

FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING
DESIGN PACKAGE (OPENROADS DESIGNER 10.12).
OPENROADS Computer Identification No. 125404



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
PRINCE WILLIAM COUNTY
LIONS FIELD ROAD SIDEWALK

From: RTE. 1131 (Lions Field Road) & RTE. 619 (Fuller Heights Road) Intersection.
To: RTE. 1131 (Lions Field Road) & Triangle Elementary School Bus Loop Intersection.

STATE	FEDERAL AID	STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT	
VA.	N/A (SEE TABULATION BELOW FOR SECTION NUMBERS)	1131	EN24-076-380 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
Lions Field Road -ROLLING- (RTE. 1131) Urban Local (GS-8)	
	Fr: RTE. 1131 (Lions Field Rd) & RTE. 619 (Fuller Heights Rd) Int. To: RTE. 1131 & Triangle Elementary School Bus Loop Int.
ADT (2017)	2,800
ADT	N/A
DHV	N/A
D (%) (design hour)	N/A
T (%) (design hour)	N/A
V (MPH)	25 MPH

60% PLANS
DECEMBER 01, 2025

CONVENTIONAL SIGNS

STATE LINE	----
COUNTY LINE	----
CITY/TOWN OR VILLAGE	----
RIGHT OF WAY LINE	----
FENCE LINE	x-----x
UNFENCED PROPERTY LINE	-----
FENCED PROPERTY LINE	x-----x
WATER LINE	~~~~~
SANITARY SEWER LINE	- - - - -
GAS LINE	- - - - -
ELECTRIC UNDERGROUND CABLE	----
TRAVELED WAY	----
GUARD RAIL	----
RETAINING WALL	----
RAILROADS	----
BASE OR SURVEY LINE	----

LEVEE OR EMBANKMENT	----
BRIDGES	----
CULVERTS	----
DROP INLET	----
POWER POLES	----
TELEPHONE OR TELEGRAPH POLES	----
TELEPHONE OR TELEGRAPH LINES	----
HEDGE	----
TREES	----
HEAVY WOODS	----
GROUND ELEVATION	----
GRADE ELEVATION	----

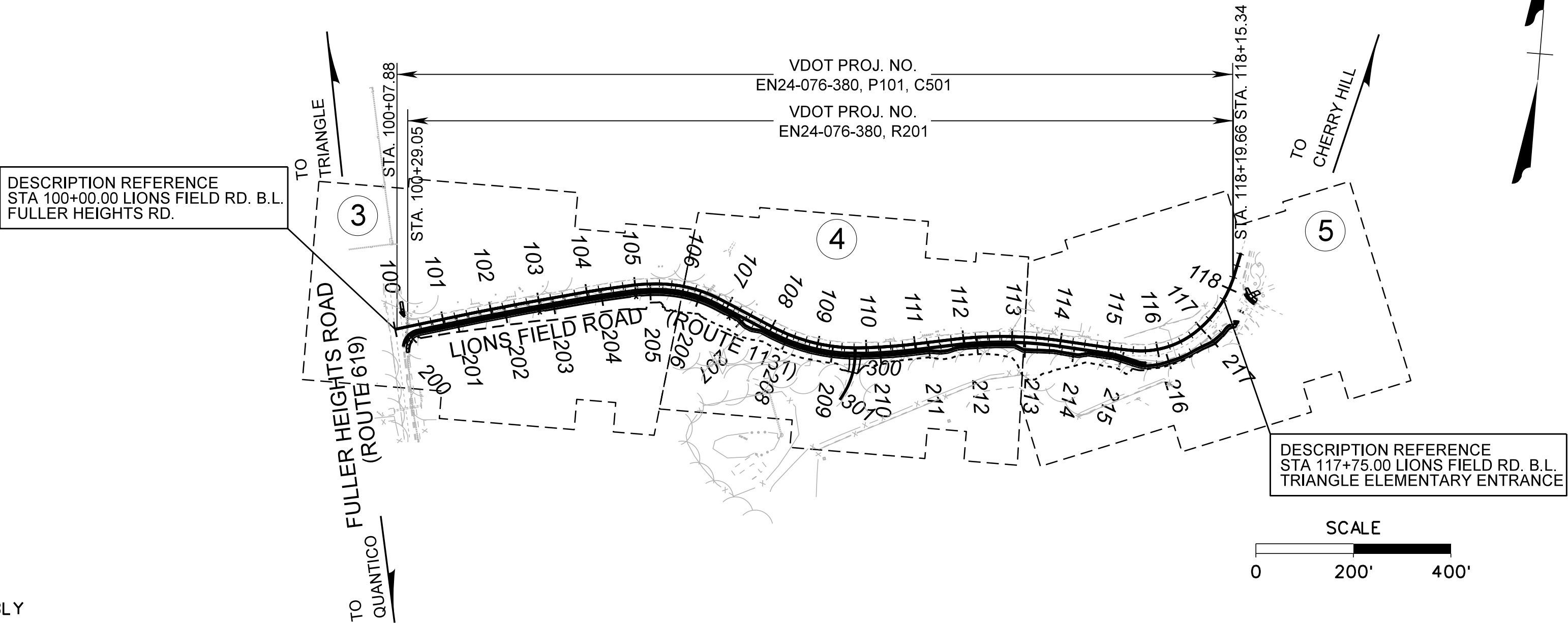
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2023 MUTCD, 2026 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

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Prince William County Population 497,003 (2024 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
					FEET	FEET	MILES	FEET	MILES			
EN24-076-380	P101	TAP-5B01(542)	PENG	125404		1,808	0.342	1,808	0.342		PREL. ENGR.	FR: RTE. 1131 & RTE. 619 Intersection TO: RTE. 1131 & School Intersection
	R201		ROWA	125404		1,791	0.339	1,791	0.339		RIGHT-OF-WAY	FR: RTE. 1131 & RTE. 619 Intersection TO: RTE. 1131 & School Intersection
	C501		1000	125404		1,808	0.342	1,808	0.342		CONSTRUCTION	FR: RTE. 1131 & RTE. 619 Intersection TO: RTE. 1131 & School Intersection

Project Lengths are based on RTE. 1131 Construction Baseline.

TIER 1 PROJECT

LOCALLY ADMINISTERED PROJECTS	
PRINCE WILLIAM COUNTY	
NAME OF LOCALITY	
(SIGNATURE)	
MARY ANKERS, PE	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	ASSISTANT DIRECTOR, CAPITAL PROJECTS IN TRANSPORTATION
TITLE OF POSITION	
(SIGNATURE)	
MARY ANKERS, PE	
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	ASSISTANT DIRECTOR, CAPITAL PROJECTS IN TRANSPORTATION
TITLE OF POSITION	

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DISTRICT PLANNING AND INVESTMENT MANAGER	
DISTRICT PROJECT DEVELOPMENT ENGINEER	
APPROVED FOR RIGHT OF WAY ACQUISITION	
DISTRICT ENGINEER/ADMINISTRATOR	

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DISTRICT PLANNING AND INVESTMENT MANAGER	
DISTRICT PROJECT DEVELOPMENT ENGINEER	
APPROVED FOR CONSTRUCTION	
DISTRICT ENGINEER/ADMINISTRATOR	

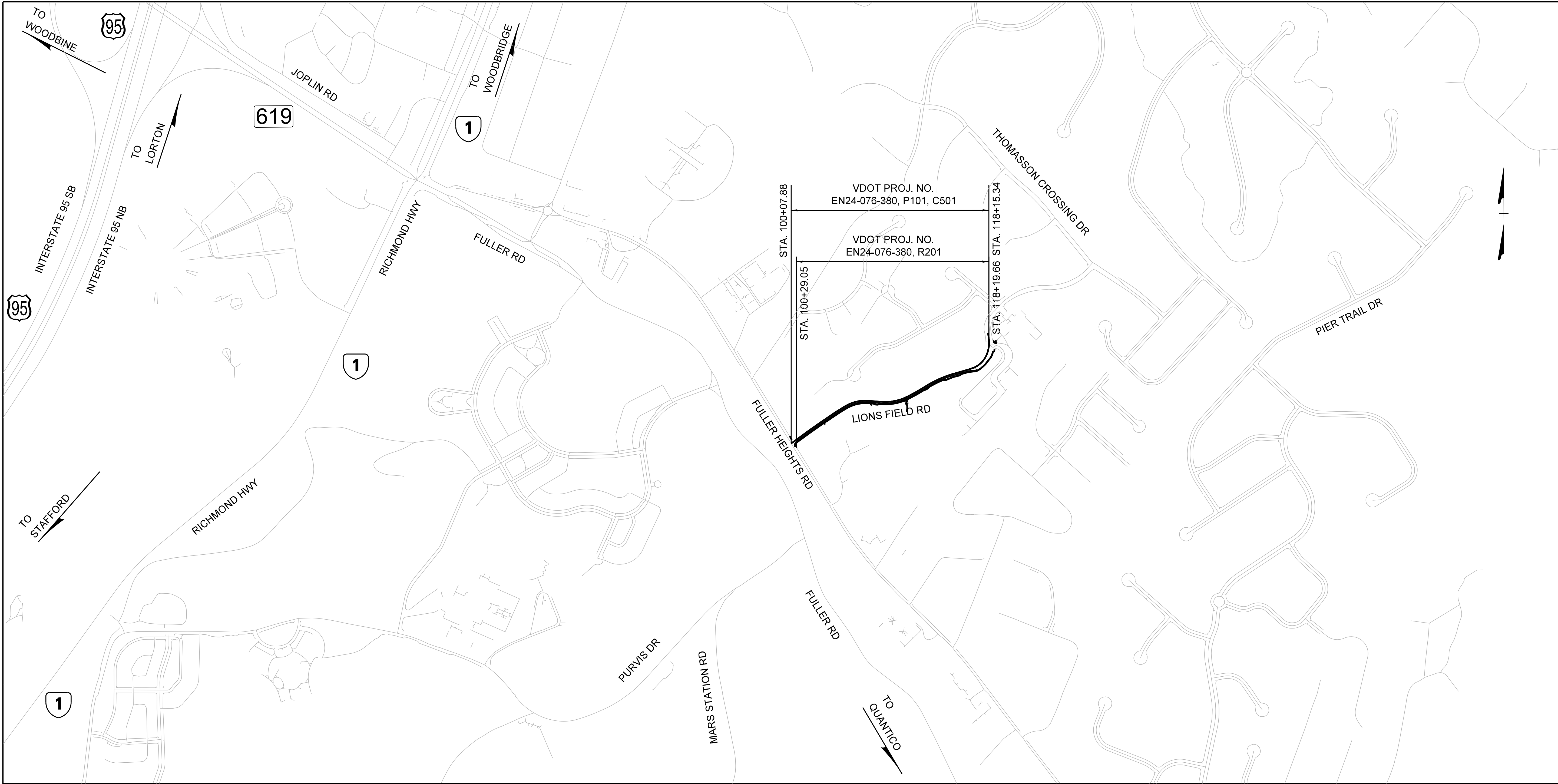
Copyright 2025, Commonwealth of Virginia

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, L.S., ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

LOCATION MAP

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1A

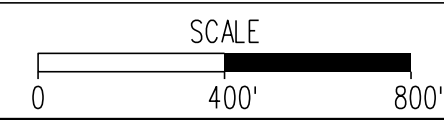
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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NECESSARY BY THE DEPARTMENT



COUNTY OF PRINCE WILLIAM
POPULATION 497,003
2024 CENSUS

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



PROJECT
EN24-076-380

SHEET NO.
1A

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

INDEX OF SHEETS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	1B

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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SHEET NO.	DESCRIPTION	STATIONS
1	TITLE SHEET	
1A	LOCATION MAP	
1B	INDEX OF SHEETS	
1C	RIGHT OF WAY DATA	
1F	SURVEY ALIGNMENT DATA	
1G(1) - 1G(4)	CONSTRUCTION ALIGNMENT DATA	
1H	EXISTING UTILITIES AND SURVEY INFORMATION	
1J	TRANSPORTATION MANAGEMENT PLAN	
1L	SOILS MAP	
2	GENERAL NOTES	
2A(1) - 2A(2)	TYPICAL SECTIONS	
2B	EXISTING & PROPOSED DRAINAGE DESCRIPTIONS	
2C	PROPOSED DRAINAGE PROFILES	
2D(1)-2D(4)	STORMWATER POLLUTION PREVENTION PLAN GENERAL INFO	
2F(1)-2F(2)	QUANTITY SUMMARY SHEETS	
2G	EROSION & SEDIMENT CONTROL NOTES	
2H(1)-2H(2)	EROSION & SEDIMENT CONTROL DETAILS	
2J	CURB RAMP DETAIL	
3, 3A(1) - 3A(2)	PLAN AND PROFILE	100+00.00 TO 106+00.00
3B(1) - 3B(2)	EROSION & SEDIMENT CONTROL PLANS	100+00.00 TO 106+00.00
4, 4A(1) - 4A(2)	PLAN AND PROFILE	106+00.00 TO 113+25.00
4B(1) - 4B(2)	EROSION & SEDIMENT CONTROL PLANS	106+00.00 TO 113+25.00
5, 5A(1) - 5A(2)	PLAN AND PROFILE	113+25.00 TO 118+25.00
5B(1) - 5B(2)	EROSION & SEDIMENT CONTROL PLANS	113+25.00 TO 118+25.00
7	ENTRANCE PROFILE	
8(3)-8(5)	SIGNING & PAVEMENT MARKINGS	
X1 - X13	CROSS SECTION SHEETS	

60% PLANS

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PROJECT
EN24-076-380

SHEET NO.
1B

RIGHT OF WAY DATA

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

UPC NO.: 125404

60% PLANS

SHEET NO.
1C

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tami Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

SURVEY ALIGNMENT DATA

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1F

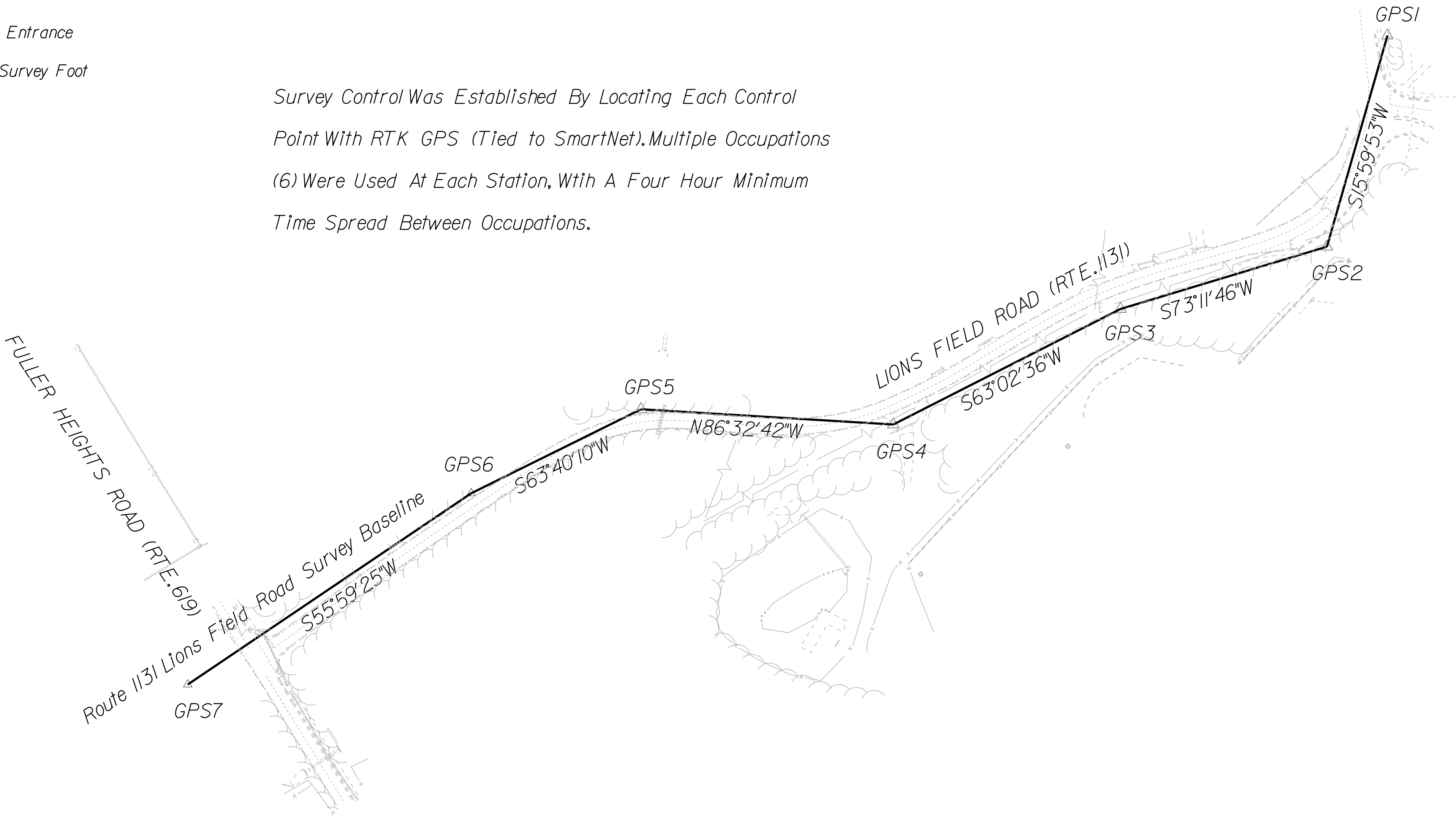
DESIGN FEATURES RELATING TO CONSTRUCTION
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SURVEY CONTROL POINTS

POINT	NORTH	EAST	ELEVATION
CS GPS-1	6,882,776.1520	11,820,113.6313	162.3116
CS GPS-2	6,882,486.6717	11,820,030.6320	146.3443
CS GPS-3	6,882,401.2357	11,819,747.5960	125.6655
CS GPS-4	6,882,242.7909	11,819,436.1001	105.4653
CS GPS-5	6,882,263.6350	11,819,090.2323	85.6065
CS GPS-6	6,882,148.4260	11,818,857.4457	85.9149
CS GPS-7	6,881,886.2860	11,818,468.8248	73.7380

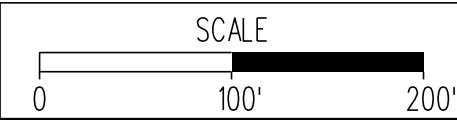
Route : Lions Field Road
Project : Pedestrian Improvement
District : NA
County : Prince William
From : Fuller Heights Road
To : Triangle Elementary School Southern Entrance
Horizontal Datum Based On VA North (1983),US Survey Foot
Vertical Datum Based On NAVD88
Survey By : CH/ GC. .
Operator : JM .
Date : 2-23-25
Scale : 1" = 25'
UPC* : NA

Survey Control Was Established By Locating Each Control
Point With RTK GPS (Tied to SmartNet). Multiple Occupations
(6) Were Used At Each Station, With A Four Hour Minimum
Time Spread Between Occupations.



60% PLANS

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PROJECT
EN24-076-380

SHEET NO.
1F

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

CONSTRUCTION ALIGNMENT DATA

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1G(1)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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NECESSARY BY THE DEPARTMENT

ATCS
HERNDON, VIRGINIA
ROADWAY ENGINEER

LIONS FIELD ROAD (RTE. 1131) CURVE DATA

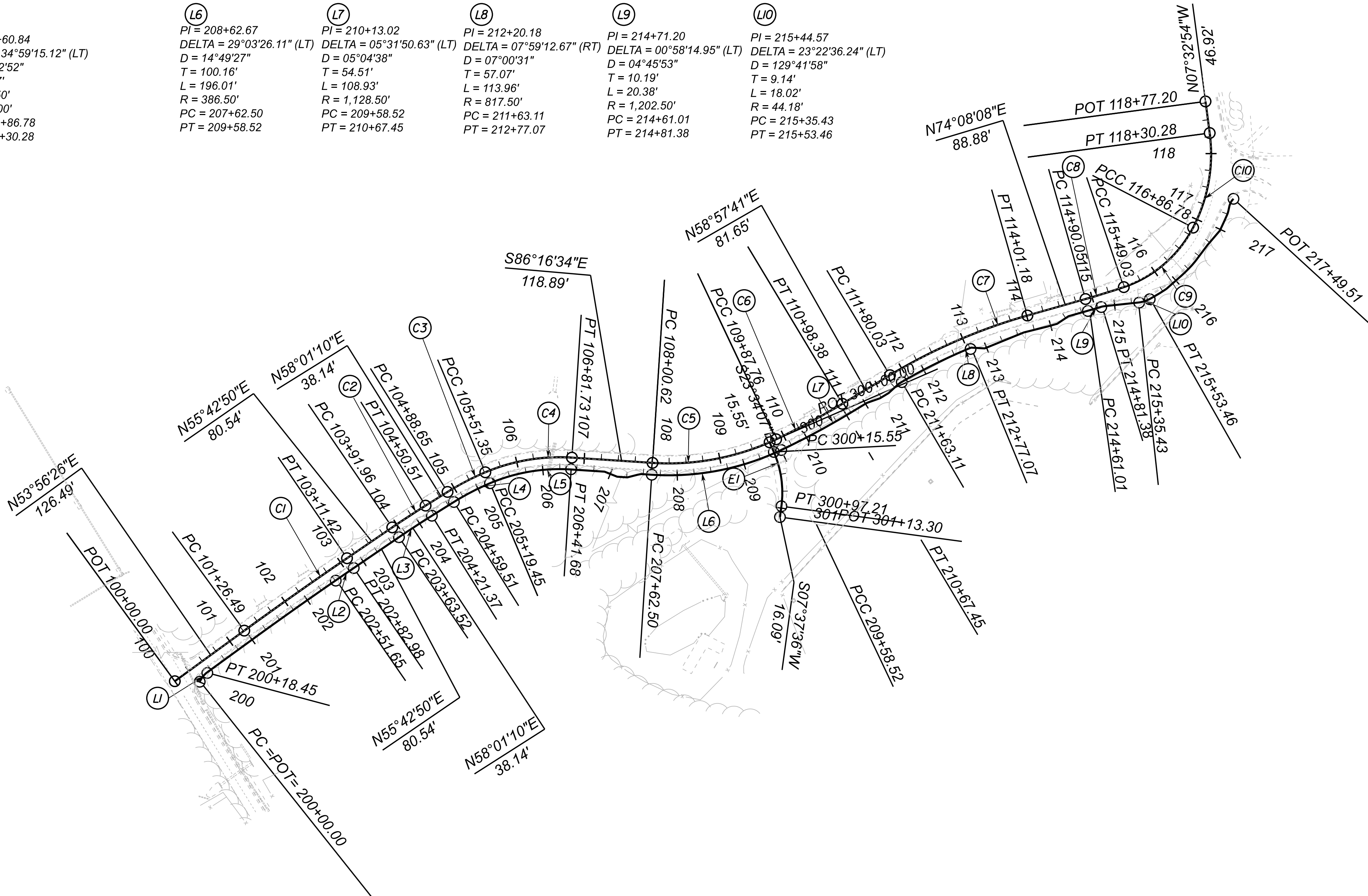
(C1) PI = 102+18.96 DELTA = 01°46'24.07" (RT) D = 00°57'32" T = 92.47' L = 184.93' R = 5,975.00' PC = 101+26.49 PT = 103+11.42	(C2) PI = 104+21.24 DELTA = 02°18'20.39" (RT) D = 03°56'16" T = 29.28' L = 58.55' R = 1,455.00' PC = 103+91.96 PT = 104+50.51	(C3) PI = 105+20.07 DELTA = 09°01'34.59" (RT) D = 14°23'45" T = 31.42' L = 62.70' R = 398.00' PC = 104+88.65 PT = 105+51.35	(C4) PI = 106+17.74 DELTA = 26°40'40.55" (RT) D = 20°27'46" T = 66.39' L = 130.37' R = 280.00' PC = 105+51.35 PT = 106+81.73	(C5) PI = 108+96.25 DELTA = 29°03'26.11" (LT) D = 15°31'38" T = 95.63' L = 187.14' R = 369.00' PC = 108+00.62 PT = 109+87.76
(C6) PI = 110+43.11 DELTA = 05°42'18.56" (LT) D = 05°09'26" T = 55.36' L = 110.63' R = 1,111.00' PC = 109+87.76 PT = 110+98.38	(C7) PI = 112+91.25 DELTA = 15°10'27.50" (RT) D = 06°51'42" T = 111.22' L = 221.14' R = 835.00' PC = 111+80.03 PT = 114+01.18	(C8) PI = 115+19.55 DELTA = 02°51'06.56" (LT) D = 04°50'06" T = 29.50' L = 58.98' R = 1,185.00' PC = 114+90.05 PT = 115+49.03	(C9) PI = 116+21.48 DELTA = 43°50'40.92" (LT) D = 31°49'52" T = 72.44' L = 137.74' R = 180.00' PC = 115+49.03 PT = 116+86.78	(C10) PI = 117+60.84 DELTA = 34°59'15.12" (LT) D = 24°22'52" T = 74.07' L = 143.50' R = 235.00' PC = 116+86.78 PT = 118+30.28

FRONT OF SIDEWALK CURVE DATA

(L1) PI = 200+09.48 DELTA = 32°43'52.62" (RT) D = 177°24'59" T = 9.48' L = 18.45' R = 32.29' PC = 200+00.00 PT = 200+18.45	(L2) PI = 202+67.31 DELTA = 00°18'04.69" (RT) D = 00°57'42" T = 15.66' L = 31.33' R = 5,957.50' PC = 202+51.65 PT = 202+82.98	(L3) PI = 203+92.45 DELTA = 02°18'20.39" (RT) D = 03°59'09" T = 28.93' L = 57.85' R = 1,437.50' PC = 203+63.52 PT = 204+21.37	(L4) PI = 204+89.54 DELTA = 09°01'34.59" (RT) D = 15°03'29" T = 30.03' L = 59.94' R = 380.50' PC = 204+59.51 PT = 205+19.45	(L5) PI = 205+81.69 DELTA = 26°40'40.55" (RT) D = 21°49'37" T = 62.24' L = 122.22' R = 262.50' PC = 205+19.45 PT = 206+41.68
(L6) PI = 208+62.67 DELTA = 29°03'26.11" (LT) D = 14°49'27" T = 100.16' L = 196.01' R = 386.50' PC = 207+62.50 PT = 209+58.52	(L7) PI = 210+13.02 DELTA = 05°31'50.63" (LT) D = 05°04'38" T = 54.51' L = 108.93' R = 1,128.50' PC = 209+58.52 PT = 210+67.45	(L8) PI = 212+20.18 DELTA = 07°59'12.67" (RT) D = 07°00'31" T = 57.07' L = 113.96' R = 817.50' PC = 211+63.11 PT = 212+77.07	(L9) PI = 214+71.20 DELTA = 00°58'14.95" (LT) D = 04°45'53" T = 10.19' L = 20.38' R = 1,202.50' PC = 214+61.01 PT = 214+81.38	(L10) PI = 215+44.57 DELTA = 23°22'36.24" (LT) D = 129°41'58" T = 9.14' L = 18.02' R = 44.18' PC = 215+35.43 PT = 215+53.46

ENTRANCE 1 CURVE DATA

(E1) PI = 300+57.42 DELTA = 31°11'42.31" (RT) D = 38°11'50" T = 41.87' L = 81.67' R = 150.00' PC = 300+15.55 PT = 300+97.21
--



60% PLANS

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FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



PROJECT
EN24-076-380

SHEET NO.
1G(1)

PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE Tami Lenox, LS, ATCS, 02/23/2025, (703)430-7500 _ _
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500 _ _ _ _ _
SUBSURFACE UTILITY BY, DATE Accumark, Inc, 03/04/2025, (804)550-7740

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1G(2)

Tangent Direction:		N64.667°E		
Element:	Circular			
	PC(	PCC)	109+87.756 R1	6882274.978
	HPI(	HPI)	110+43.115 R1	11819448.050
	CC(	CC)		6882298.665
	PT(	PT)	110+98.382 R1	11818972.136
		Radius:	1111.000	11819545.617
		Delta:	5.705°	Left
Degree of Curvature(Arc):			5.157°	
		Length:	110.626	
		Tangent:	55.359	
		Chord:	110.581	
		Middle Ordinate:	1.377	
		External:	1.378	
		Tangent Direction:	N64.667°E	
		Radial Direction:	S25.333°E	
		Chord Direction:	N61.844°E	
		Radial Direction:	S31.039°E	
		Tangent Direction:	N58.961°E	
Element:	Linear			
	PT(	PT)	110+98.382 R1	6882327.209
	PC(	PC)	111+80.033 R1	11819545.517
		Tangential Direction:	N58.961°E	11819615.477
		Tangential Length:	81.650	
Element:	Circular			
	PC(	PC)	111+80.033 R1	6882369.309
	HPI(	HPI)	112+91.255 R1	11819615.477
	CC(	CC)		11819710.774
	PT(	PT)	114+01.175 R1	11820046.017
		Radius:	835.000	11819817.760
		Delta:	15.174°	Right
Degree of Curvature(Arc):			6.862°	
		Length:	221.143	
		Tangent:	111.222	
		Chord:	220.497	
		Middle Ordinate:	7.310	
		External:	7.375	
		Tangent Direction:	N58.961°E	11819931.627
		Radial Direction:	S31.039°E	
		Chord Direction:	N66.549°E	
		Radial Direction:	S15.864°E	
		Tangent Direction:	N74.136°E	
Element:	Linear			
	PT(	PT)	114+01.175 R1	6882457.061
	PC(	PC)	114+90.053 R1	11819817.760
		Tangential Direction:	N74.136°E	11819903.253
		Tangential Length:	88.878	
Element:	Circular			
	PC(	PC)	114+90.053 R1	6882481.357
	HPI(	HPI)	115+19.550 R1	11819903.253
	CC(	CC)		11819931.627
	PCC(	PCC)	115+49.035 R1	6883621.222
		Radius:	1185.000	11819579.321
		Delta:	2.852°	Left
Degree of Curvature(Arc):			4.835°	
		Length:	58.982	
		Tangent:	29.497	
		Chord:	58.976	
		Middle Ordinate:	0.367	
		External:	0.367	
		Tangent Direction:	N74.136°E	11819901.805
		Radial Direction:	S15.864°E	
		Chord Direction:	N72.710°E	
		Radial Direction:	S87.716°E	
		Tangent Direction:	N71.284°E	
Element:	Circular			
	PCC(	PCC)	115+49.035 R1	6882498.885
	HPI(	HPI)	116+21.476 R1	11819959.564
	CC(	CC)		11820028.174
	PCC(	PCC)	116+86.777 R1	6882522.130
		Radius:	180.000	11819901.805
		Delta:	43.845°	Left
Degree of Curvature(Arc):			31.831°	
		Length:	137.742	
		Tangent:	72.441	
		Chord:	134.406	
		Middle Ordinate:	13.016	
		External:	14.030	
		Tangent Direction:	N71.284°E	11820061.555
		Radial Direction:	S18.716°E	
		Chord Direction:	N49.361°E	
		Radial Direction:	S62.561°E	
		Tangent Direction:	N27.439°E	
Element:	Circular			
	PCC(	PCC)	116+86.777 R1	6882586.421
	HPI(	HPI)	117+60.844 R1	11820061.555
	CC(	CC)		11820095.686
	PT(	PT)	118+30.279 R1	6882652.156
		Radius:	235.000	11820085.956
		Delta:	34.988°	Left
Degree of Curvature(Arc):			24.381°	
		Length:	143.502	
		Tangent:	74.067	
		Chord:	141.283	
		Middle Ordinate:	10.869	
		External:	11.396	
		Tangent Direction:	N27.439°E	11820095.686
		Radial Direction:	S62.561°E	
		Chord Direction:	N9.945°E	
		Radial Direction:	N82.452°E	
		Tangent Direction:	N7.548°W	
Element:	Linear			

```
* BENTLEY HORIZONTAL ALIGNMENT REVIEW
*
* Alignment name: ENTRANCE1_B1_FIXED
* Alignment description:
* Alignment style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines
```

		STATION	NORTHING	EASTING
Element:	Linear			
	START(START)	300+00.000 R/L	6882270.582	11819438.409
	PC(PC)	300+15.546 R/L	6882256.333	11819444.625
	Tangential Direction:	S23.569°E		
	Tangential Length:	15.546		
Element:	Circular			
	PC(PC)	300+15.546 R/L	6882256.333	11819444.625
	HPI(HPI)	300+57.420 R/L	6882217.952	11819461.368
	CC(CC)		6882196.356	11819307.137
	PT(PT)	300+97.215 R/L	6882176.448	11819455.810
	Radius:	150.000		
	Delta:	31.195° Right		
	Degree of Curvature(Arc):	38.197°		
	Length:	81.669		
	Tangent:	41.874		
	Chord:	80.664		
	Middle Ordinate:	5.524		
	External:	5.735		
	Tangent Direction:	S23.569°E		
	Radial Direction:	S66.431°W		
	Chord Direction:	S7.971°E		
	Radial Direction:	N82.373°W		
	Tangent Direction:	S7.627°W		
Element:	Linear			
	PT(PT)	300+97.215 R/L	6882176.448	11819455.810
	END(END)	301+13.304 R/L	6882160.501	11819453.675
	Tangential Direction:	S7.627°W		
	Tangential Length:	16.090		

PROJECT MANAGER Ramli Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500 ---
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500 ---
SUBSURFACE UTILITY BY, DATE Accurmark, Inc. 03/04/2025, (804)550-7740

FRONT OF SIDEWALK HORIZONTAL GEOMETRY REPORT (PART 1)

* BENTLEY HORIZONTAL ALIGNMENT REVIEW
* Alignment name: LionsField_POS_Engineered
* Alignment description:
* Alignment style: Linear\Road Design\Sidewalk\Cement Concrete Sidewalk 4in

		STATION	NORTHING	EASTING
Element: Circular				
PC(	PC)	200+00.000 R1	6881884.441	11818603.904
HPI(	HPI)	200+04.455 R1	6881888.376	11818601.815
CC(	CC)		6881910.661	11818653.274
PCC(	PCC)	200+08.891 R1	6881892.592	11818600.375
Radius:		55.901		
Delta:		9.113° Right		
Degree of Curvature(Arc):		102.495°		
Length:		8.991		
Tangent:		4.455		
Chord:		8.882		
Middle Ordinate:		0.177		
External:		0.177		
Tangent Direction:		N27.972°W		
Radial Direction:		N62.028°E		
Chord Direction:		N23.416°W		
Radial Direction:		N71.141°E		
Tangent Direction:		N18.859°W		
Element: Circular				
PCC(	PCC)	200+08.891 R1	6881892.592	11818600.375
HPI(	HPI)	200+12.908 R1	6881896.393	11818599.076
CC(	CC)		6881910.661	11818653.274
PCC(	PCC)	200+16.912 R1	6881900.341	11818598.334
Radius:		55.901		
Delta:		8.220° Right		
Degree of Curvature(Arc):		102.495°		
Length:		8.020		
Tangent:		4.017		
Chord:		8.013		
Middle Ordinate:		0.144		
External:		0.144		
Tangent Direction:		N18.859°W		
Radial Direction:		N71.141°E		
Chord Direction:		N14.749°W		
Radial Direction:		N79.361°E		
Tangent Direction:		N10.639°W		
Element: Circular				
PCC(	PCC)	200+16.912 R1	6881900.341	11818598.334
HPI(	HPI)	200+21.739 R1	6881905.072	11818597.377
CC(	CC)		6881906.190	11818627.246
PCC(	PCC)	200+26.481 R1	6881909.862	11818597.978
Radius:		29.498		
Delta:		18.587° Right		
Degree of Curvature(Arc):		194.239°		
Length:		9.569		
Tangent:		4.827		
Chord:		9.527		
Middle Ordinate:		0.387		
External:		0.392		
Tangent Direction:		N11.436°W		
Radial Direction:		N78.564°E		
Chord Direction:		N2.142°W		
Radial Direction:		S82.849°E		
Tangent Direction:		N7.151°E		
Element: Circular				
PCC(	PCC)	200+26.481 R1	6881909.867	11818597.975
HPI(	HPI)	200+30.542 R1	6881913.899	11818598.461
CC(	CC)		6881906.001	11818630.037
PCC(	PCC)	200+34.560 R1	6881917.684	11818599.930
Radius:		32.295		
Delta:		14.334° Right		
Degree of Curvature(Arc):		177.416°		
Length:		8.079		
Tangent:		4.061		
Chord:		8.058		
Middle Ordinate:		0.252		
External:		0.254		
Tangent Direction:		N6.875°E		
Radial Direction:		S83.125°E		
Chord Direction:		N14.042°E		
Radial Direction:		S68.791°E		
Tangent Direction:		N21.209°E		
Element: Circular				
PCC(	PCC)	200+34.560 R1	6881917.684	11818599.930
HPI(	HPI)	200+44.044 R1	6881926.526	11818603.361
CC(	CC)		6881906.001	11818630.037
PT(	PT)	200+53.009 R1	6881932.108	11818611.028
Radius:		32.295		
Delta:		32.731° Right		
Degree of Curvature(Arc):		177.416°		
Length:		18.449		
Tangent:		9.484		
Chord:		18.199		
Middle Ordinate:		1.308		
External:		1.364		
Tangent Direction:		N21.209°E		
Radial Direction:		S68.791°E		
Chord Direction:		N37.575°E		
Radial Direction:		S36.059°E		
Tangent Direction:		N53.941°E		
Element: Linear				
PT(	PT)	200+53.009 R1	6881932.106	11818611.025
HPI(	HPI)	201+33.149 R1	6881979.278	11818675.810
Tangent Direction:		N53.941°E		
Tangential Length:		80.140		
Element: Linear				
HPI(	HPI)	201+33.149 R1	6881979.278	11818675.810
HPI(	HPI)	201+36.648 R1	6881981.337	11818678.640
Tangent Direction:		N53.957°E		
Tangential Length:		3.499		
Element: Linear				
HPI(	HPI)	201+36.648 R1	6881981.337	11818678.640
HPI(	HPI)	201+41.634 R1	6881984.268	11818682.673
Tangent Direction:		N53.998°E		
Tangential Length:		4.986		
Element: Linear				
HPI(	HPI)	201+41.634 R1	6881984.268	11818682.673
HPI(	HPI)	201+46.619 R1	6881987.195	11818686.709
Tangent Direction:		N54.046°E		

Tangential Length: 4.985
Element: Linear
HPI(HPI) 201+46.619 R1 6881987.195 11818686.709
HPI(HPI) 201+51.604 R1 6881990.119 11818690.747
Tangent Direction: N54.094°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 201+51.604 R1 6881990.119 11818690.747
HPI(HPI) 201+59.564 R1 6881994.779 11818697.199
Tangent Direction: N54.156°E
Tangential Length: 7.959

Element: Linear
HPI(HPI) 201+59.564 R1 6881994.779 11818697.199
HPI(HPI) 201+66.560 R1 6881998.869 11818702.876
Tangent Direction: N54.228°E
Tangential Length: 6.997

Element: Linear
HPI(HPI) 201+66.560 R1 6881998.869 11818702.876
HPI(HPI) 201+71.545 R1 6882001.779 11818706.923
Tangent Direction: N54.286°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 201+71.545 R1 6882001.779 11818706.923
HPI(HPI) 201+79.245 R1 6882006.268 11818713.180
Tangent Direction: N54.347°E
Tangential Length: 7.700

Element: Linear
HPI(HPI) 201+79.245 R1 6882006.268 11818713.180
HPI(HPI) 201+86.502 R1 6882010.490 11818719.081
Tangent Direction: N54.419°E
Tangential Length: 7.256

Element: Linear
HPI(HPI) 201+86.502 R1 6882010.490 11818719.081
HPI(HPI) 201+91.487 R1 6882013.386 11818723.139
Tangent Direction: N54.478°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 201+91.487 R1 6882013.386 11818723.139
HPI(HPI) 201+96.472 R1 6882016.279 11818727.199
Tangent Direction: N54.526°E
Tangential Length: 4.985

Element: Circular
PC(PC) 201+96.472 R1 6882016.279 11818727.199
HPI(HPI) 202+11.429 R1 6882024.954 11818739.382
CC(CC) 202+26.385 R1 6882033.567 11818751.609
PT(PT) 202+26.385 R1 6882033.567 11818751.609
Radius: 5957.500
Delta: 0.288° Right
Degree of Curvature(Arc): 0.962°
Length: 29.912
Tangent: 14.956
Chord: 29.912
Middle Ordinate: 0.019
External: 0.019
Tangent Direction: N54.550°E
Radial Direction: S35.450°E
Chord Direction: N54.693°E
Radial Direction: S35.163°E
Tangent Direction: N54.837°E

Element: Linear
PT(PT) 202+26.385 R1 6882033.567 11818751.609
HPI(HPI) 202+31.370 R1 6882036.437 11818755.686
Tangent Direction: N54.861°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+31.370 R1 6882036.437 11818755.686
HPI(HPI) 202+36.355 R1 6882039.303 11818759.765
Tangent Direction: N54.909°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+36.355 R1 6882039.303 11818759.765
HPI(HPI) 202+41.341 R1 6882042.165 11818763.847
Tangent Direction: N54.957°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+41.341 R1 6882042.165 11818763.847
HPI(HPI) 202+46.326 R1 6882045.024 11818767.931
Tangent Direction: N55.005°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+46.326 R1 6882045.024 11818767.931
HPI(HPI) 202+51.311 R1 6882047.880 11818772.017
Tangent Direction: N55.053°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+51.311 R1 6882047.880 11818772.017
HPI(HPI) 202+56.297 R1 6882050.732 11818776.106
Tangent Direction: N55.101°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+56.297 R1 6882050.732 11818776.106
HPI(HPI) 202+61.282 R1 6882053.581 11818780.197
Tangent Direction: N55.149°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+61.282 R1 6882053.581 11818780.197
HPI(HPI) 202+66.267 R1 6882056.426 11818784.291
Tangent Direction: N55.187°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+66.267 R1 6882056.426 11818784.291
HPI(HPI) 202+71.440 R1 6882059.375 11818788.541
Tangent Direction: N55.246°E
Tangential Length: 5.173

Element: Linear

HPI(HPI) 202+71.440 R1 6882059.375 11818788.541
HPI(HPI) 202+76.238 R1 6882062.107 11818792.485
Tangent Direction: N55.294°E
Tangential Length: 4.798

Element: Linear
HPI(HPI) 202+76.238 R1 6882062.107 11818792.485
HPI(HPI) 202+81.224 R1 6882064.942 11818796.586
Tangent Direction: N55.341°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+81.224 R1 6882064.942 11818796.586
HPI(HPI) 202+86.209 R1 6882067.774 11818800.689
Tangent Direction: N55.389°E
Tangential Length: 4.986

Element: Linear
HPI(HPI) 202+86.209 R1 6882067.774 11818800.689
HPI(HPI) 202+91.195 R1 6882070.602 11818804.795
Tangent Direction: N55.437°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+91.195 R1 6882070.602 11818804.795
HPI(HPI) 202+96.180 R1 6882073.427 11818808.902
Tangent Direction: N55.485°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 202+96.180 R1 6882073.427 11818808.902
HPI(HPI) 203+01.165 R1 6882076.249 11818813.013
Tangent Direction: N55.532°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 203+01.165 R1 6882076.249 11818813.013
HPI(HPI) 203+06.151 R1 6882079.067 11818817.125
Tangent Direction: N55.580°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 203+06.151 R1 6882079.067 11818817.125
HPI(HPI) 203+11.136 R1 6882081.881 11818821.240
Tangent Direction: N55.628°E
Tangential Length: 4.985

Element: Linear
HPI(HPI) 203+11.136 R1 6882081.881 11818821.240
HPI(HPI) 203+17.538 R1 6882085.491 11818826.528
Tangent Direction: N55.683°E
Tangential Length: 6.402

Element: Linear
HPI(HPI) 203+17.538 R1 6882085.491 11818826.528
HPI(HPI) 203+98.081 R1 6882130.862 11818893.075
Tangent Direction: N55.714°E
Tangential Length: 80.543

Element: Linear
HPI(HPI) 203+98.081 R1 6882130.862 11818893.075
PC(PC) 204+01.081 R1 6882132.550 11818895.555
Tangent Direction: N55.774°E
Tangential Length: 3.000

Element: Circular
PC(PC) 204+01.081 R1 6882132.550 11818895.555
HPI(HPI) 204+28.508 R1 6882147.953 11818918.249
CC(CC) 204+55.328 R1 6882162.479 11818941.513
PT(PT) 204+55.328 R1 6882162.479 11818941.513
Radius: 1437.500
Delta: 2.186° Right
Degree of Curvature(Arc): 3.986°
Length: 54.847
Tangent: 27.427
Chord: 54.844
Middle Ordinate: 0.262
External: 0.262

Element: Linear
PT(PT) 204+55.328 R1 6882162.479 11818941.513
PC(PC) 204+94.067 R1 6882182.678 11818973.864
Tangent Direction: N58.020°E
Tangential Length: 38.139
Element: Circular
PC(PC) 204+94.067 R1 6882182.678 11818973.864
HPI(HPI) 205+24.101 R1 6882198.585 11818999.339
CC(CC) 205+54.011 R1 6882210.298 11819026.995
PCC(PCC) 205+54.011 R1 6882210.298 11819026.995
Radius: 380.500
Delta: 9.026° Right
Degree of Curvature(Arc): 15.058°
Length: 59.943
Tangent: 30.034
Chord: 59.881
Middle Ordinate: 1.180
External: 1.183
Tangent Direction: N58.020°E
Radial Direction: S31.980°E
Chord Direction: N62.533°E
Radial Direction: S22.954°E
Tangent Direction: N67.046°E

Element: Linear
PT(PT) 204+55.328 R1 6882162.479 11818941.513
PC(PC) 204+94.067 R1 6882182.678 11818973.864
Tangent Direction: N58.020°E
Tangential Length: 38.139

Element: Circular
PC(PC) 204+94.067 R1 6882182.678 11818973.864
HPI(HPI) 205+24.101 R1 6882198.585 11818999.339
CC(CC) 205+54.011 R1 6882210.298 11819026.995
PCC(PCC) 205+54.011 R1 6882210.298 11819026.995
Radius: 380.500
Delta: 9.026° Right
Degree of Curvature(Arc): 15.058°
Length: 59.943
Tangent: 30.034
Chord: 59.881
Middle Ordinate: 1.180
External: 1.183
Tangent Direction: N58.020°E
Radial Direction: S31.980°E
Chord Direction: N62.533°E
Radial Direction: S22.954°E
Tangent Direction: N67.046°E

Element: Circular
PC(PC) 205+54.011 R1 6882210.298 11819026.995
HPI(HPI) 206+16.251 R1 6882234.572 11819084.307
CC(CC) 206+76.235 R1 6882230.530 11819146.417
PT(PT) 206+76.235 R1 6882230.530 11819146.417
Radius: 262.500
Delta: 26.678° Right
Degree of Curvature(Arc): 21.827°
Length: 122.225
Tangent: 62.241
Chord: 121.124
Middle Ordinate: 7.082
External: 7.278
Tangent Direction: N67.046°E
Radial Direction: S22.954°E

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1G(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

ATCS
HERNDON, VIRGINIA
ROADWAY ENGINEER

Chord Direction: N80.385°E
Radial Direction: S3.724°W
Tangent Direction: S86.276°E

Element: Linear
PT(PT) 206+76.235 R1 6882230.530 11819146.417
HPI(HPI) 207+25.329 R1 6882227.341 11819195.407
Tangent Direction: S86.276°E
Tangential Length: 49.094

Element: Linear
HPI(HPI) 207+25.329 R1 6882227.341 11819195.407
HPI(HPI) 207+29.382 R1 6882225.884 11819199.189
Tangent Direction: S86.923°E
Tangential Length: 4.053

Element: Linear
HPI(HPI) 207+29.

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Lenox, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500* ---
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740* ---

FRONT OF SIDEWALK HORIZONTAL GEOMETRY REPORT (PART 2)

Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538	Element: Linear	HPI (HPI)	213+90.024 R1	6882430.743	11819808.978	
	Radius:	396.500				HPI (HPI)	213+93.868 R1	6882432.184	11819812.542	
	Delta:	29.057° Left				Tangential Direction:	N67.978°E			
	Length:	196.011				Tangential Length:	3.845			
	Tangent:	100.162			Element: Linear	HPI (HPI)	213+93.868 R1	6882432.184	11819812.542	
	Chord:	193.918				HPI (HPI)	213+94.769 R1	6882432.409	11819813.414	
	Middle Ordinate:	12.359				Tangential Direction:	N75.575°E			
	External:	12.768				Tangential Length:	0.901			
	Tangent Direction:	S86.276°E			Element: Linear	HPI (HPI)	213+94.769 R1	6882432.409	11819813.414	
	Radial Direction:	S3.724°W				HPI (HPI)	214+29.581 R1	6882440.850	11819847.187	
Chord Direction:	N79.195°E				Tangential Direction:	N75.966°E				
Radial Direction:	S25.333°E				Tangential Length:	34.812				
Tangent Direction:	N64.667°E				Element: Linear	HPI (HPI)	214+29.581 R1	6882440.850	11819847.187	
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538		HPI (HPI)	214+44.360 R1	6882444.890	11819861.403	
	HPI (HPI)	210+47.595 R1	6882282.485	11819504.806		HPI (HPI)	N74.138°E			
	CC (CC)	211+02.020 R1	6883279.136	11818972.668		Tangential Length:	14.779			
	PT (PT)	211+02.020 R1	6882310.449	11819551.596	Element: Linear	HPI (HPI)	214+44.360 R1	6882444.890	11819861.403	
	Radius:	1128.500				HPI (HPI)	214+44.849 R1	6882445.120	11819861.835	
	Delta:	5.531° Left				Tangential Direction:	N61.921°E			
	Length:	5.077°				Tangential Length:	0.489			
	Tangent:	108.935			Element: Linear	HPI (HPI)	214+44.849 R1	6882445.120	11819861.835	
	Chord:	108.893				HPI (HPI)	214+60.610 R1	6882453.873	11819874.941	
	Middle Ordinate:	1.314				Tangential Direction:	N56.264°E			
External:	1.316				Tangential Length:	15.761				
Tangent Direction:	N64.667°E				Element: Linear	HPI (HPI)	214+60.610 R1	6882453.873	11819874.941	
Radial Direction:	S25.333°E					HPI (HPI)	214+64.669 R1	6882456.085	11819878.345	
Chord Direction:	N61.901°E					PC (PC)	214+95.537 R1	6882464.523	11819908.037	
Radial Direction:	S30.864°E					Tangential Direction:	N74.136°E			
Tangent Direction:	N59.136°E					Tangential Length:	30.867			
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538	Element: Circular	PC (PC)	214+95.537 R1	6882464.523	11819908.037	
	HPI (HPI)	210+47.595 R1	6882282.485	11819504.806		HPI (HPI)	215+05.750 R1	6882467.315	11819917.861	
	CC (CC)	211+02.020 R1	6883279.136	11818972.668		CC (CC)	215+15.963 R1	6883621.222	11819579.321	
	PT (PT)	211+02.020 R1	6882310.449	11819551.596		PT (PT)	215+15.963 R1	6882470.274	11819927.637	
	Radius:	1128.500				Radius:	1202.500			
	Delta:	5.531° Left				Delta:	0.973° Left			
	Length:	5.077°				Tangent:	10.213			
	Tangent:	108.935				Chord:	20.426			
	Chord:	108.893				Middle Ordinate:	0.043			
	Middle Ordinate:	1.314				External:	0.043			
External:	1.316				Tangent Direction:	N74.136°E				
Tangent Direction:	N64.667°E				Radial Direction:	S15.864°E				
Radial Direction:	S25.333°E				Chord Direction:	N73.649°E				
Chord Direction:	N61.901°E				Radial Direction:	S16.838°E				
Radial Direction:	S30.864°E				Tangent Direction:	N73.162°E				
Tangent Direction:	N59.136°E				Element: Linear	PT (PT)	215+15.963 R1	6882470.274	11819927.637	
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538		HPI (HPI)	215+18.116 R1	6882470.678	11819929.752	
	HPI (HPI)	210+47.595 R1	6882282.485	11819504.806		Tangential Direction:	N79.186°E			
	CC (CC)	211+02.020 R1	6883279.136	11818972.668		Tangential Length:	2.153			
	PT (PT)	211+02.020 R1	6882310.449	11819551.596	Element: Linear	HPI (HPI)	215+18.116 R1	6882470.678	11819929.752	
	Radius:	1128.500				PC (PC)	215+69.965 R1	6882476.251	11819981.300	
	Delta:	5.531° Left				Tangential Direction:	N83.830°E			
	Length:	5.077°				Tangential Length:	51.849			
	Tangent:	108.935			Element: Circular	PC (PC)	215+69.965 R1	6882476.251	11819981.300	
	Chord:	108.893				HPI (HPI)	215+79.098 R1	6882477.232	11819990.381	
	Middle Ordinate:	0.043				CC (CC)	215+87.978 R1	6882520.170	11819976.552	
External:	0.043				PT (PT)	215+87.978 R1	6882481.734	11819998.327		
Tangent Direction:	N74.136°E				Radius:	44.176				
Radial Direction:	S15.864°E				Delta:	23.362° Left				
Chord Direction:	N73.649°E				Degree of Curvature(Arc):	129.699°				
Radial Direction:	S16.838°E				Length:	18.012				
Tangent Direction:	N73.162°E				Tangent:	9.133				
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538		HPI (HPI)	215+95.439 R1	6882566.149	11820087.330	
	HPI (HPI)	210+47.595 R1	6882282.485	11819504.806		HPI (HPI)	N40.637°E			
	CC (CC)	211+02.020 R1	6883279.136	11818972.668		Tangential Length:	7.049			
	PT (PT)	211+02.020 R1	6882310.449	11819551.596	Element: Linear	HPI (HPI)	215+88.389 R1	6882560.800	11820082.739	
	Radius:	817.500				HPI (HPI)	215+88.389 R1	6882560.800	11820082.739	
	Delta:	7.987° Right				Tangential Direction:	N36.479°E			
	Length:	7.009°				Tangential Length:	0.411			
	Tangent:	113.957			Element: Linear	PT (PT)	215+87.978 R1	6882560.469	11820082.494	
	Chord:	113.865				HPI (HPI)	215+88.389 R1	6882560.800	11820082.739	
	Middle Ordinate:	1.995				Tangential Direction:	N36.479°E			
External:	1.990				Tangential Length:	0.411				
Tangent Direction:	N59.645°E				Element: Linear	HPI (HPI)	215+88.389 R1	6882560.800	11820082.739	
Radial Direction:	S30.355°E					HPI (HPI)	215+95.439 R1	6882566.149	11820093.300	
Chord Direction:	N63.639°E					Tangential Direction:	N40.637°E			
Radial Direction:	S22.368°E					Tangential Length:	7.049			
Tangent Direction:	N67.632°E				Element: Linear	HPI (HPI)	215+95.439 R1	6882566.149	11820087.330	
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538		HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
	HPI (HPI)	210+47.595 R1	6882282.485	11819504.806		HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
	CC (CC)	211+02.020 R1	6883279.136	11818972.668		Tangential Direction:	N40.628°E			
	PT (PT)	211+02.020 R1	6882310.449	11819551.596		Tangential Length:	2.307			
	Radius:	817.500			Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
	Delta:	7.987° Right				HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
	Length:	7.009°				Tangential Direction:	N40.628°E			
	Tangent:	113.957				Tangential Length:	2.307			
	Chord:	113.865				Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543
	Middle Ordinate:	1.995					HPI (HPI)	216+04.224 R1	6882572.821	11820093.045
External:	1.990					Tangential Direction:	N40.628°E			
Tangent Direction:	N59.645°E					Tangential Length:	2.307			
Radial Direction:	S30.355°E				Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
Chord Direction:	N63.639°E					HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
Radial Direction:	S22.368°E					Tangential Direction:	N40.628°E			
Tangent Direction:	N67.632°E					Tangential Length:	2.307			
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538		HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
	HPI (HPI)	210+47.595 R1	6882282.485	11819504.806		HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
	CC (CC)	211+02.020 R1	6883279.136	11818972.668		Tangential Direction:	N40.628°E			
	PT (PT)	211+02.020 R1	6882310.449	11819551.596		Tangential Length:	2.307			
	Radius:	817.500			Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
	Delta:	7.987° Right				HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
	Length:	7.009°				Tangential Direction:	N40.628°E			
	Tangent:	113.957				Tangential Length:	2.307			
	Chord:	113.865				Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543
	Middle Ordinate:	1.995					HPI (HPI)	216+04.224 R1	6882572.821	11820093.045
External:	1.990					Tangential Direction:	N40.628°E			
Tangent Direction:	N59.645°E					Tangential Length:	2.307			
Radial Direction:	S30.355°E				Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
Chord Direction:	N63.639°E					HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
Radial Direction:	S22.368°E					Tangential Direction:	N40.628°E			
Tangent Direction:	N67.632°E					Tangential Length:	2.307			
Degree of Curvature(Arc):	PCC (PCC)	209+93.085 R1	6882259.161	11819455.538		HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
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	Radius:	817.500			Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543	
	Delta:	7.987° Right				HPI (HPI)	216+04.224 R1	6882572.821	11820093.045	
	Length:	7.009°				Tangential Direction:	N40.628°E			
	Tangent:	113.957				Tangential Length:	2.307			
	Chord:	113.865				Element: Linear	HPI (HPI)	216+01.917 R1	6882571.071	11820091.543
	Middle Ordinate:	1.995					HPI (HPI)	216+04.224 R1	6882572.821	11820093.045
External:	1.990					Tangential Direction:	N40.628°E			
Tangent Direction:	N59.645°E									

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500* ---
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740* ---

EXISTING UTILITIES AND SURVEY INFORMATION

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1H

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

General Notes:

Date Of Preliminary Submittal: N/A
Date Of Final Submittal: 03/04/2025

Accumark, Inc. Performed An Underground Utility Investigation Effort In February 2025 Within The Project Limits Specified By The Client. The Utility Designation Was Performed In Accordance With Quality Level B (Location Depicted Per Electronic Information Obtained) Standards, Or Unless Otherwise Noted Hereon As Quality Levels C Or D. Datur (Location Shown According To Utility Records), Parole Information (Verbal) And By Surface Features.

The Quality Control / Quality Assurance Review Conducted By Accumark Staff Was Managed And Directly Supervised By Frank R. Richardson, II, L.S. - Accumark, Inc.

The Utility Sizes Shown Herein Are Based On Information Provided By The Utility Company's Owner, By Written Records, By Verbal Information Or By Observed Visual Evidence.

This Survey Is Not A Current Boundary Survey And Does Not Depict Boundary Or Right-Of-Way Information.

Surveyed Locations Of Designated Utilities May Not Represent The Exact Centerline Of The Utility. Test Holes Will Be Necessary To Identify The Exact Centerline.

At Time Of Utility File Submittal Records Have Not Been Received From All Utility Owners. Once Received Accumark Will Review And Revise The Utility File As Necessary.

Accumark Recommends Test Holes On Any Utility Linework Provided If The Possibility Of A Conflict With Proposed Design Exists, Specifically On Provided QLC And QLD Linework.

Utility Ownership Labels Depicted In This File Are Based On Field Information Combined With Available Record Data Provided By Utility Owners But Is Not Guaranteed To Be Accurate And Should Be Confirmed Explicitly With The Utility Owners.

Utility Field Location Reference Notes:

All Horizontal And Vertical Survey Data Contained In Utility Mapping File "su7078_08 - Accumark.dgn" Are Referenced To Traverse Stations / Control Points As Shown In A Text File Entitled "7078-8pnts.txt" Emailed From ATCS On 01/31/2025.

Any Duplicate Utility Structures Survey Located But Also Found Within The Base Mapping Provided Have Been Utilized By Accumark, Inc's Internal QA/QC Of The Utility Mapping. The Base Mapping File Utilized Is Entitled "s7078_08.dgn" Emailed From ATCS On 02/24/2025.

Utility Notes

Unable To Isolate Signal Of Fiber Optics In This Area Due To Utility Congestion. Drawn In DATR As Clarification.

Utility Owners:

WATER & SEWER:

Prince William County (PWS) - Requested, Received
4 County Complex Ct, Woodbridge, VA 22192
Luke Engbert
703.335.7900
lengbert@pwcsa.org

Prince William County (PWS) - Requested, Received
Maureen Knight
Knight@pwcsa.org

ELECTRIC:

Dominion Energy (DOM) - Requested, Received
600 E Canal St
Richmond, VA 23219
Katelyn Sullivan
804.771.4096
katelyn.b.sullivan@dominionenergy.com
https://dominionenergycrm.my.site.com/DEVAGISFacilityLocateForm/s/

Prince William County (PWS) Requested, Not Received
Maureen Knight
Knight@pwcsa.org

TELECOMMUNICATIONS:

Comcast (CMC) - Requested, Received
8031 Corporate Drive Nottingham, MD 21236
Stephen Shelley
443-243-8904
NED-BLT_BeltwayRegionDesignRequests@cable.comcast.com

Verizon (VZN) - Requested, Received
4242 Duke Street Alexandria, VA 22304
Antonio Ashby
252-405-3941
antonio.t.ashby@verizon.com

GAS:

Columbia Gas (CGV) - Requested, Received
Chester, VA
Andrew Steszewski
804.241.8834
ASteszewski@nisource.com

□ E B	Electric Box	□ T B	Telephone Booth
■	Electric Guy Pole	●	Telephone Guy Pole
✱	Electric Ground Light	○	Telephone Guy Wire
○	Electric Guy Wire	✱	Test Holes (All Utilities)
⊠	Electric Hand Hole	⊠	Telephone Cell Tower
⊠	Electric Meter	⊠	Telephone Hand Hole
⊠	Electric Manhole	⊠	Telephone Manhole
⊠	Electric Marker Post	⊠	Telephone Marker Post
⊠	Electric Pedestal	●	Telephone Pole
⊠	Electric Stub	⊠	Telephone Pedestal
■	Electric Power Pole	⊠	Telephone Riser Pole
⊠	Electric Power Riser Pole	⊠	Television Satellite Dish
✱	Electric Light Pole	⊠	Tower Anchor
⊠	Electric Luminaire	⊠	Traffic Camera Pole
⊠	End of Information (All Utilities)	⊠	Traffic Control Hand Hole
⊠	Fire Hydrant	⊠	Traffic Control Manhole
⊠	Fiber Optic Hand Hole	⊠	Traffic Control Guy Wire
⊠	Fiber Optic Marker	⊠	Traffic Control Pedestal
⊠	Fiber Optic Manhole	⊠	Traffic Signal Guy Pole
⊠	Fiber Optic Pedestal	⊠	Traffic Signal Pole
⊠	Gas Meter	⊠	Traffic Signal Pole w/Luminaire
⊠	Gas Manhole	⊠	Telephone Stub
⊠	Gas Marker Post	⊠	Television Hand Hole
⊠	Gas Monitoring Well	⊠	Television Manhole
⊠	Gas Stub	⊠	Television Marker Post
⊠	Gas Test Station	⊠	Television Pedestal
⊠	Gas Valve	⊠	Television Stub
⊠	Gas Vent	⊠	Water Blow Off
⊠	Gas Well	⊠	Water Well
⊠	Sanitary Air Release Valve	⊠	Water Meter
⊠	Sanitary Flow Arrow	⊠	Water Manhole
⊠	Sanitary Stub	⊠	Water Marker Post
⊠	Sewer Clean Out	⊠	Water Spigot
⊠	Sanitary Force Main Valve	⊠	Water Siamese Connection
⊠	Sanitary Marker Post	⊠	Water Stub
⊠	Sanitary Manhole	⊠	Water Valve
⊠	Sewer Vent Pipe	⊠	Water Post Inspection Valve
⊠	Unknown Clean Out	⊠	Water Irrigation Valve
⊠	Unknown Hand Hole	⊠	Water Steam Manhole
⊠	Unknown Manhole	⊠	Water Steam Vent Pipe

CAFO	Fiber Optic Cable Television
CHEM	Chemical Line (above or below ground)
FO Duct	Underground Fiber Optic Duct
FUEL	Fuel Line (above or below ground)
G	Gas Line *
G Duct	Gas Line Duct
SAW	Gravity Sewer *
SFM	Sanitary Force Main *
TCFO	Traffic Control Fiber Optic
T/FO	Telephone Fiber Optic
FO	Underground Fiber Optic
Unk	Unknown Utility Line
E	Underground Power Cable
E Duct	Underground Power Cable Duct
T/Tg	Underground Telephone Cable
T/Tg Duct	Underground Telephone Cable Duct
TC	Underground Traffic Control
TC Duct	Underground Traffic Control Duct
CATV	Underground Television Cable
CATV Duct	Underground Television Cable Duct
VS	Vacuum Sewer
W	Water Line *
W Duct	Water Line Duct
Unk	Depicted According To Utility Records **
Unk	Abandoned According To Utility Records **
Unk	According To Miss Utility Information **
	* Designate size (Variable from 0. 75" to 54")
	** Designate type (Unknown line is shown)

○	Advertising Sign
⊕	Bore Hole
○ BM	Bench Mark
●	Bollard Post
⊕ PHOTO CP	Photo Control Point
△	Control Station
→	Drainage Flow Arrow (Storm Drainage)
⊕	Filler Cap (Gas Stations)
→	Flow Arrow (Streams & Rivers)
⊕ F P	Flag Pole
⊕	Secondary Control Point
⊕	Filler Pipe (Gas Stations)
⊕	Gas Tank Access Manhole (Gas Stations)
⊕	Gravesite Marker
⊕	Guard Post
⊕	Gas Vent Pipe (Gas Stations)
⊕	Mail Box
⊕	Mine Entrance
⊕	Node Point
⊕	Property Line Symbol
⊕	Found Monumentation
⊕	Property Monument
⊕	Metal or Wooden Post
⊕	Monitoring Well
⊕	Road Arrow
⊕	Reference
⊕	Right of Way Monument
⊕	VDOT Commission Monument
⊕	Iron Right of Way Pin
⊕	Railroad Mile Marker
⊕	Railroad Right of Way Monument
⊕	Railroad Signal Pole or Gate
⊕	Railroad Telegraph Pole
⊕	Railroad Telephone Pole
⊕	Railroad Switch
⊕	Shrub
⊕	Storm Sewer Manhole
⊕	Photogrammetric Target
⊕	Tree
⊕	Traffic Left Turn Arrow
⊕	Traffic Left-Right Arrow
⊕	Traffic Left-Thru Arrow
⊕	Traffic Left-Thru-Right Arrow
⊕	Traffic Right Turn Arrow
⊕	Traffic Thru Arrow
⊕	Traffic Thru-Right Arrow
⊕	Traffic Springback Marker
⊕	Wetland Flag Automatic
⊕	Wetland Flag Manual
⊕	Bridge Elevation
⊕	Plan Elevation
⊕	Water Elevation
⊕	Elevation Tick Mark
⊕	Connected Plat Symbol
⊕	Brush Line
⊕	Pipe Culverts *
⊕	City Line
⊕	County Line
⊕	Curb Only
⊕	Curb and Gutter
⊕	Fence Line
⊕	Guardrail
⊕	Hedge Row
⊕	Jersey Barrier
⊕	Obscure Areas
⊕	Paved Ditches
⊕	Railroad
⊕	Right of Way
⊕	State Line
⊕	Edges of Water
⊕	Sidewalks
⊕	Wetlands
⊕	Woods
⊕	* Designate size of culverts (Variable from 12" to 120")

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT
EN24-076-380

SHEET NO.
1H

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Leno, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

TRANSPORTATION MANAGEMENT PLAN & SEQUENCE OF CONSTRUCTION

PROJECT CATEGORY

- A. THIS WILL BE A " TYPE A CATEGORY 1 " PROJECT. CONSTRUCTION WILL CONSIST OF THE INSTALLATION OF A HYDRAULIC CEMENT CONCRETE SIDEWALK ALONG RTE. 1131 LIONS FIELD RD FROM FULLER HEIGHTS RD TO TRIANGLE ELEMENTARY SCHOOL. THIS WILL INCLUDE ADA RAMPS AT FOUR LOCATIONS, AND A CROSSWALK ACROSS THE TRIANGLE ELEMENTARY SCHOOL BUS LOOP.
- B. THE LENGTH OF THE WORK AREA BEGINS AT THE CONNECTION WITH THE SIDEWALK AT FULLER HEIGHTS RD, AND EXTENDS APPROXIMATELY 1825 FEET NORTH TO THE EXISTING SIDEWALK AT TRIANGLE ELEMENTARY SCHOOL.
- C. THE TRAFFIC USING THE FACILITY INCLUDES A MIXTURE OF COMMUTERS, AND LOCAL RESIDENTS. LOCAL TRAFFIC CONSISTS OF VEHICULAR, BICYCLE, AND PEDESTRIAN TRAFFIC.
- D. EQUIPMENT AND MATERIAL STORAGE AREAS ARE ASSUMED NOT WITHIN THE EXISTING RIGHT OF WAY. THERE ARE NO ISOLATED AREAS WITHIN THE RIGHT OF WAY FOR THE CONTRACTOR TO STORE EQUIPMENT & MATERIALS. THE CONTRACTOR MUST REQUEST IN WRITING, PERMISSION TO USE THE ROW AND TO DESCRIBE THE LOCATION OF EACH ROW AREA AND UNDER WHAT CIRCUMSTANCES THE ROW WILL BE USED DURING THE LIFE OF THE PROJECT. NO ROW USAGE WILL BE PERMITTED WITHOUT PROPER NOTIFICATION AND APPROVAL BY THE ENGINEER.

