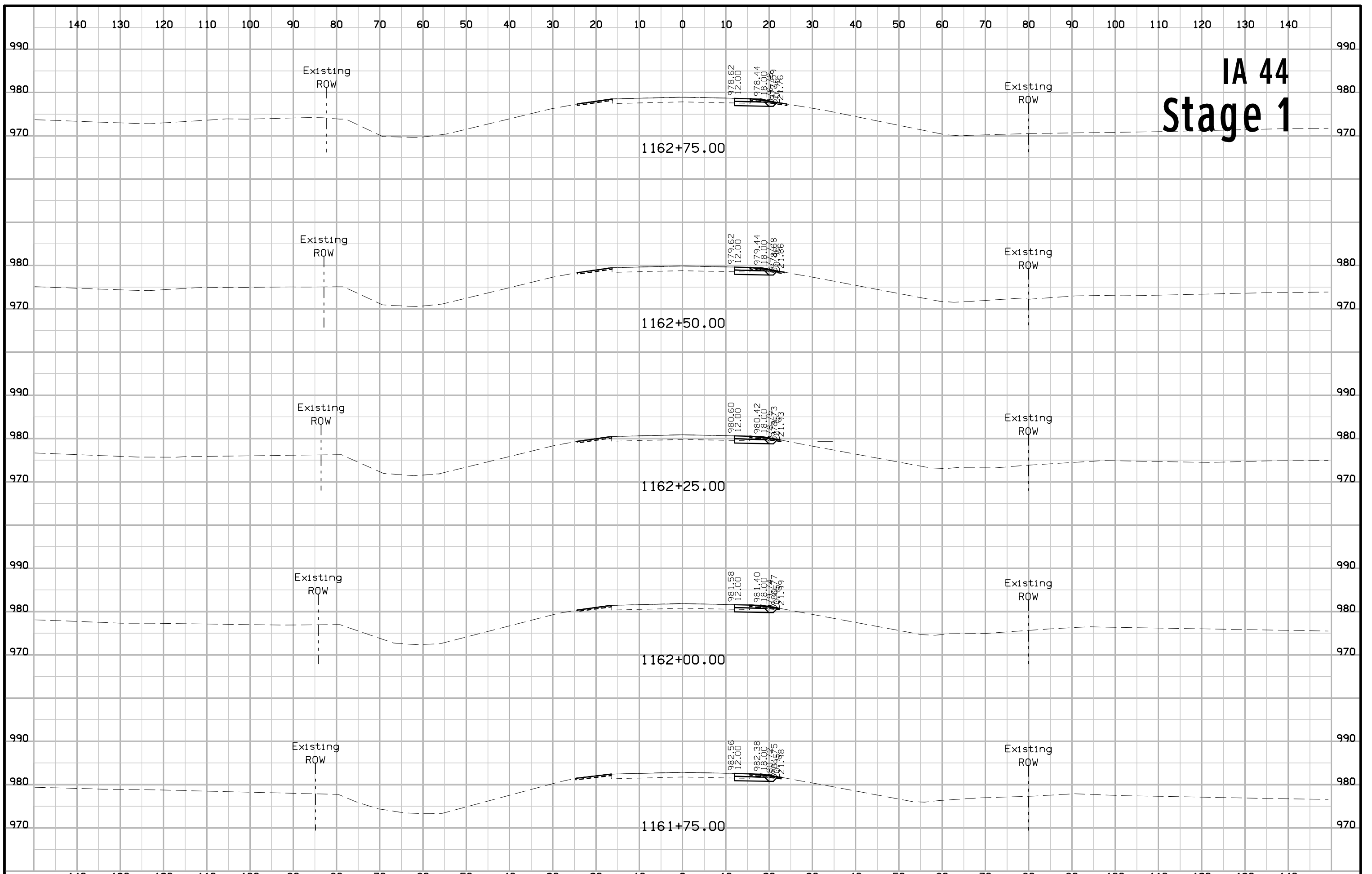
# IA 44 Stage 1



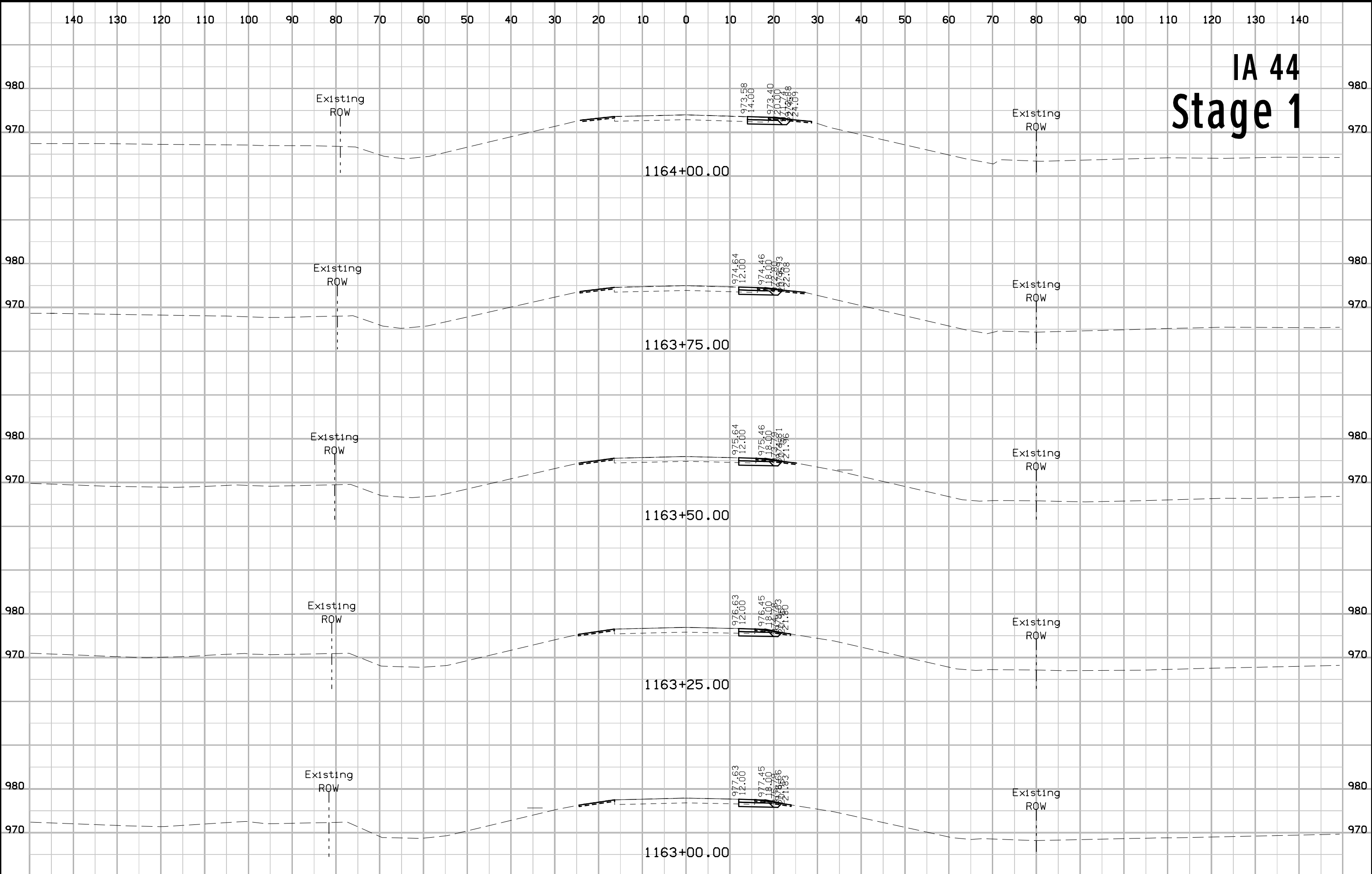
# IA 44 Stage 1



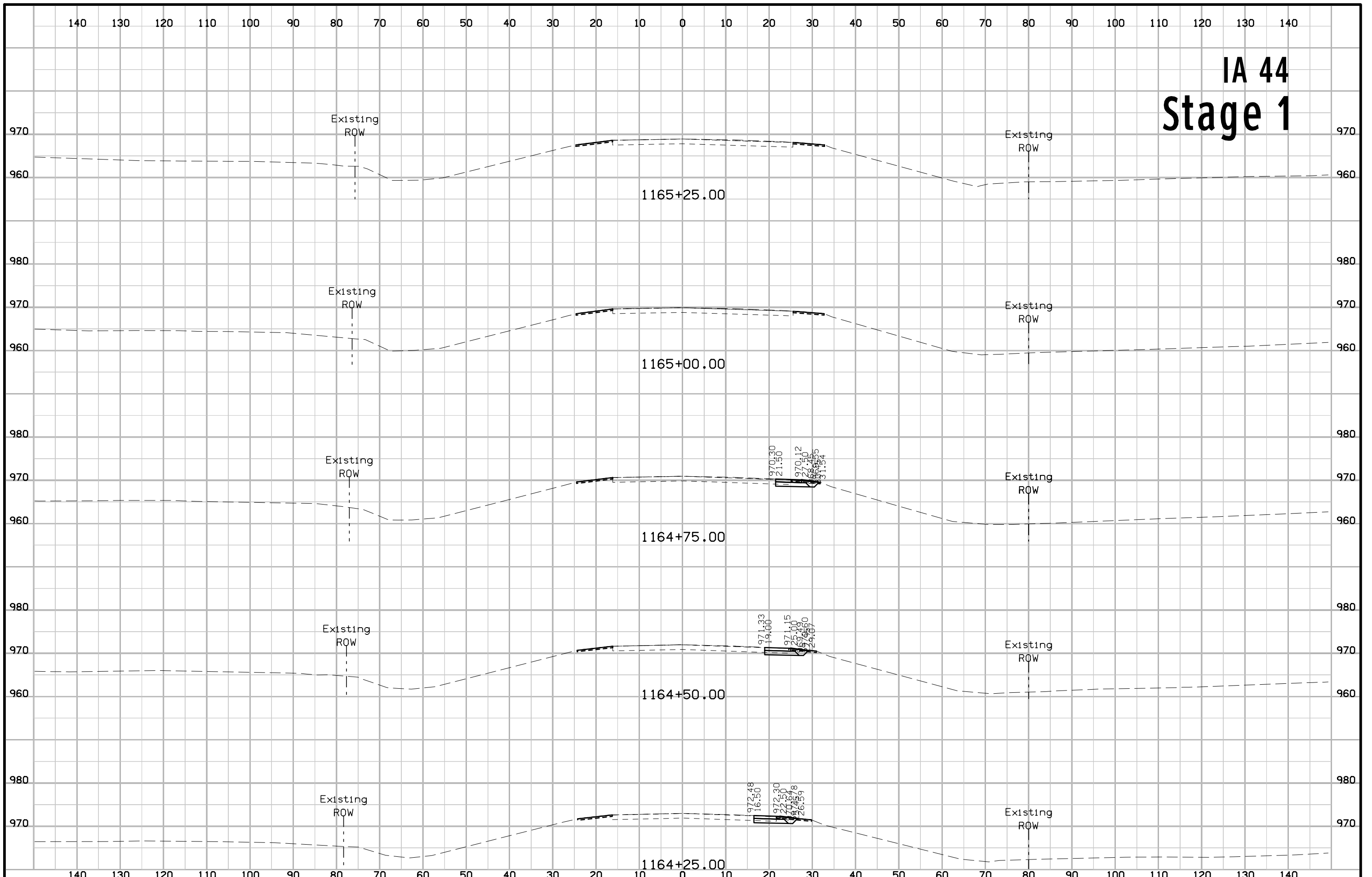
# IA 44 Stage 1



# IA 44 Stage 1

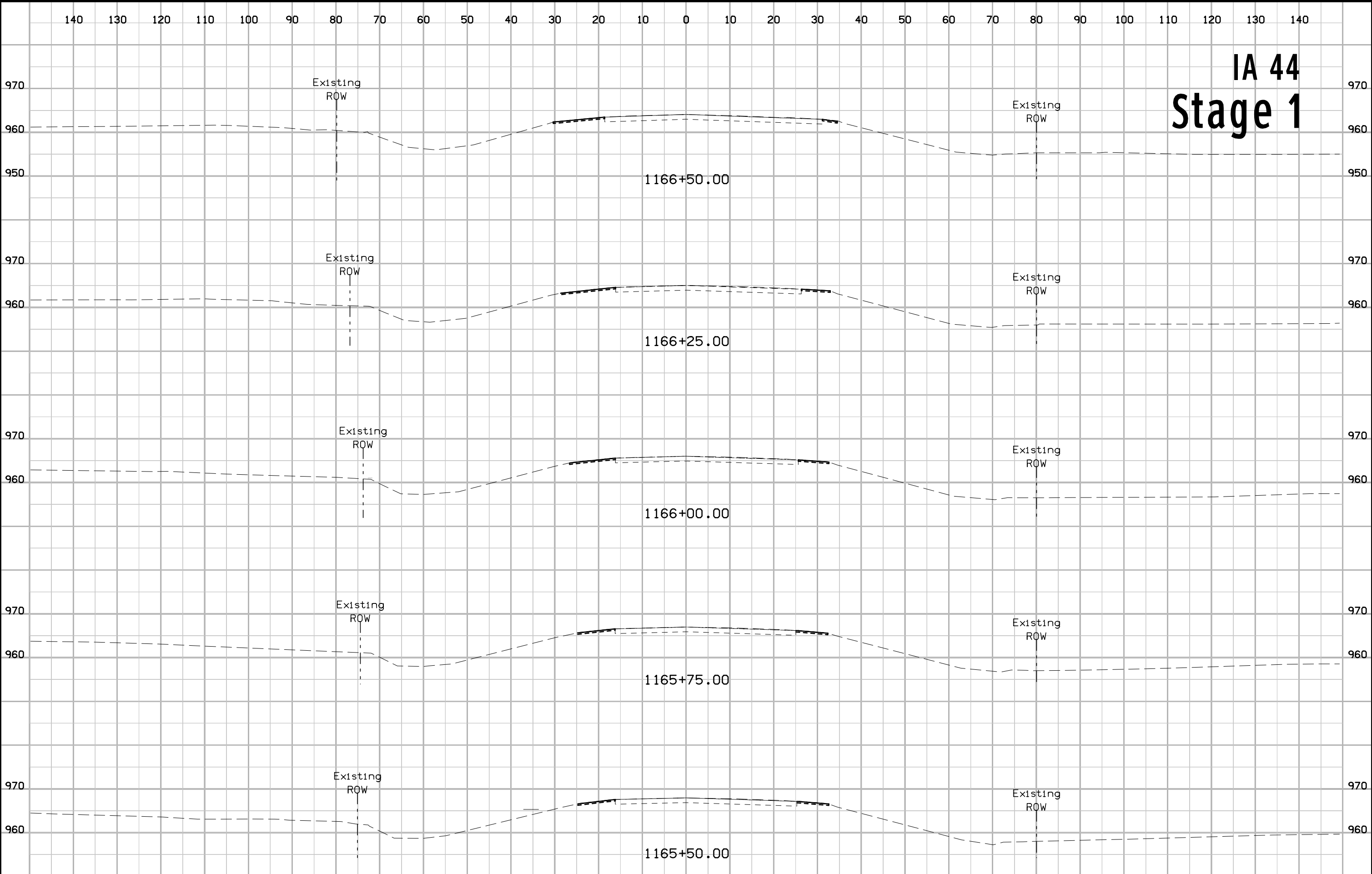


# IA 44 Stage 1

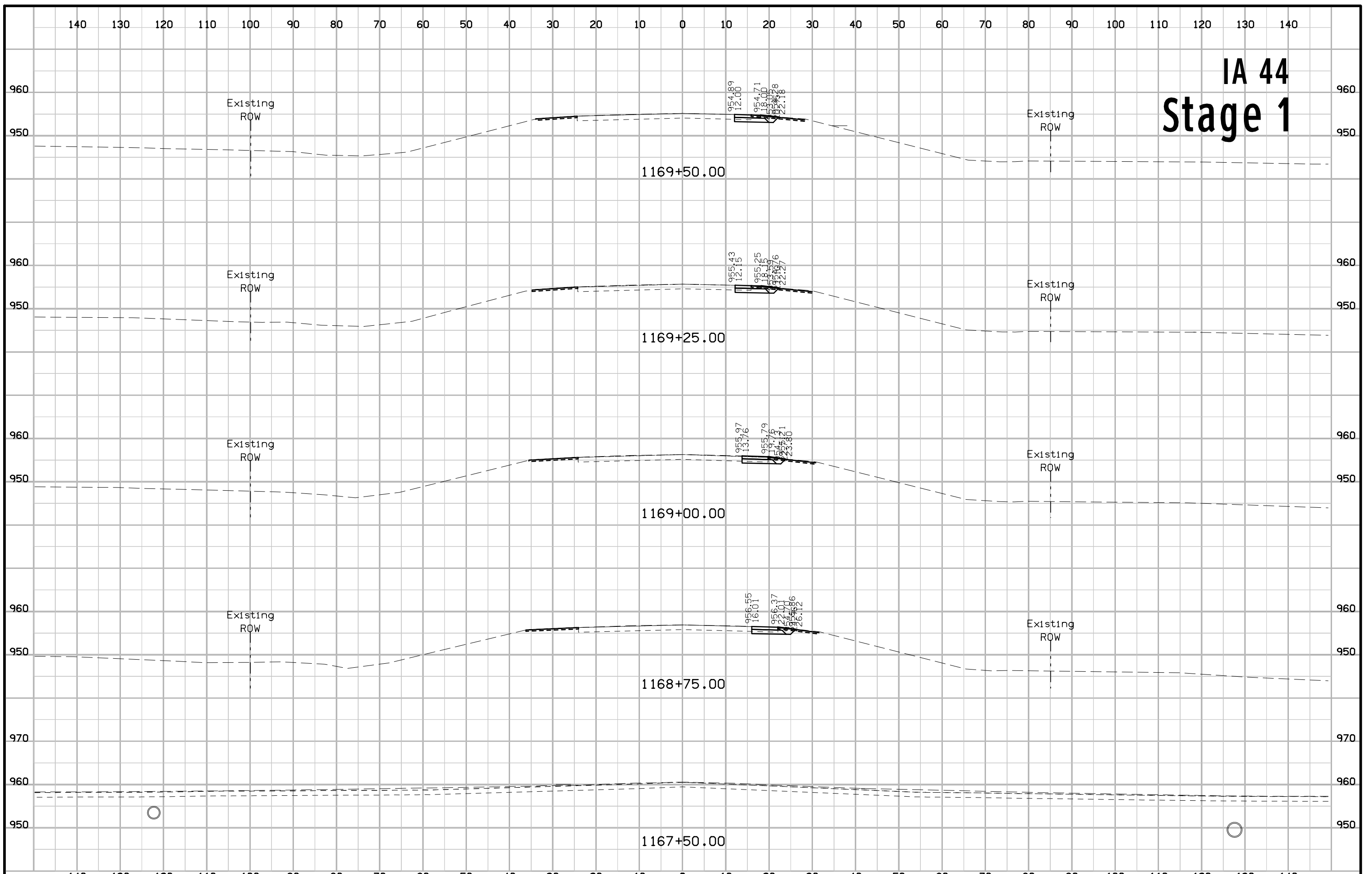




