

Black Hawk COUNTY HMA Resurfacing with Cold-In-Place Recycling/Paved Shoulder-New
 STP-218-7(249)--2C-07/HSIPX-218-7(250)--3L-07

LETTING DATE
 1/22/25



PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
Black Hawk COUNTY
 HMA Resurfacing with Cold-In-Place Recycling/Paved Shoulder-New
 Wolf Creek Bridge
 La Porte City to
 Marigold Dr, Waterloo
SCALES: As Noted

REVISIONS

TOTAL	--
PROJECT IDENTIFICATION NUMBER	23-07-218-050
PROJECT NUMBER	STP-218-7(249)--2C-07/HSIPX-218-7(250)--3L-07
R.O.W. PROJECT NUMBER	STPN-218-7(251)--2J-07
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Refer to the Proposal Form for list of applicable specifications.

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



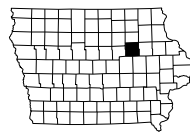
MILEAGE SUMMARY			105-1 09-27-94
Div.	Location	Lin. Ft.	Miles
	STA 78+16.0 to STA 106+17.3 STA EQ	2801.3	0.53
	STA 106+17.3 BK = STA 101+24.9 AH STA 101+24.9 to STA 181+69.3 STA EQ	8044.4	1.52
	STA 181+69.3 BK = STA 181+69.0 AH STA 181+69.0 to STA 244+57.9 STA EQ	6288.9	1.19
	STA 244+57.9 BK = 244+52.9 AH STA 244+52.9 to STA 383+40.5 STA EQ	13887.6	2.63
	STA 383+40.5 BK = STA383+45.1 AH STA 383+45.1 to STA 460+95.8 STA EQ	7750.7	1.47
	STA 460+95.8 BK = STA 461+00.1 AH STA 461+00.1 to STA 594+81.0	13380.9	2.53
	BRIDGES		
	STA 85+50.0	(80.0)	(0.02)
	STA 232+06.0	(140.0)	(0.03)
	STA 375+05.0	(180.0)	(0.03)
	STA 401+86.0	(80.0)	(0.02)
	STA 453+31.08	(80.0)	(0.02)
	STA 520+14.6	(90.0)	(0.02)
	TOTAL	51057.8	9.75

DESIGN DATA RURAL	
2025 AADT	4,600 V.P.D.
2045 AADT	5,300 V.P.D.
20 - DHV	-- V.P.H.
TRUCKS	5 %
Total Design ESALs	773,000

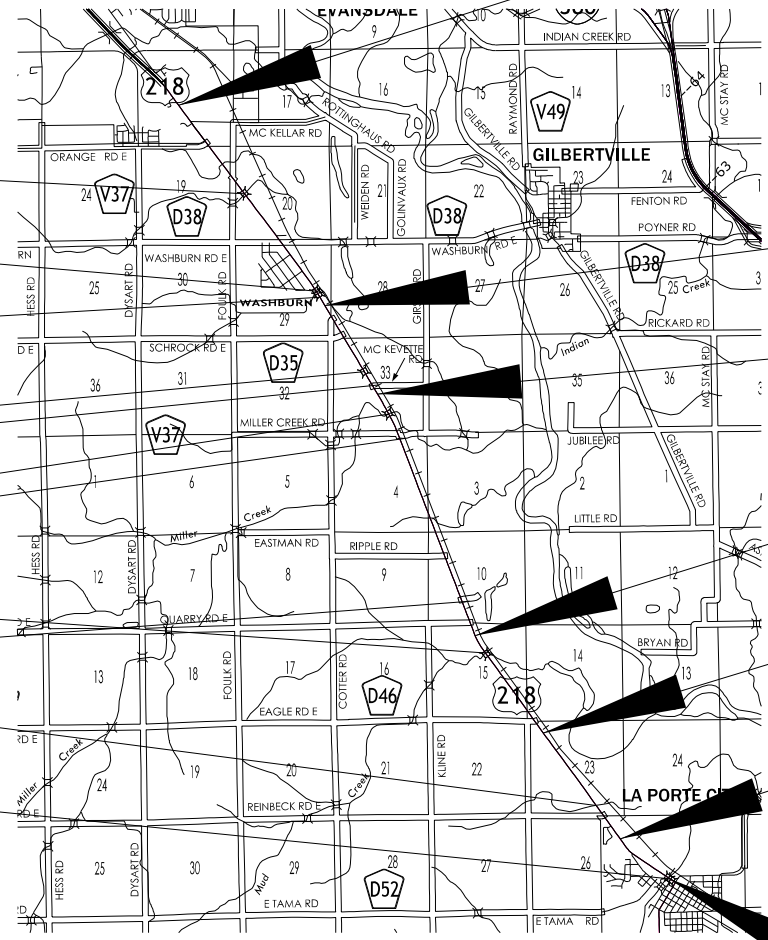
PRELIMINARY PLANS

Subject to change by final design.

D5 REVISION: 9/26/24



END CONSTRUCTION
STA 594+81



T-88N

T-87N

R-13W

R-12W

BEGIN CONSTRUCTION
STA 78+16

FHWA 775.6S218
STA 520+14.6

FHWA 774.3S218
STA 453+31.1

FHWA 774.1S218
STA 445+00.0

FHWA 773.3S218
401+86.0

FHWA 772.9S218
375+05.0

FHWA 770.1S218
232+06.0
Currently in construction

FHWA 767.3S218
85+50.0
Work in 2026

FHWA 767.1S218
STA 76+75.0
Outside project limits

STA EQ
460+95.8 BK=
461+00.1 AH

STA EQ
383+40.5 BK=
383+45.1 AH

STA EQ
244+57.9 BK=
244+52.9 AH

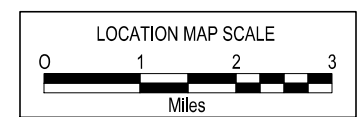
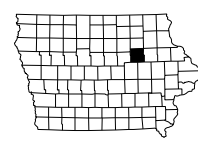
STA EQ
181+69.3 BK=
181+69.0 AH

STA EQ
106+17.3 BK=
101+24.9 AH

FRA #607556X

FRA #607554J

FRA #607549M



SURVEY SYMBOLS

<ul style="list-style-type: none"> BBB, Bottom of Bridge Beam BCL, Bridge Centerline BD, Bridge Deck BIN, Grain Bin BL, Topo Breakline BLD, Building or Foundation BLS, Bridge Low Steel BM, Bench Mark BNK, Stream Bank BRG, Bridge C, Centerline BL of Road -ML or SR CAV, Cave CEL, Cell Phone Tower CIS, Cistern CON, Concrete or A/C Slab CP, Control Point CRP, Corporation Line CS, Curve Point CU, Back of Curb CUL, Culvert D, Centerline Draw or Stream -Down DAB, Drainage Area Boundary DIK, Centerline of Dike or Dam DTM, Photogrammetry Elv Control Check DU, Centerline Draw or Stream -Up EB, Electrical Box EG, Edge of Gravel Road ENP, Edge Paved Entrance and Park Lot ENT, Centerline BL of Entrance ENU, Edge Unpaved Entrance and Parking EP, Edge of Paved Roads -ML or SR EW, Edge of Water FCL, Chain Link and Security Fence FENO, FENO Monument FHD, Fire Hydrants FLG, Flag Poles FP, Filler Pipe FW, Wire Fence FWD, Wood Fence GDC, Guard Rail Cable GDL, Guard Rail Steel GP, Guard Post -Less Than 4 Posts GPR, Guard Post -4 or More Posts GR, Ground Shot GRV, Grave GU, Gutter In Front of Curb GV, Gas Valve HDG, Hedge Row HS, Hydric Soil -Wetlands HT, Electrical Highline Tower IN, Storm Sewer Intake INB, Storm Sewer Beehive Intake LC, Lot Corner LIN, Miscellaneous Line LP, L.P. Tank LUM, Luminaire MH, Utility Access -Manhole MIS, Miscellaneous MM, Mile Marker Post OUT, Tile Outlet PC, Curve Point PCP, Photo Control Point PCT, Photo Control Target PI, Tangent Point PIP, Pipe Culvert PL, Location of Photo -Wetlands PLG, Location of General Photo POC, Curve Point POST, Spiral Point 	<ul style="list-style-type: none"> PR, Electric Riser Pole PRO, Profile Shot PT, Curve Point REF, Reference Tie Point RET, Retaining Walls RIP, Rip-Rap ROC, Rock Outcropping ROW, Right of Way Mark RR, Centerline of Railroad Tracks RRB, Railroad Signal Box RRF, Railroad Frog RRR, Railroad Rail RRS, Railroad Signal RRW, Railroad Switch RT, Radio Tower S, Soil Sampling Site -Wetlands SBR, Size of Bridge SC, Spiral Point SCR, Section Corner SEP, Septic Tank SF, Silt Fence -Wetlands SG, Staff Gauge -Wetlands SH, Paved Shoulder SHR, Shrub SI, Sign SL, Speed Limit Sign SLN, Section Line SLO, Silo SNK, Sink Hole SNP, Unpaved Shoulder SP, Stream Profile STP, Stump SWK, Sidewalk SWP, Swamp or Marsh TA, Tower Anchor TBD, Telephone Booth TCB, Traffic Signal Box TDC, Tree Deciduous TDL, Traffic Detection Loop TER, Terrace TEV, Evergreen Tree TFR, Tree Fruit TGP, Telegraph Pole TIL, Tile Line TLNL, Tree Line Left TLNR, Tree Line Right TOP, Top of Bridge Pier TPA, Telephone Pole Co. 1 TPB, Telephone Pole Co. 2 TPC, Telephone Pole Co. 3 TR, Telephone Riser Pole TRL, Trail TS, Spiral Point TSB, Telephone Switch Box TSG, Traffic Signal TSL, Traffic Signal and Luminare TV, Satellite TV Dish TVP, TV Pedestal TW, Top of Water UB, Utility Box UE, Utility Elevation UPH, Utility Pot Hole - Quality A UST, Underground Tank UV, Underground Utility Vault VS, Channel Cross Section WC, Wild Card -Misc. Field Shot WEL, Well WHD, Water Hydrant WHU, RV Water Hook Up WM, Wind Mill WND, Wind Turbine WV, Water Valve
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SURVEYED UTILITY OWNER SYMBOLS

Sub-Surface Utility Mapping Quality Level is in accordance with C/ASCE 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.

Remark Abbreviations

QLA Quality Level A Highest guideline quality level
 QLD Quality Level D Lowest guideline quality level

— E1	EL1D, MIDAMERICAN ENERGY - Quality D
— F0	FO1D, MIDAMERICAN ENERGY - Quality D
— F02	FO2D, MEDIACOM - Quality D
— F03	FO3D, CENTURYLINK (LUMEN) - Quality D
— F04	FO4D, AUREON NETWORK SERVICES (prev. INS) - Quality D
— F05	FO5D, ICN / IOWA COMMUNICATIONS NETWORK - Quality D
— F06	FO6D, METRONET - Quality D
— G	GL1D, NORTHERN NATURAL GAS (PIPELINE) - Quality D
— G2	GL2D, MIDAMERICAN ENERGY - Quality D
— SAN	SA1D, CITY OF WATERLOO - Quality D
— ST S	ST1D, CITY OF WATERLOO - Quality D
— T1	TL1D, CENTURYLINK (LUMEN) - Quality D
— TV	TV1D, MEDIACOM - Quality D
— W	WL1D, WATERLOO WATER WORKS - Quality D
— PPA	PPA, MIDAMERICAN ENERGY

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 50%
Yellow	(4)		Proposed Pavement Shading 50%
Orange	(6)		Proposed Granular Shading 50%
Orange	(70)		Proposed Shoulder Granular Shading 50%
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading 50%
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading 50%
Brown, Light	(236)		Grading Shading 50%
Orange, Light	(134)		Proposed Granular Entrance Shading 50%
Yellow	(220)		Proposed Paved Entrance Shading 50%
Tan	(8)		Proposed Sidewalk Shading 50%
Blue, Light	(230)		Proposed Sidewalk Landing Shading 50%
Pink	(11)		Proposed Sidewalk Ramp Shading 50%
Red	(3)		Proposed Structure Shading 50%
Red	(3)		Delineates Restricted Areas 0%

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

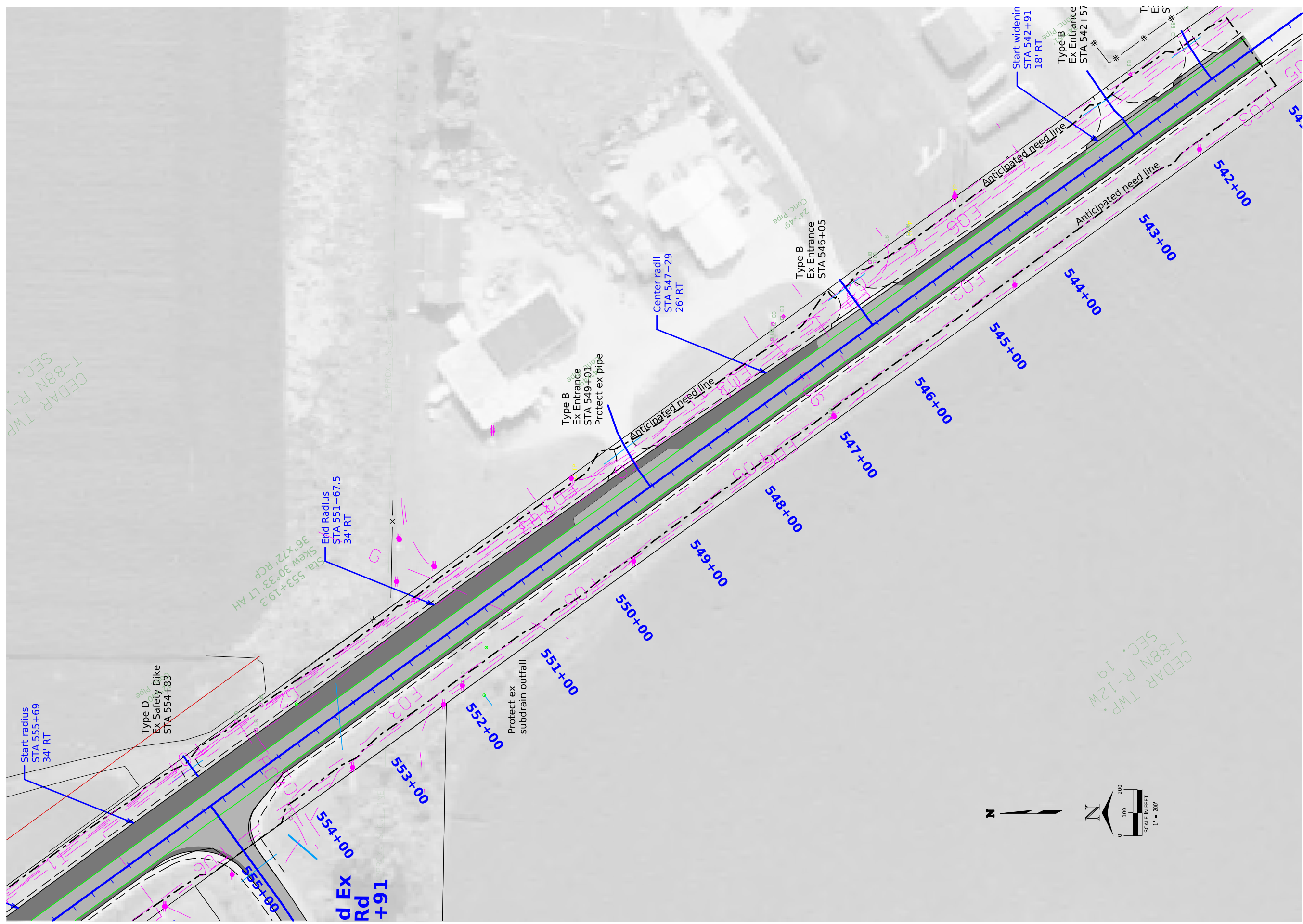
Reference Point	
	Station
	Section Corner
	Ground Line Intercept
	Saw Cut
	Guardrail
	Trench Drain
	HighTension Cable Guardrail
	Sheet Pile
	Pavement Removal
	Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

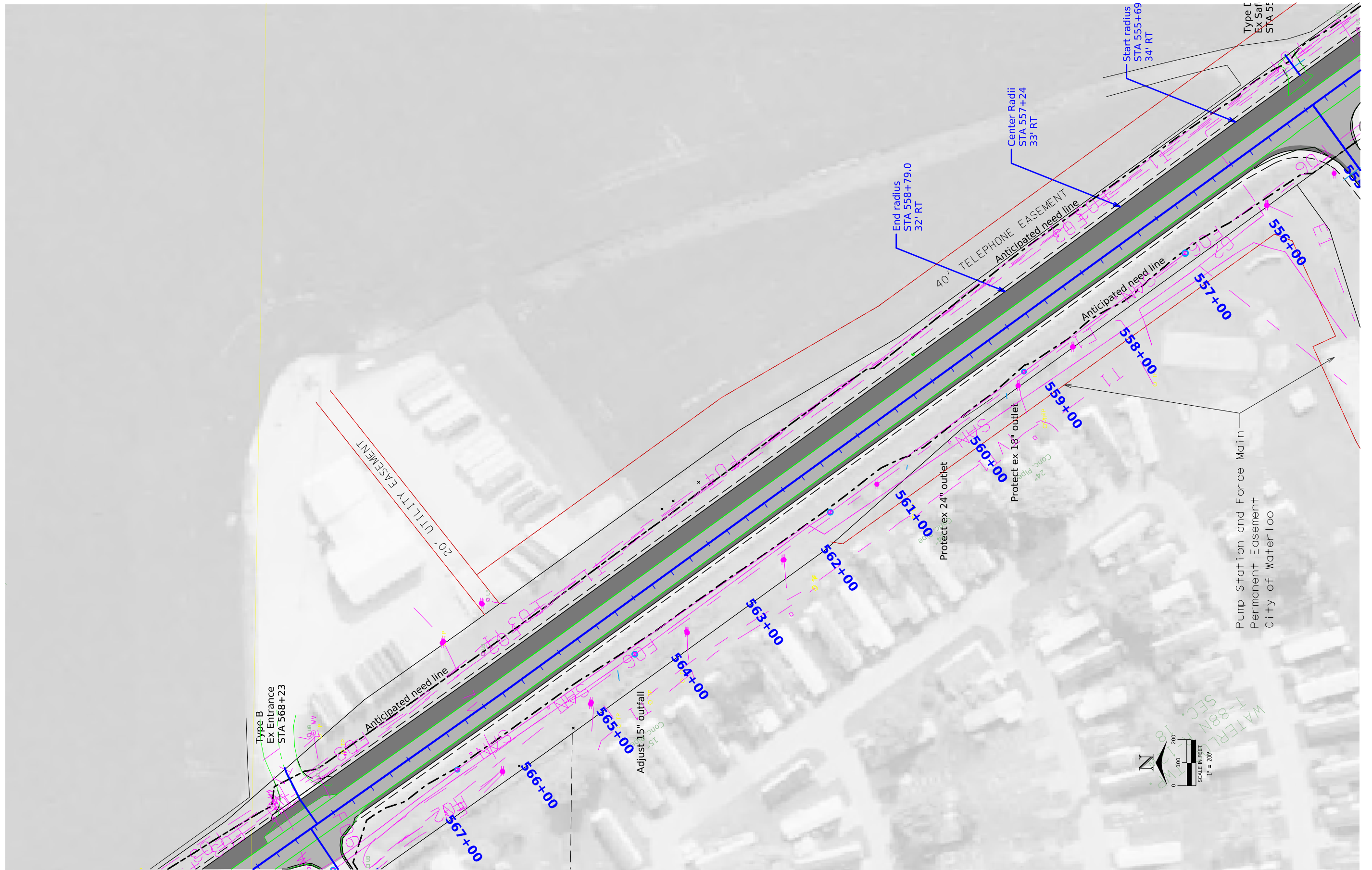
	Proposed Right-of-Way Symbol
	Proposed Right-of-Way Line
	Existing Right of Way
	Existing and Proposed Right-of-Way
	Easement and Existing Right-of-Way
	Easement (Temporary) Symbol
	Easement (Temporary) Line
	Easement
	C/A Access Control
	Property Line Symbol
	Property Line

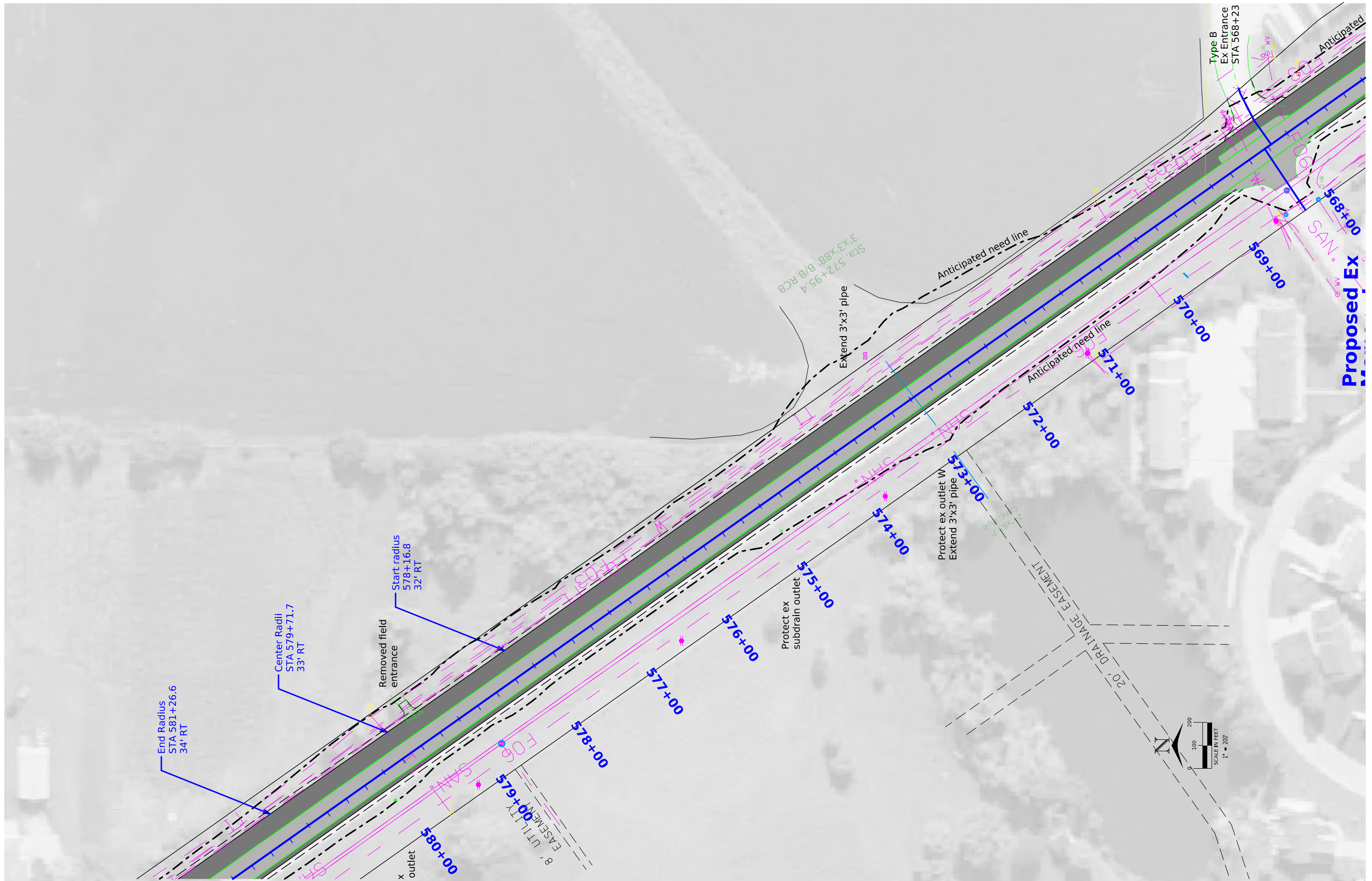
PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

