LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER - Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE - Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY - Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OpenRoads Designer).

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
	Urban Principal Arterial Street System ROLLING - GS-5 PWC Standard PA-1
	PRINCE WILLIAM PKWY, RTE. 294
	Fr: TELEGRAPH ROAD To: I-95
AADT (2022)	67,667
DHV (2022)	3,086
D (%) (design hour)	57.0 (2022)
T (%) (design hour)	2 (2022)
V (MPH)	50 MPH
TC ST'D.	TC-5.11U

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
	Urban Principal Arterial Street System ROLLING - GS-5 PWC Standard PA-1
	PRINCE WILLIAM PKWY, RTE. 294
	Fr: I-95 To: SUMMERLAND DRIVE / YORK DRIVE
AADT (2022)	35,284
DHV (2022)	1,549
D (%) (design hour)	57.0
T (%) (design hour)	3 (2022)
V (MPH)	50 MPH
TC ST'D.	TC-5.11U

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE GENERAL NOTES.

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 REV. SEPT. 2022, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

CONVENTIONAL SIGNS

STATE LINE		LEVEE OR EMBANKMENT	
COUNTY LINE		BRIDGES	
CITY,TOWN OR VILLAGE		CULVERTS	
RIGHT OF WAY LINE		DROP INLET	
FENCE LINE		POWER POLES	
UNFENCED PROPERTY LINE		TELEPHONE OR TELEGRAPH POLES	
FENCED PROPERTY LINE		TELEPHONE OR TELEGRAPH LINES	
WATER LINE		HEDGE	
SANITARY SEWER LINE		TREES	
GAS LINE		HEAVY WOODS	
ELECTRIC UNDERGROUND CABLE		GROUND ELEVATION	
TRAVELED WAY		GRADE ELEVATION	
GUARD RAIL			
RETAINING WALL			
RAILROADS			
BASE OR SURVEY LINE			

FHWA-534-43028
UPC II2463

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	RSTP-5B01(509)	294	0294-076-247 SEE TABULATIONS BELOW FOR SECTION NUMBERS	1

COMMONWEALTH OF VIRGINIA

Prince William County Dept. of Transportation

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

PRINCE WILLIAM PARKWAY (RTE. 294) SIDEWALK - CROSSING OVER I-95

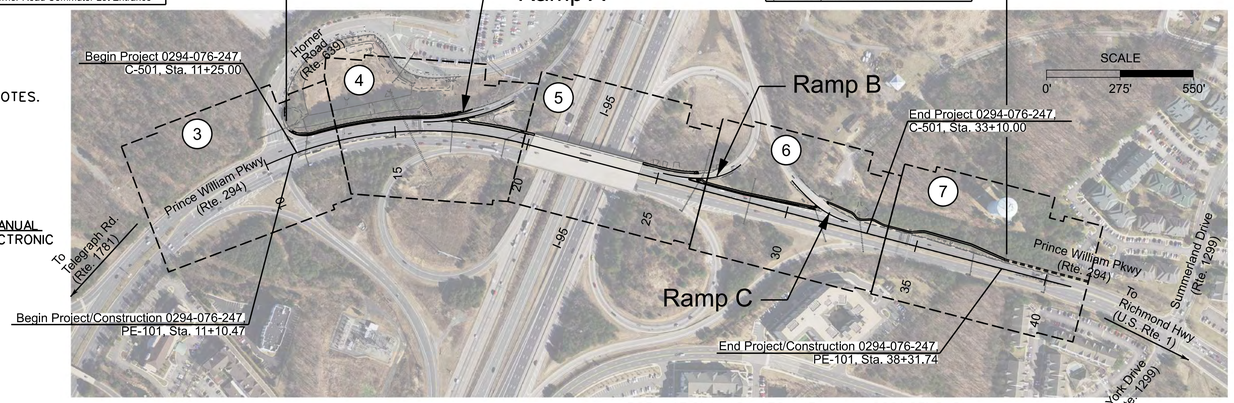
From: Horner Road Commuter Lot Entrance
To: 0.123 Mi. West of Summerland Drive

VDOT Project: 0294-076-247

VA State Plane North NAD83

DESCRIPTION REFERENCE
Begin Proj. at the intersection of Prince William Parkway (Route 294) and Horner Road Commuter Lot Entrance

DESCRIPTION REFERENCE
End Proj. 0.123 mi. West of the intersection of Prince William Parkway (Route 294) and Summerland Drive



POPULATION 484,472 (Est. July 2021 CENSUS)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	PPMS NO.	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	DESCRIPTION
0294-076-247	C-501	-	F000	112463	2,185	0.414	1,763.60	0.334	Construction	From: Horner Road Commuter Lot Entrance To: 0.222 Mi. West of Summerland Drive
	PE-101	RSTP-5B01(509)	PENG	112463	2,721.27	0.515	2,299.87	0.436	Prelim. Engineering	From: Horner Road Commuter Lot Entrance To: 0.123 Mi. West of Summerland Drive

NOTE: PROJECT LENGTH BASED ON CONSTRUCTION BASELINE

PROJECT DISTURBED AREA
Approximately 0.94 acres will be disturbed with this project (Subject to SWM Requirements per IIM-195.13). Not including staging and stockpile areas.

MAINTENANCE NOTE
All proposed roadway, pedestrian and drainage facilities associated with this project are to be maintained by VDOT.

FINAL PLANS
JUNE 2024

All construction is to be performed within existing right of way

TIER 1 PROJECT

LOCALLY ADMINISTERED PROJECTS

NAME OF LOCALITY

(SIGNATURE)
NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICAL (TYPED)
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION
DATE TITLE OF POSITION

(SIGNATURE)
NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICAL (TYPED)
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION
DATE TITLE OF POSITION

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DISTRICT PLANNING AND INVESTMENT MANAGER

DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR CONSTRUCTION

DISTRICT ENGINEER/ADMINISTRATOR

6/28/2024

PWCDOT PROJECT	PROJECT	SHEET NO.
SPR2024-00364	0294-076-247	1

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

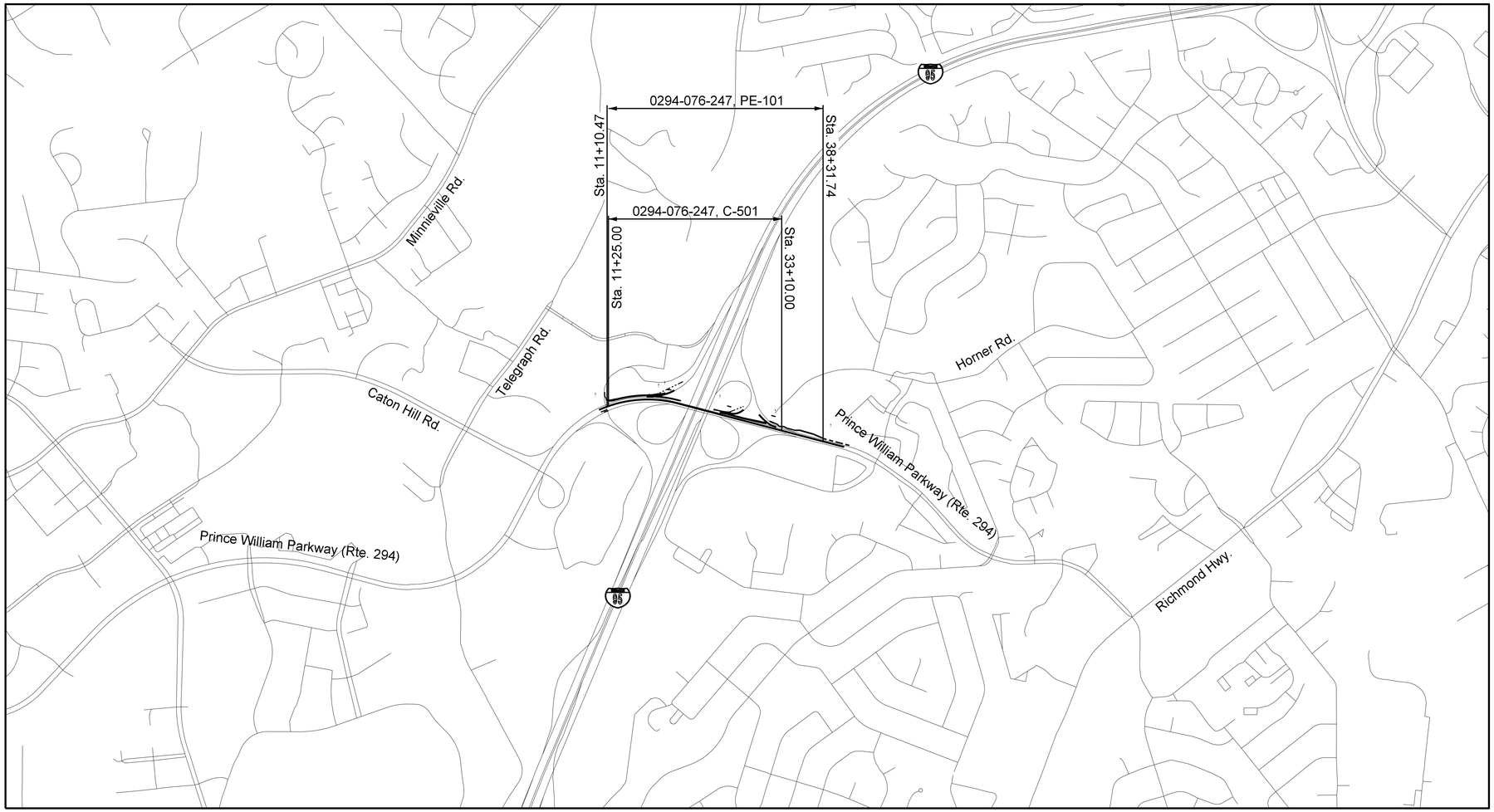
PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Project Location Map

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1A

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



Prince William Parkway (Rte. 294) Sidewalk - Crossing over I-95

Prince William County, Virginia 1" = 750' Scale

Prince William County Population 484,472 (Est. July 2021 Census)

6/28/2024

SCALE	VDOT PROJECT NO.	SHEET NO.
0 750' 1500'	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	1A

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
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Index of Sheets

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1B

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

PROJECT INDEX OF SHEETS
Prince William Parkway Sidewalk - Crossing Over I-95
VDOT Project No.: 0294-076-247
PWCDOT Project No.: SPR2023-XX

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** Sheets not included with this plan submission

VDOT PROJECT NO.	SHEET NO.
0294-076-247	1B
PWCDOT PROJECT NO.	
SPR2024-00364	

6/28/2024

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1C

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Revision Data Sheet

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

State Project: 0294-076-247, PE-101, C-501
Federal Project: RSTP-5B01(509)
From: Horner Road Commuter Lot Entrance
To: 0.23 Mi. West of Summerland Drive
UPC Number: 112463

VDOT PROJECT NO.	SHEET NO.
0294-076-247	1C
PWCDOT PROJECT NO.	
SPR2024-00364	

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FINAL PLANS

6/28/2024

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Survey Control Data

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1F

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D.: 1 Date : 08-01-23

VDOT Project Coordinates (2014)
East (X): N/A ft.
North (Y): N/A ft.
Elevation : N/A ft.

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X): 11830211.615 ft.
North (Y): 6924538.472 ft.
Ortho. Elevation (H): 226.13 ft.
Zone : North X South _ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.____ (9 Decimal Places)

Project Information
Project UPC Number : 112463
Route : Rte. 294 Prince William Parkway
City/County : Prince William
Established By : Rinker Design Associates

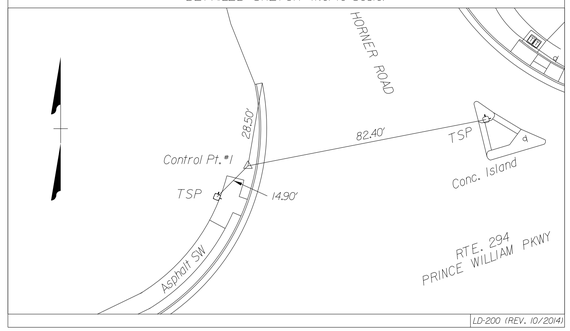
Latitude : 38° 39' 24.44273" N (5 Decimal Places)
Longitude : 77° 17' 01.59153" W (5 Decimal Places)
Geoid Separation (N) : -32.218 m
Ellipsoid Height (h) : 36.706 m
Horizontal Datum : SPC NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 12B
Azimuth to Station : 2 Is 87° 17' 15"
Control Based On: Station (Name/PID) Network RTK
or Project (Monument No.) : _____

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

• Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

• Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D.: 2 Date : 08-01-23

VDOT Project Coordinates (2014)
East (X): N/A ft.
North (Y): N/A ft.
Elevation : N/A ft.

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X): 11830758.041 ft.
North (Y): 6924564.359 ft.
Ortho. Elevation (H): 238.45 ft.
Zone : North X South _ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.____ (9 Decimal Places)

Project Information
Project UPC Number : 112463
Route : Rte. 294 Prince William Parkway
City/County : Prince William
Established By : Rinker Design Associates

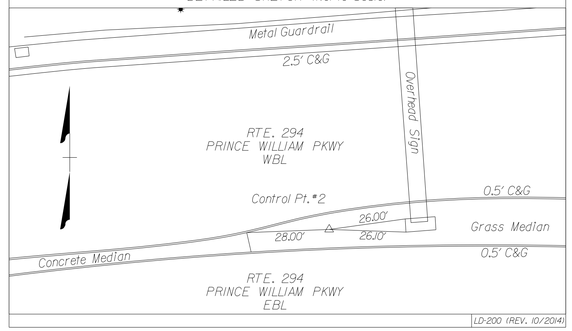
Latitude : 38° 39' 24.62699" N (5 Decimal Places)
Longitude : 77° 16' 54.69912" W (5 Decimal Places)
Geoid Separation (N) : -32.221 m
Ellipsoid Height (h) : 40.459 m
Horizontal Datum : SPC NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 12B
Azimuth to Station : 1 Is 267° 17' 15"
Control Based On: Station (Name/PID) Network RTK
or Project (Monument No.) : _____

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

• Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

• Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



LD-200 (REV. 10/2014)

SURVEY CONTROL

Horizontal Datum - Virginia State Plane North Zone, NAD83, USFT
Vertical Datum - NAVD88, USFT

POINT	NORTHING	EASTING	ELEV.	DESC.
1	6924538.472	11830211.615	226.131	CS
2	6924564.359	11830758.041	238.447	CS
3	6924513.408	11831185.893	251.823	CS
4	6924383.858	11831692.713	256.064	CS
5	6924252.617	11832214.227	246.504	CS
6	6924111.503	11832751.048	235.238	CS
7	6923929.686	11833226.509	221.839	CS
8	6923893.078	11833673.411	209.509	CS

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D.: 7 Date : 08-01-23

VDOT Project Coordinates (2014)
East (X): N/A ft.
North (Y): N/A ft.
Elevation : N/A ft.

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X): 11833226.509 ft.
North (Y): 6923929.686 ft.
Ortho. Elevation (H): 221.84 ft.
Zone : North X South _ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.____ (9 Decimal Places)

Project Information
Project UPC Number : 112463
Route : Rte. 294 Prince William Parkway
City/County : Prince William
Established By : Rinker Design Associates

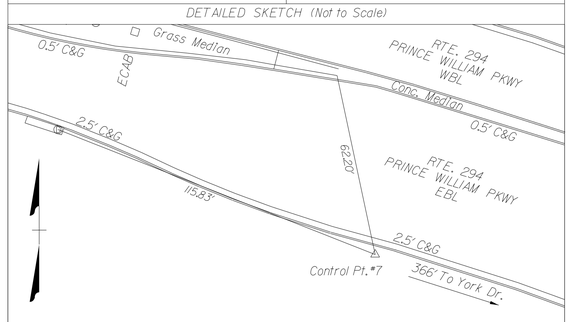
Latitude : 38° 39' 18.02880" N (5 Decimal Places)
Longitude : 77° 16' 23.68929" W (5 Decimal Places)
Geoid Separation (N) : -32.240m
Ellipsoid Height (h) : 35.377 m
Horizontal Datum : SPC NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 12B
Azimuth to Station : 8 Is 94° 40' 59"
Control Based On: Station (Name/PID) Network RTK
or Project (Monument No.) : _____

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

• Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

• Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D.: 8 Date : 08-01-23

VDOT Project Coordinates (2014)
East (X): N/A ft.
North (Y): N/A ft.
Elevation : N/A ft.

VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X): 11833673.411 ft.
North (Y): 6923893.078 ft.
Ortho. Elevation (H): 209.51 ft.
Zone : North X South _ (place an 'X' beside one)

Project Specific Combined Scale Factor: 1.____ (9 Decimal Places)

Project Information
Project UPC Number : 112463
Route : Rte. 294 Prince William Parkway
City/County : Prince William
Established By : Rinker Design Associates

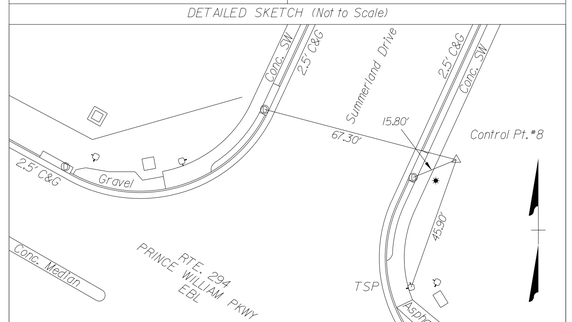
Latitude : 38° 39' 17.60789" N (5 Decimal Places)
Longitude : 77° 16' 18.06211" W (5 Decimal Places)
Geoid Separation (N) : -32.243 m
Ellipsoid Height (h) : 31.616 m
Horizontal Datum : SPC NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 12B
Azimuth to Station : 7 Is 274° 40' 59"
Control Based On: Station (Name/PID) Network RTK
or Project (Monument No.) : _____

To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :

• Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)

• Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



LD-200 (REV. 10/2014)

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247	1F
	PWCDOT PROJECT NO. SPR2024-00364	

6/28/2024

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Construction Alignment Data

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1G

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

Alignment Name: Rte 294_WB
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	1000.000 R1	6924448.858	11830212.784
PC	(25 Scale Baselines)	1016.568 R1	6924455.488	11830227.967
Tangential Direction:		N68.412°E		
Tangential Length:		16.568		
Element: Circular				
PC	( )	1016.568 R1	6924455.488	11830227.967
HPI	( )	1519.601 R1	6924656.781	11830688.970
CC	( )		6923126.642	11830808.198
PT	( )	1984.958 R1	6924529.326	11831175.588
Radius:		1450.000		
Delta:		38.265° Right		
Degree of Curvature (Arc):		3.951°		
Length:		968.390		
Tangent:		503.033		
Chord:		950.493		
Middle Ordinate:		80.095		
External:		84.778		
Back Tangent Direction:		N68.412°E		
Back Radial Direction:		S23.588°E		
Chord Direction:		N85.545°E		
Ahead Radial Direction:		S14.677°W		
Ahead Tangent Direction:		S75.323°E		
Element: Linear				
PT	(25 Scale Baselines)	1984.958 R1	6924529.326	11831175.588
END	( )	4100.000 R1	6923993.432	11833221.614
Tangential Direction:		S75.323°E		
Tangential Length:		2115.042		

Alignment Name: Ramp_A
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Circular				
PC	( )	2000.000 R1	6924609.618	11830799.793
HPI	( )	2095.376 R1	6924610.158	11830895.167
CC	( )		6925484.604	11830794.834
PCC	( )	2190.001 R1	6924631.234	11830988.185
Radius:		875.000		
Delta:		12.441° Left		
Degree of Curvature (Arc):		6.548°		
Length:		190.001		
Tangent:		95.376		
Chord:		189.628		
Middle Ordinate:		5.152		
External:		5.183		
Back Tangent Direction:		N89.675°E		
Back Radial Direction:		S0.325°E		
Chord Direction:		N83.455°E		
Ahead Radial Direction:		S12.766°E		
Ahead Tangent Direction:		N77.234°E		
Element: Circular				
PCC	(25 Scale Baselines3)	2190.001 R1	6924631.234	11830988.185
HPI	( )	2271.234 R1	6924649.184	11831067.410
CC	( )		6925183.242	11830863.115
PT	( )	2351.365 R1	6924688.691	11831138.388
Radius:		566.000		
Delta:		16.335° Left		
Degree of Curvature (Arc):		10.123°		
Length:		161.363		
Tangent:		81.233		
Chord:		160.818		
Middle Ordinate:		5.741		
External:		5.800		
Back Tangent Direction:		N77.234°E		
Back Radial Direction:		S12.766°E		
Chord Direction:		N69.066°E		
Ahead Radial Direction:		S29.101°E		
Ahead Tangent Direction:		N60.899°E		

Alignment Name: Ramp_B
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Circular				
PC	( )	3000.000 R1	6924417.872	11831695.840
HPI	( )	3081.953 R1	6924397.107	11831775.119
CC	( )		6924969.272	11831840.263
PCC	( )	3162.791 R1	6924399.519	11831857.037
Radius:		570.000		
Delta:		16.364° Left		
Degree of Curvature (Arc):		10.052°		
Length:		162.791		
Tangent:		81.953		
Chord:		162.238		
Middle Ordinate:		5.802		
External:		5.861		
Back Tangent Direction:		S75.323°E		
Back Radial Direction:		S14.677°W		
Chord Direction:		S83.505°E		
Ahead Radial Direction:		S1.686°E		
Ahead Tangent Direction:		N88.314°E		
Element: Circular				
PCC	(25 Scale Baselines5)	3162.791 R1	6924399.519	11831857.037
HPI	( )	3237.090 R1	6924401.705	11831931.304
CC	( )		6924607.429	11831850.916
PT	( )	3305.513 R1	6924450.451	11831987.378
Radius:		208.000		
Delta:		39.314° Left		
Degree of Curvature (Arc):		27.546°		
Length:		142.722		
Tangent:		74.299		
Chord:		139.939		
Middle Ordinate:		12.122		
External:		12.872		
Back Tangent Direction:		N88.314°E		
Back Radial Direction:		S1.686°E		
Chord Direction:		N68.656°E		
Ahead Radial Direction:		S41.001°E		
Ahead Tangent Direction:		N48.999°E		

Alignment Name: Ramp_C
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Circular				
PC	( )	4000.000 R1	6924391.071	11832176.936
HPI	( )	4063.540 R1	6924341.906	11832217.186
CC	( )		6924831.326	11832714.709
PCC	(25 Scale Baselines9)	4126.727 R1	6924300.854	11832265.684
Radius:		695.000		
Delta:		10.447° Left		
Degree of Curvature (Arc):		8.244°		
Length:		126.727		
Tangent:		63.540		
Chord:		126.552		
Middle Ordinate:		2.886		
External:		2.898		
Back Tangent Direction:		S39.306°E		
Back Radial Direction:		S50.694°W		
Chord Direction:		S44.530°E		
Ahead Radial Direction:		S40.247°W		
Ahead Tangent Direction:		S49.753°E		
Element: Circular				
PCC	( )	4126.727 R1	6924300.854	11832265.684
HPI	( )	4196.914 R1	6924255.507	11832319.255
CC	( )		6924544.082	11832471.568
PT	( )	4264.895 R1	6924236.864	11832386.921
Radius:		318.667		
Delta:		24.842° Left		
Degree of Curvature (Arc):		17.980°		
Length:		138.168		
Tangent:		70.187		
Chord:		137.088		
Middle Ordinate:		7.459		
External:		7.638		
Back Tangent Direction:		S49.753°E		
Back Radial Direction:		S40.247°W		
Chord Direction:		S62.175°E		
Ahead Radial Direction:		S15.404°W		
Ahead Tangent Direction:		S74.596°E		

6/28/2024

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247	1G
	PWCDOT PROJECT NO.	
	SPR2024-00364	

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

FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Construction Alignment Data

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1G(1)

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

Alignment Name: PR_SW_FRONT
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	5000.000 R1	6924304.401	11832318.030
PC	( )	5086.306 R1	6924269.611	11832397.013
Tangential Direction:		S66.228°E		
Tangential Length:		86.306		
Element: Circular				
PC	( )	5086.306 R1	6924269.611	11832397.013
HPI	( )	5094.206 R1	6924266.426	11832404.243
CC	( )		6924242.156	11832384.920
PT	( )	5101.756 R1	6924260.093	11832408.967
Radius:		30.000		
Delta:		29.508° Right		
Degree of Curvature (Arc):		190.986°		
Length:		15.451		
Tangent:		7.901		
Chord:		15.280		
Middle Ordinate:		0.989		
External:		1.023		
Back Tangent Direction:		S66.228°E		
Back Radial Direction:		S23.772°W		
Chord Direction:		S51.473°E		
Ahead Radial Direction:		S53.281°W		
Ahead Tangent Direction:		S36.719°E		
Element: Linear				
PT	( )	5101.756 R1	6924260.093	11832408.967
PC	( )	5108.895 R1	6924254.371	11832413.235
Tangential Direction:		S36.719°E		
Tangential Length:		7.139		
Element: Circular				
PC	( )	5108.895 R1	6924254.371	11832413.235
HPI	( )	5118.709 R1	6924246.504	11832419.103
CC	( )		6924271.112	11832435.680
PT	( )	5127.773 R1	6924244.022	11832428.598
Radius:		28.000		
Delta:		38.630° Left		
Degree of Curvature (Arc):		204.628°		
Length:		18.878		
Tangent:		9.814		
Chord:		18.523		
Middle Ordinate:		1.576		
External:		1.670		
Back Tangent Direction:		S36.719°E		
Back Radial Direction:		S53.281°W		
Chord Direction:		S56.034°E		
Ahead Radial Direction:		S14.651°W		
Ahead Tangent Direction:		S75.349°E		
Element: Linear				
PT	( )	5127.773 R1	6924244.022	11832428.598
PC	( )	5131.608 R1	6924243.052	11832432.308
Tangential Direction:		S75.349°E		
Tangential Length:		3.835		
Element: Circular				
PC	( )	5131.608 R1	6924243.052	11832432.308
HPI	( )	5139.414 R1	6924241.078	11832439.859
CC	( )		6924291.426	11832444.954
PT	( )	5147.094 R1	6924241.499	11832447.654
Radius:		50.000		
Delta:		17.746° Left		
Degree of Curvature (Arc):		114.592°		
Length:		15.486		
Tangent:		7.806		
Chord:		15.424		
Middle Ordinate:		0.598		
External:		0.606		
Back Tangent Direction:		S75.349°E		
Back Radial Direction:		S14.651°W		
Chord Direction:		S84.222°E		
Ahead Radial Direction:		S3.095°E		
Ahead Tangent Direction:		N86.905°E		
Element: Linear				
PT	( )	5147.094 R1	6924241.499	11832447.654
PC	( )	5167.955 R1	6924242.626	11832468.484
Tangential Direction:		N86.905°E		
Tangential Length:		20.861		
Element: Circular				
PC	( )	5167.955 R1	6924242.626	11832468.484
HPI	( )	5178.017 R1	6924243.169	11832478.532
CC	( )		6924206.678	11832470.428
PT	( )	5187.579 R1	6924238.424	11832487.405
Radius:		36.000		
Delta:		31.232° Right		
Degree of Curvature (Arc):		159.155°		
Length:		19.624		
Tangent:		10.062		
Chord:		19.382		
Middle Ordinate:		1.329		
External:		1.380		
Back Tangent Direction:		N86.905°E		
Back Radial Direction:		S3.095°E		
Chord Direction:		S77.479°E		
Ahead Radial Direction:		S28.137°W		
Ahead Tangent Direction:		S61.863°E		
Element: Linear				
PT	( )	5187.579 R1	6924238.424	11832487.405
PC	( )	5214.387 R1	6924225.781	11832511.045
Tangential Direction:		S61.863°E		
Tangential Length:		26.808		
Element: Circular				
PC	( )	5214.387 R1	6924225.781	11832511.045
HPI	( )	5223.846 R1	6924221.321	11832519.386
CC	( )		6924296.327	11832548.771
PT	( )	5233.217 R1	6924218.928	11832528.537
Radius:		80.000		
Delta:		13.486° Left		
Degree of Curvature (Arc):		71.620°		
Length:		18.830		
Tangent:		9.459		
Chord:		18.787		
Middle Ordinate:		0.553		
External:		0.557		
Back Tangent Direction:		S61.863°E		
Back Radial Direction:		S28.137°W		
Chord Direction:		S68.606°E		
Ahead Radial Direction:		S14.651°W		
Ahead Tangent Direction:		S75.349°E		
Element: Linear				
PT	( )	5233.217 R1	6924218.928	11832528.537
PC	( )	5322.602 R1	6924196.320	11832615.016
Tangential Direction:		S75.349°E		
Tangential Length:		89.385		
Element: Circular				
PC	(25 Scale Baselines10)	5322.602 R1	6924196.320	11832615.016
HPI	( )	5330.254 R1	6924194.385	11832622.419
CC	( )		6924244.695	11832627.662
PT	(25 Scale Baselines11)	5337.788 R1	6924194.752	11832630.062
Radius:		50.000		
Delta:		17.402° Left		
Degree of Curvature (Arc):		114.592°		
Length:		15.186		
Tangent:		7.652		
Chord:		15.128		
Middle Ordinate:		0.575		
External:		0.582		
Back Tangent Direction:		S75.349°E		
Back Radial Direction:		S14.651°W		
Chord Direction:		S84.050°E		
Ahead Radial Direction:		S2.751°E		
Ahead Tangent Direction:		N87.249°E		
Element: Linear				
PT	( )	5337.788 R1	6924194.752	11832630.062
PC	( )	5372.511 R1	6924196.419	11832664.745
Tangential Direction:		N87.249°E		
Tangential Length:		34.723		
Element: Circular				
PC	(25 Scale Baselines11)	5372.511 R1	6924196.419	11832664.745
HPI	( )	5380.654 R1	6924196.810	11832672.878
CC	( )		6924146.476	11832667.145
PT	(25 Scale Baselines12)	5388.655 R1	6924194.600	11832680.715
Radius:		50.000		
Delta:		18.499° Right		
Degree of Curvature (Arc):		114.592°		
Length:		16.144		
Tangent:		8.143		
Chord:		16.074		
Middle Ordinate:		0.650		
External:		0.659		
Back Tangent Direction:		N87.249°E		
Back Radial Direction:		S2.751°E		
Chord Direction:		S83.501°E		
Ahead Radial Direction:		S15.748°W		
Ahead Tangent Direction:		S74.252°E		
Element: Linear				
PT	( )	5388.655 R1	6924194.600	11832680.715
PC	( )	5555.759 R1	6924149.245	11832841.547
Tangential Direction:		S74.252°E		
Tangential Length:		167.104		
Element: Circular				
PC	(25 Scale Baselines12)	5555.759 R1	6924149.245	11832841.547
HPI	( )	5559.265 R1	6924148.294	11832844.922
CC	( )		6924101.122	11832827.976
PT	(25 Scale Baselines13)	5562.761 R1	6924146.880	11832848.131
Radius:		50.000		
Delta:		8.023° Right		
Degree of Curvature (Arc):		114.592°		
Length:		7.002		
Tangent:		3.507		
Chord:		6.996		
Middle Ordinate:		0.123		
External:		0.123		
Back Tangent Direction:		S74.252°E		
Back Radial Direction:		S15.748°W		
Chord Direction:		S70.240°E		
Ahead Radial Direction:		S23.772°W		
Ahead Tangent Direction:		S66.228°E		
Element: Linear				
PT	( )	5562.761 R1	6924146.880	11832848.131
PC	( )	5693.265 R1	6924094.274	11832967.563
Tangential Direction:		S66.228°E		
Tangential Length:		130.504		
Element: Circular				
PC	(25 Scale Baselines13)	5693.265 R1	6924094.274	11832967.563
HPI	( )	5697.227 R1	6924092.677	11832971.189
CC	( )		6924140.032	11832987.717
PT	(25 Scale Baselines14)	5701.173 R1	6924091.671	11832975.022
Radius:		50.000		
Delta:		9.062° Left		
Degree of Curvature (Arc):		114.592°		
Length:		7.909		
Tangent:		3.963		
Chord:		7.900		
Middle Ordinate:		0.156		
External:		0.157		
Back Tangent Direction:		S66.228°E		
Back Radial Direction:		S23.772°W		
Chord Direction:		S70.759°E		
Ahead Radial Direction:		S14.709°W		
Ahead Tangent Direction:		S75.291°E		
Element: Linear				
PT	( )	5701.173 R1	6924091.671	11832975.022
END	( )	6021.339 R1	6924010.376	11833284.694
Tangential Direction:		S75.291°E		
Tangential Length:		320.165		

6/28/2024

VDOT PROJECT NO.	SHEET NO.
0294-076-247	1G(1)
PWCDOT PROJECT NO. SPR2024-00364	

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Existing Utility Information

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	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: 10/02/23
Date Test Hole Locations Added: 06/26/24

Accumark, Inc. Performed An Underground Utility Investigation Effort In September 2023 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.

Quality Control / Quality Assurance Review Performed 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 As Identified In The VA 811 System. 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, QLD, And GPR Linework.

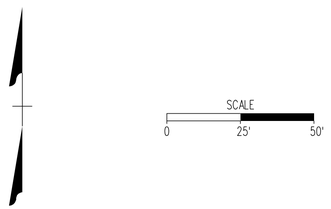
Utility Field Location Reference Notes:

All Horizontal And Vertical Survey Data Contained In Utility Mapping File "NV23-090 Accumark Utilities" Are Referenced To Traverse Stations / Control Points As Shown In A Text File Entitled "19096-014 ADJ TRV 83-88.txt" Emailed From Rinker Design On 08/15/2023.

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 "sil2463.dgn" Emailed From Rinker Design On 08/15/2023.

Utility Notes

(W1) Additional Electronic Investigation Combined With Test Hole Verification, Led To A Water Line Alignment Revision.



Utility Owners:

WATER & SEWER:

Fairfax Water (FCW) - Received
8560 Arlington Blvd Fairfax, VA 22031
Pasquale Arcese IV
(703) 289-6307
parcese@fairfaxwater.org

Prince William County (PWS) - Received
4 County Complex Ct, Woodbridge, VA 22192
Ed Kovalchuk
(703) 335-7944
ekovalchuk@pwcsa.org

ELECTRIC:

Dominion Energy (DOM) - Received
3072 Centreville Rd
Richmond, VA 23219
William Seltter
(703) 727-0567
William.C.Seltter@dominionenergy.com

TELECOMMUNICATIONS:

(Century LInk\Qwest\level 3) - Lumen - Received, No Facilities
Tulsa, OK
Samantha Meyer
Samantha.meyer@lumen.com
relocations@lumen.com

Verizon Business (MCI) - Requested, Not Received
1127 International Parkway, Suite 293
Fredricksburg, VA 22406
Keith Davis
keith.e.davis@verizon.com

Verizon (VZN) - Received
4242 Duke Street Alexandria, VA 22304
Antonio Ashby
252-405-3941
antonio1.ashby@verizon.com

GAS:

Eastern Gas Transmission (EGT) - Received
4074I Consolidated Lane
Leesburg, VA 20175
Karla Tyson
(814) 367-8060
karla.tyson@bhegts.com

Washington Gas (WGL) - Received
6801 Industrial Rd.
Springfield, VA 22151
Mark Tajnai
(703) 750-5667
mtajnai@washgas.com

UTILITY LEGEND

EB	Electric Box	TB	Telephone Booth
	Electric Guy Pole		Telephone Guy Pole
	Electric Ground Light		Telephone Guy Wire
	Electric Guy Wire		Test Holes (All Utilities)
E	Electric Hand Hole		Telephone Cell Tower
	Electric Meter	T	Telephone Hand Hole
E	Electric Manhole	T	Telephone Manhole
	Electric Marker Post		Telephone Marker Post
E	Electric Pedestal		Telephone Pole
	Electric Stub	T	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)	TC	Traffic Control Hand Hole
	Fire Hydrant	TC	Traffic Control Manhole
F	Fiber Optic Hand Hole		Traffic Control Guy Wire
	Fiber Optic Marker	TC	Traffic Control Pedestal
FO	Fiber Optic Manhole		Traffic Signal Guy Pole
FO	Fiber Optic Pedestal		Traffic Signal Pole
	Gas Meter		Traffic Signal Pole w/Luminaire
G	Gas Manhole		Telephone Stub
	Gas Marker Post	TV	Television Hand Hole
MW	Gas Monitoring Well	TV	Television Manhole
	Gas Stub		Television Marker Post
	Gas Test Station	TV	Television Pedestal
	Gas Valve		Television Stub
	Gas Vent		Water Blow Off
	Gas Well	W	Water Well
	Sanitary Air Release Valve		Water Meter
	Sanitary Flow Arrow	WM	Water Manhole
	Sanitary Stub		Water Marker Post
	Sewer Clean Out		Water Spigot
	Sanitary Force Main Valve		Water Siamese Connection
	Sanitary Marker Post		Water Stub
S	Sanitary Manhole		Water Valve
	Sewer Vent Pipe		Water Post Inspection Valve
	Unknown Clean Out		Water Irrigation Valve
U	Unknown Hand Hole	ST	Water Steam Manhole
UK	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
SAN	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)

6/28/2024

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	1H

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

FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1J

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

Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

TMP/SOC General Notes

Temporary Traffic Control Plan

General Notes:

1. Transportation Management Plan/Sequence of Construction Type B Project Information:

A. Identify the project's TMP Type:
This project's TMP/SOC has been designed in conformance with a Type B, Category III TMP/SOC.

B. Identify the work zone location, length, and widths:
The project location is as shown on Sheet 1A. The work zone areas have been delineated as shown on the TMP/SOC Sheet 1K through 1L series. The work zone lengths and widths vary by location as shown in these plans.

C. Note the hours the Construction Area will be active:
Construction Area shall be considered active when any impact to traffic occurs (1st Cone in Road). Construction Area hours have the following limitations, unless otherwise approved or directed by the engineer and Prince William County:

One-lane closures will be restricted to the hours of 9:30 am to 3:00pm, Monday through Thursday, 9:30 am to 2:00 pm., Friday, and night time closures are allowed from 10:00 pm to 5:00 am.

No lane closures will be allowed from noon on the day before a holiday until noon on the workday following the holiday. Holidays include all State and Federal holidays.

Designation of Night Time Hours:
Night time hours shall be designated as hours between 10:00 pm through 5:00 am.
Night time work requires approval by the Prince William County Project Manager.

Designation of Peak Hours:
Peak hours are 6:00 am through 9:30 am & 3:00 pm through 7:00 pm.

D. The TMP/SOC, during construction, shall be in accordance with the Virginia Department of Transportation Road and Bridge Specifications, dated 2020; the 2011 Virginia Work Area Protection Manual, 2020 Revision 2.1; the Manual on Uniform Traffic Control Devices (MUTCD), Revision 1 & 2, 2009 Edition; and the Virginia Supplement to the MUTCD, dated 2011.

E. Note any existing entrances, existing intersections, or existing pedestrian access points that will be affected by the Construction Area or by the traffic control devices:

Existing Entrances:
There are no existing entrances within the project area.

Existing Intersections:
There are two intersections within the project limits:
An existing signalized intersection at the eastern end of project limits at Prince William Parkway and Summerland Drive/York Drive. This intersection shall remain operational for the duration of the project.

An existing signalized intersection at the western end of project limits at Prince William Parkway and Horner Road. This intersection shall remain operational for the duration of the project.

Existing Pedestrian Access Points:
There are no paved pedestrian access routes within the project area. However, at the intersection of Prince William Parkway and Horner Road there is an existing marked crossing to a dead end ramp. Throughout the duration of construction and sidewalk closure barricade shall be placed on the existing SUP at the NW quadrant of the intersection as shown in the plans.

Existing Bus Stops:
There are no existing bus stop within project limits.

F. Identify the major types of travelers:
The roadway carries mostly local and commuter traffic accessing I-95 or residential and commercial properties to the east and west of the project area along Prince William Parkway.