GENERAL NOTES

- 1. UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL TTC PLANS.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 VDOT ROAD AND BRIDGE SPECIFICATIONS, 2009 MUTCD, THE 2026 VIRGINIA WORK AREA PROTECTION MANUAL, VER. 11.0 AND AS DIRECTED BY THE ENGINEER.
- 3. LANE OR SHOULDER CLOSURE HOURS

WEEKDAY	
SINGLE LANE OR SHOULDER CLOSURES	COMPLETE ROAD CLOSURE PERIOD FOR 15 MINUTES INTERMITTENT STOPPAGE
9:00AM TO 3:30PM 8:00PM TO 5:00AM	10:00PM TO 4:00AM
ALL LANES OPEN AT 2:00 PM ON FRIDAY UNTIL THE ALLOWABLE HOURS SPECIFIED IN THE WEEKEND TABLE.	

WEEKEND		
	SINGLE LANE OR SHOULDER CLOSURES	COMPLETE ROAD CLOSURE PERIOD FOR 15 MINUTES INTERMITTENT STOPPAGE
FRIDAY TO SATURDAY	9:00PM TO 9:00AM	10:00PM TO 6:00AM
SATURDAY TO SUNDAY	9:00PM TO 9:00AM	10:00PM TO 6:00AM
SUNDAY TO MONDAY	8:00PM TO 5:00AM	10:00PM TO 4:00AM

- 4. SPECIFIC TRAFFIC CONTROL FIGURES AND NOTES FROM THE CURRENT 2026 VIRGINIA WORK AREA PROTECTION MANUAL (VERSION 11.0) INCLUDE, BUT NOT LIMITED TO:
TTC-1.0 " WORK BEYOND THE SHOULDER"
TTC-23.0 "LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS"
TTC-24.0 "NON-STATIONARY WORK ON A TWO-LANE ROADWAY USING FLAGGERS"
TTC-68.0 "LANE CLOSURE FOR FLAGGING ON AN INTERSECTING ROADWAY"
- 5. ACCESS TO ADJACENT RESIDENTIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY EACH AFFECTED PROPERTY OWNER AT LEAST 48 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS.
- 6. CONSTRUCT THE PROPOSED DRAINAGE SYSTEM WITHIN THE WORK AREA. THE EXISTING DRAINAGE SYSTEM SHALL NOT BE REMOVED UNTIL THE PERMANENT OR TEMPORARY SYSTEM IS IN PLACE. THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE AS REQUIRED, TO PREVENT PONDING OF THE WATER ON THE ROADWAY AND ADJACENT PROPERTIES. THE COST OF THE TEMPORARY DRAINAGE OTHER THAN ITEMS THAT HAVE BEEN QUANTIFIED IN THESE PLANS IS INCLUDED IN THE PRICE BID FOR OTHER DRAINAGE ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED OR AS DIRECTED BY THE ENGINEER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXISTING SIGNS, UNLESS OTHERWISE ADVISED BY THE ENGINEER TO REMOVE OR RELOCATE.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONSTRUCTION, SIGNING, AND TRAFFIC MANAGEMENT PLAN WITH OTHER ADJACENT PROJECTS UNDER CONSTRUCTION.
- 9. ALL EROSION AND SEDIMENT CONTROL MEASURES AND TEMPORARY DRAINAGE SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION.

- 10. EQUIPMENT AND MATERIALS SHALL NOT BE STORED WITHIN THE ESTABLISHED CLEAR ZONE AND/OR DEFLECTION ZONE OF PHYSICAL BARRIERS IN ACCORDANCE WITH THE 2026 VIRGINIA WORK AREA PROTECTION MANUAL, VERSION 11.0.
- 11. IF THERE IS ANY SIGNIFICANT DEVIATION FROM THE TTC PLAQUES, THE MODIFIED TTC SHOULD BE APPROVED AND DIRECTED BY THE ENGINEER.
- 12. ALL LANE AND/OR SHOULDER CLOSURES ALONG VDOT MAINTAINED ROADWAYS SHALL BE COMPLETELY REMOVED ON A DAILY/NIGHTLY BASIS WITH LANES BEING FULLY OPEN TO TRAFFIC AT ALL TIMES BEYOND THE ALLOWABLE AND/OR APPROVED LANE CLOSURE HOURS.
- 13. THE APPLICANT/CONTRACTOR SHALL BE PROPERLY TRAINED AND RESPONSIBLE FOR MAINATAINING ALL PROJECT LANE CLOSURE INFORMATION OR ANY WORK WITHIN VDOT RIGHT-OF-WAY ON LCAMS AND VA TRAFFIC/511 THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH IIM-OD-16-03, DATED DECEMBER 16, 2016.
- 14. ALL LANE AND/OR SHOULDER CLOSURES SHALL BE ACCURATELY ENTERED AND ACCEPTED INTO LCAMS AT LEAST TEN (10) DAYS IN ADVANCE OF THE PROPOSED LANE AND/OR SHOULDER CLOSURE(S) AND NO LATER THAN CLOSE OF BUSINESS WEDNESDAY THE WEEK PRIOR TO THE CLOSURE STATING THE LOCATION, PURPOSE, SPECIFIC LANE(S) TO BE CLOSED, TIME AND DURTAION OF CLOSURE. ANY CONFLICTS GENERATED FROM LCAMS SHALL BE RESOLVED NO LATER THAN CLOSE OF BUSINESS THURSDAY THE WEEK PRIOR TO THE CLOSURE.
- 15. REGARDLESS OF PRIOR APPROVALS, ANY/ALL REQUESTS FOR DEVIATION FROM THE ALLOWABLE LANE CLOSURE HOURS ALONG VDOT MAINTAINED ROADWAYS SHALL BE SUBMITTED TO VDOT NOVA TRAFFIC OPERATIONS FOR REVIEW A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF WORK.
- 16. THE APPLICANT/CONTRACTOR MUST CONTACT THE VDOT NORTHERN DISTRICT TRANSPORTATION OPERATIONS CENTER/TOC (703-539-0100) DAILY/NIGHTLY 15-45 MINUTES PRIOR TO EXECUTING EVRY LANE AND/OR SHOULDER CLOSURES AND CONTACT TOC AGAIN ONCE DAILY/NIGHTLY WORK HAS BEEN COMPLETED AND LANE AND/OR SHOULDER CLOSURES HAVE BEEN REMOVED.
- 17. THE APPLICANT/CONTRACTOR SHALL VERIFY THERE ARE NO ACTIVITIES OR EVENTS IN THE AREA WHICH MAY CAUSE CONFLICT WITH THIS WORK AND SHALL COORDINATE WITH ANY OTHER CURRENT/ONGOING PROJECTS ADMINITERED BY VDOT, THE LOCAL JURISDICTIONS(S) OR ANY PRIVATE ENTITIES WITHIN THE AREA THAT MIGHT BE AFFECTED BY THESE LANE CLOSURES.
- 18. LANE CLOSURES ALONG VDOT MAINTAINED ROADWAYS WILL NOT BE PERMITTED DURING INCLEMENT WEATHER OR EMERGENCY SITUATIONS.
- 19. LANE AND/OR SHOULDER CLOSURES ALONG VDOT MAINTAINED ROADWAYS SHALL NOT BEGIN IF HEAVY TRAFFIC OR SIGNIFICANT QUEUEING AND BACKUPS ARE ALREADY PRESENT ALONG THE ROADWAY(S).
- 20. ACCESS TO/FROM ALL RAMPS, ROADWAYS, SIDE STREETS, DRIVEWAYS AND PROPERTIES, AS APPLICABLE, WITHIN AND ADJACENT TO THE WORK AREA SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THE WORK.
- 21. THE APPLICANT/CONTRACTOR SHALL CONTINUOUSLY MONITOR ALL LANE CLOSURE(S) AND DETOUR ROUTES, IF APPLICABLE, AND MAKE SPOT ADJUSTMENTS AS NEEDED/AVAILABLE TO EASE UNDUE BACKUPS, DELAYS OR QUEUEING AND REOPEN LANES IMMEDIATELY, IF NECESSARY.
- 22. LANE AND SHOULDER CLOSURE HOURS OF OPERATION ALONG VDOT MAINTAINED ROADWAYS MAY BE ADJUSTED BY VDOT AT ANY TIME IF SIGNIFICANT TRAFFIC IMPACTS ROUTINELY DEVELOP AS A RESULT OF THE PROJECT OR CITIZEN COMPLAINTS ARE RECEIVED.
- 23. THE APPLICANT/CONTRACTOR SHALL NOTIFY THE VIRGINIA STATE POLICE (VSP), AS NECESSARY, AND THE VARIOUS LOCAL AREA LAW ENFORCEMENT AND EMERGENCY SERVICES OF ALL CLOSURES AND TIMES FOR SITUATIONAL AWARENESS.
- 24. ALL ANTICIPATED AND/OR INCIDENTAL IMPACTS TO VDOT MAINTAINED TRAFFIC SIGNALS SHALL REQUIRE NOTIFICATION THROUGH VDOT NOVA DISTRICT - TRAFFIC OPERATIONS DIVISION.
- 25. WHEN WORKING IN AND AROUND ANY CROSSWALKS OR TRAILS, CONTINUOUSLY MONITOR SAFE PEDESTRIAN AND BICYCLE ACCESS AT ALL TIMES.
- 26. DEPENDING ON THE TIME OF YEAR AND DAY, THE APPLICANT/CONTRACTOR MUST NOTIFY AND/OR COORDINATE WITH THE LOCAL AREA SCHOOLS OF ALL CLOSURES AND TIMES TO AVOID ISSUES WITH SCHOOL BUILDING ACCESS AND/OR BUS SCHEDULES AND ROUTES.
- 27. DURING LANE CLOSURES, THE WORK ZONE SHALL REMAIN CONTINUOUSLY ACTIVE WITH CONSTRUCTION OPERATIONS.

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1J
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA ROADWAY ENGINEER				

PUBLIC COMMUNICATIONS PLAN

THE PUBLIC SHALL BE NOTIFIED OF THE EXPECTED SCHEDULE ON VDOT AND PRINCE WILLIAM COUNTY'S WEBSITES FOR THIS PROJECT. INFORMATION OF THE POTENTIAL FOR CONGESTION DURING THE PEAK HOURS OF OPERATION IS PROVIDED BY THE REGIONAL TRAFFIC OPERATIONS CENTER.

TRANSPORTATION OPERATIONS PLAN

THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION PROJECT MANAGER, THE PUBLIC AFFAIRS SECTION, AND THE TRAFFIC OPERATIONS CENTER (TOC), OF LANE CLOSURE INFORMATION, ONE WEEK IN ADVANCE, ON WEDNESDAY, FOR DISTRIBUTION ON THE 511 SYSTEM AND VOIS. EMERGENCY RESPONSE PROFESSIONALS SHALL RESPOND TO TRAFFIC INCIDENTS IN THE WORK ZONE AS SOON AS POSSIBLE.

THE FOLLOWING IS THE CONTACT LIST OF EMERGENCY RESPONSE AGENCIES IN CASE AN INCIDENT OCCURS IN THE WORK ZONE:

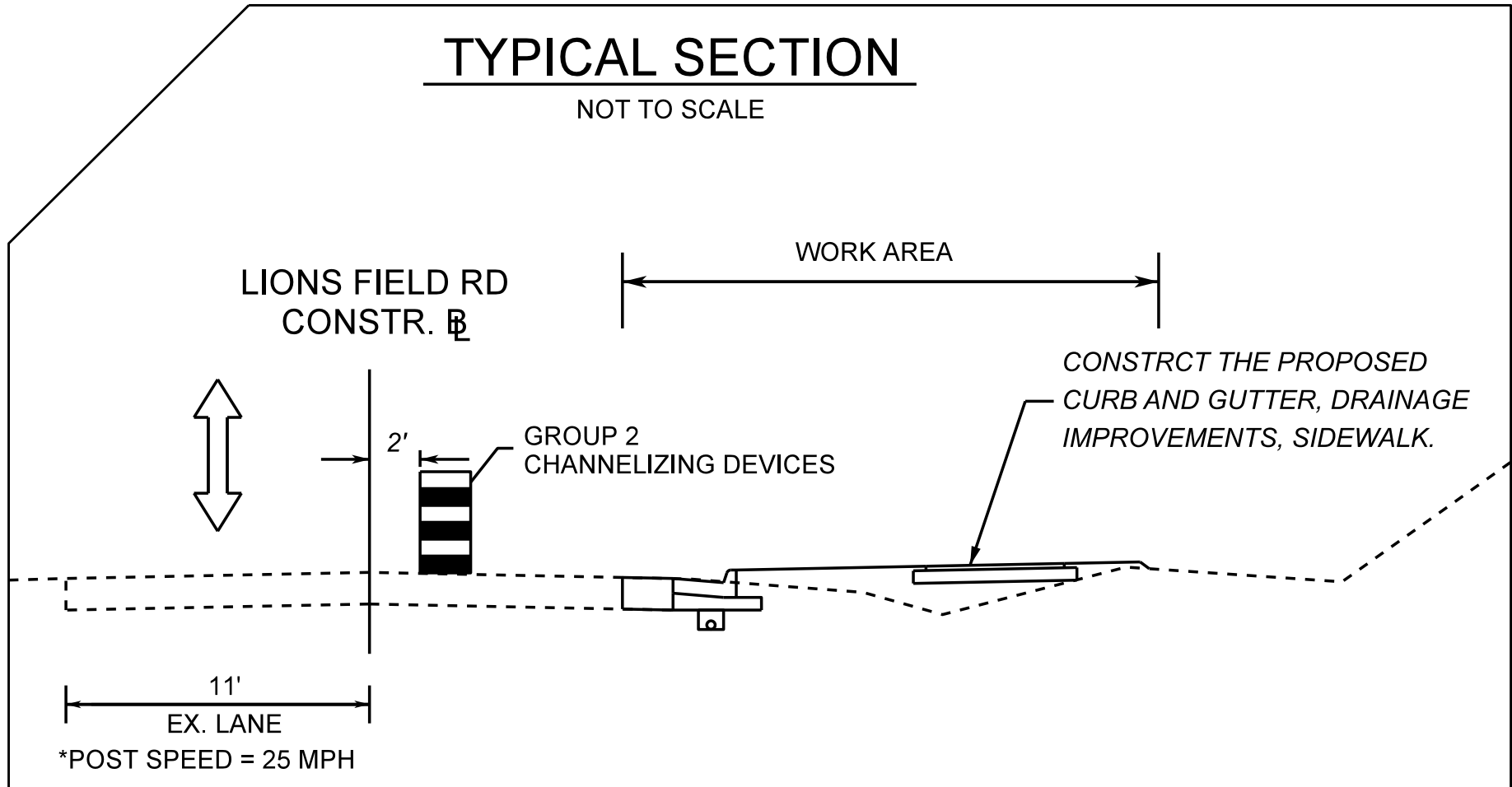
POLICE/AMBULANCE/FIRE SAFETY/HAZMAT SPILLS - 911
TRAFFIC OPERATIONS CENTER - (703) 539-0100
VIRGINIA STATE POLICE - (703) 791-3101
VDOT NOVA DISTRICT PRINCE WILLIAM RESIDENCY - (703) 259-0244
PRINCE WILLIAM COUNTY POLICE - (703) 792-6500

FOLLOWING ANY TRAFFIC INCIDENTS, THE SITE SHALL BE CLEARED AND RESTORED FOR NORMAL TRAFFIC OPERATIONS AS SOON AS POSSIBLE.

TRAFFIC INCIDENTS WILL BE INVESTIGATED AND MEASURES INTRODUCED TO REDUCE OCCURRENCES. IF NECESSARY THE TRANSPORTATION MANAGEMENT PLANS MAY BE REVISED IN CONSULTATION WITH A VDOT ENGINEER.

SUGGESTED SEQUENCE OF CONTRUCTION

- 1. THE CONTRACTOR SHALL CLOSE THE EASTBOUND LANE OF LIONS FIELD ROAD IN ACCORDANCE WITH 2026 VWAPM VER. 11.0 FIGURE TTC-23.0 "LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS", AS WELL AS CLOSE THE NORTHBOUND LANE OF FULLER HEIGHTS ROAD AT THE INTERSECTION IN ACCORDANCE WITH TTC-68.0 "LANE CLOSURE FOR FLAGGING ON AN INTERSECTING ROADWAY". CONSTRUCT THE PROPOSED CURB AND GUTTER, CURB RAMPS, DRAINAGE IMPROVEMENTS, AND SIDEWALK ALONG LIONS FIELD ROAD. WORK OUTSIDE THE ROADWAY MAY CONTINUE OUTSIDE OF ALLOWABLE LANE CLOSURE HOURS USING VWAPM FIGURE TTC-1.0 "WORK BEYOND THE SHOULDER". PEDESTRIAN ACCESS SHALL BE MAINTAINED DURING CONSTRUCTION AND THE SITE WILL BE STABILIZED AT THE END OF EACH DAY TO ALLOW PEDESTRIAN ACCESS.
- 2. THE CONTRACTOR SHALL MILL & OVERLAY THE ADJACENT LANE ON LIONS FIELD ROAD AS SHOWN ON THE PLANS IN ACCORDANCE WITH VWAPM FIGURE TTC-24.0 "NON-STATIONARY WORK ON A TWO-LANE ROADWAY USING FLAGGERS".



60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT
EN24-076-380

SHEET NO.
1J

PROJECT MANAGER *Ramli Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	1L

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

SOILS MAP

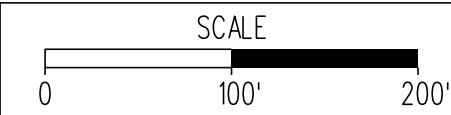


SOIL CLASSIFICATION

SOIL UNIT	NAME	SLOPE CHARACTERISTICS	RUNOFF POTENTIAL	DEPTH TO BEDROCK	HSG	AASHTO CLASSIFICATION
16A	DELANCO FINE SANDY LOAM	0 TO 4 % SLOPES	MEDIUM	> 200 CM	D	A-4
18C	DUMFRIES SANDY LOAM	7 TO 15 % SLOPES	LOW	> 200 CM	A	A-4
18D	DUMFRIES SANDY LOAM	15 TO 25 % SLOPES	MEDIUM	> 200 CM	A	A-4
27A	HATBORO-CODORUS COMPLEX	0 TO 2 % SLOPES	LOW	> 200 CM	D	A-4
47B	QUANTICO SANDY LOAM	2 TO 7 % SLOPES	MEDIUM	> 200 CM	B	A-4
47D	QUANTICO SANDY LOAM	15 TO 25 % SLOPES	HIGH	> 200 CM	B	A-4
54B	URBAN LAND-UDORTHENTS COMPLEX	0 TO 7 % SLOPES	N/A	> 200 CM	N/A	N/A

60% PLANS

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FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



PROJECT
EN24-076-380

SHEET NO.
1L

PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500
SUBSURFACE UTILITY BY, DATE Accumark, Inc, 03/04/2025, (804)550-7740

GENERAL NOTES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	2

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

GRADING

- G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.
- G-2 Earthwork quantities on this project are based on anticipated settlement and may require adjusting during construction.
- G-4 The cost of removal of all existing concrete items located in the area to be graded, including, but not limited to the following, shall be included in the price bid for regular excavation: Curb and gutter, concrete foundations
- G-6 The borrow material for this project shall be a minimum CBR 10 or as approved by the Materials Engineer.

DRAINAGE

- D-1 The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.
- D-2 The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on the plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Engineer shall confer with, and get approval from, the applicable District Drainage Engineer before installing the culvert or storm sewer outfall pipe.
- D-3 The "H" dimensions shown on plans for drop inlets and junction boxes and the "L.F." dimensions shown for manholes are for estimating purposes and are based on the proposed invert elevations shown for the structure and the anticipated top (rim) elevation based on existing or proposed finished grade. The actual "H" or "L.F." dimensions are to be determined by the contractor from field conditions.
- D-6 Pipes shall conform to any of the allowable types shown on sheet number 2B, within the applicable height of cover limitations. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height of cover, see the VDOT Road and Bridge Standard PC-1. Structural plate pipe may be substituted for corrugated pipe of the same size, provided the substitution complies with the applicable sections of the VDOT Road and Bridge Standards PC-1.
- D-10 The proposed riprap may be omitted by the Engineer if the slope designated for placement of riprap is found to be comprised of solid rock or closely consolidated boulders with soundness, size and weight equal to, or exceeding, the specifications for the proposed riprap.
- D-13 Existing drainage facilities being utilized as a part of the drainage system, and designated on the plans "To Be Cleaned Out" shall be cleaned as directed by the Engineer. The cost incidental to this shall be included in the contract price for other items.
- D-16 When CG-6 or CG-7 is specified on a radius (such as at a street intersection), the Engineer may approve a decrease in the cross slope of the gutter to facilitate proper drainage.

PAVEMENT

- P-2 The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of the theoretical maximum density.

INCIDENTALS

- I-5 That portion of the right of way lying within the Clear Zone or within a minimum of 10 feet from the edge of pavement or surfacing or within the limits of the construction slopes beyond 10 feet, shall be cleared and grubbed in accordance with the applicable VDOT Road and Bridge Specifications, Section 301, where sufficient right of way or construction easement is provided.
- I-9 When no centerline alignment is shown for a proposed entrance, the entrance shall be constructed in the same location as the existing entrance.
- I-16 The "underground utilities" survey data on this project has been provided by consultant and copies are available from the Department.
- I-19 The following outside sources, under contract with VDOT, have provided information on this project.
- | | | |
|---------------------|---|---------------|
| Hydraulic Design | - | ATCS |
| Roadway Design | - | ATCS |
| Utility Design | - | N/A |
| Utility Designation | - | Accumark, INC |
| Utility Location | - | Accumark, INC |
| Survey | - | ATCS |
| Bridge Design | - | N/A |
| Traffic Design | - | ATCS |
| Landscape Design | - | N/A |

If questions or problems arise during construction, please contact the Area Construction Engineer. DO NOT CONTACT THE OUTSIDE SOURCES.

- I-20 The Official Electronic PDF Version of the plans will override the paper copies or prints of specific layers.
- Portions of this plan assembly have been CADD generated. To assist in the preparation of the bid and construction of the project, Microstation format (.dgn) files will be made available to the prime contractor during bids and after award of the contract.
- I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and MicroStation format (.dgn) files. Only the PDF files will be considered as part of the official plan assembly.

The MicroStation format (.dgn) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See the VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described in the VDOT CADD Manual. The Microstation files will only match the scanned files if all required levels are turned on. A Microstation Software license is required to be able to read these files.

EROSION AND SEDIMENT CONTROL (ESC)

- E-1 If the removal of Brush Silt Barrier is specified by the plans or required by the Engineer, the cost of removal and disposal of brush shall be in accordance with Section 109 of the applicable VDOT Road and Bridge Specifications.

- E-2 Rock for Check Dams, Inlet Protection, Erosion Control Stone and Riprap shall be in accordance with Section 203 and Section 414 of the applicable VDOT Road and Bridge Specifications.

- E-3 The following symbols are used to depict Erosion Control items in the plan assembly:

- | | |
|--|---|
| | Denotes Rolled Erosion Control Product, Temporary, St'd. EC-2 Type 1, 2, 3 or 4 |
| | Denotes Rolled Erosion Control Product, Permanent, St'd. EC-3 Type 1, 2 or 3 |
| | Denotes Temporary Silt Fence, St'd EC-5 Type A or B |
| | Denotes Temporary Diversion Dike, St'd EC-9 |
| | Denotes Rock Check Dam, Type I: St'd EC-4 |
| | Denotes Rock Check Dam, Type II: St'd EC-4 |
| | Denotes Inlet Protection, Type A: St'd EC-6 |
| | Denotes Inlet Protection, Type B: St'd EC-6 |
| | Denotes Limits of Disturbance |

- E-4 Permanent vegetation shall be established on all denuded areas not otherwise stabilized with non-erodible materials. See the roadside development sheet for details on permanent vegetation establishment.

60% PLANS

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PROJECT EN24-076-380	SHEET NO. 2
-------------------------	----------------

PROJECT MANAGER *Ramli Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

TYPICAL SECTIONS

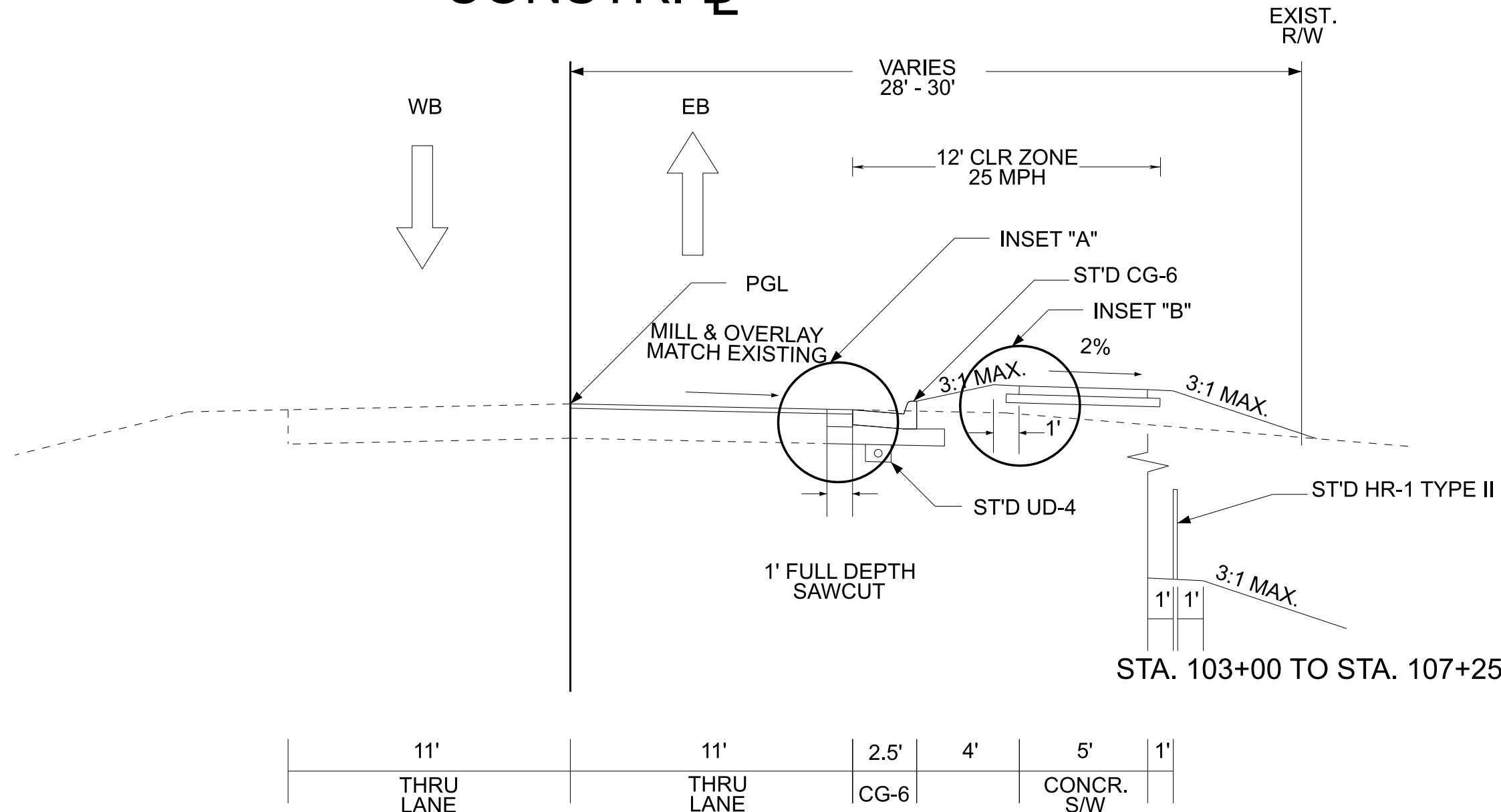
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2A(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

H&A
TYSONS CORNER, VIRGINIA
MATERIALS ENGINEER

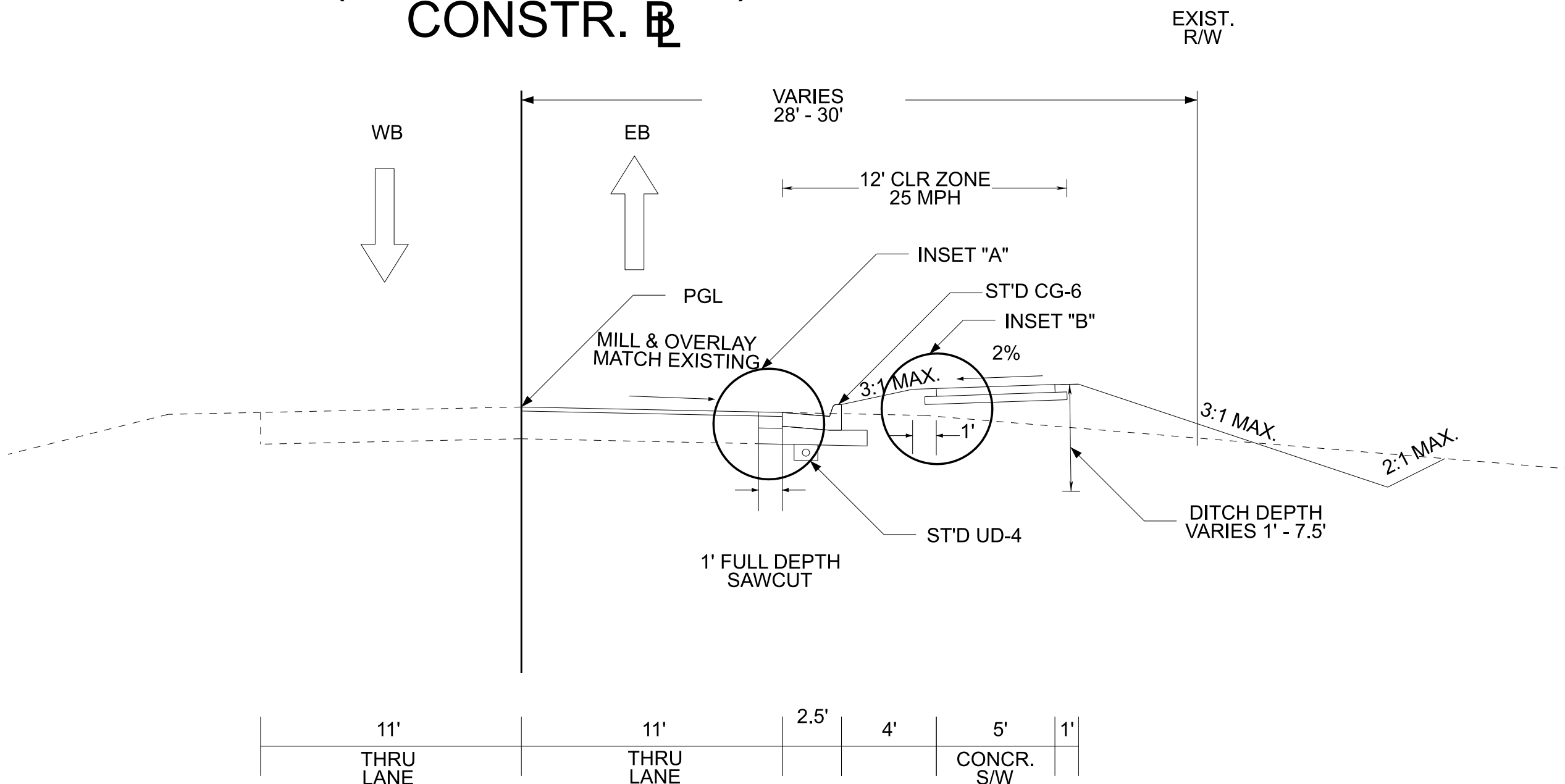
ATCS
HERNDON, VIRGINIA
ROADWAY ENGINEER

RTE. 1131
(LIONS FIELD RD)
CONSTR.



STA. 100+50 TO STA. 109+75

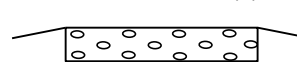
RTE. 1131
(LIONS FIELD RD)
CONSTR.



STA. 109+75 TO STA. 115+12

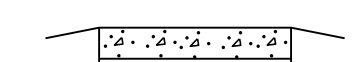
PRIVATE AND COMMERCIAL ENTRANCES

TYPE I
Crusher Run Aggr.



6" Crusher Run
Aggr. 25 or 26

TYPE II
Concrete



Concrete Entrance Pavement
7" HES
4" Aggr. Base Mat'l, Ty. I
No. 21A or 21B

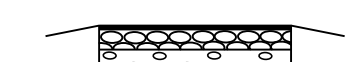
TYPE III
Asphalt



Asphalt Conc. Type
SM-9.5A or SM-9.5D @ 220 Lbs. per S. Y.
4" Aggr. Base Mat'l, Ty. I
No. 21A or 21B

NOT TO SCALE

TYPE IV
Asphalt Commercial



Asphalt Conc. Type
SM-9.5A or SM-9.5D @ 165 Lbs. per S. Y.
4" Asphalt Conc. Base Course
BM-25.0
6" Aggr. Base Mat'l, Ty. I
No. 21A or 21B

The type of entrance (I, II, III, IV) to be constructed will be determined by the existing condition at the time of construction.

PAVEMENT DESIGN

- 1.5" ASPHALT CONCRETE TYPE SM-9.5A
- 6" ASPHALT CONCRETE TYPE BM-25.0A
- 8" AGGREGATE BASE MATERIAL, TYPE I, SIZE NO. 21B
- 4" HYDRAULIC CEMENT CONCRETE, CLASS A3
- 4" AGGREGATE BASE MATERIAL, TYPE I, NO. 21B

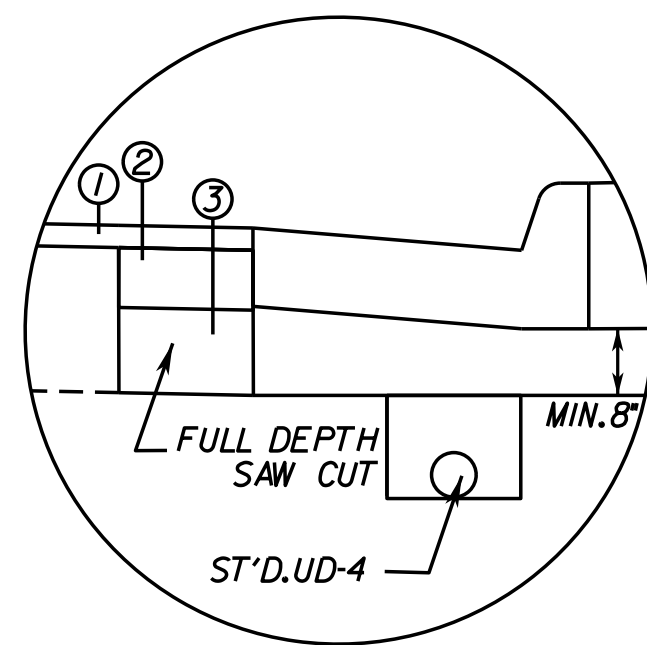
NOTES:

1. ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD WP-2.
2. SEE PLANS AND CROSS SECTIONS FOR VARIATIONS IN TYPICAL SECTION. THE CROSS SECTIONS SHALL TAKE PRECEDENCE OVER THE TYPICAL SECTIONS.

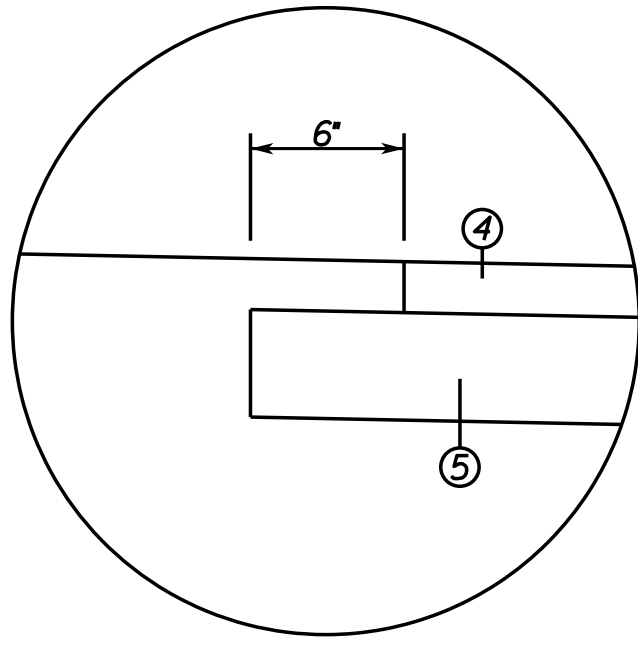
UNSUITABLE SOIL TREATMENT OPTION:

- A. UNDERCUT THE SUBGRADE TO 18 INCHES BELOW FINISHED SUBGRADE ELEVATION. PLACE A WOVEN GEOTEXTILE SUBGRADE STABILIZATION FABRIC MEETING THE REQUIREMENTS OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS. ABOVE THE GEOTEXTILE, REPLACE THE UNDERCUT MATERIAL WITH SELECT MATERIAL, TYPE II, MINIMUM CBR-10.

INSET A



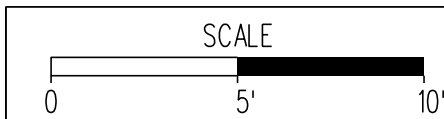
INSET B



NOT TO SCALE

60% PLANS

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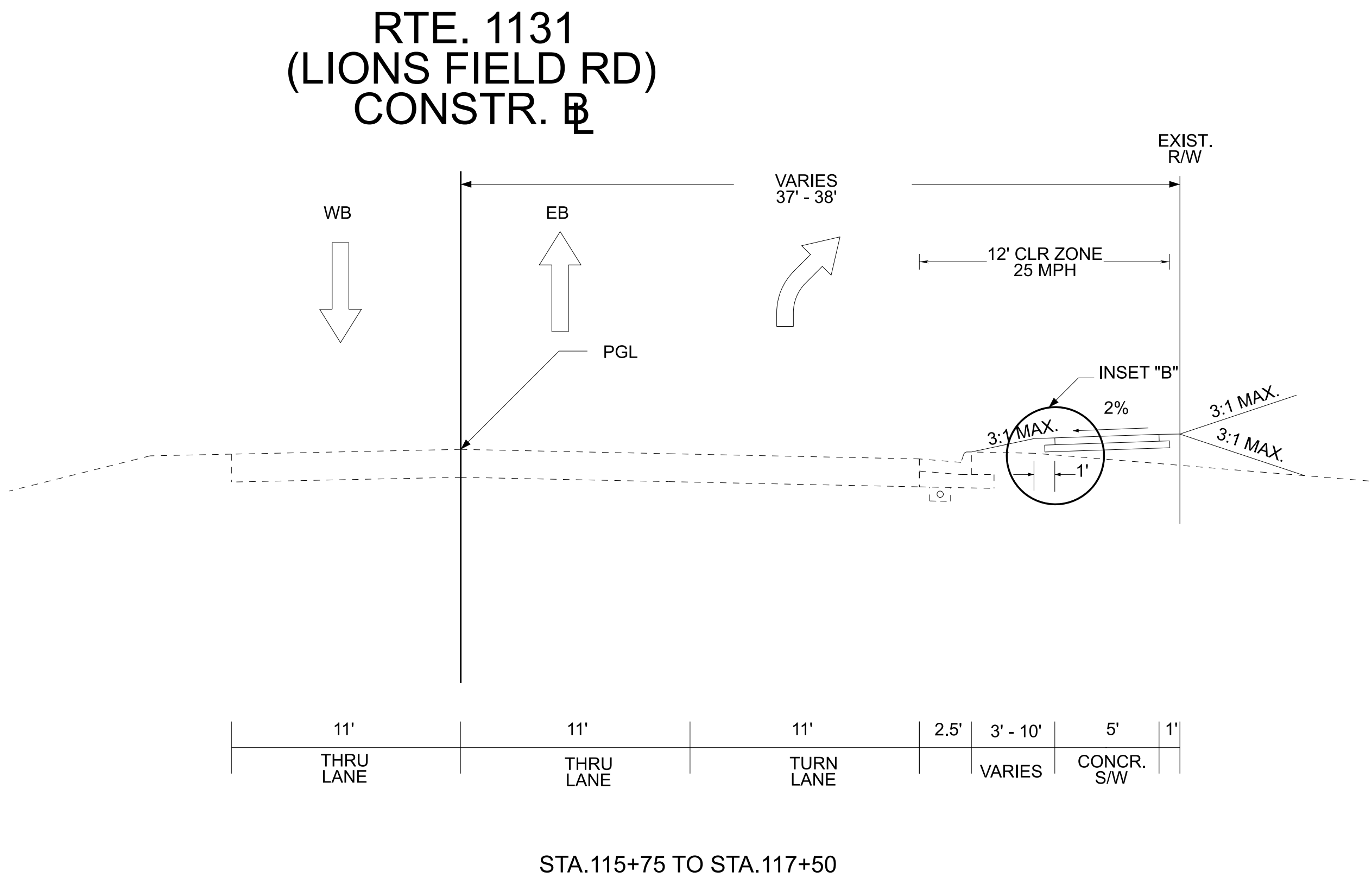
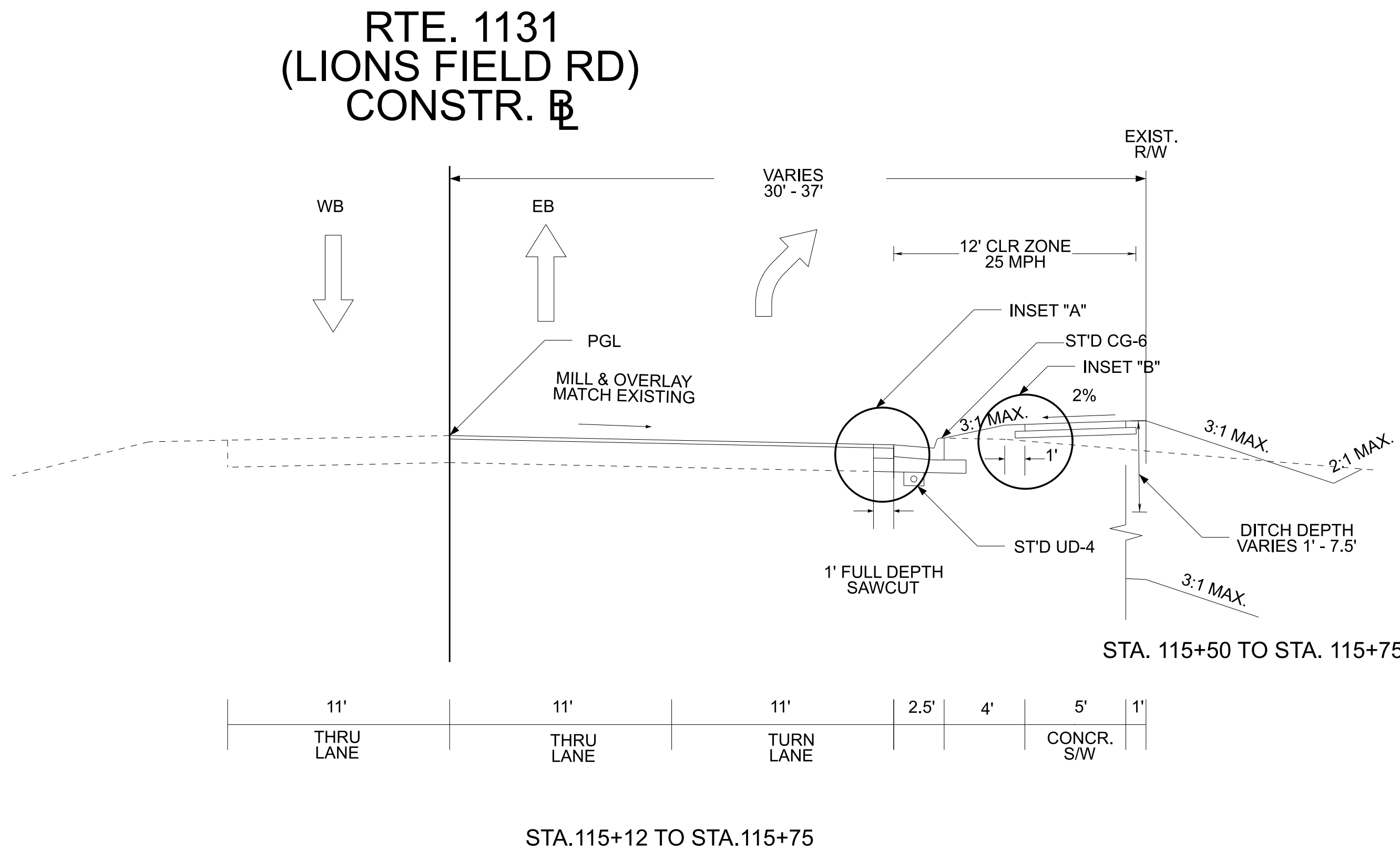
PROJECT
EN24-076-380

SHEET NO.
2A(1)

PROJECT MANAGER *Ramli Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

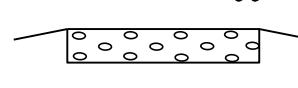
TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2A(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
H&A TYSONS CORNER, VIRGINIA MATERIALS ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		



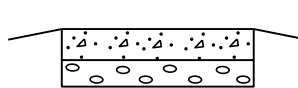
PRIVATE AND COMMERCIAL ENTRANCES

TYPE I
Crusher Run Aggr.



6" Crusher Run Aggr. 25 or 26

TYPE II
Concrete



Concrete Entrance Pavement
7" HES
4" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

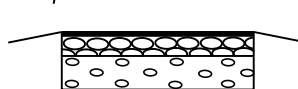
TYPE III
Asphalt



Asphalt Conc. Type
SM-9.5A or SM-9.5D @ 220 Lbs. per S.Y.
4" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

NOT TO SCALE

TYPE IV
Asphalt Commercial



Asphalt Conc. Type
SM-9.5A or SM-9.5D @ 165 Lbs. per S.Y.
4" Asphalt Conc. Base Course
BM-25.0
6" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

The type of entrance (I, II, III, IV) to be constructed will be determined by the existing condition at the time of construction.

PAVEMENT DESIGN

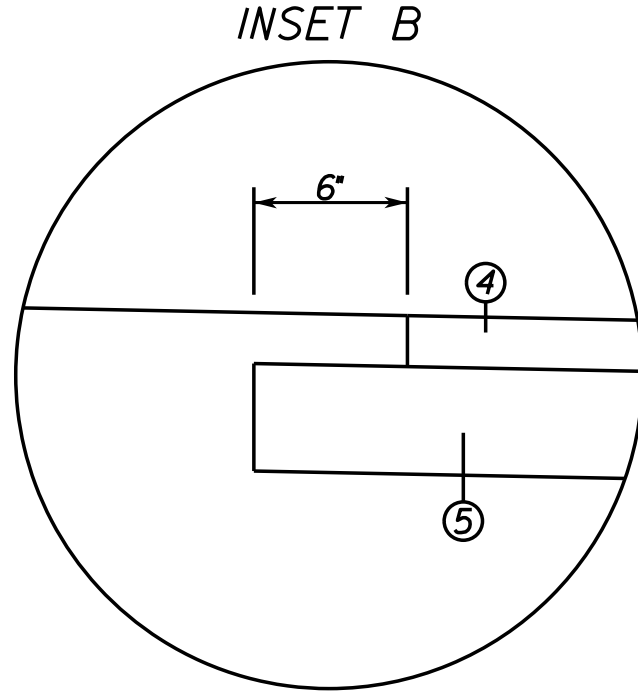
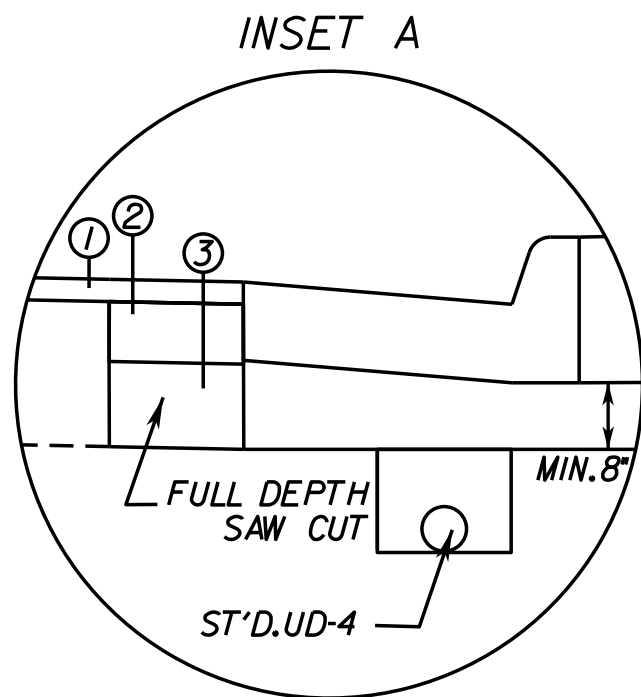
- 1.5" ASPHALT CONCRETE TYPE SM-9.5A
- 6" ASPHALT CONCRETE TYPE BM-25.0A
- 8" AGGREGATE BASE MATERIAL, TYPE I, SIZE NO. 21B
- 4" HYDRAULIC CEMENT CONCRETE, CLASS A3
- 4" AGGREGATE BASE MATERIAL, TYPE I, NO. 21B

NOTES:

1. ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD WP-2.
2. SEE PLANS AND CROSS SECTIONS FOR VARIATIONS IN TYPICAL SECTION. THE CROSS SECTIONS SHALL TAKE PRECEDENCE OVER THE TYPICAL SECTIONS.

UNSUITABLE SOIL TREATMENT OPTION:

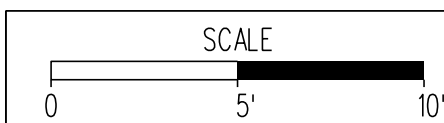
- A. UNDERCUT THE SUBGRADE TO 18 INCHES BELOW FINISHED SUBGRADE ELEVATION. PLACE A WOVEN GEOTEXTILE SUBGRADE STABILIZATION FABRIC MEETING THE REQUIREMENTS OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS. ABOVE THE GEOTEXTILE, REPLACE THE UNDERCUT MATERIAL WITH SELECT MATERIAL, TYPE II, MINIMUM CBR-10.



NOT TO SCALE

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



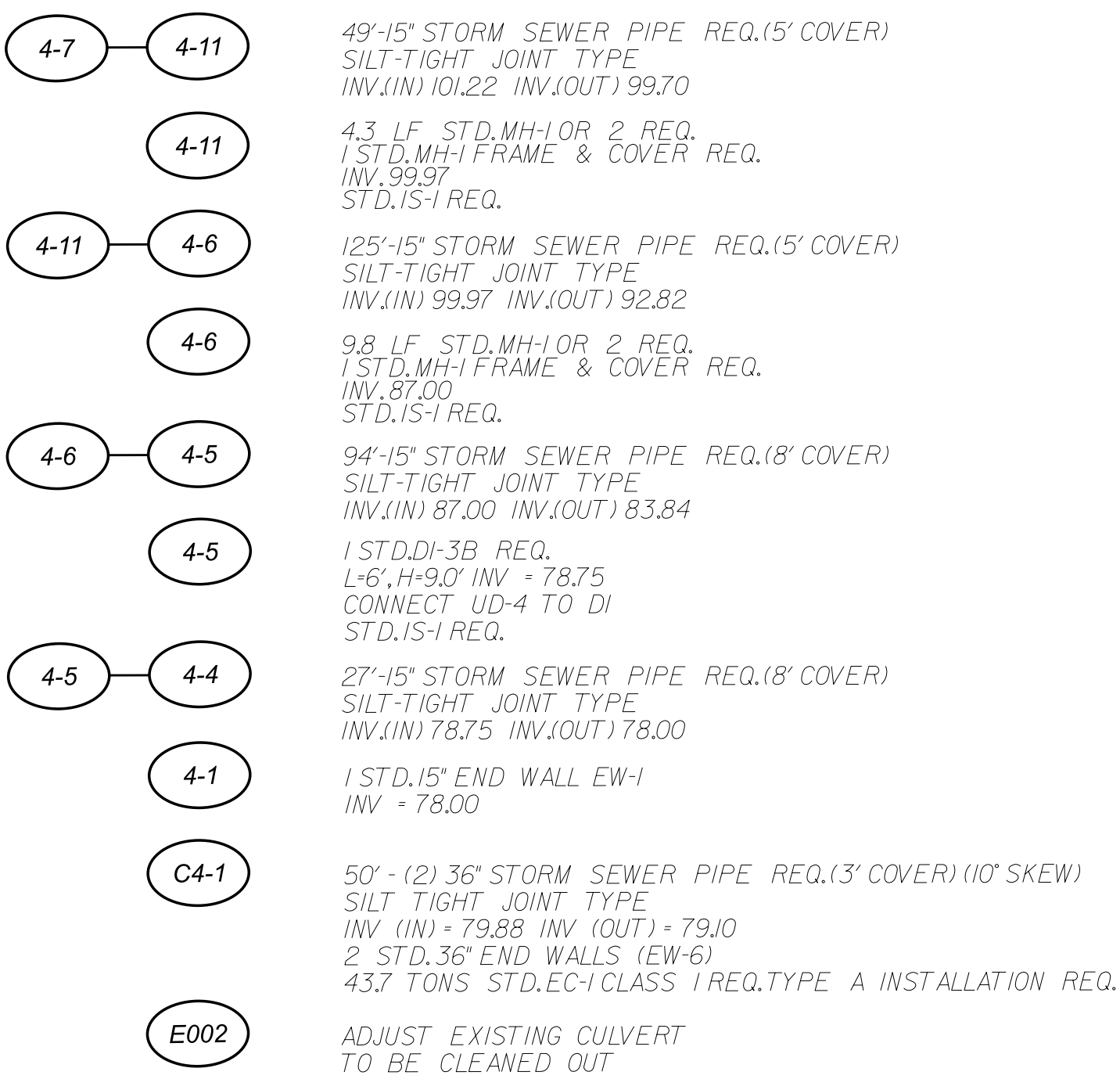
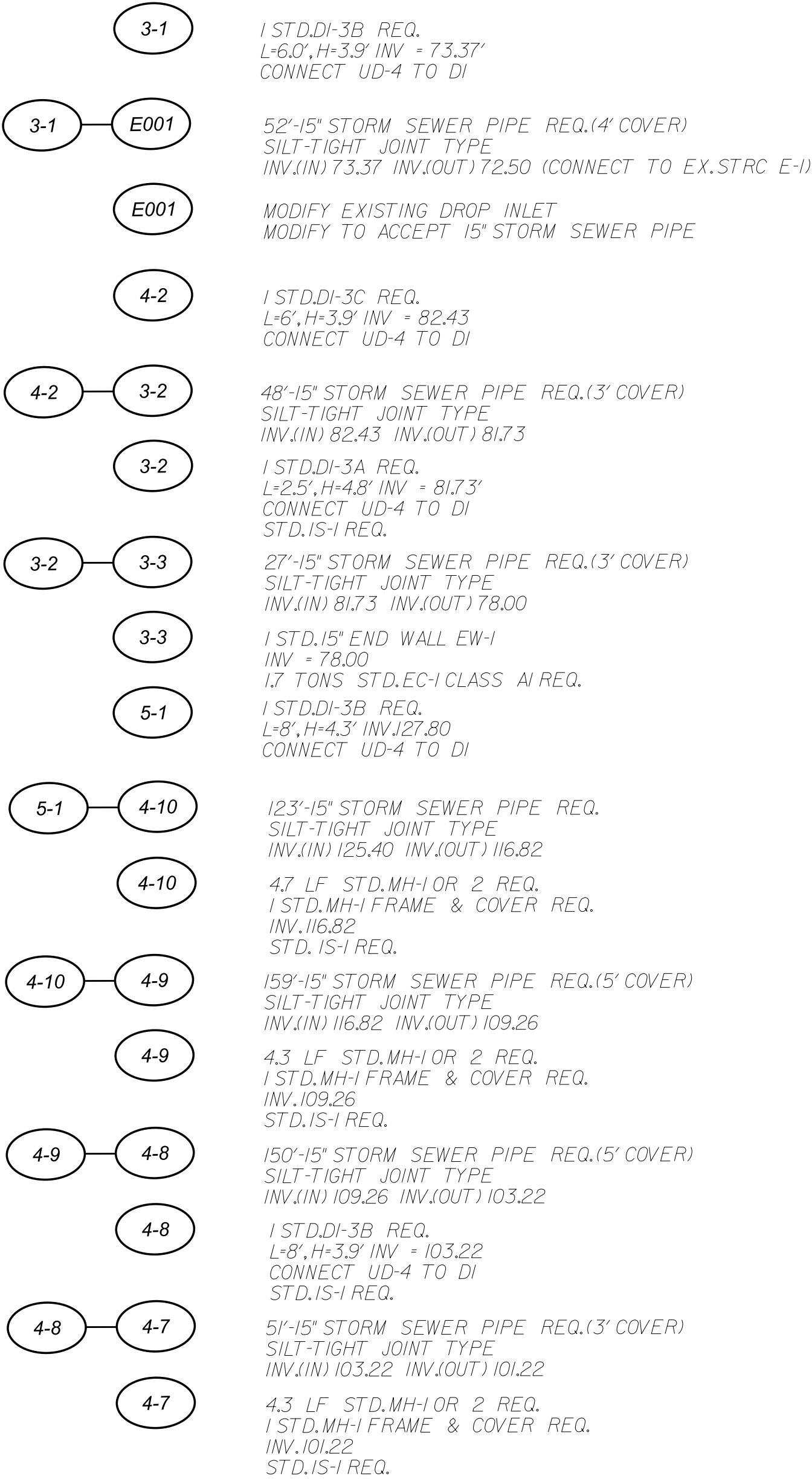
PROJECT
EN24-076-380

SHEET NO.
2A(2)

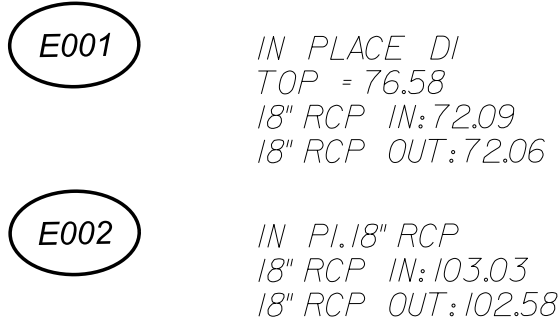
PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE Tamir Lenox, LS, ATCS, 02/23/2025, (703)430-7500 --
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500 -----
SUBSURFACE UTILITY BY, DATE AccuMark, Inc. 03/04/2025, (804)550-7740

DRAINAGE DESCRIPTIONS

PROPOSED DRAINAGE DESCRIPTIONS



EXISTING DRAINAGE DESCRIPTIONS



ALLOWABLE TYPE PIPE CULVERT (UNLESS OTHERWISE SHOWN IN DRAINAGE DESCRIPTIONS) (SEE ROAD AND BRIDGE PC-I FOR HEIGHT OF COVER LIMITATIONS FOR EACH TYPE)												
LOCATION	CONCRETE	ALUMINUM COATED TYPE 2 CORRUGATED STEEL	POLYMER COATED (10/10) CORRUGATED STEEL	UNCOATED GALVANIZED CORRUGATED STEEL	GALVANIZED STEEL STRUCTURAL PLATE	GALVANIZED STEEL STRUCTURAL PLATE WITH THICKENED INVERT	CORRUGATED ALUMINUM ALLOY	CORRUGATED ALUMINUM ALLOY STRUCTURAL PLATE	POLYVINYLCHLORIDE (PVC) RIBBED PIPE (SMOOTH INTERIOR)	POLYETHYLENE (PE) CORRUGATED TYPE C	POLYETHYLENE (PE) CORRUGATED TYPE S	POLYPROPYLENE (PP) TYPE D OR S
Lions Field Road	X		X			X			X	X	X	X

ALLOWABLE TYPE OF STORM SEWER PIPE (UNLESS OTHERWISE SHOWN IN DRAINAGE DESCRIPTIONS) (SEE ROAD AND BRIDGE PC-I FOR HEIGHT OF COVER LIMITATIONS FOR EACH TYPE)								
LOCATION	CONCRETE	ALUMINUM COATED TYPE 2 STEEL SPIRAL RIB	POLYMER COATED (10/10) CORRUGATED STEEL SPIRAL RIB	POLYMER COATED (10/10) CORRUGATED STEEL DOUBLE WALL (SMOOTH INTERIOR)	ALUMINUM SPIRAL RIB	POLYVINYLCHLORIDE (PVC) RIBBED PIPE (SMOOTH INTERIOR)	POLYETHYLENE (PE) CORRUGATED TYPE S	POLYPROPYLENE (PP) TYPE D OR S
Lions Field Road	X		X	X		X	X	X

DITCH TABULATIONS										
Ditch No.	Plan Sta./Offset To Plan Sta./Offset	Road	Length (ft)	Bottom Width (ft)	Avg. Longitudinal Slope (ft/ft)	Lining Depth (ft)	Lining Width (ft)	Front Slope	Back Slope	Lining
4	115+50/39 RT - 109+94/34 RT	Lions Field Road	556	-	0.05	1	5	3	2	EC-2 Type 4
3	109+56/35 RT - 106+50/42 RT	Lions Field Road	319	-	0.07	1	5	3	2	EC-3 Type 1
2	106+33/42 RT - 105+65/49 RT	Lions Field Road	56	6	0.04	2	10	1	1	EC-3 Type 1
1	106+50/43 RT - 106+33/42 RT	Lions Field Road	17	10	0.04	2	14	1	1	Rock Riprap

60% PLANS THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT
EN24-076-380

SHEET NO.
2B

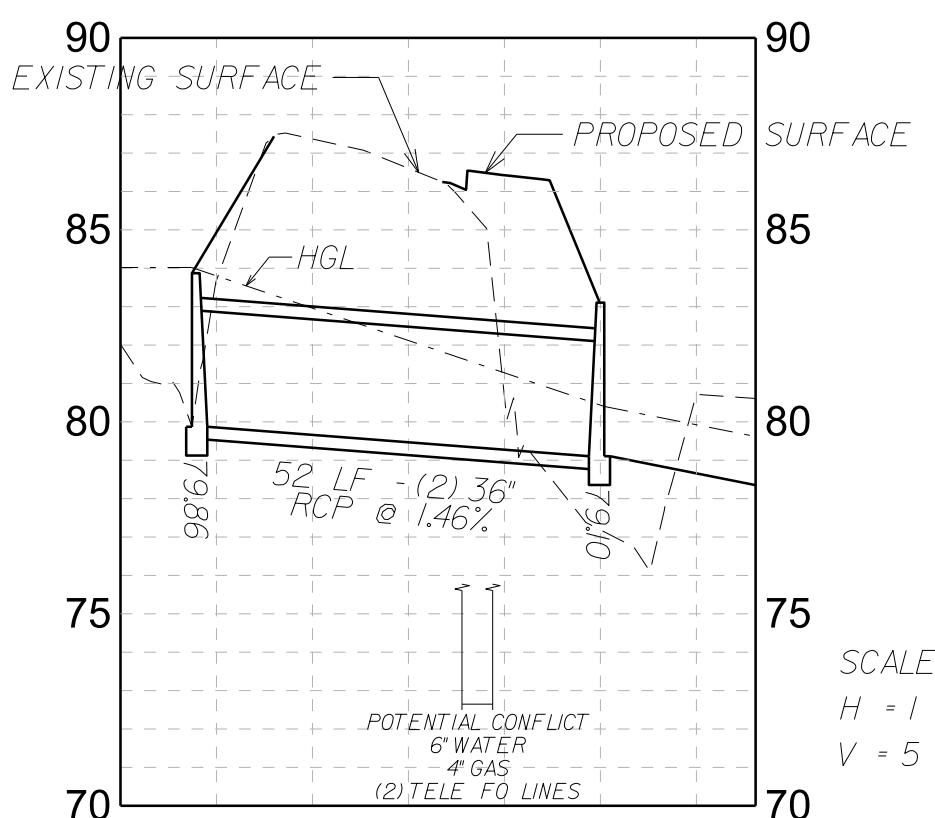
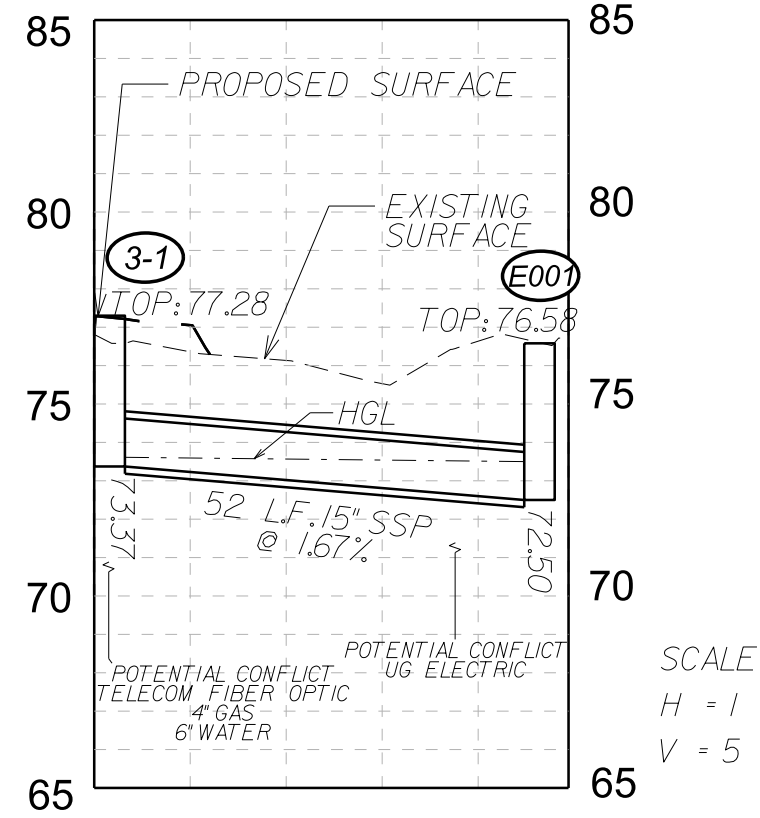
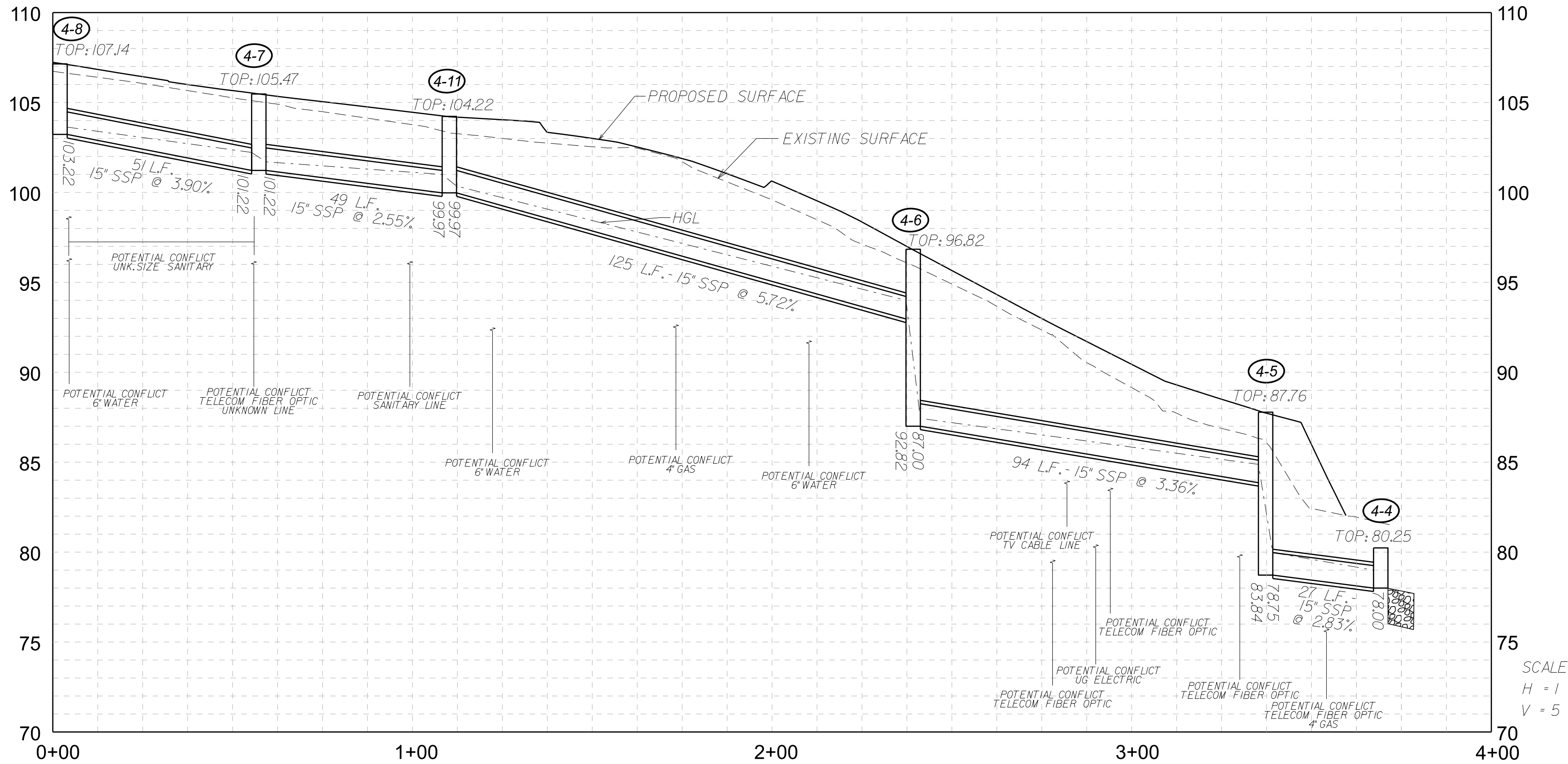
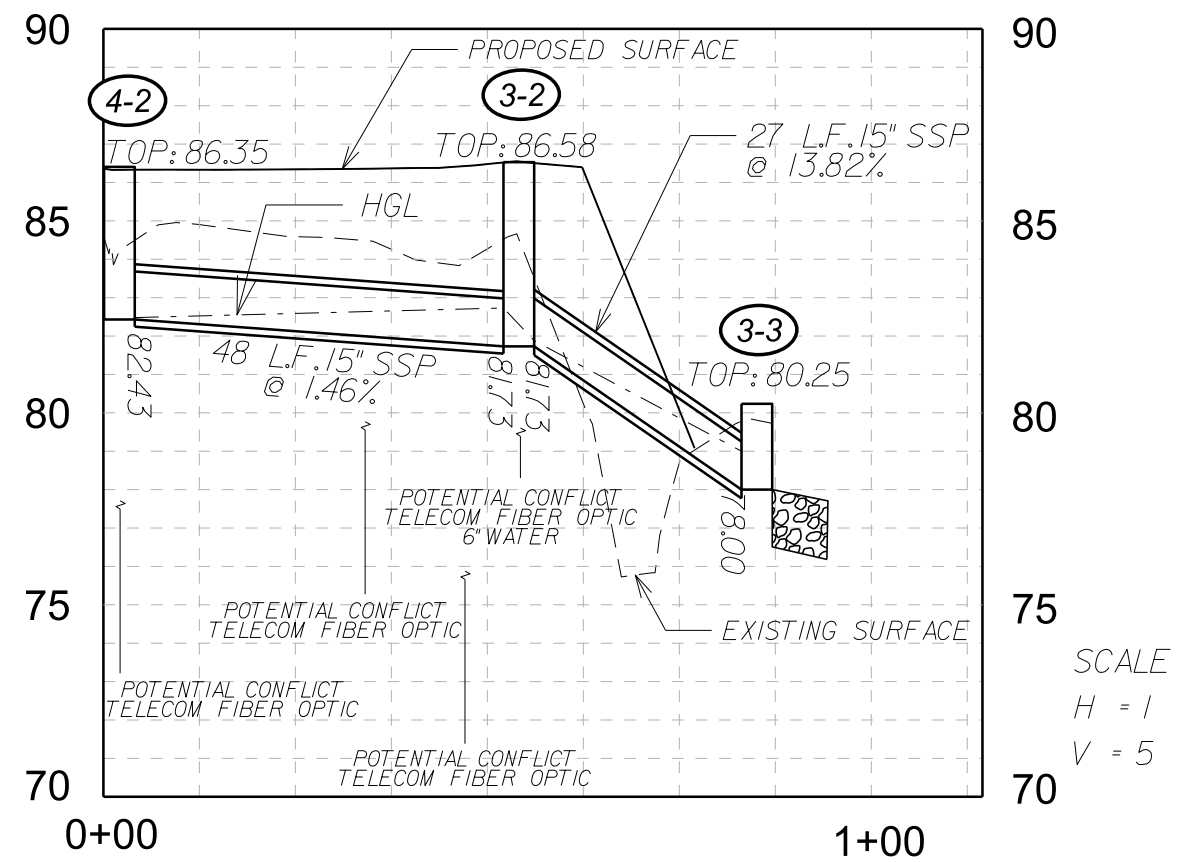
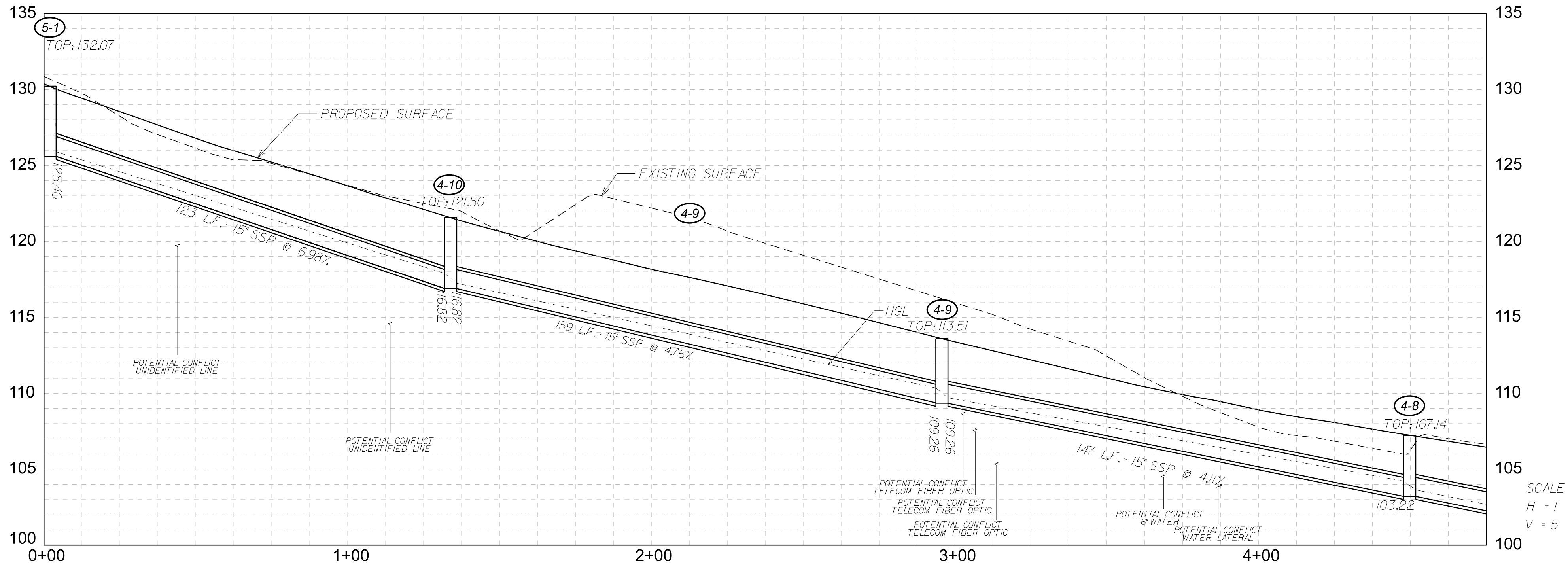
PROJECT MANAGER: Rami Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE: Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500
DESIGN BY: William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500
SUBSURFACE UTILITY BY, DATE: Accumark, Inc. 03/04/2025, (804)550-7740

STORM DRAIN PROFILES

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2C

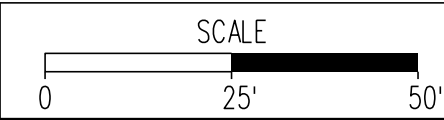
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

ATCS
HERNDON, VIRGINIA
HYDRAULIC ENGINEER



60% PLANS

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FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



PROJECT	SHEET NO.
EN24-076-380	2C

PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE Tam Lenox, LS, ATCS, 02/23/2025, (703)430-7500 ---
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500 ---
SUBSURFACE UTILITY BY, DATE Accumark, Inc, 03/04/2025, (804)550-7740 ---

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (1)

The information contained in the SWPPP GeneralInformation sheets is intended to comply with the requirements of the GeneralVPDES Permit For Discharges Of Stormwater From Construction Activities (VAR10) (the CGP) issued July 1, 2024 and VDOT's approved AnnualESC and SWM Standards and Specifications.

