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IOWA | DOT

TRANSPORTATION DEVELOPMENT DIVISION

PLANS OF PROPOSED IMPROVEMENT ON THE

URBAN ROAD SYSTEM

CITY OF DENVER

PCC SIDEWALK/ TRAIL

IN THE CITY OF DENVER, SIDEWALK FROM
FORREST AVE/N STATE ST NORTHEAST
TO TRAIL LOOP; TRAIL LOOP WITHIN
BRANDT PARK.
SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.13 of the Specifications.

This project is covered by a Bremer County, Iowa Floodplain Development Permit which satisfies Iowa DNR Floodplain Construction Permit No. 2026-0781.



MILEAGE SUMMARY			105-1
			09-27-94
Div.	Location	Lin. Ft.	Miles
I	Brandt Park Entrance		
I	STA. 00+00.00 TO STA. 6+15.00	615.00	0.116
I	Brandt Park Trail		
	STA. 100+00.00 TO STA. 115+79.00	1,579	0.299
TOTAL LENGTH OF PROJECT		2,194.00	0.415

DESIGN DATA URBAN	
20 - AADT	- V.P.D.
20 - AADT	- V.P.D.
20 - DHV	- V.P.H.
TRUCKS	- %
Total	
Design ESALs	-

INDEX OF SEALS		
A.1	Anthony Hemann	Primary Signature Block

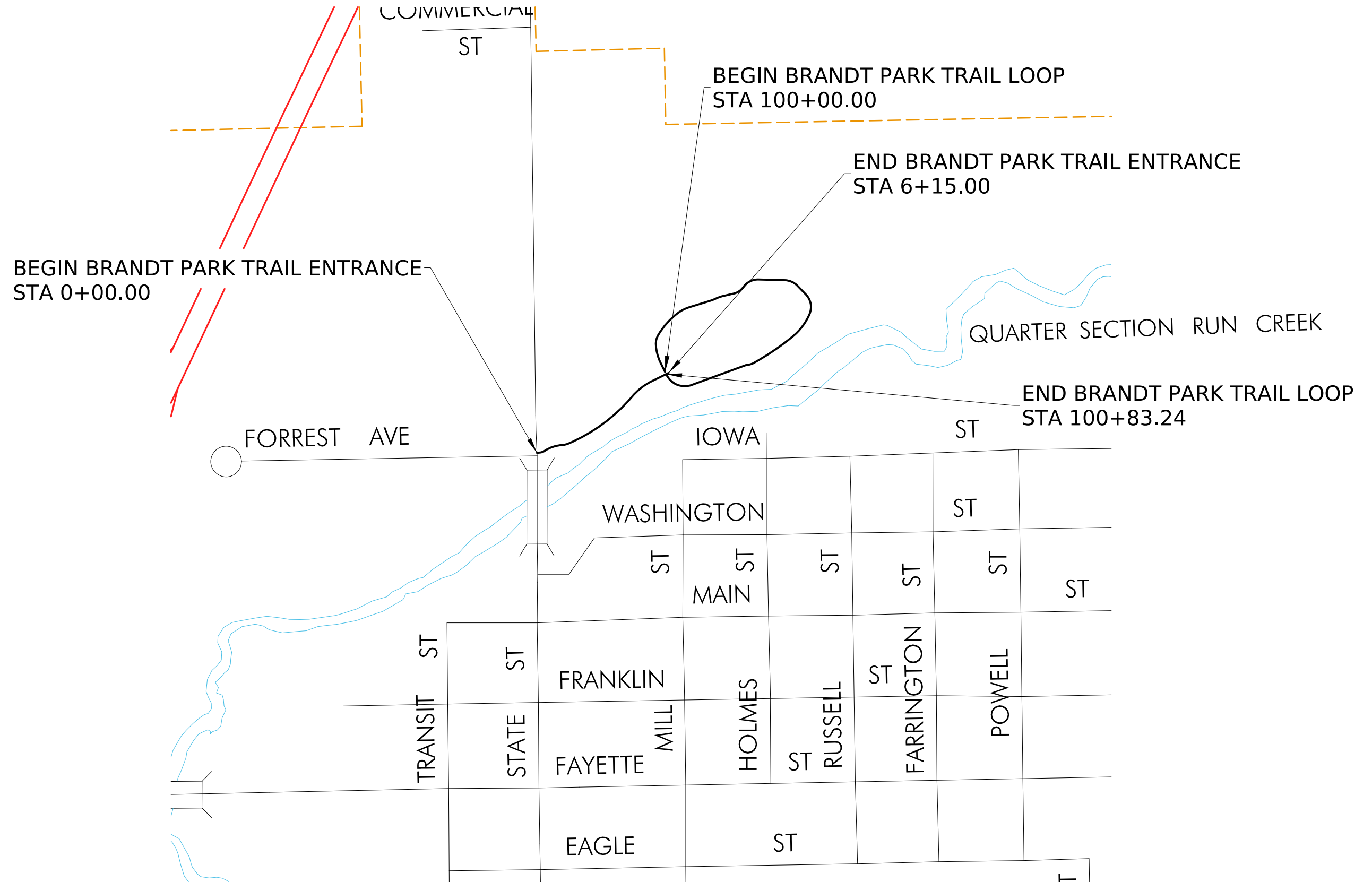
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: *Anthony Hemann* Date: 06-16-26

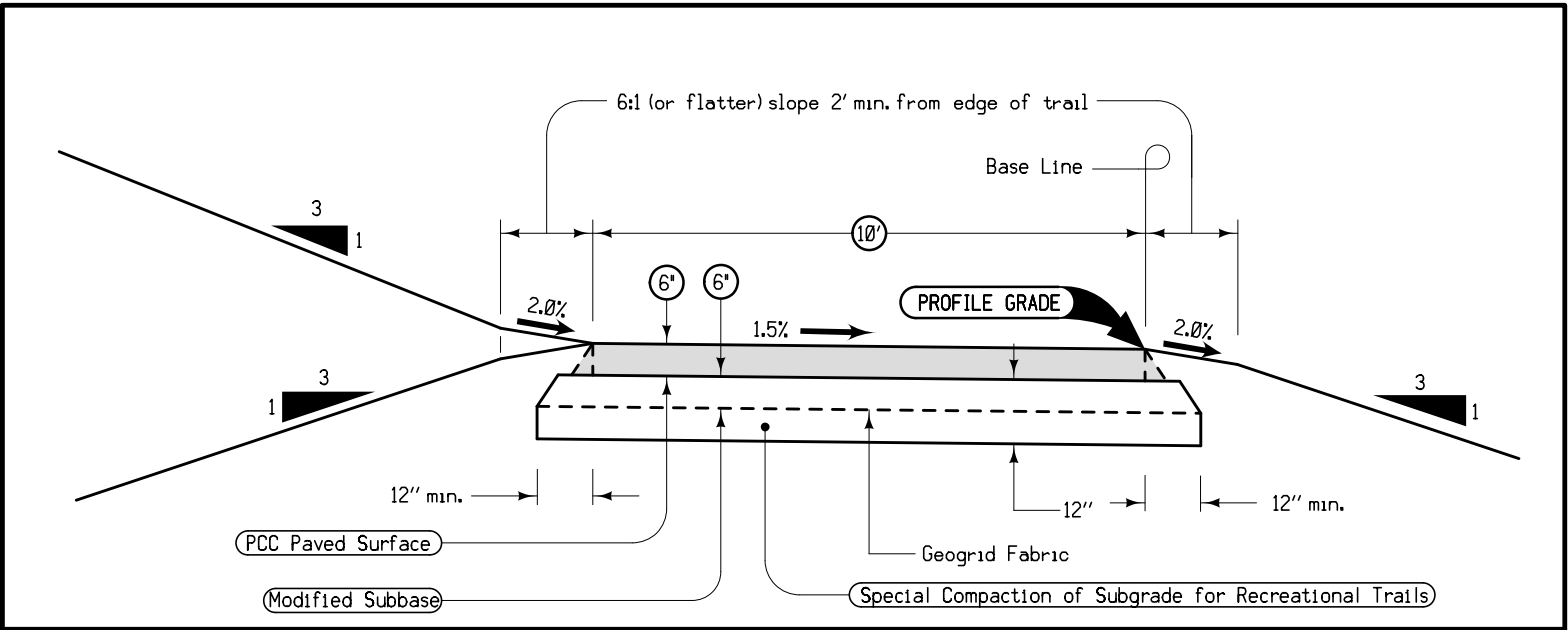
Printed or Typed Name: ANTHONY HEMANN

My license renewal date is December 31, 2027

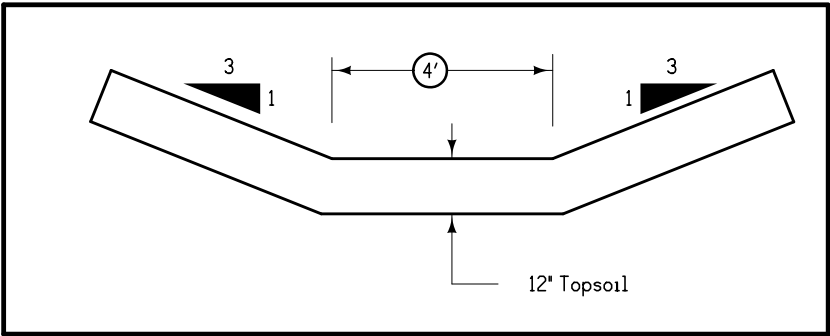
Pages or sheets covered by this seal: ALL SHEETS



LOCATION MAP
NOT TO SCALE

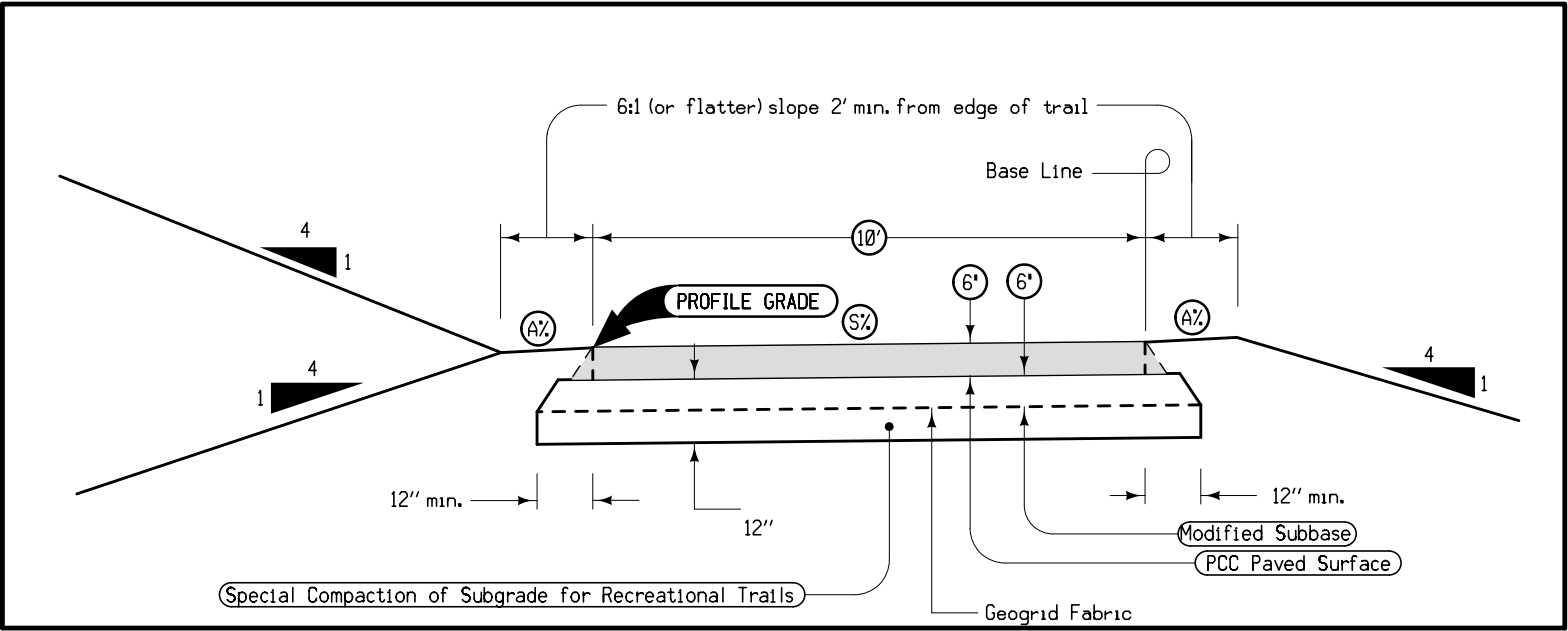


BRANDT PARK TRAIL TYPICAL ENTRANCE



DITCH GRADING TYPICAL

BEGIN STATION	END STATION
0+00.00	6+15.14



BRANDT PARK TRAIL TYPICAL LOOP

BEGIN STATION	END STATION	(S%)	(A%)
100+00.00	105+48.91	+1.5	+2.0
105+48.91	105+73.91	+1.5 to -1.5	+2.0 to -2.0
105+73.91	115+28.97	-1.5	-2.0
115+28.97	115+53.97	-1.5 to +1.5	-2.0 to +2.0
115+53.97	115+83.24	+1.5	+2.0

100-010 8/15/22
PROJECT DESCRIPTION
This project is for the construction of a recreational trail at Brandt Park in Denver, Iowa.

ESTIMATED PROJECT QUANTITIES (1 DIVISION PROJECT)						100-1A 07-15-97
Item No.	Item Code	Item	Unit	Total	As Built Qty.	
1	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	750.0		
2	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	850.0		
3	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	2950.0		
4	2115-0100000	MODIFIED SUBBASE	CY	520.0		
5	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	150.0		
6	2422-0360018	APRONS, UNCLASSIFIED, 18 IN. DIA.	EACH	4		
7	2422-1722018	CULVERT, UNCLASSIFIED ENTRANCE PIPE, 18 IN. DIA.	LF	90.0		
8	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	50.0		
9	2507-3250005	ENGINEERING FABRIC	SY	45.0		
10	2507-8029000	EROSION STONE	TON	60.0		
11	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	2410.0		
12	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	22.00		
13	2511-6745900	REMOVAL OF SIDEWALK	SY	10.8		
14	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	9.7		
15	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	34.0		
16	2511-7528101	DETECTABLE WARNINGS	SF	52		
17	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	83.0		
18	2514-0000200	REMOVAL OF CURB	STA	0.90		
19	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	189.0		
20	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	17.0		
21	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	2		
22	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	5		
23	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT BASED	STA	11.70		
24	2528-8445110	TRAFFIC CONTROL	LS	1.00		
25	2533-4980005	MOBILIZATION	LS	1.00		
26	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	2775.0		
27	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	2775.0		
28	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	10.0		
29	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	4		
30	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	2		

ESTIMATE REFERENCE INFORMATION			100-4A 10-29-02
Item No.	Item Code	Description	
1	2102-2710090	EXCAVATION, CLASS 10, WASTE Item is for excavation of existing granular material for driveway paving, trail construction excavation beyond topsoil stripping, and excess topsoil. All waste must be removed from the project site.	
2	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD Strip 12 inches of topsoil within the limits of grading. After trail paving is completed, spread the stockpiled topsoil to a 12 inch depth across the grading area. Ensure topsoil is free of material 2 inch in diamter or greater including clods, rocks and other debris. Seed the disturbed stockpile area as per Section 2601.05 of the Standard Specifications. Seeding of the stockpile areas shall be considered incidental to this bid item. Excess topsoil shall be removed from the project site and will be paid under Excavation, Class 10, Waste	
3	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID The area includes the proposed 6" recreational trail plus 1.0' on each side. See B-Sheets for typical sections.	
4	2115-0100000	MODIFIED SUBBASE Item is for the modified subbase under the paved surface of the recreational trail and driveways. See B-Sheets for typical sections.	
5	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE Item is for shaping of the gravel entrance into the park post construction.	
6-7	2422-0360018 2422-1722018	APRONS, UNCLASSIFIED, 18 IN. DIA. CULVERT, UNCLASSIFIED ENTRANCE PIPE, 18 IN. DIA. Refer to D-Sheets and Tabulation 102-3 for locations and details. AECOM will perform all construction staking for these items.	
8	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN. Item is for the removal of existing 18" CMP pipe. See Tabulation 110-14 and D-Sheets for locations and details.	
9	2507-3250005	ENGINEERING FABRIC Engineering fabric shall be placed prior to installing of erosion stone as shown on the D-Sheets and Tabulation 100-23.	

ESTIMATE REFERENCE INFORMATION			100-4A 10-29-02
Item No.	Item Code	Description	
10	2507-8029000	EROSION STONE Item includes all work including but not limited to bank shaping, furnish and placing all material, excavation and placing backfill material, and for furnishing all equipment, tools, and labor necessary to place the erosion stone. Erosion stone shall meet the requirements of Article 4130.	
11	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN. Refer to tabulation 113-1A and the D-Sheets for locations and details. Certified Plant Inspection (Section 2521 of the Specifications) is required for this item. Class C-4WR mix with Class 3 aggregate shall be used. Cold weather protection shall be paid for per IDOT Specifications 2301; however heating of water and other additional cold weather paving measures will be incidental to paving operations. AECOM will perform all construction staking for this item.	
12	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL Item is for the subgrade compaction to prepare for construction of the recreational trail. Refer to the B-Sheets for locations and details.	
13	2511-6745900	REMOVAL OF SIDEWALK Refer to Tabulation 110-8 for locations and details. Item includes full-depth saw cut and disposal of pavement. Removal limits may be lengthened to reach an existing joint. Existing sidewalk thickness is estimated to be 4-inches thick.	
14-15	2511-7526004 2511-7526006	SIDEWALK, P.C. CONCRETE, 4 IN. SIDEWALK, P.C. CONCRETE, 6 IN. Refer to Tabulation 113-1A in the C-Sheets and the S-Sheets for locations and details. Incidental to bid items is 6" subgrade preparation and any over excavation and bedding material needed to stabilize the subgrade prior to construction of the sidewalk. Class C-4WR mix with Class 3 aggregate shall be used. Cold weather protection shall be paid for per IDOT Specifications 2301; however heating of water and other additional cold weather paving measures will be incidental to paving operations. Certified plant inspection (Section 2521 of the Standard Specifications) is required for sidewalk items. AECOM will perform all construction staking for these items.	
16	2511-7528101	DETECTABLE WARNINGS Cast iron detectable warnings are required in all areas as shown in the S-Sheets.	
17	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT. Refer to Tabulation 112-4 for locations and details. The curb and gutter shall match the existing pavement thickness or 7" minimum. Construction curb drops for sidewalk per PV-102. Gutter tie-in joint may be extended to reach existing joints. Certified plant inspection (Section 2521 of the Standard Specifications) is required for curb items. AECOM will perform all construction staking for this item.	
18	2514-0000200	REMOVAL OF CURB Refer to Tabulation 110-4 for locations. All full depth saw cuts and proper disposal of pavement shall be included in this item.	
19	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN. See Tabulation 102-3 and the D-Sheets for locations and details. Certified Plant Inspection (Section 2521 of the Specifications) is required for this item. Maturity meter testing is required for driveway opening strength. Use Class 3 durability aggregate. AECOM will perform all construction staking for this item.	
20-22	2524-9276010 2524-9276021 2524-9325001	PERFORATED SQUARE STEEL TUBE POSTS PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION TYPE A SIGNS, SHEET ALUMINUM Refer to Tabs 190-51, 190-66 and N-Sheets for locations and details. All signs and sign retroreflective sign sheets shall meet the requirements of the 11th Edition of MUTCD.	
23	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT BASED Refer to Tabulation 108-22, 108-22A, and the N-Sheets for locations and details.	
24	2528-8445110	TRAFFIC CONTROL See Tabulation 105_4 for Standard Road Plans that may be used and followed for traffic control.	
25	2533-4980005	MOBILIZATION Since the area to be seeded is estimated to be less than 1 acre (17,300 square feet), preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will not be paid for separately. If outisde of permanent seeding dates in Section 2601 of the Standard Specifications, placing stabilizing crop, fertilizer, and mulch are incidental to mobilization and will not be paid for separately.	
26	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA. Refer to Tabulation 100-19. Verify locations with Engineer prior to placement. Bid item includes 25% additional quantity for field adjustments and replacements. Use devices fabricated using wood excelsior. AECOM will perform all construction staking for this item.	
27	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE All material removed shall become property of the Contractor. Sediment buildup and ridges caused by devices are to be leveled prior to seeding operations.	
28-30	2602-0000500 2602-0000510 2602-0000520	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602 MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER Refer to Tabulation 100-36 and the RR-Sheets for locations. See EC-602 for details. All material removed shall become property of the Contractor.	

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STANDARDS			105_04 4/21/26
The following Standards apply to construction work on this project.			
Number	Date	Title	
EC-204	10/19/2021	Perimeter, Slope and Ditch Check Sediment Control Devices	
EC-301	10/18/2022	Rock Erosion Control (REC)	
EC-602	10/15/2024	Open-Throat Curb Intake Sediment Filter	
MI-210	10/21/2025	PCC Driveways and Alleys	
MI-220	4/15/2025	Detectable Warnings and Pedestrian Ramp	
PM-110	10/15/2024	Line Types	
PV-101	10/20/2026	Joints	
PV-102	10/21/2025	PCC Curb Details	
TC-1	10/15/19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)	
TC-202	04/18/23	Work Within 15 ft of Traveled Way	
TC-273	10/15/19	Construction Site Entrance	
TC-433	10/17/17	Pavement Marking Operations	

SIDEWALK REMOVAL					110_05 8/15/22
* Not a bid item					
Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks	
63+09.39	63+36.58	10.8	3.7	4" PCC, N State St	
Total:		10.8	3.7		

CURB REMOVAL					110_04 8/15/22
Station From	Station To	Side	Length (STA)	Remarks	
63+31.23	63+42.17	Left	0.15	N State St	
63+69.25	63+99.32	Left	0.75	N State St	
Total:		0.9			

SMALL QUANTITY CONCRETE TESTING	290_02 9/28/22
- Test air and slump once per 30 cy placed, or minimum of once per day. - Verification gradations will not be required for this project. However, the Contractor will be expected to provide certified plant inspection. - The Contractor has the option of using the following minimum opening times in lieu of flexural testing: - 48 hours for pedestrian traffic - 72 hours for curb and gutter or patching	

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.
BCY4: Broken Centerline (Yellow) @ 0.17 BCY6: Broken Centerline (Yellow) @ 0.25 BLC6: Broken Line Contrast (White/Black) @ 0.50
CBW6: Crosswalk Bar (White) @ 10.00 CHW8: Channelizing Line (White) @ 1.33 CHW10: Channelizing Line (White) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00 DCY4: Double Centerline (Yellow) @ 1.34 DCY6: Double Centerline (Yellow) @ 2.00
DLW4: Dotted Line (White) @ 0.22 DLW6: Dotted Line (White) @ 0.33 DLY4: Dotted Line (Yellow) @ 0.22
ELW6: Edge Line Right (White) @ 1.00 ELY4: Edge Line Left (Yellow) @ 0.67 ELY6: Edge Line Left (Yellow) @ 1.00
MNY6: Median Nose (Yellow) @ 1.00 NPY4: No Passing Zone Line (Yellow) @ 0.84 NPY6: No Passing Zone Line (Yellow) @ 1.25
RLY4: Ramp Edge Line Left (Yellow) @ 0.67 RLY6: Ramp Edge Line Left (Yellow) @ 1.00 SLW2: Stop Line (White) @ 4.00
SPW4: Sloped Curb 4" (White) @ 2.16 SPW6: Sloped Curb 6" (White) @ 2.28 SPY4: Sloped Curb 4" (Yellow) @ 2.16
STY6: Standard Curb 6" (Yellow) @ 2.03 YLW2: Yield Line (White) @ 1.15

BLW4: Broken Lane Line (White) @ 0.17 BLW6: Broken Lane Line (White) @ 0.25
CHY8: Channelizing Line (Yellow) @ 1.33 CHY10: Channelizing Line (Yellow) @ 1.67
DDY4: Double Dotted Line (Yellow) @ 0.44 DDY6: Double Dotted Line (Yellow) @ 0.67
DLY6: Dotted Line (Yellow) @ 0.33 ELW4: Edge Line Right (White) @ 0.67
LDW8: Lane Drop (White) @ 0.33 LDW10: Lane Drop (White) @ 0.42
RLW4: Ramp Edge Line Right (White) @ 0.67 RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67 SLW6: Solid Lane Line (White) @ 1.00
SPY6: Sloped Curb 6" (Yellow) @ 2.28 STW6: Standard Curb 6" (Yellow) @ 2.03

Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	CBW6 Factored (STA)	CLW6 Factored (STA)	DCY4 Factored (STA)	ELW4 Factored (STA)	Remarks
N State St	62+42.96	63+22.83	SB	Waterborne/Solvent Paint	X			No				0.54	
N State St	62+48.96	64+98.96	Both	Waterborne/Solvent Paint		X		No			3.40		
N State St	62+56.52	63+76.51	NB	Waterborne/Solvent Paint			X	No				0.80	
N State St	63+35.78	63+77.79	Both	Waterborne/Solvent Paint	X			No		0.90			
N State St	63+80.97	63+80.97	Both	Waterborne/Solvent Paint		X		No	5.10				
N State St	63+99.49	64+89.49	SB	Waterborne/Solvent Paint	X			No				0.60	
N State St	64+48.66	64+98.66	NB	Waterborne/Solvent Paint			X	No				0.36	
Total:									5.1	0.9	3.4	2.3	

Bid Quantity: Factored Painted Pavement Markings, Waterborne or Solvent-Based: 11.70 STA

SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL

* Not a bid item

Location Description	Sewer and Work Type	≤ 36 inch Diameter (LF)	> 36 inch Diameter (LF)	Plug Quantity (EA)	* Flowable Mortar or CLSM (CY)	Remarks
18" CMP at 1+30.58	Storm Sewer - Removal	34.0				Entrance
18" CMP at 5+86.67	Storm Sewer - Removal	16.0				Entrance
Total:		50				

MATERIALS FOR TYPE 'A' SIGNS

Refer to SI-101, SI-111, SI-119 and N Sheets.

Type A Signing Typicals	Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Perf. Sq. Steel Leg 1 (FT)	Perf. Sq. Steel Leg 2 (FT)	Perf. Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Steel Rect. Tube (No)	Steel Rect. Tube (FT)	Rect. Tube Anchors (EA)	Type A Bracket One Post	Type A Bracket Two Post	Type A Bracket Auxiliary	Type A Bracket (H)	Type A Bracket (F)	Type A Bracket (F1)	Install. Type	Install. Dim X (FT)	Install. Signing Notes	Remarks
W7-5	S-1	EB	+6.00				8.5			Soil	1										1	4.0	IA, PP	
W7-5	S-2	WB	1+75.00				8.5			Soil	1										1	4.0	IA, PP	
Total:							17				2													

Note: DIM 'X' FT is the distance between the trail edge and the center of the signage.

102_03

Modified

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.

(1) Refer to MI-210.

(2) Refer to EW-501.

(3) Refer to EW-501 or EW-502.

*Predetermined for access point not constructed with this project.

Station	Side	Access Type	Descriptor	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	4" Modified Subbase (CY)	Remarks
+..10	Left	C					52.8				18.0	50.0			2	PCC	144.6	17.200	Entrance
110+11.53	Right	C					10.0									PCC	22.2	3.400	Loop
100+14.43	Left	C					10.0				18.0	40.0			2	PCC	22.2	3.400	Loop
Total:																	189	24	

300_99 Modified SIDEWALK AND TRAILS See S Sheets											
Intersection/ Road	Station From	Station To	Side	Width (FT)	S (%)	4 IN PCC Sidewalk (SY)	6 IN PCC Sidewalk (SY)	6 IN PCC Rec. Trail (SY)	6 IN Modified Subbase (CY)	Detectable Warnings (SF)	Remarks
N State St	63+09.4	63+27.36	Left	5	1.5	9.7					
N State St	63+27.36	63+38.55	Left	5	1.5		5.2			10	
N State St	63+75.6	63+86.98	Left	Varies	1.5		6.1			22	
Brandt Park Trail Ent	0+00.00	6+01.6	Left	10	1.5			667	139	20	
Brandt Park Trail Loop	100+00.00	115+78.97	Right	10	1.5			1743	351		
Bench	0+00.00	0+50.00	Left	5	1.5		22.7		6		
Total:						9.7	34	2410	496	52	

112_04 8/15/22 CURBS AND RAISED ISLANDS Refer to PV-20, PV-102, and 6000s Detail Series. (1) Bid Item								
Point No.	Station	Offset (FT)	Island Interior Area (1) (SY)	Curb Type	Curb Height (IN)	Gutter Width (FT)	Length (1) (FT)	Remarks
1	63+34.89	31.0	2.9				10.5	N State St
2	63+69.12	49.0	20.4				72.5	N State St
Total:							83	

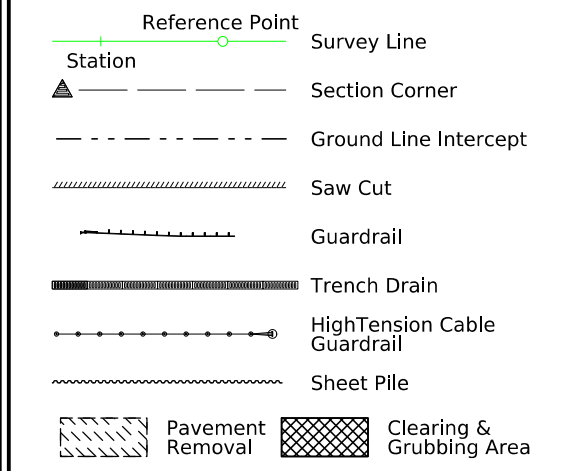
190_66 9/29/23 SUMMARY OF TYPE 'A' SIGNS				
Sign Number	Non-Standard Sign Number or Name	Quantity (EA)	Size (IN)	Total Sign Area (SF)
	W7-5	2	18 X 18	5.0
Total:		2		5

	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

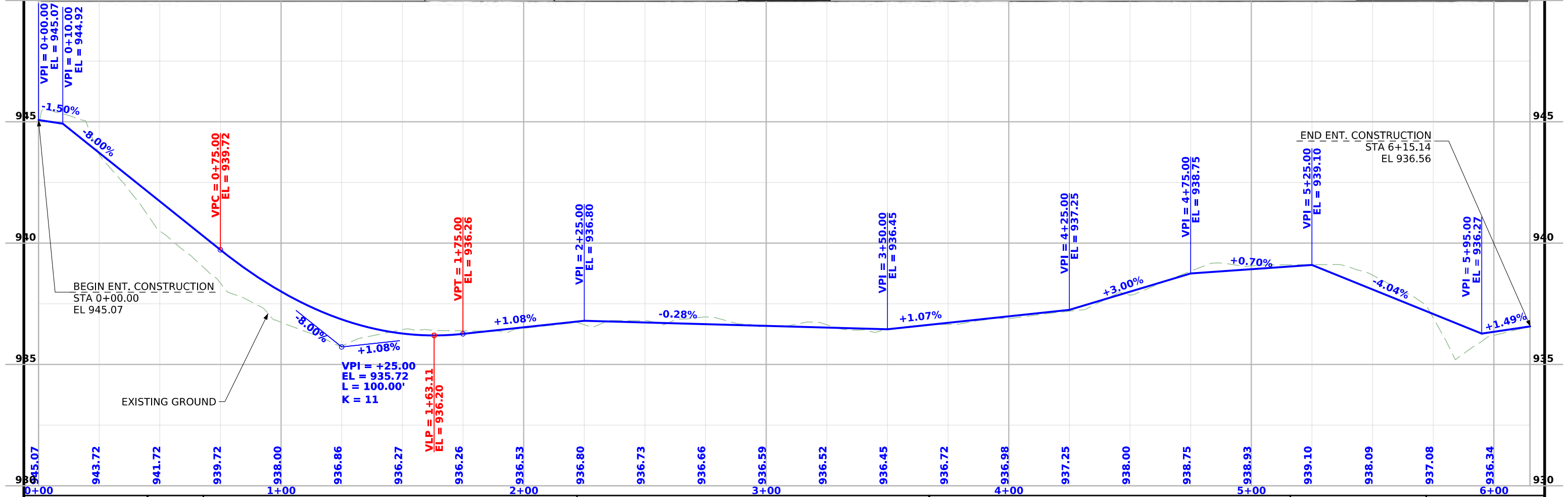
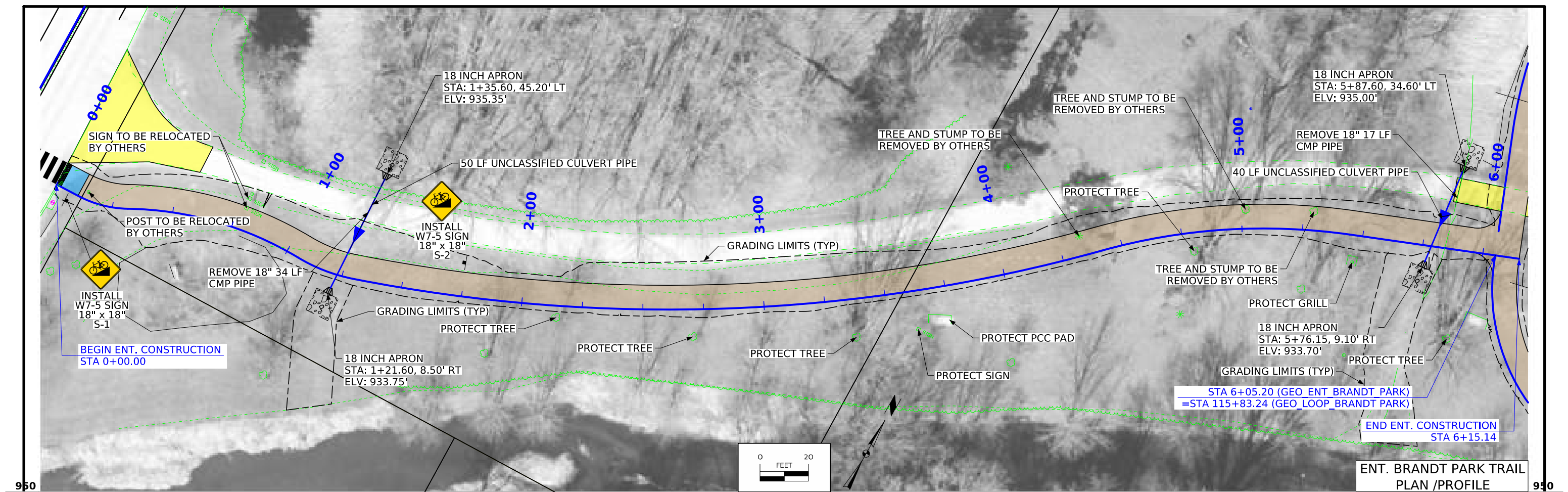
LINEWORK		Design Color No.		
Green	(2)		Existing Topographic Features and Labels	
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation	
Magenta	(5)		Existing Utilities	
SHADING		Design Color No.		Transparency
Pink, Dark	(13)		Temporary Pavement Shading	50%
Yellow	(4)		Proposed 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%