G. The Contractor, at no additional cost to the project and which shall be considered incidental to the cost of the project, shall:

Designate a person assigned to the project who will have the primary responsibility, with sufficient authority, for implementing the TMP/SOC and other safety and mobility aspects of the permit work. This person shall be designated the "Project Safety Officer."

Ensure that personnel assigned to the project are trained in traffic control to a level commensurate with their responsibilities in accordance with VDOT's work zone traffic control training guidelines.

Inform the VDOT, Prince William County, Lane Closure Advisory Management System (LCAMS), and/or the Engineer of any work requiring lane shifts, lane closures, and/or phase changes a minimum of one week prior to implementing this activity. Prince William County may use various media publications to announce changes in traffic conditions for which the Contractor shall provide information as needed at no additional cost to the project.

Perform reviews of the Construction Area to ensure compliance with contract documents at regularly scheduled intervals at the direction of the Engineer. Contractor shall maintain a copy of the temporary traffic control plan at the work site at all times.

The Contractor shall coordinate with the Prince William County Police Department, Prince William County Fire/Rescue Department, and Virginia State Police for any lane closures and any detours of any nature at no additional cost to the project.

Notify the Regional Transportation Operations Center (TOC) 1 week in advance in order to place lane closure information on the 511 system and VA-Traffic.

Schedule all phases of construction in such a manner that water, sanitary sewer, cable, fiber cable/optic cable, any overhanging utilities, and any underground utilities services will not be interrupted.

H. During non-working hours, all construction equipment is to stay outside of the construction area clear zone as designated in the VWAPM, Appendix A. Construction equipment is not to block or obstruct sight distance at any intersection or ramp terminal along the project when the construction work zone is active.

2. During non-working hours, all construction equipment is to stay outside of the construction area clear zone as designated in the VWAPM, Appendix A. Construction equipment is not to block or obstruct sight distance at any intersection or ramp terminal along the project when the construction work zone is active.

3. It is understood that the work is to be done utilizing the TTC plaques from the Virginia Work Area Protection Manual (2020 Rev 2.1). However, if there is any significant deviation from the TTC Plaques then a revision shall be submitted for review. Work will only be allowed to proceed under existing TTC Plaques until the review is complete.

4. This TMP/SOC plan is intended as a guide. It is not to enumerate every detail which must be considered in the construction of each phase, but only to show the general handling of existing traffic. The distance requirements for the advance warning signs, the contractor may modify the TTC examples in the Virginia Work Area Protection Manual only slightly. Any significant deviation will require a signed and sealed plan to be submitted for approval PRIOR to work at the proposed location. It shall be the responsibility of the Contractor to present a formal TMP/SOC plans with construction signage.

5. Contractor is to maintain a minimum of one lane along WB Prince William Parkway at all times during construction (there are no impacts to EB traffic). When construction zone is not active, the Contractor shall ensure the existing lane configuration is maintained

6. Existing surface, aggregate base, and sub base material which will be demolished or obliterated during construction, and which are suitable for maintenance of traffic, should be utilized prior to the use of commercial material.

7. Each phase of construction shall be completed to the installation of intermediate course asphalt prior to the start of final surface paving unless otherwise directed by the Engineer.

8. Contractor shall ensure positive drainage for the duration of the project. Contractor shall add any additional temporary measures necessary to facilitate proper, positive drainage for the duration of construction.

9. Where Group 2 Channelizing Devices are used to separate the Construction Area and traffic, a minimum clear zone area as defined in the VWAPM, Appendix A is to be maintained.

10. The Contractor is to coordinate with Prince William County for location(s) of the construction staging area(s). Contractor shall obtain all necessary permits and easements for the construction staging area and/or office to be located onsite within the project limits. The Contractor is responsible for these costs (permits, easements), and they shall be incidental to the project and not paid for as a separate item.

11. All areas excavated below the existing pavement surface and within the clear zone at the conclusion of each workday, shall be backfilled to form an approximate 6:1 wedge against the existing pavement or newly constructed pavement surface for the safety and protection of vehicular traffic. All costs for placing, maintaining, and removing 6:1 wedge shall be included in the price bid for other items in the contract and no additional compensation shall be allowed.

12. The mill and overlay areas (i.e. construction in Phase 1) to be done in accordance with VWAPM, Rev. 2 and St'd ACOT-1, where appropriate, to ensure smooth transition.

13. In areas where existing guardrail is to be removed and new guardrail to to be installed behind proposed curb, the existing guardrail shall remain in place until the proposed guardrail is installed.

14. IMPLEMENTING THE TRANSPORTATION MANAGEMENT PLAN

During the first day of the new work zone traffic pattern, the project's Manager and project's Maintenance of Traffic Coordinator shall inspect the work zone to ensure compliance with the TMP. On the third to fifth day of implementation of the TMP's new work zone traffic pattern, the District Work Zone Safety Coordinator and the project's Maintenance of Traffic Coordinator shall conduct an on-site review of the work zone's performance and recommend to the Contractor any required changes to the TMP to enhance the work zone's safety and mobility. All such changes shall be documented. An on-site review of the project's work zone traffic control by the District Work Zone Safety Coordinator, project's Manager/Maintenance of Traffic Coordinator, District Safety Engineer, and the Contractor shall be conducted within 48 hours of any fatal incident/crash within the work zone.

15. EVALUATION OF THE TRANSPORTATION MANAGEMENT PLAN

A performance assessment of the TMP including area-wide impacts on adjacent roadways shall be performed by the Regional Traffic Engineering and Operations sections during construction. As circumstances dictate, a review of the overall effectiveness of the project's TMP shall be completed during the Post-Construction Meeting and included with the Post-Construction Report. A copy of the specific information on the effectiveness of the TMP will be forwarded to the State Traffic Engineer for review. A copy of the TMP Interim/Post-Construction Report Form can be obtained from the Regional Traffic Engineer.

16. PUBLIC COMMUNICATIONS PLAN
The Contractor shall be responsible for:

Notifying the Project Manager/Residency Administrator two weeks in advance of any scheduled work plans and traffic delays.

Notifying the Project Manager/Residency Administrator, Regional Operations Manager, and the Public Affairs Staff of any unscheduled traffic delays.

17. TRANSPORTATION OPERATIONS
The Contractor shall be responsible for implementing and providing the following:

Maintaining project lane closure information on LCAMS and VaTraffic throughout the duration of the project. It is suggested that an individual should be designated as the point of contact and receive training on how to enter the necessary information into LCAMS. The contractor shall contact the VDOT TOC 15-45 minutes prior to executing all lane and/or shoulder closures and contact TOC after the work has been completed and lane and/or shoulder closures have been removed.

Notify the Lane Closure Advisory Management System (LCAMS) at least ten (10) days in advance of the proposed lane and/or shoulder closure(s) in order to place lane closure information on the 511 System and VA-Traffic. Notice shall be provided no later than the close-of-business Wednesday prior to the requested operation.

Post a list of local emergency response agencies inside the project's construction office/trailer.

Immediately report any traffic incidents that may occur in the work zone.

Notify the project's Maintenance of Traffic Coordinator, Project Manager, Resident Administrator, District Work Zone Safety Coordinator, District Traffic Engineer, the Regional Operations Manager, and Public Affairs Manager of any incidents and expected traffic delays.

Within 24 hours of any incidents within the construction work zone, a review of the traffic controls shall be completed and necessary adjustments made to reduce the frequency and severity of any future incidents.

CONTACT NUMBERS

Project Manager	Gladis Arboleda	(703) 792-5276
Construction Manager	Mo Ayyoubi	(703) 792-7193
Construction Safety Manager	TBD	TBD
Public Relations	TBD	TBD
VDOT Residency Administrator - Construction	TBD	TBD
District Work Zone Safety Coordinator(s)	TBD	TBD
Emergency Call		911
Non-Emergency Numbers:		
Prince William County Police		(703) 792-6500
Prince William County Fire & Rescue		(703) 792-6800

TMP/SOC Designer:
Adam Welschenbach, P.E.
Advance Work Zone Traffic Control Training, VDOT Certificate No. 011024126, Expires 1-31-2028

Commonwealth of Virginia VDOT
Virginia Department of Transportation
VERIFICATION OF COMPLETION OF VDOT ADVANCED WORK ZONE TRAFFIC CONTROL TRAINING

This is to verify that Adam Welschenbach has successfully completed training and an examination by the Department on the proper practices and methods for the installation, maintenance, removal of temporary traffic control devices and flagging operations.

Expiration Date: 1/31/2028
Verification Number: 011024126
State Traffic Ops Eng

VDOT PROJECT NO.	SHEET NO.
0294-076-247	1J
PWCDOT PROJECT NO. SPR2024-00364	

6/28/2024

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

FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1K

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Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

TMP/SOC Phase 1

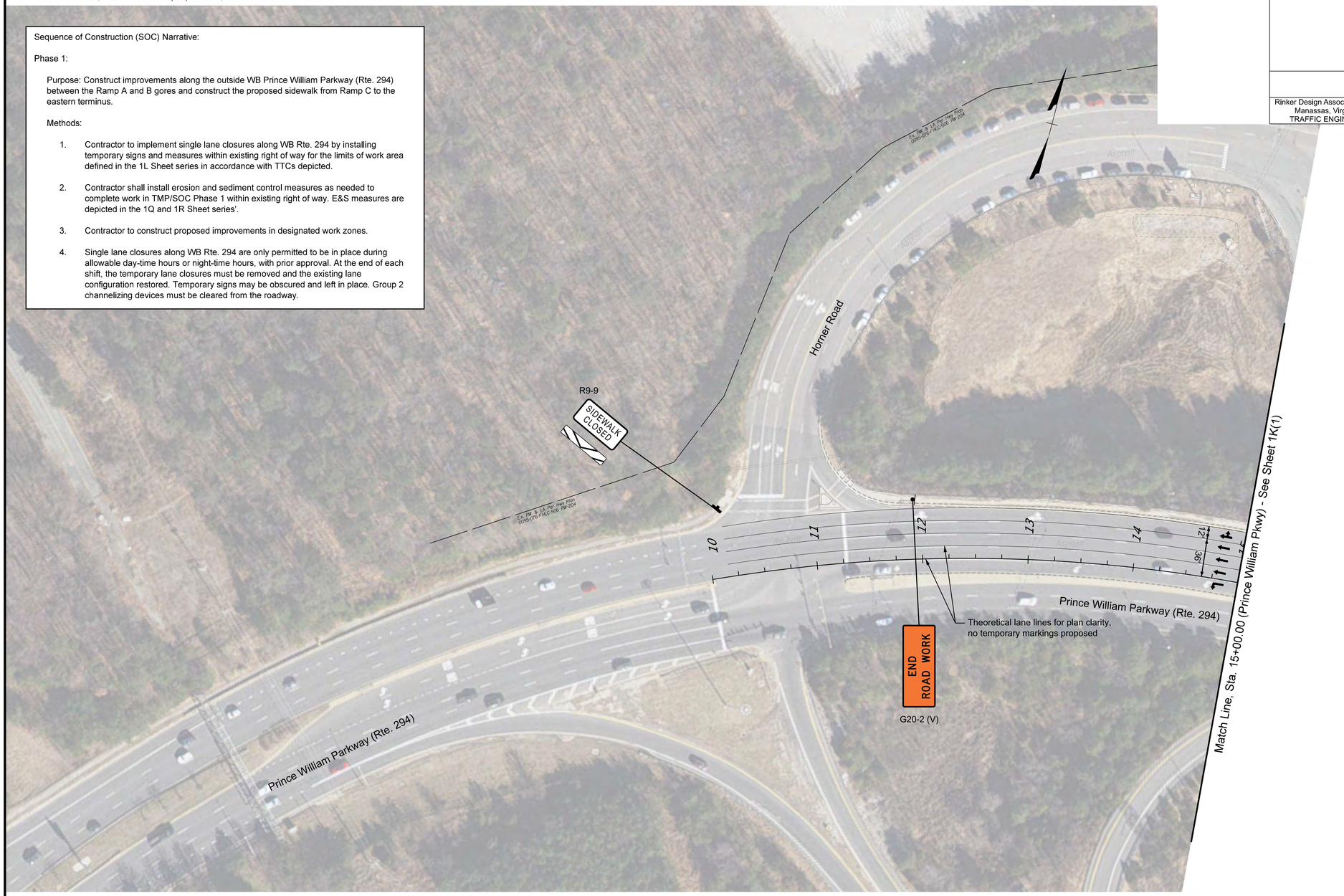
Sequence of Construction (SOC) Narrative:

Phase 1:

Purpose: Construct improvements along the outside WB Prince William Parkway (Rte. 294) between the Ramp A and B gores and construct the proposed sidewalk from Ramp C to the eastern terminus.

Methods:

1. Contractor to implement single lane closures along WB Rte. 294 by installing temporary signs and measures within existing right of way for the limits of work area defined in the 1L Sheet series in accordance with TTCs depicted.
2. Contractor shall install erosion and sediment control measures as needed to complete work in TMP/SOC Phase 1 within existing right of way. E&S measures are depicted in the 1Q and 1R Sheet series'.
3. Contractor to construct proposed improvements in designated work zones.
4. Single lane closures along WB Rte. 294 are only permitted to be in place during allowable day-time hours or night-time hours, with prior approval. At the end of each shift, the temporary lane closures must be removed and the existing lane configuration restored. Temporary signs may be obscured and left in place. Group 2 channelizing devices must be cleared from the roadway.



Maintenance of Traffic Legend

- Denotes Work Area This Phase
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Type III Barricade
- Denotes Temporary Sign

Notes:

1. No temporary pavement markings are proposed.
2. Contractor to field verify temporary sign locations so that required stopping sight distance is provided

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0 50' 100'	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	1K

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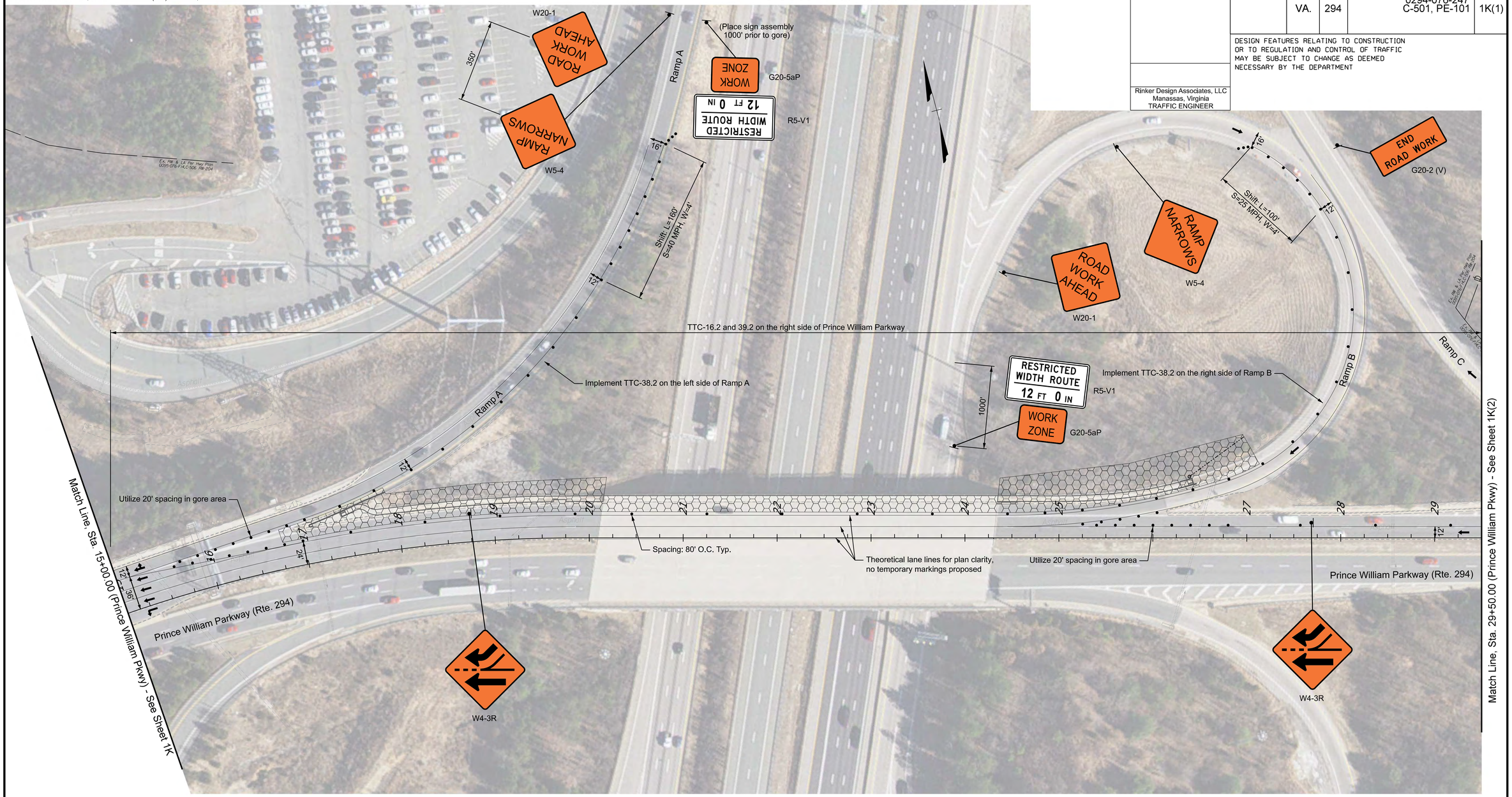
Manassas, Virginia
TRAFFIC ENGINEER



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	VA.	294	0294-076-247 C-501, PE-101	1K(2)

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Manassas, Virginia
TRAFFIC ENGINEER

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TMP/SOC Phase 2

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1L

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Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER

Sequence of Construction (SOC) Narrative:

Phase 2:

Purpose: Construct improvements along the outside WB Prince William Parkway (Rte. 294) between Horner Rd and Ramp A and construct the improvements between the Ramp B and C gores.

Methods:

1. Contractor to implement single lane closures along WB Rte. 294 by installing temporary signs and measures within existing right of way for the limits of work area defined in the 1K Sheet series in accordance with TTCs depicted.
2. Contractor shall install erosion and sediment control measures as needed to complete work in TMP/SOC Phase 2 within existing right of way. E&S measures are depicted in the 1Q and 1R Sheet series'.
3. Contractor to construct proposed improvements in designated work zones.
4. Single lane closures along WB Rte. 294 are only permitted to be in place during allowable day-time hours or night-time hours, with prior approval. At the end of each shift, the temporary lane closures must be removed and the existing lane configuration restored. Temporary signs may be obscured and left in place. Group 2 channelizing devices must be cleared from the roadway.
5. When installing the guardrail upgrades at the corner of Horner Rd and Rte. 294, implement a partial turn lane closure along EB Rte. 294 as shown in the plans. While this area is not being worked on the partial closures should be omitted.

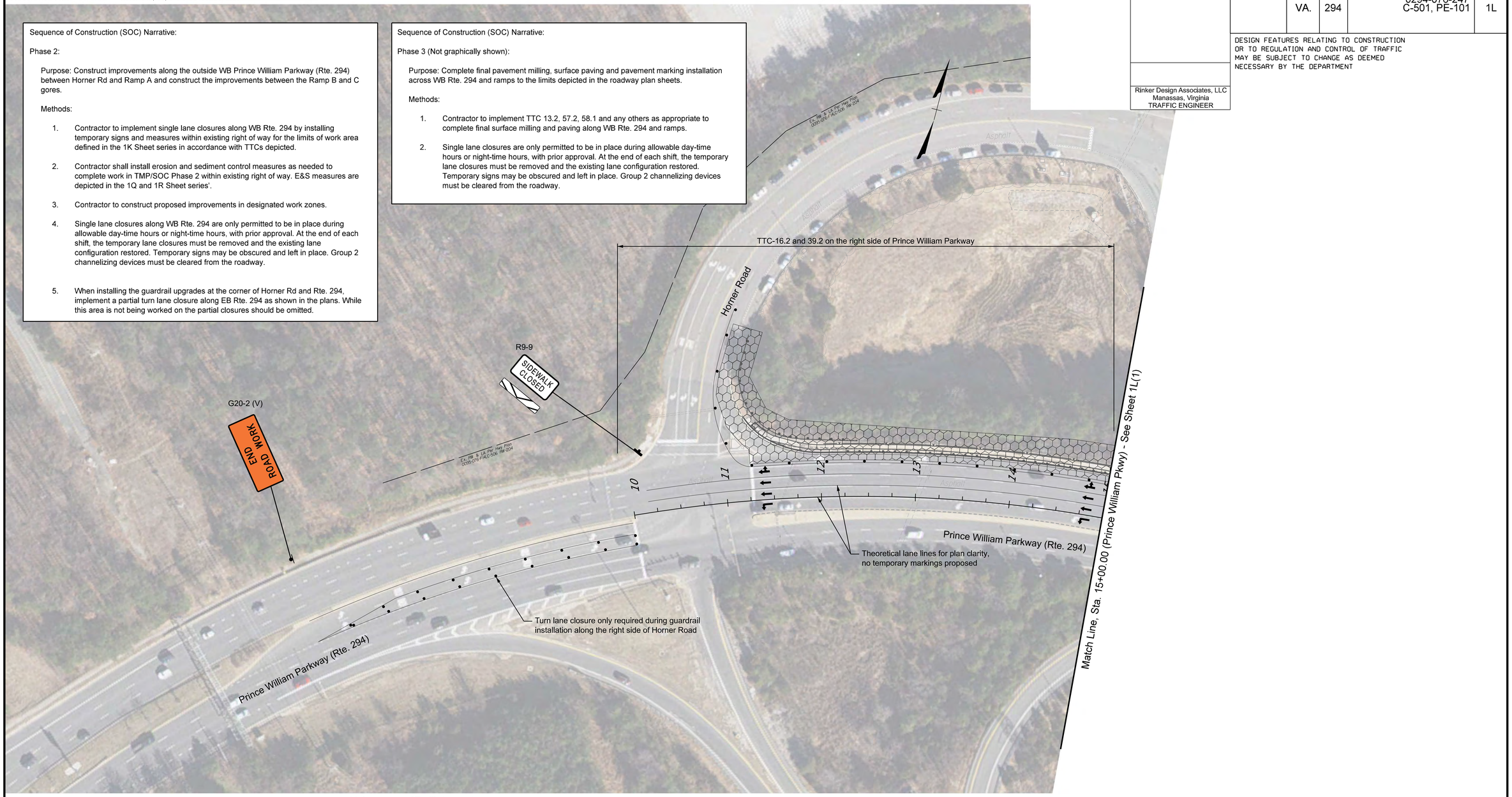
Sequence of Construction (SOC) Narrative:

Phase 3 (Not graphically shown):

Purpose: Complete final pavement milling, surface paving and pavement marking installation across WB Rte. 294 and ramps to the limits depicted in the roadway plan sheets.

Methods:

1. Contractor to implement TTC 13.2, 57.2, 58.1 and any others as appropriate to complete final surface milling and paving along WB Rte. 294 and ramps.
2. Single lane closures are only permitted to be in place during allowable day-time hours or night-time hours, with prior approval. At the end of each shift, the temporary lane closures must be removed and the existing lane configuration restored. Temporary signs may be obscured and left in place. Group 2 channelizing devices must be cleared from the roadway.



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Manassas, Virginia
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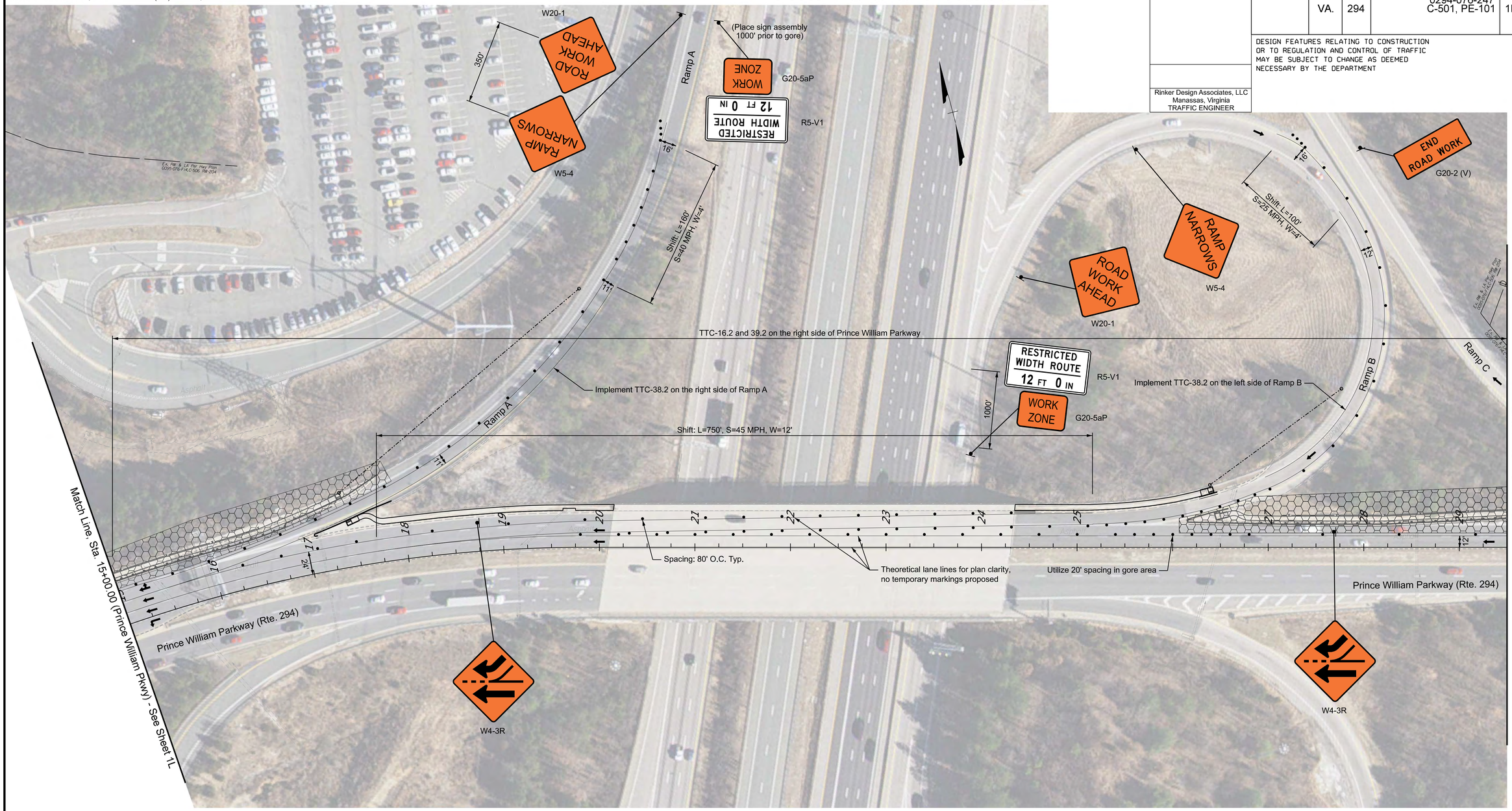

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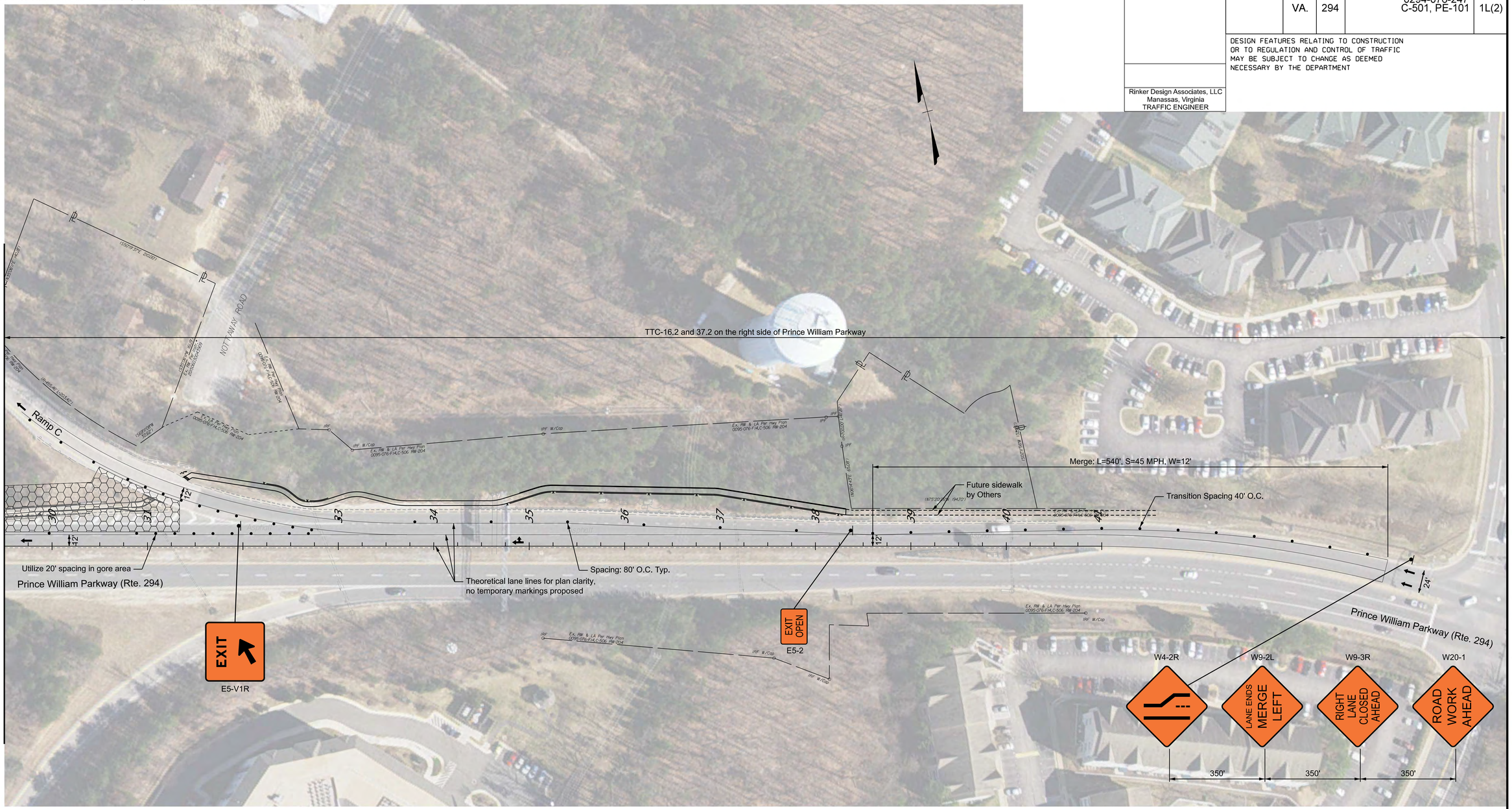

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SCALE 0 50' 100'

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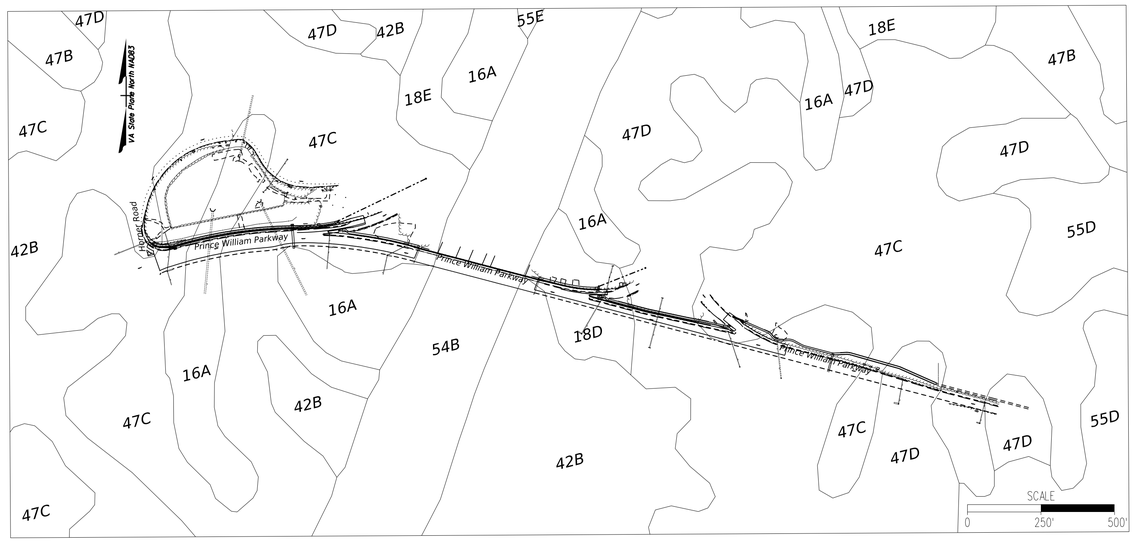
SOILS IDENTIFICATION MAP



SOIL NUMBER	SOIL NAME	HSG	K-FACTOR	DRAINAGE CLASS	SLOPES	RUNOFF CLASS	DEPTH TO BEDROCK	FLOODING	SHRINK/ SWELL	EROSION HAZARD
16A	Delanco Fine Sandy Loam	C/D	0.28	Moderately Well Drained	0-4%	Medium	>80"	Rare	Low	Moderate
18D	Dumfries Sandy Loam	A	0.24	Well Drained	15-25%	Medium	>80"	None	Low	Severe
18E	Dumfries Sandy Loam	A	0.24	Well Drained	25-50%	Medium	>80"	None	Low	Severe
42B	Neabsco-Quantico Complex	B	0.43	Moderately Well Drained	2-7%	Very High	14 -30"	None	Low	Moderate
47B	Quantico Sandy Loam	B	0.32	Well Drained	2-7%	Medium	>80"	None	Moderate	Moderate
47C	Quantico Sandy Loam	B	0.32	Well Drained	7-15%	Medium	>80"	None	Moderate	Severe
47D	Quantico Sandy Loam	B	0.32	Well Drained	15-25%	High	>80"	None	Moderate	Severe
54B	Urban Land-Udorthents Complex	-	-	-	0-7%	-	-	-	-	Not Rated
55D	Watt Channery Silt Loam	B	0.43	Somewhat Excessively Drained	15-25%	High	20-40"	None	Low	Slight
55E	Watt Channery Silt Loam	-	0.43	Somewhat Excessively Drained	25-50%	High	20-40"	None	Low	Slight

Soil type identification and interpretations were obtained from the United States Department of Agriculture's (USDA) Natural Resources Consevation Service (NRCS) National Cooperative Soil Survey (NCSS).

6/28/2024

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Erosion and Sediment Control Plan Notes and Details

EROSION AND SEDIMENT CONTROL MINIMUM STANDARDS:

1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE 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 30 DAYS.PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

2. DURING CONSTRUCTION OF THE PROJECT,SOIL STOCK PILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.

3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM,MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

4. SEDIMENT BASINS AND TRAPS,PERIMETER DIKES,SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

5. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

6. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.

   a. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.

   b. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN.THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA.THE OUTFALL SYSTEM SHALL,AT A MINIMUM,MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION.RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.

7. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION.SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

8. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL,FLUME OR SLOPE DRAIN STRUCTURE.

9. WHENEVER WATER SEEPS FROM A SLOPE FACE,ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.

10. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

11. BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL,ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.

12. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED,PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT,CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS.EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.

13. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD,A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.

14. ALL APPLICABLE FEDERAL,STATE AND LOCAL REQUIREMENTS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.

15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.

16. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

   a. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.

   b. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.

   c. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE,OR BOTH,AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.

   d. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.

   e. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THIS CHAPTER.

   f. APPLICABLE SAFETY REQUIREMENTS SHALL BE COMPLIED WITH.

17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE.WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE,THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA.STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.

18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 14 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED,UNLESS OTHERWISE AUTHORIZED BY THE VESCP AUTHORITY.TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION,EROSION AND DAMAGE DUE TO INCREASES IN VOLUME,VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA. STREAM RESTORATION AND RELOCATION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CONCEPTS ARE NOT MAN-MADE CHANNELS AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS:

   a. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL,PIPE OR STORM SEWER SYSTEM.FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.

   b. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:

      (1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS 100 TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION;

      (2) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS.

      ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A 10-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND

      PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A 10-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.

   c. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE,THE APPLICANT SHALL:

      (1) IMPROVE THE CHANNELS TO A CONDITION WHERE A 10-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL,THE BED,OR THE BANKS;

      (2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE 10-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES;

      (3) DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A 10-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR

      (4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE VESCP AUTHORITY TO PREVENT DOWNSTREAM EROSION.

   d. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.

   e. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT CONDITION OF THE SUBJECT PROJECT.

   f. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION,HE SHALL OBTAIN APPROVAL FROM THE VESCP OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES.THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.

   g. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL,AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.

   h. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.

   i. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET,ADEQUATE CHANNEL,PIPE OR PIPE SYSTEM,OR TO A DETENTION FACILITY.

   j. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA,INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL,COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS.INSTEAD,THE DEVELOPMENT,AS A WHOLE,SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT.HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS.

   k. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL,CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS,STREAMS AND OTHER WATERS OF THE STATE.

   l. ANY PLAN APPROVED PRIOR TO JULY 1,2014,THAT PROVIDES FOR STORMWATER MANAGEMENT THAT ADDRESSES ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS SHALL SATISFY THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS IF THE PRACTICES ARE DESIGNED TO (I) DETAIN THE WATER QUALITY VOLUME AND TO RELEASE IT OVER 48 HOURS;(II) DETAIN AND RELEASE OVER A 24-HOUR PERIOD THE EXPECTED RAINFALL RESULTING FROM THE ONE YEAR,24-HOUR STORM; AND (III) REDUCE THE ALLOWABLE PEAK FLOW RATE RESULTING FROM THE 1.5, 2, AND 10-YEAR, 24-HOUR STORMS TO A LEVEL THAT IS LESS THAN OR EQUAL TO THE PEAK FLOW RATE FROM THE SITE ASSUMING IT WAS IN A GOOD FORESTED CONDITION.ACHIEVED THROUGH MULTIPLICATION OF THE FORESTED PEAK FLOW RATE BY A REDUCTION FACTOR THAT IS EQUAL TO THE RUNOFF VOLUME FROM THE SITE WHEN IT WAS IN A GOOD FORESTED CONDITION DIVIDED BY THE RUNOFF VOLUME FROM THE SITE IN ITS PROPOSED CONDITION,AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS AS DEFINED IN ANY REGULATIONS PROMULGATED PURSUANT TO § 62.1-44.15:54 OR 62.1-44.15:65 OF THE ACT.

   m. FOR PLANS APPROVED ON AND AFTER JULY 1,2014,THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF § 62.1-44.15:52 A OF THE ACT AND THIS SUBSECTION SHALL BE SATISFIED BY COMPLIANCE WITH WATER QUANTITY REQUIREMENTS IN THE STORMWATER MANAGEMENT ACT (§ 62.1-44.15:24 ET SEQ.OF THE CODE OF VIRGINIA) AND ATTENDANT REGULATIONS,UNLESS SUCH LAND-DISTURBING ACTIVITIES (I) ARE IN ACCORDANCE WITH PROVISIONS FOR TIME LIMITS ON APPLICABILITY OF APPROVED DESIGN CRITERIA IN 9VAC25-870-47 OR GRANDFATHERING IN 9VAC25-870-48 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) REGULATION,IN WHICH CASE THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF § 62.1-44.15:52 A OF THE ACT SHALL APPLY,OR (II) ARE EXEMPT PURSUANT TO § 62.1-44.15:34 C 7 OF THE ACT.

   n. COMPLIANCE WITH THE WATER QUANTITY MINIMUM STANDARDS SET OUT IN 9VAC25-870-66 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) REGULATION SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF THIS SUBDIVISION 19.

   o. TEMPORARY STONE CONSTRUCTION ENTRANCE:
   A STABILIZED STONE PAD WITH A FILTER FABRIC UNDERLINER LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.(PER VDOT STANDARD EC-11 AND STD & SPEC 3.02 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK)

   p. SAFETY FENCE TO BE INSTALLED AROUND ALL SEDIMENT BASINS AND WHERE DEEMED NECESSARY (STD & SPEC. 3.01 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK).

