

No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	Typical Cross Sections and Details
B.1	Typical Cross Sections and Details
D Sheets	Mainline Plan and Profile Sheets
* D.1 - 4	ML IA 14 Plan Sheets
* D.5 - 6	ML IA 14 Plan & Profile Sheets
J Sheets	Traffic Control and Staging Sheets
* J.1	Traffic Control Plan
* J.2	Detour Route
U Sheets	500 Series, Mod.Stds. and Detail Sheets
U.1	Sight Distance
W Sheets	Mainline Cross Sections
W.1 - 25	Mainline Cross Sections
X Sheets	Side Road Cross Sections
X.1 - 5	Side Road Cross Sections
	* Color Plan Sheets



PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
JASPER COUNTY
Grade and Replace
In Newton, N of 4th Ave to N of 23rd Ave

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



Task Name	Description	Date
D00	Pre-Design Concept	01/19/2024
D01	Survey Plan and Photogrammetry (DTM)	04/05/2024
D02	Design Field Exam	05/03/2024
D03	Plans for Preliminary Bridge	06/07/2024
D05	Plans to Right Of Way	10/04/2024
D08	Final Grade and Pave Plans	08/04/2026
DM5	Design Methods Turn-In	06/30/2026
L03	Letting-Combination Grade and Pave	10/20/2026

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Jeremey J. Vortherms	Primary Signature Block	C.1

PRELIMINARY PLANS

Subject to change by final design.

REVISIONS

TOTAL

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PROJECT IDENTIFICATION NUMBER

24-50-014-020

PROJECT NUMBER

NHSX-014-4(073)--3H-50

R.O.W. PROJECT NUMBER

Full Depth PCC Combination Shoulder

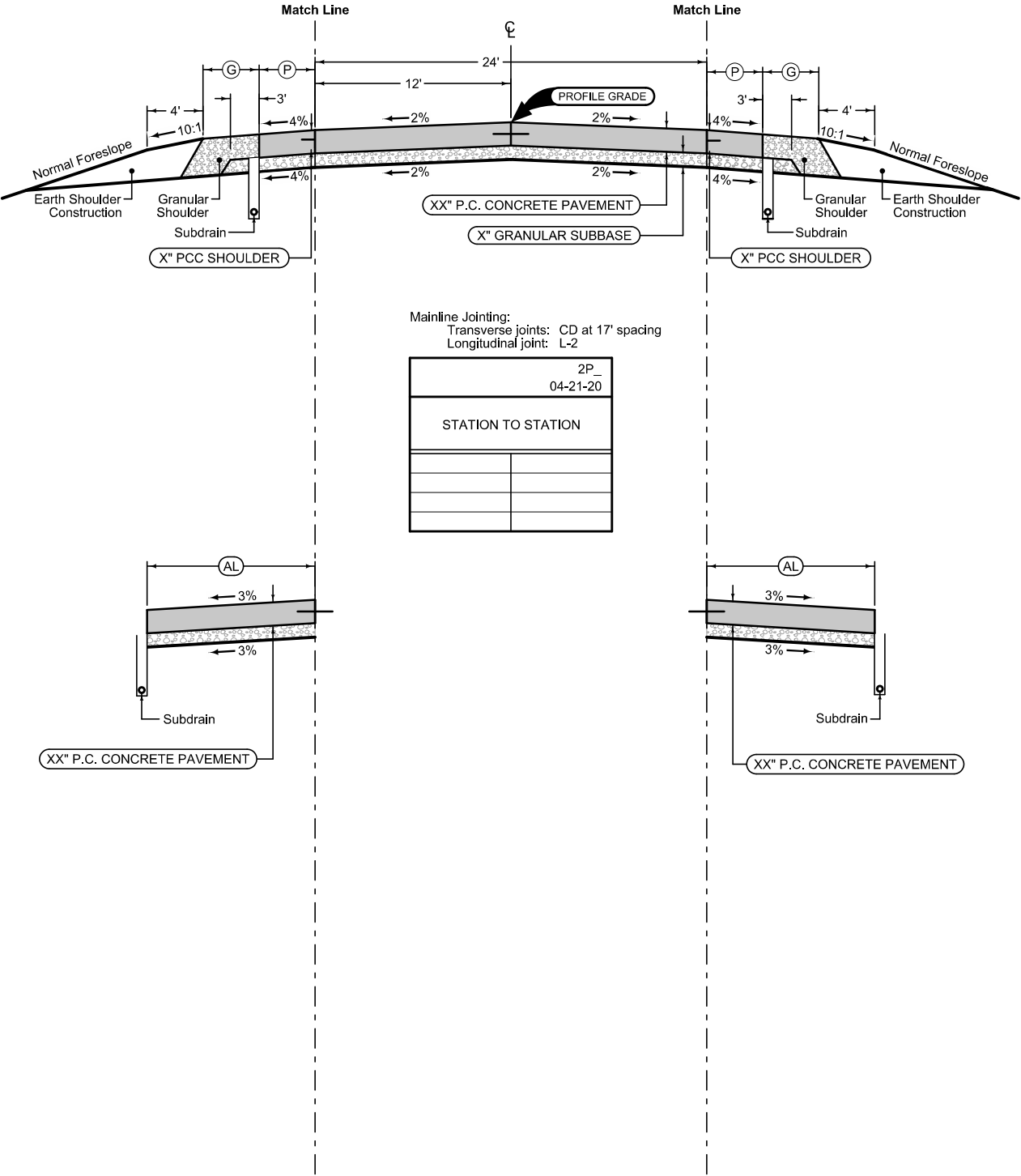
Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

2_C_FullPCC_04-20-21			
STATION TO STATION		(P) Feet	(G) Feet
		6	4

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

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



Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

2P_04-21-20	
STATION TO STATION	

Full Depth PCC Combination Shoulder

Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

2_C_FullPCC_04-20-21			
STATION TO STATION		(P) Feet	(G) Feet
		6	4

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

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

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

IA 14 PCC RECONSTRUCTION

SURVEY SYMBOLS

	Interstate Highway Symbol		Septic Tank
	U.S. Highway Symbol		Cistern
	Iowa Highway Symbol		L.P. Gas Tank (No Footing)
	County Road Highway Symbol		Underground Storage Tank
	Evergreen Tree		Latrine
	Deciduous Tree		Satellite TV Dish
	Fruit Tree		Water Hook Up
	Shrub (Bushes)		Radio Tower
	Timber		Tower Anchor
	Hedge		Guardrail (Beam or Cable)
	Stump		Guard Post (one or two)
	Swamp		Guard Post (over two)
	Rock Outcrop		Filler Pipe
	Broken Concrete		Gas Valve
	Revetment (Rip Rap)		Water Valve
	Cemetery		Speed Limit Sign
	Grave		Mile Marker Post
	Cave		Sign
	Sink Hole		Traffic Signal Control Box
	Board Fence		Rail Road Signal Control Box
	Chain Link or Security Fence		Telephone Switch Box
	Wire Fence		Electric Box
	Terrace		
	Earth Dam or Dike (Existing)		
	Tile Outlet		
	Edge of Water		
	Existing Drainage		
	Right of Way Rail or Lot Corner		
	Concrete Monument		
	Well		
	Windmill		
	Beehive Intake		
	Existing Intake		
	Existing Utility Access (Manhole)		
	Fire Hydrant		
	Water Hydrant (Rural)		

UTILITY LEGEND

	E1	EL1D, Electric Line Co. 1 - Quality D
	PPA	PPA, Power Pole Co. 1
	F0	FO1D, Fiber Optic Co. 1 - Quality D
	F02	FO2D, Fiber Optic Co. 2 - Quality D
	F03	FO3D, Fiber Optic Co. 3 - Quality D
	F04	FO4D, Fiber Optic Co. 4 - Quality D
	F06	FO6D, Fiber Optic Co. 6 - Quality D
	F07	FO7D, Fiber Optic Co. 7 - Quality D
	F08	FO8D, Fiber Optic Co. 8 - Quality D
	G	GL1D, Gas Line Co. 1 - Quality D
	G2	GL2D, Gas Line Co. 2 - Quality D
	SAN	SA1D, Sanitary Sewer Co. 1- Quality D
	ST S	ST1D, Storm Sewer Co. 1 - Quality D
	T1	TL1D, Telephone Line Co. 1 - Quality D
	W	WL1D, Water Line Co. 1 - Quality D
	W2	WL2D, Water Line Co. 2 - Quality D

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.		Transparency
Pink, Dark	(13)		Temporary Pavement Shading
Yellow	(4)		Proposed Pavement Shading
Orange	(6)		Proposed Granular Shading
Orange	(70)		Proposed Shoulder Granular Shading
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading
Brown, Light	(236)		Grading Shading
Orange, Light	(134)		Proposed Granular Entrance Shading
Yellow	(220)		Proposed Paved Entrance Shading
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading
Red	(3)		Proposed Structure Shading
Red	(3)		Delineates Restricted Areas

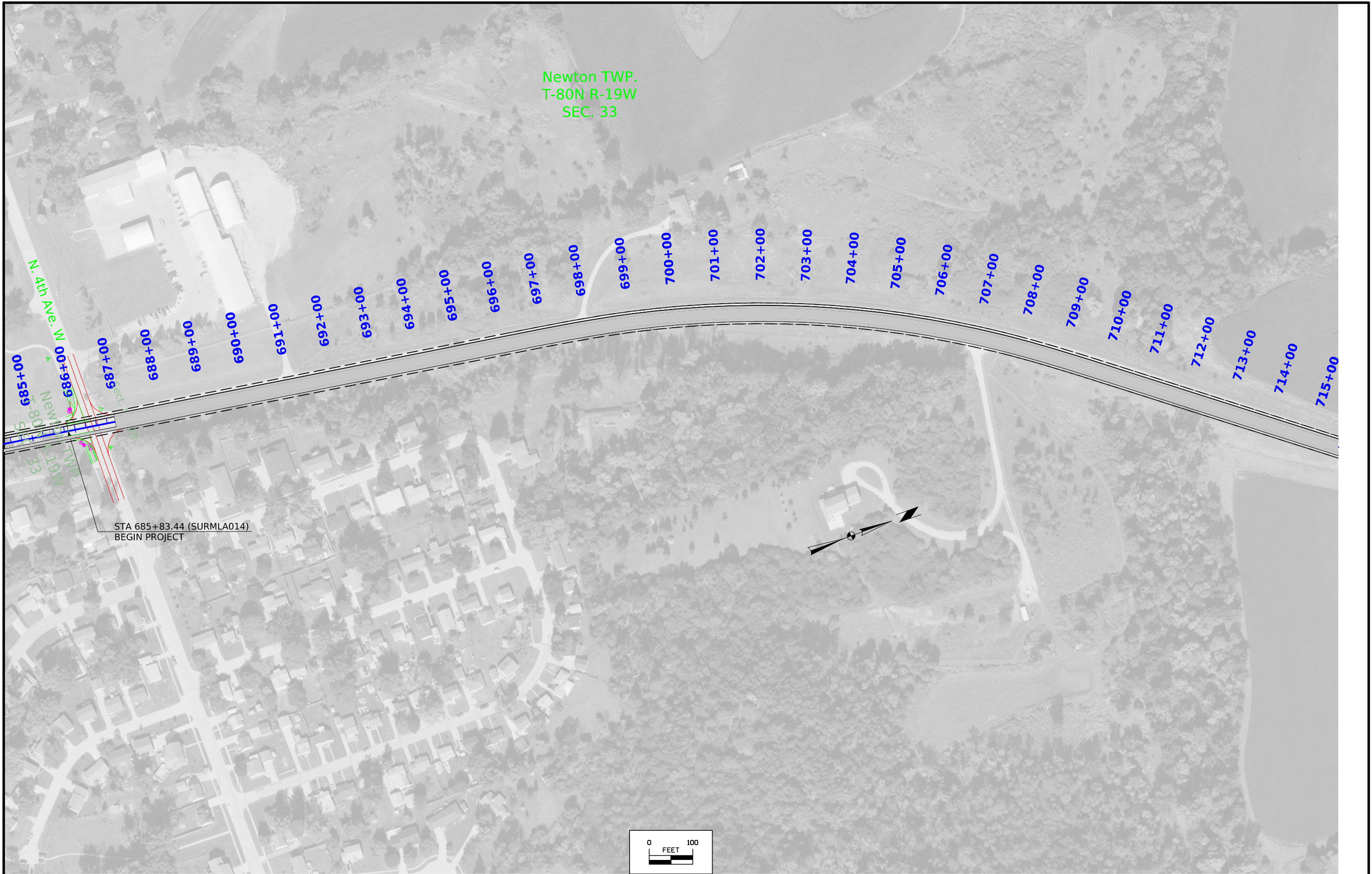
PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.		
Green	(10)		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

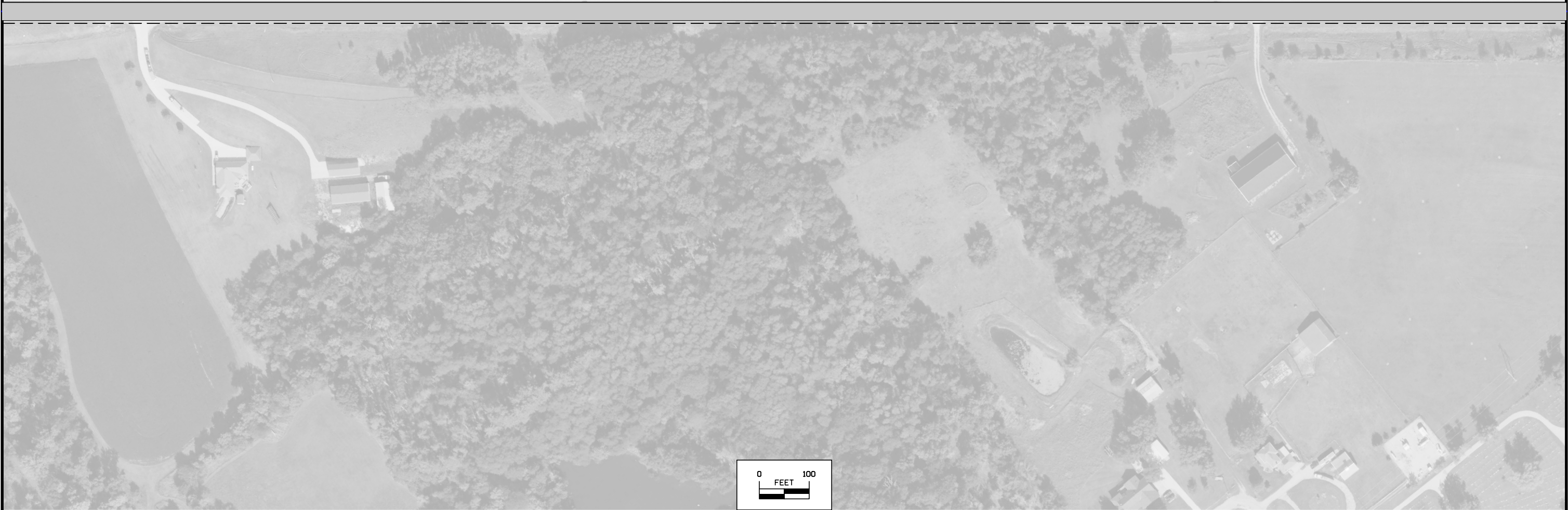
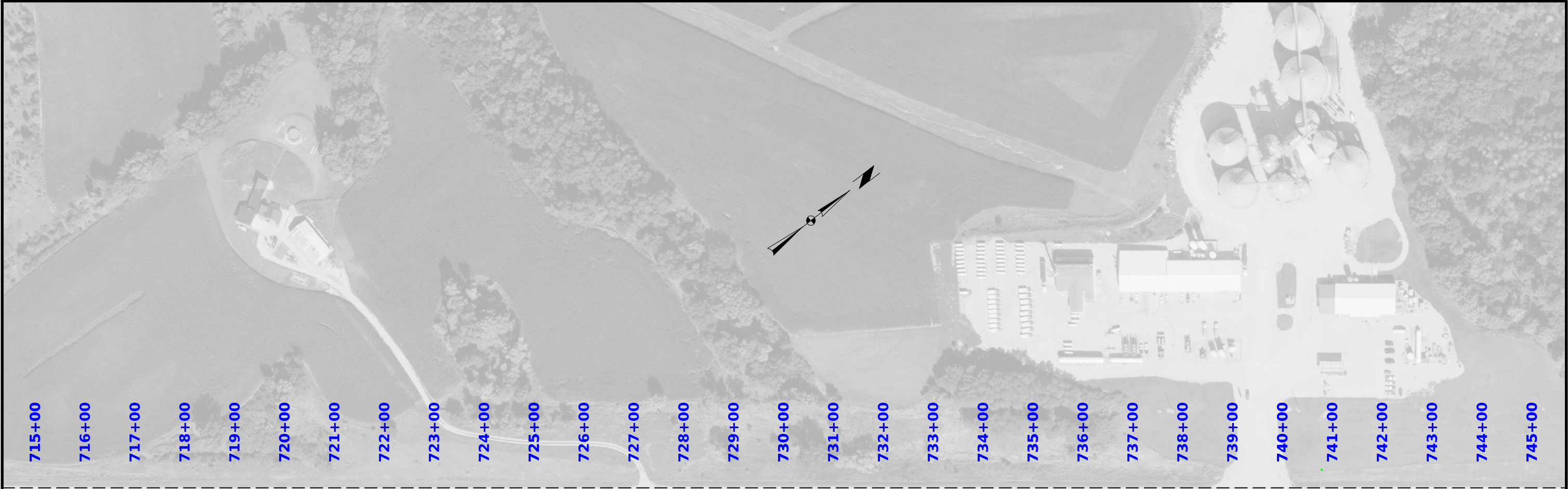
Reference Point		RIGHT-OF-WAY LEGEND	
	Station		Proposed Right-of-Way Symbol
	Section Corner		Proposed Right-of-Way Line
	Ground Line Intercept		Existing Right of Way
	Saw Cut		Existing and Proposed Right-of-Way
	Guardrail		Easement and Existing Right-of-Way
	Trench Drain		Easement (Temporary) Symbol
	HighTension Cable Guardrail		Easement (Temporary) Line
	Sheet Pile		Easement
	Pavement Removal		C/A Access Control
	Clearing & Grubbing Area		Property Line Symbol
			Property Line