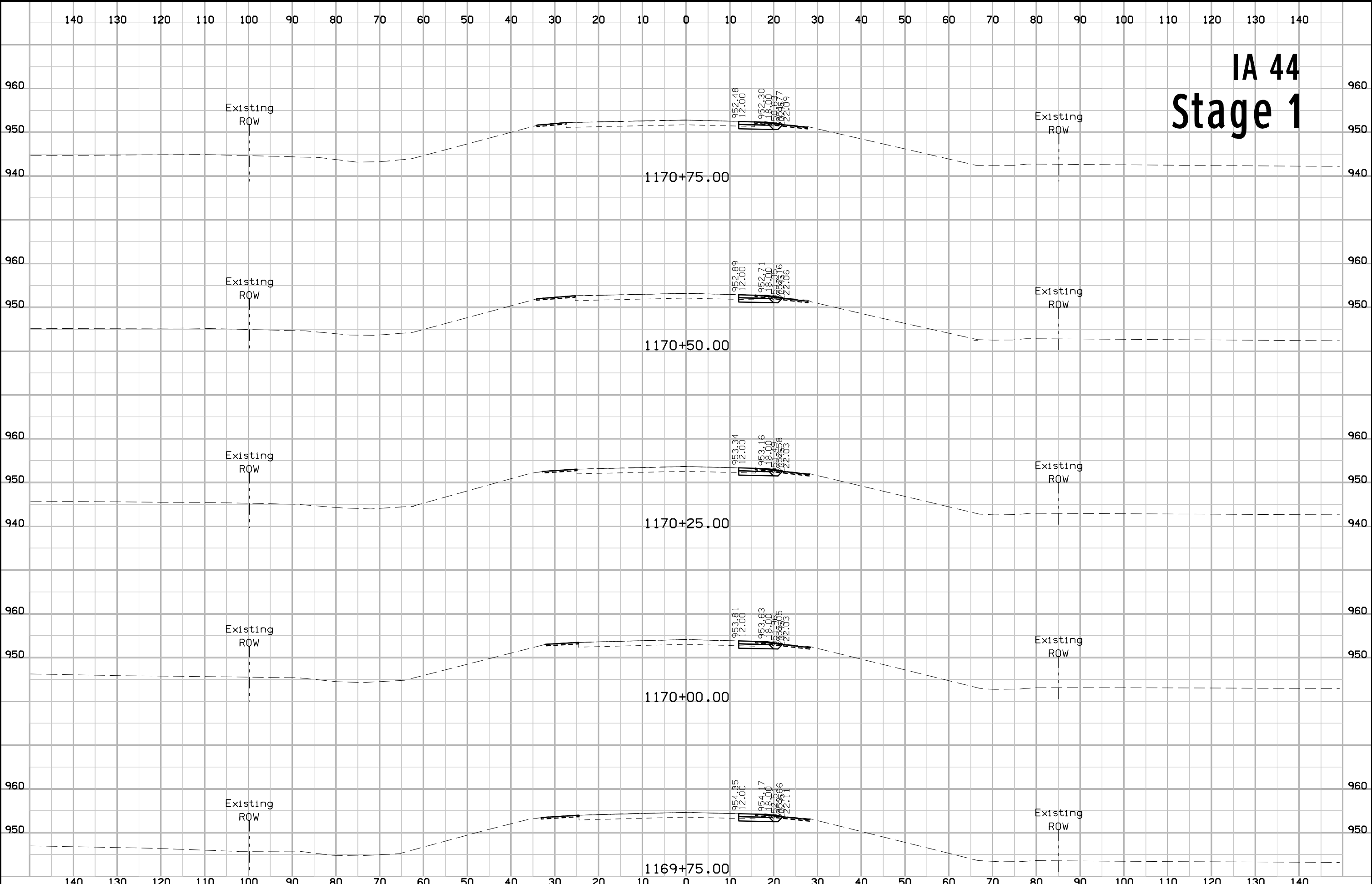
# IA 44 Stage 1

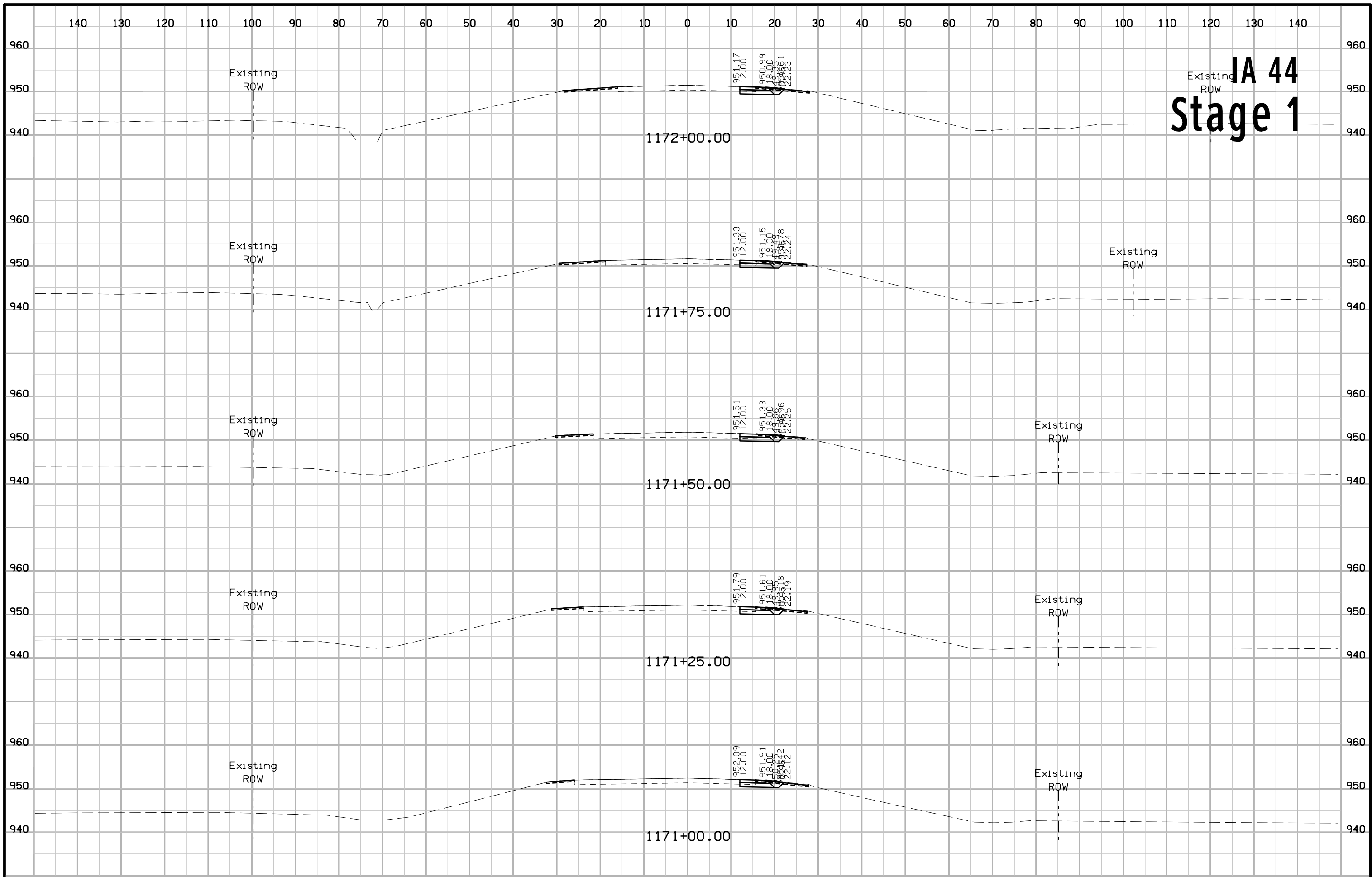


# IA 44 Stage 1

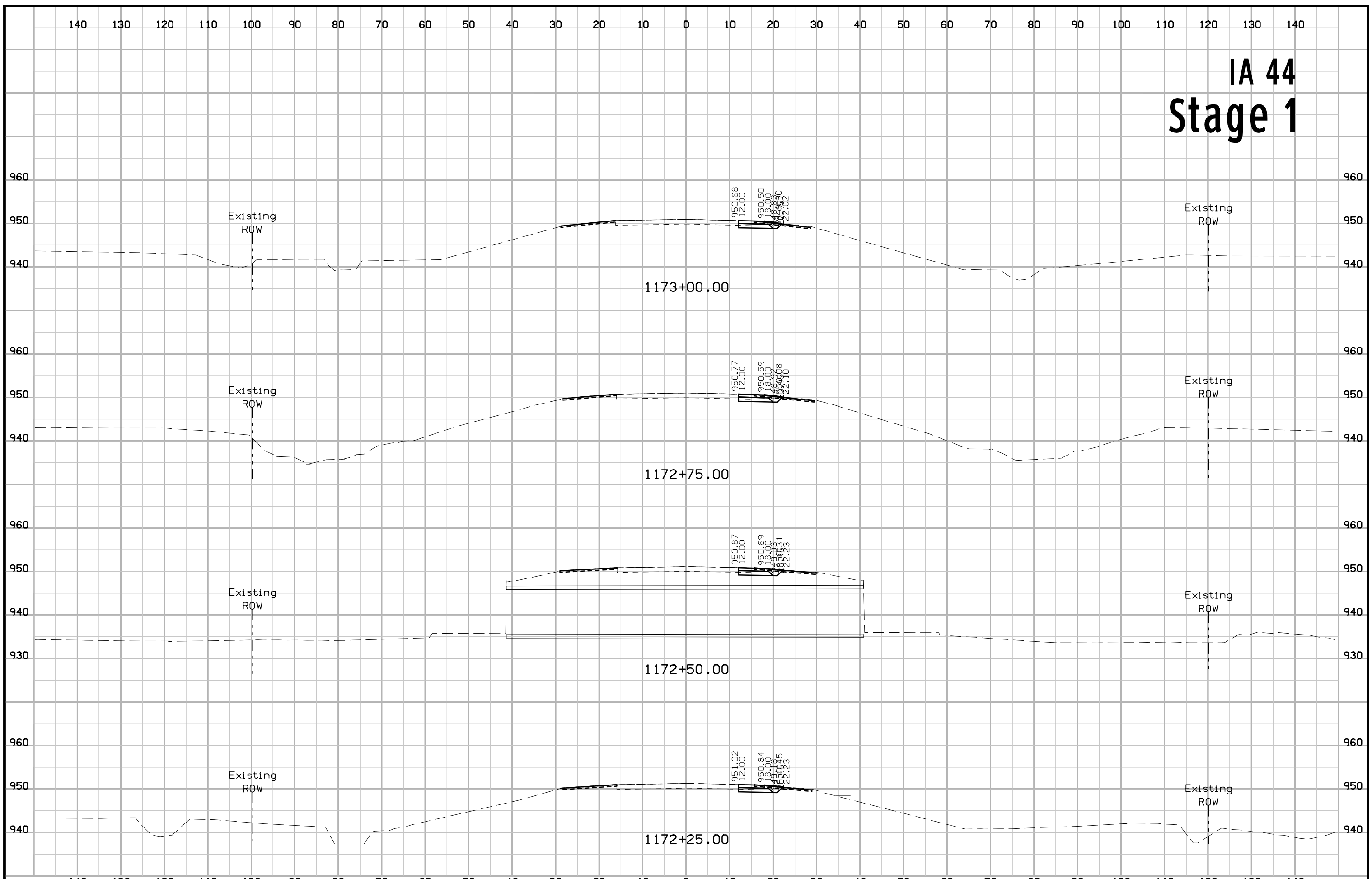


# IA 44 Stage 1

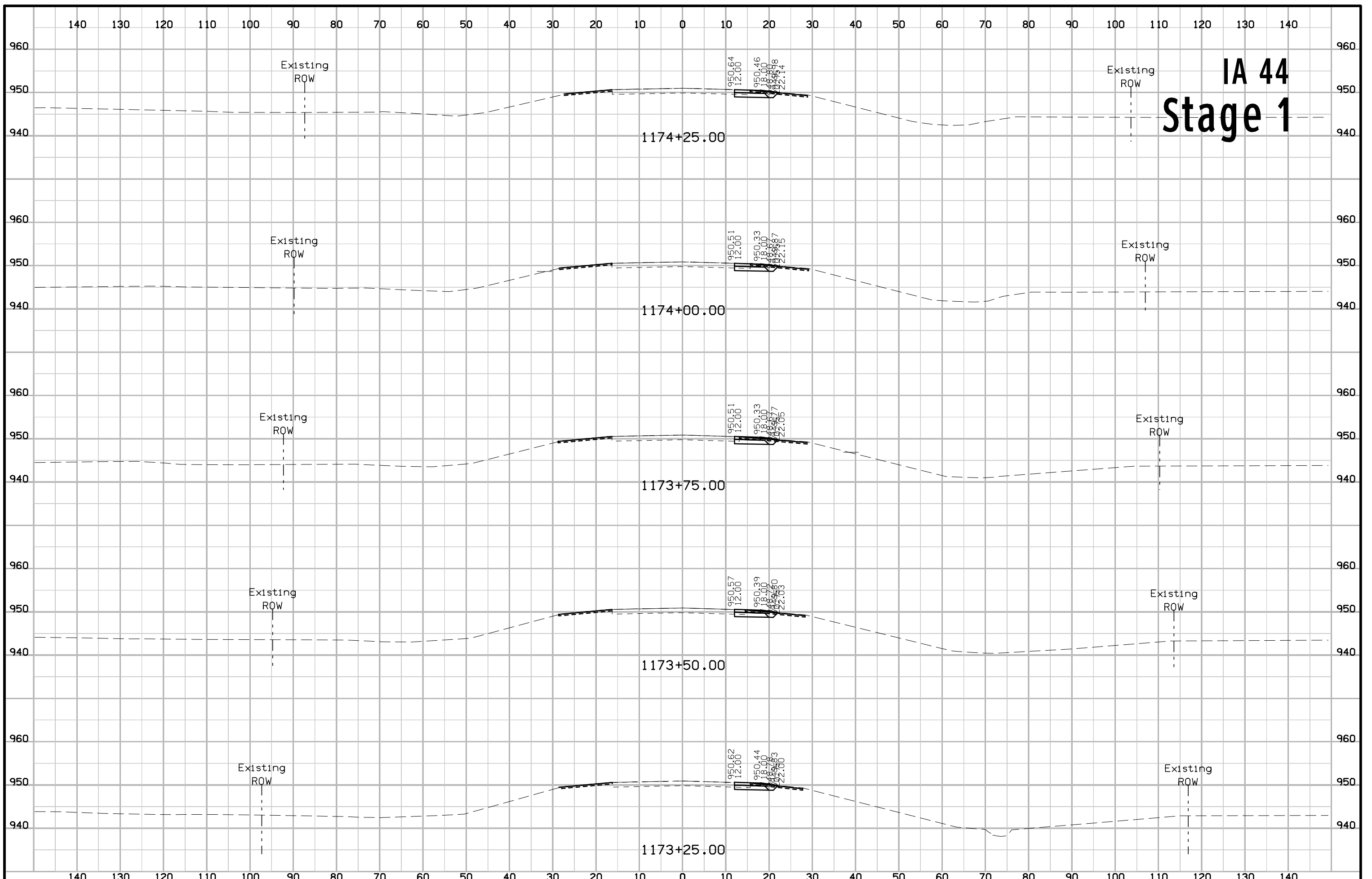




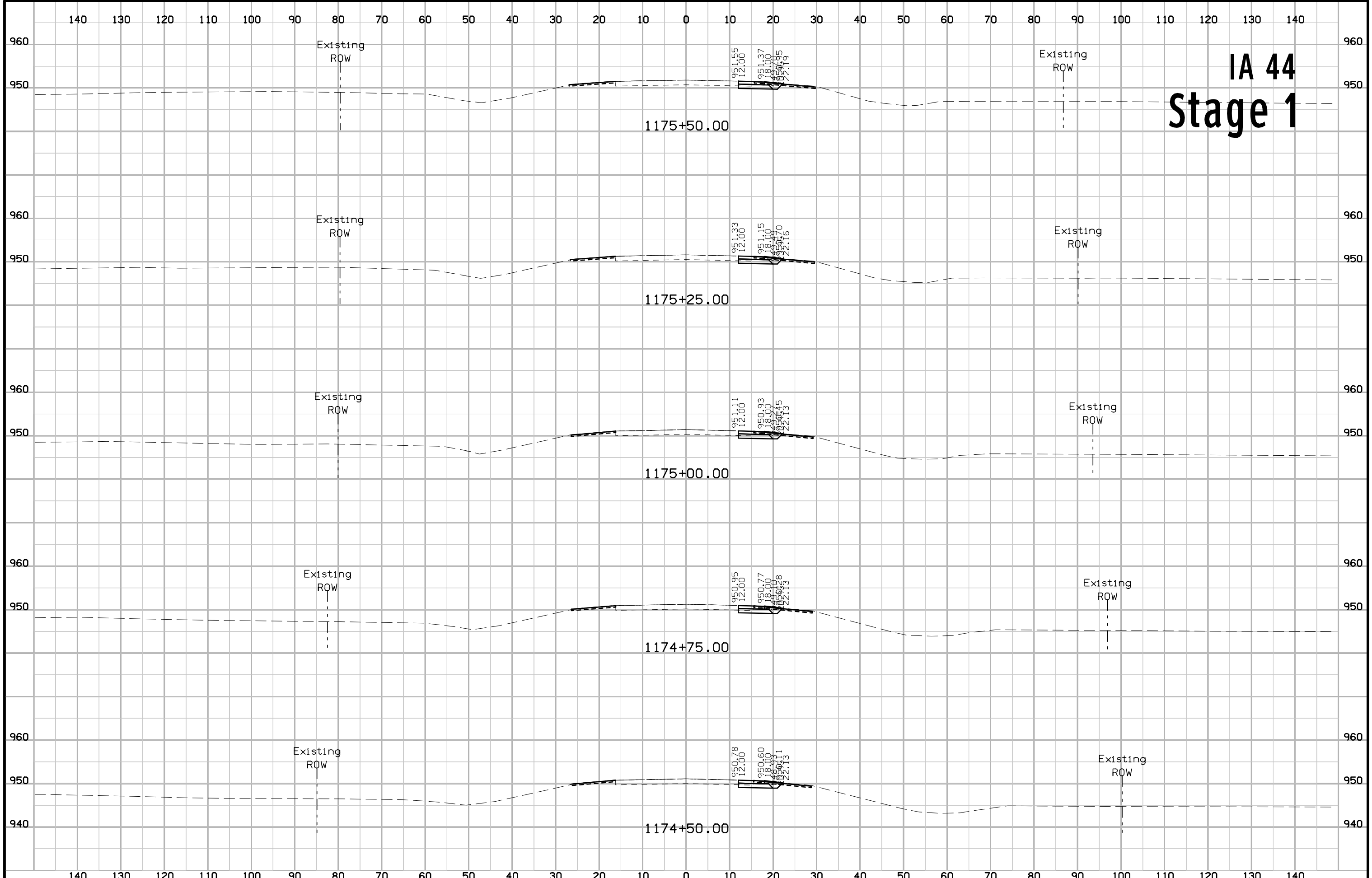
