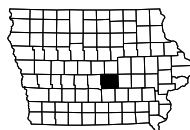


JASPER COUNTY

Grade and Replace
NHSX-014-4(073)--3H-50

LETTING DATE
10/20/2026



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.



REVISIONS

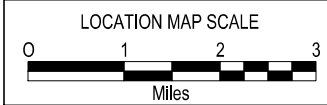
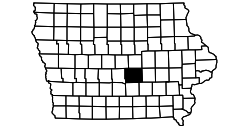
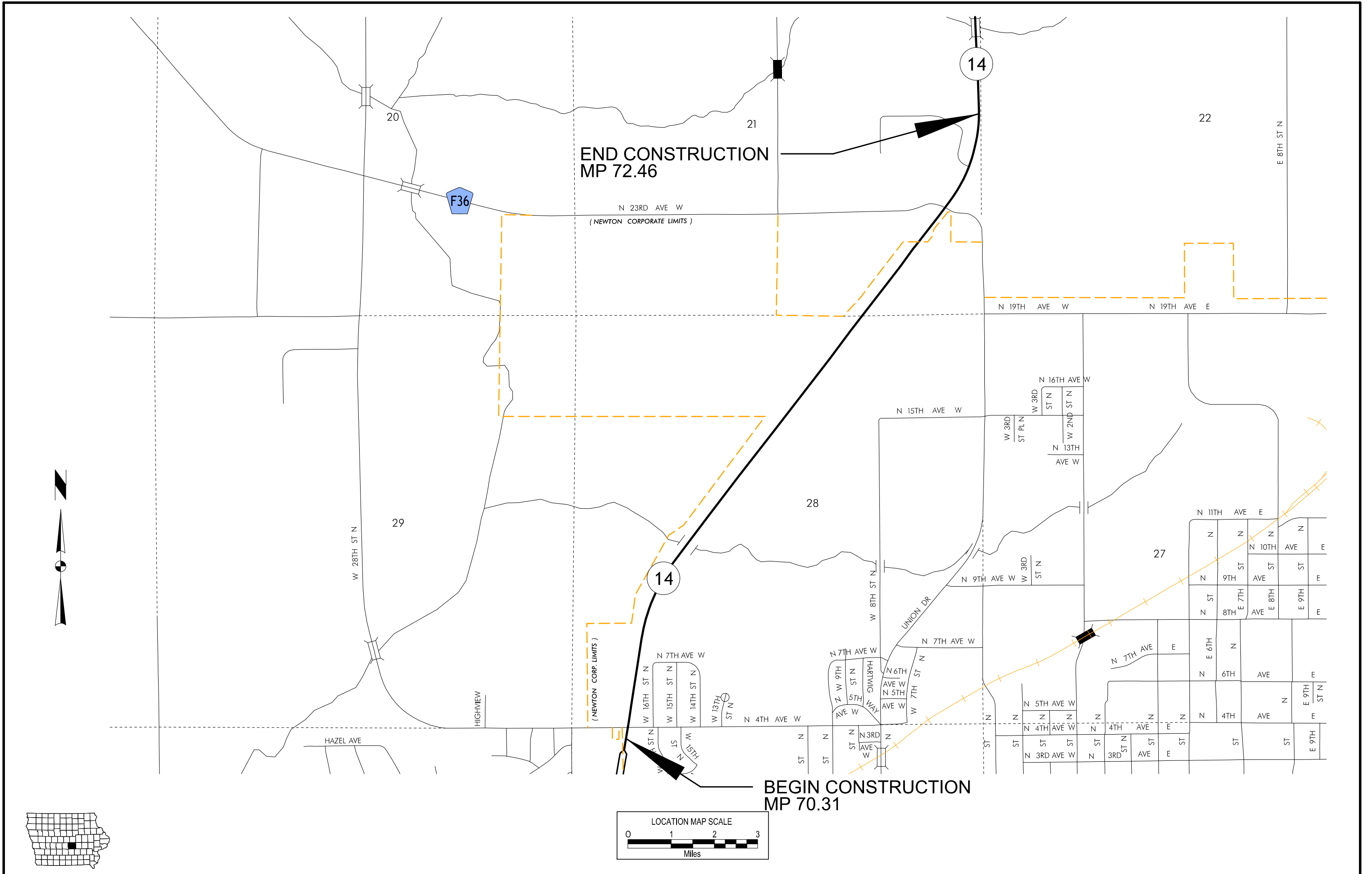
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PROJECT IDENTIFICATION NUMBER
24-50-014-020
PROJECT NUMBER
NHSX-014-4(073)--3H-50
R.O.W. PROJECT NUMBER

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	Jeremy J. Vortherms	Primary Signature Block	C.1

PRELIMINARY PLANS

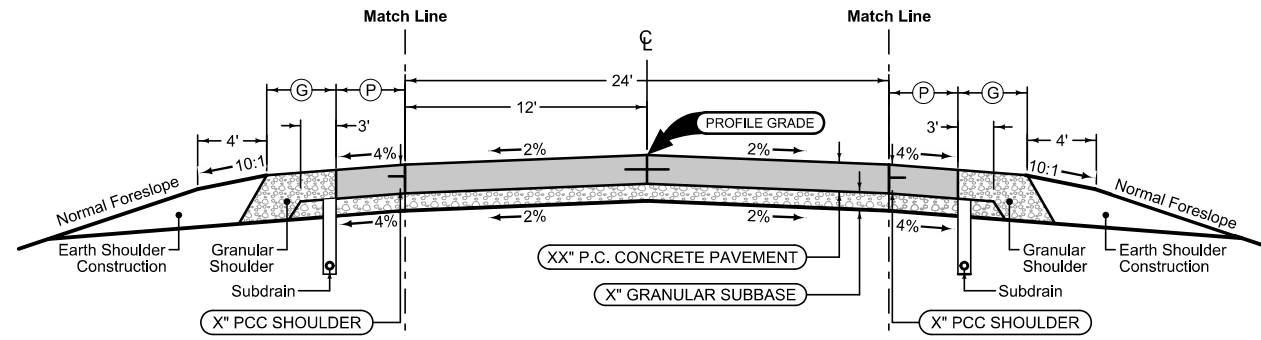
Subject to change by final design.



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	



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

2P_04-21-20	
STATION TO STATION	

Full Depth PCC Combination Shoulder

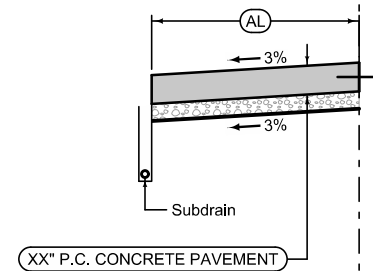
Shoulder Jointing:
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 Transverse joints: C at 17' spacing

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	



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
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- 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)
- Septic Tank
- Cistern
- L.P. Gas Tank (No Footing)
- Underground Storage Tank
- Latrine
- Satellite TV Dish
- Water Hook Up
- Radio Tower
- Tower Anchor
- Guardrail (Beam or Cable)
- Guard Post (one or two)
- Guard Post (over two)
- Filler Pipe
- Gas Valve
- Water Valve
- Speed Limit Sign
- Mile Marker Post
- Sign
- Traffic Signal Control Box
- Rail Road Signal Control Box
- Telephone Switch Box
- Electric Box

UTILITY LEGEND

- E1 *EL1D, Electric Line Co. 1 - Quality D*
- PPA *PPA, Power Pole Co. 1*
- FO1 *FO1D, Fiber Optic Co. 1 - Quality D*
- FO2 *FO2D, Fiber Optic Co. 2 - Quality D*
- FO3 *FO3D, Fiber Optic Co. 3 - Quality D*
- FO4 *FO4D, Fiber Optic Co. 4 - Quality D*
- FO6 *FO6D, Fiber Optic Co. 6 - Quality D*
- FO7 *FO7D, Fiber Optic Co. 7 - Quality D*
- FO8 *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
- 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 Symbol
- Proposed Right-of-Way Line
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary) Symbol
- Easement (Temporary) Line
- Easement
- C/A Access Control
- Property Line Symbol
- Property Line

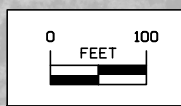
PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

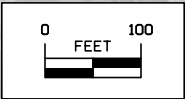
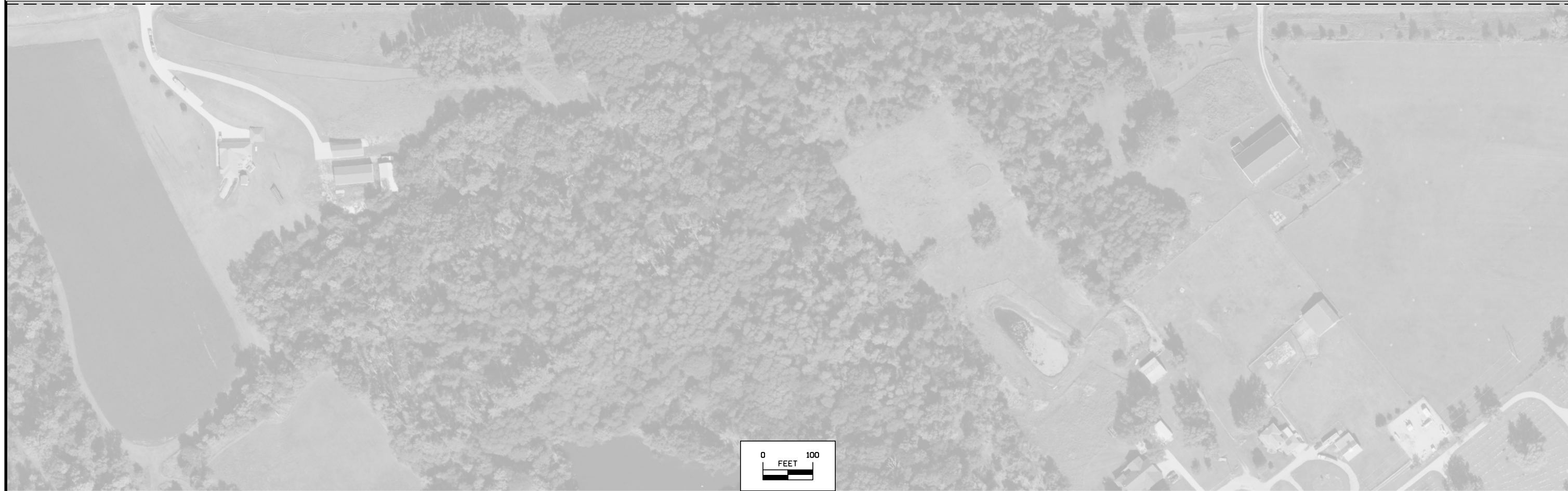
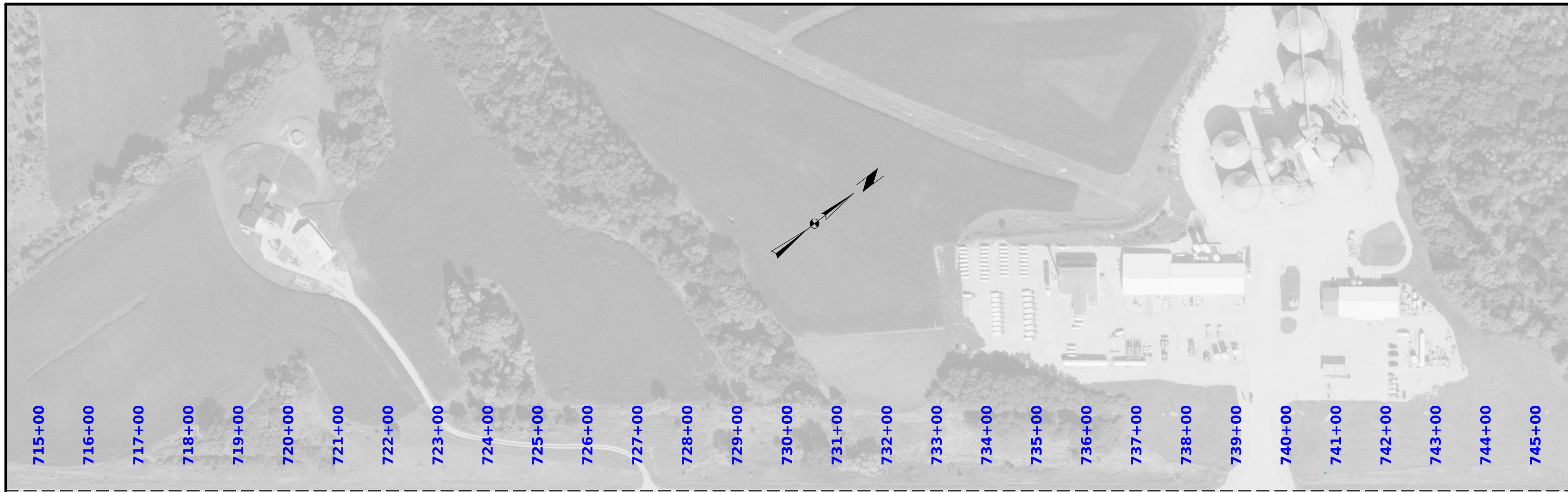
(COVERS SHEET SERIES D, E, F, & K)