PLAN AND PROFILE
LEGEND AND SYMBOL
INFORMATION SHEET

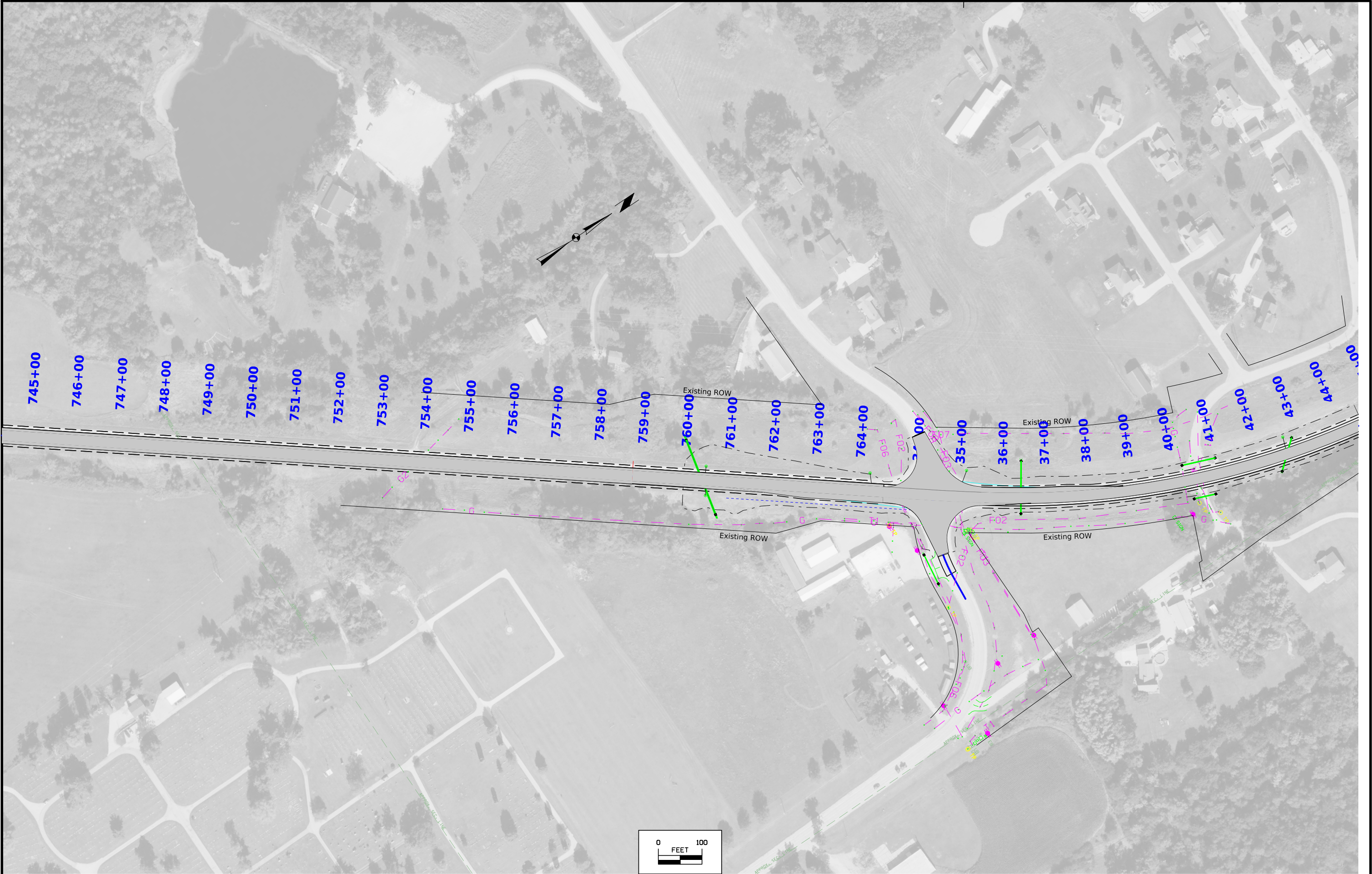
(COVERS SHEET SERIES D, E, F, & K)



FILE NO.	ENGLISH	DESIGN TEAM Vortherms/Adey/Ringgenberg	JASPER COUNTY	PROJECT NUMBER NHSX-014-4(073)--3H-50	SHEET NUMBER D.2
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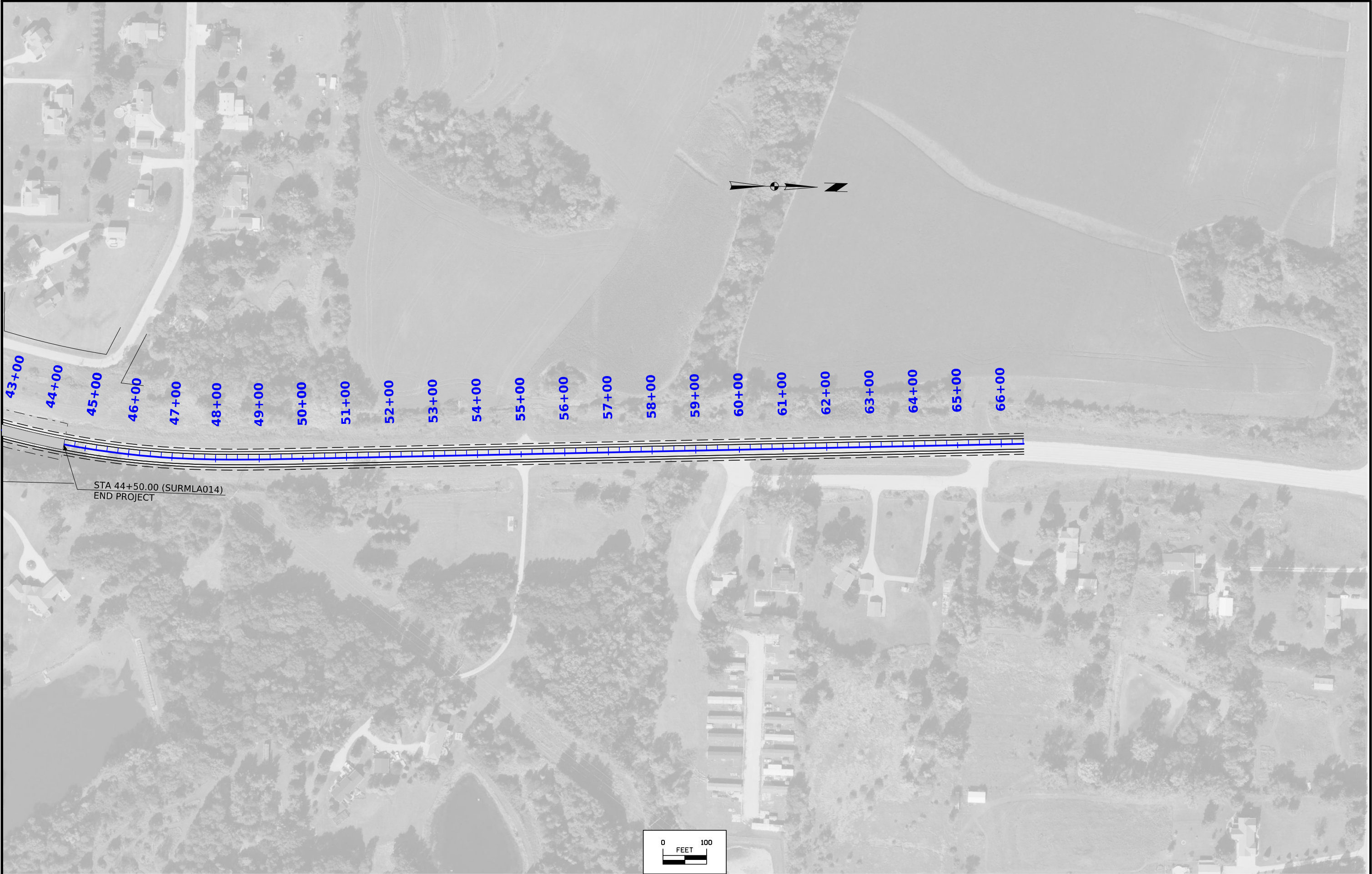


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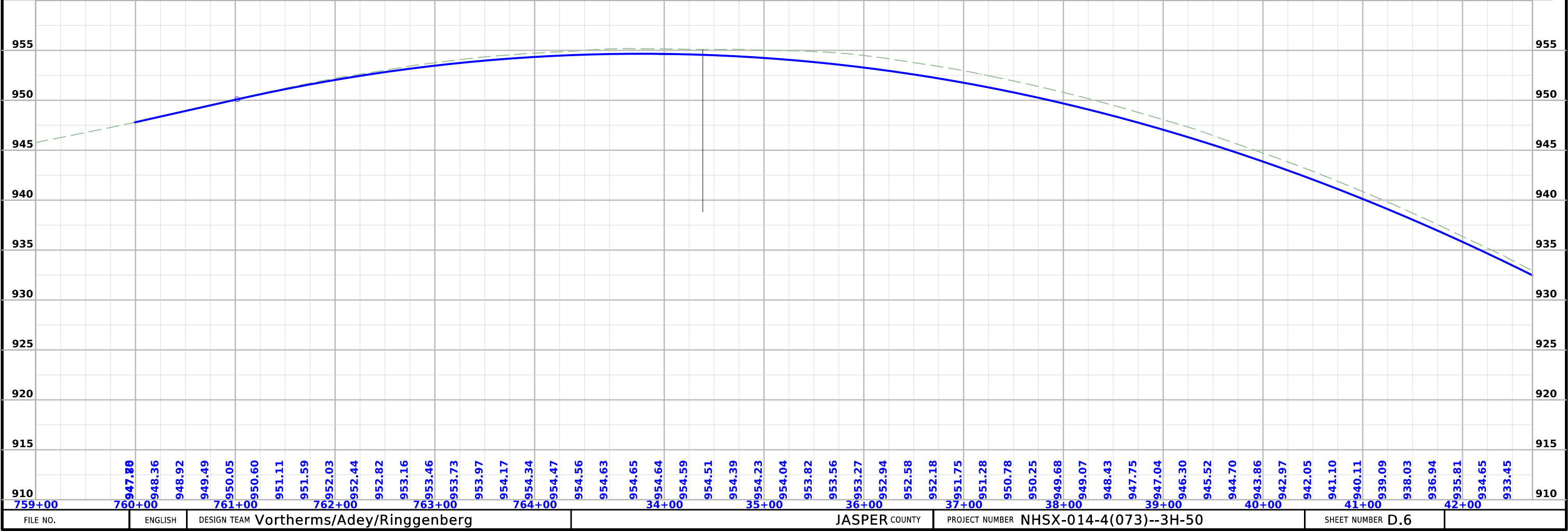
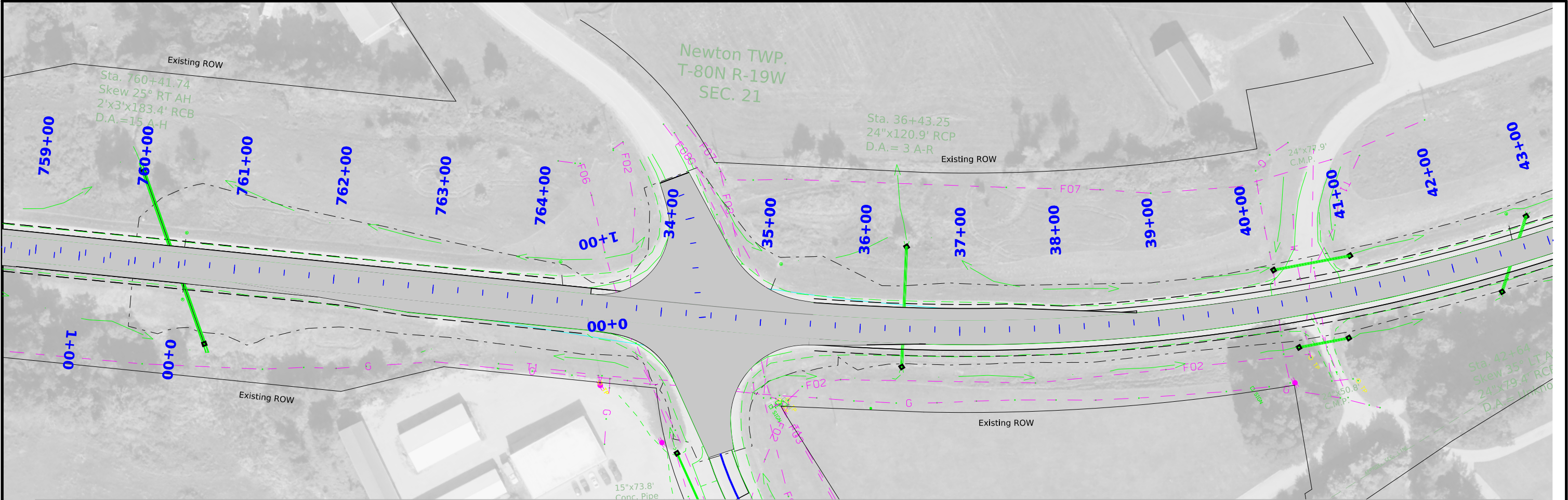


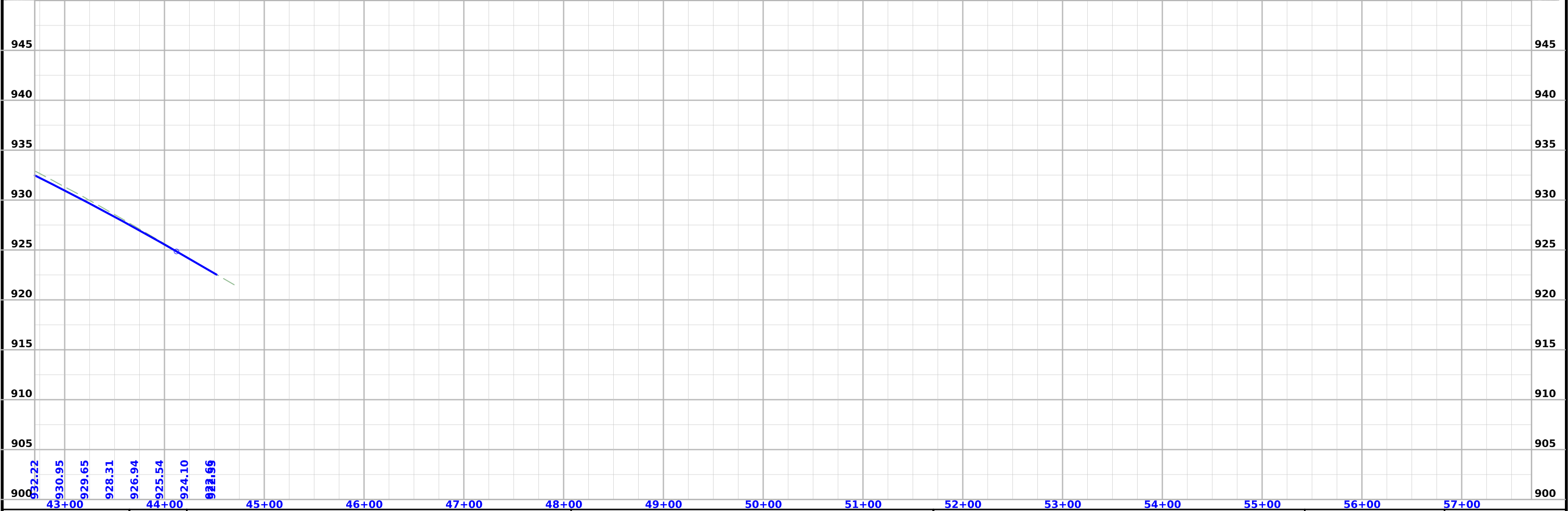
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9:27:08 AM 2/24/2025 rringge pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5001402024\DistrictDesign\CADD Files\PLN_500144073Z09.dgn



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FILE NO.	ENGLISH	DESIGN TEAM	Vortherms/Adey/Ringgenberg	JASPER COUNTY	PROJECT NUMBER	NHSX-014-4(073)--3H-50	SHEET NUMBER	D.6
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108-23A
08-01-08

TRAFFIC CONTROL PLAN

IA 14 shall be closed to traffic and traffic will be detoured.
Refer to Sheet J.2 for detour route.

111-01
04-17-12

COORDINATED OPERATIONS

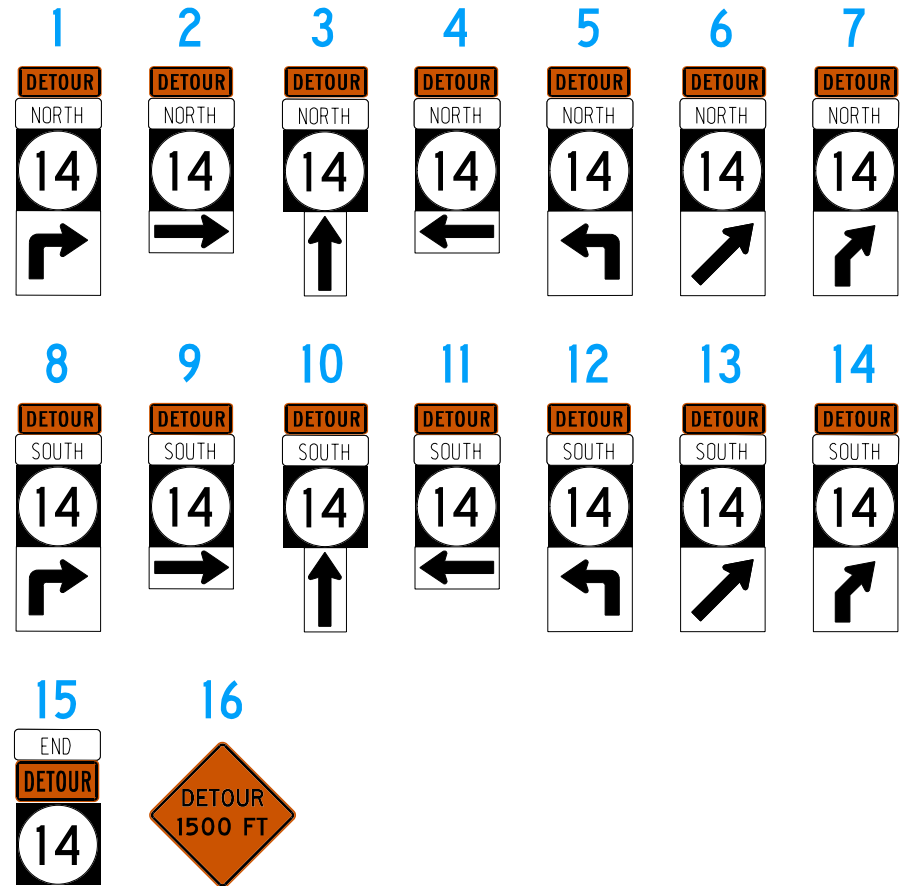
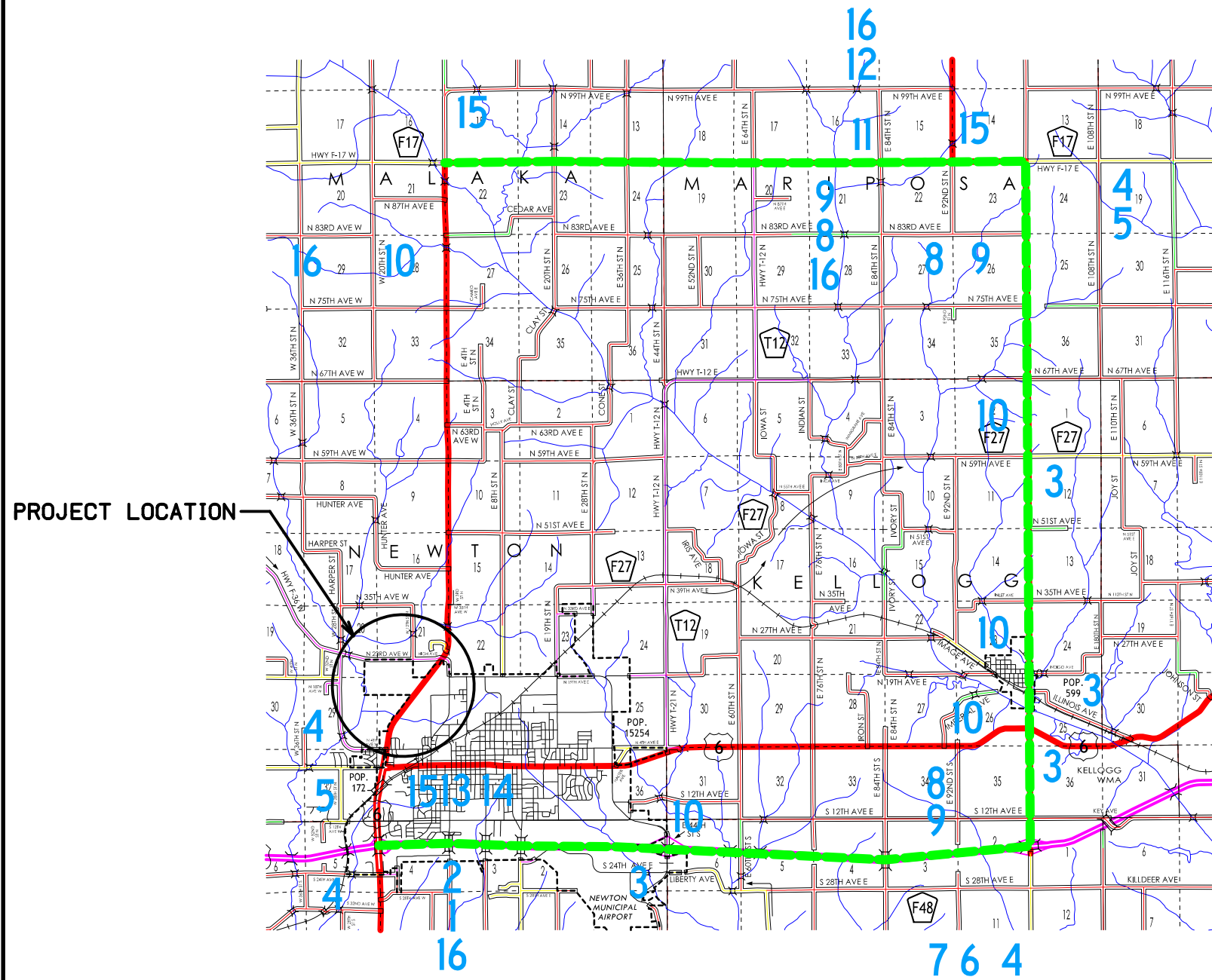
Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
Provided at turn-in	