# IA 44 Stage 1



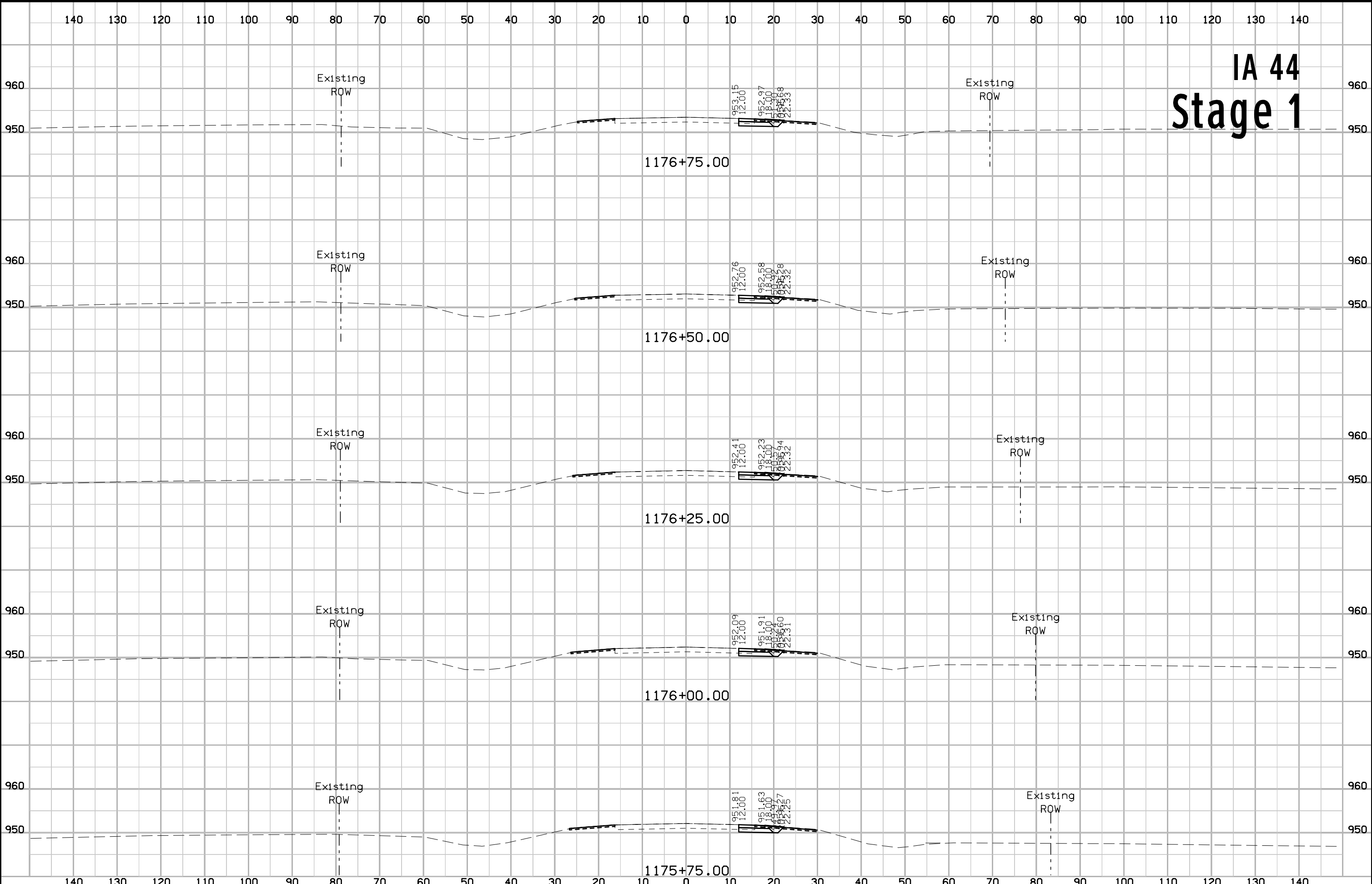
# IA 44 Stage 1



# IA 44 Stage 1

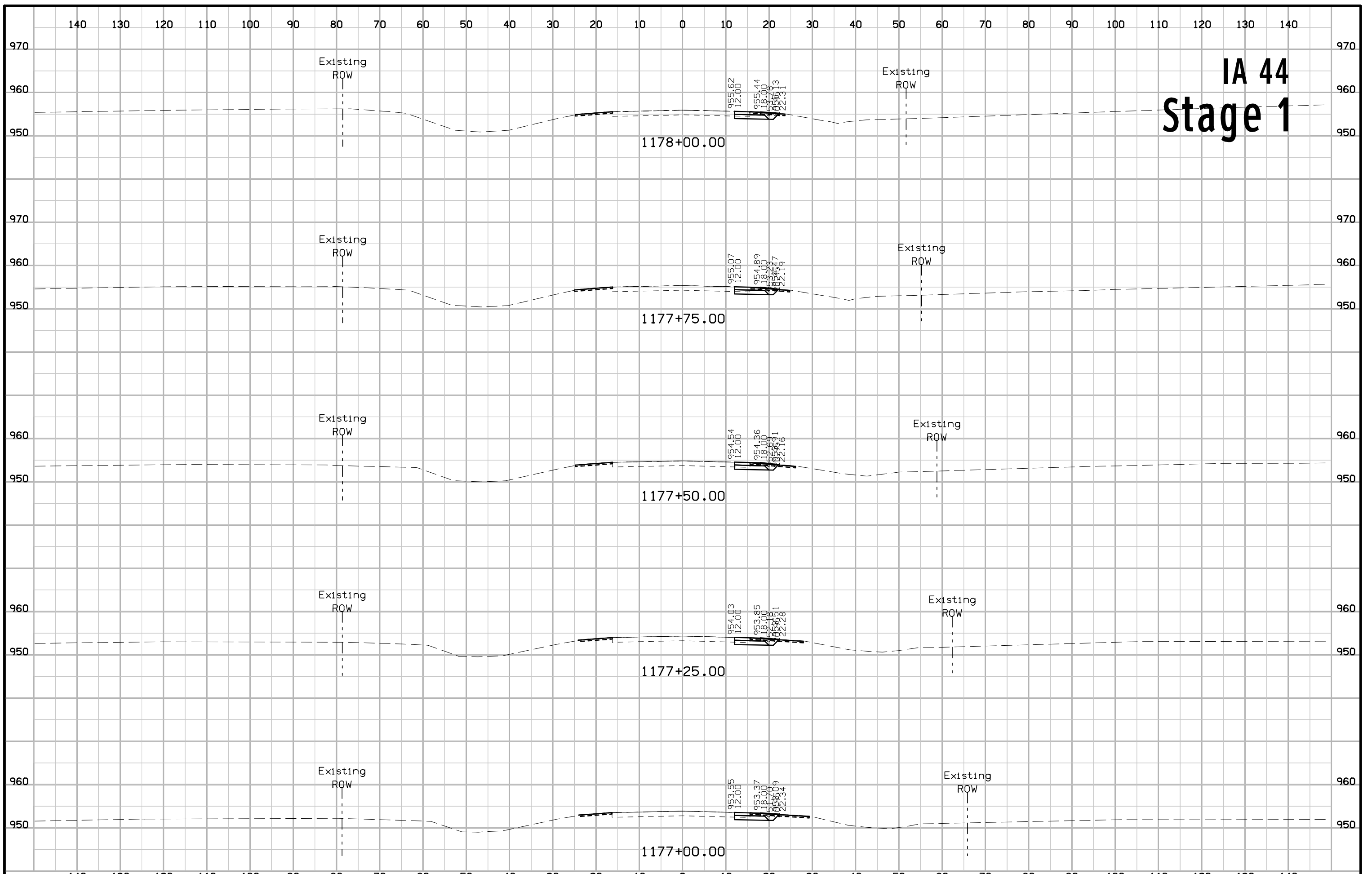


# IA 44 Stage 1

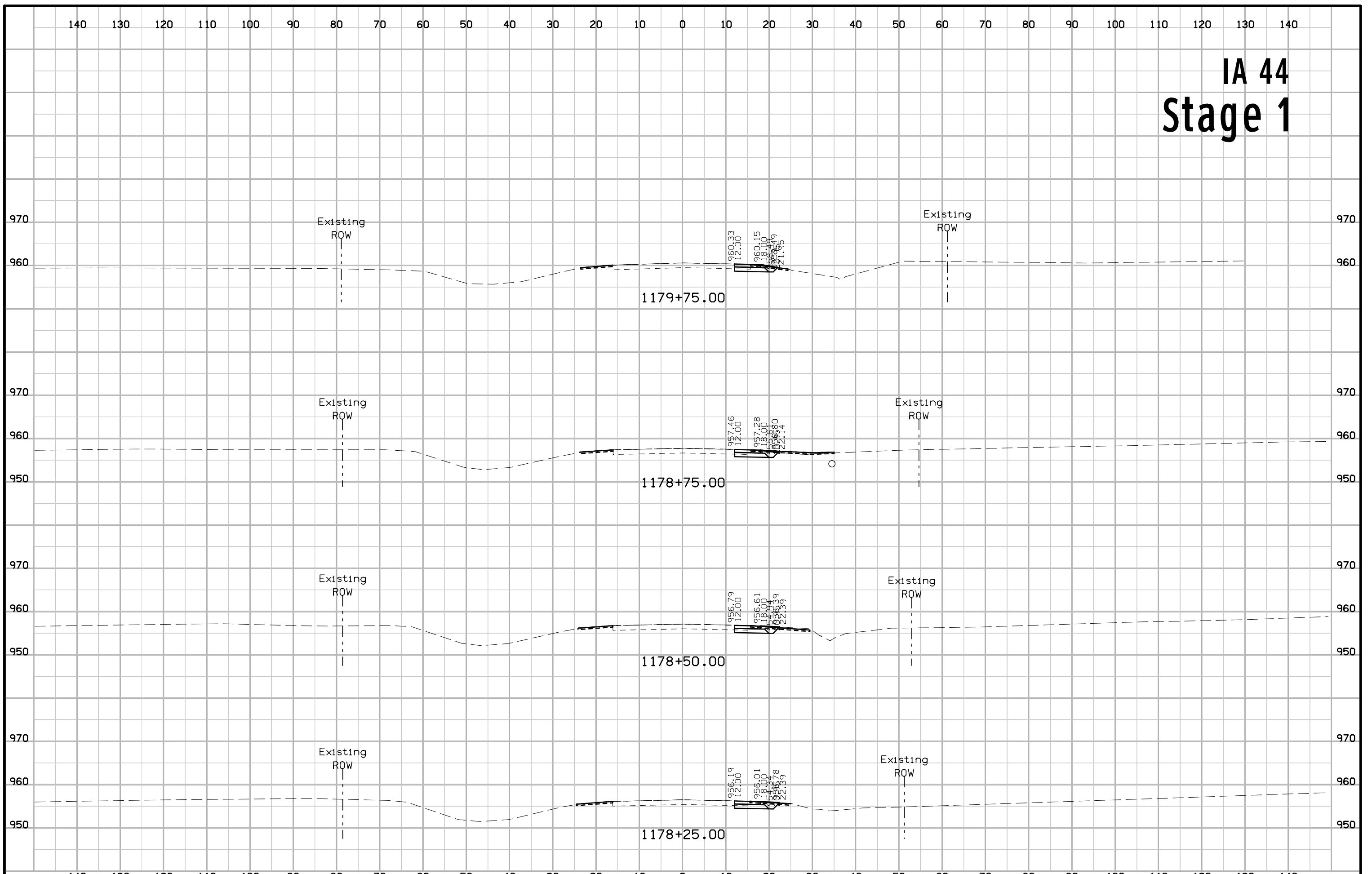




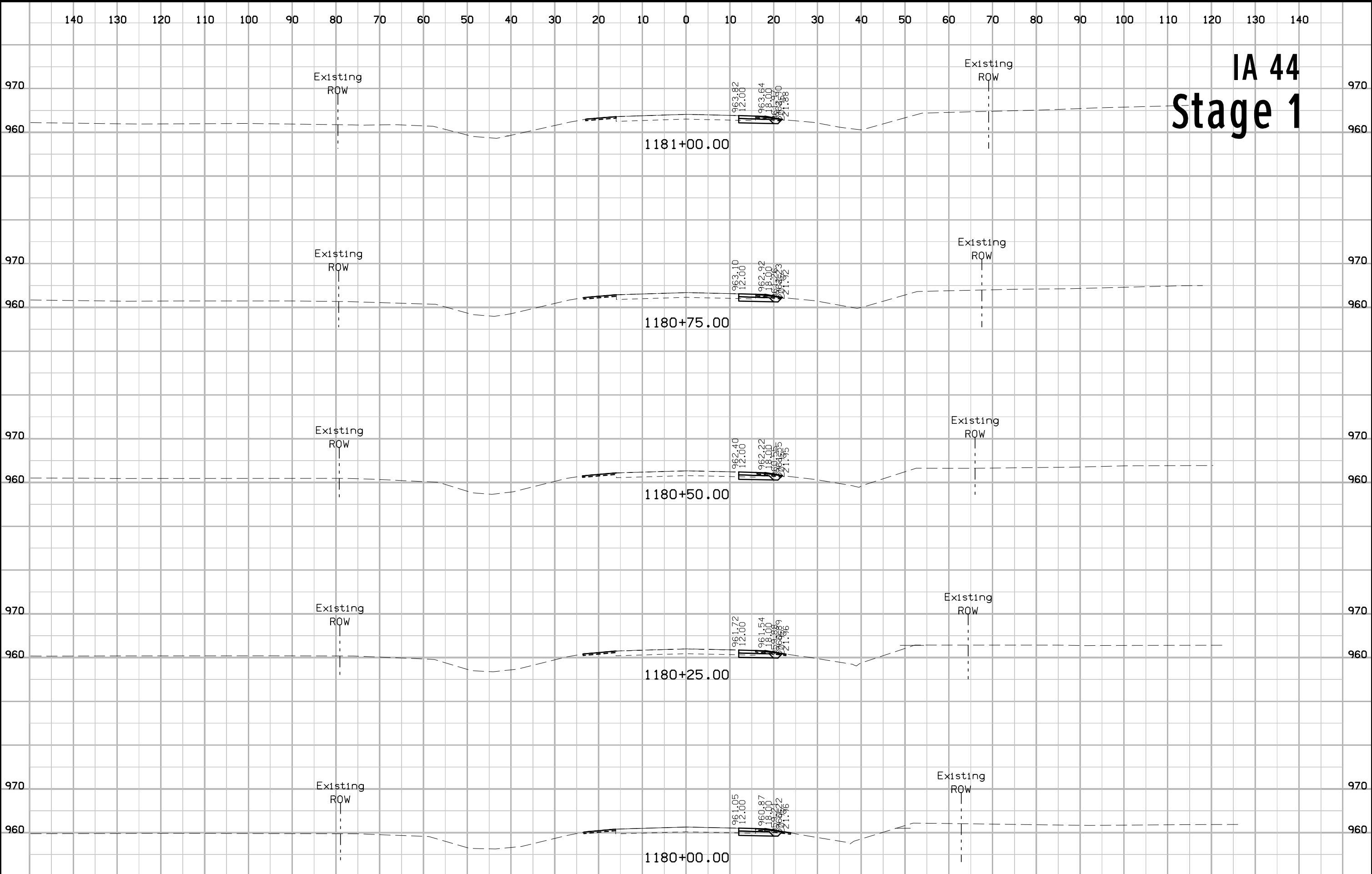