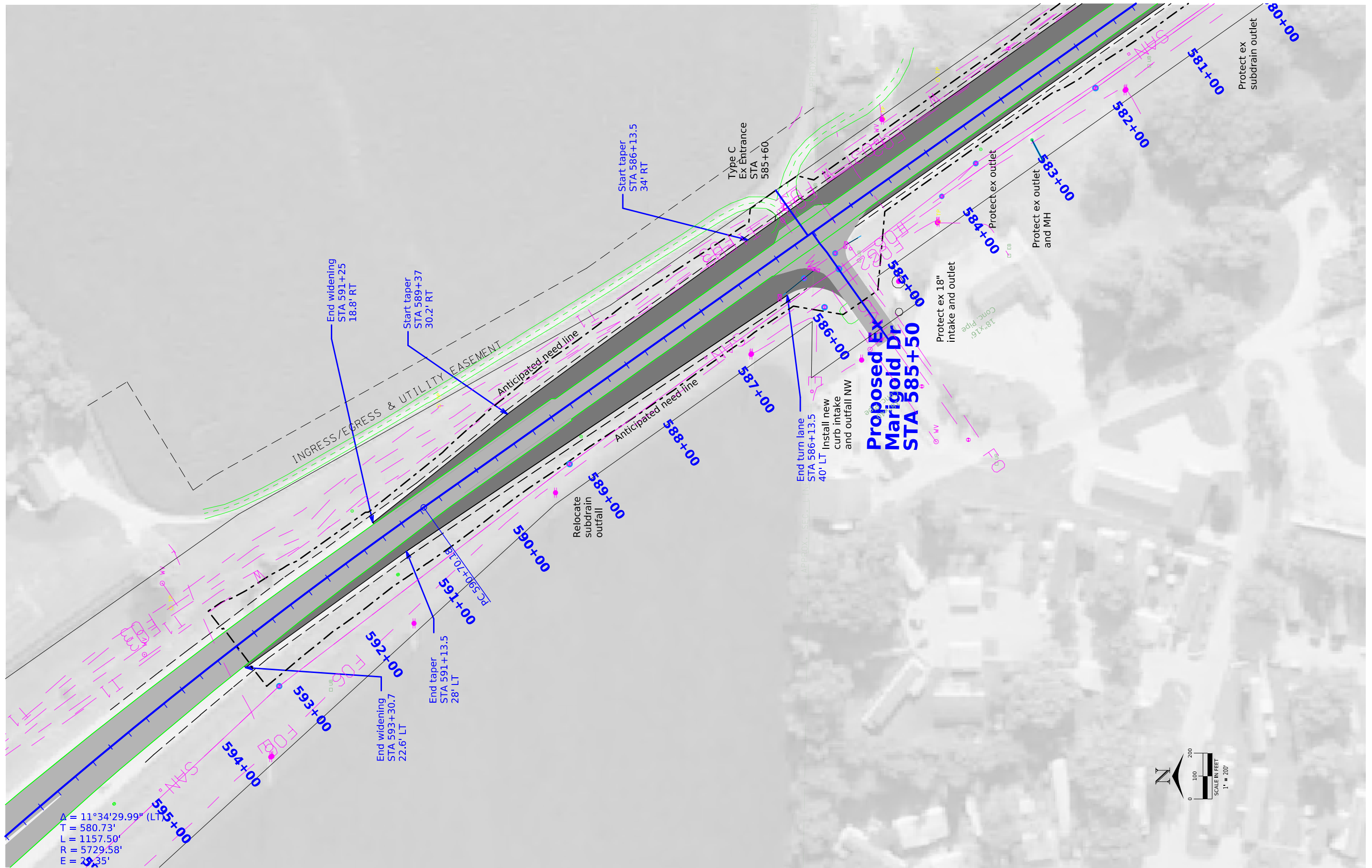
(COVERS SHEET SERIES D, E, F, & K)



d Ex Rd +91

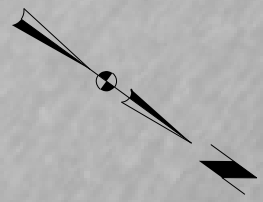






CEDAR TWP.
T-88N R-12W
SEC. 19

WILLIAM D YOUNGBLUT TRUST

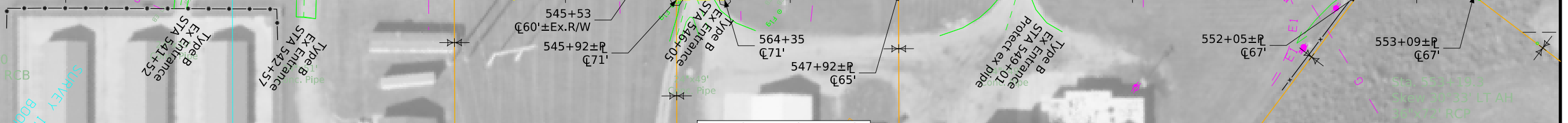
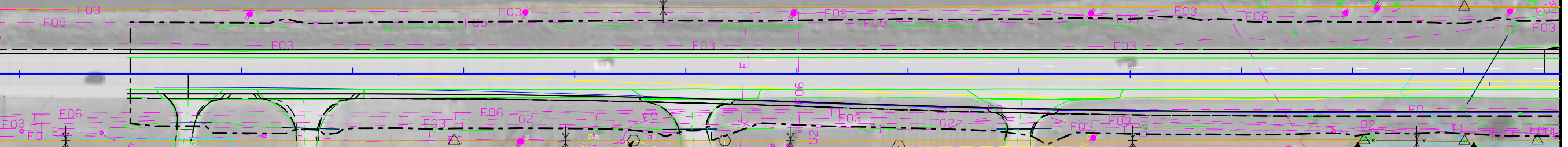


540+00

545+00

550+00

Project ex
subdrain outfall



TEMPORARY EASEMENT
TO SHAPE

TEMPORARY EASEMENT
TO CONSTRUCT ENTRANCE

TEMPORARY EASEMENT
TO SHAPE & CONST ENT

3U
IOWA PUBLIC
SERVICE CO

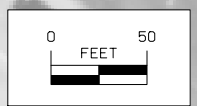
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DENNIS P
STAEHELL TRUST

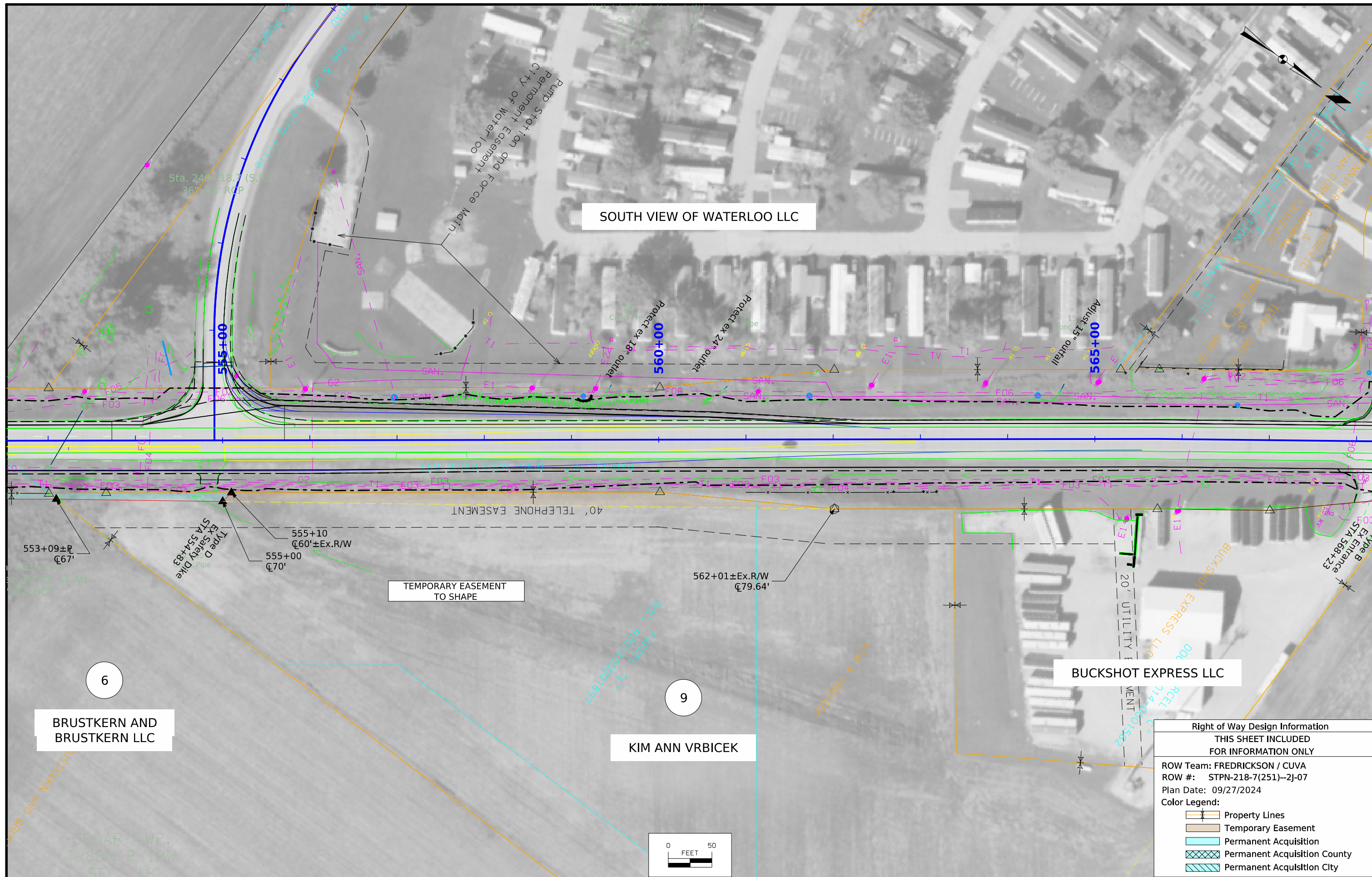
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HAYCRAFT CABINETS

BRUSTKERN AND BRUSTKERN LLC

6

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: FREDRICKSON / CUVA	
ROW #: STPN-218-7(251)--2J-07	
Plan Date: 09/27/2024	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition
	Permanent Acquisition County
	Permanent Acquisition City





SOUTH VIEW OF WATERLOO LLC

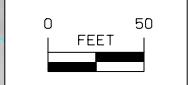
BUCKSHOT EXPRESS LLC

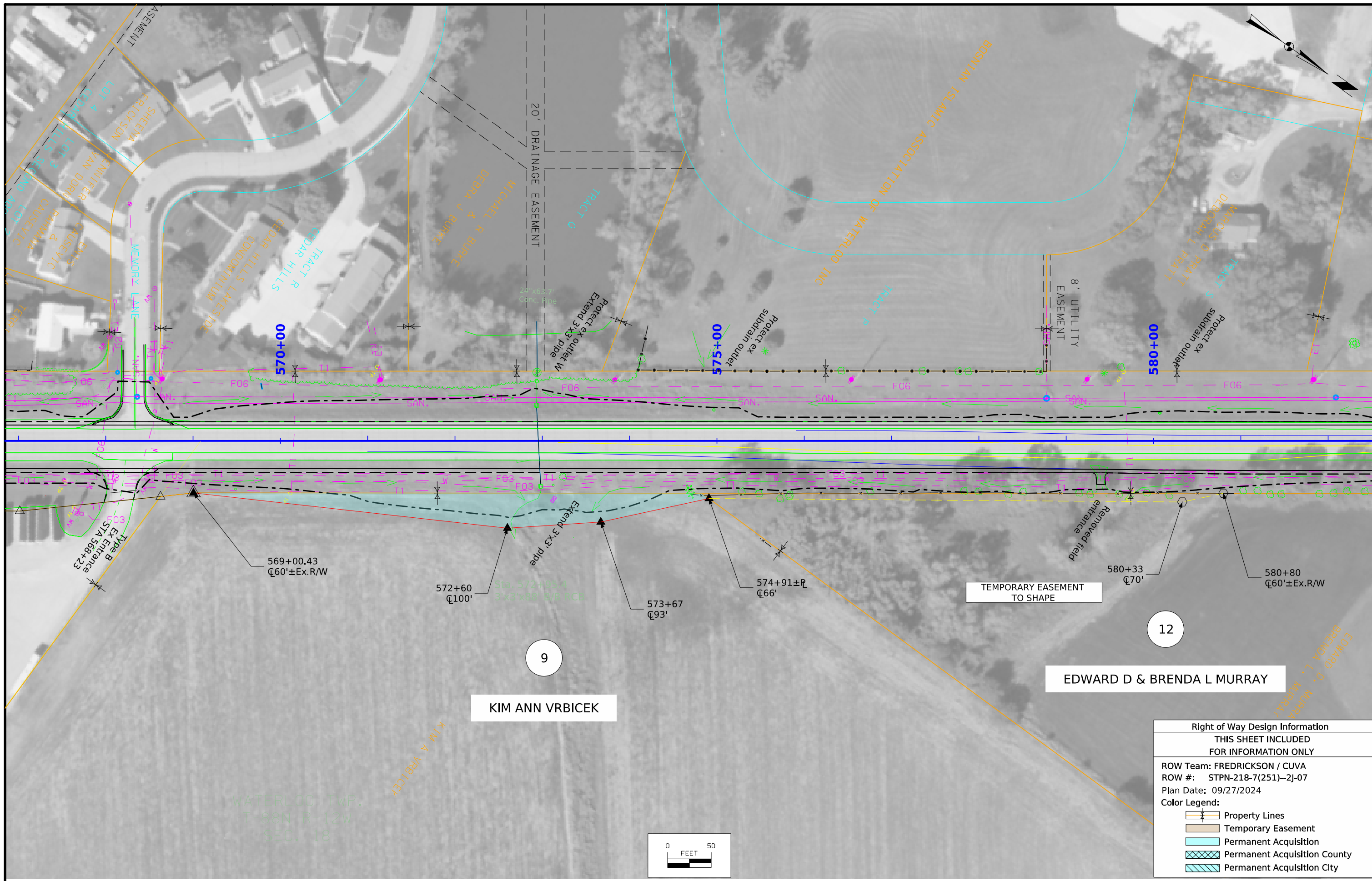
BRUSTKERN AND BRUSTKERN LLC

KIM ANN VRBICEK

TEMPORARY EASEMENT TO SHAPE

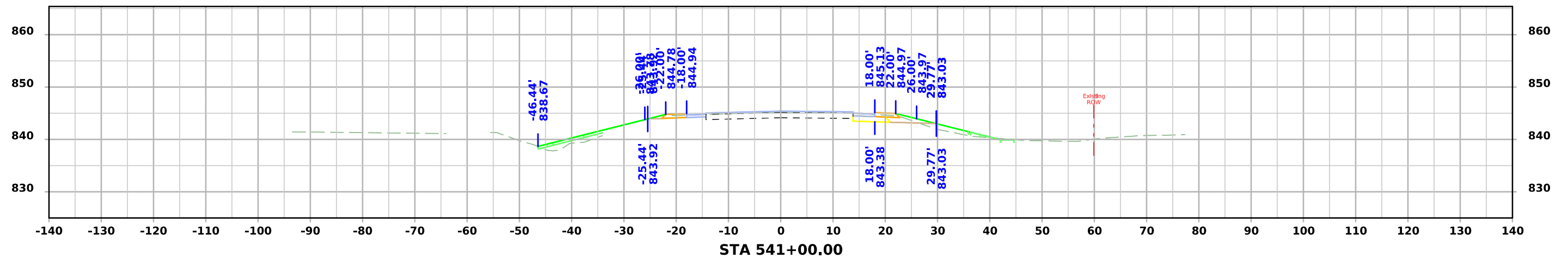
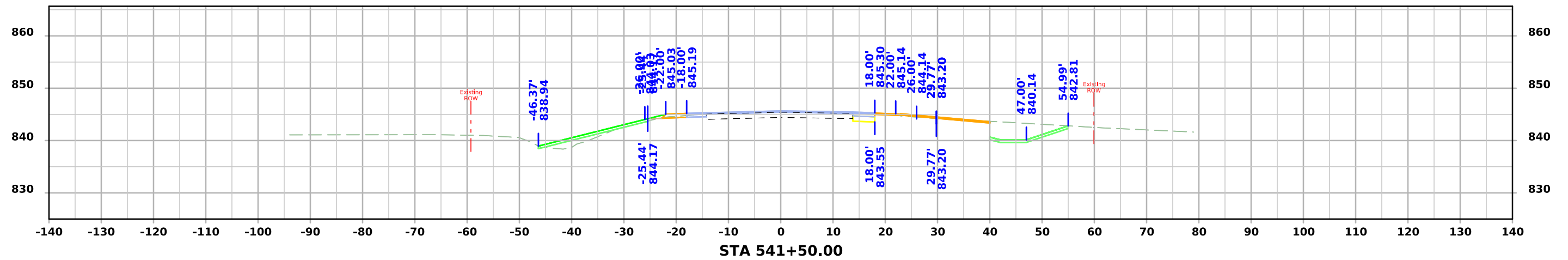
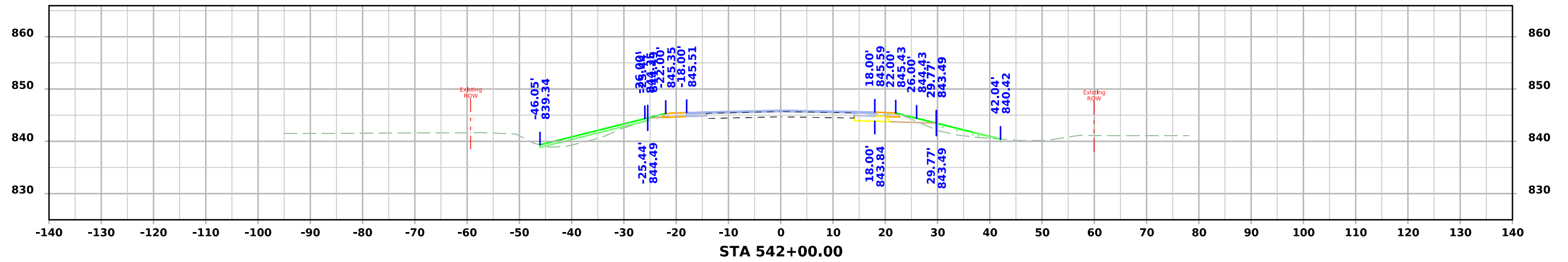
Right of Way Design Information	
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ROW Team: FREDRICKSON / CUVA	
ROW #: STPN-218-7(251)--2J-07	
Plan Date: 09/27/2024	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition
	Permanent Acquisition County
	Permanent Acquisition City



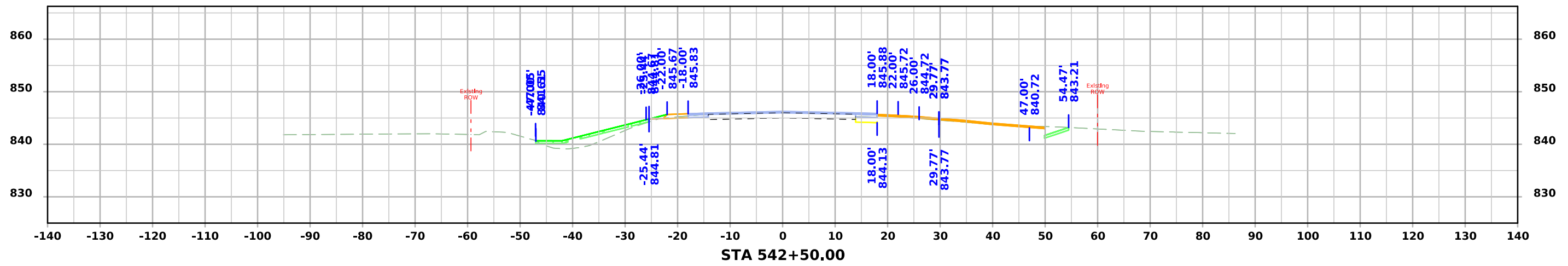
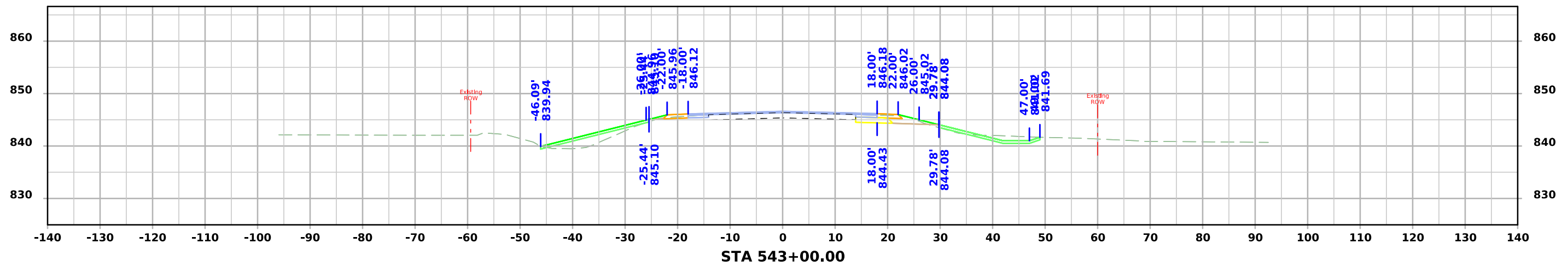
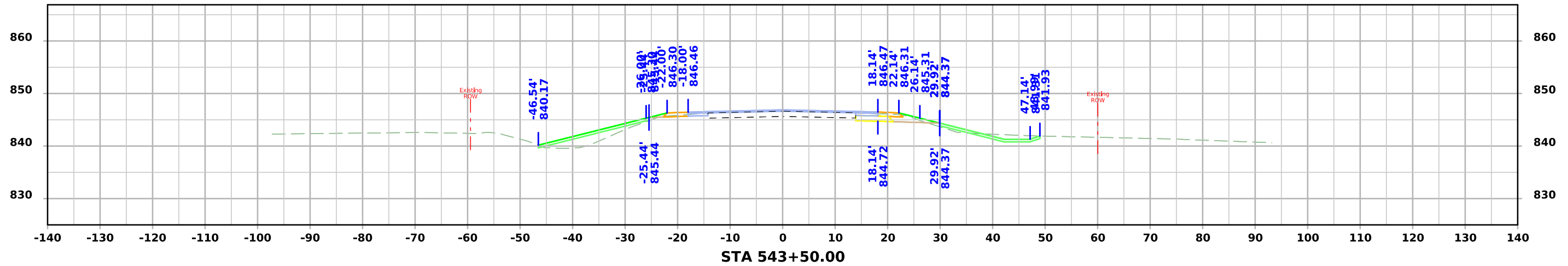