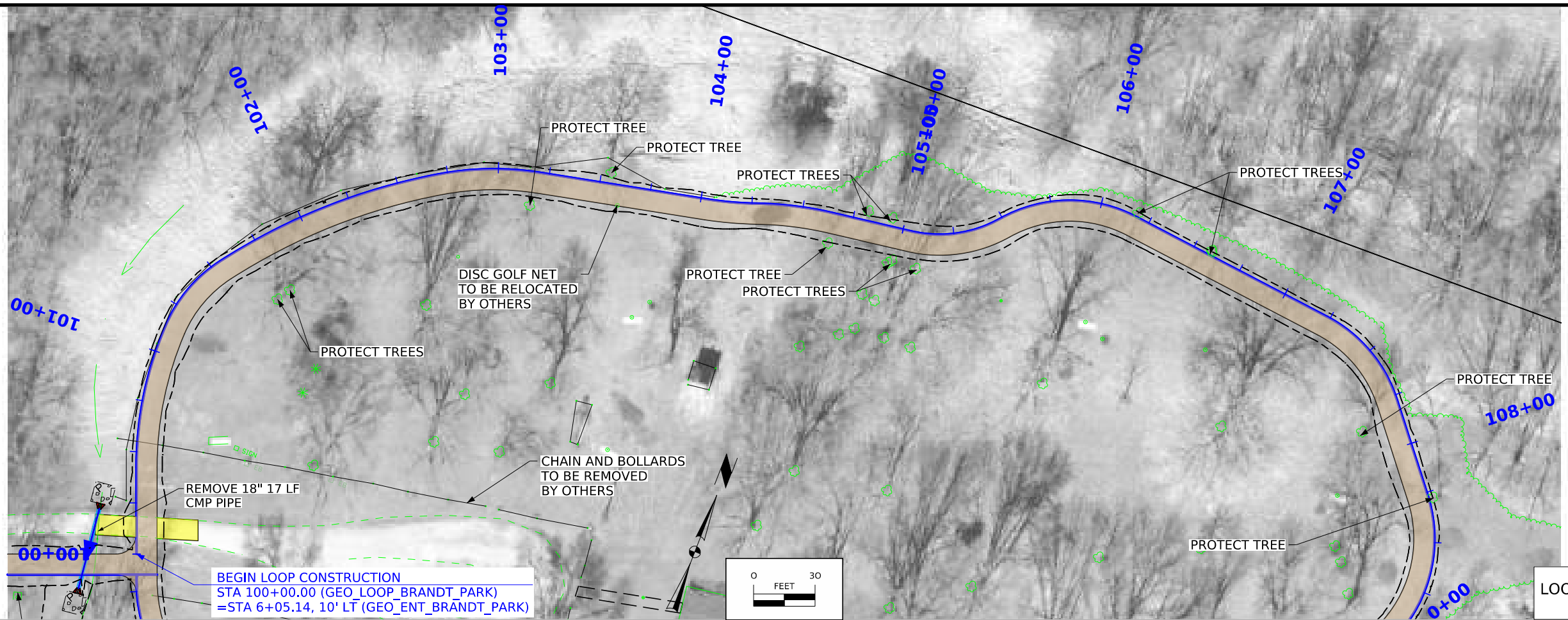
LINEWORK	Design Color No.	
Green	(10)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right



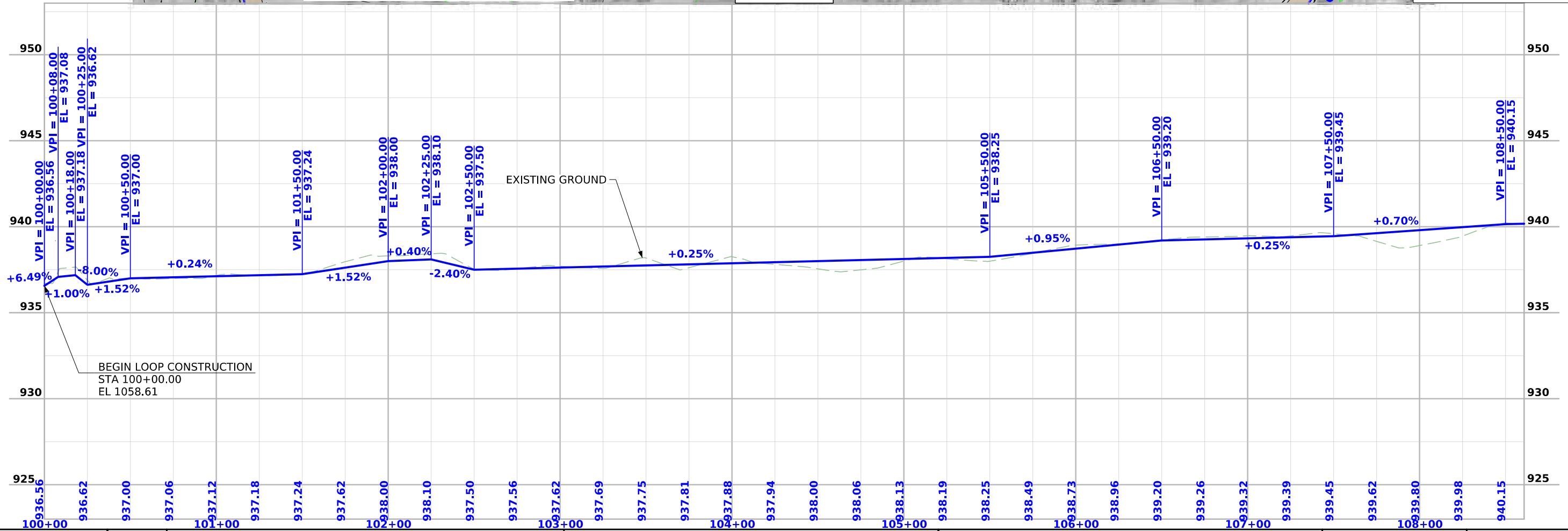
- Proposed Right-of-Way Symbol
- Proposed Right-of-Way Line
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary) Symbol
- Easement (Temporary) Line
- Easement
- Access Control
- Property Line Symbol
- Property Line

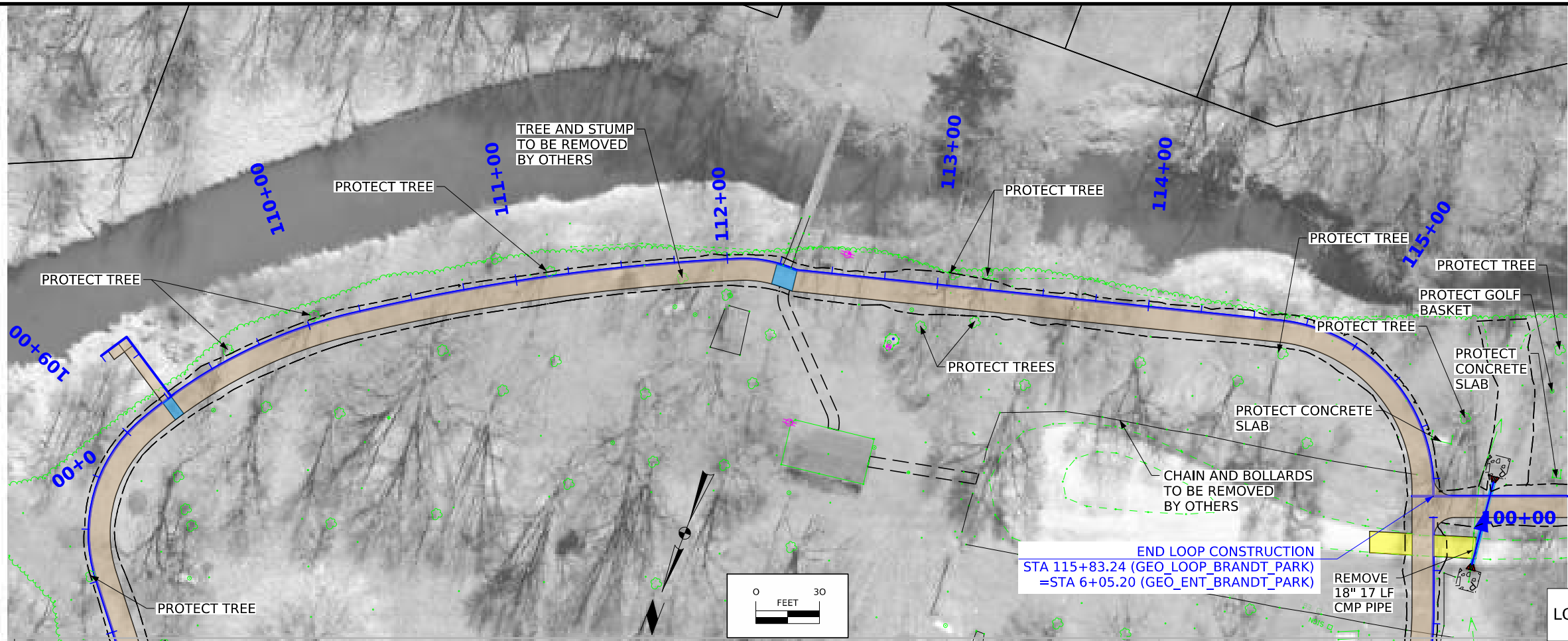
(COVERS SHEET SERIES D, E, F, & K)



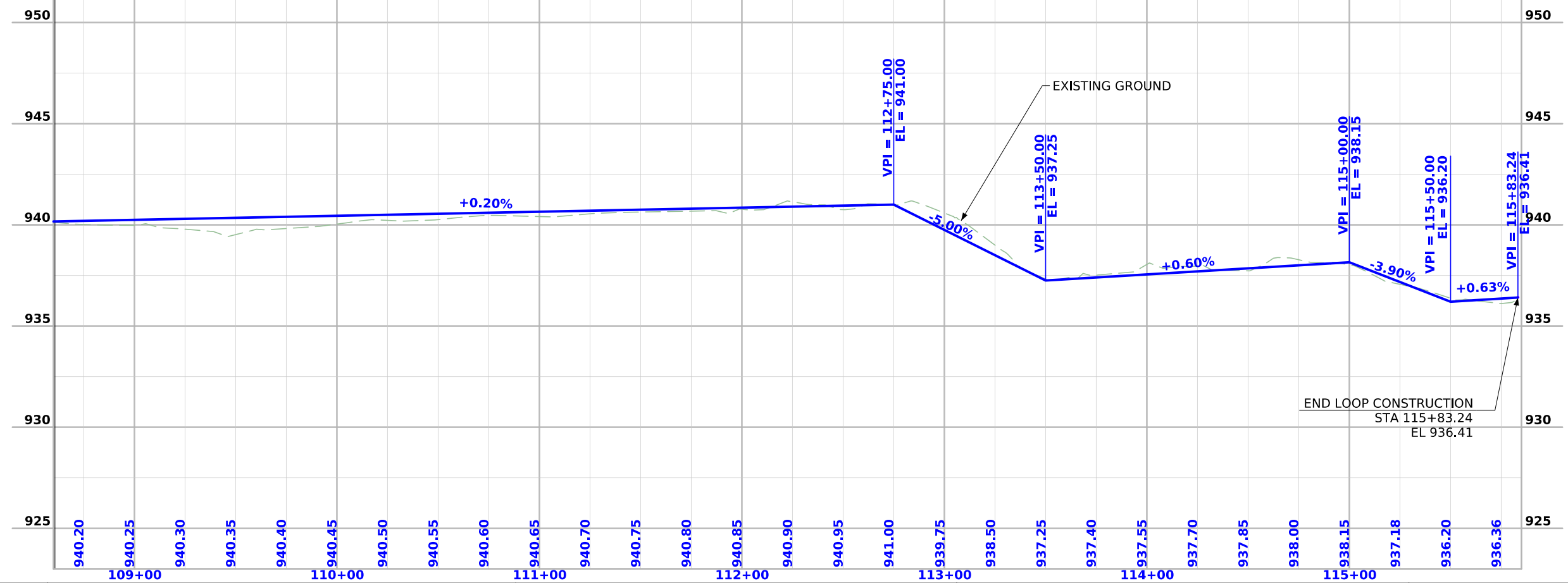


LOOP BRANDT PARK TRAIL
PLAN /PROFILE





LOOP BRANDT PARK TRAIL
PLAN /PROFILE

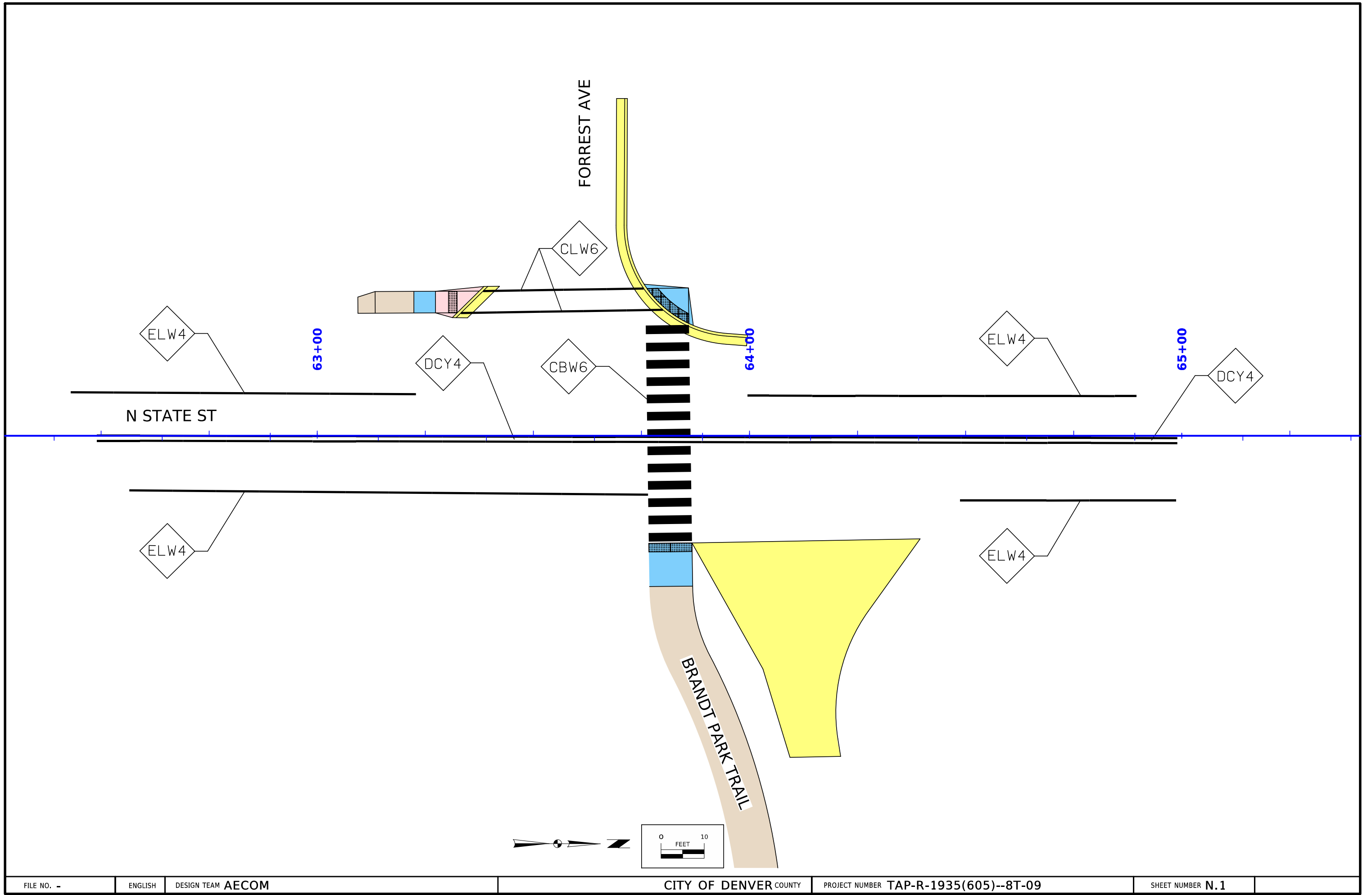


101-16
10-20-09

ALIGNMENT COORDINATES																			
Name	Location	Point on Tangent			Begin Spiral		Begin Curve			Simple Curve PI or Master PI of SCS			End Curve			End Spiral			
		Station	Coordinates		Station	Coordinates	Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		
			Y (Northing)	X (Easting)				Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)	
1	GEO_Ent_Brandt_Park	0+00.00	8909127.44	15476559.22															
2	GEO_Ent_Brandt_Park							0+10.38	8909127.57	15476569.61	0+21.12	8909127.70	15476580.34	0+31.46	8909132.67	15476589.86			
3	GEO_Ent_Brandt_Park							0+31.46	8909132.67	15476589.86	0+69.20	8909150.13	15476623.32	1+05.19	8909148.40	15476661.03			
4	GEO_Ent_Brandt_Park							1+05.19	8909148.40	15476661.03	1+17.48	8909147.83	15476673.30	1+29.51	8909151.48	15476685.03			
5	GEO_Ent_Brandt_Park							1+29.51	8909151.48	15476685.03	2+88.38	8909198.67	15476836.72	4+41.48	8909308.94	15476951.08			
6	GEO_Ent_Brandt_Park							4+41.48	8909308.94	15476951.08	4+93.74	8909345.21	15476988.70	5+44.53	8909363.38	15477037.71			
7	GEO_Ent_Brandt_Park	6+15.14	8909387.93	15477103.92															
1	GeomBL_Loop_Brandt_Park	100+00.00 R1	8909393.83	15477091.07															
2	GeomBL_Loop_Brandt_Park							100+42.42 R1	8909433.60	15477076.32	100+78.48 R1	8909467.41	15477063.79	101+13.54 R1	8909503.42	15477065.64			
3	GeomBL_Loop_Brandt_Park							101+13.54 R1	8909503.42	15477065.64	101+34.91 R1	8909524.77	15477066.74	101+55.03 R1	8909541.86	15477079.57			
4	GeomBL_Loop_Brandt_Park							101+55.03 R1	8909541.86	15477079.57	102+13.60 R1	8909588.70	15477114.74	102+70.73 R1	8909618.87	15477164.95			
5	GeomBL_Loop_Brandt_Park							102+70.73 R1	8909618.87	15477164.95	102+95.87 R1	8909631.82	15477186.51	103+20.52 R1	8909636.76	15477211.16			
7	GeomBL_Loop_Brandt_Park							104+03.41 R1	8909653.04	15477292.43	104+15.24 R1	8909655.36	15477304.04	104+27.03 R1	8909659.30	15477315.19			
8	GeomBL_Loop_Brandt_Park							104+27.03 R1	8909659.30	15477315.19	104+45.96 R1	8909665.62	15477333.04	104+64.74 R1	8909667.99	15477351.82			
10	GeomBL_Loop_Brandt_Park							105+04.33 R1	8909672.95	15477391.09	105+27.61 R1	8909675.87	15477414.19	105+48.74 R1	8909693.60	15477429.27			
11	GeomBL_Loop_Brandt_Park							105+48.74 R1	8909693.60	15477429.27	105+86.65 R1	8909722.48	15477453.83	106+18.22 R1	8909717.69	15477491.43			
13	GeomBL_Loop_Brandt_Park							107+23.10 R1	8909704.45	15477595.47	107+51.78 R1	8909700.83	15477623.92	107+77.54 R1	8909678.29	15477641.65			
15	GeomBL_Loop_Brandt_Park							108+26.28 R1	8909639.98	15477671.79	108+72.85 R1	8909603.39	15477700.58	109+08.46 R1	8909562.69	15477677.95			
16	GeomBL_Loop_Brandt_Park							109+08.46 R1	8909562.69	15477677.95	109+65.56 R1	8909512.79	15477650.21	110+20.48 R1	8909481.18	15477602.66			
17	GeomBL_Loop_Brandt_Park							110+20.48 R1	8909481.18	15477602.66	111+12.83 R1	8909430.06	15477525.75	112+04.67 R1	8909393.73	15477440.85			
18	GeomBL_Loop_Brandt_Park							112+04.67 R1	8909393.73	15477440.85	112+16.94 R1	8909388.90	15477429.56	112+28.89 R1	8909388.89	15477417.28			
20	GeomBL_Loop_Brandt_Park	112+33.58 R1	8909388.88	15477412.59															
21	GeomBL_Loop_Brandt_Park							114+62.88 R1	8909331.94	15477190.47	115+37.74 R1	8909313.35	15477117.95	115+83.24 R1	8909384.47	15477094.60			
1	GeomBL_Bench_Brandt_Park	0+00.00	8909547.09	15477668.47															
2	GeomBL_Bench_Brandt_Park	0+35.00	8909528.07	15477697.85															
2	GeomBL_Bench_Brandt_Park	0+50.00	8909540.67	15477706.00															

101-17
04-19-11

SPIRAL OR CIRCULAR CURVE DATA																
Name	Location	ΔSCS	Horizontal Alignment Data													Remarks
			Spiral Data								Curve Data					
			θS	Ls	Ts	Es	Xc	Yc	L.T.	S.T.	ΔC	T	L	R	E	
C1	GEO_Ent_Brandt_Park										26.84	10.735	21.077	45	1.263	
C2	GEO_Ent_Brandt_Park										30.18	37.744	73.735	140	4.999	
C3	GEO_Ent_Brandt_Park										19.91	12.283	24.319	70	1.070	
C5	GEO_Ent_Brandt_Park										26.68	158.863	311.966	670	18.576	
C4	GEO_Ent_Brandt_Park										23.62	52.265	103.045	250	5.405	
C2	GeomBL_Loop_Brandt_Park										8.15	11.832	23.624	166	0.421	
C3	GeomBL_Loop_Brandt_Park										12.28	18.929	37.714	176	1.015	
C4	GeomBL_Loop_Brandt_Park										42.42	23.282	44.418	60	4.359	
C5	GeomBL_Loop_Brandt_Park										56.87	37.904	69.479	70	9.603	
C6	GeomBL_Loop_Brandt_Park										44.55	28.677	54.433	70	5.646	
C8	GeomBL_Loop_Brandt_Park										86.20	74.862	120.357	80	29.564	



100_23 8/15/22 ROCK EROSION CONTROL Refer to EC-301 and Detail 570-8										
Road Identification	Station From	Station To	Side	Length (FT)	Width (FT)	Rock Erosion Control Type	Engineering Fabric (SY)	Class E Revetment (TON)	Erosion Stone (TON)	Remarks
Brandt Park Trail	1+08.20	1+35.53	Left	10.00	10.0	Type 4 - Rock Splash Basin	11.2		15.000	
Brandt Park Trail	1+50.91	1+60.24	Right	10.00	10.0	Type 4 - Rock Splash Basin	11.2		15.000	
Brandt Park Trail	5+68.60	5+78.27	Right	10.00	10.0	Type 4 - Rock Splash Basin	11.3		15.000	
Brandt Park Trail	5+86.11	5+95.78	Left	10.00	10.0	Type 4 - Rock Splash Basin	11.3		15.000	
Total:							45		60	

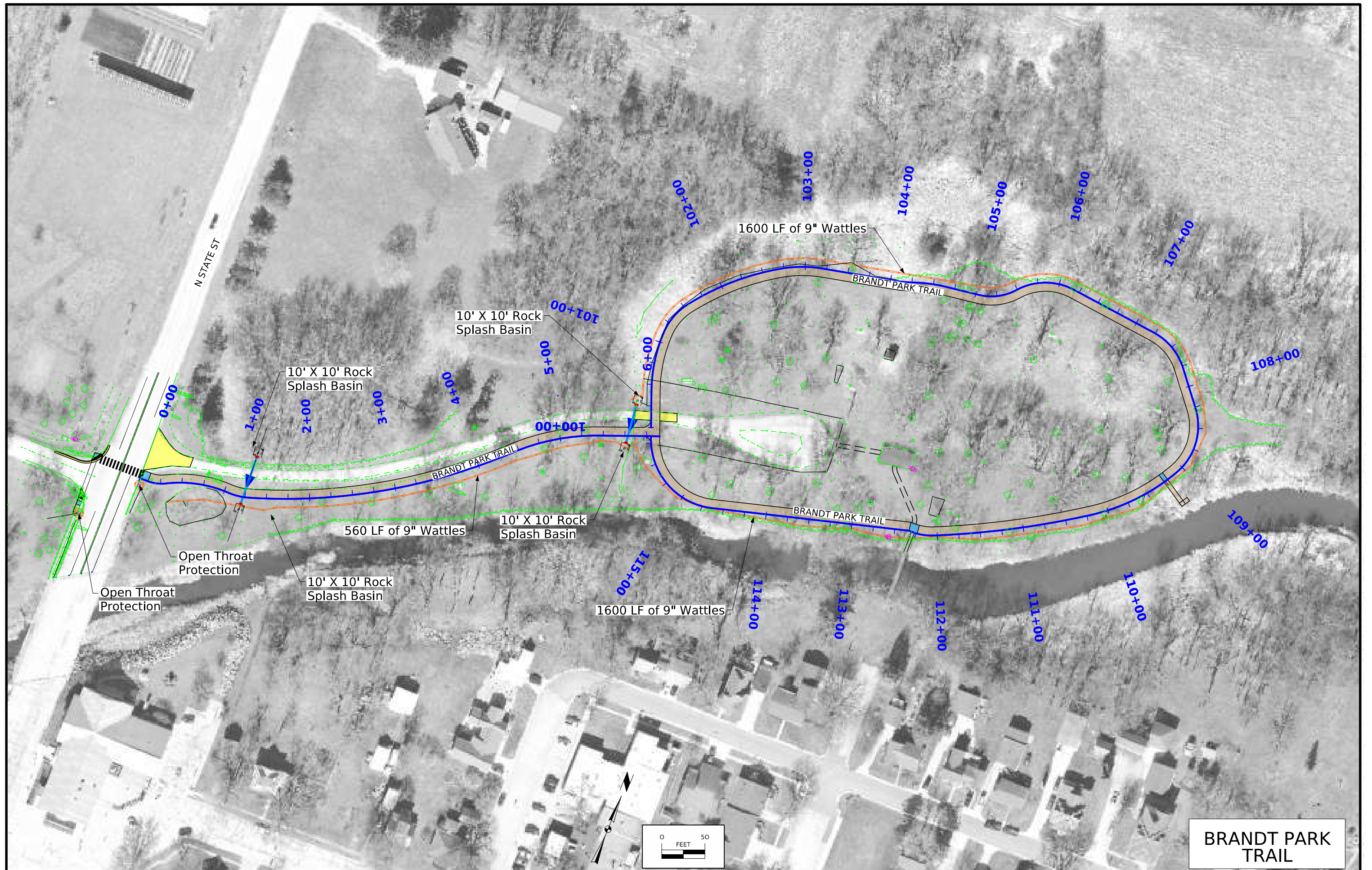
100_19 10/15/24 PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE Possible Standards: EC-204						
Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
+29.60	5+90.48	Right	Perimeter and Slope	9 inch	560.00	Entrance
100+31.78	115+68.73	Left	Perimeter and Slope	9 inch	1600.00	Loop
63+13.70	63+13.70	Left	Perimeter and Slope	9 inch	30.00	Intake Protection
63+69.44	63+69.44	Right	Perimeter and Slope	9 inch	30.00	Intake Protection

Total Tabulation = 2,220
Additional 25% = 555
Bid Total = 2,775

100_36 8/15/22 OPEN-THROAT CURB INTAKE SEDIMENT FILTER Possible Standard: EC-602					
Station	Side	Installation (LF)	Maintenance (Each)	Removal (Each)	Remarks
63+13.07	Left	1.0	1	1.0	N State St
63+69.44	Right	1.0	1	1.0	N State St
Total:		2	2	2	

232_03B 9/28/22 EROSION CONTROL (URBAN SEEDING)
Area to be seeded is estimated to be less than 1 acre. If the Contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications.
Following the completion of work in a disturbed area and according to the seeding dates in Section 2601 of the Standard Specifications, place seed, fertilizer, and mulch on the disturbed area as follows: Place seed and fertilize according to the requirements of Article 2601.03,C,4 and Section 4169 of the Standard Specifications. Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.
Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will not be paid for separately.

232_11 6/21/23 EROSION CONTROL (STABILIZING CROP SEEDING)
Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications.
If outside of permanent seeding dates in Section 2601 of the Standard Specifications, or if required by a storm water permit, place stabilizing crop, fertilizer, and mulch on the disturbed area as follows: Place seed and fertilize according to the requirements of Article 2601.03,C,1 and Section 4169 of the Standard Specifications. Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.
Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will will not be paid for separately.



BRANDT PARK
TRAIL

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

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

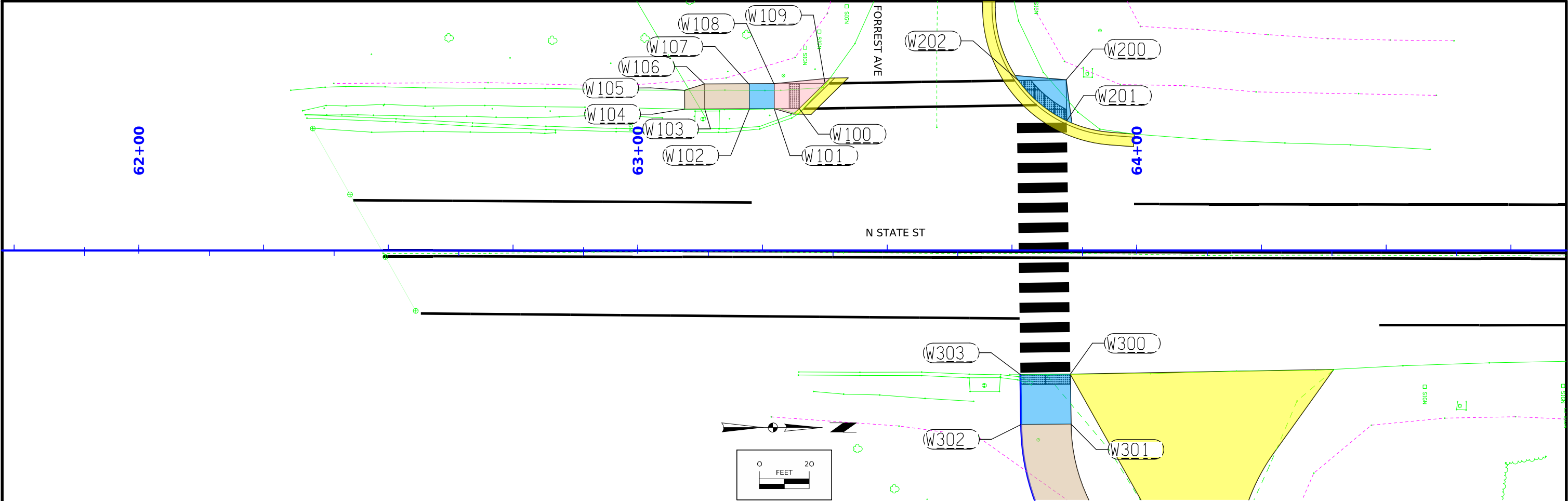
LINEWORK		Design Color No.		
Green	(2)		Existing Topographic Features and Labels	
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation	
Magenta	(5)		Existing Utilities	
SHADING		Design Color No.	Transparency	
Tan	(8)		Proposed Sidewalk Shading	50%
Blue, Light	(230)		Proposed Sidewalk Landing Shading	50%
Pink	(11)		Proposed Sidewalk Ramp Shading	50%
Magenta	(5)		Detectable Warning	0%
Yellow	(4)		Highlight for Critical Notes or Features	0%
Red	(3)		Delineates Restricted Areas	0%
Lavender	(9)		Temporary Pavement Shading	0%
Yellow	(4)		Proposed Pavement Shading	0%
Orange	(6)		Proposed Granular Shading	0%
Purple	(15)		Proposed Grade and Pave Shading	0%
Brown, Light	(236)		Grading Shading	0%

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

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

SIDEWALK
LEGEND AND SYMBOL
INFORMATION SHEET

(COVERS SHEET SERIES S)



113-10 and 113-10A
MODIFIED

SIDEWALK COMPLIANCE
See S Sheets

* Does not include curb
① Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
② Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_ " PCC Sidewalk ②	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? ①	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
100	101	Ramp Running Slope	6	5.00	0.36	7.2%	0.5% to 8.3%					100	63+32.36	-28.40	945.82
100	109	Crosswalk Cross Slope - Yield Condition	6	7.20	-0.28	-3.9%	0.0% to 4.9%					101	63+27.36	-28.40	946.18
101	102	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					102	63+22.36	-28.30	946.25
101	108	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					103	63+13.40	-28.40	946.50
102	103	Sidewalk Running Slope	4	9.00	0.25	2.8%	0.5% to 5.0%					104	63+09.39	-28.10	946.63
102	107	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					105	63+09.93	-31.87	946.53
103	104	Sidewalk Running Slope	4	4.00	0.13	3.2%	0.5% to 5.0%					106	63+13.38	-33.40	946.50
104	105	Match Existing Cross Slope	4	4.00	-0.10	-2.5%	Match Existing					107	63+22.29	-33.30	946.32
105	106	Sidewalk Running Slope	4	4.00	-0.03	-0.7%	0.5% to 5.0%					108	63+27.29	-33.40	946.25
106	107	Sidewalk Running Slope	4	9.00	-0.18	-2.0%	0.5% to 5.0%					109	63+37.52	-33.50	945.54
107	108	Landing/Turning Space	4	5.00	-0.07	-1.4%	0.1% to 2.0%								
108	109	Ramp Running Slope	6	10.22	-0.71	-6.9%	0.5% to 8.3%								
200	201	Landing/Turning Space	4	8.20	0.04	0.5%	0.1% to 2.0%	Yes				200	63+85.86	-34.20	944.70
200	202	Landing/Turning Space	4	9.58	-0.18	-1.9%	0.1% to 2.0%					201	63+85.97	-25.90	944.74
201	202	Crosswalk Cross Slope - Yield Condition	6	12.60	-0.22	-1.7%	0.0% to 2.0%					202	63+76.28	-34.00	944.52
300	301	Landing/Turning Space	4	10.00	-0.11	-1.1%	0.1% to 2.0%					300	+00.06	-10.00	944.88
300	303	Crosswalk Cross Slope - Yield Condition	6	10.00	0.19	1.9%	0.0% to 2.0%					301	+10.06	-10.00	944.77
301	302	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					302	+10.00	0.00	944.92
302	303	Landing/Turning Space	4	10.00	0.15	1.5%	0.1% to 2.0%					303	+00.00	0.00	945.07