# IA 44 Stage 1



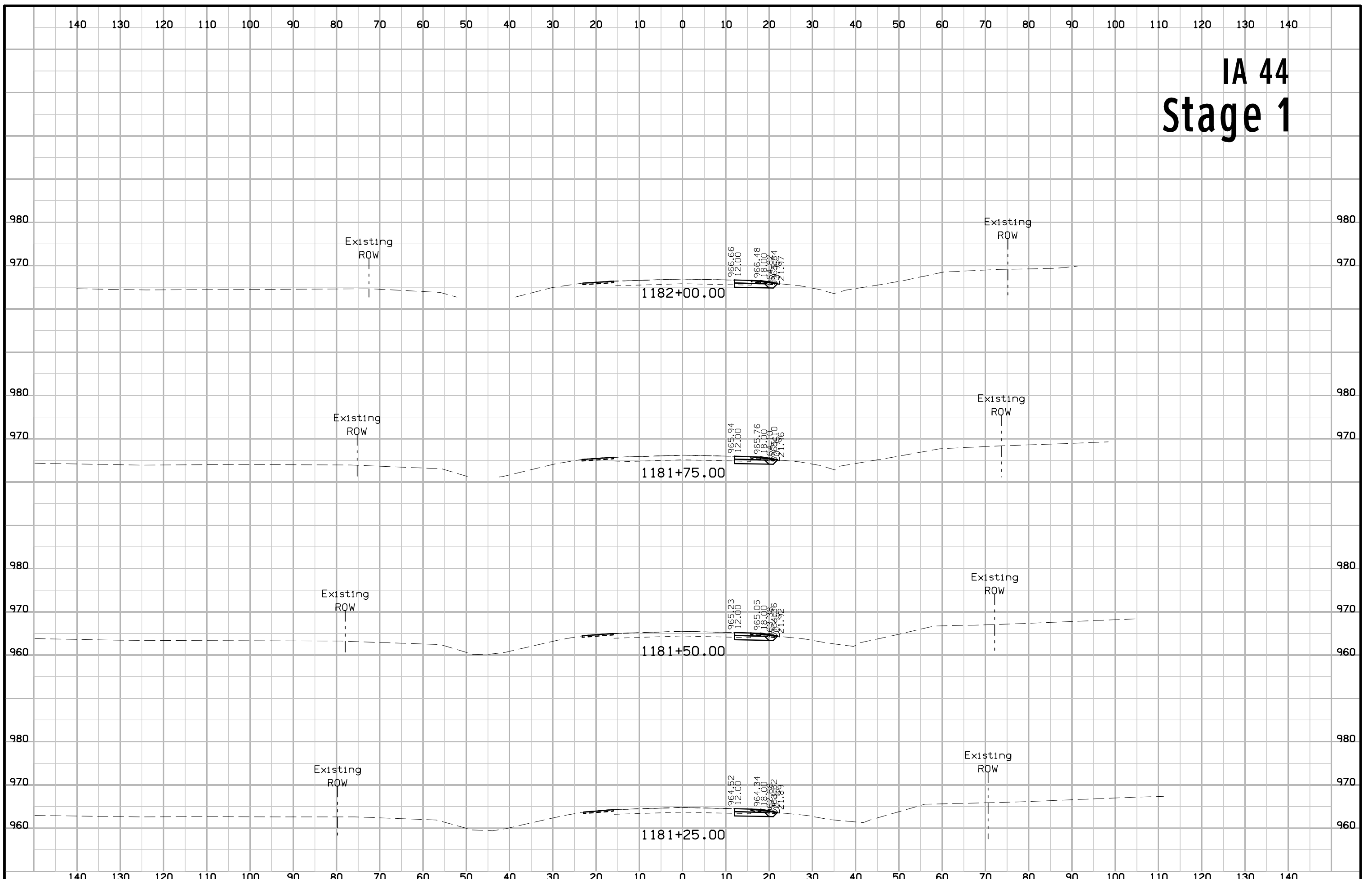
# IA 44 Stage 1



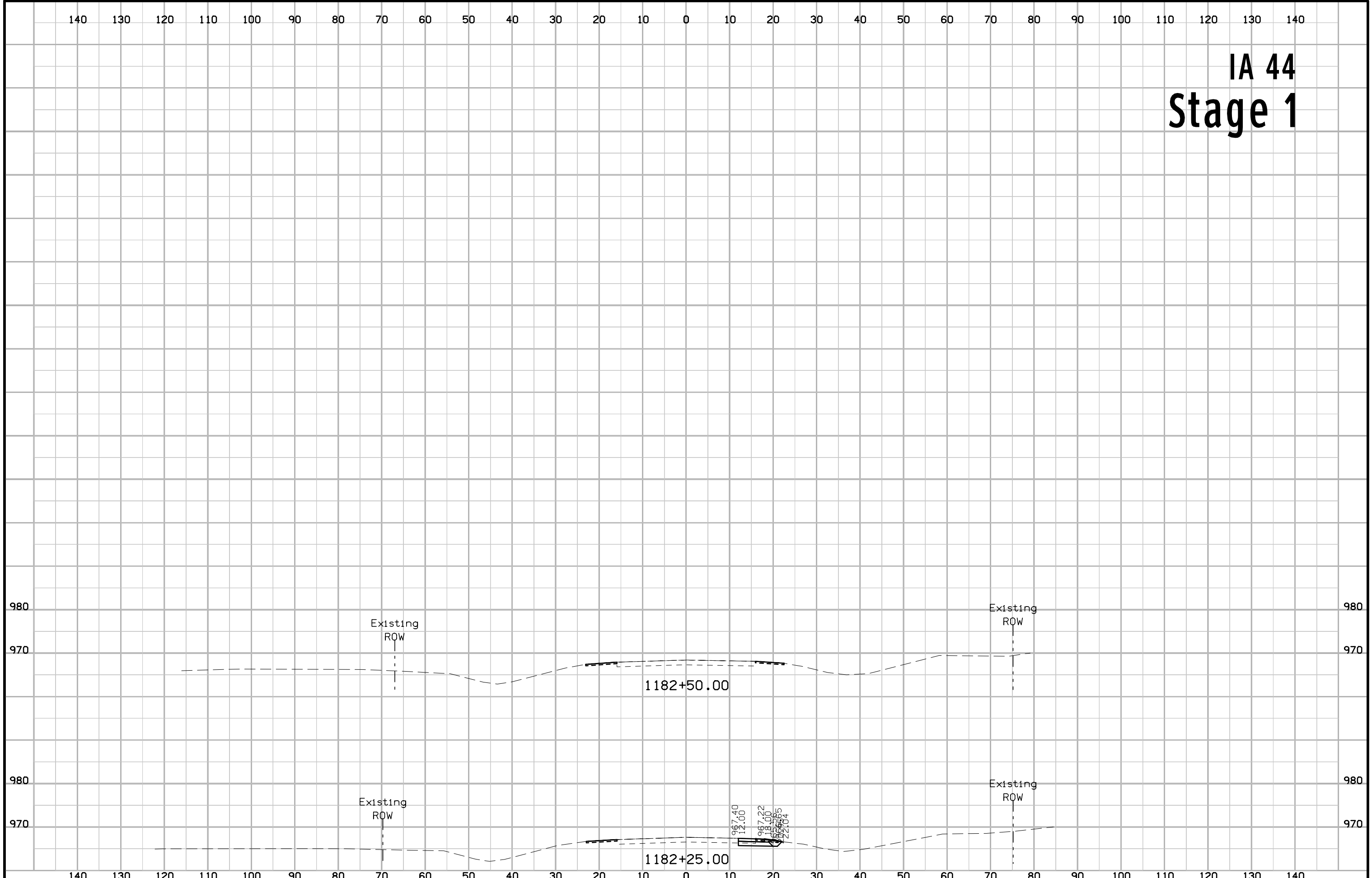
# IA 44 Stage 1

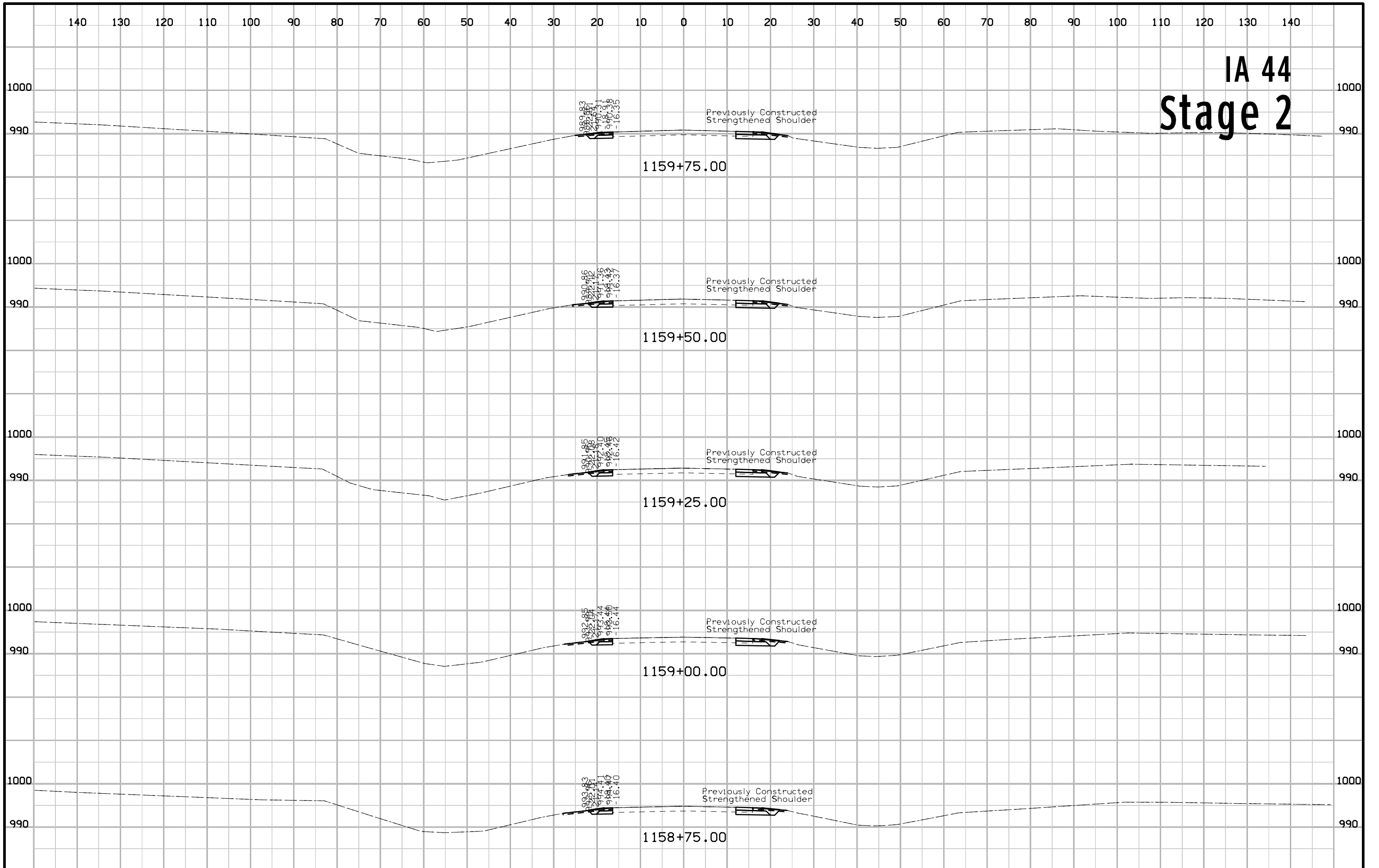


# IA 44 Stage 1

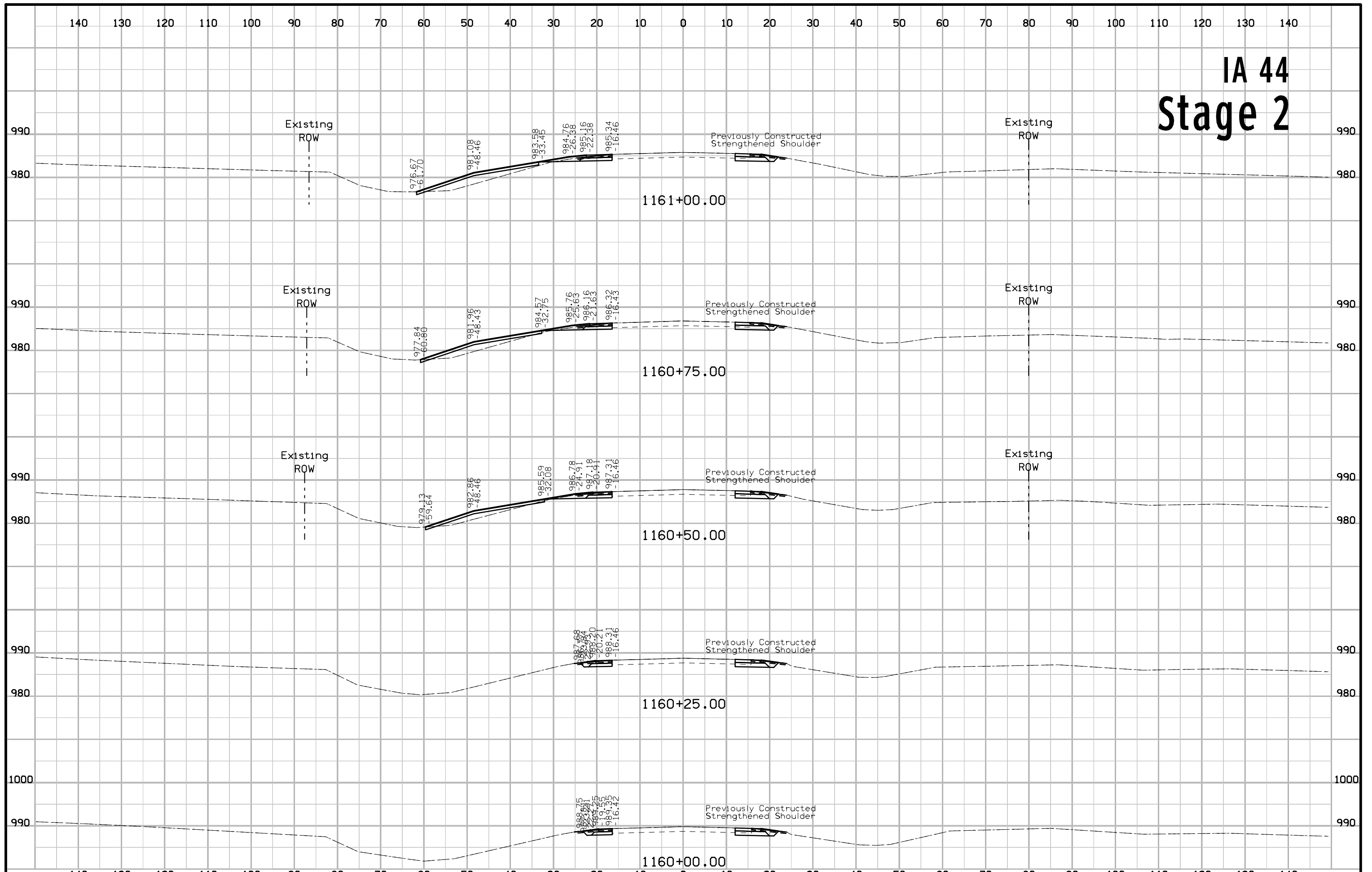


# IA 44 Stage 1

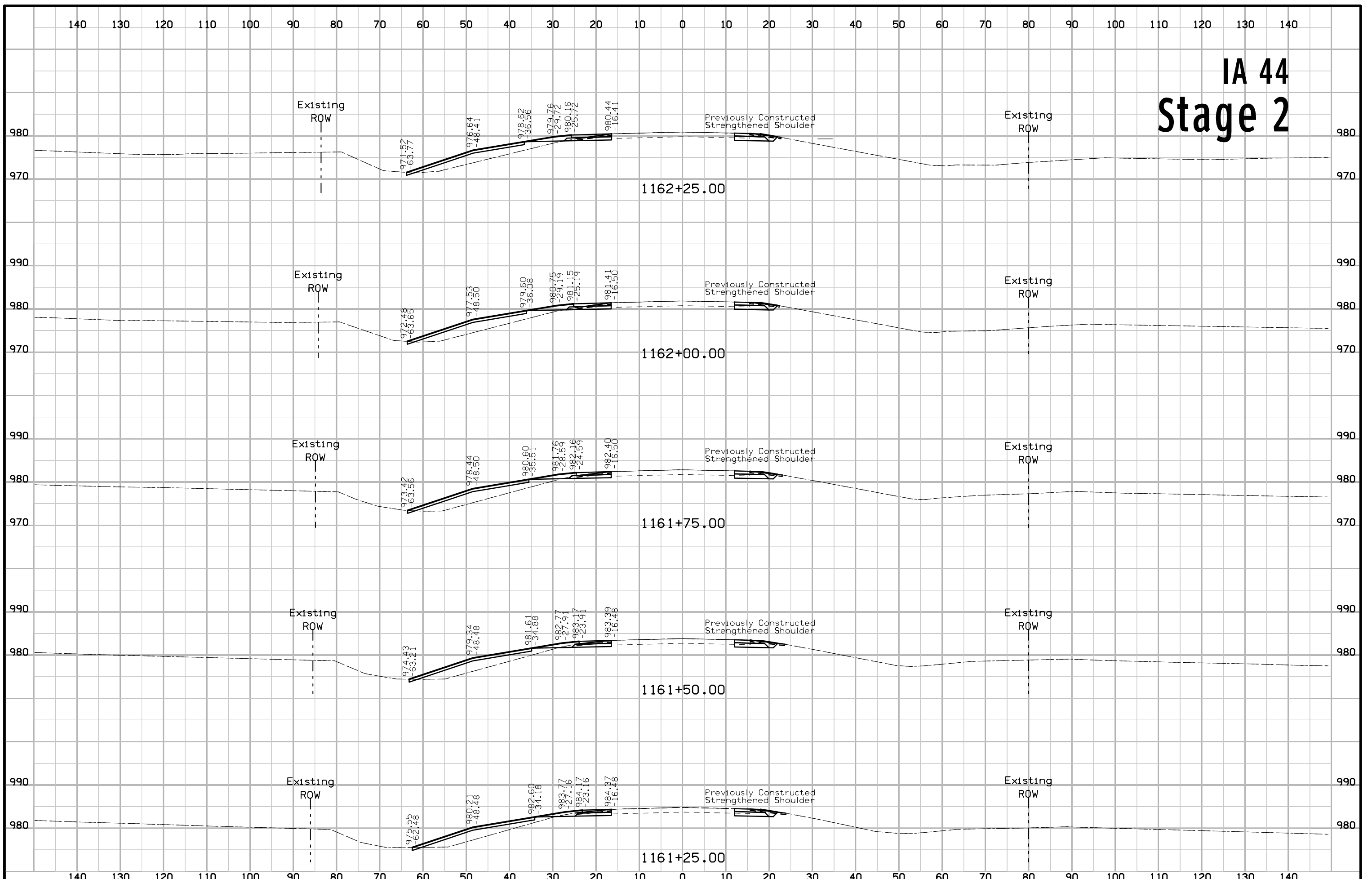