Right of Way Design Information	
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ROW #: STPN-218-7(251)--2J-07	
Plan Date: 09/27/2024	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition
	Permanent Acquisition County
	Permanent Acquisition City

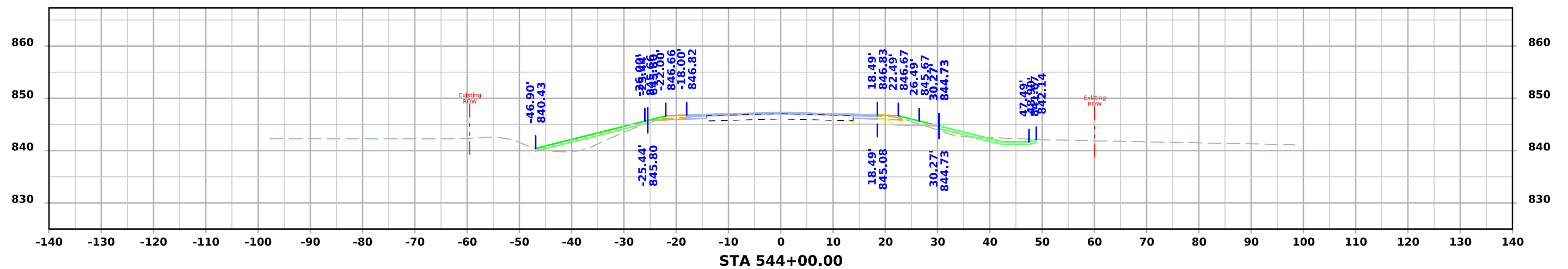
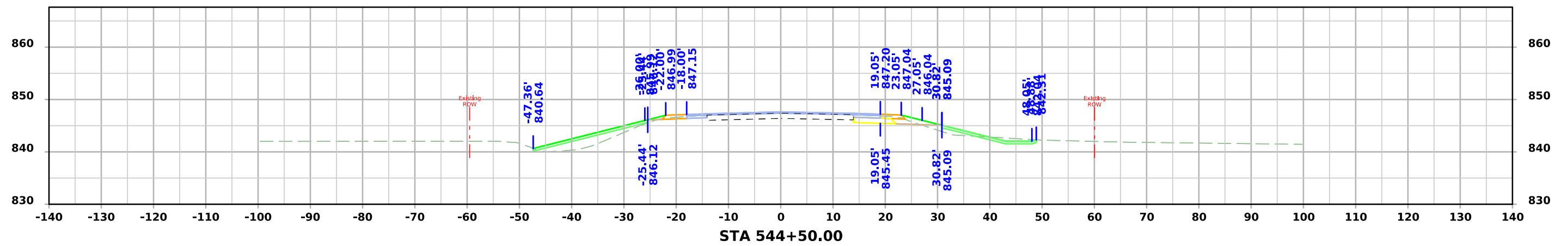
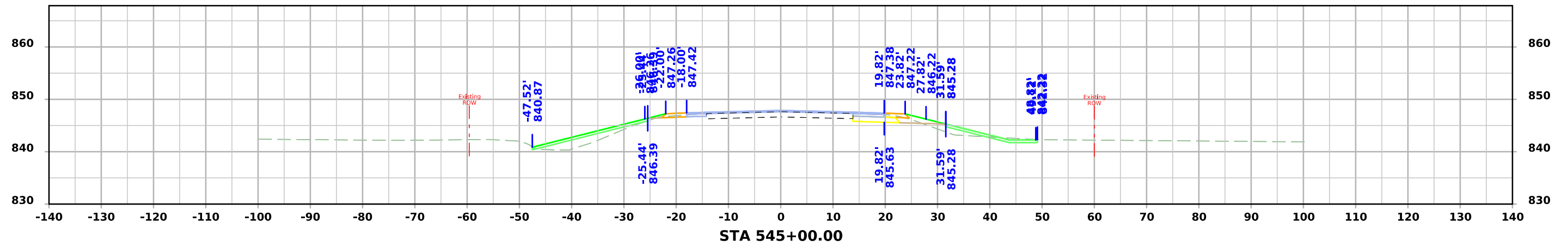
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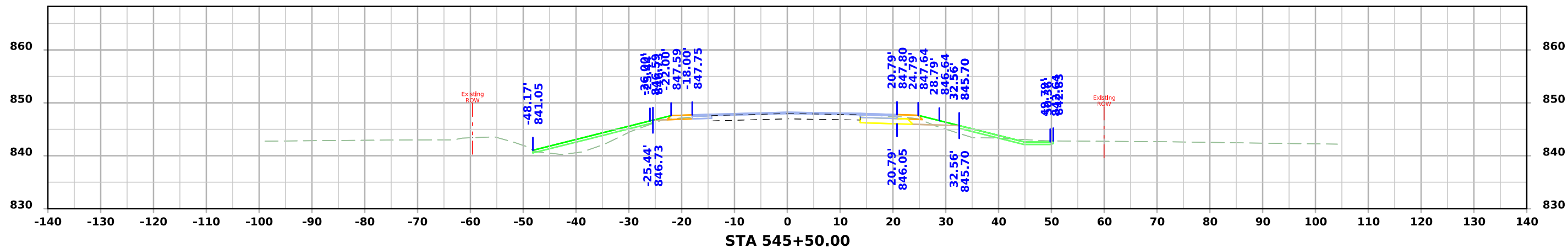
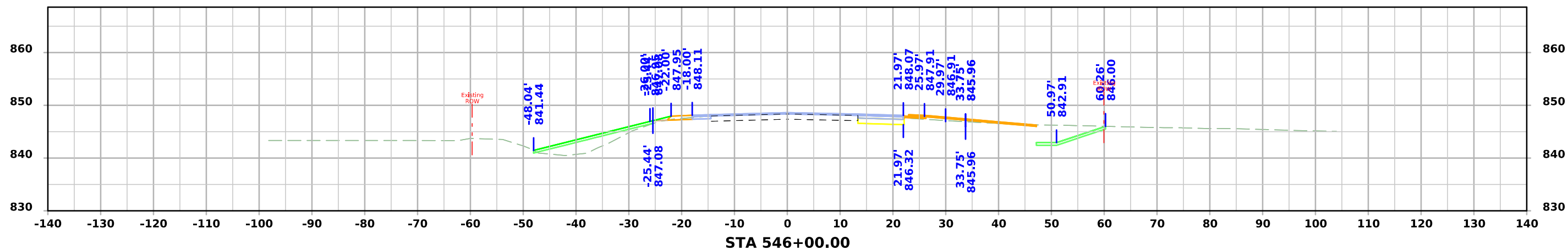
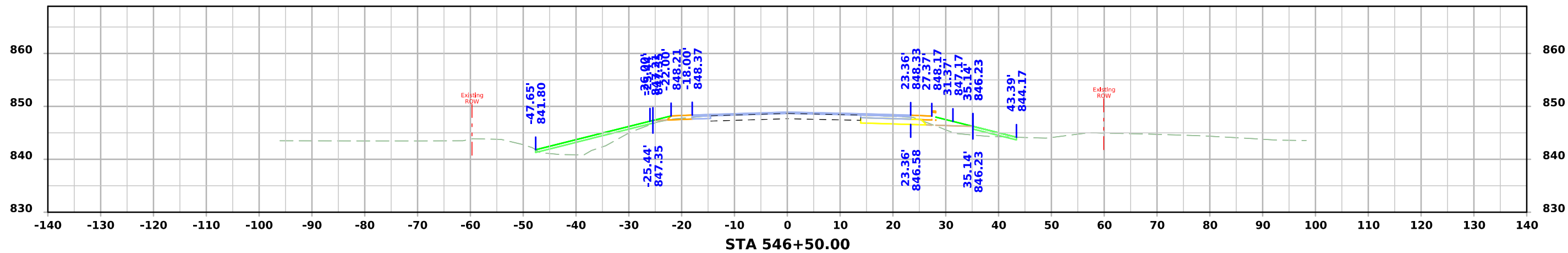


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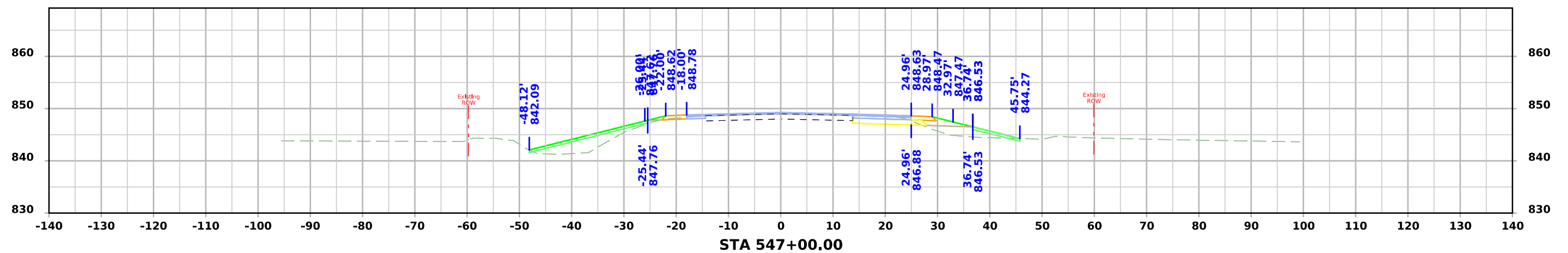
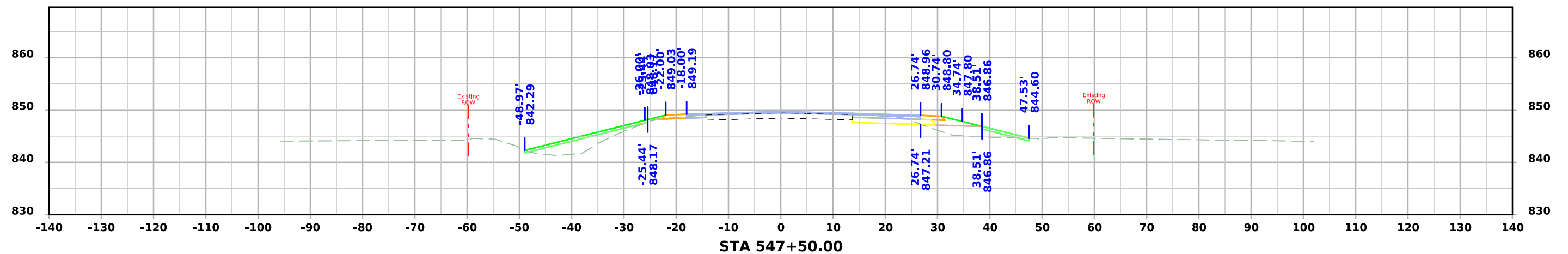
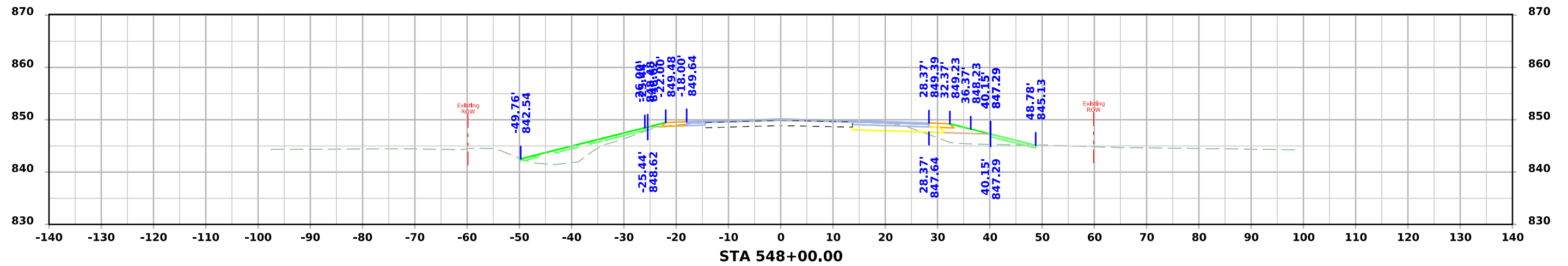


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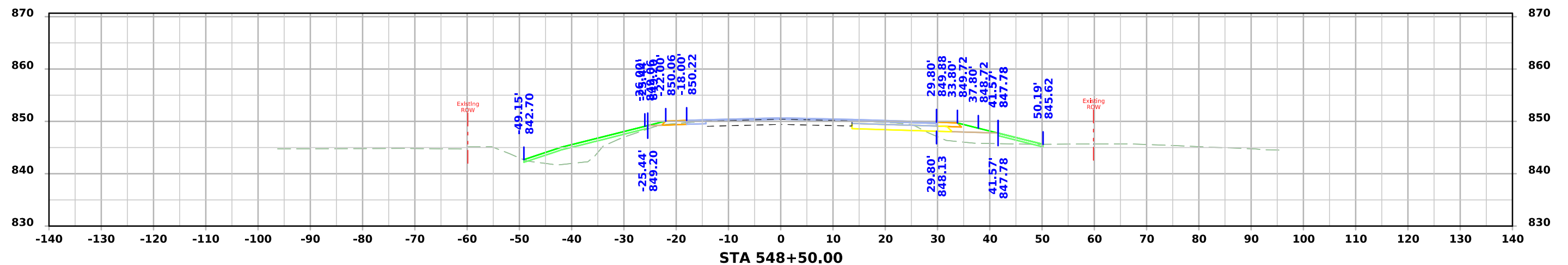
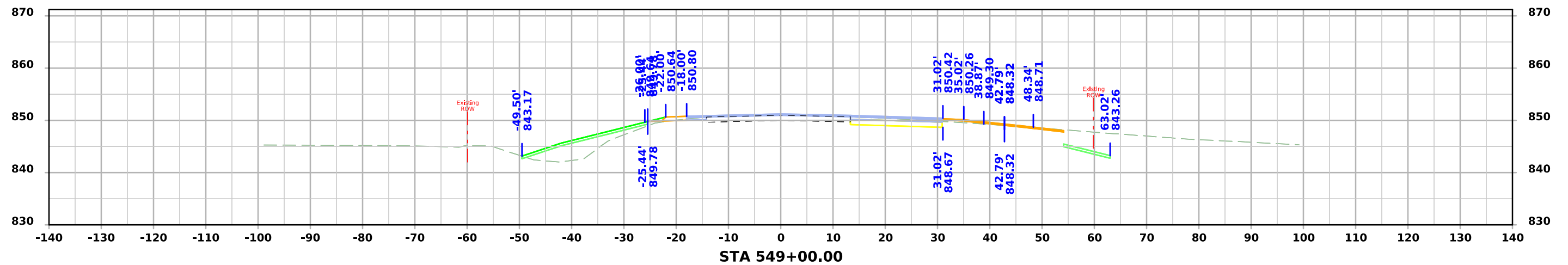
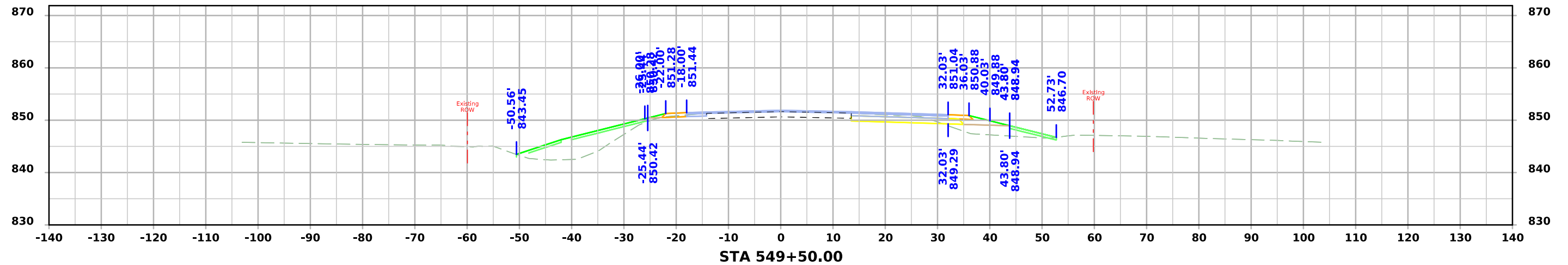