6/28/2024

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	1P(1)

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

FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1P(2)

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

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Erosion and Sediment Control Plan
VESCH Narrative and Checklist

Rinker Design Associates, LLC
Manassas, Virginia
HYDRAULIC ENGINEER

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE CONSTRUCTION OF APPROXIMATELY 2,800 LINEAR FEET OF 5-FOOT WIDE SIDEWALK WITH A 4-FOOT WIDE GRASS BUFFER. THIS PROJECT WILL CONSTRUCT A MISSING SEGMENT OF PEDESTRIAN FACILITY SO PEDESTRIANS CAN CONTINUOUSLY WALK ON THE NORTH SIDE OF PRINCE WILLIAM PARKWAY FROM HONER ROAD COMMUTER LOT ENTRANCE TO 650' WEST OF SUMMERLAND DRIVE. (A SEPARATE PROJECT WILL BE RESPONSIBLE FOR THE FINAL CONNECTION TO SUMMERLAND DRIVE). OTHER IMPROVEMENTS, SUCH AS, UPGRADING CONNECTING CURB RAMPS ARE ALSO PART OF THIS PROJECT. THE PROJECT IS APPROXIMATELY 2,800 FT. THE PROJECT'S SITE AREA LIMITS IS 0.94 ACRES (SUBJECT TO SWM REQUIREMENTS PER IIM-LD-195.J3).

EXISTING SITE CONDITIONS

PRINCE WILLIAM PARKWAY IS AN EXISTING FOUR-LANE DIVIDED ROADWAY. ROAD SLOPES ARE MILD AND ADJACENT AREAS ARE MOSTLY STEEP. COMMERCIAL AREAS EXIST NEAR THIS PROJECT WITH A LARGE COMMUTER LOT ALONG THE NORTHWEST OF THE PROJECT. THE PROJECT IS WITHIN THE LIMITS OF A SINGLE WATERSHED OF THE PRINCE WILLIAM COUNTY CALLED POTOMAC RIVER-OCCOQUAN BAY HUC-12 *020700100805, VAHU6-PL50.

ADJACENT AREAS:

AREAS ADJACENT TO THE PROJECT LIMITS ARE COMMERCIAL, FORESTED AND RESIDENTIAL USES.

OFFSITE AREAS:

THERE IS NO ANTICIPATION THAT BORROW MATERIAL WILL BE NECESSARY FOR THIS PROJECT. IF DURING CONSTRUCTION THE CONTRACTOR REQUIRES OFFSITE BORROW MATERIAL, THIS EROSION CONTROL PLAN DOES NOT ADDRESS THESE AREAS AND THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING INDEPENDENT EROSION AND SEDIMENT CONTROL PLANS TO COVER OFFSITE.

SOILS:

THE SOILS ON THE SITE ARE PRIMARILY A, B AND D SOILS. SEE SHEET IP FOR COMPLETE SOILS INFORMATION PROVIDED FROM USDA SOIL SURVEY.

CRITICAL AREAS:

CRITICAL EROSION AREAS WITHIN THE PROJECT ARE LIMITED TO AREAS OF STEEP SLOPE. THE CONTRACTOR IS TO ENSURE THAT DURING CONSTRUCTION ALL SEDIMENT RUNOFF IS CAPTURED WITH CONTROLS PRIOR TO LEAVING THE SITE. THE CONTRACTOR IS TO INSPECT AFTER EVERY RAIN AND RESTORE TO PROPOSED CONDITIONS.

EROSION AND SEDIMENT CONTROL MEASURES:

UNLESS OTHERWISE DIRECTED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MOST CURRENT MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION. SILT FENCE, IMPERMEABLE DIVERSION FENCE, ROCK CHECK DAM AND INLET PROTECTION FOR EXISTING STORM DRAINAGE STRUCTURES SHALL BE PLACED PRIOR TO EARTH MOVING OPERATIONS. THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

MAINTENANCE PROGRAM:

THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (IE. SEEDED, MULCHED, OR SODDED AREAS) ON A DAILY BASIS AND AFTER EACH RAINFALL EVENT TO ENSURE THAT ALL CONTROLS ARE FUNCTIONING PROPERLY. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR. INLET PROTECTION AND SILT FENCE WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE, AND IF THE GRAVEL IS CLOGGED BY SEDIMENT, IT SHALL BE REMOVED AND CLEANED OR REPLACED. THE SITE FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. AND SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALFWAY TO THE TOP OF THE BARRIER, AND THE SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED, AND AREAS SHALL BE FERTILIZED AND RESEEDED AS NEEDED. ANY DAMAGED CONTROLS SHALL BE REPAIRED BY THE END OF THE WORK DAY, INCLUDING RESEEDING AND MULCHING IF NECESSARY AT THE INSPECTOR'S APPROVAL.

TEMPORARY AND PERMANENT STABILIZATION:

TEMPORARY AND PERMANENT STABILIZATION SHALL BE APPLIED TO ALL 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 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS LEFT DORMANT FOR MORE THAN ONE YEAR. DISTURBED AREAS WITHIN 100 FEET OF DELINEATED WETLANDS SHALL BE CONTINUOUSLY PROSECUTED UNTIL COMPLETED AND STABILIZED IMMEDIATELY UPON COMPLETION OF THE WORK IN EACH IMPACTED AREA.

STORMWATER RUNOFF CONSIDERATIONS:

WATER QUALITY WILL BE MET WITH THE PURCHASE OF ALL REQUIRED NUTRIENT CREDITS. OUTFALLS WILL MEET THE MS-19 AND VDOT REGULATIONS.

CALCULATIONS

ALL PERMANENT FACILITY CALCULATIONS, AS WELL AS OUTFALL AND RUNOFF CALCULATIONS CAN BE FOUND IN THE DRAINAGE REPORT.

PHASE I LAND DISTURBING/ CONSTRUCTION SEQUENCE:

1. FLAG LIMITS OF CLEARING
2. INSTALL TEMPORARY CONTROLS INCLUDING SILT FENCE, INLET PROTECTION AND IMPERMEABLE DIVERSION FENCE.
3. OBTAIN SITE INSPECTOR'S APPROVAL OF PERIMETER EROSION AND SEDIMENT CONTROLS.
4. AFTER INSPECTOR'S APPROVAL OF INITIAL CONTROLS, CLEAR AND GRUB REMAINDER OF THE SITE AS NECESSARY.
5. STABILIZE ALL DENUDED AREAS ACCORDING TO THE SECTION TEMPORARY AND PERMANENT STABILIZATION.

PHASE II LAND DISTURBING SEQUENCE:

1. CONSTRUCT PROPOSED STORM SEWER SYSTEM. INSTALL INLET PROTECTIONS AT ALL APPLICABLE LOCATIONS. CONSTRUCT DITCH AND LINING.
2. ROUGH GRADE THE REMAINDER OF THE SITE.
3. INSTALL ALL CURB AND GUTTER AND PLACE BASE STONE PAVEMENT.
4. FINE GRADE SITE AND INSTALL ALL PERMANENT SEEDING AND FERTILIZE ALL GRASSED AREAS.
5. REMOVE ALL EROSION CONTROL MEASURES.
6. CLEAN SITE OF ALL TRASH AND DEBRIS.
7. HAVE THE INSPECTOR INSPECT ALL AREAS TO DETERMINE IF THEY AREA ADEQUATELY STABILIZED.

STORAGE YARD/LAY DOWN YARD

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE EQUIPMENT STORAGE AREA. THIS AREA MUST STAY WITHIN THE PROJECT'S LIMITS OF CONSTRUCTION. UNLESS AN OFF-SITE AREA IS COORDINATED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INDEPENDENT E&S CONTROL PERMITS TO COVER ANY OFF-SITE IMPACTS.

EROSION AND SEDIMENT CONTROL STRUCTURES

- SAFETY FENCE (3.01):
A protective barrier installed to prevent access to an erosion control measure.

- TEMPORARY STONE CONSTRUCTION ENTRANCE (3.02):
A stabilized stone pad with a filter fabric underliner located at points of vehicular ingress and egress on a construction site. (Per VDOT Standard EC-11)

- CONSTRUCTION ROAD STABILIZATION (3.03):
The temporary stabilization of access roads, subdivision roads, parking areas, and other on-site vehicle transportation routes with stone immediately after grading. (Per VDOT Standard EC-11)

- TEMPORARY SILT FENCE (3.05):
A temporary sediment barrier consisting of a synthetic filter fabric stretched across and attached to supporting posts and entrenched. (Per VDOT Standard EC-5)

- STORM DRAIN INLET PROTECTION (3.07):
A sediment filter or an excavated impounding area around a storm drain drop inlet or curb inlet. (Per VDOT Standard EC-6 Type A and B)

- CULVERT INLET PROTECTION (3.08):
A sediment filter located at the inlet to storm sewer culverts. (Per VDOT Standard EC-6 Type C)

- TEMPORARY DIVERSION DIKE (3.09):
A temporary ridge of compacted soil constructed at the top or base of a sloping disturbed area. (Per VDOT Standard EC-9)

- DIVERSION (3.12):
A channel constructed across a slope with a supporting earthen ridge on the lower side. (Per VDOT Standard EC-12)

- IMPERMEABLE DIVERSION FENCE (C-ECM-02):
A temporary barrier of impermeable sheeting over chain-link fence located to direct water to a desired location. (Per Virginia SWM Handbook)

- TEMPORARY SEDIMENT TRAP (3.13):
A temporary ponding area formed by constructing an earthen embankment with a stone outlet. (Per VDOT Standard EC-7)

- TEMPORARY SEDIMENT BASIN (3.14):
A temporary barrier or dam with a controlled stormwater release structure formed by constructing an embankment of compacted soil across a drainway.

- STORMWATER CONVEYANCE CHANNEL (3.17):
A permanent, designed waterway, shaped, sized, and lined with appropriate vegetation or structural material used to safely convey stormwater runoff within or away from a developing area.

- OUTLET PROTECTION (3.18):
Structurally lined aprons or other acceptable energy dissipating devices placed at the outlets of pipes or paved channel sections. (Per VDOT Standard EC-1)

- ROCK CHECK DAMS (3.20):
Small temporary stone dams constructed across a swale or drainage ditch. (Per VDOT Standard EC-4)

- TEMPORARY VEHICULAR STREAM CROSSING (3.24):
A temporary structural span installed across a flowing watercourse for use by construction traffic. (Per VDOT Standard EC-14)

- TEMPORARY SEEDING (3.31):
The establishment of a temporary vegetative cover on disturbed areas by seeding with appropriate rapidly growing annual plants. Temporary seeding shall be done in accordance with Virginia Erosion and Sediment Control Handbook standard and specification 3.31.

- PERMANENT SEEDING (3.32):
All areas disturbed by construction shall be stabilized with permanent seeding immediately following finished grading. Seeding shall be done according to Virginia Erosion and Sediment Control Handbook standard and specification 3.32, PERMANENT SEEDING.

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CHECKLIST

FOR EROSION AND SEDIMENT CONTROL PLANS

✓ Minimum Standards - All applicable Minimum Standards must be addressed.

NARRATIVE

✓ Project description - Briefly describes the nature and purpose of the land-disturbing activity, and the area (acres) to be disturbed.

✓ Existing site conditions - A description of the existing topography, vegetation and drainage.

✓ Adjacent areas - A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.

✓ Off-site areas - Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.). Will any other areas be disturbed?

✓ Soils - A brief description of the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure.

✓ Critical areas - A description of areas on the site which have potentially serious erosion problems (e.g., steep slopes, channels, wet weather/ underground springs, etc.).

✓ Erosion and sediment control measures - A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should meet the specifications in Chapter 3.)

✓ Permanent stabilization - A brief description, including specifications, of how the site will be stabilized after construction is completed.

✓ Stormwater runoff considerations - Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff.

✓ Calculations - Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre- and post-development runoff.

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Checklist (continued)

SITE PLAN

✓ Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.

✓ Indicate north - The direction of north in relation to the site.

✓ Limits of clearing and grading - Areas which are to be cleared and graded.

✓ Existing contours - The existing contours of the site.

✓ Final contours - Changes to the existing contours, including final drainage patterns.

✓ Existing vegetation - The existing tree lines, grassed areas, or unique vegetation.

✓ Soils - The boundaries of different soil types.

✓ Existing drainage patterns - The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.

N/A Critical erosion areas - Areas with potentially serious erosion problems. (See Chapter 6 for criteria.)

✓ Site Development - Show all improvements such as buildings, parking lots, access roads, utility construction, etc.

✓ Location of practices - The locations of erosion and sediment controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of this handbook.

N/A Off-site areas - Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.). Show location of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?)

N/A Detail drawings - Any structural practices used that are not referenced to the E&S handbook or local handbooks should be explained and illustrated with detail drawings.

✓ Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.

6/28/2024

	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 1P(2)

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

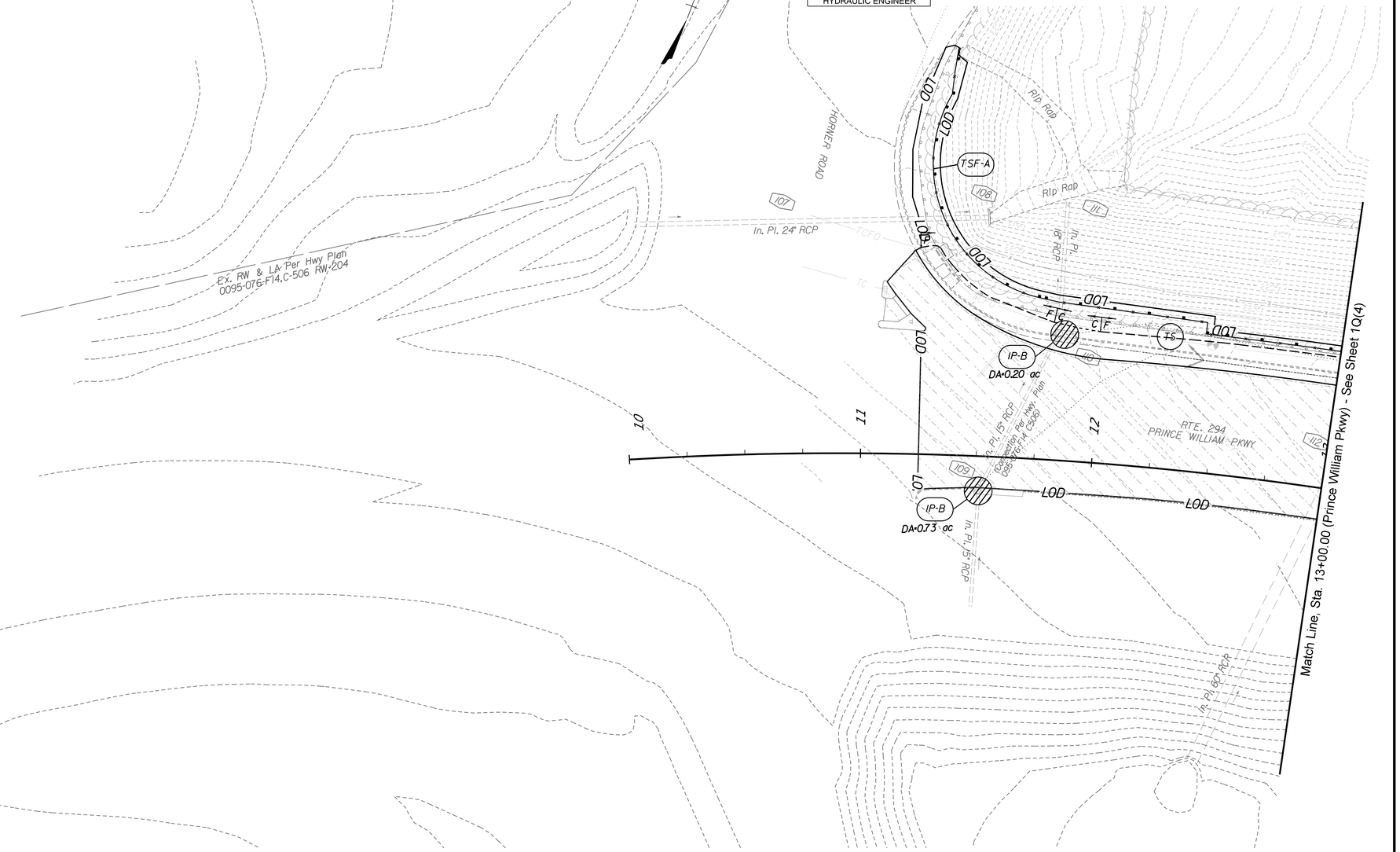
Erosion and Sediment Control Phase 1

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	1Q(3)

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

Rinker Design Associates, LLC
Manassas, Virginia
HYDRAULIC ENGINEER



E&S Legend

	Denotes Drainage Divides
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LOD	Denotes Limits of Disturbance
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	Denotes Areas of Construction that will not Expose Subgrade Includes Mill/Overlay (with no changes to geometrics), Sawcutting on Ex. Pavement. No ESC Measures are required for these areas

SCALE 0 25' 50'

VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364

SHEET NO. 1Q(3)

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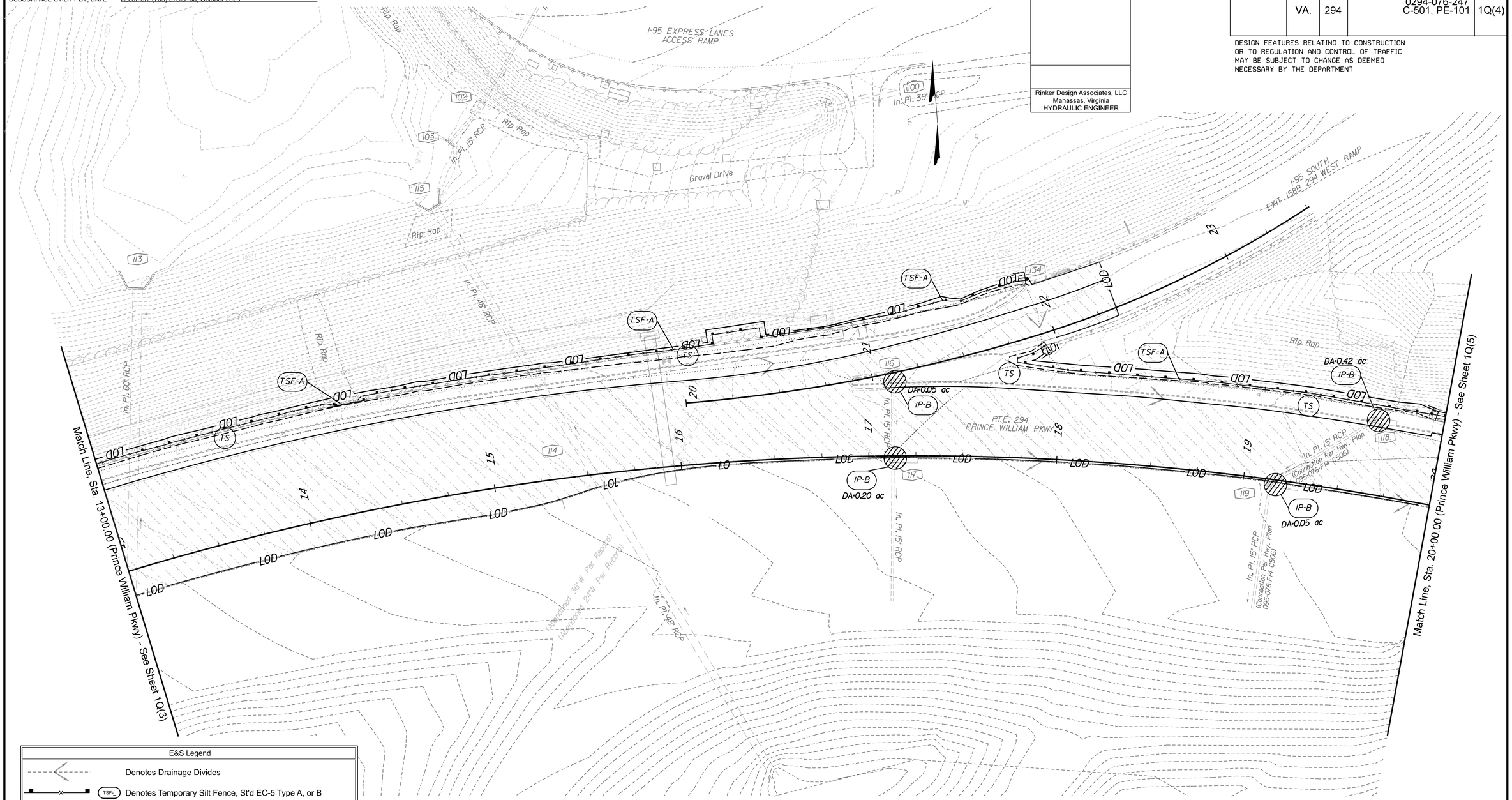

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0294-076-247	1Q(4)
PWCDOT PROJECT NO. SPR2024-00364	

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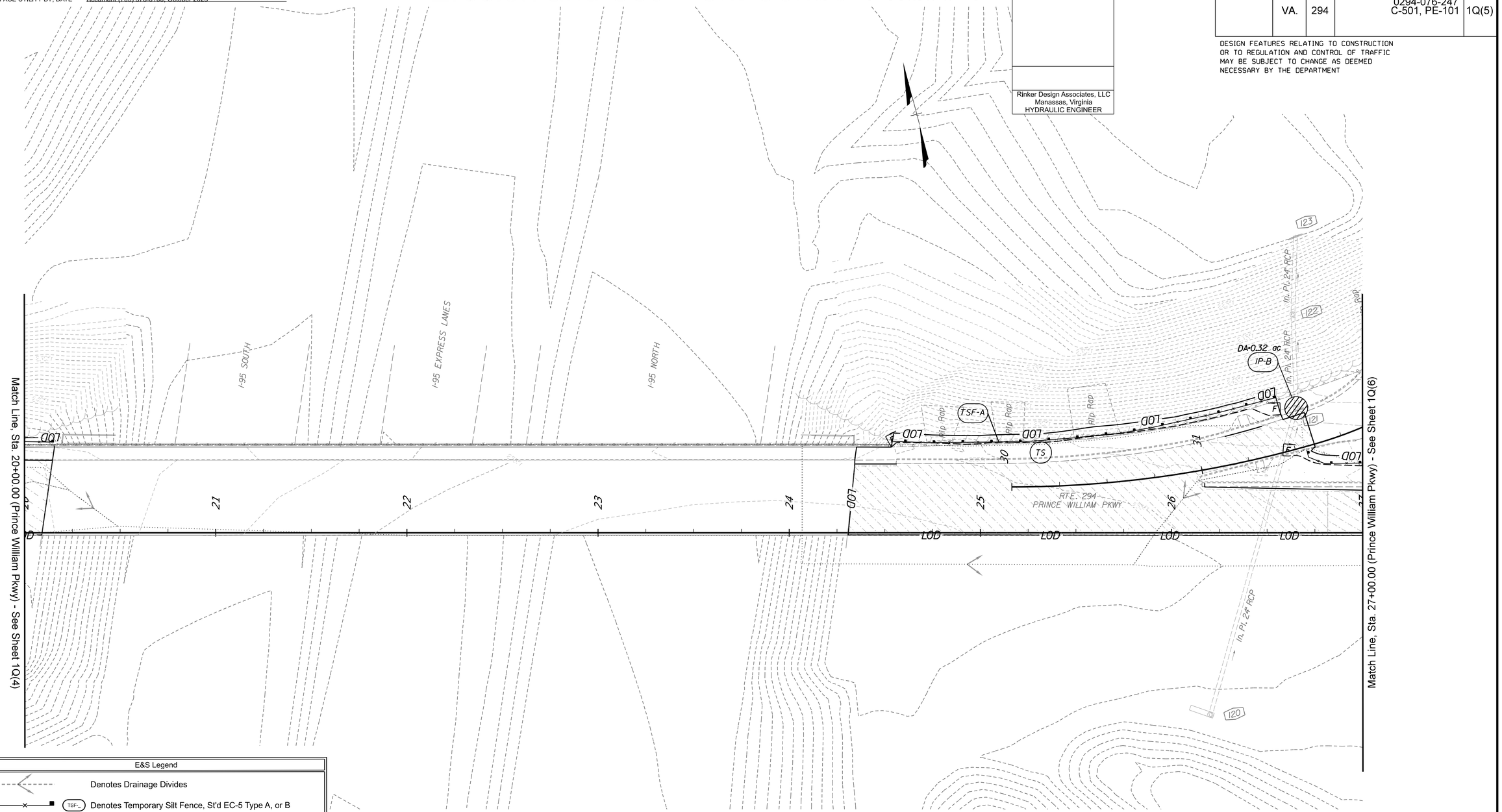

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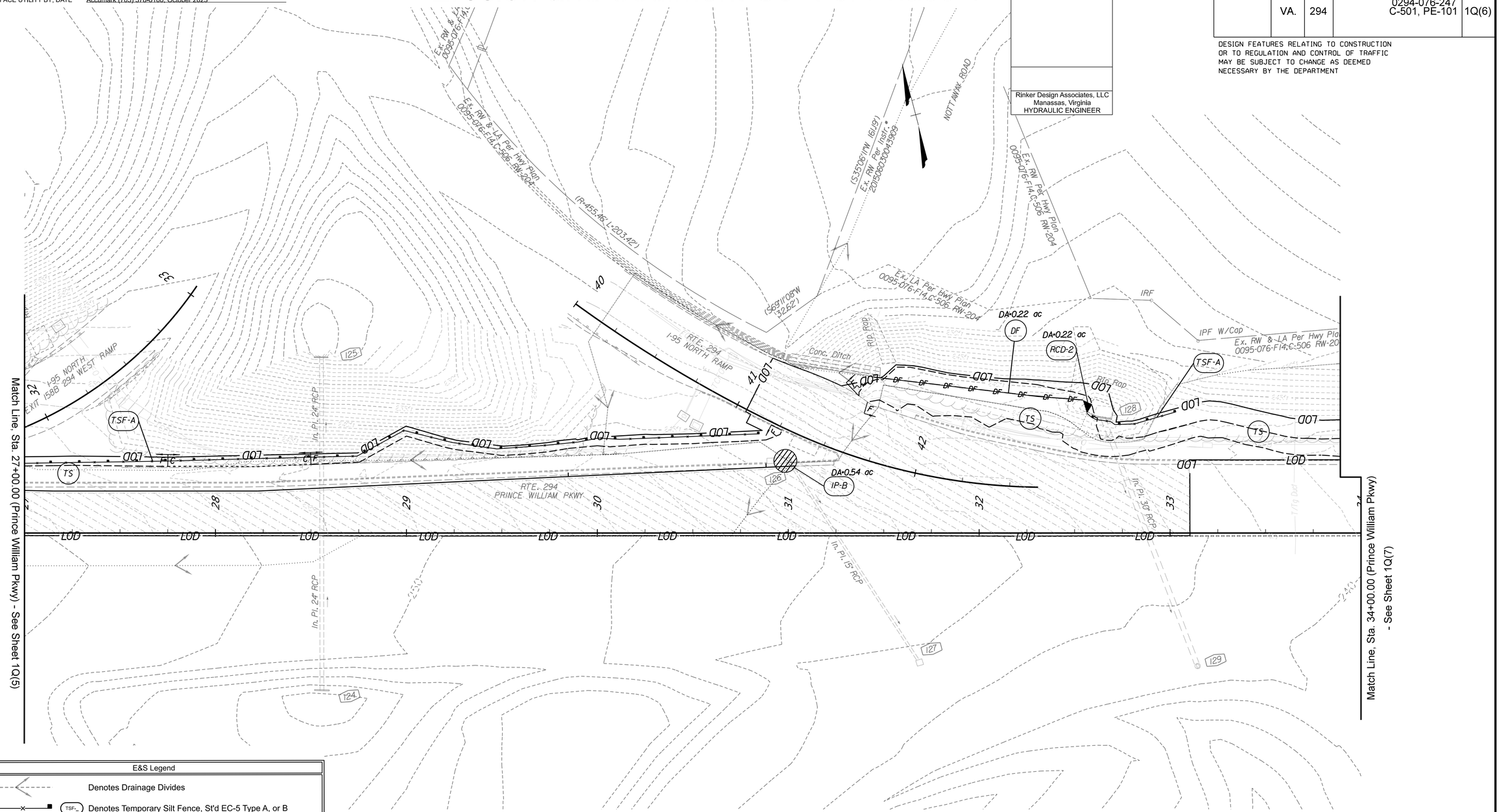

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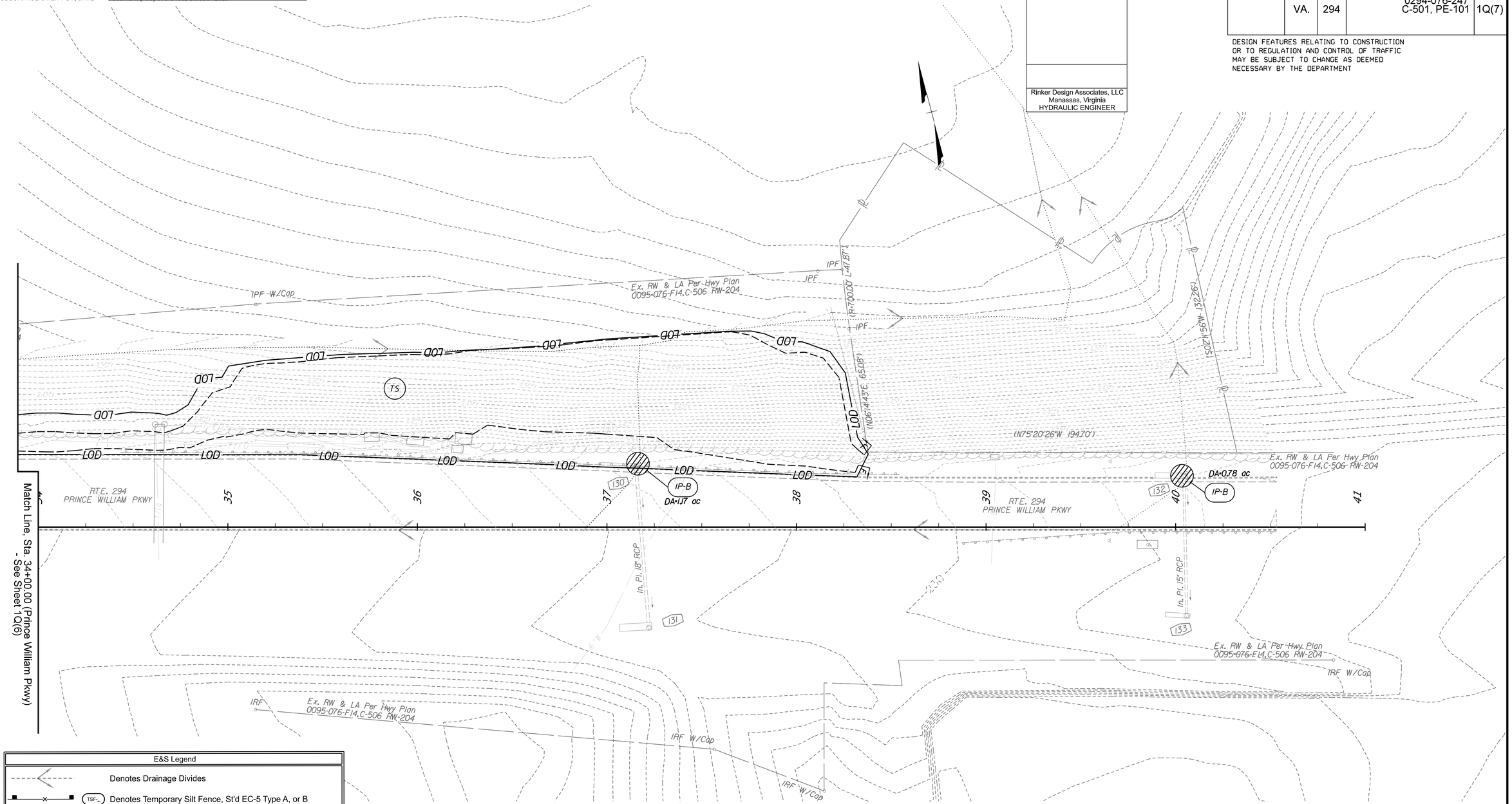
Erosion and Sediment Control Phase 1



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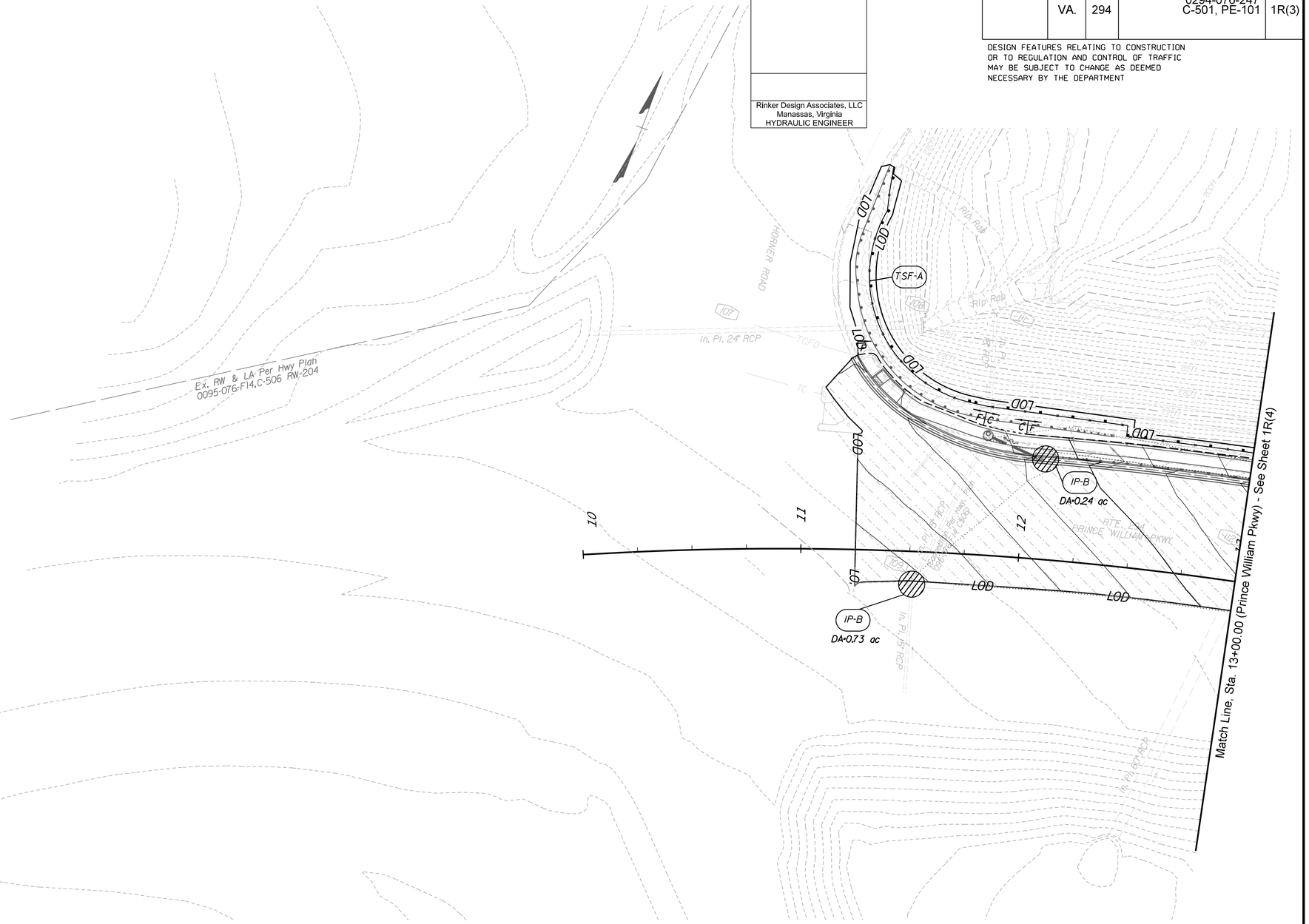

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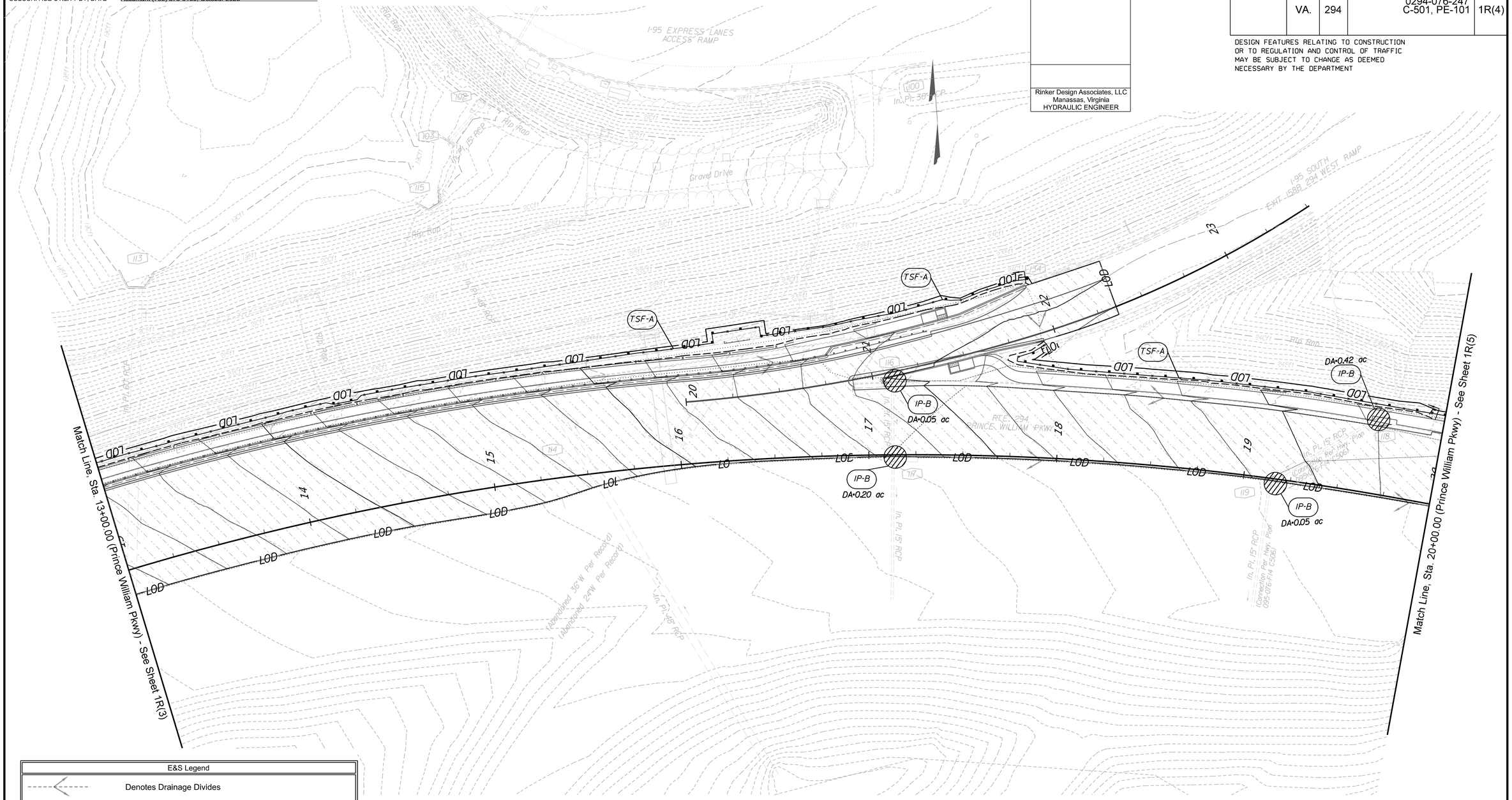