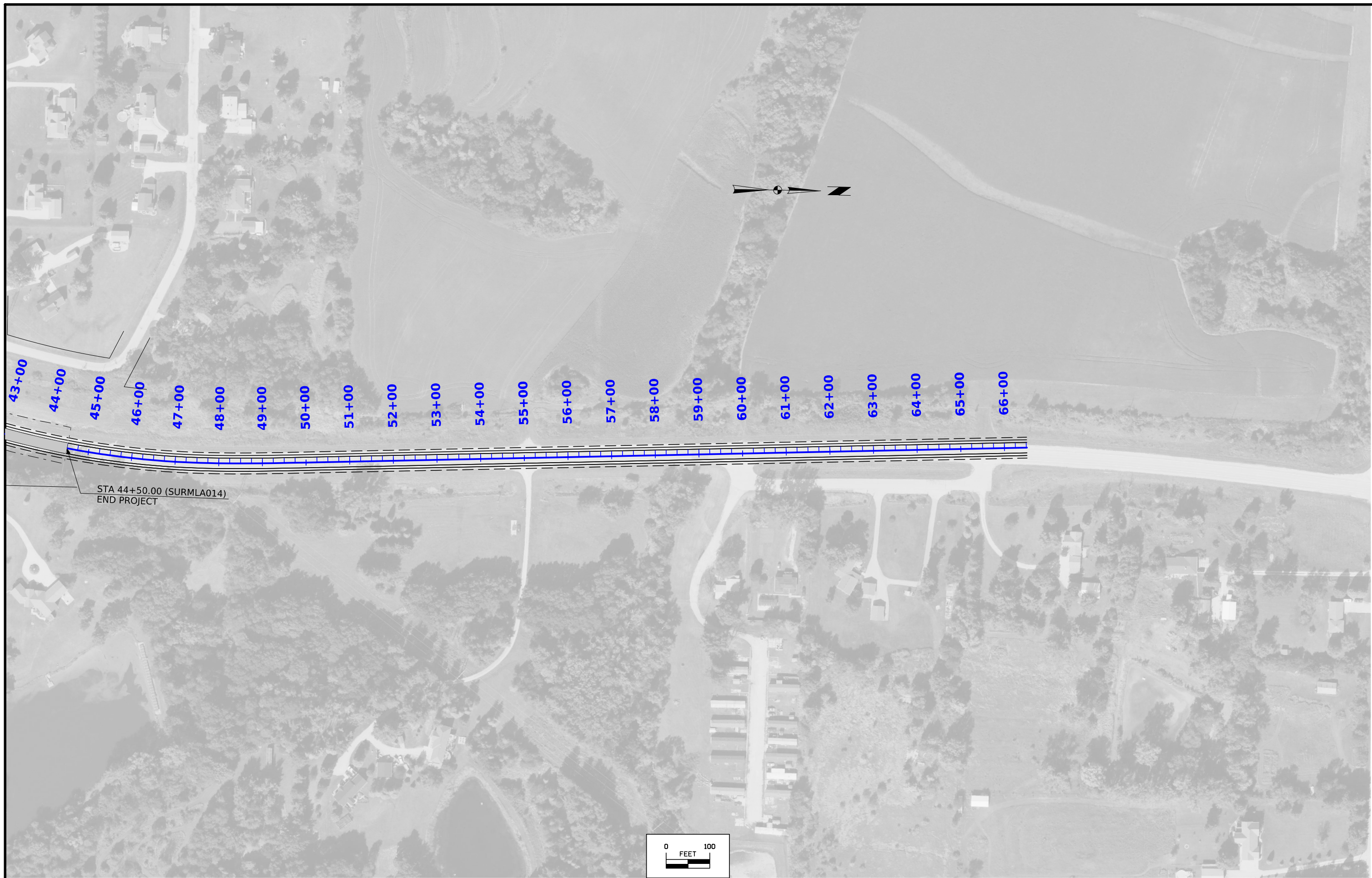
Newton TWP.
T-80N R-19W
SEC. 33

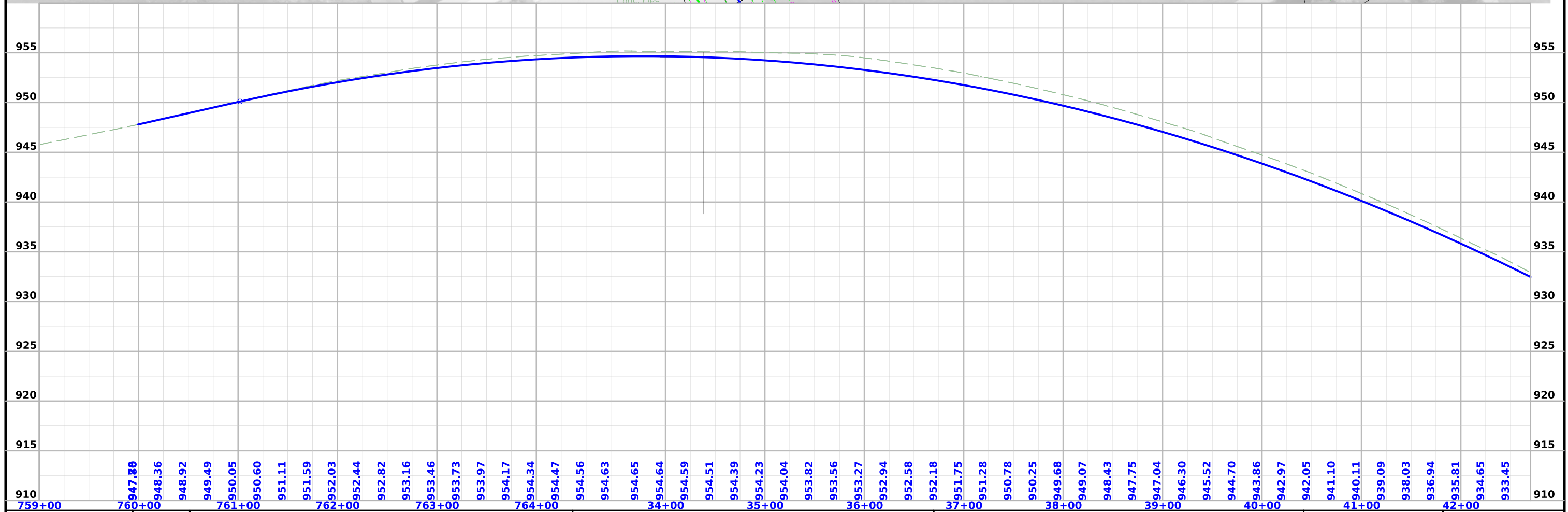
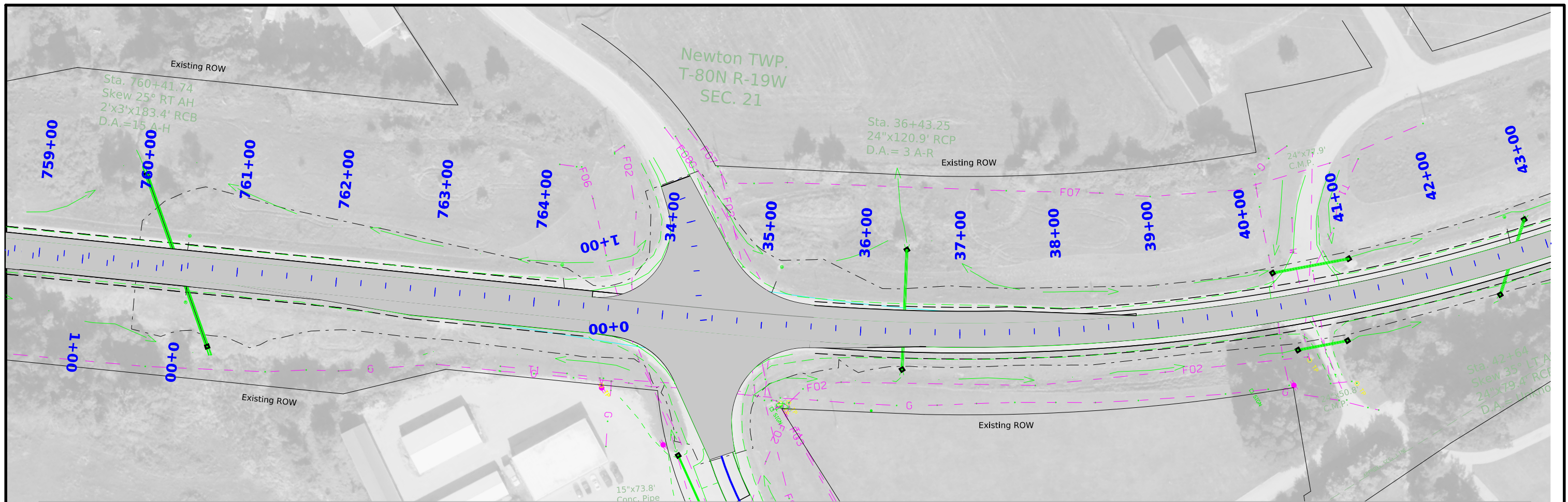
N. 4th Ave. N
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STA 685+83.44 (SURMLA014)
BEGIN PROJECT

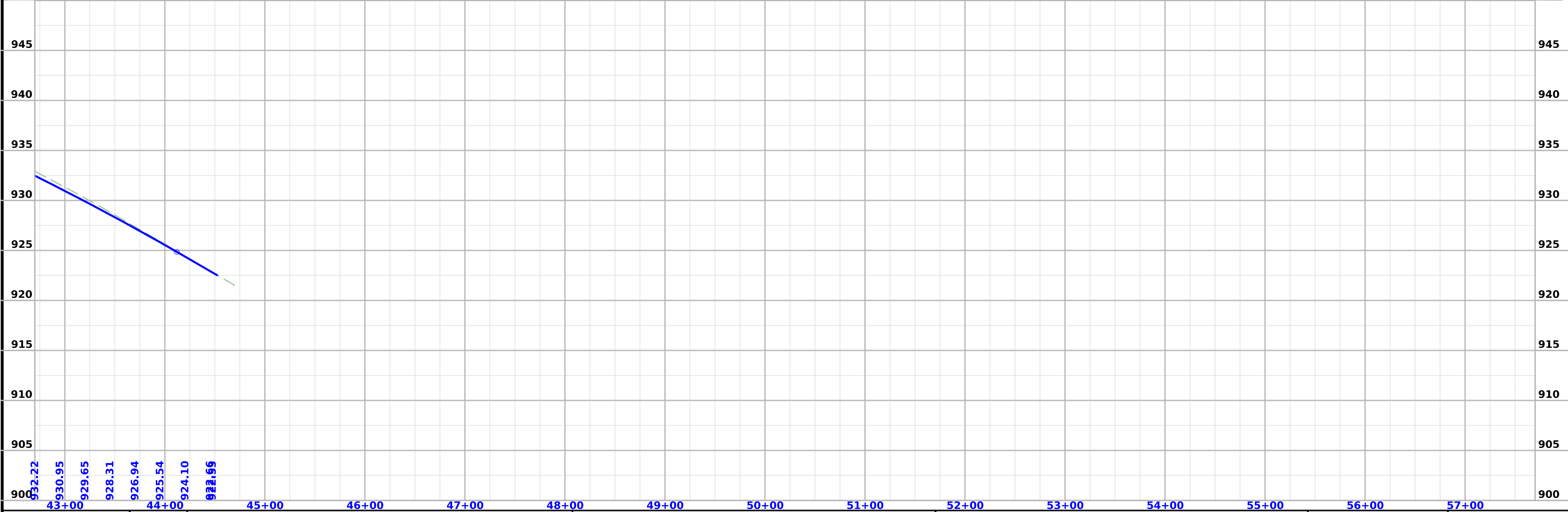








FILE NO.	ENGLISH	DESIGN TEAM	Vortherms/Adey/Ringgenberg	JASPER COUNTY	PROJECT NUMBER	NHSX-014-4(073)--3H-50	SHEET NUMBER	D.6
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FILE NO.	ENGLISH	DESIGN TEAM	Vortherms/Adey/Ringgenberg	JASPER COUNTY	PROJECT NUMBER	NHSX-014-4(073)--3H-50	SHEET NUMBER	D.6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

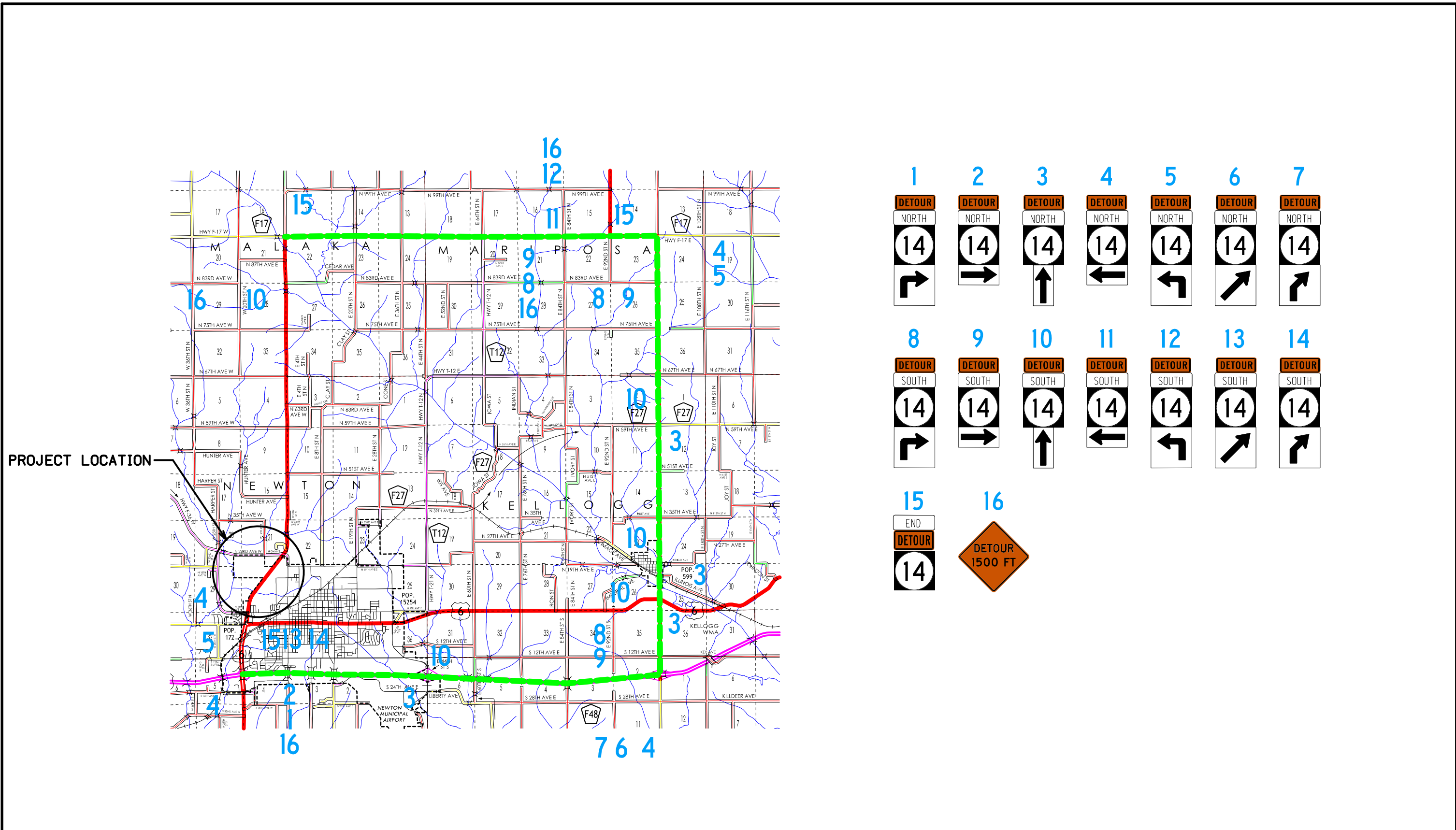
Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

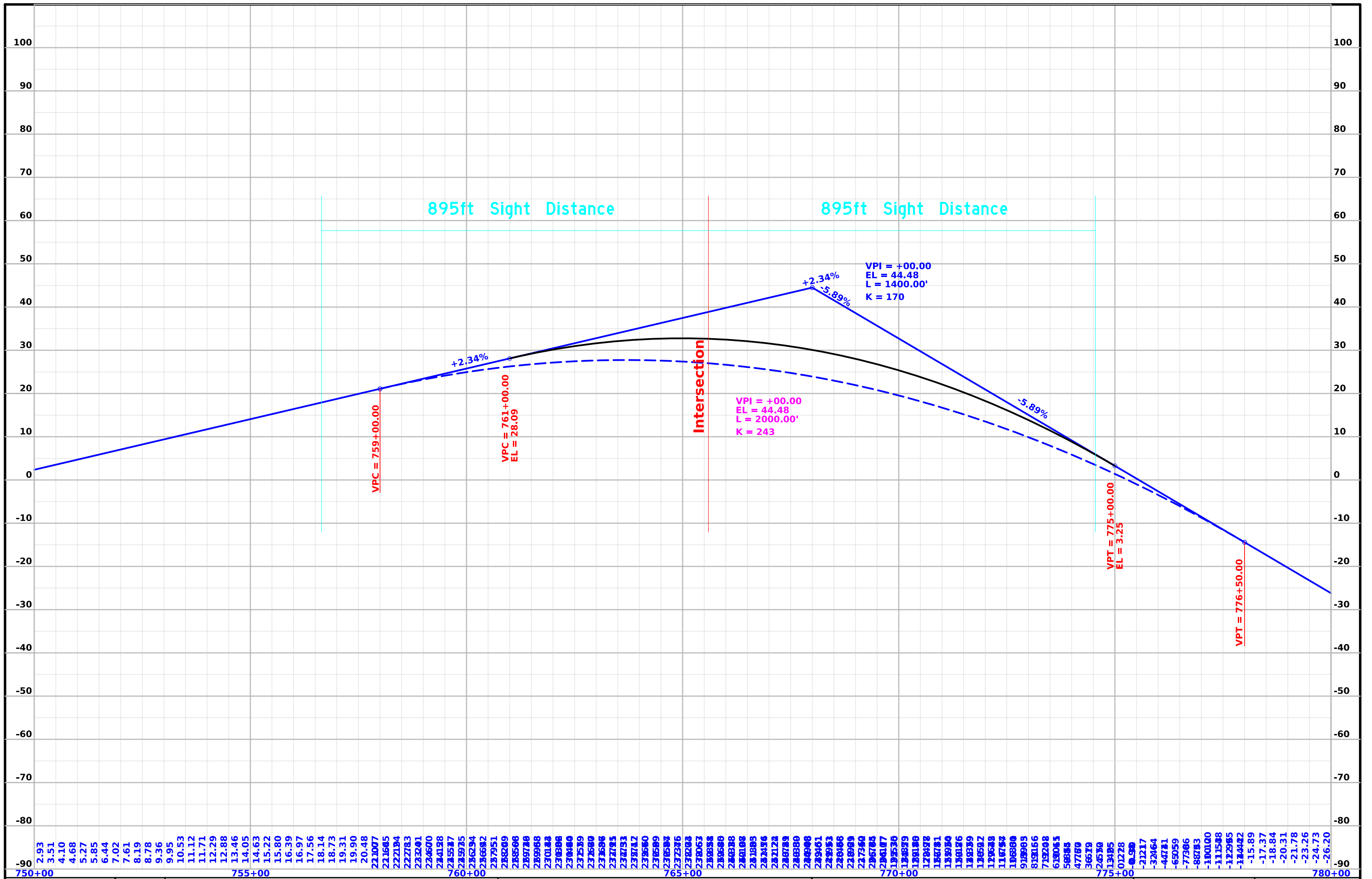
Project	Type of Work
Provided at turn-in	

108-25
10-21-14

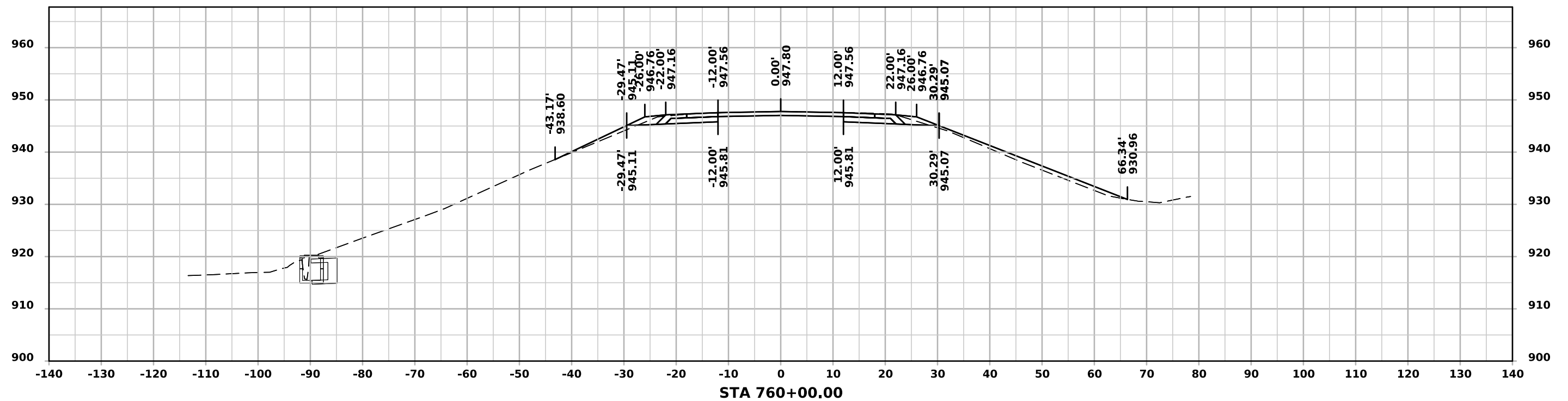
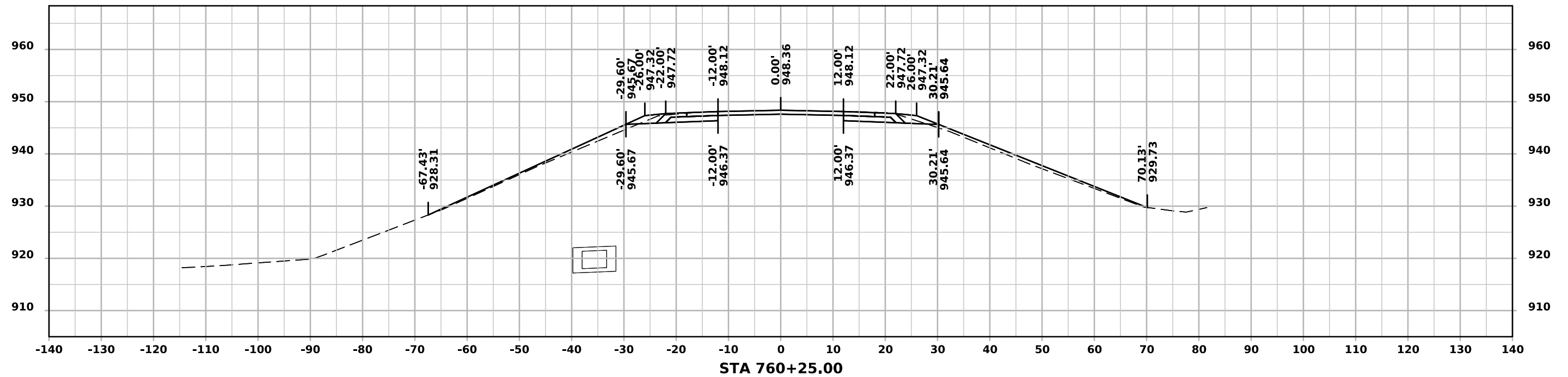
511 TRAVEL RESTRICTIONS