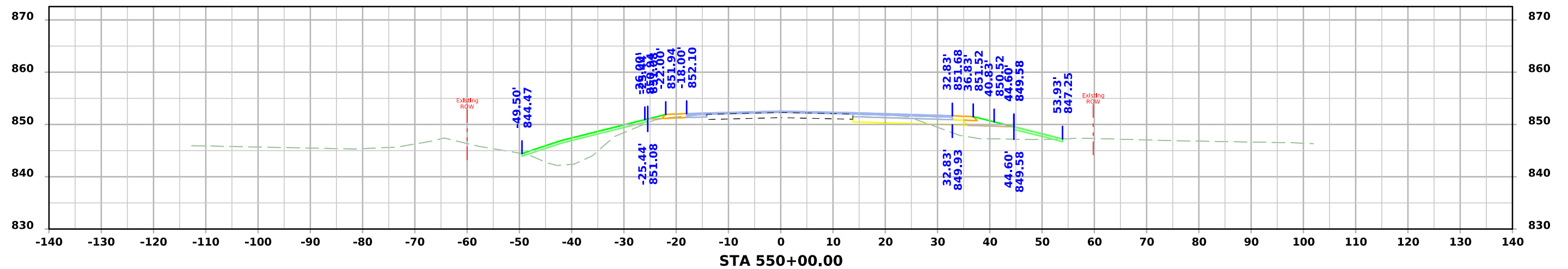
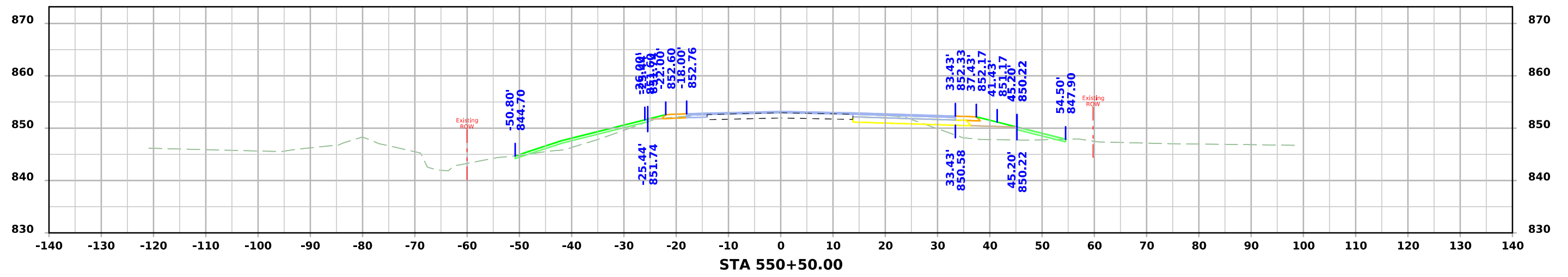
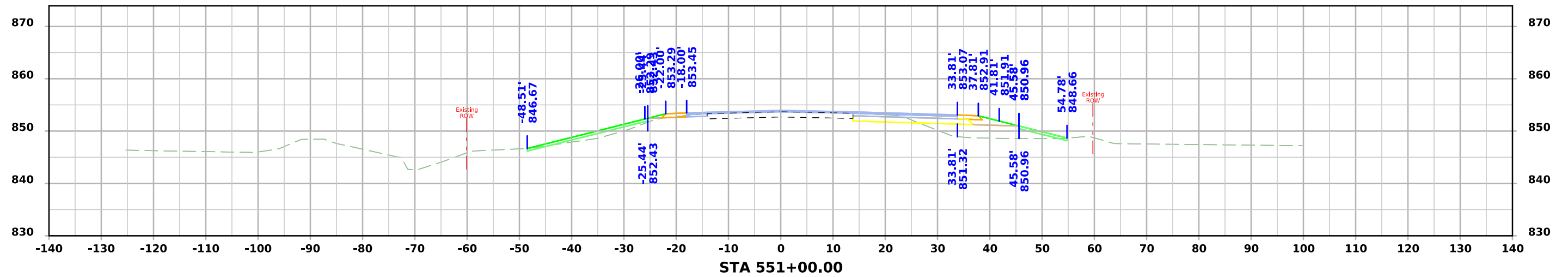
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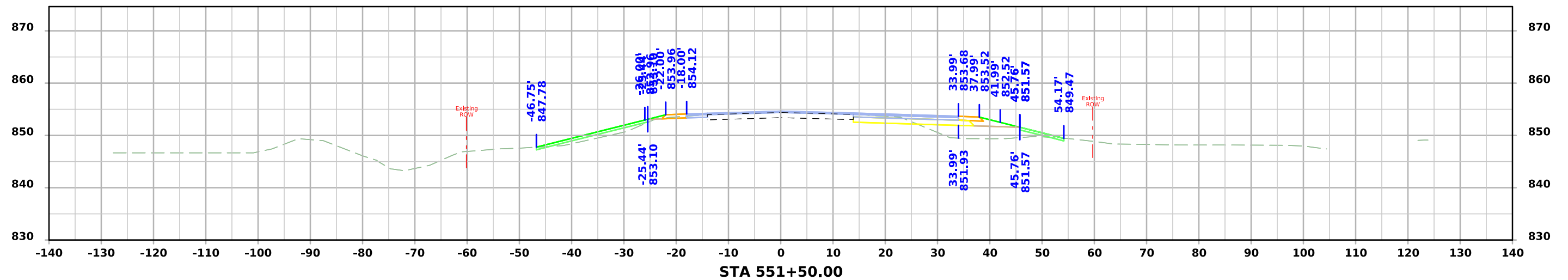
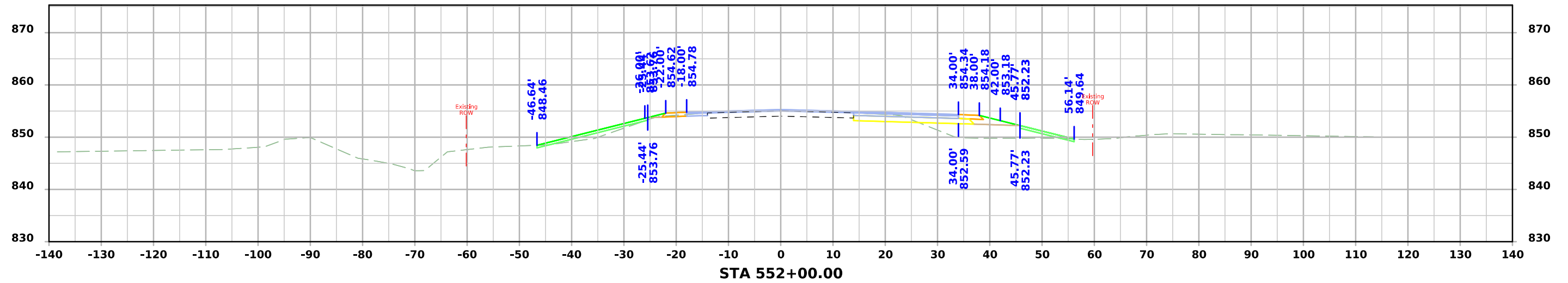
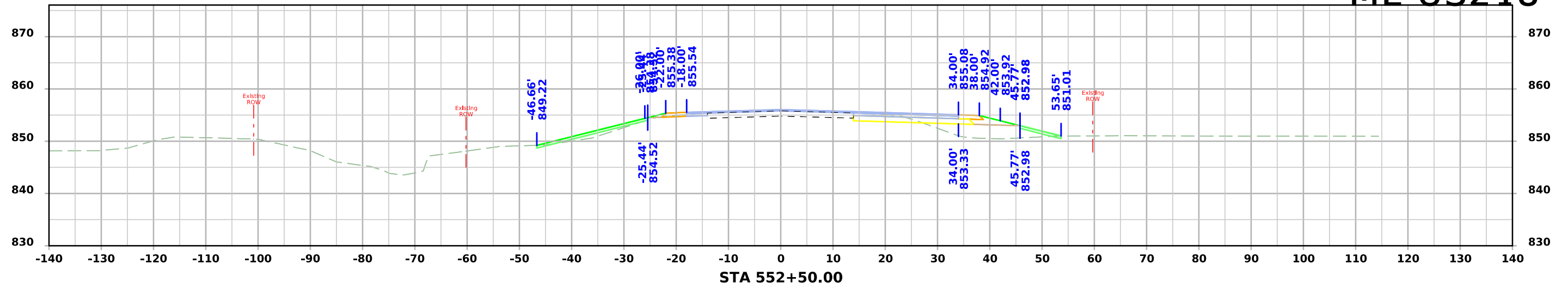
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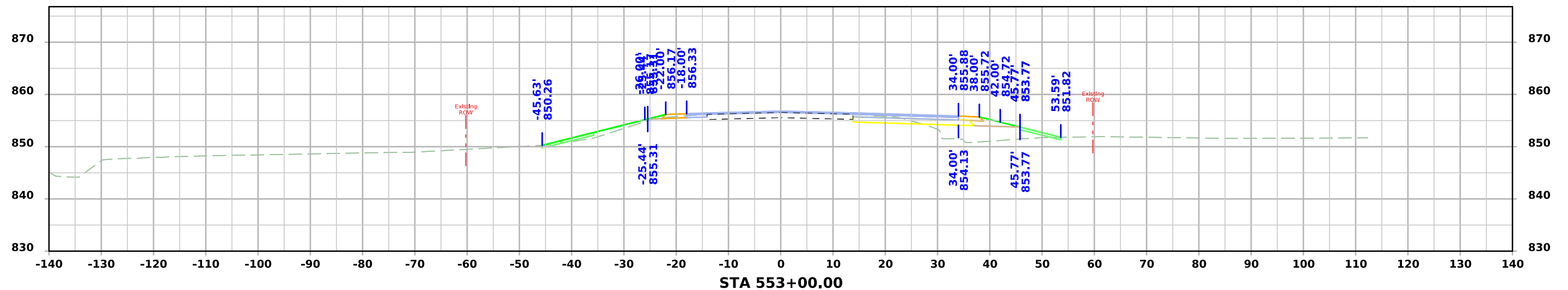
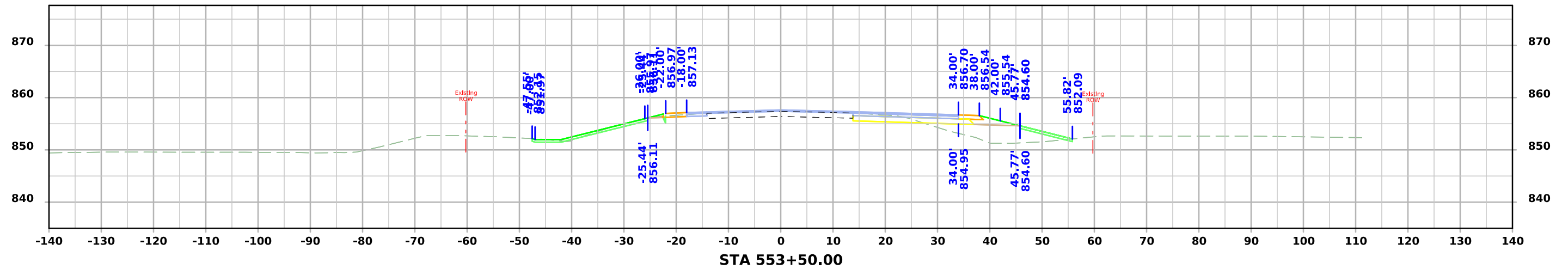
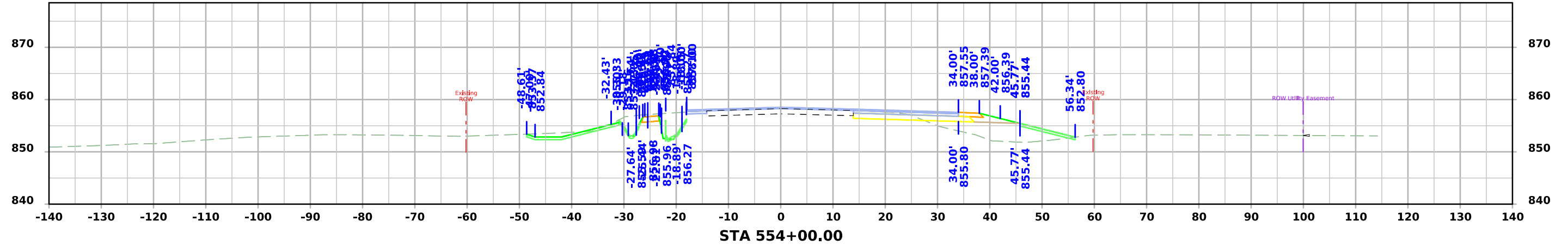
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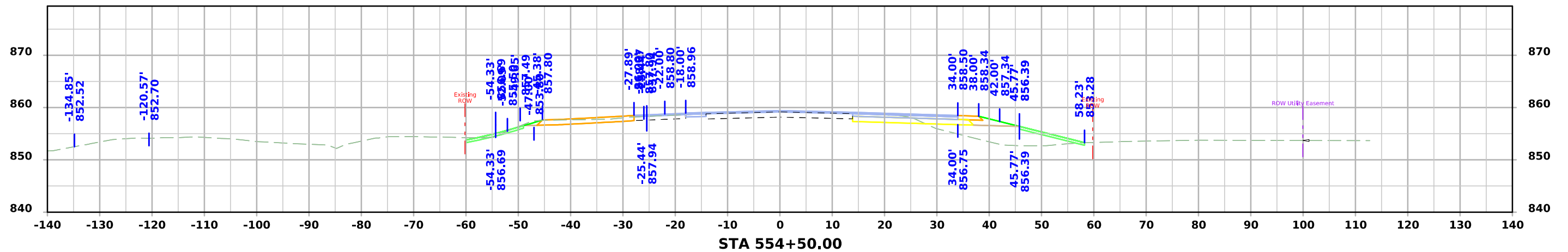
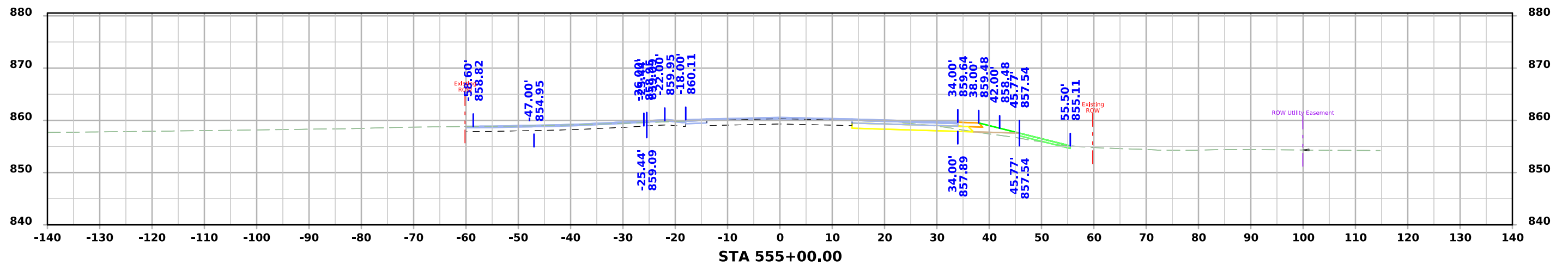
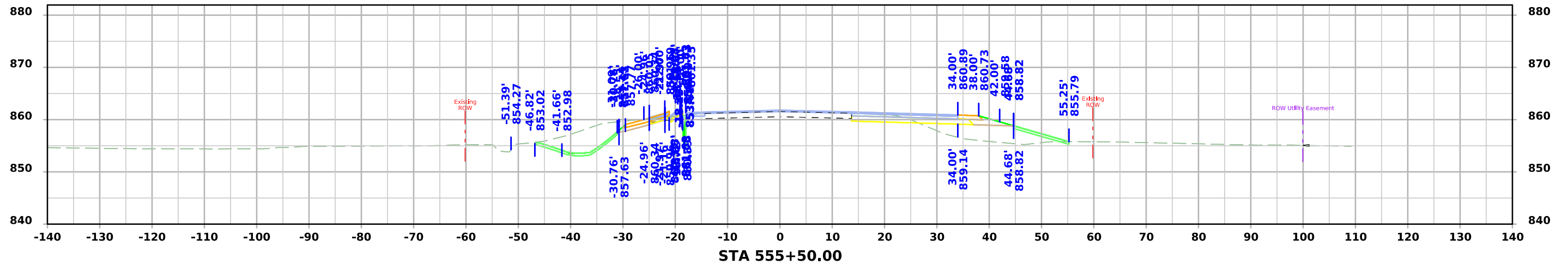
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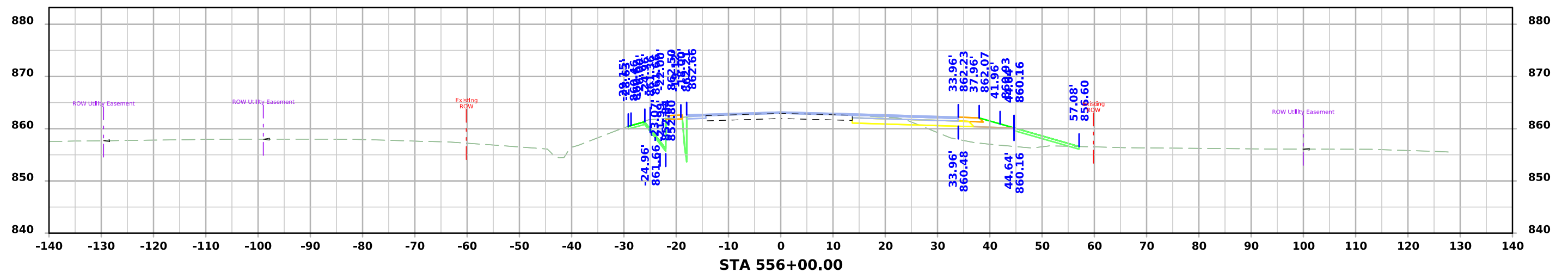
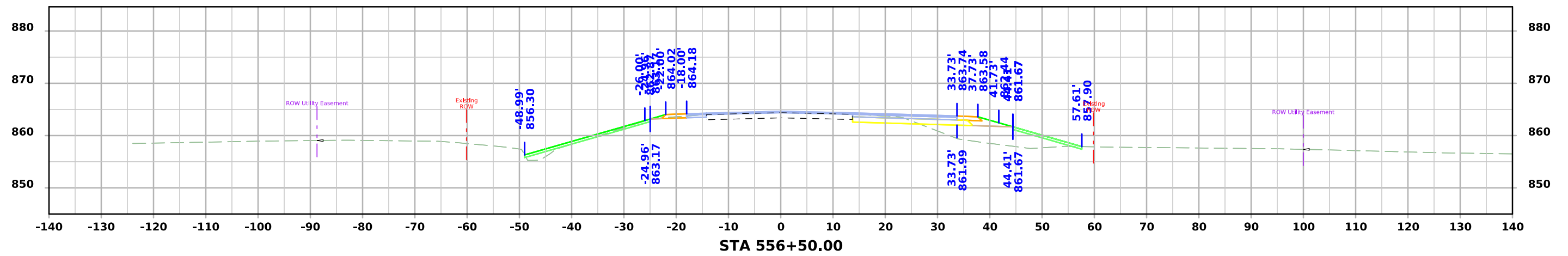
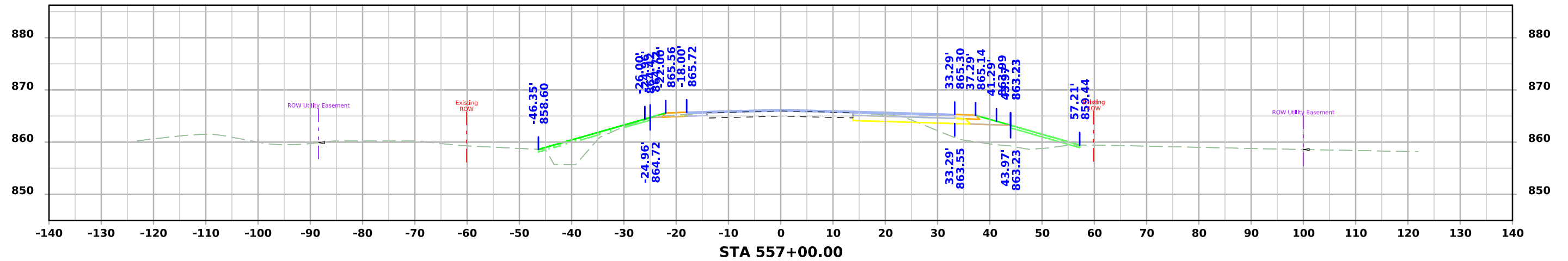
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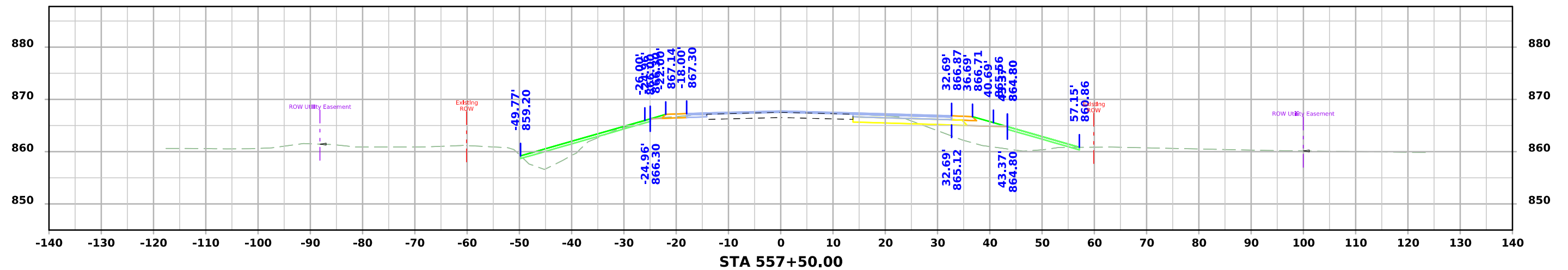
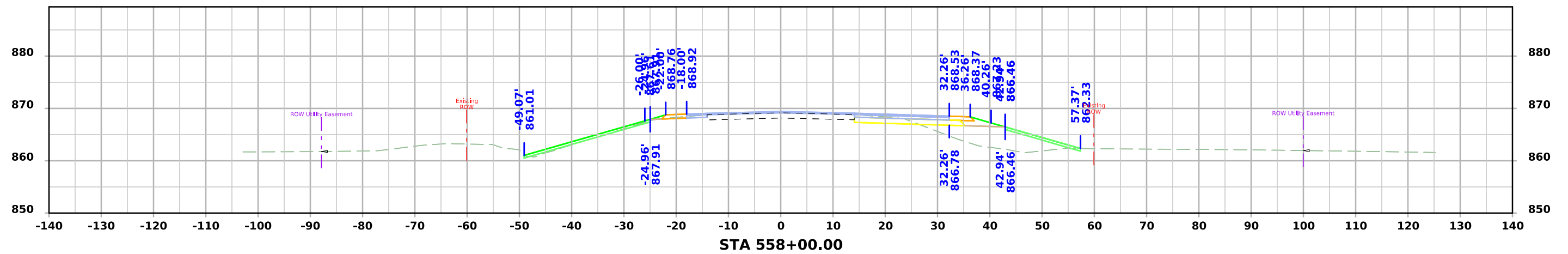
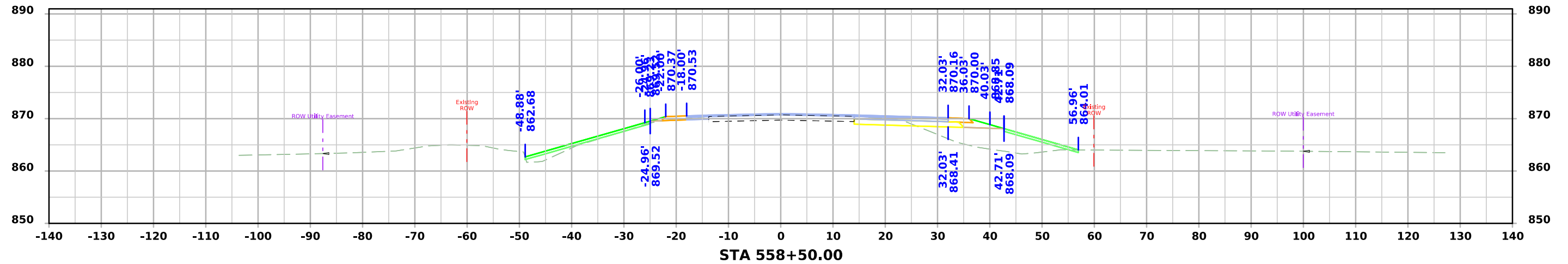