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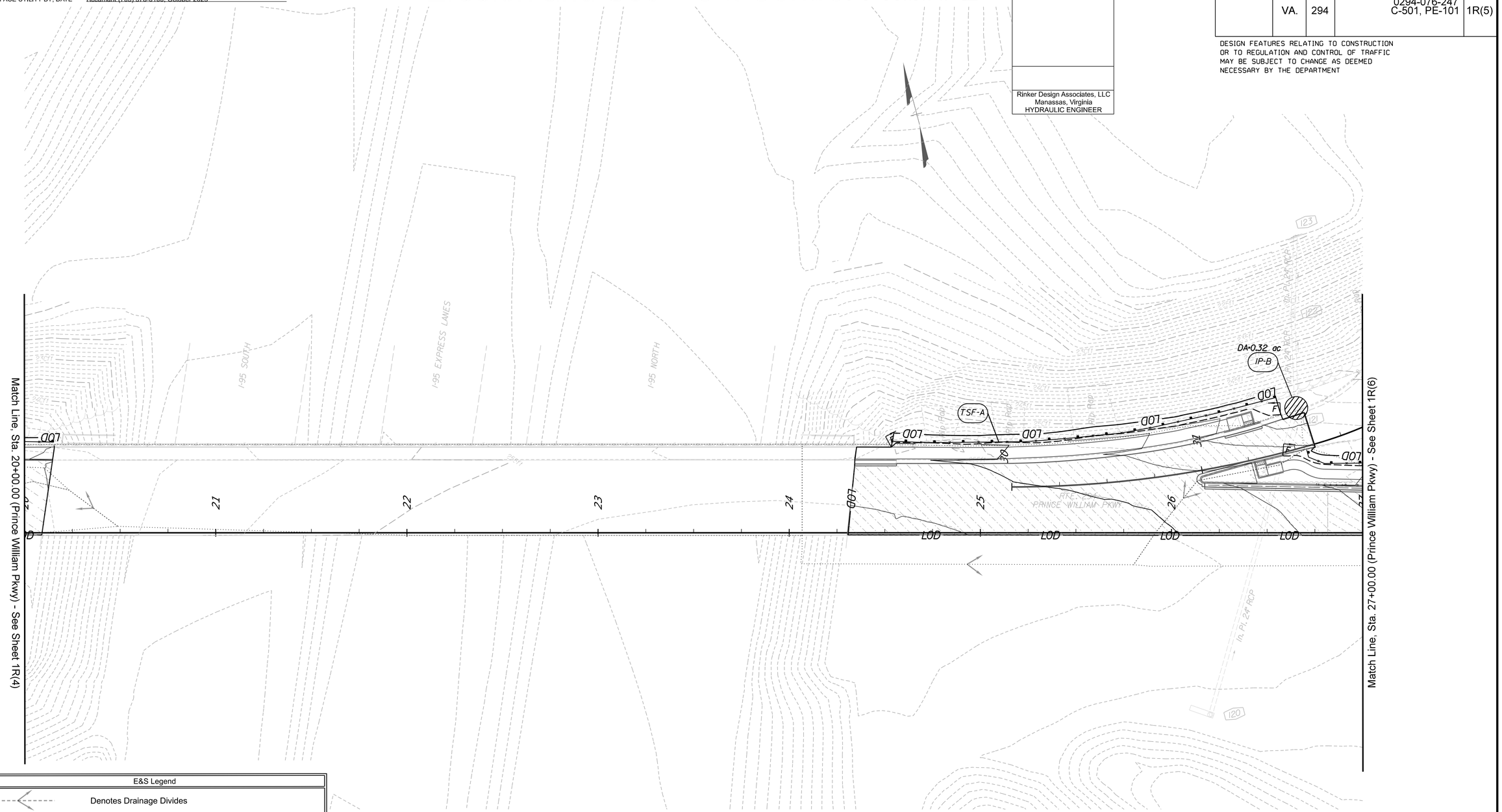

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Manassas, Virginia
HYDRAULIC ENGINEER

Match Line, Sta. 27+00.00 (Prince William Pkwy) - See Sheet 1R(5)

Match Line, Sta. 34+00.00 (Prince William Pkwy) - See Sheet 1R(7)

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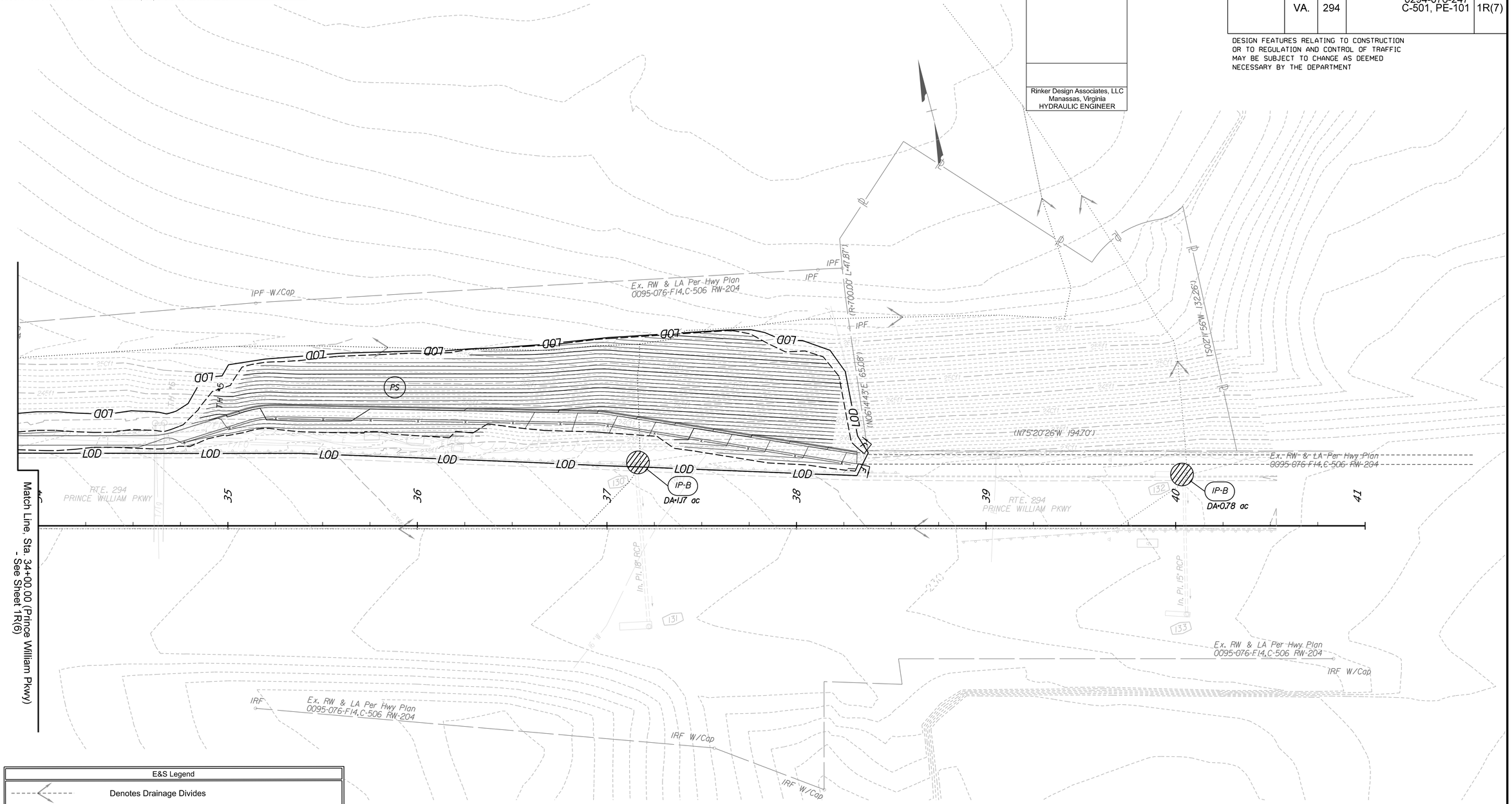

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VDOT General Notes

GRADING

G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.

G-3 Earthwork quantities on this project are based on anticipated settlement and may require adjusting during construction. Payment will be made only for quantities actually moved.

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: *metal culverts, small footings, light pole foundations, end walls, drop inlets, manholes, pipes, slabs, curbs, gutter pans, sidewalks, ditches, bases, and brick items.*

G-6 The borrow material for this project shall be a minimum CBR 5 or as approved by the Materials Engineer.

G-7 Material from regular excavation which is suitable for stabilization with hydraulic cement (lime) shall be placed in the top portion of the subgrade.

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-4 All trees located within the Clear Zone or within a minimum of 30 feet of the edge of pavement, within the limits of the right of way or construction easement, unless otherwise noted on plans or directed by the Engineer, shall be removed, as provided for a Section 301 of the applicable VDOT Road and Bridge Specifications.

I-14 Salvaged guardrail materials not used in the new construction shall become the property of the Contractor and shall be disposed of at a licensed landfill, recycled or be retained by the Contractor.

I-15 Where Guardrail Standard GR-MGS1 or GR-MGS1A is shown on the plans and in the summaries, either new guardrail or reused guardrail beam shall be used as provided elsewhere in these plans. The total quantities have been proportioned between new and reuse guardrail based on an estimate of the amount of existing beam that is reusable. The Contractor will be paid for the actual quantities of Guardrail, St'd GR-MGS1 or St'd. GR-MGS1A, or Reuse Guardrail St'd. GR-MGS1 or St'd GR-MGS1A, as determined by the Engineer. See Appendix J, Section J-2 of the Road Design Manual for the requirements of reuse, if specified in the contract.

I-16 The "underground utilities" survey data on this project has been provided by consultant and copies are available from the Department.

I-17 For method of constructing Straight-Line Taper Lanes in curb and/or curb and gutter sections, see typical details on Sheet 2A(1).

I-18 All pavement markings and traffic flow arrows shown on the roadway construction plans are schematic only. The actual location and application of pavement markings shall be in accordance with Section 704 of the applicable VDOT Road and Bridge Specifications, MUTCD, sequence of construction/ traffic control plans, pavement marking plan sheets 8 thru 8(7) and as directed by the Engineer.

I-19 The following outside sources, under contract with VDOT, have provided information on this project.

Hydraulic Design	- Rinker Design Assoc., P.C.
Roadway Design	- Rinker Design Assoc., P.C.
Utility Design	- Rinker Design Assoc., P.C. & Utility Companies (See Plans)
Utility Designation	- Accumark Inc.
Utility Location	- Accumark & Rinker Design Assoc., P.C.
Survey	- McKenzie Snyder, Inc. & Rinker Design Assoc., P.C.
Bridge Design	- Not Applicable
Traffic Design	- Rinker Design Assoc., P.C.
Geotechnical Design	- Geotechnical Solutions Inc.

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.

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 2K(1), 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-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-14 Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT Road and Bridge Standards shall be considered and paid for as Standard Drop Inlets for the type specified. Pipes with less than standard minimum finished height of cover shall be noted as such in the drainage description for the pipe. Specific pipe bedding and cover requirements are provided in the applicable PB-1 and PC-1 standard drawings of the VDOT Road and Bridge Standards.

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.

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:

EC-2, Ty. 1 / EC-2, Ty. 2 / EC-2, Ty. 3 / EC-2, Ty. 4	Denotes Rolled Erosion Control Product, Temporary, St'd. EC-2 Type 1, 2, 3 or 4
EC-3, Ty. 1 / EC-3, Ty. 2 / EC-3, Ty. 3	Denotes Rolled Erosion Control Product, Permanent, St'd. EC-3 Type 1, 2 or 3
TSF-A / TSF-B	Denotes Temporary Silt Fence, St'd EC-5 Type A or B
TCD	Denotes Temporary Check Dam, St'd EC-16
TDC	Denotes Temporary Diversion Channel, St'd EC-12
DD	Denotes Temporary Diversion Dike, St'd EC-9
TC-I	Denotes Turbidity Curtain, Type - Impervious
TC-P	Denotes Turbidity Curtain, Type - Pervious
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, Type A: St'd EC-6
IP-B	Denotes Inlet Protection, Type B: St'd EC-6
TSI	Denotes Slope Interrupter: St'd EC-15

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.

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247	2
	PWCDOT PROJECT NO.	
	SPR2024-00364	

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Typical Sections

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

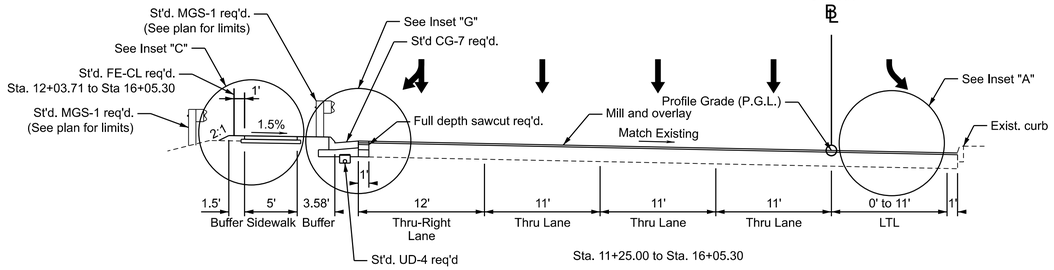
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2A

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

WB Route 294

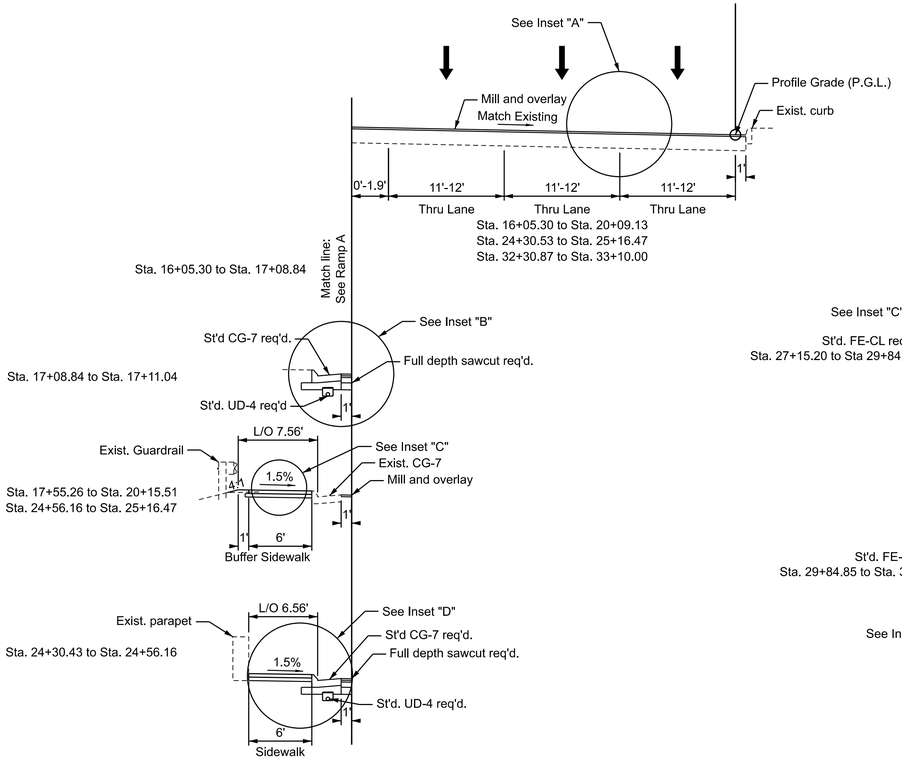
Geometric Design Standard for Urban Principal Arterial (GS-5): V=50 MPH
(Not to Scale)
Constr. ℄



Sta. 11+25.00 to Sta. 16+05.30

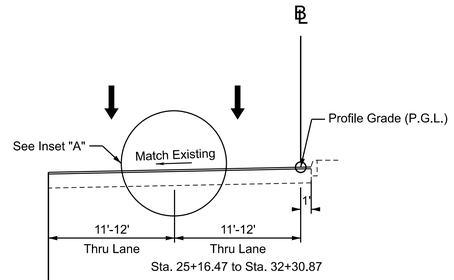
WB Route 294

Geometric Design Standard for Urban Principal Arterial (GS-5): V=50 MPH
(Not to Scale)
Constr. ℄

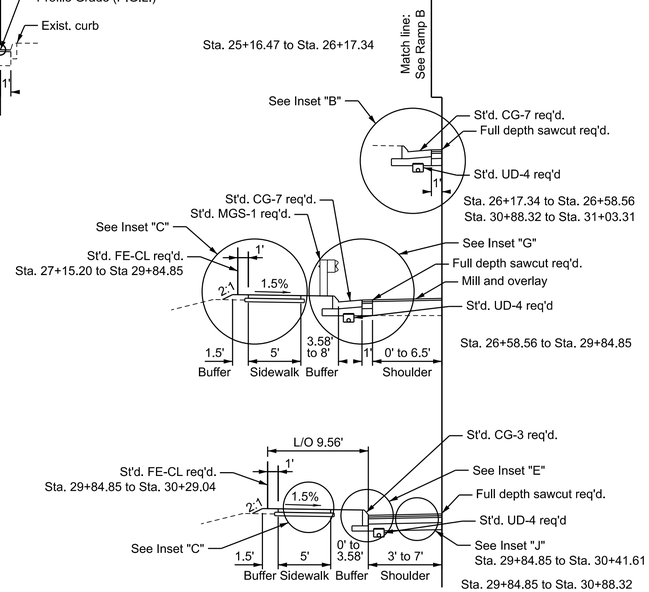


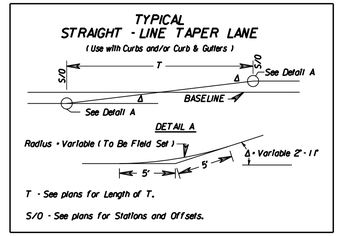
WB Route 294

Geometric Design Standard for Urban Principal Arterial (GS-5): V=50 MPH
(Not to Scale)
Constr. ℄



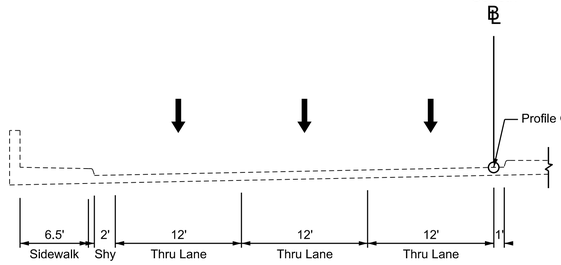
Sta. 25+16.47 to Sta. 32+30.87





WB Route 294
Existing Bridge

Geometric Design Standard for Urban Principal Arterial (GS-5): V=50 MPH
(Not to Scale)
Constr. ℄



Sta. 20+09.13 to Sta. 24+30.53

TYPICAL SECTION NOTES

1. All pavement widening shall be performed in accordance with Standard WP-2.
2. In widening sections, the existing pavement shall be saw cut full depth a minimum 1' inside the mainline pavement prior to widening.
3. The final surface course shall be placed in a continuous operation across the full pavement width after all previous layers have been completed.

N.T.S.	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2A

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Typical Sections

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

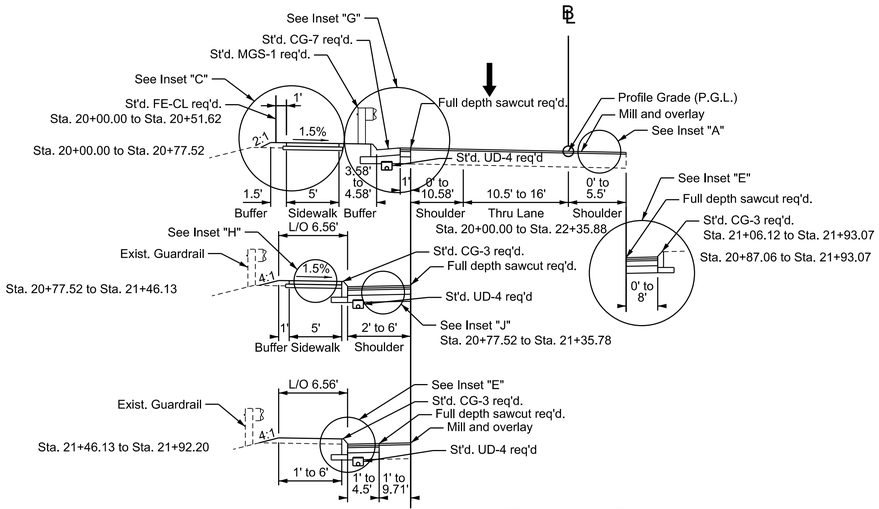
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2A(1)

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

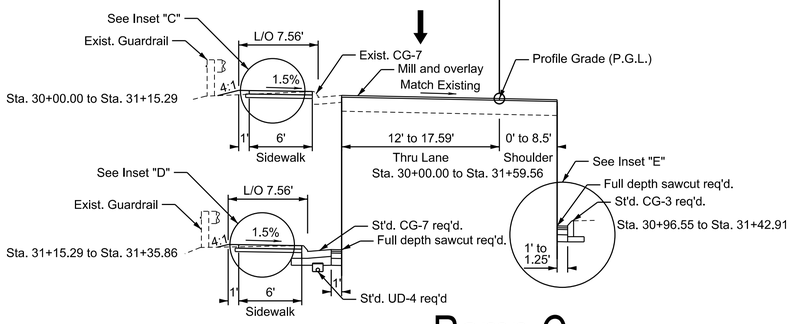
Ramp A

Geometric Design Standard for Interchange Ramps (GS-R): V=40 MPH
(Not to Scale)



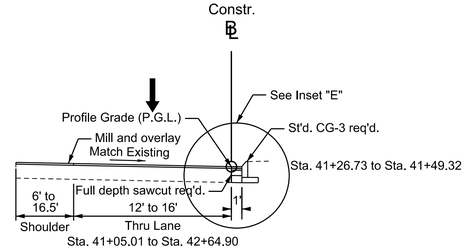
Ramp B

Geometric Design Standard for Interchange Ramps (GS-R): V=25 MPH
(Not to Scale)



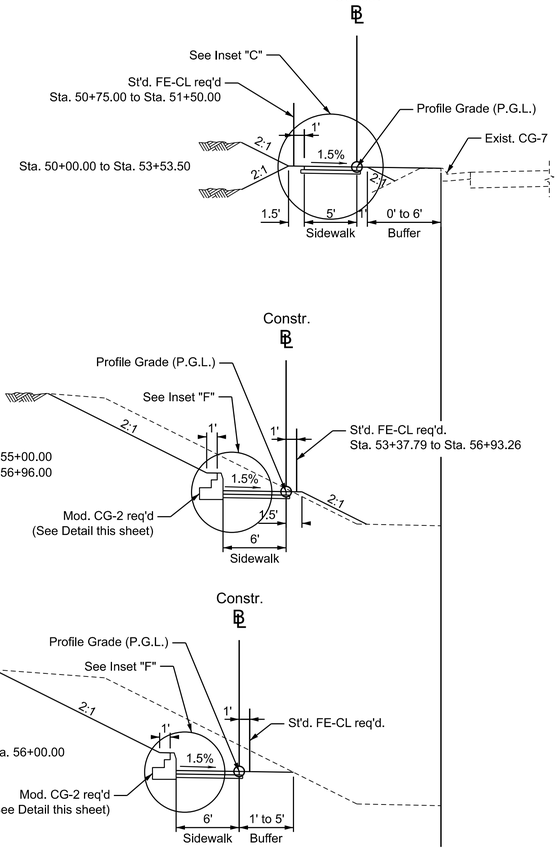
Ramp C

Geometric Design Standard for Interchange Ramps (GS-R): V=40 MPH
(Not to Scale)



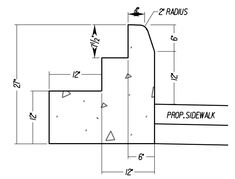
Sidewalk

Geometric Design Standard
(Not to Scale)



Mod.CG-2 Detail

(Not to Scale)



NOTES: 1. THIS ITEM MAY PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A4

TYPICAL SECTION NOTES

1. All pavement widening shall be performed in accordance with Standard WP-2.
2. In widening sections, the existing pavement shall be saw cut full depth a minimum 1' inside the mainline pavement prior to widening.
3. The final surface course shall be placed in a continuous operation across the full pavement width after all previous layers have been completed.

N.T.S.	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2A(1)

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Typical Sections

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2A(2)

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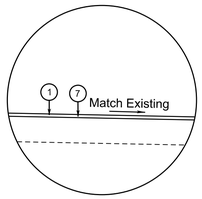
Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

Inset "A"



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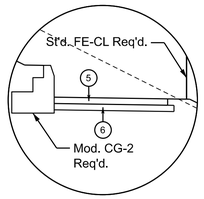

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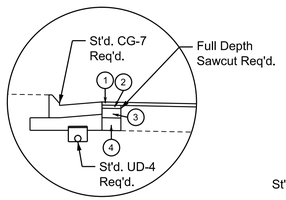

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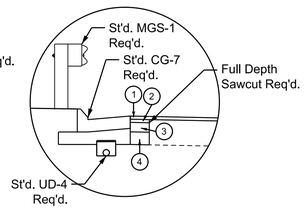

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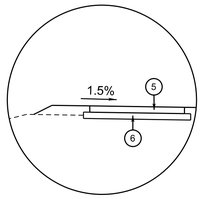

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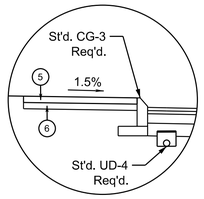

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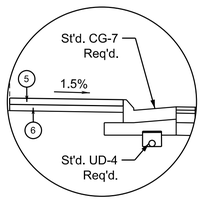

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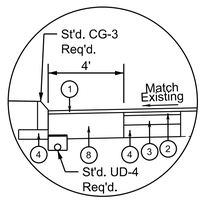

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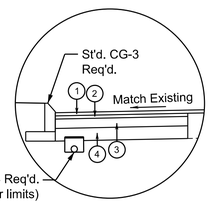

INSET DESIGN LEGEND

1. Surface Course - (2") Asph. Conc., Type SM-9.5, estimated at 165 lbs/sy
2. Intermediate Course - (2") Asph. Conc., Type IM-19.0, estimated at 220 lbs/sy
3. Base Course - (7") Asph. Conc., Type BM-25.0
4. Subbase Course - (7") Aggregate Base Material, Type I, Size No. 21B. Extended 1 foot behind the curb.
5. Sidewalk - (4") Class A4 Hydraulic Cement Concrete
6. Sidewalk Base - (4") Aggr. Base Material, Type 1, Size No. 21B. Extend 4" Beyond Edge of Surface Material
8. Subbase Course - (16") Aggregate Base Material, Type I, Size No. 21B.

TYPICAL SECTION NOTES

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N.T.S.	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2A(2)

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

CG-12 Details

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2B

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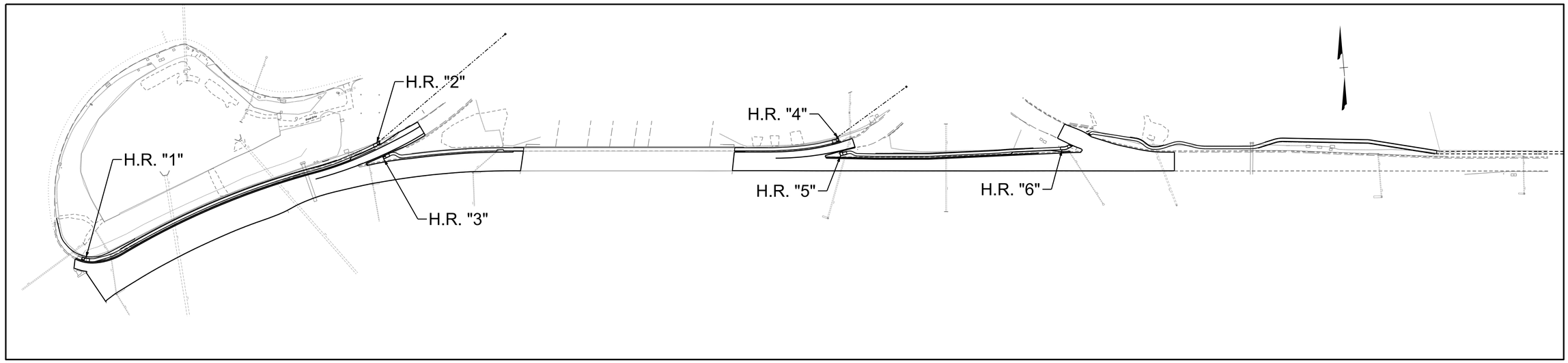
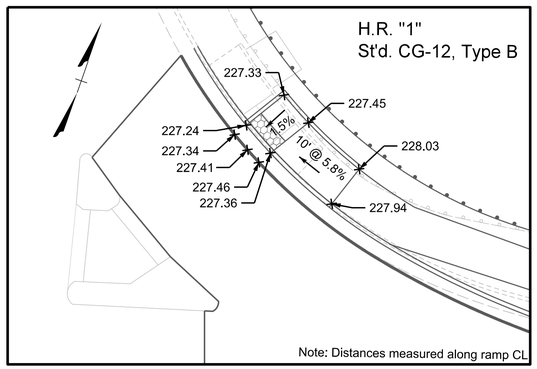
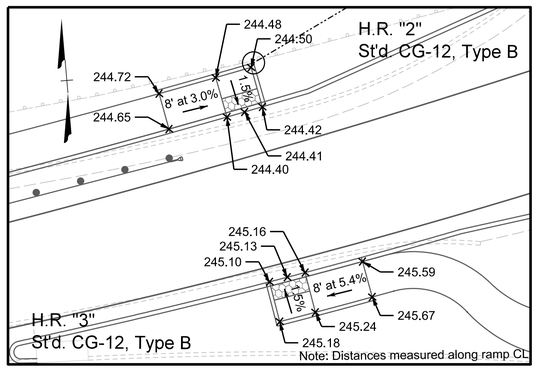
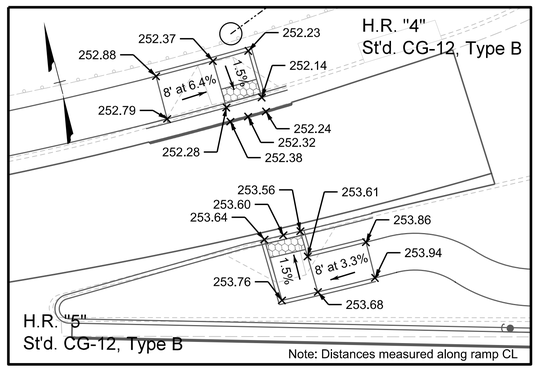
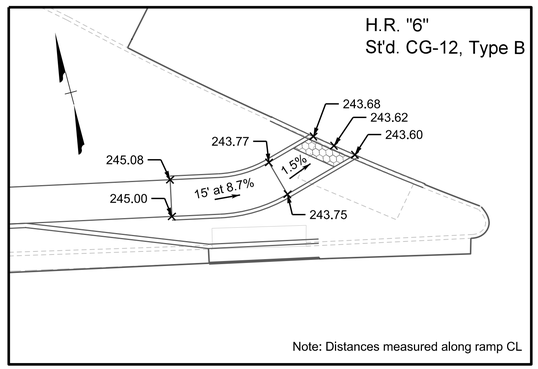
Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER











SCALE 0 10' 20'	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2B

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FINAL PLANS

6/28/2024

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER: <Gladys Arbideloa\PWC Dept of Transportation (703) 792-5276
SURVEYED BY DATE: Nicholas Kough (2023) LS (3) Rinker Design Assoc. >LLC (703) 334-9302; July 2023
DESIGN BY DATE: Robert Walsh\Sarah Pyle\Rinker Design Assoc. LLC (703) 334-9302
SUBSURFACE UTILITY BY DATE: Miss Utility (703) 978-0100; October 2023

Survey Drainage Descriptions

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2K

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

100
In Pl. 38LF- 30" RCP W/FES's
Inv. In = 211.61'
Inv. Out = 207.38'

101
In Pl. Metal Grate
Top = 206.01'
Inv. Out = 197.51' (To Str. 102)

101 to 102
In Pl. 110LF- 15" RCP
Inv. In = 197.51'
Inv. Out = 189.92'

102
In Pl. Metal Grate
Top = 193.38'
Inv. In = 189.92' (From Str. 101)
Inv. Out = 190.27' CL (To Str. 103) (Approximate - Heavily Silted)

102 to 103
In Pl. 25LF- 15" RCP
Inv. In = 190.27' (Approximate - Heavily Silted)
Inv. Out = 190.25' (Approximate - Heavily Silted)

103
In Pl. Conc Endwall
Top = 193.33'
Inv. Out = 190.25' (From Str. 102) (Approximate - Heavily Silted)

104
In Pl. Conc Headwall (Invert Inaccessible)
Top = 184.00'
Inv. In = XXX.XX' (To Str. 105)

104 to 105
In Pl. 15LF- UNK RCP (Connection Per 095-076-F14 C506)
Inv. In = XXX.XX' (Inaccessible)
Inv. Out = XXX.XX' (Inaccessible)

105
In Pl. 72" Metal Riser (Inverts Inaccessible)
Top = 200.20'
Inv. In = XXX.XX' (From Str. 104)
Inv. Out = XXX.XX' (To Str. 106)

106
In Pl. 208LF- 42" RCP (Connection Per 095-076-F14 C506)
Inv. In = XXX.XX' (From Str. 105) (Inaccessible)
Inv. Out = 178.16'

107
In Pl. 153LF- 24" RCP
Inv. In = 215.76' (To Str. 108)
Inv. Out = 213.81'

108
In Pl. Conc Endwall
Top = 216.44'
Inv. Out = 213.81' (From Pipe 107)

109
In Pl. CDI
Top = 226.15'
Inv. In = 218.95' (From SE)
Inv. Out = XXX.XX' (To Str. 110) (Inaccessible - Recessed)

SE to 109
In Pl. UNKLF- 15" RCP
Inv. In = UNK
Inv. Out = 218.95'

109 to 110
In Pl. 74LF- 15" RCP (Connection Per 095-076-F14 C506)
Inv. In = XXX.XX' (Inaccessible - Recessed)
Inv. Out = XXX.XX' (Inaccessible - Recessed)

110
In Pl. CDI
Top = 229.00'
Inv. In = XXX.XX' (From Str. 109) (Inaccessible - Recessed)
Inv. 209.90' CL (To Str. 111)

110 to 111
In Pl. 56LF- 18" RCP
Inv. In = 209.90' (CL Str. 110)
Inv. Out = 208.25'

111
In Pl. FES
Top = N/A
Inv. Out = 208.25 (From Str. 110)

112
In Pl. 284LF- 60" RCP
Inv. In = 195.09' (To Str. 113)
Inv. Out = 188.50'

113
In Pl. Conc Wingwall
Top = 194.90'
Inv. Out = 188.50' (From Pipe 112)

114
In Pl. 354LF- 48" RCP
Inv. In = 199.58' (To Str. 115)
Inv. Out = 190.93'

115
In Pl. Conc Wingwall
Top = 196.30'
Inv. Out = 190.93' (From Pipe 114)

116
In Pl. CDI
Top = 244.82'
Inv. Out = 240.52' (To Str. 117)

116 to 117
In Pl. 39LF- 15" RCP
Inv. In = 240.52'
Inv. Out = 239.12'

117
In Pl. CDI
Top = 243.62'
Inv. In = 239.12' (From Str. 116)
Inv. Out = 238.92' (To SW)

117 to SW
In Pl. UNKLF- 15" RCP
Inv. In = 238.92'
Inv. Out = UNK

118
In Pl. CDI
Top = 251.21'
Inv. Out = XXX.XX' (To Str. 119) (Inaccessible - Debris)

118 to 119
In Pl. 63LF- 15" RCP (Connection Per 095-076-F14 C506)
Inv. In = XXX.XX' (Inaccessible Debris)
Inv. Out = XXX.XX' (Inaccessible Debris)

119
In Pl. CDI
Top = 249.70'
Inv. In = XXX.XX' (From Str. 118) (Inaccessible - Debris)
Inv. Out = XXX.XX' (To SW) (Inaccessible - Debris)

119 to SW
In Pl. UNKLF- 15" RCP (Connection Per 095-076-F14 C506)
Inv. In = XXX.XX' (Inaccessible - Debris)
Inv. Out = UNK

120
In Pl. CDI
Top = 252.24'
Inv. Out = 234.89' CL (To Str. 121)

120 to 121
In Pl. 164LF- 24" RCP
Inv. In = 234.89' (CL Str. 120)
Inv. Out = 231.25' (CL Str. 121)

121
In Pl. CDI
Top = 251.90'
Inv. In = 231.25' CL (From Str. 120)
Inv. Out = 231.25' CL (To Str. 122)

121 to 122
In Pl. 46LF- 24" RCP
Inv. In = 231.25' (CL Str. 121)
Inv. Out = 228.87'

122
In Pl. MH
Top = 234.33'
Inv. In = 228.87' (From Str. 121)
Inv. Out = 213.53' (To Str. 123)

122 to 123
In Pl. 39LF- 24" RCP
Inv. In = 213.53'
Inv. Out = 210.93'

123
In Pl. Conc Endwall
Top = 214.13'
Inv. Out = 210.93' (From Str. 122)

124
In Pl. Conc Headwall
Top = 241.00'
Inv. In = 237.84' (To Str. 125)

124 to 125
In Pl. 175LF- 24" RCP
Inv. In = 237.84'
Inv. Out = 220.48'

125
In Pl. Conc Endwall
Top = 223.52'
Inv. In = 220.48' (From Str. 124)

126
In Pl. CDI
Top = 244.54'
Inv. Out = 237.94' (To Str. 127)

126 to 127
In Pl. 123LF- 15" RCP
Inv. In = 237.94'
Inv. Out = 236.64'

127
In Pl. Metal Grate
Top = 240.34'
Inv. Out = 236.64' (From Str. 126)

128
In Pl. Conc Headwall
Top = 236.77'
Inv. Out = 232.97' (To Str. 129)

128 to 129
In Pl. 138LF- 30" RCP
Inv. In = 232.97'
Inv. Out = 230.17'

129
In Pl. MH
Top = 239.17'
Inv. In = 230.17' (From Str. 128)

130
In Pl. CDI
Top = 232.00'
Inv. Out = 227.45' (To Str. 131)

130 to 131
In Pl. 81LF- 18" RCP
Inv. In = 227.45'
Inv. Out = 226.80'

131
In Pl. CDI
Top = 231.80'
Inv. In = 226.80' (From Str. 130)

132
In Pl. CDI
Top = 226.07'
Inv. Out = 221.88' (To Str. 133)

132 to 133
In Pl. 71LF- 15" RCP
Inv. In = 221.88'
Inv. Out = 220.32'

133
In Pl. CDI
Top = 225.64'
Inv. In = 220.32' (From Str. 132)

134
In Pl. CDI (Inaccessible Debris)
Top = 244.05'
Inv. Out = XXX.XX' (Outfall Not Found)

6/28/2024

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	2K

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2K(1)

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

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Drainage Descriptions and Allowable Pipe Tables

Rinker Design Associates, LLC
Manassas, Virginia
HYDRAULIC ENGINEER

Sheet 3

3-1	1-St'd DI-2B Req'd. L=8' H=6.4' Inv.=223.17 Top=229.55 Connect (1) Mod.UD-4(6") to Structure
3-1 to EX110	22' - 15" Storm Sewer Pipe Req'd.(5' Cover) Silt-Tight Joint Type Req'd. Inv(in)223.17 Inv(out)222.99
EX110	Modify Existing Drop Inlet Convert Existing DI to Manhole 1 St'd.MH-1 Frame and Cover Req'd Prop.Top=228.49 Existing Top=229.00 Modify to Accept 15" Storm Sewer Pipe 0.5" Steel Plate Req'd.at Invert
EX126	Modify Existing Drop Inlet Connect (1) Mod.UD-4(6") to Structure

NOTE:

IN ADDITION TO THE VISUAL INSPECTION PERFORMED BY THE DEPARTMENT DURING THE INITIAL INSTALLATION OF STORM SEWER PIPES AND PIPE CULVERTS, A POST INSTALLATION VISUAL/VIDEO CAMERA INSPECTION SHALL BE CONDUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION AND VTM 123 ON ALL STORM SEWER PIPE AND A SELECTED NUMBER OF PIPE CULVERTS.