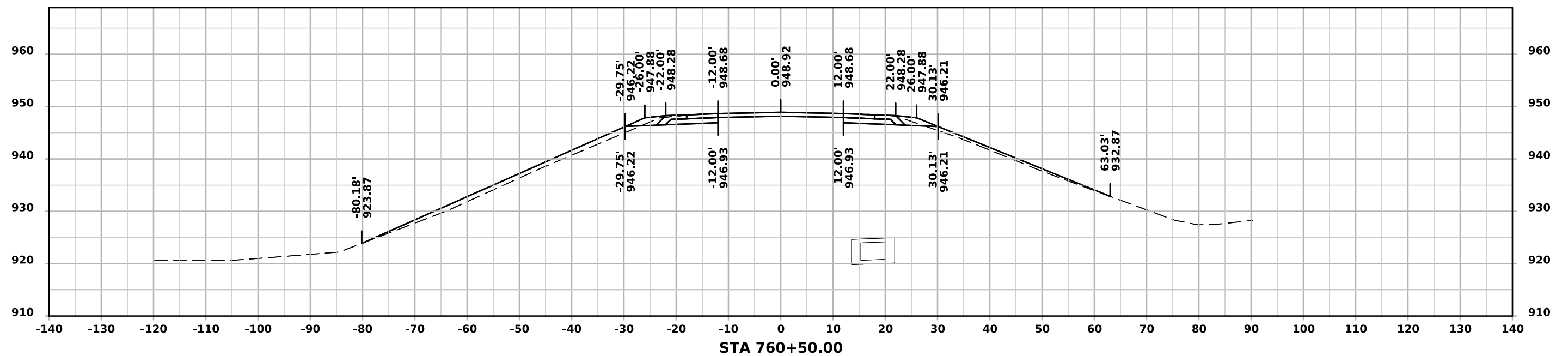
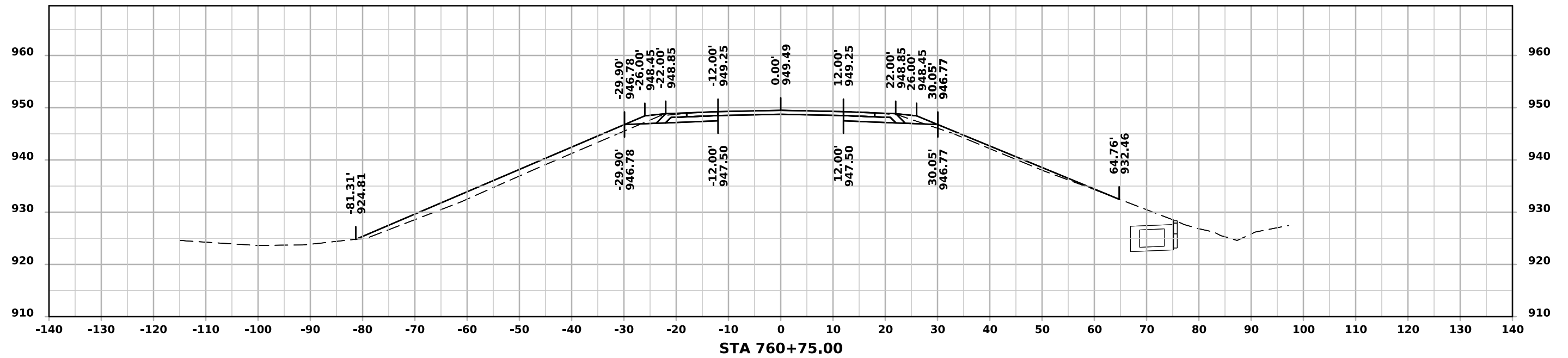
Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
IA 14	NB/SB	Jasper	Closed Road	Detoured route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

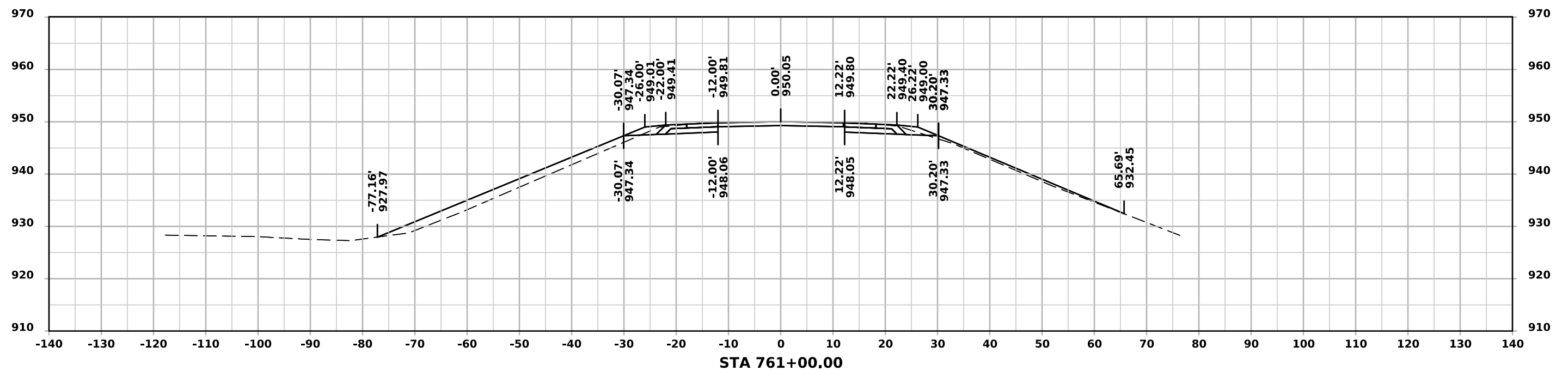
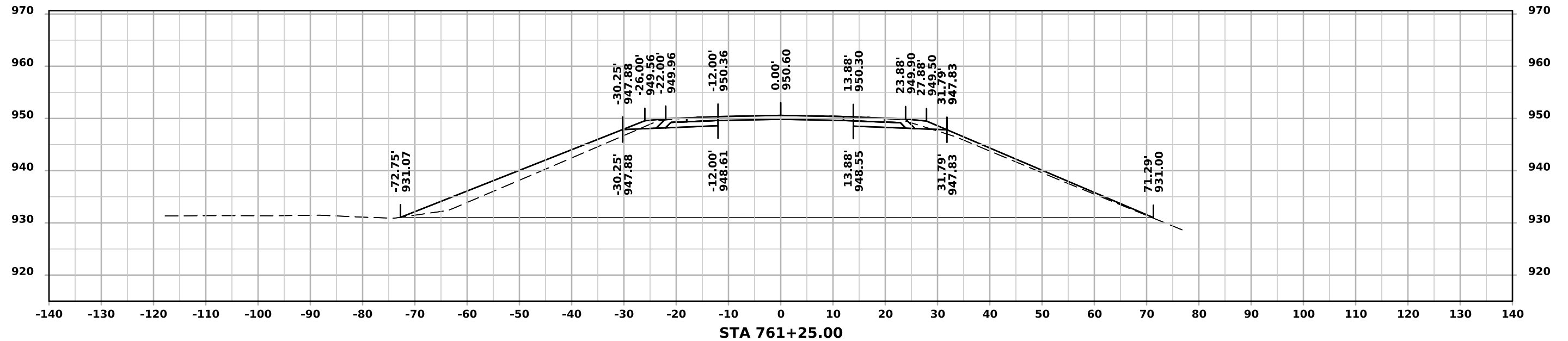


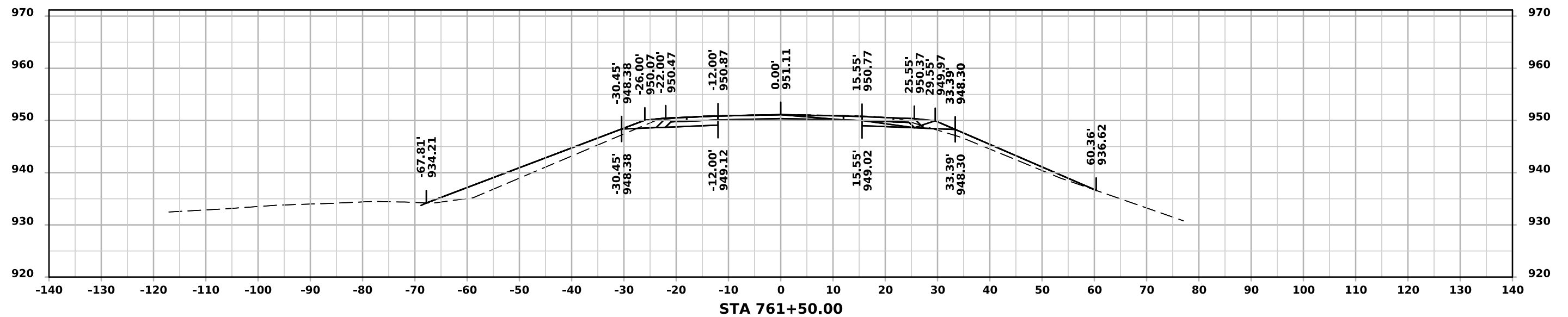
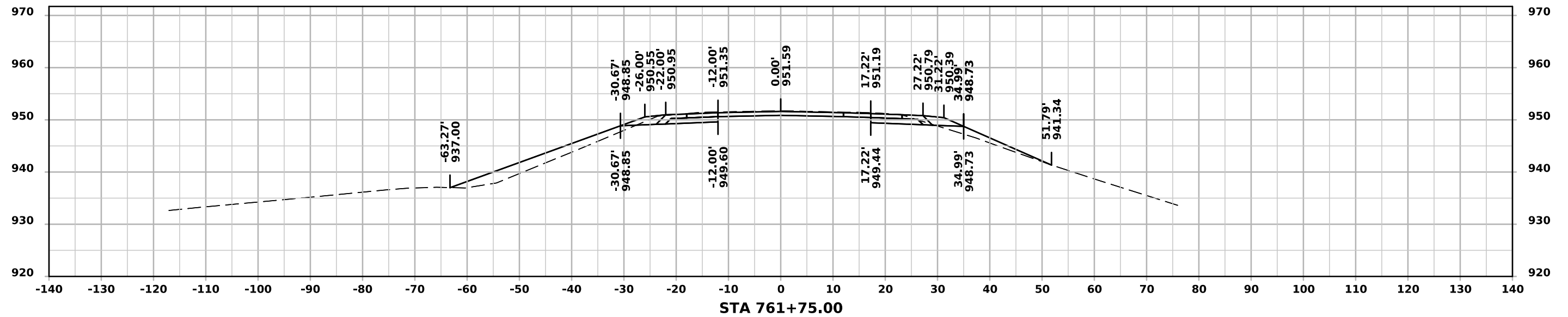


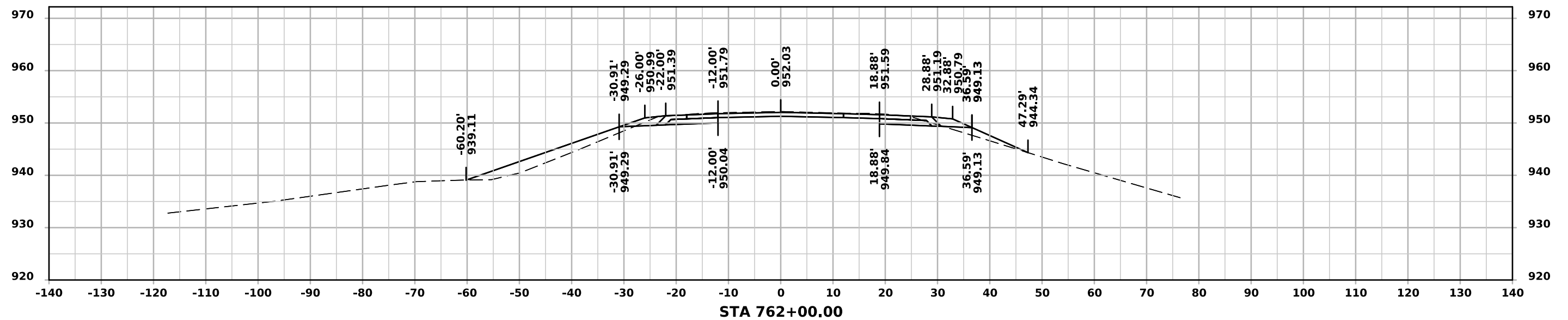
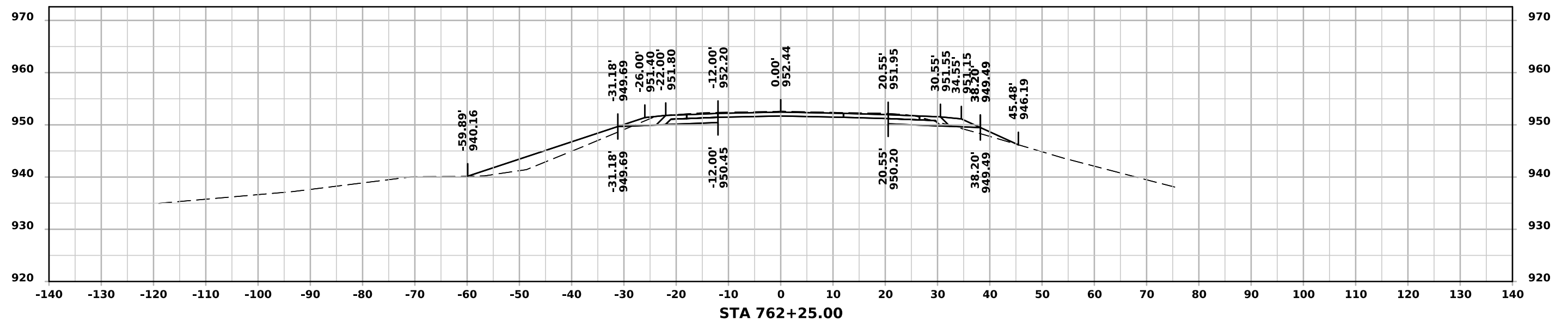
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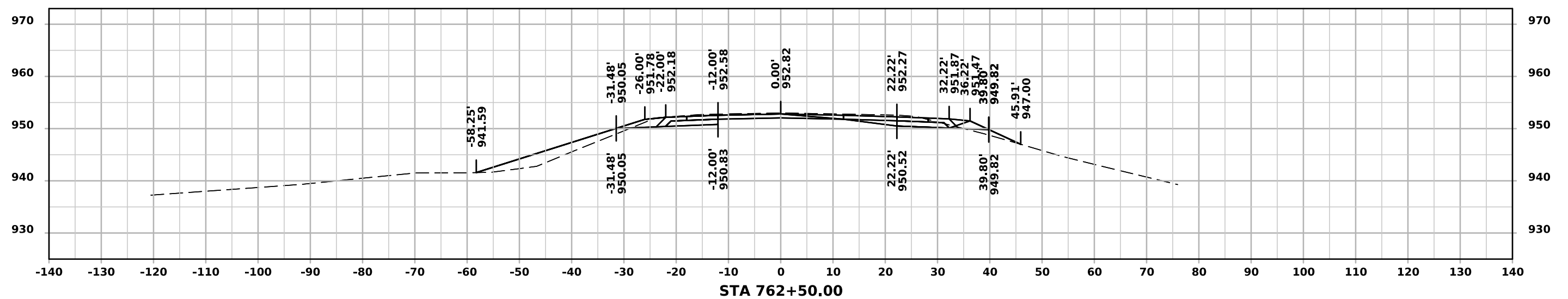
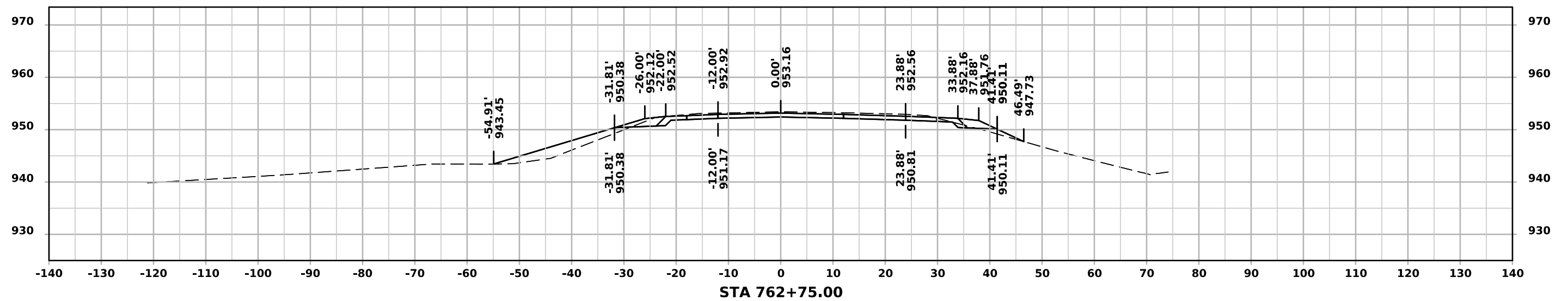