The SWPPP GeneralInformation sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD (as defined in the latest IIM-LD-242) willensure that the information shown on the SWPPP General Information sheets is updated/ revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/ revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that this document and all other documents related to the SWPPP, as identified on the SWPPP General Information Sheets, are maintained at the activity site, or at a location convenient to the activity site where no on-site facilities are available, and such documents will be made available for review upon request in accordance with the provisions of the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) when applicable. Where the SWPPP documents are not stored on-site, a copy of such documents shall be in the possession of those with day to day operational control over the implementation of the SWPPP whenever they are on site.

* or ** Duly Authorized Representative Signature"

Signature: -----
Printed Name: -----
Date:-----

(1) See Section 1, Item 12 relating to delegation of authority, and form LD-445H (Delegation of Authority).

ACRONYMS

ACE - Area Construction Engineer	R&B - Road and Bridge
AS&S - Annual Standards and Specifications	RLD - Responsible Land Disturber
BMP - Best Management Practice	SWM - Stormwater Management
CBPA - Chesapeake Bay Preservation Act	SWPPP - Stormwater Pollution Prevention Plan
CGP - General VPDES Permit For Discharges of Stormwater from Construction Activities (VAR10)	TMDL - Total Maximum Daily Load
DEQ - Department of Environmental Quality	VDOT - Virginia Department of Transportation
DHE - District Hydraulic Engineer	VESMP - Virginia Erosion and Stormwater Management Program
EPA - U.S. Environmental Protection Agency	VPDES - Virginia Pollutant Discharge Elimination System
ESC - Erosion and Sediment Control	WLA - Waste Load Allocation
IIM - Instructional and Informational Memorandum	
NPDES - National Pollutant Discharge Elimination System	

SECTION I GENERAL INFORMATION

1. Activity Description - Construction of Sidewalk along Lions Field Road from the intersection with Fuller Heights Road to the driveway entrance of Triangle Elementary School.

2. This land disturbance (construction) activity site is located in Prince William County and approximately 1.45 acres will be disturbed by excavation, grading or other construction activities.

3. A. This proposed activity disturbs one acre or greater and required coverage under the VPDES General Permit for Discharges of Stormwater from Construction Activities (the VPDES Construction Permit) as issued by the DEQ. A copy of the VPDES Construction Permit (VAR10), the registration information (LD-445 & LD-445C forms) and the permit coverage letter received from DEQ shall be maintained with other SWPPP documents for this land disturbing activity.

✖✖ 4. The location of support facilities that will be covered under the CGP coverage for this land disturbance (construction) activity shall be provided by the contractor and identified on a legible map. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may involve land disturbance or pollutant-generating activities of its own. Must also include areas where polymers, flocculants, or other stormwater treatment chemicals will be used or stored. Only support facilities within the VDOT ROW and easements are covered under this CGP.

✖✖ 5. Written Evidence of permit coverage shall be provided by the contractor for all support activities located outside of VDOT right of way or easement in the form of the CGP coverage letter: (List VPDES Permit * or Letter from VESMP Authority stating coverage not needed)

Impaired waters, TMDLs, Exceptional waters, and Turbidity Monitoring

6. Does stormwater from this land disturbing activity discharge into surface waters that have been identified as impaired in the 2022 305(b)/303(d) Water Quality Assessment Integrated Report for Benthic Macroinvertebrates Bioassessments? (See latest DEQ Environmental Mapper)

☐ No
☒ Yes

List impaired water(s) here: Potomac River

7. Does stormwater from this land disturbing activity discharge into a watershed with a TMDL waste load allocation established prior to July 1, 2024 for sediment, total suspended solids, turbidity, nitrogen or phosphorus, including all surface waters within the Chesapeake Bay Watershed?

☐ No
☒ Yes

List TMDL(s) and pollutant(s) here: Chesapeake Bay - Total Suspended Solids, Phosphorus, Nitrogen

8. Does stormwater from this land-disturbing activity discharge stormwater to surface waters that have been identified as Exceptional in 9VAC25-260-30.A.3.c of the Water Quality Standards regulation?

☒ No
☐ Yes

List name of surface waters:

9. If "NO" was answered in note 6, 7, and 8, then items a, b, c and d (below) shall be implemented and adhered to for this land-disturbing activity. If "Yes" was answered in note 6, 7, or 8, then the requirements of Part I.B.4.a or Part I.B.5, as applicable, of the Construction General Permit shall be implemented and the operator shall ensure the following SWPPP requirements are adhered to for this land-disturbing activity:

- Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the construction site.
 - Temporary and permanent stabilization will be applied as noted and in accordance with ESC Minimum Standards 1 and 3.
 - Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturers recommendations or an approved nutrient management plan and shall not be applied during rainfall events; Nutrients are being applied per the projects Roadside Development sheet.
 - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and Inspections are being completed at least every four (4) business days (C-107s are completed on Mondays and Thursdays) Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.
- e. Turbidity Monitoring Requirement - Undertake one of the methods identified in Part II.B.8. of the CGP for controlling and documenting construction dewatering discharges.

10. Concentrated stormwater is discharged from this land disturbance (construction) activity into Little Creek roughly 173' from the Fuller Heights Road and Lions Field Road intersection. Little Creek continues downstream until the confluence with tidal Quantico Creek.

11. The ESC and SWM plans (where applicable) for this land disturbance (construction) activity have been developed in accordance with VDOT's Annual Erosion and Sediment Control and Stormwater Management Standards and Specifications as approved by the DEQ.

12. List the RLD and other responsible parties for the land disturbance activity: (required for erosion and sediment control). The following individual(s) are "duly authorized" to sign all reports required by the CGP including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference form LD-445H for Duly Authorized Representatives (form LD-445H for the project is hereby incorporated by reference into this SWPPP). These individual(s) has/have overall responsibility or the environmental matters for the project: (required only for permitted projects):

Name	Position	Qualifications (if required)	Responsibility
	RLD		Certify the SWPPP (with date & sig.)
	Certified Contractor		Sign (C-107) Inspection Form Part 1
	Certified Inspector		Sign (C-107) Inspection Form Part 1
	Certified Inspector		Sign (C-107) Inspection Form Part 2

✖ 13. The name of the VDOT individual(s) responsible for the oversight inspection in accordance with IIM-LD-256 on these land disturbance construction activities as identified on these SWPPP General Information Sheets. The following individual(s) are "duly authorized" to sign all reports required by the CGP including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference for LD-445H for Duly Authorized Representatives (form LD-445H for the project is hereby incorporated by reference into this SWPPP). The names will be updated and maintained with the other SWPPP documents for this land disturbance activity.

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2D(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

VDOT Individuals	Position	Qualifications (if required)	Responsibility
Marion Carroll	NPDES		NPDES coordinator or designee(s) responsible for the oversight inspection in accordance with IIM-LD-256
Pawan Sarang, P.E.	Dist. Hyd. Engineer		District Hydraulic Engineer or designee(s) responsible for the review & the coordination approval of ESC SWM plan modification(s).
	ACE		Project Manager during Construction

✖ 14. The ESC and P2 inspections for this land disturbing (construction) activity shall follow (Select Schedule 1 or 2, if schedule #2 is used, void note #15) as defined in R&B Specifications identified on the title sheet except for Section 107 an Inspection Requirements Rain gauge notes apply only to Inspection Schedule 1.

If the operator must make the same repairs more than two times to the same control at the same location, even if the fix can be completed by the close of the next business day, the operator shall either:

- Complete work to fix any subsequent repeat occurrences of this same problem under the corrective action procedures in Part IIH, including keeping any records of the condition and how it was corrected under Part IIC; or
- Document in the inspection report under Part IIG why the specific reoccurrence of this same problem should still be addressed as a routine maintenance fix.

✖✖ 15. The location of the on-site rain gage that will be used to determine the occurrence of a measurable storm event for the purposes of ESC and Pollution Prevention inspections will be provided by the contractor and identified on the record set of plans or in other appropriate SWPPP documents for this land disturbance activity: (List location of rain gage).

The rain gage shall be observed daily at "-----" to determine the occurrence of a measurable storm event (i.e., 0.25 inches of rainfall or greater in a 24 hour period). A log book shall be maintained to record observation information which shall include (1) the date, (2) the time, (3) whether or not rainfall is occurring at the time of the observation, (4) the amount of accumulated rainfall in the gage, if any, and (5) whether or not an inspection is required based on the amount of accumulated rainfall in the gage.

A discharge caused by snow melt (from a snow event producing 3.25 inches or more of snow within a 24-hour period). The operator is required to conduct one inspection once the discharge of snow melt occurs. Additional inspections are only required if, following the discharge from the first snow melt, there is a discharge from a separate storm event.

If there is no rainfall occurring at the time of the observation, the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage. If there is rainfall occurring at the time of the observation, the observation information is to be noted in the log book. The rain gage is not to be emptied but left to accumulate additional rainfall until the conclusion of the rainfall event. At the conclusion of the rainfall event, an observation of the rain gage shall be made and the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.

16. The following VDOT documents are applicable to a) permitted projects b) non-permitted projects in Chesapeake Bay Preservation Areas (CBPA) with 2,500 S.F. to 1.0 acre of land disturbance c) non-permitted projects requiring a SWPPP and d) Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP:

VDOT LD-445: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP and ESC projects > 10,000 s.f. but <1 acre.

VDOT LD-445A: Permitted projects only.

VDOT LD-445C: Projects that require a permit, ESC Plan, SWM, or SWPPP.

VDOT LD-445D: Permitted projects, CBPA projects and Non-permitted,

Non-CBPA with BMP projects that have a water quantity BMP.

VDOT LD-445F: Emergency work projects (when applicable)

VDOT LD-445H: Permitted projects only.

VDOT C-107 Part I (All projects that require a SWPPP).

VDOT C-107 Part II (Only for Permitted Projects).

VDOT LD-445I: AS&S Approval Form (when applicable)

VDOT LD-445J: Off-site Support/ Material Disposal Area Activities Tracking Form

✖ Denotes information that is to be provided/completed by the RLD.

✖✖ Denotes information that is to be provided/completed by the contractor.

Revised 7/25/24
SWPPP Sheet 1 of 3

60% PLANS

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PROJECT	SHEET NO.
EN24-076-380	2D(1)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500* -----
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (2)

SECTION II EROSION AND SEDIMENT CONTROL

- XX
1. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with the current edition of Section 108 of the VDOT R&B Specifications identified on the title sheet and shall be included with the other SWPPP documents for this land disturbance (construction) activity.
2. Existing and proposed drainage patterns on the construction site and approximate slopes anticipated before and after major grading activities are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
3. Areas of soil disturbance and areas of the site which will not be disturbed are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
4. Locations of major structural and nonstructural ESC measures intended to filter, settle or similarly remove sediment are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
5. Locations where stabilization practices are expected to occur are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
6. A description of interim and permanent stabilization practices for the site are identified in the applicable sections of the documents identified in Note 1 of Section IV.
- XX
7. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the construction site, and when stabilization measures are initiated will be provided by the contractor and maintained with the record set of plans or other SWPPP documents for this land disturbance (construction) activity: (List how this will be tracked and the location)
8. A description and schedule of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107 and 303 of the VDOT R&B Specifications identified on the title sheet.
9. Nutrients shall be applied in accordance with the current edition of Sections 603, 604 and 605 of the VDOT Road and Bridge Specifications identified on the title sheet. Nutrients shall not be applied during rainfall events. Top soil shall be applied in accordance with the current edition of section 602 of the Road and Bridge Specifications identified on the title sheet.
10. All engineering calculations supporting the design of erosion and sediment control measures proposed for this land disturbance (construction) activity are contained in the project drainage file located in the VDOT NOVA District Hydraulics Section and will be made available for review upon request during normal business hours.
11. The temporary erosion and siltation control items shown on the ESC Plan for this land disturbing (construction) activity are intended to provide a general plan for controlling erosion and sediment within the project limits. The ESC Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the VDOT Project Engineer and/or ESC Inspector, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require an engineering analysis, elimination of a perimeter control, change to ESC concept that would affect the quantity or direction of flow of water) shall be submitted to the applicable District Hydraulics Engineer for review and approval. Any changes to the proposed ESC Plan must be noted on the designated record set of plans which shall be retained on the project site and made available upon request during normal business hours. Changes noted on the designated record set of plans must address certification language with initial and date by duly authorized personnel.
12. The areas beyond the project's construction limits are to be protected from siltation. Perimeter controls such as silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.
13. Temporary earthen structures such as dikes and berms are to be stabilized immediately upon installation. Stabilization may include temporary or permanent seeding, riprap, aggregate, sod, mulching, and/or soil stabilization blankets and matting in conjunction with seeding.
14. All channel relocations are to be constructed during the earliest stage of construction and shall be constructed in accordance with all applicable permit requirements and shall be constructed in the dry wherever possible. Stabilization or vegetation shall be established before flow is redirected through the constructed area as directed by the Engineer.
15. The contractor shall plan and implement his land disturbance operations in order to:

a. Control the volume and velocity of stormwater runoff within the site to minimize erosion.

b. Control the peak flow rates, volume and velocity of stormwater discharges to minimize erosion at outlets and in downstream channels.

c. Minimize the amount of soil exposed.

d. Minimize the disturbance of steep slopes.

e. Minimize sediment discharge from the site.

f. Provide and maintain natural buffers around surface waters, direct stormwater runoff to vegetated areas and maximize stormwater infiltration, unless infeasible.

g. Minimize soil compaction (except in those areas where compaction is required by the contract documents) and preserve topsoil where feasible.

- XX
16. The name of the individual(s) or contractor(s) responsible for the installation and maintenance of the erosion and sediment control measures shall be supplied by the contractor and maintained with the other SWPPP documents for this land disturbance (construction) activity.

17. Soil stockpiles temporarily placed within the project area or on VDOT right of way or easement shall be identified, stabilized, and protected with sediment trapping measures.
18. A construction entrance or other approved measure shall be installed at all locations where construction vehicular traffic access routes intersect a paved or a public road in order to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or a public road surface, the road shall be cleaned thoroughly at the end of each work day by shoveling or sweeping. Removed sediment shall be disposed of in accordance with Section 106.04 of the R&B Specifications identified on the title sheet. Construction entrances shall be maintained as necessary, including the addition of additional rock, as part of routine maintenance.

19. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VESMP Regulation have been approved by the DEQ for this land disturbance (construction) activity: (list all approved variances, exceptions, deviations and include a brief description of the variance, the date approved and the approving DEQ Office).

Type(1)	Regulation Modified(2)	Approval Date(3)	Description

- (1) Type of modification (Variance from ESC regulations, or Deviation from published guidance)
- (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
- (3) Date that variance/exception/deviation was approved by DEQ.
- (4) Description and request

SECTION III POST CONSTRUCTION STORMWATER MANAGEMENT

Choose the appropriate note 1A or 1B that is applicable to the proposed post construction SWM Plan for this land disturbance (construction) activity. (Delete, strike through or mark as NA those notes not applicable.)

- X
1. This land disturbance activity utilizes the technical criteria contained in Article 3 (9VAC25-875-570, et seq.) of the VESMP Regulations (Formerly Part IIB of the technical criteria). (Include one of the following notes as appropriate)

2. An exception for (number) pounds of phosphorus removal has been granted for this land disturbance activity by the DEQ in its letter dated (date).
3. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VESMP Regulation have been approved by the DEQ for this land disturbance activity: (list all approved variances, exceptions/deviations and include a brief description, the date approved and the approving DEQ Office)

Type(1)	Regulation Modified(2)	Approval Date(3)	Description

- (1) Type of modification (Variance, or Exception from SWM Regulations or Deviation from published guidance)
- (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
- (3) Date that variance/exception/deviation was approved by DEQ.
- (4) Description of request

4. The permanent on-site SWM facilities or off-site strategies proposed to meet the water quality/quantity requirements for this land disturbance (construction) activity are listed in Section VI.

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2D(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

5. A description of all post-construction stormwater management measures that will be installed during the construction process to control pollutants in stormwater discharges after construction operations have been completed is included in the construction plan set (or other such documents) for this land disturbance (construction) activity.

6. All engineering calculations supporting the design of the post-construction stormwater management measures for this land disturbance (construction) activity, including an explanation of the technical basis used to select the practices, are contained in the project drainage file located in the VDOT NOVA District Hydraulics Section and will be made available for review upon request during normal working business hours.

X Denotes information that is to be provided/ completed by the RLD.

XX Denotes information that is to be provided/completed by the contractor.

Revised 7/25/24
SWPPP Sheet 2 of 3

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT	SHEET NO.
EN24-076-380	2D(2)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500* -----
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (3)

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2D(3)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

The information contained in the SWPPP GeneralInformation sheets is intended to comply with the requirements of the GeneralVPDES Permit For Discharges Of Stormwater From Construction Activities (the CGP) issued July 1, 2024 and VDOT's approved AnnualESC and SWM Standards and Specifications.

The SWPPP GeneralInformation sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance (construction) activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD willensure that the information shown on the SWPPP GeneralInformation sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shallbe maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

SECTION IV SWPPP

- All documents related to the SWPPP for this land disturbance (construction) activity shallbe maintained at the activity site and shallbe readily available for review upon request during normalbusiness hours. Such documents include, but are not limited to, the construction plans (or other such documents), the ESC Plan, the Pollution Prevention Plan, the post construction SWM Plan (if applicable), the VDOT R&B Standards and Specifications, SupplementalSpecifications, SpecialProvisions and SpecialProvision Copied Notes. Documents related to stormwater pollution prevention which are not a part of those documents referenced above, such as copies of the CGP coverage letter (when applicable) and the CGP (when applicable) and those required to be developed by the contractor for pollution prevention associated with any support facilities being included in the CGP coverage for this land disturbance (construction) activity are to be maintained at the activity site with the other SWPPP documents for this land disturbance (construction) activity. Where no facilities are available at the activity site to maintain the SWPPP documents, they are to be kept by or with the designated RLD at a location convenient to the activity site where they would be made available for review upon request during normalbusiness hours.
- The SWPPP and any subsequent amendments, modifications and updates shallbe signed and certified as necessary to comply with the CGP, and shallbe implemented from commencement of land disturbance untiltermination of CGP coverage or completion of land disturbance (construction) activities where no CGP coverage is required.
- ✖✖ 3. For all support facilities that willbe included in the CGP coverage for this land disturbance (construction) activity, the contractor shalldevelop a SWPPP in accordance with, but not limited to, Section 106 and 107 of the VDOT Road and Bridge Specifications identified on the title sheet. The SWPPP for the support facilities shallbe maintained with and become a component of the SWPPP for this land disturbance (construction) activity. Support facilities shallinclude, but not be limited to, borrow and disposalareas, construction and waste materialstorage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.
- For those land disturbing (construction) activities requiring coverage under the CGP, the SWPPP shallbe made available for review upon the request of the DEQ, the EPA, the VESMP Authority, the VESCP Authority, local government officials or the operator of a municipalseparate storm sewer system (MS4) receiving discharge from the construction site.
- ✖ 5. For those land disturbing (construction) activities requiring coverage under the CGP, the VDOT RLD shallpost, or have posted, a copy of the CGP coverage letter and a copy of a completed LD-445A form, noting the name and contact information for the VDOT person responsible for the land disturbing (construction) activity and its SWPPP, outside the project's construction office along with other Federaland State mandated information. The copy of the notice of coverage letter shallbe visible such that it can be readily viewed from a public right-of-way. Where there is no construction office (e.g., a maintenance activity), the permit coverage letter and the LD-445A form are to be maintained with the other SWPPP documents for the land disturbing (construction) activity.
- The SWPPP shallbe made available for review by the public upon request. Such reviews shallbe at a time and publicly accessible location convenient to the public and shallbe scheduled during normalbusiness hours and no less than once per month.

SECTION V - POLLUTION PREVENTION PLAN

- The following non-stormwater discharges from this land disturbing (construction) activity and any support facilities covered by this permit are prohibited:
 - Wastewater from concrete washouts.
 - Wastewater from the washout or clean out of stucco, paint, from release oils, curing compounds and other construction materials.
 - Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
 - Oils, toxic substances or hazardous substances from spills or other releases.
 - Soaps, solvents or detergents used in equipment and vehicle washing.
 - There shallbe no discharge of floating solids or visible foam in other than trace amounts.
- The following non-stormwater discharges from this land disturbing (construction) activity and any support facilities are allowed when discharged in compliance with this CGP:
 - Discharges from emergency fire fighting activities.
 - Fire hydrant flushings managed to avoid an instream impact.
 - Waters used to wash vehicles or equipment, provided no soaps, solvents or detergents are used and the wash water is filtered, settled or similarly treated prior to discharge.
 - Water used to control dust that is filtered, settled or similarly treated prior to discharge.
 - Potable water including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
 - Routine external building wash down, provided no soaps, solvents or detergents are used, external building surfaces do not contain hazardous substances, and the wash water is filtered, settled or similarly treated prior to discharge.
 - Pavement wash waters, provided spills or leaks of toxic or hazardous materials have not occurred (unless all spilled or leaked materialis removed prior to washing), soaps, solvents or detergents are not used and the wash water is filtered, settled or similarly treated prior to discharge.
 - Uncontaminated air conditioning or compressor condensate.
 - Uncontaminated ground water or spring water.
 - Foundation or footing drains, provided flows are not contaminated with process materials such as solvents or contaminated groundwater.
 - Uncontaminated excavation dewatering, including dewatering trenches and excavations that are filtered, settled or similarly treated prior to discharge.
 - Landscape irrigation.
- ✖✖ 3. The contractor shalldevelop a Pollution Prevention Plan to address any operations that have a potential to generate a pollutant that may reasonably be expected to affect the quality of stormwater discharges from this land disturbance (construction) activity. The Pollution Prevention Plan shallbe developed in accordance with, but not limited to, Sections 106 and 107 of the VDOT Road and Bridge Specifications identified on the title sheet and shallinclude a narrative with appropriate plan detail and shall:
 - Identify the potentialpollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
 - Describe the location where the potentialpollutant-generating activities will occur, or if identified on the record set of plans, reference the record set of plans.
 - Identify all non-stormwater discharges, as described in note two of this section, that are or willbe commingled with stormwater discharges from the construction activity, including any on-site support activities.
 - Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practices for each pollutant-generating activity.

- Describe the pollution prevention practices and procedures that willbe implemented to:
 - Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107 of the VDOT Road and Bridge Specifications identified on the title sheet and the requirements within the CGP.
 - Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
 - Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
 - Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
 - Direct concrete wash water into a leakproof container or leakproof settling basin designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shallbe removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shallbe removed and disposed of in a manner consistent with the handling of other construction wash waters and shallnot be discharged to surface waters, disposed of through infiltration, or otherwise disposed of on the ground.
 - Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
 - Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
 - Address any other discharge from any potentialpollutant-generating activity not listed herein.
 - Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
 - Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.

✖ Denotes information that is to be provided/completed by the RLD.

✖✖ Denotes information that is to be provided/completed by the contractor.

Revised 7/25/24
SWPPP Sheet 3 of 3

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT	SHEET NO.
EN24-076-380	2D(3)

PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500 ---
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500 ---
SUBSURFACE UTILITY BY, DATE Accumark, Inc. 03/04/2025, (804)550-7740

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (4)

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2D(4)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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NECESSARY BY THE DEPARTMENT

SECTION VI - PERMANENT BMP INFORMATION △

✖ Denotes information that is to be completed by the RLD.
() See note referenced by number in parentheses.

Plan Sheet(s)	✖ Date BMP Made Functional	Type of BMP Installed (See Table A, C, or D)	Geographic Location (County or City)	Latitude/Longitude (1)		VA 6th Order HUC (7)	Receiving Water (2)	Name of Impaired Water (9)	Acres Treated Per BMP (3)			✖ BMP Maintenance ID Number (10)	BMP Maintenance and Inspection Manual (11)
				LAT	LONG				Impervious	Pervious	TOTAL		

ALTERNATIVE BMP INFORMATION

Plan Sheet(s)	Date	Type of BMP Installed (See Table B)	Geographic Location (County or City) (5)	Latitude/Longitude (1) (5)		VA 6th Order HUC (5) (7)	Receiving Water (2)	Name of Impaired Water (9)	Name of Nutrient Credit Generating Entity (6)	Nutrient Credits (lbs./TP./year) Acquired (6) (12)
				LAT	LONG					
									TBD	0.63

△ Any changes to the proposed SWM Plan or BMPs necessitated during the construction phase of the project that affects the proposed construction details or potentially affects the information shown in the BMP Tables A and/or B shall be coordinated by the VDOT RLD with the appropriate VDOT District Hydraulics Engineer. The construction plans and the BMP Tables A and/or B are to be formally revised to reflect any authorized/ approved changes to the proposed SWM Plan and/or the proposed BMP construction details. All plan revisions shall be completed in accordance with the Road Design Manual and the Construction Division IIM-CD-2013-12.01, signed and sealed in accordance with Department's sealing and signing policy IIM-LD-243 and filed with the construction record drawings maintained in the VDOT Central Office Plan File Room (ProjectWise). Prior to submitting for termination of coverage under the CGP, the RLD shall have the District Maintenance Division (Infrastructure Manager or Designee) along with the ACE, DHE, and the NPDES coordinator review the BMPs installed with the project for acceptance of maintenance responsibility and to obtain a Maintenance ID number for each BMP listed in BMP Table A. The RLD shall use the information in BMP Tables A and B along with the assigned Maintenance ID number and the date that the BMP became functional as a permanent control measure (for BMPs in Table A only) to complete the LD-445D form when certifying the construction of the BMPs and submitting for termination of coverage under the CGP.

Table A: Permanent BMP Types
(1999 Va. SWM Handbook)

Bio-retention Basin
Bio-retention Filter
Constructed Stormwater Wetlands
Extended Detention Basin
Extended Detention Basin Enhanced
Grassed Swale
Infiltration Basin
Infiltration Trench
Manufactured Treatment Device (MTD) (8)
Retention Basin I
Retention Basin II
Retention Basin III
Sand Filter
Vegetated Filter Strip
Other Approved Types (List Type)
Detention Basin

Table B: Alternative BMP Types
Comprehensive SWM Plan (Regional) Facility
Pollutant Loading Pro Rata Shore Program
Other Approved Options (List Type) (4)

Table C: Permanent BMP Types
(BMP Clearing House)

Sheet Flow to Vegetated Filter Strip (Level Spreader)
Grass Channel
Soil Compost Amendment
Permeable Pavement (Level 1)
Permeable Pavement (Level 2)
Infiltration Practice (Level 1)
Infiltration Practice (Level 2)
Bioretention (Level 1)
Bioretention (Level 2)
Dry Swale (Level 1)
Dry Swale (Level 2)
Wet Swale (Level 1)
Wet Swale (Level 2)
Filtering Practice (Level 1)
Filtering Practice (Level 2)
Constructed Wetlands (Level 1)
Constructed Wetlands (Level 2)
Extended Detention Pond (Level 1)
Extended Detention Pond (Level 2)
Wet Pond (Level 1)
Wet Pond (Level 2)
Manufactured Treatment Device (MTD) (8)
Other Approved Types (List Type)

*Table D: Permanent Post-Construction BMP Types
(Virginia Stormwater Management Handbook, Ver. 1.0)

Constructed Wetland
Wet Pond
Extended Detention Pond
Rainwater Harvesting
Grass Channel
Dry Swale
Wet Swale
Regenerative Stormwater Conveyance
Rooftop/Impervious Surface Disconnection
Vegetated Roof
Permeable Pavement
Infiltration Practices
Bioretention
Filtering Practices
Sheet Flow to Vegetated Filter Strip/ Conserved Open Space
Soil Compost Amendment
Tree Planting
Earthen Embankment
Principal Spillway
Vegetated Emergency Spillway
Pretreatment
Quantity-Only Approach to BMPs
MTD-H Hydrodynamic Devices
MTD-F Filtering Devices
MTD-B Biofilter Devices

*Designer may not mix methods from Tables A, B and C with methods from Table D.

- NOTES:
- (1) In decimal degrees to the nearest one ten-thousandth of a degree.
 - (2) For streams with no names, list "(Unnamed Tributary to downstream name)".
 - (3) Show acres treated to the nearest one hundredths acre.
 - (4) Include agreements with off-site BMP owners.
 - (5) Information pertains to the alternative BMP option location, where applicable.
Exception - Not required for nutrient credit purchase option.
 - (6) Applies to the purchase of nutrient credits only.
 - (7) Virginia 6th Order HUC (VAHU6) Example - Y030.
 - (8) Final approved shop drawings of Manufactured Treatment Devices (MTDs) are to be included with the BMP information submitted with the LD-445D form.
 - (9) List the name of any impaired water to which the BMP discharges. The determination of impaired water shall be based on those surface waters identified as impaired in the 2022 305(b)/303(d) Water Quality Assessment Integrated Report for Benthic Macroinvertebrates Bioassessments and shall be the first named waterbody to which the BMP discharges.
 - (10) BMP Maintenance ID Number is to be assigned by the District Maintenance Division at permit termination or project completion. This ID number shall be assigned prior to the permit close out process and entered by the area construction engineer under this column, per IIM-LD-195.

- (11) Provide the section of the manual that pertains to the type of BMP. The manual can be found at https://www.vdot.virginia.gov/media/vdotvirginiagov/doing-business/technical-guidance-and-support/technical-guidance-documents/maintenance/vdot--bmp--Manual_acc.pdf in the Maintenance selections. Example: Section 4 would be noted for the maintenance and inspection manual for a Bioretention Infiltration BMP.
- (12) Nutrient credits purchased to the nearest one hundredth pound.
- (13) If level spreader is utilized as part of sheet flow to vegetative filter strip, report under that BMP type Table C.
- (14) If several level spreaders are in close proximity, they may be combined for recording purposes; however each level spreader shall have individual lat/longs reported.

Revised 7/25/24
SWPPP Sheet 4 of 4

60% PLANS

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PROJECT	SHEET NO.
EN24-076-380	2D(4)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

SUMMARY OF QUANTITIES

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2F(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

- SURFACE QUANTITY INCLUDES 15' ENTRANCE TY.III SURFACE
- SIDEWALK SUBBASE QUANTITY INCLUDES 4' ENTRANCE TY.III SUBBASE

ROUTE 1131										
SHEET	PAVEMENT AREA	ROADWAY						CG-9D	CG-6	SIDEWALK
		SURFACE*	BASE	SUBBASE	OVERLAY/BUILDUP			SUBBASE	SUBBASE	SUBBASE*
		ASPHALT CONCRETE TY.SM-9.5A	ASPHALT CONCRETE TY.BM-25.0	AGGR.BASE MATL.TY J NO.2/B				AGGR.BASE MATL.TY J NO.2/B	AGGR.BASE MATL.TY J NO.2/B	
		1.5' DEPTH	6' DEPTH	8' DEPTH	PAVEMENT AREA	SURFACE	FLEXIBLE PAVEMENT PLANNING	8' DEPTH	8' DEPTH	4' DEPTH
						1.5' DEPTH				
	S.Y.	TON	TON	TON	S.Y.	TON	S.Y.	TON	TON	TON
3	69	5.7	22.8	31J	685	56.6	685	-	106.8	86.6
4	81	12	26.8	36.5	805	66.5	805	20.8	119.9	123.9
5	34	2.9	11.3	15.3	331	27.4	331	-	50J	68J
TOTAL	184	20.6	60.9	82.9	1,821	150.5	1,821	20.8	276.8	278.6

INCIDENTAL											
ITEM DESCRIPTION	CLEARING AND GRUBBING	SAW CUTTING	CURB,STD.CG-2	CURB,RADIAL CG-2	COMB.CURB & GUTTER,STD.CG-6	COMB.CURB & GUTTER,RAD.CG-6	ENTRANCE GUTTER CG-9D	CG-12 DETECABLE WARNING SURFACE	HYDR.CEMENT CONC.SIDEWALK 4'	DEMO OF PAVEMENT FLEXIBLE	MOBILIZATION
ITEM NO.	301SD20-0002	412SD20-0044	502SD20-0011	502SD20-0018	502SD20-0022	502SD20-0023	502SD20-0029	504SD20-0002	504SD20-0003	504SD20-0004	513SD20-0001
UNIT	ACRE	LF	LF	LF	LF	LF	SY	SY	SY	SY	LS
SHEET NO.											
3	0.2	620	66	39	201	409	-	3.5	345	69	-
4	0.3	727	-	-	221	464	42		394	81	-
5	0.05	301	60	41	143	154	-	2.5	293	34	
TOTAL	0.55	1648	126	80	565	1027	42	6	1032	184	1

MAINTENANCE OF TRAFFIC				
ITEM DESCRIPTION	TEMPORARY SIGN	GROUP 2 CHANNELIZING DEVICE	FLAGGER SERVICE	PORTABLE TEMPORARY RUMBLE STRIP ARRAY
ITEM NO.	512SD20-0014	512SD20-0024	512SD20-0027	512SP20-0001
UNIT	SF	DAY	HR	DAY
SHEET NO.				
PHASE I	322	5320	3192	399
TOTAL	322	5320	3192	399

- ⊗ Denotes Item(s) to be paid for on the basis of plan quantities in accordance with the applicable provisions of the current VDOT Road and Bridge Specifications.
- ① Cut quantity shown does not include the material removed as Demolition of Pavement.
- ② Quantity shown for use in Grading Diagram only. See other Summaries for pay item(s).
- ③ Included in Total Regular Excavation.
- ④ Included in Roadway Cut quantity.
- ⑤ Quantities for Temporary Sediment Basins and Temporary Sediment Traps are included with the Stormwater Management Basin quantities.
- ⑥ Denotes pay item.
- ⑦ Included in total fill quantity.
- ⑧ This quantity comes from the computer listings and/or manual cross-sections and may be adjusted for other quantities.
- ⑨ Volumes obtained for Cut Ditches and Fill Ditches not included in computer listings.
- ⑩ Includes settlement of in-place soil.

Location	⊗ Roadway Cut ① ⑧	Root Mat In Cut Sections	Root Mat In Fill Sections	⊗ ④ Cut - Ditches	⑨ Fill - Ditches	Unsuitable Material		⑩ Roadway Fill	Entrances		Total Regular Excavation	Total Fill	② Demolition of Pavement	② Minor Structure Excavation	⑤ Stormwater Management Basins	②	⑥ Borrow (Embankment)
	C. Y.	C. Y.	C. Y.	C. Y.	C. Y.	Below Subgrade	Above Subgrade	C. Y.	Cut	Fill	C. Y.	C. Y.	C. Y.	C. Y.	C. Y.	C. Y.	C. Y.
						C. Y.	C. Y.		C. Y.	C. Y.			C. Y.	C. Y.	C. Y.	C. Y.	
ROUTE 1131	1188	727	1713	N/A	N/A	501	758	1759	N/A	N/A	3402	3973	N/A	N/A	N/A	N/A	4270
FORMULAS	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	③	④	③ ⑦	③	⑦	③ ⑦	④	⑦	③	⑦						⑦	

NOTE: DITCH AND ENTRANCE EARTHWORK INCLUDED IN ROADWAY CUT AND FILL QUANTITIES

60% PLANS

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PROJECT	SHEET NO.
EN24-076-380	2F(1)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500* ---
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740* ---

STRUCTURE	STORM SEWER PIPE				END WALL		DROP INLETS - LENGTH, TYPE AND NUMBER				MANHOLE		UNDERDRAIN		REMARKS
					EW-1	EW-6									
	15"	36"	MINOR STR. EXCAV. PIPE CULVERT	POST. INSTALLATION INSPECTION	15"	36"	DROP INLET DI-3A	DROP INLET DI-5B L = 6'	DROP INLET DI-5B L = 8'	DROP INLET DI-3C L = 6'	MH-1 or 2	FRAME & COVER MH-1	UD-4 (PERFORATED)	OUTLET PIPE	
	LF	LF	CY	LF	EA	EA	EA	EA	EA	EA	LF	EA	LF	LF	
3-1								1					500	1	CONNECT TO UD
3-1 TO E001	52			52											CONNECT TO EX.CDI E001
4-2										1			82	2	CONNECT TO UD
4-2 TO 3-2	48			48											
3-2							1						28	1	IS-1 REQ. CONNECT TO UD
3-2 TO 3-3	27			27											
3-3					1										
C4-1		104	125	104		2									
5-1								1					130	1	CONNECT TO UD
5-1 TO 4-10	123			123											
4-10										4	1				IS-1 REQ.
4-10 TO 4-9	159			159											
4-9										5.4	1				IS-1 REQ.
4-9 TO 4-8	147			147											
4-8								1					441	1	IS-1 REQ. CONNECT TO UD
4-8 TO 4-7	51			51											
4-7										6.2	1				IS-1 REQ.
4-7 TO 4-11	49			49											
4-11										6.6	1				IS-1 REQ.
4-11 TO 4-6	125			125											
4-6										9.2	1				IS-1 REQ.
4-6 TO 4-5	94			94											
4-5								1					329	1	IS-1 REQ. CONNECT TO UD
4-5 TO 4-4	27			27											
4-4					1										
TOTAL	902	104	125	1006	2	2	1	2	2	1	31.4	5	1510	7	

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2F(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		

EROSION AND SEDIMENT CONTROL SUMMARY																
ITEM NO.	SHEET NUMBER	ROLLED EROSION CONTROL PRODUCT (RECP), PERMANENT ST'D. EC-2/3		ROCK CHECK DAMS ST'D. EC-4		TEMPORARY SILT FENCE ST'D. EC-5		INLET PROTECTION ST'D. EC-6			TEMPORARY DIVERSION DIKE (ST'D. EC-9)	EROS. CONTROL STONE CLASS A/EC-1	EROS. CONTROL STONE CLASS I/EC-1	SILTATION CONTROL EXCAVATION	STABILIZED CONSTRUCTION ENTRANCE (EC-1)	SAFETY FENCE
		RECP ST'D. EC-2 TY.4	RECP ST'D. EC-3 TY.1	CHECK DAM. ROCK TY.1	CHECK DAM. ROCK TY.2	TEMP. SILT FENCE TY. A	TEMP. SILT FENCE TY. B	INLET PROTECTION TYPE A	INLET PROTECTION TYPE B	INLET PROTECTION TYPE C						
		606SD20-0004	606SD20-0005	303SD20-0022	303SD20-0023	303SD20-0034	303SD20-0033	303SD20-0030	303SD20-0031		303SD20-0021	414SD20-0001	414SD20-0003	303SD20-0029		507SD20-0002
UNIT		SY	SY	EA	EA	LF	LF	EA	EA	EA	LF	TON	TON	CY	EA	LF
PHASE 1	3B(1)		532	1		507			1	1	10			97		554
	4B(1)		252	1	12	322				1	47		43.7	64	1	739
	5B(1)				5				1					7		510
SUBTOTAL			784	2	17	829			2	2	57		43.7	168	1	1804
PHASE 2	3B(2)											1.7				
	4B(2)	1675	1600	1	20									11		
	5B(2)	1105			7				1					7		
SUBTOTAL		2780	1600	1	27				1			1.7		18		
TOTAL		2780	2384	3	44				3	2	57	1.7	43.7	186	1	1804

* Not a Pay Item

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT
EN24-076-380

SHEET NO.
2F(2)

PROJECT MANAGER *Ramli Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500* -----
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

EROSION AND SEDIMENT CONTROL GENERAL NOTES & NARRATIVE

PROJECT DESCRIPTION

THE PROJECT ADDS A 5' SIDEWALK ON LIONS FIELD ROAD, FROM THE INTERSECTION WITH FULLER HEIGHTS ROAD TO THE DRIVEWAY ENTRANCE OF TRIANGLE ELEMENTARY SCHOOL. THE APPROXIMATE LENGTH OF THE PROJECT IS 1800 FEET. A NEW CROSSWALK WILL BE CONSTRUCTED TO SPAN THE DRIVEWAY ENTRANCE OF THE SCHOOL. THE PURPOSE IS TO EXTEND THE EXISTING PEDESTRIAN FACILITY ALONG LIONS FIELD ROAD TO IMPROVE PEDESTRIAN ACCESS TO THE SCHOOL.

THIS EROSION AND SEDIMENT CONTROL PLAN IS COORDINATED WITH THE CONSTRUCTION OF THE SIDEWALK. THE TOTAL DISTURBED AREA IS APPROXIMATELY 1.45 ACRES.

SITE CONDITIONS & ADJACENT AREAS

CURRENTLY, LIONS FIELD ROAD IS LINED WITH MATURE FORESTED AREAS WITH A FEW RESIDENTIAL LOTS ALONG THE NORTH SIDE OF THE ROAD. THERE IS AN EXISTING 54" REINFORCED CONCRETE PIPE THAT FLOWS SOUTH UNDER LIONS FIELD ROAD THROUGH AN 18" DOUBLE BARREL CULVERT AND INTO A STREAM. THIS STRUCTURE IS LOCATED ROUGHLY 600' FROM THE FULLER HEIGHTS INTERSECTION.

SOILS

A SOILS MAP WITH HYDROLOGIC SOIL GROUP (HSG) DATA IS PROVIDED ON THE WATER QUALITY MAPS IN THE DRAINAGE AND STORMWATER REPORT.

TEMPORARY AND PERMANENT SEEDING

THE PROJECT SHALL BE STABILIZED AFTER CONSTRUCTION BY PROVIDING PERMANENT SEEDING. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADING IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN DAYS. PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN SIX MONTHS. FOR WINTER STABILIZATION, ANY AREA DENUDED FOR MORE THAN FOURTEEN DAYS AFTER NOVEMBER 1ST AND BEFORE MARCH 1ST SHALL BE MULCHED AND SEEDED APPROPRIATE TO THE SEASON AND SITE CONDITIONS. PREPARATION OF AREA FOR PERMANENT STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK FOR CONSTRUCTION BMPs.

OFF-SITE AREAS

AT THE TIME OF PLAN PREPARATION, NO OFF-SITE FOR BORROW OR WASTE MATERIAL WERE IDENTIFIED OR CONSIDERED NECESSARY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SURE THESE SITES (IF NEEDED) CONFORM TO ALL PERTINENT CURRENT VIRGINIA CODES AND STANDARDS, AND THE PROPER PERMITS HAVE BEEN OBTAINED.

CRITICAL AREAS

NO AREAS WITHIN THE PROJECT LIMITS IS CATEGORIZED AS CRITICAL.

STORMWATER RUNOFF CONSIDERATIONS

THE PROJECT RUNOFF FLOWS TO TWO OUTFALL LOCATIONS WHICH HAVE BEEN ANALYZED FOR ADEQUACY REGARDING CHANNEL AND FLOOD PROTECTION. THERE ARE NO STORMWATER FACILITIES LOCATED IN THE PROJECT AREA. THE RUNOFF FROM THE PROJECT IS CONVEYED TO THE OUTFALL LOCATIONS VIA PROPOSED CURB & GUTTER AND DOUBLE BARREL 36" CULVERT. THE STREAM DOWNSTREAM OF THE CULVERT WILL BE RELOCATED TO ALIGN WITH THE PROPOSED DESIGN. THE OUTFALL CALCULATIONS SHOWING ADEQUACY OF OUTFALLS ARE PROVIDED IN THE DRAINAGE AND STORMWATER REPORT.

CALCULATIONS

SEE DRAINAGE AND STORMWATER REPORT FOR CALCULATIONS.

MAINTENANCE PROGRAM

THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF ALL CONSTRUCTION BMPs AND NEWLY STABILIZED AREAS (I.E. SEEDED AND MULCHED, OR SODDED AREAS) ON A DAILY BASIS AND AFTER EACH RAINFALL EVENT TO ENSURE THAT ALL CONSTRUCTION BMPs ARE FUNCTIONING PROPERLY. THE FOLLOWING ITEMS WILL BE CHECKED REGULARLY. IN PARTICULAR, THE SILT FENCE BARRIER WILL BE CHECKED FOR UNDERMINING, COLLAPSE, OR DETERIORATION OF THE FABRIC. THE SEEDED AREAS WILL BE CHECKED TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. ANY DENUDED AREAS SHALL BE RE-SEEDED, MULCHED, AND FERTILIZED AS REQUIRED. ANY DAMAGED BMP SHALL BE REPAIRED BY THE END OF THE WORK DAY, INCLUDING RE-SEEDING AND MULCHING IF NECESSARY. THE CONTRACTOR MAY INSTALL ADDITIONAL MEASURES AS DEEMED NECESSARY AND AT THE APPROVAL OF THE PROJECT'S ESC INSPECTOR.

EROSION & SEDIMENT CONTROL MEASURES

ALL VEGETATIVE AND OTHER CONSTRUCTION BMPs SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS DETAILED IN THE VIRGINIA STORMWATER HANDBOOK v.1J, AND SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

CONSTRUCTION SEQUENCE

THE CONTRACTOR MUST FIRST ESTABLISH ALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING. THE CONTRACTOR WILL INSTALL CONSTRUCTION BMPs AS SHOWN IN PHASE 1 PLANS ON SHEETS 3B(1), 4B(1), AND 5B(1) AND TRANSITION TO BMP INSTALLATIONS AS CONSTRUCTION PROGRESSES IN PHASE 2 PLANS ON SHEETS 3B(2), 4B(2), AND 5B(2). THE CONTRACTOR SHALL CONTINUE TO MAINTAIN ALL PHASE 1 CONTROLS AS DEEMED NECESSARY BY PROJECT INSPECTOR AND ENGINEER.

THE PROJECT'S ESC INSPECTOR SHALL HAVE AUTHORITY TO ADD OR DELETE CONSTRUCTION BMPs AS NEEDED IN THE FIELD AS SITE CONDITIONS WARRANT PER VDOT AND PWC STANDARDS. IN ADDITION, SEDIMENT CONTROLS MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE PROJECT'S ESC INSPECTOR, AND COORDINATION WITH THE ENGINEER AS NECESSARY.

- PHASE 1:
- HOLD PRECONSTRUCTION MEETING WITH APPLICABLE PRINCE WILLIAM COUNTY STAFF, CONTRACTOR, PROJECT INSPECTION STAFF, AND ENGINEER OF RECORD.
 - PLACE CONSTRUCTION ENTRANCES AS SHOWN ON THE PLANS BUT DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING ANY PERMANENT CONSTRUCTION OR EARTH MOVING ACTIVITIES.
 - INSTALL SILT FENCE, OTHER PERIMETER CONTROLS, INLET PROTECTION, AND ROCK CHECK DAMS SHOWN IN PHASE 1 PLANS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - SITE INSPECTOR APPROVAL MUST BE OBTAINED AFTER ALL E&S CONTROLS HAVE BEEN INSTALLED PRIOR TO FURTHER LAND DISTURBANCE OR CONSTRUCTION.
 - PERFORM CLEARING AND GRUBBING.

- PHASE 2:
- PERIMETER CONTROLS AND INLET PROTECTION PLACED IN PHASE 1 SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. INSTALL A DIVERSION DIKE IN PLACE OF THE ROCK CHECK DAMS AS SHOWN IN PHASE 2 PLANS PRIOR TO SIDEWALK CONSTRUCTION.
 - CONSTRUCT PROPOSED DRAINAGE STRUCTURES FIRST AS SHOWN IN PLANS TO ENSURE POSITIVE DRAINAGE AND ADEQUATE CONVEYANCE OF STORMWATER WITHIN THE PROJECT SITE.
 - INSTALL ANY ADDITIONAL SILT FENCE AND INLET PROTECTION AS SHOWN IN PHASE 2 PLANS OR AS DEEMED NECESSARY BY THE SITE INSPECTOR.
 - AFTER ACHIEVING ADEQUATE SITE STABILIZATION, ALL CONSTRUCTION BMPs SHALL BE REMOVED AND THE SURROUNDING AREAS CLEANED AND ESTABLISHED TO THE SATISFACTION OF THE INSPECTOR. ANY AREAS IMPACTED BY EROSION CONTROL MEASURES SHALL BE RESTORED TO THEIR ORIGINAL STATE.

CONSTRUCTION BMPs

Silt Fence C-PCM-04

SILT FENCE SHALL BE USED TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED AREAS OF LIMITED EXTENT IN ORDER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE AND TO DECREASE THE VELOCITY OF SHEET FLOW. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS REQUIRED SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSIT SHOULD BE REMOVED AFTER EACH STORM EVENT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROX. ONE-HALF THE HEIGHT OF THE BARRIER.

Inlet Protection C-SCM-04

INLET PROTECTION SHALL BE USED TO PREVENT SITE GENERATED SEDIMENT FROM ENTERING STORM DRAIN SYSTEMS AND CULVERTS PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO IT'S ORIGINAL DIMENSIONS. WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE CONTROL, REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE. (PER VDOT ST'D. EC-6 Typ. A, B & C)

CONSTRUCTION BMPs - Cont'd

Outlet Protection C-ECM-15

SILT FENCE SHALL BE USED TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED AREAS OF LIMITED EXTENT IN ORDER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE AND TO DECREASE THE VELOCITY OF SHEET FLOW. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSIT SHOULD BE REMOVED AFTER EACH STORM EVENT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROX. ONE-HALF THE HEIGHT OF THE BARRIER.

Rip Rap C-ECM-13

RIP RAP SHALL BE USED TO PROTECT THE SOIL FROM EROSION FORCES OF CONCENTRATED RUNOFF. TO SLOW THE VELOCITY OF CONCENTRATED RUNOFF WHILE ENHANCING THE POTENTIAL FOR INFILTRATION, AND TO STABILIZE SLOPES WITH SEEPAGE PROBLEMS AND/OR NON-COHESIVE SOILS. RIP RAP SHOULD REQUIRE VERY LITTLE MAINTENANCE IF INSTALLED PROPERLY.

Rock Check Dams C-SCM-07

ROCK CHECK DAMS SHALL BE USED TO REDUCE THE VELOCITY OF CONCENTRATED FLOWS, THEREBY REDUCING EROSION OF THE SWALE OR DITCH. THIS PRACTICE ALSO TRAPS SEDIMENT GENERATED FROM THE SITE AND OTHER ADJACENT AREAS OR THE DITCH ITSELF, MAINLY BY PONDING OF STORMWATER RUNOFF. CHECK DAMS SHOULD BE CHECKED FOR SEDIMENT ACCUMULATION AFTER EACH RUNOFF PRODUCING STORM EVENT. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES ONE HALF OF THE ORIGINAL HEIGHT OF THE CONTROL. (PER VDOT ST'D. EC-4)

Temporary Seeding C-SSM-09

TEMPORARY SEEDING SHALL BE USED TO REDUCE EROSION AND SEDIMENT BY STABILIZING DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN FOURTEEN (14) DAYS.

Permanent Seeding C-SSM-10

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISHED GRADING. SEEDING SHALL BE DONE ACCORDING TO THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK (VSMH v.1J).

Dust Control C-SCM-01

DUST CONTROL SHALL BE USED TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM TO ANIMAL LIFE.

GENERAL ESC NOTES

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK AND VIRGINIA EROSION AND STORMWATER MANAGEMENT PROGRAM REGULATION 9VAC25-875.
- THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. ONE WEEK PRIOR TO THE COMMENCEMENT OF THE LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.

GENERAL ESC NOTES - Cont'd

- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFFSITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAIN EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- THE PROJECT'S ESC INSPECTOR HAS THE AUTHORITY TO ADD OR DELETE EROSION AND SEDIMENT CONTROL MEASURES AS SITE CONDITIONS WARRANT.

THIS EROSION & SEDIMENT CONTROL PLAN IS CONSISTENT WITH THE FOLLOWING MINIMUM STANDARDS:

MS-1 STABILIZATION: ALL DENUDED AREAS REQUIRING TEMPORARY OR PERMANENT STABILIZATION SHALL BE STABILIZED.

MS-2 STOCKPILES, WASTE, AND BORROW AREAS: ALL STOCKPILES SHALL BE STABILIZED WITH SEEDING AND/OR CONTROLLED WITH SEDIMENT TRAPPING MEASURES.

MS-3 PERMANENT VEGETATION: PERMANENT VEGETATION SHALL PROVIDE ADEQUATE STABILIZATION

MS-4 FIRST-STEP MEASURES: SEDIMENT TRAPPING FACILITIES SHALL BE CONSTRUCTED AS A FIRST STEP IN LAND DISTURBING ACTIVITIES.

MS-5 EARTHEN STRUCTURE STABILIZATION: STABILIZATION MEASURES TO BE APPLIED TO EARTHEN STRUCTURES IMMEDIATELY AFTER INSTALLATION.

MS-6 TRAPS AND BASINS: NOT APPLICABLE TO THIS PROJECT

MS-7 CUT AND FILL SLOPES: FINISHED CUT AND FILL SLOPES SHALL BE ADEQUATELY STABILIZED.

MS-8 CONCENTRATED RUNOFF: CONCENTRATED RUNOFF ON CUT AND FILL SLOPES SHALL BE CONCENTRATED WITHIN A TEMPORARY OR PERMANENT CHANNEL, FLUME, OR SLOPE DRAIN STRUCTURE

MS-9 WATER SEEPS: ADEQUATE DRAINAGE OR PROTECTION SHALL BE PROVIDED IF WATER SEEPS FROM A SLOPE FACE.

MS-10 INLET PROTECTION: ALL OPERATIONAL STORM SEWER INLETS SHALL HAVE ADEQUATE INLET PROTECTION.

MS-11 OUTLET PROTECTION: OUTLET PROTECTION SHALL BE INSTALLED BEFORE NEW CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPE ARE MADE OPERATIONAL.

MS-12 WATERCOURSE CONSTRUCTION: NOT APPLICABLE TO THIS PROJECT

MS-13 TEMPORARY VEHICULAR STREAM CROSSING: NOT APPLICABLE

MS-14 OTHER WATERCOURSE REGULATIONS: NOT APPLICABLE

MS-15 STREAM BED AND BANK STABILIZATION: NOT APPLICABLE

MS-16 UTILITY CONSTRUCTION: WHERE APPLICABLE, UTILITY TRENCHES SHALL BE STABILIZED PROPERLY

MS-17 VEHICULAR TRACKING AND CONSTRUCTION ENTRANCES: SOIL AND MUD MUST BE KEPT OFF PUBLIC ROADWAYS AND TRAIL AT INTERSECTIONS WITH SITE ACCESS ROADS.

MS-18 TEMPORARY CONTROL REMOVAL: TEMPORARY CONTROL STRUCTURES SHALL BE REMOVED WHEN NO LONGER NEEDED.

MS-19 ADEQUATE STORMWATER CONVEYANCE TO ADEQUATE SWM OUTFALL DOWNSTREAM CHANNELS FROM DEVELOPMENT SHALL BE ADEQUATELY PROTECTED FROM EROSION AND SEDIMENT DEPOSITION.