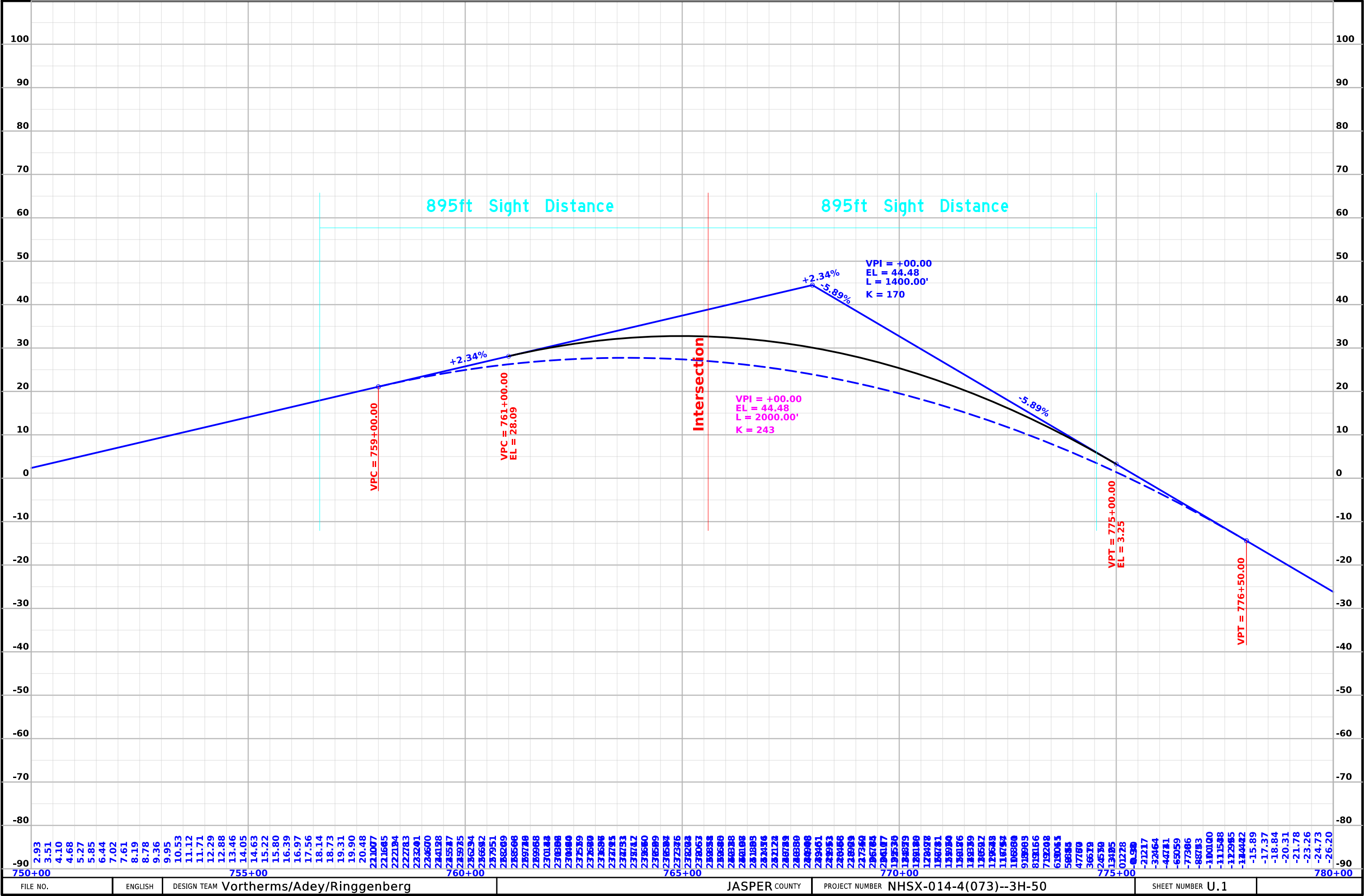
108-25
10-21-14

511 TRAVEL RESTRICTIONS

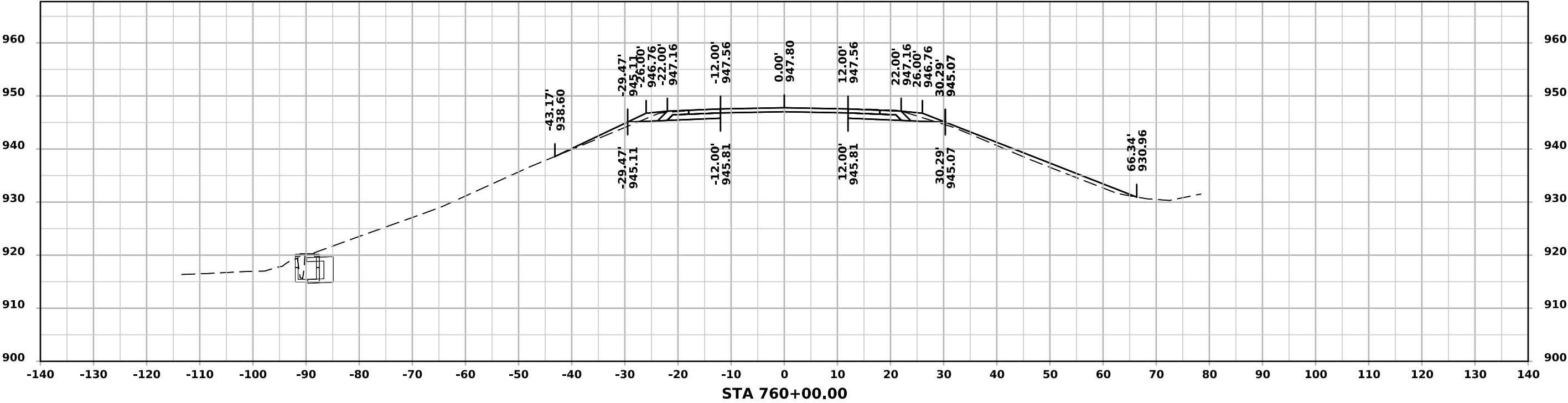
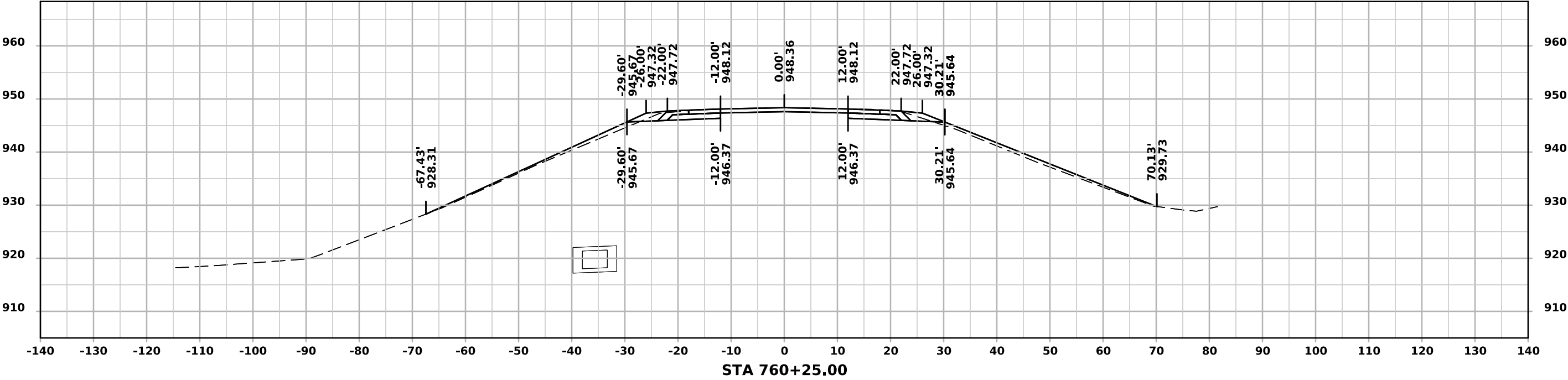
Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
IA 14	NB/SB	Jasper	Closed Road	Detoured route	Traffic Control Device		Horizontal					



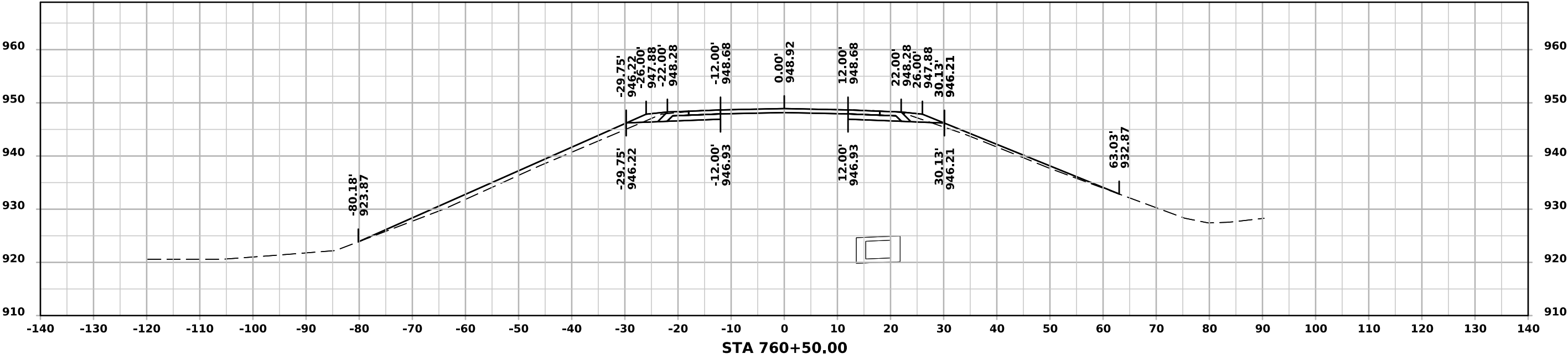
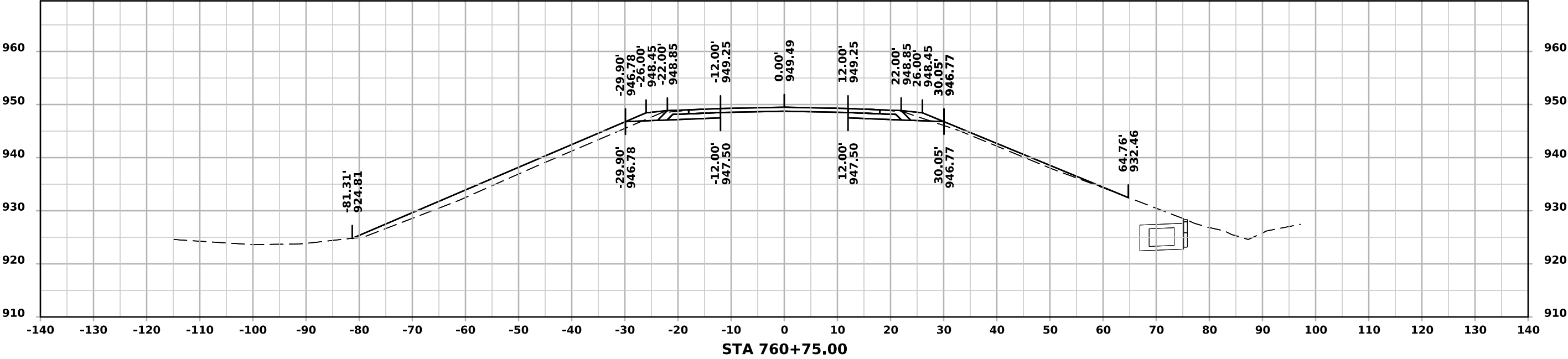
----- Detour Route



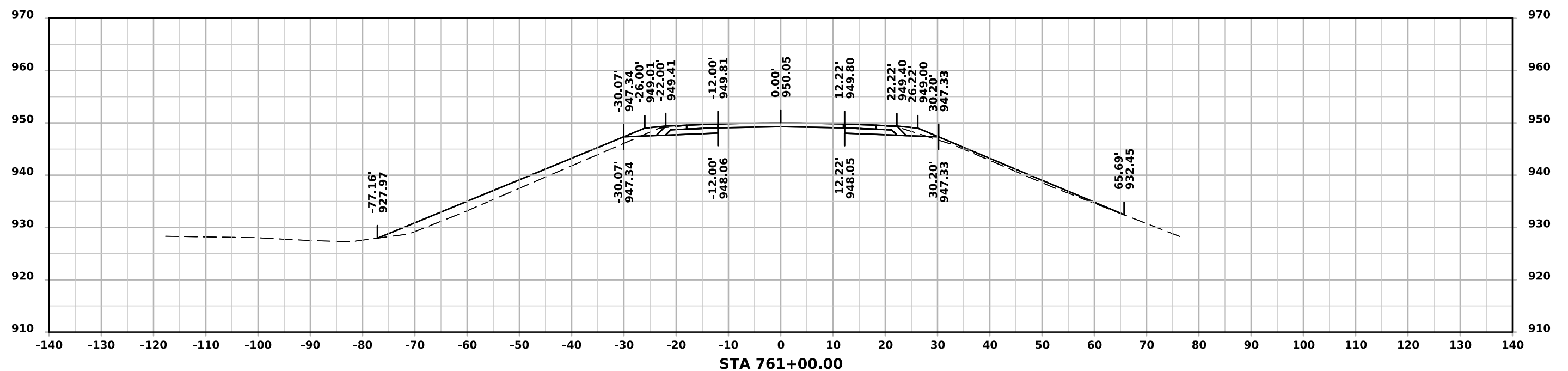
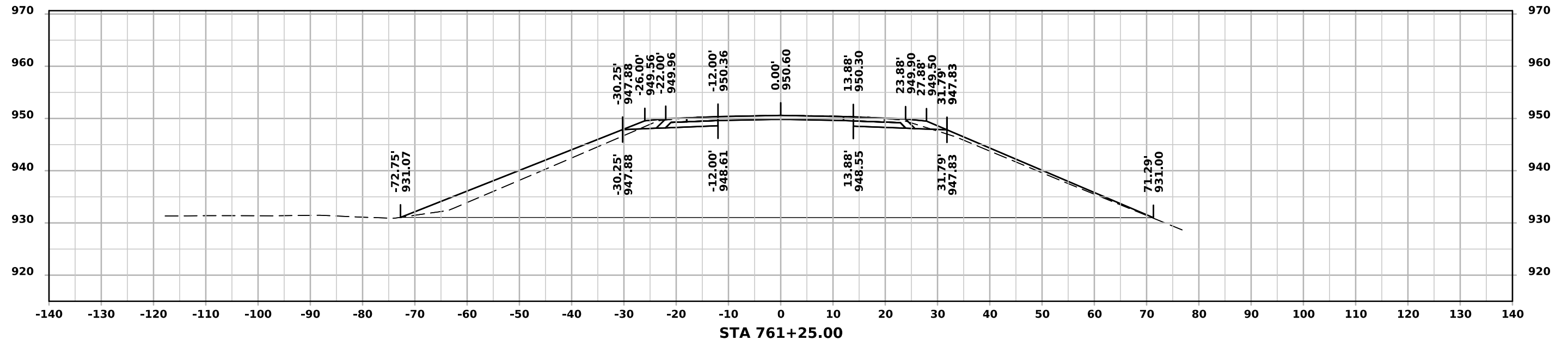
ML - IA 14

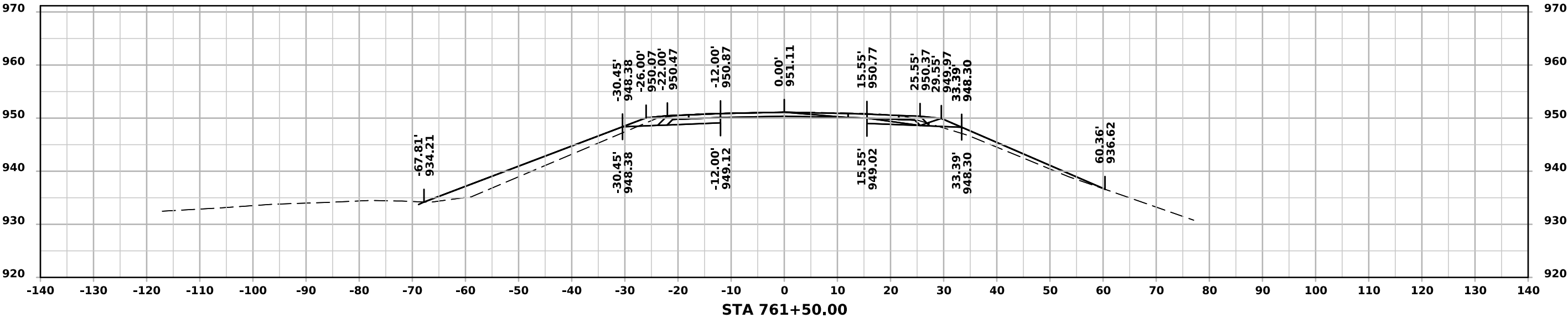
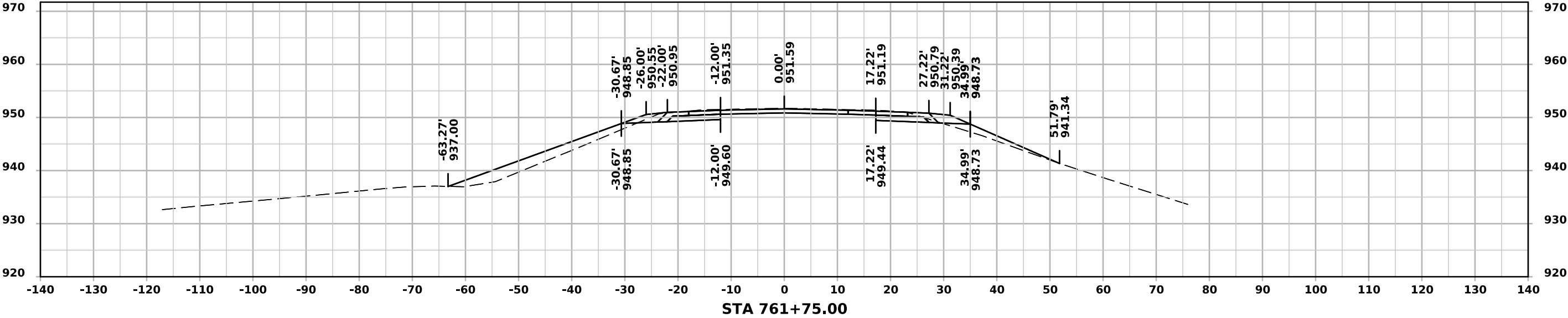