CROSS SECTION VIEW COLOR LEGEND			
Design Color No.	Feature	Design Color No.	Feature
Aggregate		Grading	
(64)	Choke Stone	(8)	Behind Curb Cut
(42)	Engineering Fabric	(6)	Granular
(8)	Flooded Backfill	(13)	Granular Back Fill
(92)	Macadam Stone	(48)	Rock Undercut
(20)	Modified	(8)	Shoulder Earth Fill
(12)	Plowing Shaping	(2)	Side Slopes
(14)	Porous Backfill	(226)	Side Slopes Dressing
(8)	Revetment Class A	Substrata	
(6)	Revetment Class B	(128)	Boulder
(62)	Revetment Class C	(209)	Boulder Removed
(188)	Revetment Class D	(48)	Broken Weathered
(28)	Revetment Class E	(210)	Broken Weathered Removed
(12)	Shoulder Special Backfill	(3)	Core Out
(12)	Special Backfill	(115)	Core Out Remove Only
(20)	Subbase	(195)	Core Out Remove and Replace
(20)	Subbase Lower	(203)	Existing Pavement
(20)	Subbase Upper	(184)	Existing Pavement Remove Only
(118)	Subgrade Treatment	(200)	Existing Pavement Remove and Replace
Asphalt		(6)	Loam
(207)	HMA Base Course	(211)	Loam Removed
(207)	HMA Interim Course	(80)	Rock
(207)	HMA Surface Course	(212)	Rock Removed
Bridge		(4)	Select Sand
(0)	Bridge	(214)	Select Sand Removed
Concrete		(3)	Shale
(0)	Barrier Concrete	(215)	Shale Removed
(0)	Barrier Concrete Footing	(10)	Topsoil
(0)	Curb Gutter	(2)	Topsoil Remove Only
(48)	Flowable Mortar	(4)	Topsoil Remove and Replace
(0)	Median Concrete	Unsuitable / Waste	
(0)	PCC Pavement	(3)	Unsuitable Type A
(0)	Sidewalk	(216)	Unsuitable Type A Removed
Existing		(13)	Unsuitable Type B
(0)	Existing Pavement	(217)	Unsuitable Type B Removed
Shoulder		(11)	Unsuitable Type C
(209)	Shoulder HMA	(218)	Unsuitable Type C Removed
(0)	Shoulder PCC	(3)	Waste
(6)	Shoulder Granular	(219)	Waste Removed
Structural			
(112)	Noise Wall		
(112)	Noise Wall Footing		
(112)	Retaining Wall Back		
(112)	Retaining Wall Back Excavate		
(112)	Retaining Wall Face		
(112)	Retaining Wall Front Excavate		
(112)	Retaining Wall Front Footing		
(112)	Retaining Wall MSE Gutter		
(112)	Retaining Wall Reinforced Earth		

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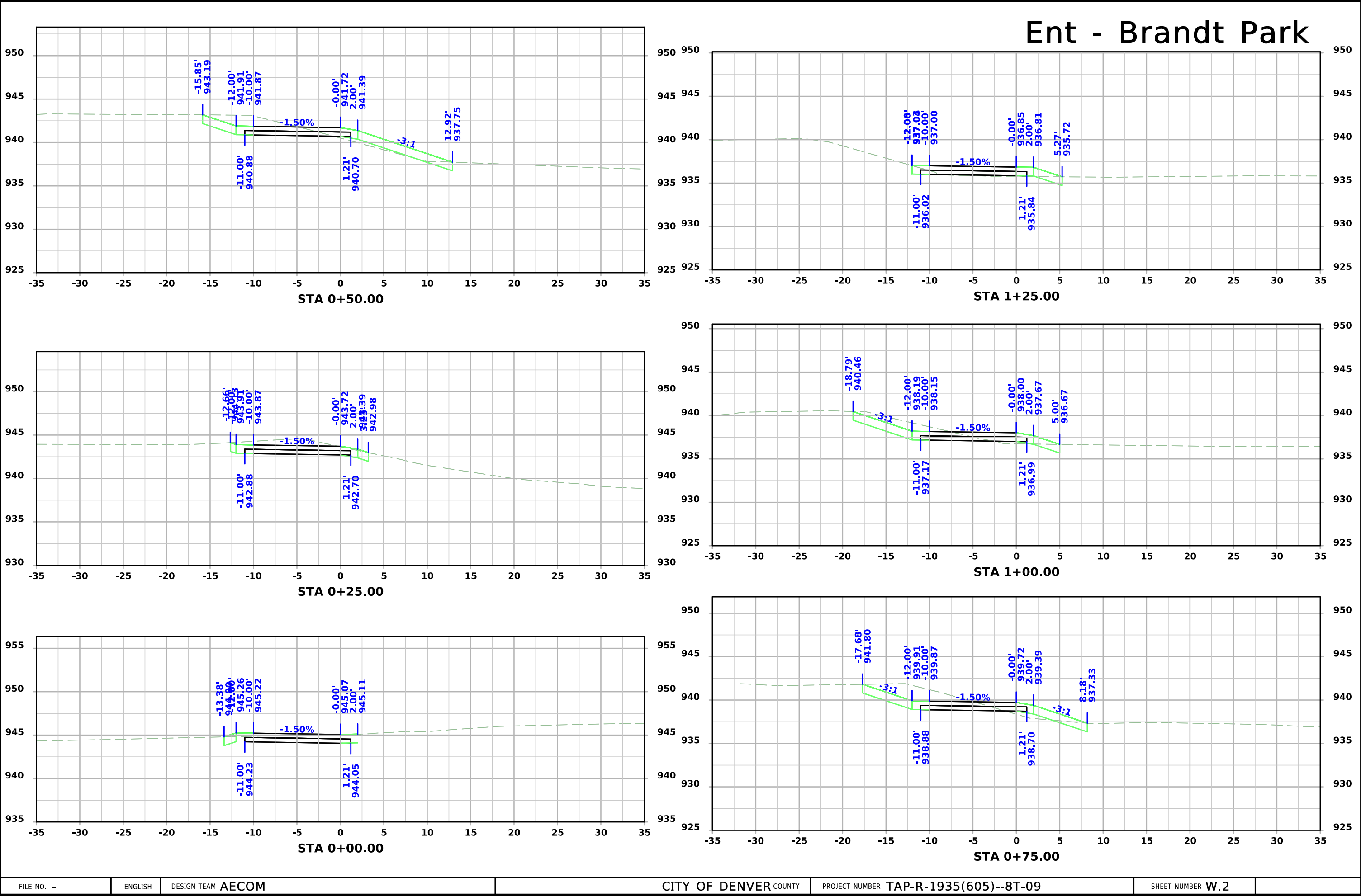
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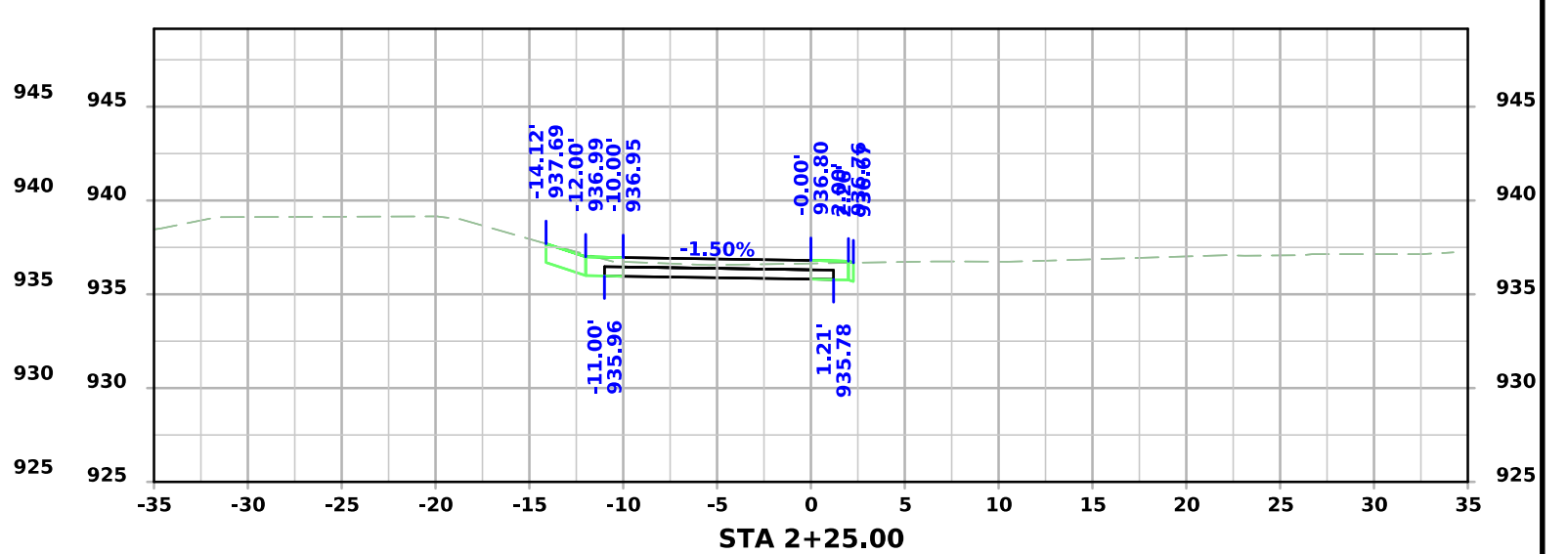
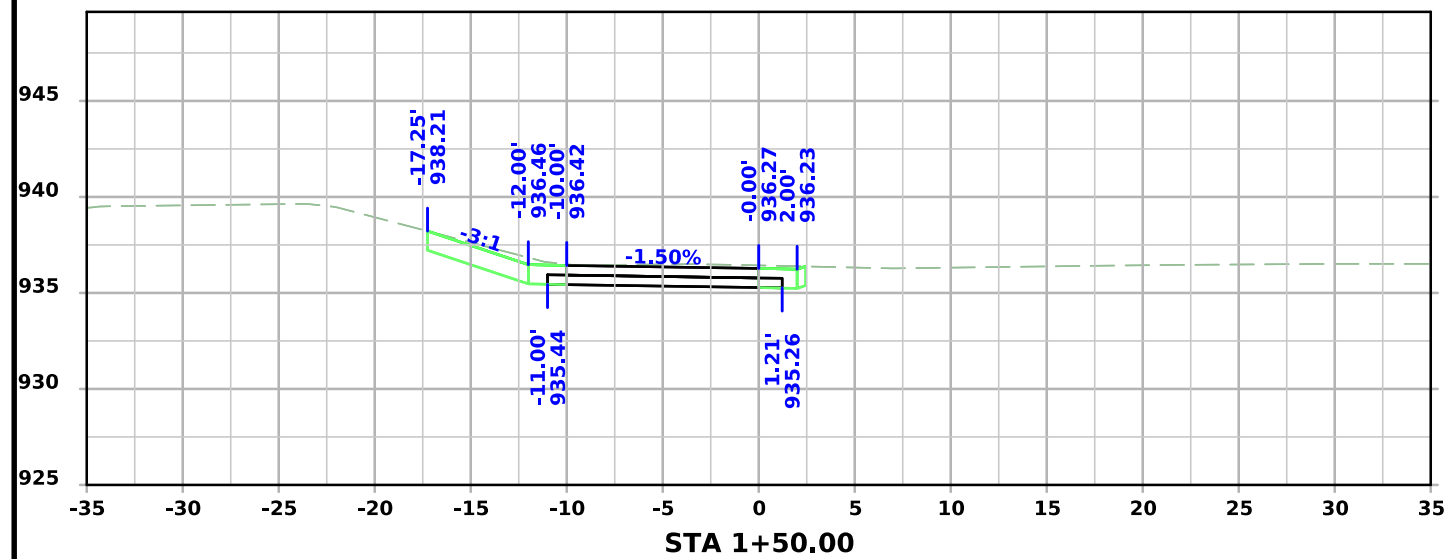
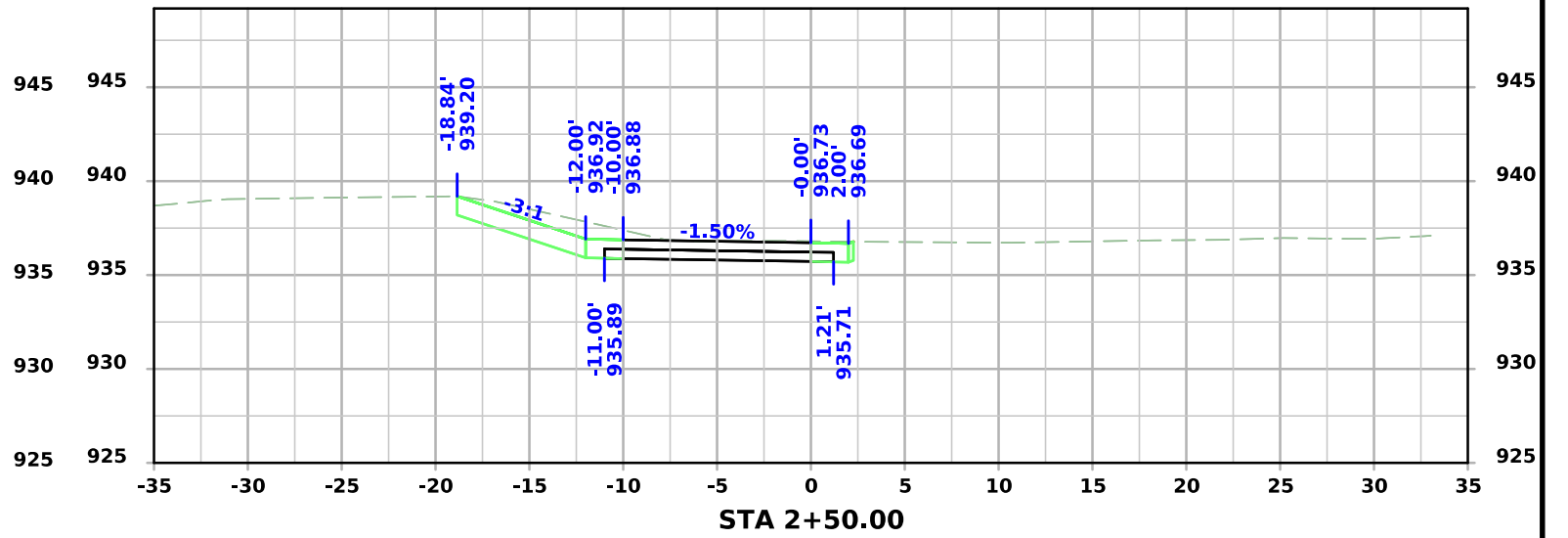
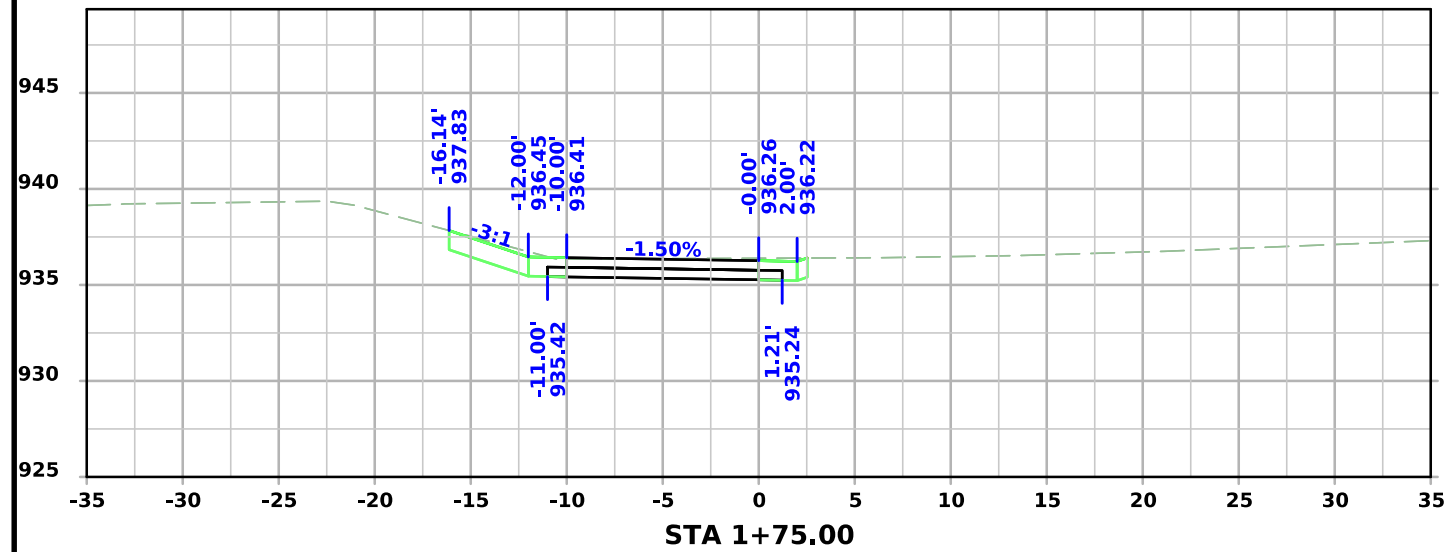
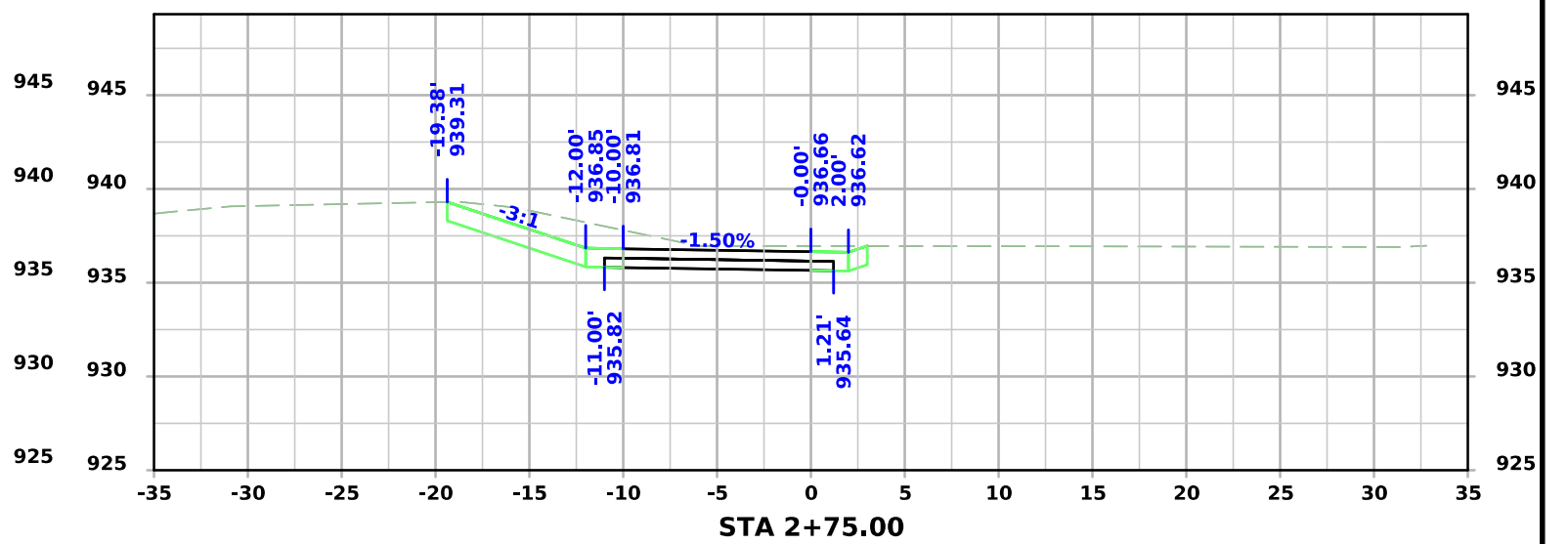
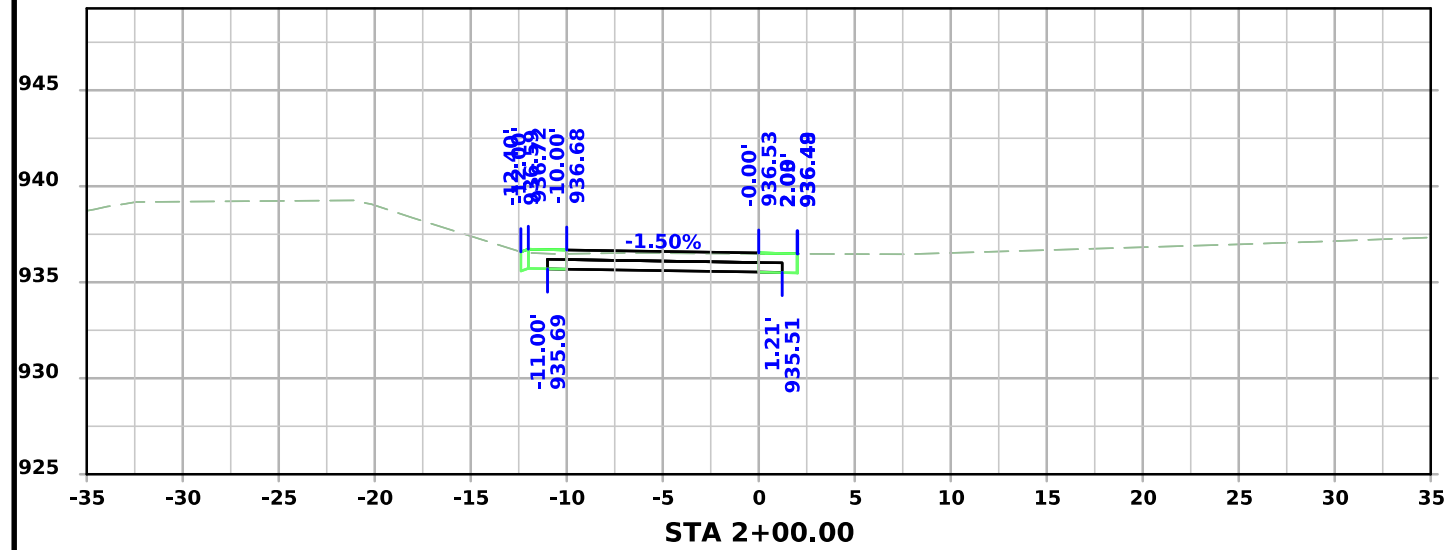
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CROSS SECTIONS
LEGEND AND INFORMATION SHEET

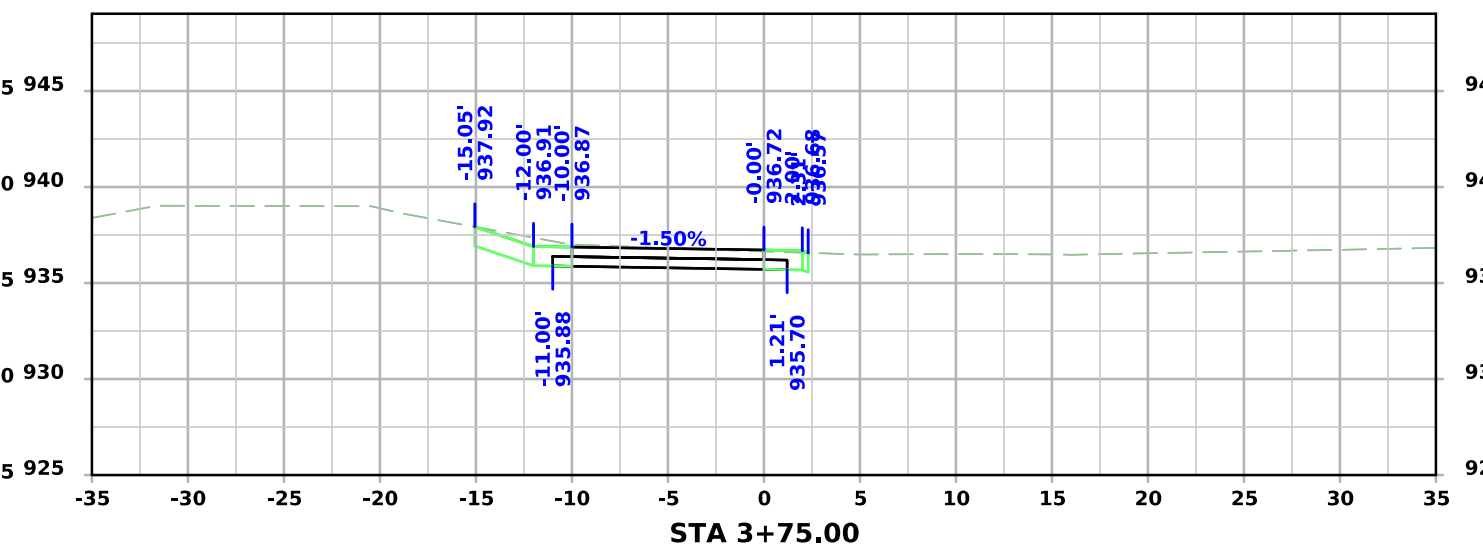
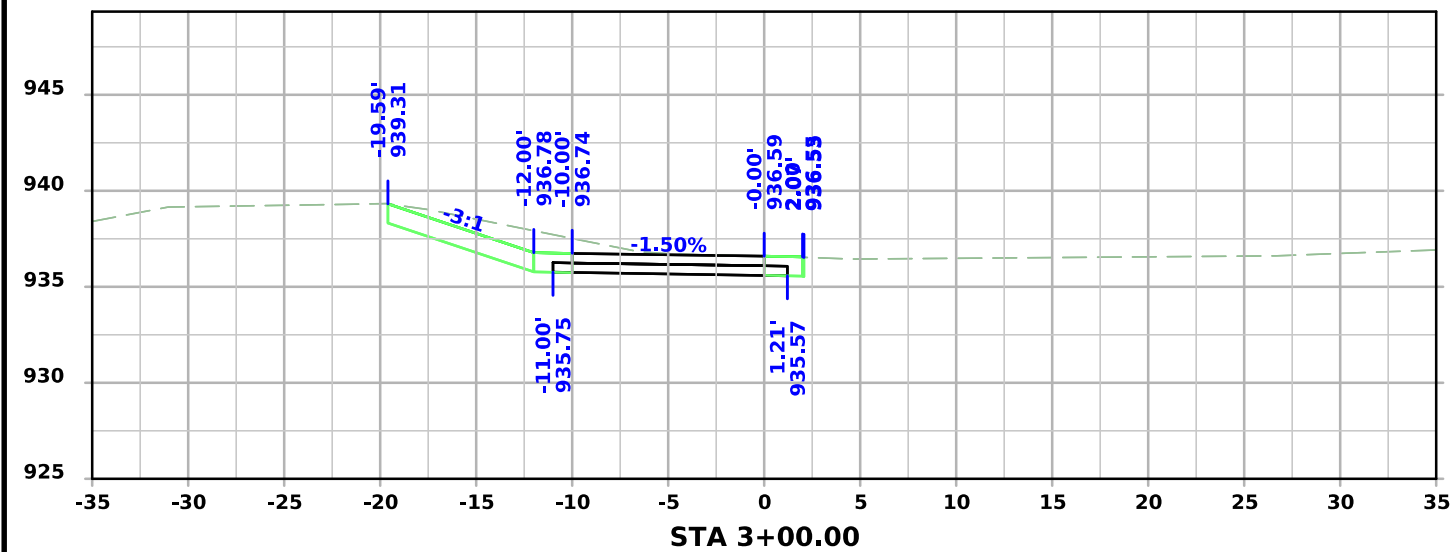
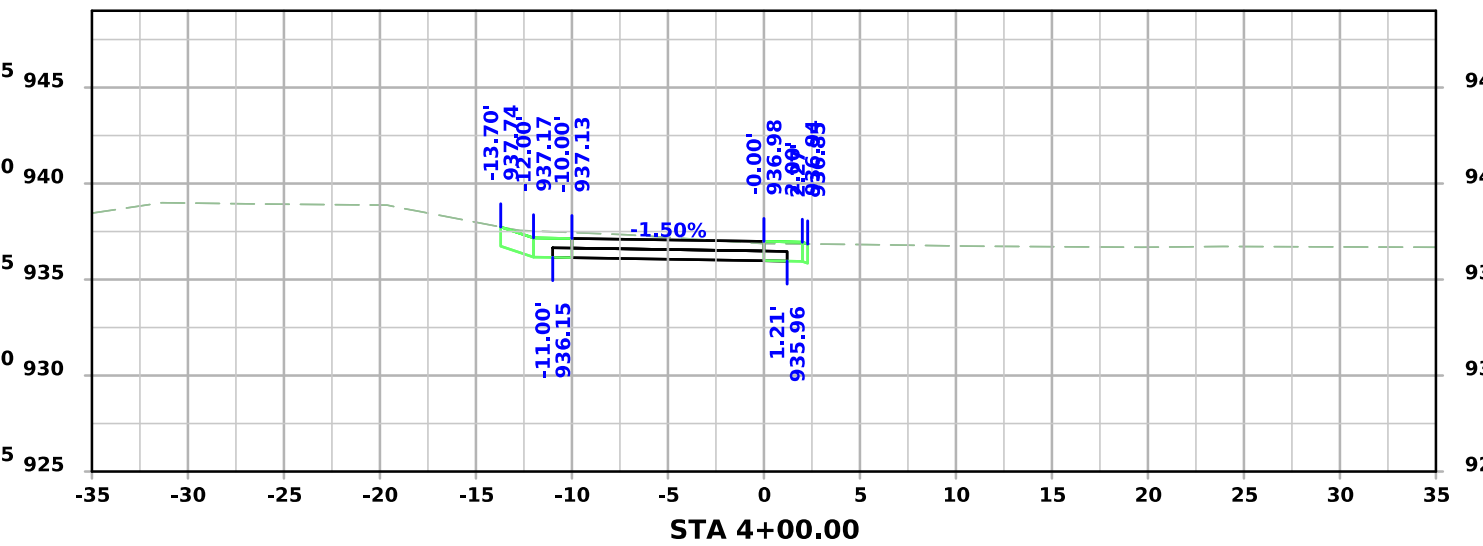
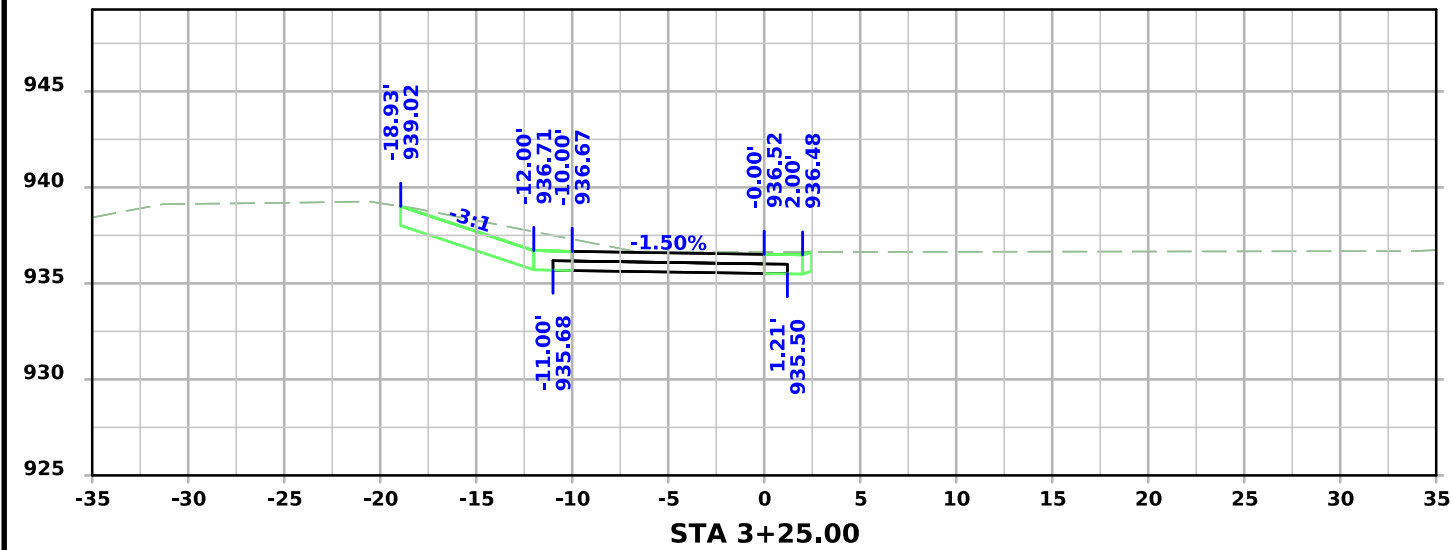
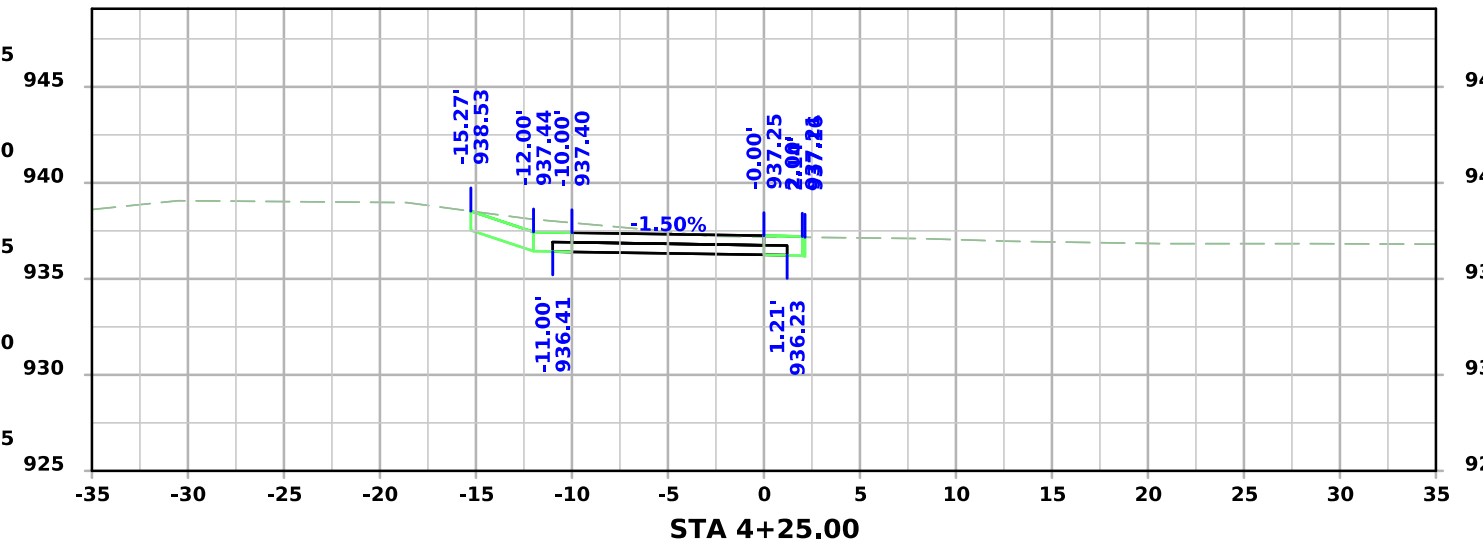
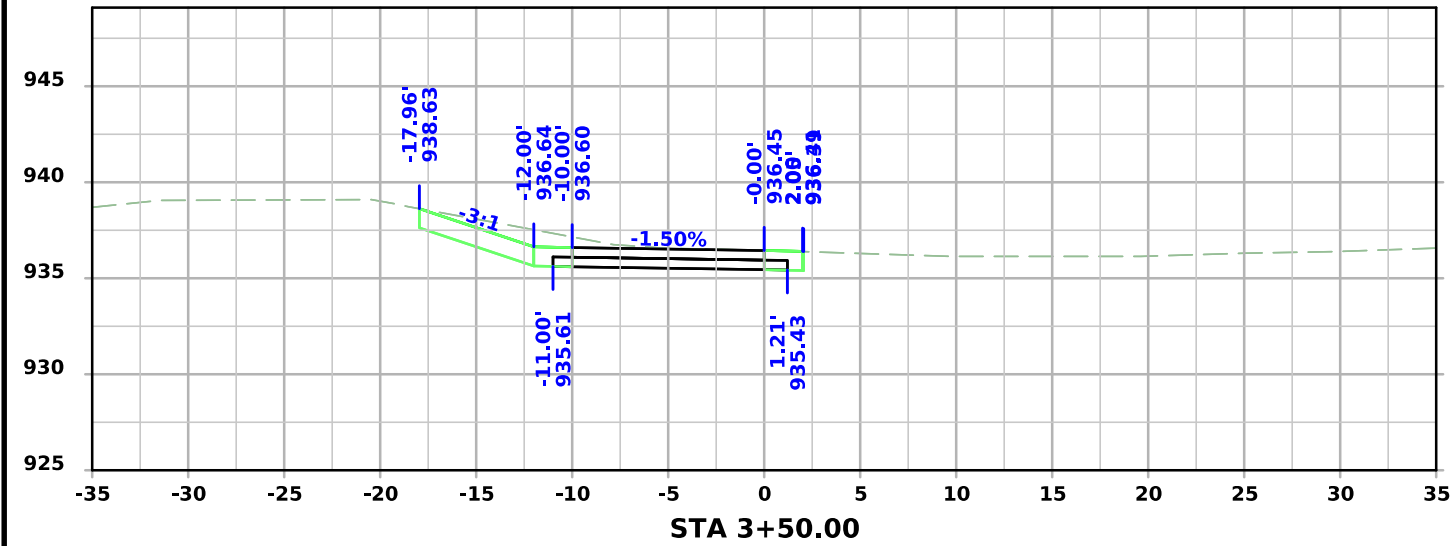
(COVERS SHEET SERIES W, X, Y, & Z)