# IA 44 Stage 2

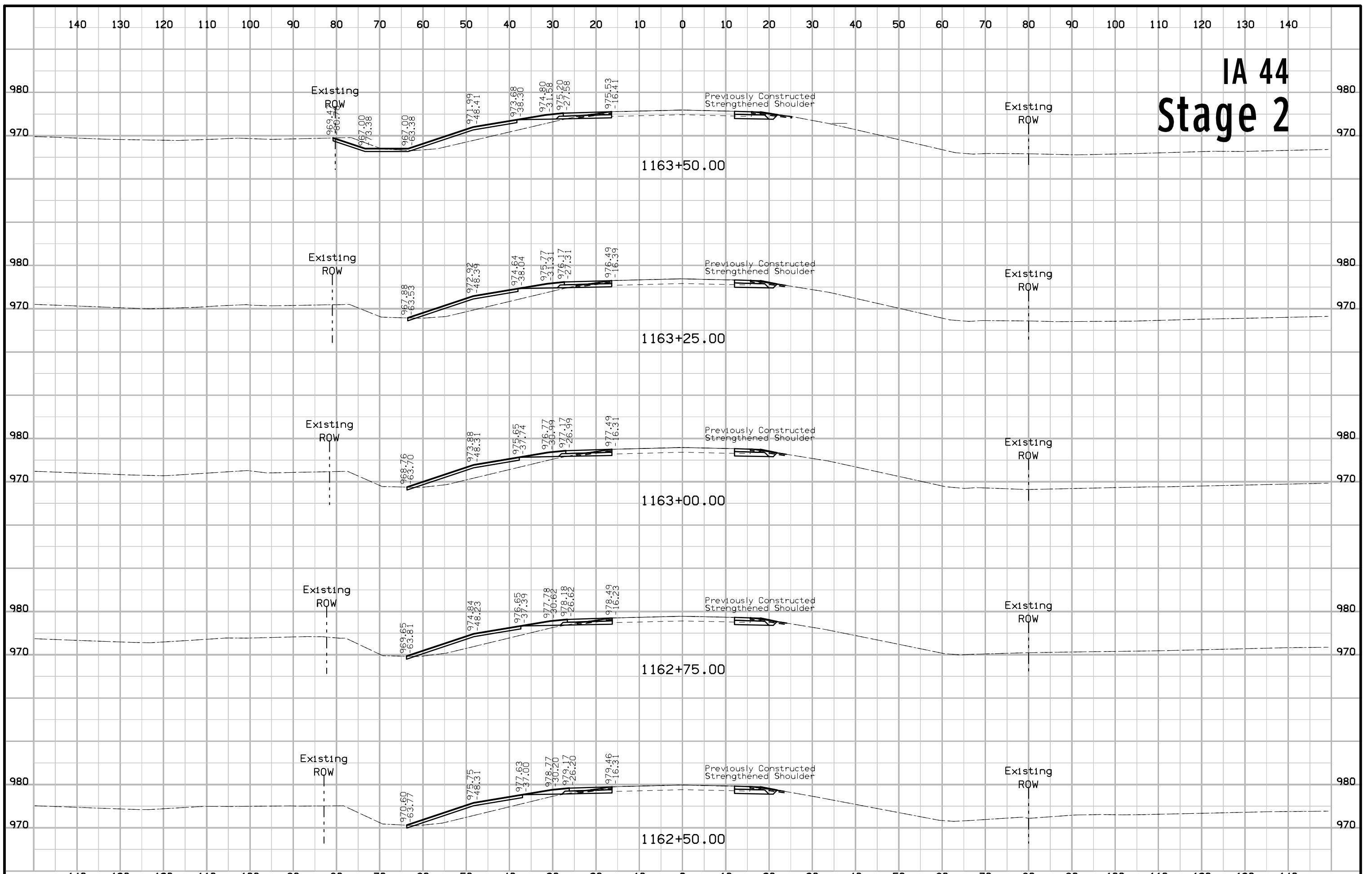


# IA 44 Stage 2

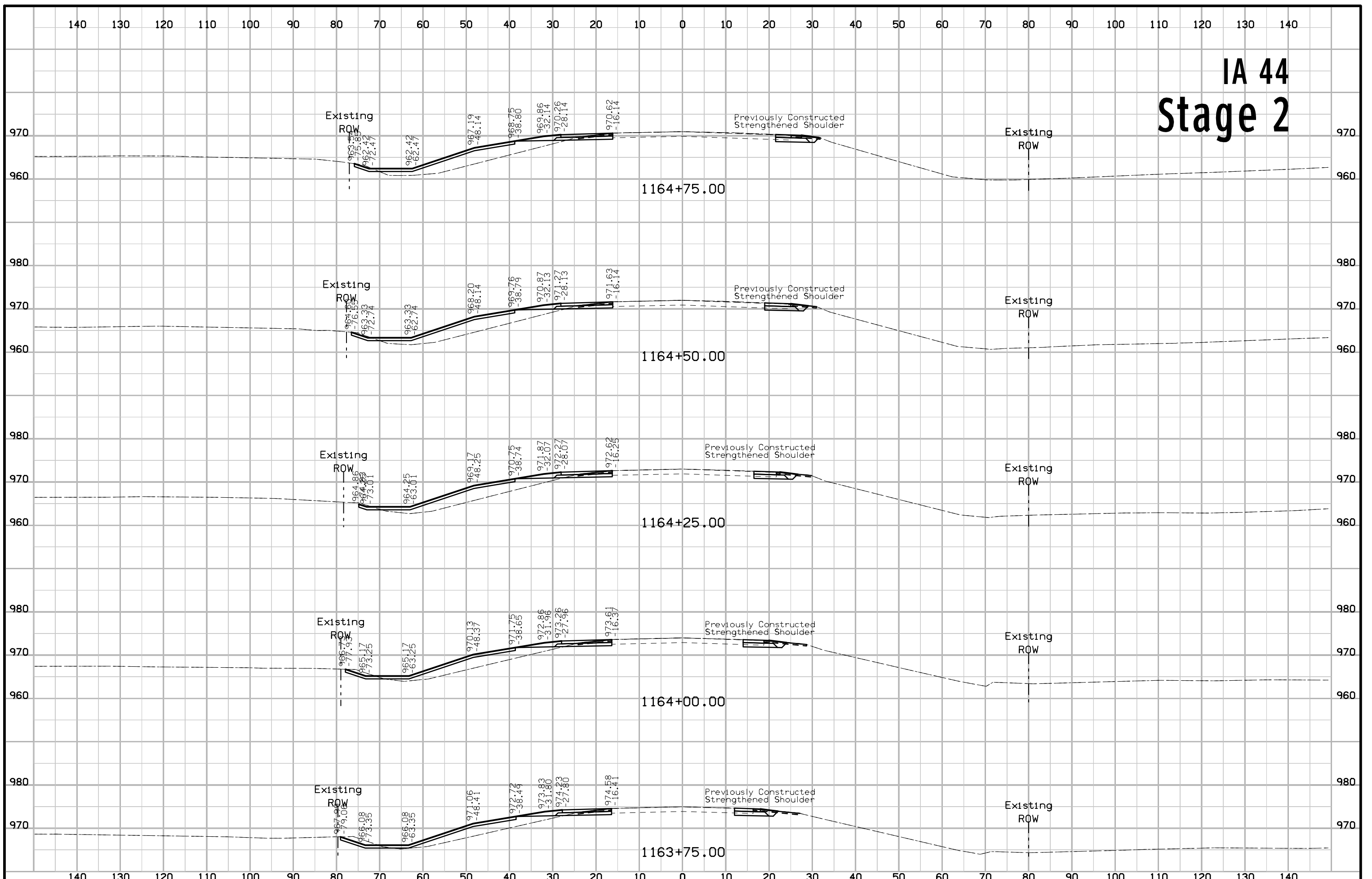




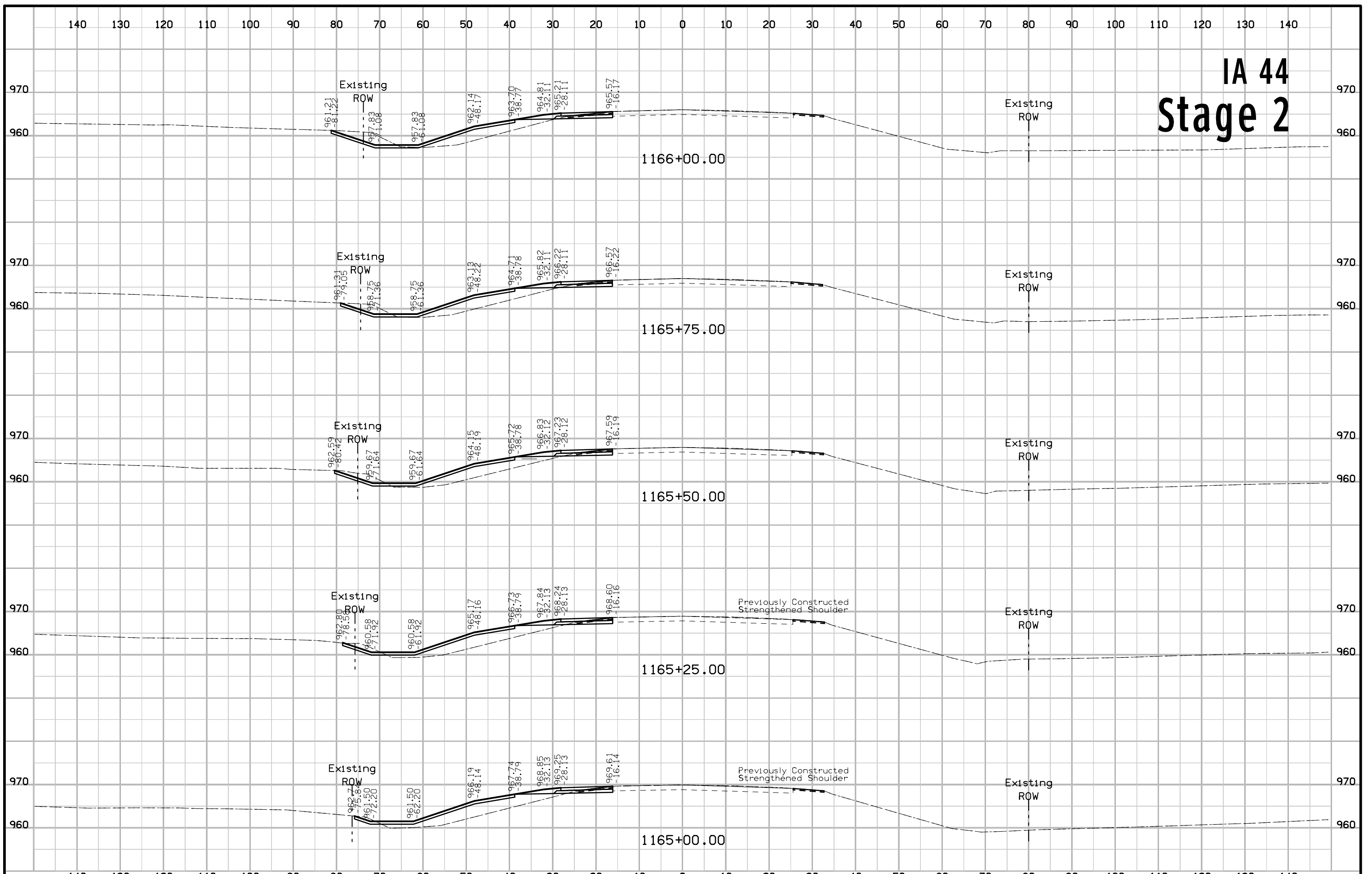
# IA 44 Stage 2



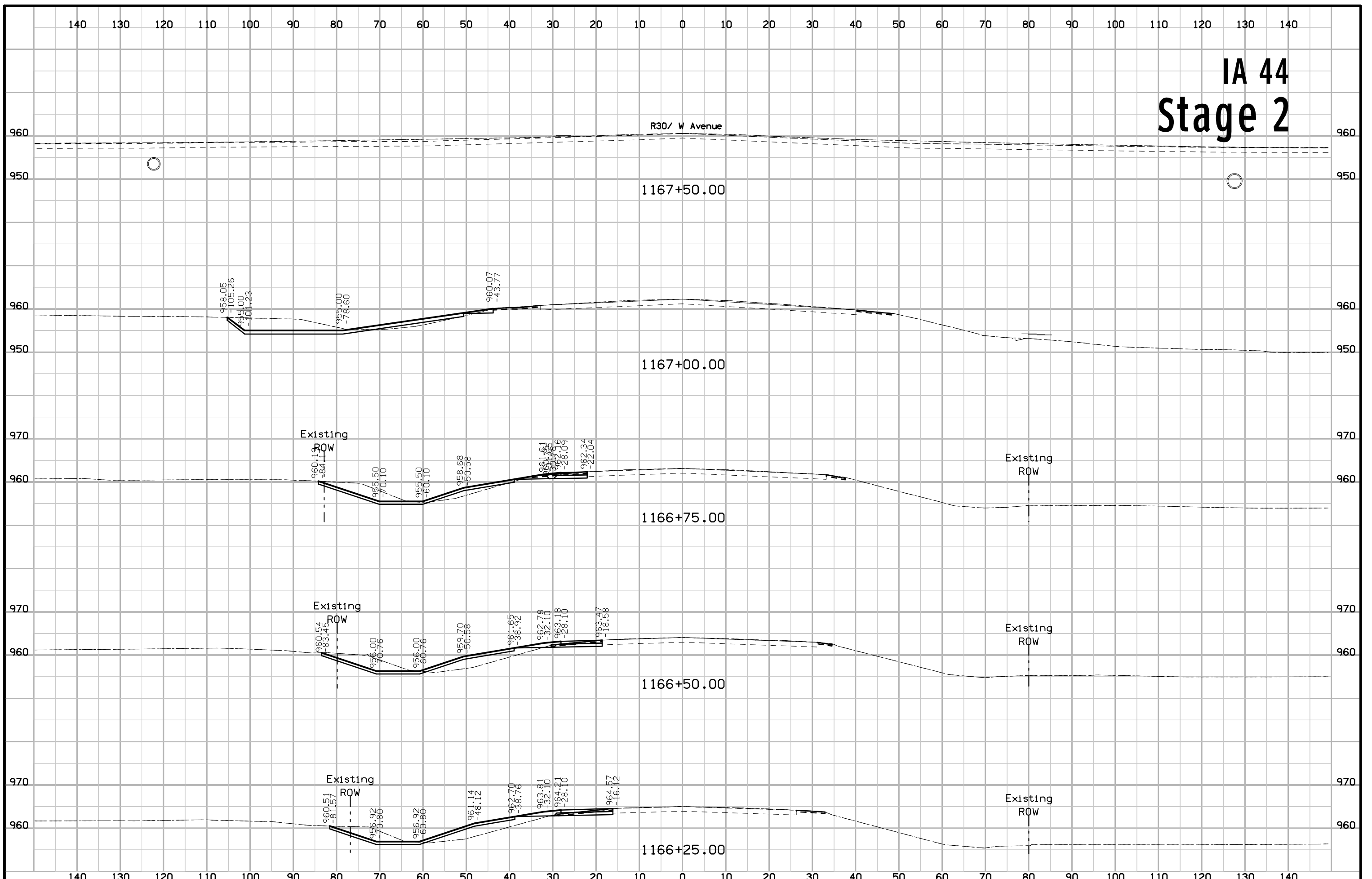
# IA 44 Stage 2



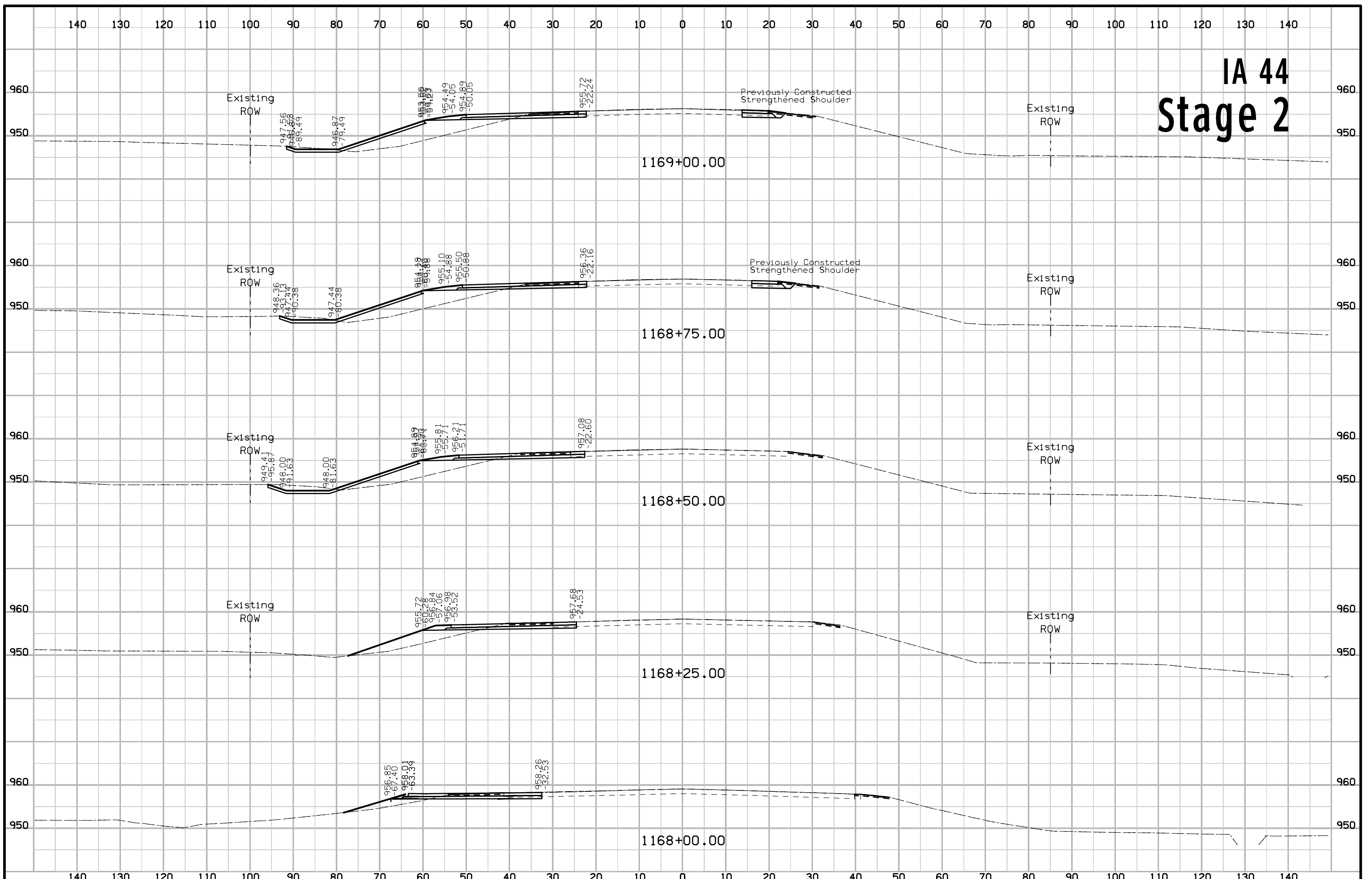