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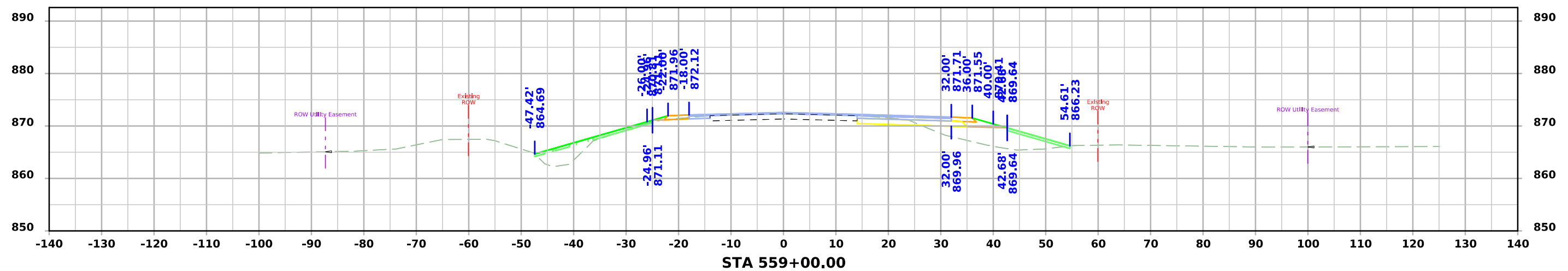
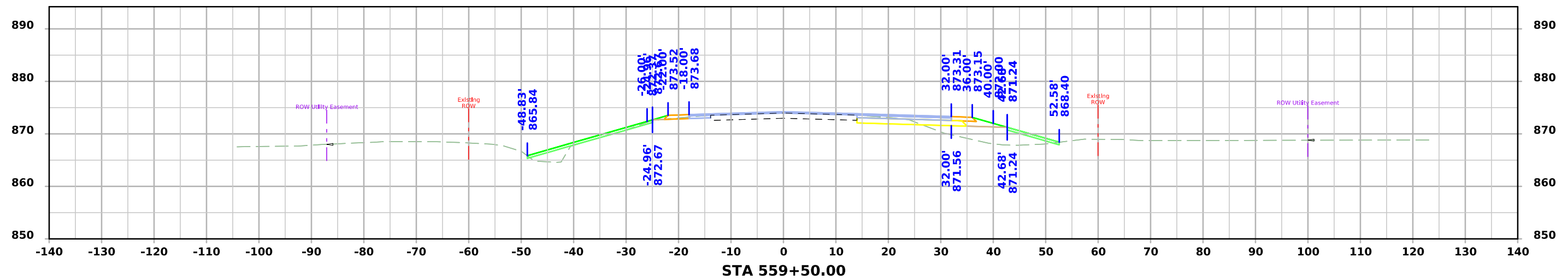
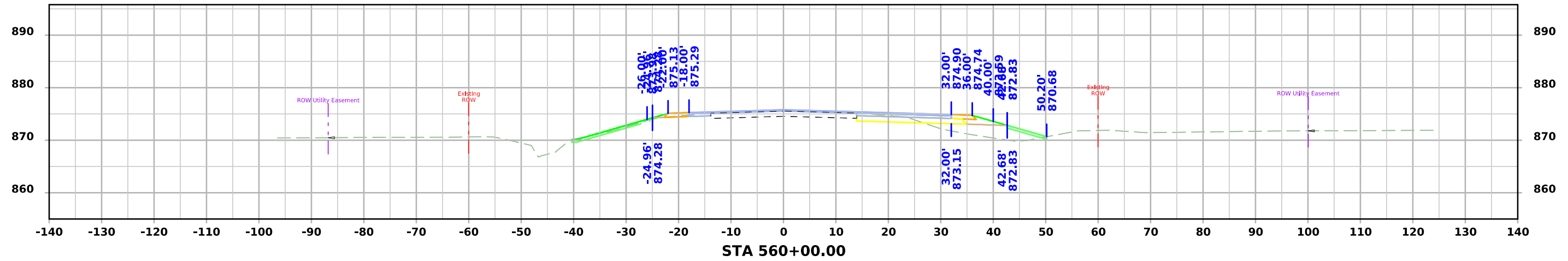
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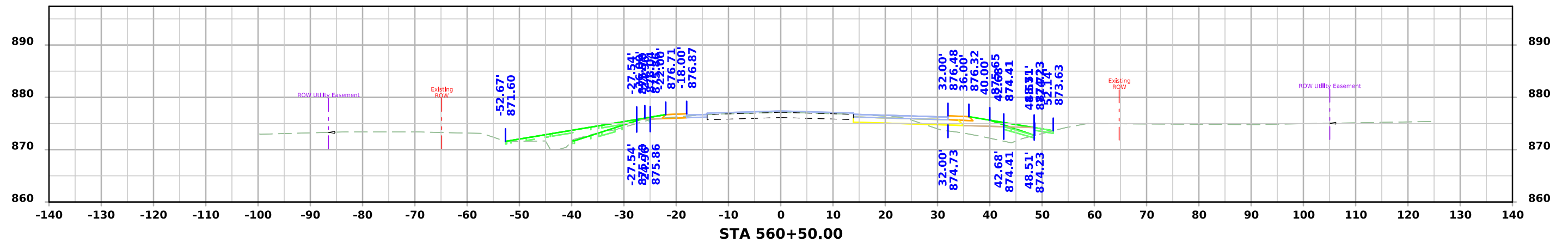
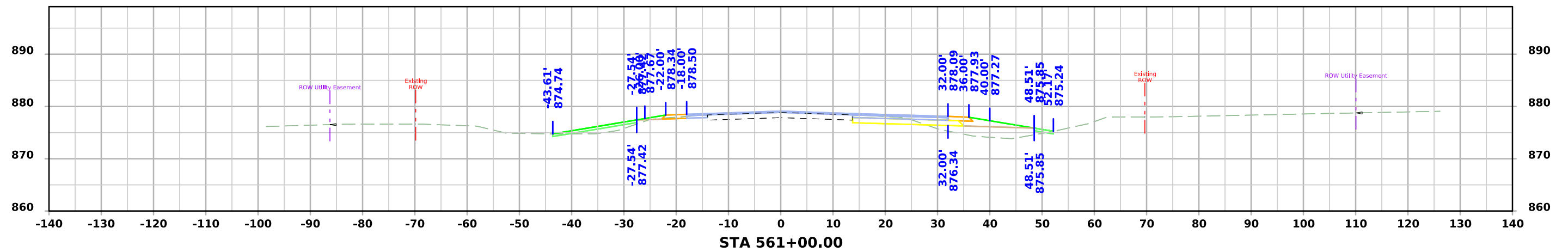
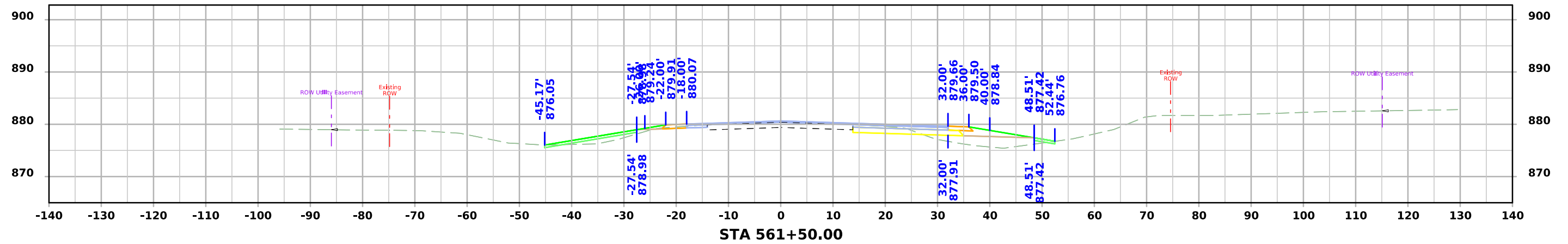
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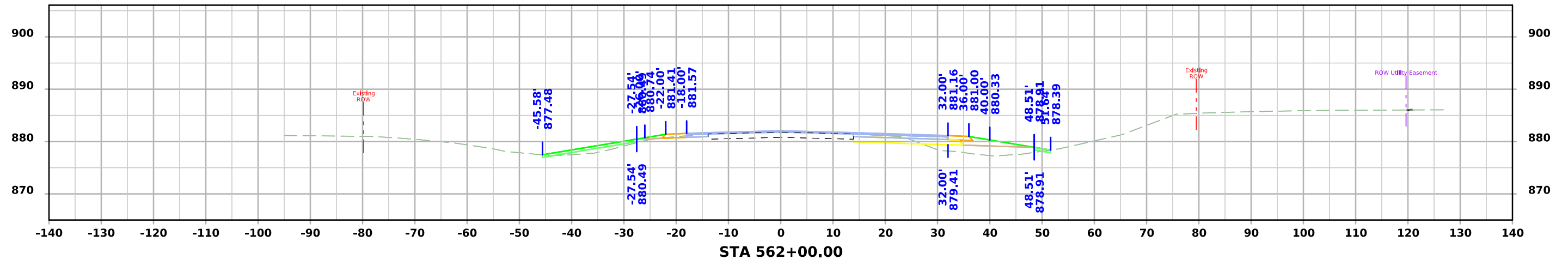
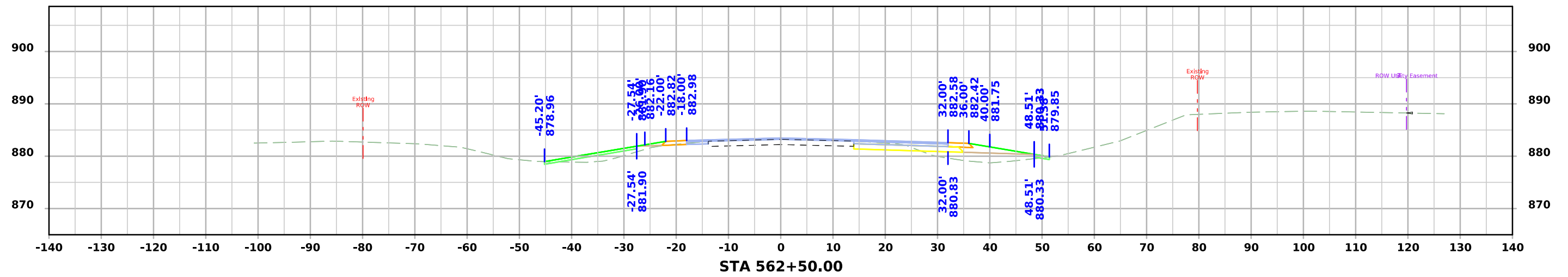
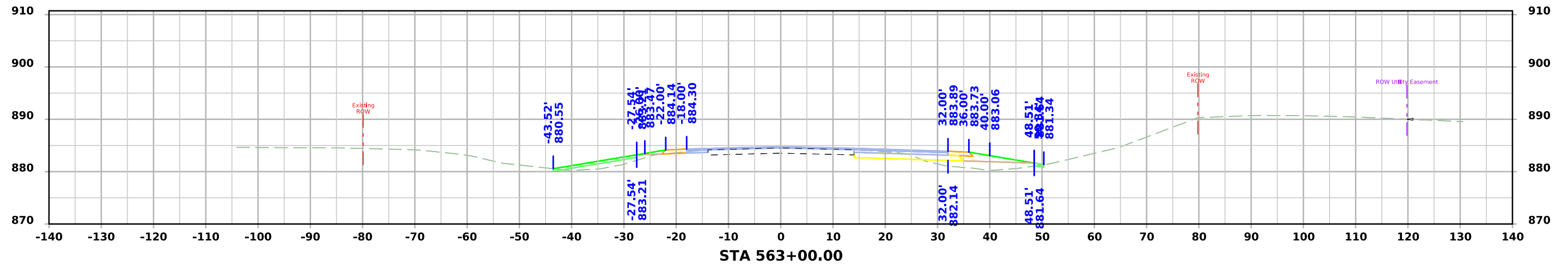
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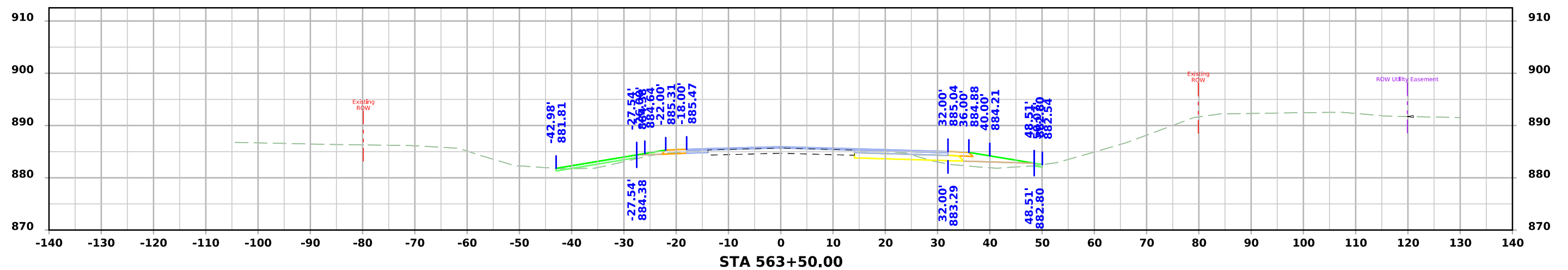
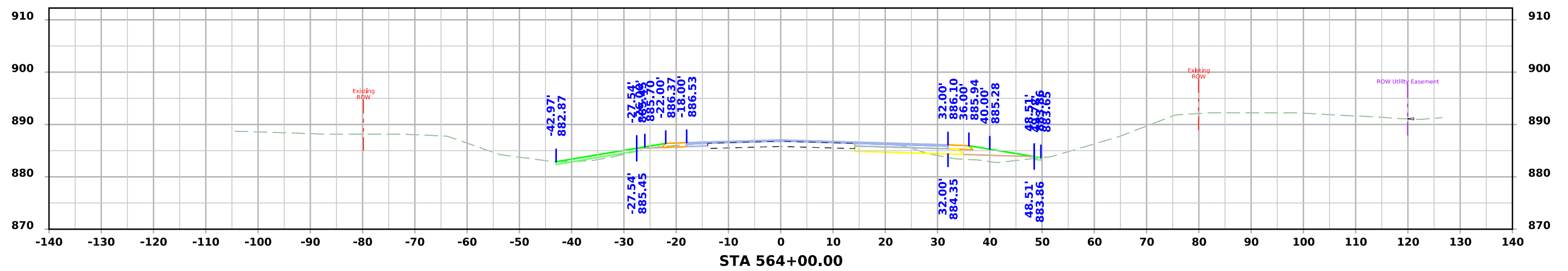
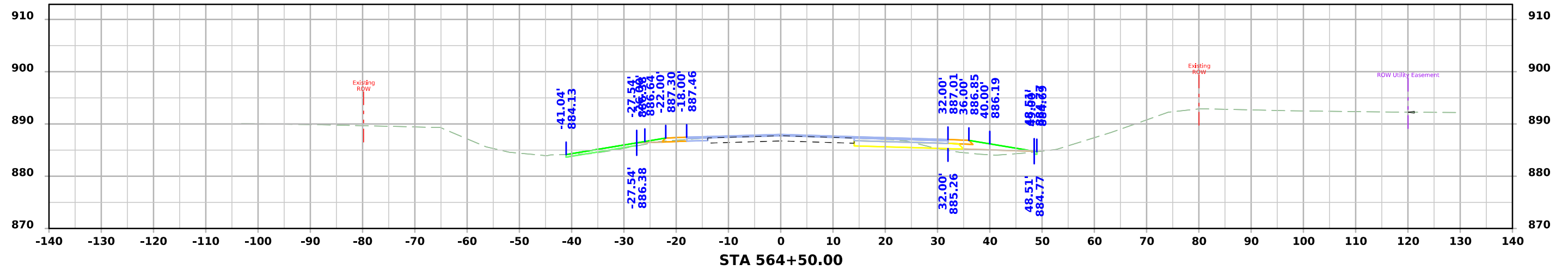
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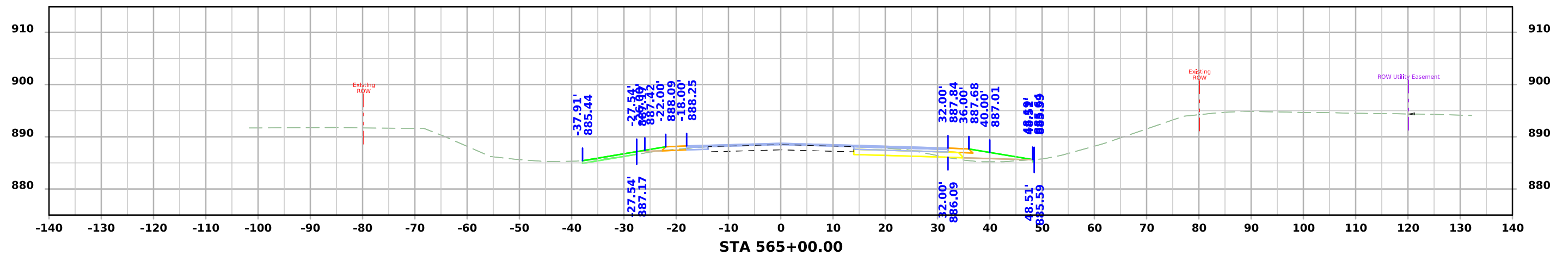
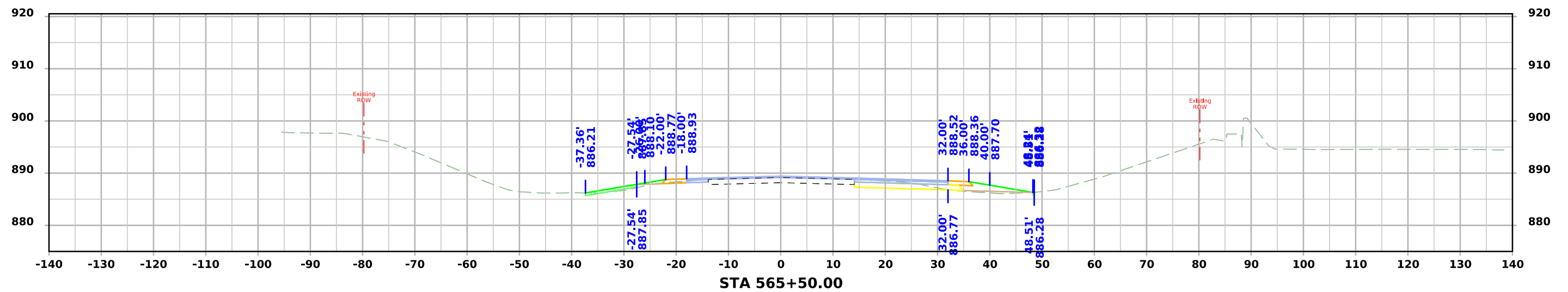
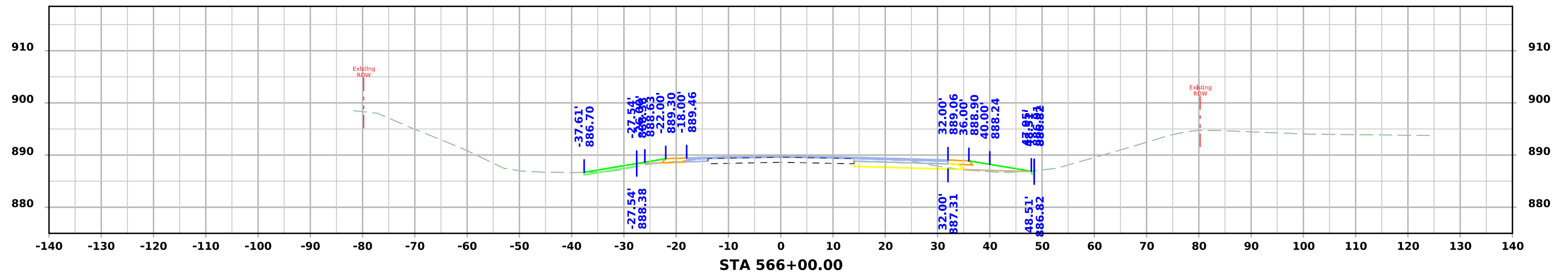
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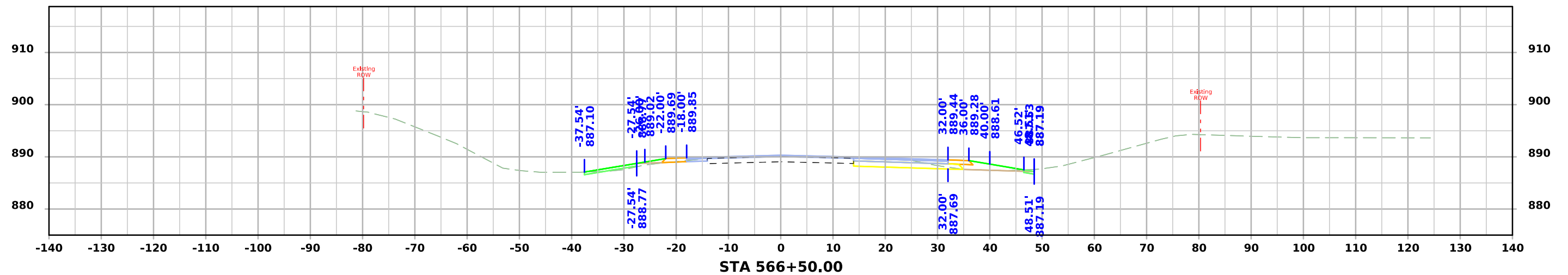
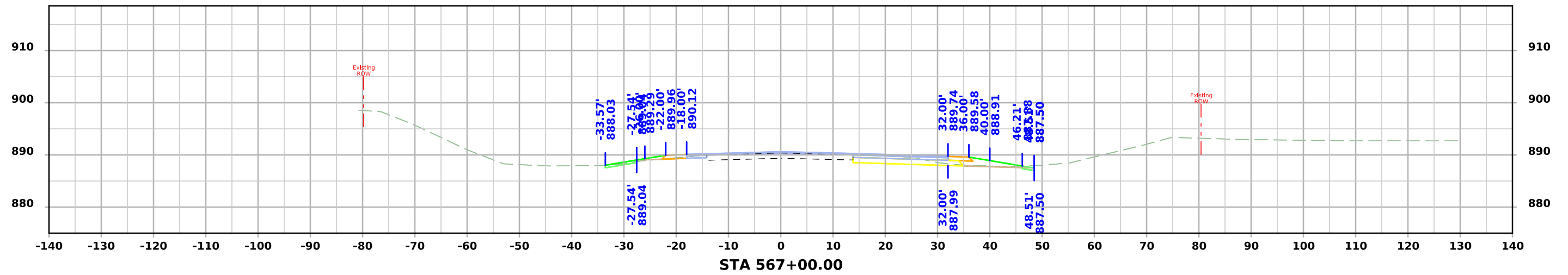