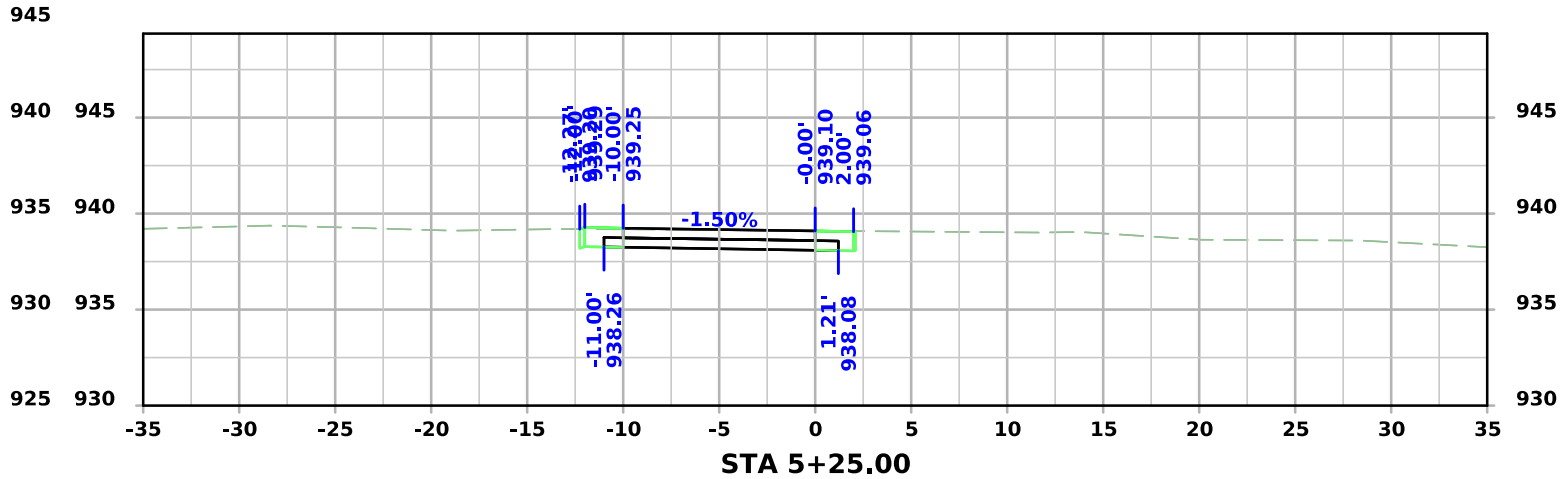
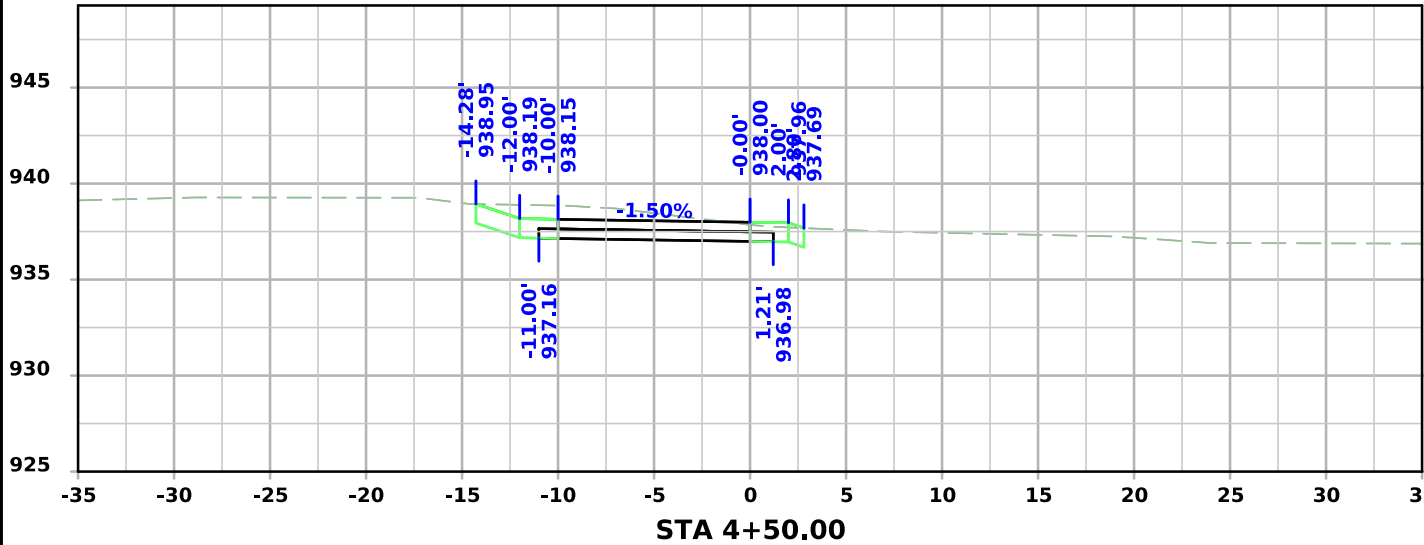
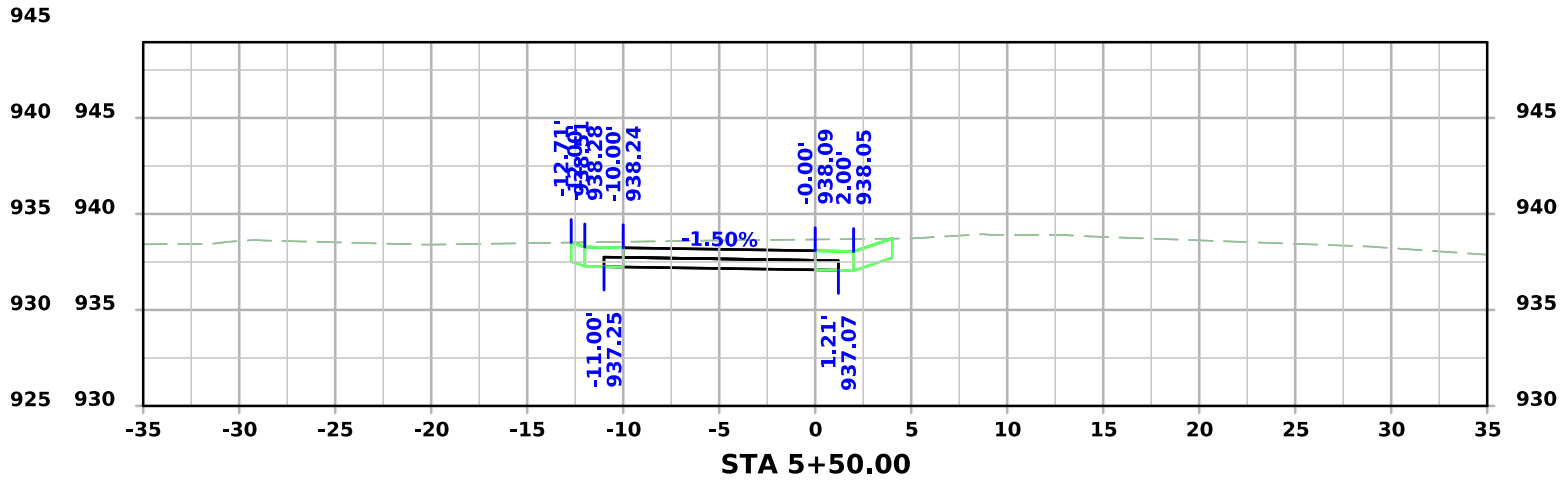
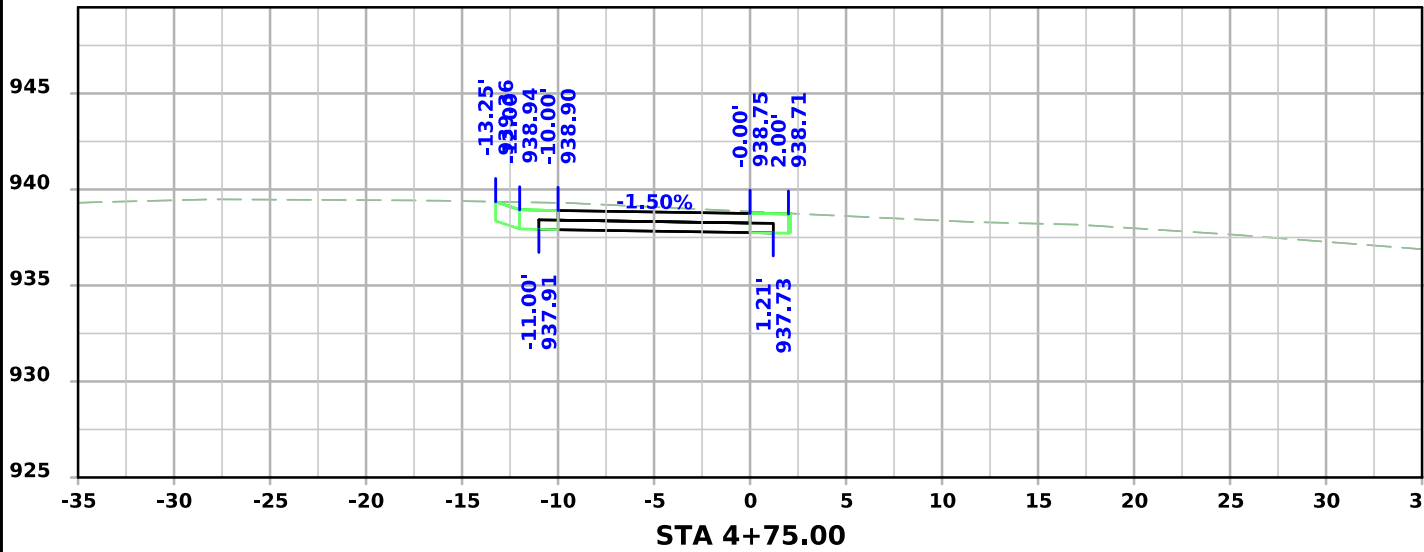
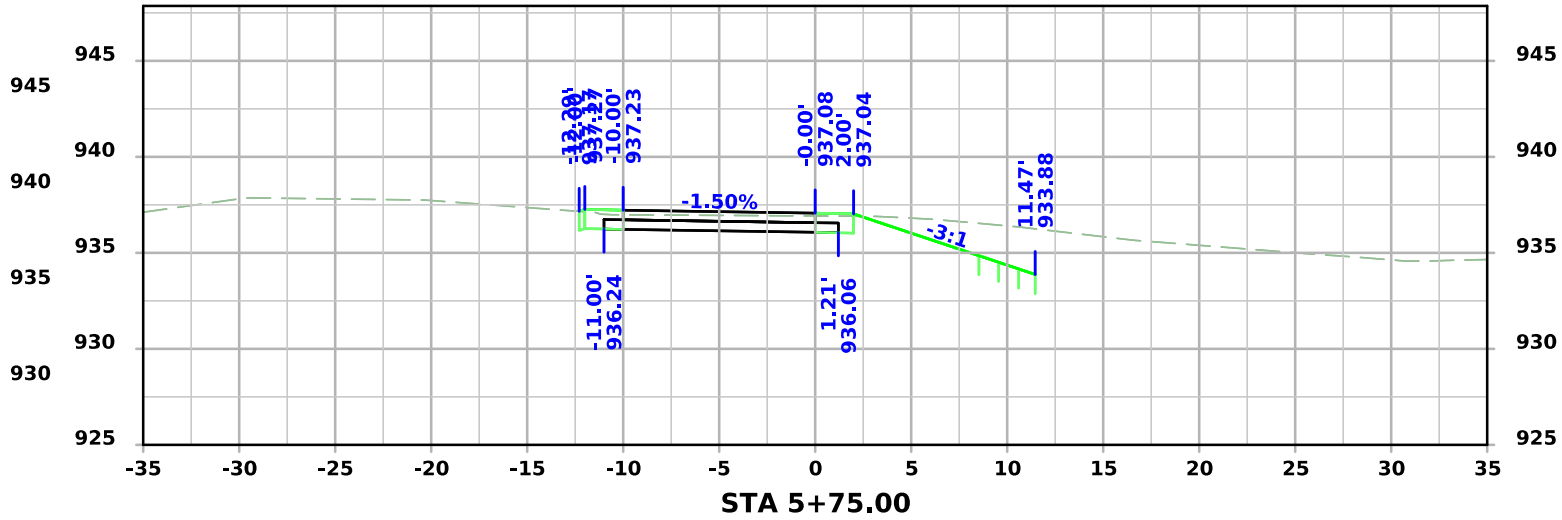
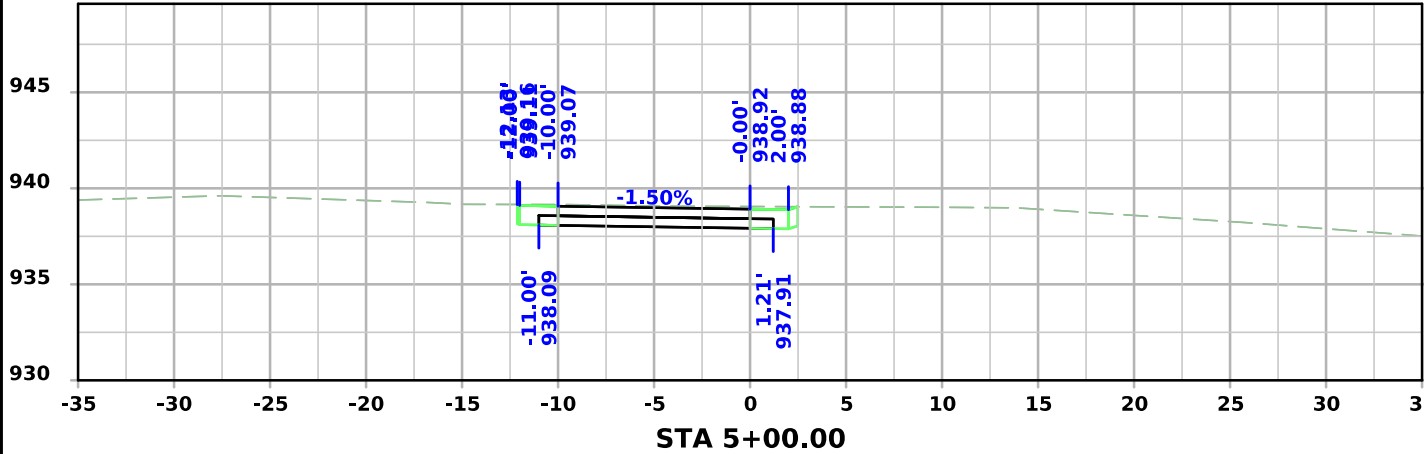
Ent - Brandt Park