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2G

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

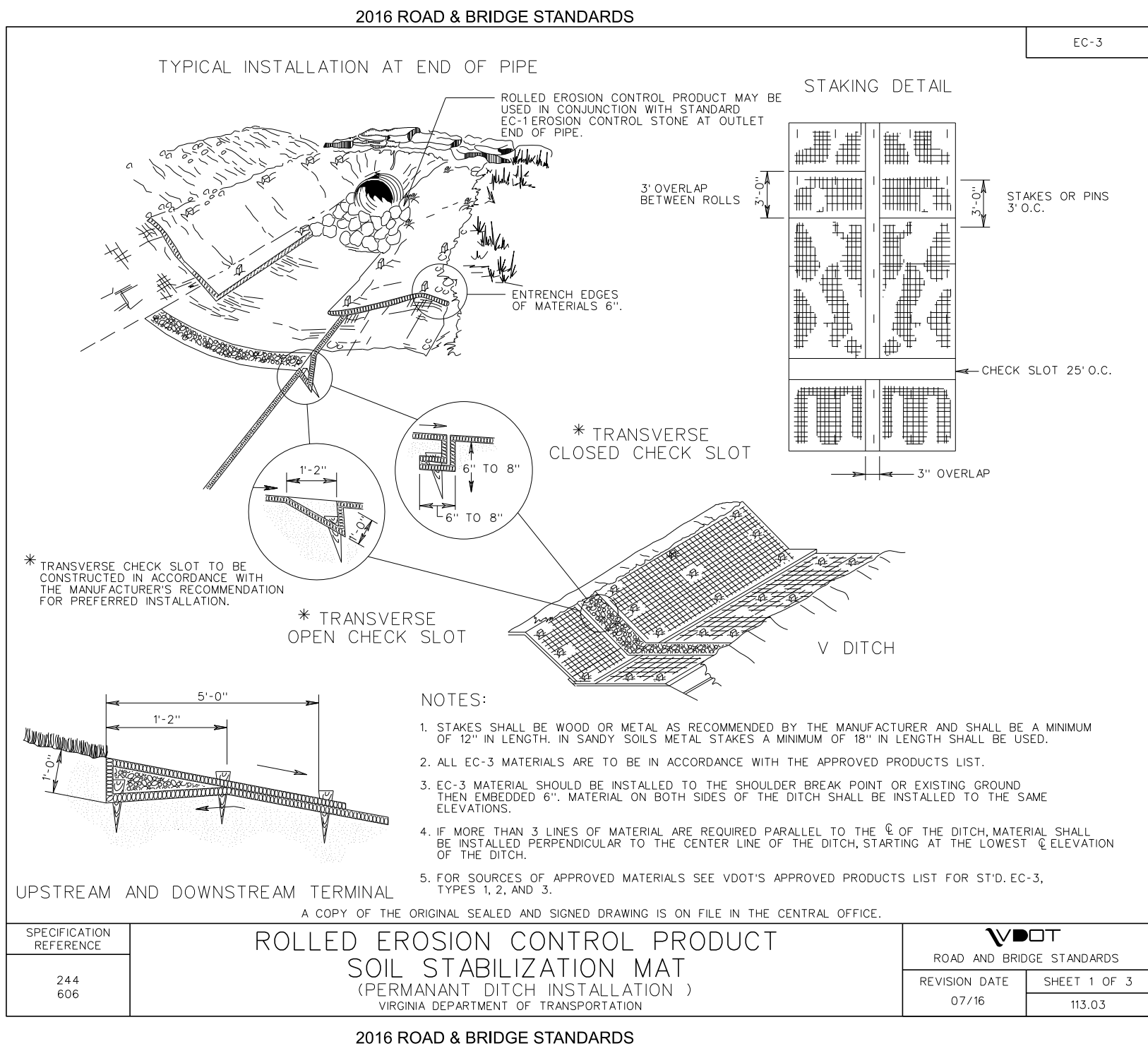
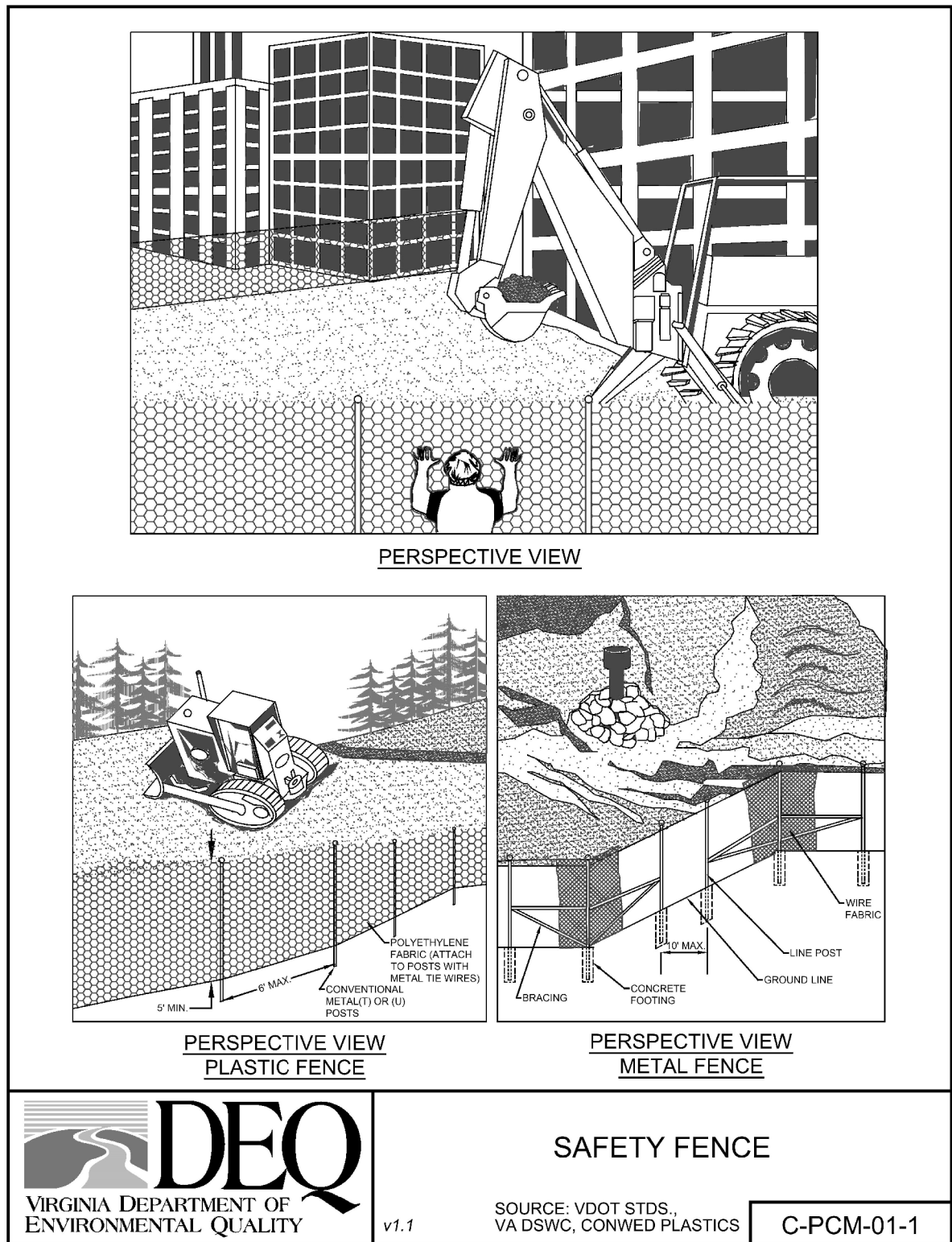
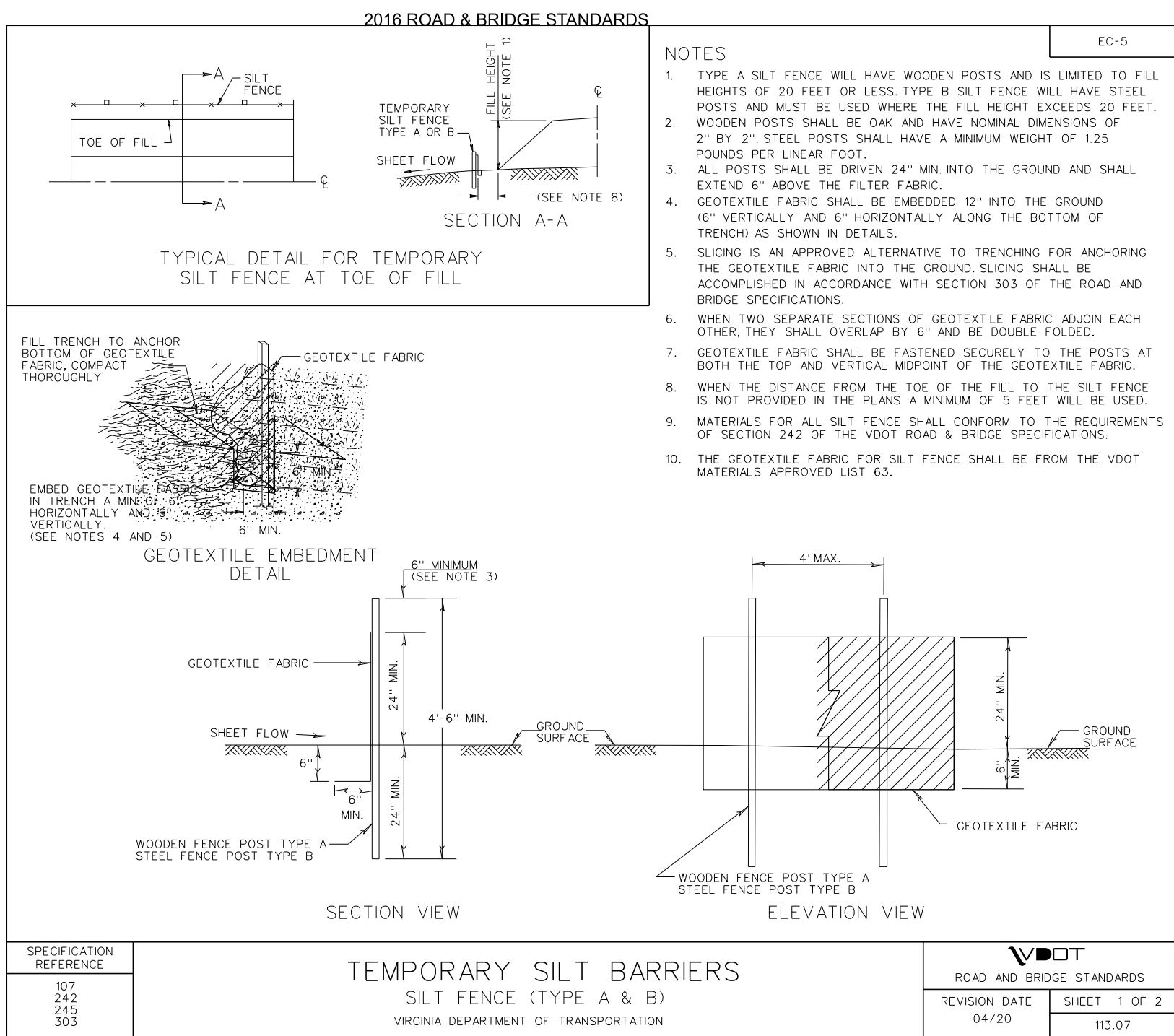
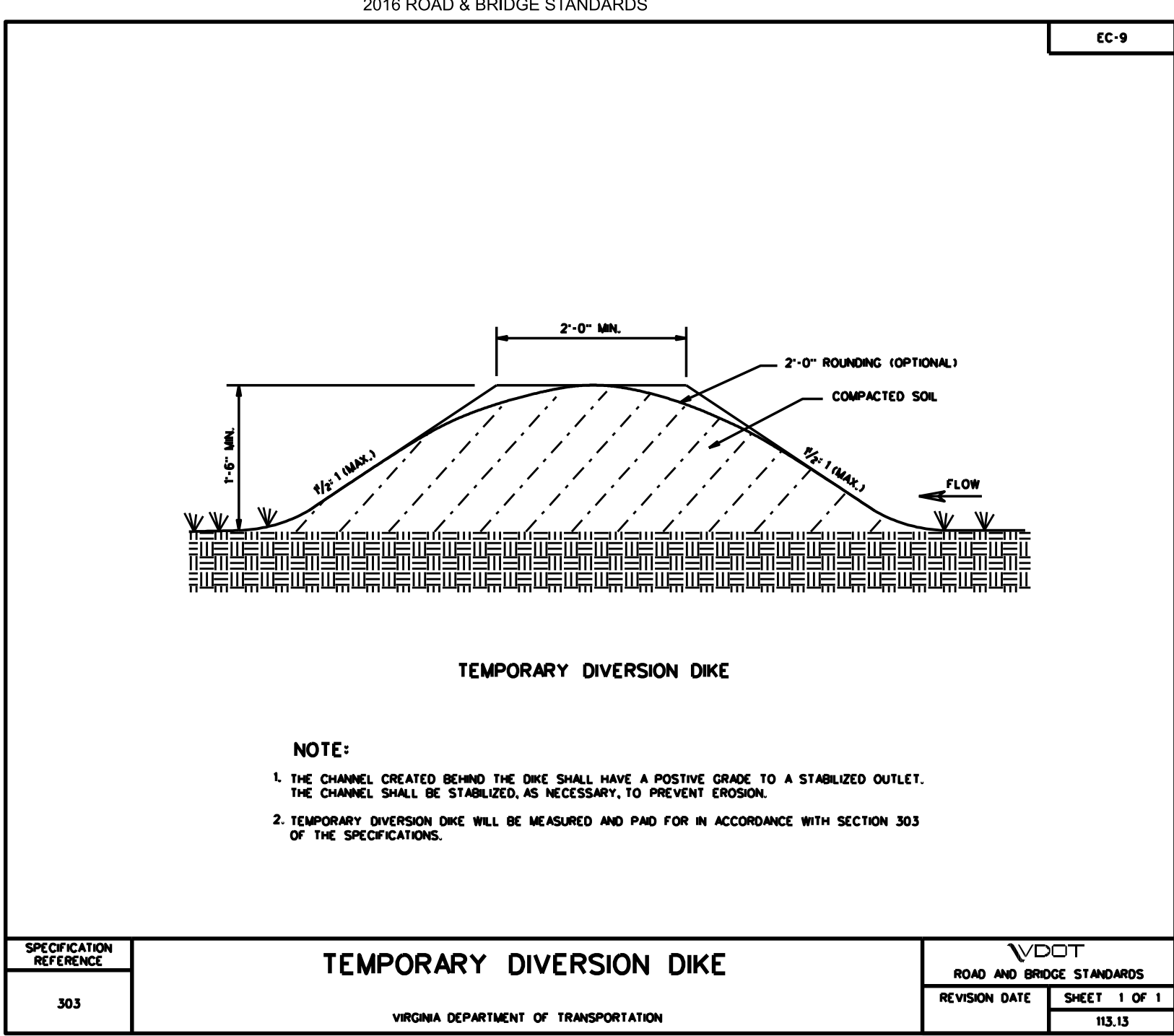
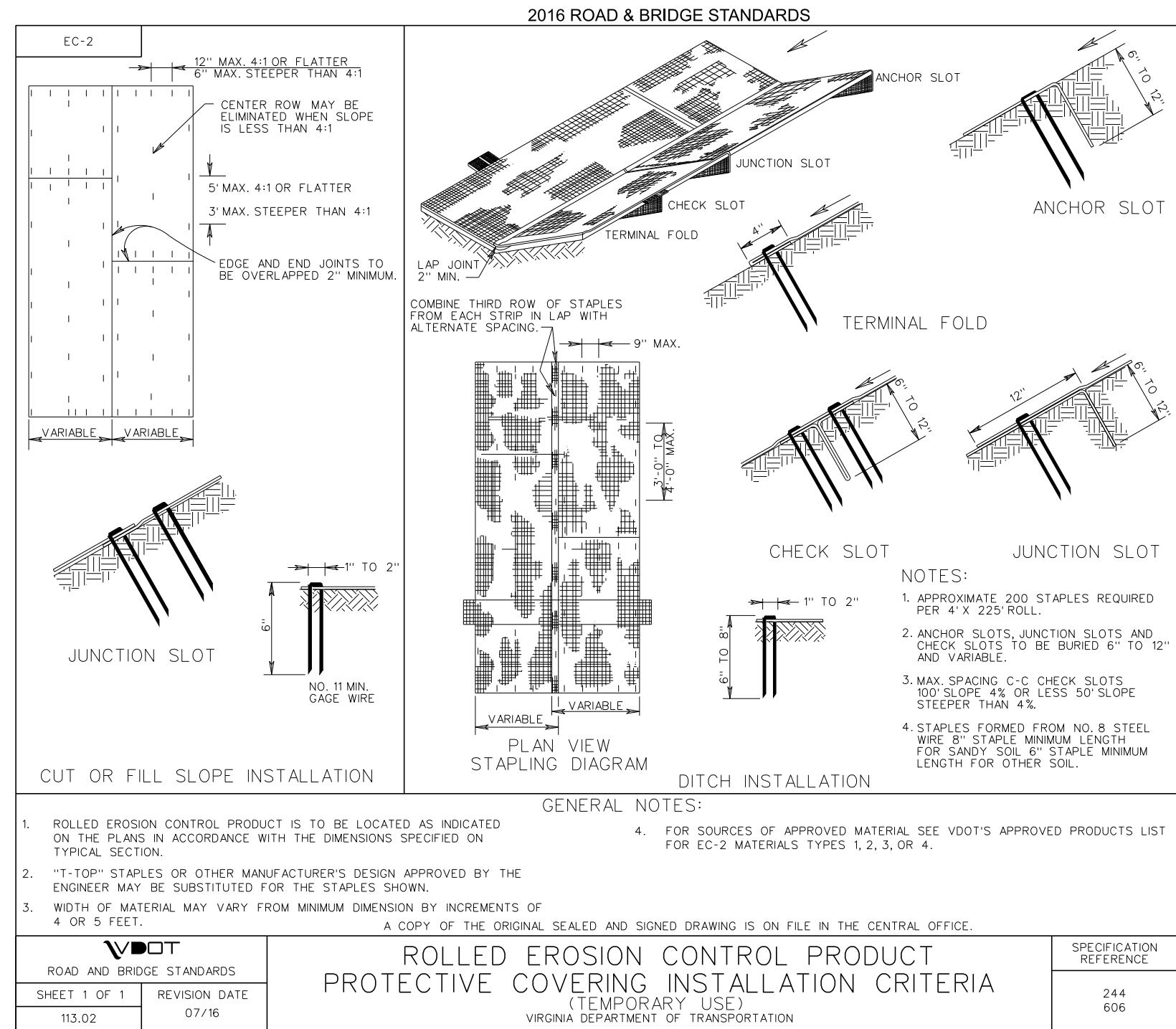
PROJECT		SHEET NO.
EN24-076-380		2G

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

EROSION & SEDIMENT CONTROL DETAILS SHEET (1)

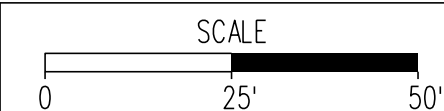
REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2H(1)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



60% PLANS

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PROJECT
EN24-076-380

SHEET NO.
2H(1)

EROSION & SEDIMENT CONTROL DETAILS SHEET (2)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT



60% PLANS

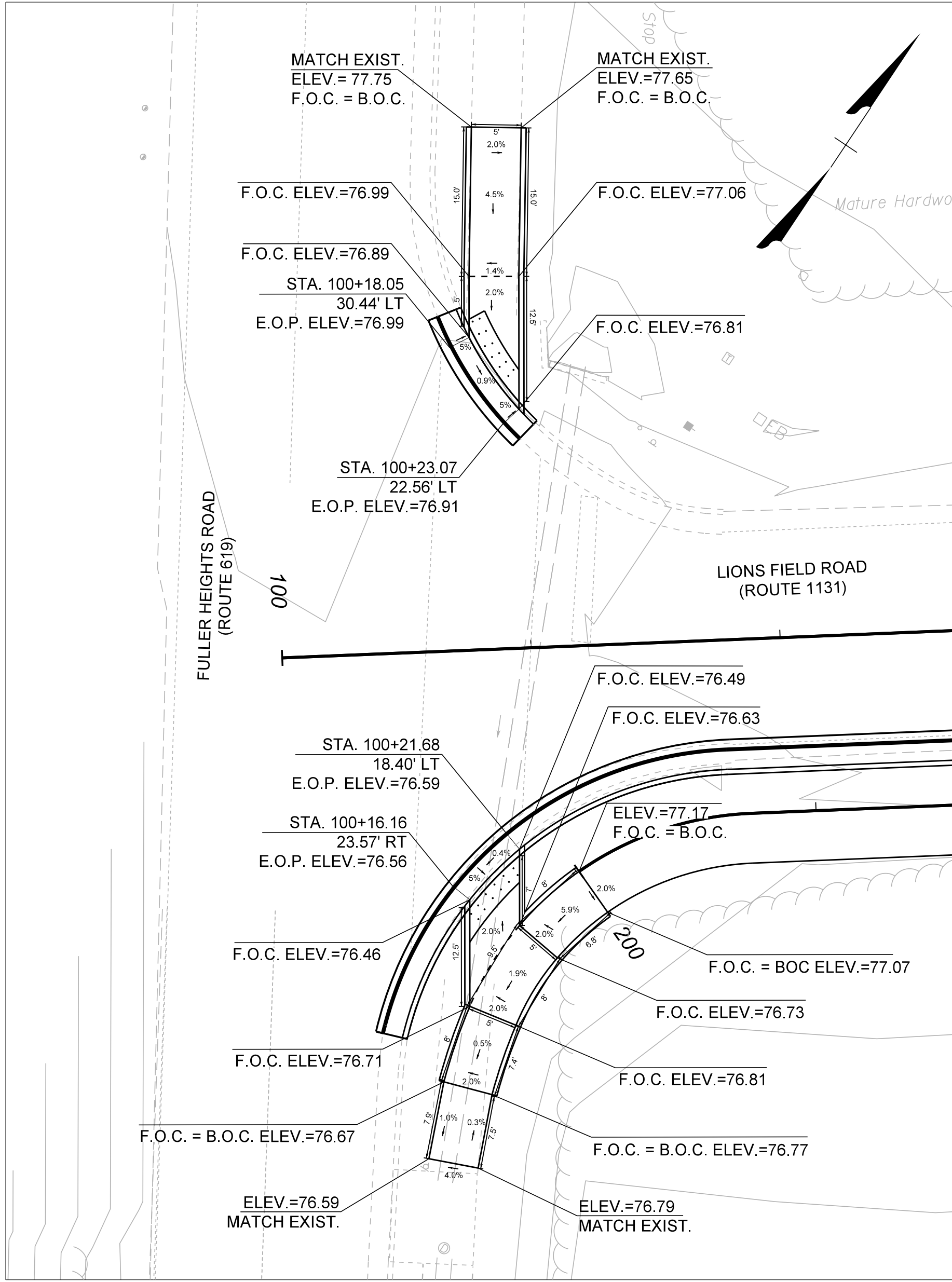
A horizontal scale bar with the word "SCALE" centered above it. Below the bar, there are three tick marks labeled "0", "25'", and "50'". The bar is divided into two sections: the first section from 0 to 25' is white, and the second section from 25' to 50' is black.

SHEET NO.
2H(2)

PROJECT MANAGER *Ramli Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

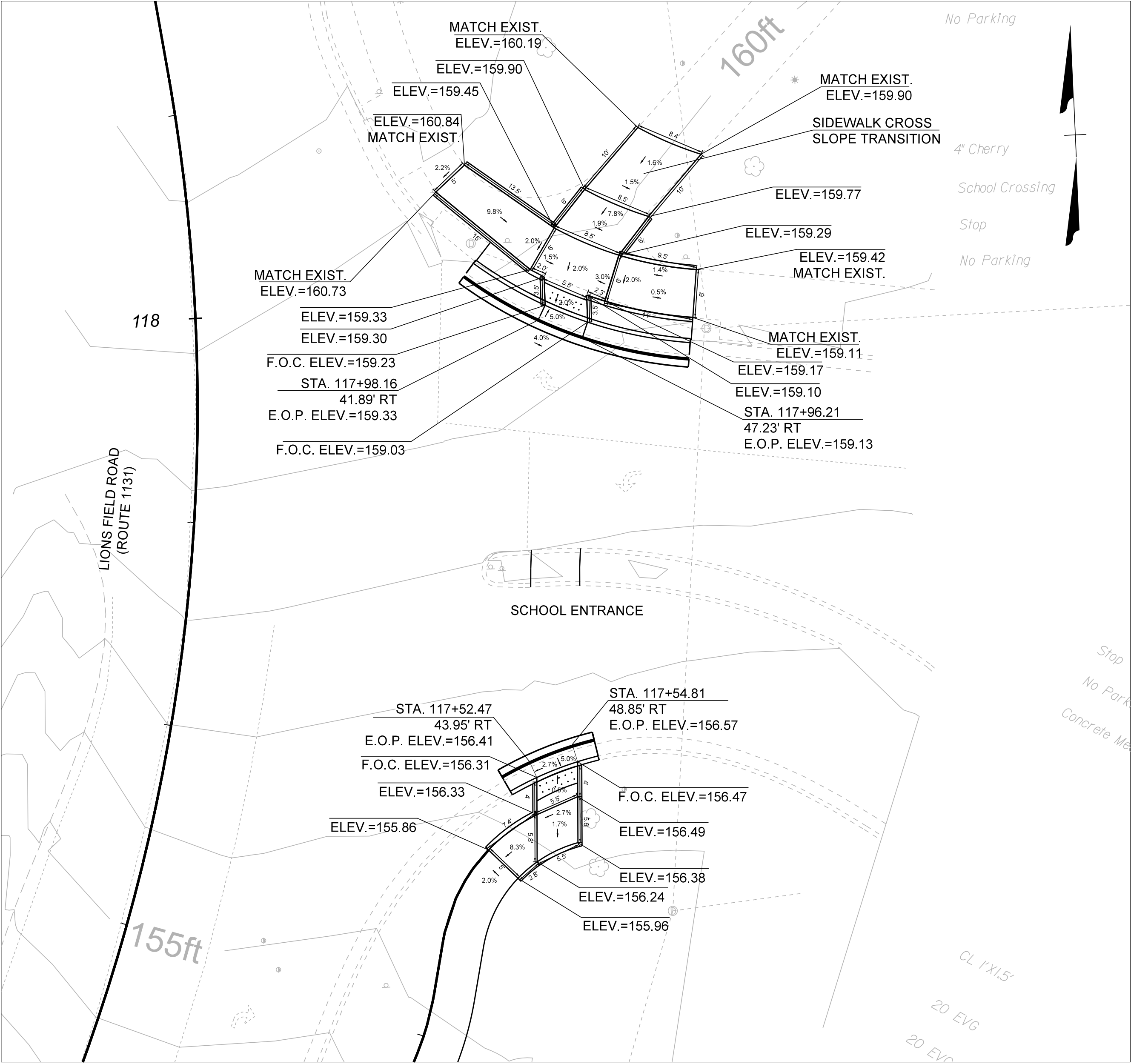
CURB RAMP DETAIL

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	2J
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA ROADWAY ENGINEER				



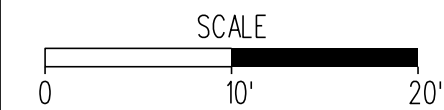
STA/OFFSET SHOWN FROM LIONS FIELD ROAD (RTE. 1131) CONST. 0

E.O.P. = EDGE OF PAVEMENT
F.O.C. = FACE OF CURB (FLOW LINE)
B.O.C. = BACK OF CURB



60% PLANS

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PROJECT
EN24-076-380

SHEET NO.
2J

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

SEE SHEET 1H FOR UTILITY OWNER INFORMATION

- (C1) PI = 102+18.96
DELTA = 01°46'24.07" (RT)
D = 00°57'32"
T = 92.47'
L = 184.93'
R = 5,975.00'
PC = 101+26.49
PT = 103+11.42
e = Match Exist.
V = 25 MPH
- (C2) PI = 104+21.24
DELTA = 02°18'20.39" (RT)
D = 03°56'16"
T = 29.28'
L = 58.55'
R = 1,455.00'
PC = 103+91.96
PT = 104+50.51
e = Match Exist.
V = 25 MPH
- (C3) PI = 105+20.07
DELTA = 09°01'34.59" (RT)
D = 14°23'45"
T = 31.42'
L = 62.70'
R = 398.00'
PC = 104+88.65
PT = 105+51.35
e = Match Exist.
V = 25 MPH
- (U) PI = 200+09.48
DELTA = 32°43'52.62" (RT)
D = 177°24'59"
T = 9.48'
L = 18.45'
R = 32.29'
PC = 200+00.00
PT = 200+18.45
- (L2) PI = 202+67.31
DELTA = 00°18'04.69" (RT)
D = 00°57'42"
T = 15.66'
L = 31.33'
R = 5,957.50'
PC = 202+51.65
PT = 202+82.98
- (L3) PI = 203+92.45
DELTA = 02°18'20.39" (RT)
D = 03°59'09"
T = 28.93'
L = 57.85'
R = 1,437.50'
PC = 203+63.52
PT = 204+21.37
- (L4) PI = 204+89.54
DELTA = 09°01'34.59" (RT)
D = 15°03'29"
T = 30.03'
L = 59.94'
R = 380.50'
PC = 204+59.51
PT = 205+19.45

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	3
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		

Parcel D
**LIONSFIELD VALLEY
HOMEOWNERS ASSOCIATION**
Inst*20041022-0180032
GPIN: 8188-92-1036
*3685 Expedition Drive
1.0433 Ac

Parcel E
**LIONSFIELD VALLEY
HOMEOWNERS ASSOCIATION**
Inst*20041022-0180032
GPIN: 8188-82-9814
*3717 Lions Field Road
0.2634 Ac

Parcel F
**LIONSFIELD VALLEY
HOMEOWNERS ASSOCIATION**
Inst*20041022-0180032
GPIN: 8188-81-7896
*3727 Lions Field Road
0.8768 Ac

PWC SCHOOL BOARD
DB: 221 Pg. 273
GPIN: 8188-92-8814
*3615 Lions Field Road
Inst*200805050042472 Plat
18.6187 Ac

BEGIN PROJECT EN24-076-380, P101 & C501
STA. 100+07.88

BEGIN PROJECT EN24-076-380, R201
STA. 100+29.05

LEGEND

- DENOTES DEMOLITION OF PAVEMENT
 DENOTES FULL DEPTH PAVEMENT
 DENOTES MILL AND OVERLAY
 DENOTES CONCRETE SIDEWALK

- DENOTES PROPOSED TEMPORARY EASEMENTS
----- DENOTES PROPOSED PERMANENT EASEMENTS
----- DENOTES PROPOSED RIGHT OF WAY
----- DENOTES EXISTING RIGHT OF WAY

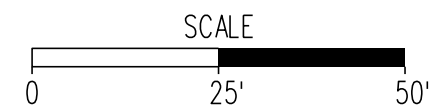
- DENOTES CONSTRUCTION LIMITS IN CUTS
 DENOTES CONSTRUCTION LIMITS IN FILLS

NOTE: DOT - DOT - DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT - DASHED LINES DENOTE PERMANENT EASEMENTS
NOTE: DOT - DASHED LINES DENOTE PERMANENT UTILITY EASEMENTS

ROADWAY DESIGN LEGEND

- 1 → DENOTES FULL DEPTH SAWCUT
2 → DENOTES ST'D. CG-2
3 → DENOTES ST'D. CG-6
4 → DENOTES ST'D. CG-12 TYPE B
5 → DENOTES ST'D. UD-4
7 → DENOTES ST'D HR-1 TYPE II

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
ITEM	SHEET NO.
Survey Alignment Data	1F
Constr. Alignment Data	1G(1) - 1G(4)
Typical Sections	2A(1) - 2A(2)
Profile	3A(1) - 3A(2)
Drainage Descriptions	2B



PROJECT
EN24-076-380

SHEET NO.
3

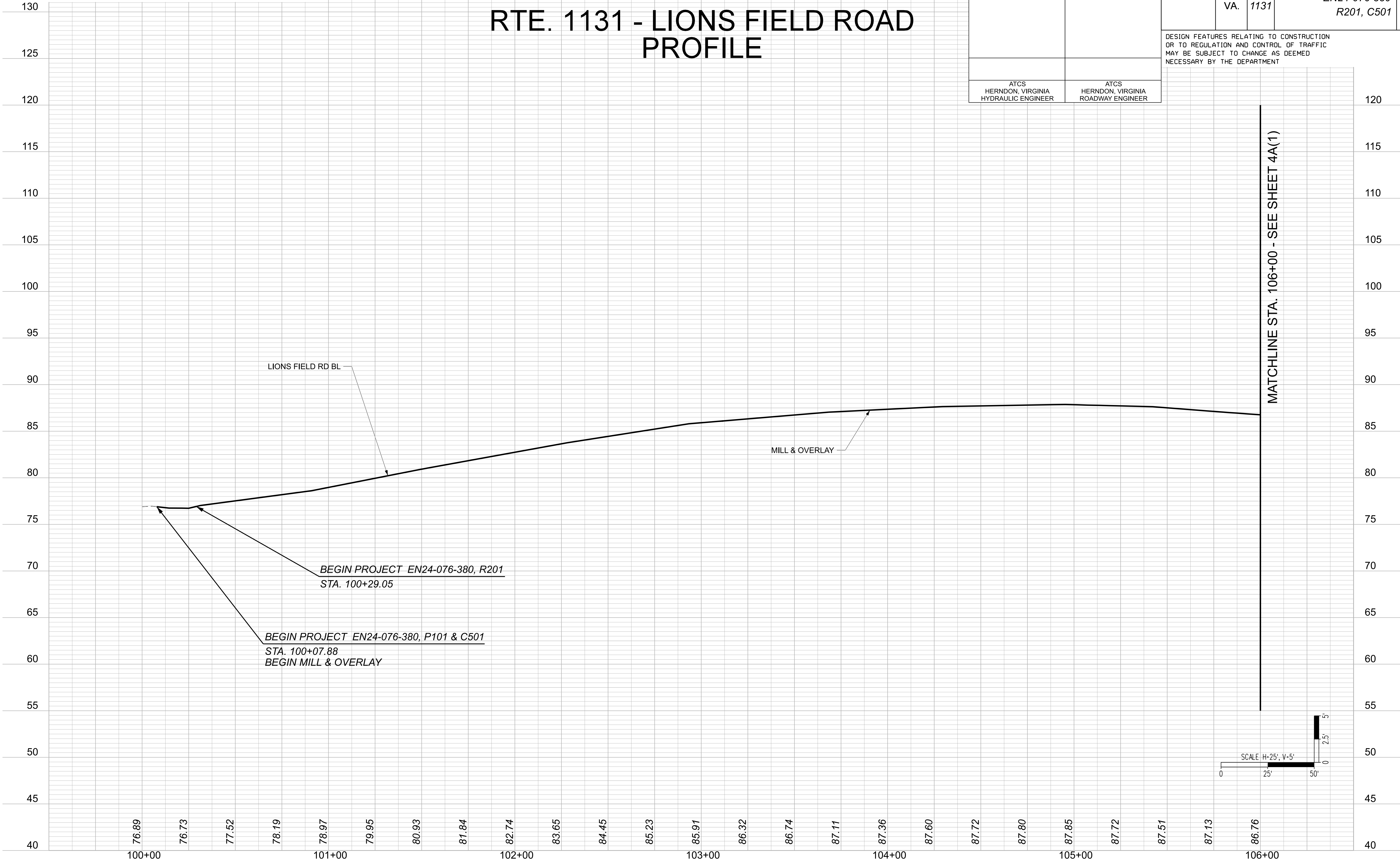
60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED
FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

RTE. 1131 - LIONS FIELD ROAD PROFILE

		REVISED	STATE	STATE		SHEET NO.
				ROUTE	PROJECT	
			VA.	1131	EN24-076-380 R201, C501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER				
</						



60% PLANS

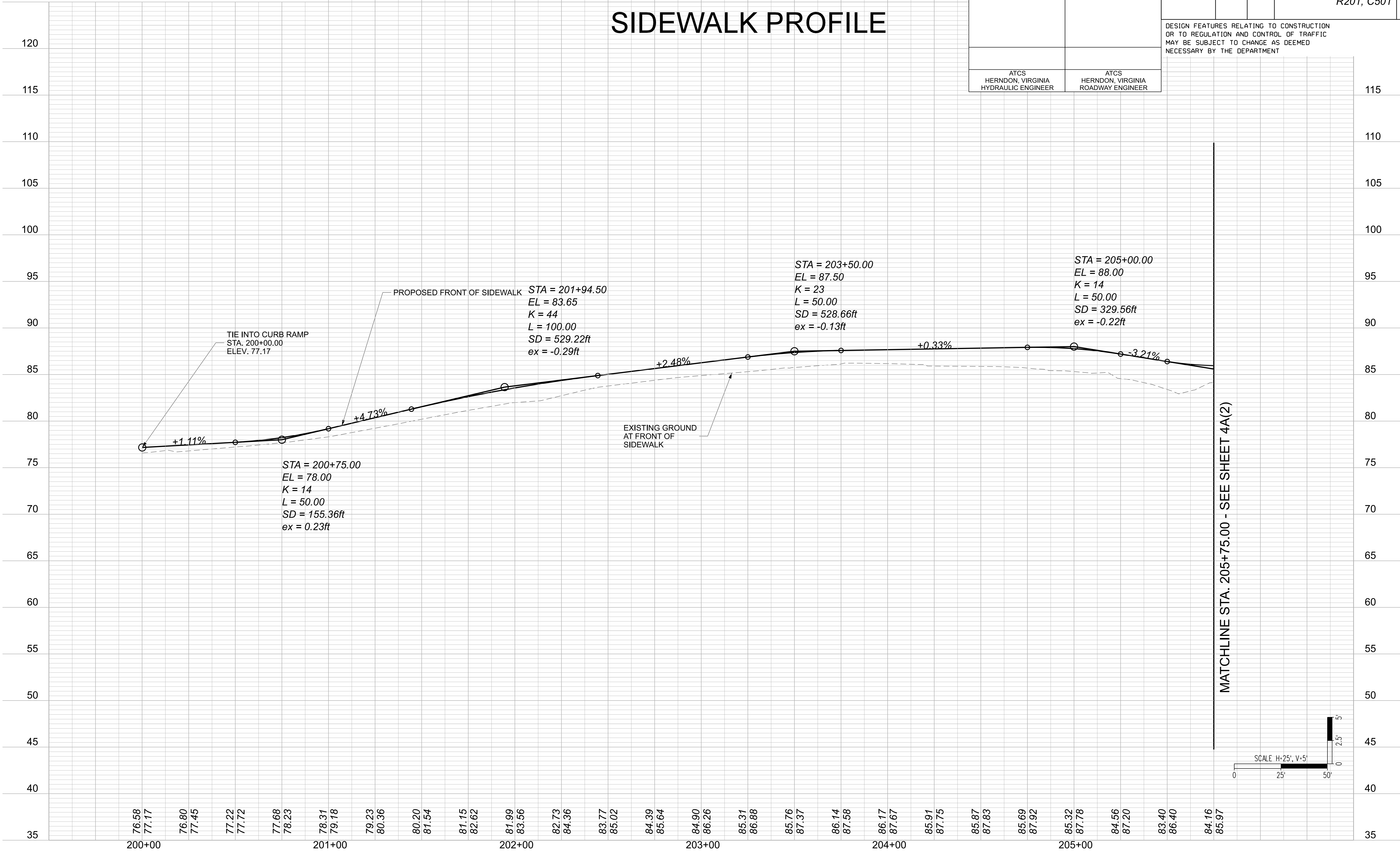
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT	SHEET NO.
EN24-076-380	3A(1)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	3A(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		

SIDEWALK PROFILE



60% PLANS

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PROJECT
EN24-076-380

SHEET NO.
3A(2)

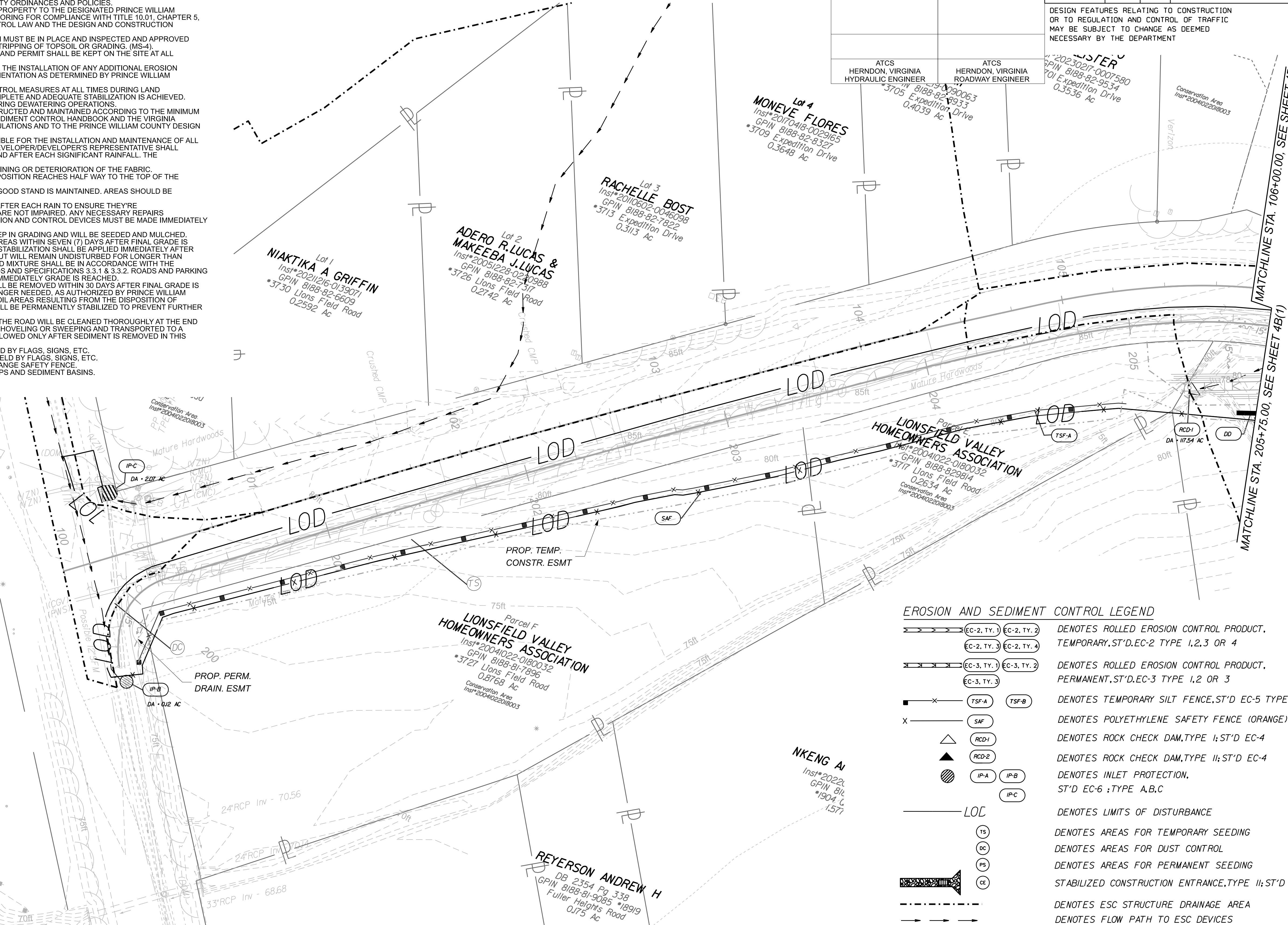
PROJECT MANAGER *Ramli Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, L.S. ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

EROSION AND SEDIMENT CONTROL PHASE I

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	3B(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

- EROSION AND SEDIMENT CONTROL STANDARD NOTES AND MAINTENANCE PROCEDURES
1. THE OWNER/DEVELOPER MUST NOTIFY THE DEPARTMENT OF PUBLIC WORKS AT 792-7070 AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH APPLICABLE COUNTY ORDINANCES AND POLICIES.
 2. THE OWNER/DEVELOPER GRANTS THE RIGHT-OF-ENTRY ONTO THIS PROPERTY TO THE DESIGNATED PRINCE WILLIAM COUNTY PERSONNEL FOR THE PURPOSE OF INSPECTING AND MONITORING FOR COMPLIANCE WITH TITLE 10.01, CHAPTER 5, ARTICLE 4 OF THE CODE OF VIRGINIA, EROSION AND SEDIMENT CONTROL LAW AND THE DESIGN AND CONSTRUCTION STANDARDS MANUAL SECTION 750.04(c).
 3. ALL EROSION CONTROL MEASURES SHOWN ON THE APPROVED PLAN MUST BE IN PLACE AND INSPECTED AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS PRIOR TO CLEARING AND STRIPPING OF TOPSOIL OR GRADING, (MS-4).
 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE KEPT ON THE SITE AT ALL TIMES.
 5. THE DEVELOPER/DEVELOPER'S REPRESENTATIVE IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY PRINCE WILLIAM COUNTY.
 6. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL COMPLETE AND ADEQUATE STABILIZATION IS ACHIEVED.
 7. WATER MUST BE PUMPED INTO AN APPROVED FILTERING DEVICE DURING DEWATERING OPERATIONS.
 8. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS AND TO THE PRINCE WILLIAM COUNTY DESIGN AND CONSTRUCTION STANDARDS MANUAL.
 9. THE DEVELOPER/DEVELOPER'S REPRESENTATIVE WILL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES AT ALL TIMES. THE DEVELOPER/DEVELOPER'S REPRESENTATIVE SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:
 - a. SILT FENCE BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
 - b. SEEDING AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEED AS NEEDED.
 - c. STORM CONVEYANCE CHANNELS SHALL BE INSPECTED DAILY AND AFTER EACH RAIN TO ENSURE THEY'RE FUNCTIONING PROPERLY AND THAT THE INTEGRITY OF THE LINING ARE NOT IMPAIRED. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION AND CONTROL DEVICES MUST BE MADE IMMEDIATELY AFTER THE INSPECTION.
 10. SEDIMENT TRAPPING MEASURES WILL BE INSTALLED AS A FIRST STEP IN GRADING AND WILL BE SEEDED AND MULCHED.
 11. PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. (MS-1). TEMPORARY SOIL STABILIZATION SHALL BE APPLIED IMMEDIATELY AFTER GRADING TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN FOURTEEN (14) DAYS. (MS-1). SEEDING AND SELECTION OF THE SEED MIXTURE SHALL BE IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK STANDARDS AND SPECIFICATIONS 3.3.1 & 3.3.2. ROADS AND PARKING AREAS SHALL BE STABILIZED WITHIN SEVEN (7) DAYS AFTER FINAL IMMEDIATELY GRADE IS REACHED.
 12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED WITHIN 30 DAYS AFTER FINAL GRADE IS STABILIZATION AND AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. AS AUTHORIZED BY PRINCE WILLIAM COUNTY INSPECTORS. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF FOLLOWING INSTALLATION. (MS-4, MS-5) TEMPORARY MEASURES WILL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION (MS-18).
 13. WHEN SEDIMENT IS TRANSPORTED ONTO A PAVED ROAD SURFACE THE ROAD WILL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT WILL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER (MS-19).
 14. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC.
 15. RPA AND FLOOD PLAIN LIMITS SHALL BE CLEARLY MARKED IN THE FIELD BY FLAGS, SIGNS, ETC.
 16. TREE SAVE AREAS SHALL BE CLEARLY MARKED IN THE FIELD BY ORANGE SAFETY FENCE.
 17. ORANGE SAFETY FENCE MUST BE INSTALLED AROUND ALL SILT TRAPS AND SEDIMENT BASINS.



EROSION AND SEDIMENT CONTROL LEGEND

- | | | | |
|--|-------------|-------------|---|
| | EC-2, TY. 1 | EC-2, TY. 2 | DENOTES ROLLED EROSION CONTROL PRODUCT, TEMPORARY, ST'D EC-2 TYPE 1, 2, 3 OR 4 |
| | EC-2, TY. 3 | EC-2, TY. 4 | |
| | EC-3, TY. 1 | EC-3, TY. 2 | DENOTES ROLLED EROSION CONTROL PRODUCT, PERMANENT, ST'D EC-3 TYPE 1, 2 OR 3 |
| | EC-3, TY. 3 | | |
| | TSF-A | TSF-B | DENOTES TEMPORARY SILT FENCE, ST'D EC-5 TYPE A OR B |
| | SAF | | |
| | RCD-1 | | DENOTES ROCK CHECK DAM, TYPE I; ST'D EC-4 |
| | RCD-2 | | |
| | IP-A | IP-B | DENOTES INLET PROTECTION, ST'D EC-6 ; TYPE A,B,C |
| | IP-C | | |
| | LOD | | |
| | TS | | DENOTES AREAS FOR TEMPORARY SEEDING
DENOTES AREAS FOR DUST CONTROL
DENOTES AREAS FOR PERMANENT SEEDING
STABILIZED CONSTRUCTION ENTRANCE, TYPE II; ST'D EC-II |
| | DC | | |
| | PS | | |
| | CE | | DENOTES ESC STRUCTURE DRAINAGE AREA
DENOTES FLOW PATH TO ESC DEVICES |
| | | | |
| | | | |

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



PROJECT
EN24-076-380

SHEET NO.
3B(1)

EROSION AND SEDIMENT CONTROL LEGEND

EROSION AND SEDIMENT CONTROL
PHASE II

		REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
			VA.	1131	EN24-076-380 R201, C501	3B(2)
		DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER	ATCS HERNDON, VIRGINIA ROADWAY ENGINEER	MAYO CALLISTER 0230217-0007580 6188-82-00 EX-10				



SCALE



0 25' 50'

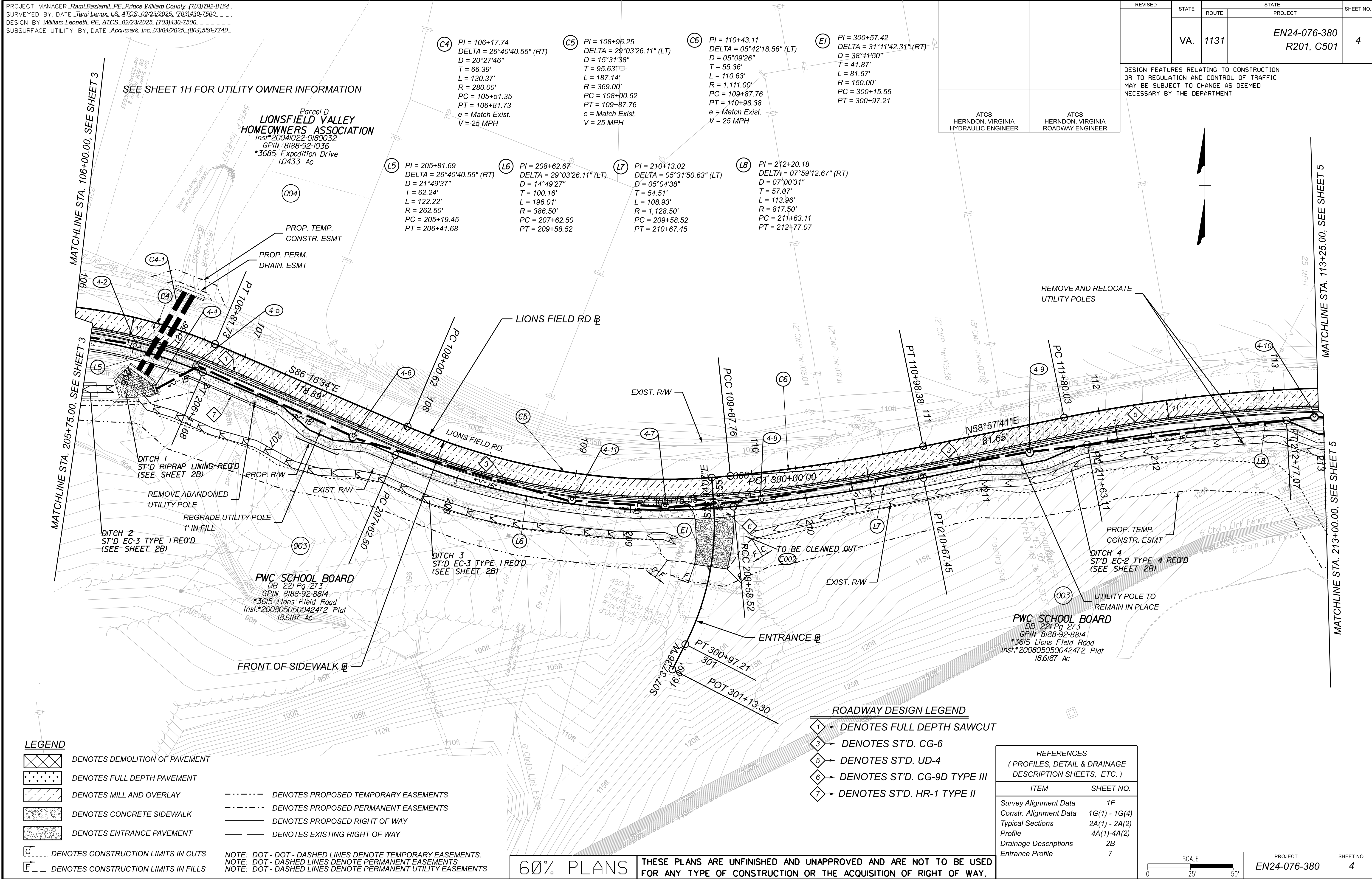
PROJECT <i>EN24-076-380</i>	SHEET NO. <i>3B(2)</i>
--------------------------------	---------------------------

PROJECT MANAGER: Ramzi Bazlamit, PE, Prince William County, (703)792-8164
SURVEYED BY, DATE: Tamr Leno, LS, ATCS, 02/23/2025, (703)430-7500
DESIGN BY: William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500
SUBSURFACE UTILITY BY, DATE: AccuMark, Inc. 03/04/2025, (804)550-7740

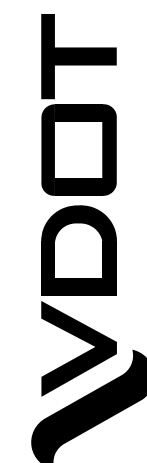
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	4

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER	ATCS HERNDON, VIRGINIA ROADWAY ENGINEER
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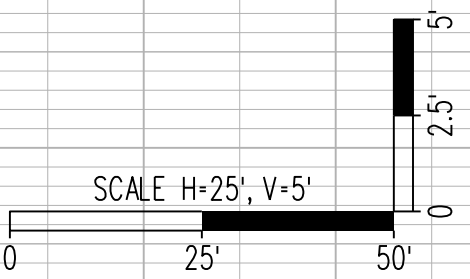
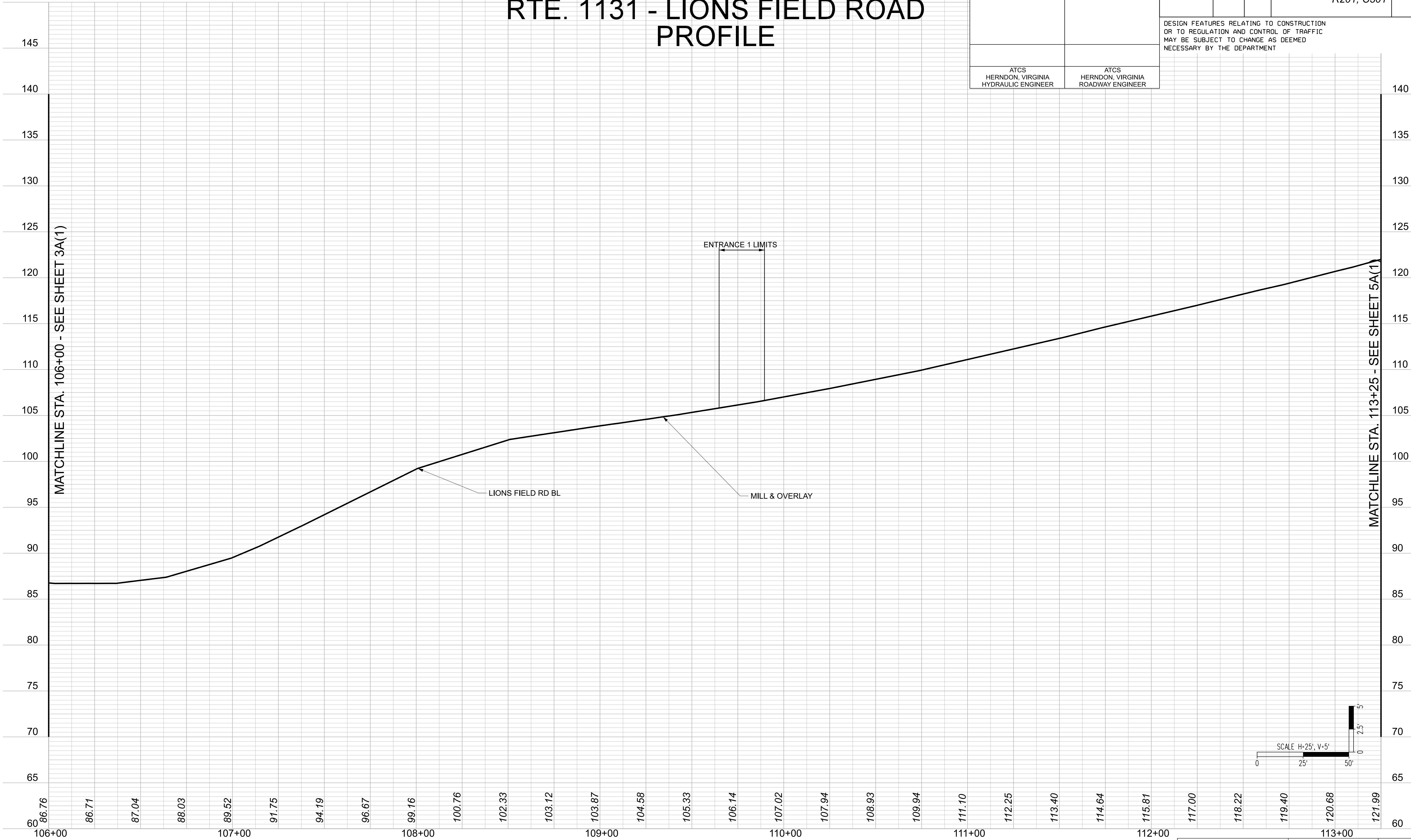
NOVA DISTRICT



PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

RTE. 1131 - LIONS FIELD ROAD PROFILE

		REVISED	STATE	STATE		SHEET NO.
			ROUTE	PROJECT		
			VA.	1131	EN24-076-380 R201, C501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER	ATCS HERNDON, VIRGINIA ROADWAY ENGINEER					140



60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT	SHEET NO.
EN24-076-380	4A(1)

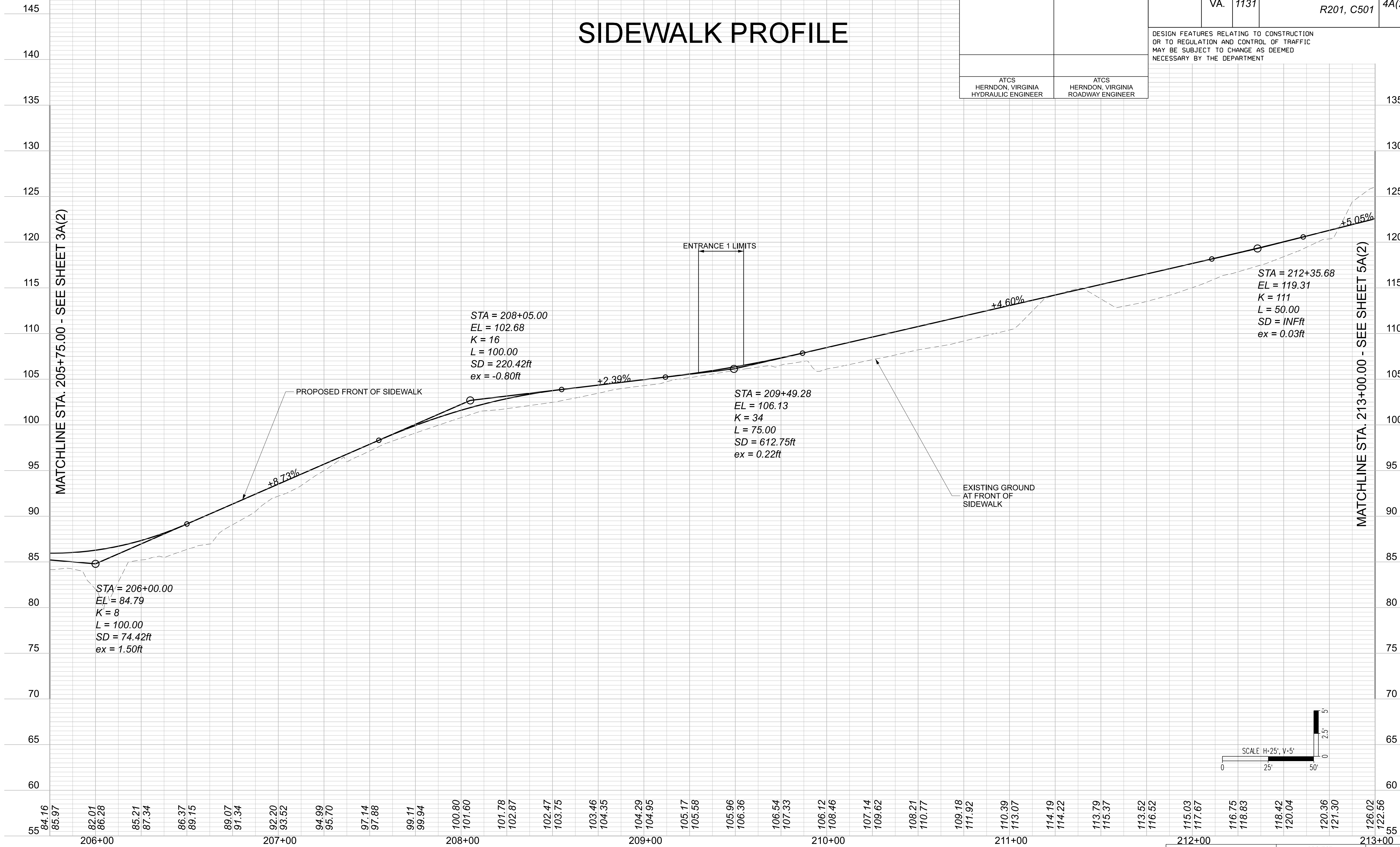
PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

	ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER	ATCS HERNDON, VIRGINIA ROADWAY ENGINEER

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	4A(2)

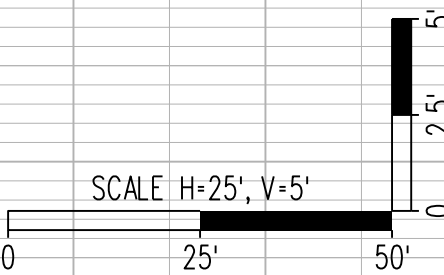
DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

SIDEWALK PROFILE



60% PLANS

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FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

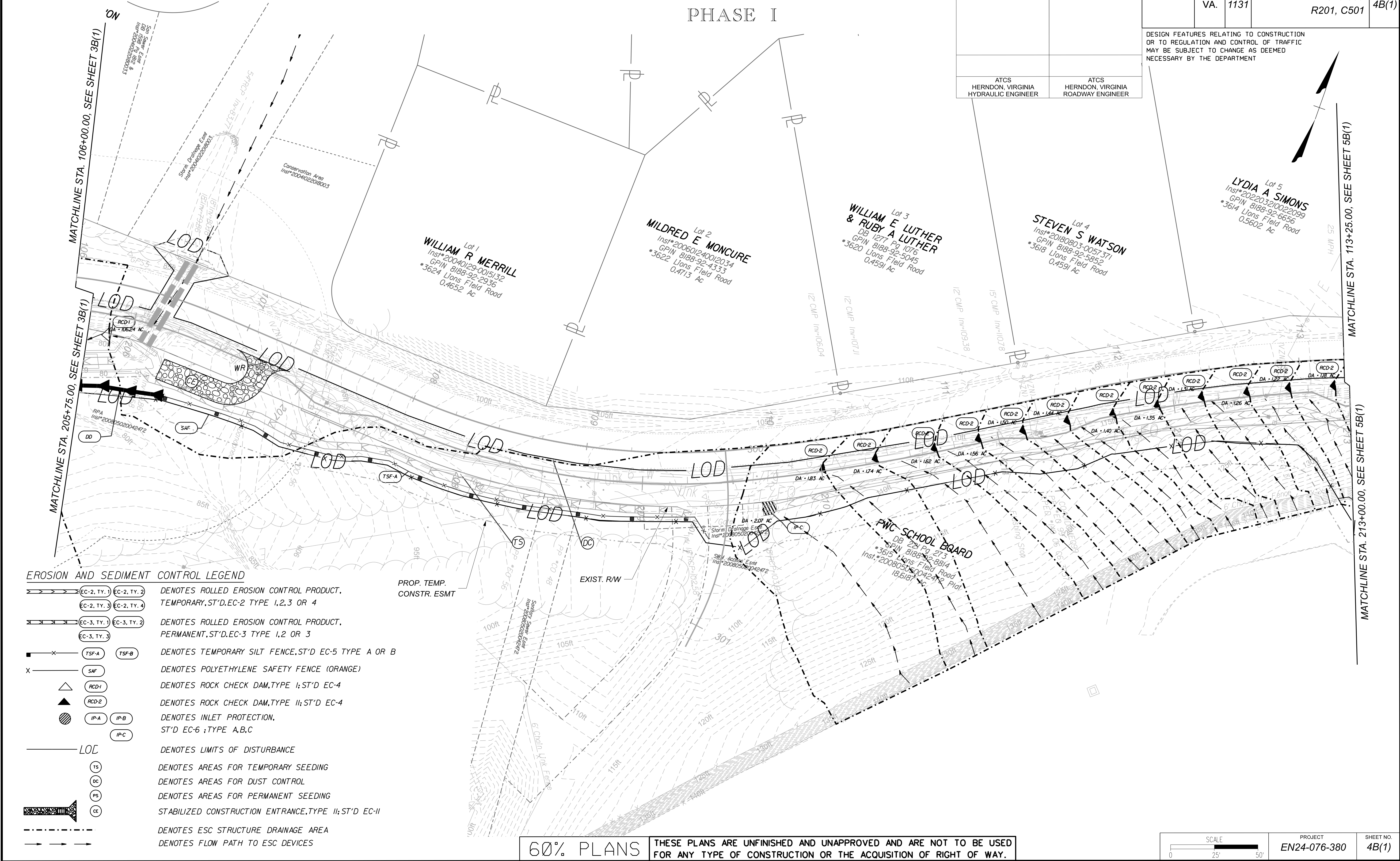


PROJECT	SHEET NO.
EN24-076-380	4A(2)

PROJECT MANAGER: *Rami Bazlamit, PE, Prince William County, (703) 792-8164*
SURVEYED BY, DATE: *Tamir Lenox, LS, ATCS, 02/23/2025, (703) 430-7500*
DESIGN BY: *William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500*
SUBSURFACE UTILITY BY, DATE: *Accumark, Inc, 03/04/2025, (804) 550-7740*

EROSION AND SEDIMENT CONTROL PHASE I

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	4B(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		

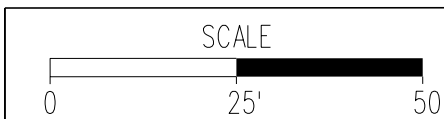


EROSION AND SEDIMENT CONTROL LEGEND

- | | | |
|--|-------------|---|
| | EC-2, TY. 1 | DENOTES ROLLED EROSION CONTROL PRODUCT, TEMPORARY, ST'D. EC-2 TYPE 1, 2, 3 OR 4 |
| | EC-2, TY. 3 | |
| | EC-3, TY. 1 | DENOTES ROLLED EROSION CONTROL PRODUCT, PERMANENT, ST'D. EC-3 TYPE 1, 2 OR 3 |
| | EC-3, TY. 3 | |
| | TSF-A | DENOTES TEMPORARY SILT FENCE, ST'D. EC-5 TYPE A OR B |
| | TSF-B | |
| | SAF | DENOTES POLYETHYLENE SAFETY FENCE (ORANGE) |
| | RCD-1 | DENOTES ROCK CHECK DAM, TYPE I; ST'D. EC-4 |
| | RCD-2 | DENOTES ROCK CHECK DAM, TYPE II; ST'D. EC-4 |
| | IP-A | DENOTES INLET PROTECTION, ST'D. EC-6; TYPE A, B, C |
| | IP-B | |
| | IP-C | |
| | LOC | DENOTES LIMITS OF DISTURBANCE |
| | TS | DENOTES AREAS FOR TEMPORARY SEEDING |
| | DC | DENOTES AREAS FOR DUST CONTROL |
| | PS | DENOTES AREAS FOR PERMANENT SEEDING |
| | CE | DENOTES STABILIZED CONSTRUCTION ENTRANCE, TYPE II; ST'D. EC-II |
| | | DENOTES ESC STRUCTURE DRAINAGE AREA |
| | | DENOTES FLOW PATH TO ESC DEVICES |

60% PLANS

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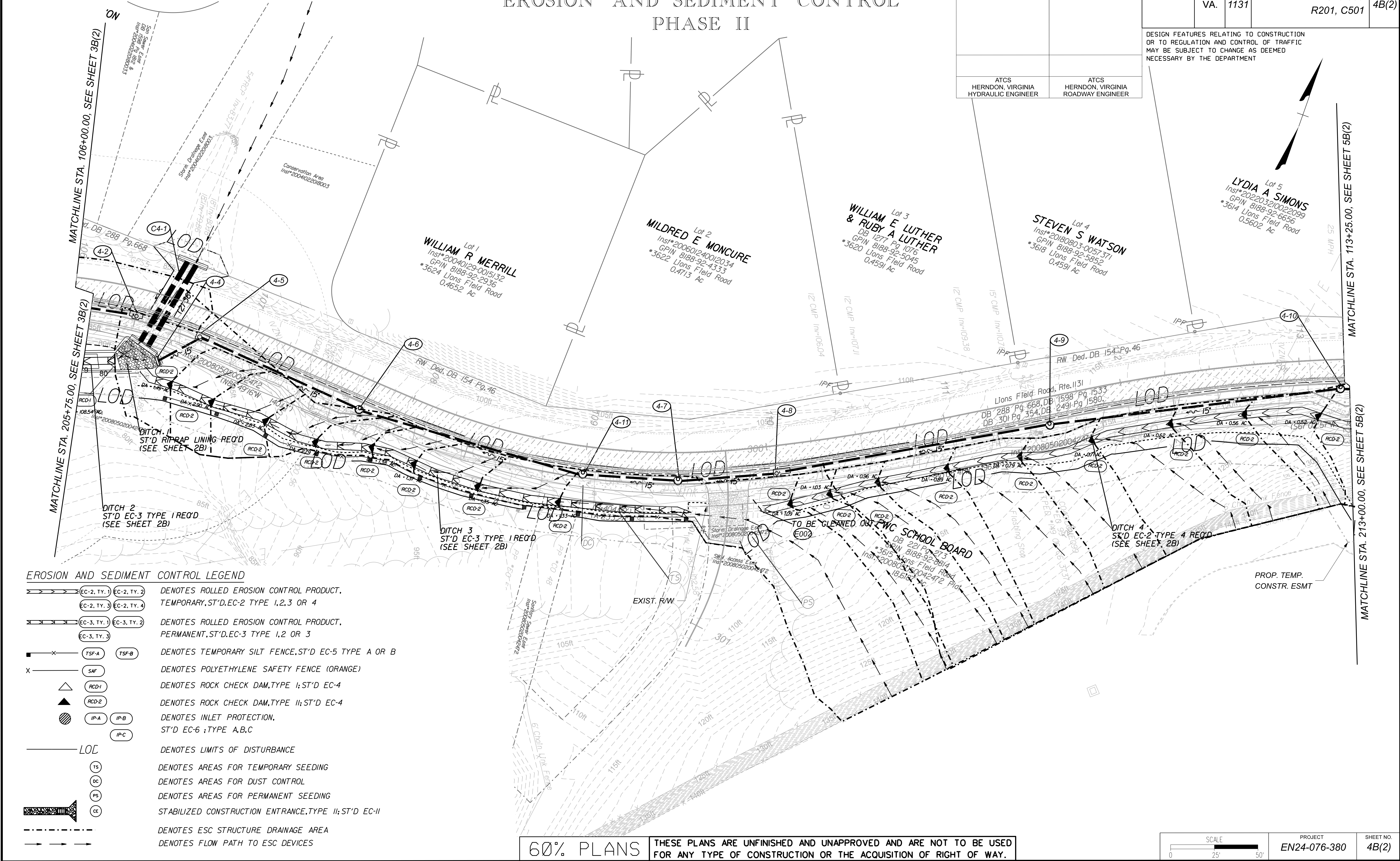
PROJECT
EN24-076-380

SHEET NO.
4B(1)

PROJECT MANAGER: *Rami Bazlamit, PE, Prince William County, (703) 792-8164*
SURVEYED BY, DATE: *Tamir Lenox, LS, ATCS, 02/23/2025, (703) 430-7500*
DESIGN BY: *William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500*
SUBSURFACE UTILITY BY, DATE: *Accumark, Inc. 03/04/2025, (804) 550-7740*

EROSION AND SEDIMENT CONTROL
PHASE II

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	4B(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		

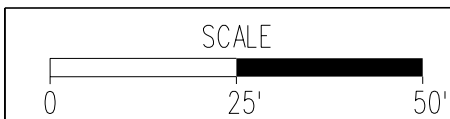


EROSION AND SEDIMENT CONTROL LEGEND

- | | | | |
|--|-------------|-------------|--|
| | EC-2, TY. 1 | EC-2, TY. 2 | DENOTES ROLLED EROSION CONTROL PRODUCT, TEMPORARY, ST'D EC-2 TYPE 1, 2, 3 OR 4 |
| | EC-2, TY. 3 | EC-2, TY. 4 | |
| | EC-3, TY. 1 | EC-3, TY. 2 | DENOTES ROLLED EROSION CONTROL PRODUCT, PERMANENT, ST'D EC-3 TYPE 1, 2 OR 3 |
| | EC-3, TY. 3 | | |
| | TSF-A | TSF-B | DENOTES TEMPORARY SILT FENCE, ST'D EC-5 TYPE A OR B |
| | SAF | | |
| | RCD-1 | | DENOTES ROCK CHECK DAM, TYPE I; ST'D EC-4 |
| | RCD-2 | | |
| | IP-A | IP-B | DENOTES INLET PROTECTION, ST'D EC-6; TYPE A, B, C |
| | IP-C | | |
| | LOC | | |
| | TS | | DENOTES AREAS FOR TEMPORARY SEEDING |
| | DC | | |
| | PS | | |
| | CE | | STABILIZED CONSTRUCTION ENTRANCE, TYPE II; ST'D EC-II |
| | | | |
| | | | DENOTES FLOW PATH TO ESC DEVICES |

60% PLANS

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PROJECT
EN24-076-380

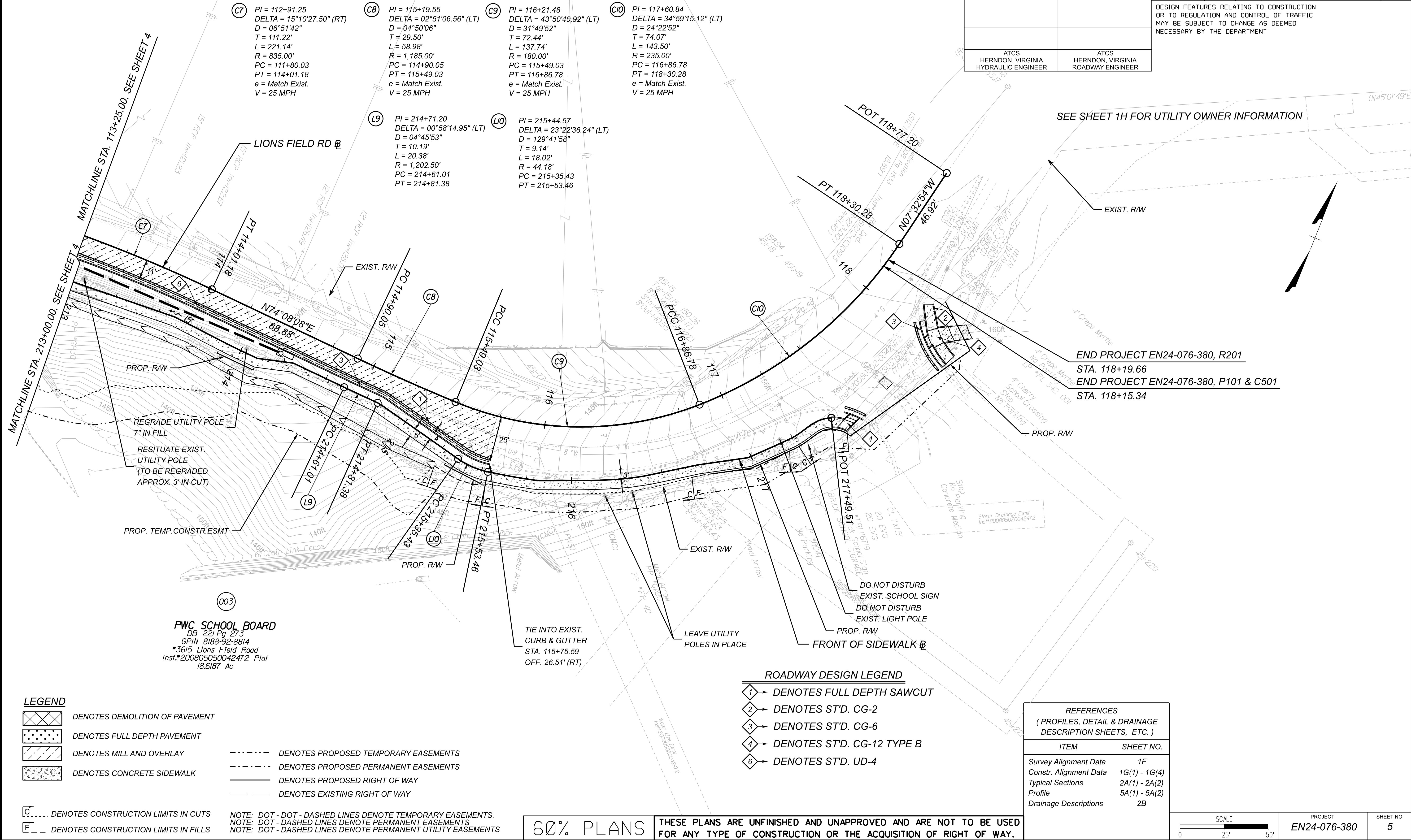
SHEET NO.
4B(2)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc. 03/04/2025, (804)550-7740*