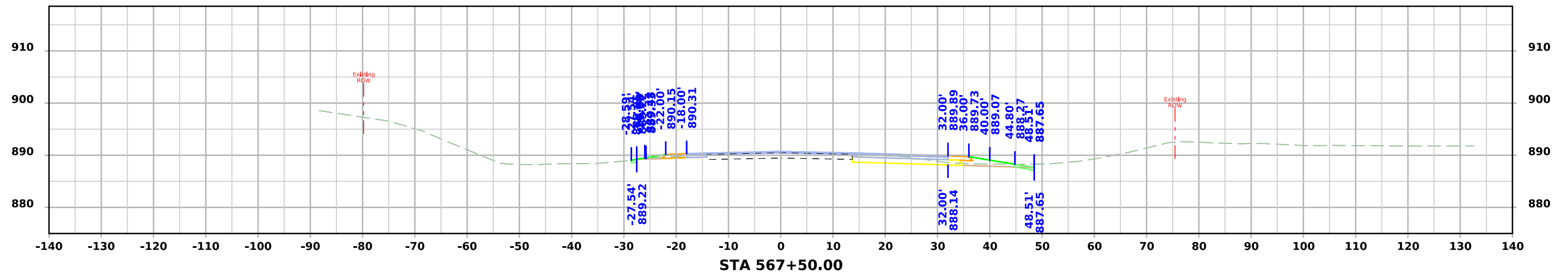
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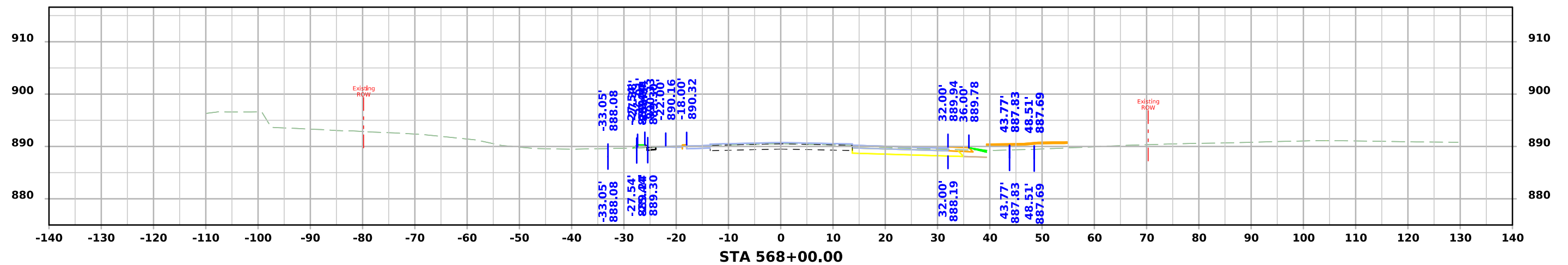
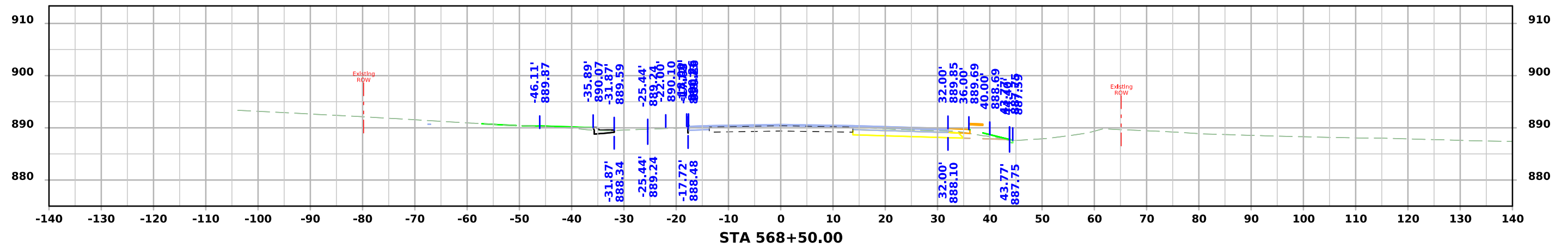
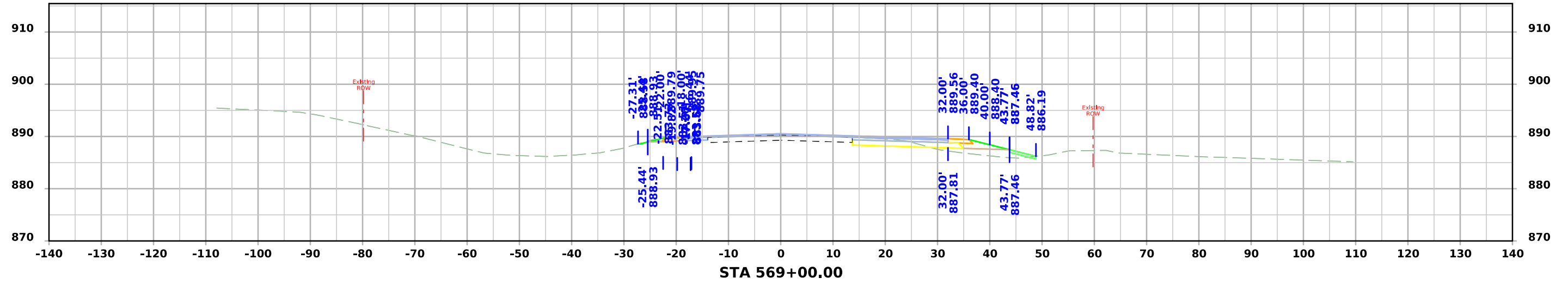
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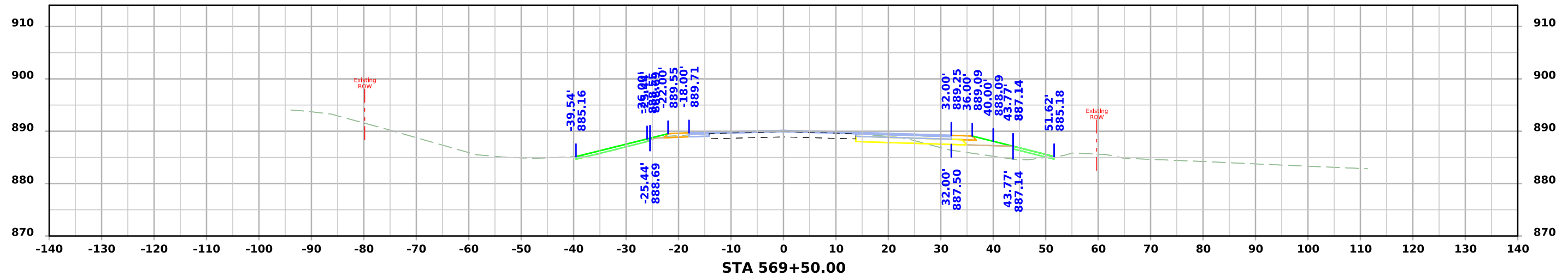
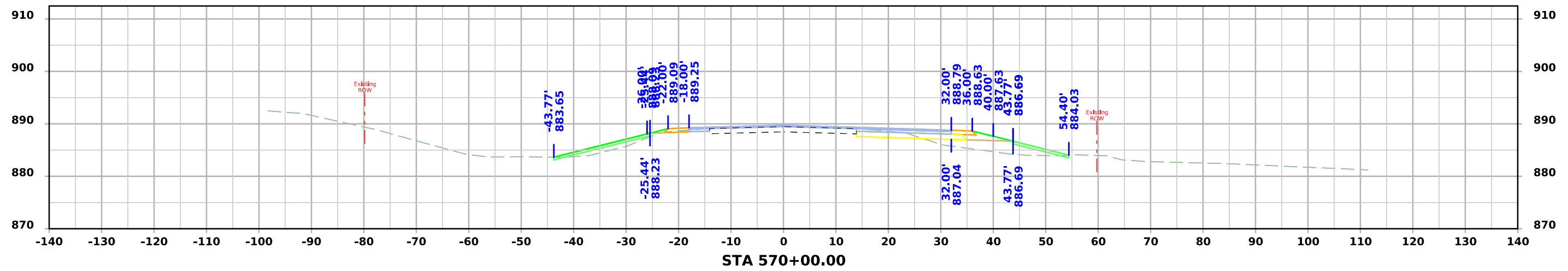
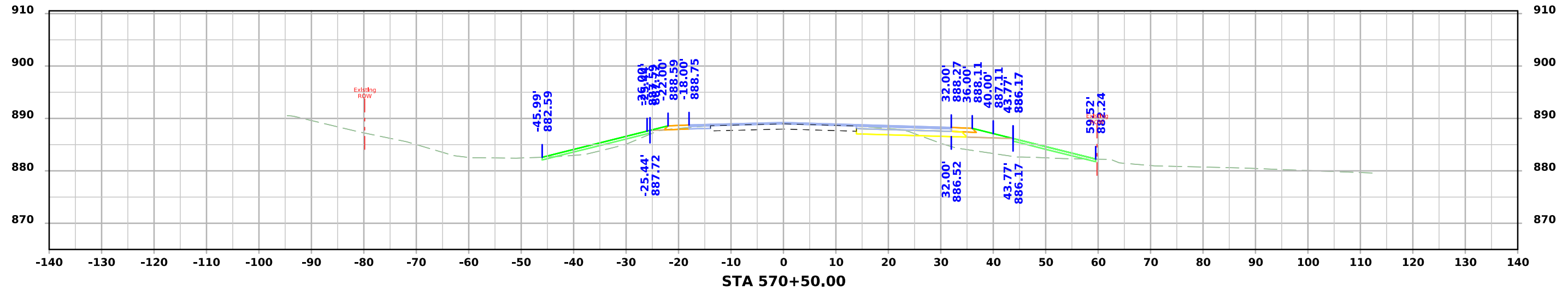
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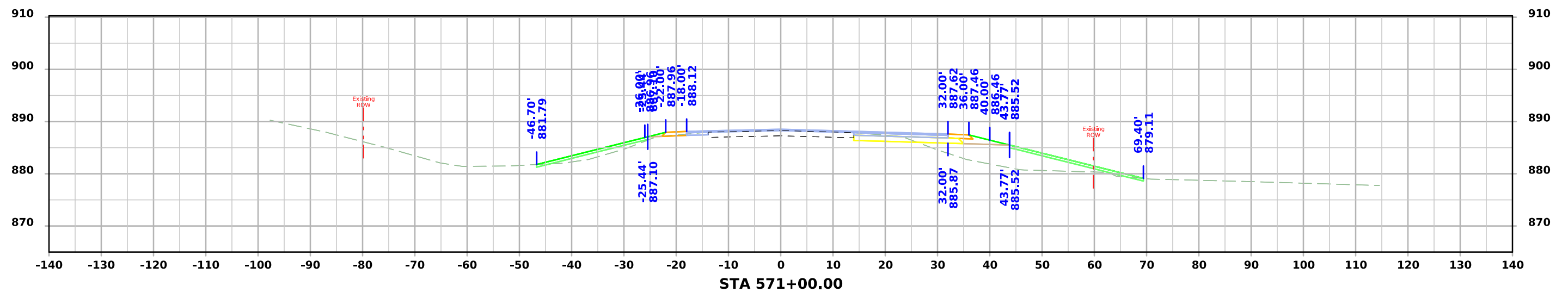
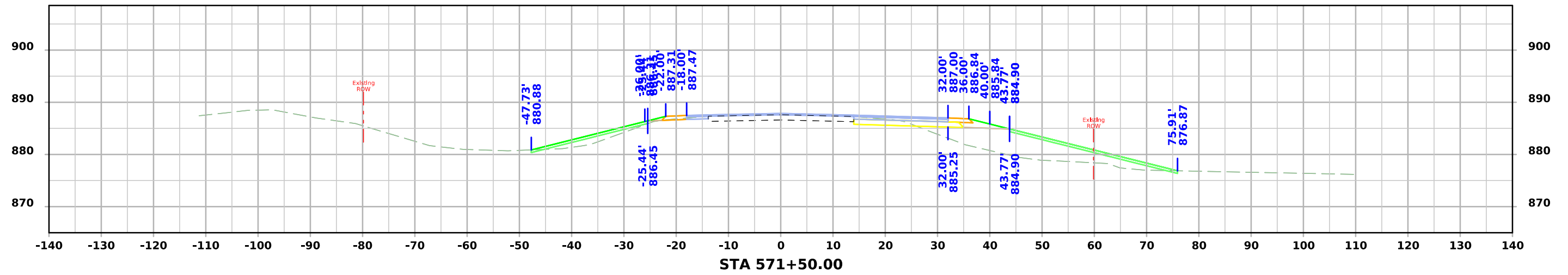
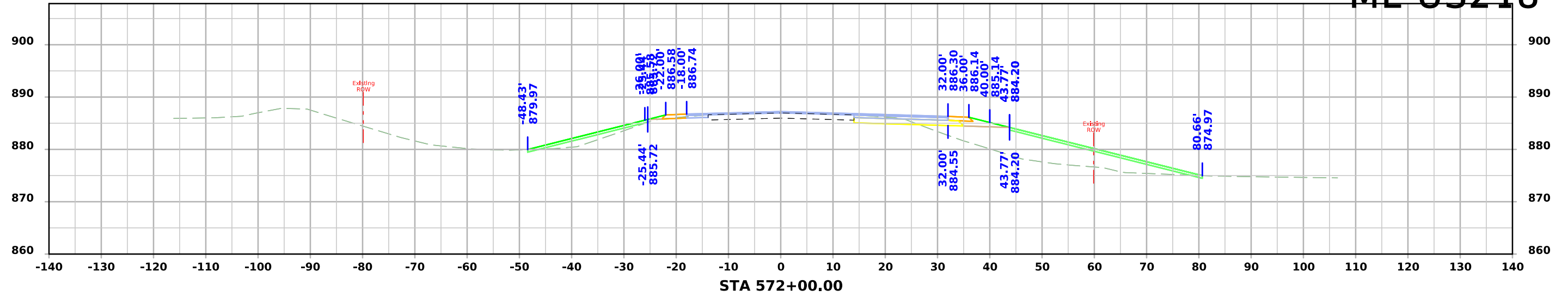
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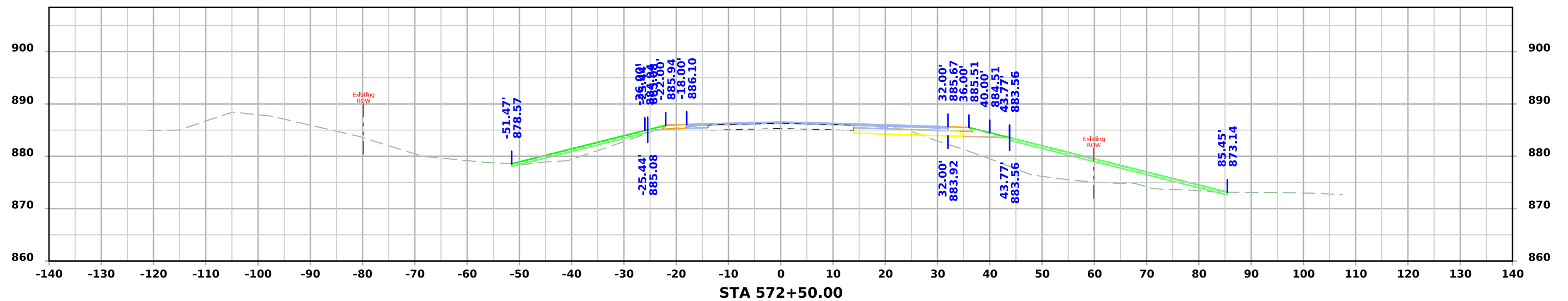
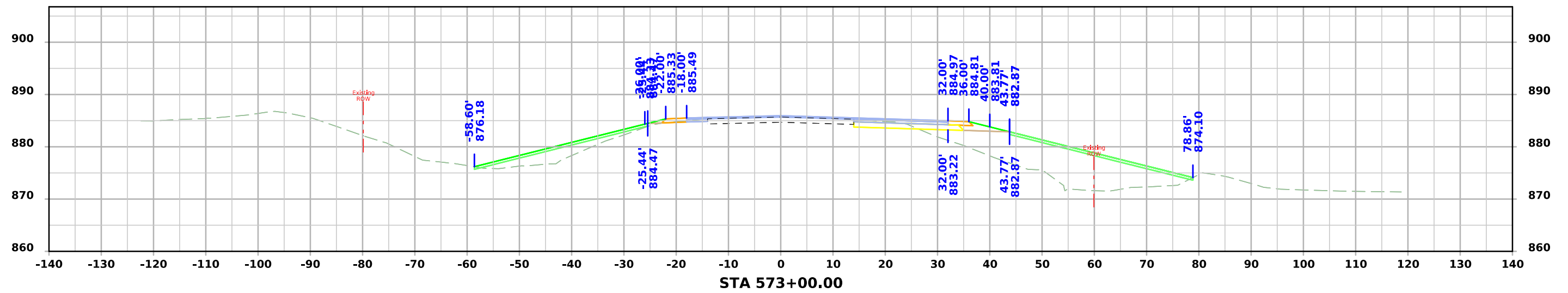
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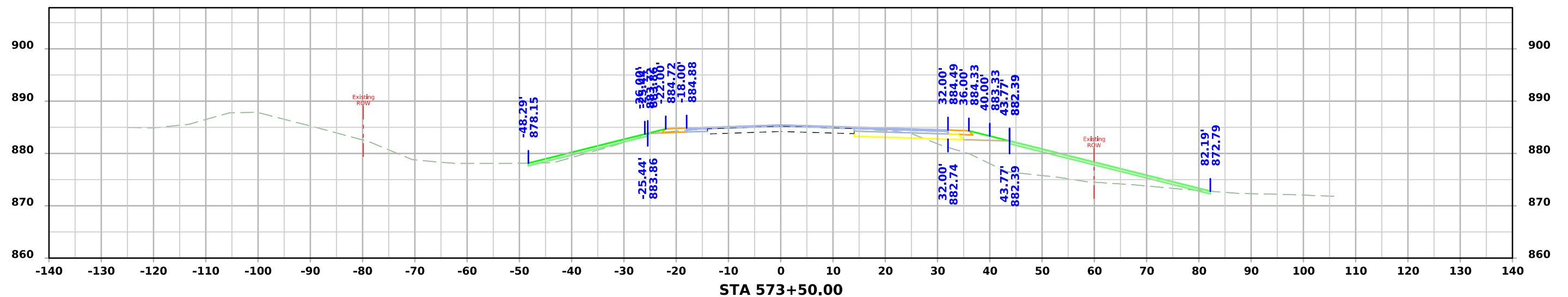
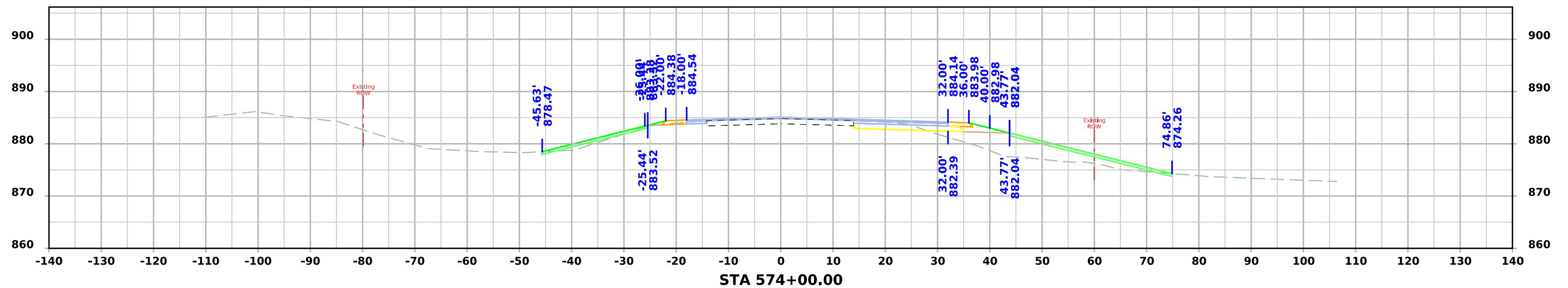
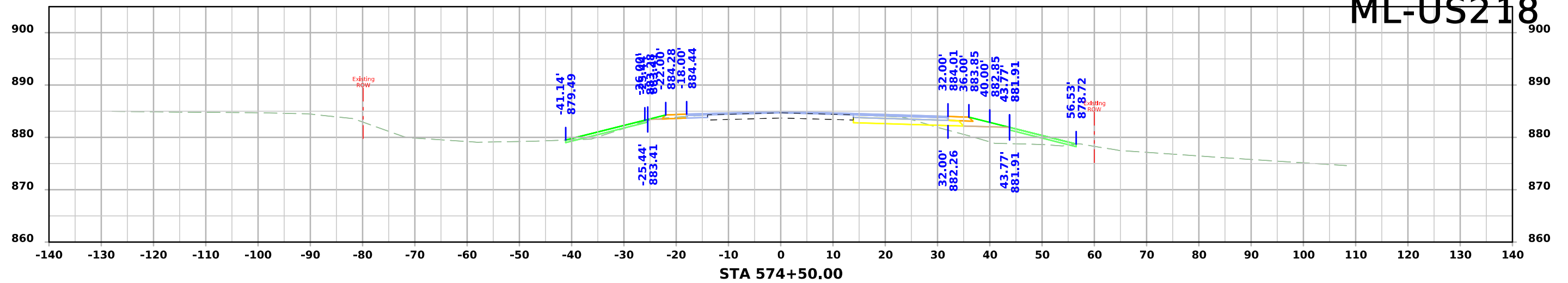
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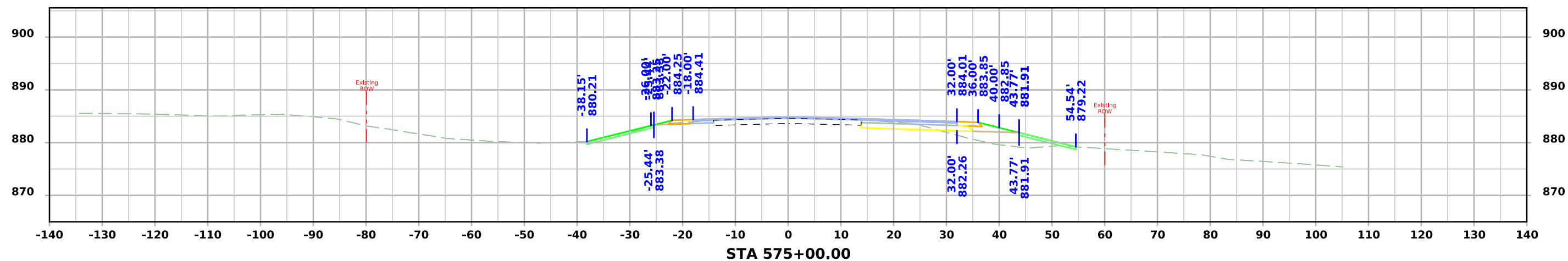
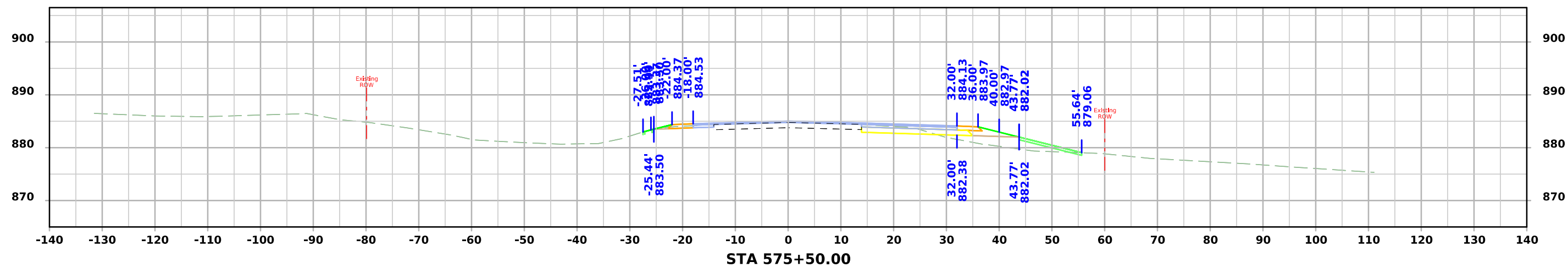