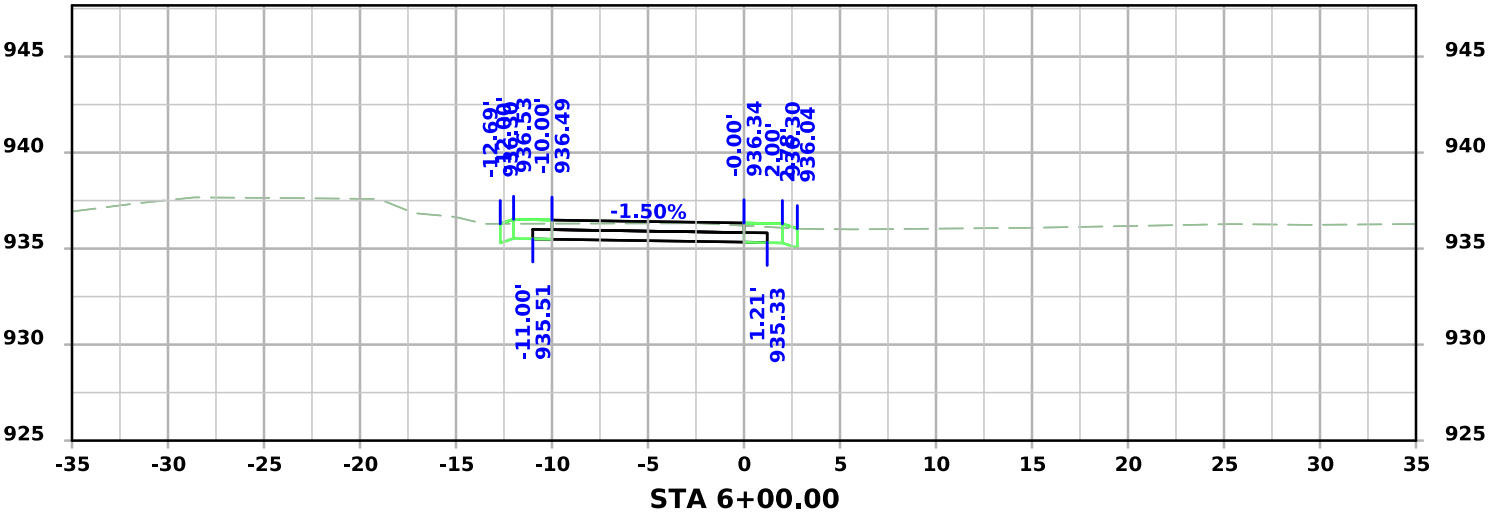
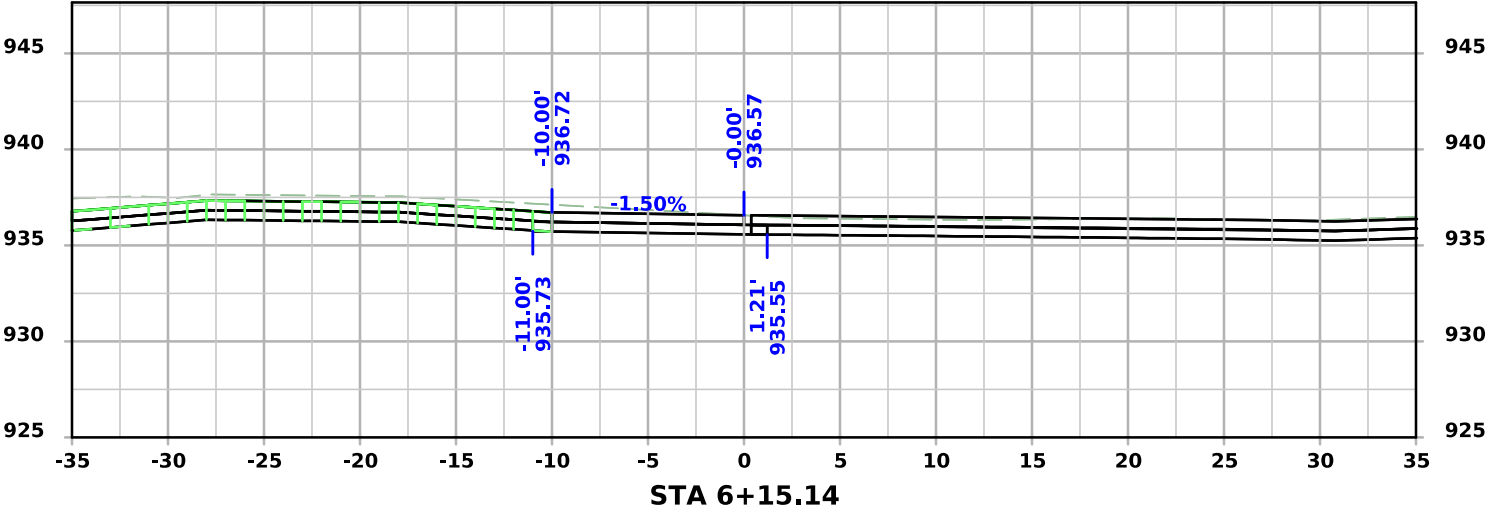
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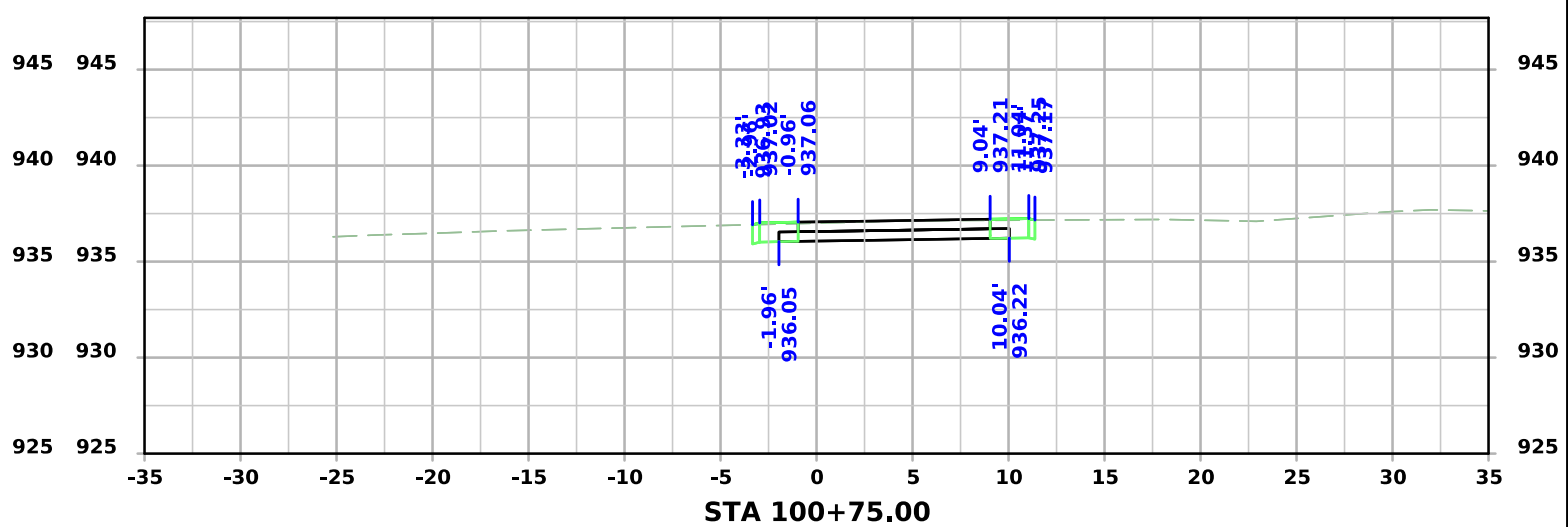
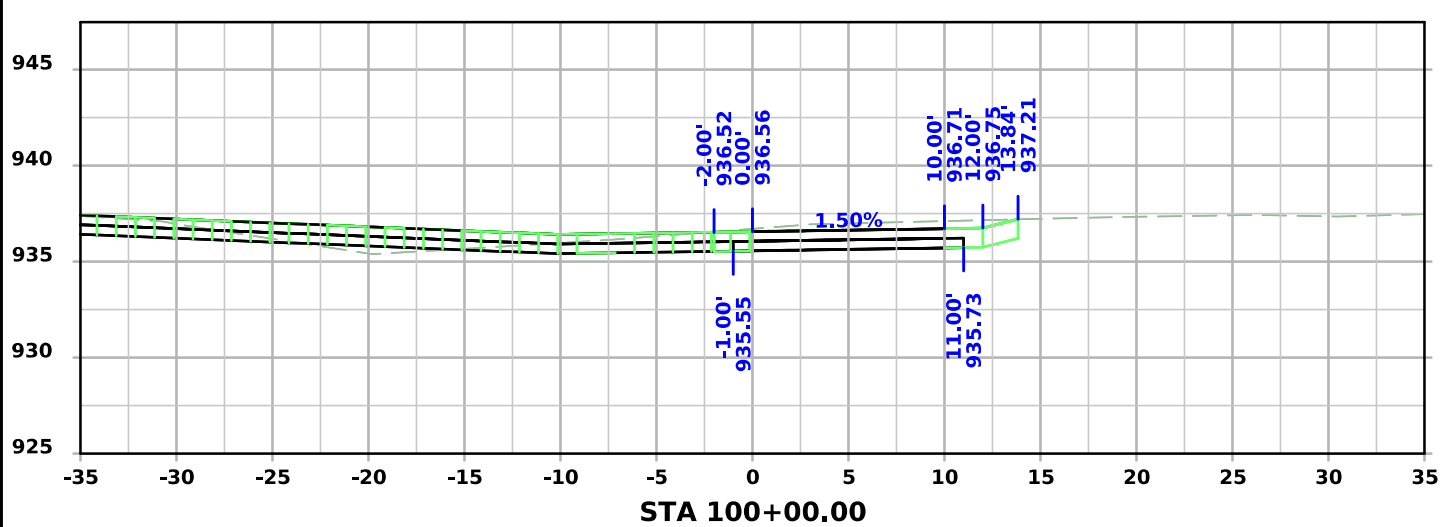
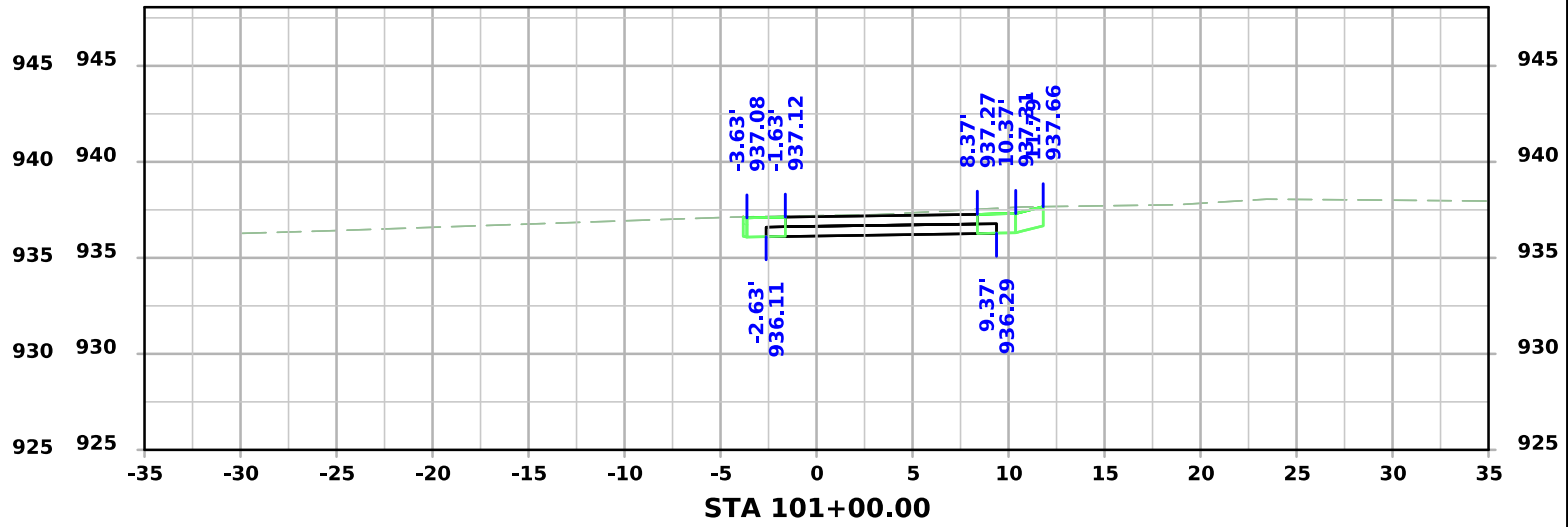
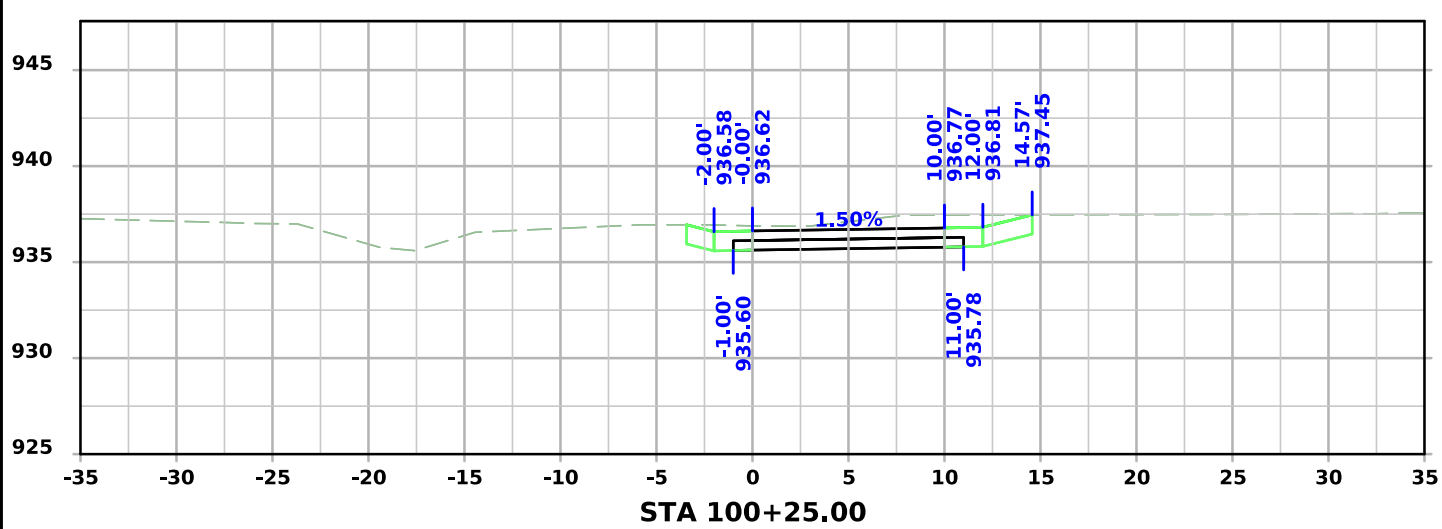
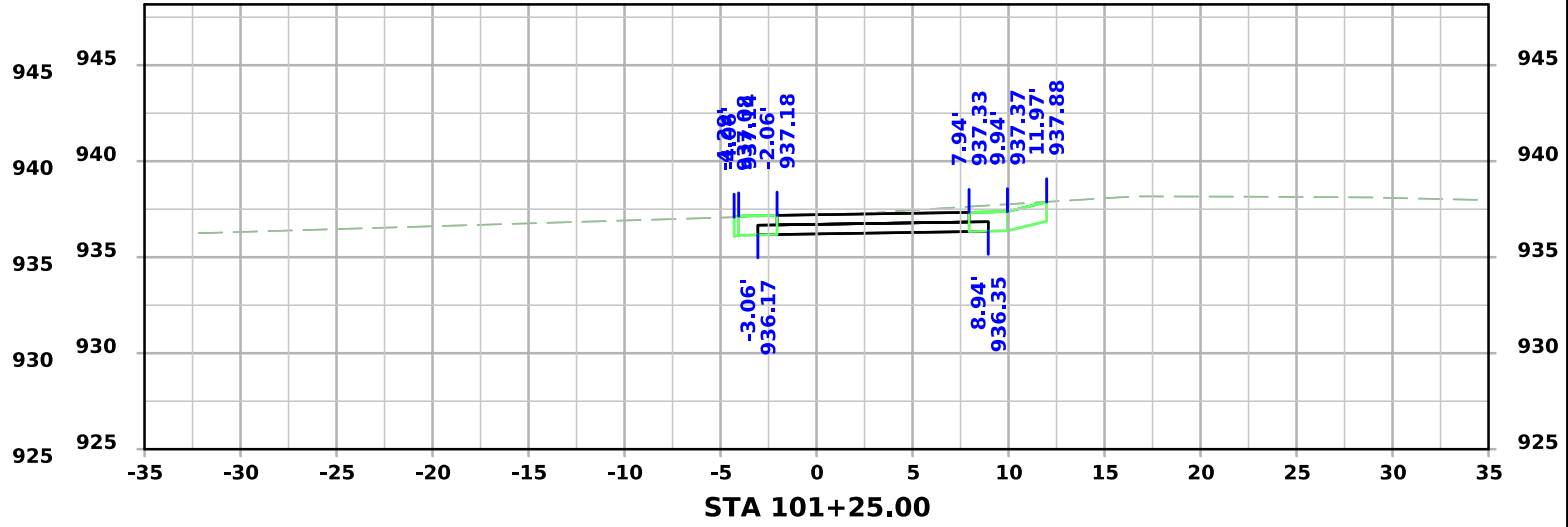
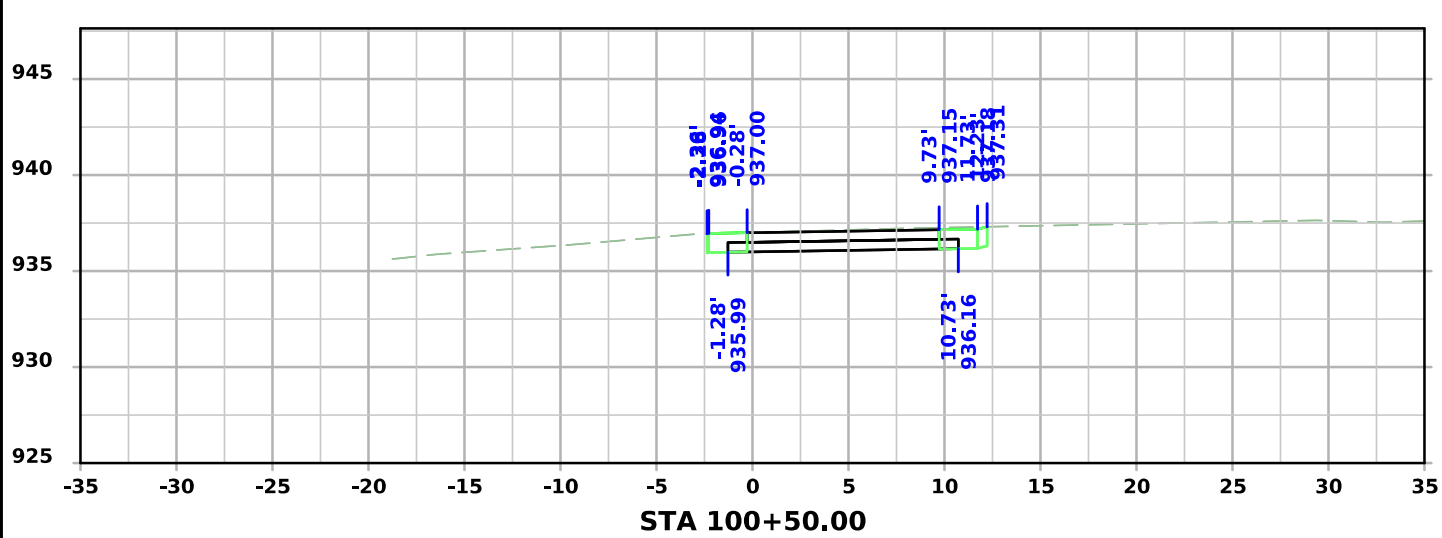
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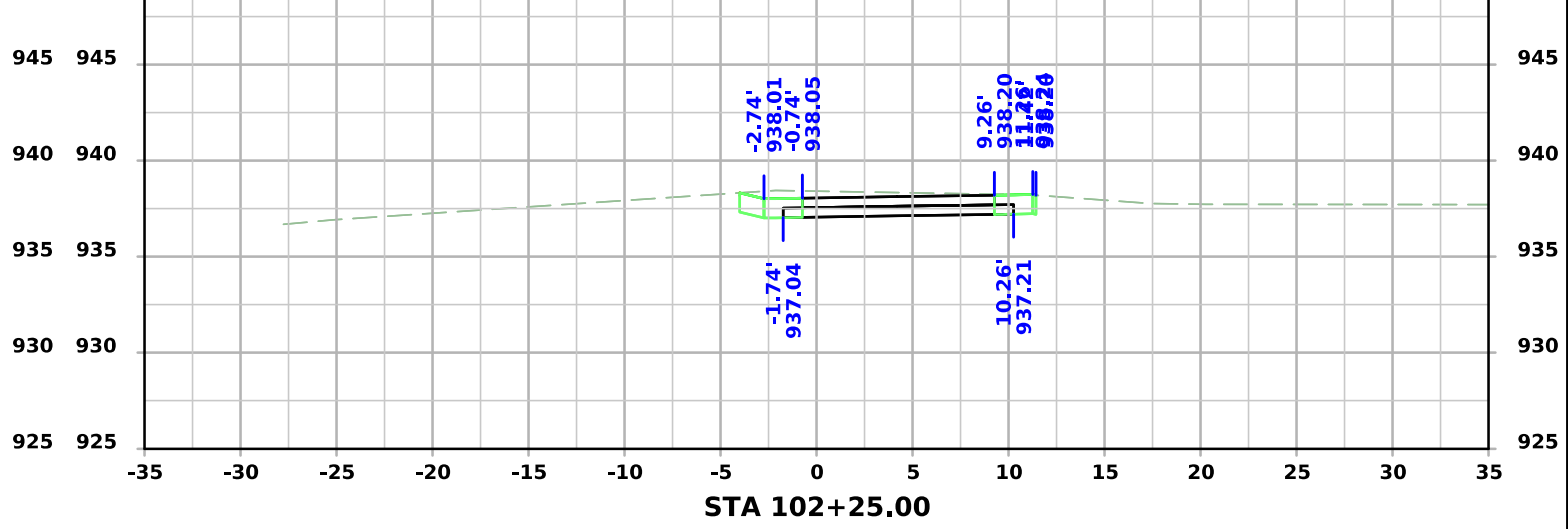
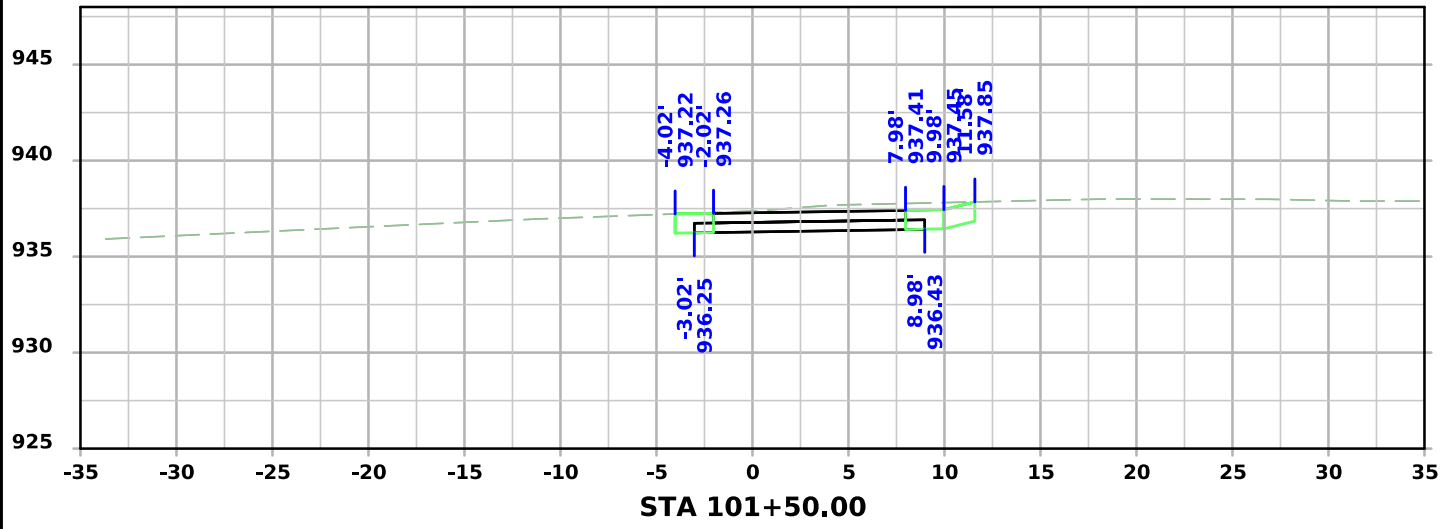
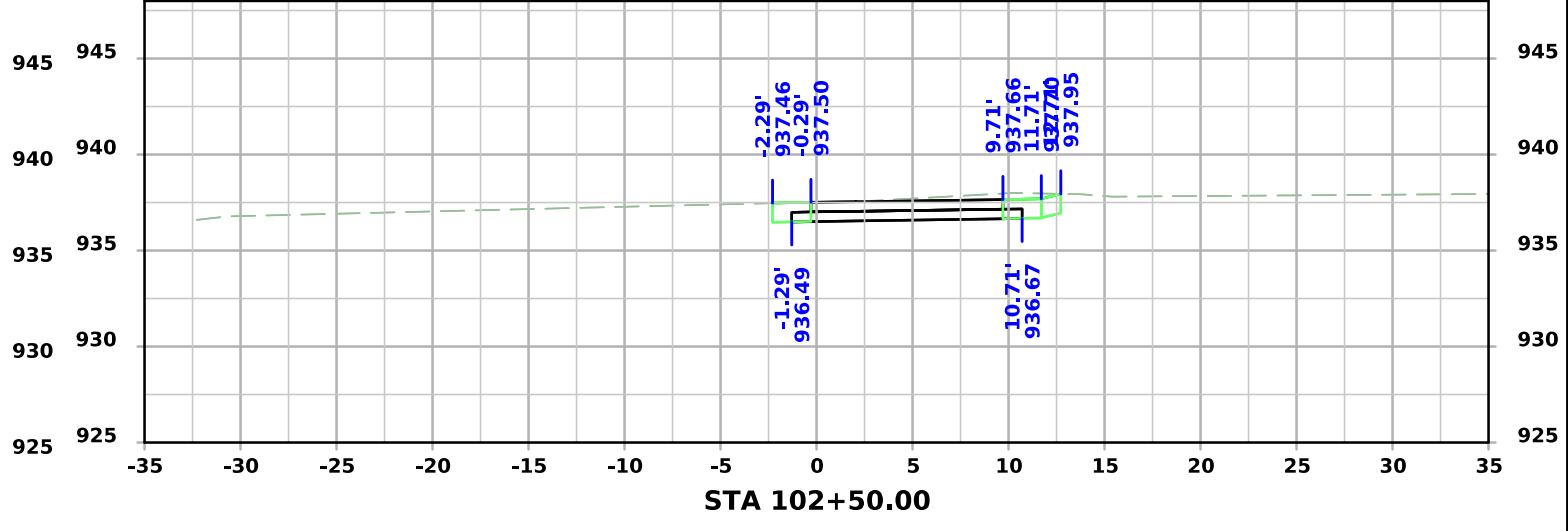
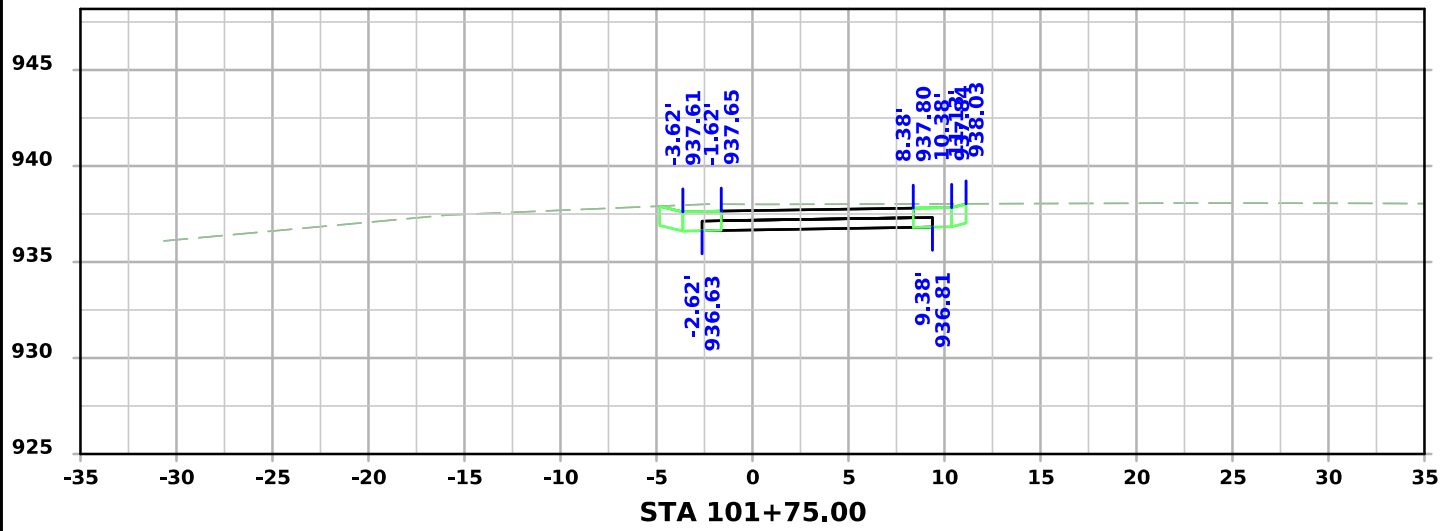
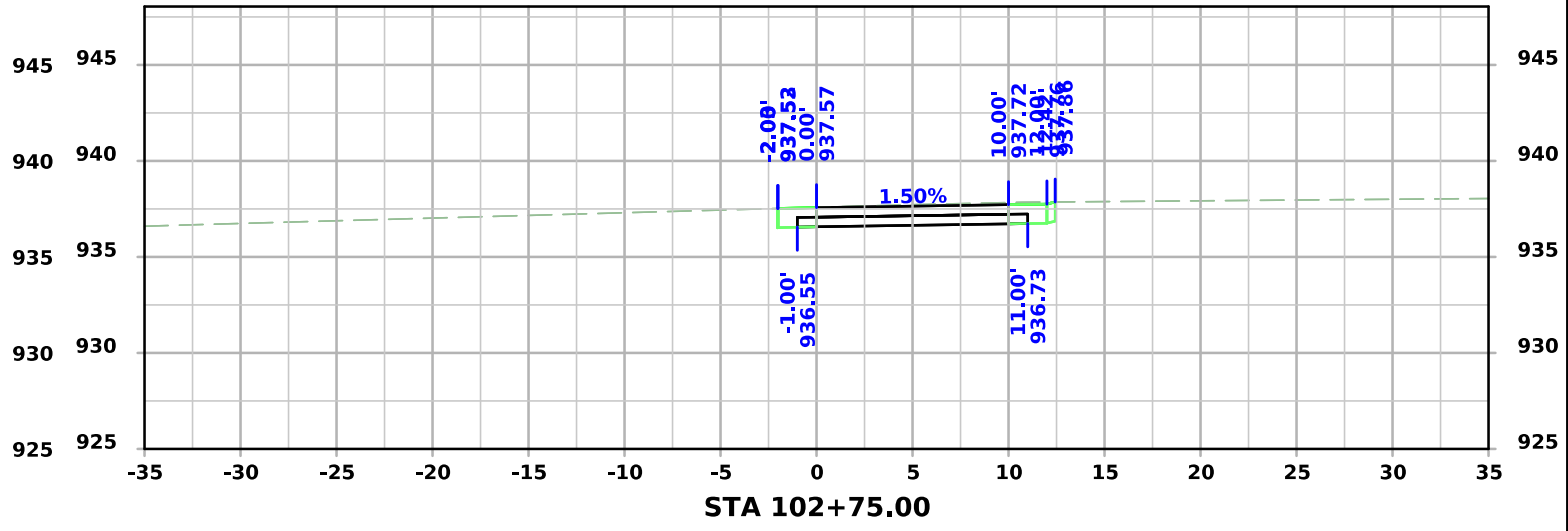
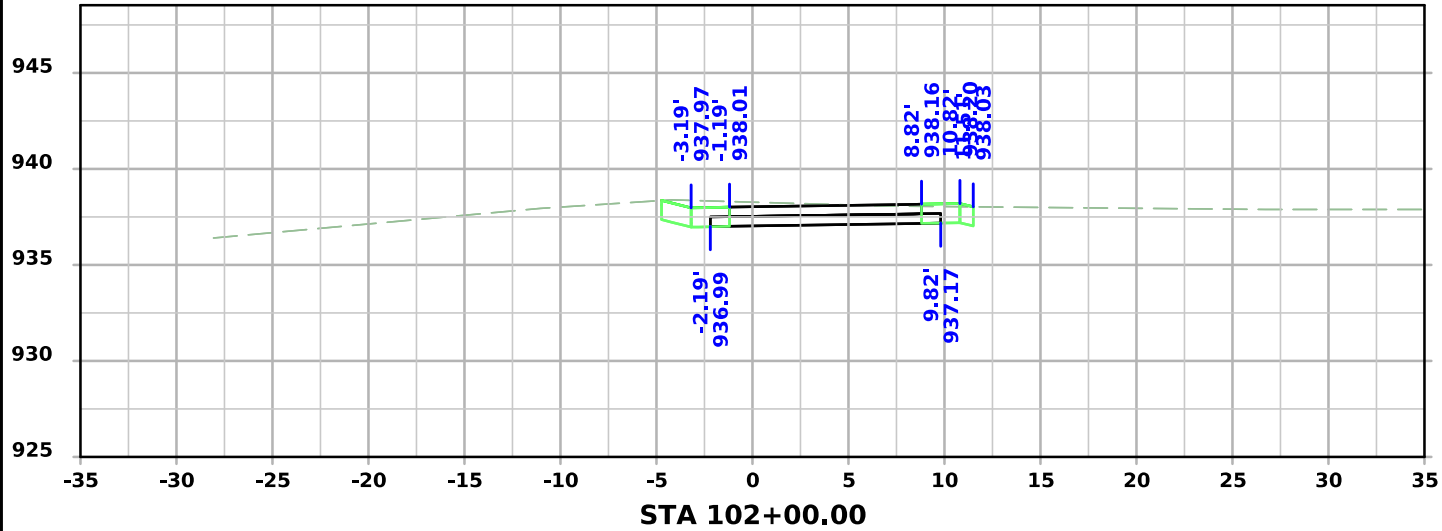
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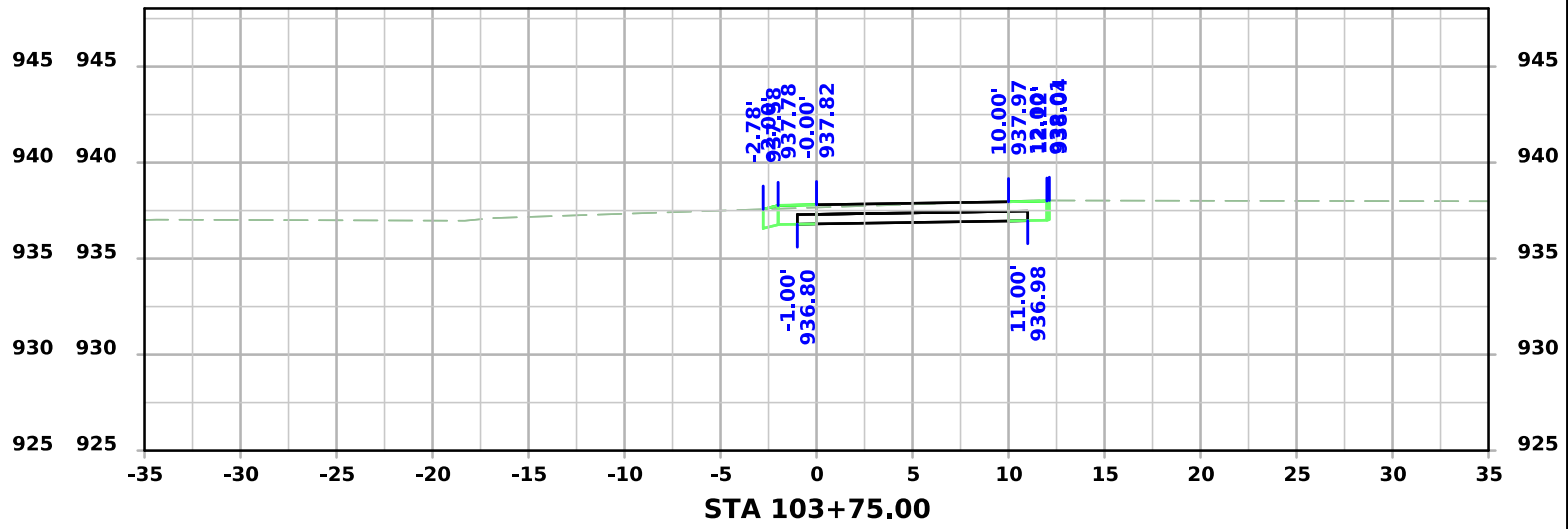
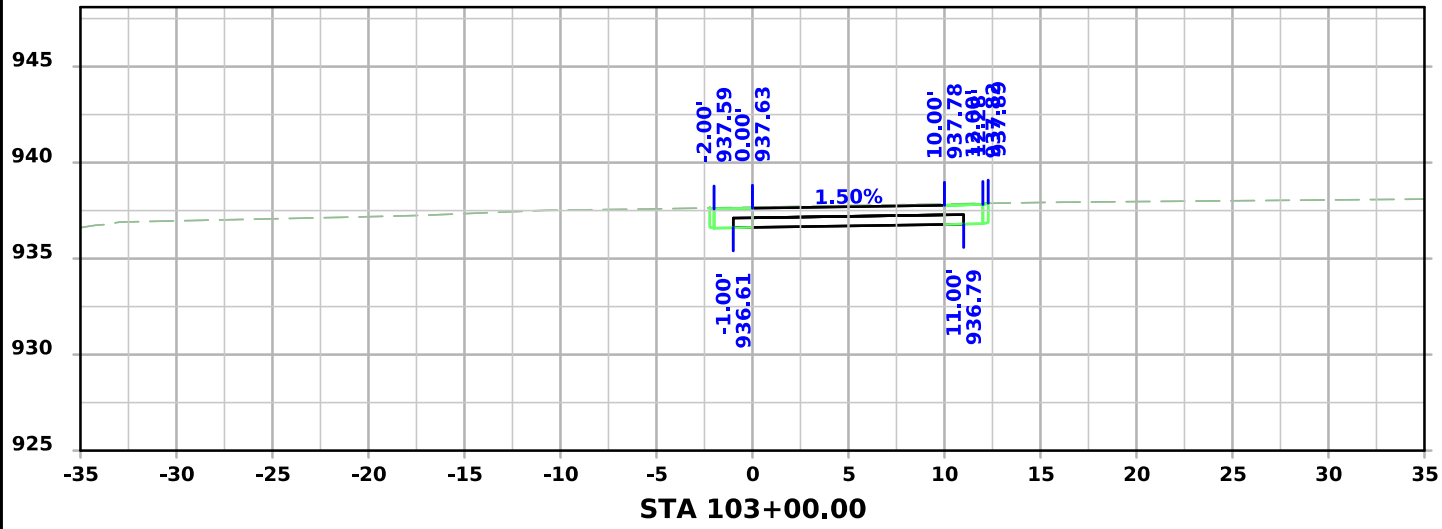
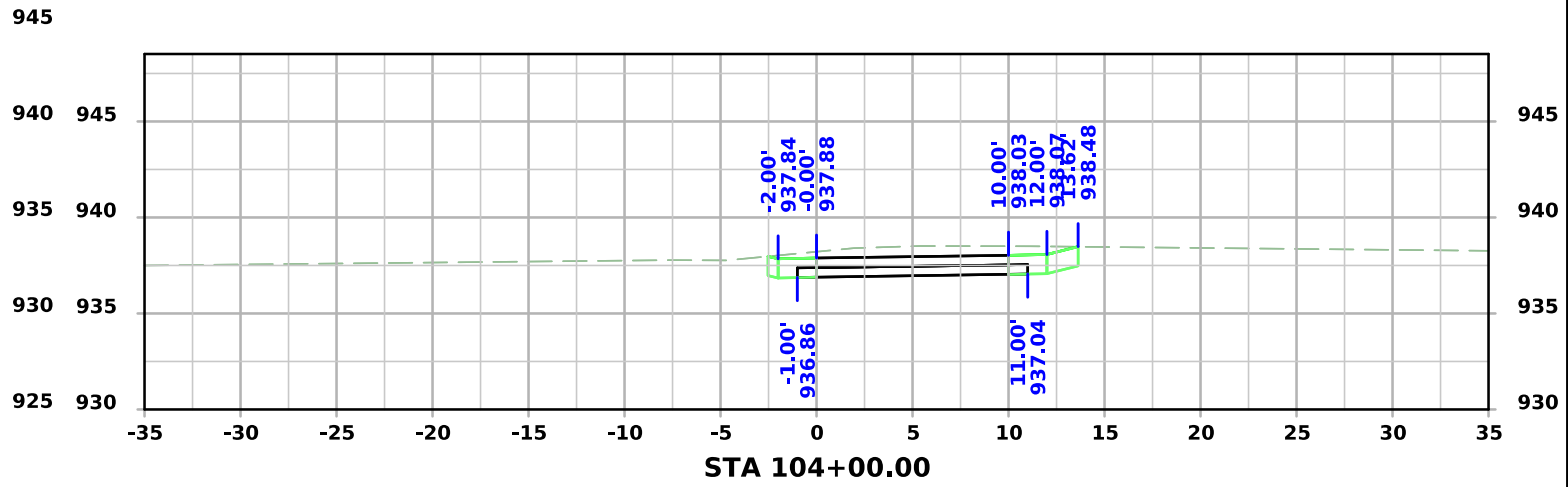
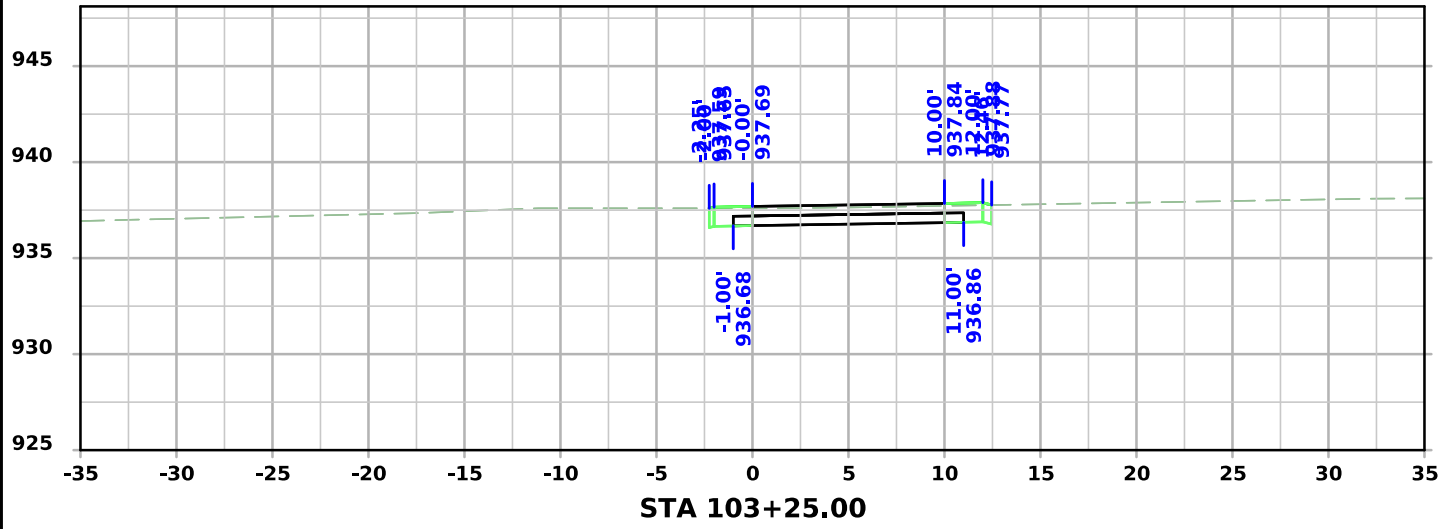
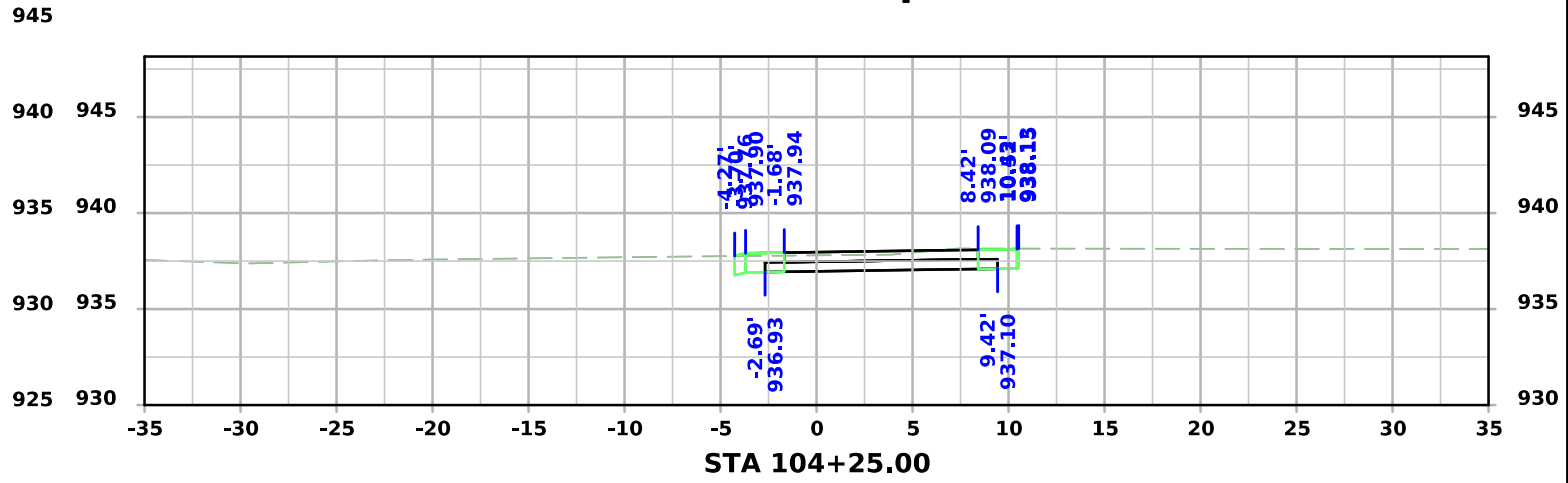
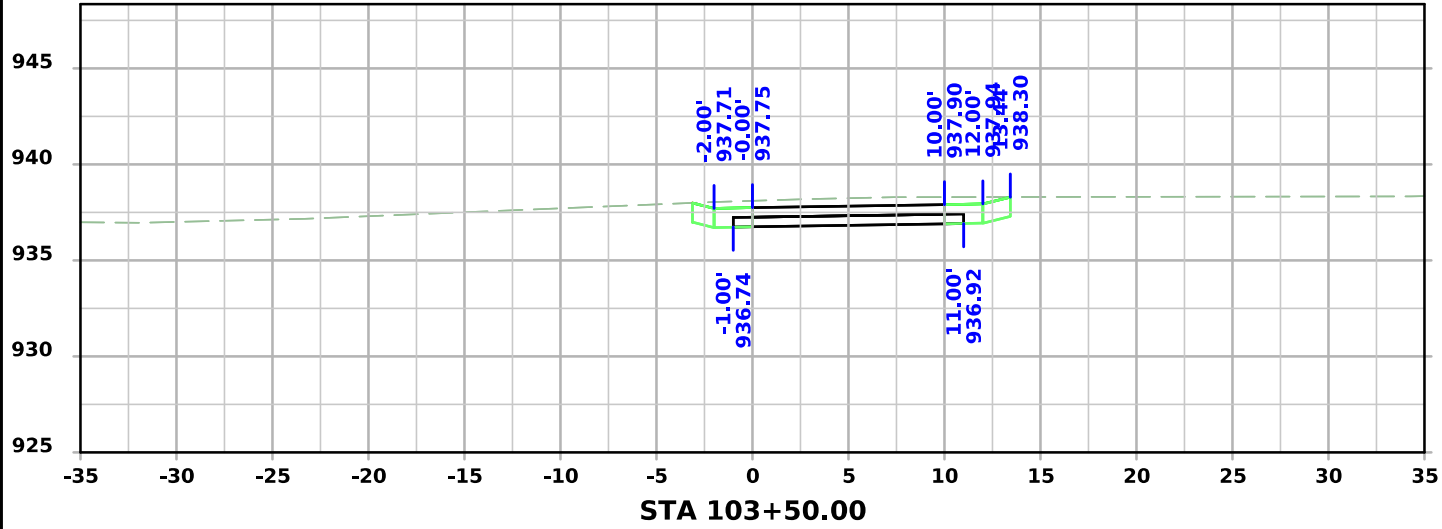
Loop - Brandt Park