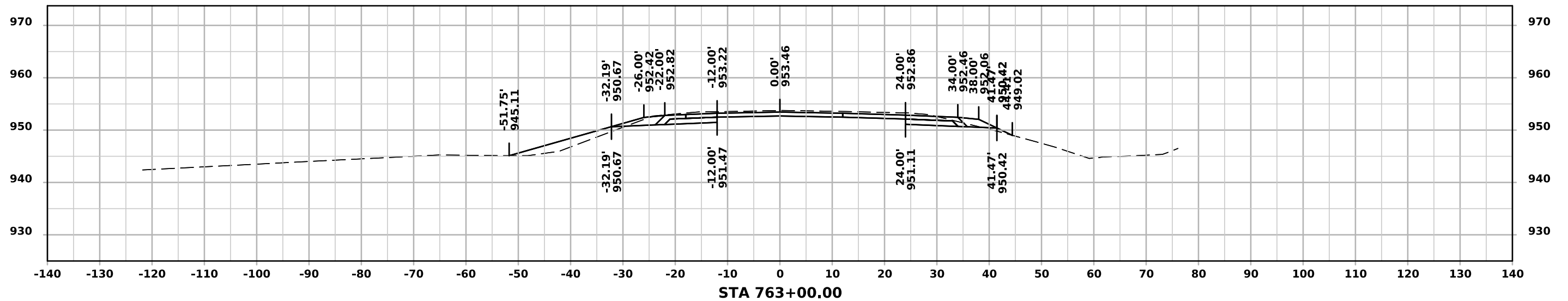
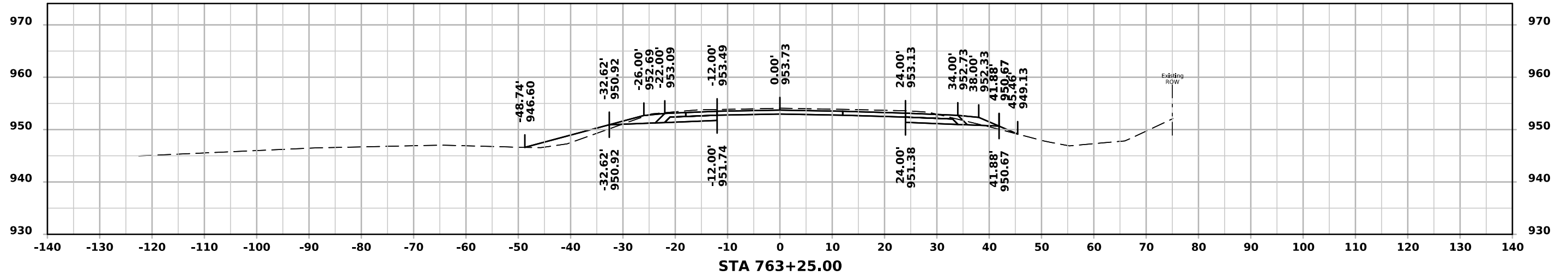
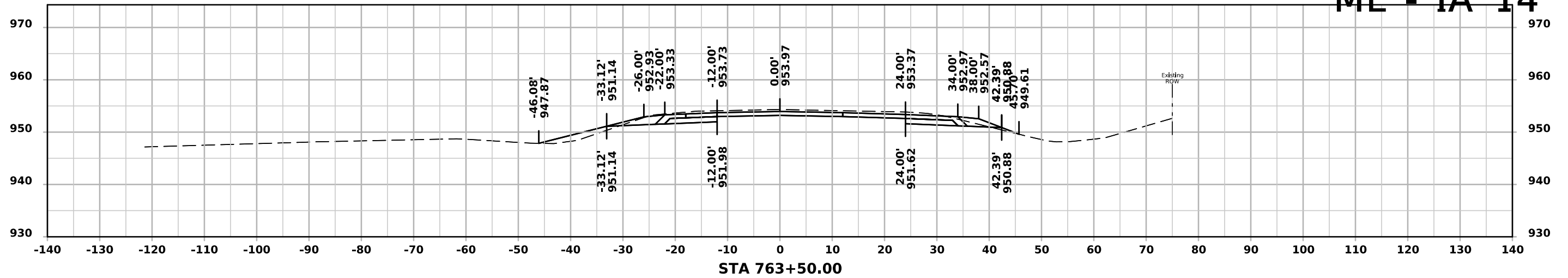




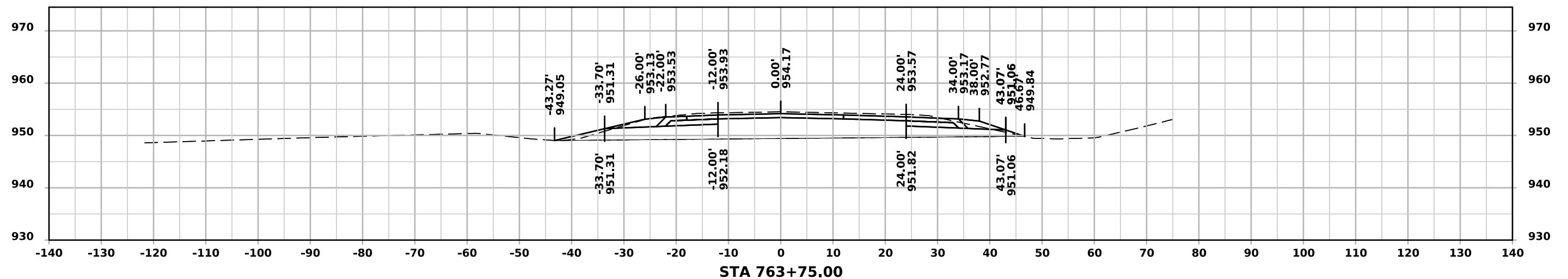
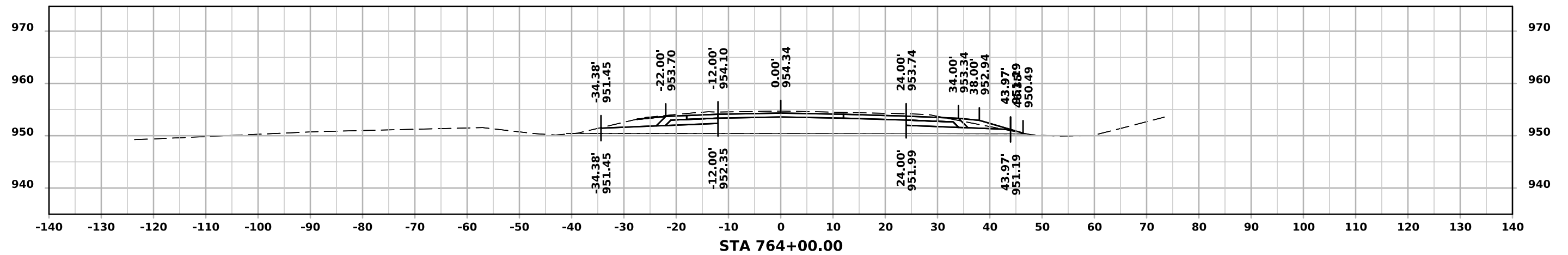
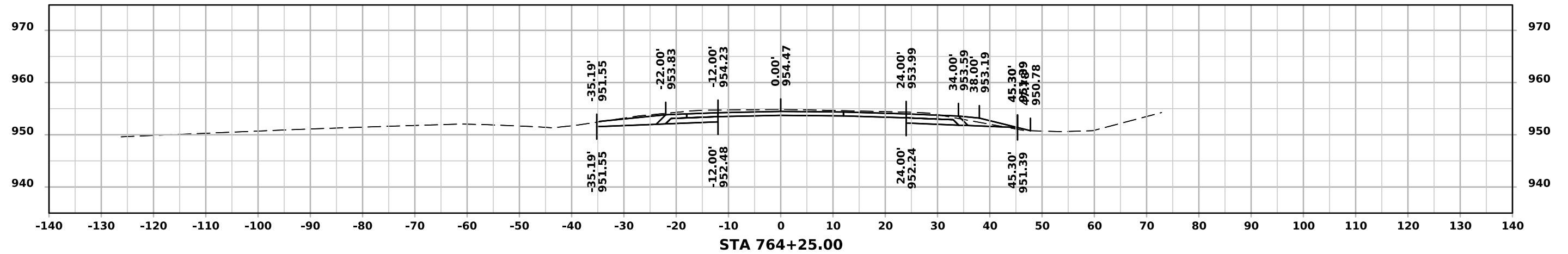




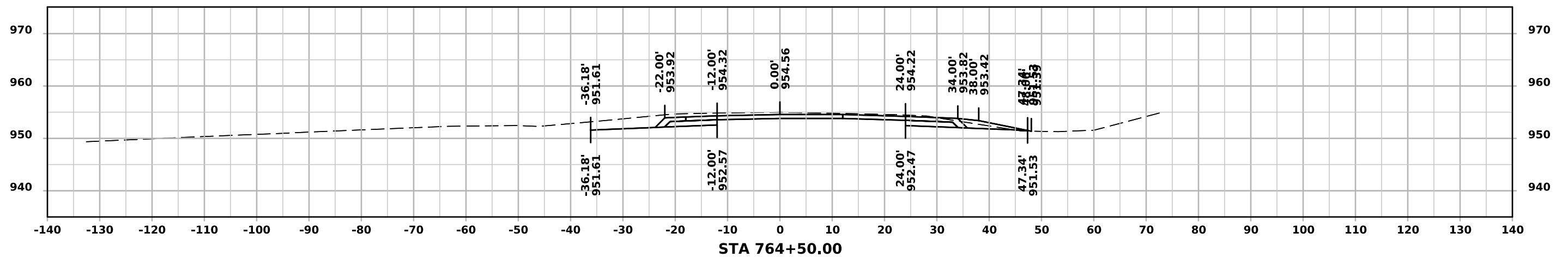
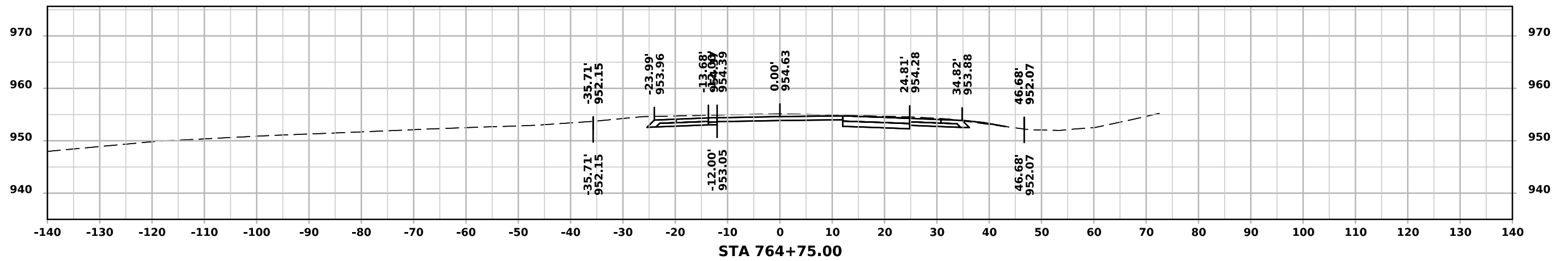
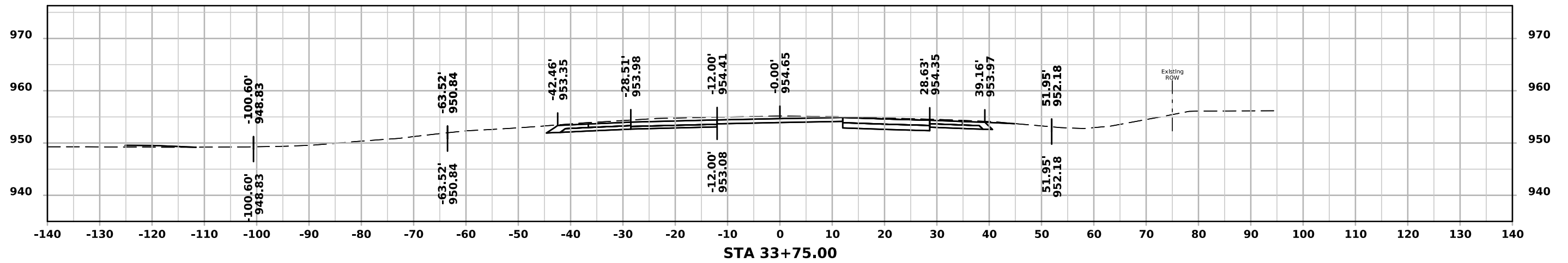
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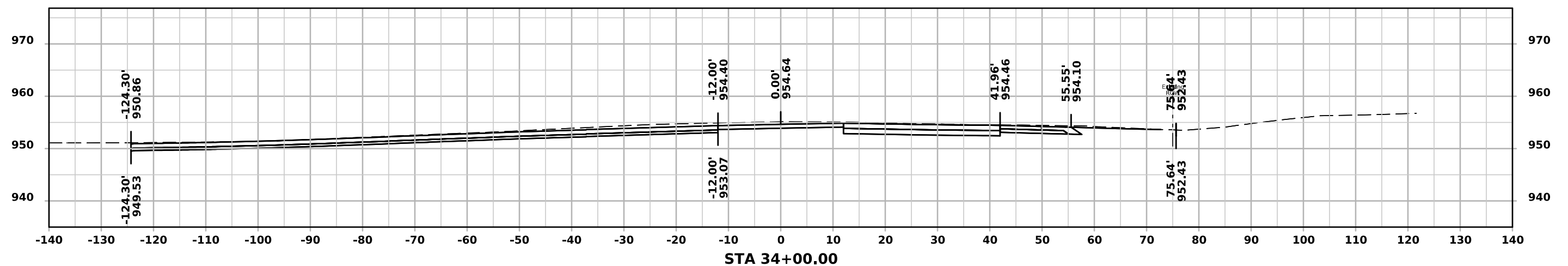
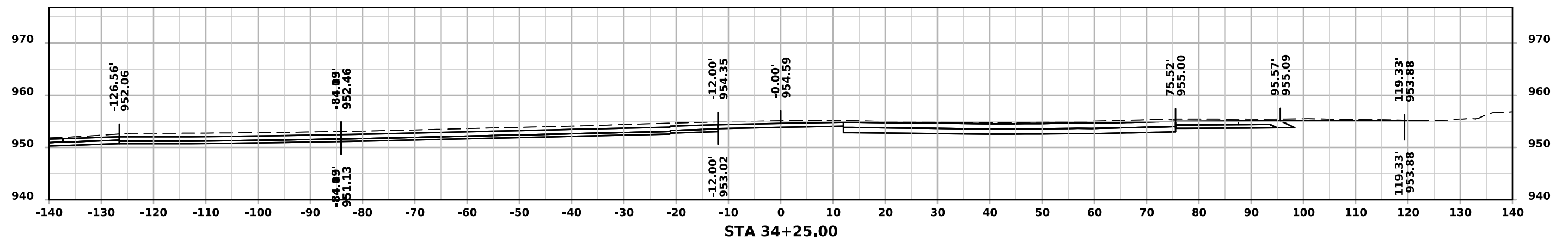
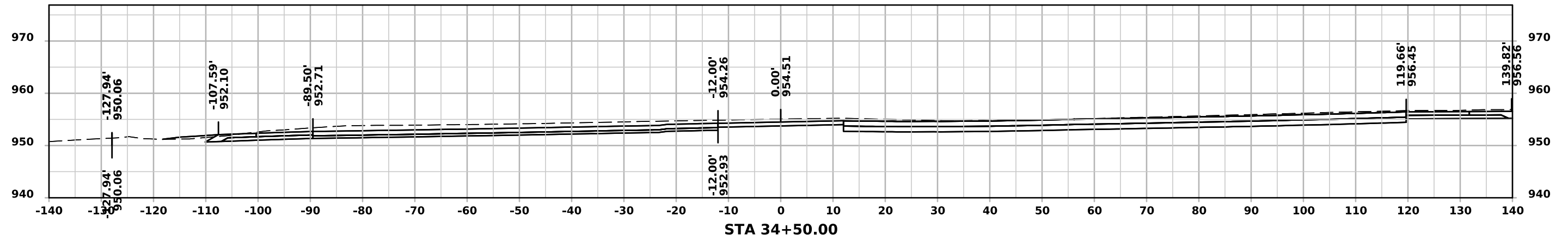
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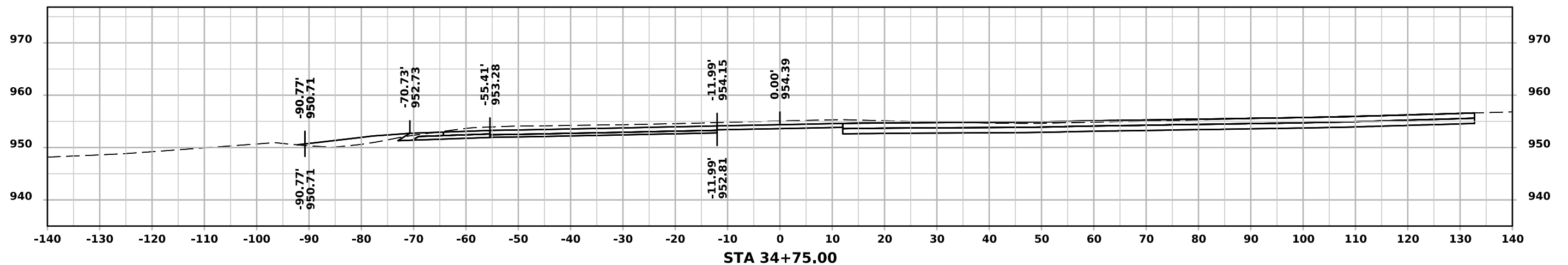
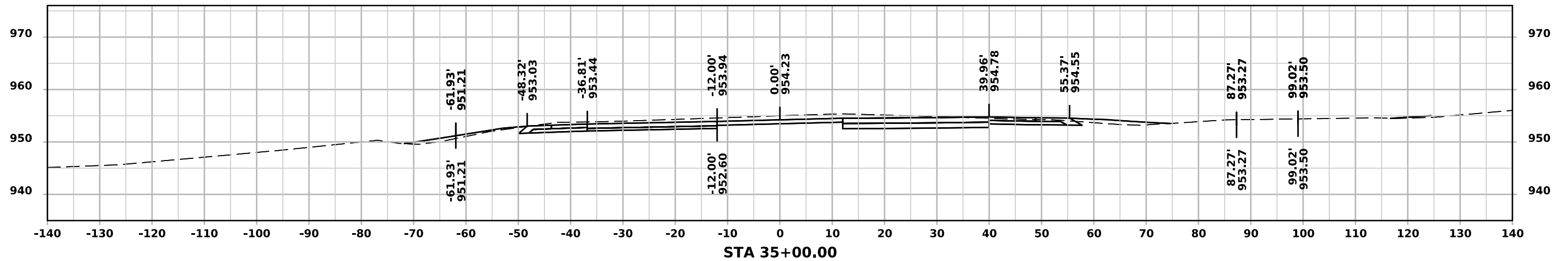
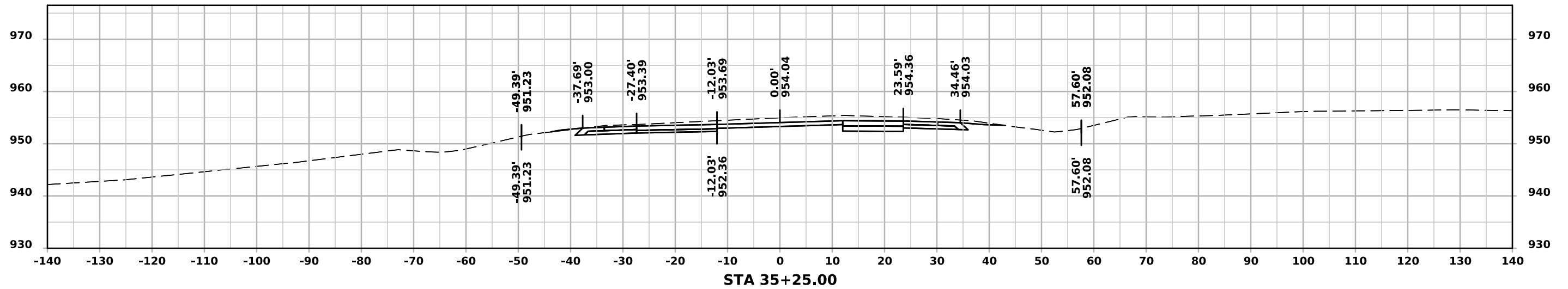
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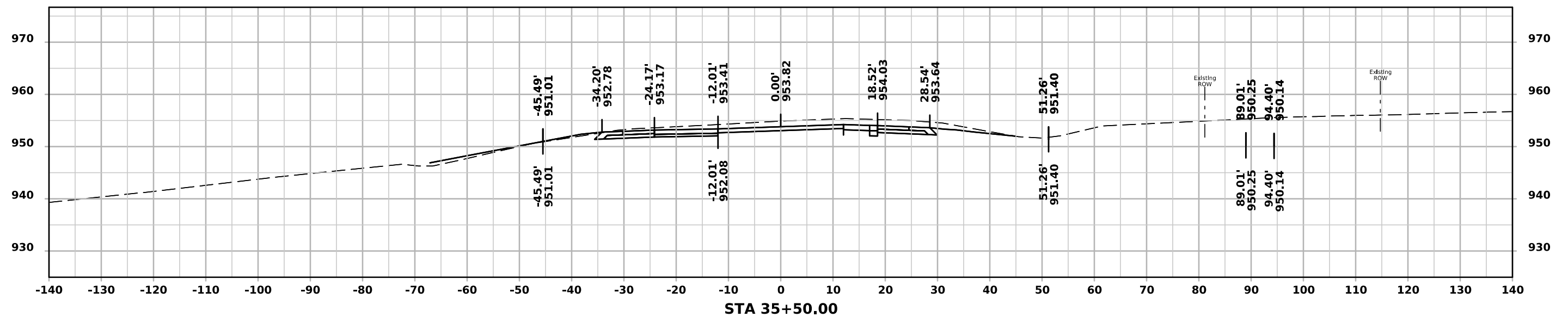
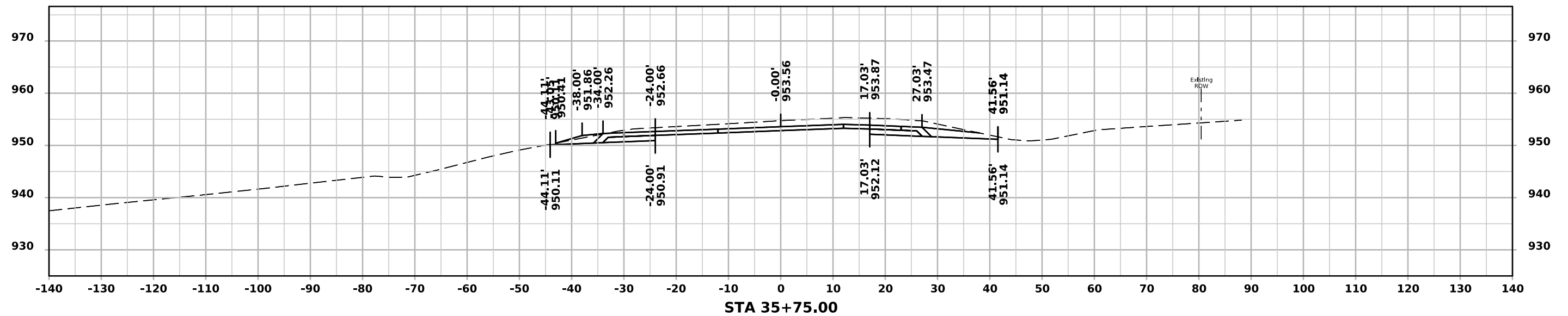
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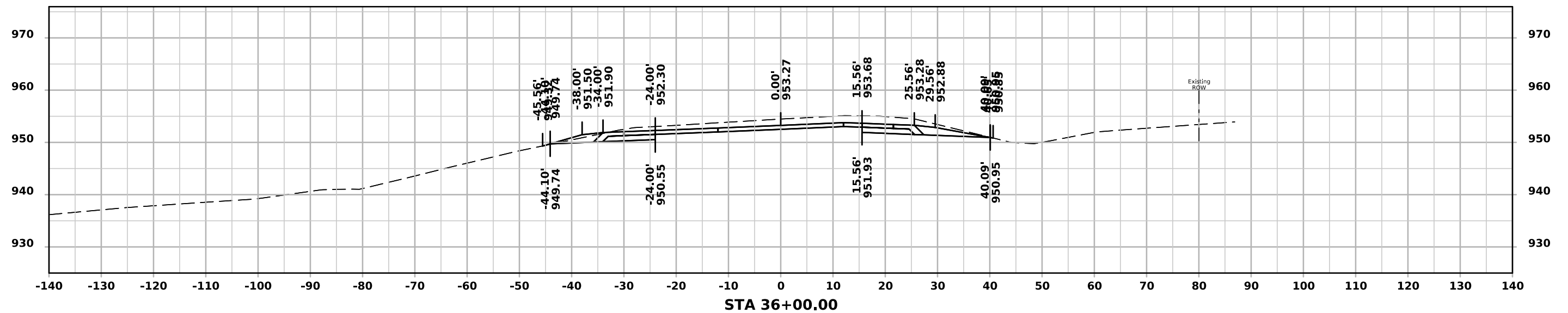
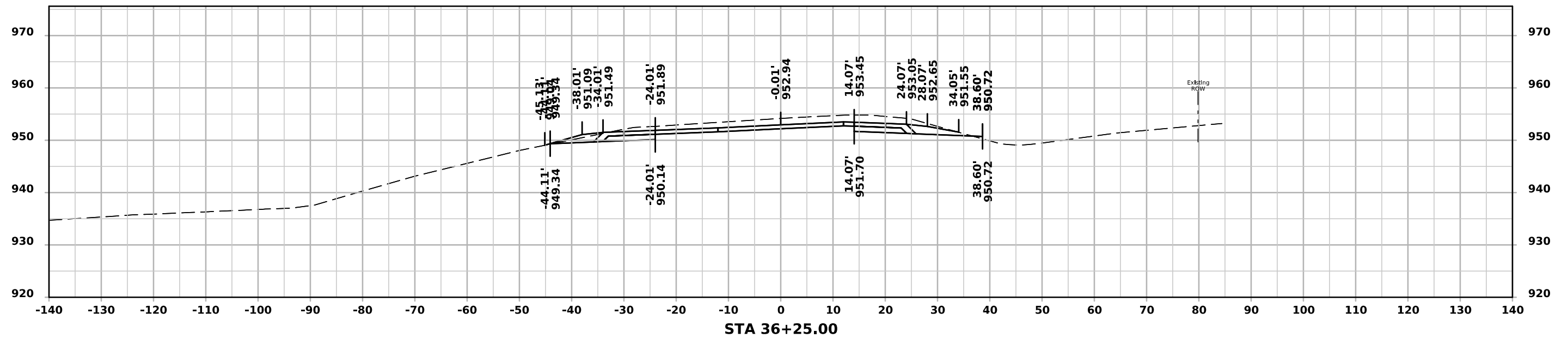