ALLOWABLE TYPE OF STORM SEWER PIPE (UNLESS OTHERWISE SHOWN IN DRAINAGE DESCRIPTIONS)
(SEE ROAD AND BRIDGE STANDARD PC-1 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
Prince William Parkway	X			X		X	X	X

	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2K(1)

6/28/2024

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FINAL PLANS

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DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Storm Sewer Profiles and Underdrain Summary

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2K(2)

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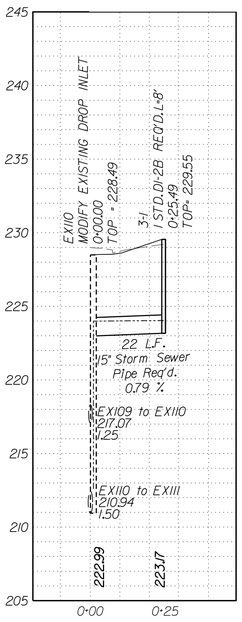
Rinker Design Associates, LLC
Manassas, Virginia
HYDRAULIC ENGINEER

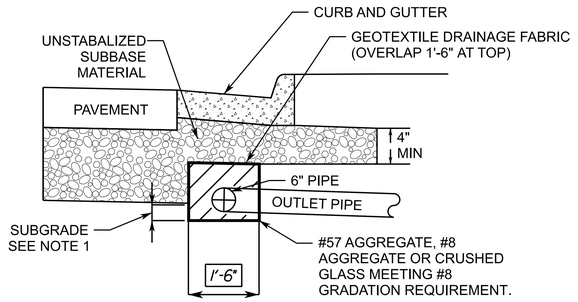
EXI10 TO 3-1



Underdrain Summary							
Baseline	Station	to	Station	Location	UD-4 (4")	Mod.UD-4 (6")	Remarks
Prince William Parkway	12+04	to	11+23	Left	99		Tie to Existing Underdrain
Prince William Parkway	21+92*	to	12+07	Left		601	Tie to 3-1
Prince William Parkway	26+17	to	31+00	Left		487	Tie to EXI126

*Ramp A Baseline

MOD. UD-4 UNDER CURB & GUTTER



-UNDERDRAIN SHALL BE CENTERED UNDER CURB AND GUTTER.
-WHEN UNDERDRAIN IS ADJACENT CG-3, UNDERDRAIN SHALL BE PLACED 1 FT FROM FACE OF CURB.

MOD. UD-4 NOTES
1. 4" MINIMUM, PROVIDED ATTAINING MINIMUM 4" OF AGGREGATE ON TOP OF PIPE.

2. WHEN THE LONGITUDINAL PIPE CONNECTS DIRECTLY INTO A DRAINAGE STRUCTURE (DROP INLET, MANHOLE, ETC.), NON PERFORATED OUTLET PIPES ARE NOT REQUIRED.

3. INVERT ELEVATION AT OUTLET END OF OUTLET PIPE TO BE A MINIMUM OF 1'-0" ABOVE INVERT ELEVATION OF RECEIVING DRAINAGE DITCH OR STRUCTURE.

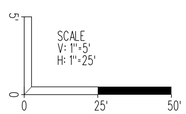
4. ALL CONNECTIONS (ELBOWS, WYED, ETC.) WITHIN PAY LIMITS FOR OUTLET PIPE ARE TO BE OF THE SAME CRUSHING STRENGTH AS THE OUTLET PIPE.

5. OUTLET PIPES ARE TO BE INSTALLED ON 2% MIN (3% DESIRABLE) GRADE AND LOCATED EVERY 700' MAXIMUM OR AS NOTED ON PLANS.

MOD. UD-4 NOTES CONTINUED
6. OUTLET PIPE TO BE SECURELY CONNECTED TO EW-12 OR OTHER DRAINAGE STRUCTURE.

7. WITHIN THE LIMITS OF A COMMERCIAL ENTRANCE. NON-PERFORATED PIPE SHALL BE UTILIZED IN LIEU OF PERFORATED PIPE.

8. THE LENGTH OFF PIPE BETWEEN THE WYE CONNECTION AND THE EW-12 SHALL BE LIMITED TO NO MORE THAN 1'-0" TO PERMIT CAMERA INSPECTION OF THE MAIN LINE IN EITHER DIRECTION.



Legend
DENOTES PROP.GRADE
DENOTES EXIST.GROUND
DENOTES HGL
DENOTES EX.STR.OR PIPE

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	2K(2)

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Ditch Typical

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2K(3)

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

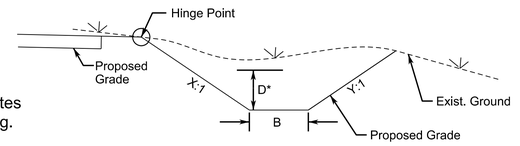
Rinker Design Associates, LLC
Manassas, Virginia
HYDRAULIC ENGINEER

Typical Ditch								
PWP, Sidewalk Stationing	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
Right								
Ditch 1	50+14	to	51+00	0.2	0.0	2.0	2.10/2.25	EC-3 Type 1 Req'd

Typical Ditch Section

Proposed Ditch

Note: Dimension "D" denotes minimum depth of ditch lining.



	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2K(3)

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FINAL PLANS

6/28/2024

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	2S

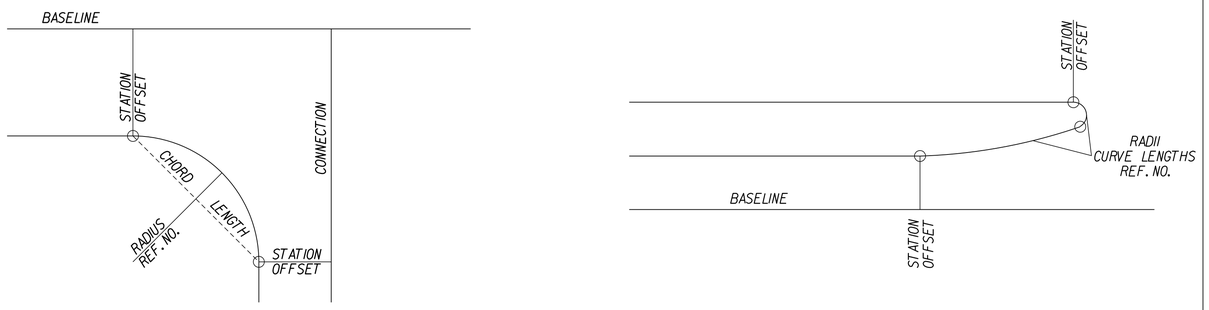
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Bullet Nose & Radial Offsets Data Summary

BULLET NOSE & RADIAL OFFSETS DATA



LOCATION (REF. NO.)	BASELINE			CONNECTION			RADIUS LENGTH	CHORD LENGTH	CURVE LENGTH
SHEET - ITEM	STATION	OFFSET	ALIGNMENT	STATION	OFFSET	ALIGNMENT	FEET	FEET	FEET
3-1	11+47.85	60.48' (LT)	Prince William Parkway	11+47.85	60.48' (LT)	Prince William Parkway	72.00'	38.75'	39.19'
3-2	10+45.05	62.85' (LT)	Prince William Parkway	12+03.71	45.00' (LT)	Prince William Parkway	125.00'	59.92'	60.51'
4-1	21+06.12	2.00' (RT)	Ramp A	17+08.84	38.25' (LT)	Prince William Parkway	1.50'	3.00'	4.42'
5-1	31+00.00	3.00' (RT)	Ramp B	26+16.98	25.96' (LT)	Prince William Parkway	1.95'	3.86'	8.83'

6/28/2024

	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 2S

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FINAL PLANS

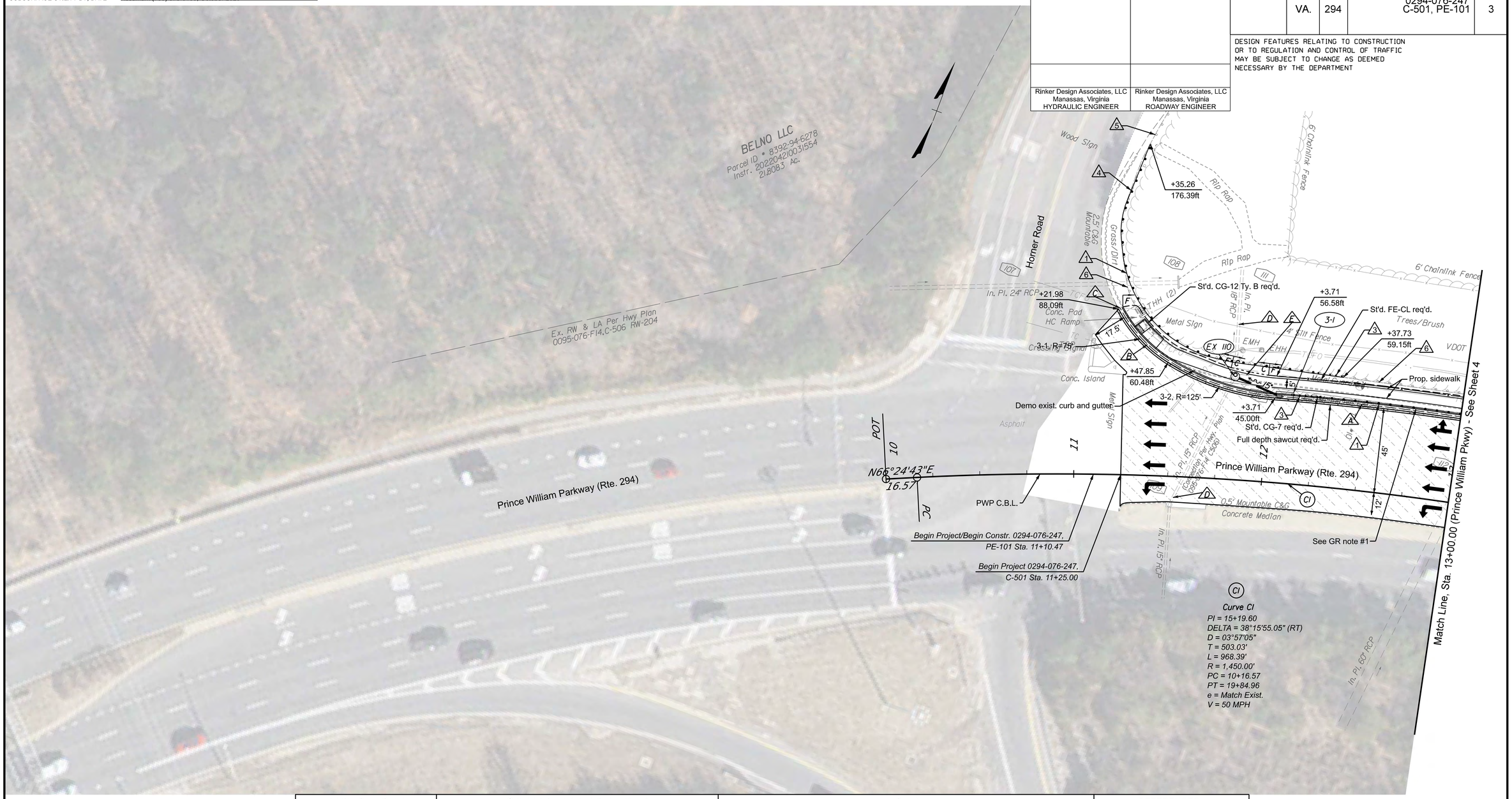
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	3

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

Rinker Design Associates, LLC Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, LLC Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023



DRAINAGE LEGEND

- A Mod. UD-4 (6") Req'd.
- B St'd. UD-4 Req'd.
- C Connect to Exist. Underdrain
- D Clean Existing Pipe
- E Modify Existing Structure

GUARDRAIL AND BARRIER LEGEND

- 1 St'd. GR-MGS1 Req'd.
- 2 St'd. GR-MGS2 Req'd.
- 3 St'd. GR-MGS3 Req'd.
- 4 St'd. GR-MGS4 Req'd.
- 5 Existing Guardrail to Remain
- 6 Remove Existing Guardrail
- 7 St'd. GR-11 Req'd.

Guardrail Notes:
1. Plastic safety caps shall be installed on all guardrail posts for all proposed guardrail runs located between the roadway and sidewalk

LEGEND

- Denotes Full Depth Pavement
- Denotes Mill and Overlay
- Denotes Demolition of Pavement
- C ---- Denotes Construction Limits in Cuts
- F __ __ Denotes Construction Limits in Fills
- DNI = Denotes "Do not impact"
- TBR = Denotes "To be removed"

NOTE: See Sheet 1H for utility owner information

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Construction Geometrics	1G Series
Typical Sections	2A Series
E&S Phase 1	1Q(3)
E&S Phase 2	1R(3)
Curb Ramp Details	2B
Drainage Descriptions	2K(1)
Storm Sewer Profiles	2K(2)
Prince William Parkway Profile	3A

NOTE: Elements on this sheet are wholly contained within Existing Right of Way and Limited Access.

SCALE 0 25' 50'

VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364

SHEET NO. 3

6/28/2024

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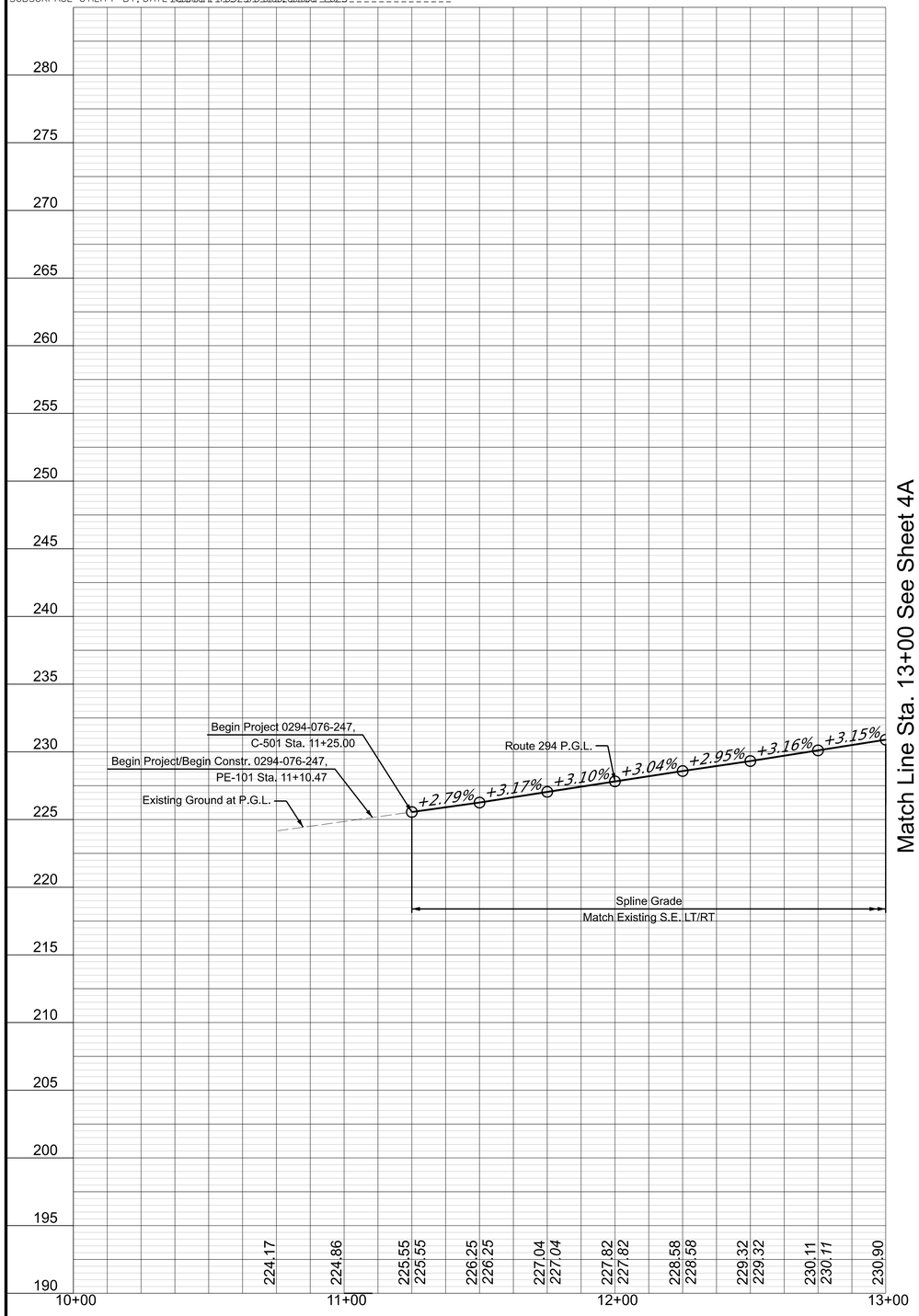
FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Acboleda, PWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Bloker Design Assoc., P.C. (703) 334-9302; July 2023
DESIGN BY Adam Weisenbach, P.E., Bloker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Prince William Pkwy. WB (Route 294) Profile



Match Line Sta. 13+00 See Sheet 4A

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	3A

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

SCALE H= 25, V= 5
0 25' 50'
0 1' 2'

6/28/2024

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	3A

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FINAL PLANS

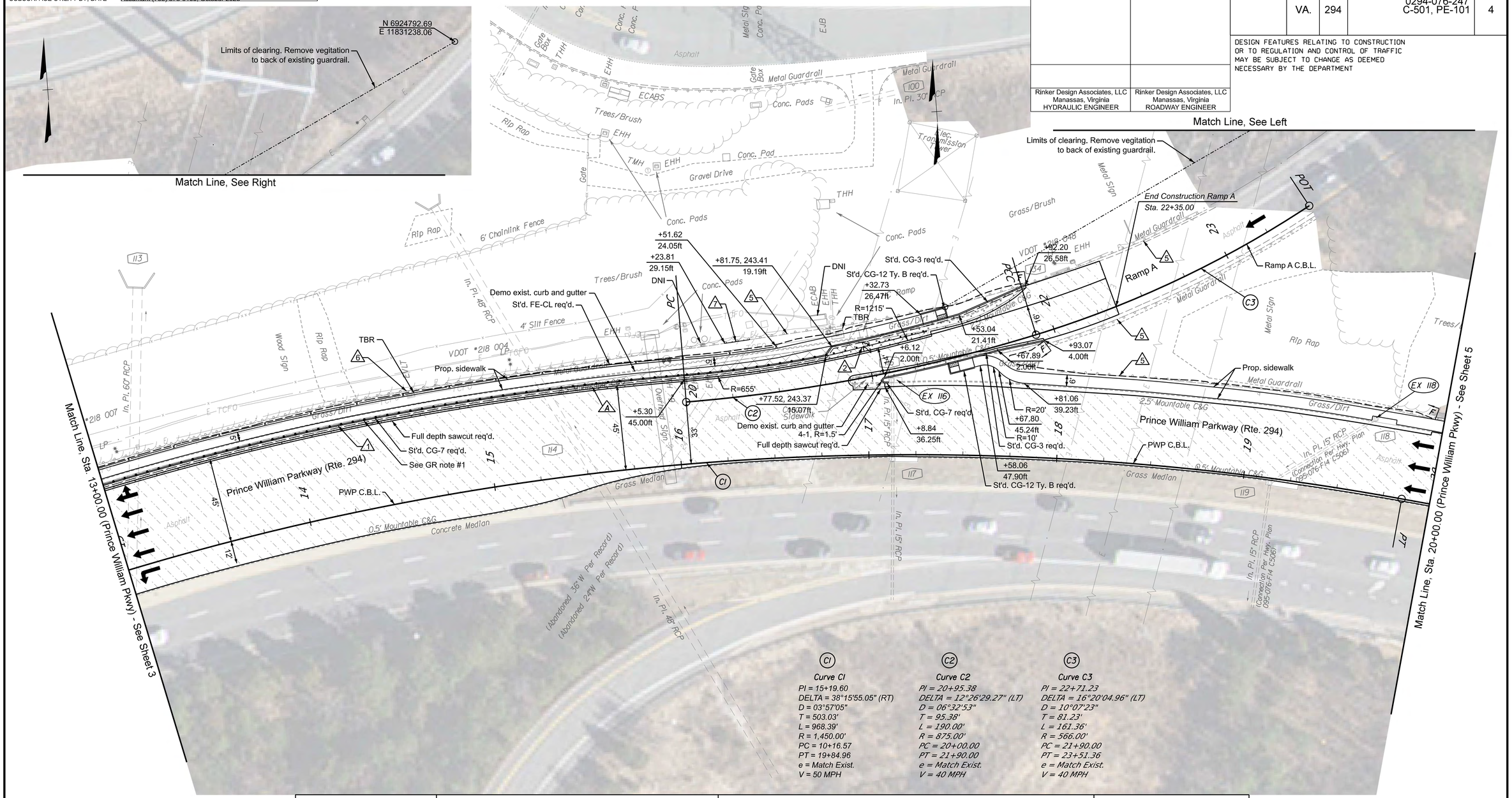
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER	Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE	Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY	Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE	Accumark (703) 378-0100; October 2023

Rinker Design Associates, LLC Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, LLC Manassas, Virginia ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	4

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



Curve C1
PI = 15+19.60
DELTA = 38°15'55.05" (RT)
D = 03°57'05"
T = 503.03'
L = 968.39'
R = 1,450.00'
PC = 10+16.57
PT = 19+84.96
e = Match Exist.
V = 50 MPH

Curve C2
PI = 20+95.38
DELTA = 12°26'29.27" (LT)
D = 06°32'53"
T = 95.38'
L = 190.00'
R = 875.00'
PC = 20+00.00
PT = 21+90.00
e = Match Exist.
V = 40 MPH

Curve C3
PI = 22+71.23
DELTA = 16°20'04.96" (LT)
D = 10°07'23"
T = 81.23'
L = 161.36'
R = 566.00'
PC = 21+90.00
PT = 23+51.36
e = Match Exist.
V = 40 MPH

DRAINAGE LEGEND

A	Mod. UD-4 (6") Req'd.
B	St'd. UD-4 Req'd.
C	Connect to Exist. Underdrain
D	Clean Existing Pipe
E	Modify Existing Structure

GUARDRAIL AND BARRIER LEGEND

1	St'd. GR-MGS1 Req'd.
2	St'd. GR-MGS2 Req'd.
3	St'd. GR-MGS3 Req'd.
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6	Remove Existing Guardrail
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- Denotes Mill and Overlay
- Denotes Demolition of Pavement
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- DNI = Denotes "Do not impact"
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Storm Sewer Profiles	2K(2)
Prince William Parkway Profile	4A
Ramp A Profile	4B

NOTE: Elements on this sheet are wholly contained within Existing Right of Way and Limited Access.

SCALE 0 25' 50'

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWDOT PROJECT NO. SPR2024-00364	4

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Acboleda, PWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Bisker Design Assoc., P.C. (703) 334-9302; July 2023
DESIGN BY Adam Weisenbach, P.E., Bisker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Prince William Pkwy. WB (Route 294) Profile

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

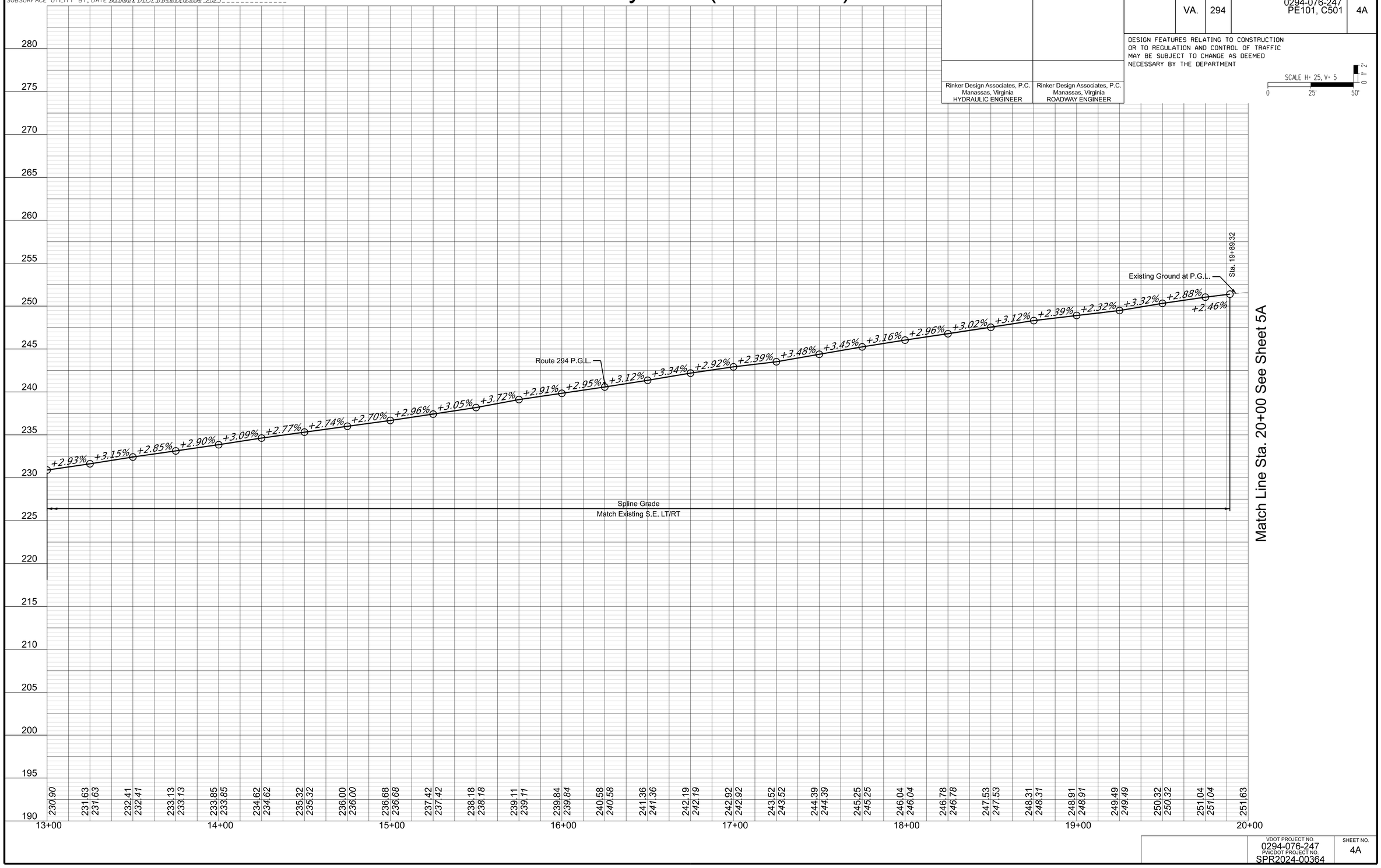
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	4A

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

SCALE H= 25, V= 5
0 1" 2"
0 25' 50'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER

Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER



VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	4A

6/28/2024

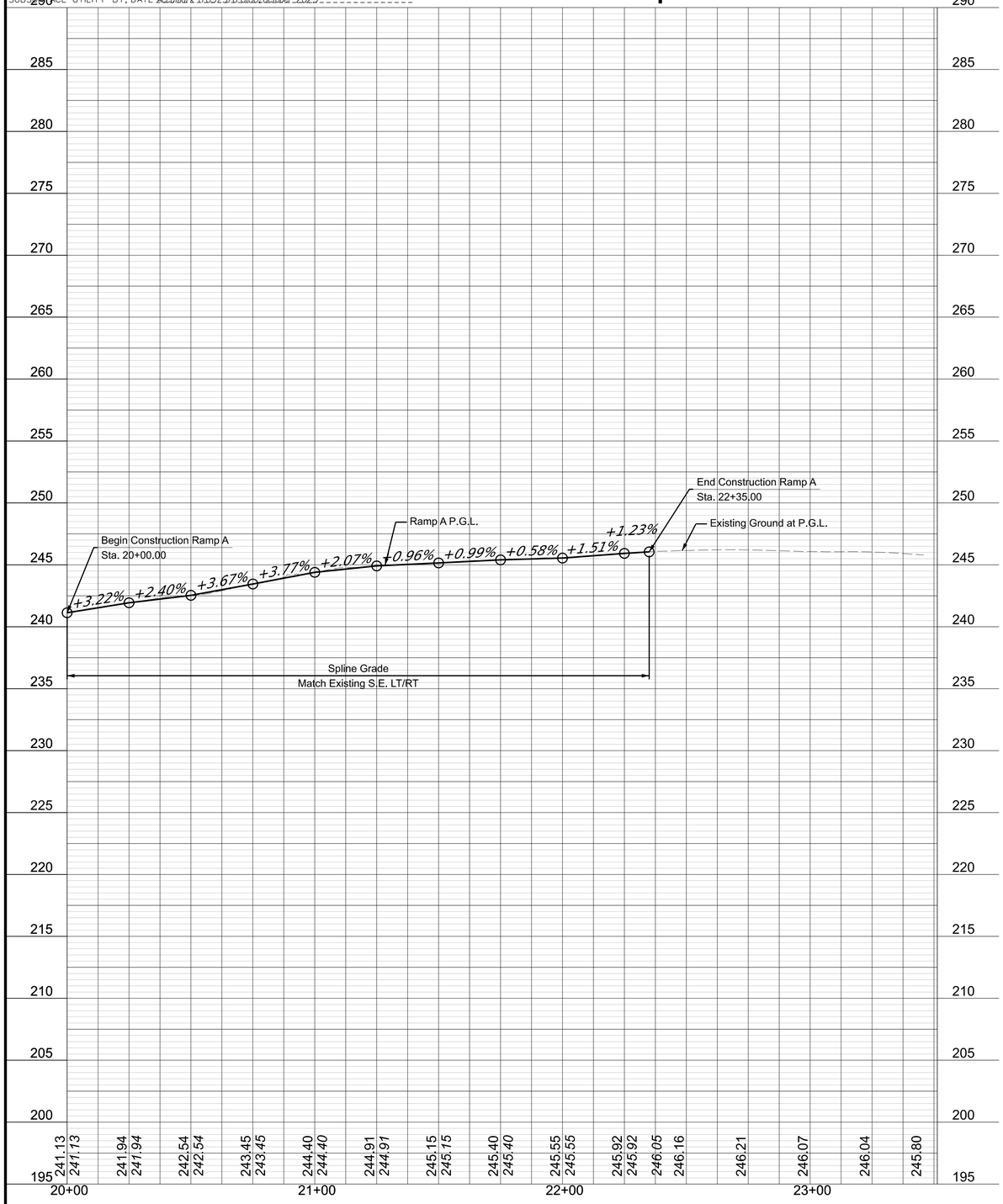
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Acboleda, EWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., P.C. (703) 334-9302; July 2023
DESIGN BY Adam Weisenbach, P.E., Rinker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Ramp A Profile



REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	4B

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

SCALE H= 25, V= 5
0 25' 50'
0 1' 2'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

6/28/2024

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	4B

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FINAL PLANS

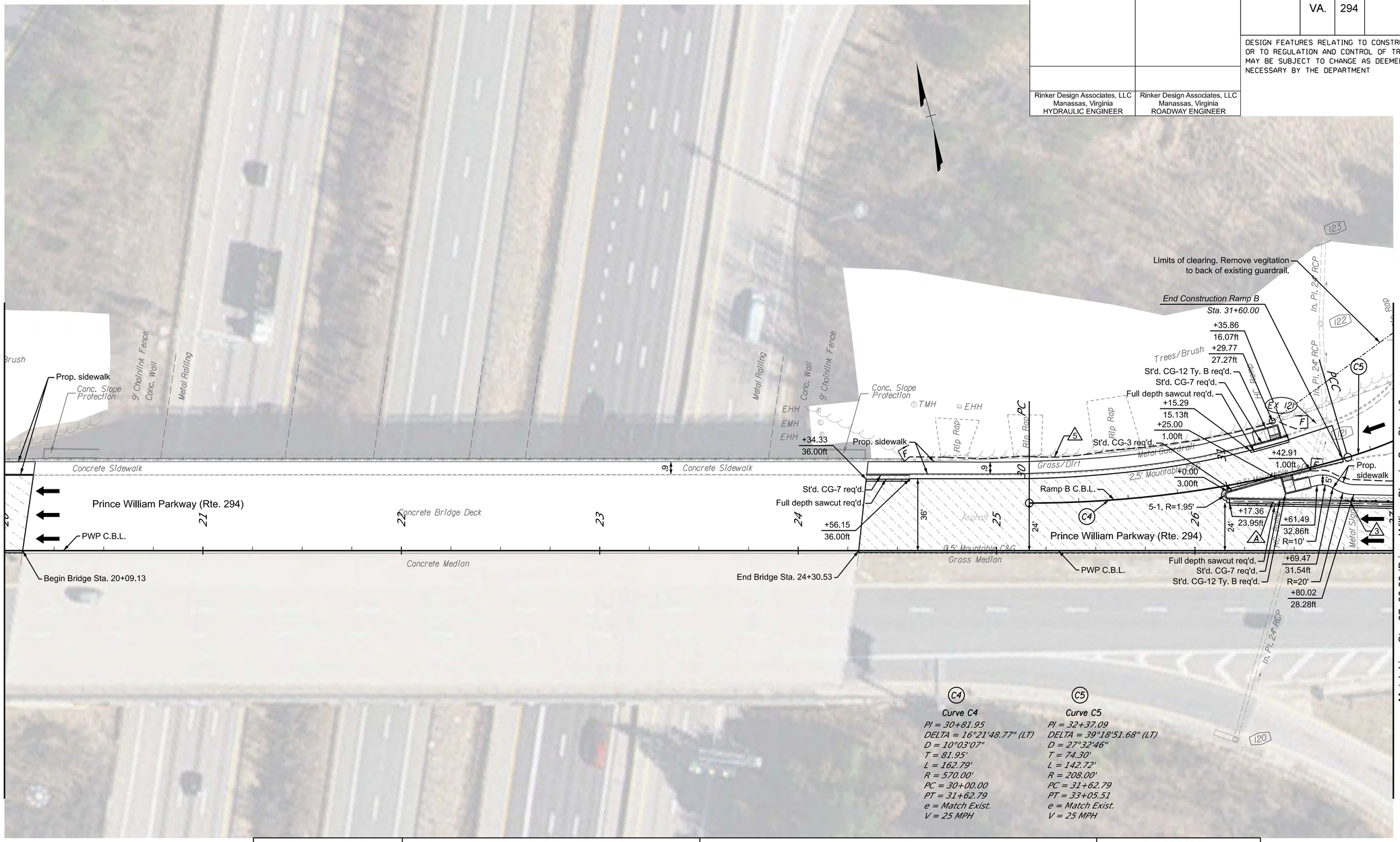
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	5

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

Rinker Design Associates, LLC Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, LLC Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023



C4 Curve C4
PI = 30+81.95
DELTA = 16°21'48.77" (LT)
D = 10°03'07"
T = 81.95'
L = 162.79'
R = 570.00'
PC = 30+00.00
PT = 31+62.79
e = Match Exist.
V = 25 MPH

C5 Curve C5
PI = 32+37.09
DELTA = 39°18'51.68" (LT)
D = 27°32'46"
T = 74.30'
L = 142.72'
R = 208.00'
PC = 31+62.79
PT = 33+05.51
e = Match Exist.
V = 25 MPH

DRAINAGE LEGEND

- A Mod. UD-4 (6") Req'd.
- B St'd. UD-4 Req'd.
- C Connect to Exist. Underdrain
- D Clean Existing Pipe
- E Modify Existing Structure

GUARDRAIL AND BARRIER LEGEND

- 1 St'd. GR-MGS1 Req'd.
- 2 St'd. GR-MGS2 Req'd.
- 3 St'd. GR-MGS3 Req'd.
- 4 St'd. GR-MGS4 Req'd.
- 5 Existing Guardrail to Remain
- 6 Remove Existing Guardrail
- 7 St'd. GR-11 Req'd.

Guardrail Notes:
1. Plastic safety caps shall be installed on all guardrail posts for all proposed guardrail runs located between the roadway and sidewalk

LEGEND

- Denotes Full Depth Pavement
- Denotes Mill and Overlay
- Denotes Demolition of Pavement
- C Denotes Construction Limits in Cuts
- F Denotes Construction Limits in Fills
- DNI = Denotes "Do not impact"
- TBR = Denotes "To be removed"

NOTE: See Sheet 1H for utility owner information

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Construction Geometrics	1G Series
Typical Sections	2A Series
E&S Phase 1	1Q(5)
E&S Phase 2	1R(5)
Curb Ramp Details	2B
Drainage Descriptions	2K(1)
Storm Sewer Profiles	2K(2)
Prince William Parkway Profile	5A
Ramp B Profile	5B

NOTE: Elements on this sheet are wholly contained within Existing Right of Way and Limited Access.