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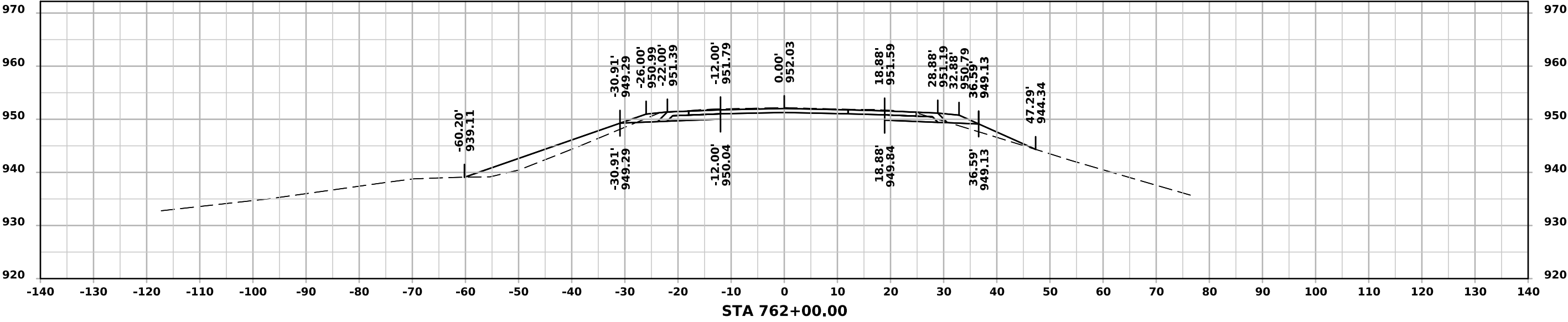
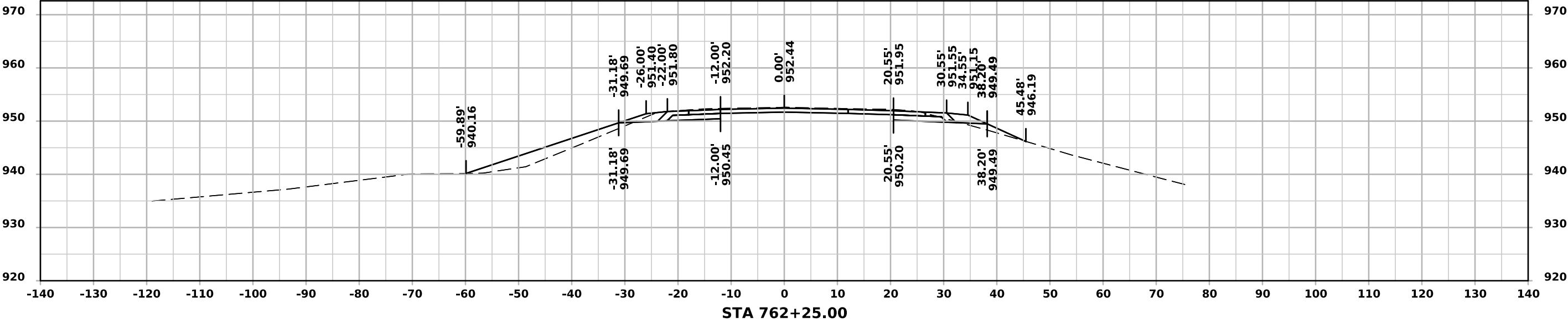


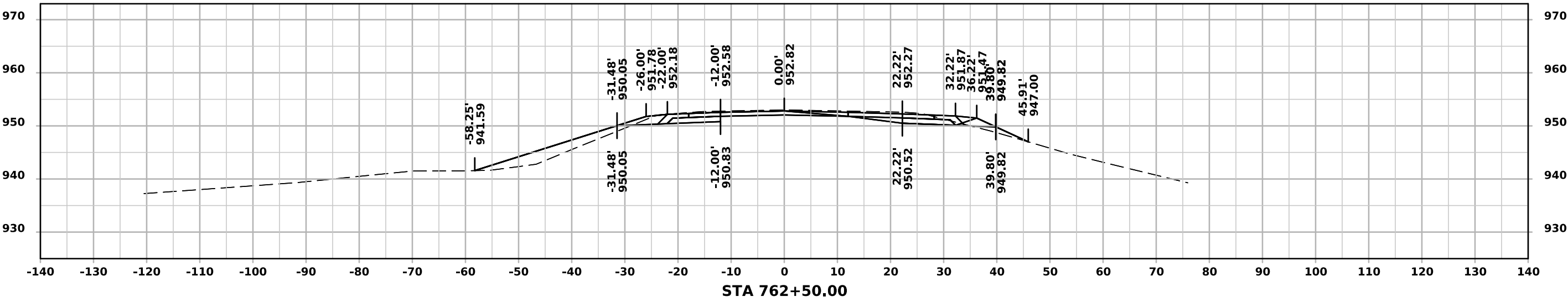
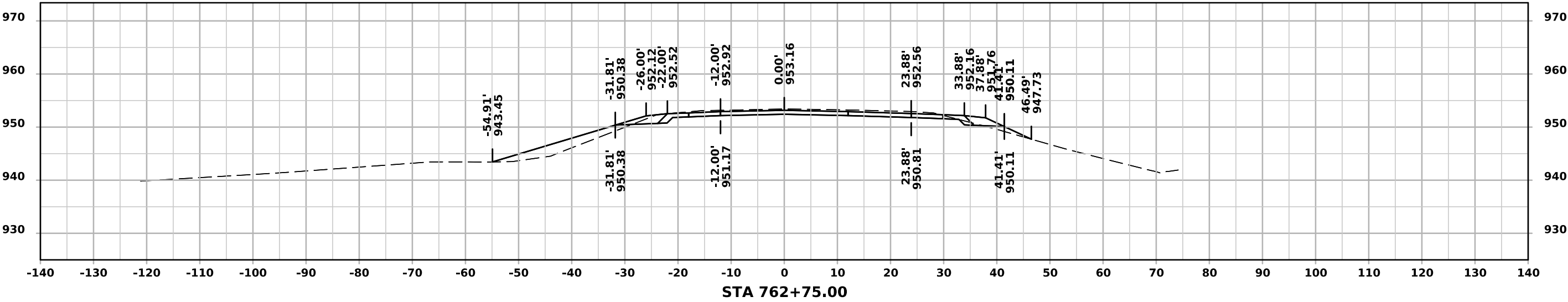
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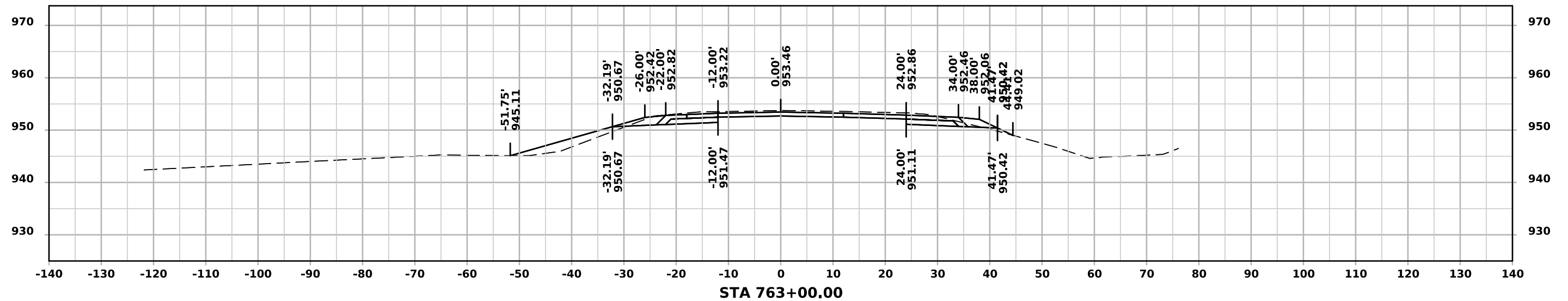
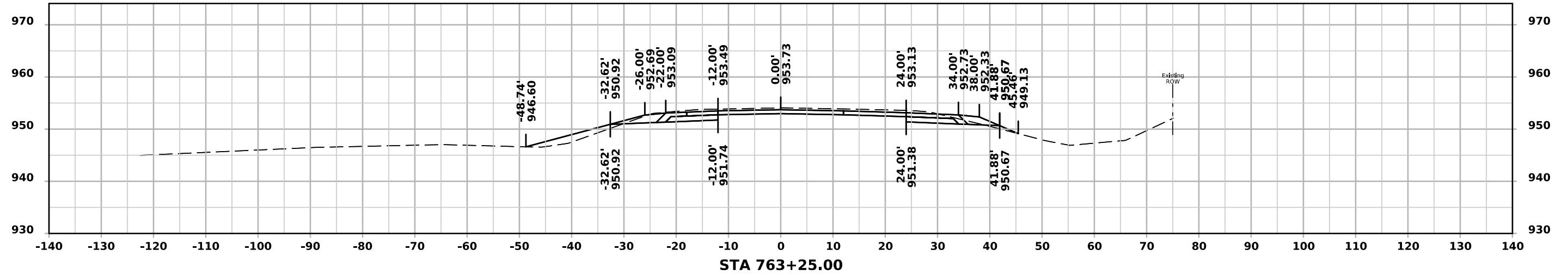
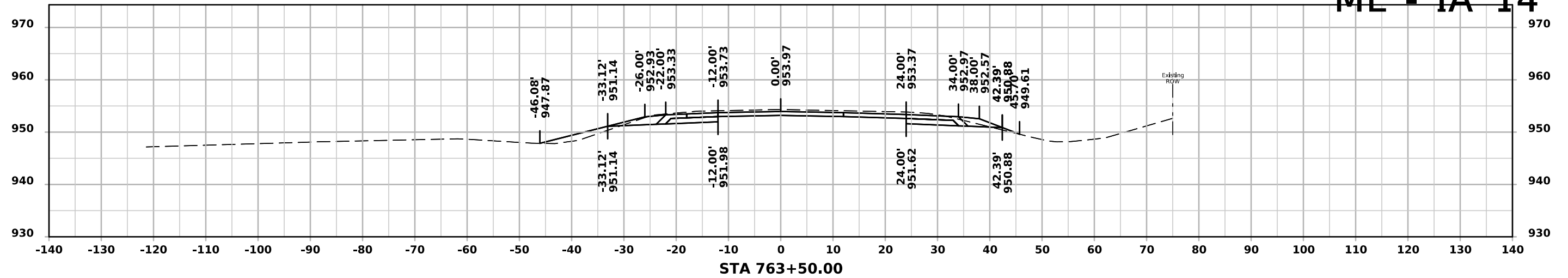


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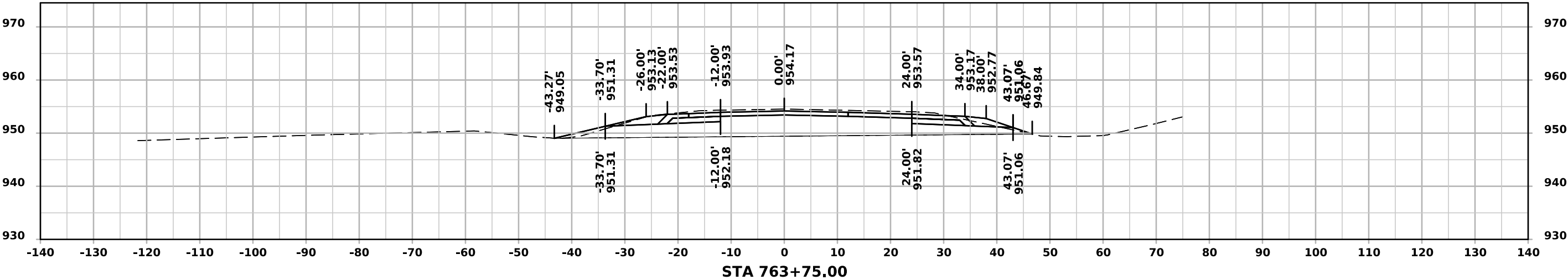
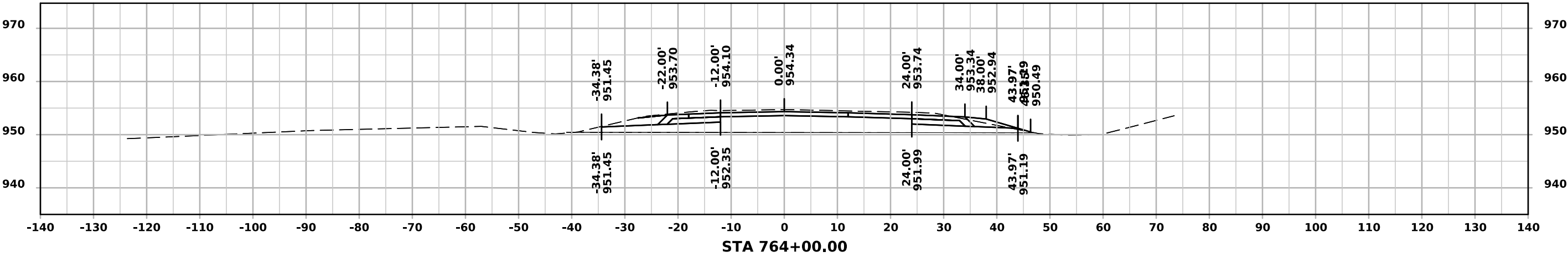
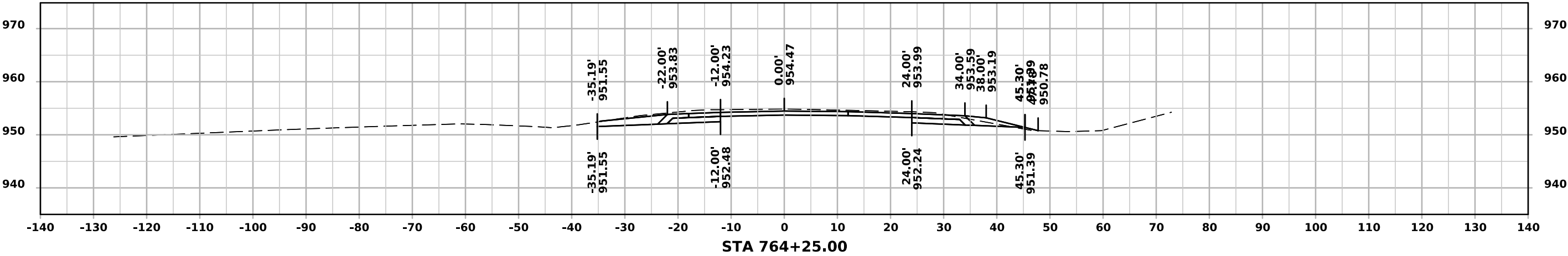