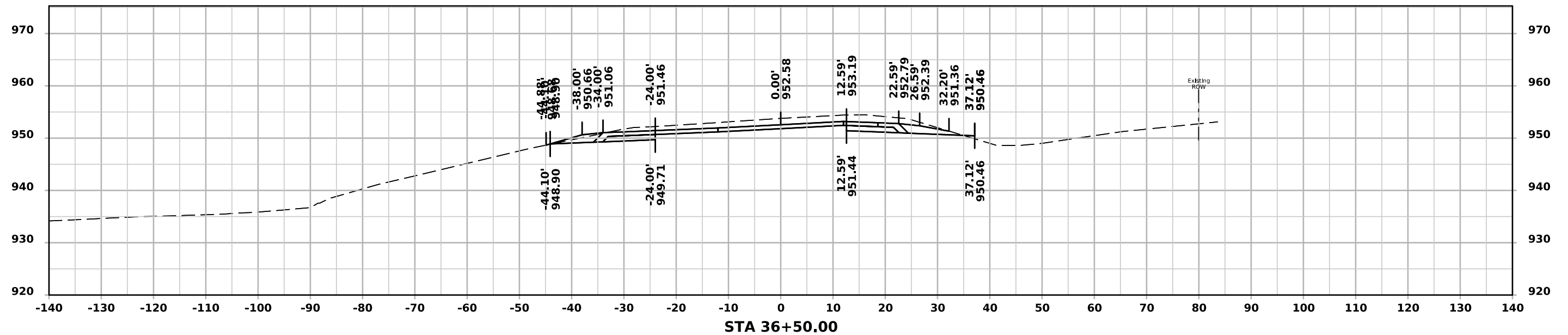
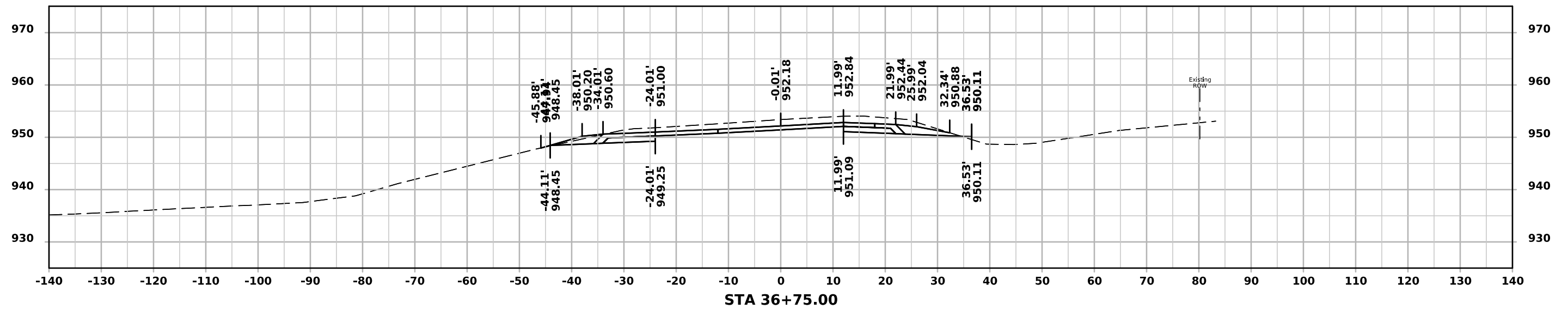
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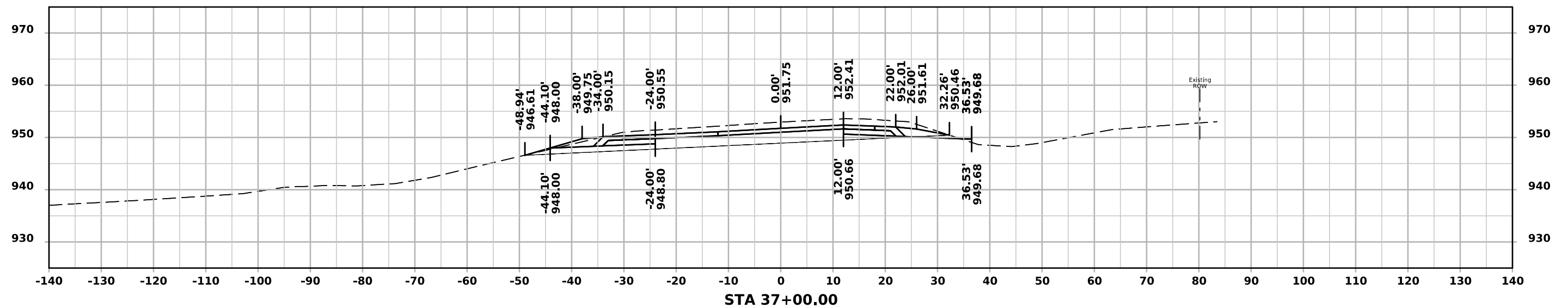
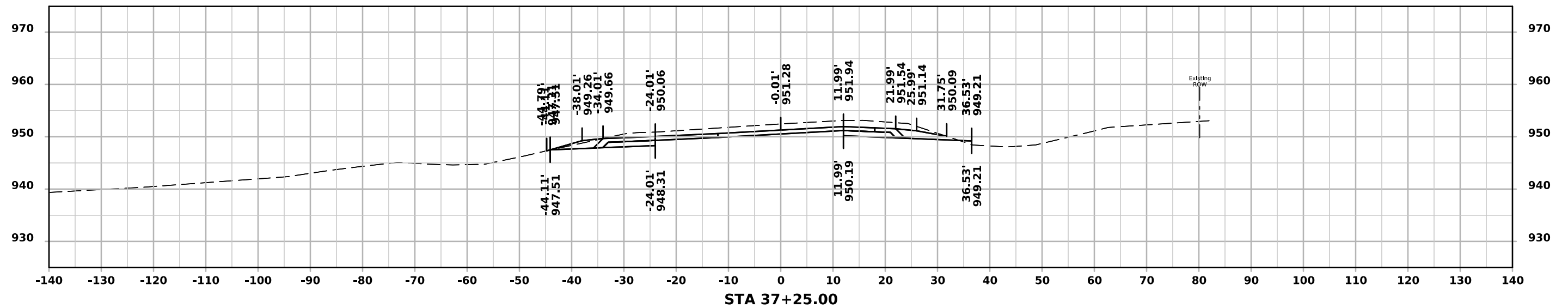


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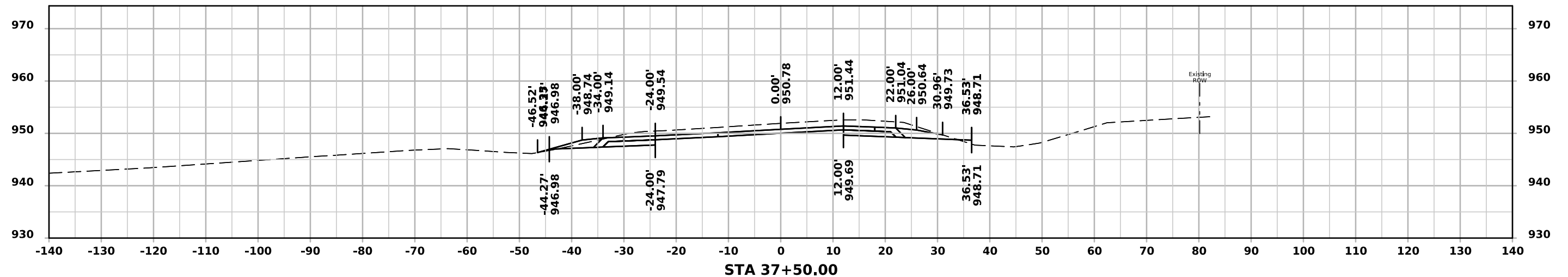
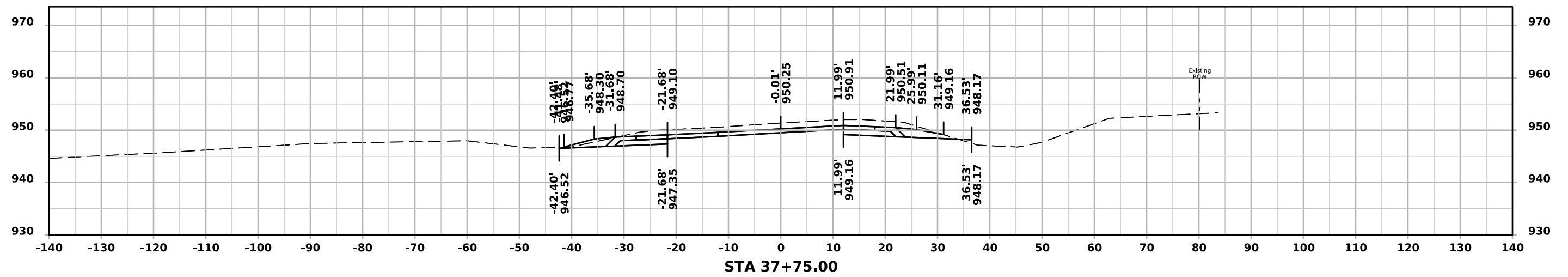
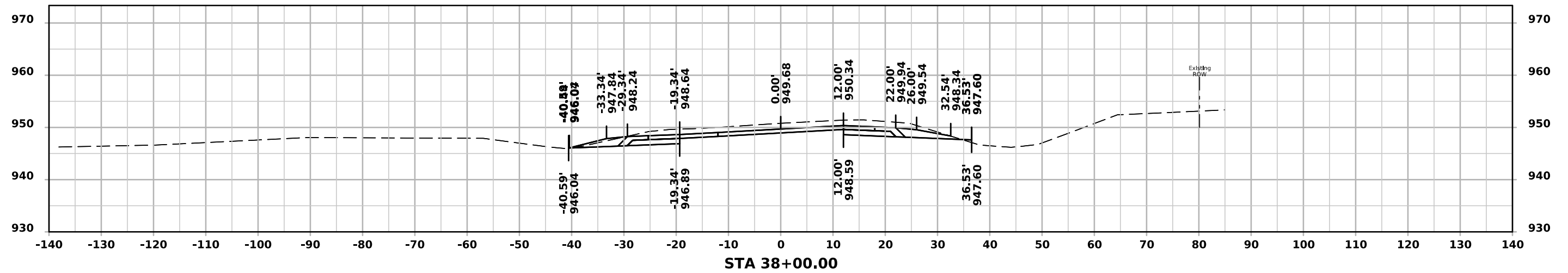