SCALE 0 25' 50'

VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364

SHEET NO. 5

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Acboleda, PWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Bloker Design Assoc., P.C. (703) 334-9302, July 2023
DESIGN BY Adam Weisenbach, P.E., Bloker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100, October 2023

Prince William Pkwy. WB (Route 294) Profile

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

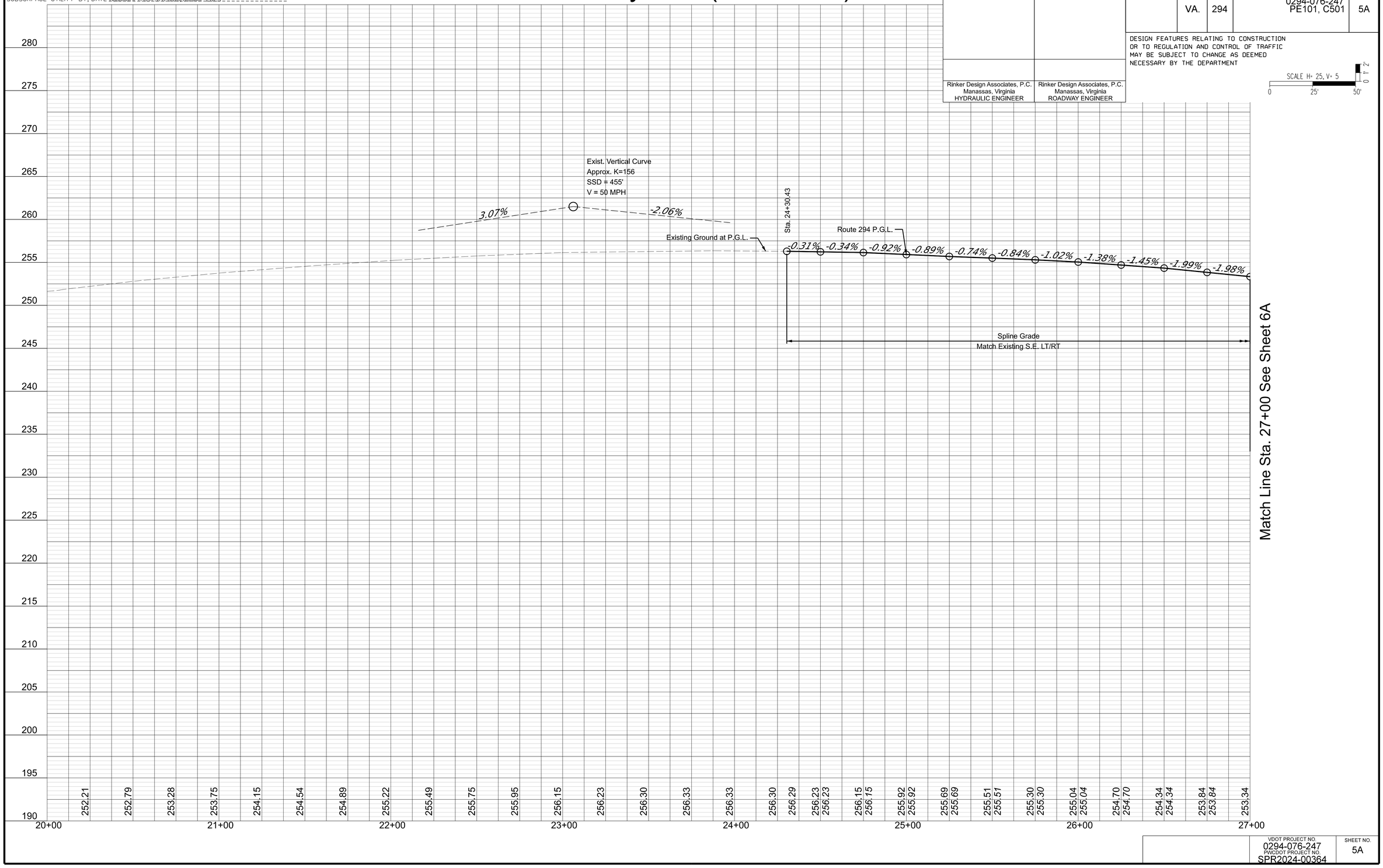
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	5A

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

SCALE H= 25, V= 5
0 1" 2"
0 25' 50'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER

Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER



	VDOT PROJECT NO.	SHEET NO.
	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	5A

6/28/2024

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

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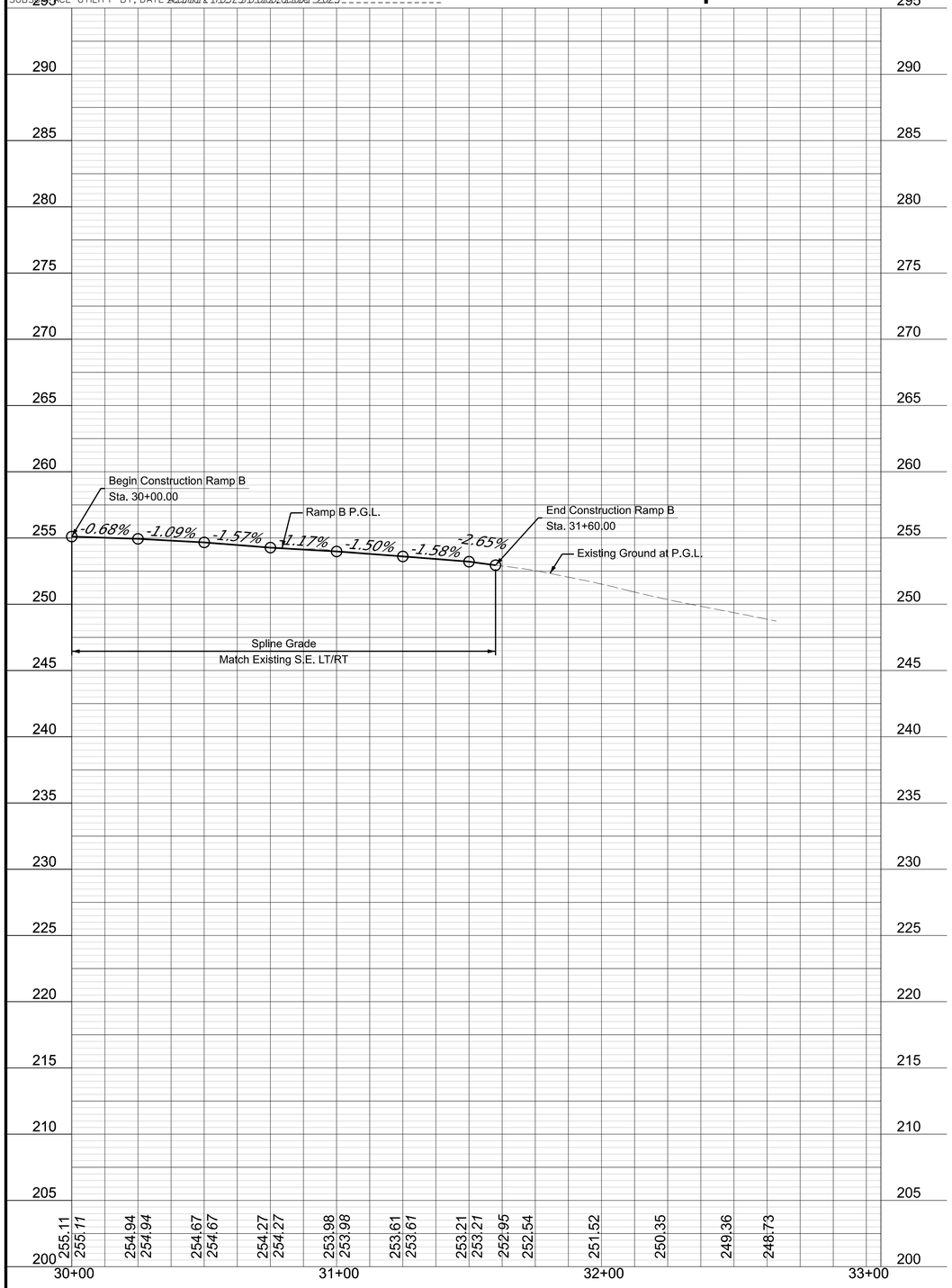
DESIGN BY Adam Weisenbach, P.E., Bloker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Ramp B Profile



REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	5B

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

SCALE H= 25, V= 5
0 1" 2"
0 25' 50'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

6/28/2024

VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 5B

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FINAL PLANS

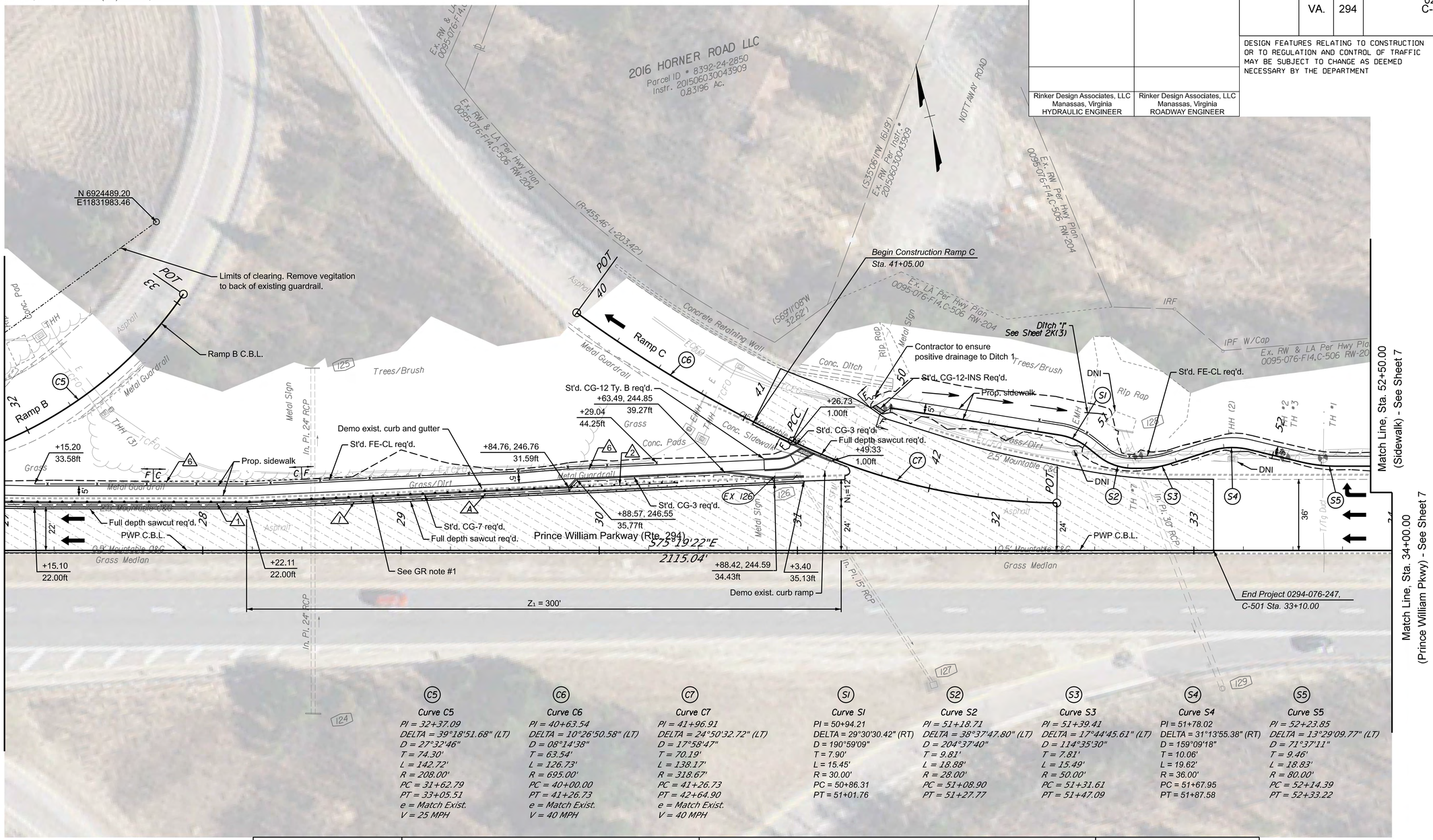
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	6

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

Rinker Design Associates, LLC Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, LLC Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023



Curve C5
PI = 32+37.09
DELTA = 39°18'51.68" (LT)
D = 27°32'46"
T = 74.30'
L = 142.72'
R = 208.00'
PC = 31+62.79
PT = 33+05.51
e = Match Exist.
V = 25 MPH

Curve C6
PI = 40+63.54
DELTA = 10°26'50.58" (LT)
D = 08°14'38"
T = 63.54'
L = 126.73'
R = 695.00'
PC = 40+00.00
PT = 41+26.73
e = Match Exist.
V = 40 MPH

Curve C7
PI = 41+96.91
DELTA = 24°50'32.72" (LT)
D = 17°58'47"
T = 70.19'
L = 138.17'
R = 318.67'
PC = 41+26.73
PT = 42+64.90
e = Match Exist.
V = 40 MPH

Curve S1
PI = 50+94.21
DELTA = 29°30'30.42" (RT)
D = 190°59'09"
T = 7.90'
L = 15.45'
R = 30.00'
PC = 50+86.31
PT = 51+01.76

Curve S2
PI = 51+18.71
DELTA = 38°37'47.80" (LT)
D = 204°37'40"
T = 9.81'
L = 18.88'
R = 28.00'
PC = 51+08.90
PT = 51+27.77

Curve S3
PI = 51+39.41
DELTA = 17°44'45.61" (LT)
D = 114°35'30"
T = 7.81'
L = 15.49'
R = 50.00'
PC = 51+31.61
PT = 51+47.09

Curve S4
PI = 51+78.02
DELTA = 31°13'55.38" (RT)
D = 159°09'18"
T = 10.06'
L = 19.62'
R = 36.00'
PC = 51+67.95
PT = 51+87.58

Curve S5
PI = 52+23.85
DELTA = 13°29'09.77" (LT)
D = 71°37'11"
T = 9.46'
L = 18.83'
R = 80.00'
PC = 52+14.39
PT = 52+33.22

DRAINAGE LEGEND
- A Mod. UD-4 (6") Req'd.
- B St'd. UD-4 Req'd.
- C Connect to Exist. Underdrain
- D Clean Existing Pipe
- E Modify Existing Structure

GUARDRAIL AND BARRIER LEGEND
- 1 St'd. GR-MGS1 Req'd.
- 2 St'd. GR-MGS2 Req'd.
- 3 St'd. GR-MGS3 Req'd.
- 4 St'd. GR-MGS4 Req'd.
- 5 Existing Guardrail to Remain
- 6 Remove Existing Guardrail
- 7 St'd. GR-11 Req'd.

Guardrail Notes:
1. Plastic safety caps shall be installed on all guardrail posts for all proposed guardrail runs located between the roadway and sidewalk

LEGEND
- Denotes Full Depth Pavement
- Denotes Mill and Overlay
- Denotes Demolition of Pavement
- C Denotes Construction Limits in Cuts
- F Denotes Construction Limits in Fills
- DNI = Denotes "Do not impact"
- TBR = Denotes "To be removed"

NOTE: See Sheet 1H for utility owner information

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Construction Geometrics	1G Series
Typical Sections	2A Series
E&S Phase 1	1Q(6)
E&S Phase 2	1R(6)
Curb Ramp Details	2B
Drainage Descriptions	2K(1)
Storm Sewer Profiles	2K(2)
Prince William Parkway Profile	6A
Ramp C Profile	6B
Sidewalk Profile	6C

NOTE: Elements on this sheet are wholly contained within Existing Right of Way and Limited Access.

SCALE 0 25' 50'

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	6

6/28/2024

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Acboleda, PWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Bloker Design Assoc., P.C. (703) 334-9302; July 2023
DESIGN BY Adam Weisenbach, P.E., Bloker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Prince William Pkwy. WB (Route 294) Profile

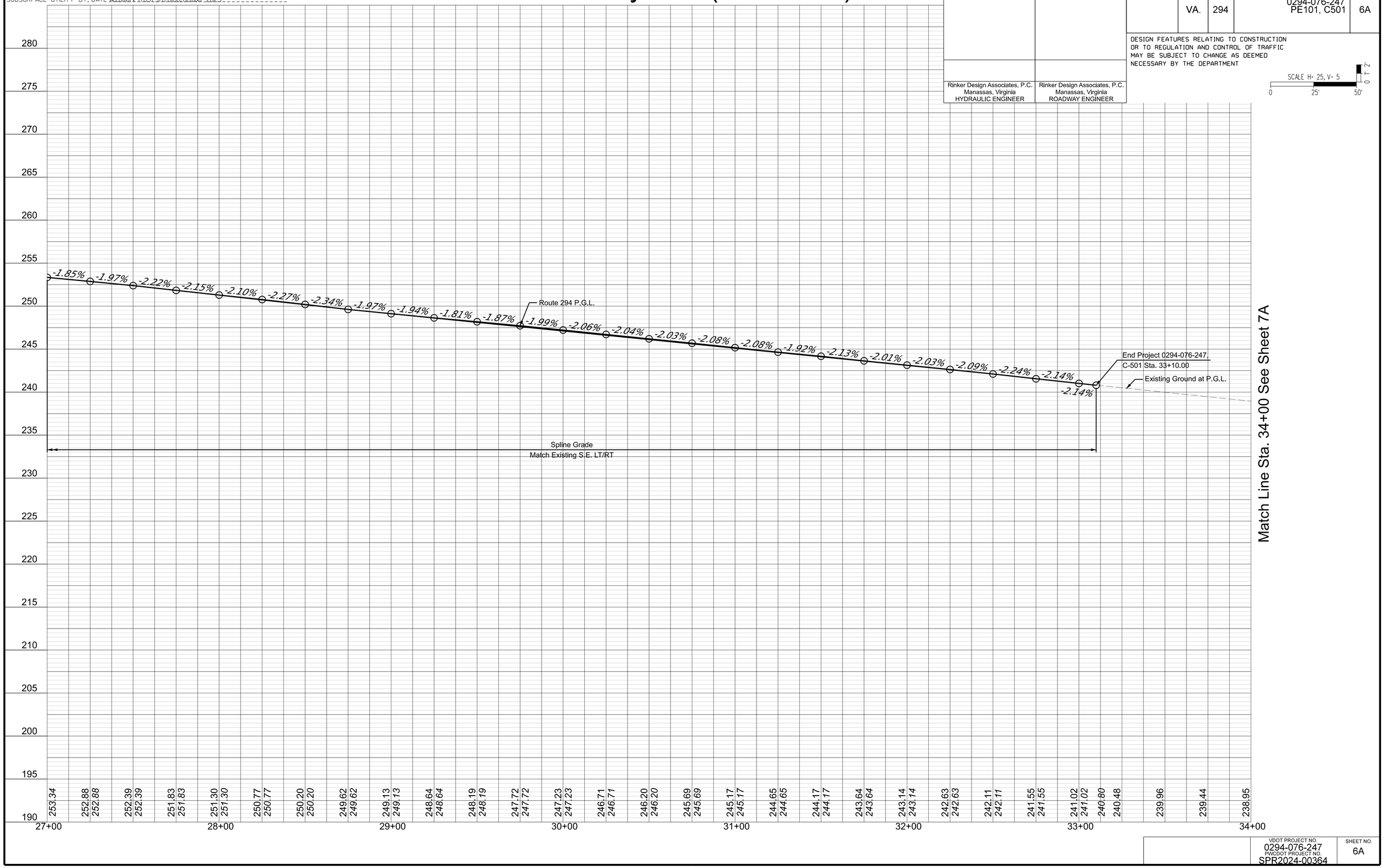
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	6A

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

SCALE H= 25, V= 5
0 1" 2"
0 25' 50'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER

Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER



	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. 6A

6/28/2024

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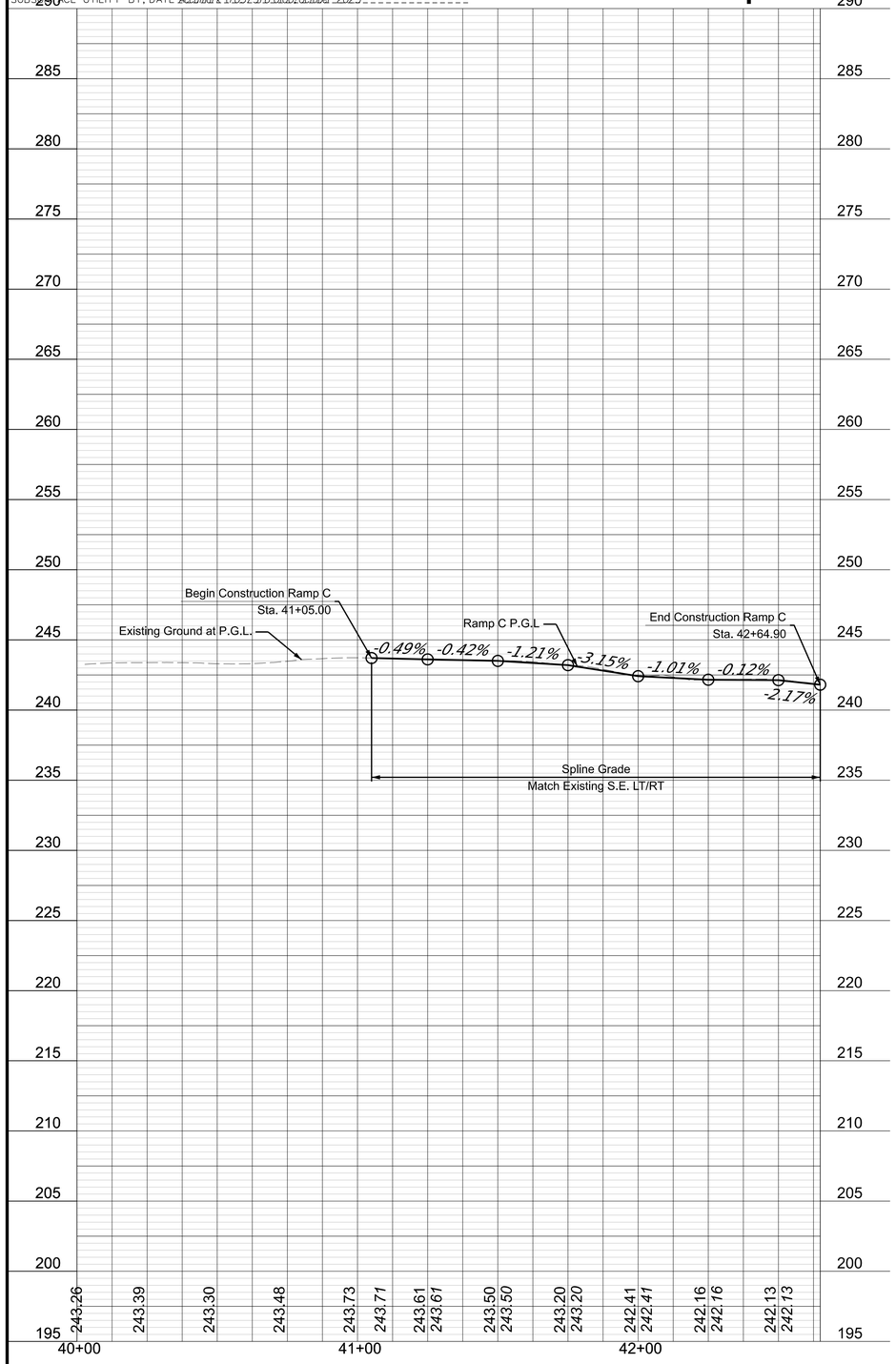
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100, October 2023

Ramp C Profile



Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	6B

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

SCALE H= 25, V= 5
0 25' 50'
0 1' 2'

6/28/2024

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	6B

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	6C

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

SCALE H= 25, V= 5

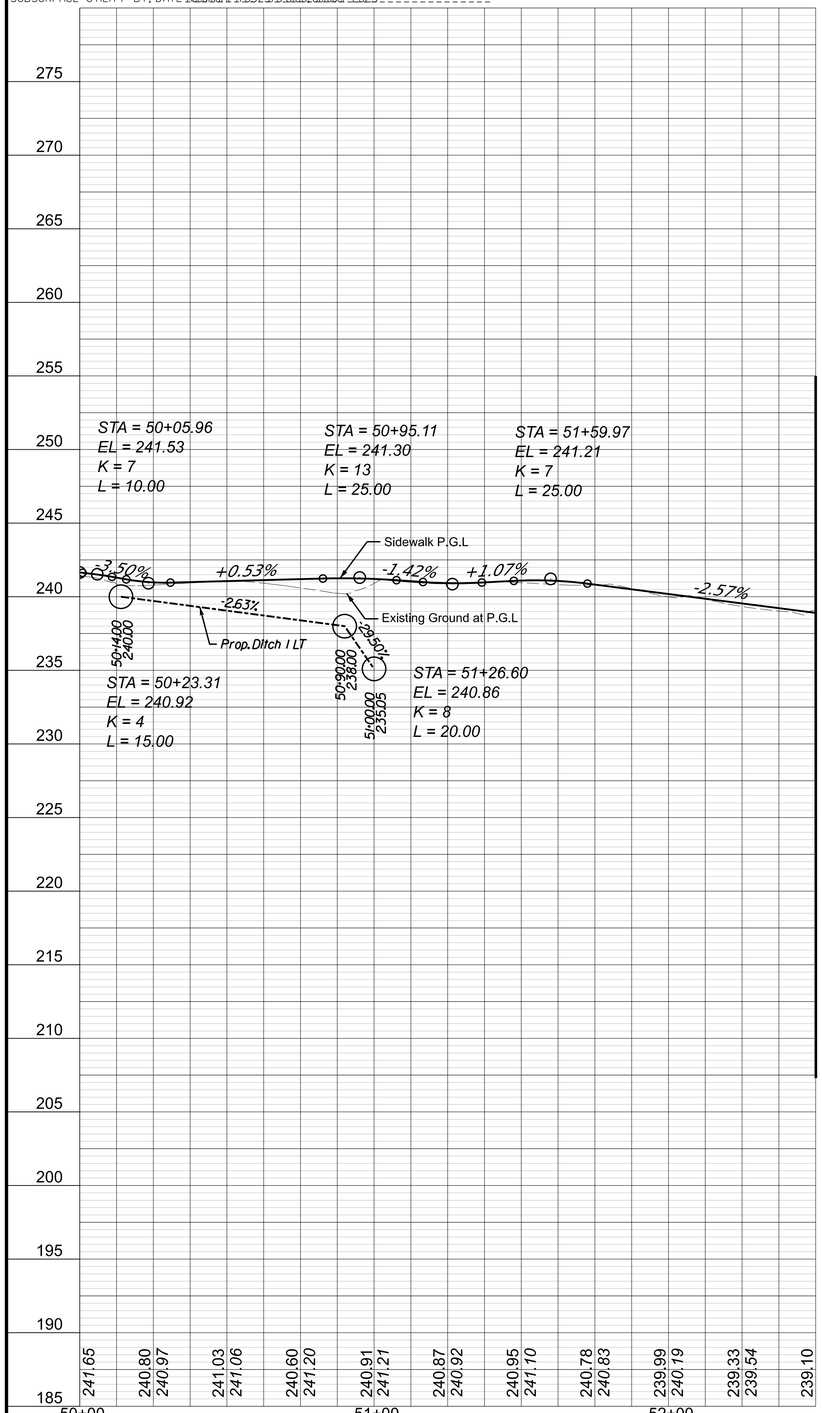
0 25' 50'

0 1 2

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER Gladis Acboleda, EWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Bloker Design Assoc., P.C. (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Bloker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Sidewalk Profile



Match Line Sta. 52+50 See Sheet 7B

6/28/2024

	VDOT PROJECT NO.	SHEET NO.
	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	6C

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	7

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

Rinker Design Associates, LLC Manassas, Virginia HYDRAULIC ENGINEER	Rinker Design Associates, LLC Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
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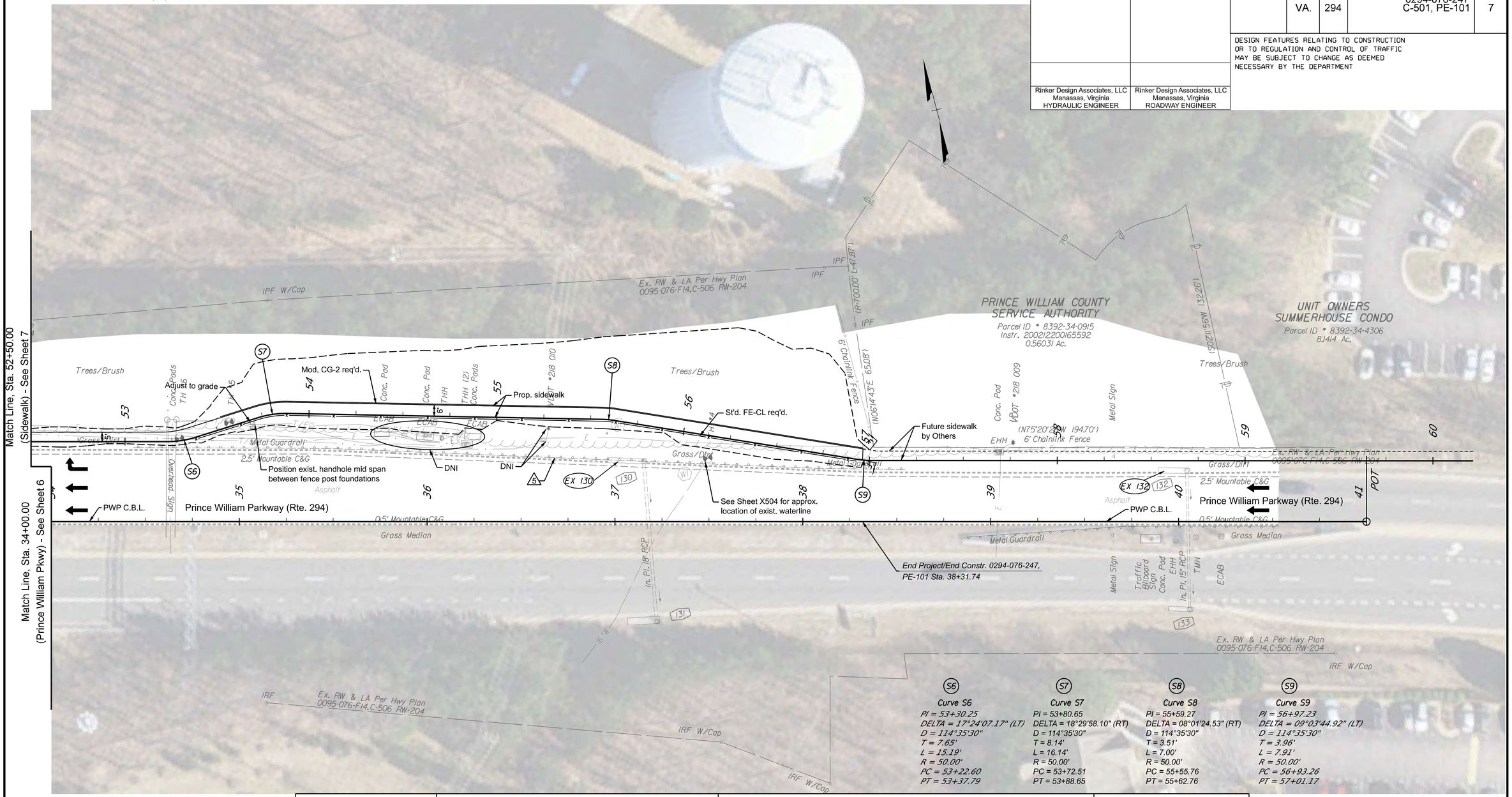
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023



Curve S6
PI = 53+30.25
DELTA = 17°24'07.17" (LT)
D = 114°35'30"
T = 7.65'
L = 15.19'
R = 50.00'
PC = 53+22.60
PT = 53+37.79

Curve S7
PI = 53+80.65
DELTA = 18°29'58.10" (RT)
D = 114°35'30"
T = 8.14'
L = 16.14'
R = 50.00'
PC = 53+72.51
PT = 53+88.65

Curve S8
PI = 55+59.27
DELTA = 08°01'24.53" (RT)
D = 114°35'30"
T = 3.51'
L = 7.00'
R = 50.00'
PC = 55+55.76
PT = 55+62.76

Curve S9
PI = 56+97.23
DELTA = 09°03'44.92" (LT)
D = 114°35'30"
T = 3.96'
L = 7.91'
R = 50.00'
PC = 56+93.26
PT = 57+01.17

DRAINAGE LEGEND
A Mod. UD-4 (6") Req'd.
B St'd. UD-4 Req'd.
C Connect to Exist. Underdrain
D Clean Existing Pipe
E Modify Existing Structure

GUARDRAIL AND BARRIER LEGEND
1 St'd. GR-MGS1 Req'd.
2 St'd. GR-MGS2 Req'd.
3 St'd. GR-MGS3 Req'd.
4 St'd. GR-MGS4 Req'd.
5 Existing Guardrail to Remain
6 Remove Existing Guardrail
7 St'd. GR-11 Req'd.

Guardrail Notes:
1. Plastic safety caps shall be installed on all guardrail posts for all proposed guardrail runs located between the roadway and sidewalk

LEGEND
Denotes Full Depth Pavement
Denotes Mill and Overlay
Denotes Demolition of Pavement
C Denotes Construction Limits in Cuts
F Denotes Construction Limits in Fills
DNI = Denotes "Do not impact"
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NOTE: See Sheet 1H for utility owner information

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Construction Geometrics	1G Series
Typical Sections	2A Series
E&S Phase 1	1Q(7)
E&S Phase 2	1R(7)
Drainage Descriptions	2K(1)
Storm Sewer Profiles	2K(2)
Prince William Parkway Profile	7A
Sidewalk Profile	7B

NOTE: Elements on this sheet are wholly contained within Existing Right of Way and Limited Access.

SCALE 0 25' 50'

VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364

SHEET NO. 7

6/28/2024

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FINAL PLANS

PROJECT MANAGER Gladis Acboleda, PWC, Dept. of Transportation (703) 792-5276
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DESIGN BY Adam Weisenbach, P.E., Bloker Design Assoc., P.C. (703) 334-9300
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Prince William Pkwy. WB (Route 294) Profile

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

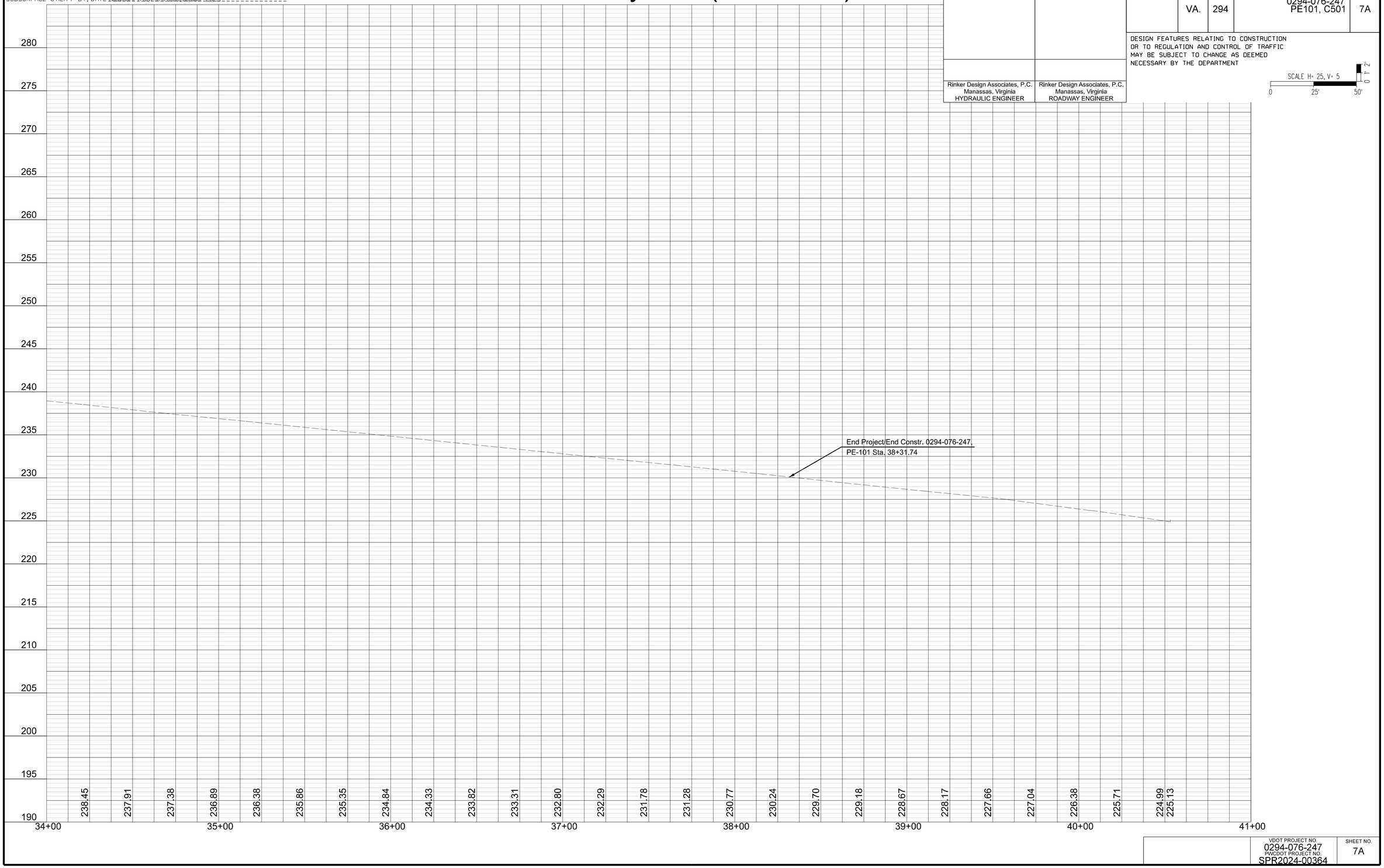
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	7A

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

SCALE H= 25, V= 5
0 1" 2"
0 25' 50'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER

Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER



6/28/2024

VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364
SHEET NO. 7A

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

FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

PROJECT MANAGER Gladis Acboleda, EWC, Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., P.C. (703) 334-9302; July 2023
DESIGN BY Adam Weisenbach, P.E., Rinker Design Assoc., P.C. (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Sidewalk Profile

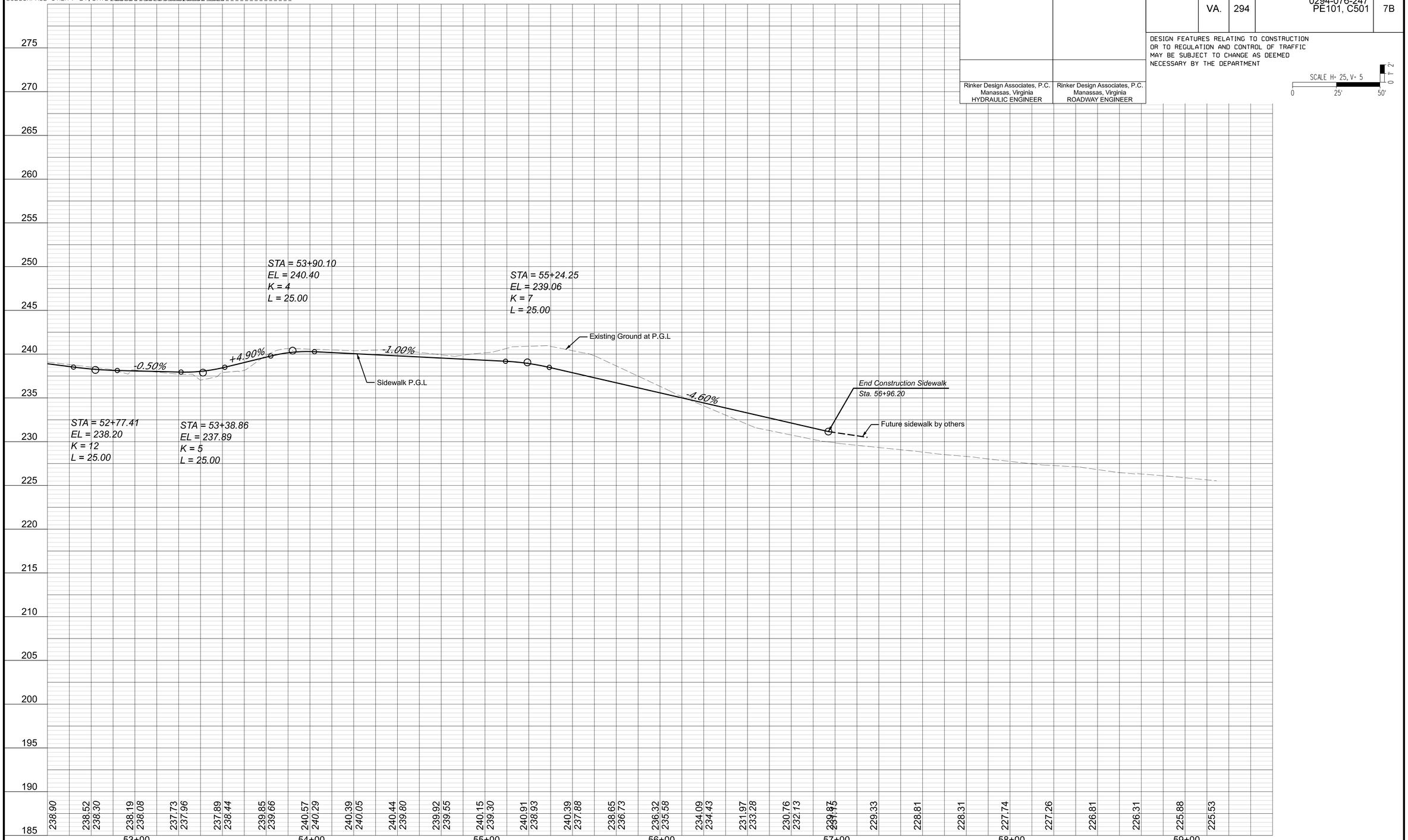
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 PE101, C501	7B

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

SCALE H= 25, V= 5
0 25' 50'
0 1' 2'

Rinker Design Associates, P.C. Manassas, Virginia HYDRAULIC ENGINEER

Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER



VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	7B

6/28/2024

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

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DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

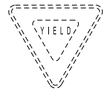
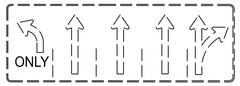
Sign Schedule

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	8

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

Rinker Design Associates, LLC
Manassas, Virginia
ROADWAY ENGINEER

TEXT NO.	TEXT	SIGN NO.	SIGN STRUCT. ST'D.	PANEL SIZE W(inch)	PANEL SIZE H(inch)	MUTCD ST'D.	SIGN AREA SQ.FT.EA.	REMARKS
1		401 501 602	STP-1 2 1/2" 12 GA. Single Post	36 24	36 12	W11-2 W16-7PL	9 2	Type A Foundation Req'd.
2		301 402 601 603	STP-1 2 1/2" 12 GA. Single Post	36 24	36 12	W11-2 W16-9P	9 2	Type A Foundation Req'd.