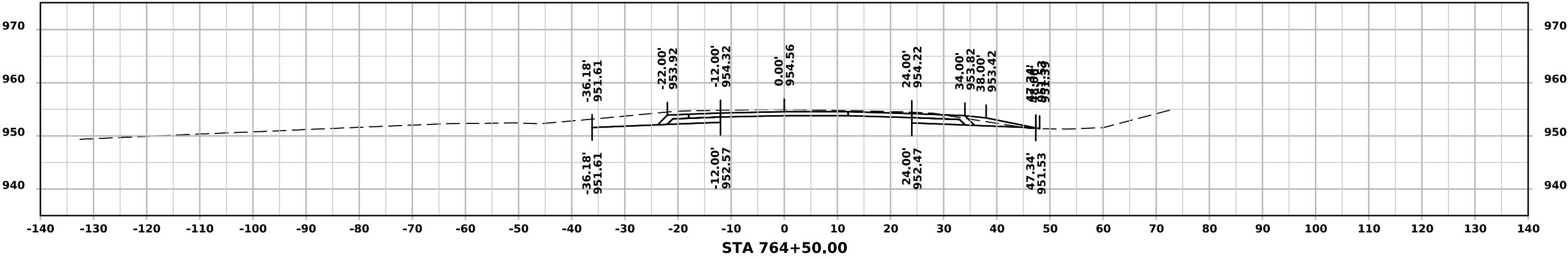
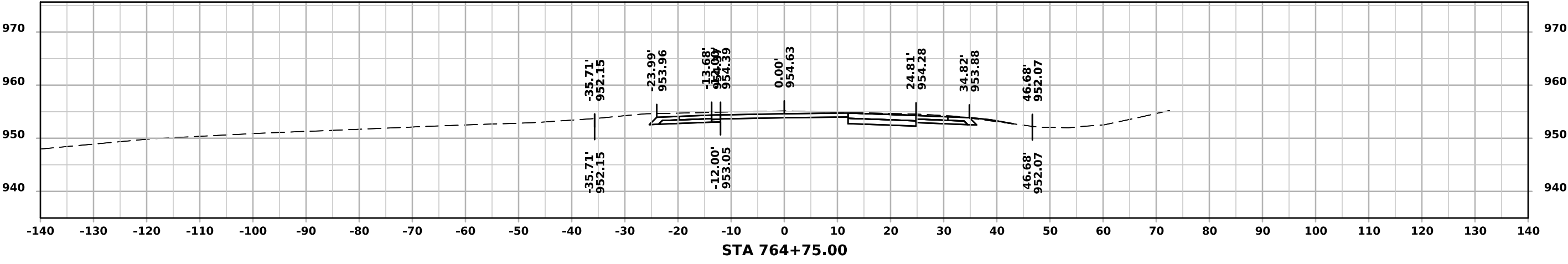
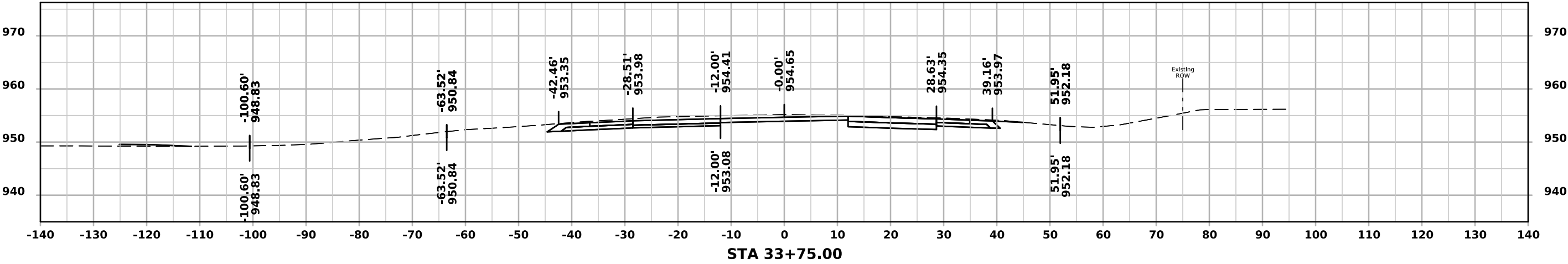
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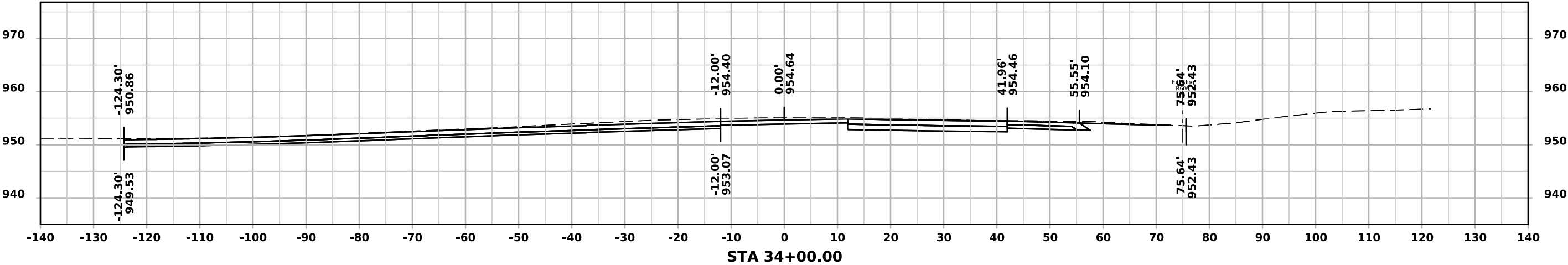
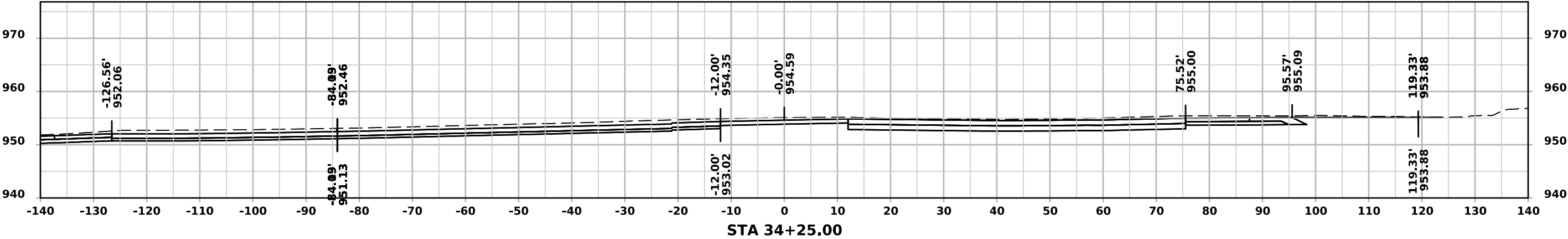
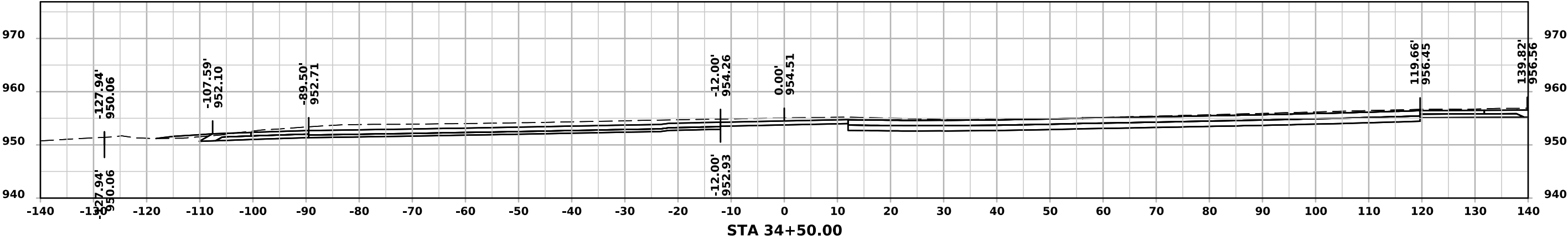
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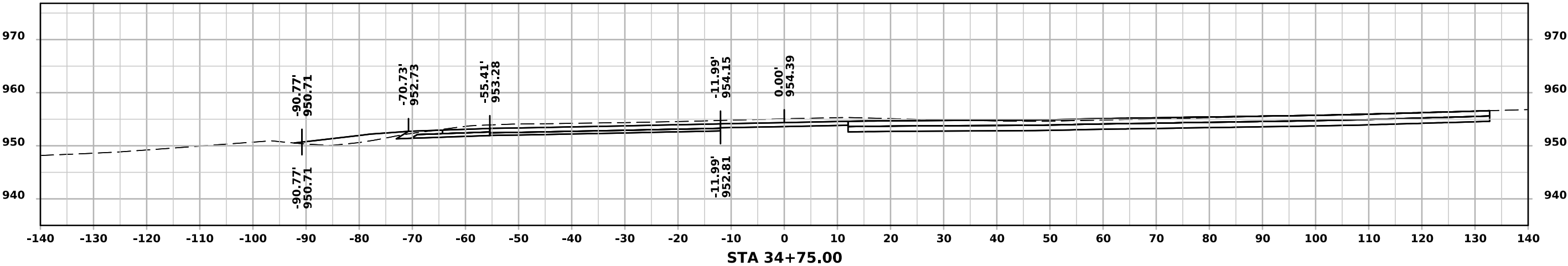
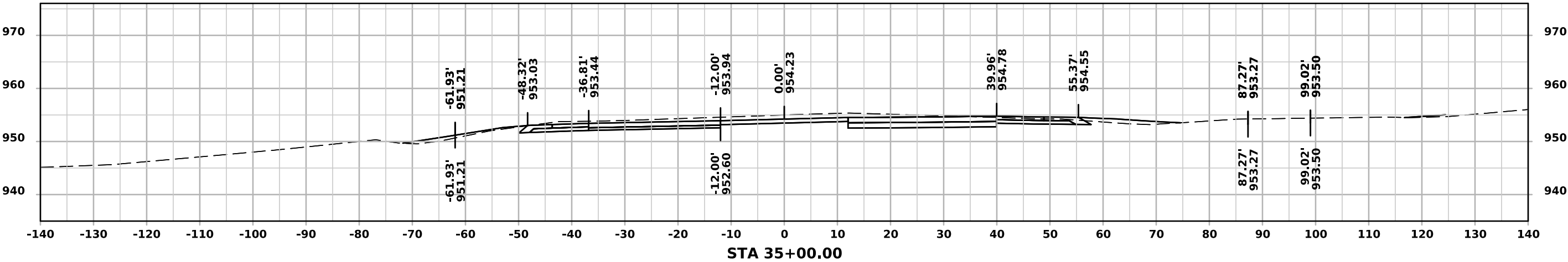
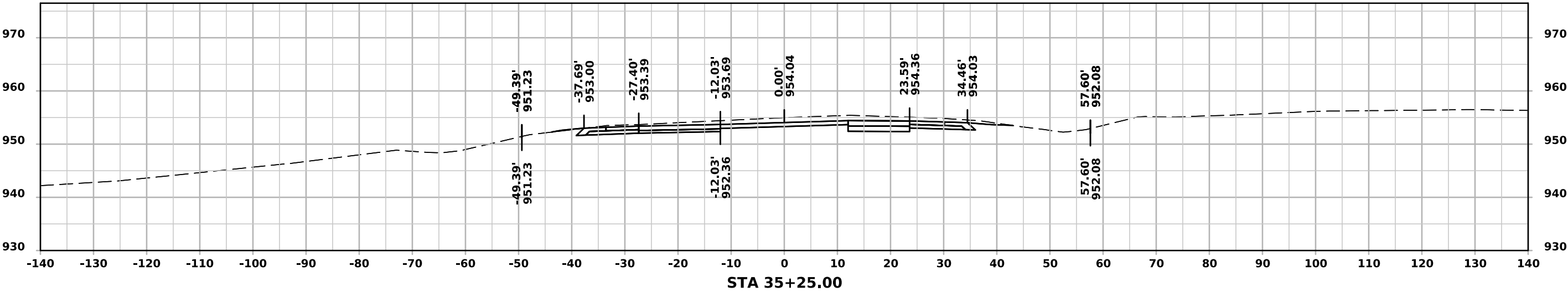
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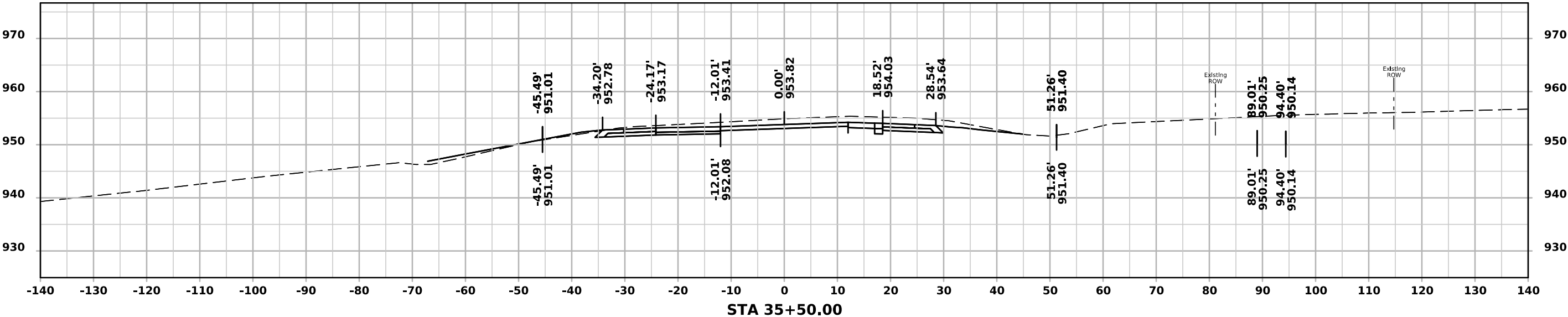
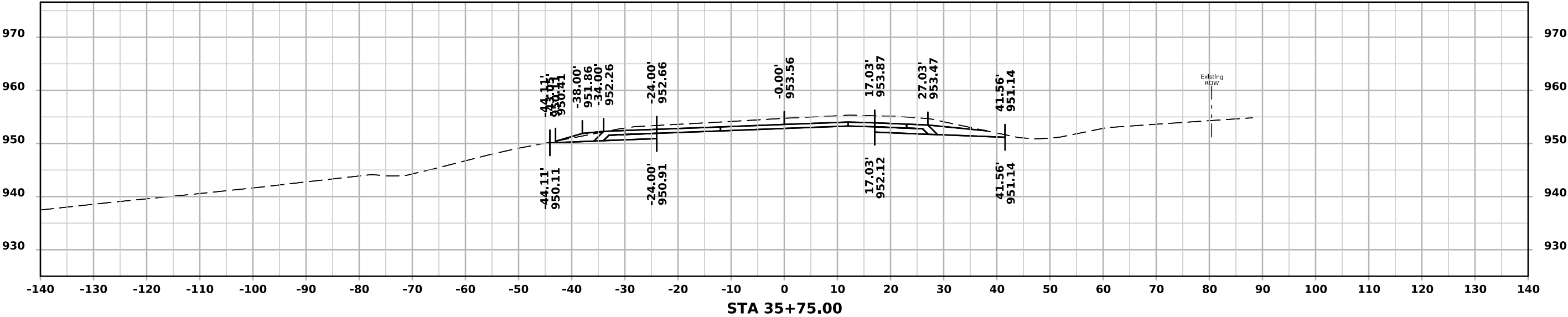


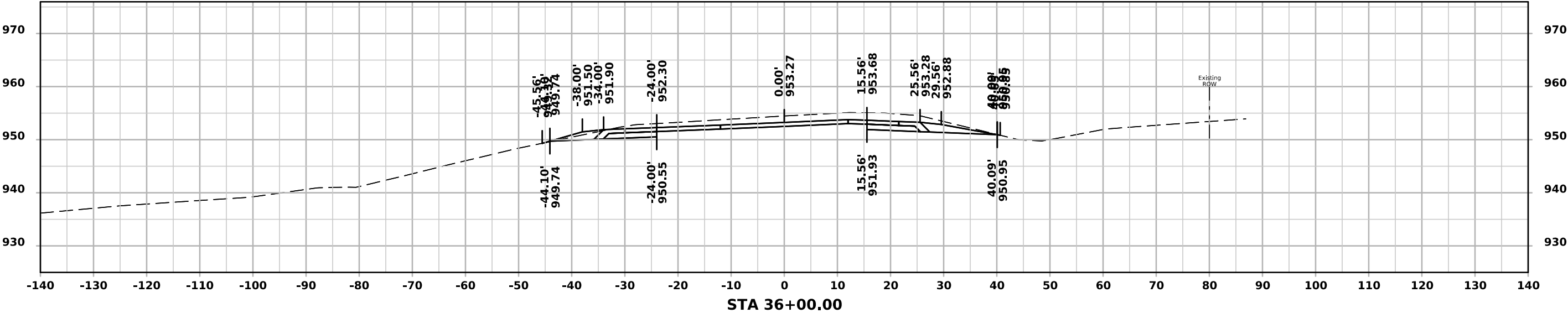
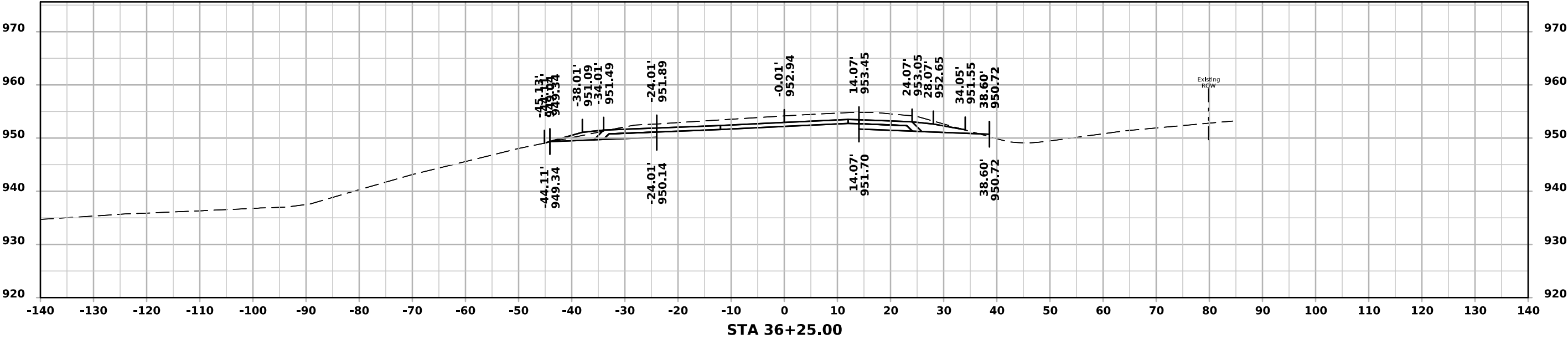
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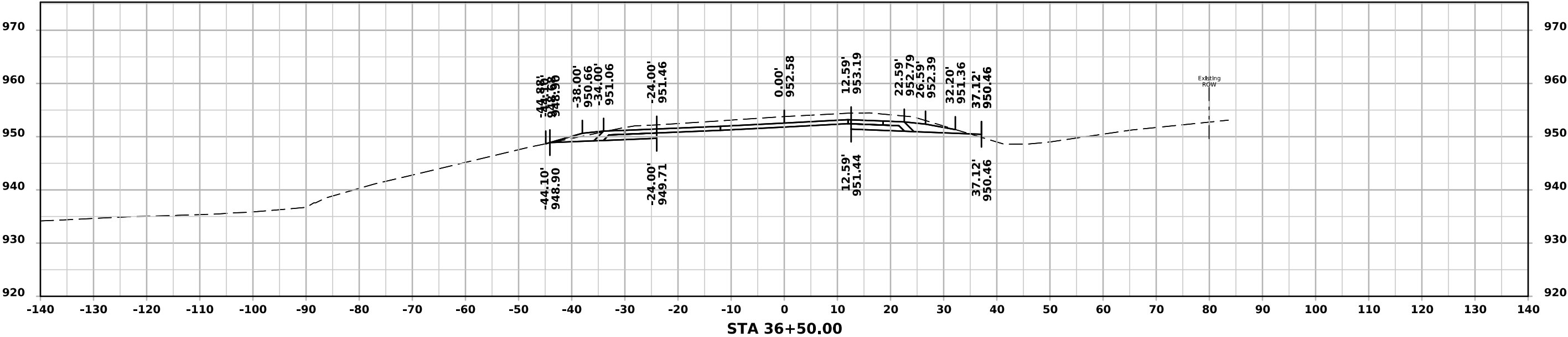
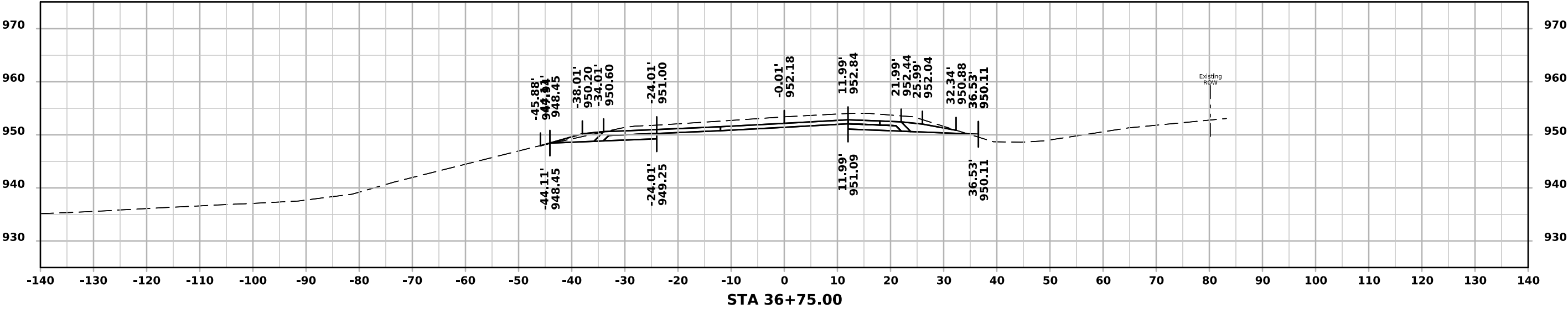
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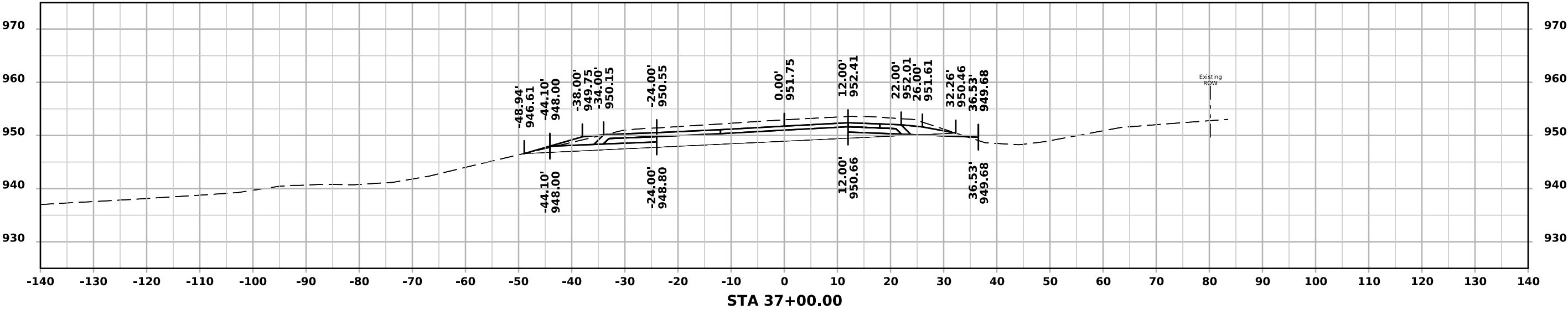
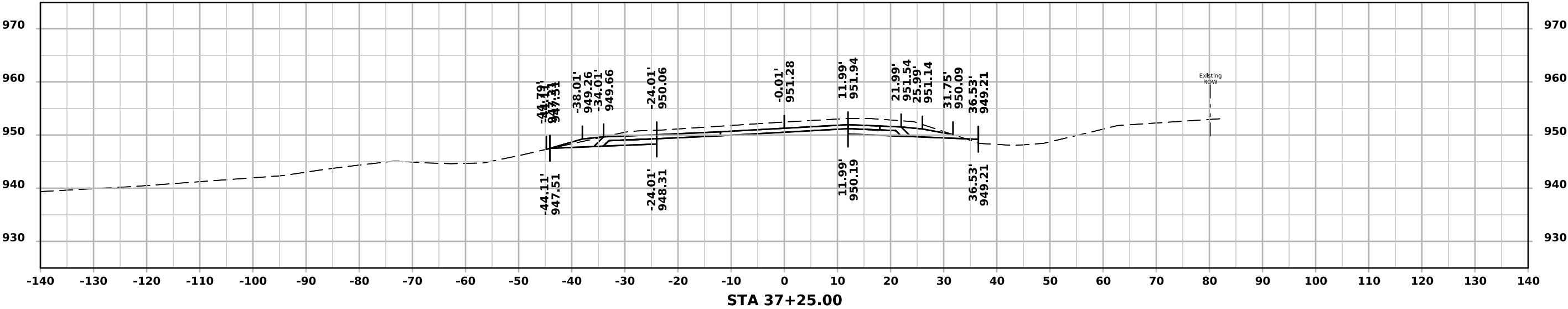