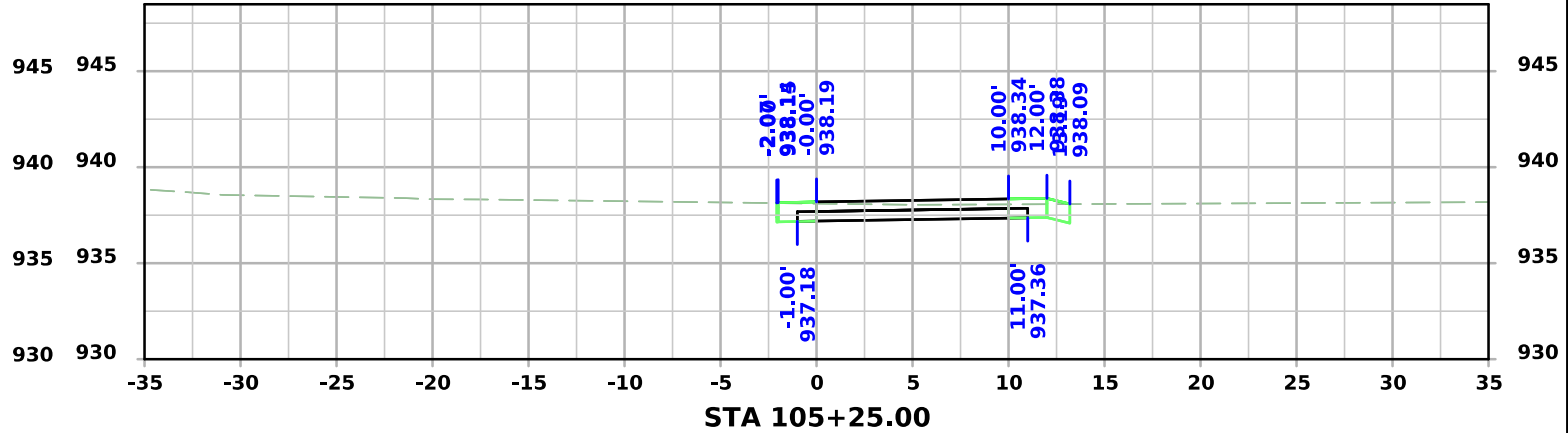
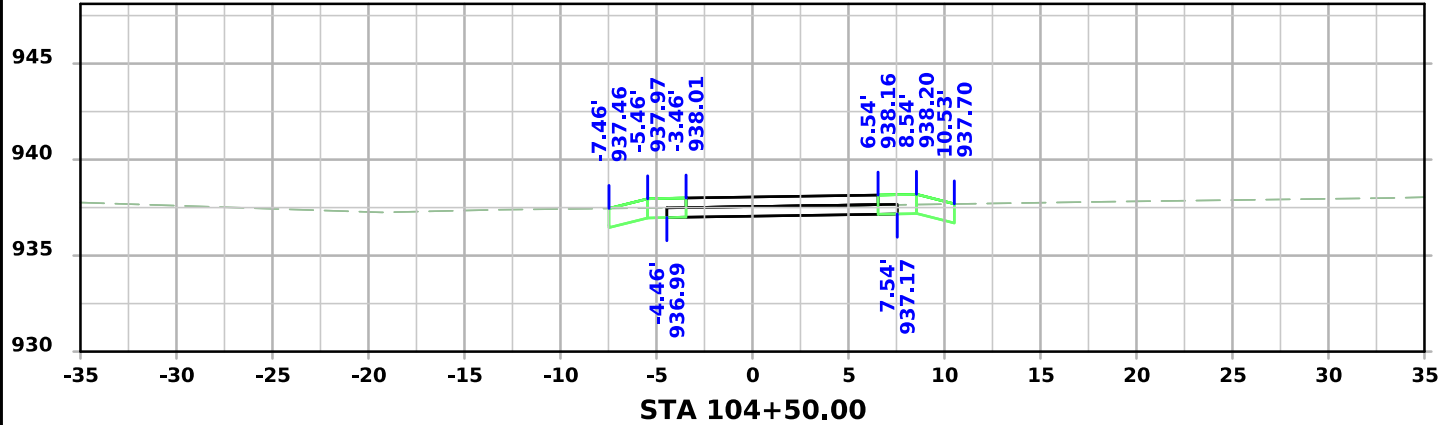
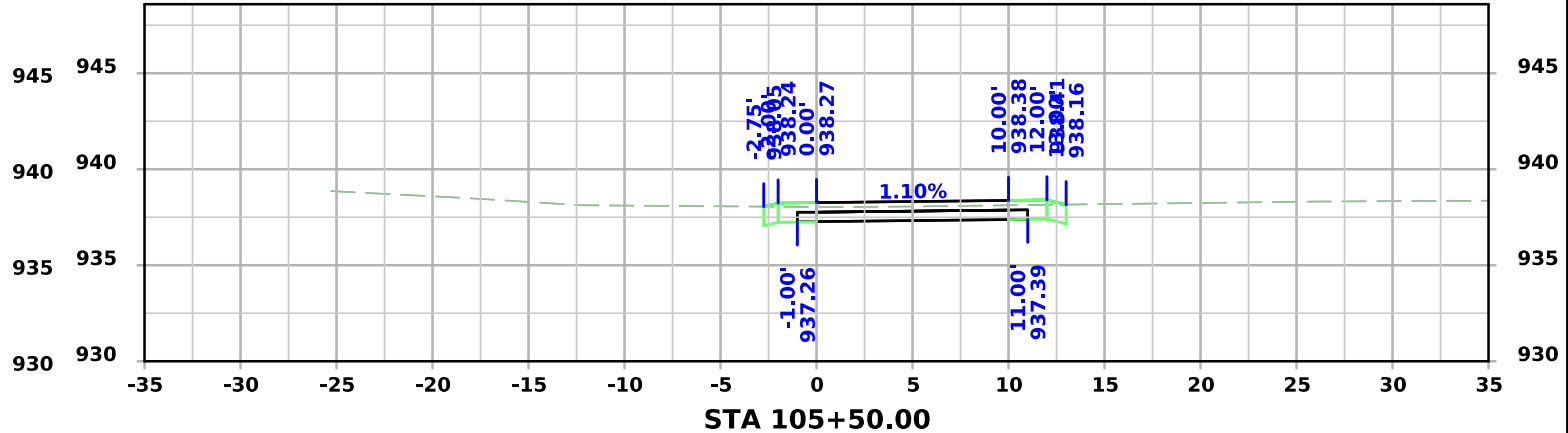
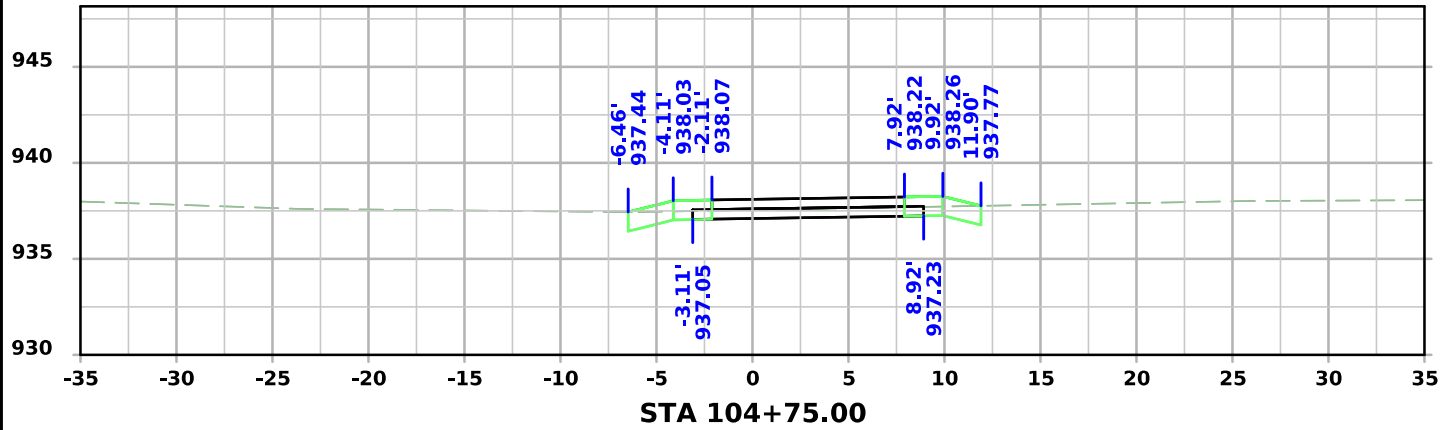
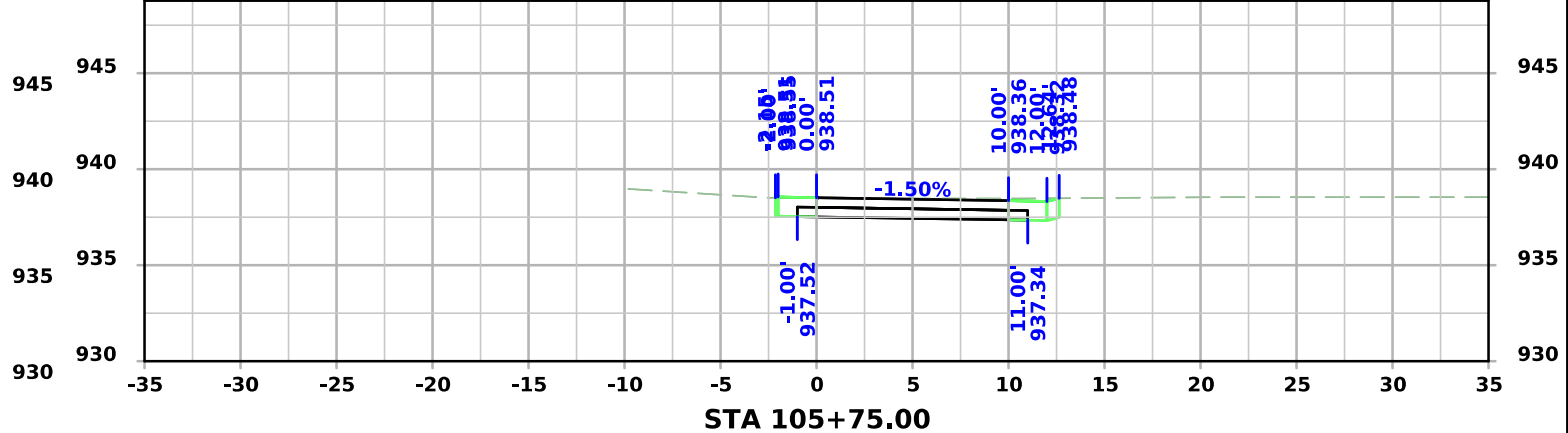
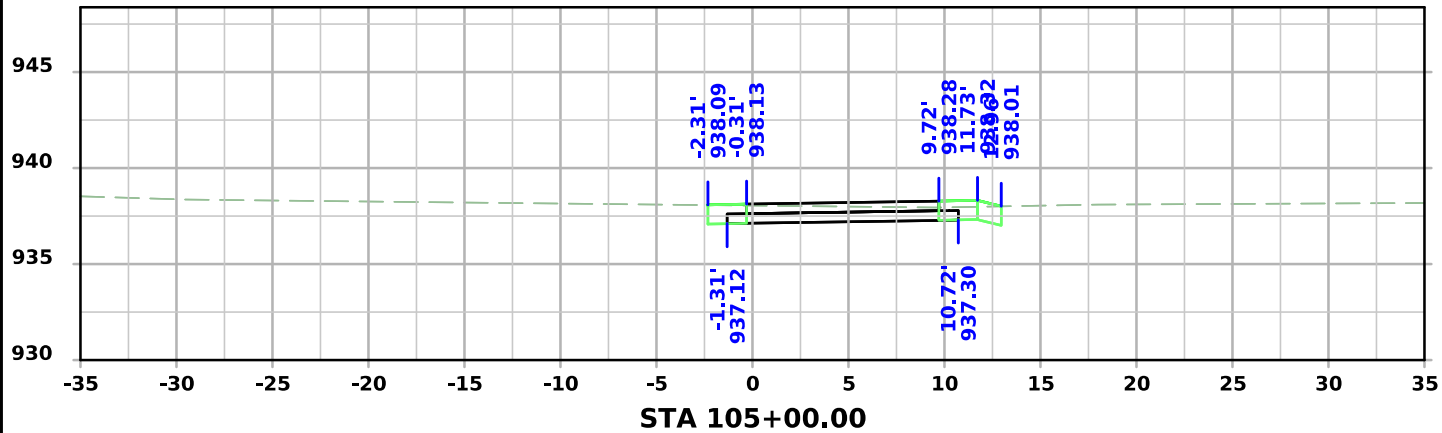
Loop - Brandt Park



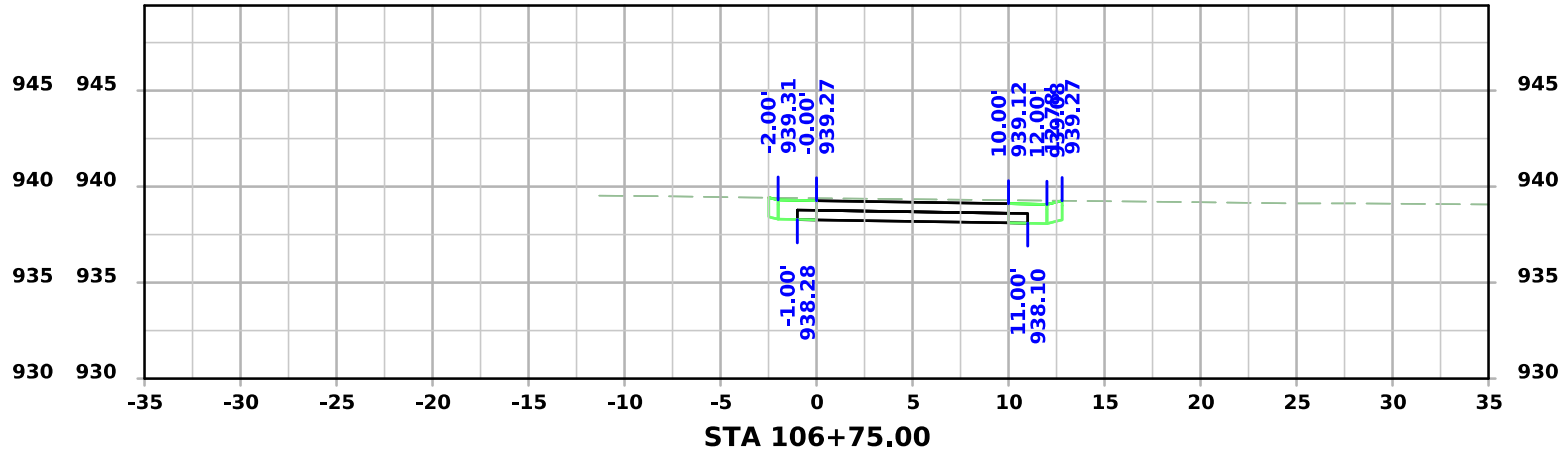
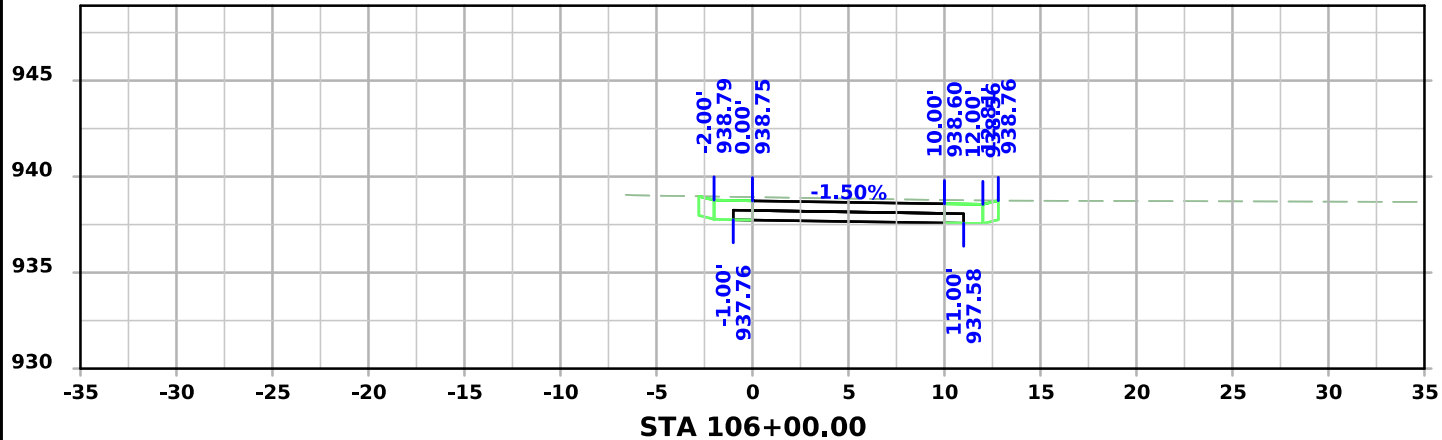
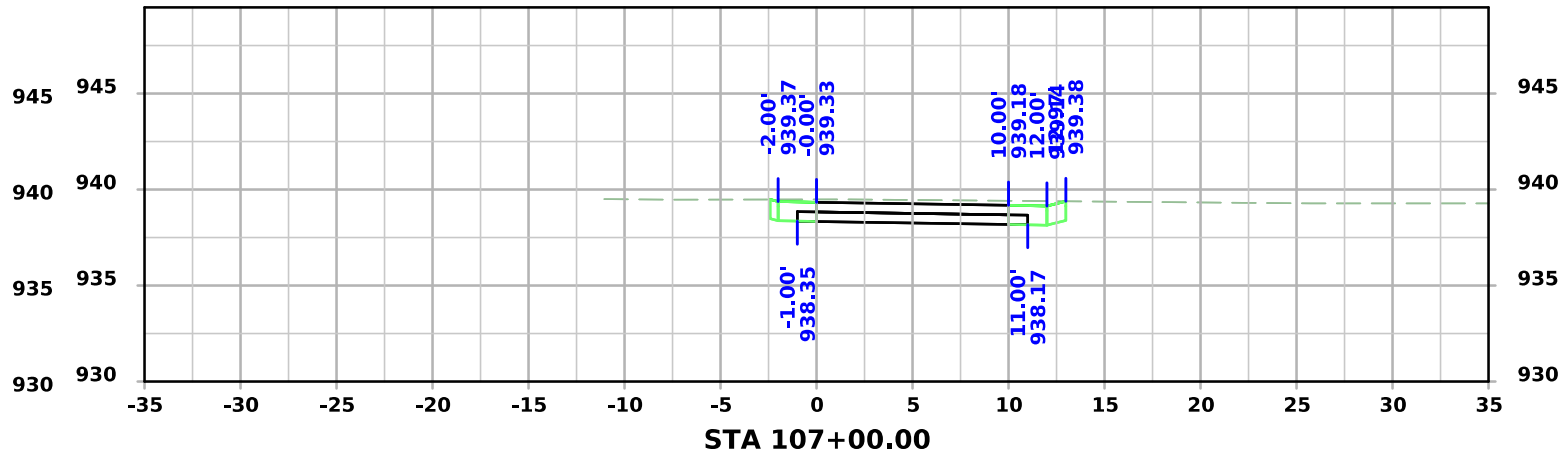
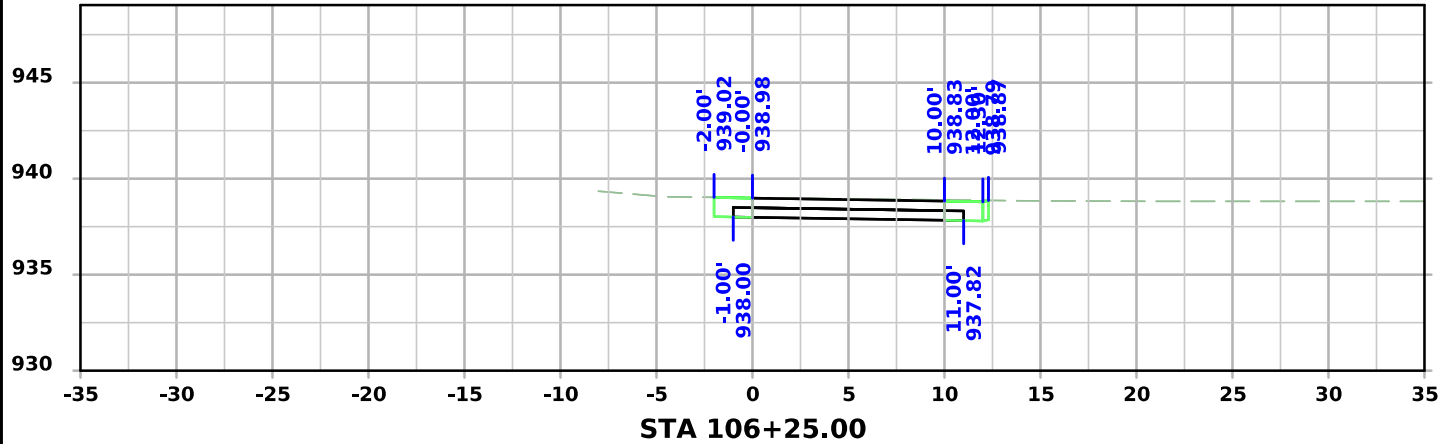
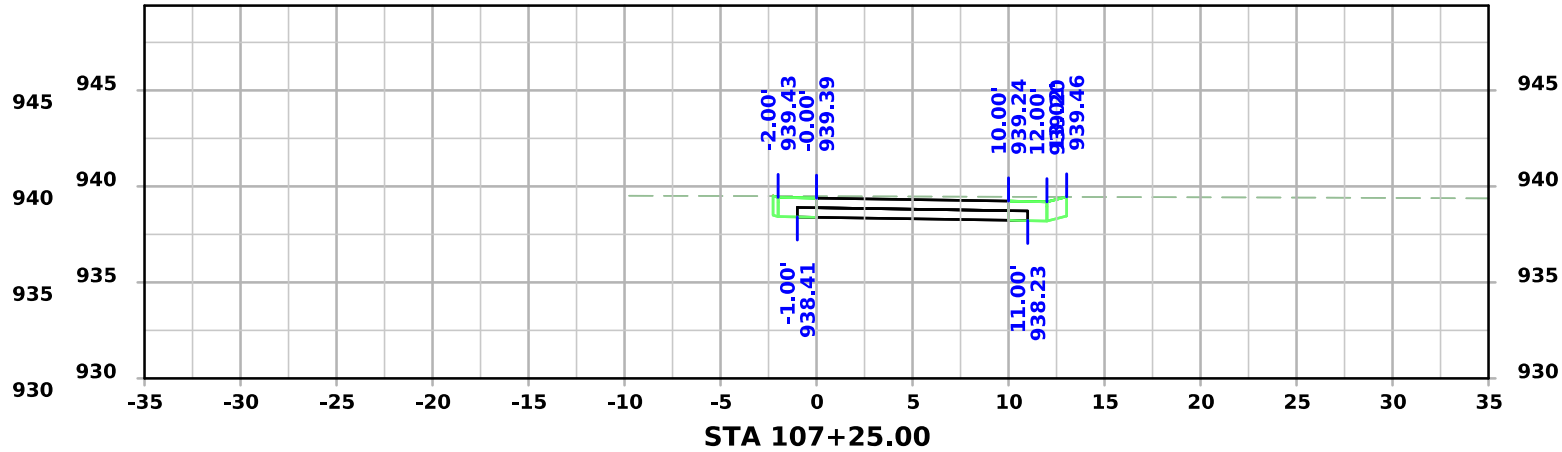
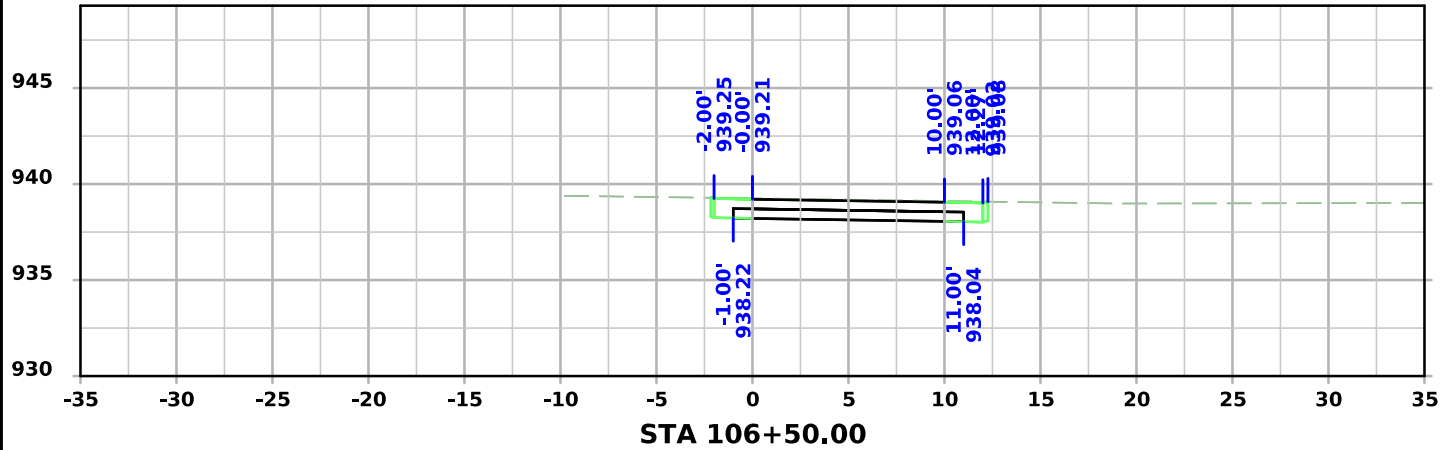
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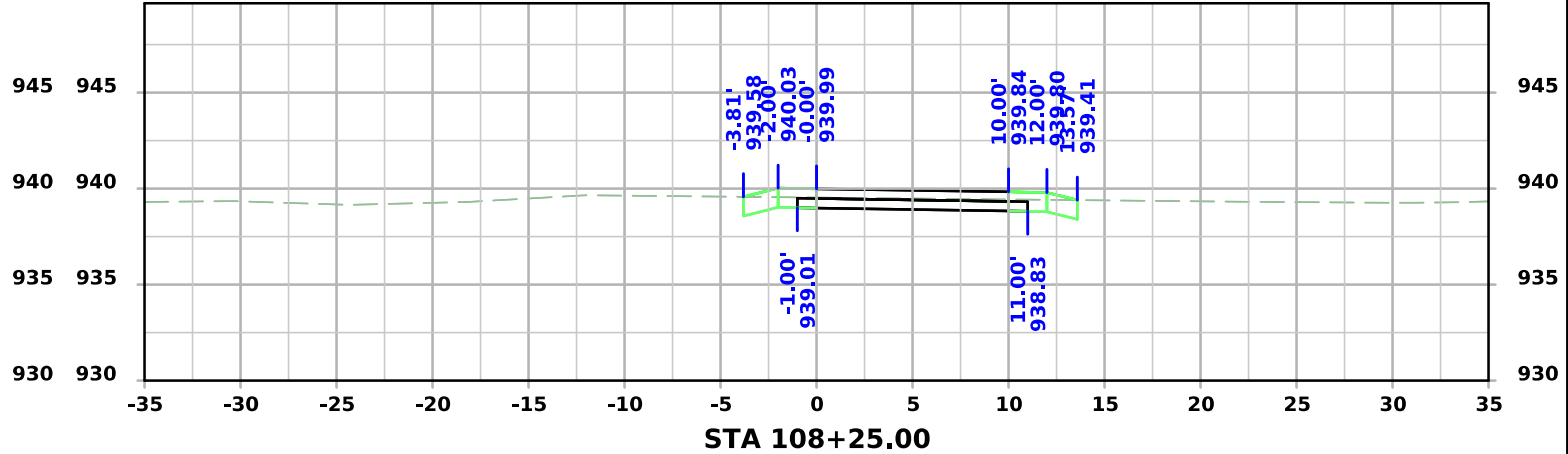
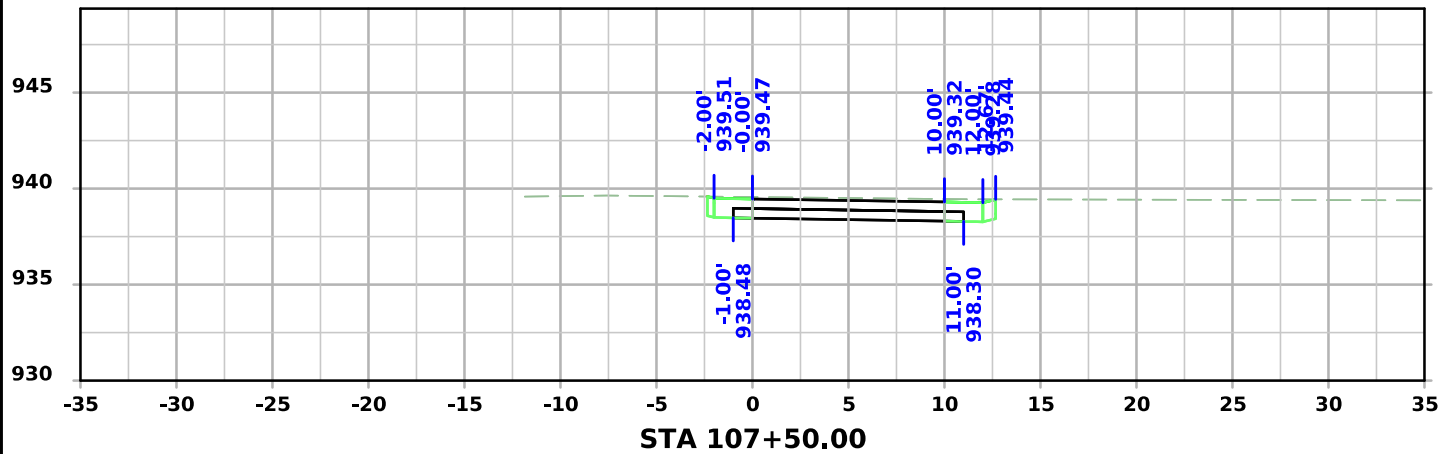
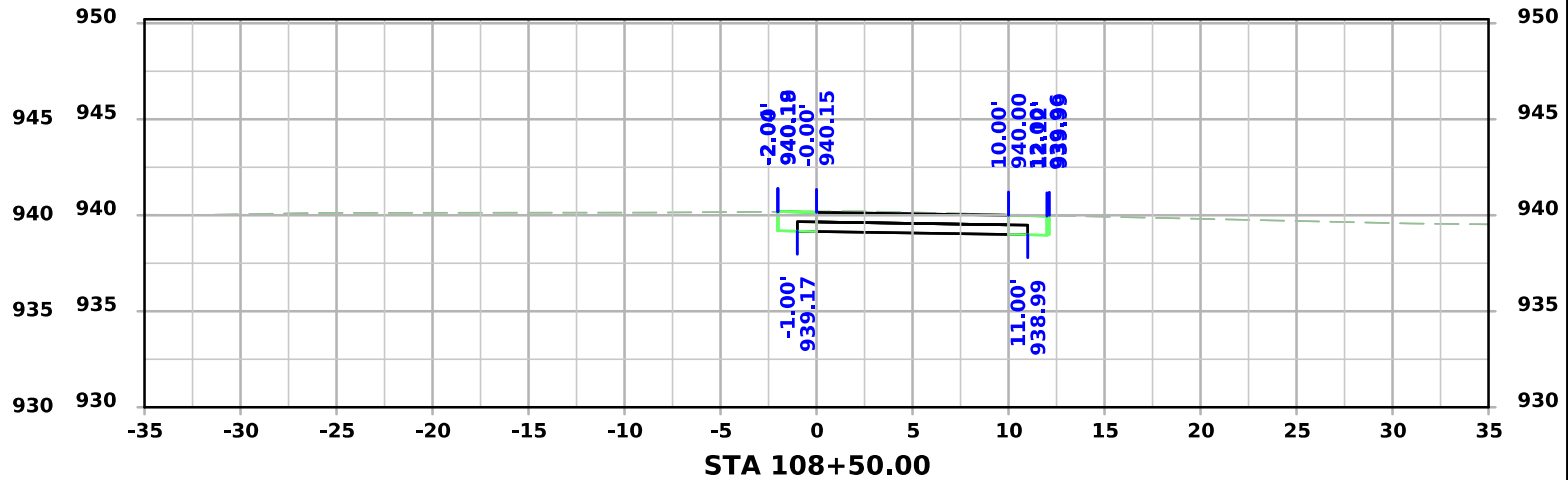
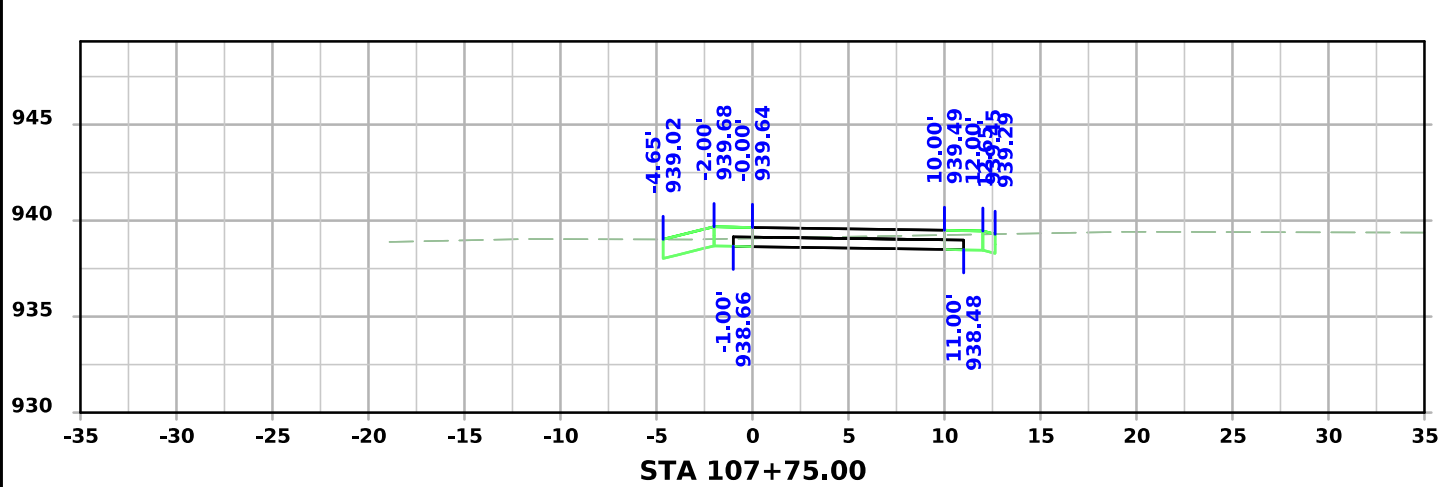
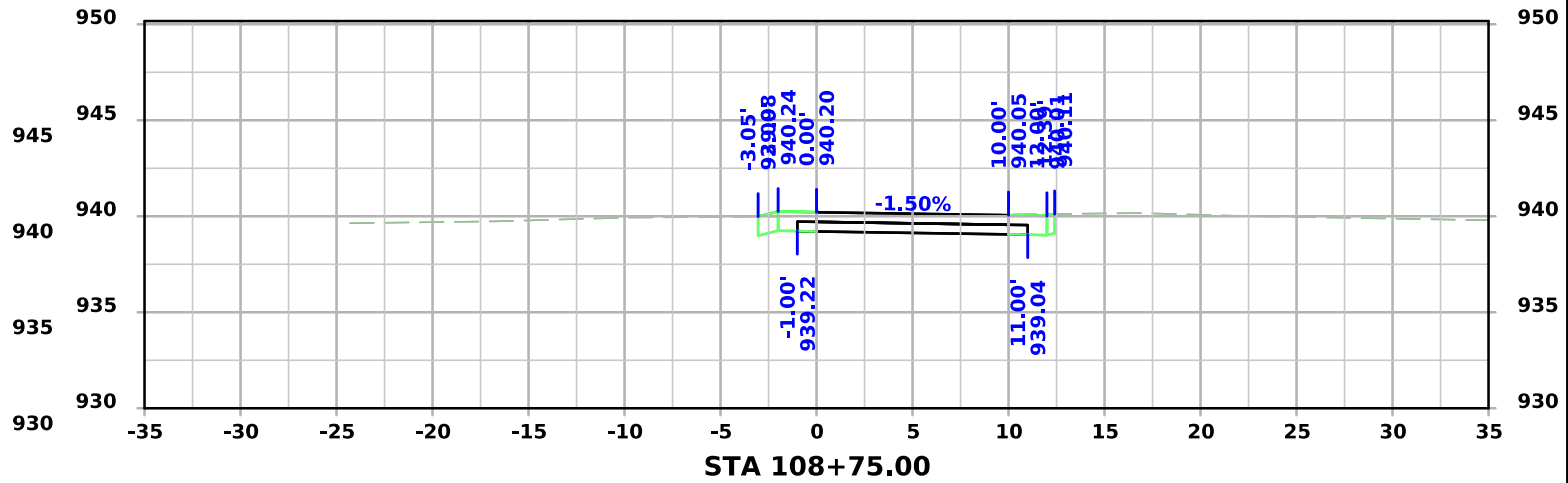
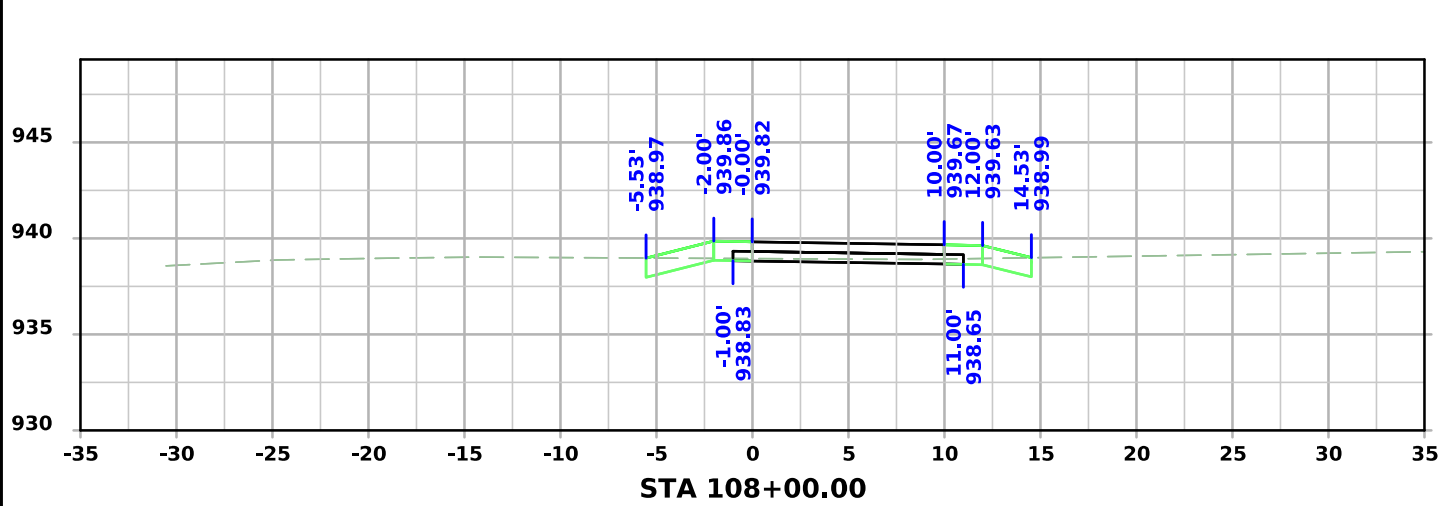
Loop - Brandt Park