TEXT NO.	TEXT	SIGN NO.	SIGN STRUCT. ST'D.	PANEL SIZE W(inch)	PANEL SIZE H(inch)	MUTCD ST'D.	SIGN AREA SQ.FT.EA.	REMARKS
3		302	STP-1 2' 14 GA. Single Post	48	48	R1-2	32	Type A Foundation Req'd.
4		403	STP-1 2' 14 GA. Single Post	X	30	R3-8	x	Type A Foundation Req'd.
5		404	STP-1 2 1/2" 12 GA. Single Post	36	36	W4-1	9	Type A Foundation Req'd.
6		604	STP-1 2 1/2" 12 GA. Single Post	36	36	W4-3	9	Type A Foundation Req'd.

STANDARD SIGN LEGEND

PLAN ITEM	PLAN SYMBOL PROPOSED	PLAN SYMBOL EXISTING
Single Post Sign Support		
Double Post Sign Support		
Triple Post Sign Support		
Flashing Beacon		
O/H Cantilever Sign Support		
O/H Span Sign Support		

SIGN CALL-OUTS

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

SIGN LABELS

Proposed Sign Assemblies
denotes Sign Assembly No.
2808
3
denotes Text No.

Relocated Sign Assemblies
denotes Sign Assembly No.
2808
3
denotes Text No.

Sign Relocation or Payable Sign Disposal/Salvage
denotes Existing Sign Structure and/or Sign Panel Type
GM
A
STRUCTURE & SIGN PANEL
GM - Ground Mounted
OM - Overhead Mounted
CM - Cantilever Mounted
SIGN PANEL
SP-GM - Ground Mounted Sign Panel
SP-OH - Overhead Mounted Sign Panel
STRUCTURE ONLY
ST-GM - Ground Mounted
denotes Action and Measurement & Payment Item
A - Remove & Dispose
B - Remove & Salvage
C - Relocate
D - Overlay Sign Panel

Signs noted on plans to be removed that do not have an accompanying sign label shall not be measured separately for payment. Removal and disposal for such signs shall be incidental to other contract items.

TRAFFIC CONTROL DEVICE PLANS
SIGNING AND PAVEMENT MARKINGS
SIGN SCHEDULE

SCALE 0 25' 50'
VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364
SHEET NO. 8

6/28/2024

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FINAL PLANS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 4, 1956

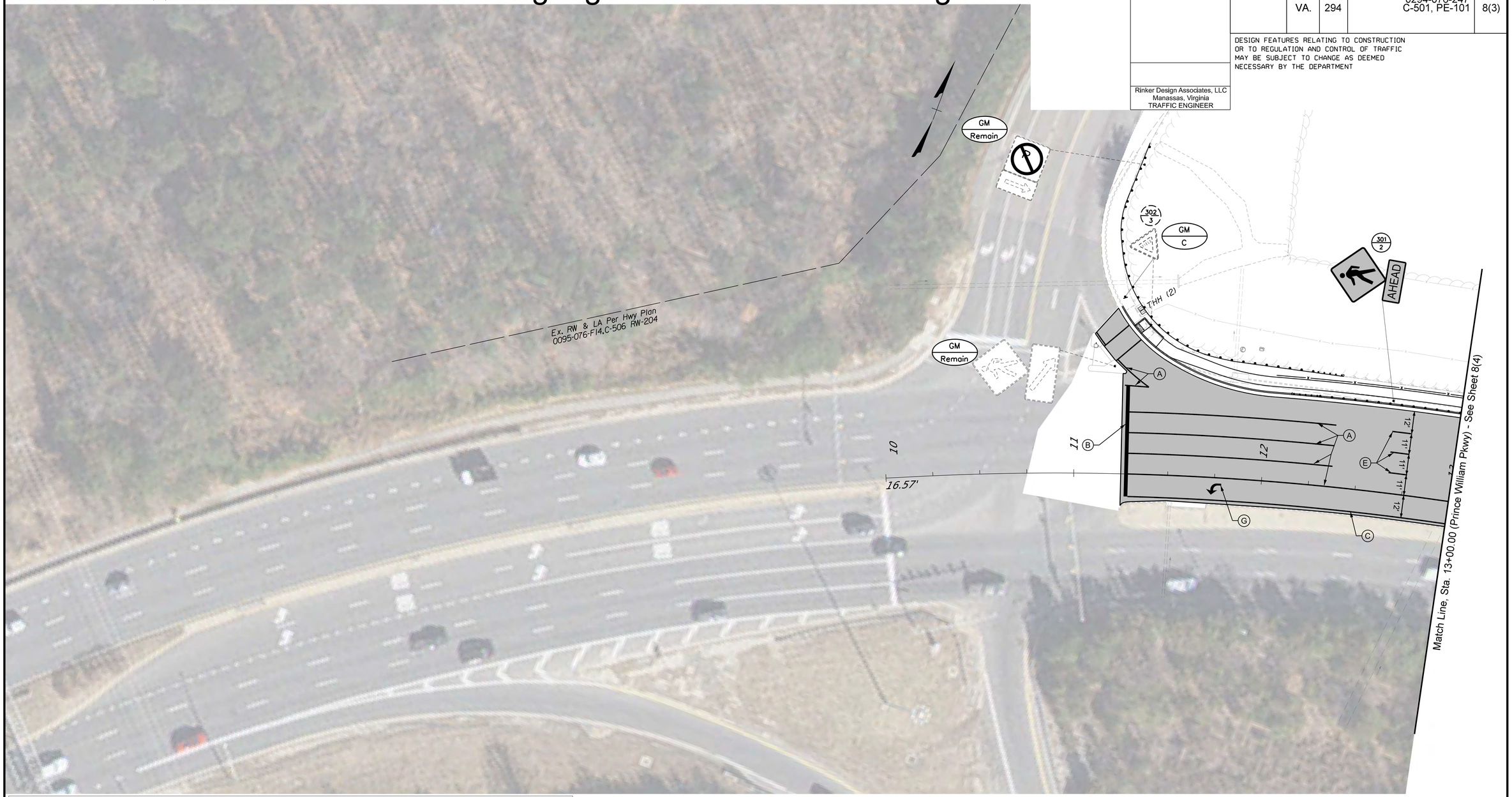
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	8(3)

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

Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER

PROJECT MANAGER Gladis Arboleda, PWC Dept. of Transportation (703) 792-5276
SURVEYED BY, DATE Nicholas Kougoulis, L.S., Rinker Design Assoc., LLC (703) 334-9302; July 2023
DESIGN BY Adam Welschenbach, P.E., Rinker Design Assoc., LLC (703) 334-9300
SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Signage and Pavement Marking Plan



Pavement Marking and Pavement Markers Legend

- (A) Type B, Class I, White Pavement Line Marking, 4" Width
- (B) Type B, Class I, White Pavement Line Marking, 24" Width
- (C) Type B, Class I, Yellow Pavement Line Marking, 4" Width
- (D) Type B, Class I, White Pavement Line Marking, 4" Width (2' Line, 6' Space)
- (E) Type B, Class I, White Pavement Line Marking, 4" Width (10' Line, 30' Space)
- (F) Type B, Class I, White Pavement Line Marking, 6" Width
- (G) Pavement Message Marking Elongated Arrow, Left

Note:
1. All proposed pavement markings shall tie into the existing markings at the limit of the proposed pavement markings.
2. Existing roadway does not have raised pavement markers and none are proposed with this pedestrian improvement project.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	8(3)

6/28/2024

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	8(4)

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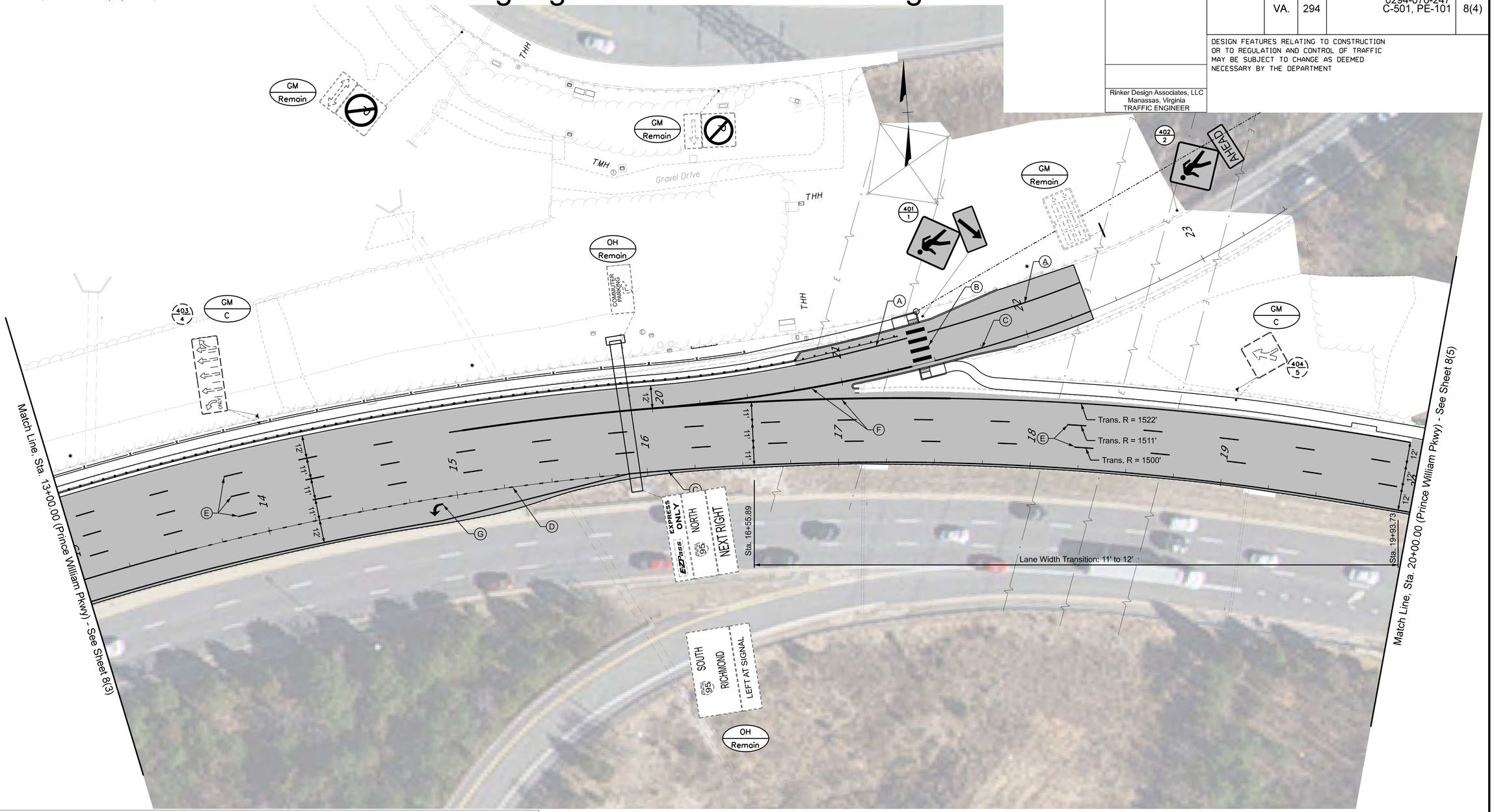
Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER



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0 25' 50'	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	8(4)

6/28/2024

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	8(5)

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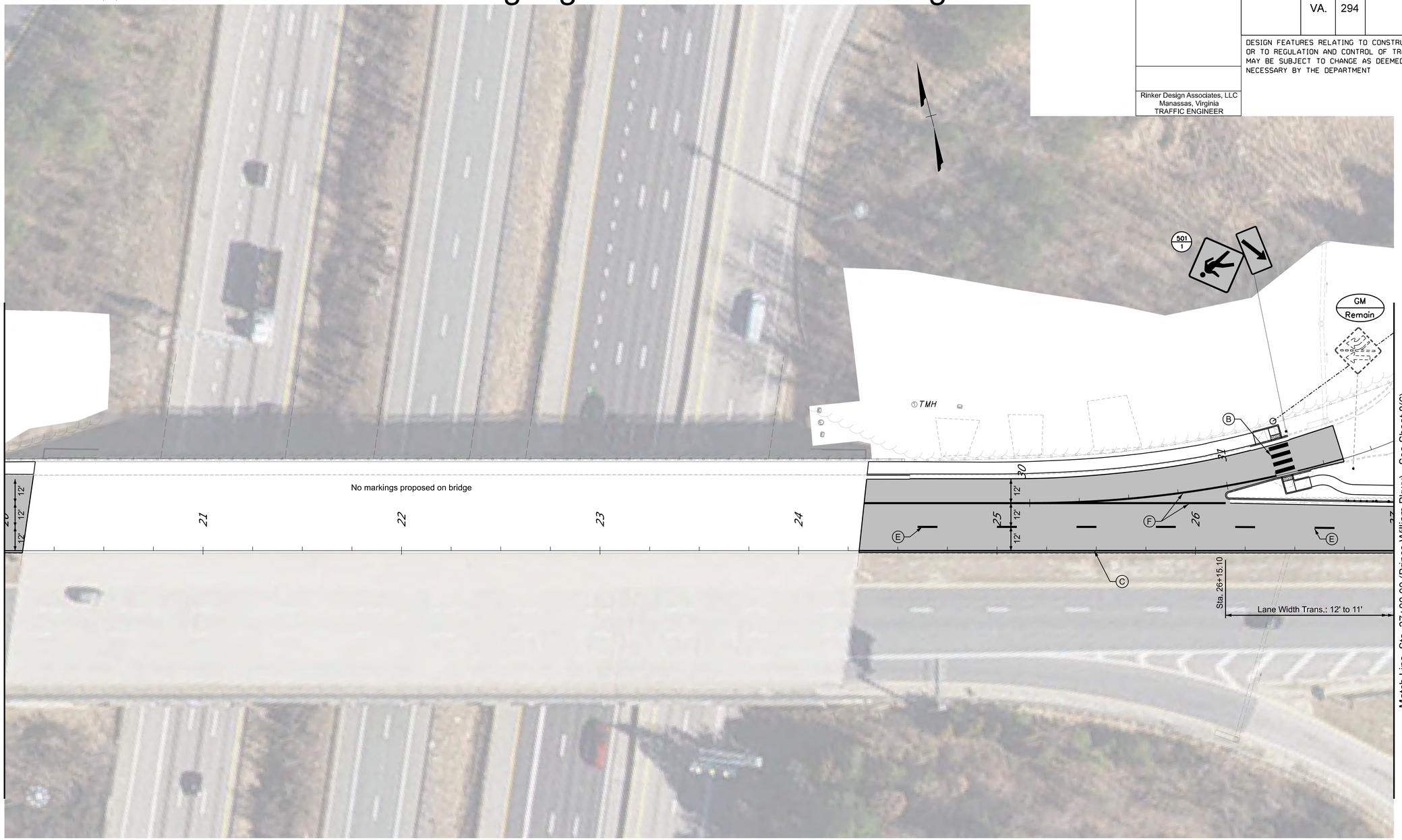
Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER



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SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	8(5)

6/28/2024

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	8(6)

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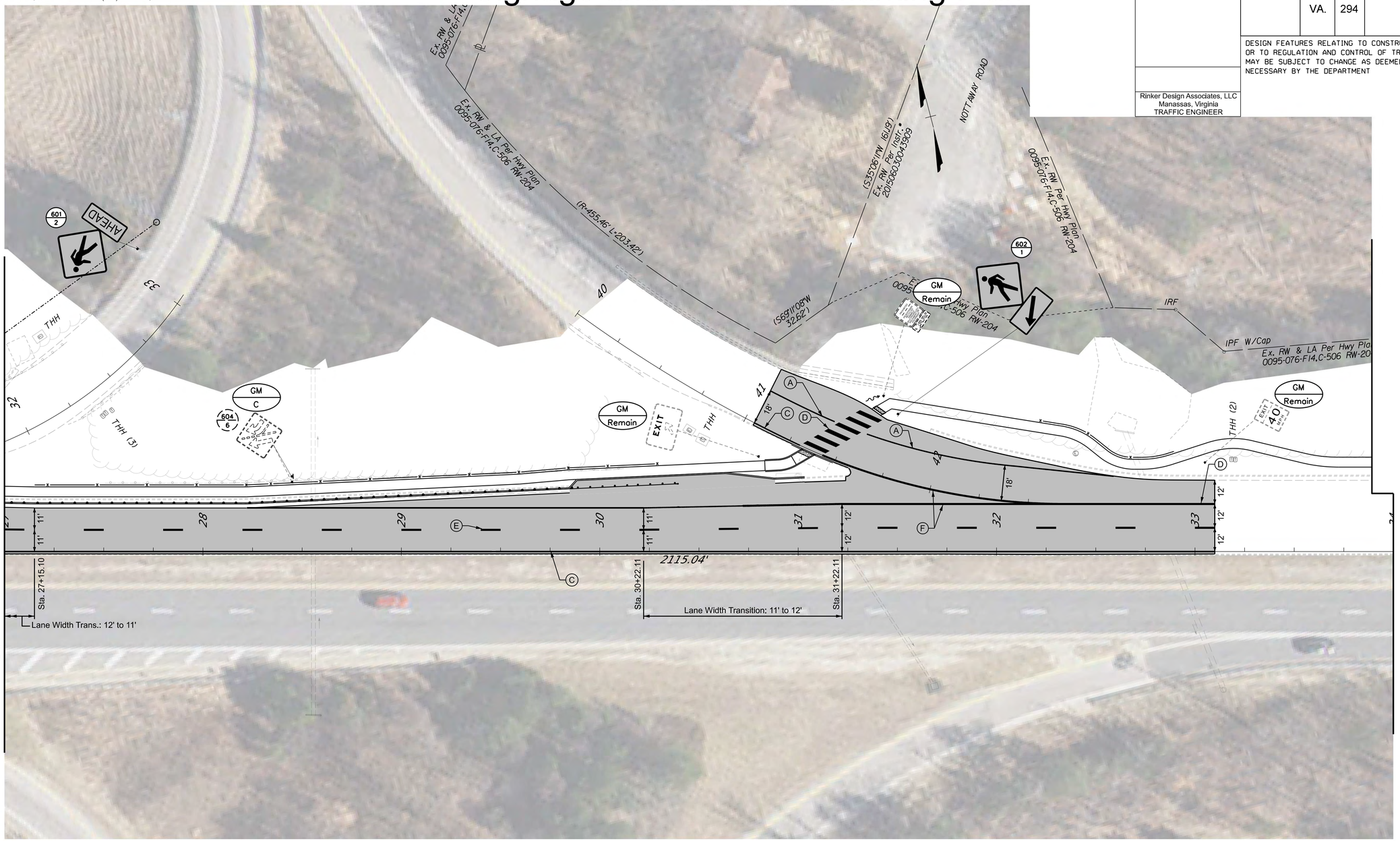
Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER



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6/28/2024

SCALE 0 25' 50'

VDOT PROJECT NO. 0294-076-247
PWCDOT PROJECT NO. SPR2024-00364

SHEET NO. 8(6)

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	8(7)

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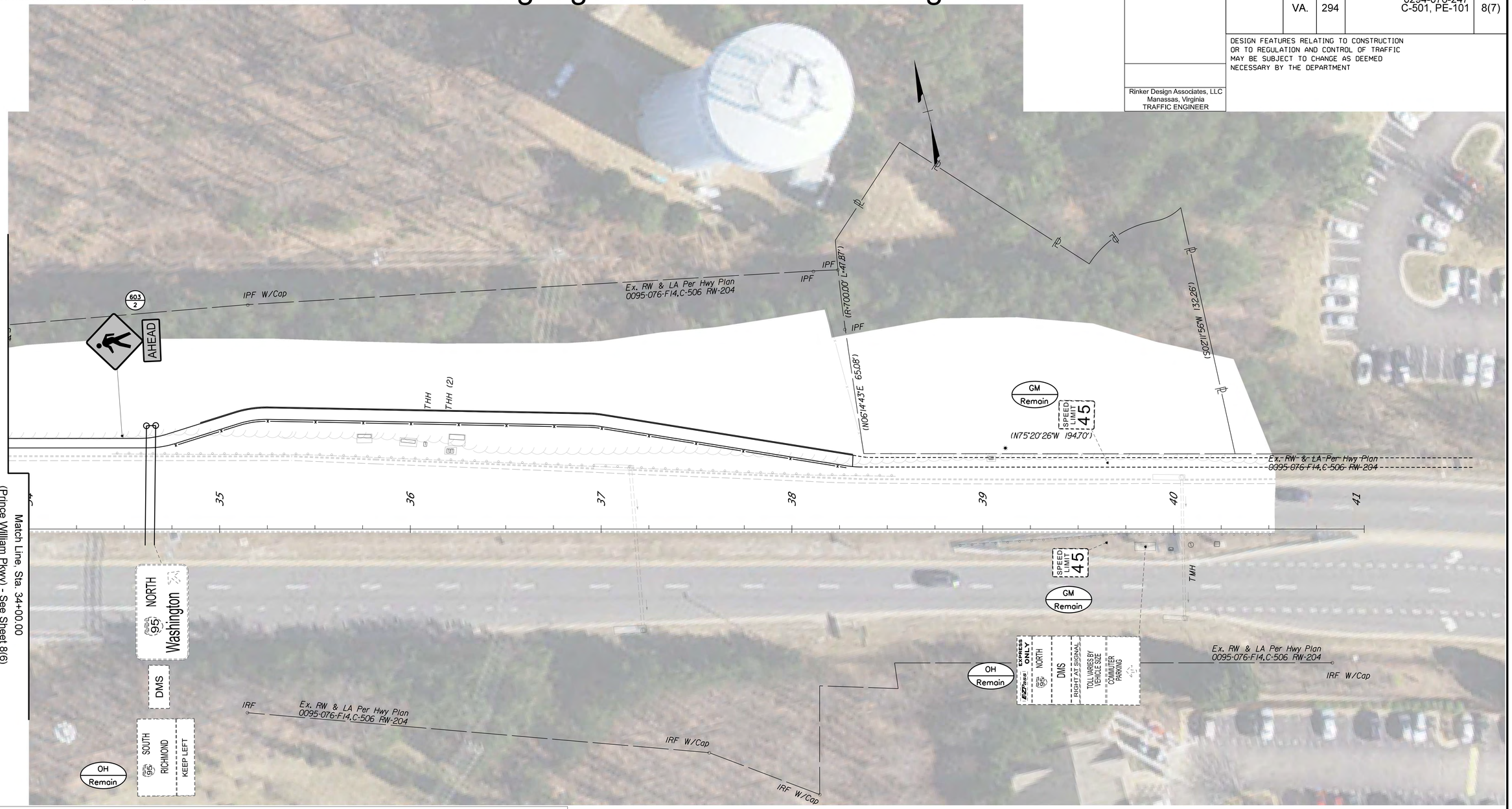
Rinker Design Associates, LLC
Manassas, Virginia
TRAFFIC ENGINEER



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SCALE 0 25' 50'

VDOT PROJECT NO.	SHEET NO.
0294-076-247	8(7)
PWCDOT PROJECT NO. SPR2024-00364	

6/28/2024

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X001

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SUBSURFACE UTILITY BY, DATE Accumark (703) 378-0100; October 2023

Prince William County Dept. of Transportation

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

PRINCE WILLIAM COUNTY

Prince William Parkway (Route 294) Sidewalk - Crossing over I-95

Cross Section Sheet Index

6/28/2024

	VDOT PROJECT NO. 0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	SHEET NO. X001

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FINAL PLANS

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

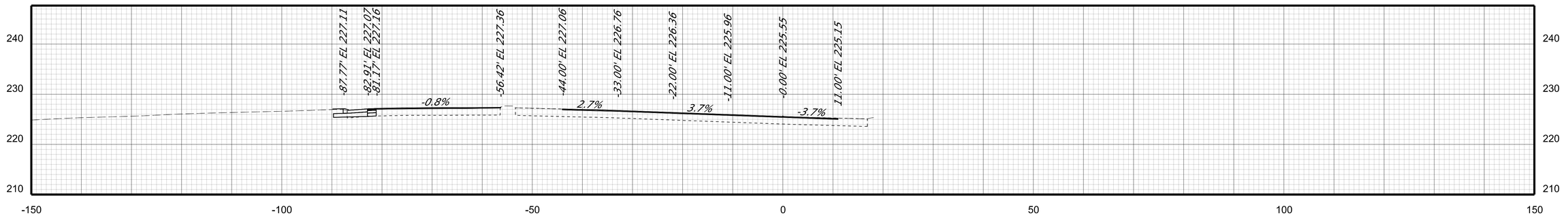
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

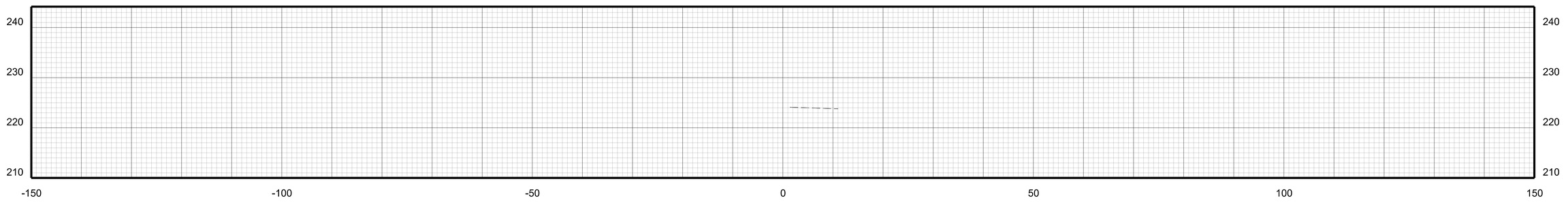
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X100

Prince William Parkway



STA 11+25.00

STA 11+00.00



STA 10+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X100

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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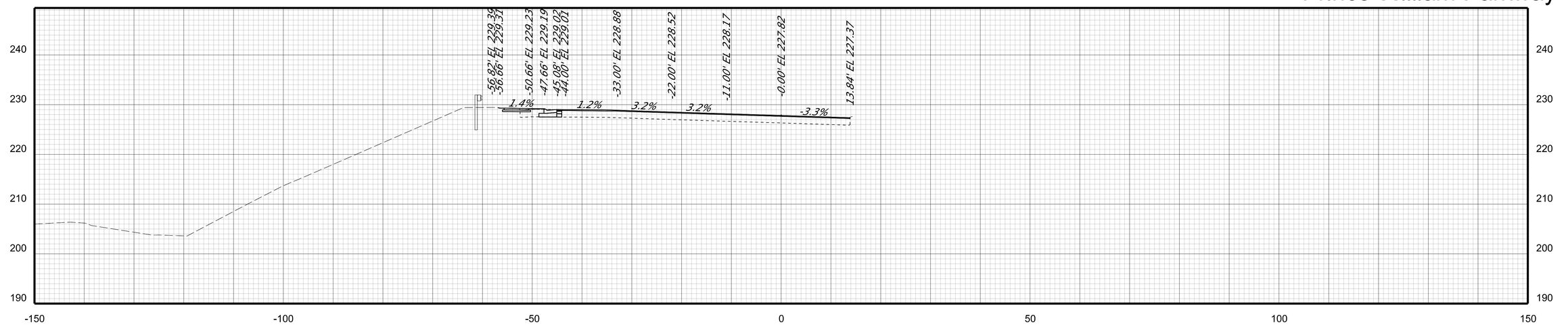
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X101

Prince William Parkway



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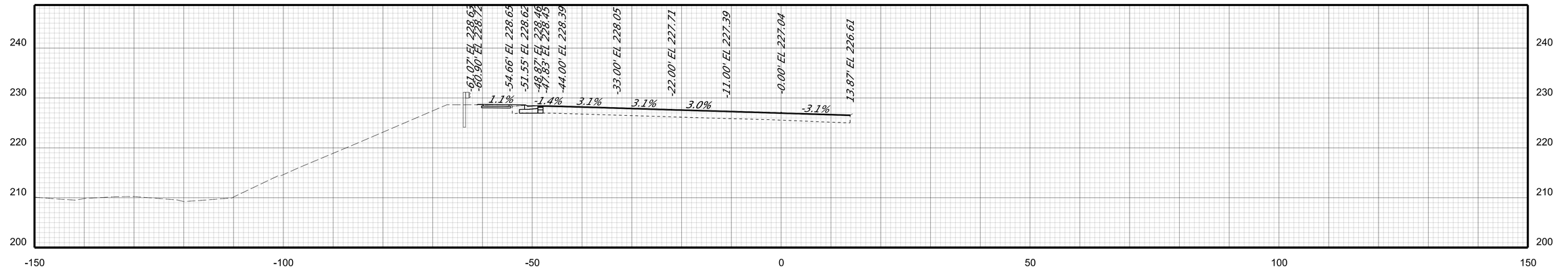
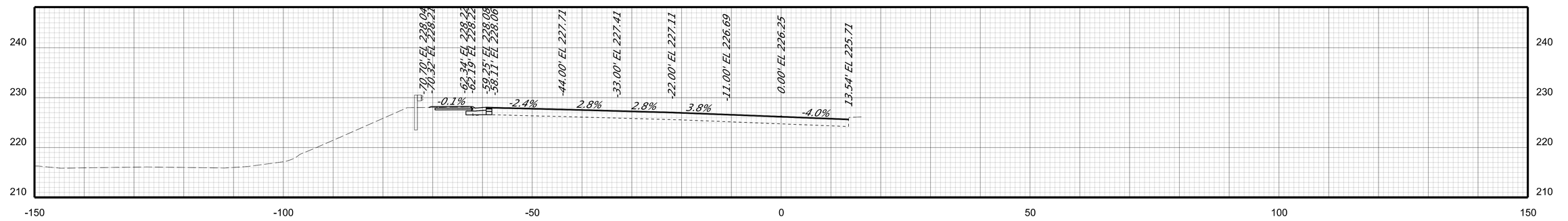


STA 11+75.00



STA 11+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X101

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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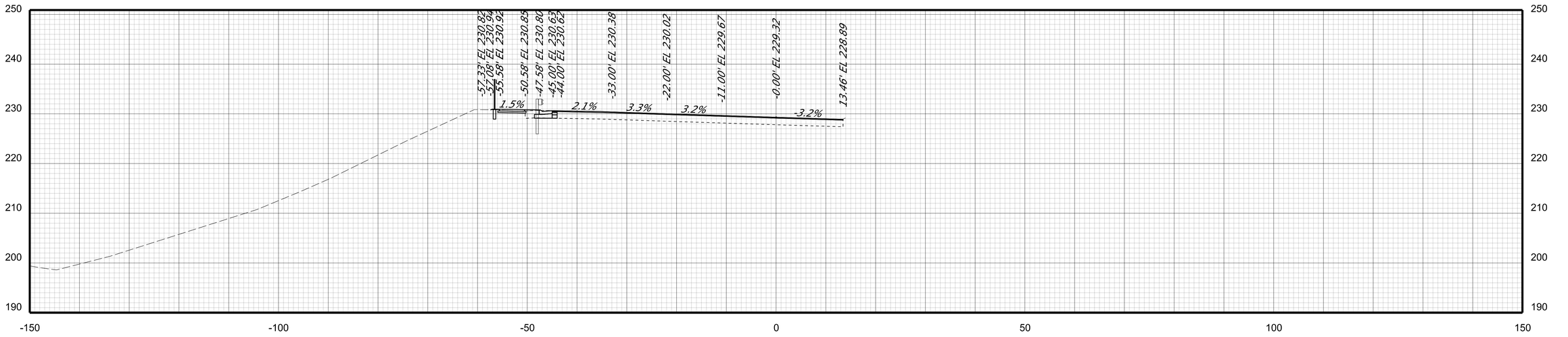
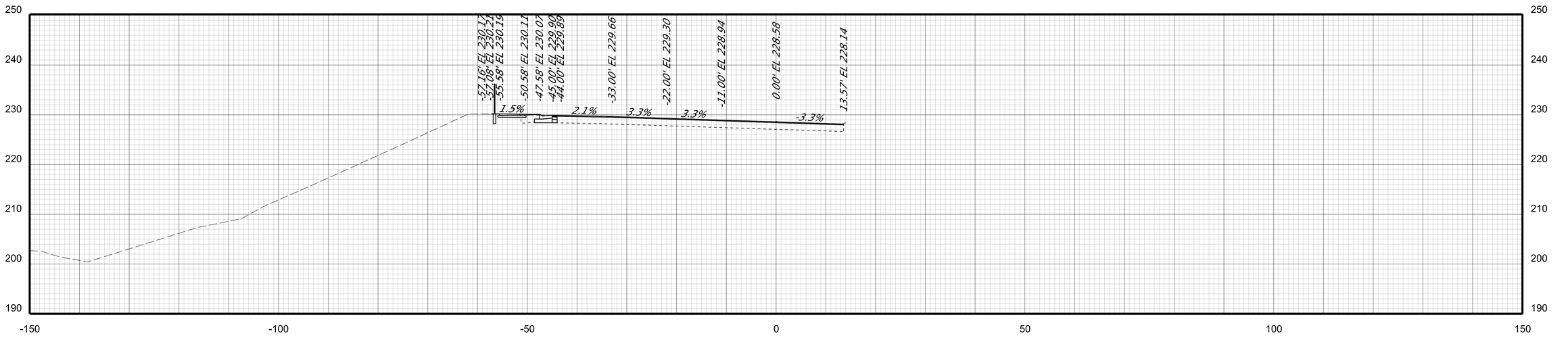
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X102

Prince William Parkway



STA 12+50.00



STA 12+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X102

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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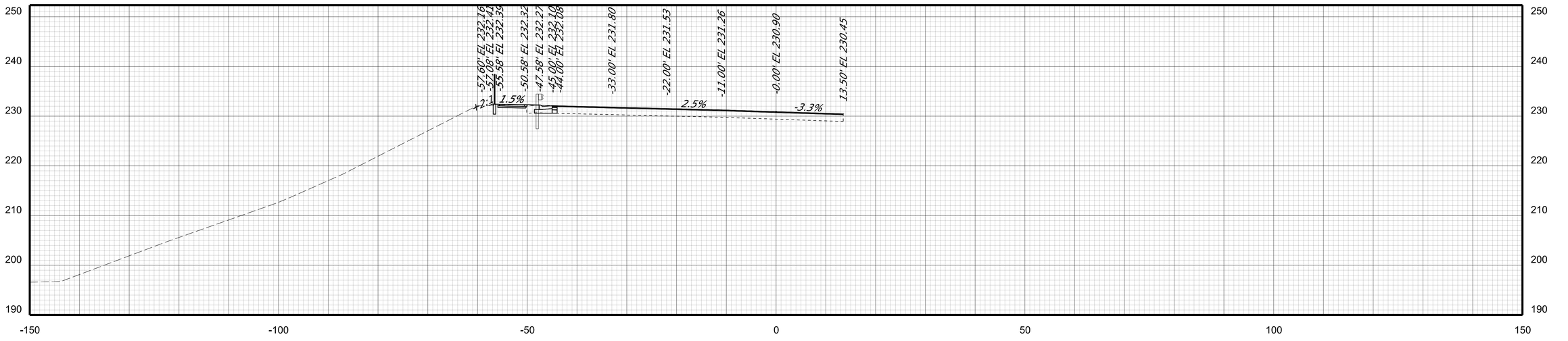
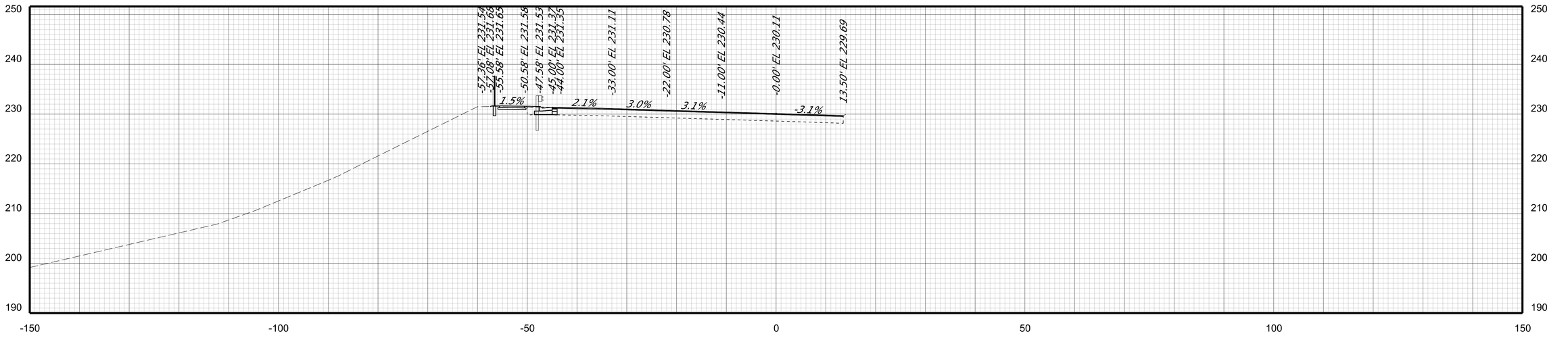
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X103

Prince William Parkway



STA 13+00.00



STA 12+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X103

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

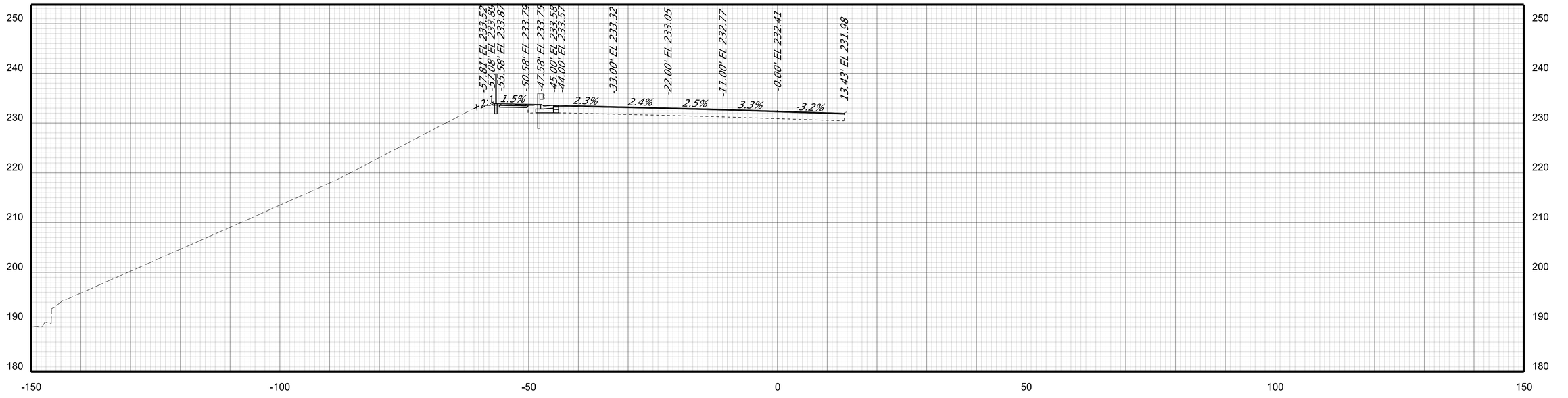
CROSS SECTIONS

SCALE 1 IN. = 10 FT

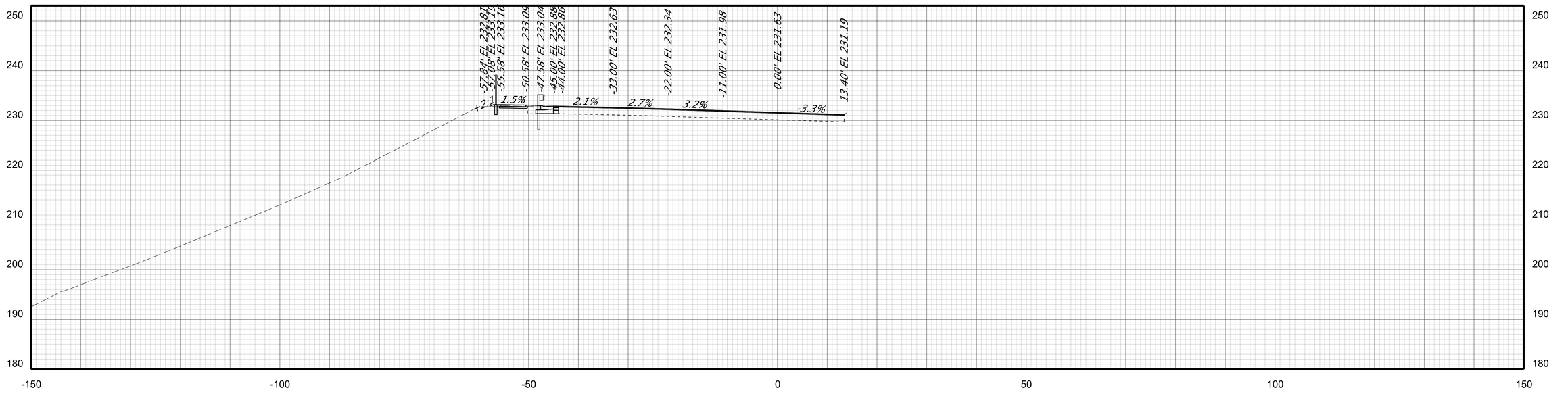
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X104