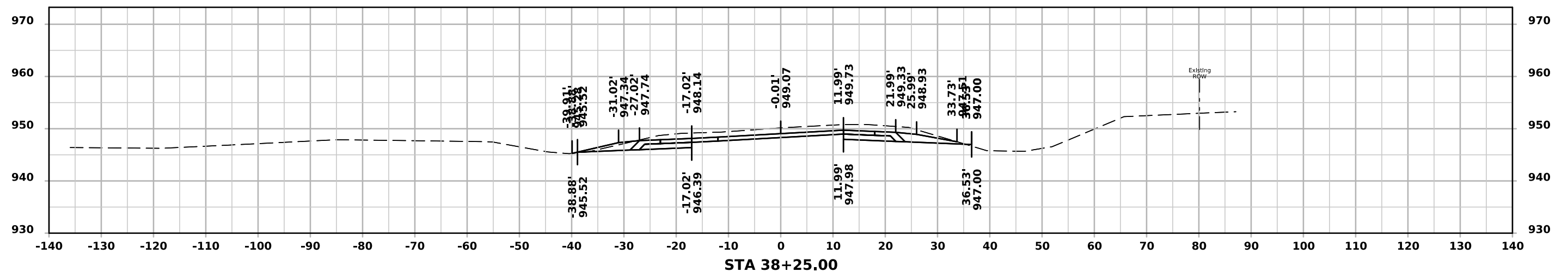
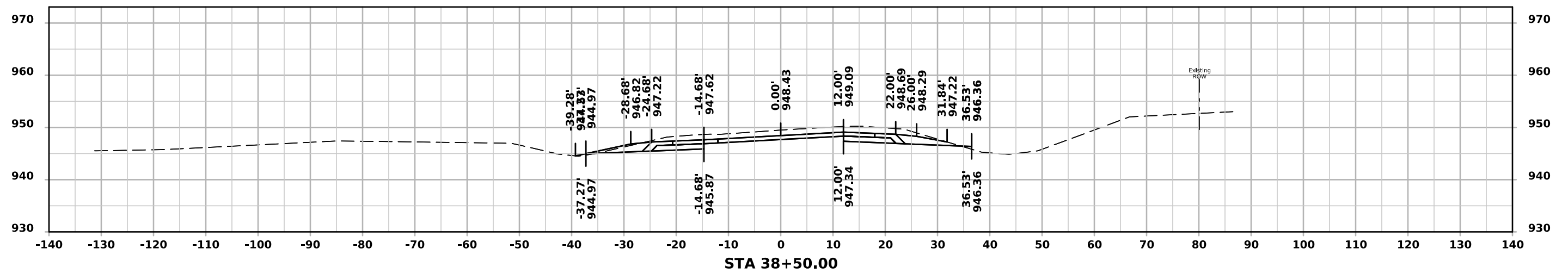
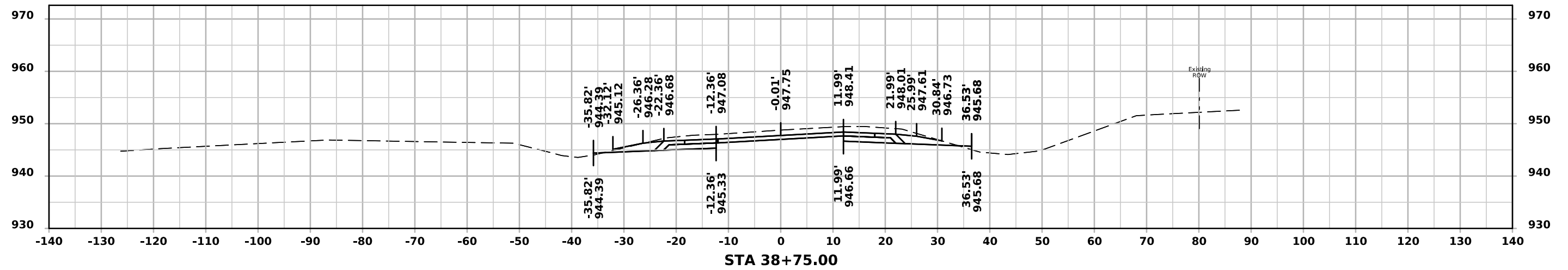




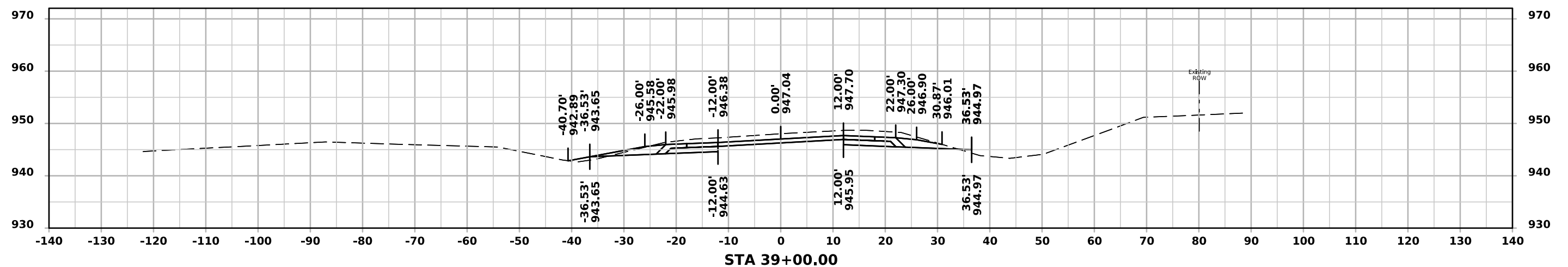
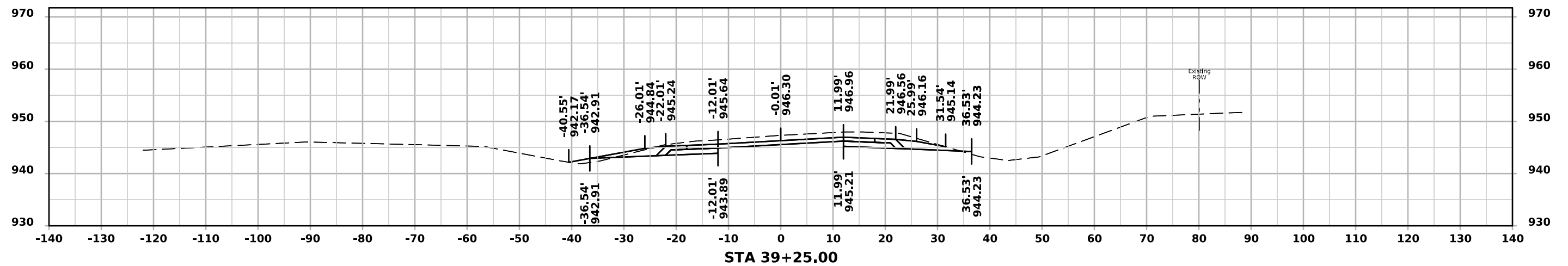
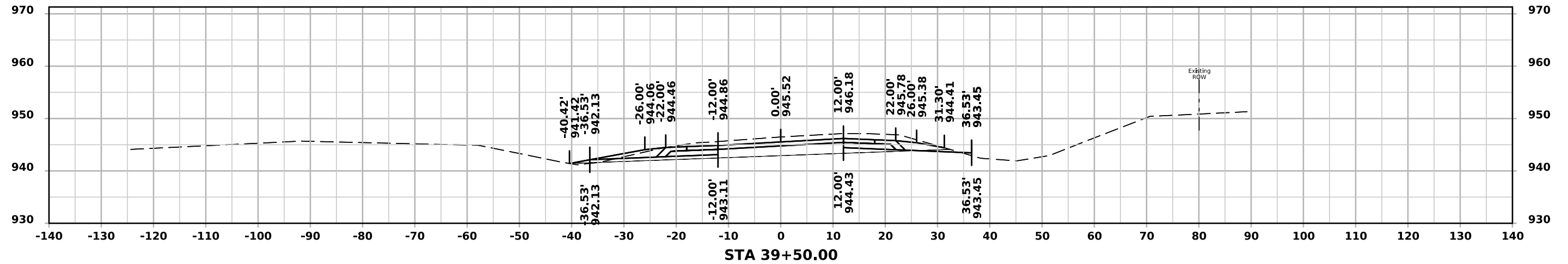
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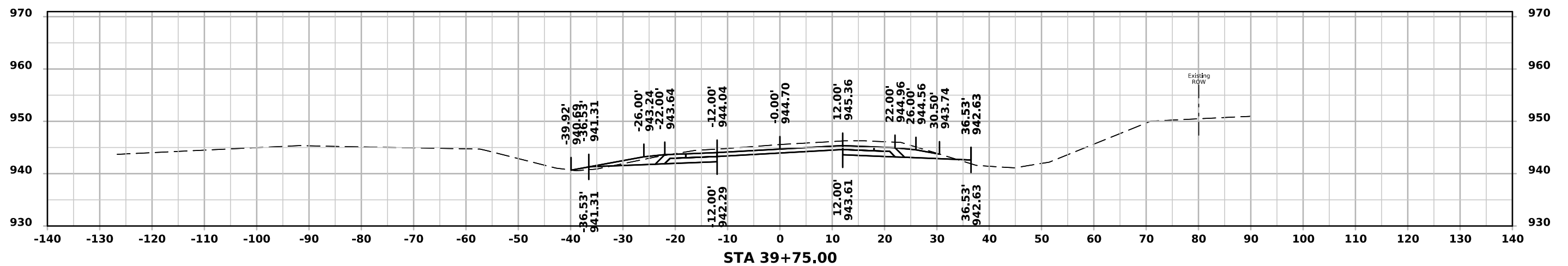
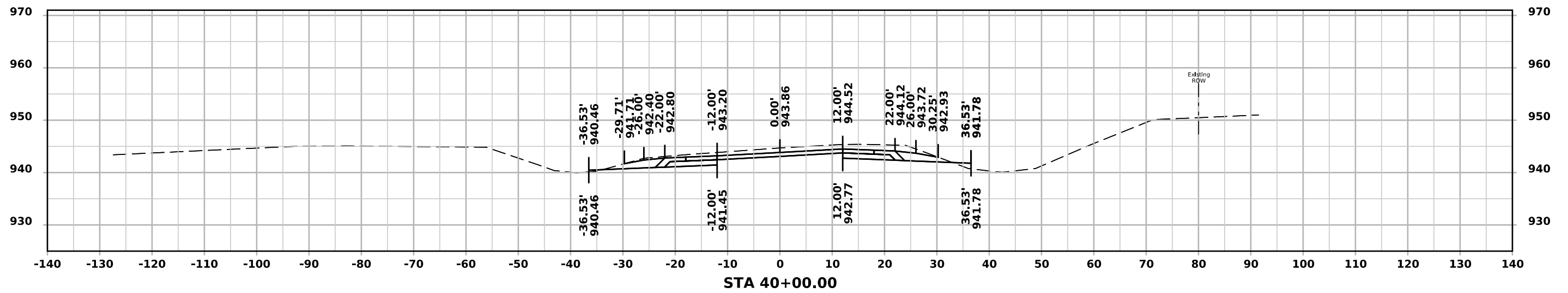
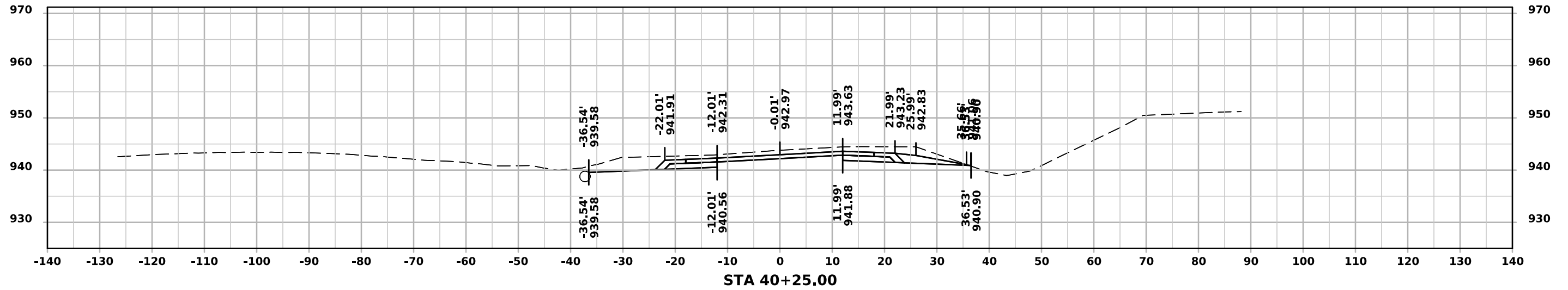
ML - IA 14



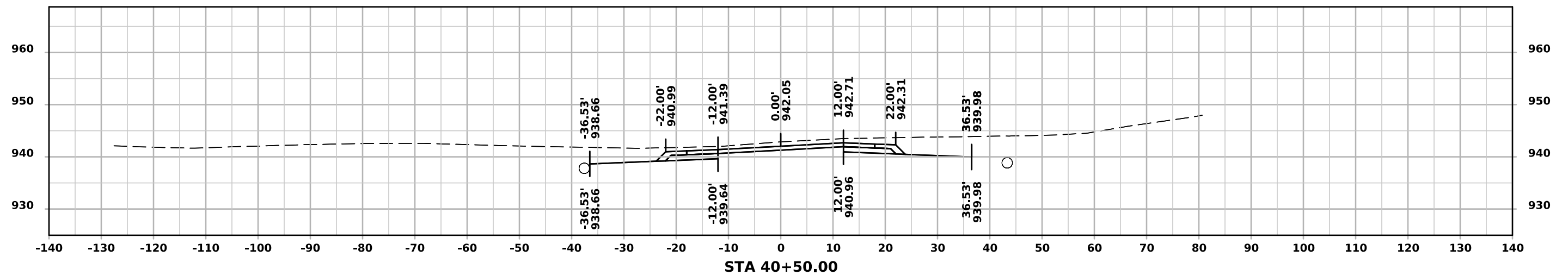
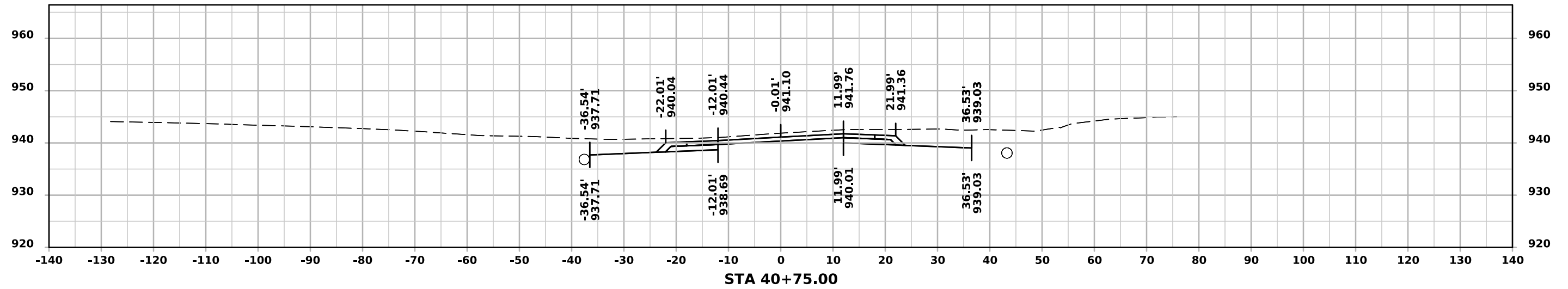
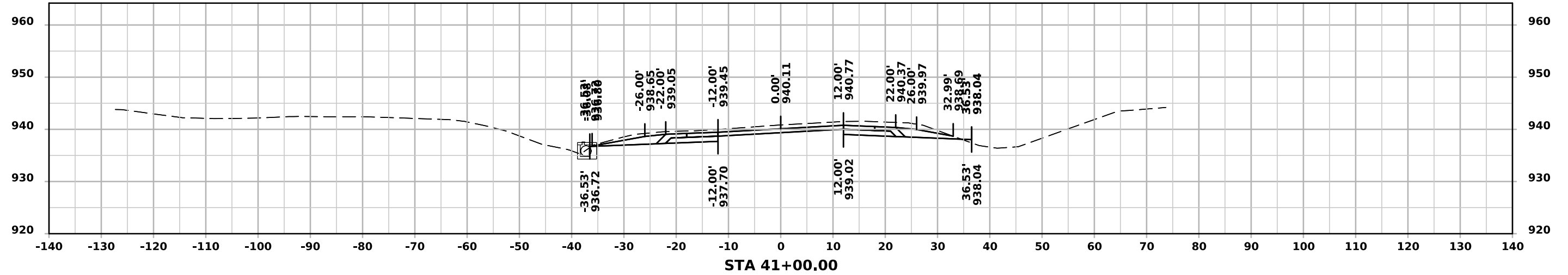
ML - IA 14