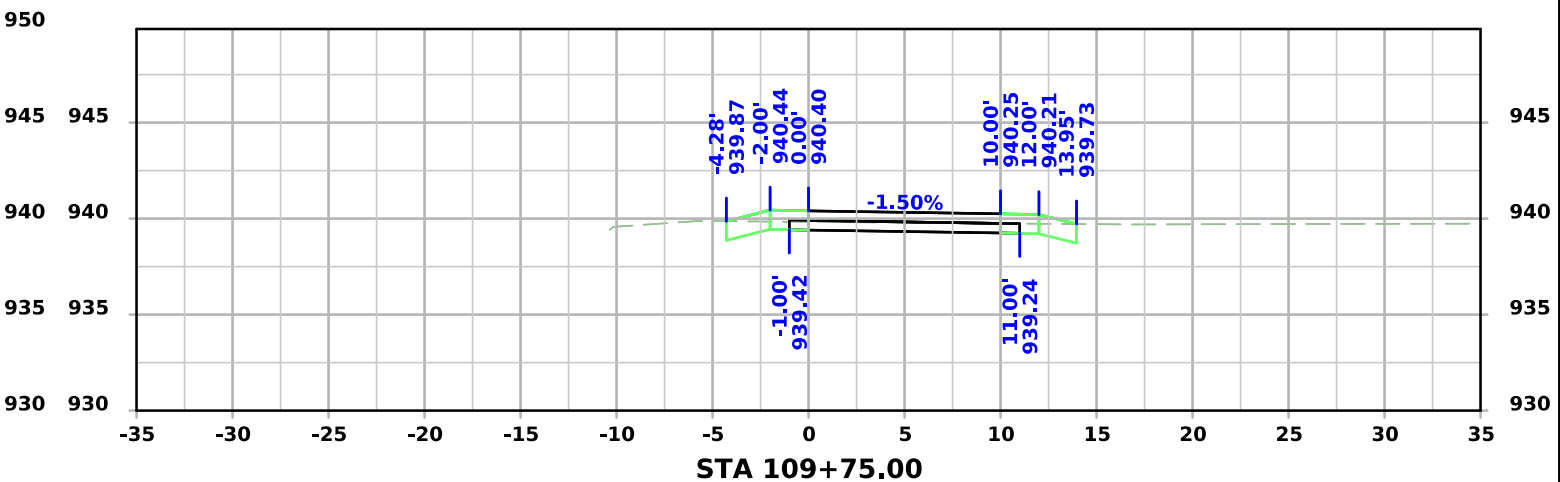
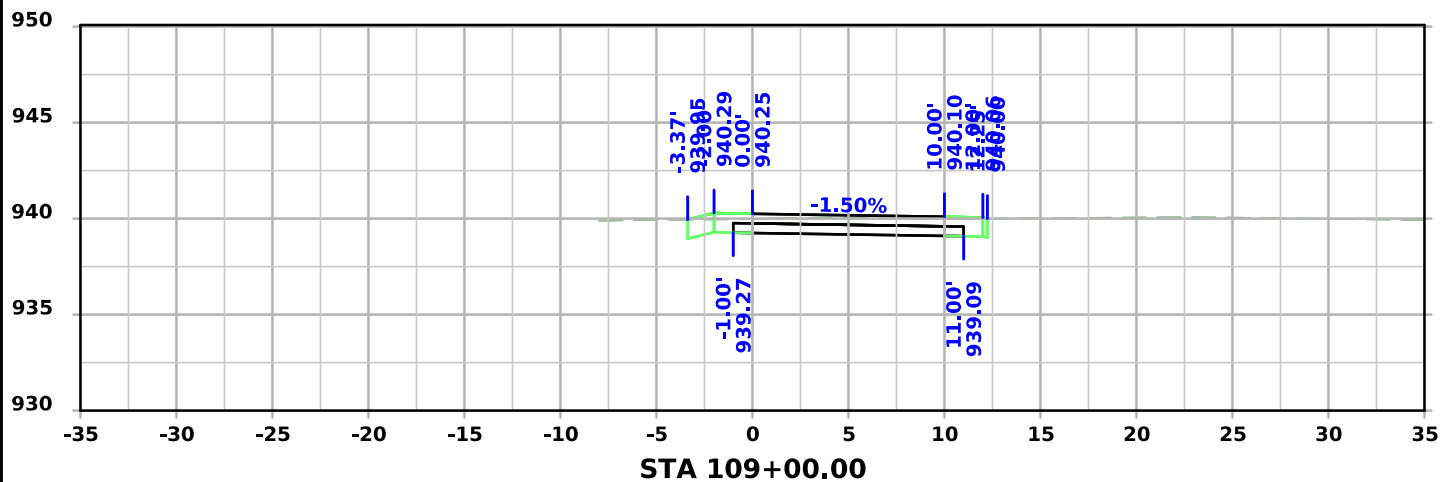
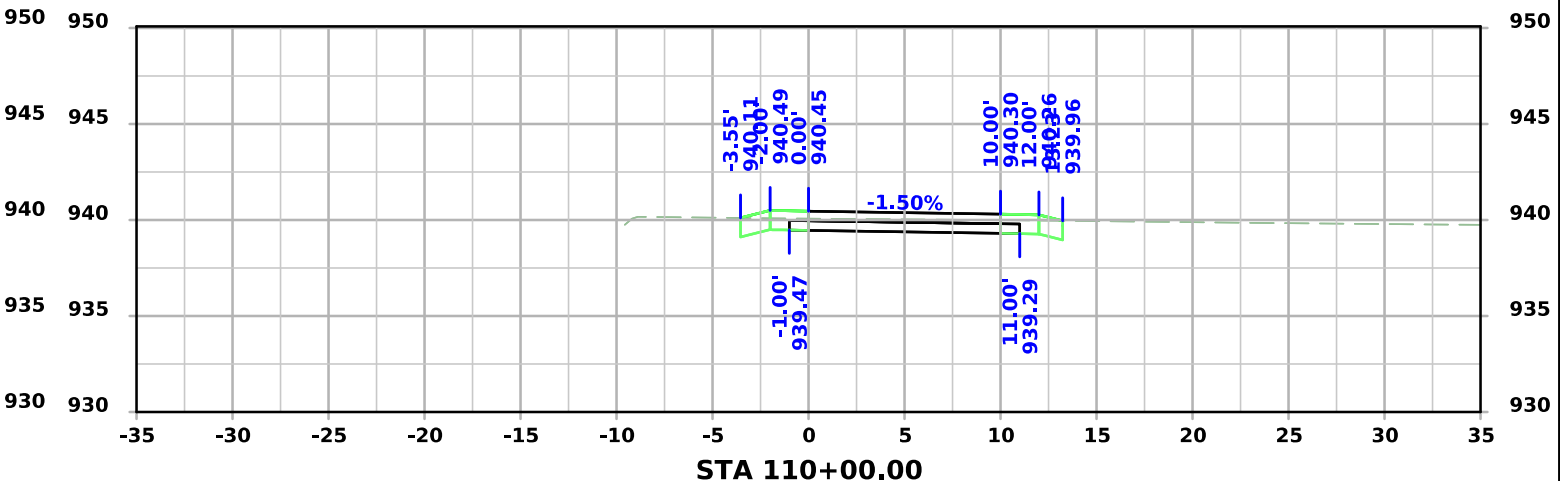
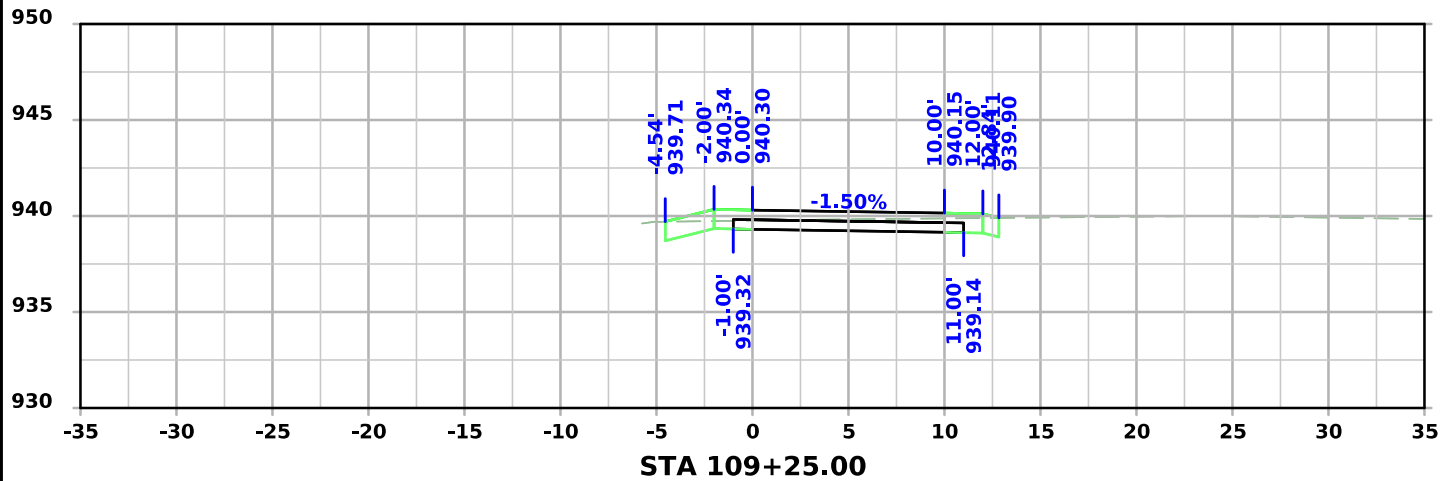
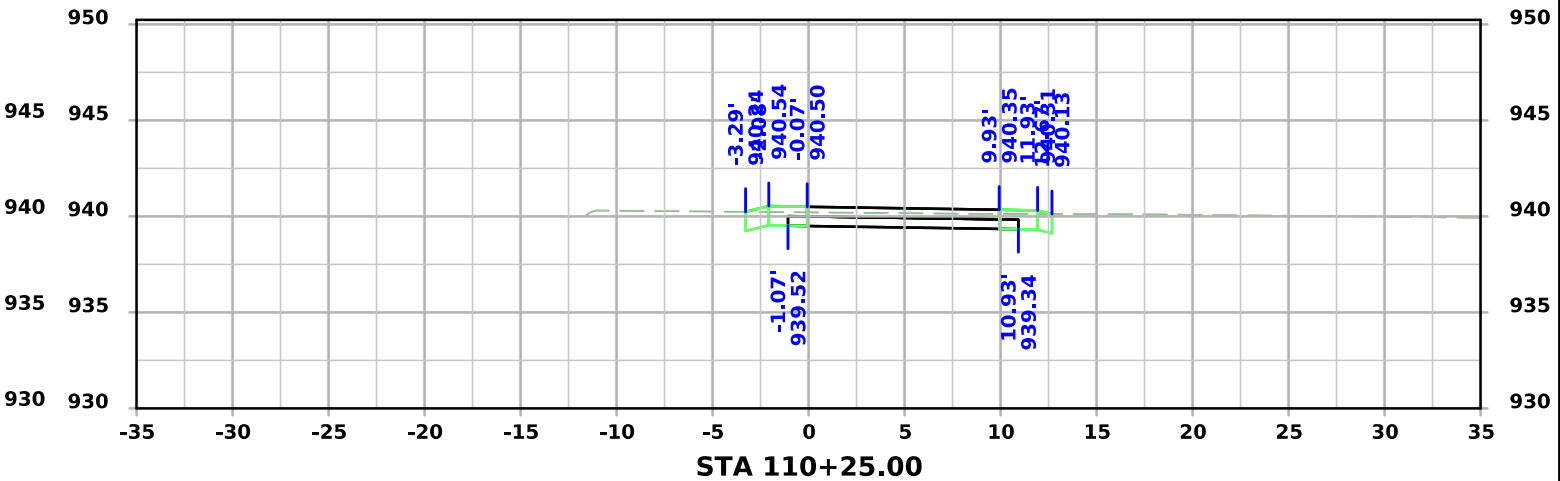
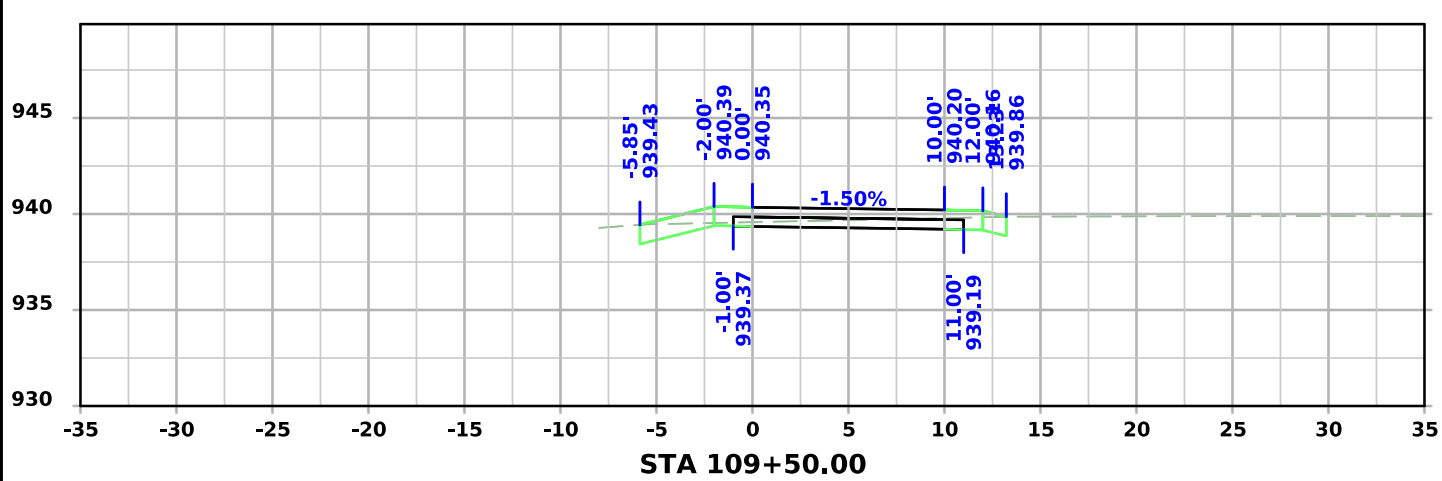
Loop - Brandt Park



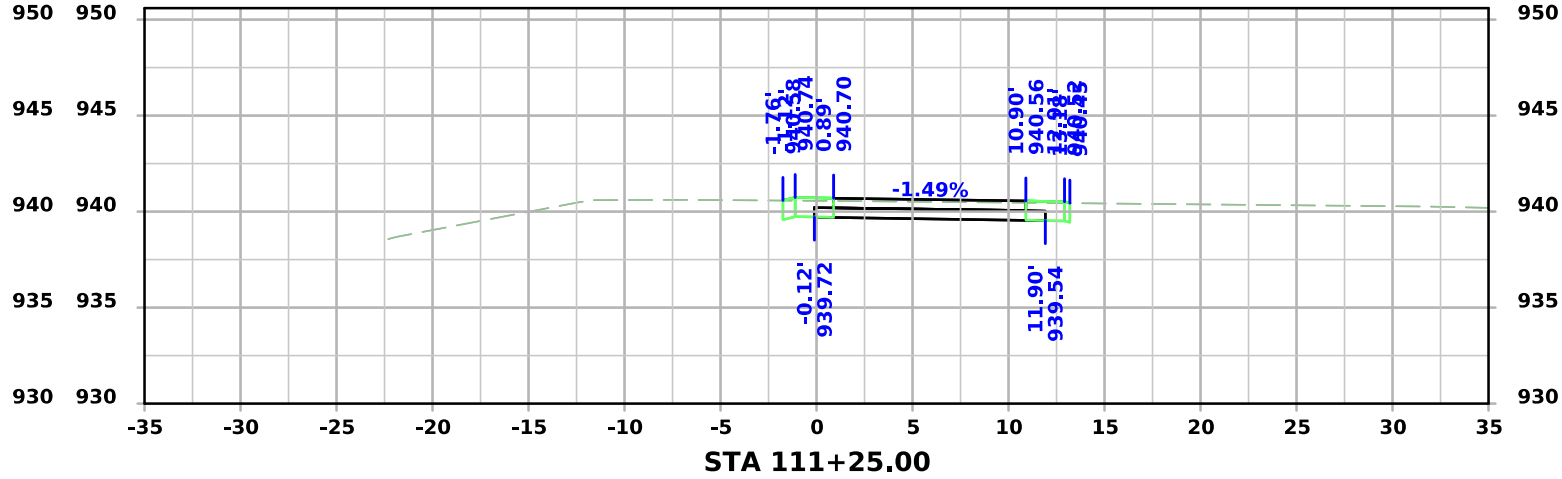
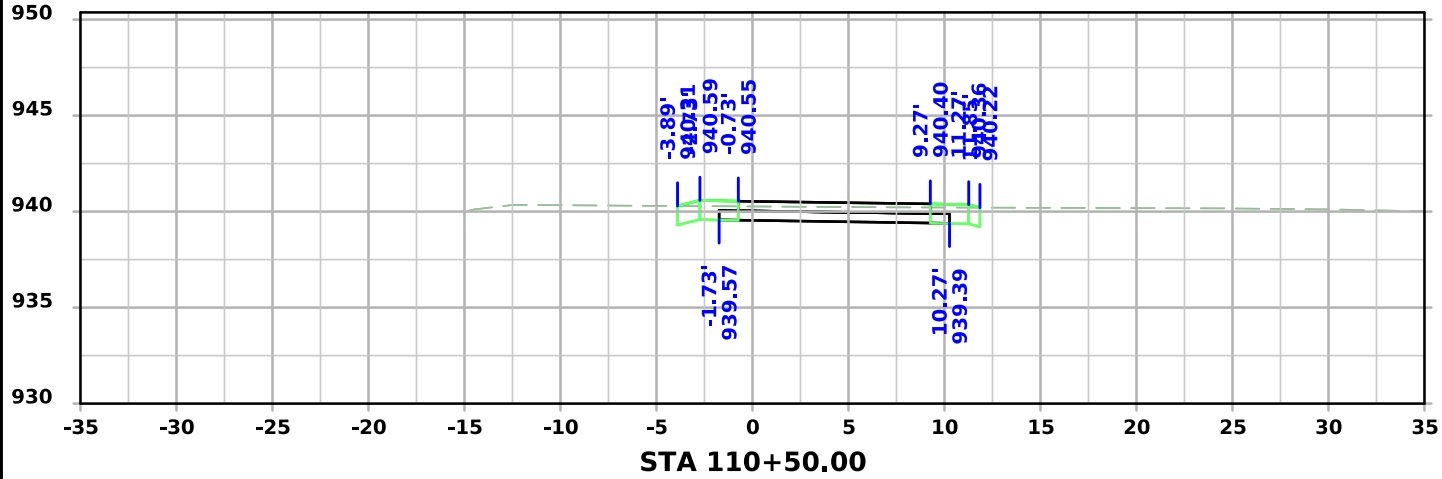
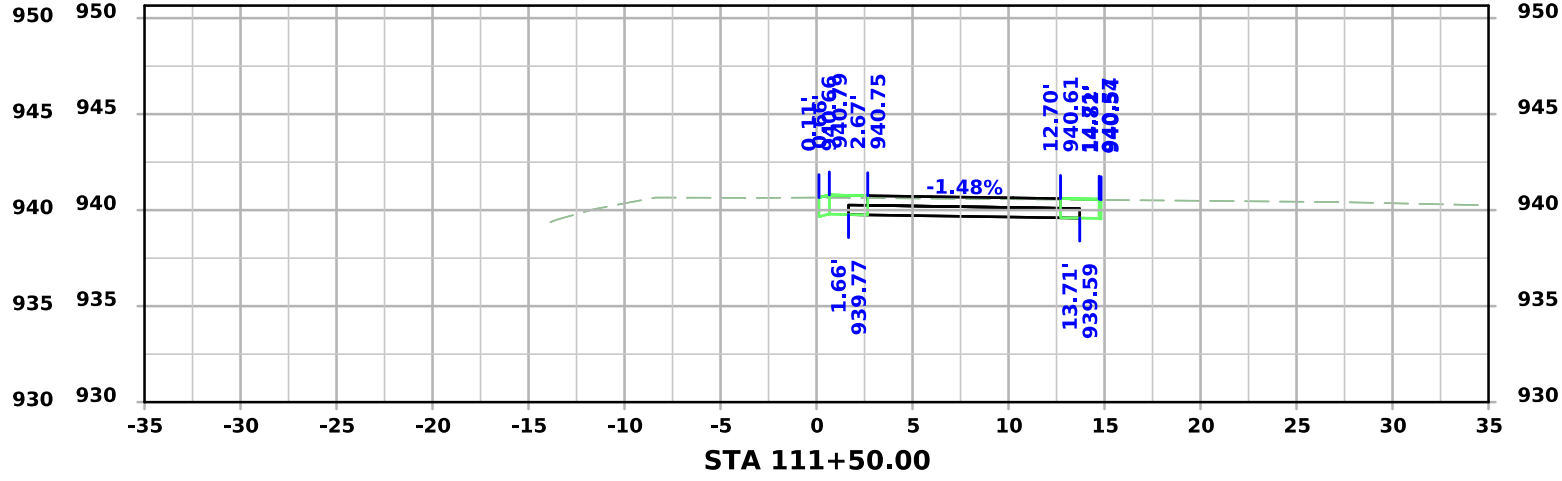
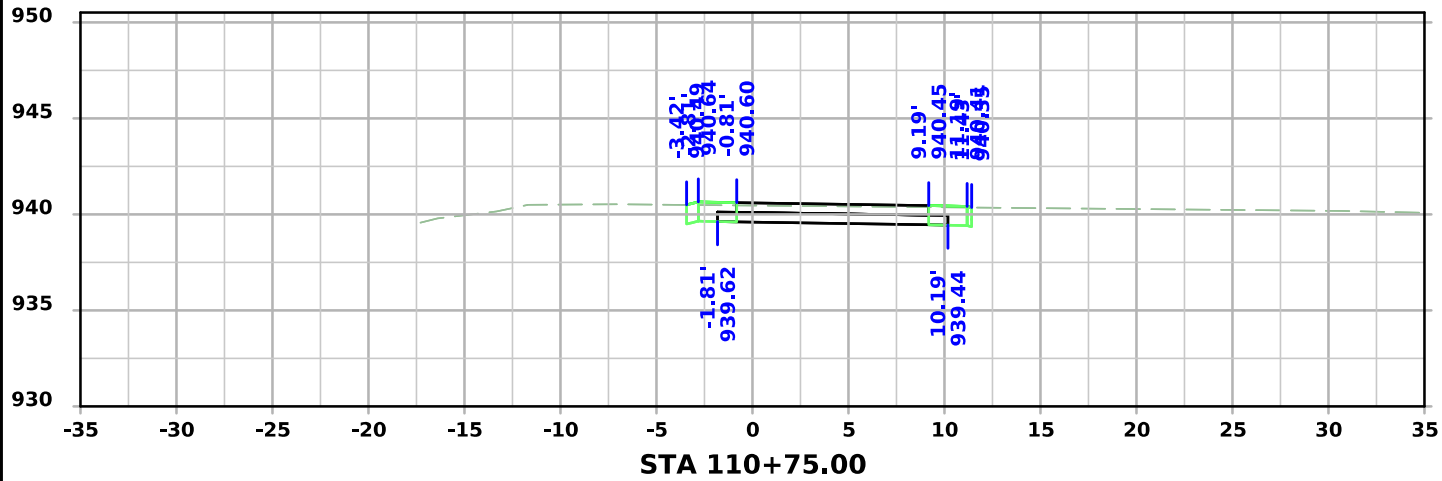
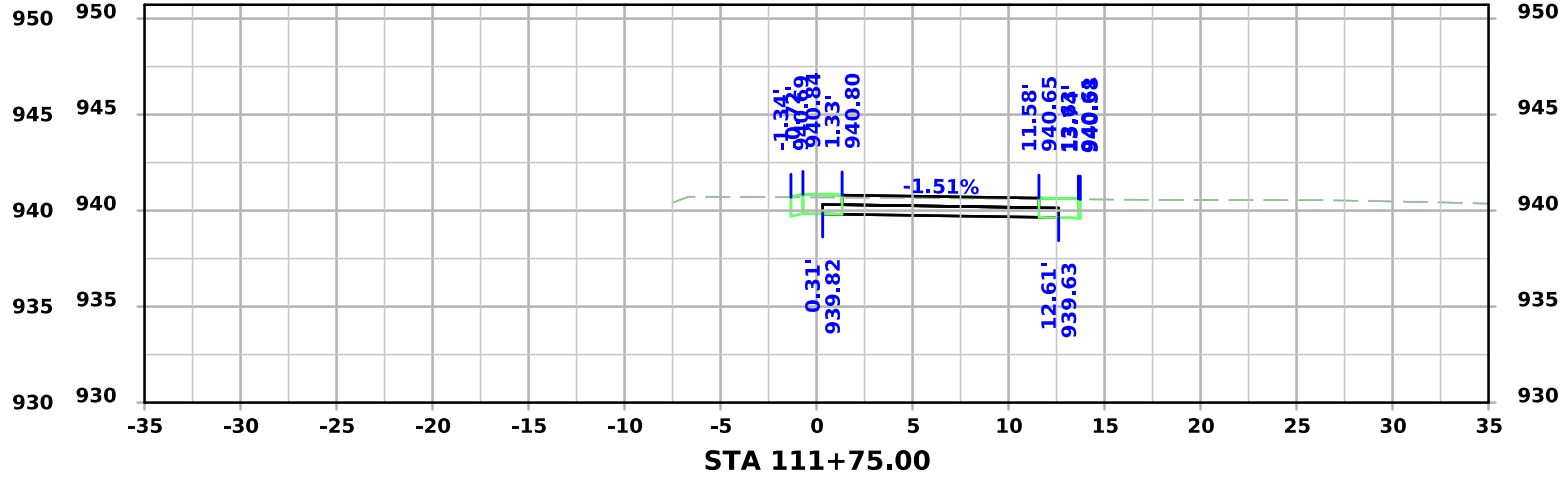
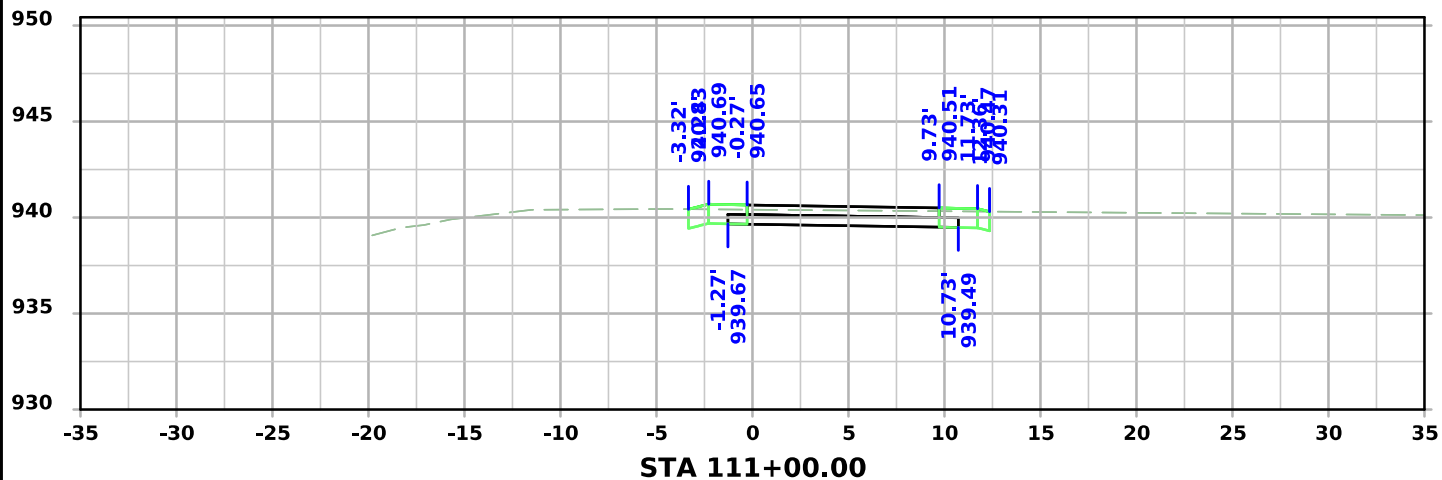
Loop - Brandt Park



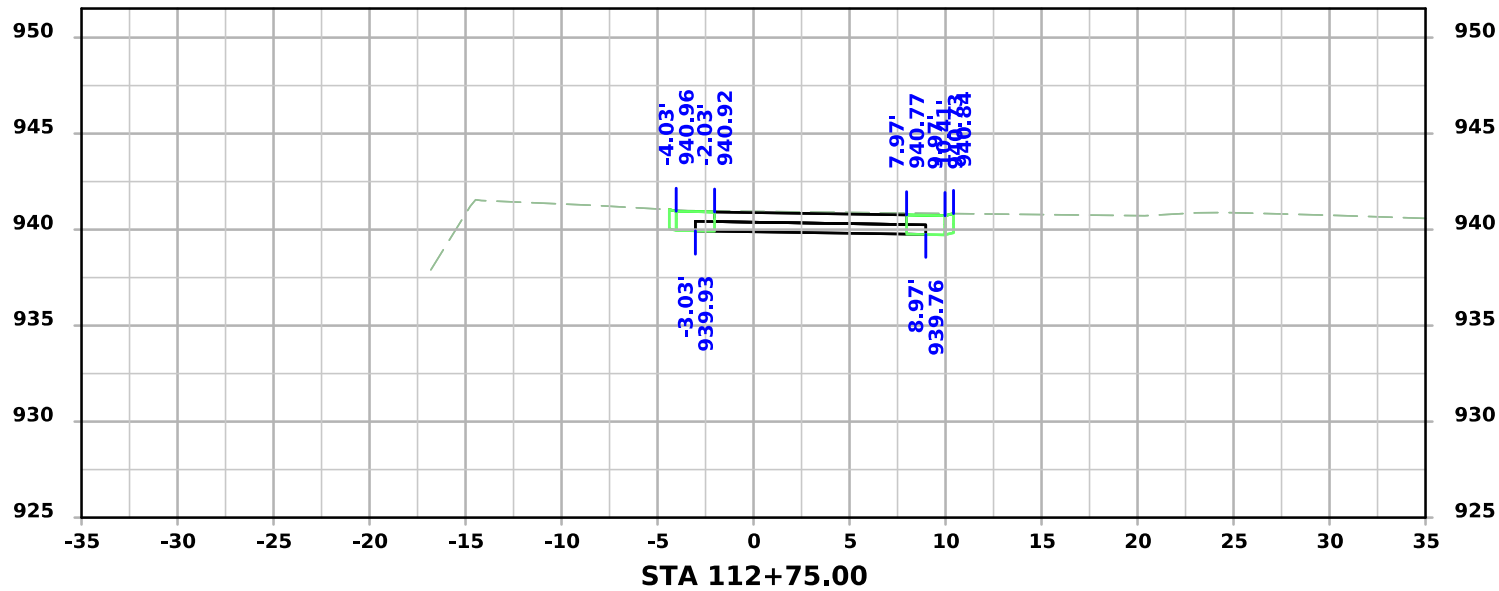
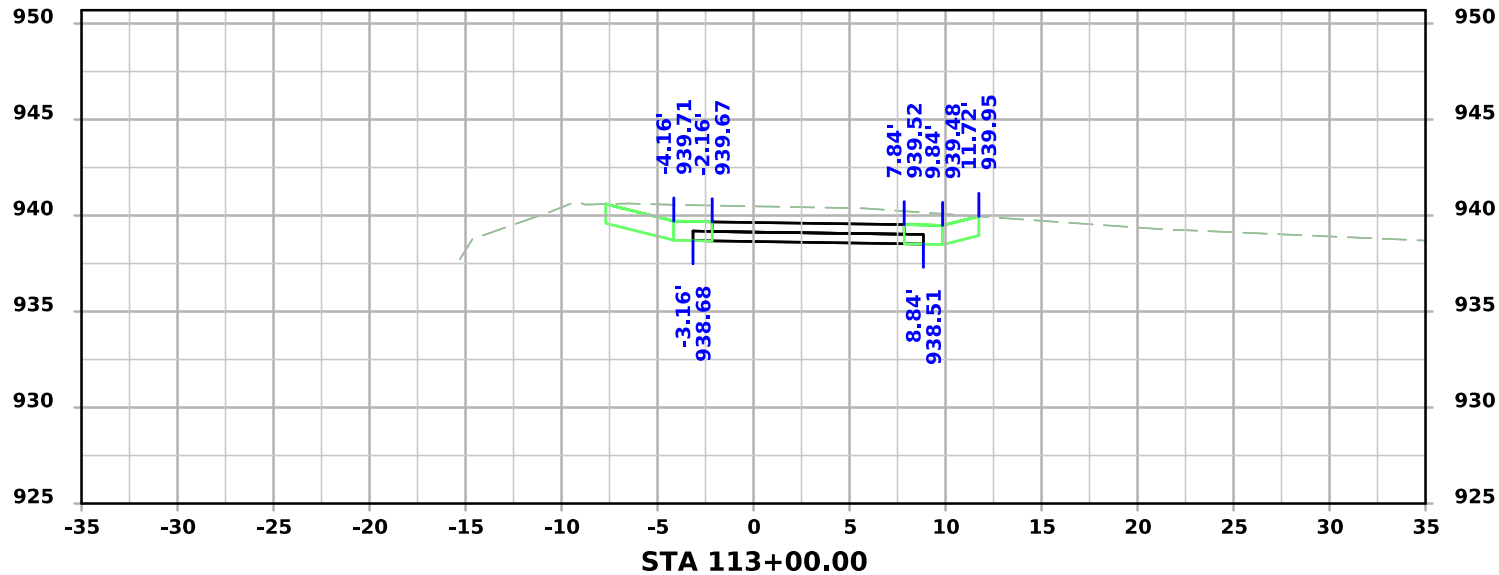
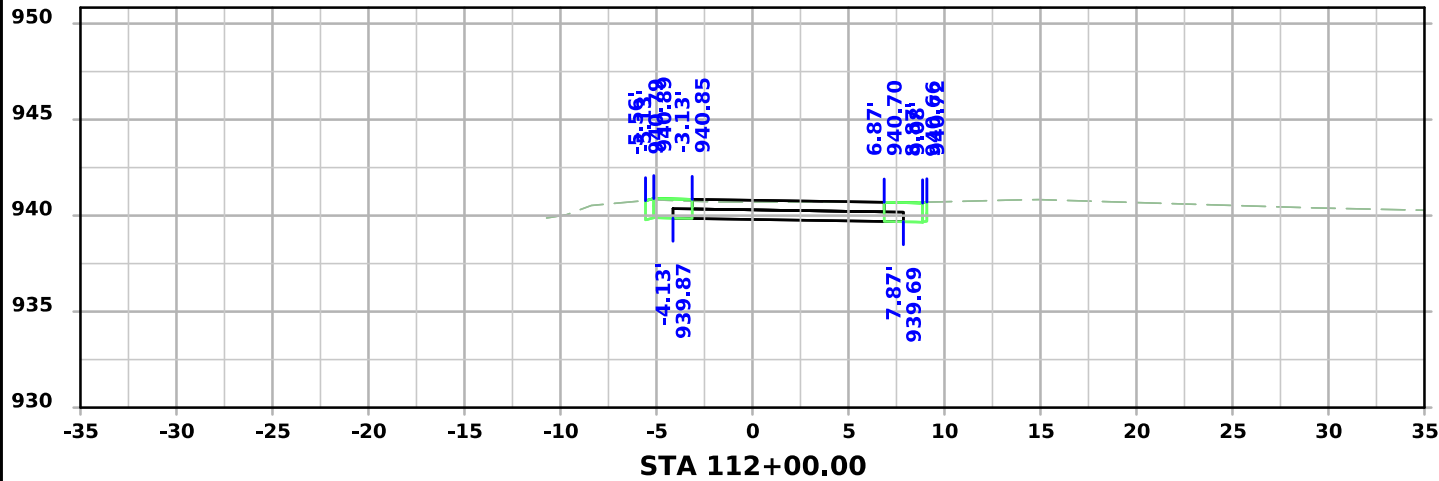
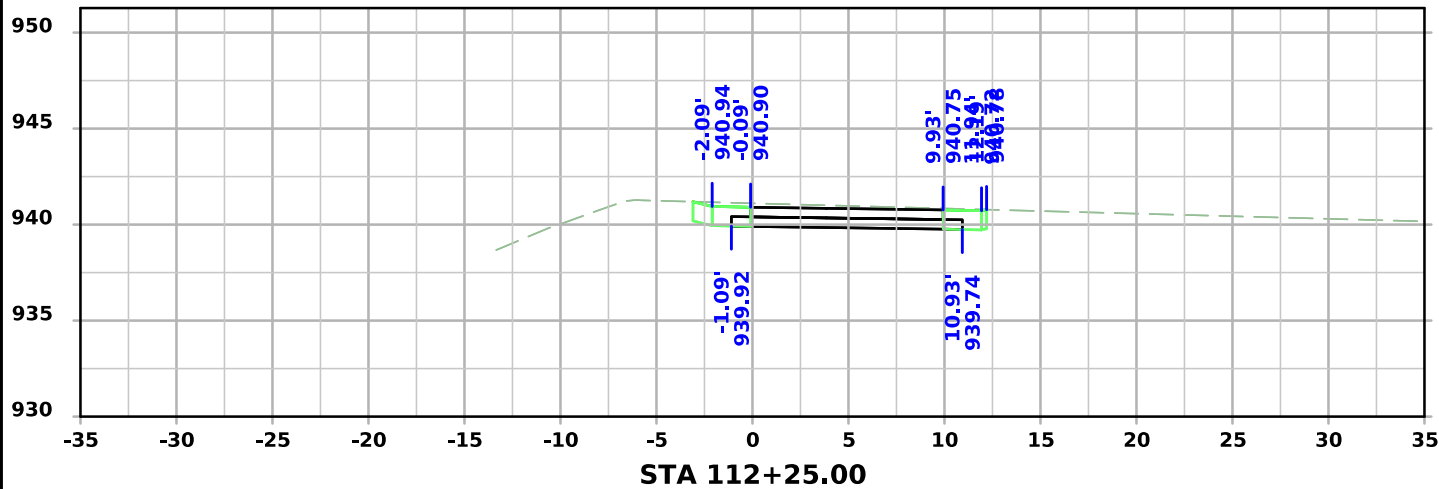
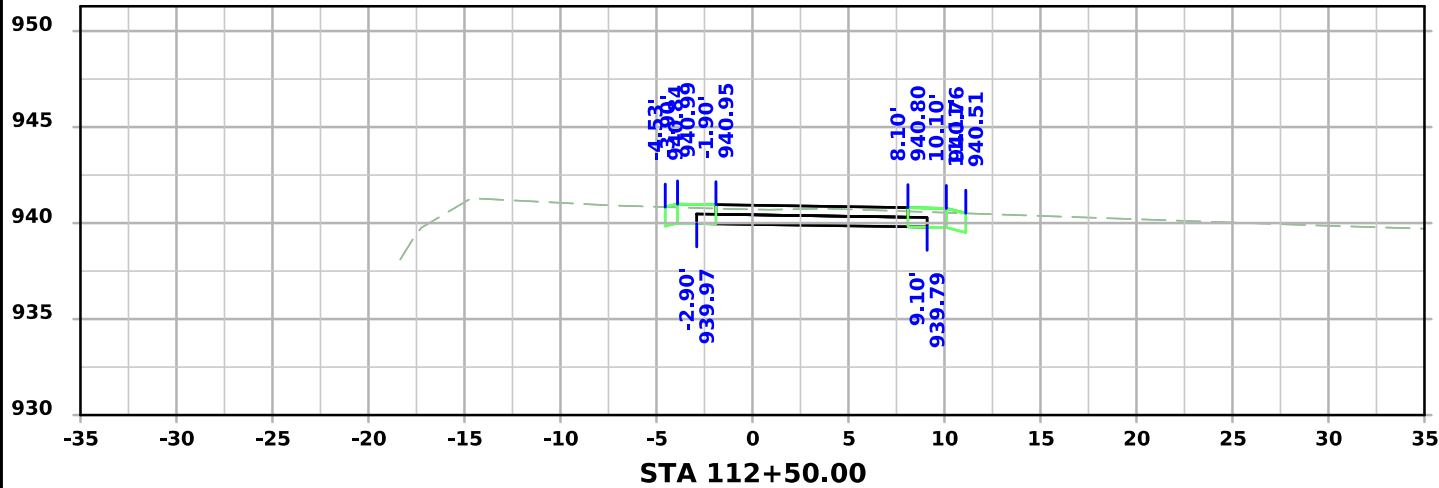
Loop - Brandt Park