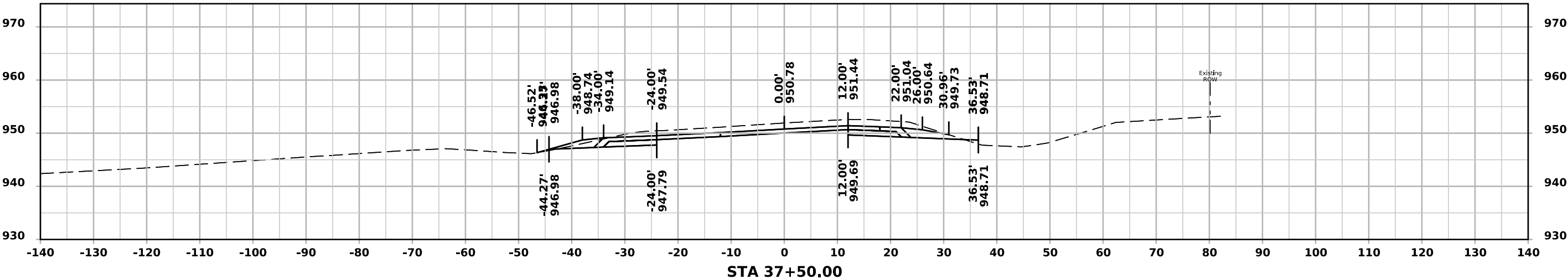
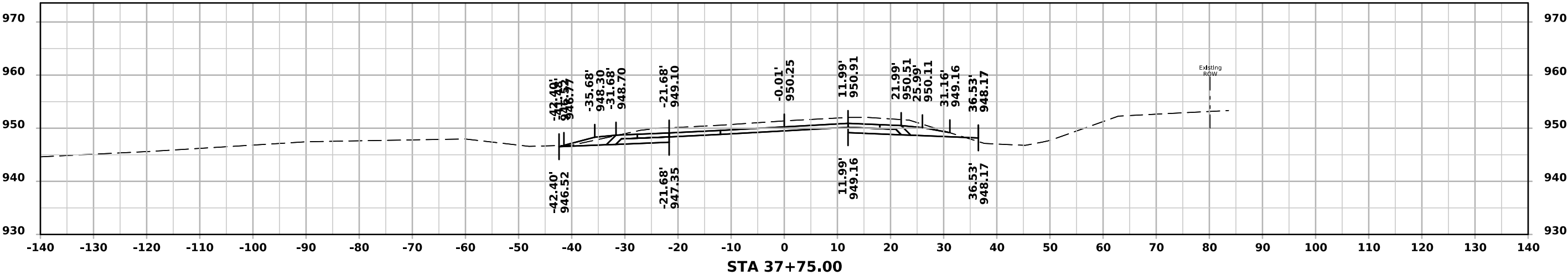
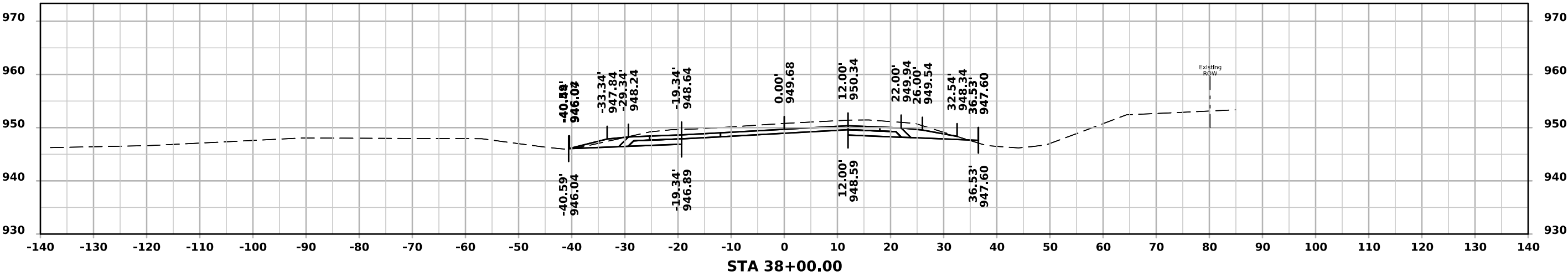
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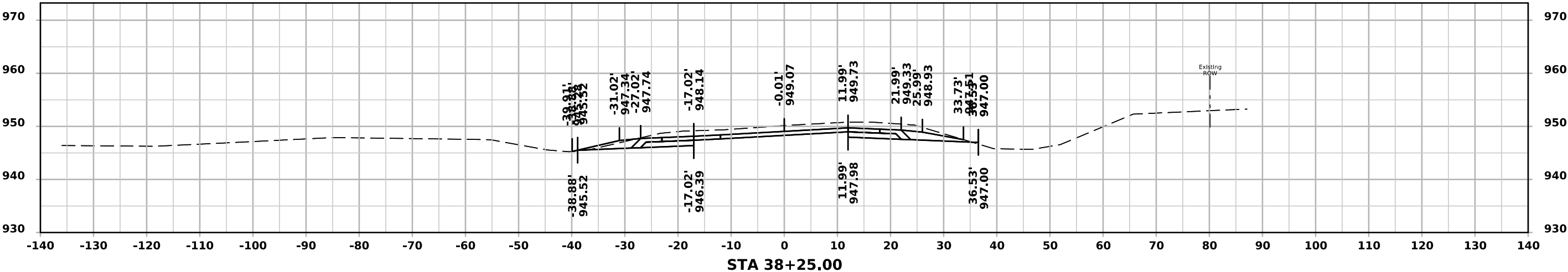
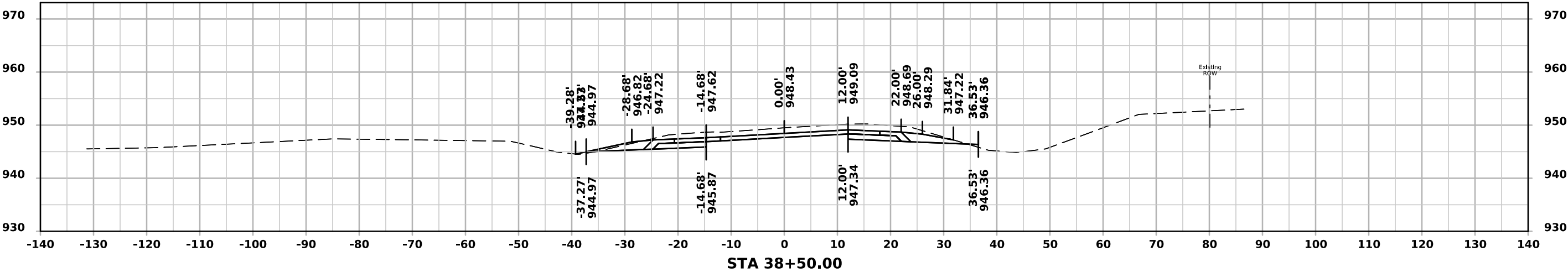
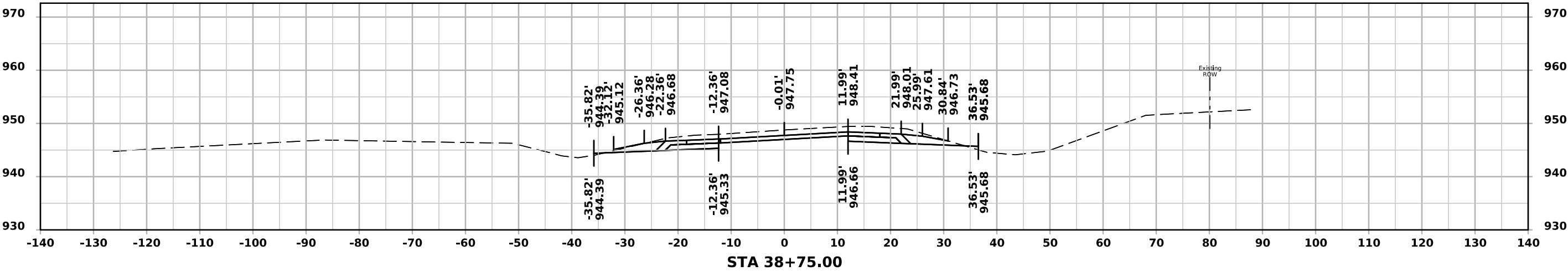
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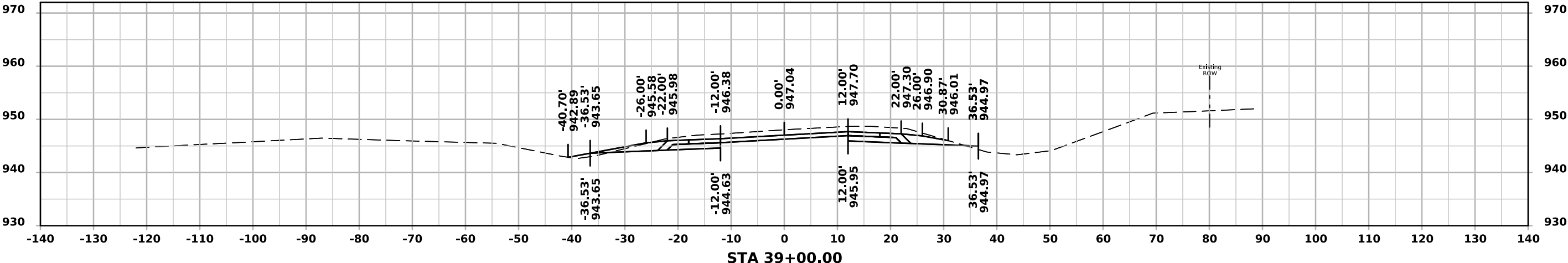
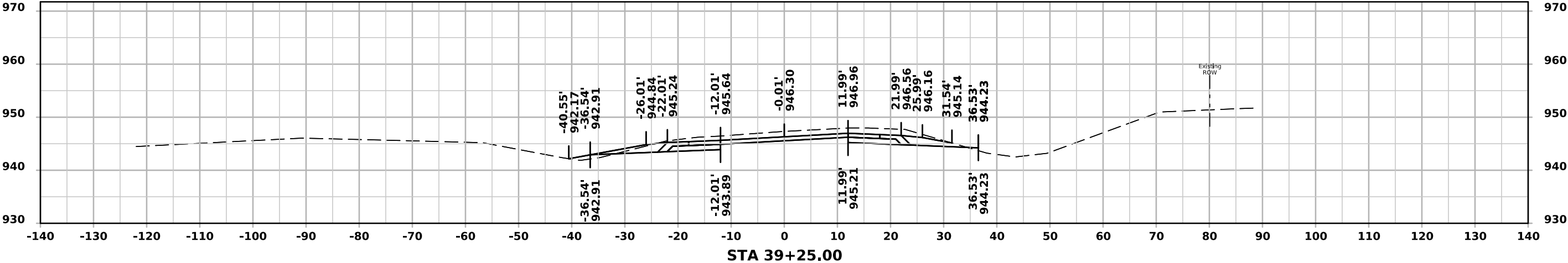
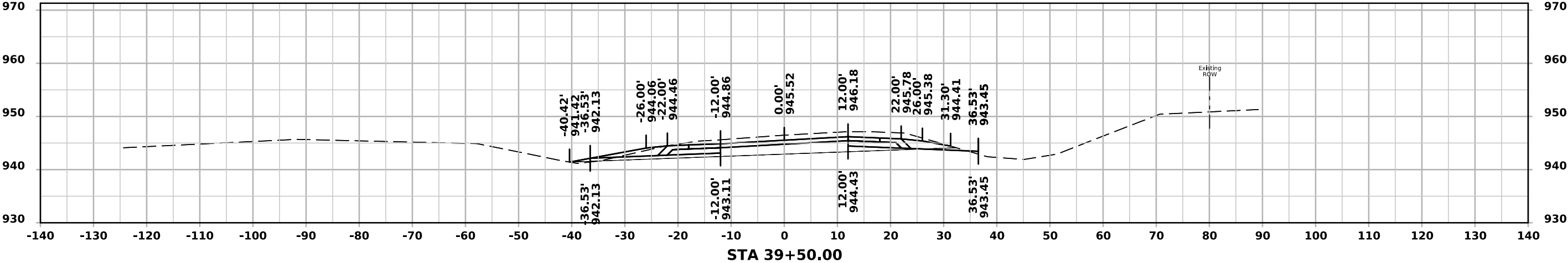
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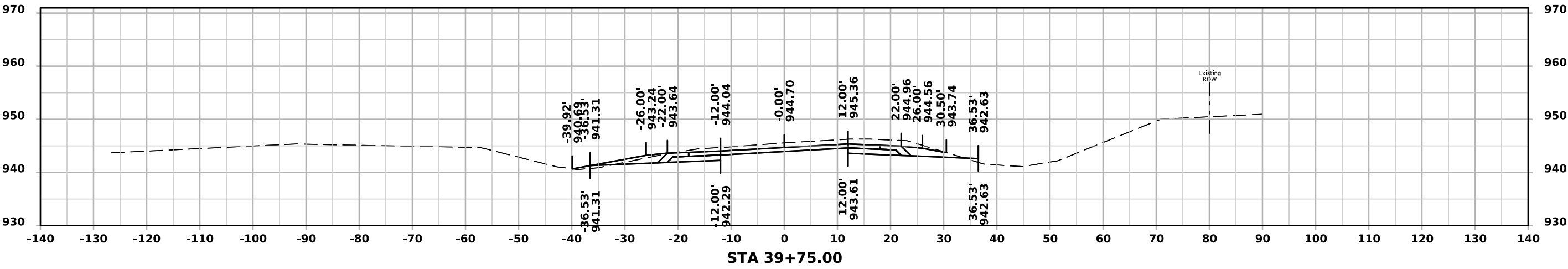
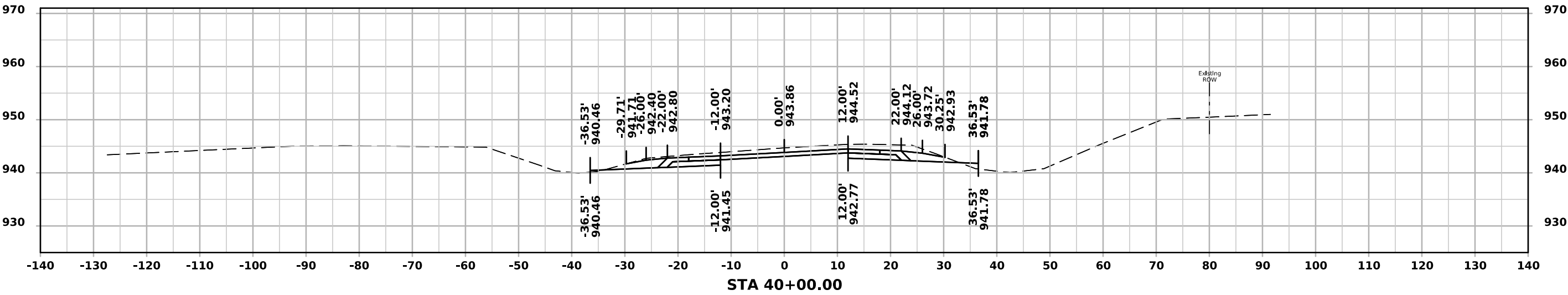
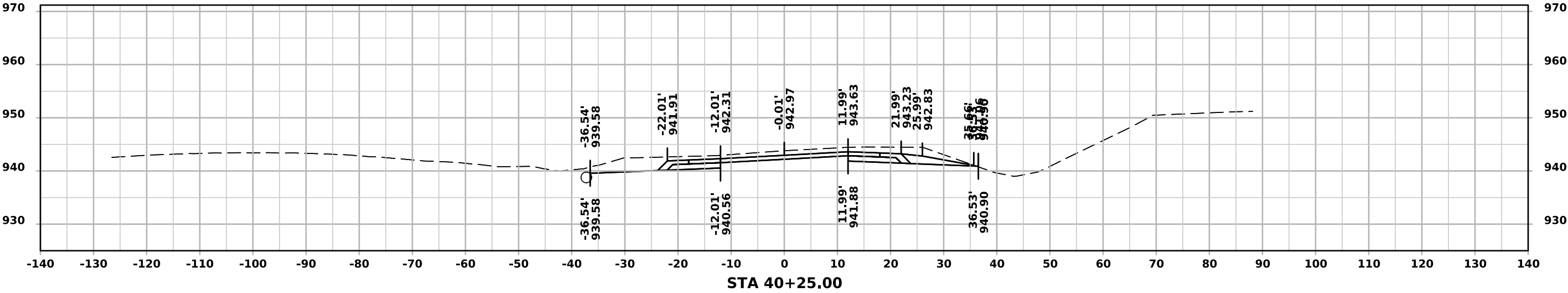
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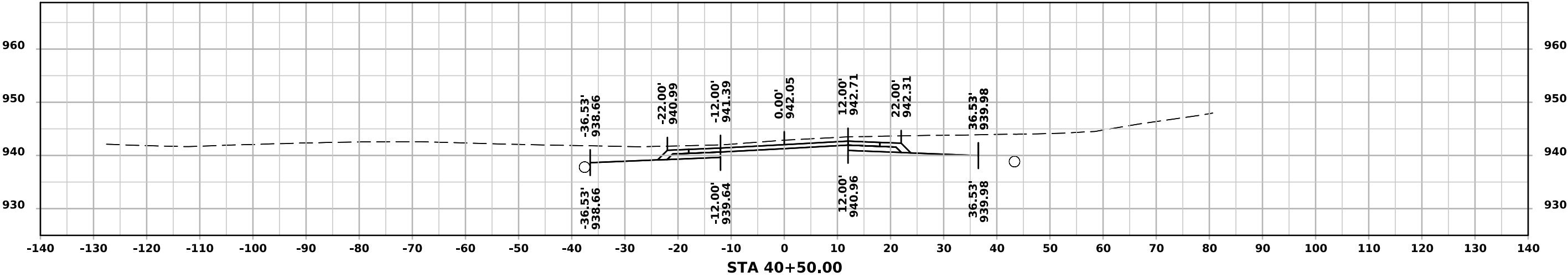
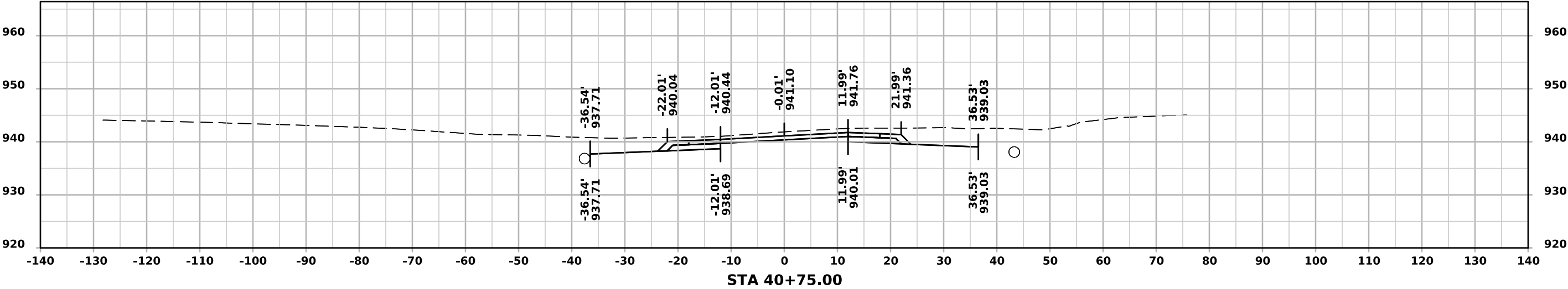
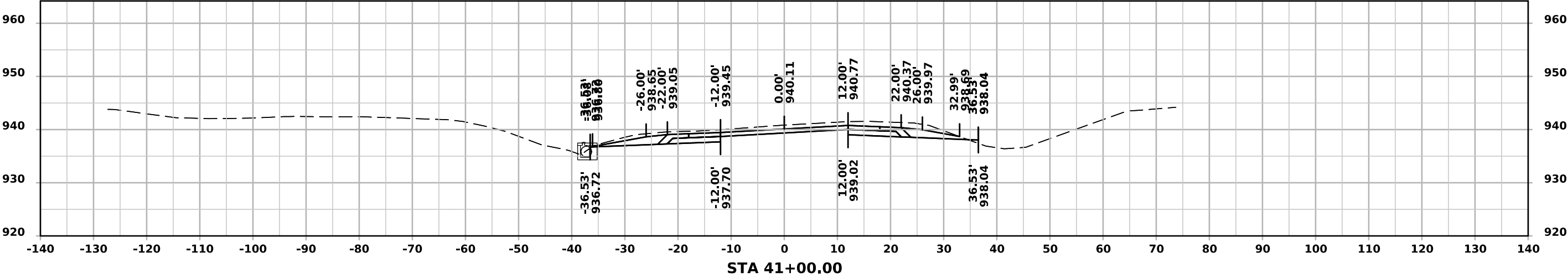
ML - IA 14