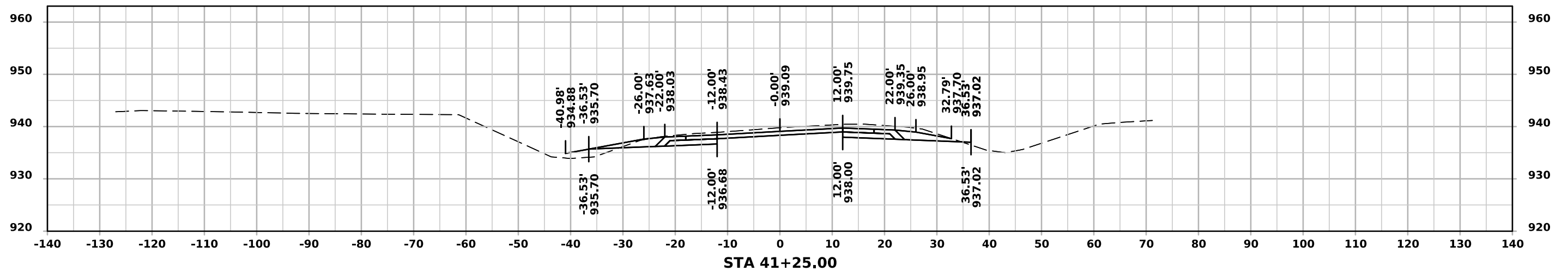
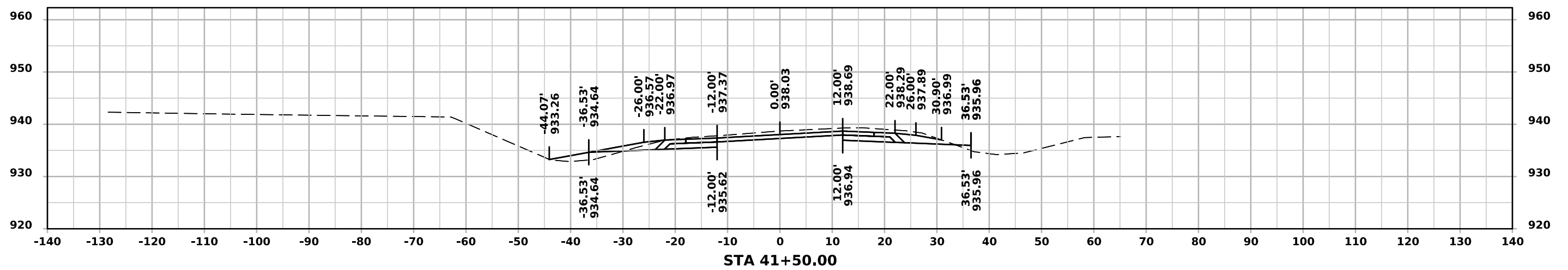
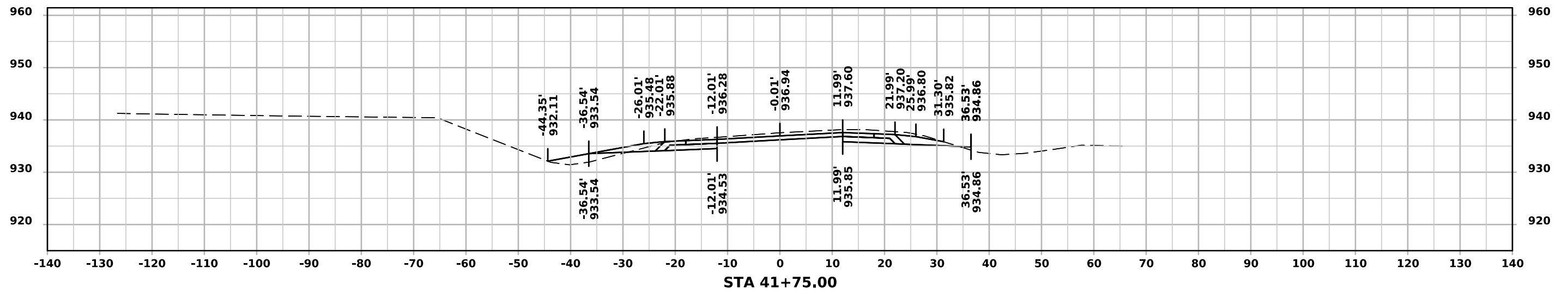
ML - IA 14



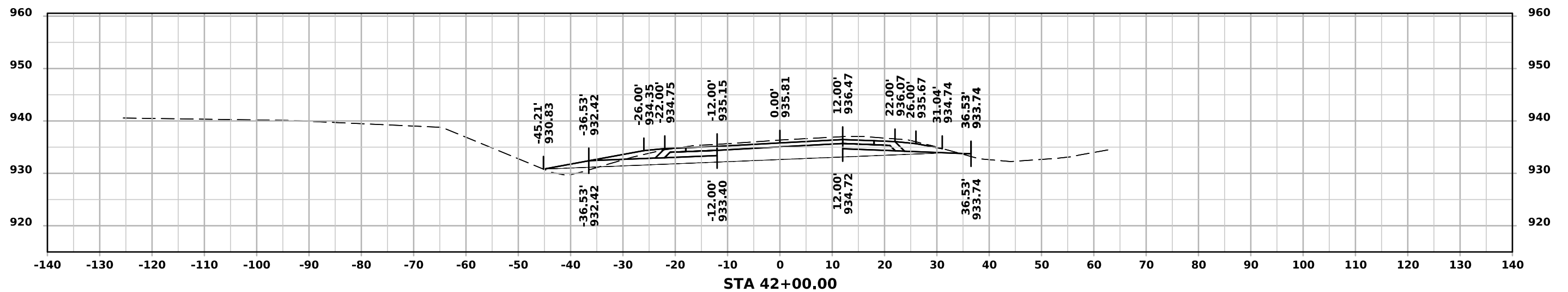
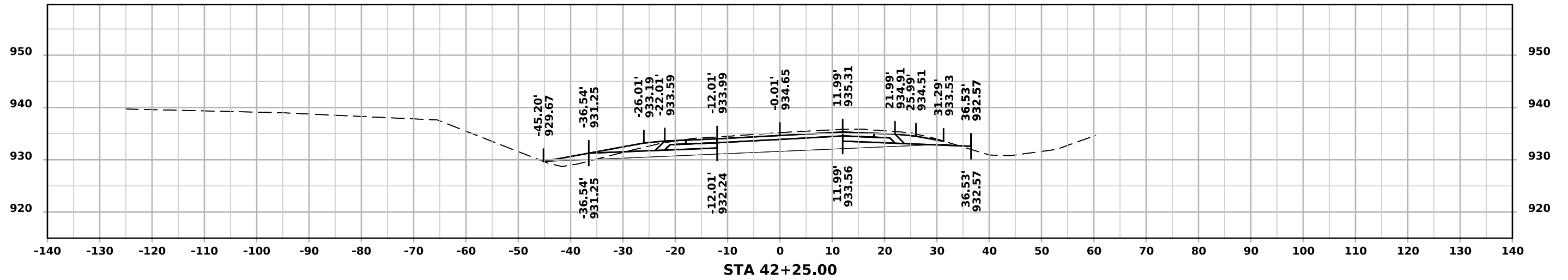
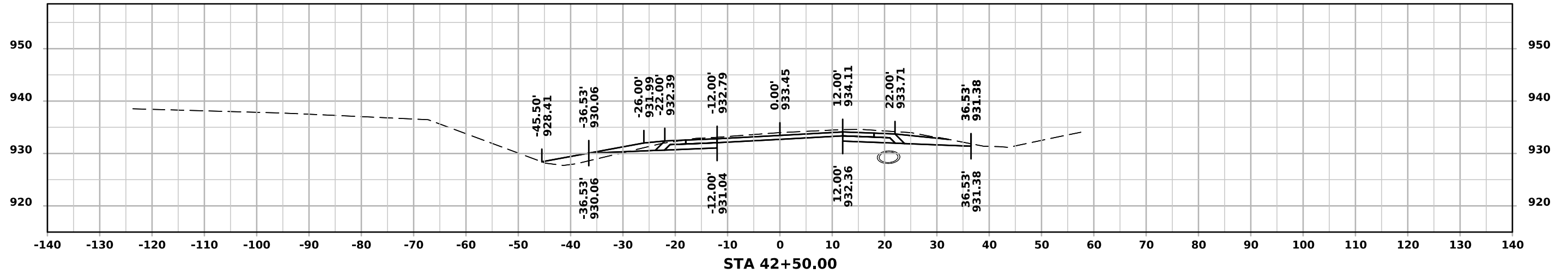
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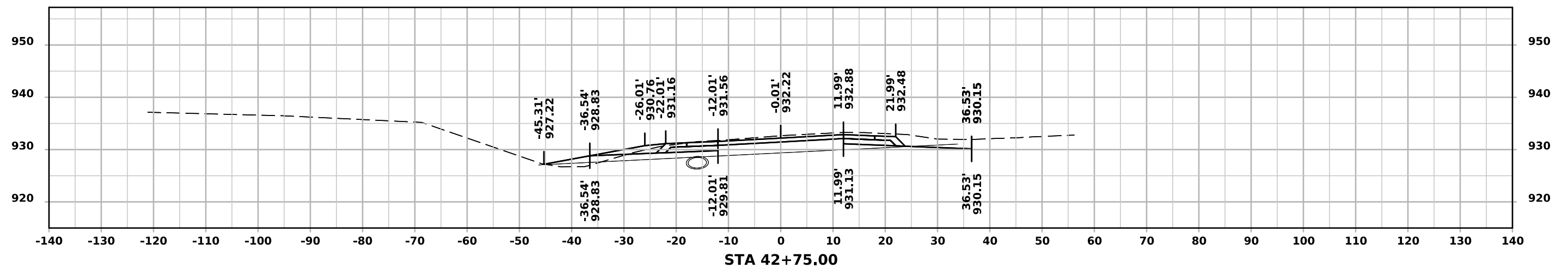
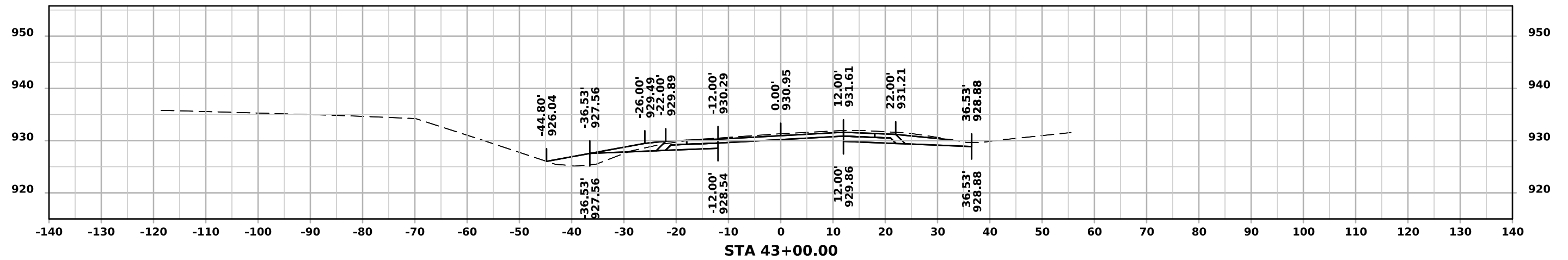
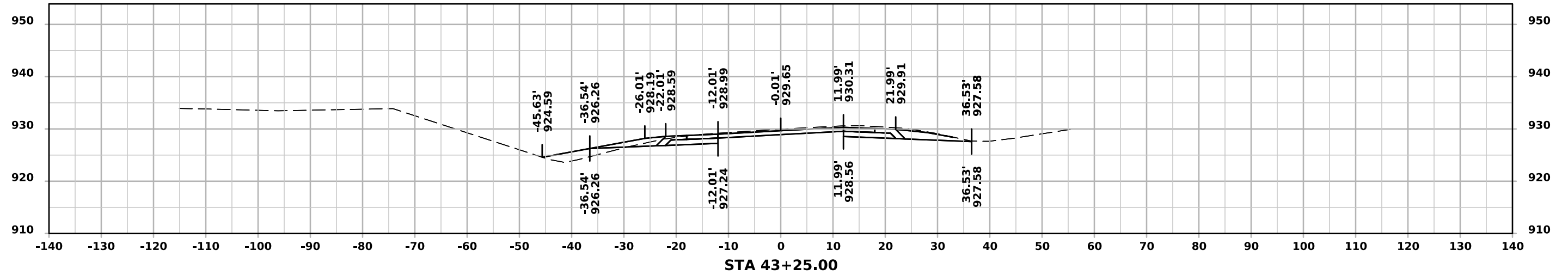
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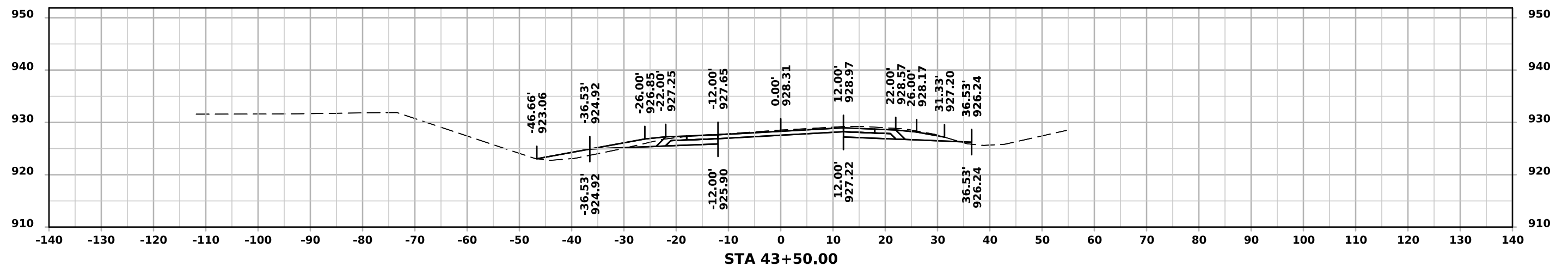
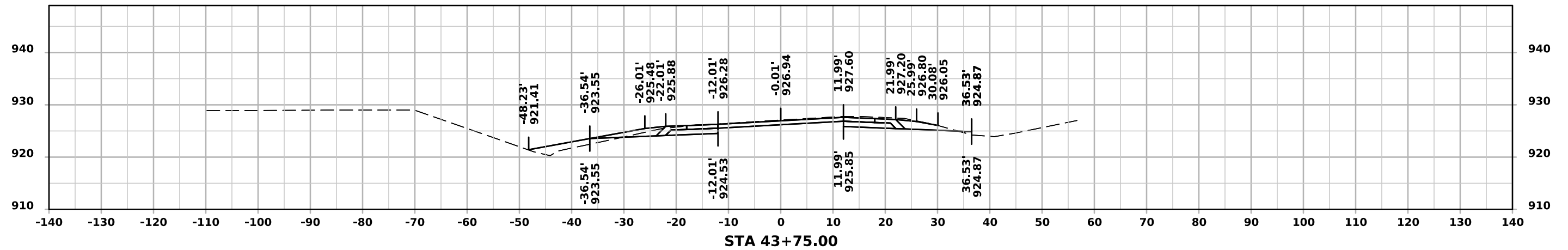
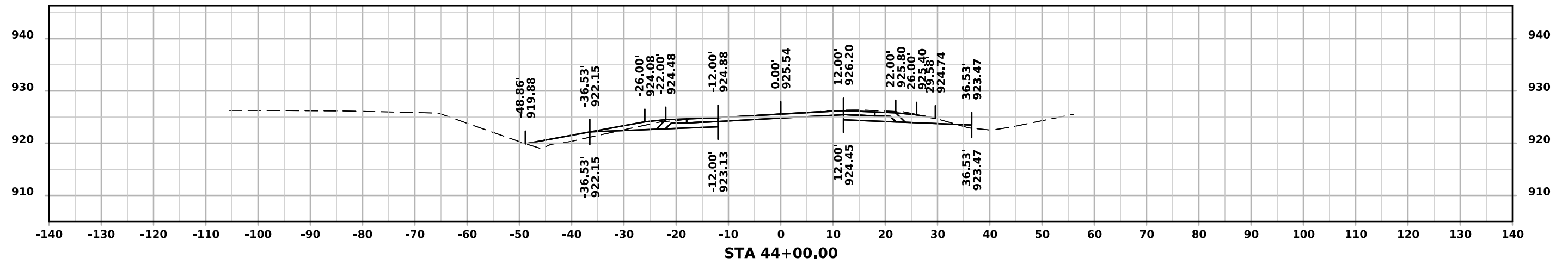
ML - IA 14



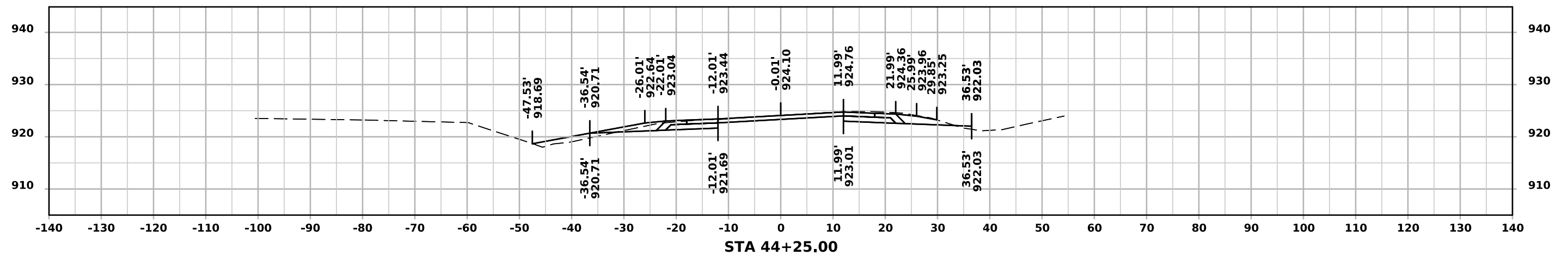
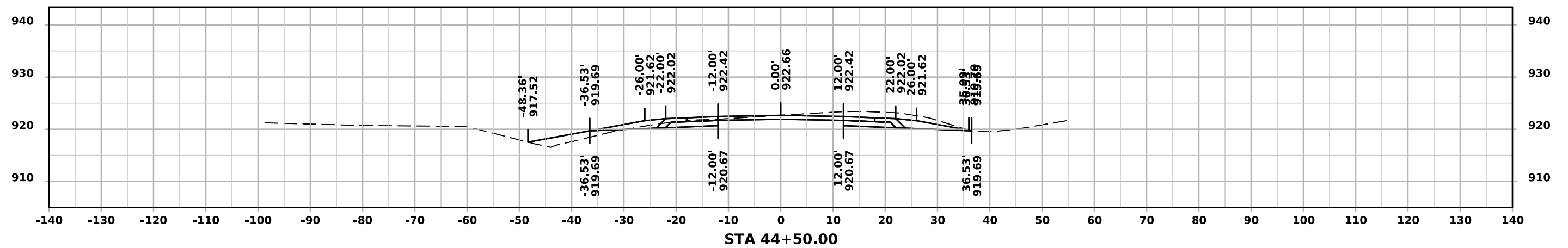
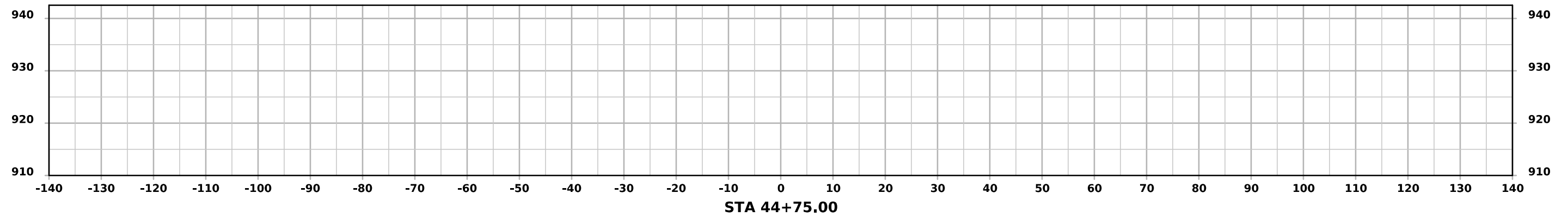
ML - IA 14