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	5

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER	ATCS HERNDON, VIRGINIA ROADWAY ENGINEER
---	---



PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tami Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

RTE. 1131 - LIONS FIELD ROAD PROFILE

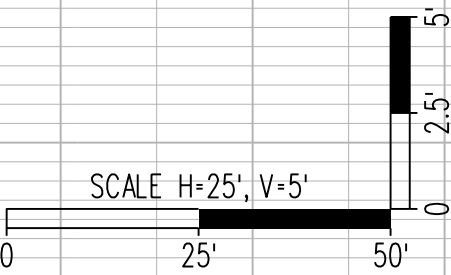
		REVISED	STATE	STATE		SHEET NO.
			ROUTE	PROJECT		
			VA.	1131	EN24-076-380 R201, C501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER				

180

MATCHLINE STA. 113+25 - SEE SHEET 4A(1)

MILL & OVERLAY
END MILL & OVERLAY
STA. 115+76.00
LIONS FIELD RD
TIE INTO CURB RAMP
STA. 117+42.66

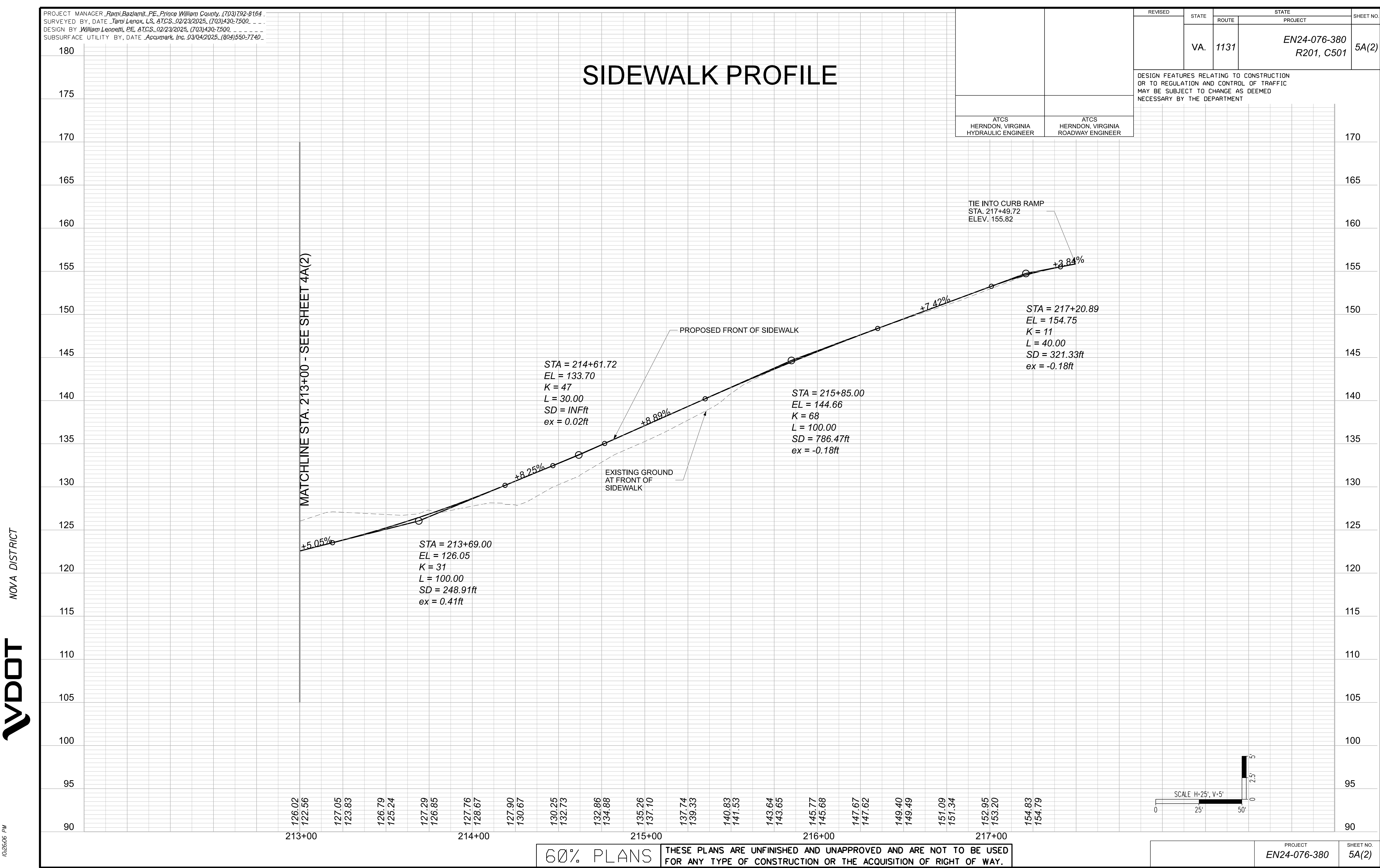
END PROJECT EN24-076-380, P101 & C501
STA. 118+15.34
END PROJECT EN24-076-380, R201
STA. 118+19.66



60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

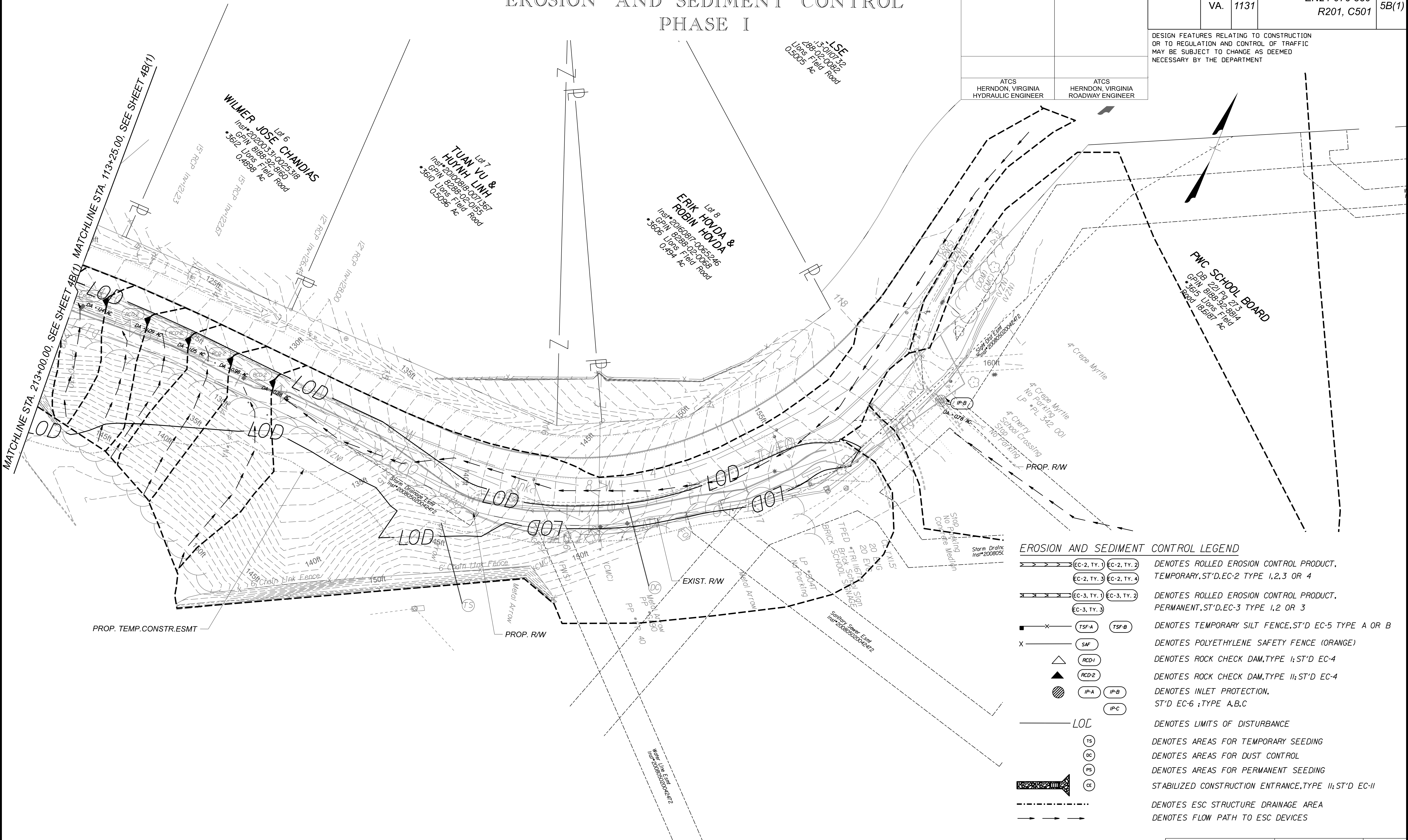
PROJECT
EN24-076-380
SHEET NO.
5A(1)



PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Leno, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumack, Inc, 03/04/2025, (804)550-7740*

EROSION AND SEDIMENT CONTROL PHASE I

		REVISED	STATE	STATE		SHEET NO.
				ROUTE	PROJECT	
			VA.	1131	EN24-076-380 R201, C501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER	ATCS HERNDON, VIRGINIA ROADWAY ENGINEER					



EROSION AND SEDIMENT CONTROL LEGEND	
	DENOTES ROLLED EROSION CONTROL PRODUCT, TEMPORARY, ST'D EC-2 TYPE 1, 2, 3 OR 4
	DENOTES ROLLED EROSION CONTROL PRODUCT, PERMANENT, ST'D EC-3 TYPE 1, 2 OR 3
	DENOTES TEMPORARY SILT FENCE, ST'D EC-5 TYPE A OR B
	DENOTES POLYETHYLENE SAFETY FENCE (ORANGE)
	DENOTES ROCK CHECK DAM, TYPE I; ST'D EC-4
	DENOTES ROCK CHECK DAM, TYPE II; ST'D EC-4
	DENOTES INLET PROTECTION, ST'D EC-6; TYPE A, B, C
	DENOTES LIMITS OF DISTURBANCE
	DENOTES AREAS FOR TEMPORARY SEEDING
	DENOTES AREAS FOR DUST CONTROL
	DENOTES AREAS FOR PERMANENT SEEDING
	STABILIZED CONSTRUCTION ENTRANCE, TYPE II; ST'D EC-II
	DENOTES ESC STRUCTURE DRAINAGE AREA
	DENOTES FLOW PATH TO ESC DEVICES

60% PLANS THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

SCALE	PROJECT	SHEET NO.
0 25' 50'	EN24-076-380	5B(1)

PROJECT MANAGER: Rami Bazlamit, PE, Prince William County, (703)792-8164.
SURVEYED BY, DATE: Tami Lenox, LS, ATCS, 02/23/2025, (703)430-7500.
DESIGN BY: William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500.
SUBSURFACE UTILITY BY, DATE: Accumack, Inc, 03/04/2025, (804)560-7740.

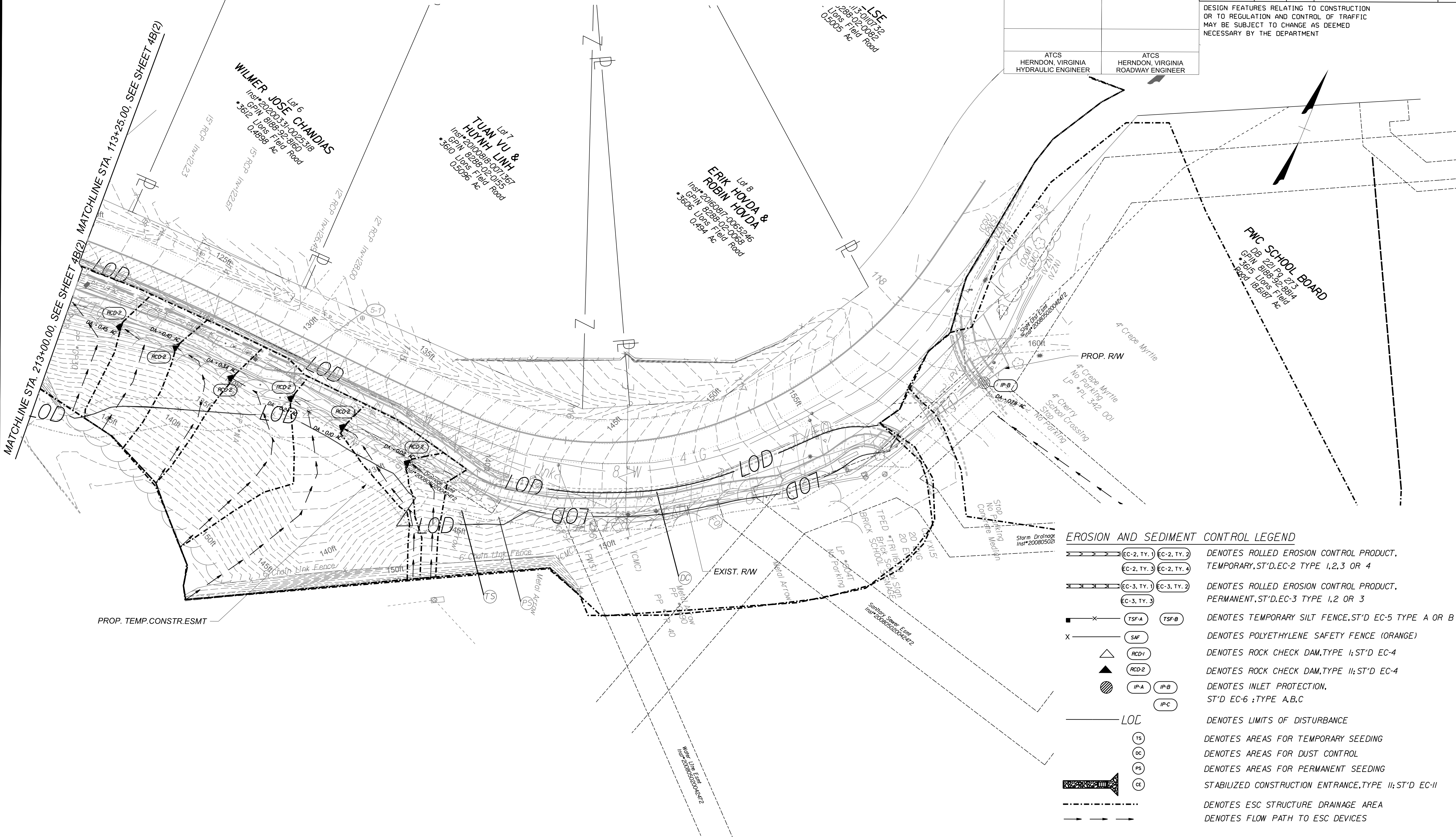
EROSION AND SEDIMENT CONTROL PHASE II

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1131		EN24-076-380 R201, C501	5B(2)

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

ATCS
HERNDON, VIRGINIA
HYDRAULIC ENGINEER

ATCS
HERNDON, VIRGINIA
ROADWAY ENGINEER

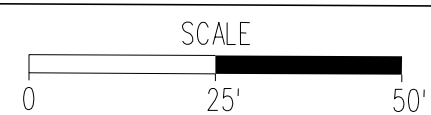


EROSION AND SEDIMENT CONTROL LEGEND

- DENOTES ROLLED EROSION CONTROL PRODUCT, TEMPORARY, ST'D EC-2 TYPE 1, 2, 3 OR 4
- DENOTES ROLLED EROSION CONTROL PRODUCT, PERMANENT, ST'D EC-3 TYPE 1, 2 OR 3
- DENOTES TEMPORARY SILT FENCE, ST'D EC-5 TYPE A OR B
- DENOTES POLYETHYLENE SAFETY FENCE (ORANGE)
- DENOTES ROCK CHECK DAM, TYPE I; ST'D EC-4
- DENOTES ROCK CHECK DAM, TYPE II; ST'D EC-4
- DENOTES INLET PROTECTION, ST'D EC-6; TYPE A, B, C
- DENOTES LIMITS OF DISTURBANCE
- DENOTES AREAS FOR TEMPORARY SEEDING
- DENOTES AREAS FOR DUST CONTROL
- DENOTES AREAS FOR PERMANENT SEEDING
- STABILIZED CONSTRUCTION ENTRANCE, TYPE II; ST'D EC-II
- DENOTES ESC STRUCTURE DRAINAGE AREA
- DENOTES FLOW PATH TO ESC DEVICES

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

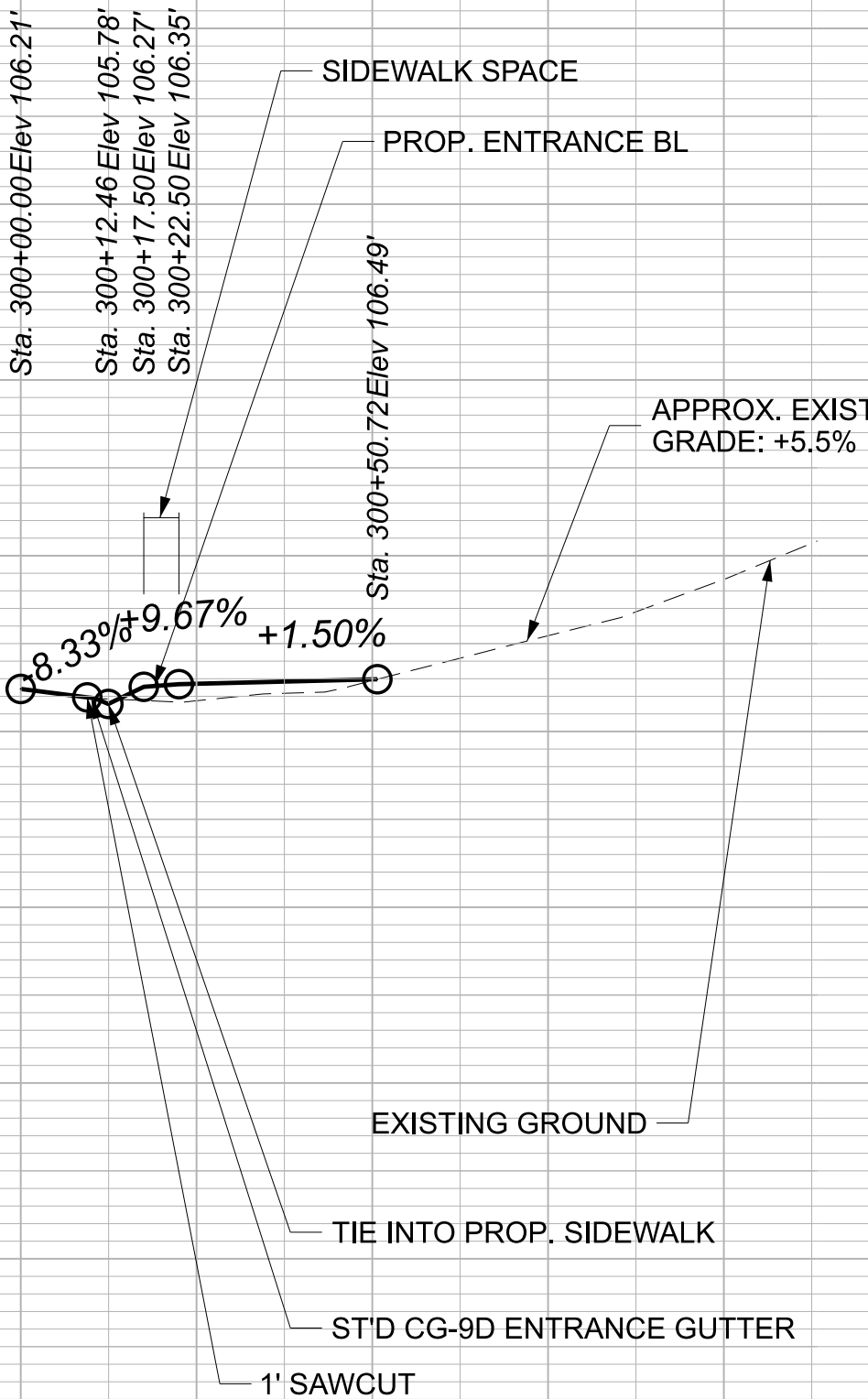


PROJECT
EN24-076-380

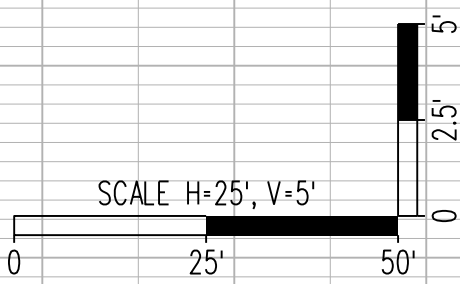
SHEET NO.
5B(2)

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tamr Lenox, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

ENTRANCE PROFILE



106.21
105.97
105.87
106.36
106.45
106.48
107.72
109.33
300+00
301+00



60% PLANS

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PROJECT
EN24-076-380

SHEET NO.
7

PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Leona, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

Rim - 79.84
18"RCP Inv In - 76.88
18"RCP Inv Out - 76.86

Rim - 78.87
18"RCP Inv In - 75.34
18"RCP Inv In - 74.73
18"RCP Inv Out - 74.75
Heavily Silted
YIG - Completely Buried

18"RCP Inv - 72.69

680CD325

Inv 18"RCP-74J8'

D034 VEPCO

FULLER HEIGHTS RD (RTE. 619)

STOP

EXISTING ASSEMBLY TO REMAIN

REFRESH EXISTING STOP BAR
PAVEMENT MARKING

REFRESH EXISTING CROSSWALK PAVEMENT MARKING

LIONS FIELD RD (RTE. 1131)

25 MPH

SPEED
LIMIT
25

GM
C

20
MPH

Curve Ahead

GM
C

MATCHLINE STA. 106+00.00, SEE SHEET 4
MATCHLINE STA. 205+75.00, SEE SHEET 4

REVISED	STATE		STATE		SHEET NO.
	PROJECT				
	ROUTE				
	VA.	1131			
	EN24-076-380 R201, C501				
8(3)					

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT	
--	--

174

PAVEMENT MARKING LEGEND

- (A) ERADICATION OF EXISTING PAVEMENT MARKING
- (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH
- (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)
- (D) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH
- (E) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (F) PAVEMENT MESSAGE MARKING (SCHOOL) TYPE B, CLASS II
- (G) PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE
- (H) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 8" WIDTH (2' LINE, 8' SPACE)

60% PLANS

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NORTHERN VIRGINIA
DISTRICT OFFICE

4975 ALLIANCE DRIVE
FAIRFAX, VA 22030

SIGN CALL-OUTS

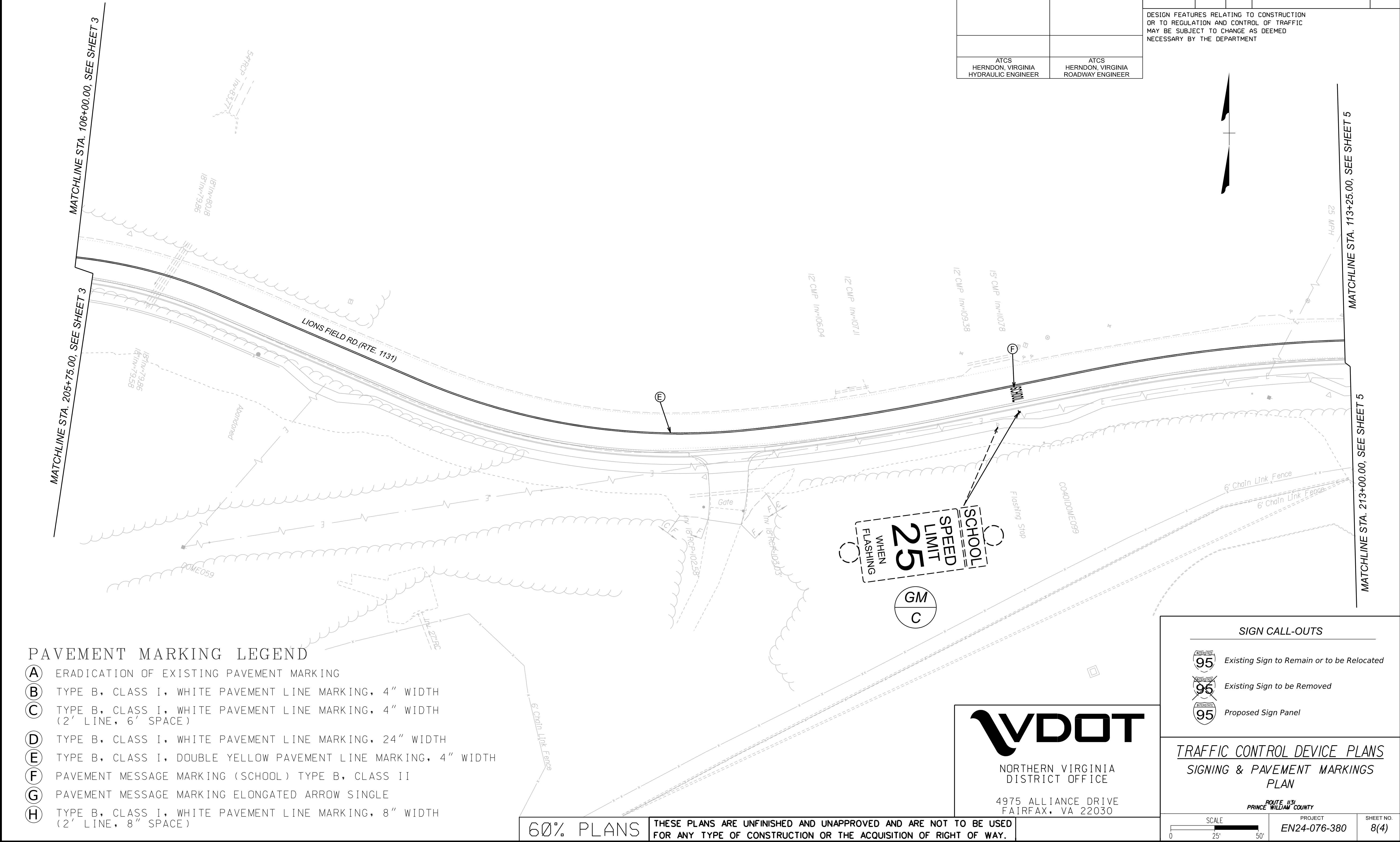
- Existing Sign to Remain or to be Relocated
- Existing Sign to be Removed
- Proposed Sign Panel

TRAFFIC CONTROL DEVICE PLANS SIGNING & PAVEMENT MARKINGS PLAN

SCALE	PROJECT	SHEET NO.
0 25' 50'	EN24-076-380	8(3)

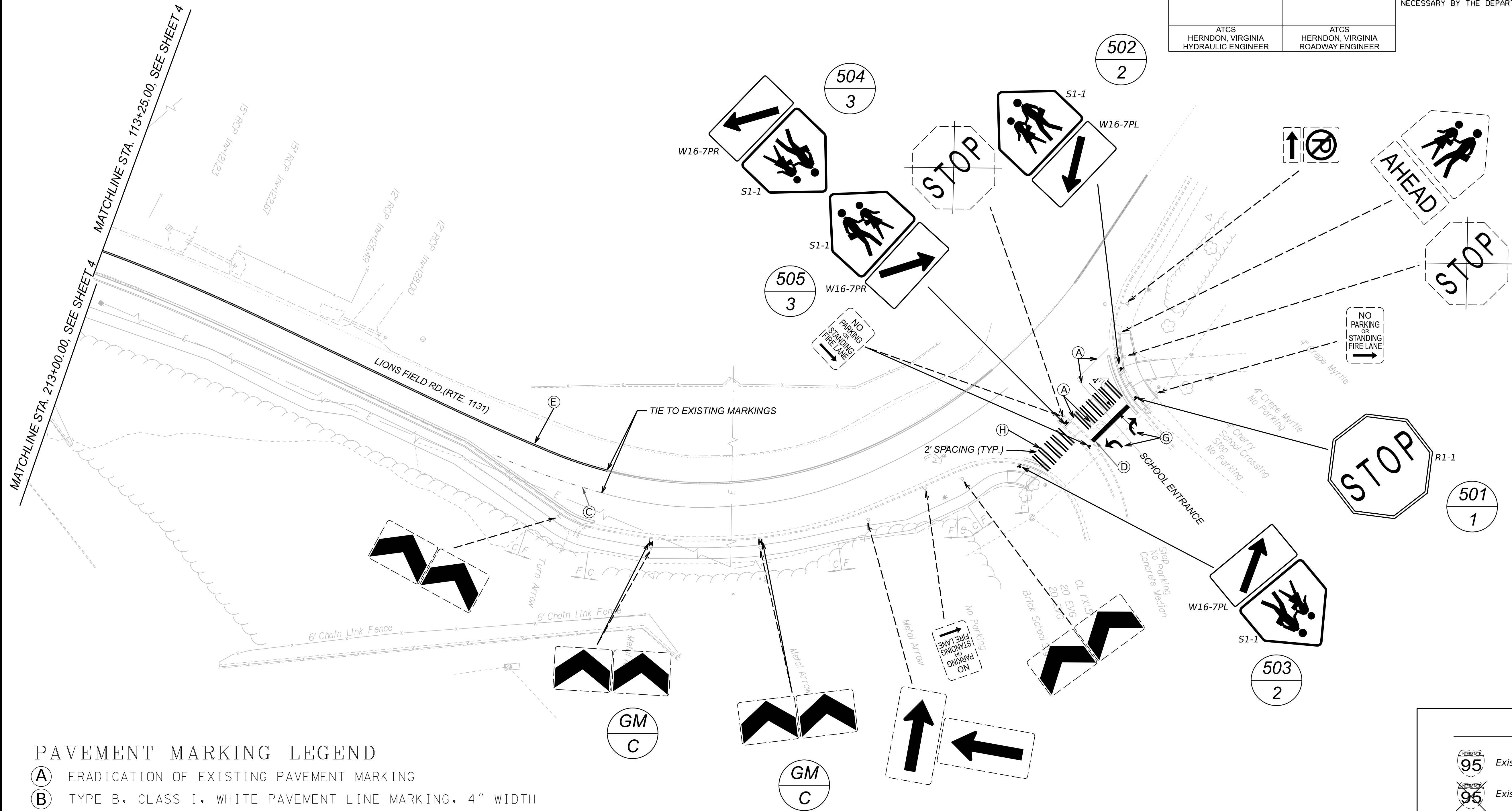
PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Leona, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 R201, C501	8(4)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		



PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Leong, LS, ATCS, 02/23/2025, (703)430-7500*
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-7500*
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740*

REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 R201, C501	8(5)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
ATCS HERNDON, VIRGINIA HYDRAULIC ENGINEER		ATCS HERNDON, VIRGINIA ROADWAY ENGINEER		



PAVEMENT MARKING LEGEND

- (A) ERADICATION OF EXISTING PAVEMENT MARKING
- (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH
- (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)
- (D) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH
- (E) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (F) PAVEMENT MESSAGE MARKING (SCHOOL) TYPE B, CLASS II
- (G) PAVEMENT MESSAGE MARKING ELONGATED ARROW SINGLE
- (H) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 8" WIDTH (2' LINE, 8' SPACE)

SIGN CALL-OUTS

- Existing Sign to Remain or to be Relocated
- Existing Sign to be Removed
- Proposed Sign Panel

TRAFFIC CONTROL DEVICE PLANS
SIGNING & PAVEMENT MARKINGS
PLAN

ROUTE 1131
PRINCE WILLIAM COUNTY

SCALE
0 25' 50'

PROJECT
EN24-076-380

SHEET NO.
8(5)

60% PLANS

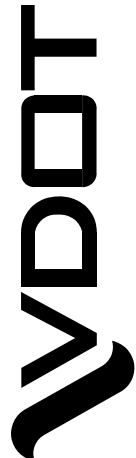
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NORTHERN VIRGINIA
DISTRICT OFFICE

4975 ALLIANCE DRIVE
FAIRFAX, VA 22030

NOVA DISTRICT

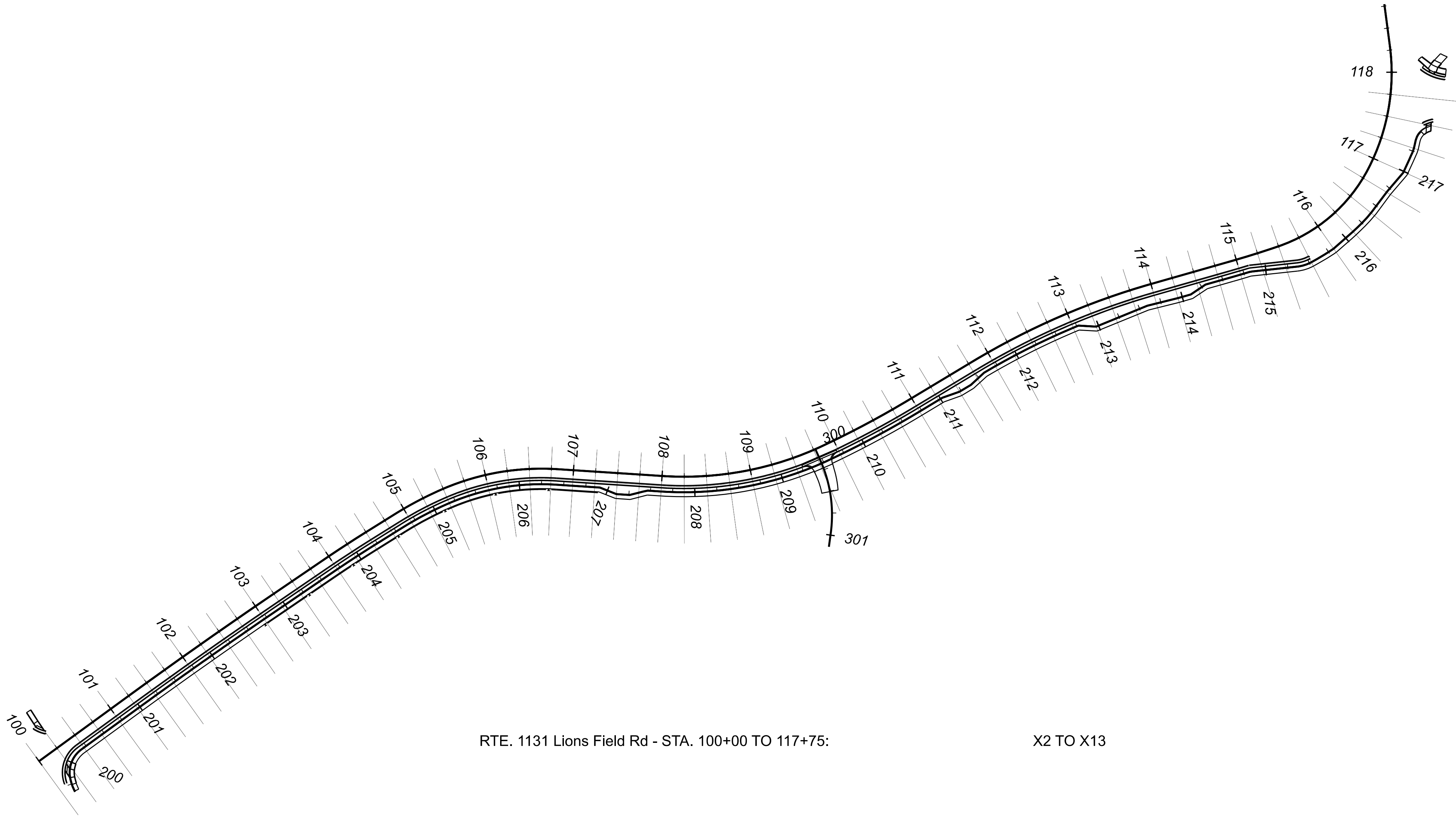


PROJECT MANAGER *Rami Bazlamit, PE, Prince William County, (703)792-8164*
SURVEYED BY, DATE *Tam Lenoix, LS, ATCS, 02/23/2025, (703)430-7500* ---
DESIGN BY *William Leonetti, PE, ATCS, 02/23/2025, (703)430-1500* ---
SUBSURFACE UTILITY BY, DATE *Accumark, Inc, 03/04/2025, (804)550-7740* .

CROSS SECTIONS
KEY MAP

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	1131	EN24-076-380 R201, C501	X1

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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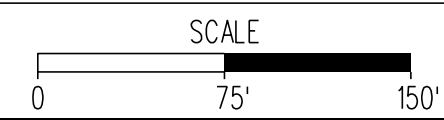


RTE. 1131 Lions Field Rd - STA. 100+00 TO 117+75:

X2 TO X13

60% PLANS

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PROJECT
EN24-076-380

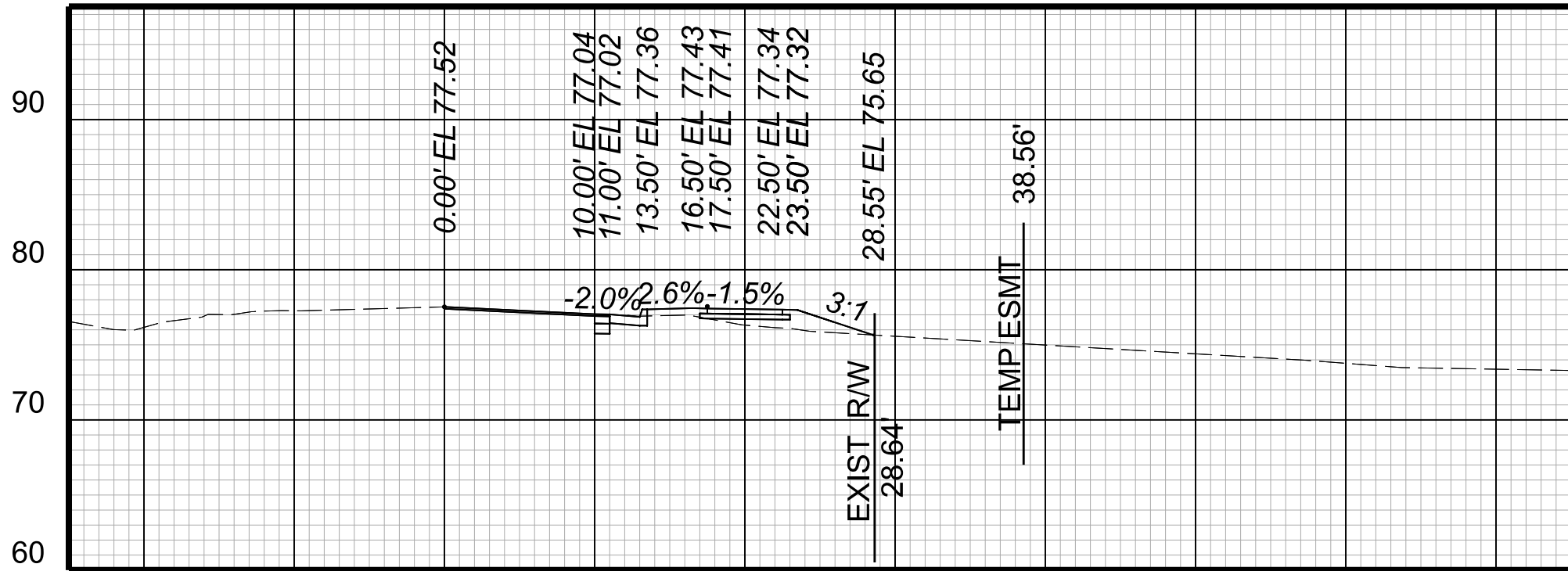
SHEET NO.
X1

PROJECT: MANAGER: Rami Bazlamit, PE, Prince William County, (703) 792-8164
SURVEYED BY, DATE: Tami Lenox, LS, ATCS, 02/23/2025, (703) 430-7500
DESIGN BY: William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500
SUBSURFACE UTILITY BY, DATE: Accumark, Inc, 03/04/2025, (804) 550-7740

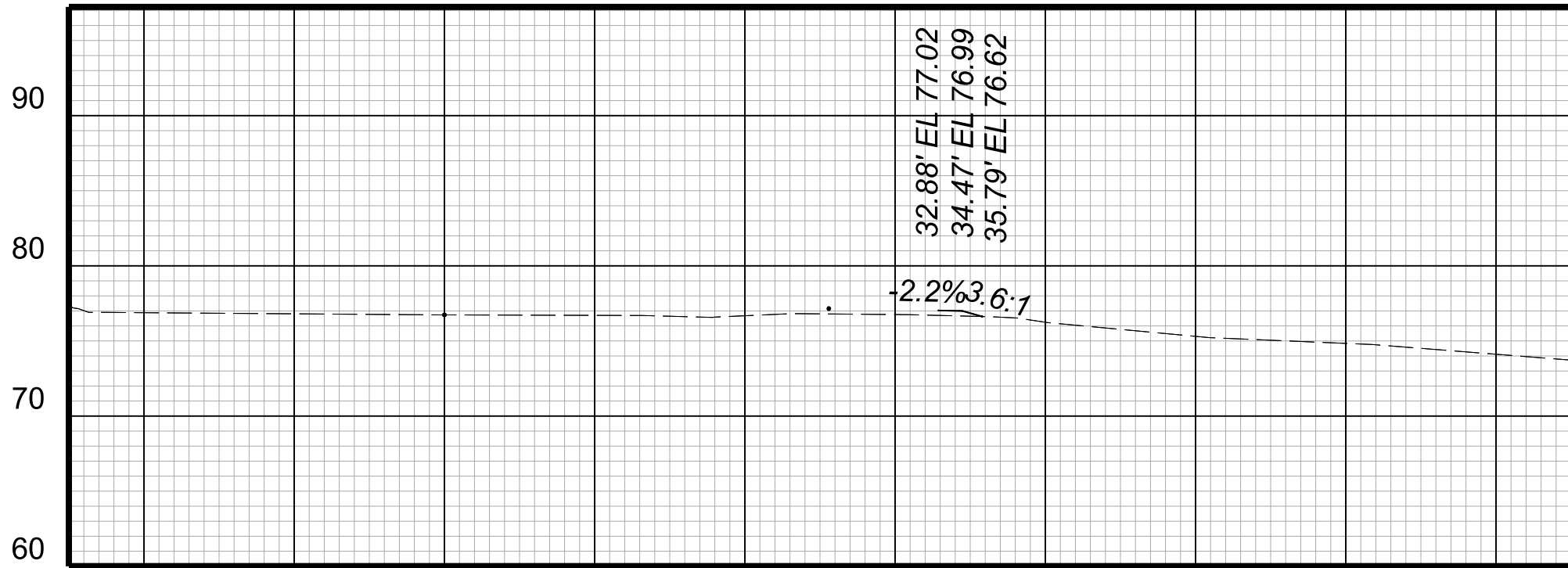
CROSS SECTIONS
SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
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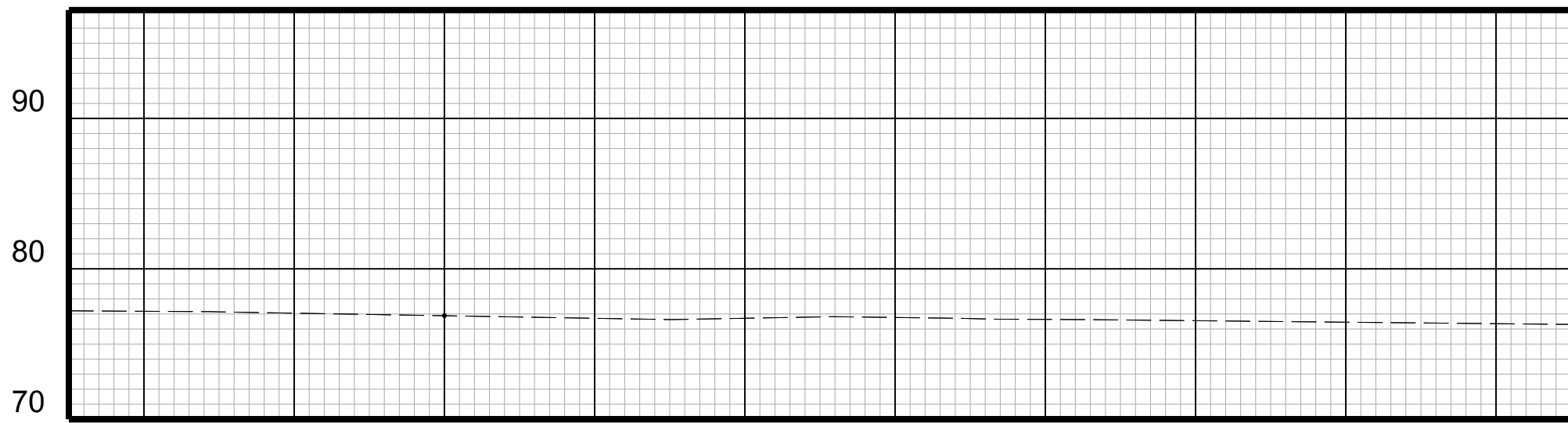
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 C501	X2



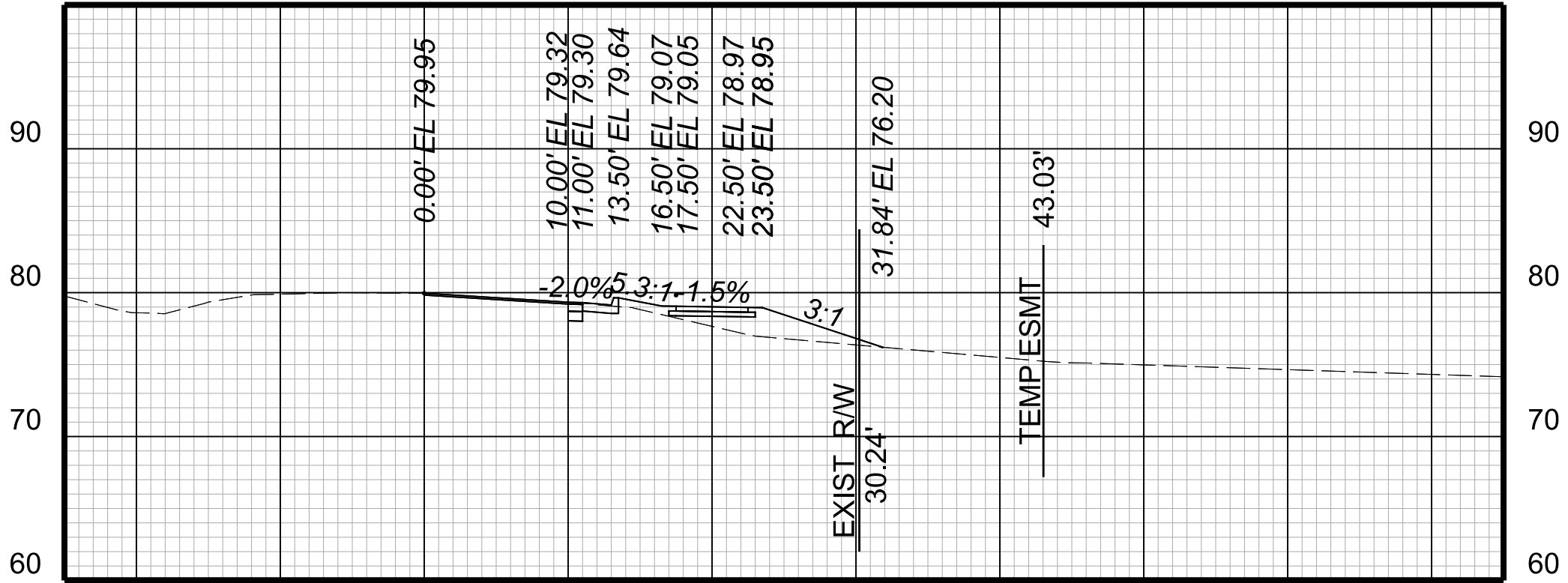
RTE1131_LIONSFIELD
STA 100+50.00



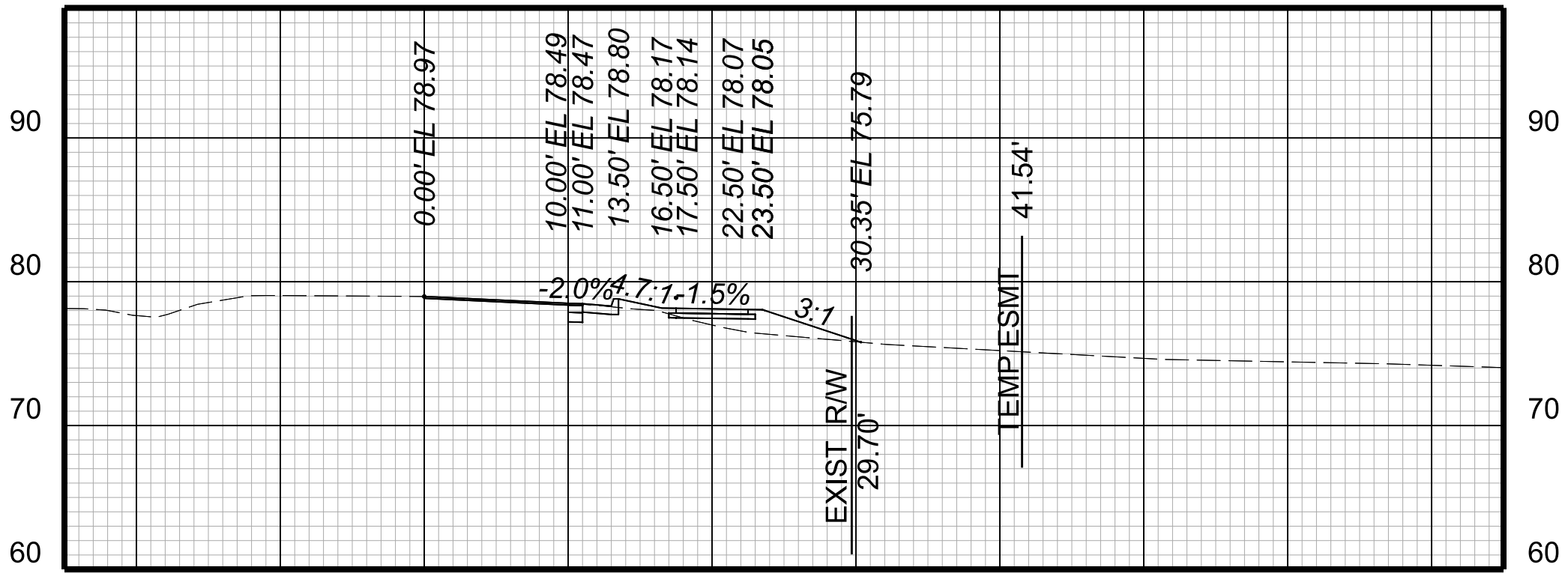
STA 100+25.00



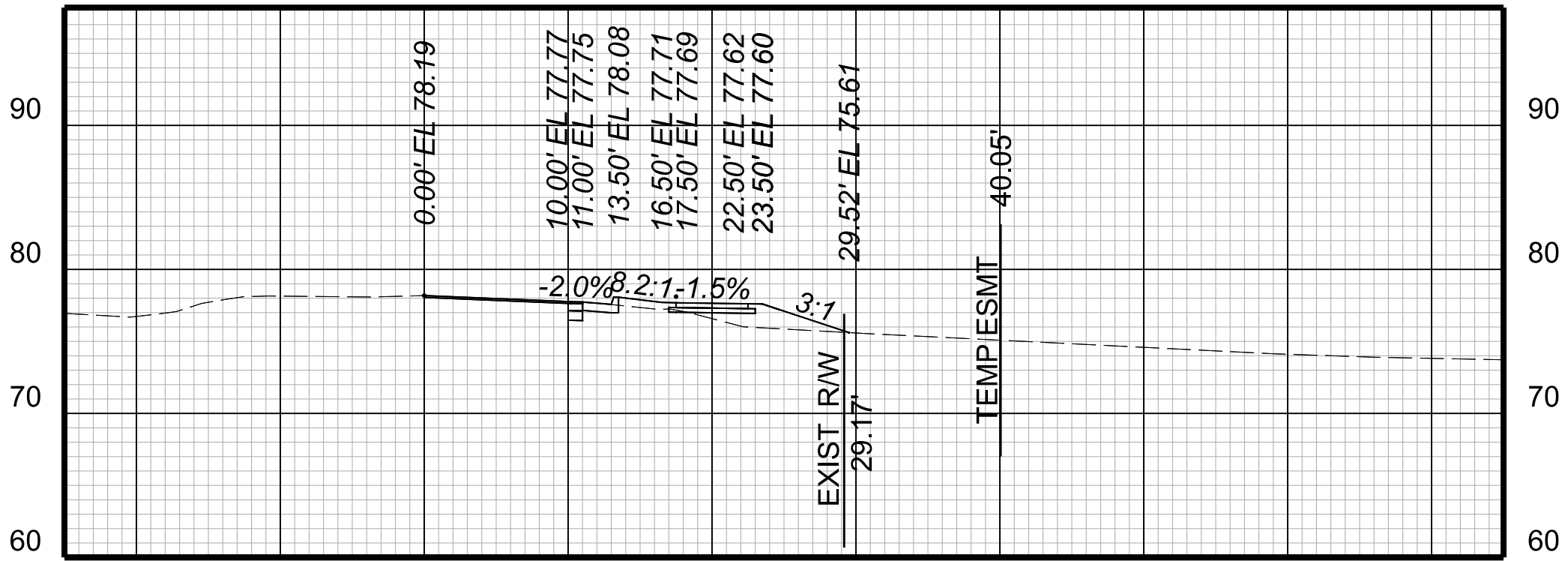
STA 100+00.00



RTE1131_LIONSFIELD
STA 101+25.00



RTE1131_LIONSFIELD
STA 101+00.00



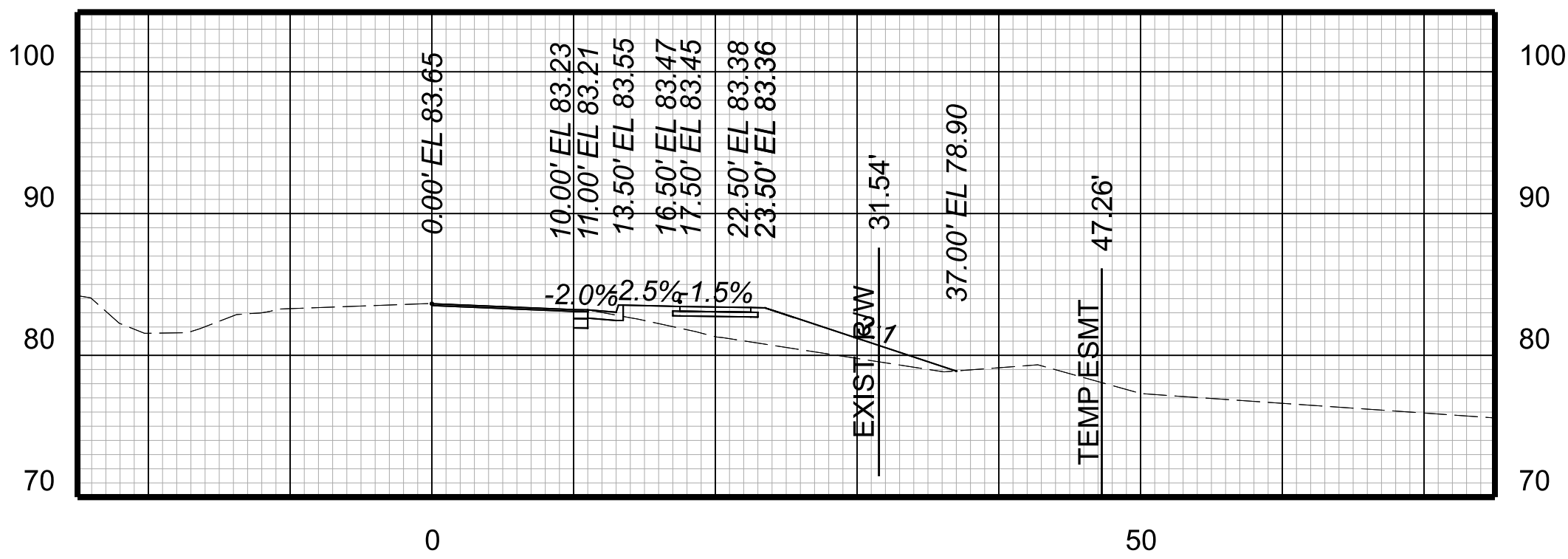
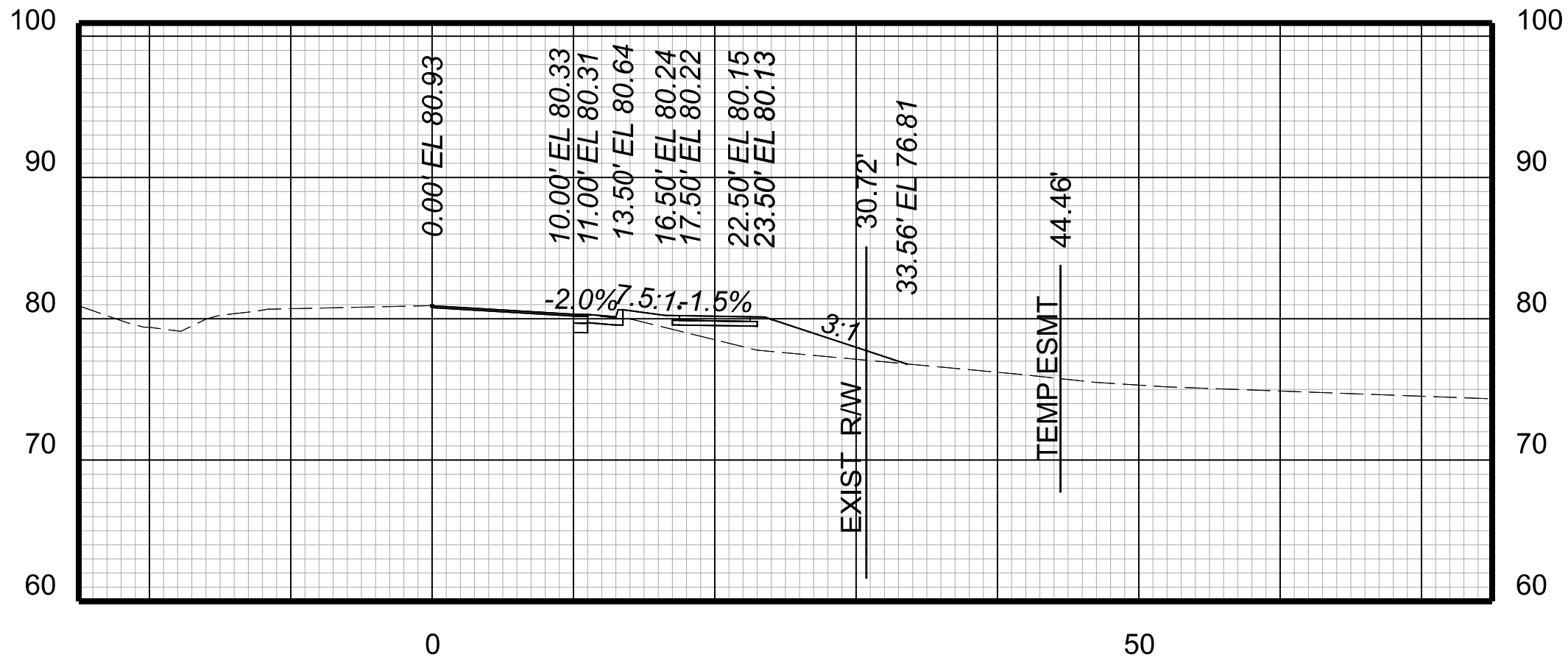
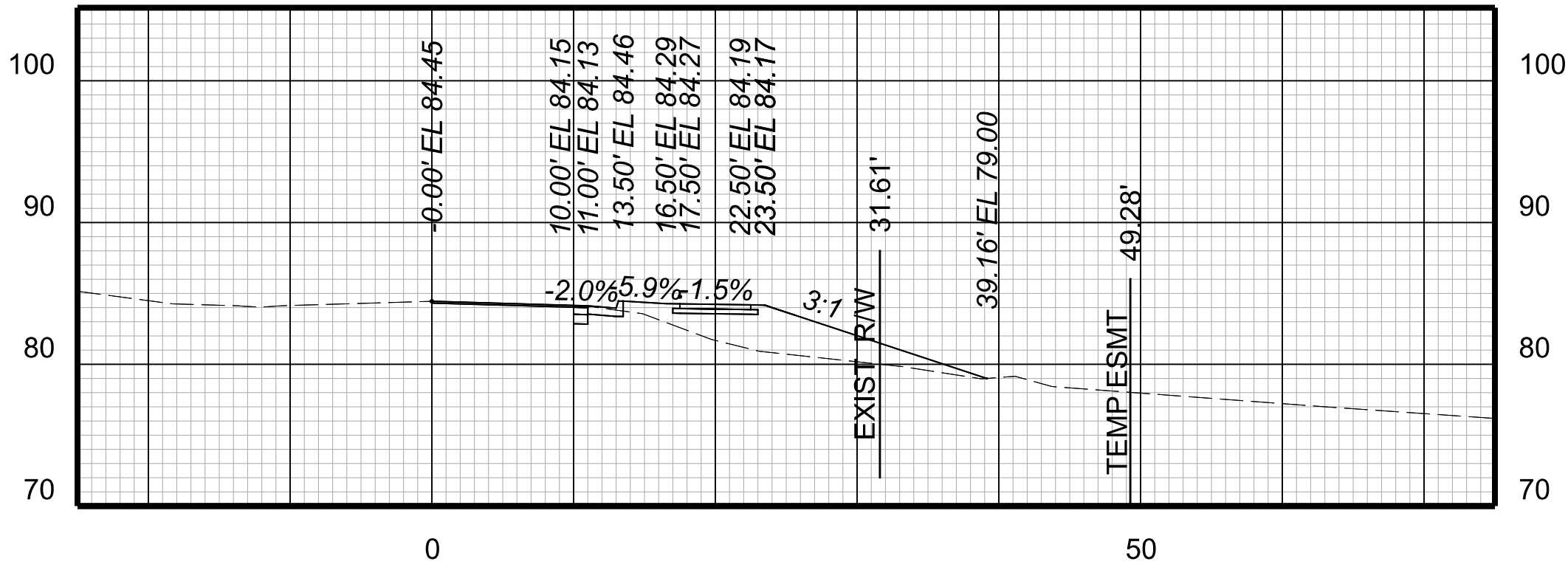
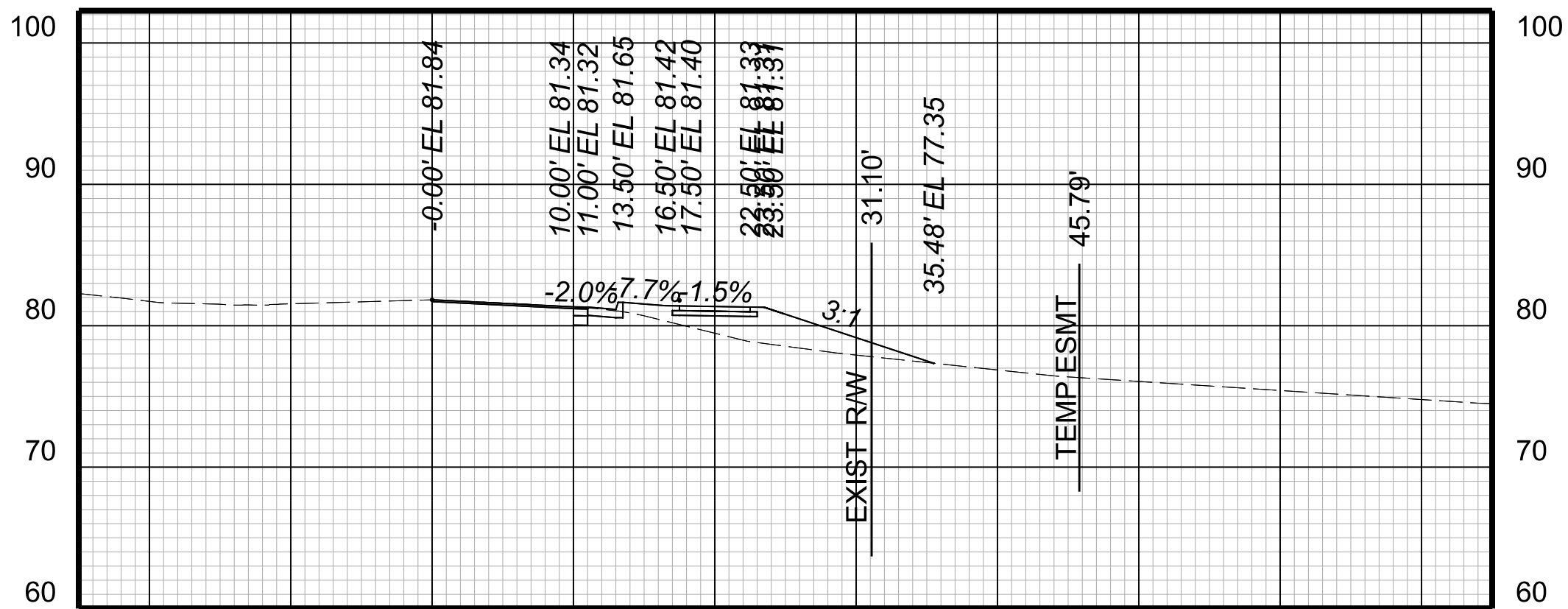
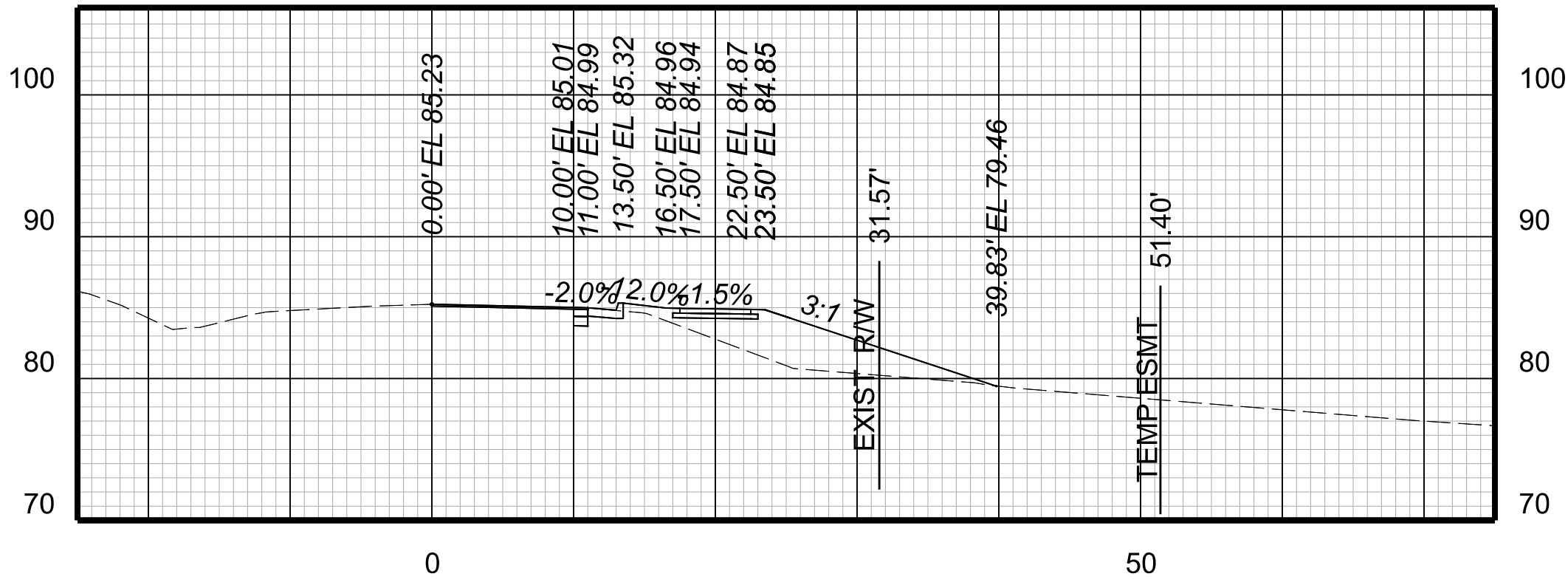
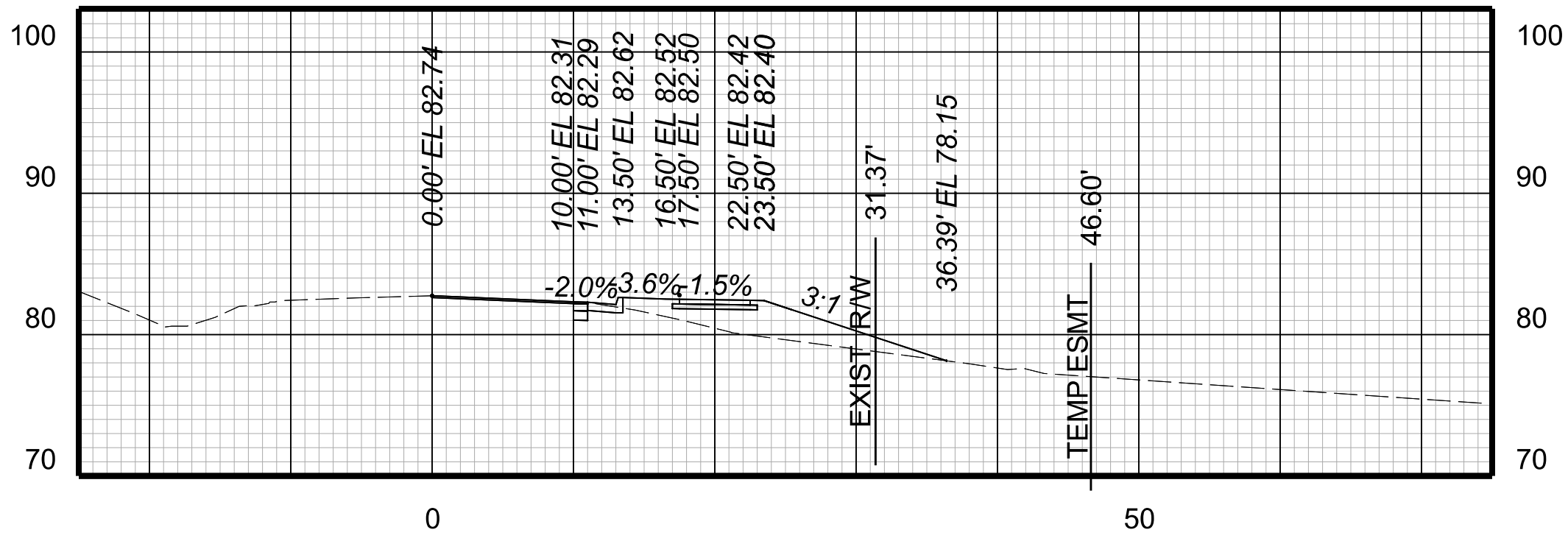
RTE1131_LIONSFIELD
STA 100+75.00

PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703) 792-8164
SURVEYED BY, DATE Tami Lenox, LS, ATCS, 02/23/2025, (703) 430-7500
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500
SUBSURFACE UTILITY BY, DATE Accumark, Inc, 03/04/2025, (804) 550-7740

CROSS SECTIONS
SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 C501	

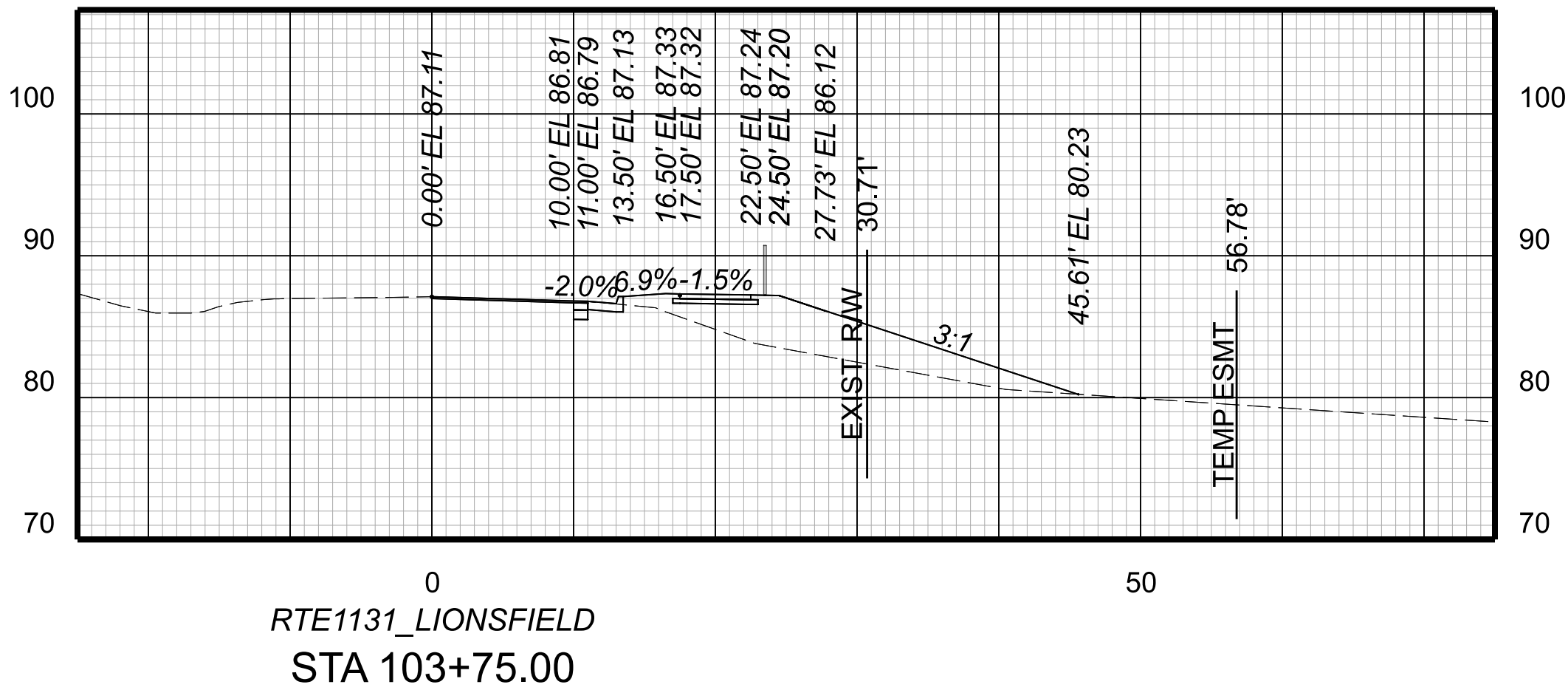
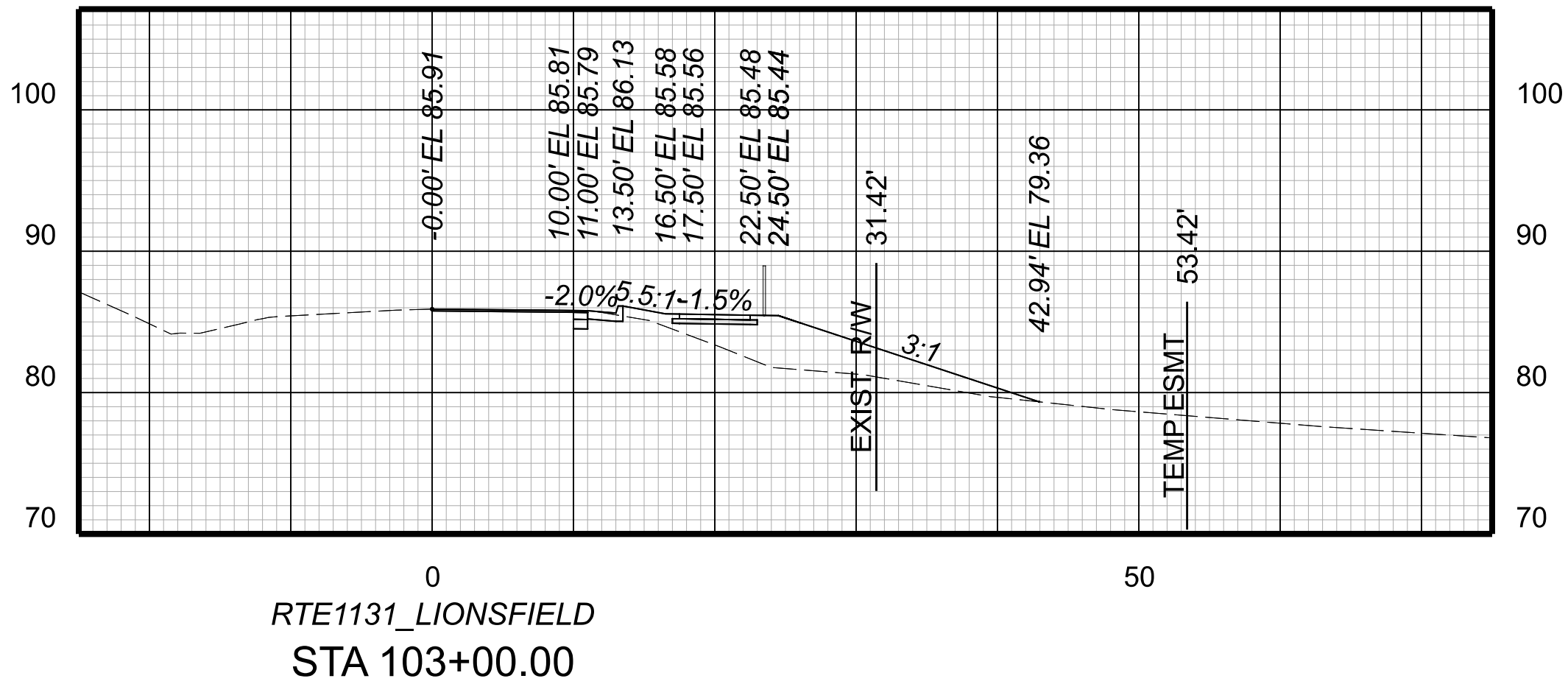
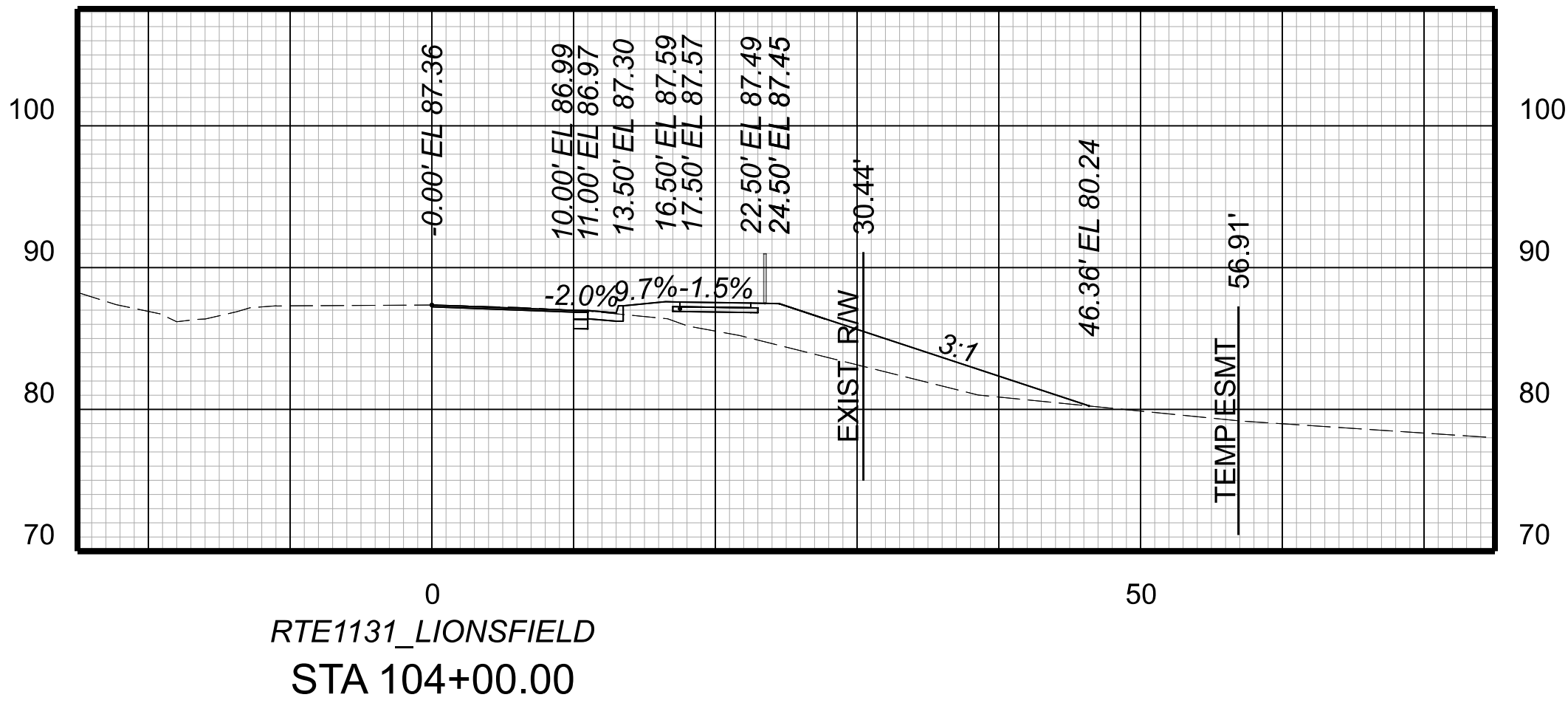
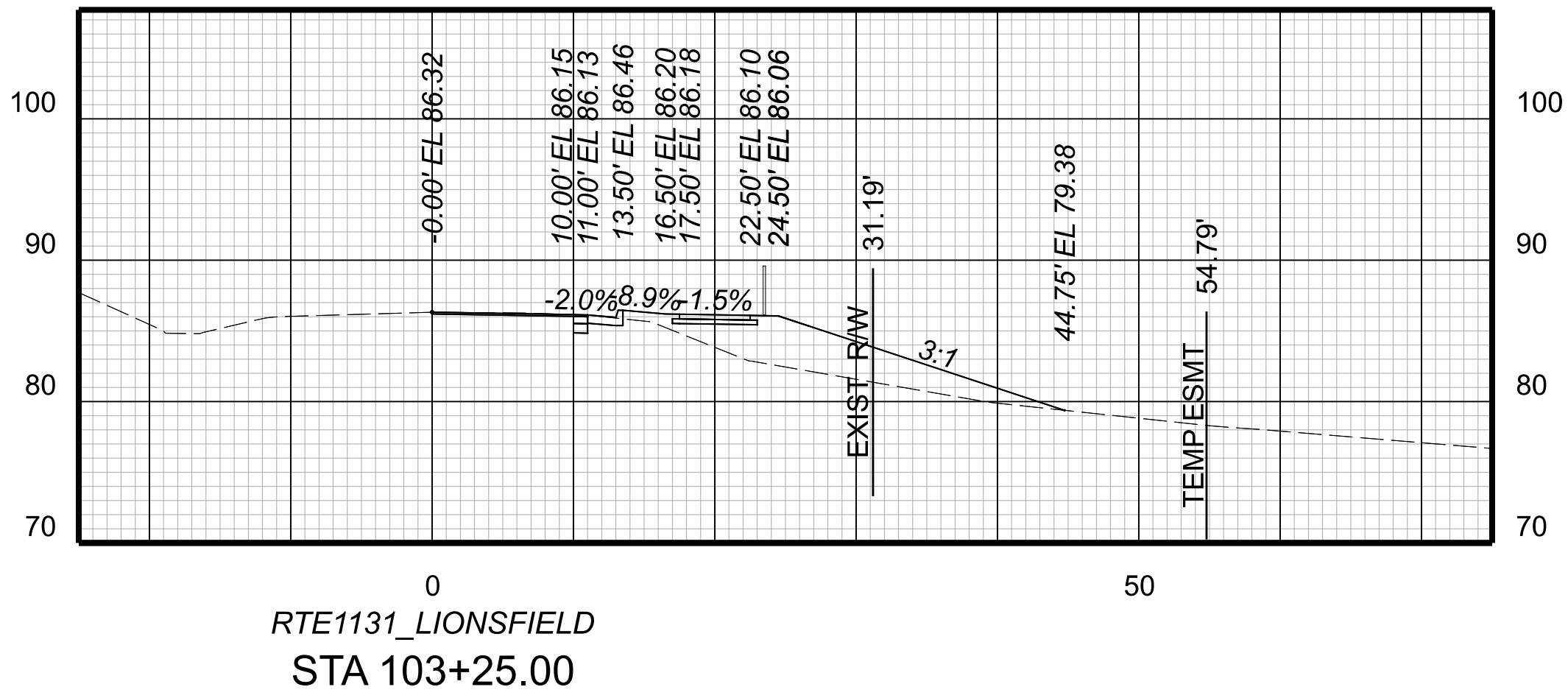
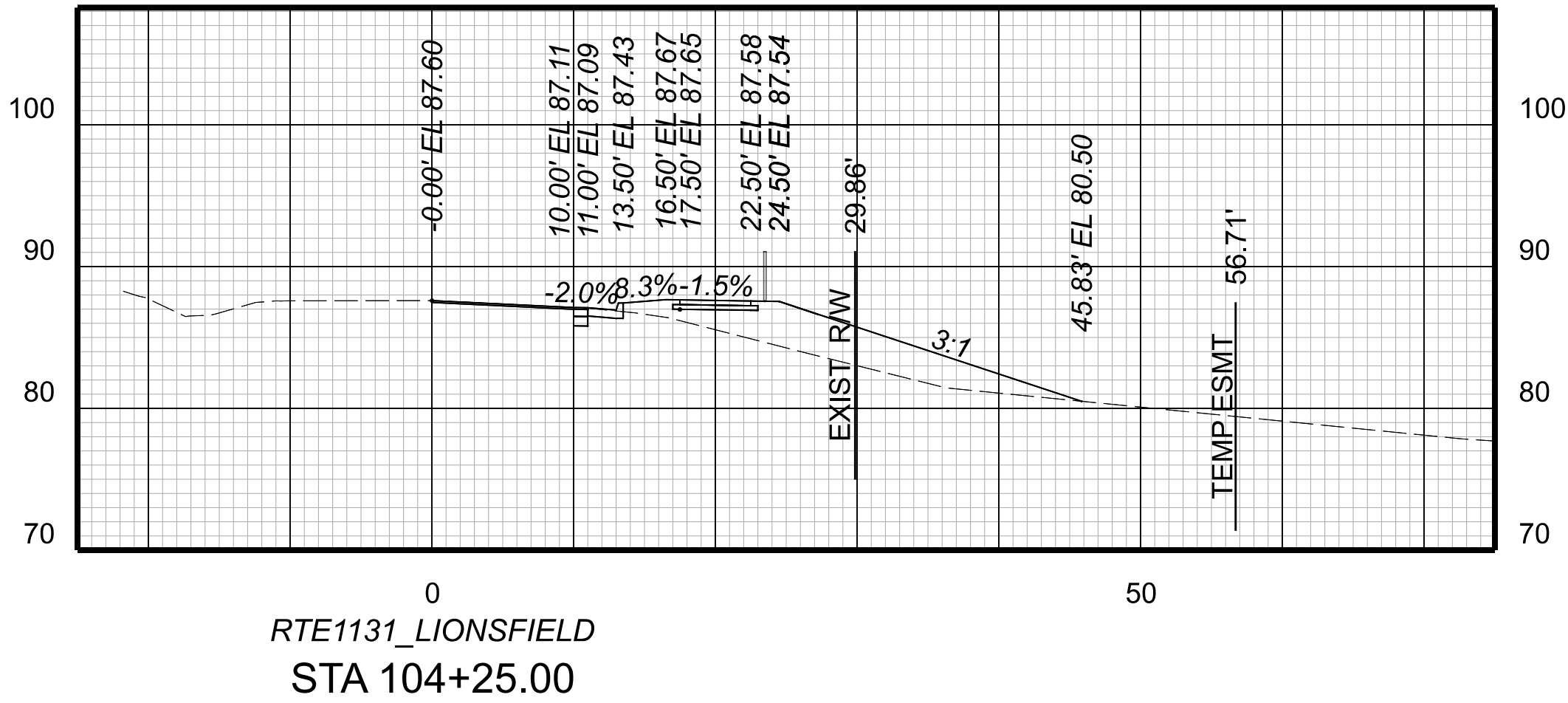
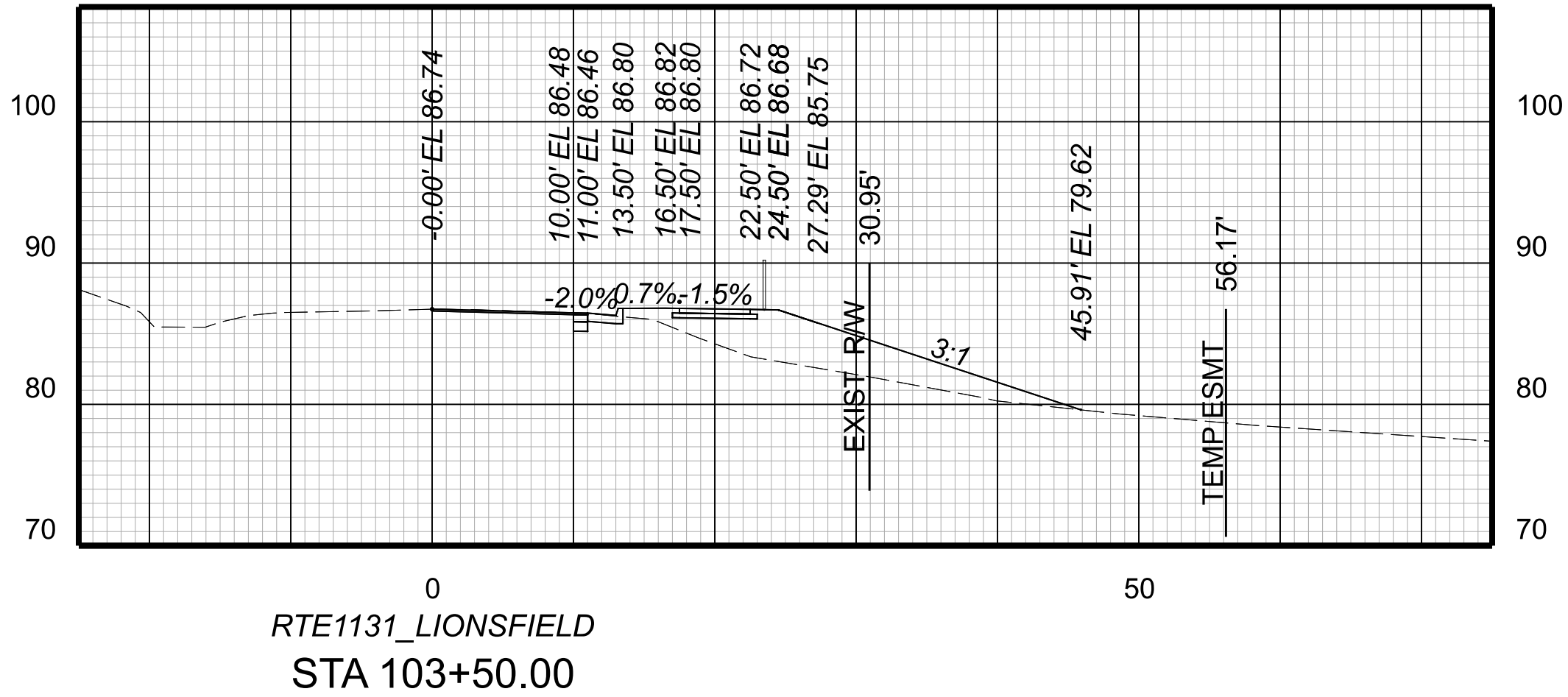


PROJECT: MANAGER: Rami Bazlamit, PE, Prince William County, (703) 792-8164
SURVEYED BY, DATE: Tami Lenox, LS, ATCS, 02/23/2025, (703) 430-7500
DESIGN BY: William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500
SUBSURFACE UTILITY BY, DATE: Accumark, Inc, 03/04/2025, (804) 550-7740

CROSS SECTIONS
SCALE 1 IN. = 10 FT

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 C501	

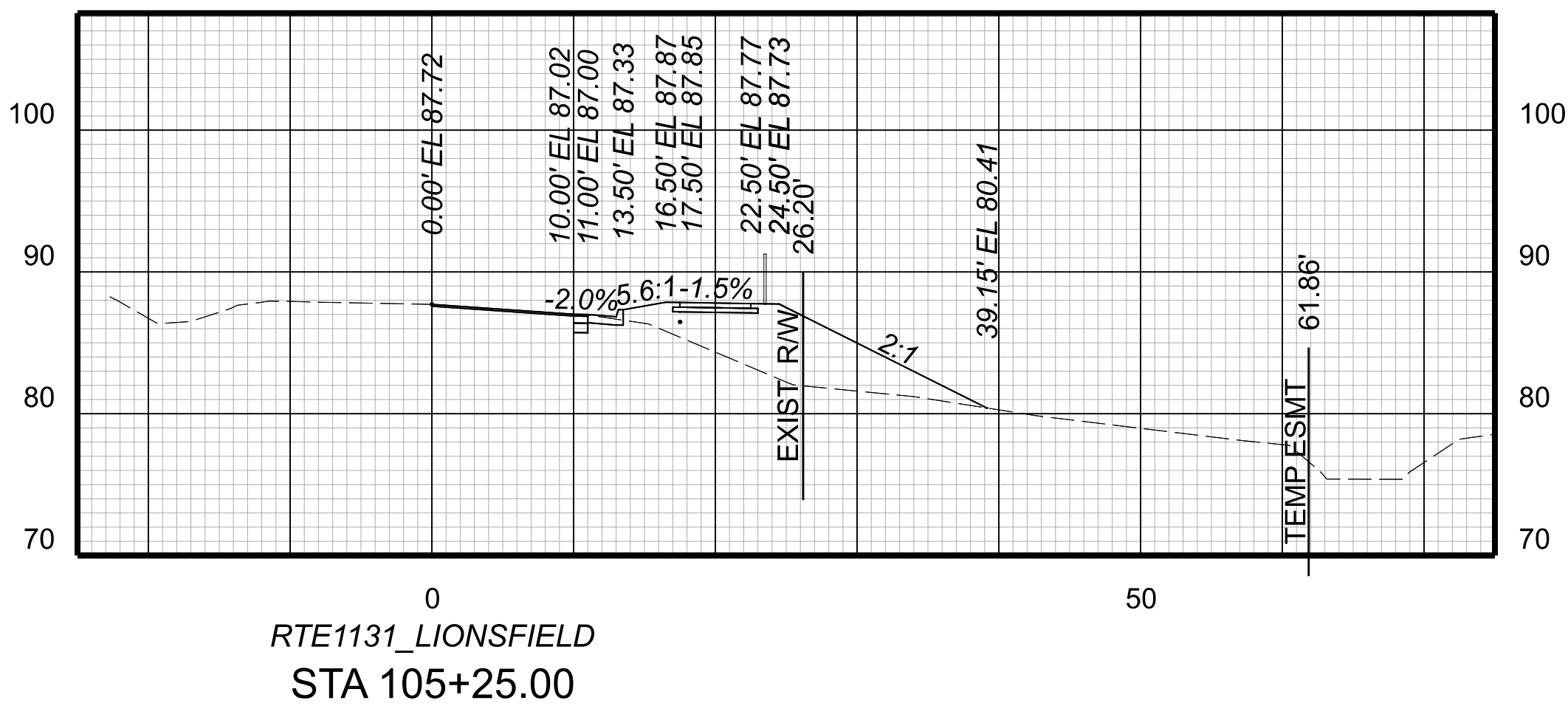
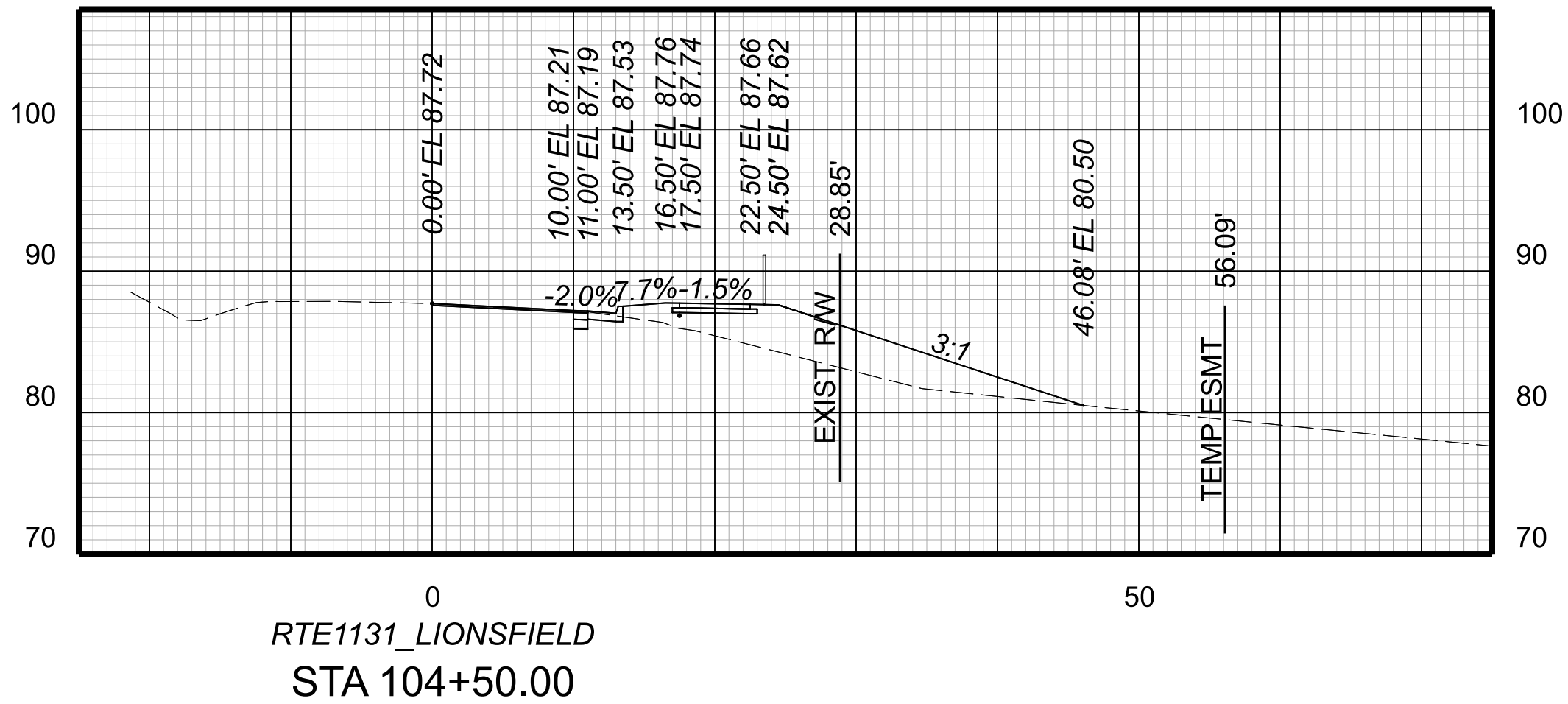
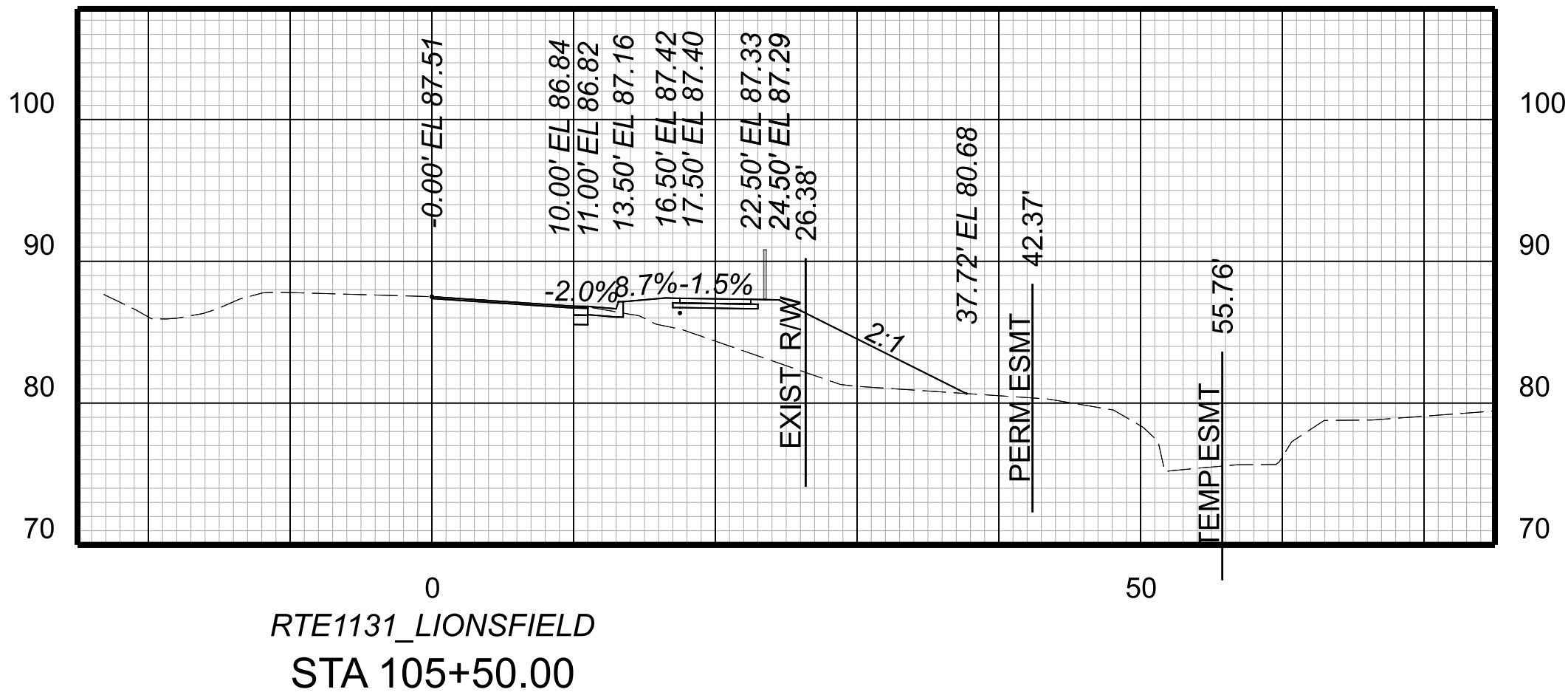
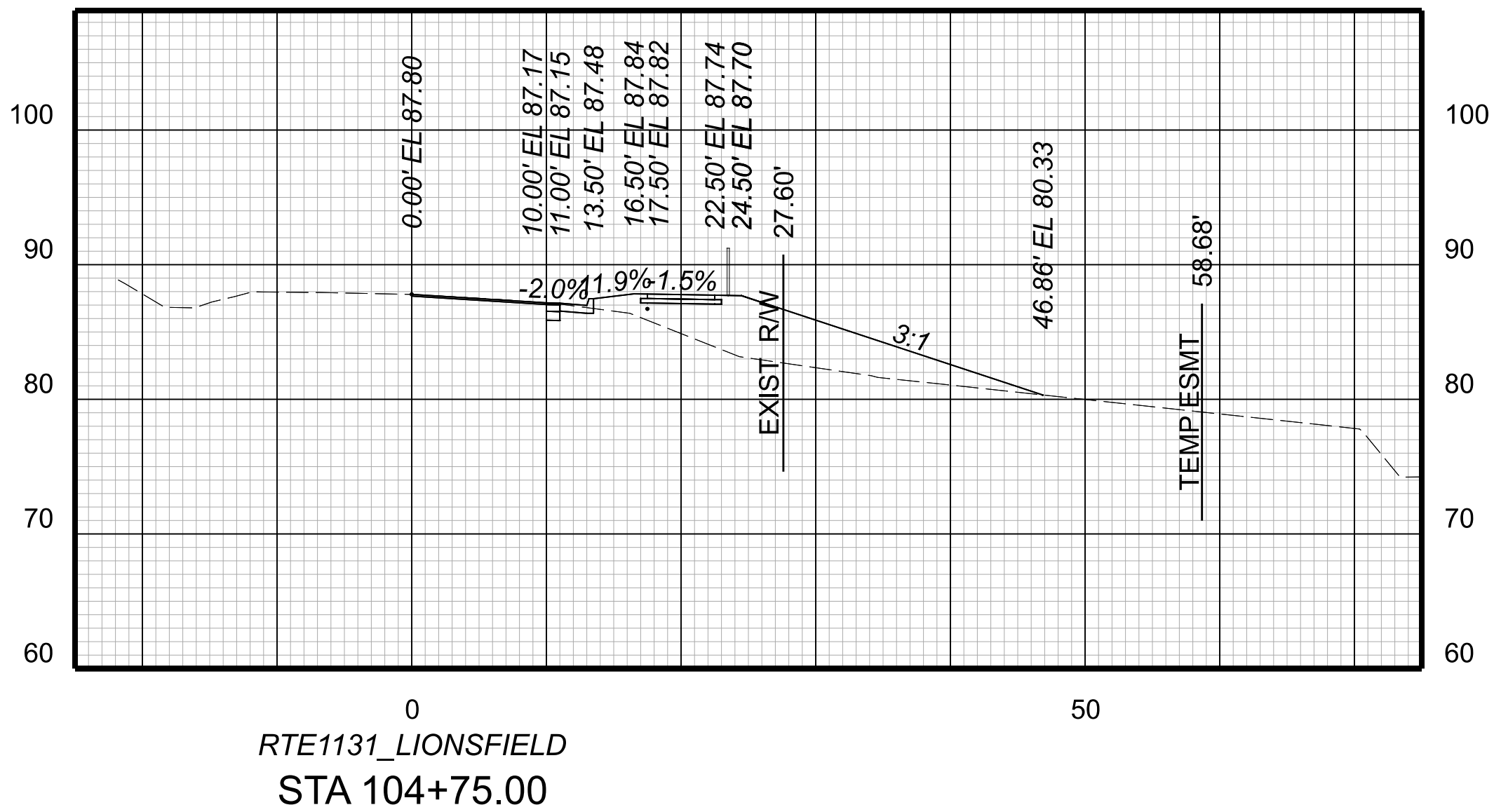
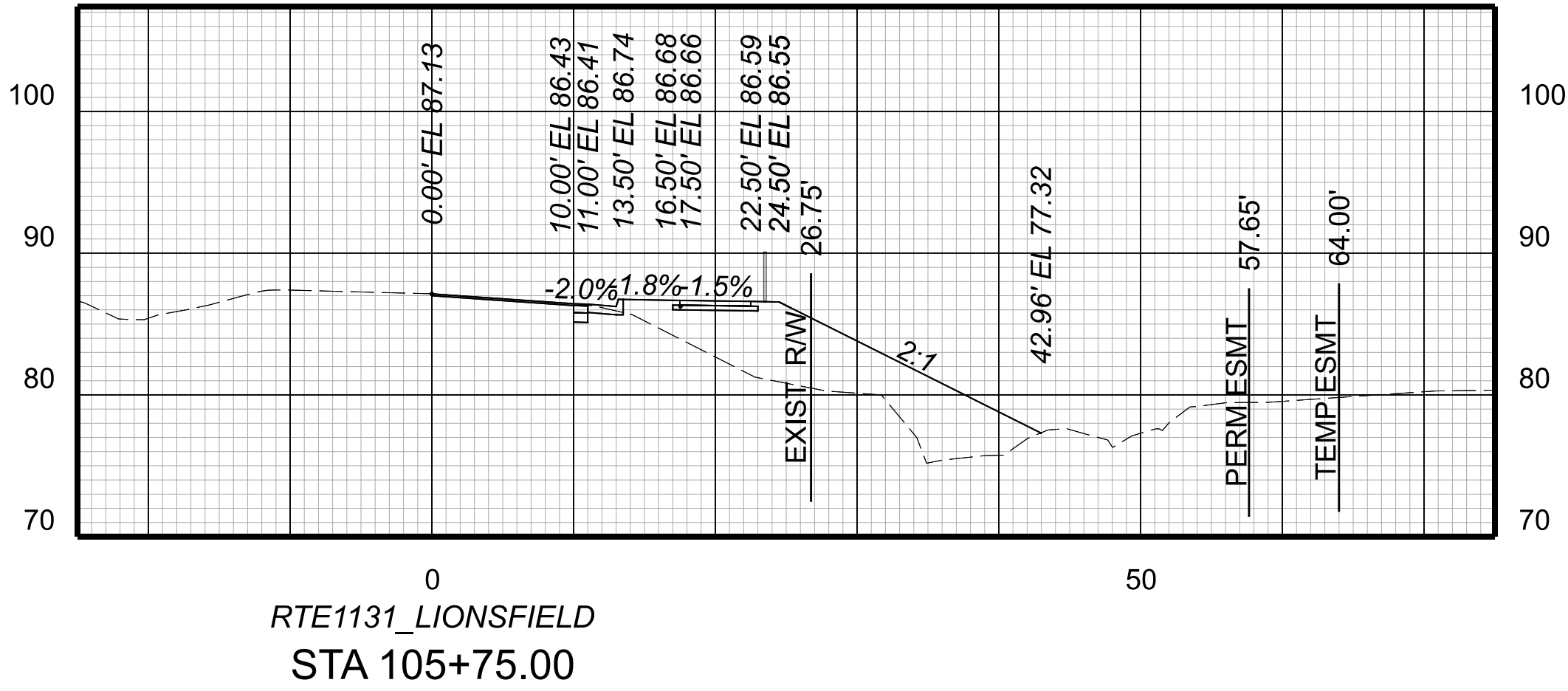
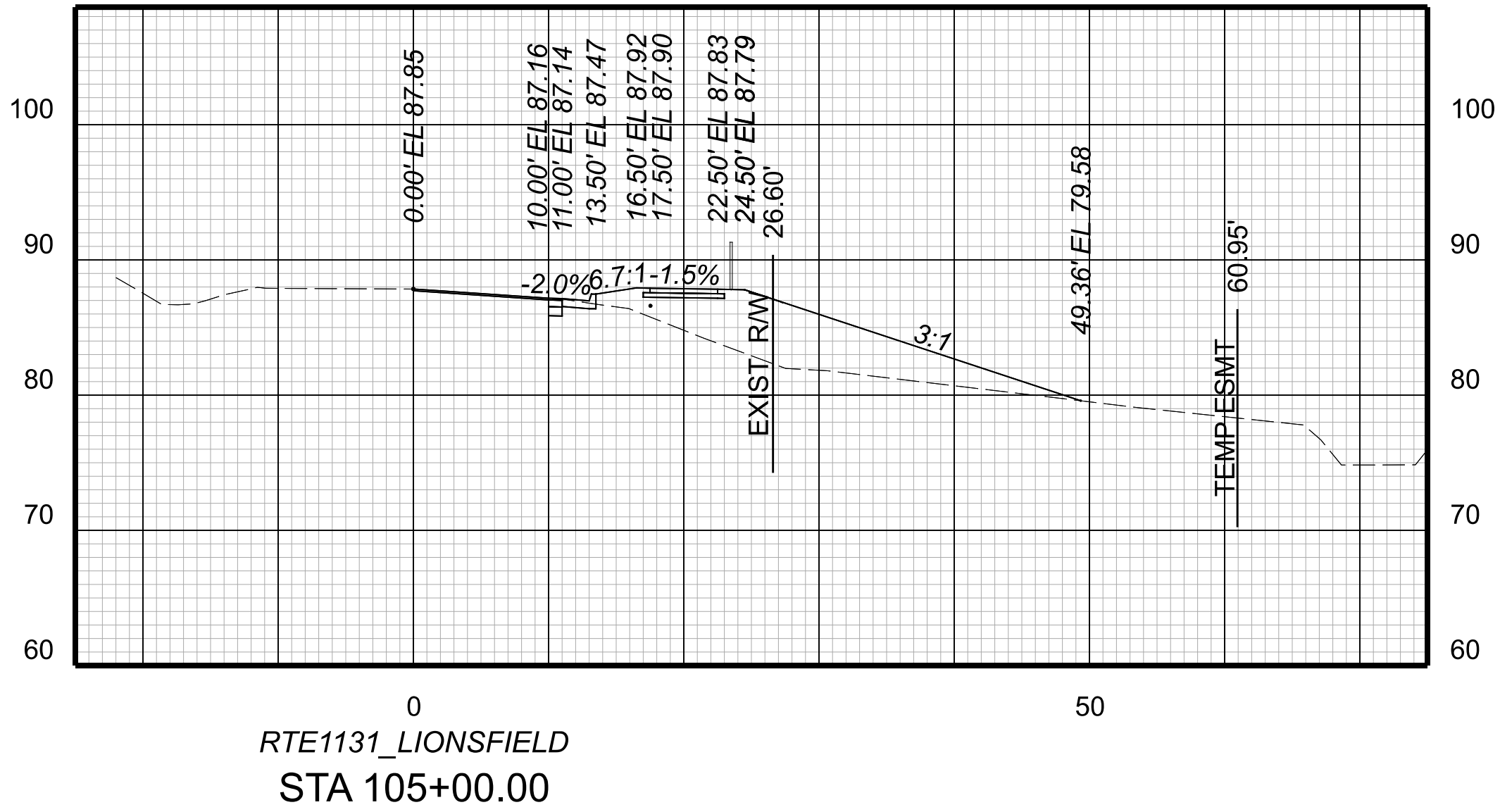


PROJECT: MANAGER Rami Bazlamit, PE, Prince William County, (703) 792-8164
SURVEYED BY, DATE Tami Lenox, LS, ATCS, 02/23/2025, (703) 430-7500
DESIGN BY William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500
SUBSURFACE UTILITY BY, DATE Accurmark, Inc, 03/04/2025, (804) 550-7740

CROSS SECTIONS
SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1131	EN24-076-380 C501	X5

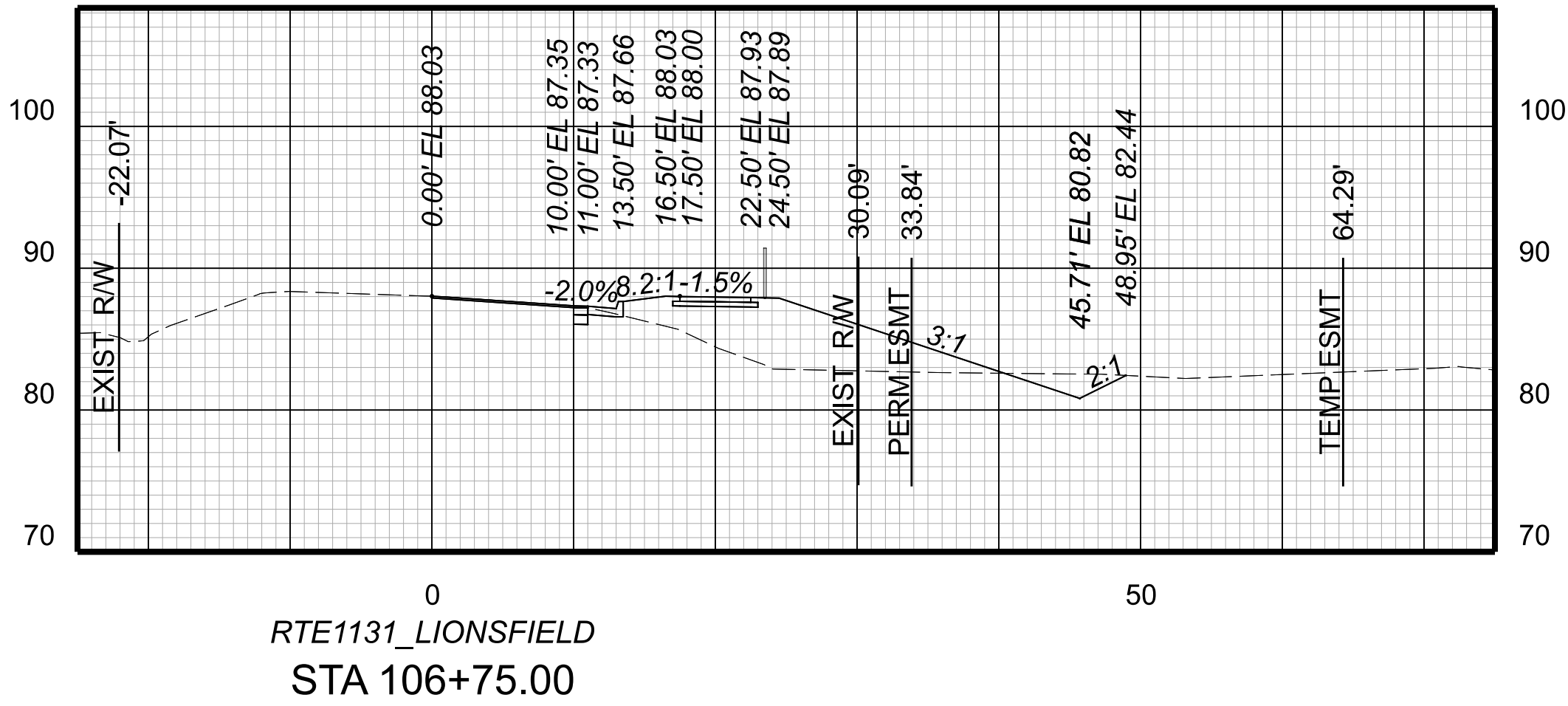
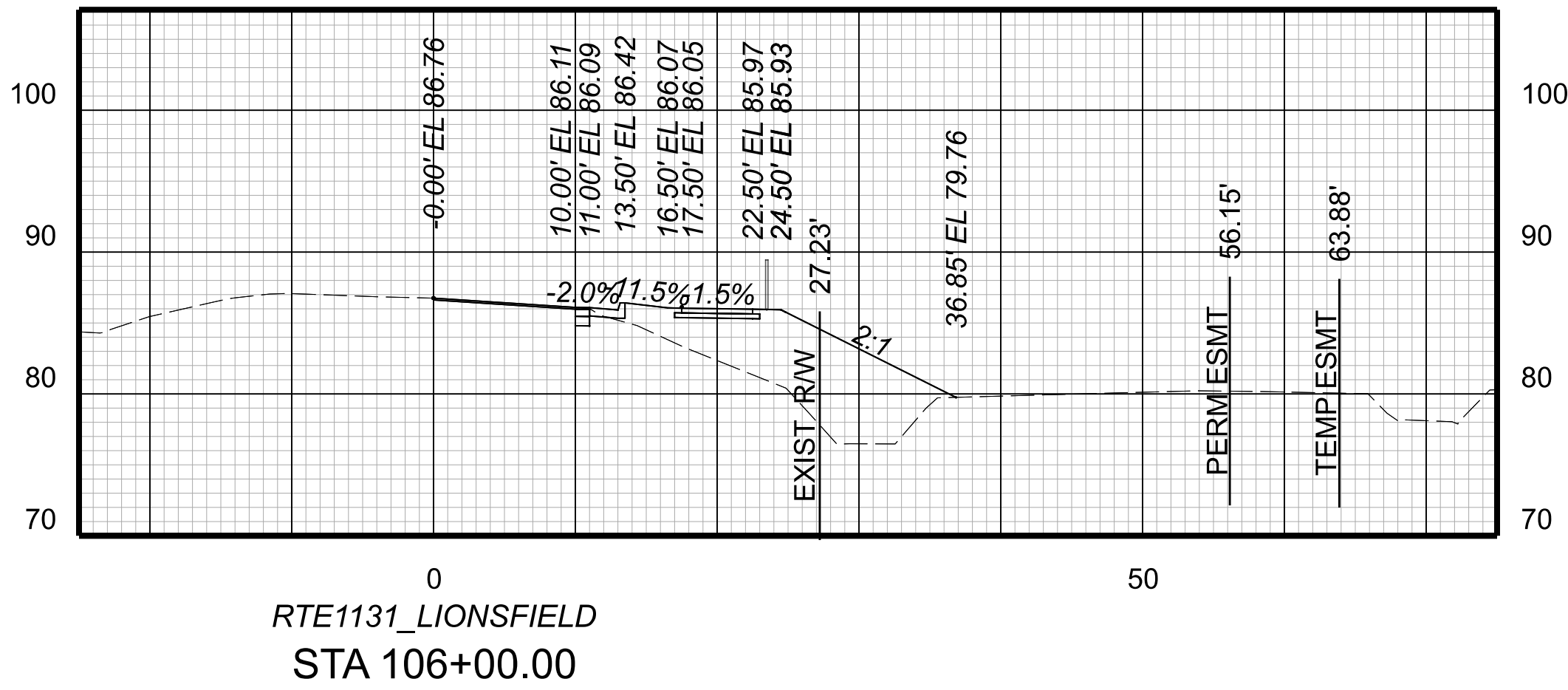
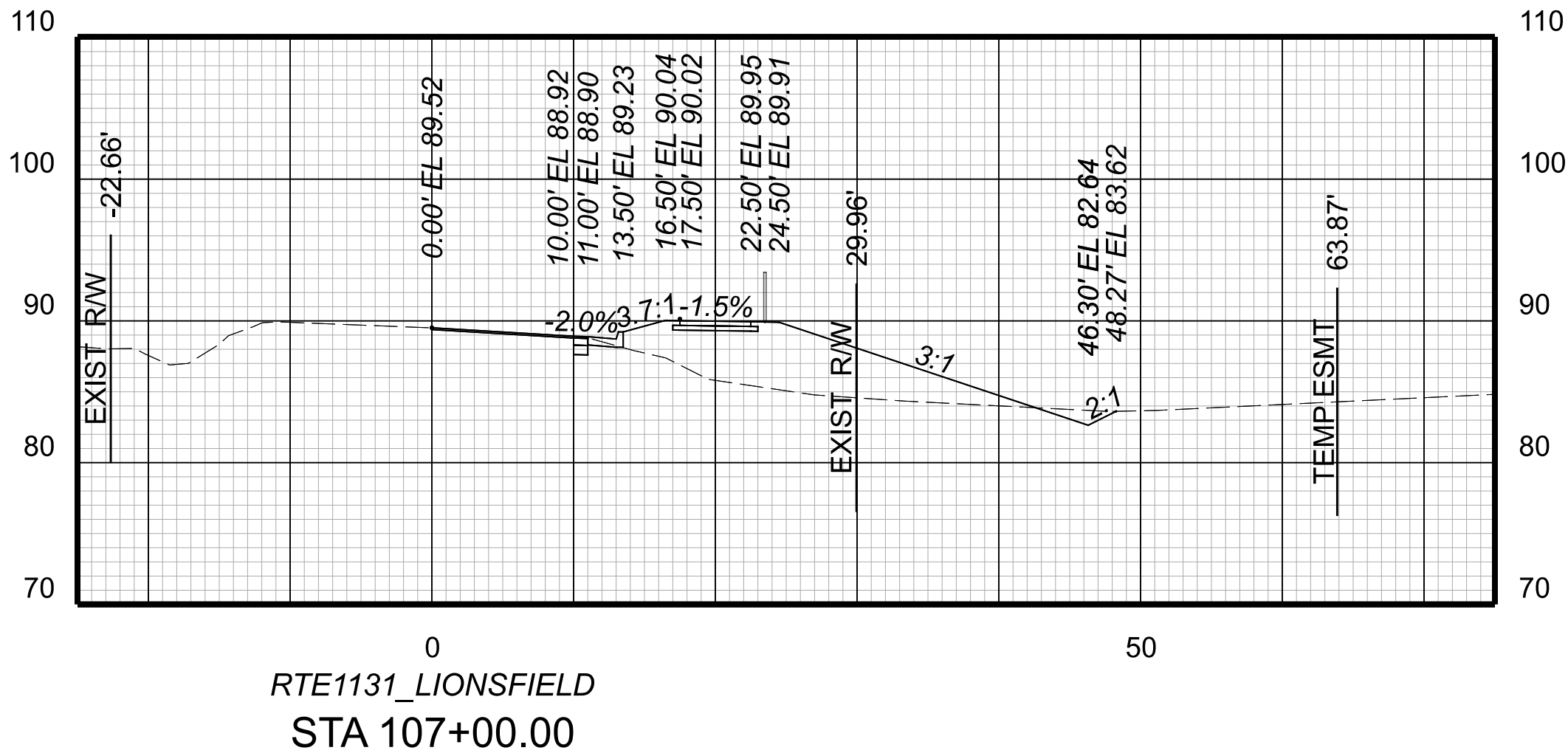
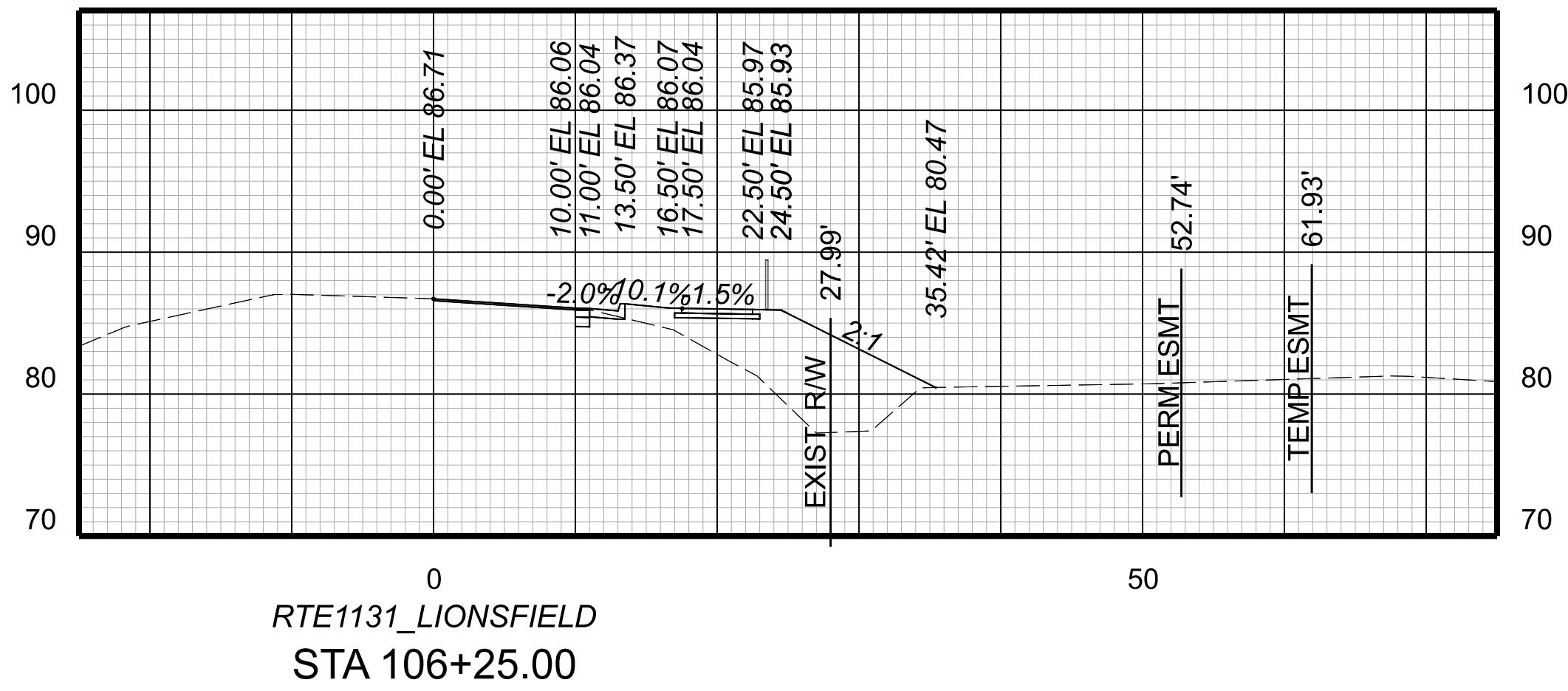
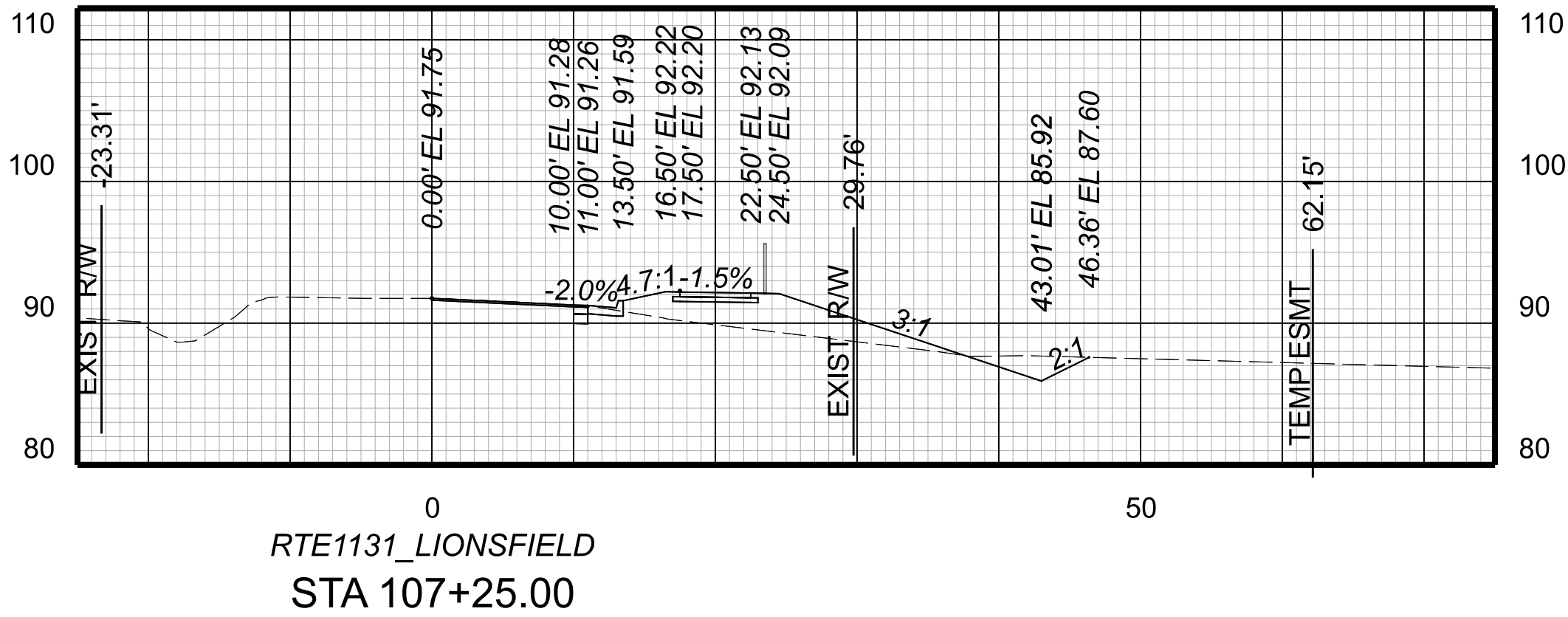
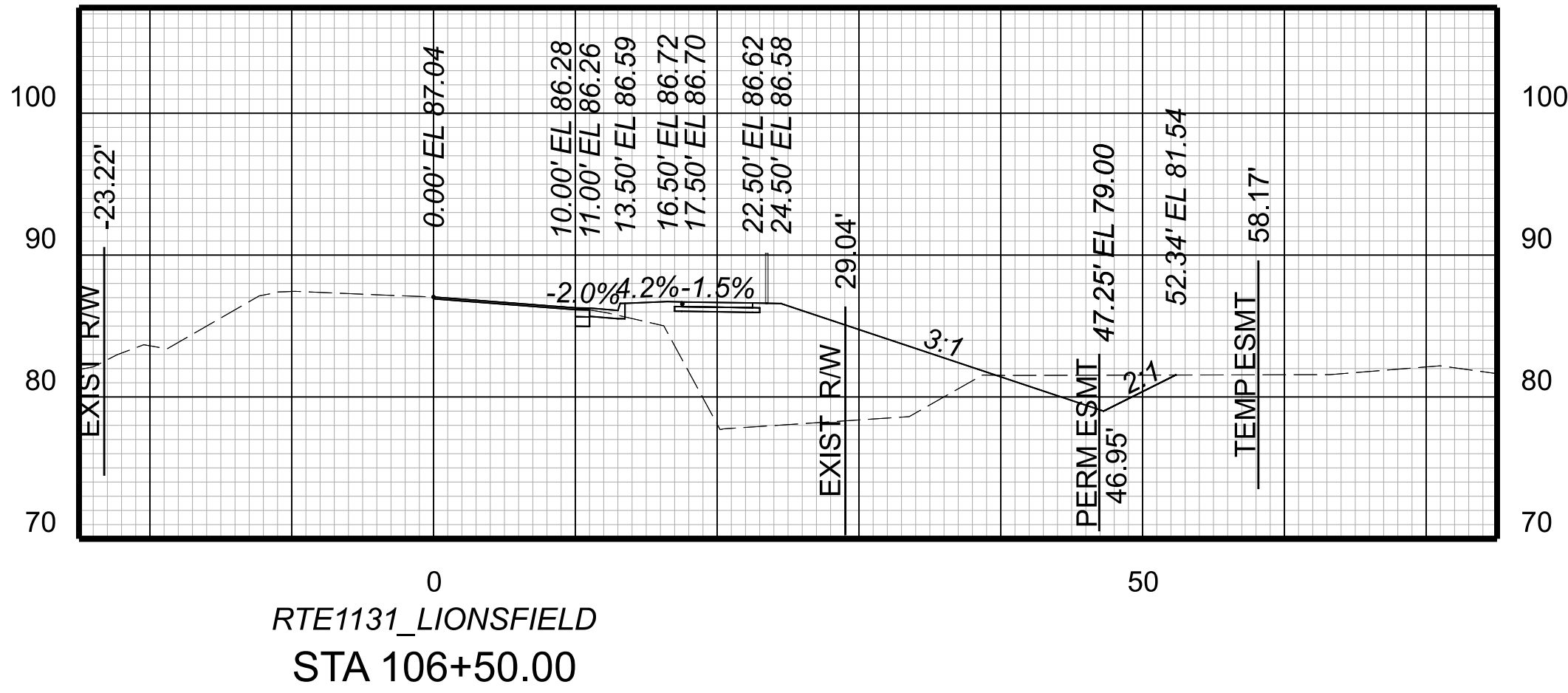


PROJECT MANAGER: Rami Bazlamit, PE, Prince William County, (703) 792-8164
SURVEYED BY, DATE: Tami Lenox, LS, ATCS, 02/23/2025, (703) 430-7500
DESIGN BY: William Leonetti, PE, ATCS, 02/23/2025, (703) 430-7500
SUBSURFACE UTILITY BY, DATE: Accumark, Inc, 03/04/2025, (804) 550-7740

CROSS SECTIONS
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REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1131	EN24-076-380 C501	X6