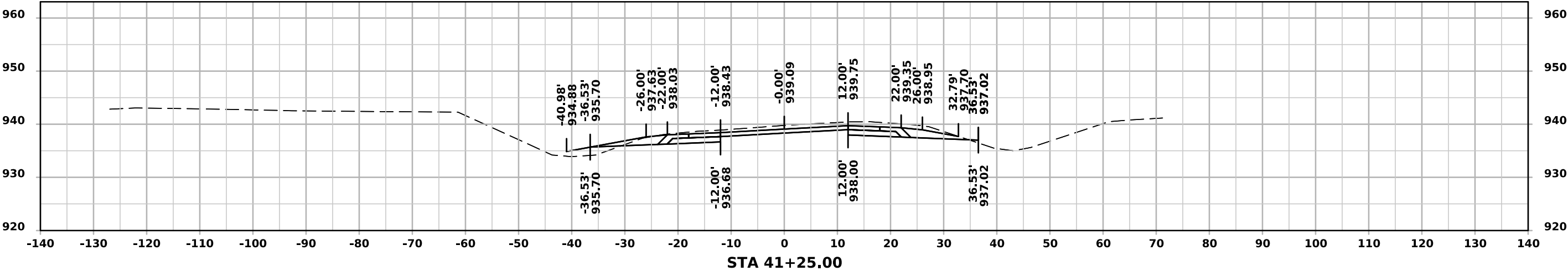
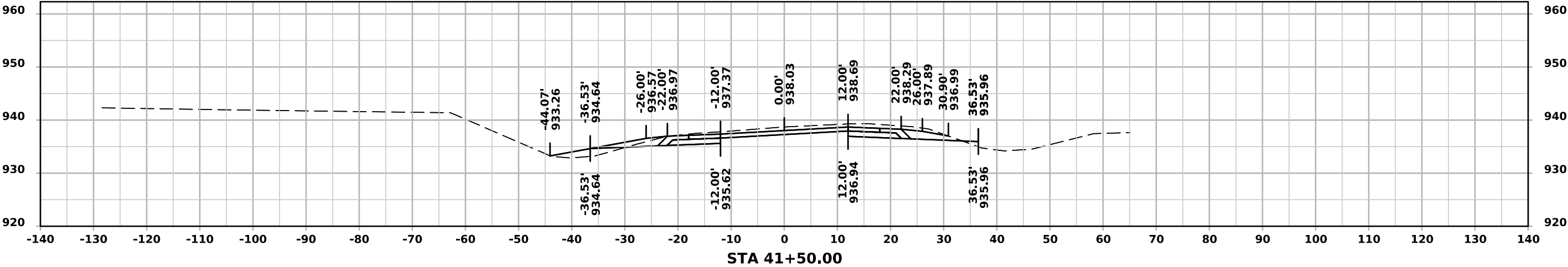
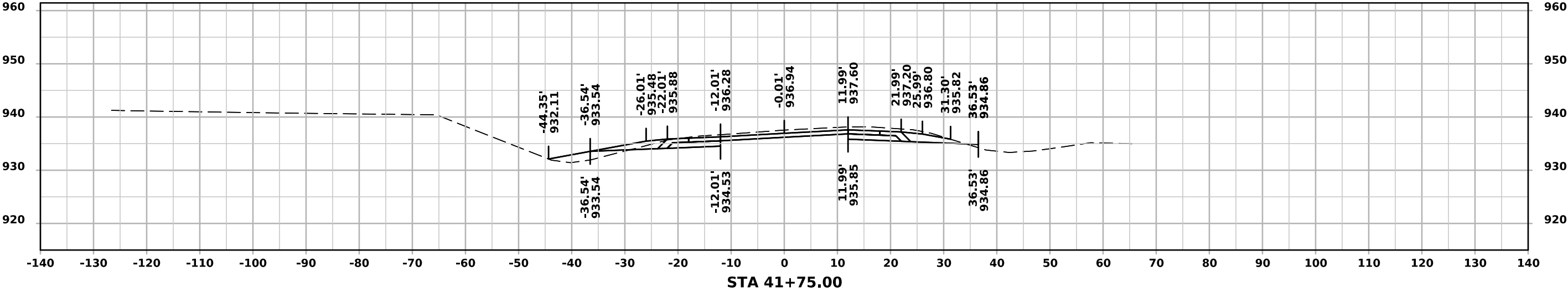
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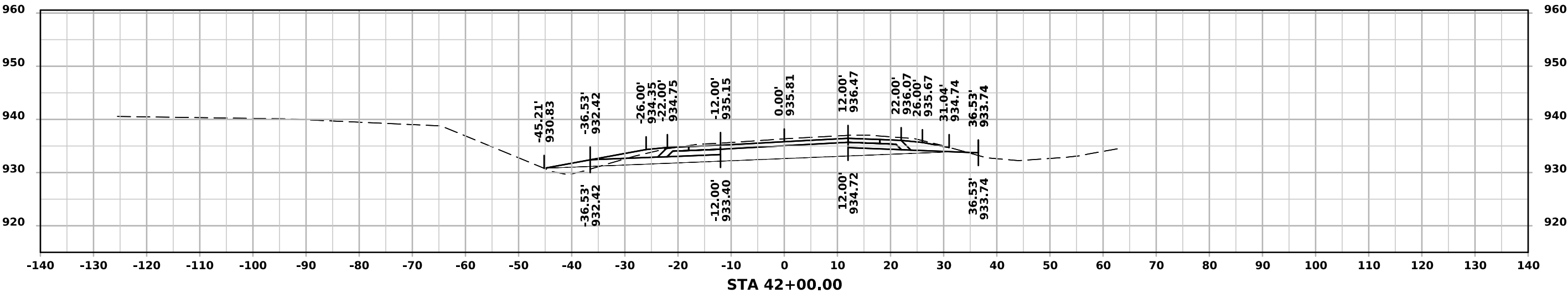
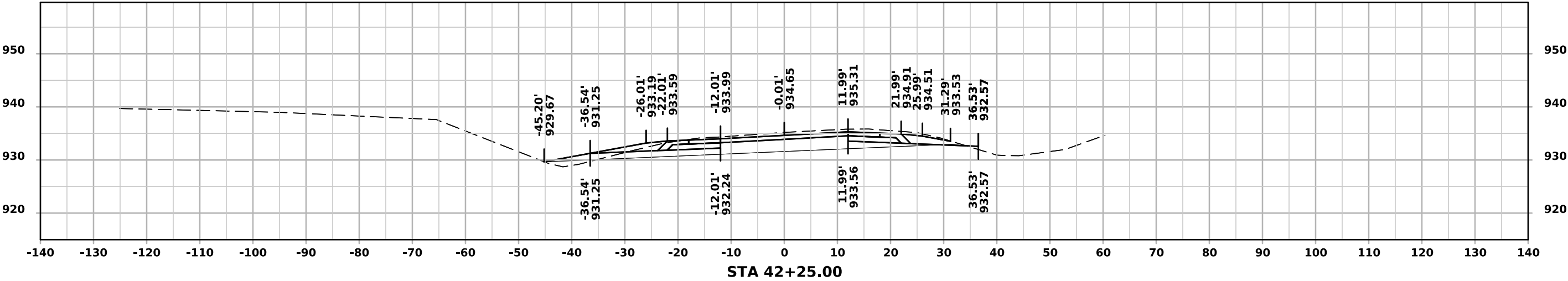
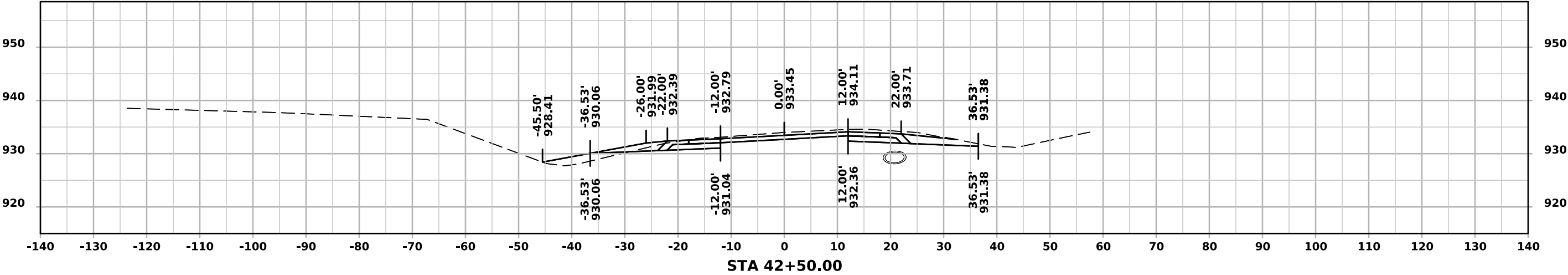
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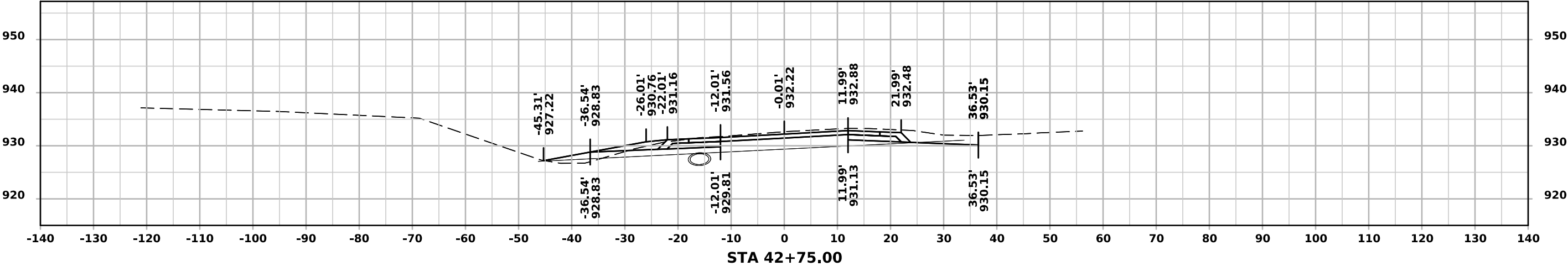
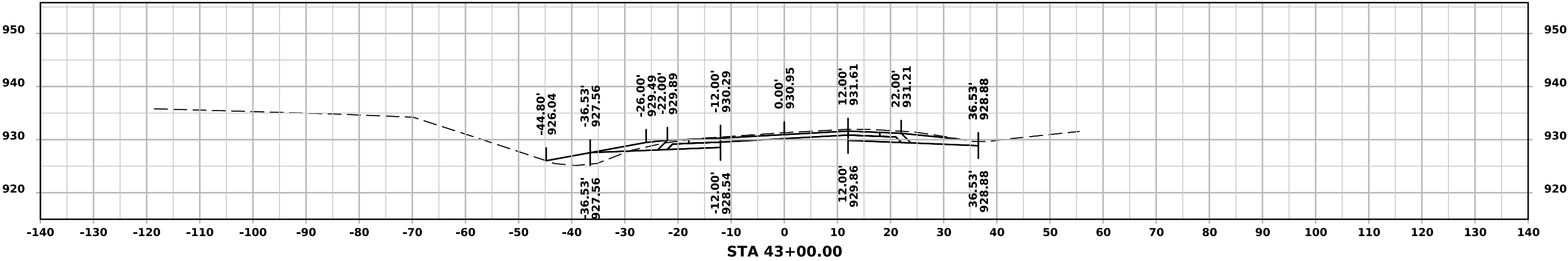
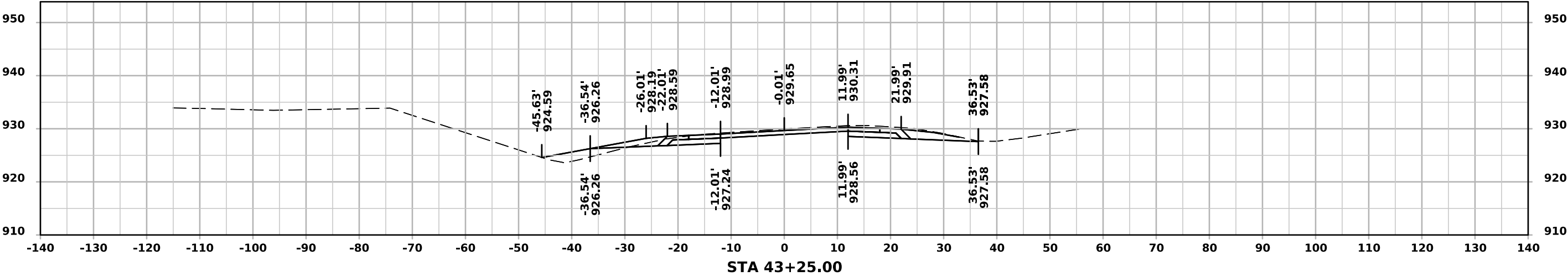
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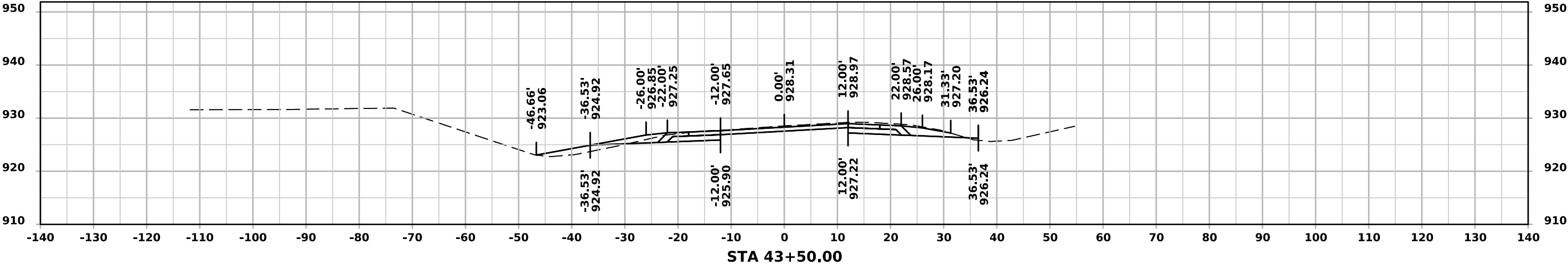
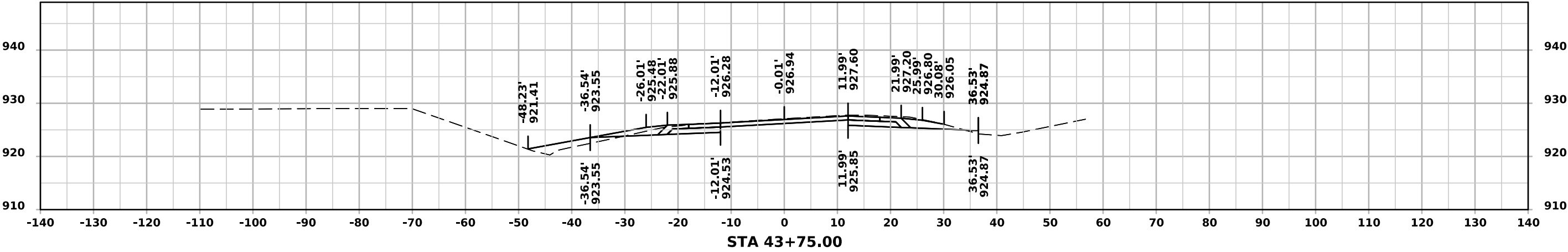
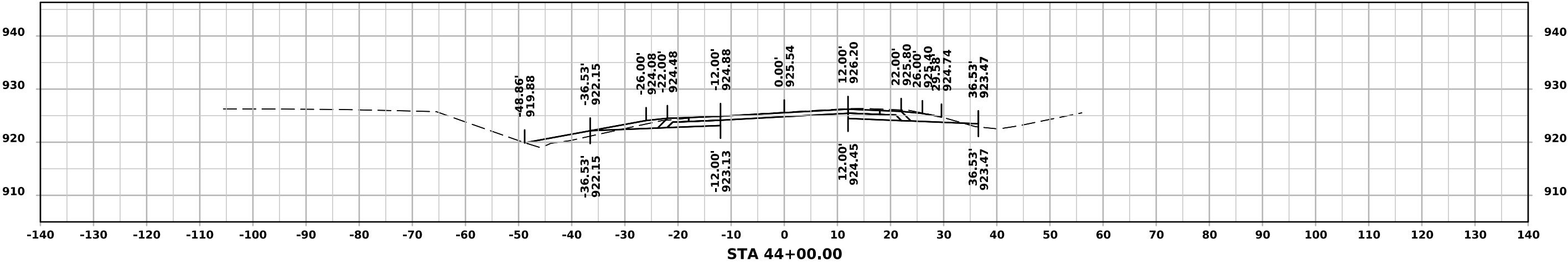
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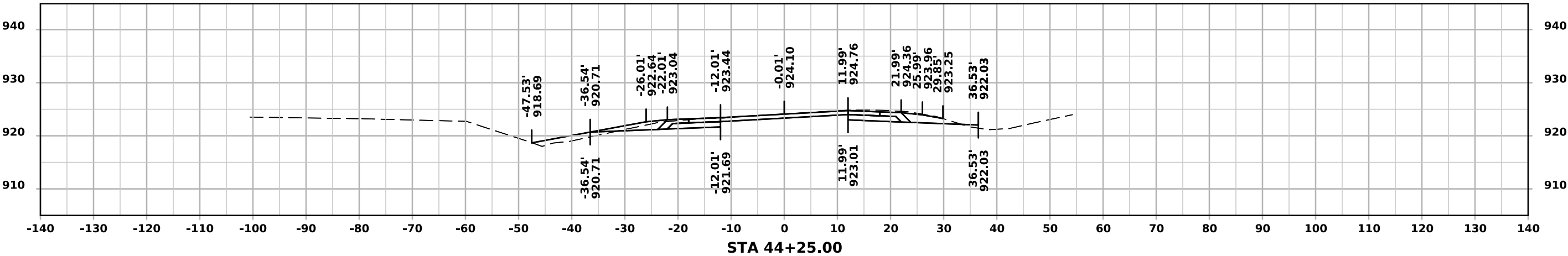
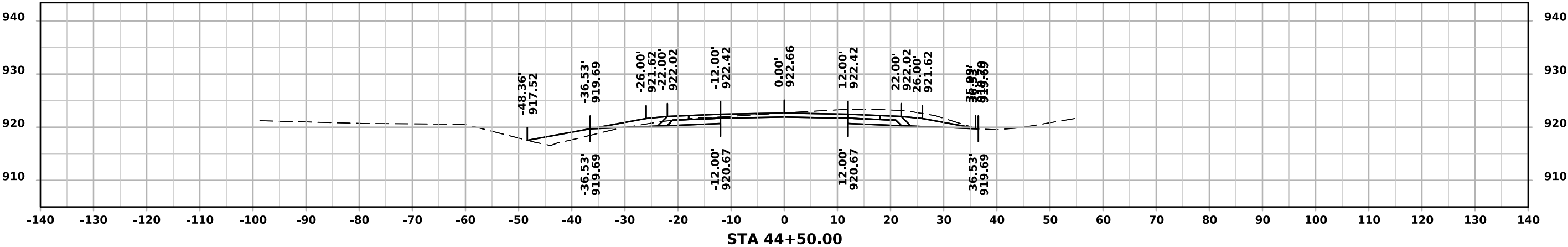
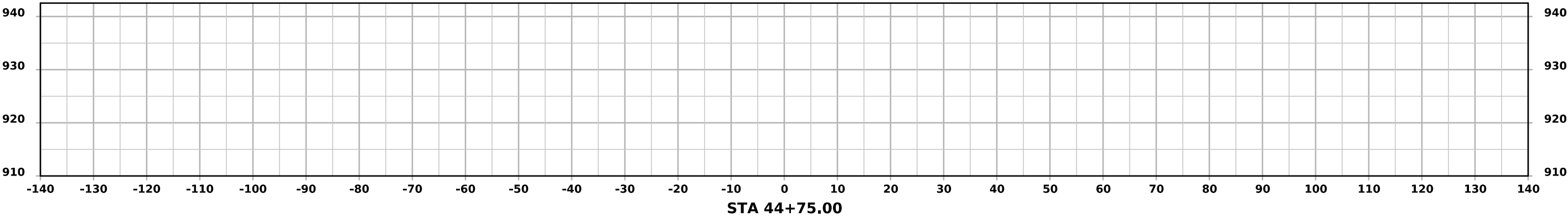
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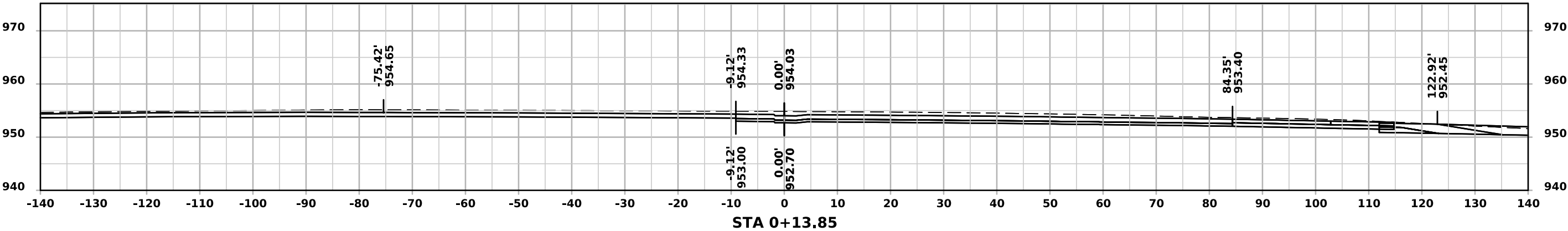
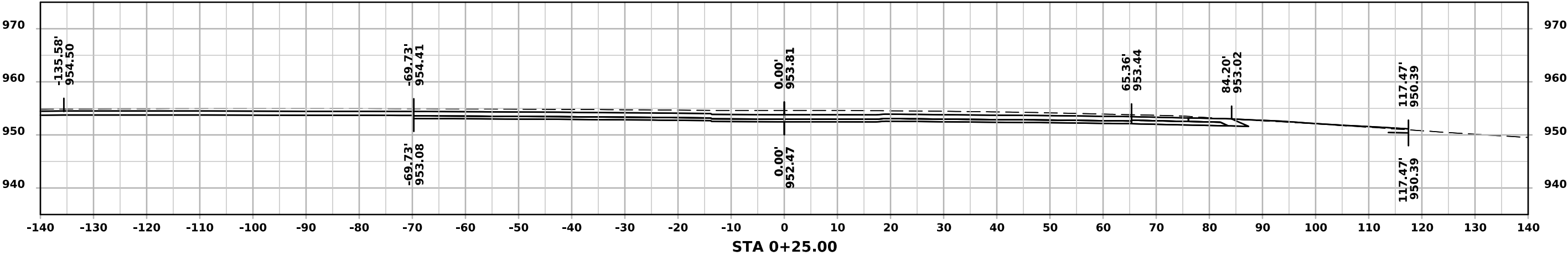
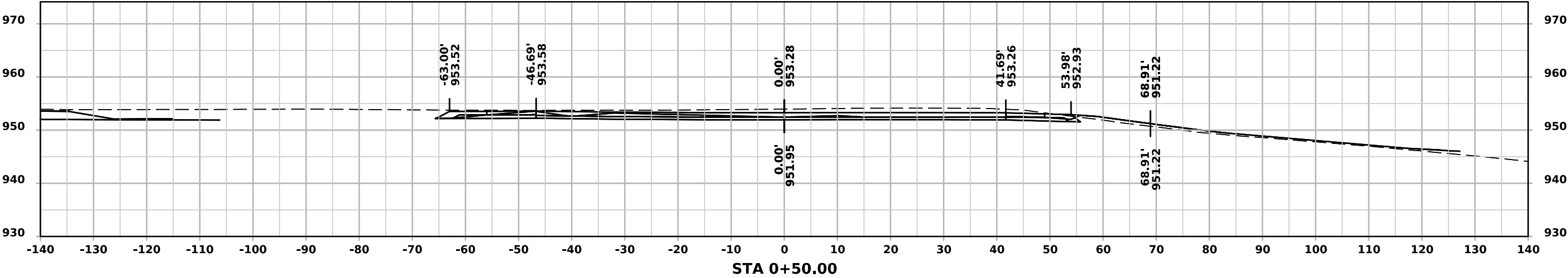
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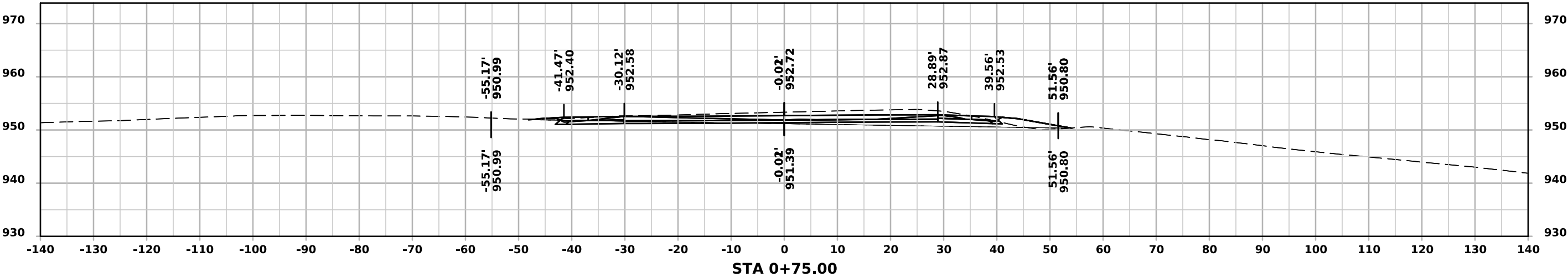
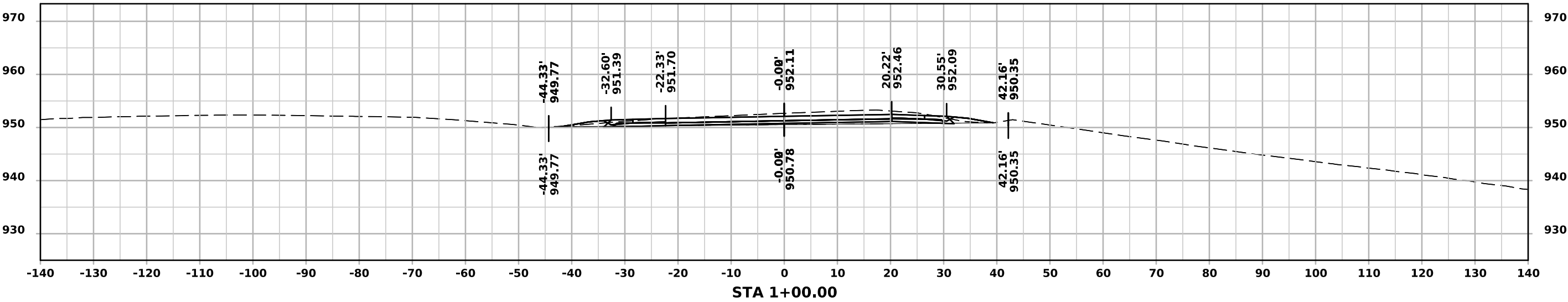
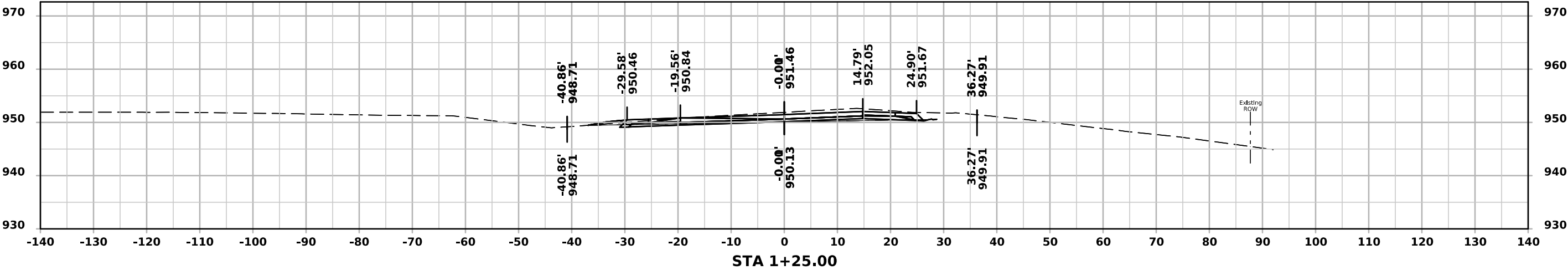
ML - IA 14