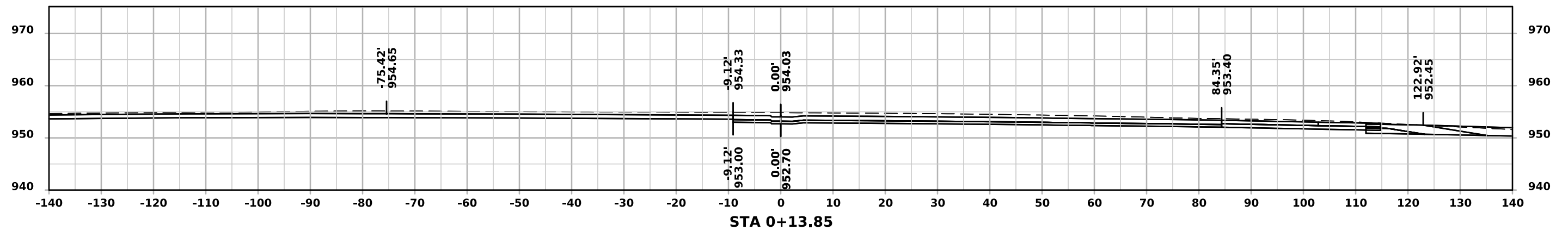
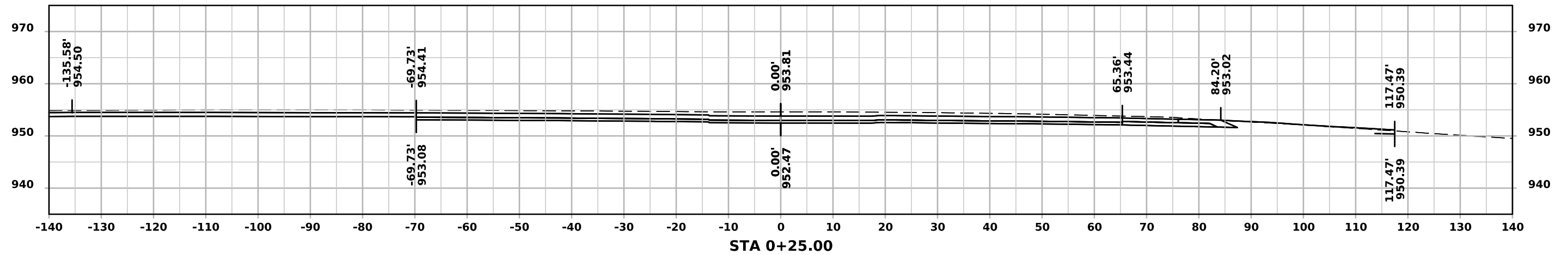
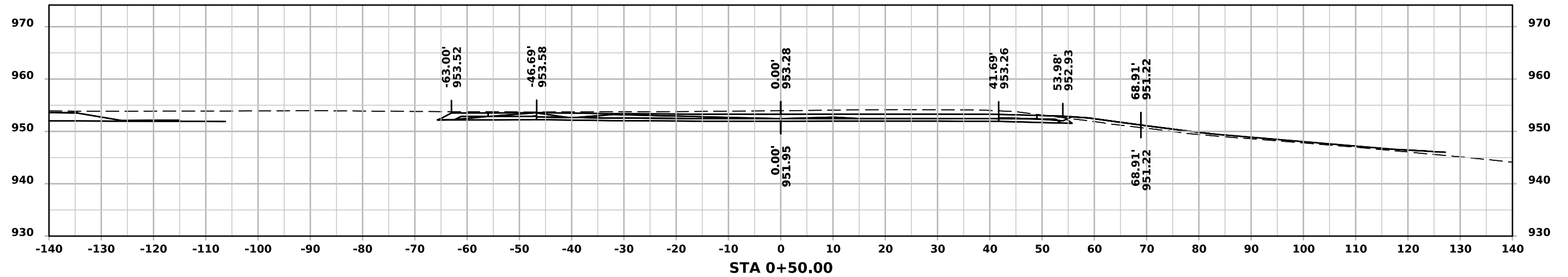
ML - IA 14



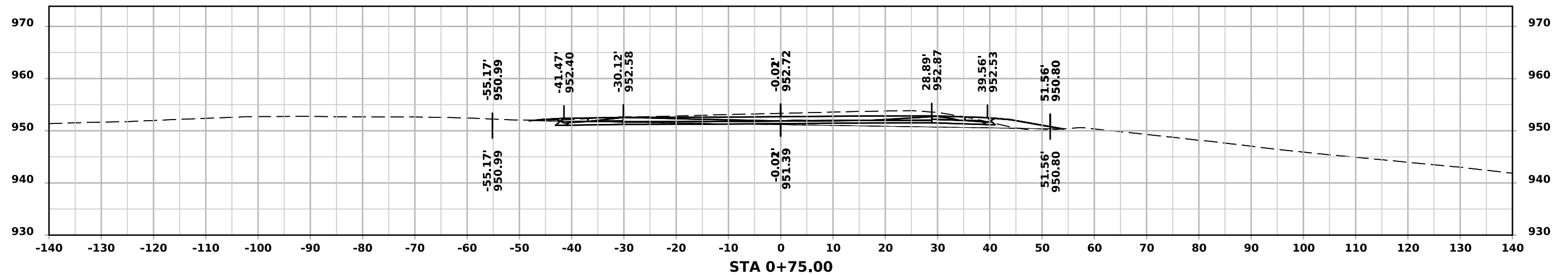
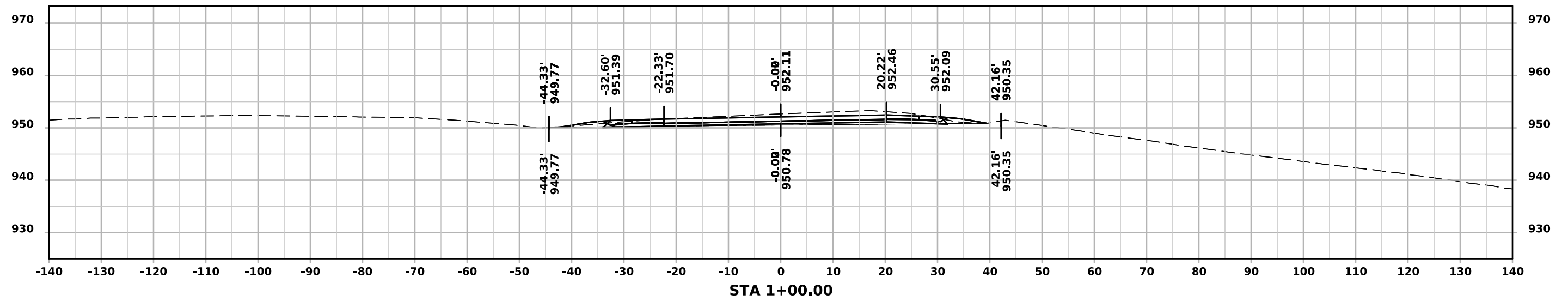
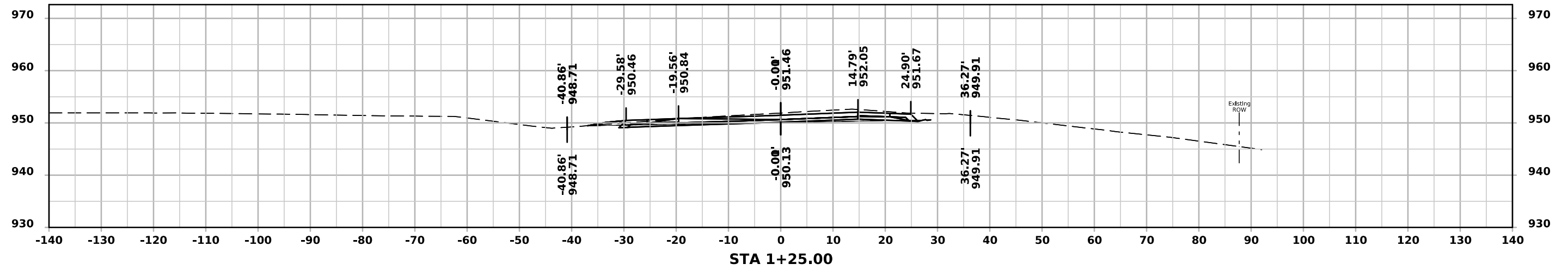
ML - IA 14



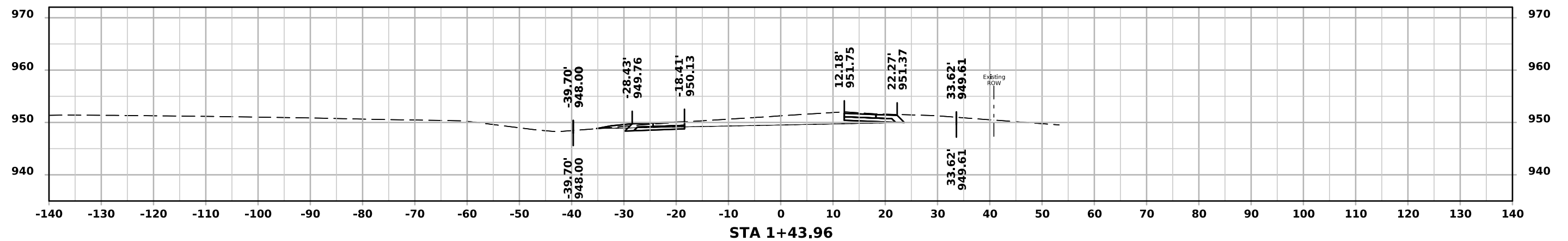
SR - N. 23rd Ave. W



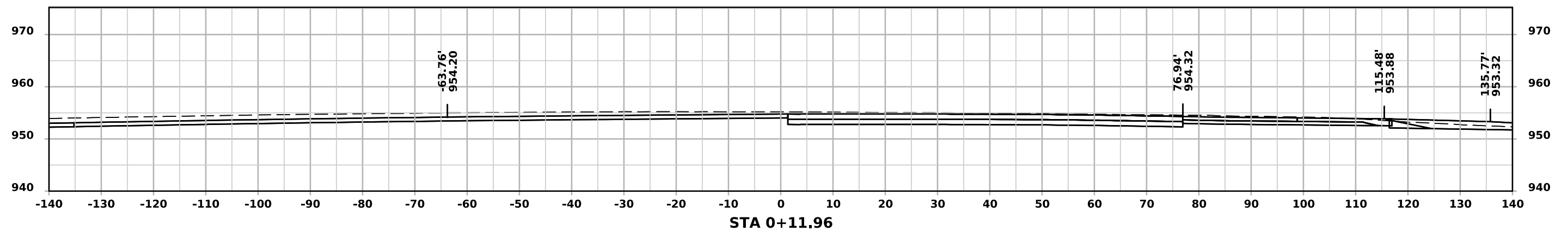
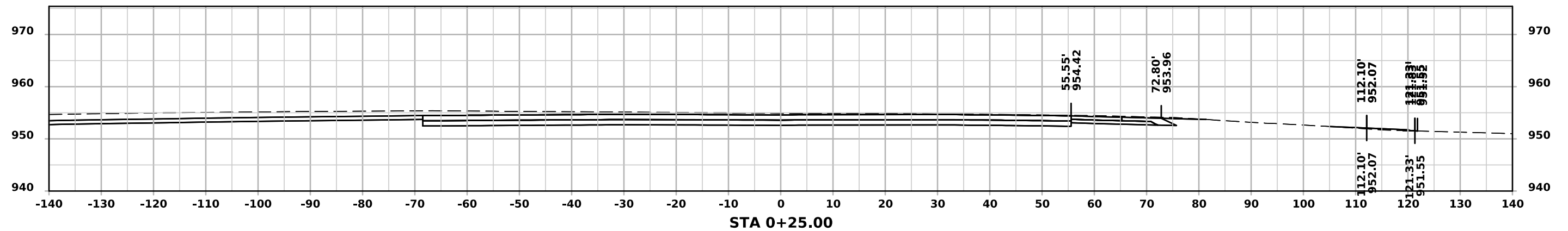
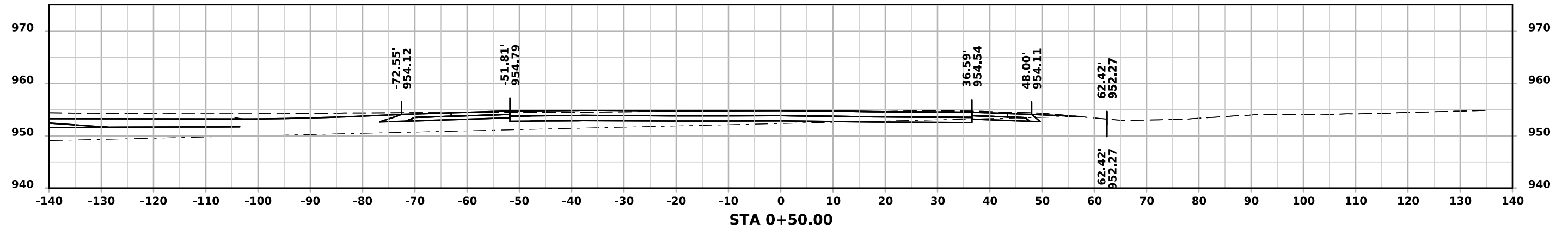
SR - N. 23rd Ave. W



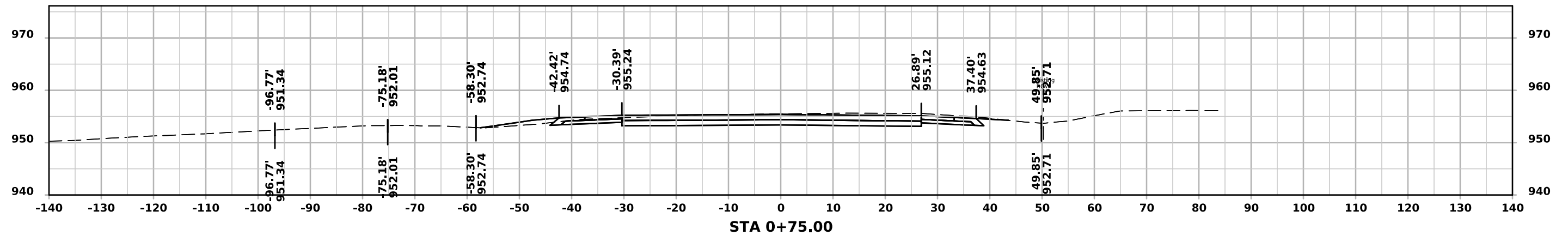
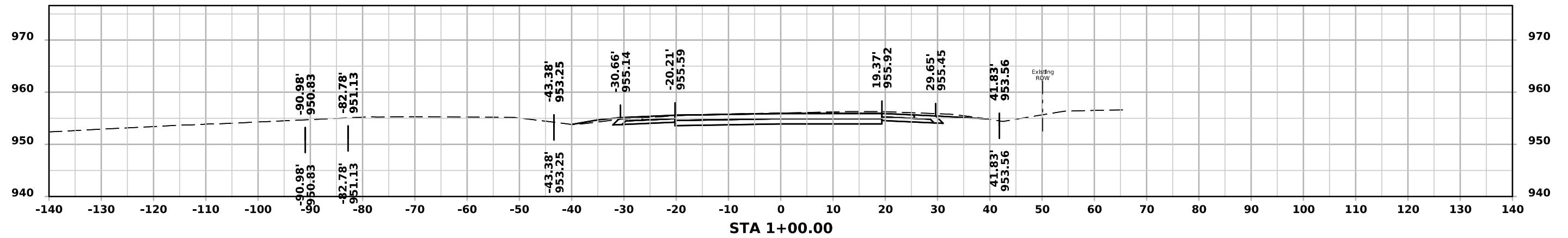
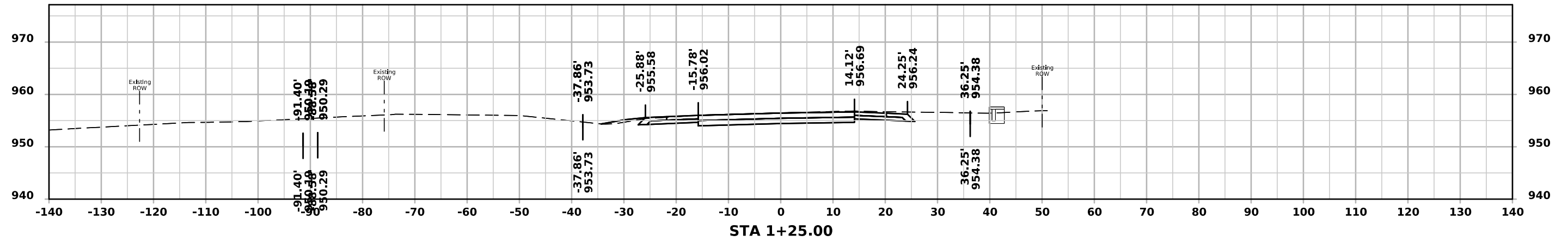
SR - N. 23rd Ave. W



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