# IA 44 Stage 2



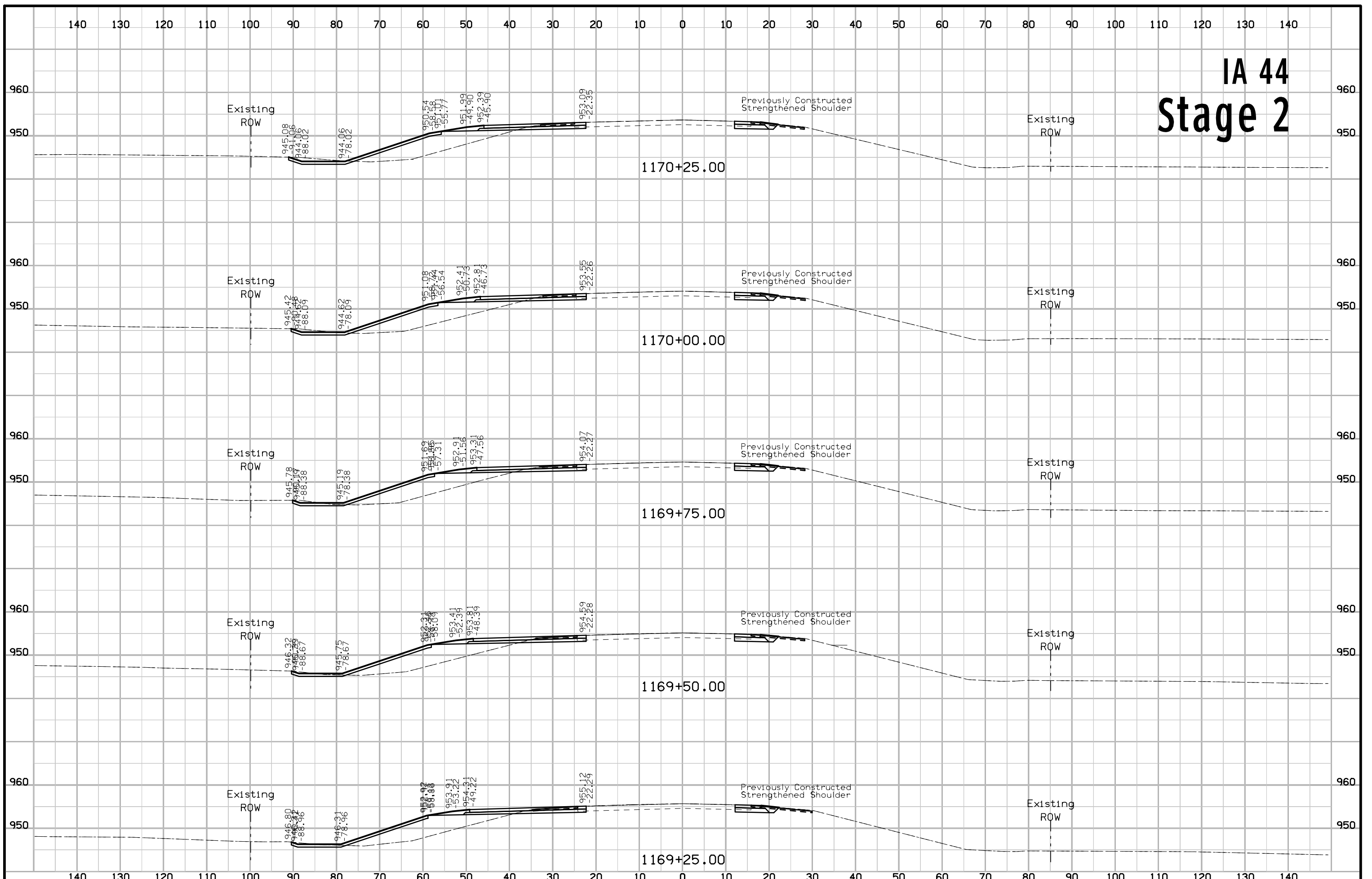
# IA 44 Stage 2



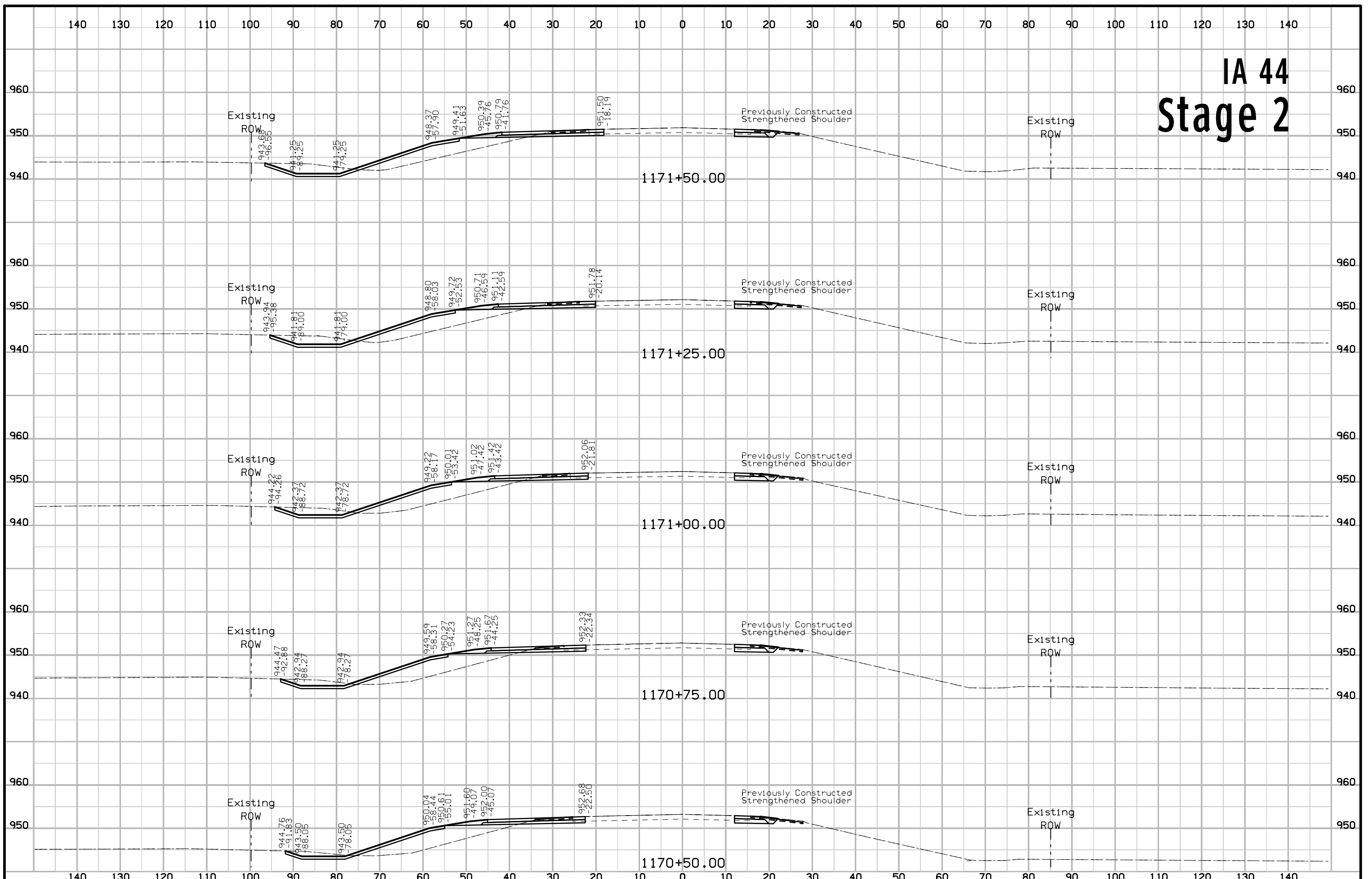
# IA 44 Stage 2

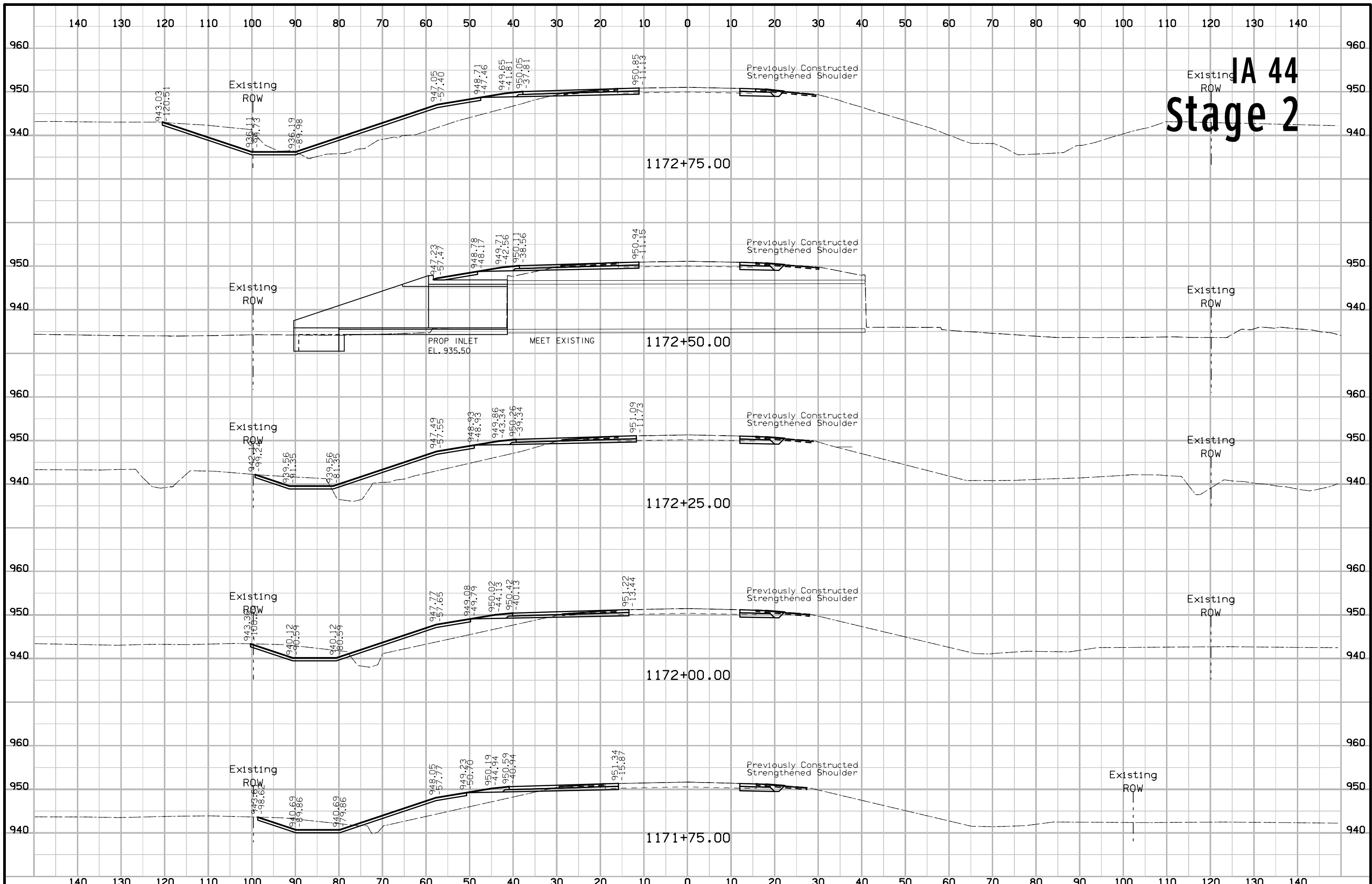


# IA 44 Stage 2



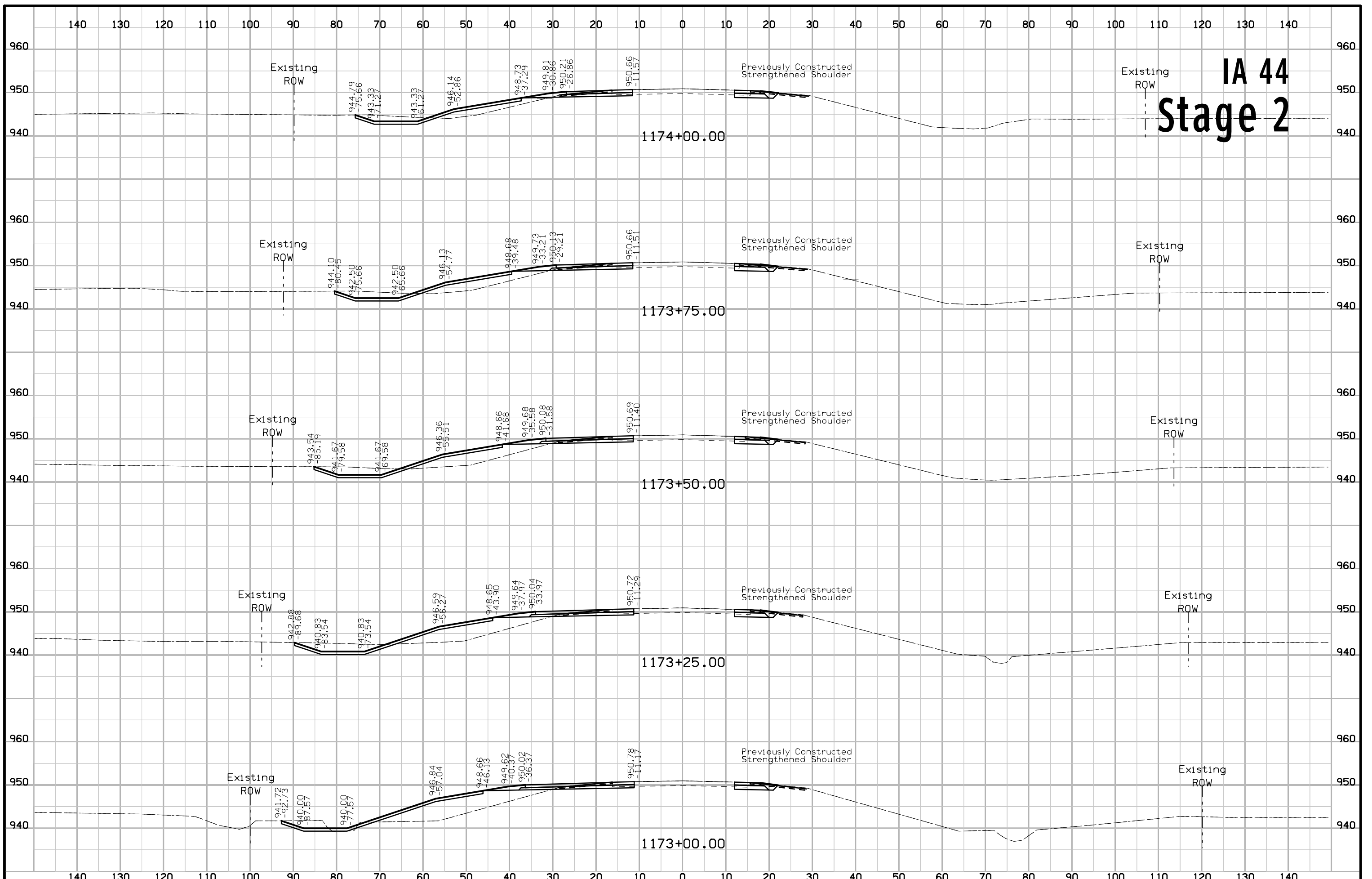
# IA 44 Stage 2



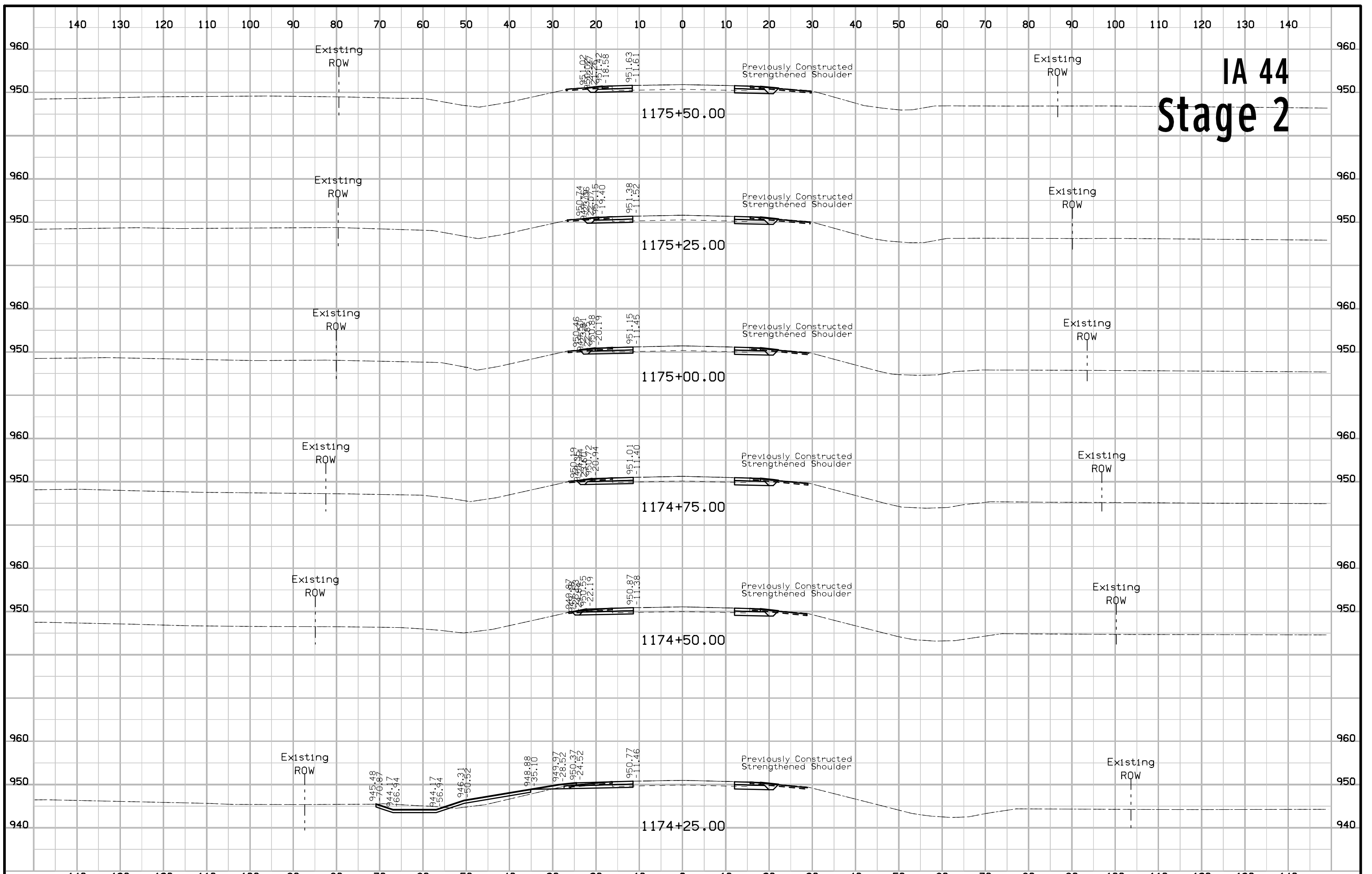