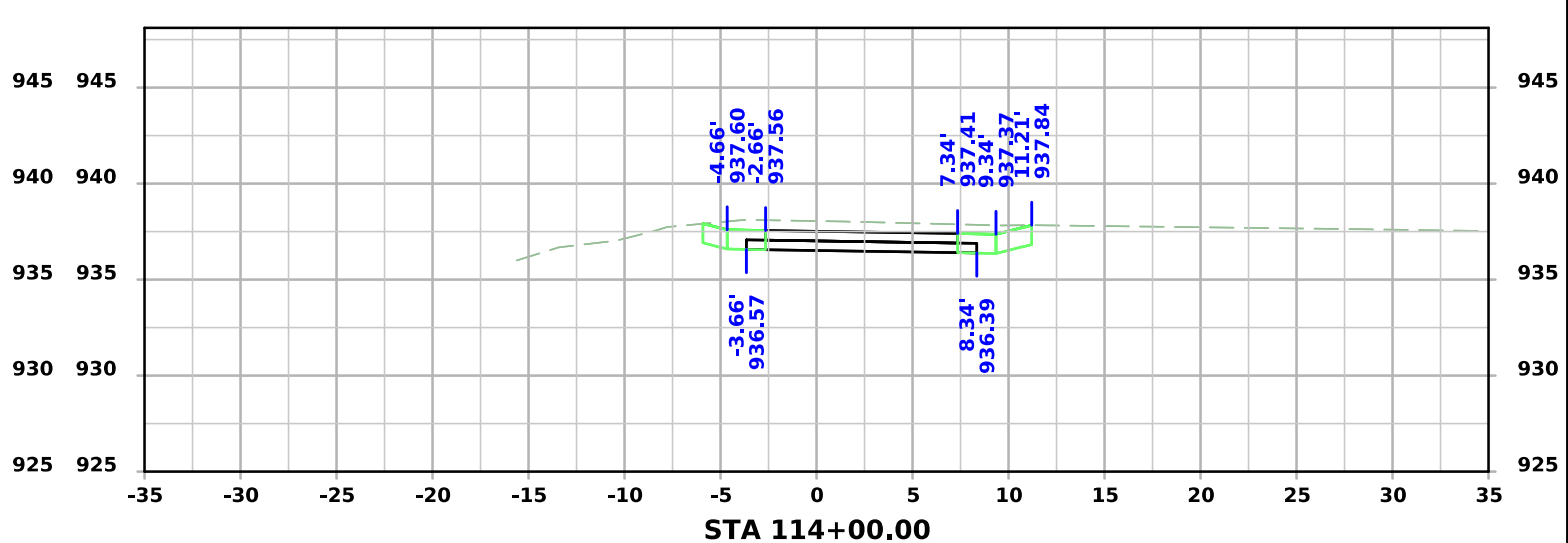
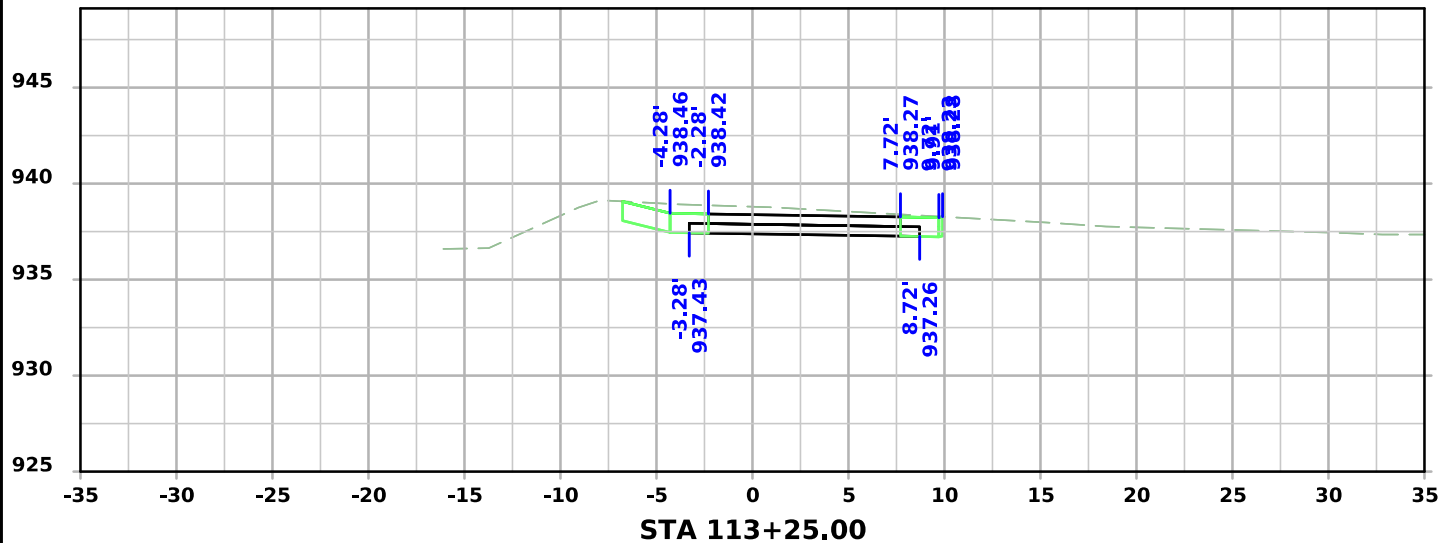
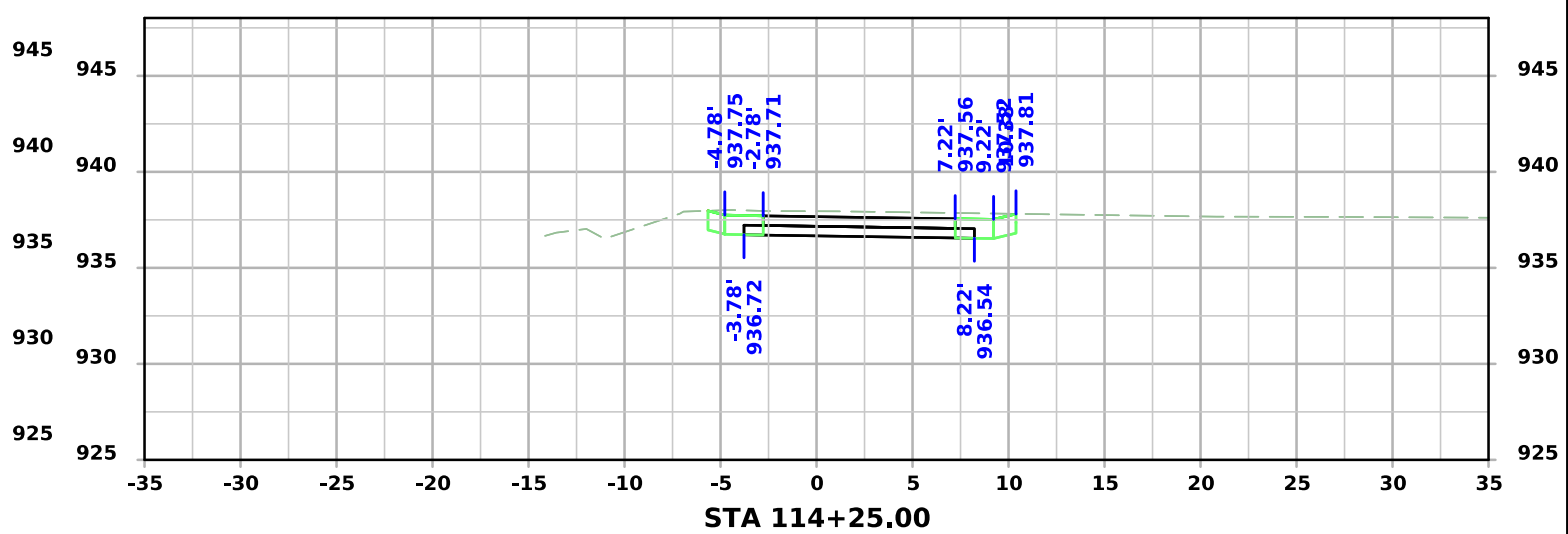
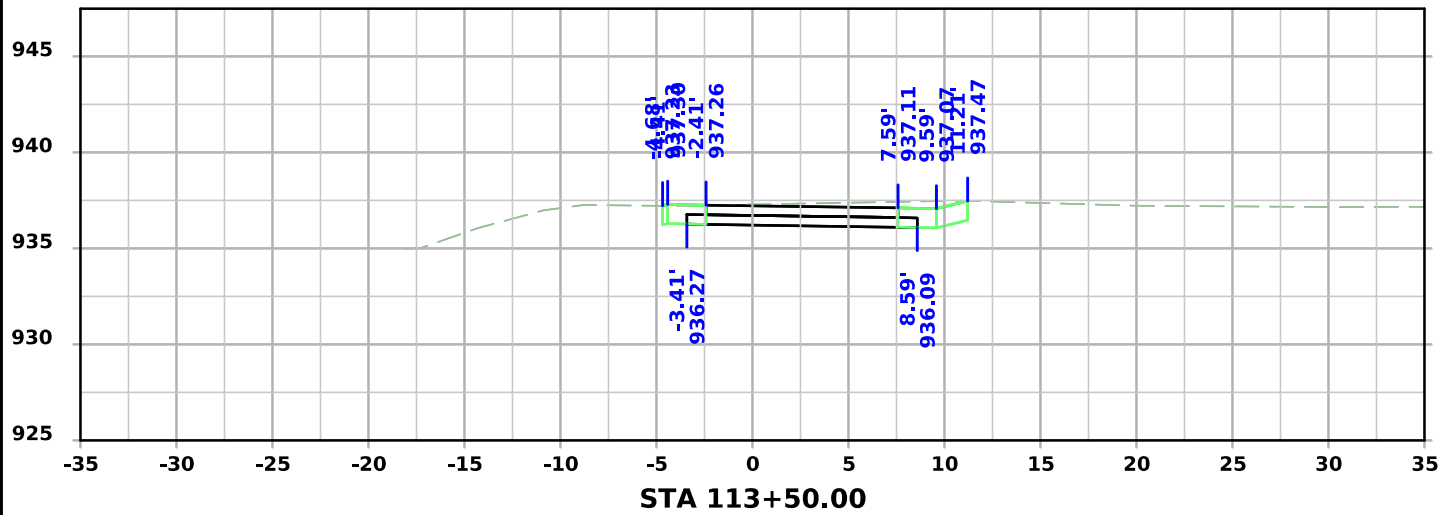
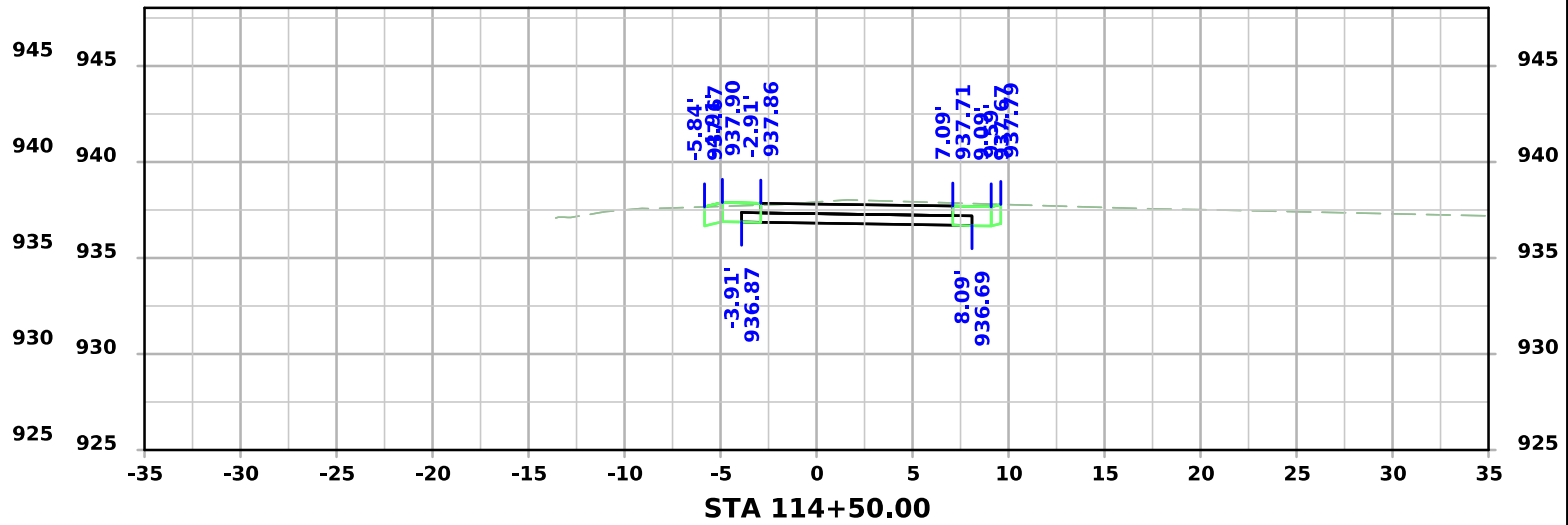
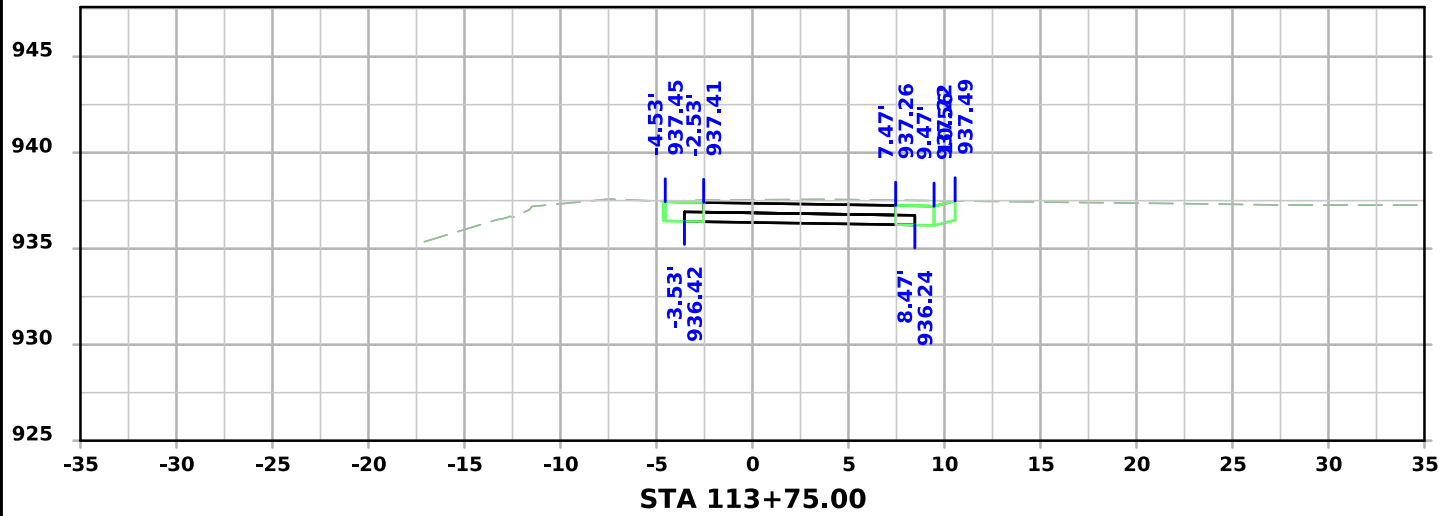
Loop - Brandt Park



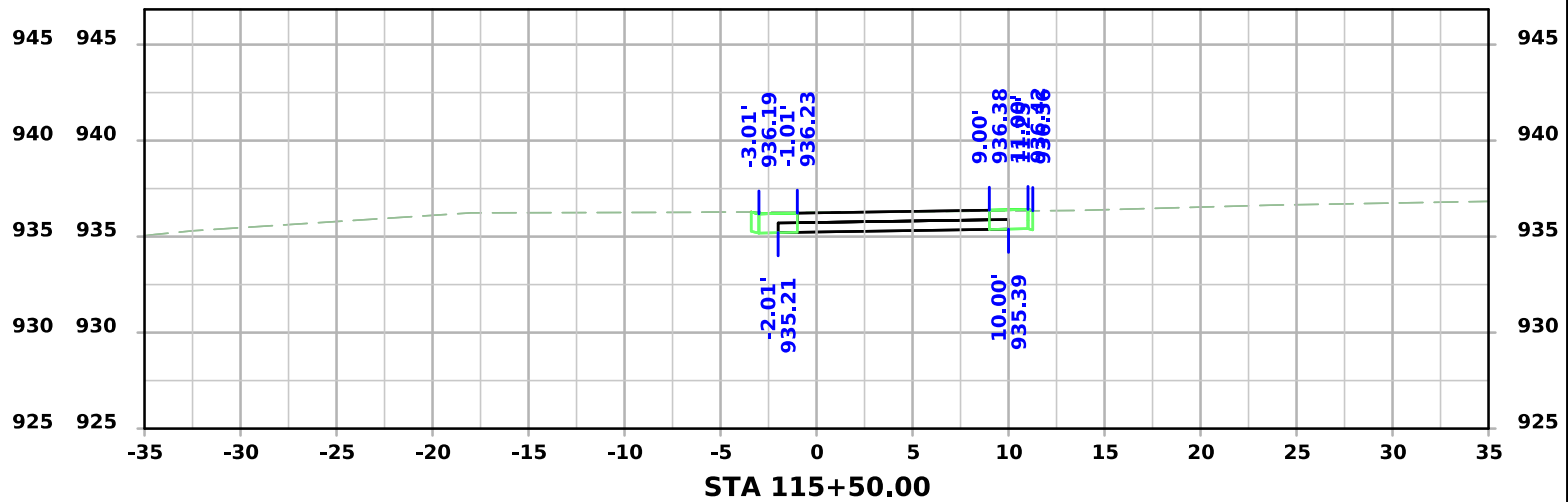
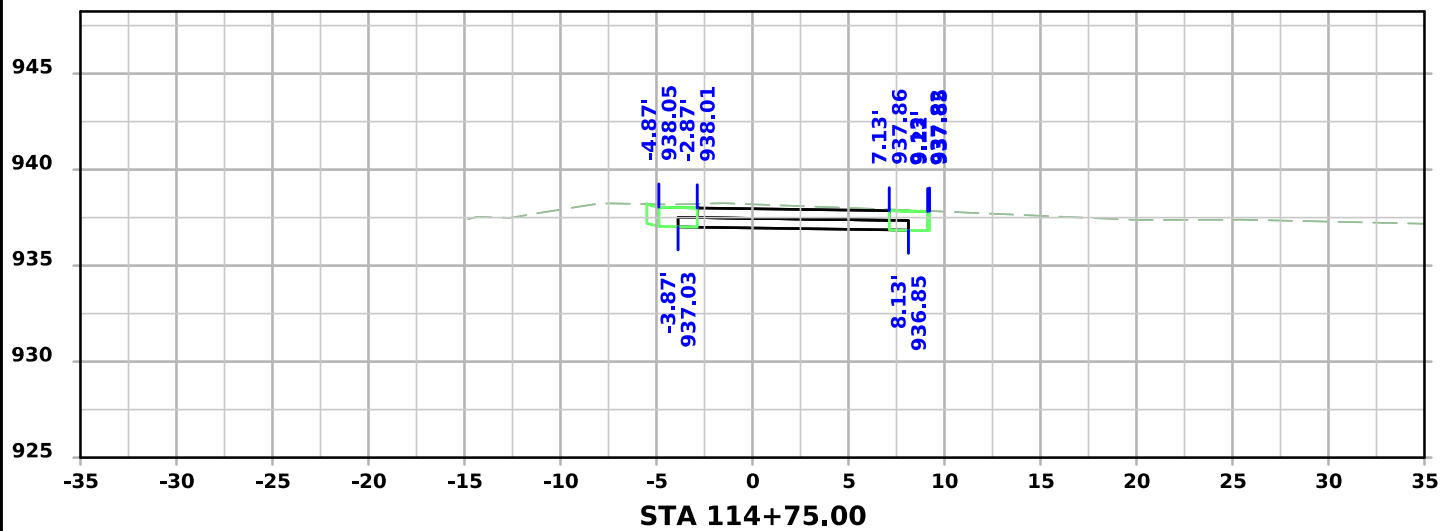
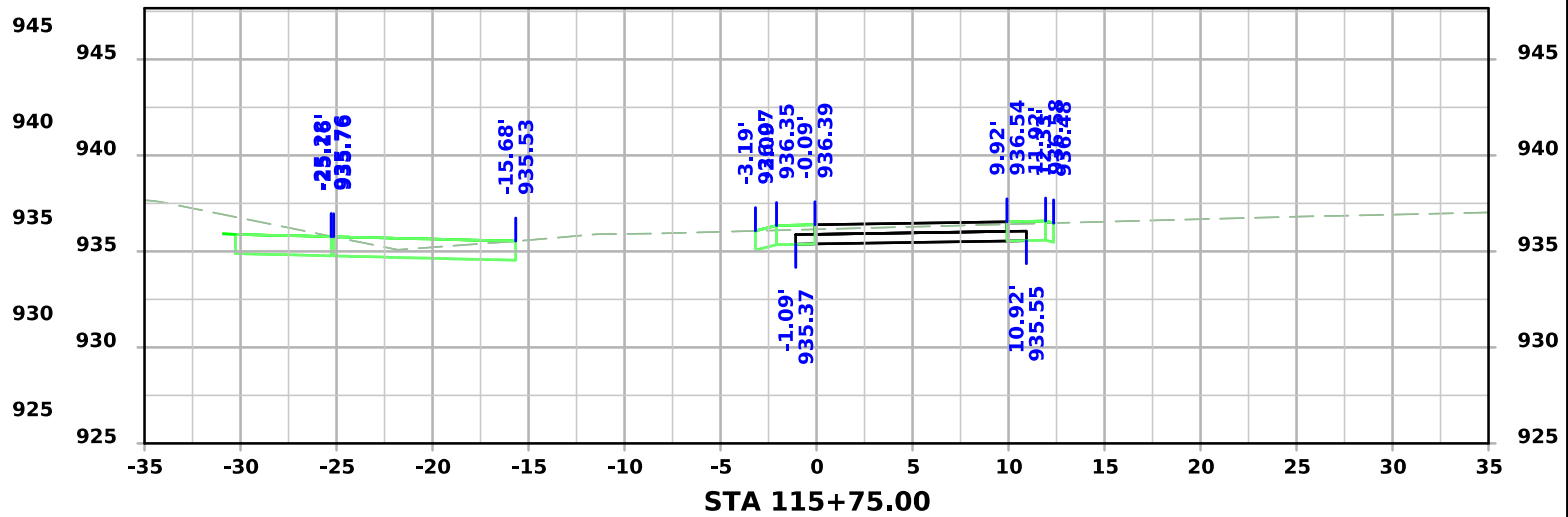
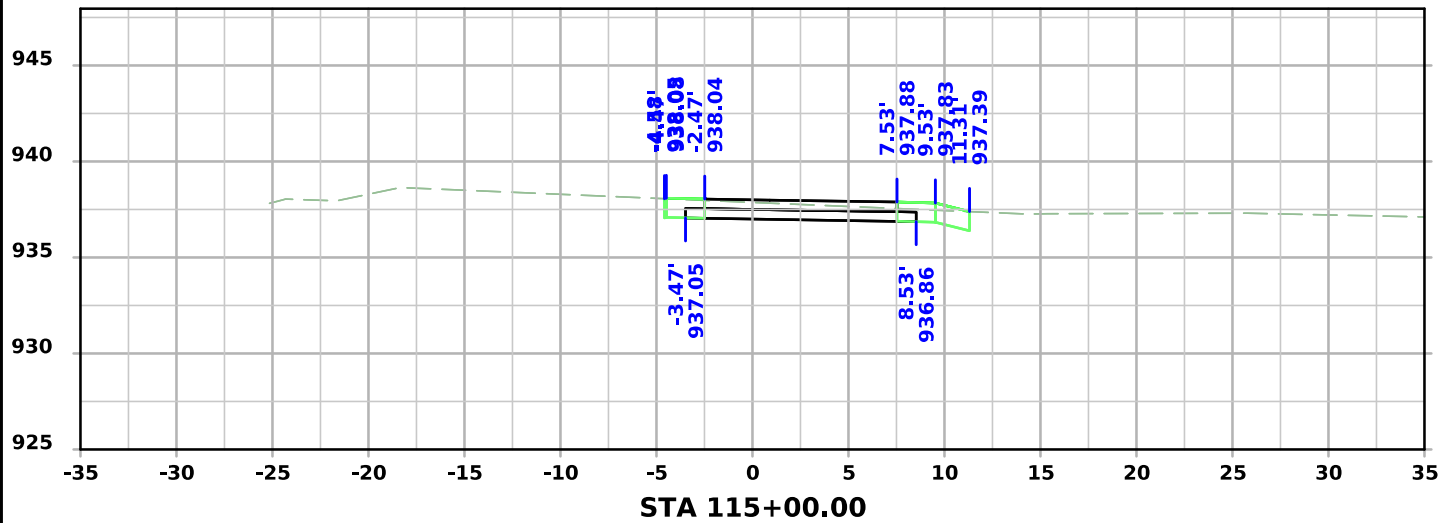
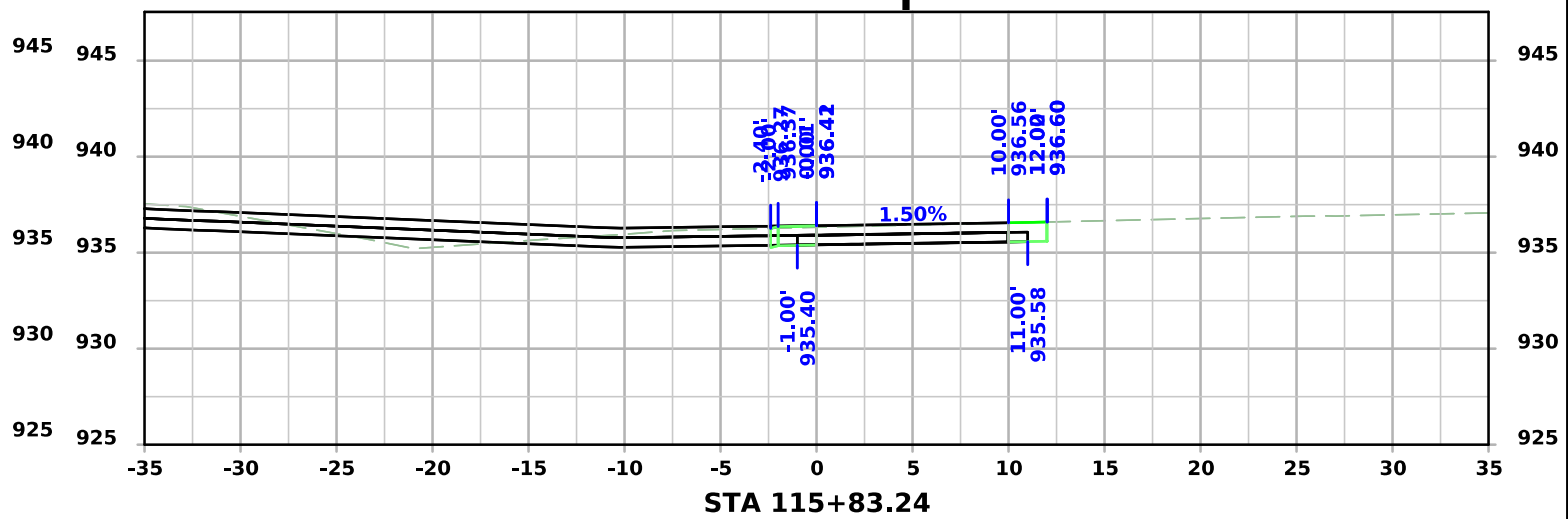
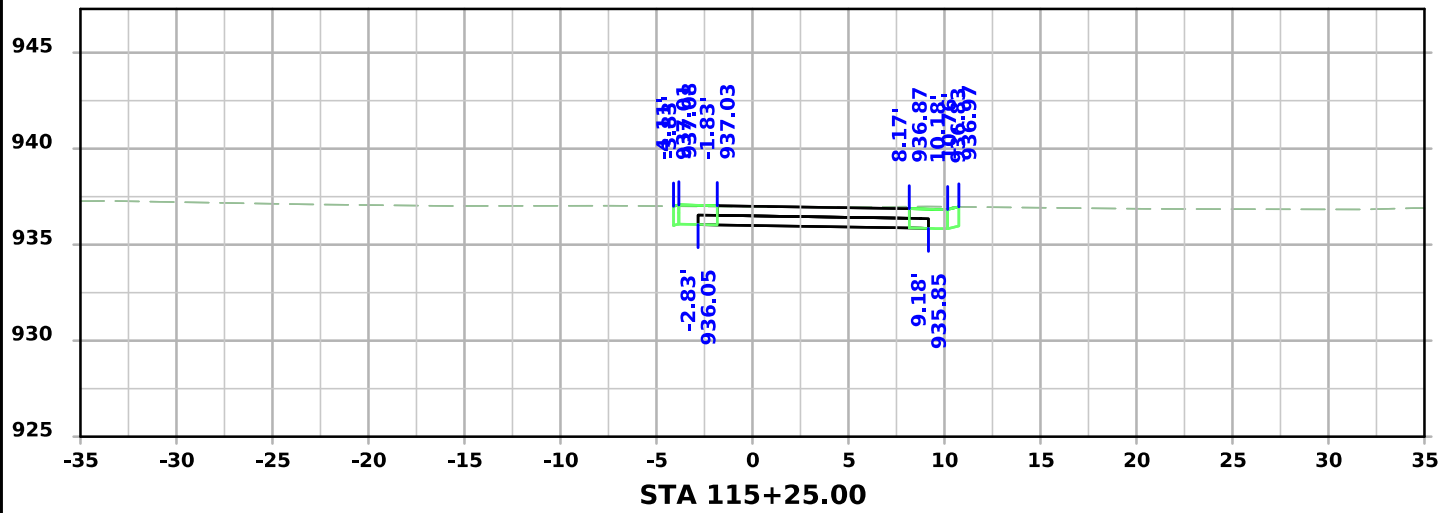
Loop - Brandt Park



Loop - Brandt Park



Loop - Brandt Park



Brandt Park Trail