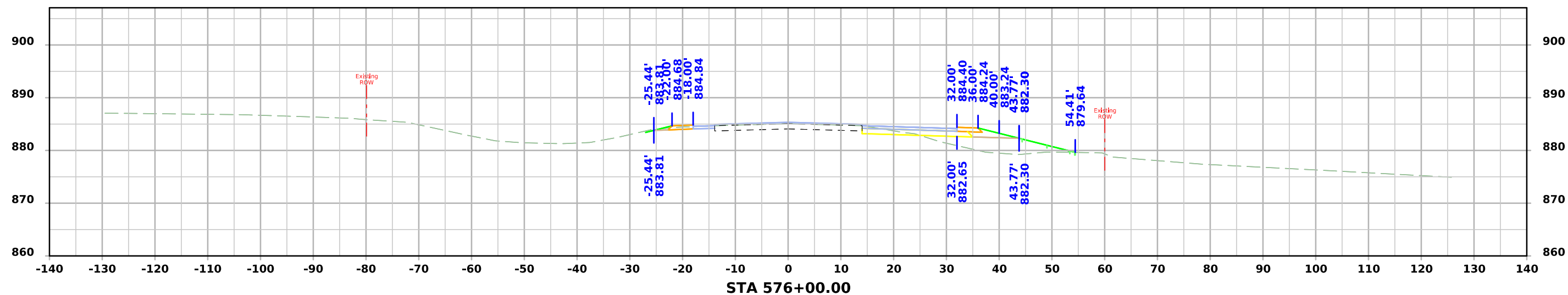
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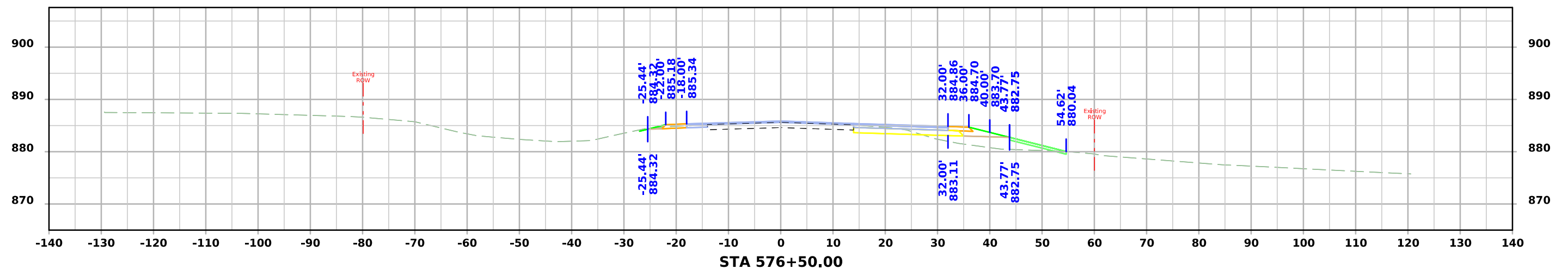
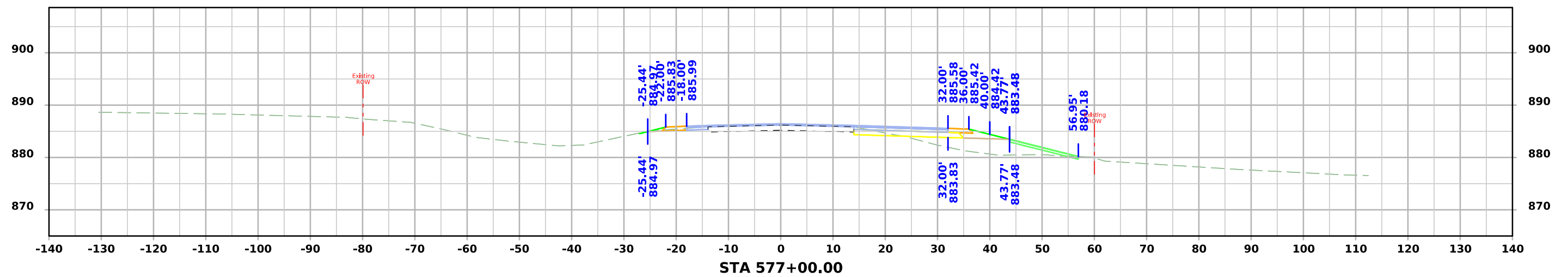
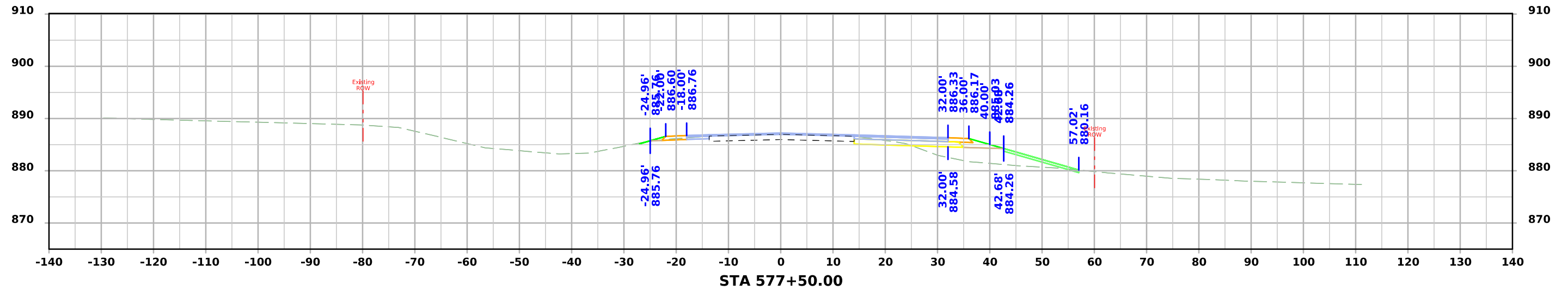
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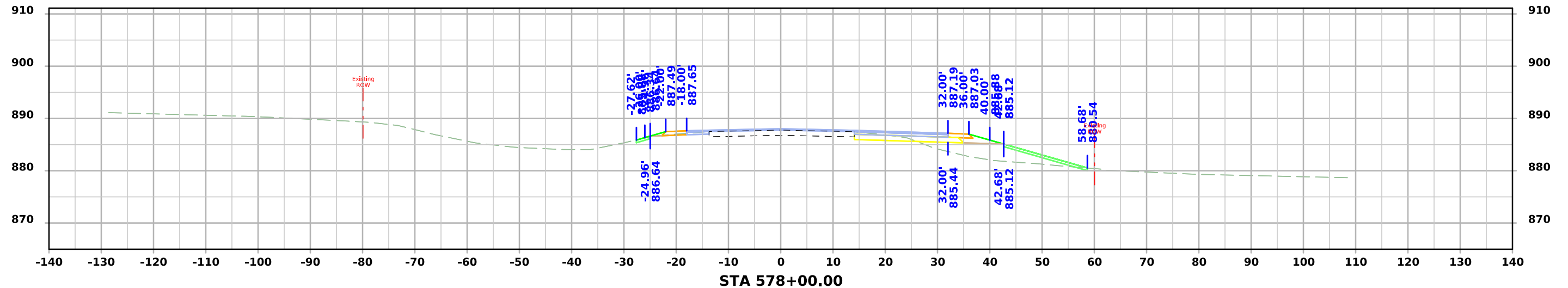
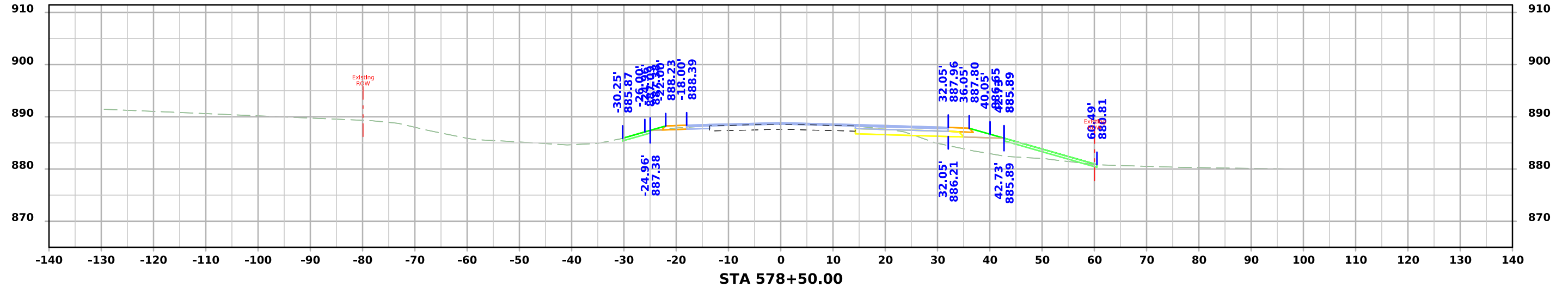
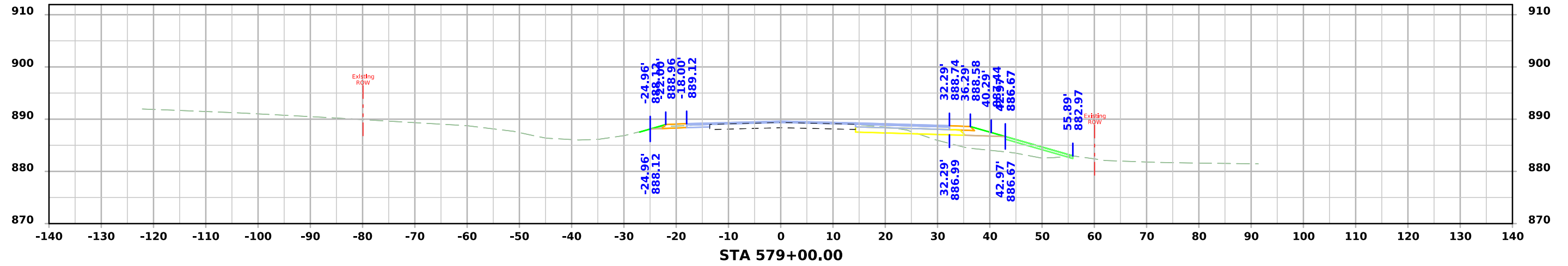
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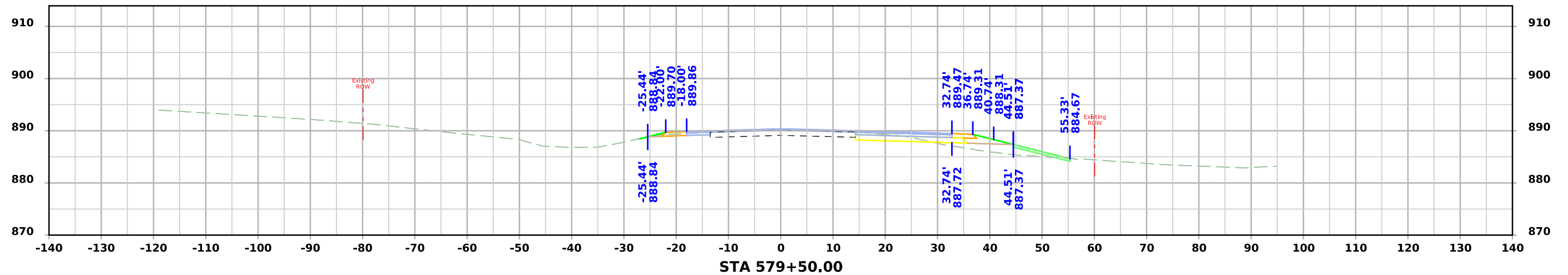
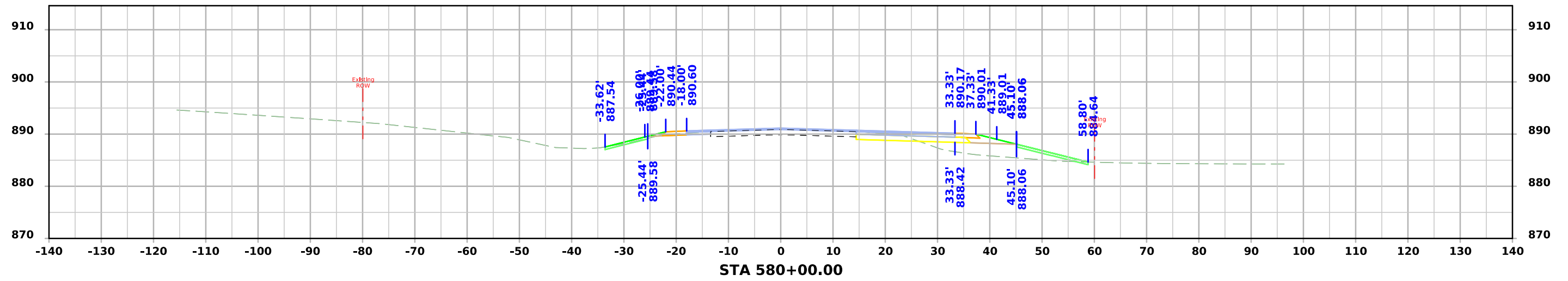
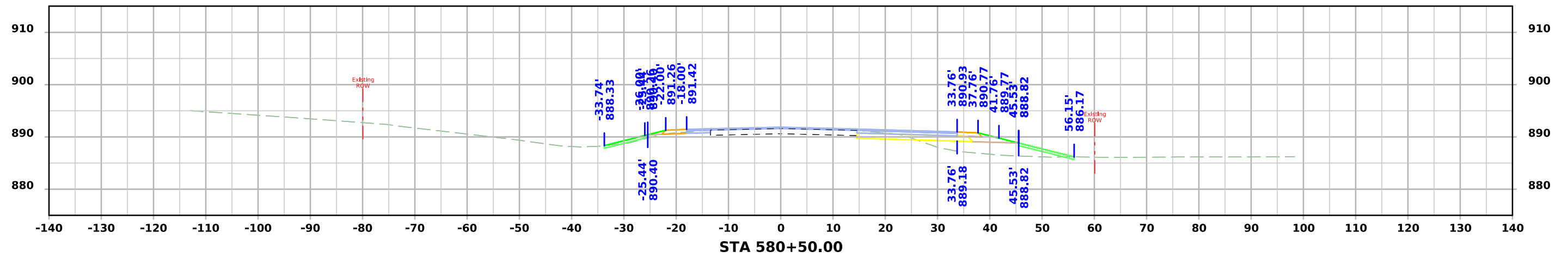
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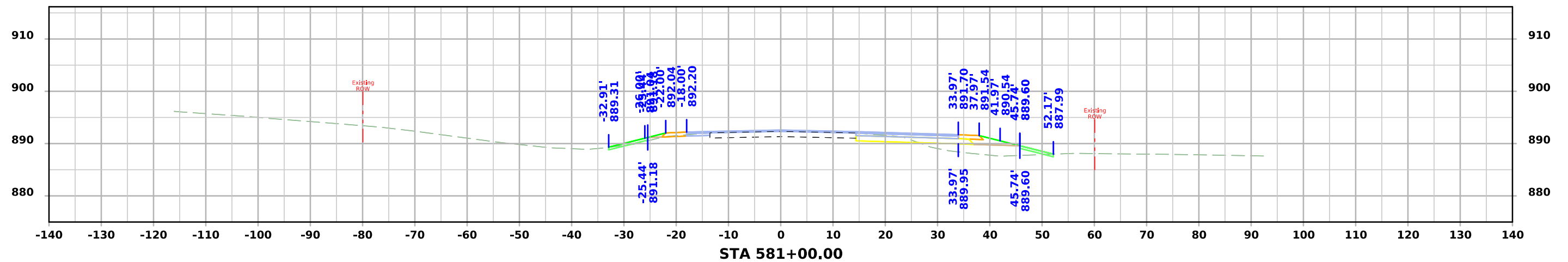
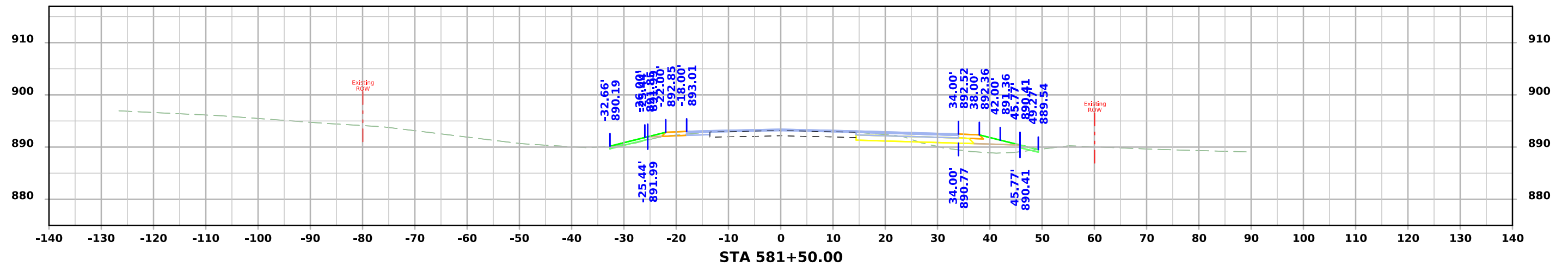
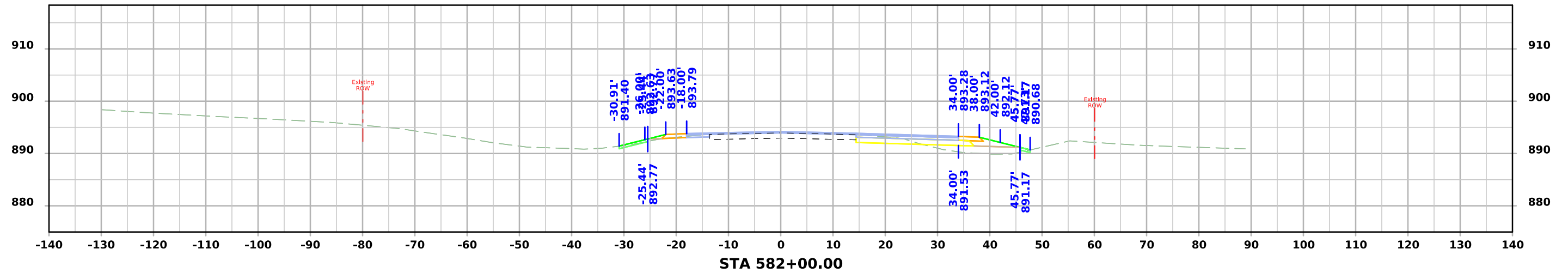
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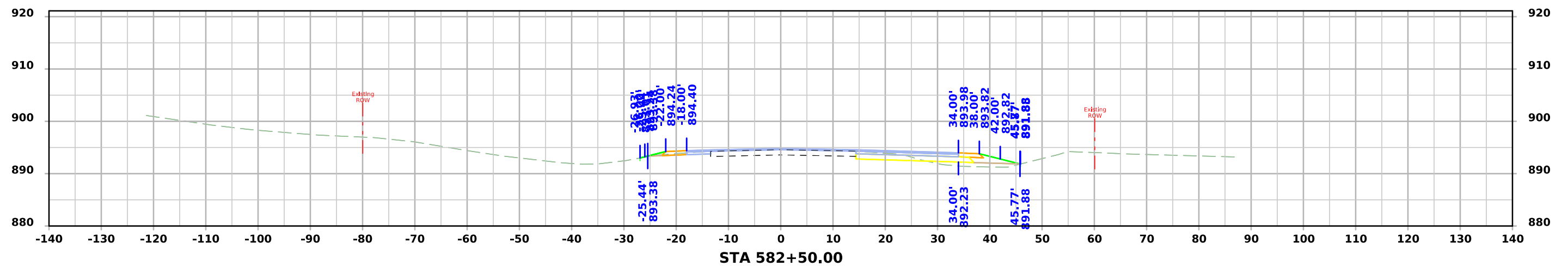
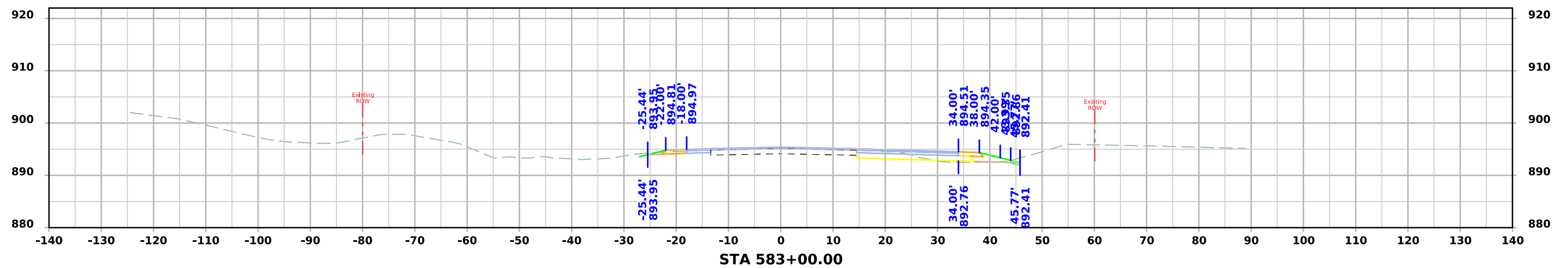
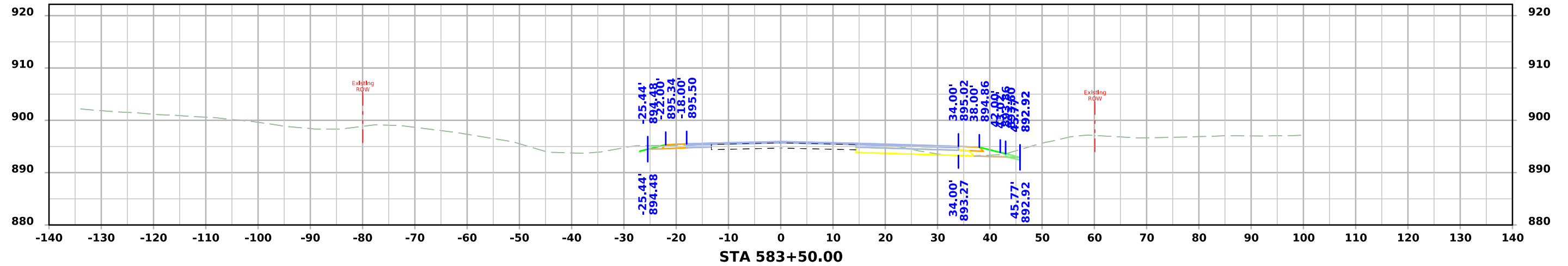
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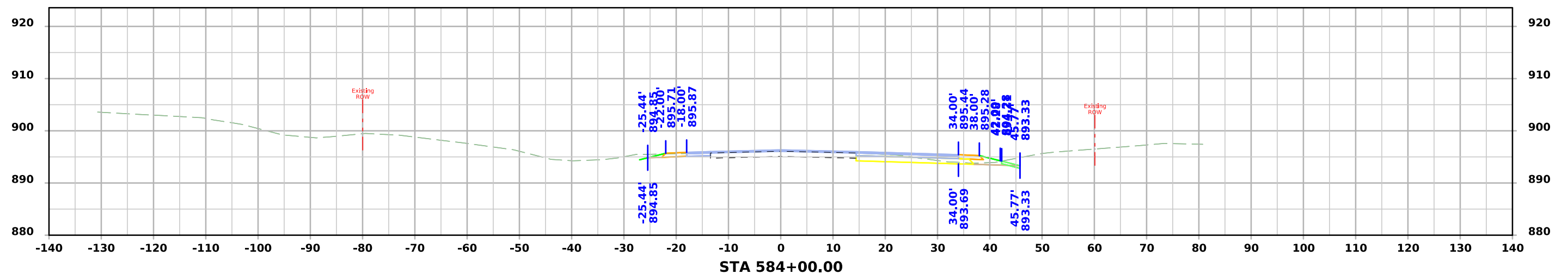