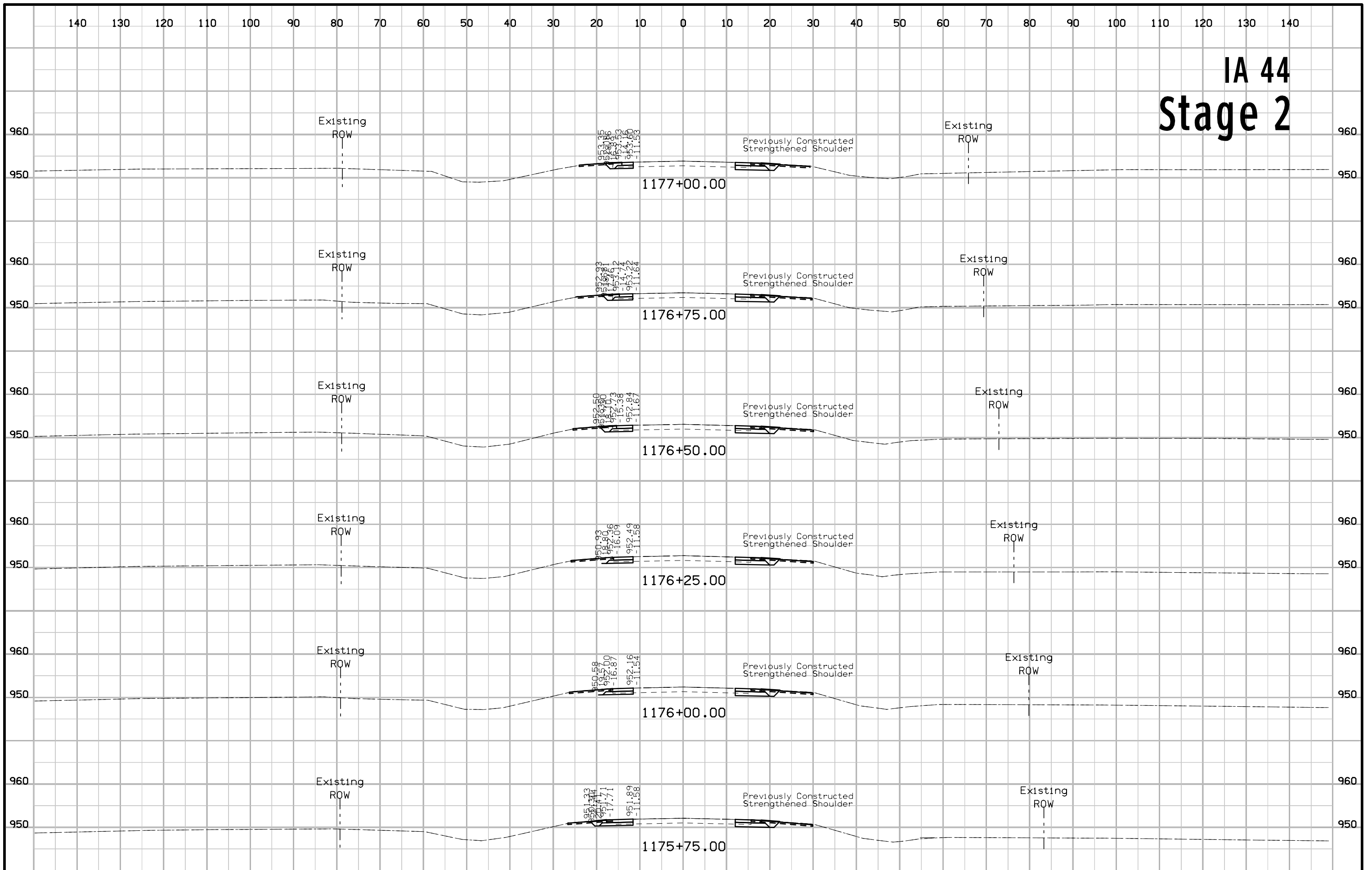
# IA 44 Stage 2



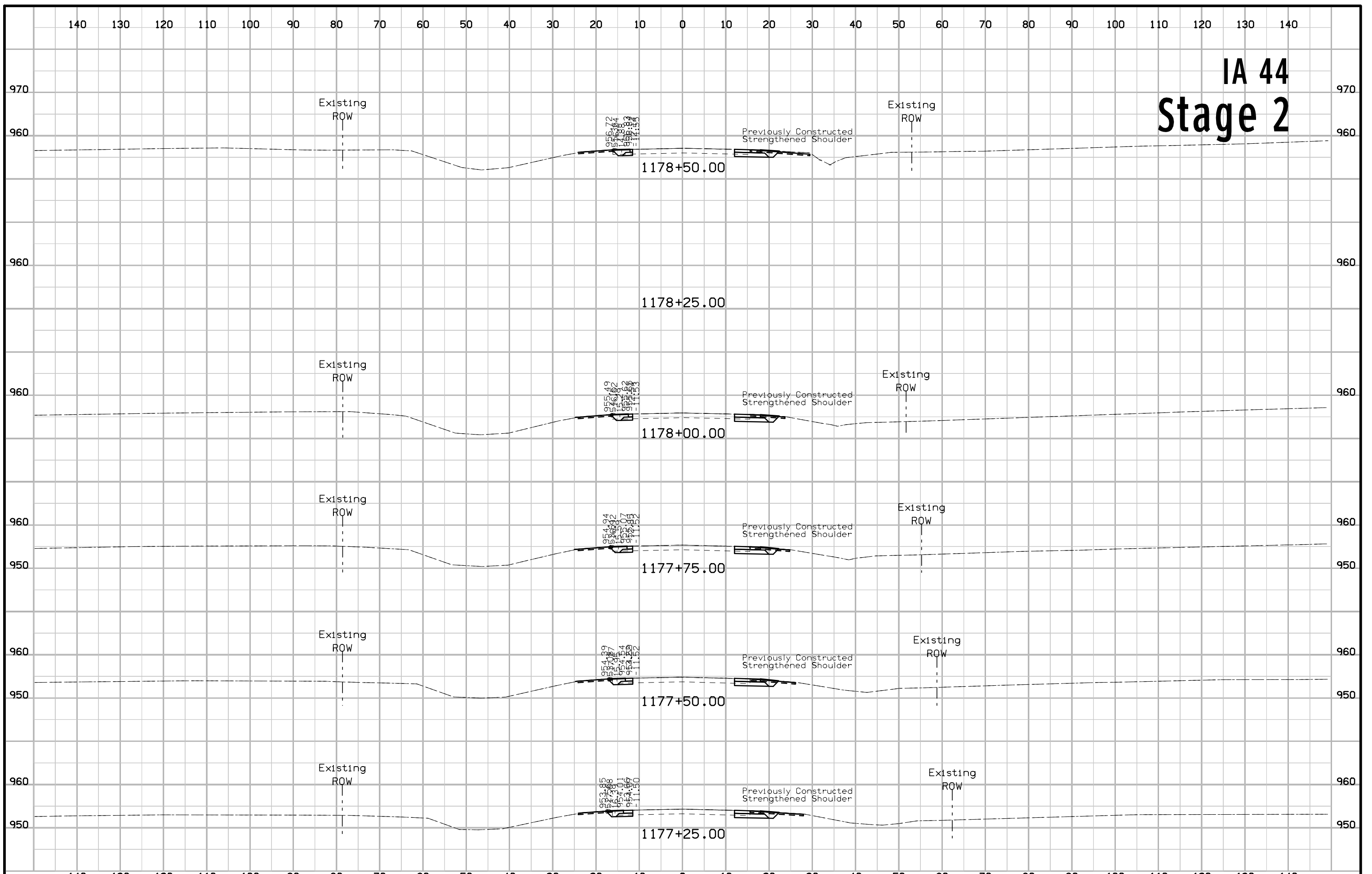
# IA 44 Stage 2



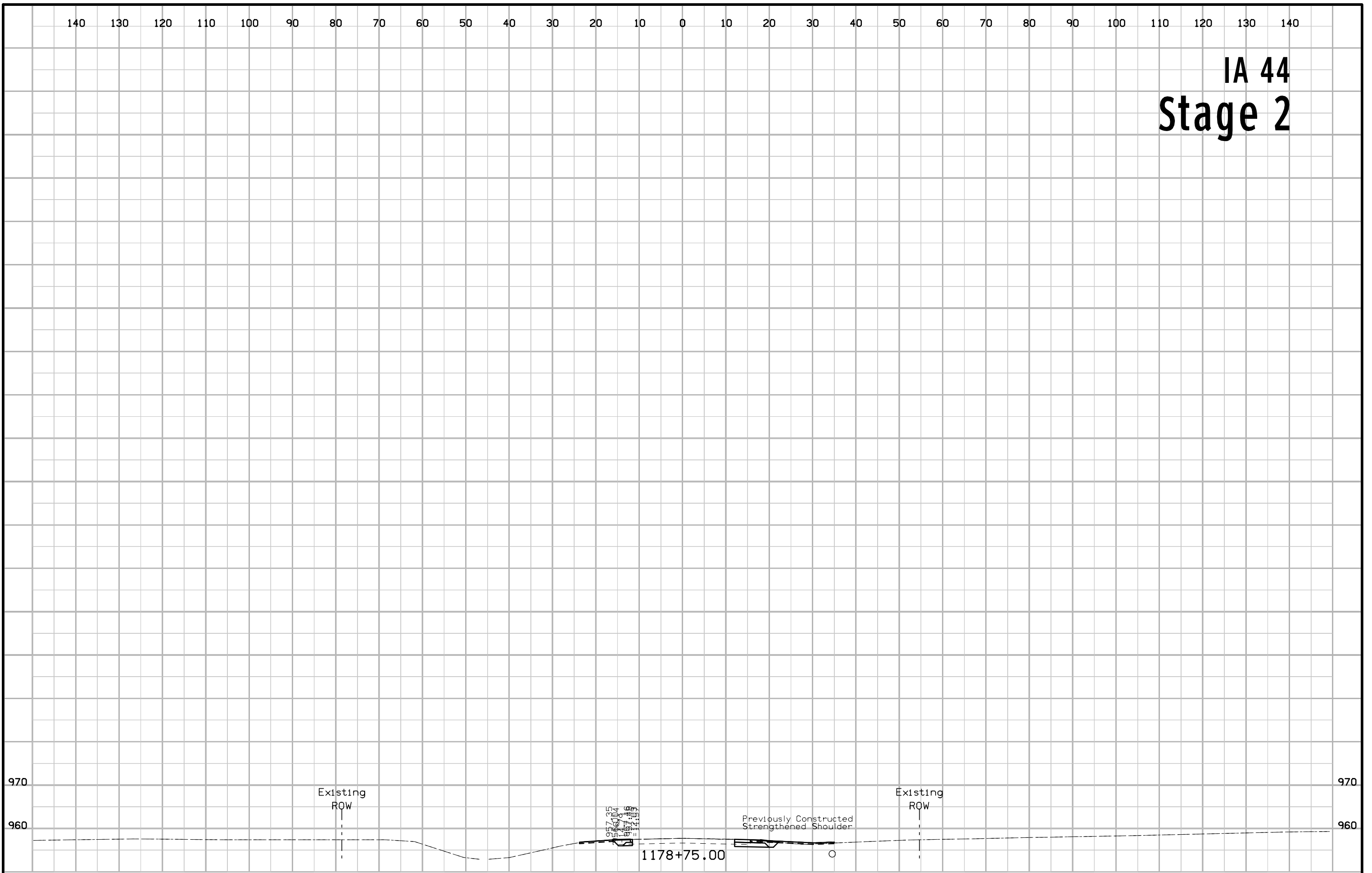
# IA 44 Stage 2



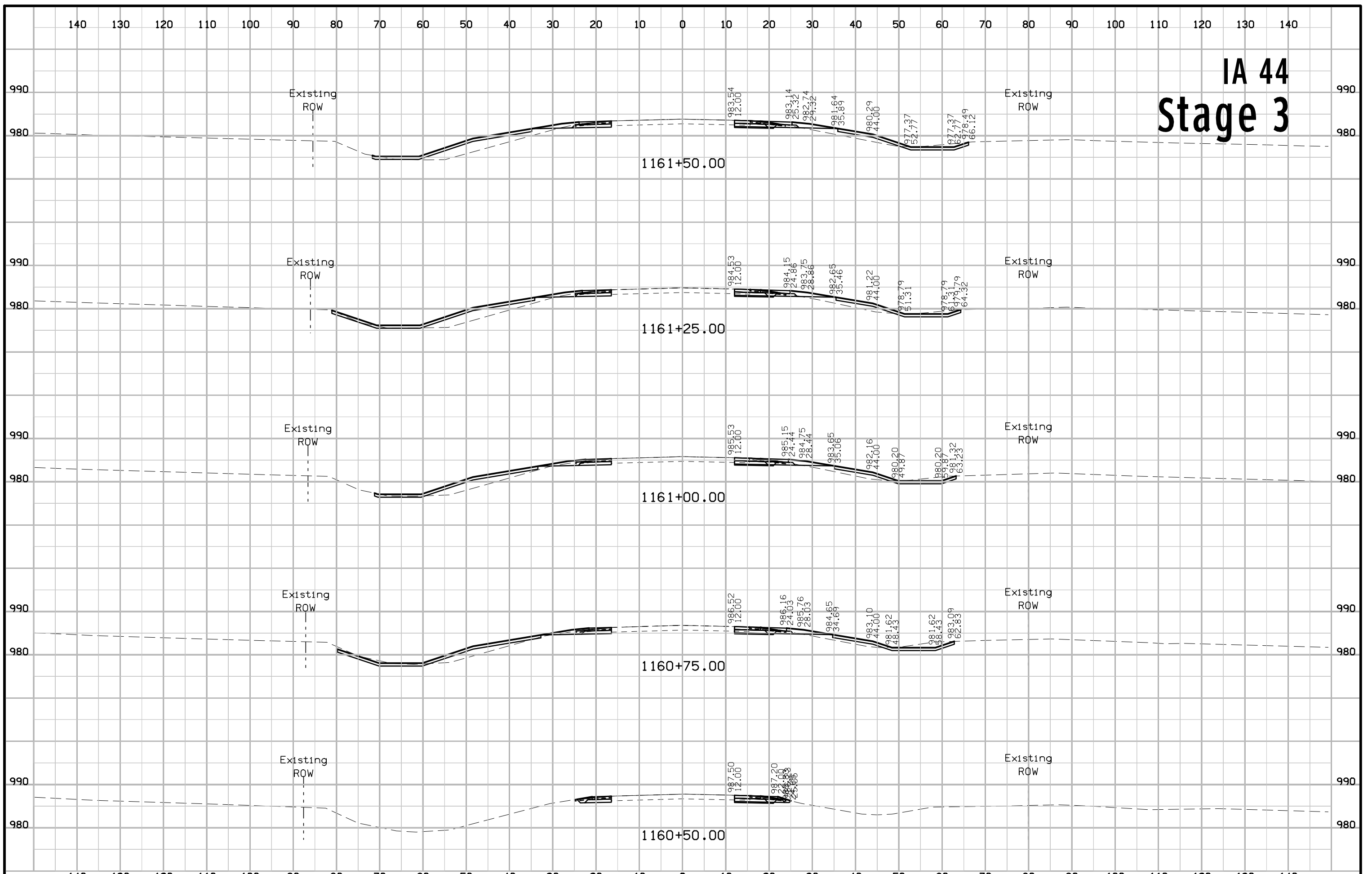
# IA 44 Stage 2



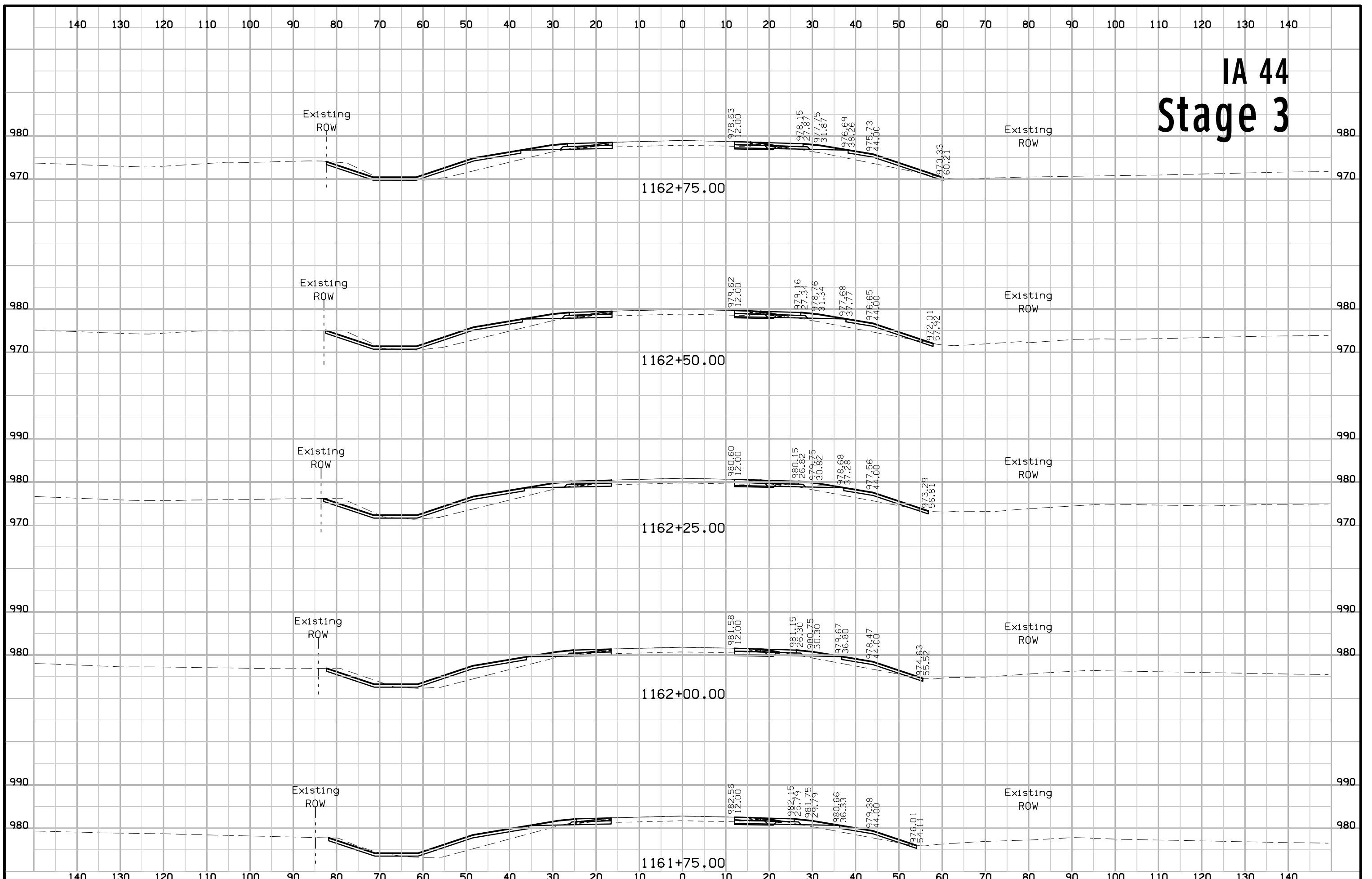