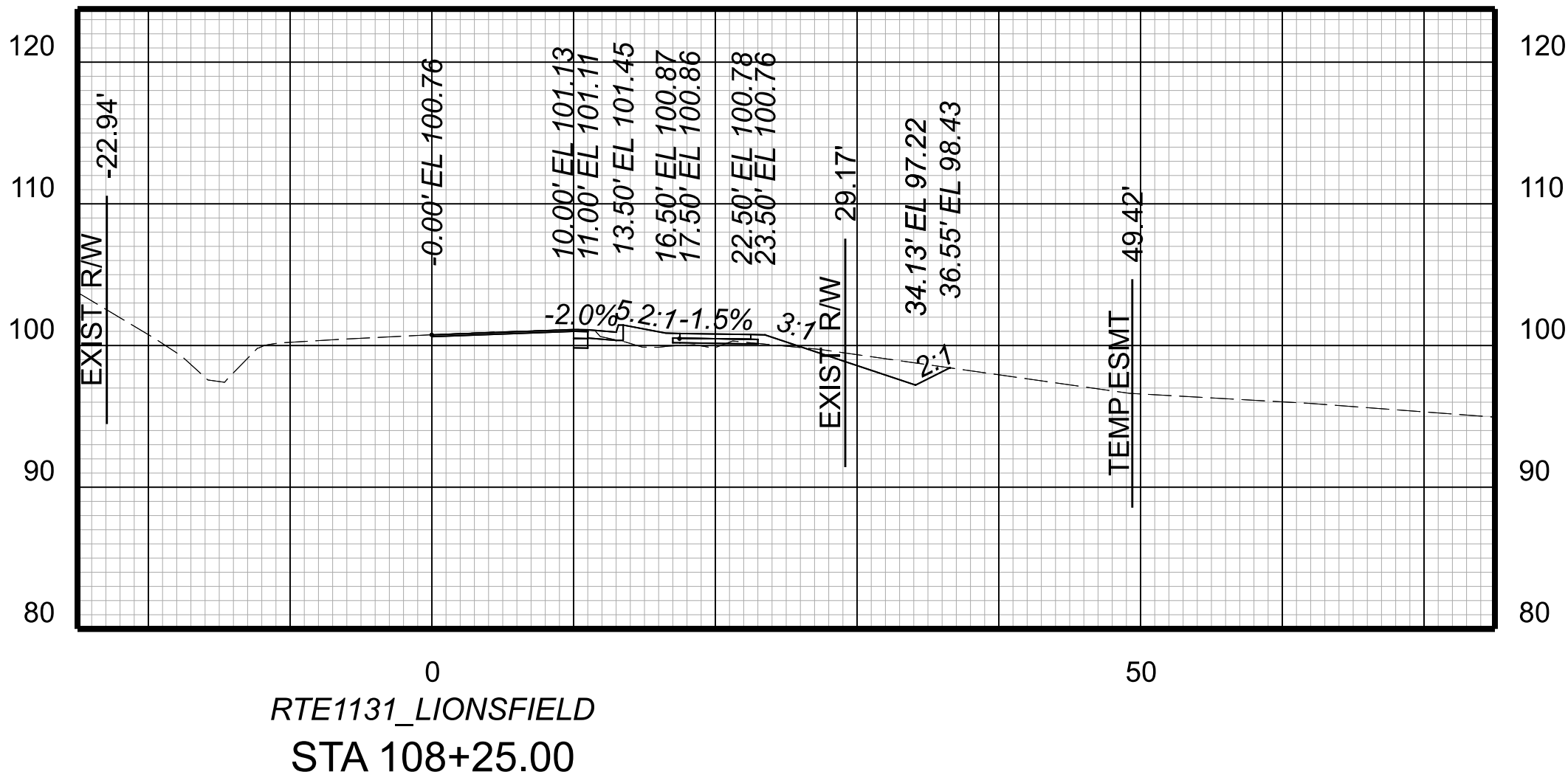
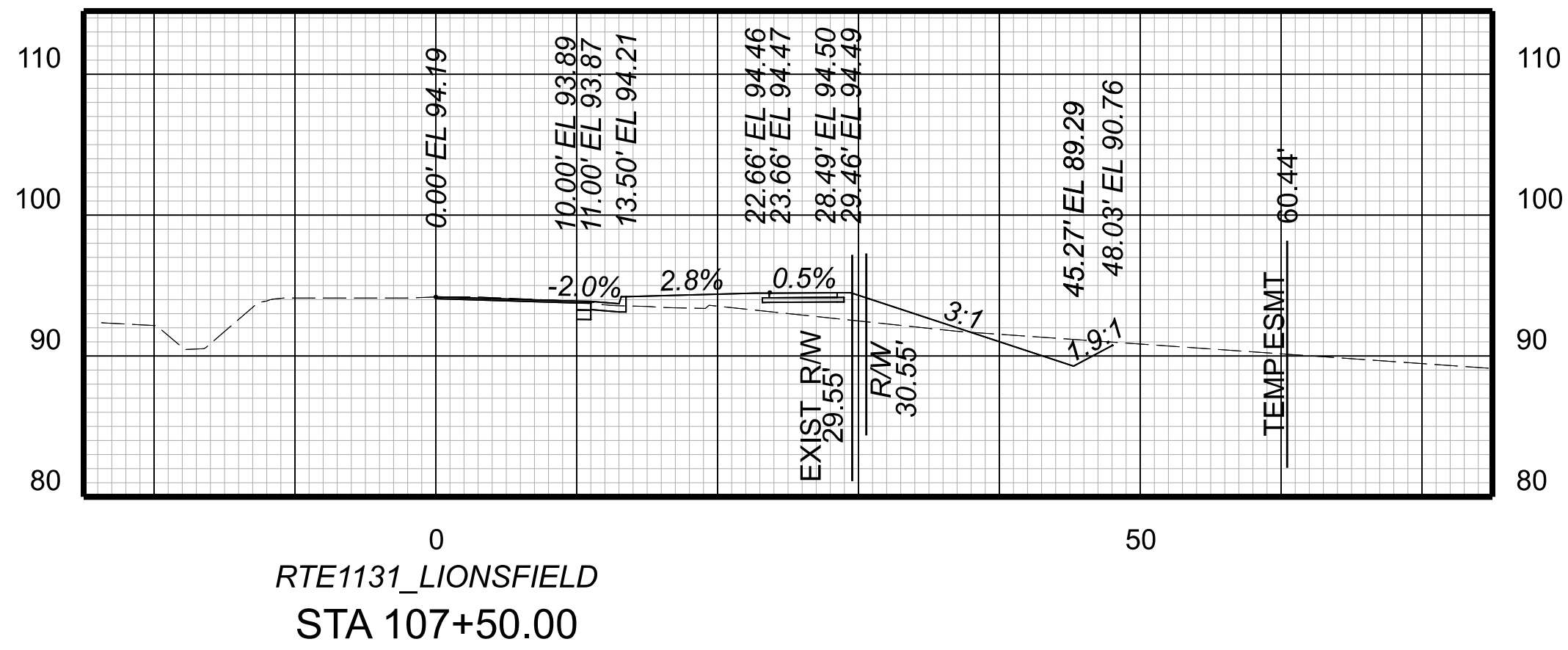
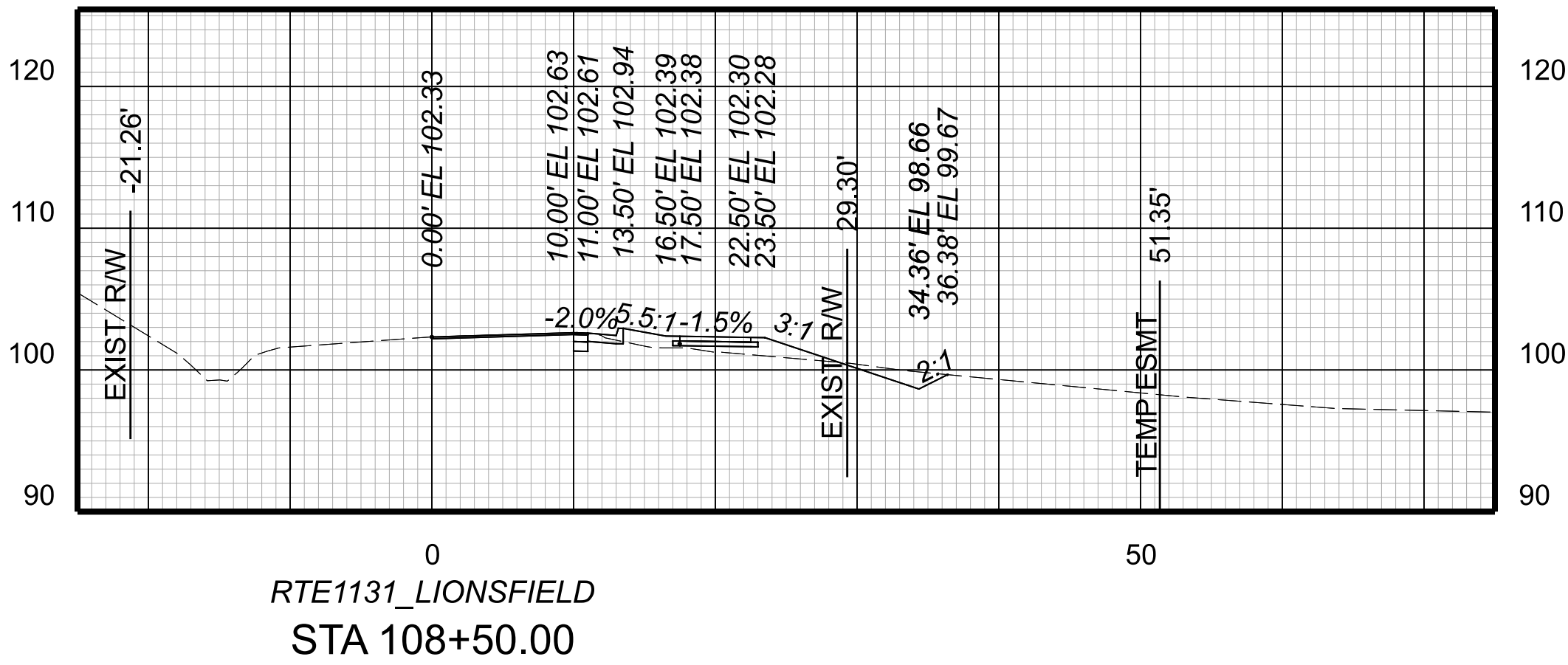
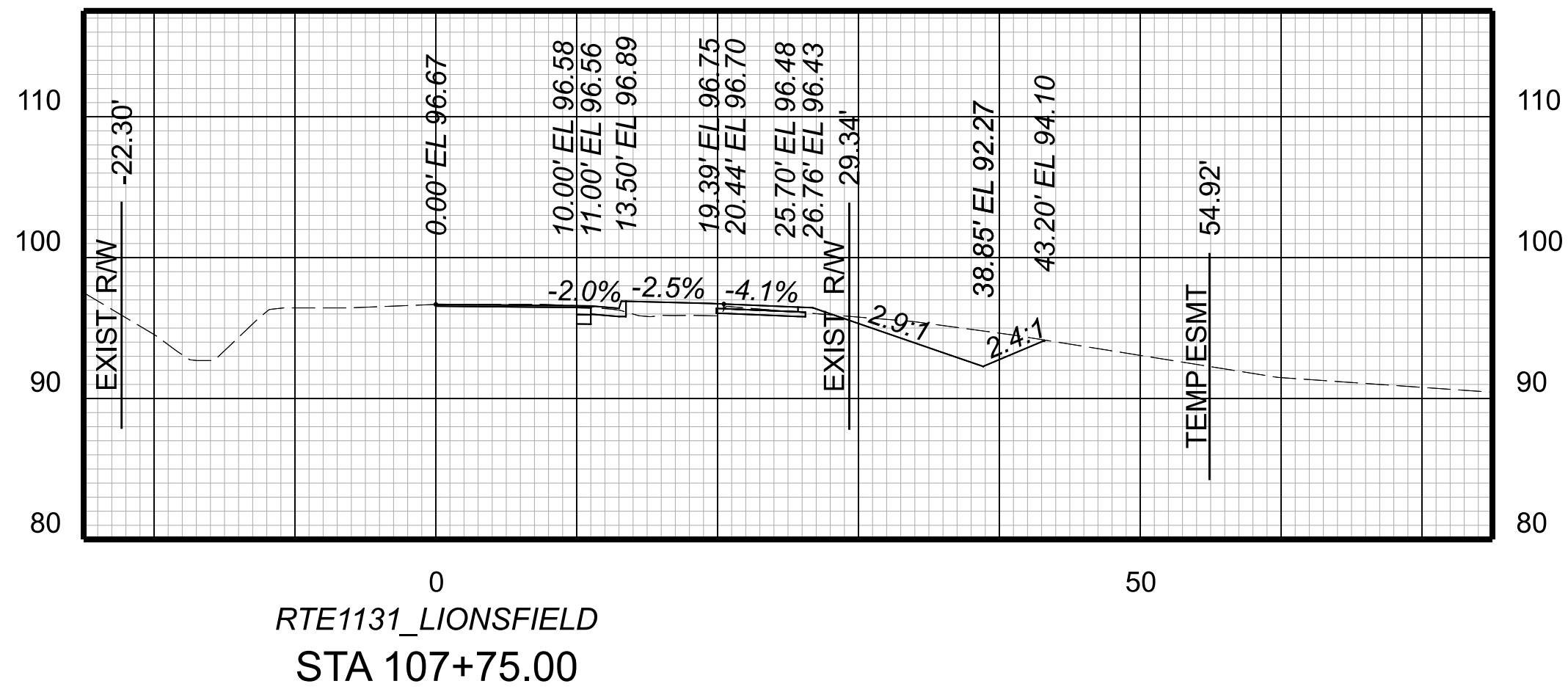
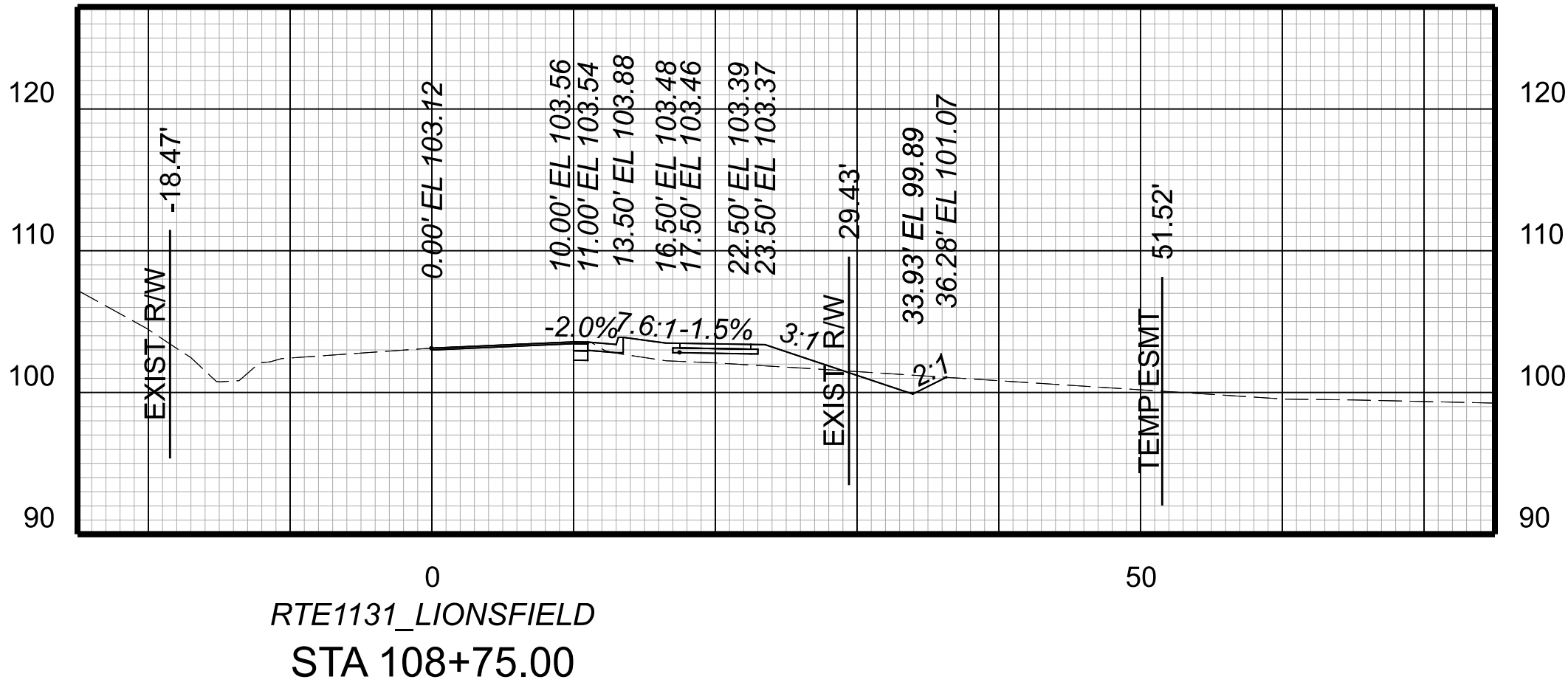
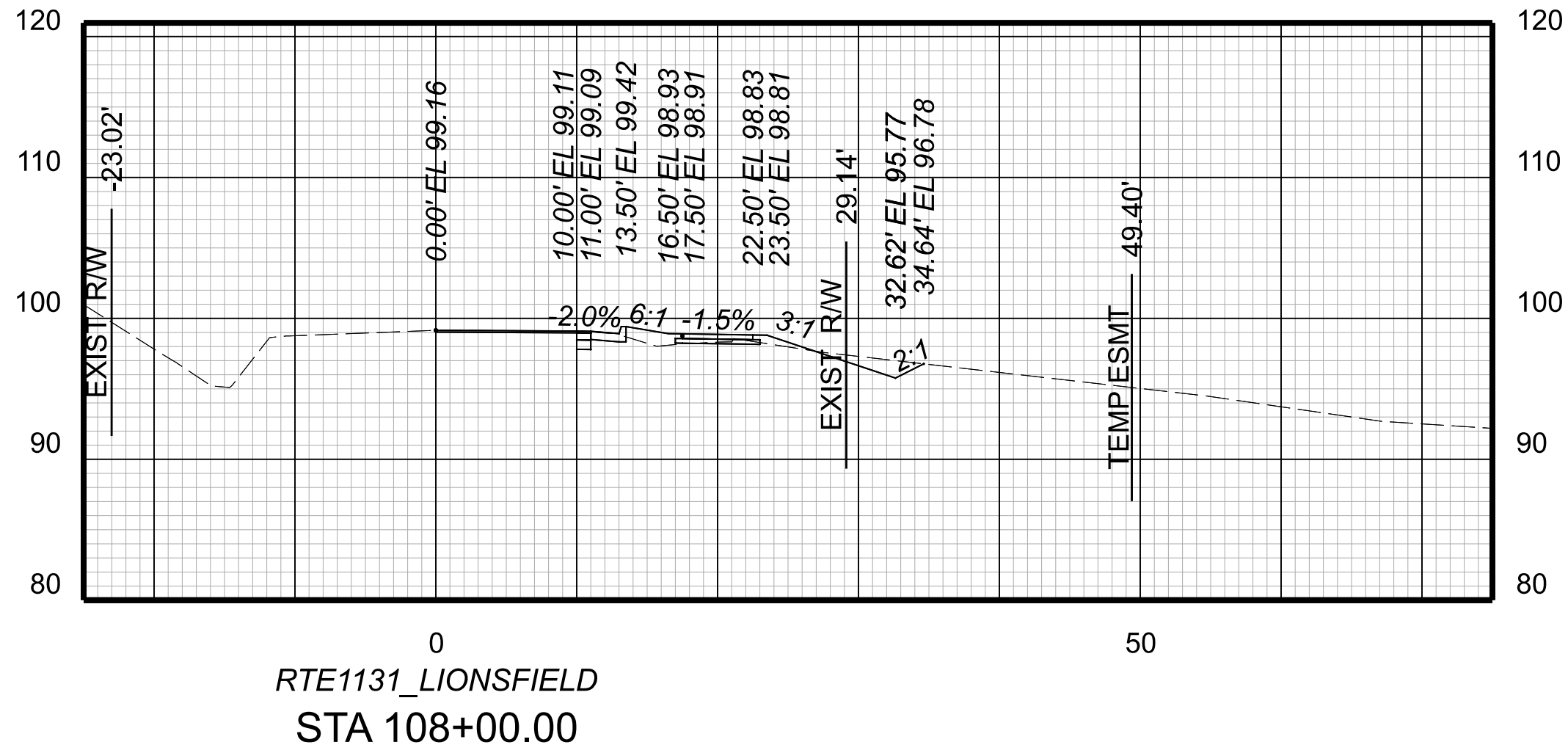


PROJECT MANAGER Rami Bazlamit, PE, Prince William County, (703) 792-8164
SURVEYED BY, DATE Tami Lenox, LS, ATCS, 02/23/2025, (703) 430-7500
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CROSS SECTIONS
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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 C501	

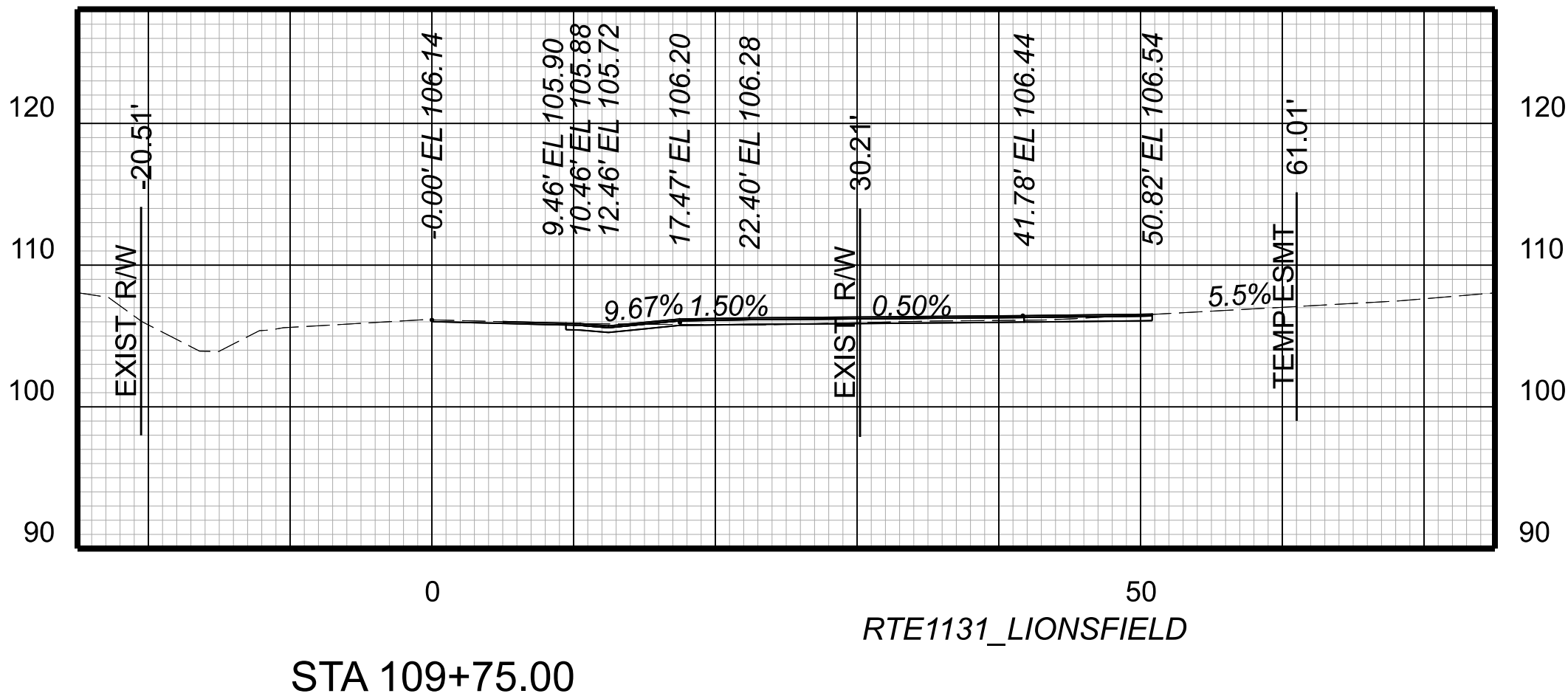
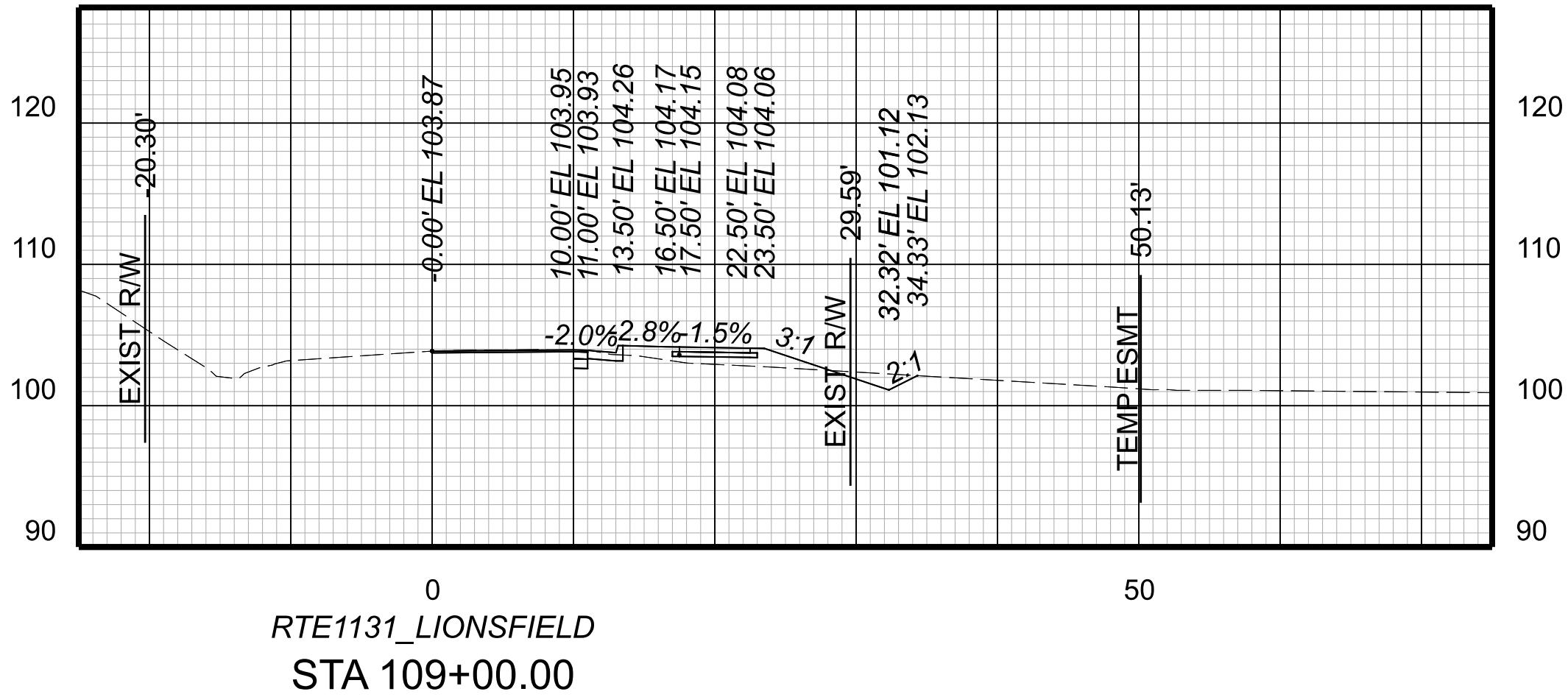
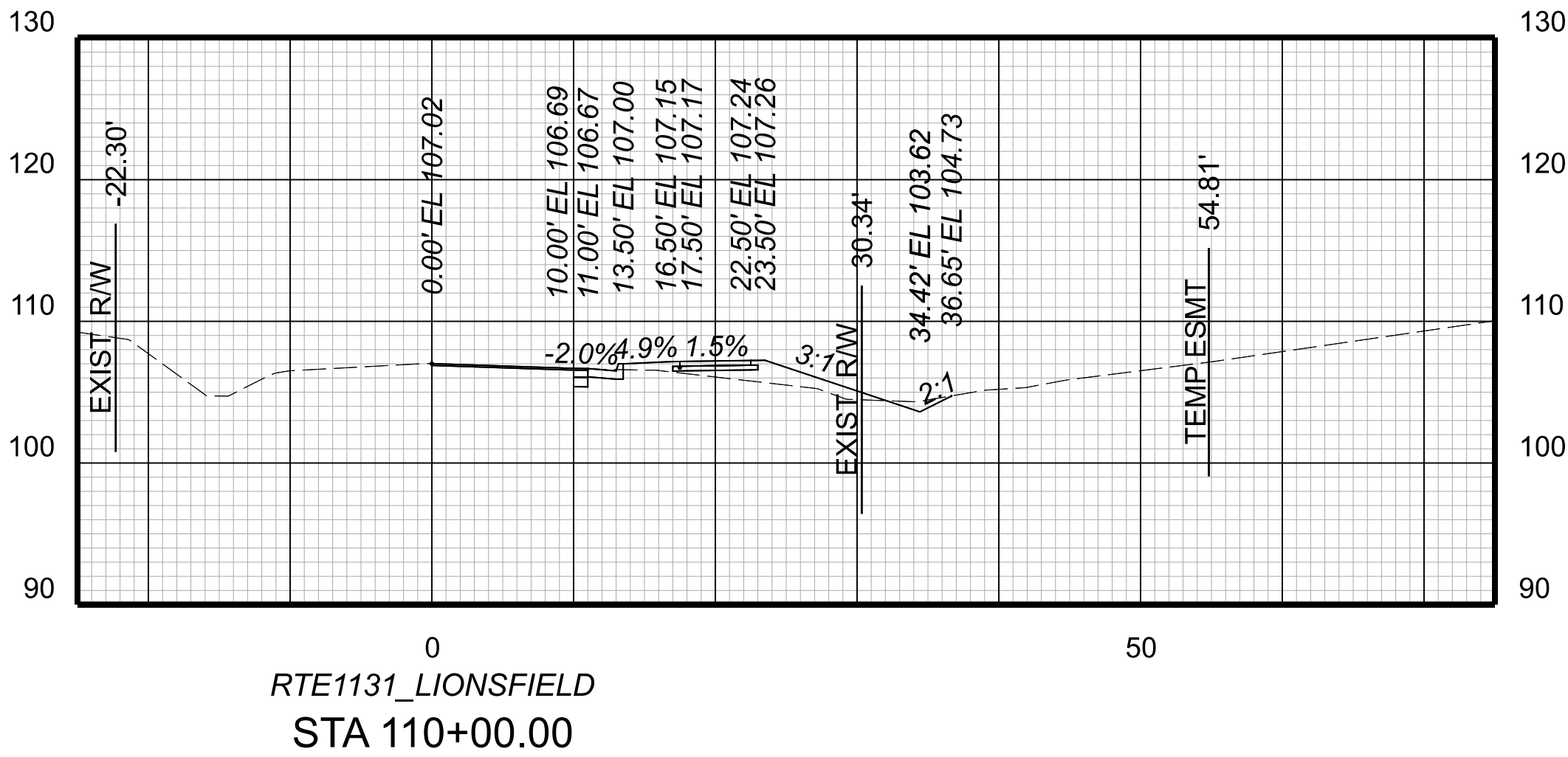
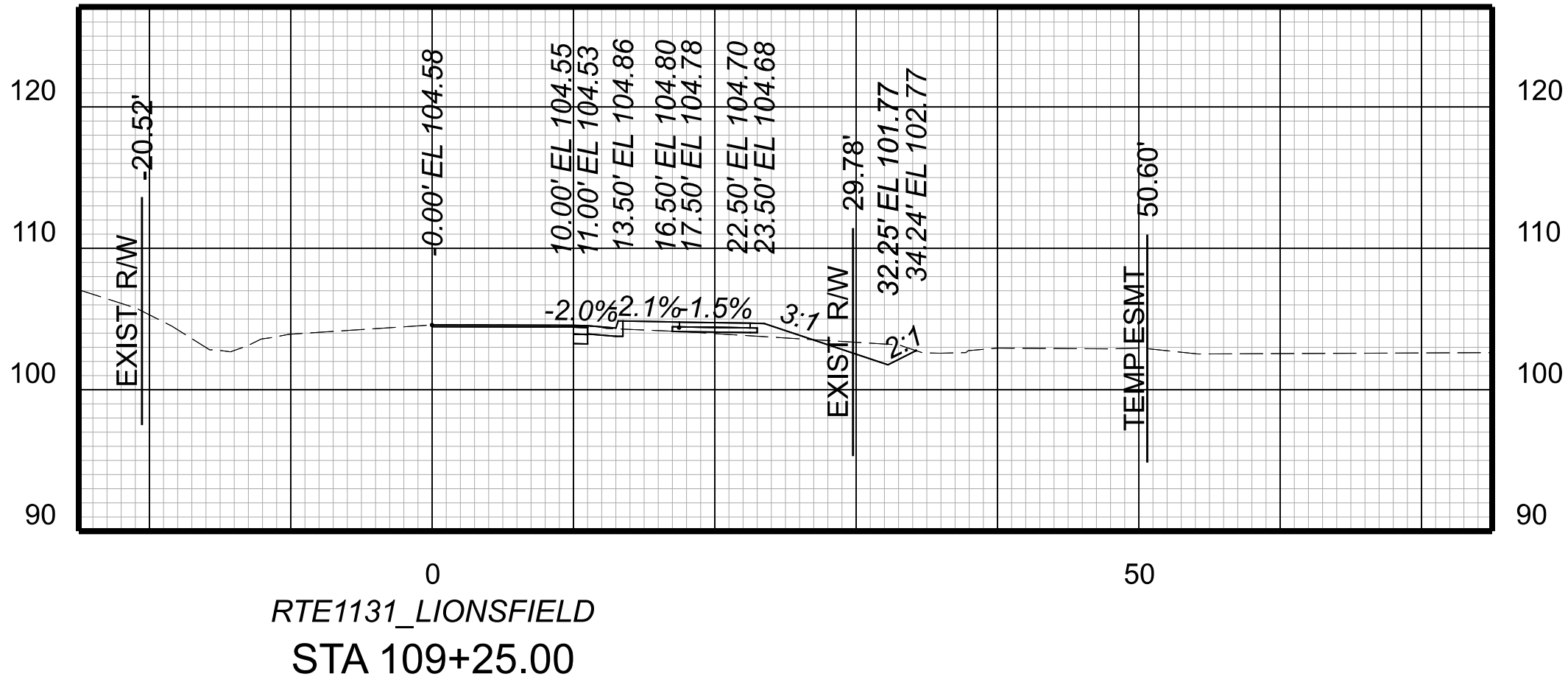
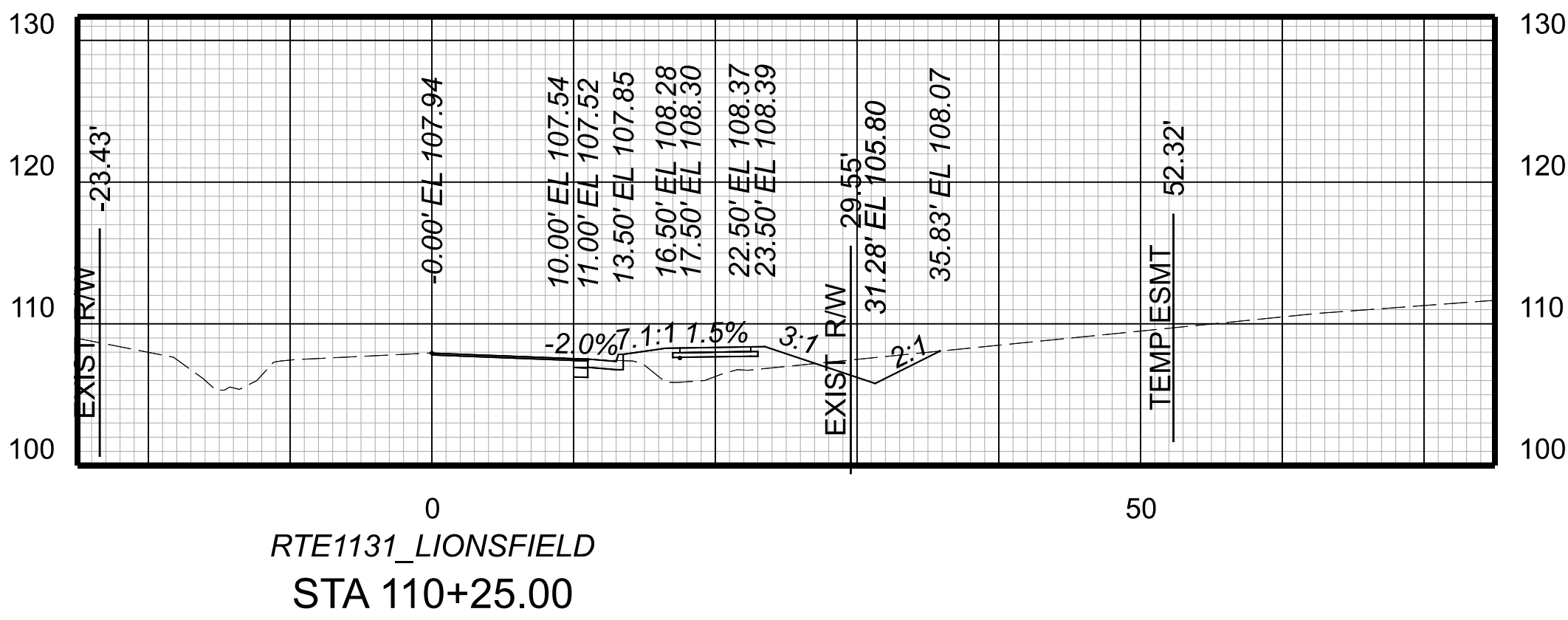
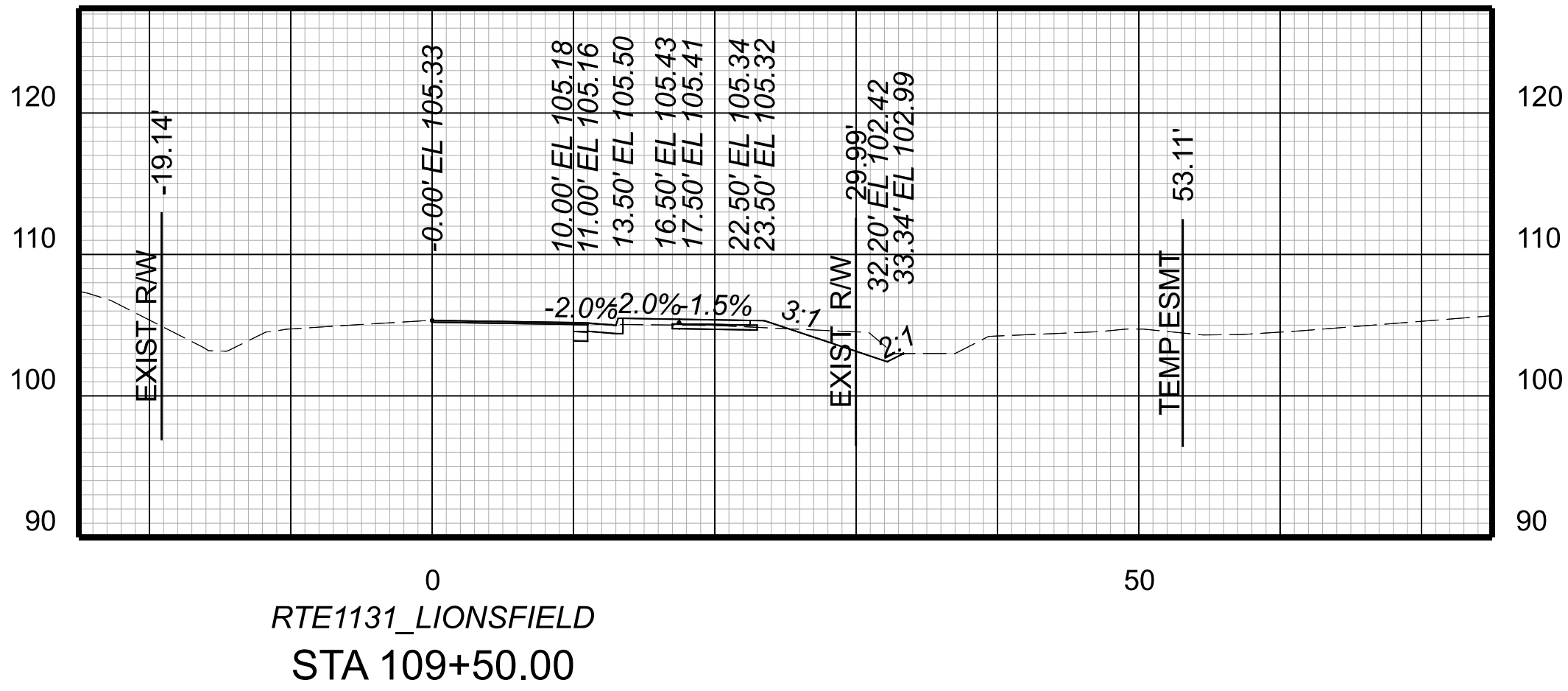


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REVISED	STATE	ROUTE	STATE	SHEET NO.
			PROJECT	
	VA.	1131	EN24-076-380 C501	X8

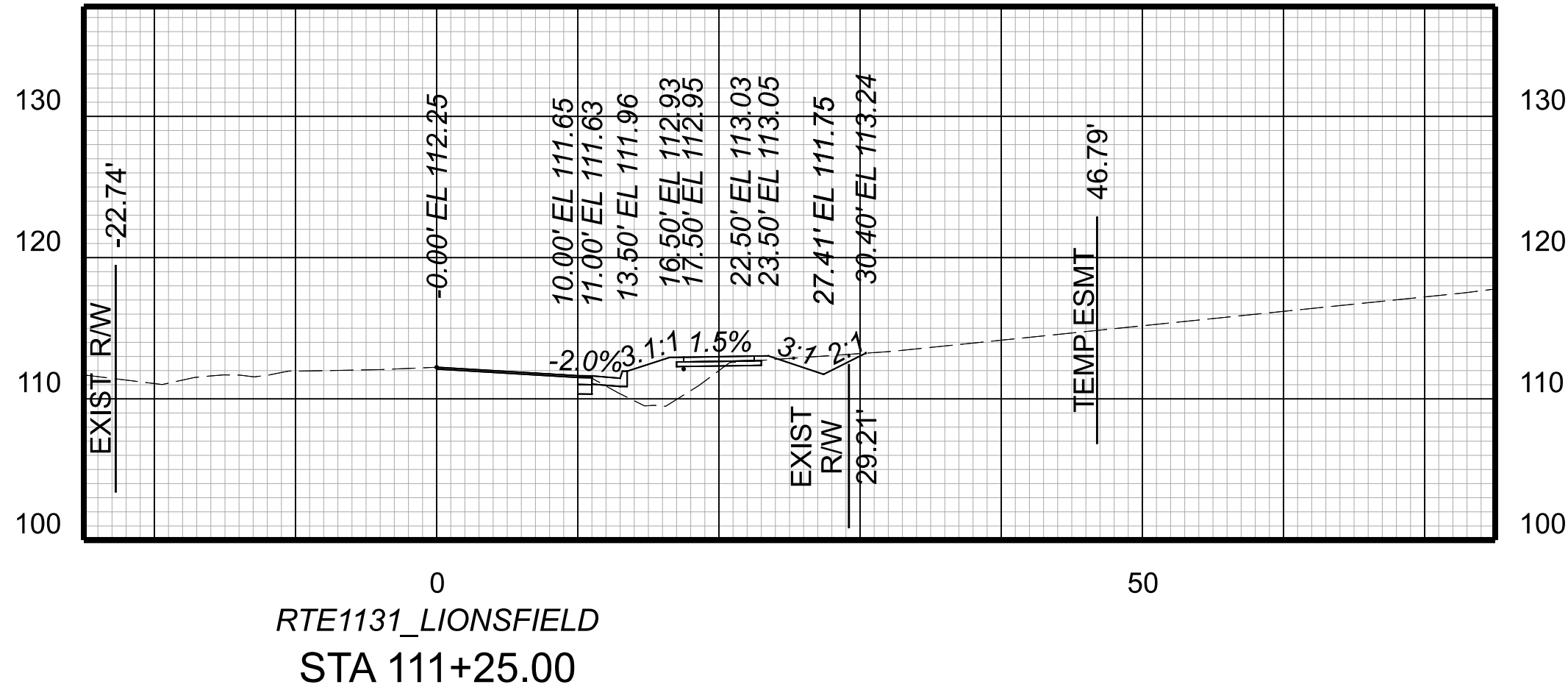
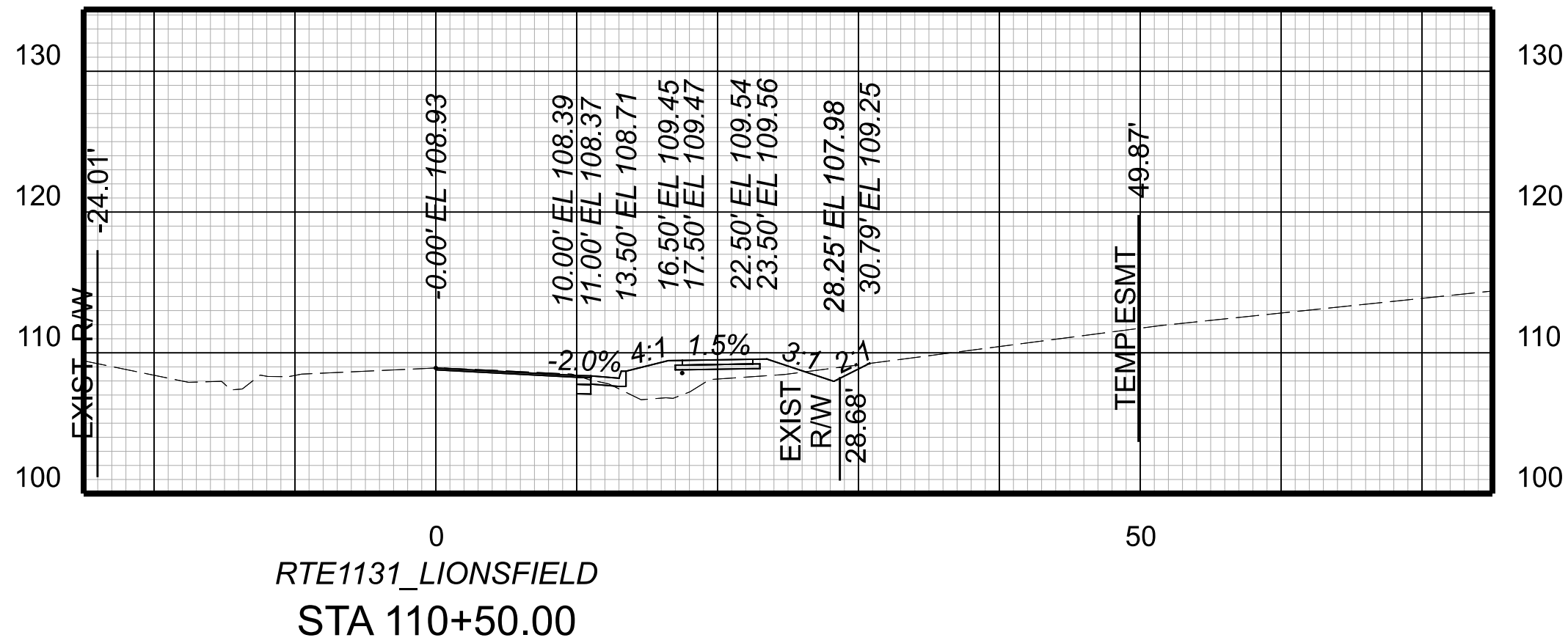
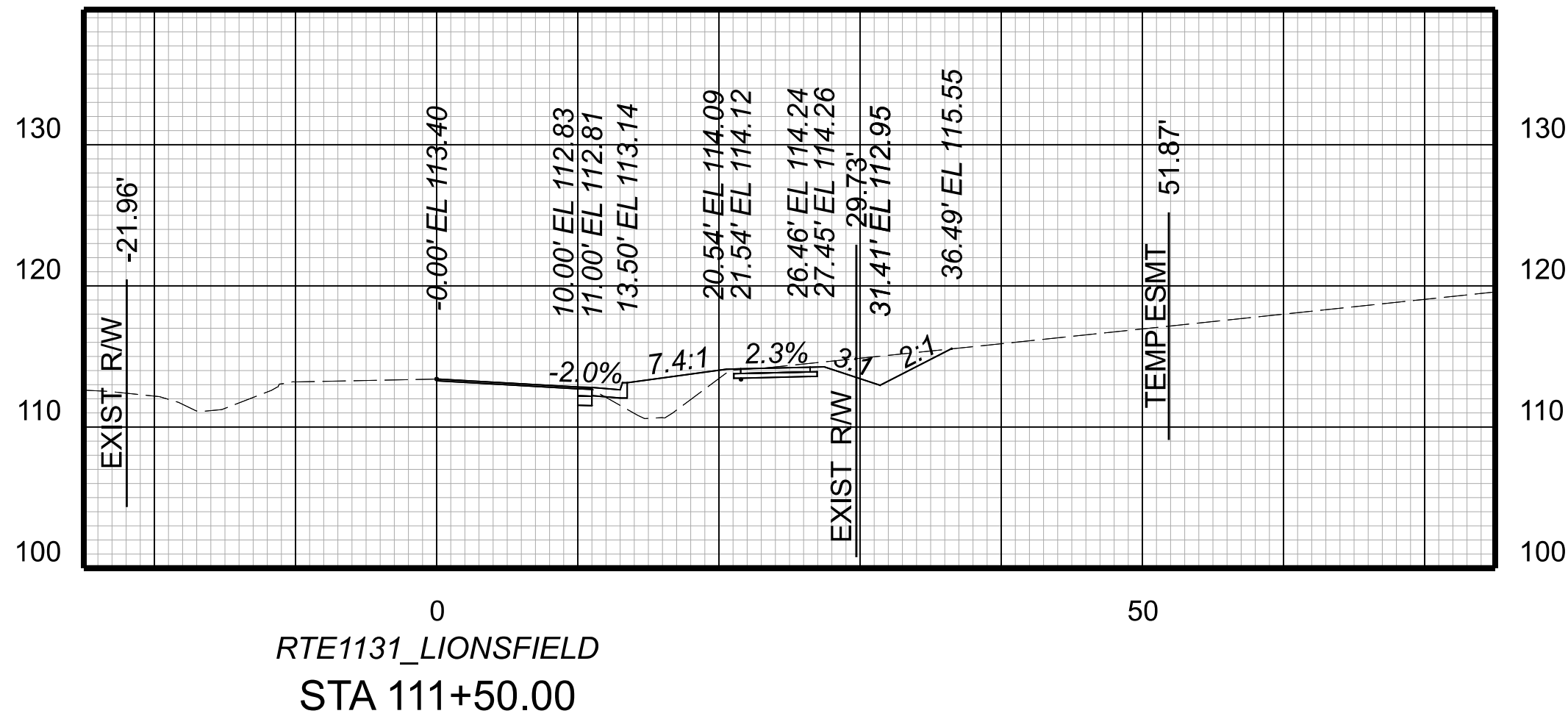
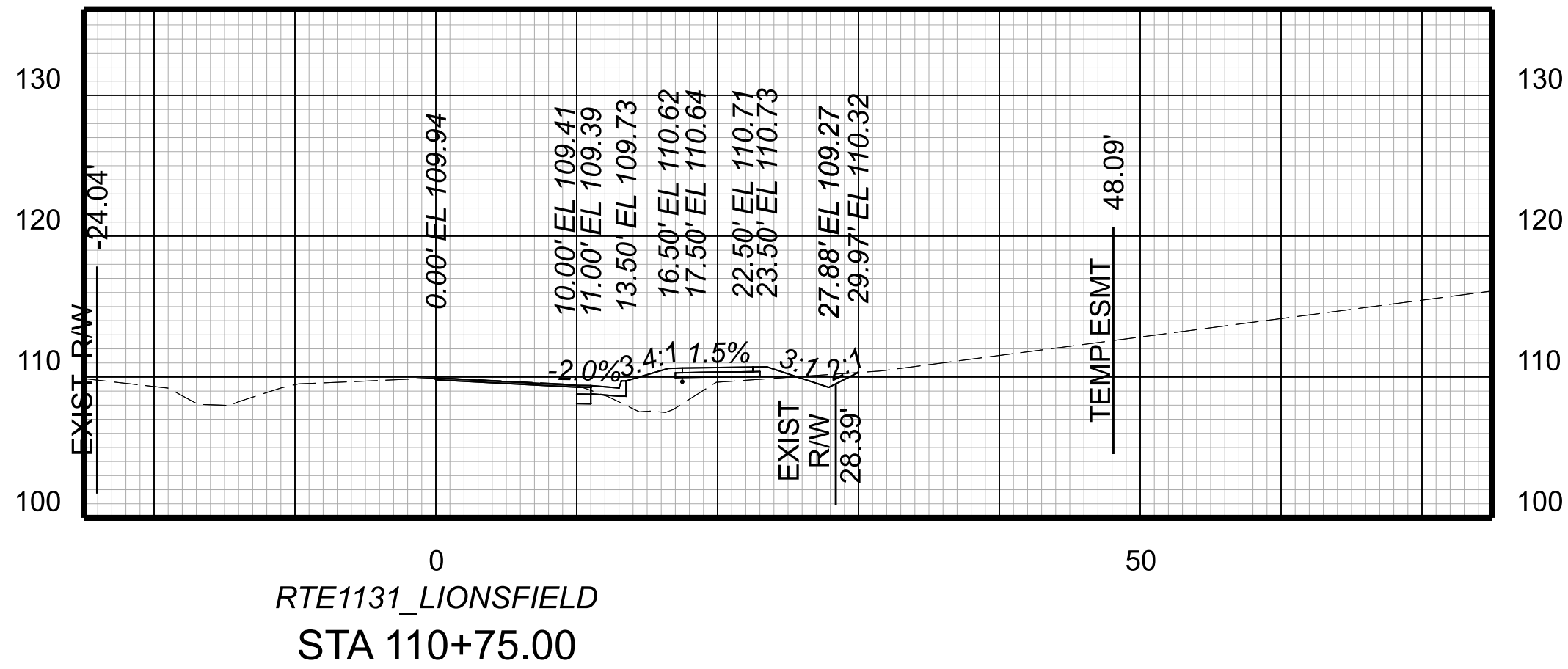
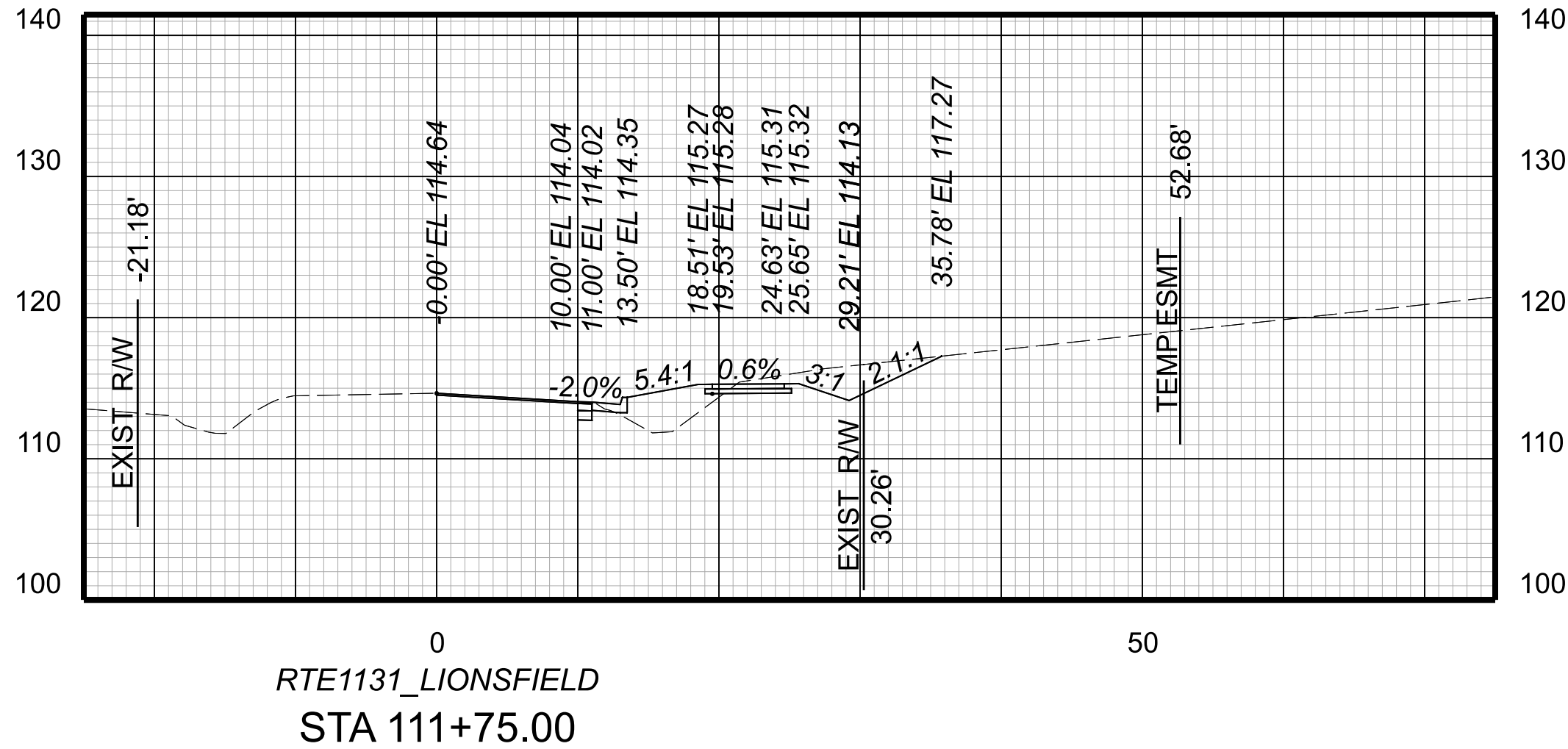
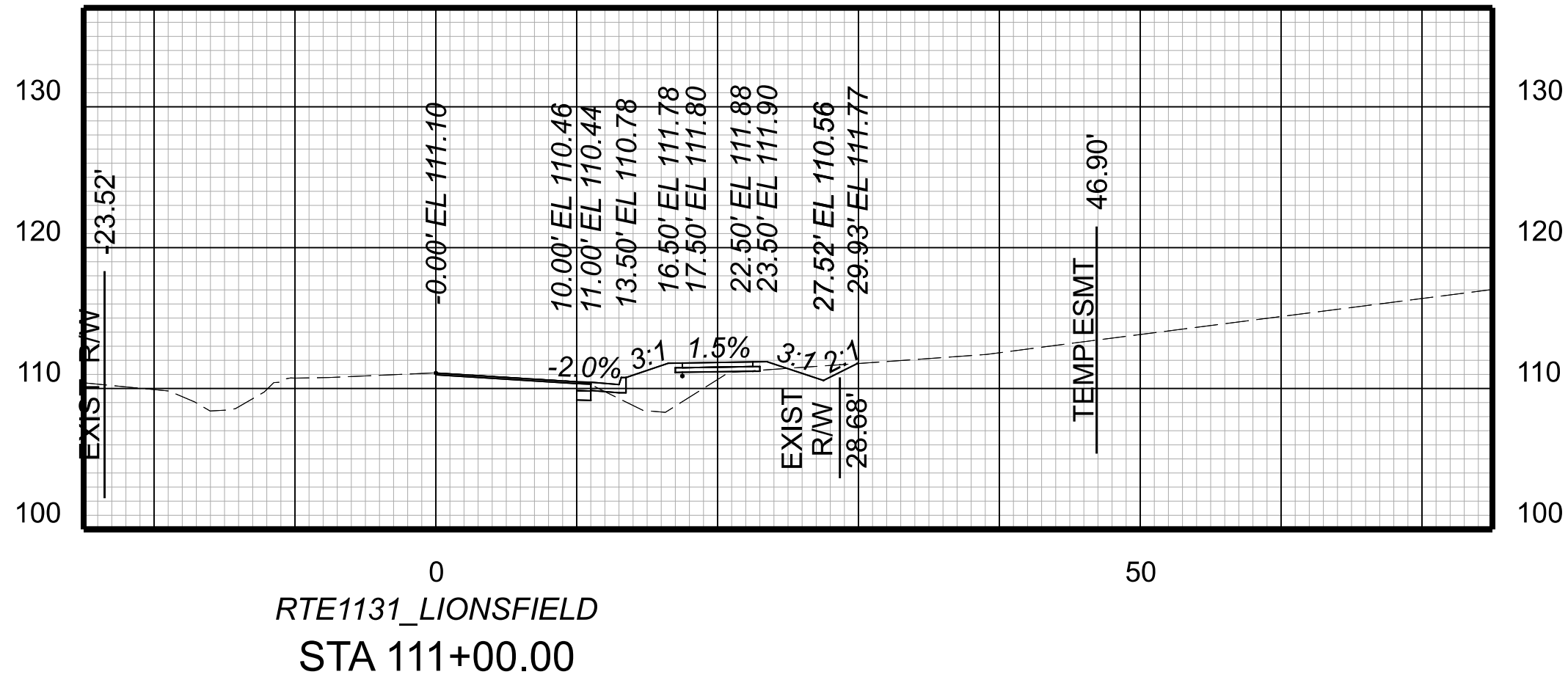


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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 C501	

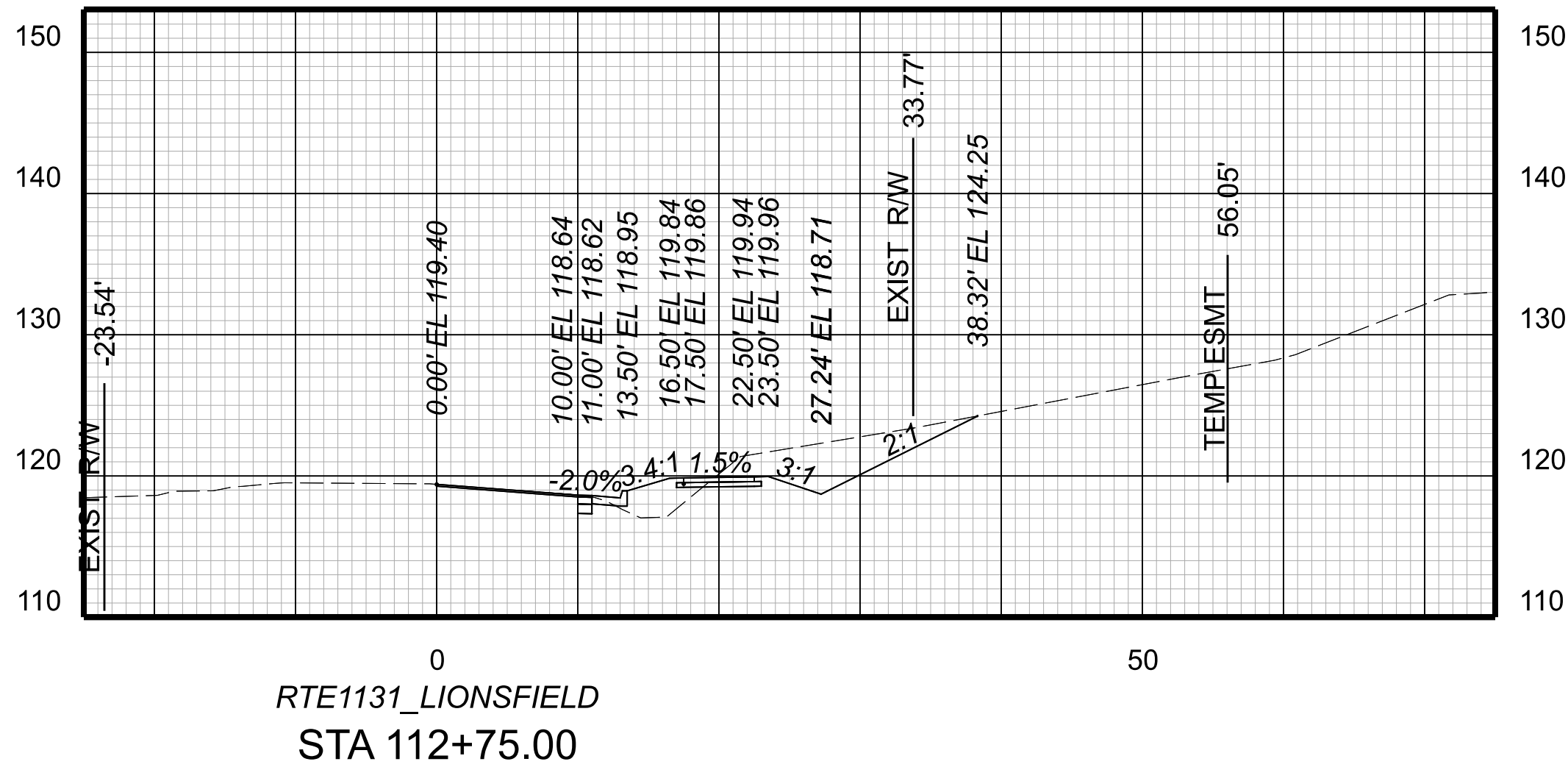
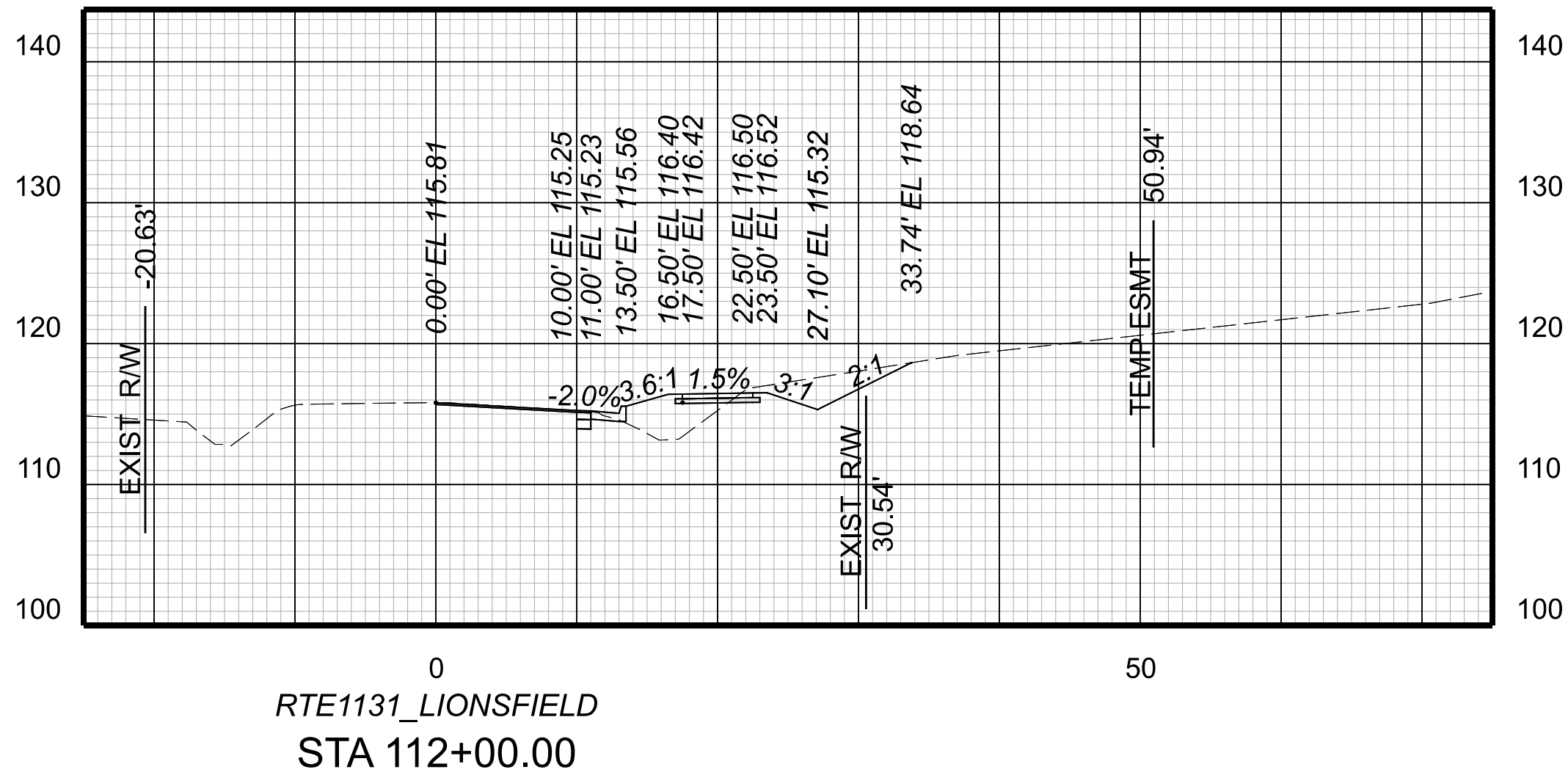
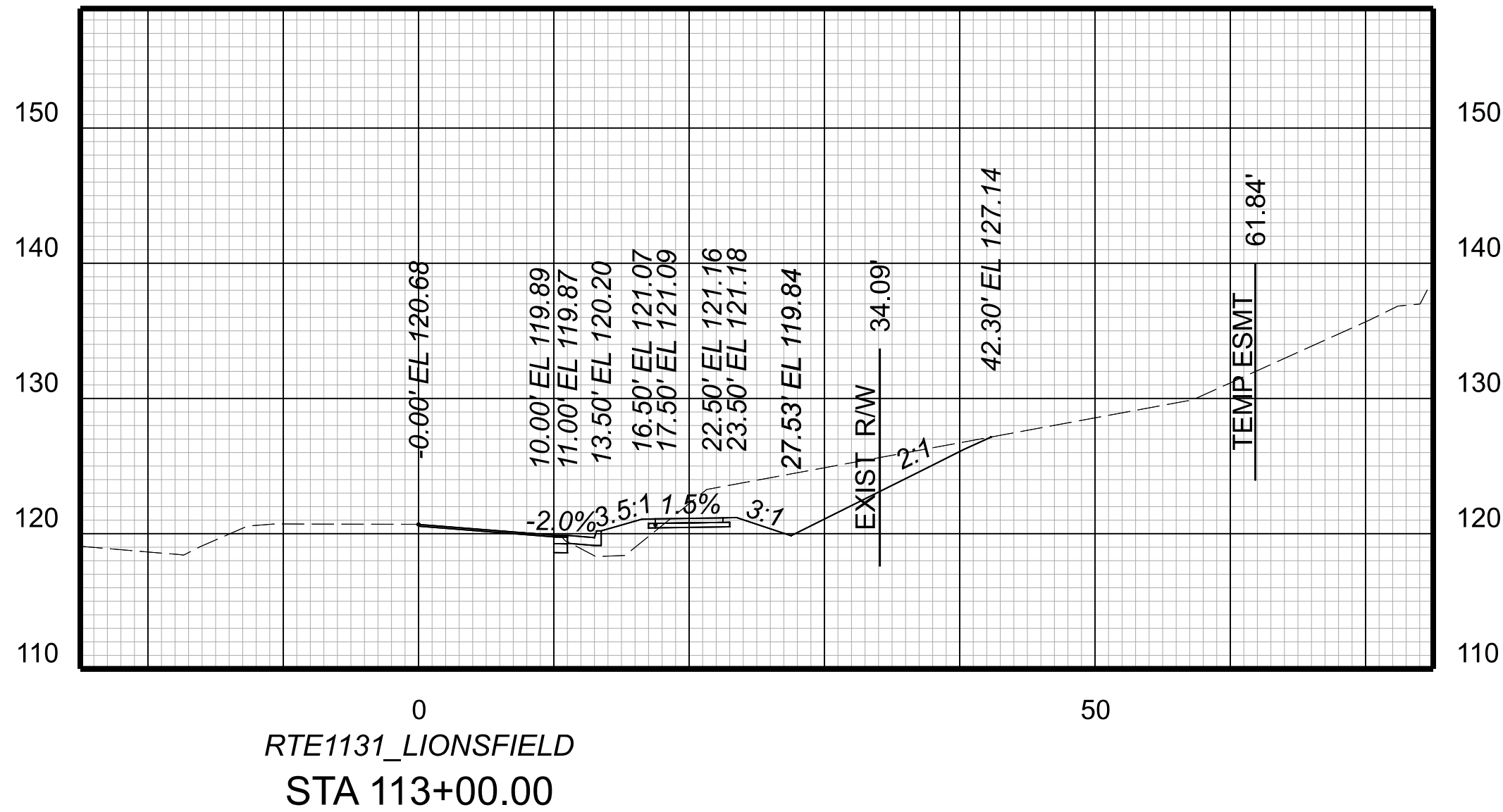
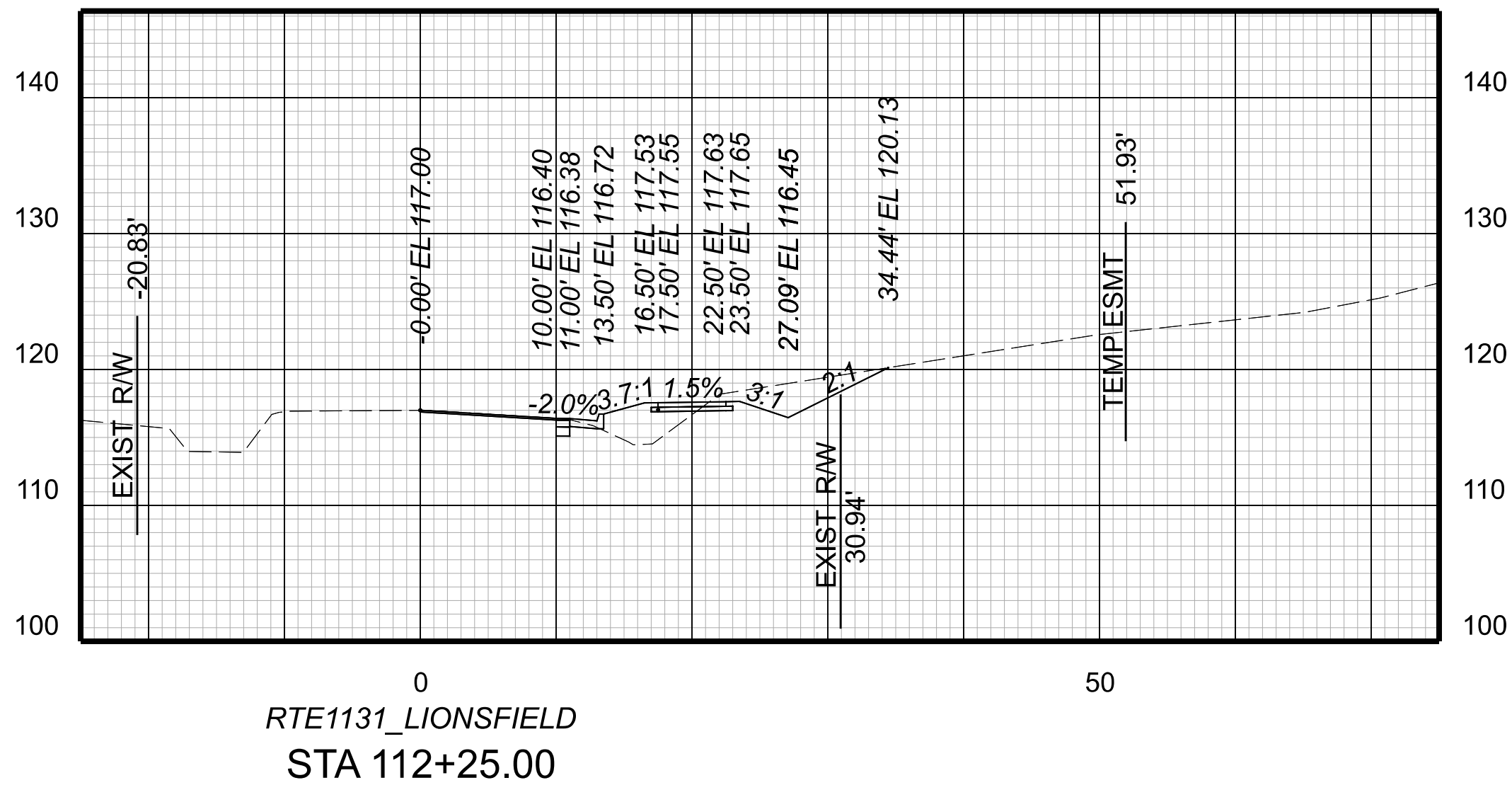
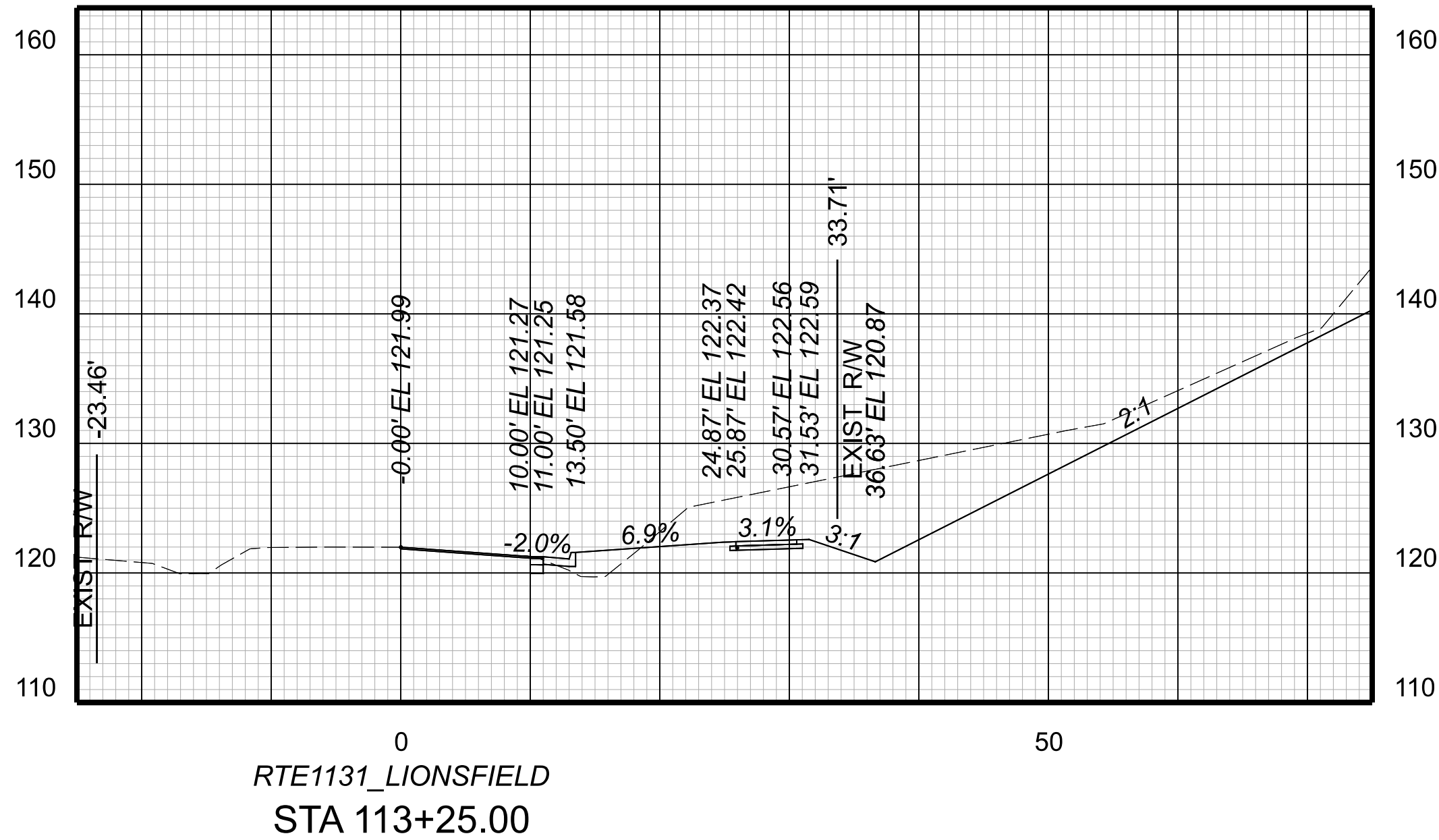
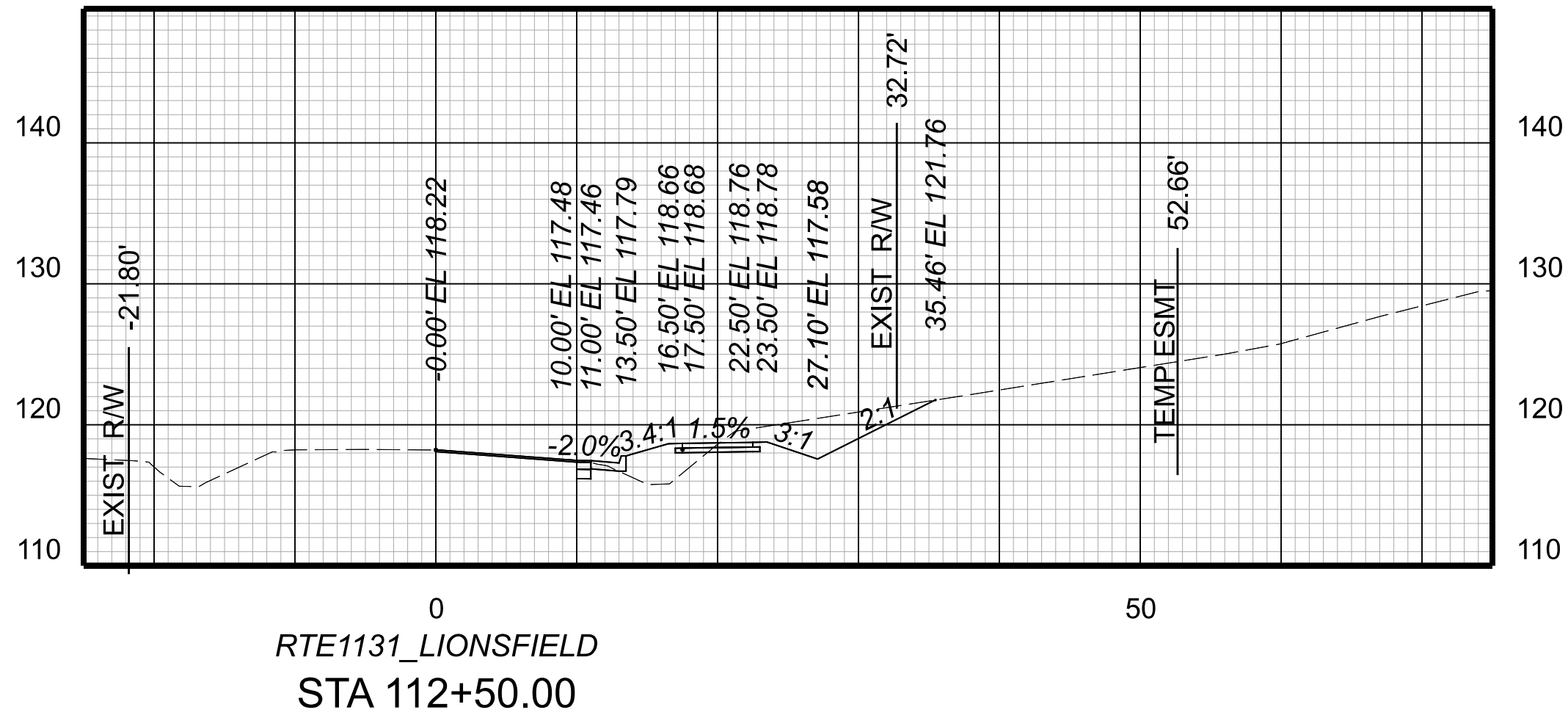