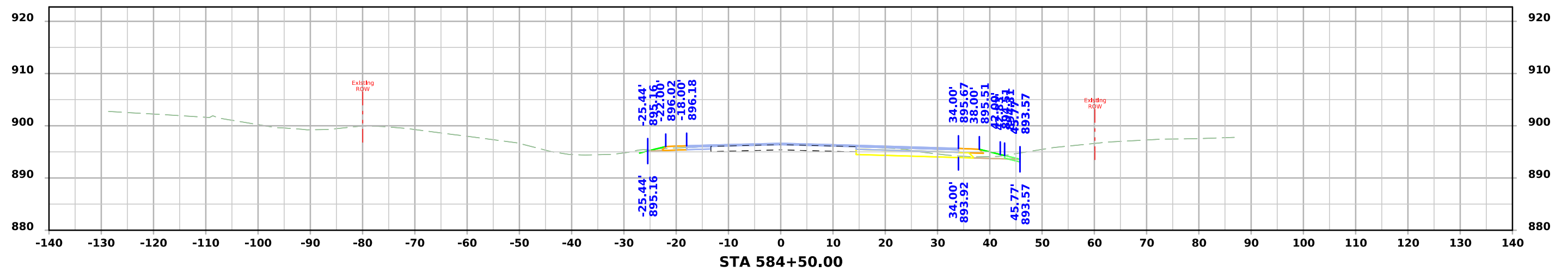
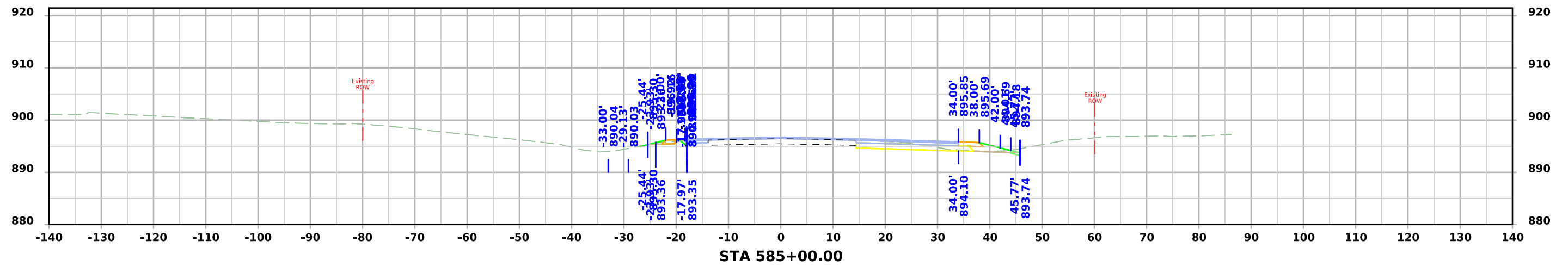
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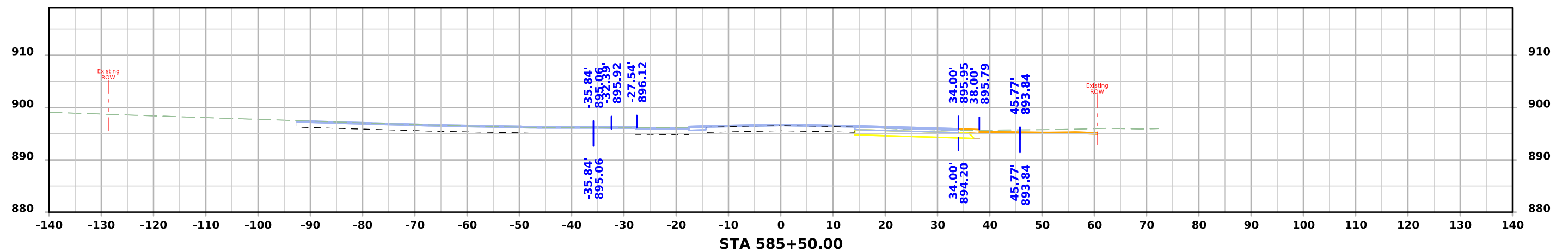
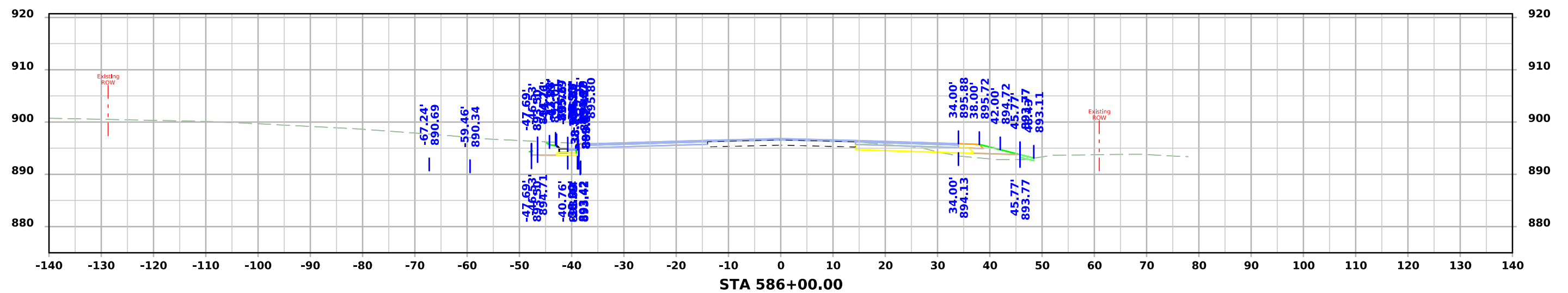
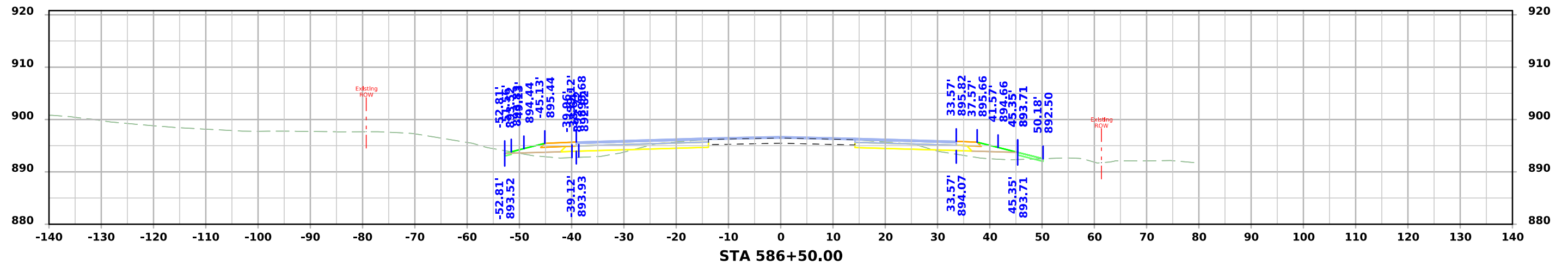
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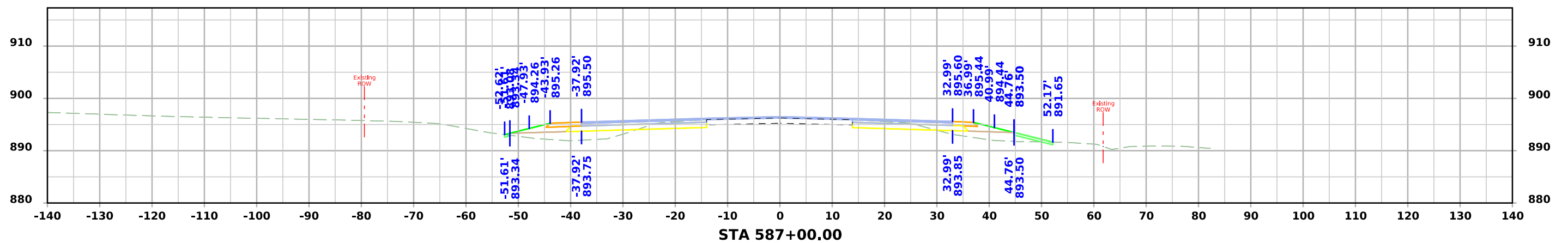
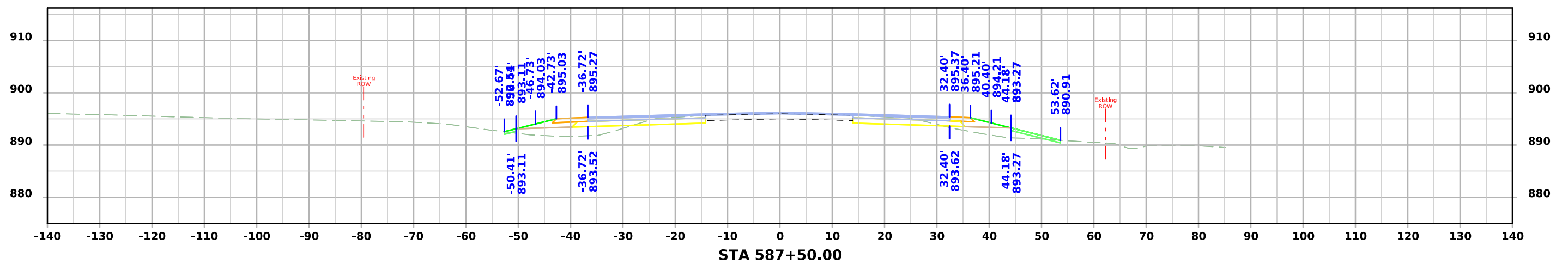
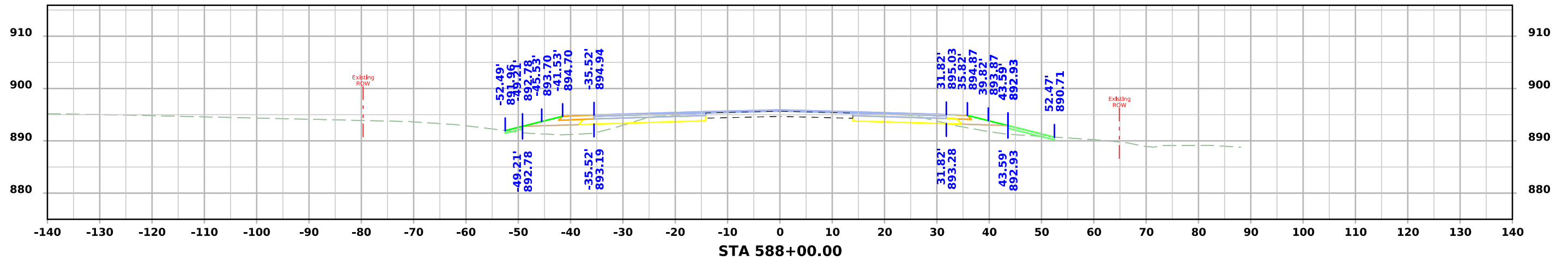
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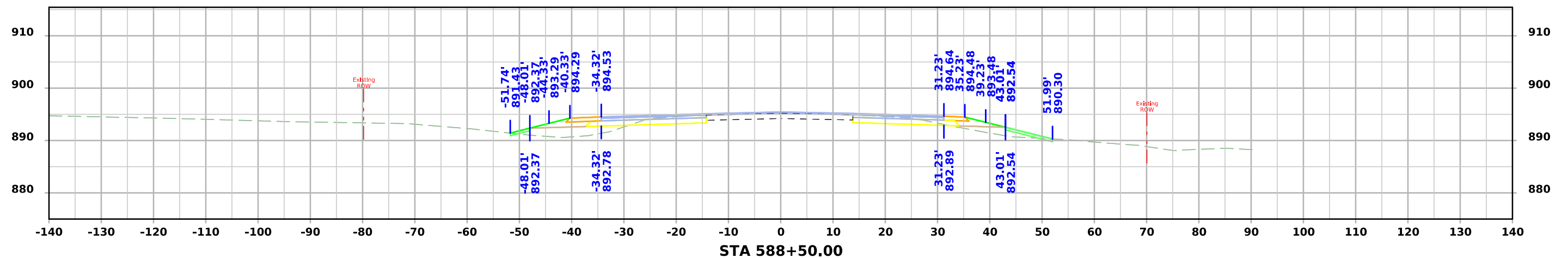
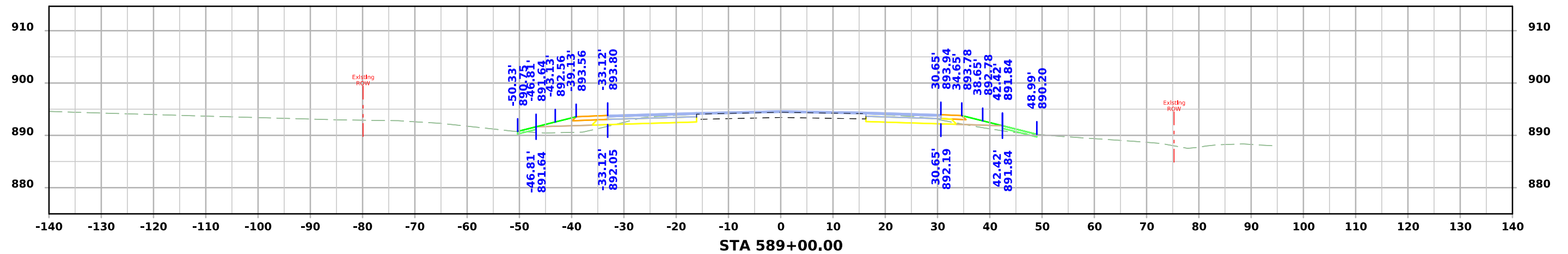
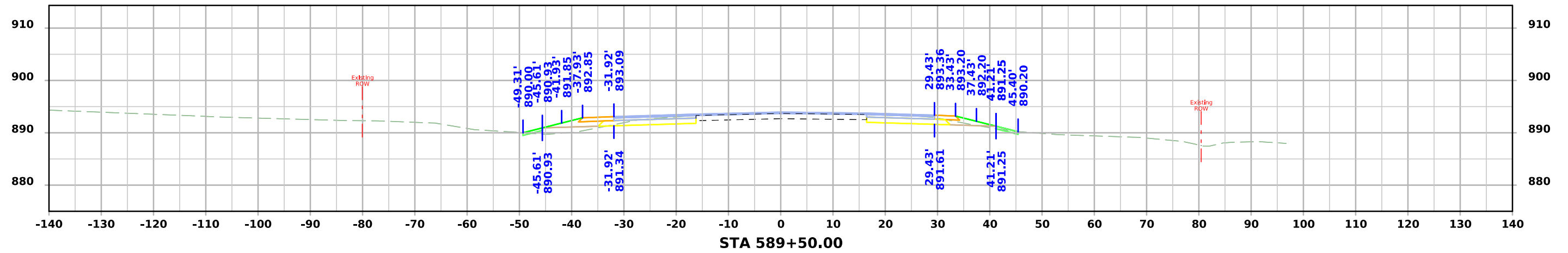
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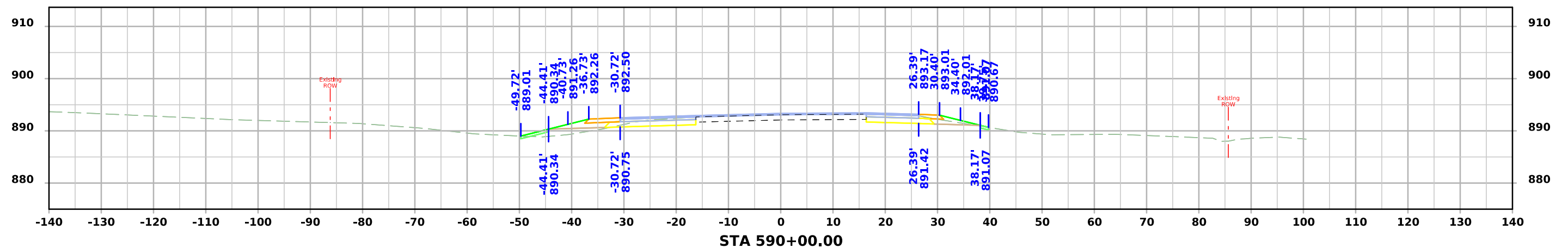
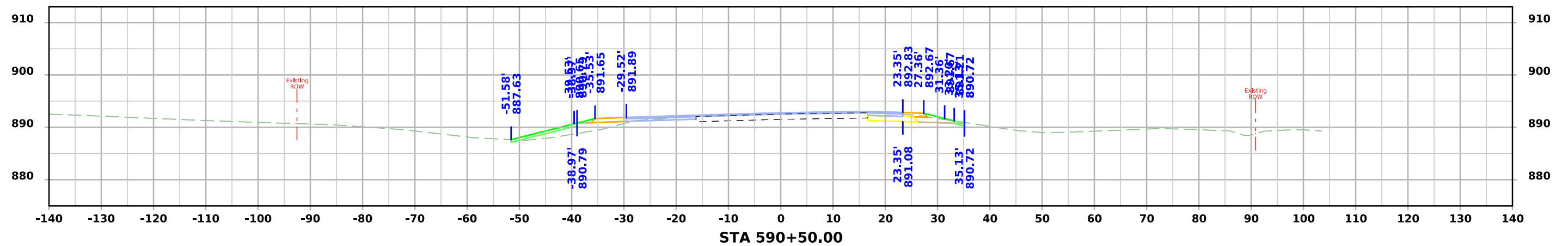
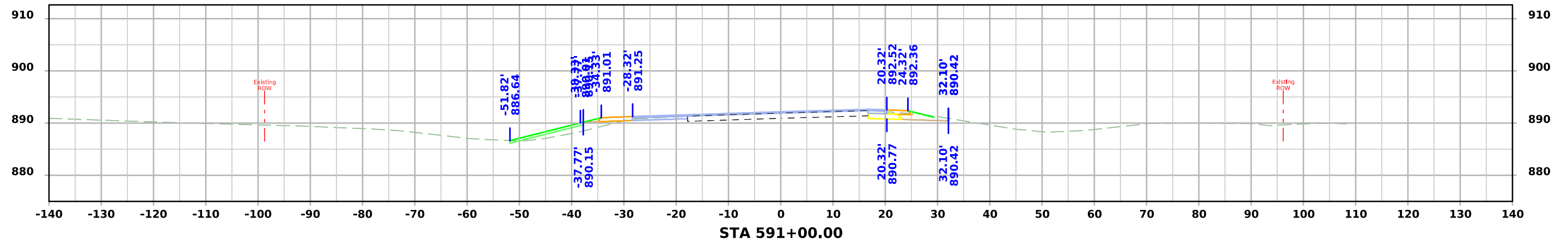
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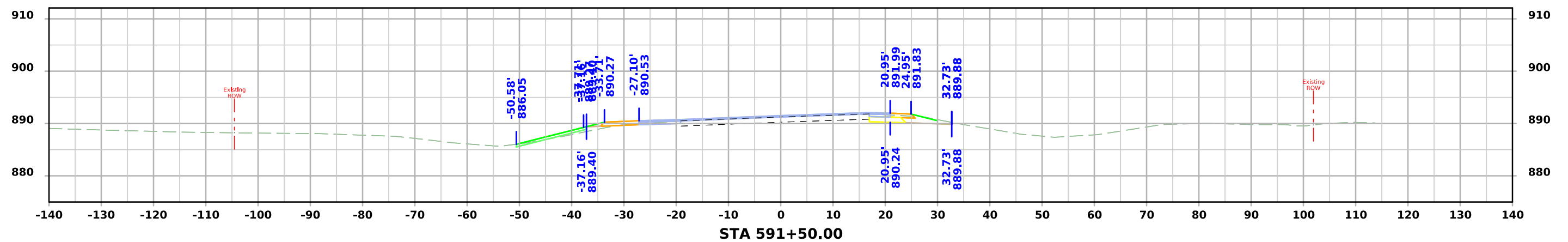
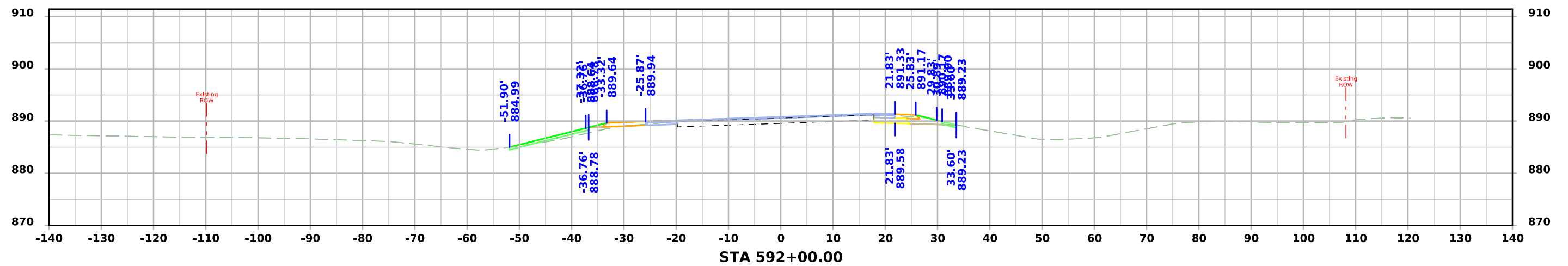
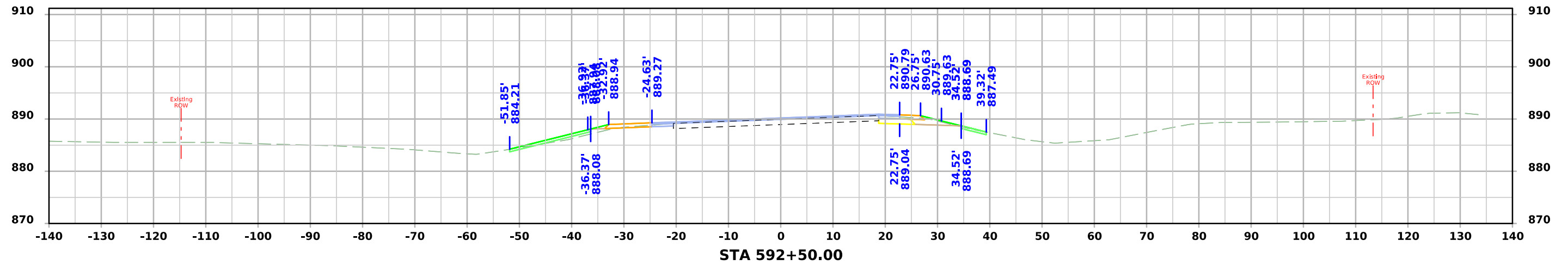
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