# IA 44 Stage 2



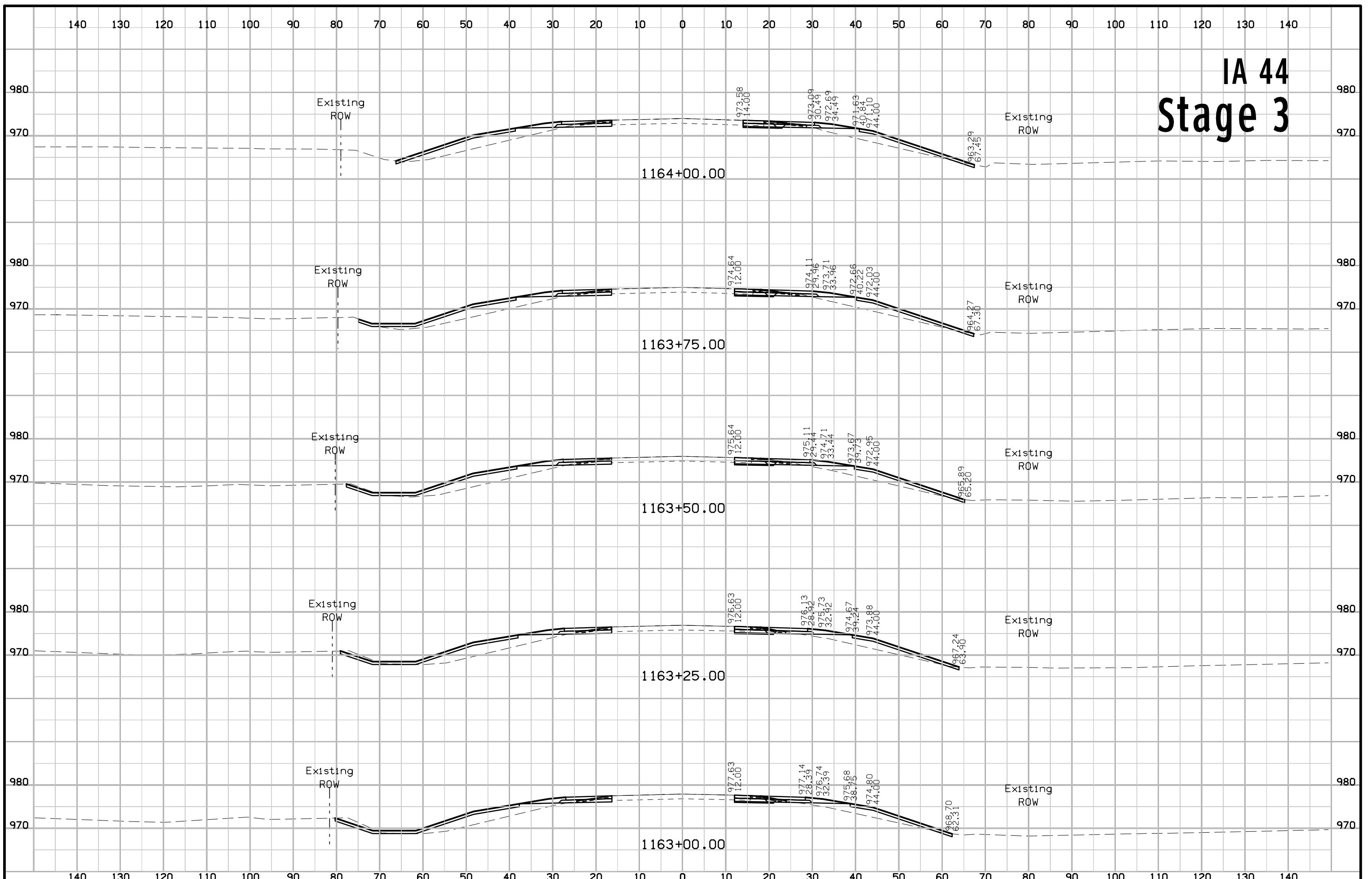
# IA 44 Stage 3



# IA 44 Stage 3

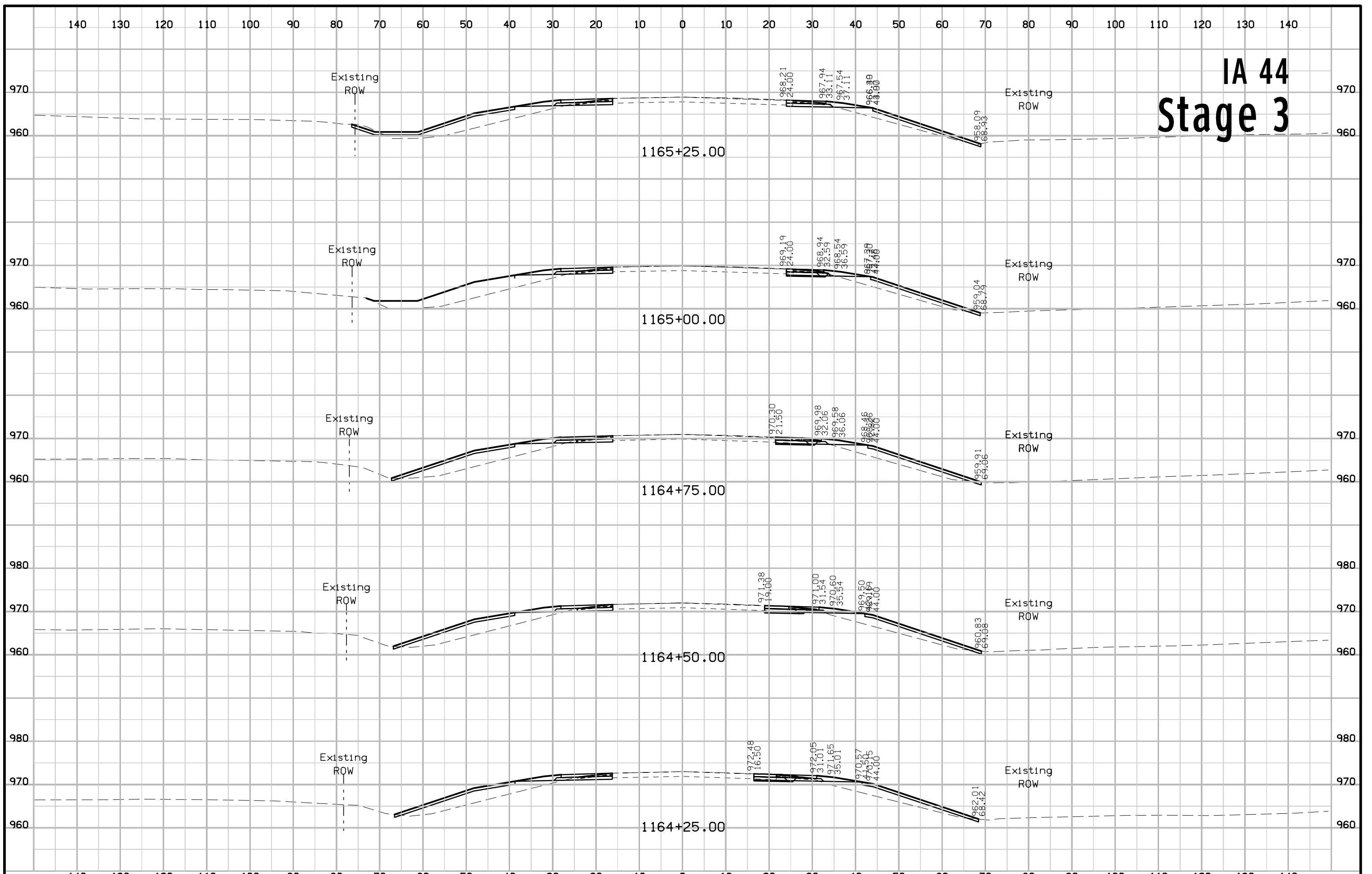


# IA 44 Stage 3

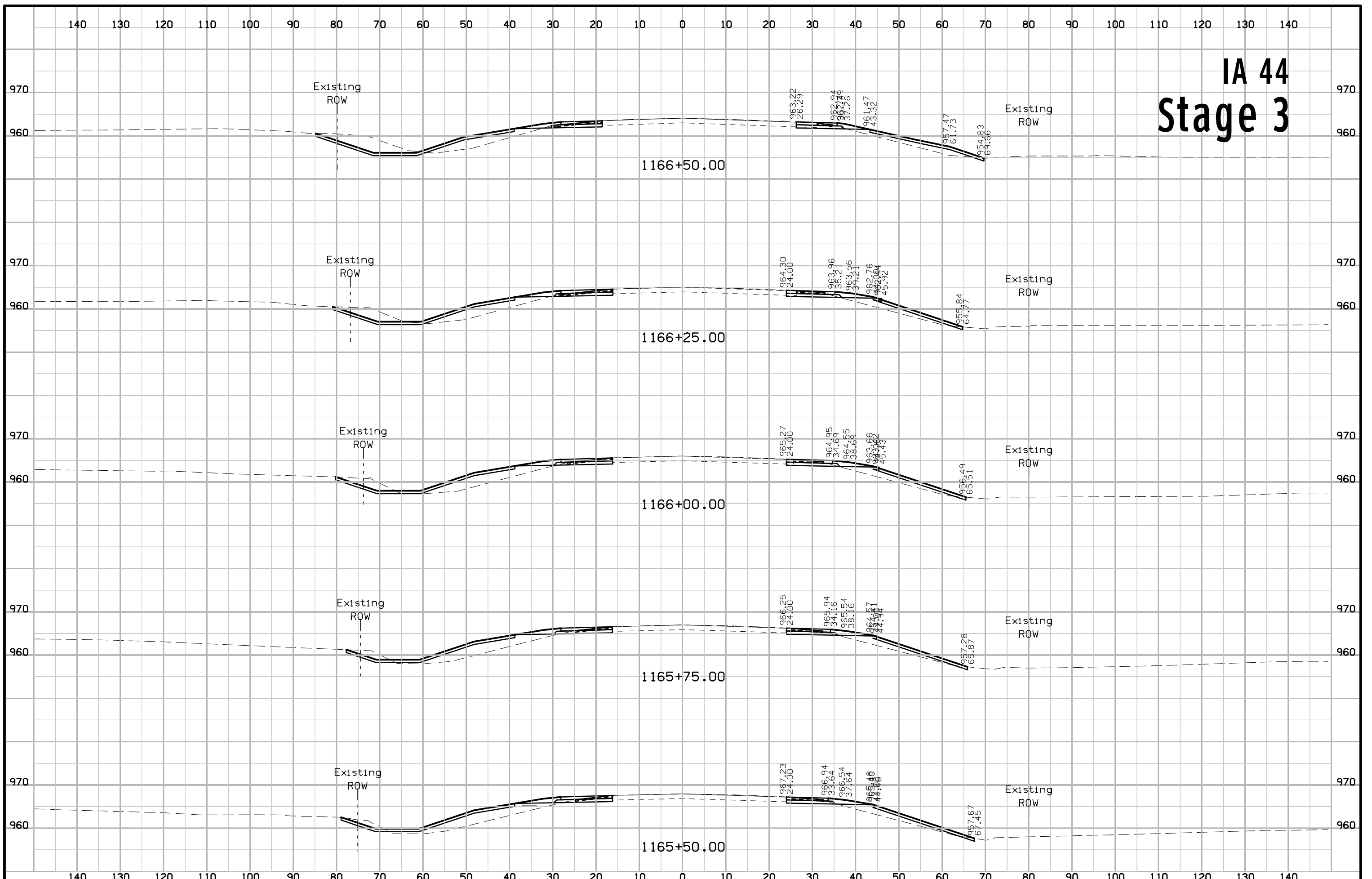




# IA 44 Stage 3



# IA 44 Stage 3



# IA 44 Stage 3