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	VA.	1131	EN24-076-380 C501	

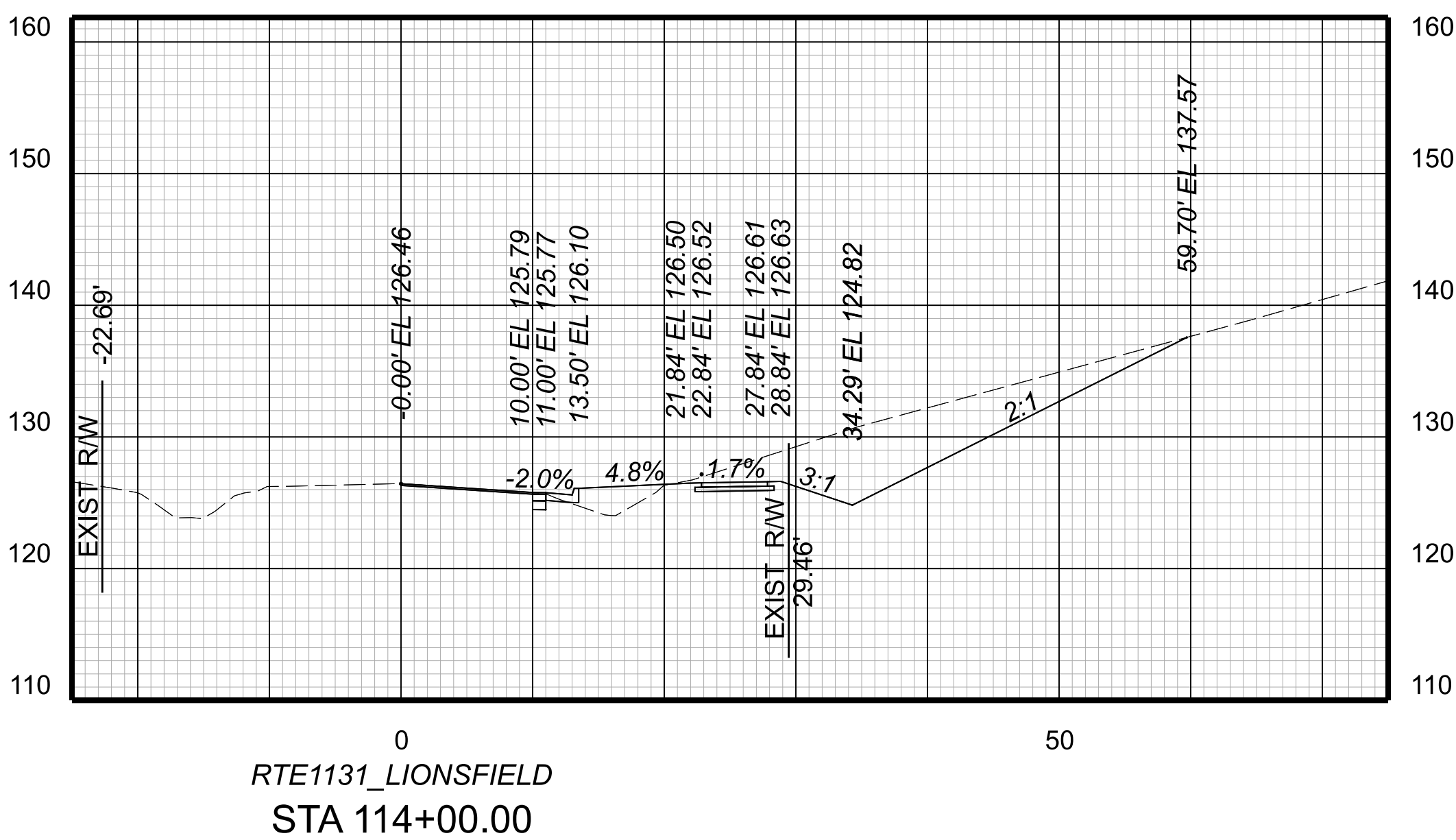
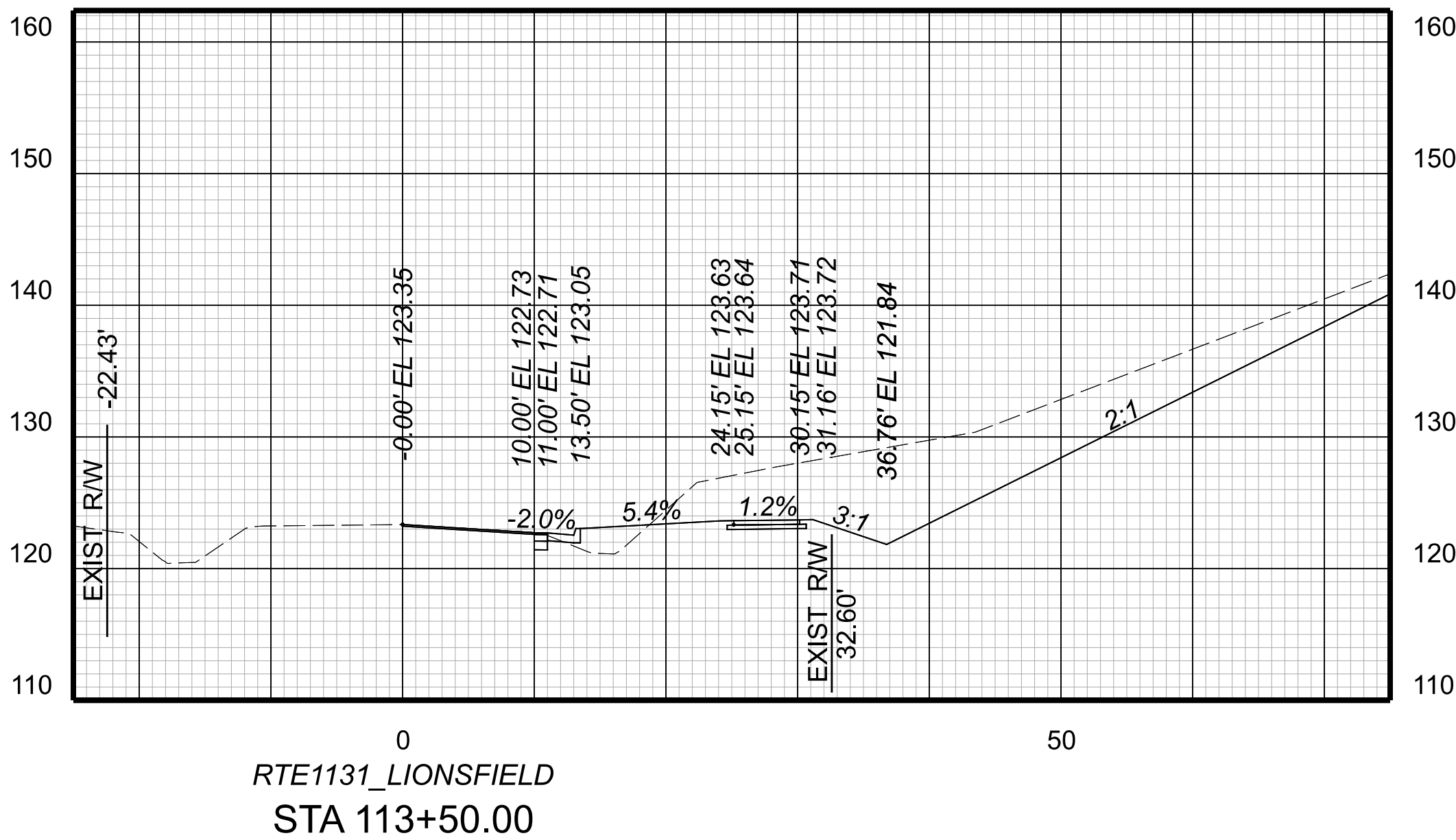
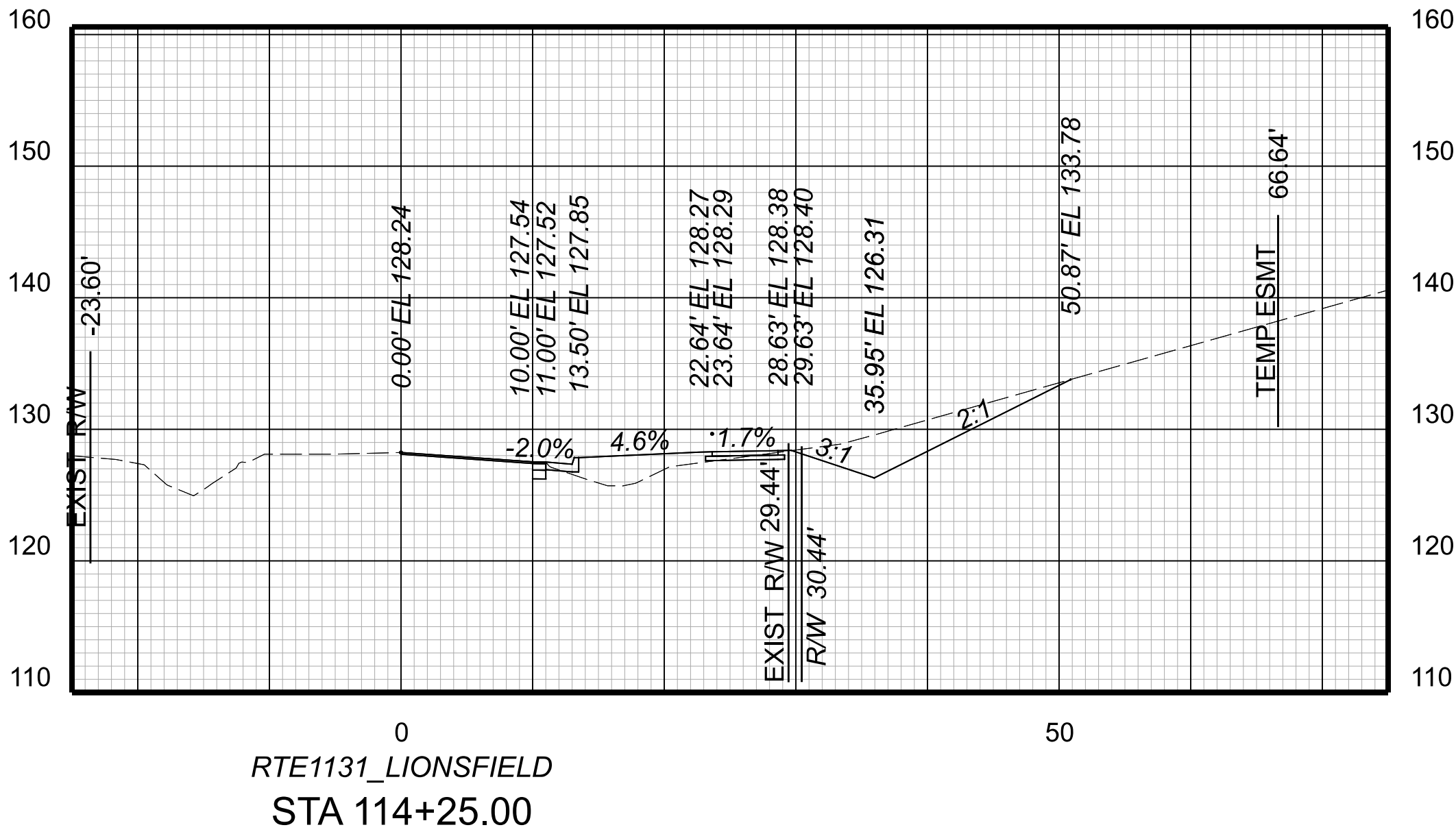
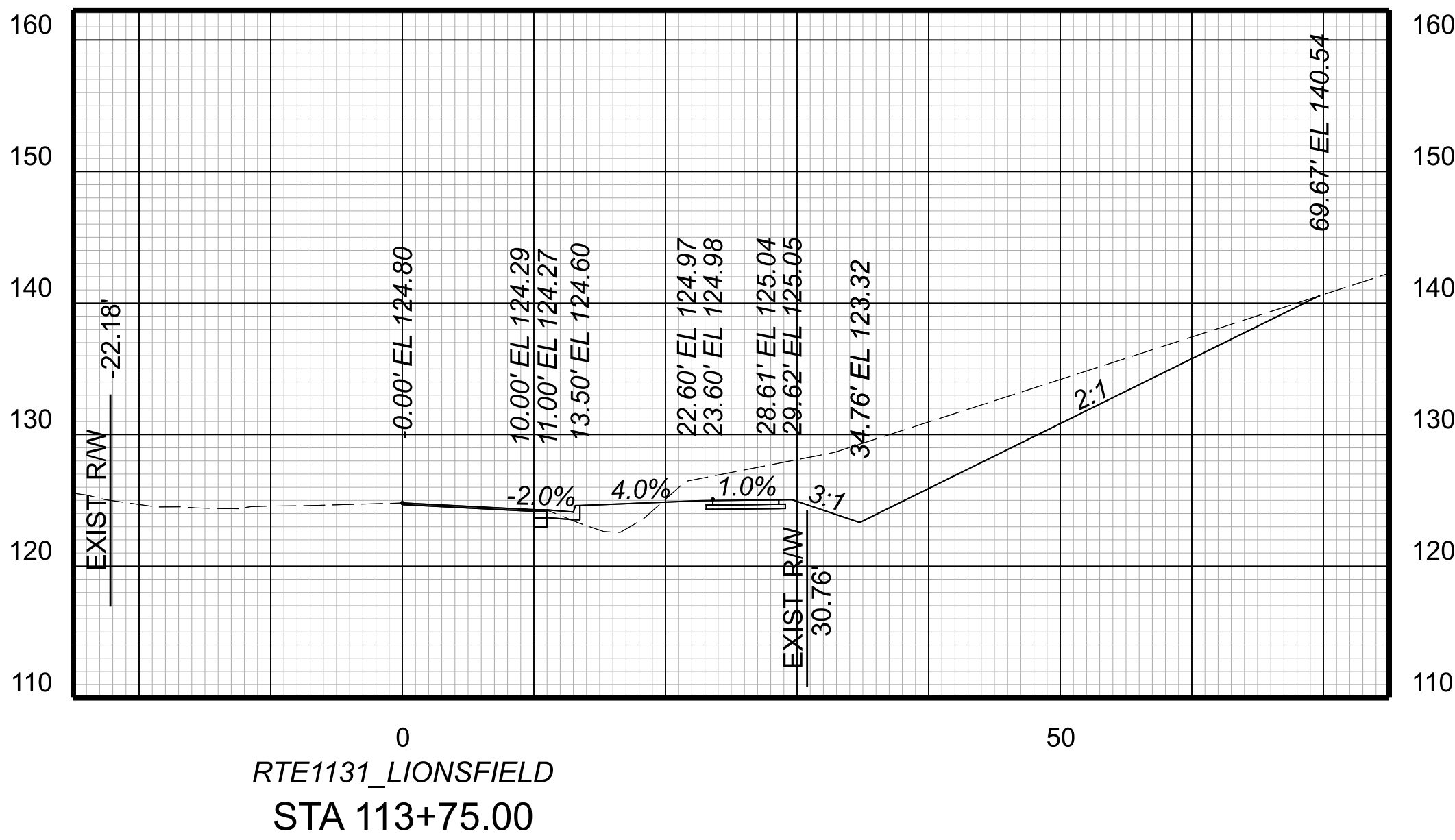
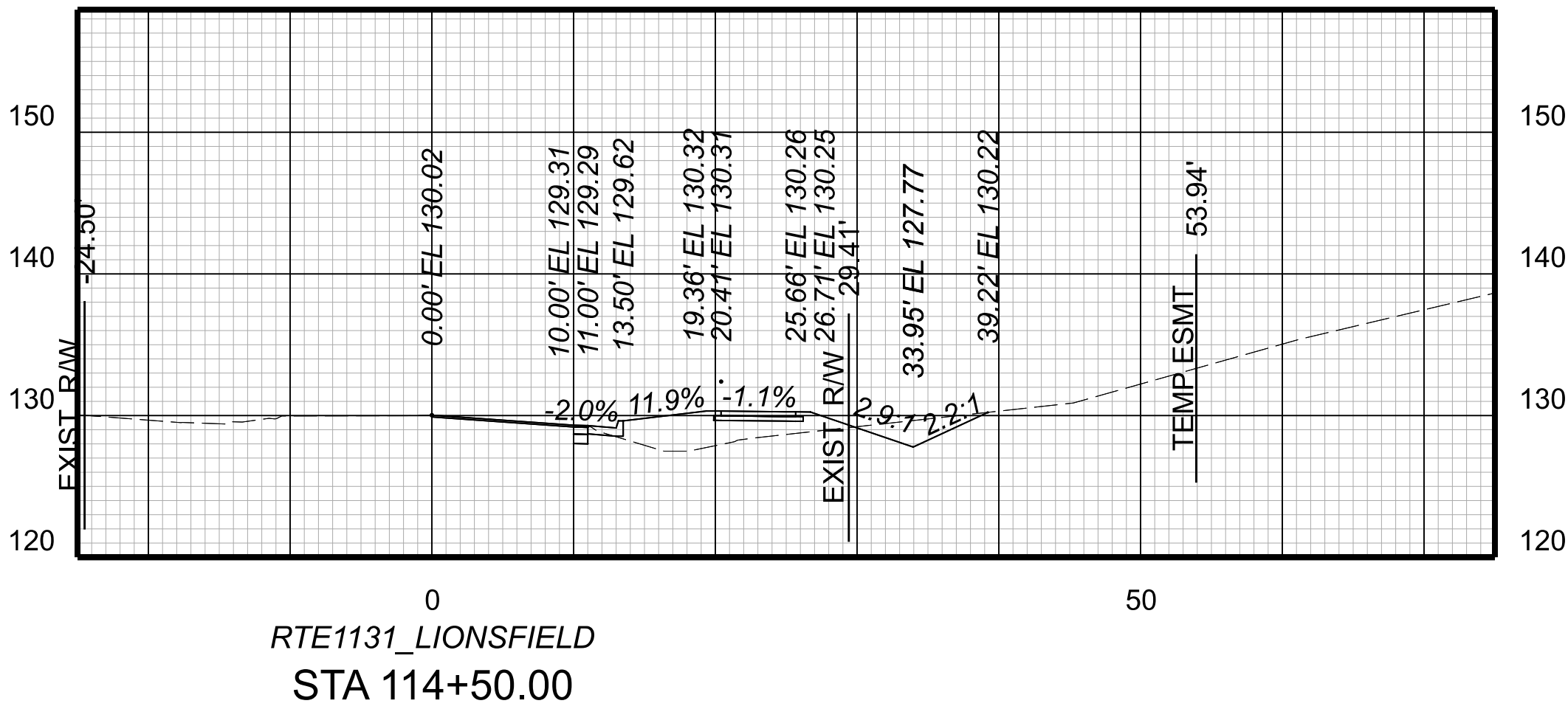


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REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1131	EN24-076-380 C501	
				X11

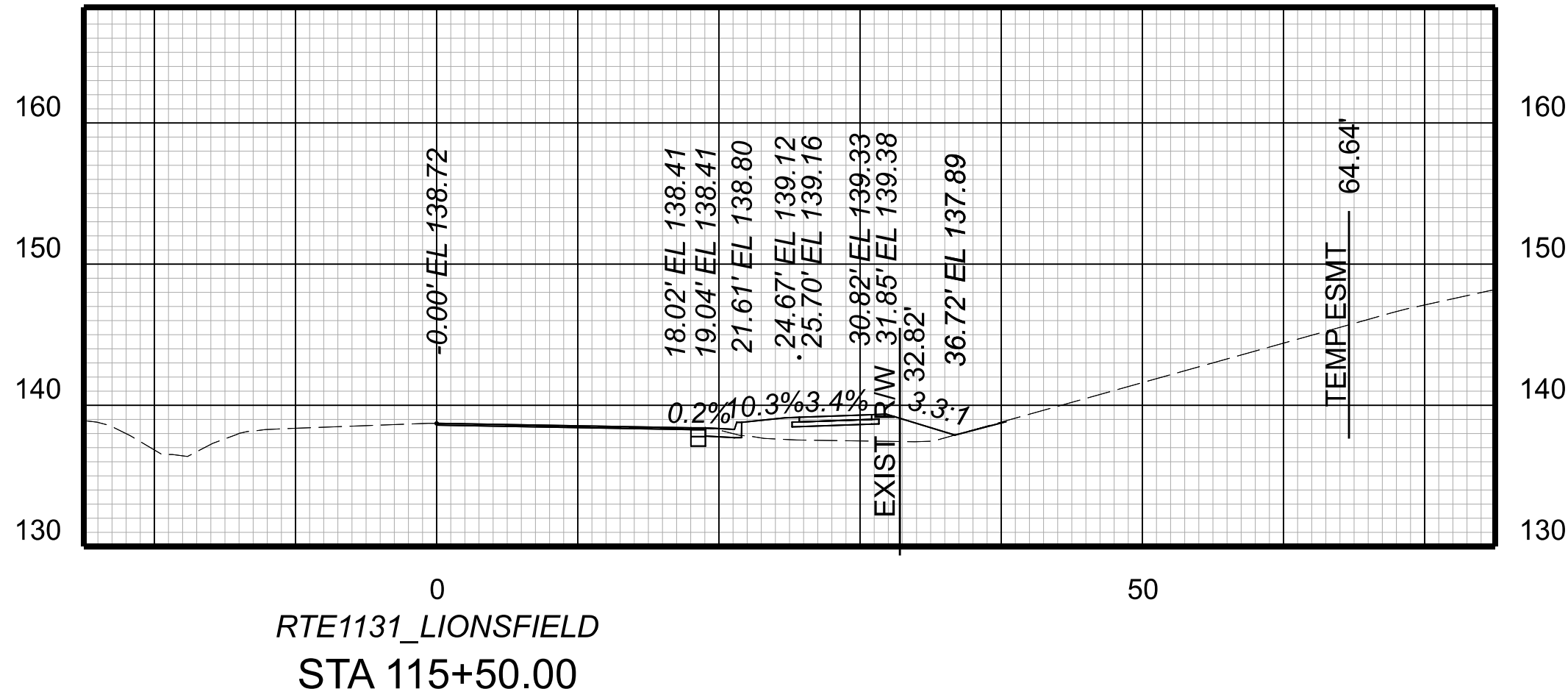
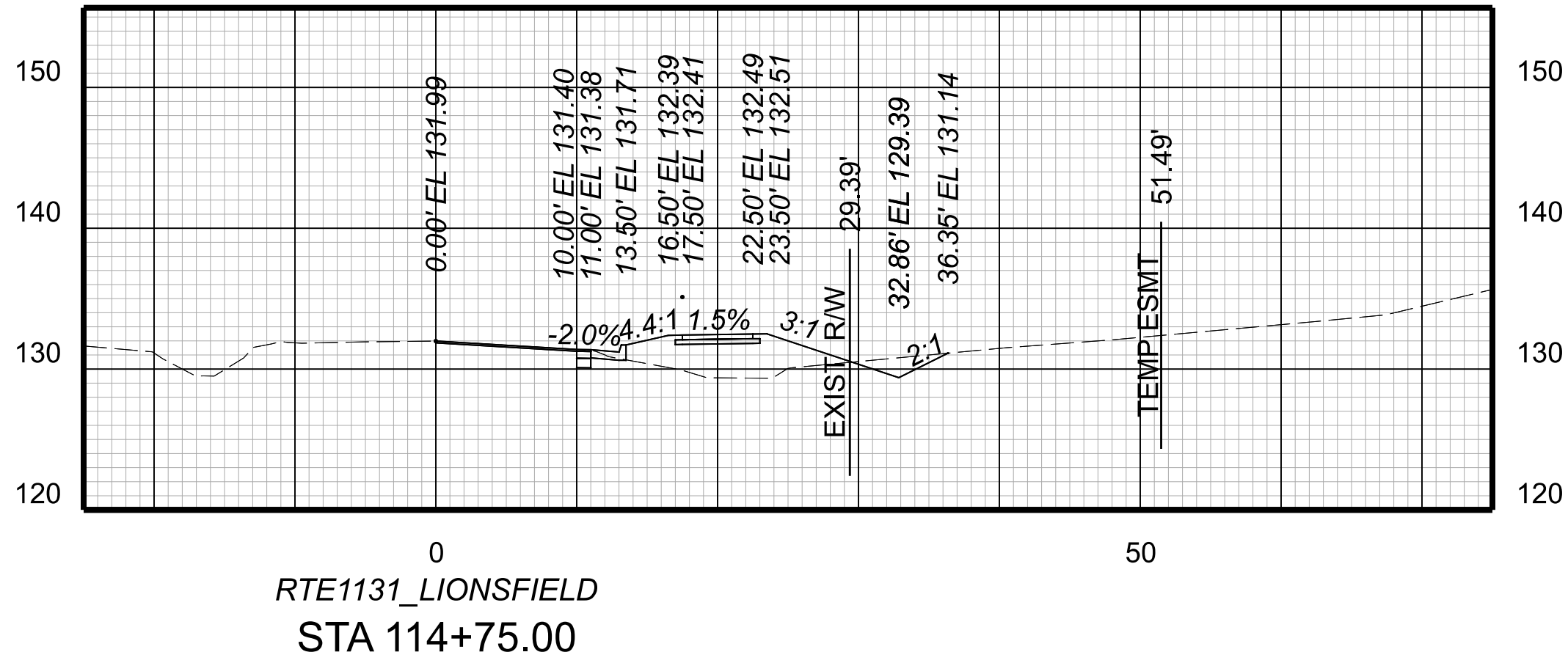
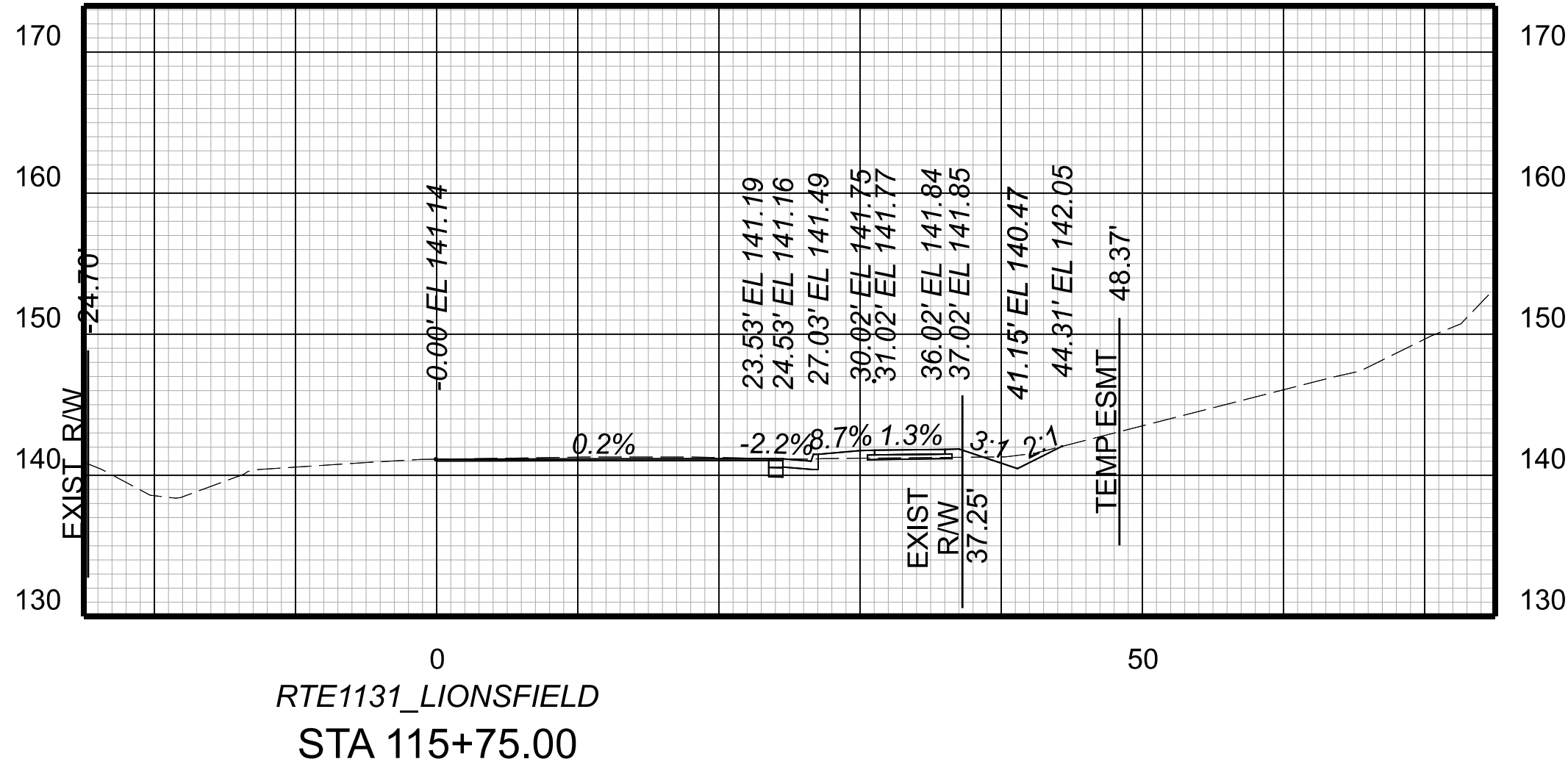
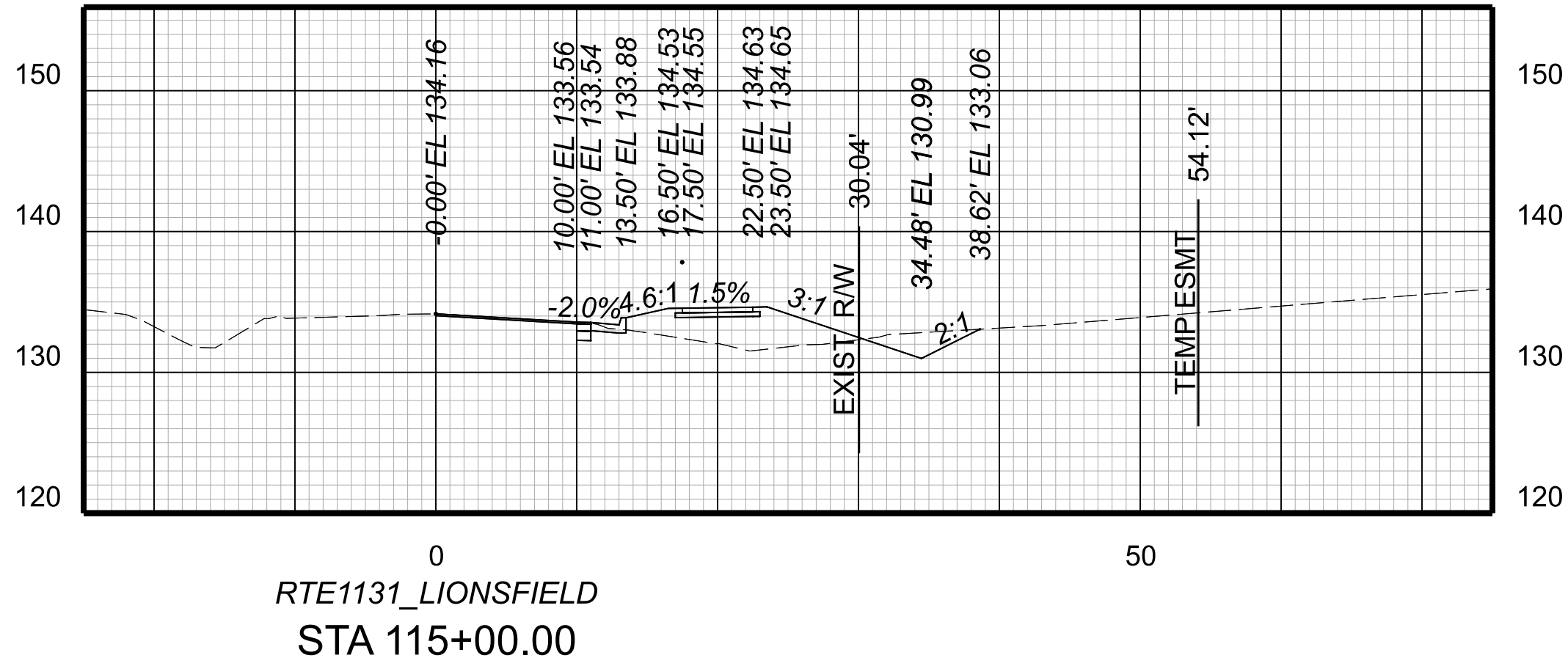
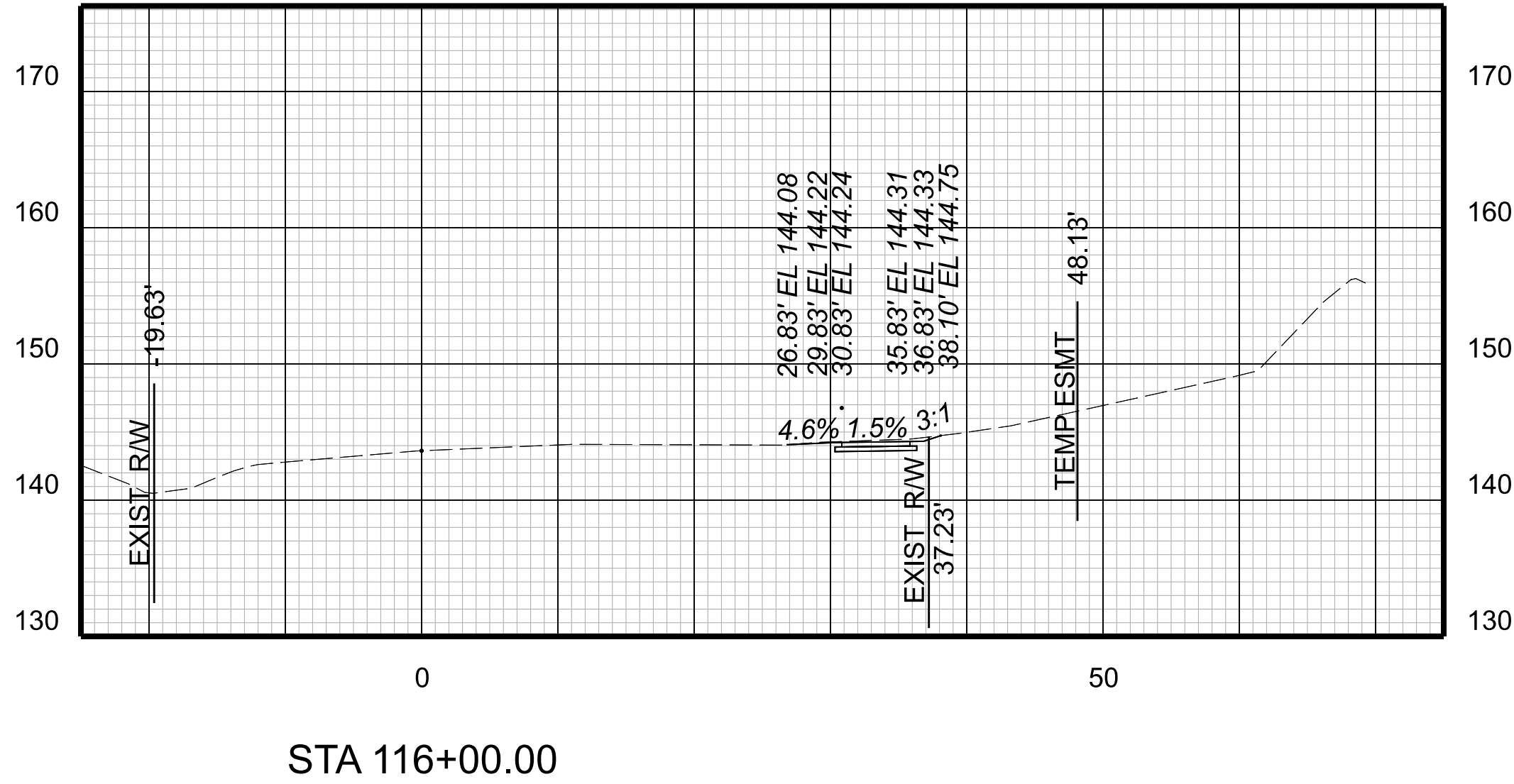
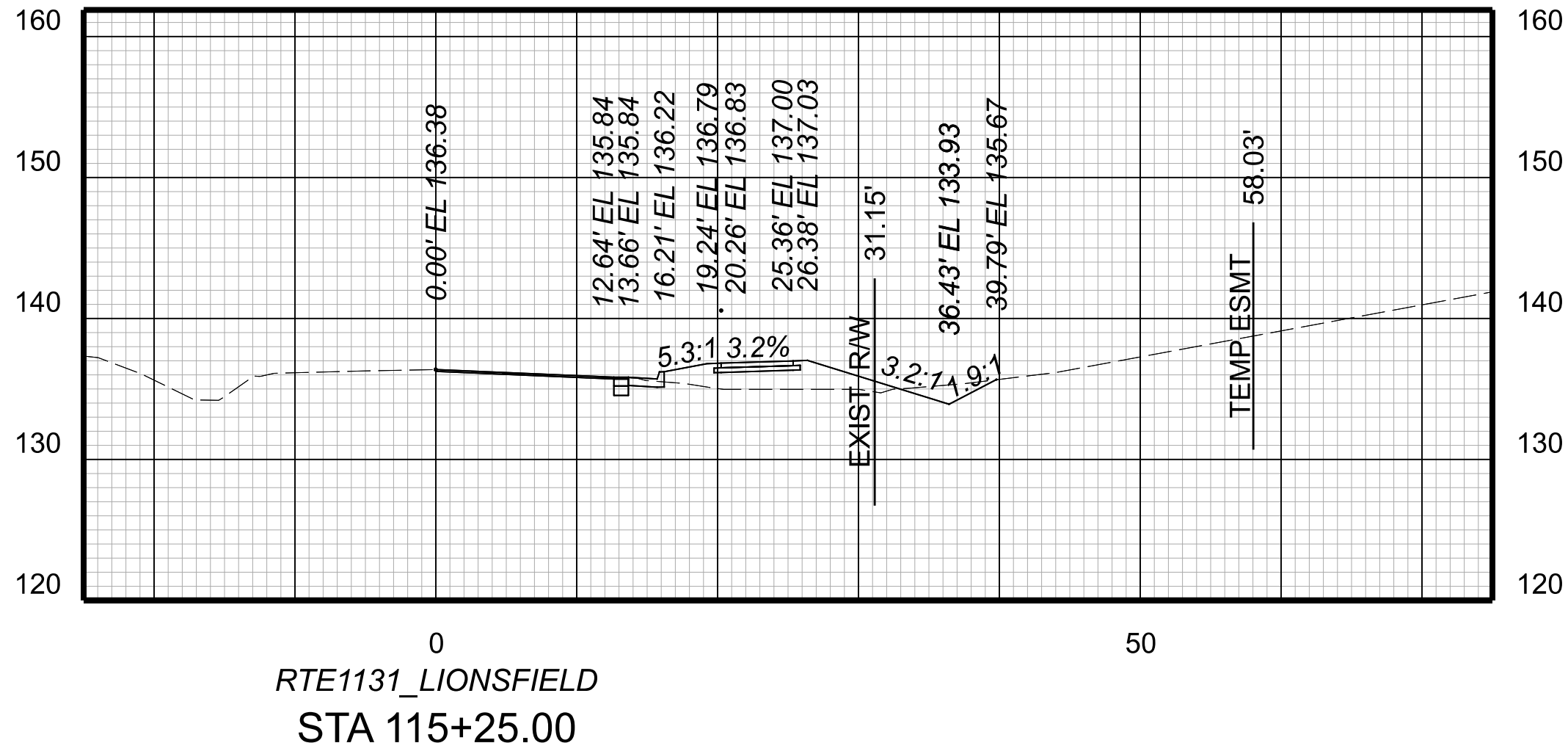


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SUBSURFACE UTILITY BY, DATE Accumark, Inc, 03/04/2025, (804) 550-7740

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1131	EN24-076-380 C501	



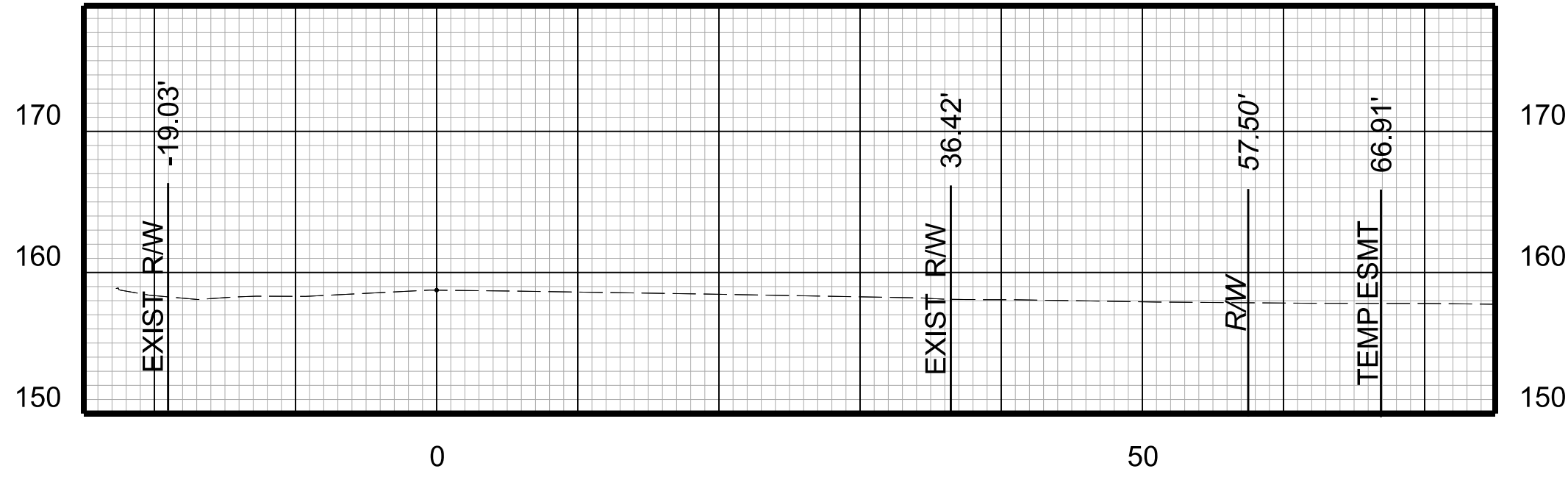
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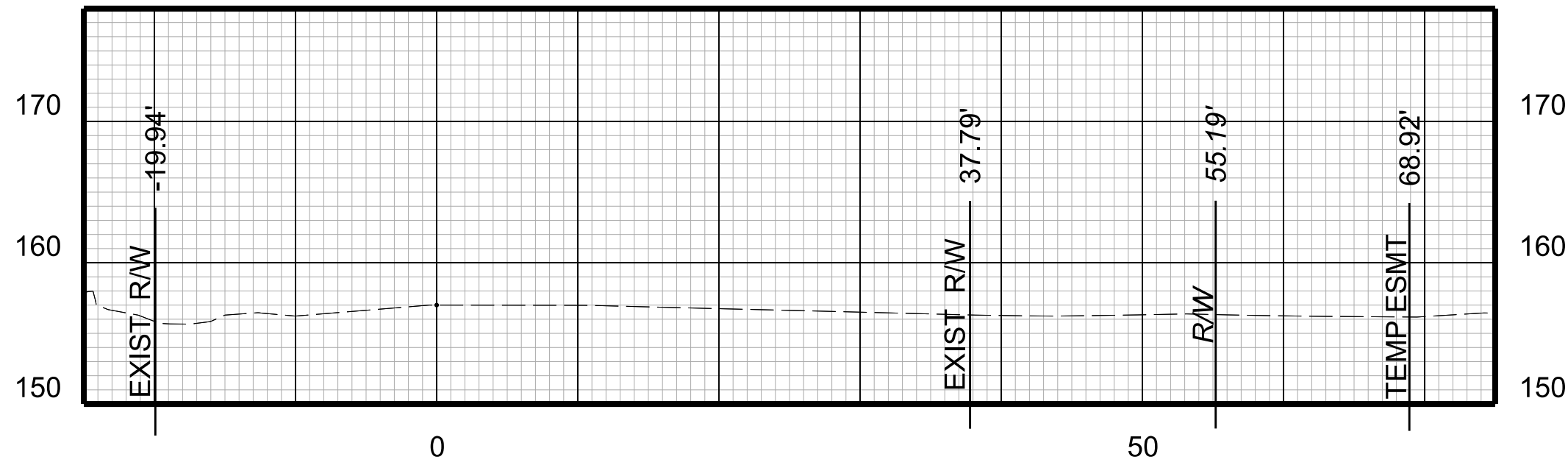
REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	1131	EN24-076-380 C501	X13

CROSS SECTIONS

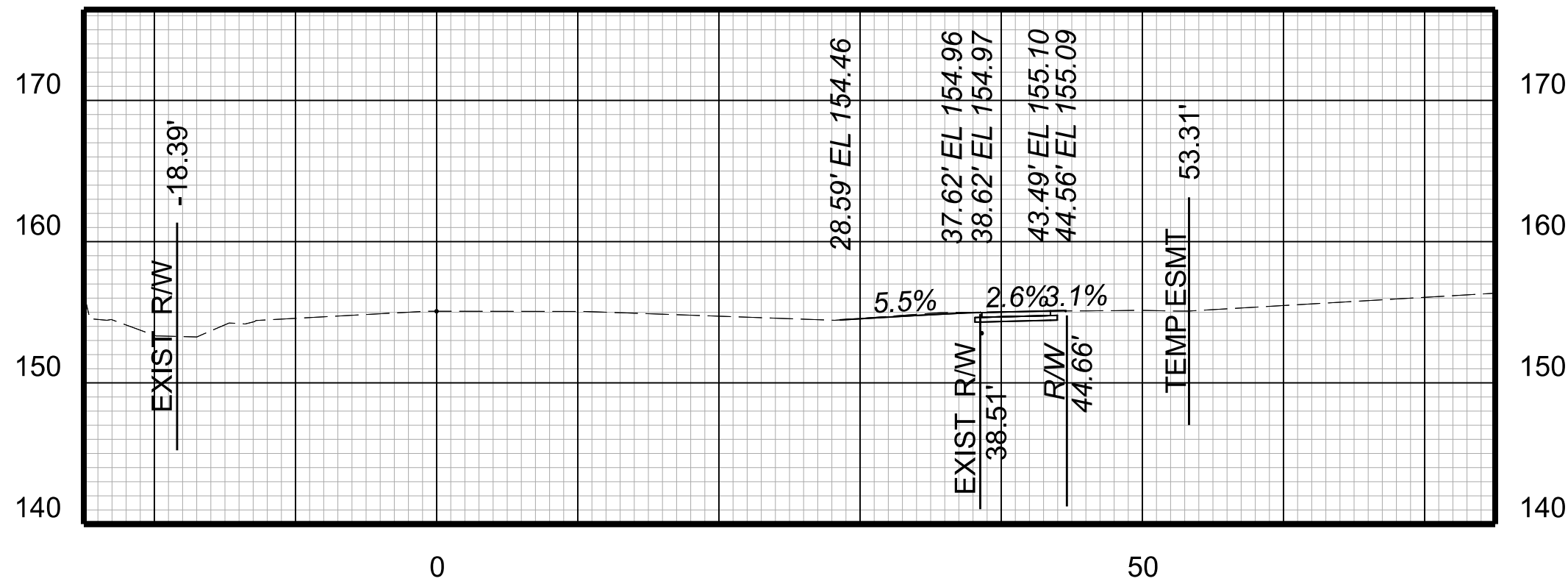
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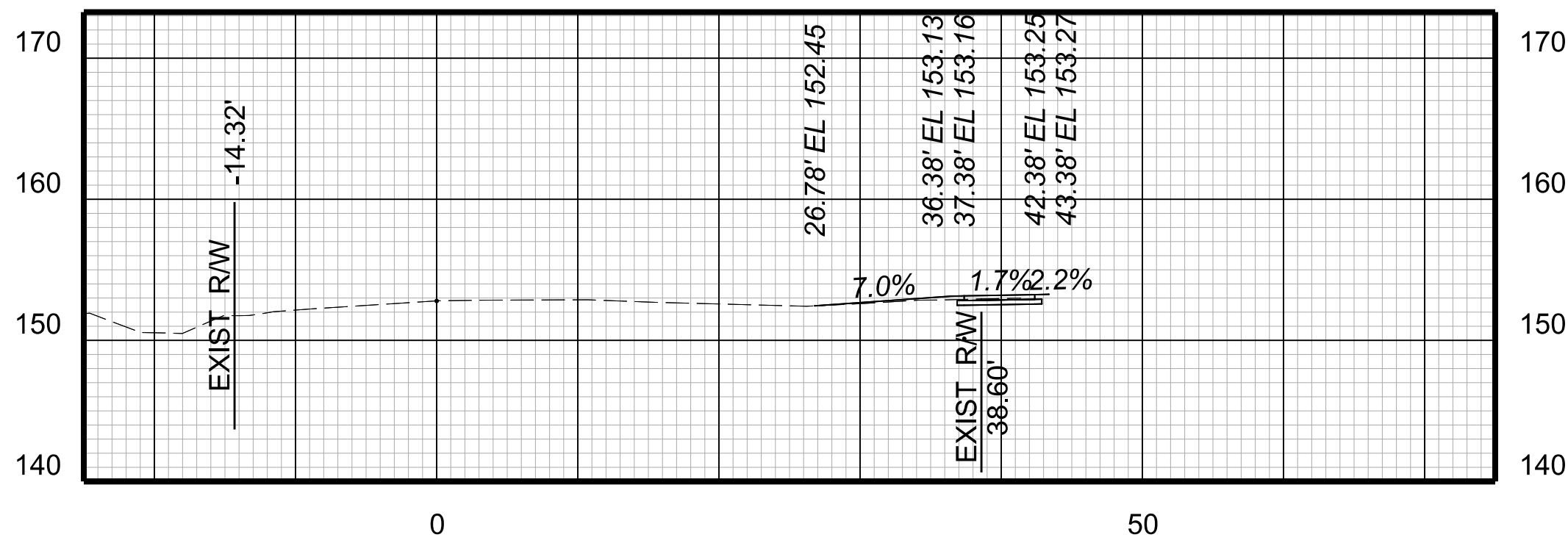
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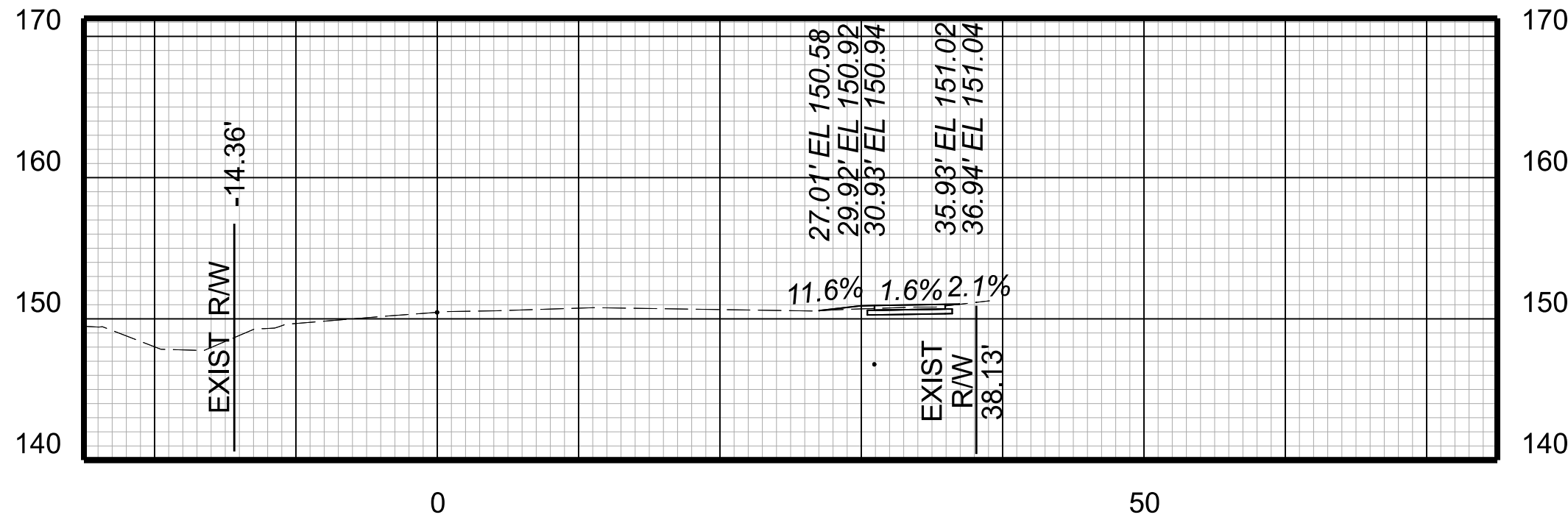
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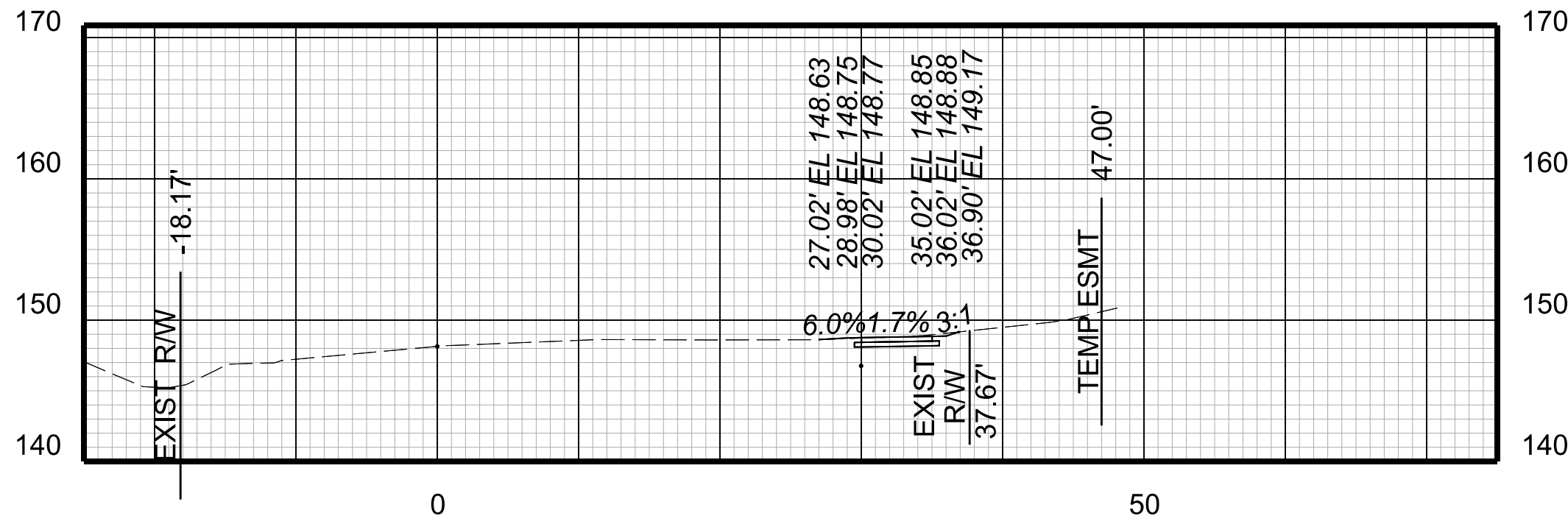
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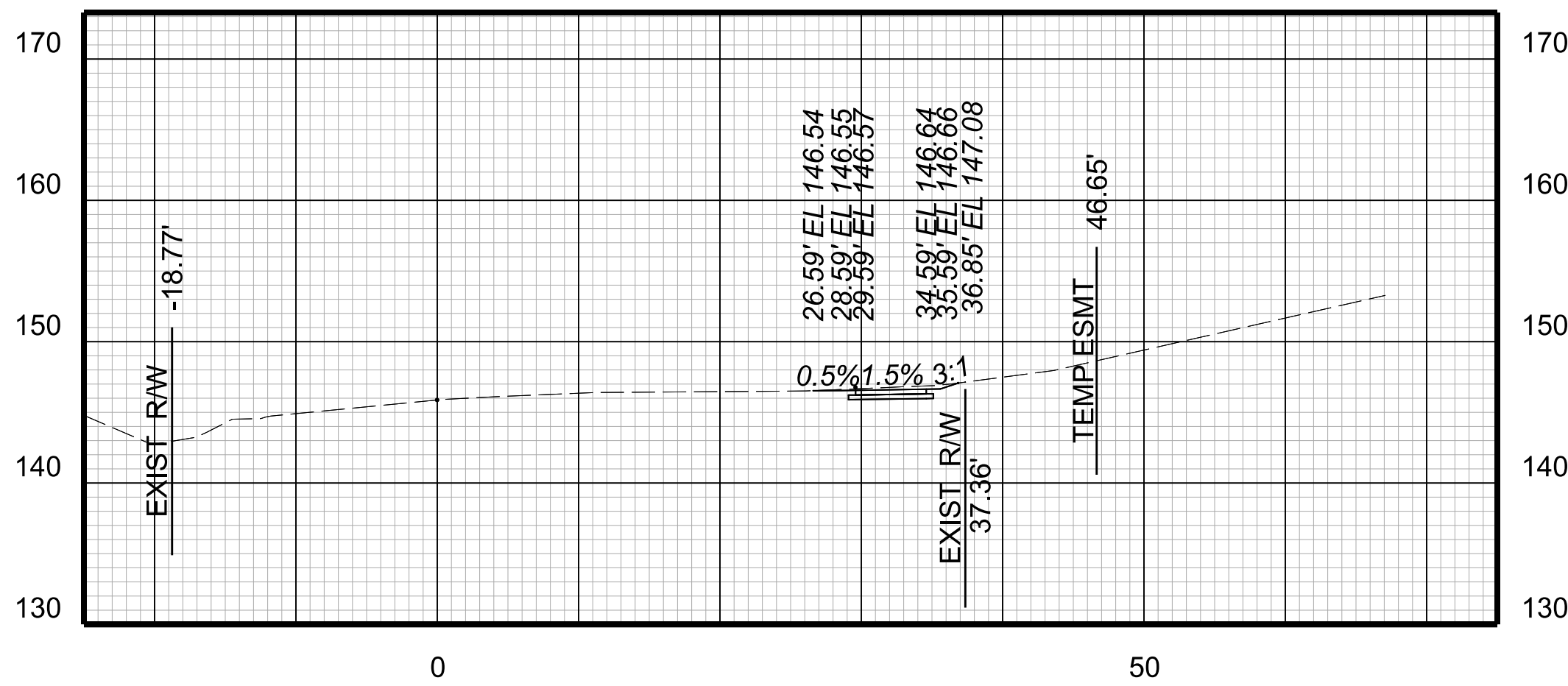
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STA 116+75.00



STA 116+50.00



STA 116+25.00