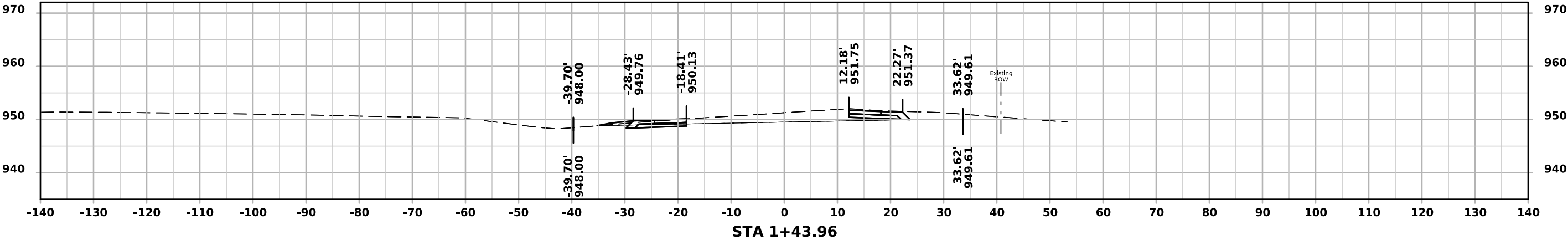
SR - N. 23rd Ave. W



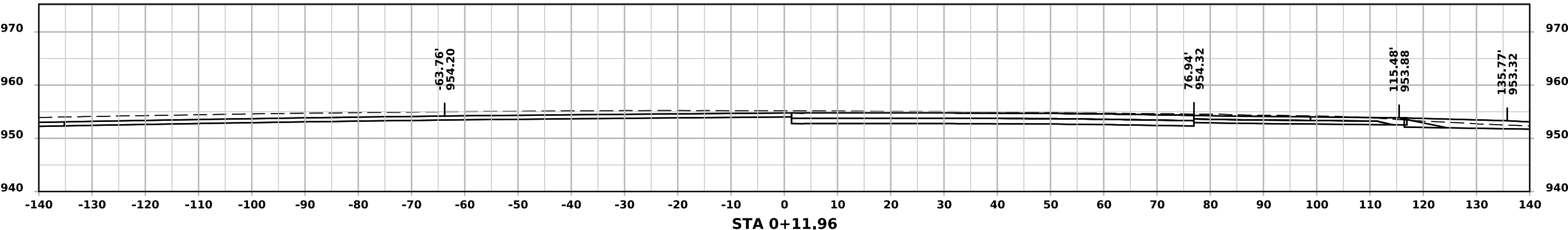
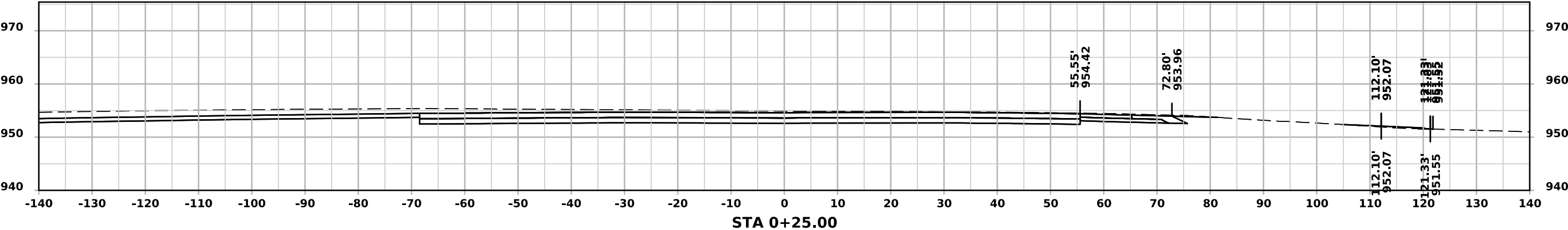
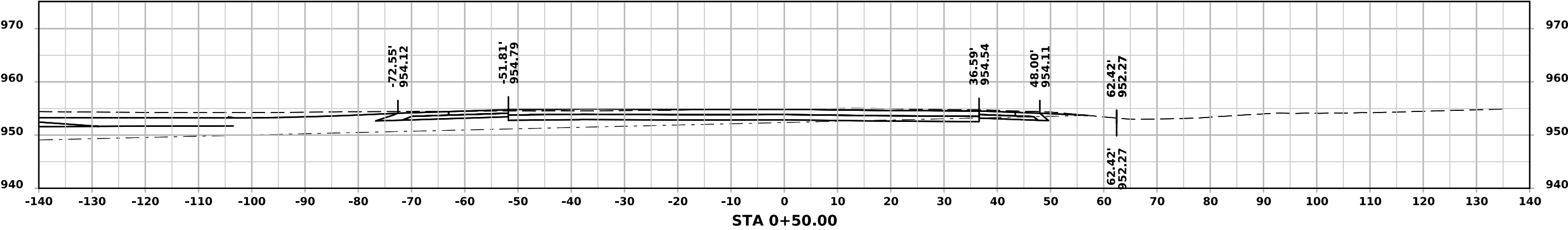
SR - N. 23rd Ave. W



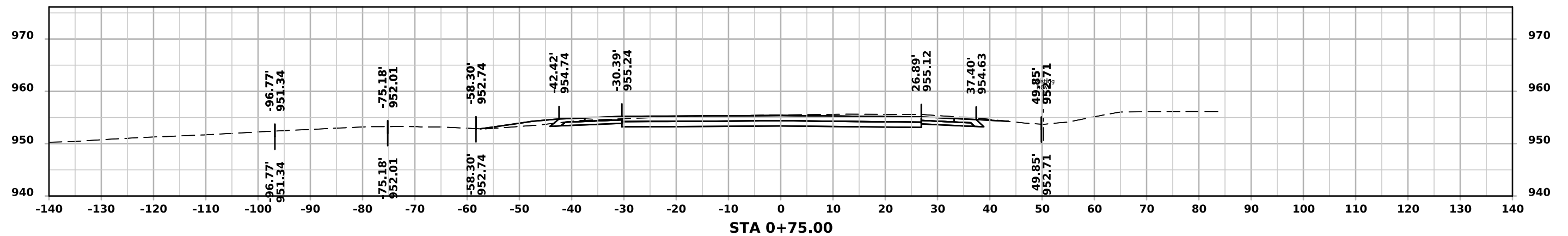
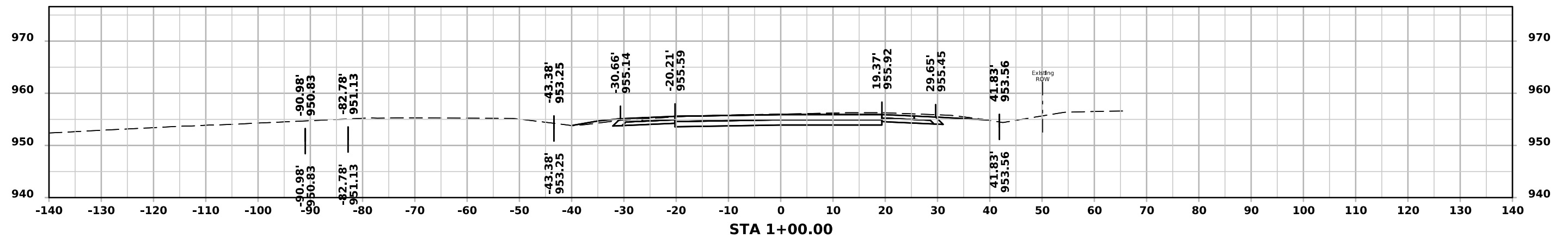
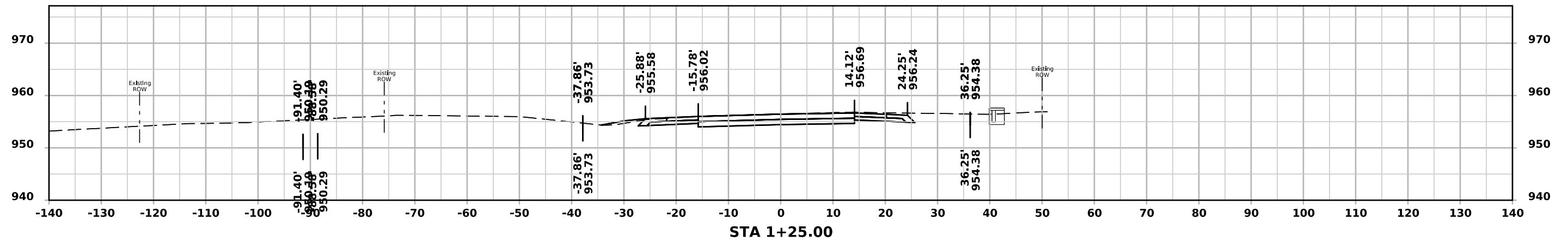
SR - N. 23rd Ave. W



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