Prince William Parkway



STA 13+50.00



STA 13+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X104

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

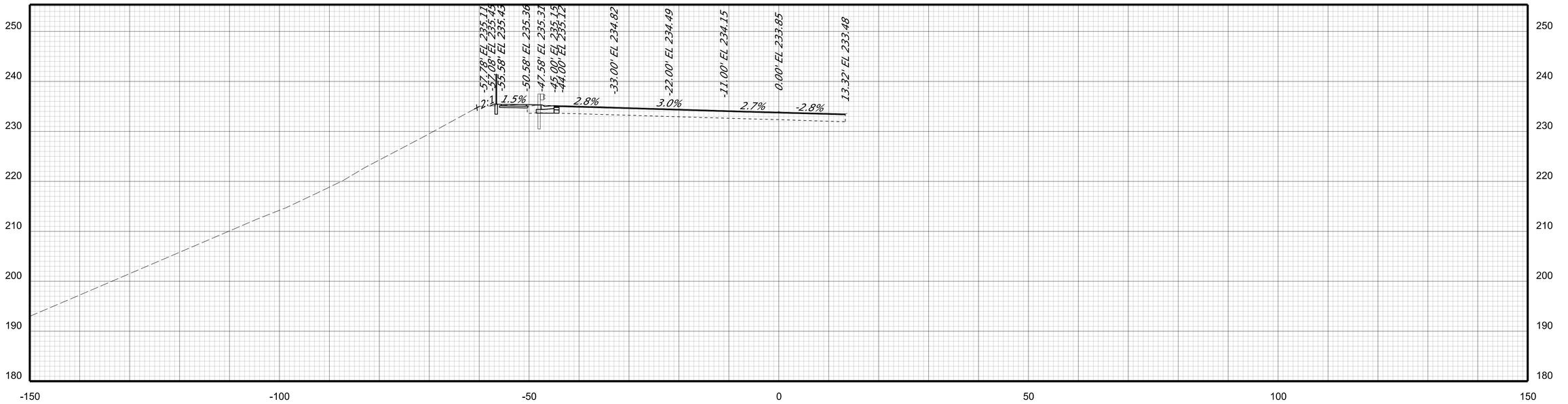
CROSS SECTIONS

SCALE 1 IN. = 10 FT

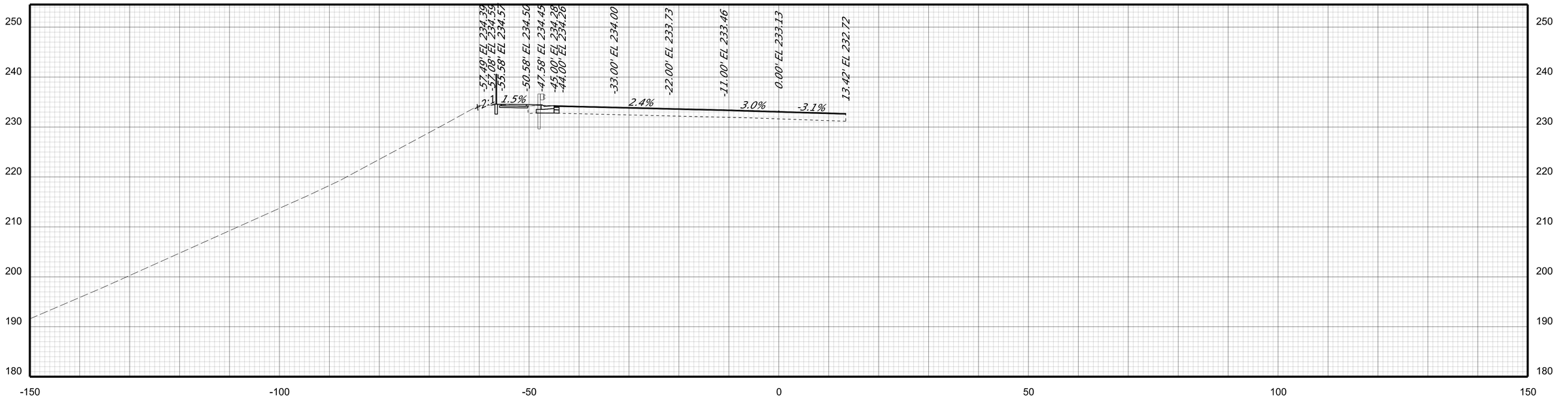
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X105

Prince William Parkway



STA 14+00.00



STA 13+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X105

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

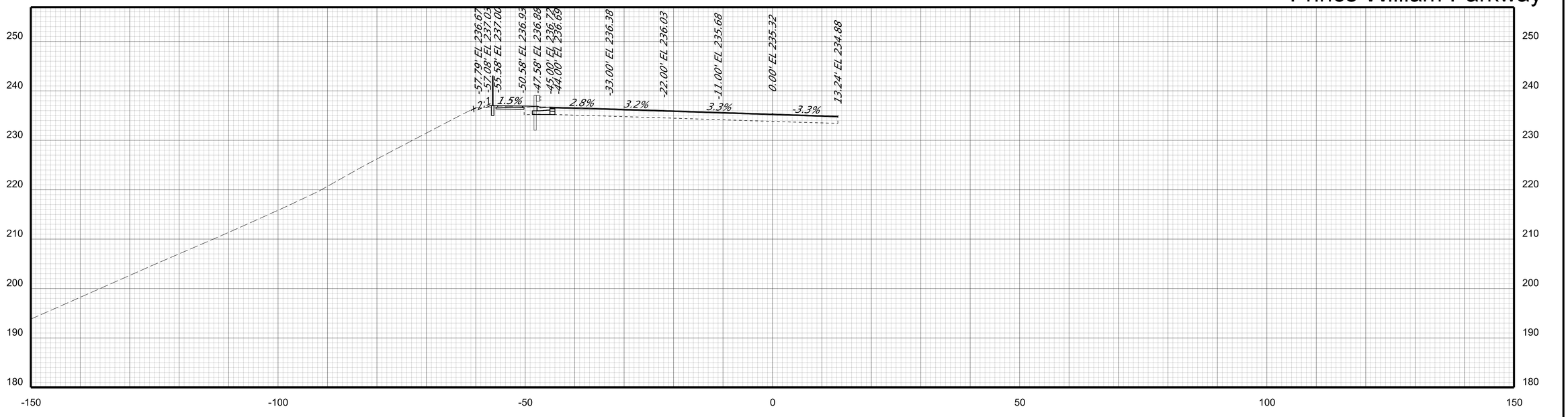
CROSS SECTIONS

SCALE 1 IN. = 10 FT

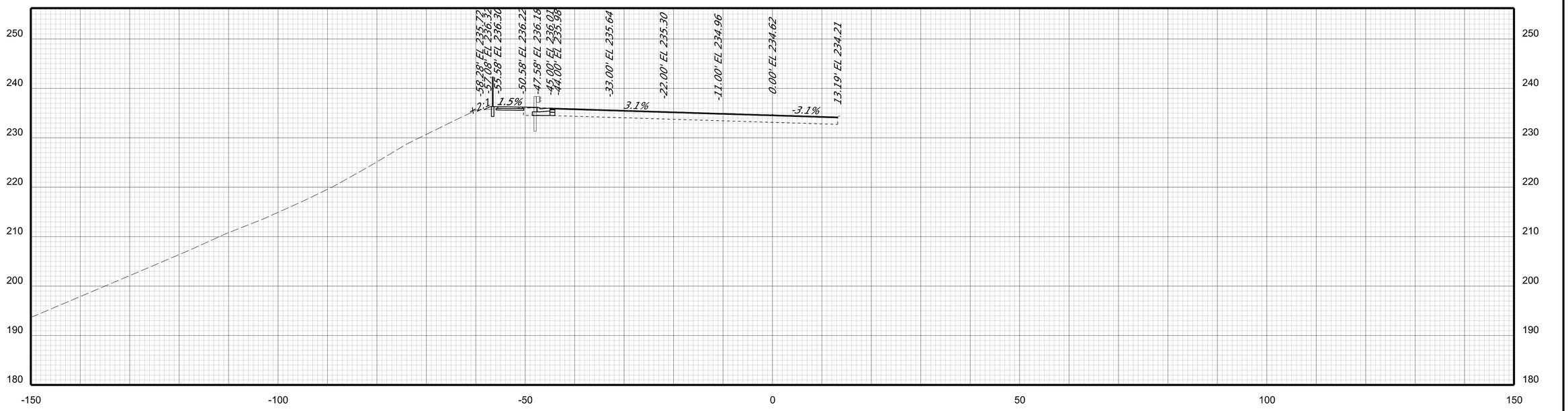
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X106

Prince William Parkway



STA 14+50.00



STA 14+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X106

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

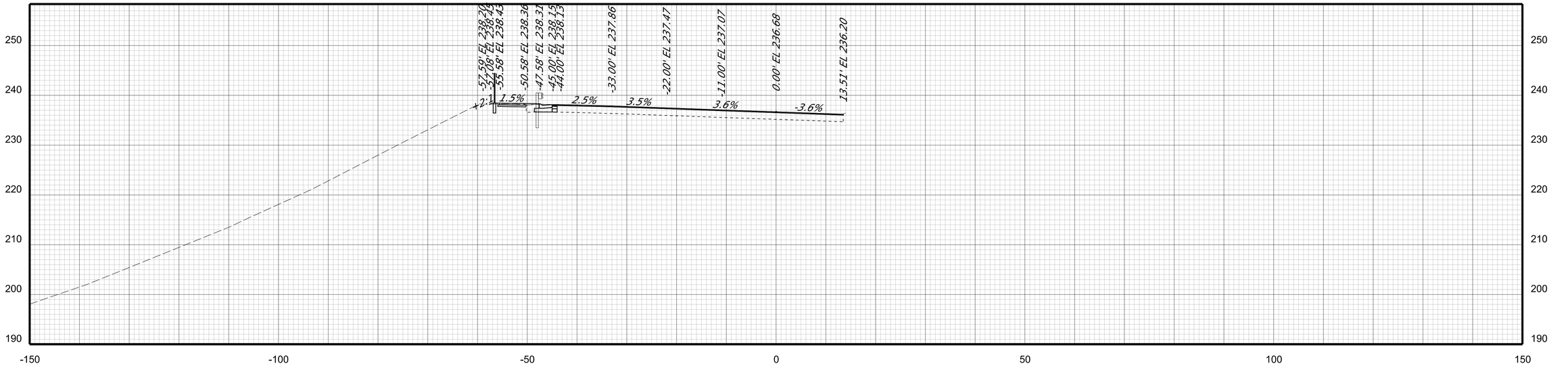
CROSS SECTIONS

SCALE 1 IN. = 10 FT

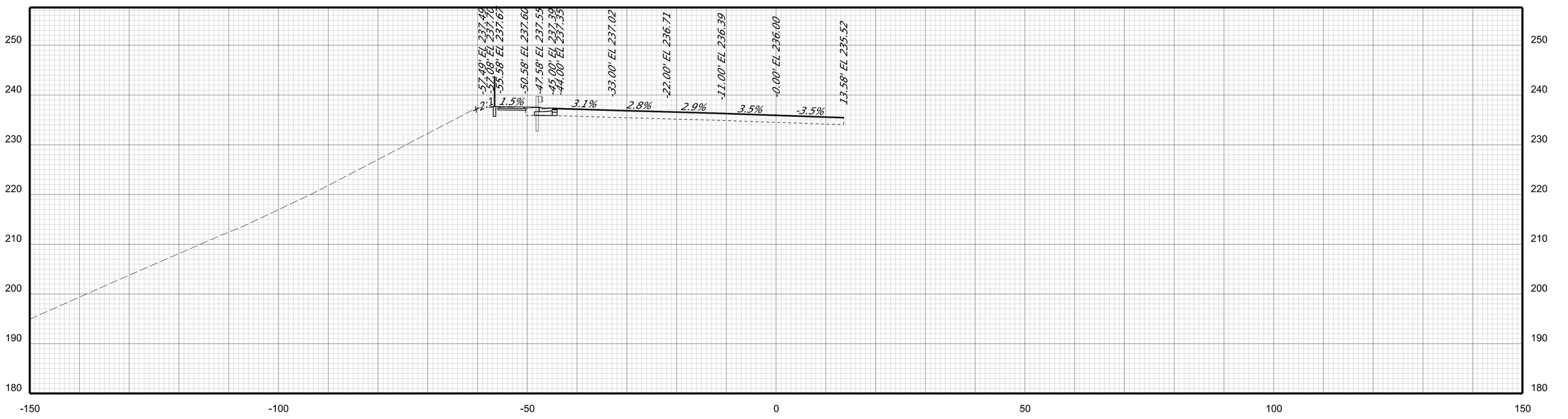
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X107

Prince William Parkway



STA 15+00.00



STA 14+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X107

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

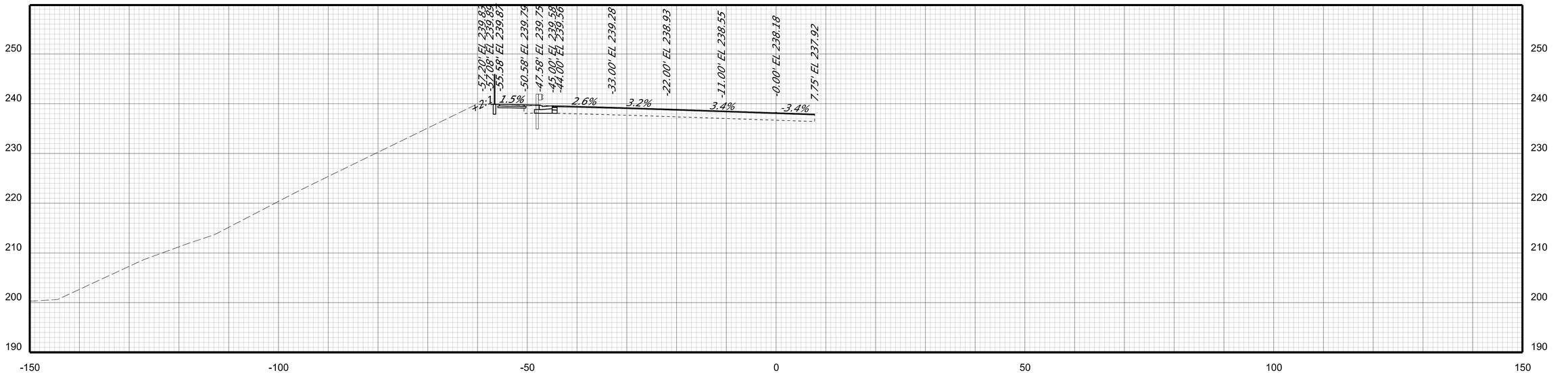
CROSS SECTIONS

SCALE 1 IN. = 10 FT

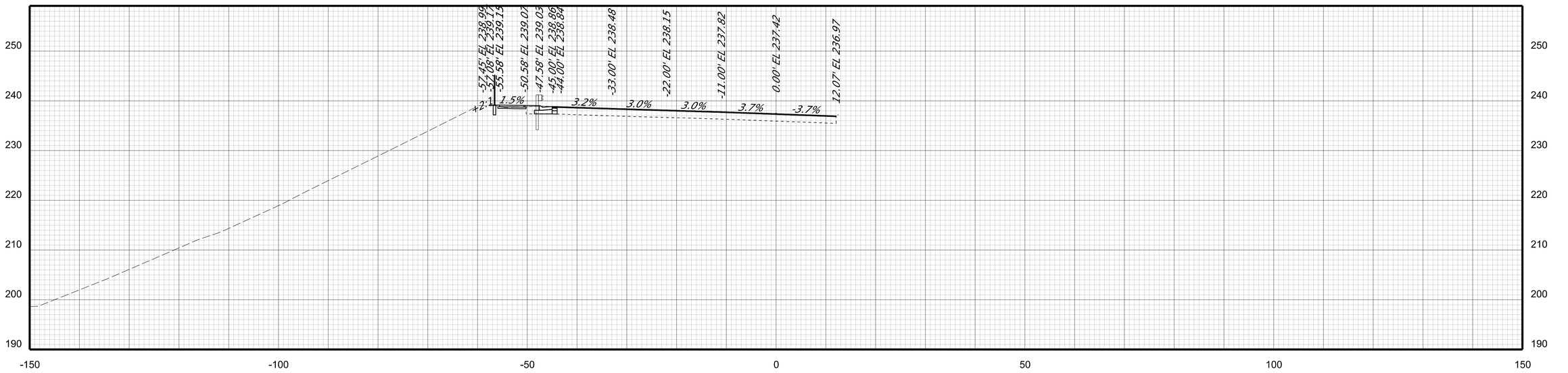
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X108

Prince William Parkway



STA 15+50.00



STA 15+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X108

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

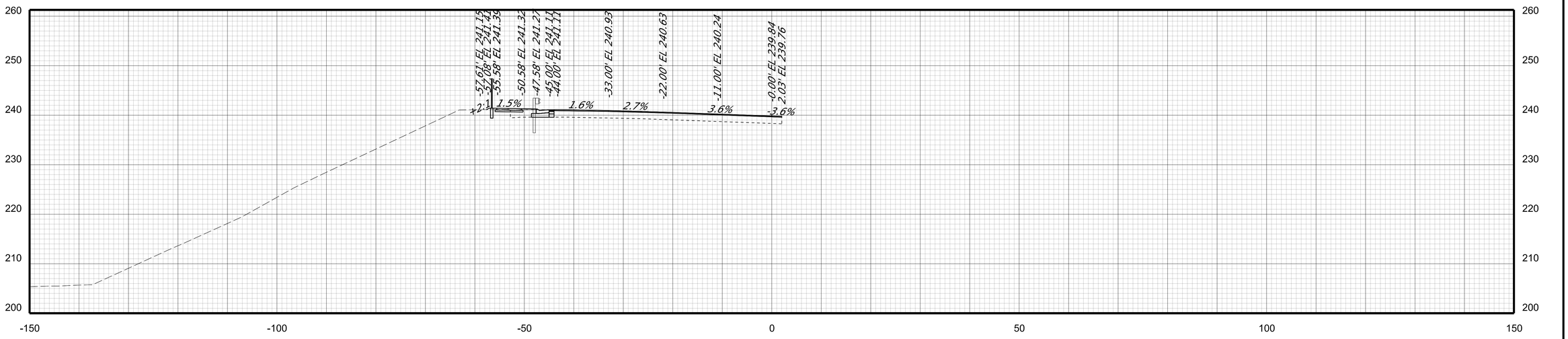
CROSS SECTIONS

SCALE 1 IN. = 10 FT

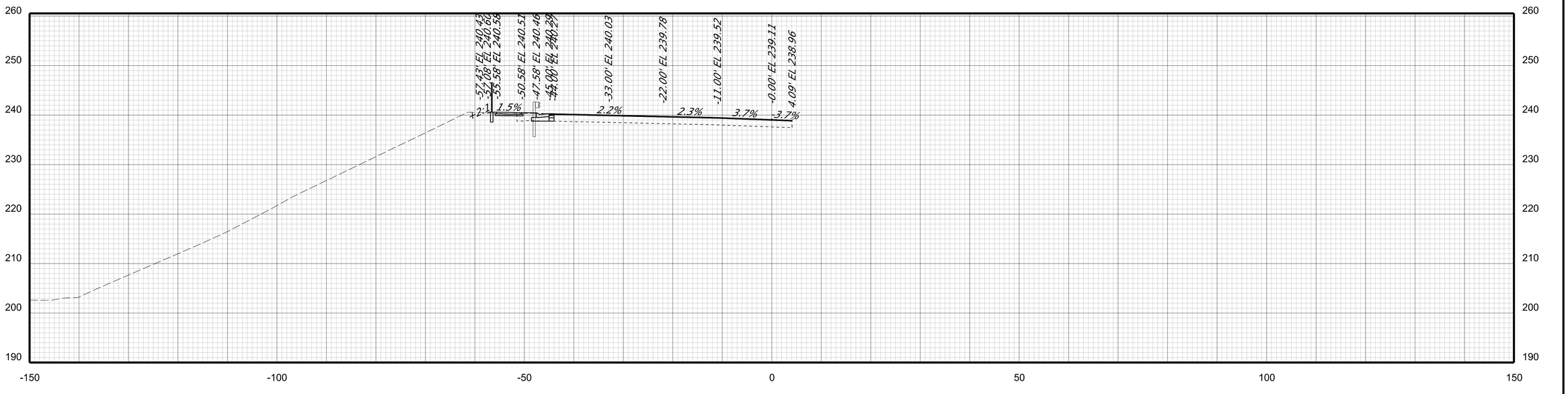
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X109

Prince William Parkway



STA 16+00.00



STA 15+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X109

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

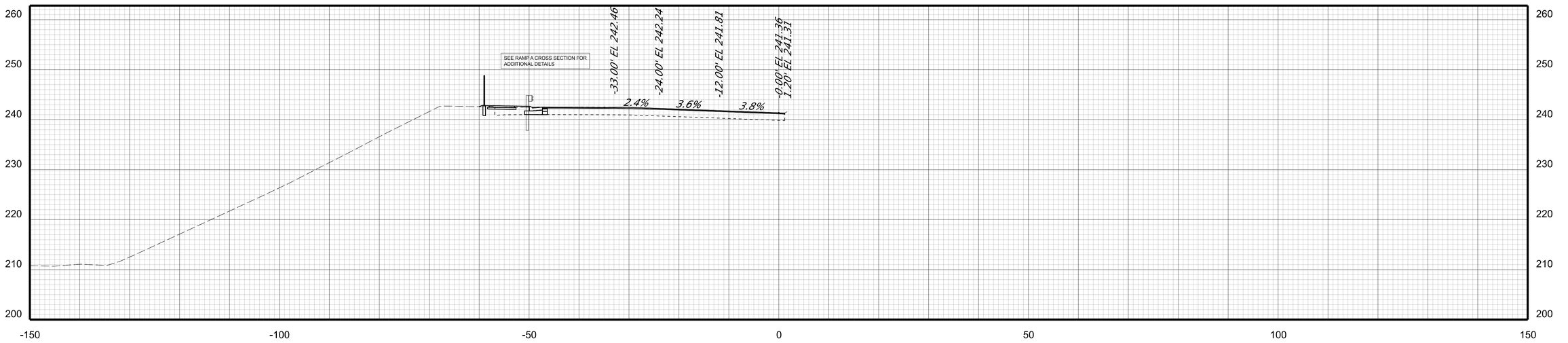
CROSS SECTIONS

SCALE 1 IN. = 10 FT

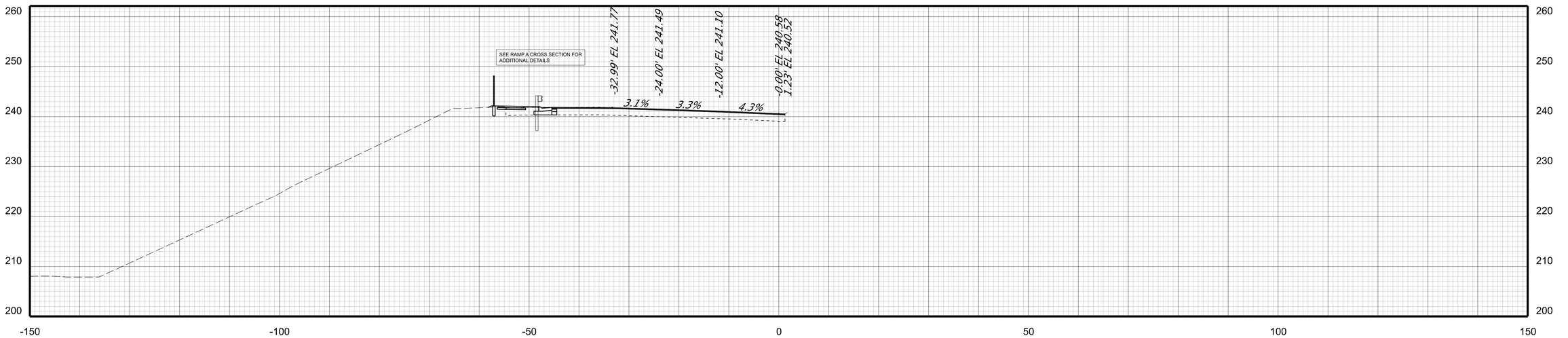
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X110

Prince William Parkway



STA 16+50.00



STA 16+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X110

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

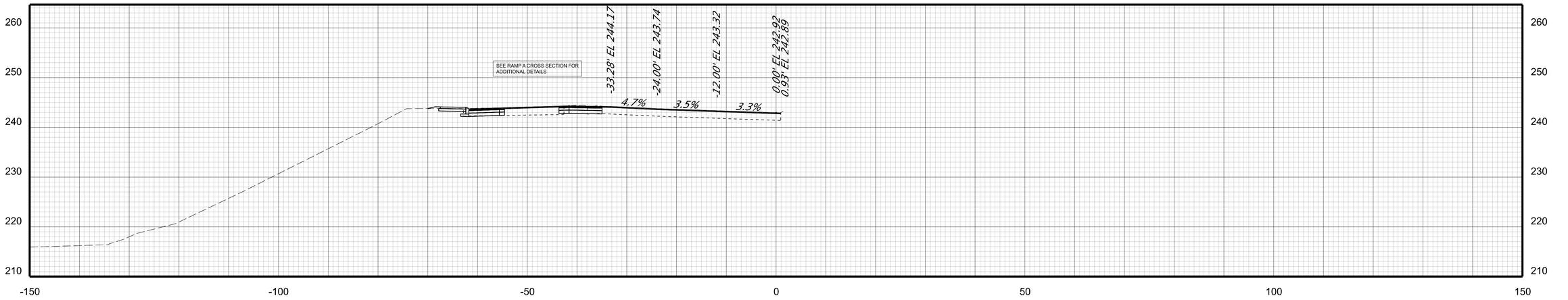
CROSS SECTIONS

SCALE 1 IN. = 10 FT

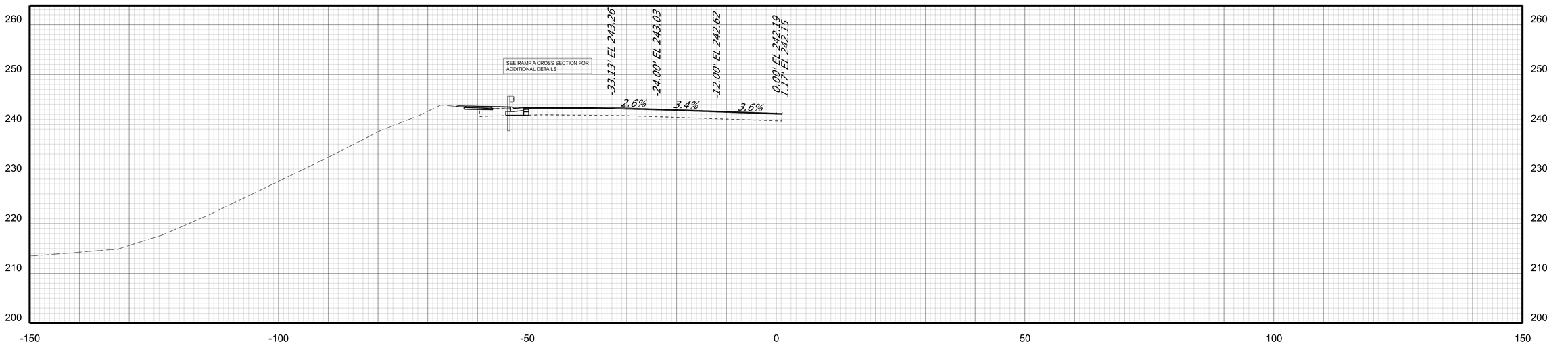
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X111

Prince William Parkway



STA 17+00.00



STA 16+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X111

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

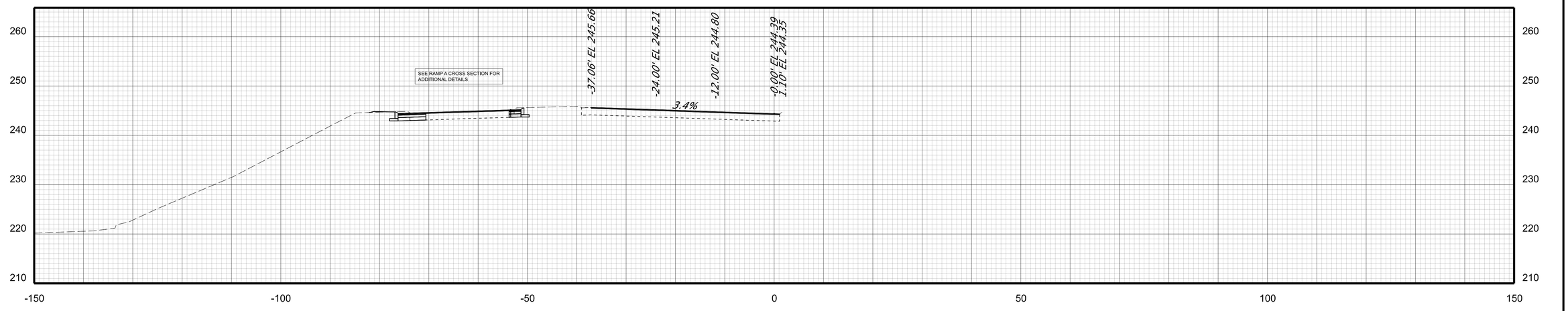
CROSS SECTIONS

SCALE 1 IN. = 10 FT

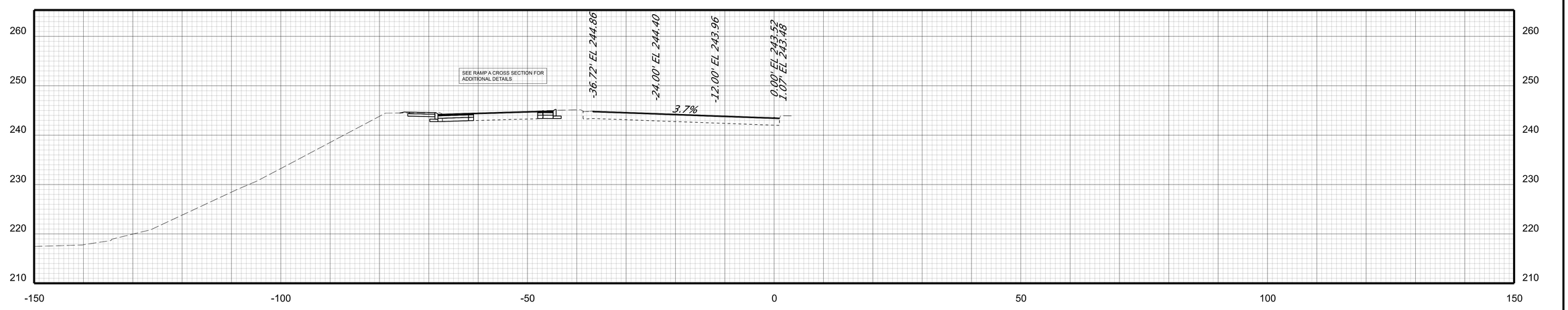
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X112

Prince William Parkway



STA 17+50.00



STA 17+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X112

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

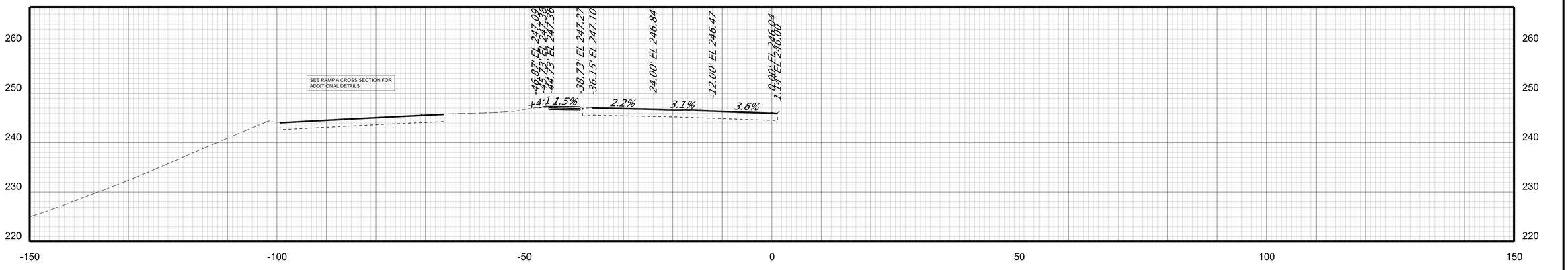
CROSS SECTIONS

SCALE 1 IN. = 10 FT

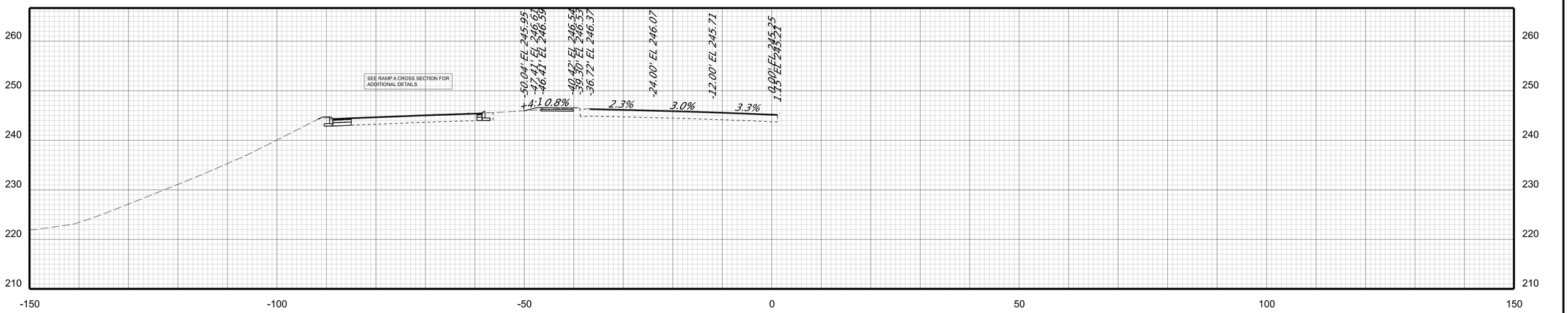
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X113

Prince William Parkway



STA 18+00.00



STA 17+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X113

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

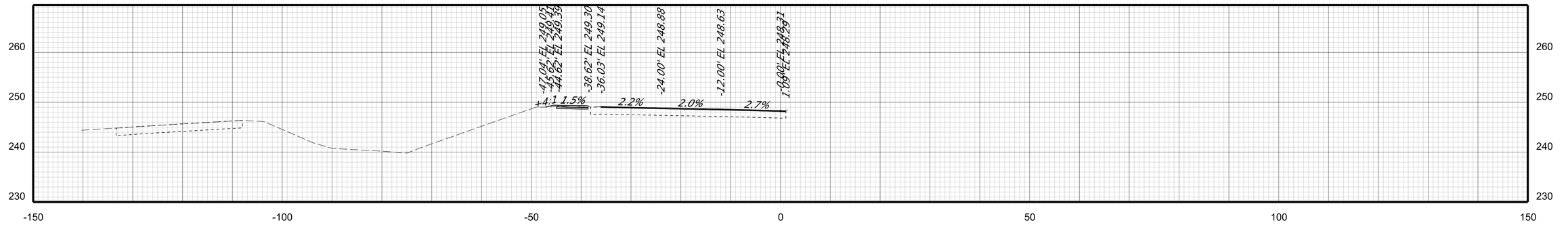
CROSS SECTIONS

SCALE 1 IN. = 10 FT

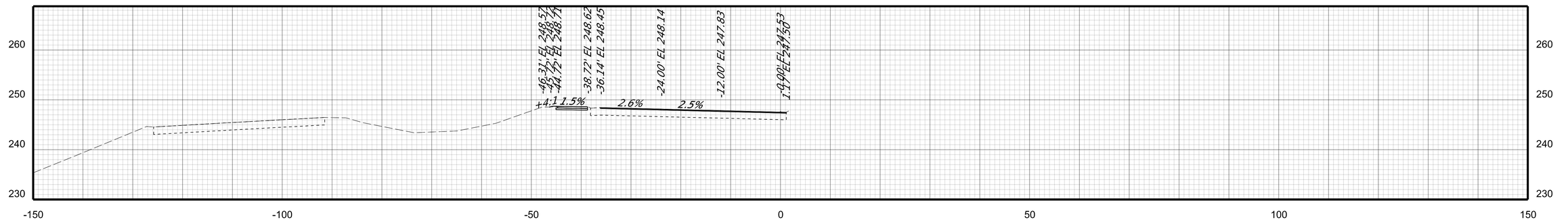
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X114

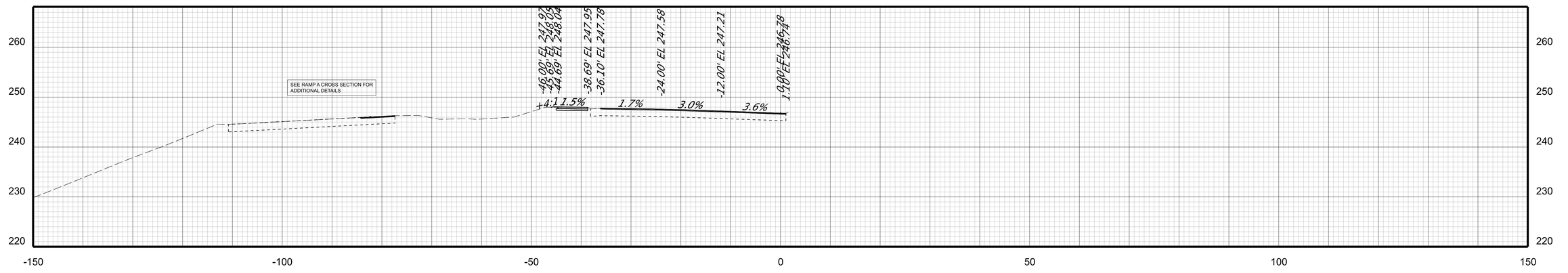
Prince William Parkway



STA 18+75.00



STA 18+50.00



STA 18+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X114

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

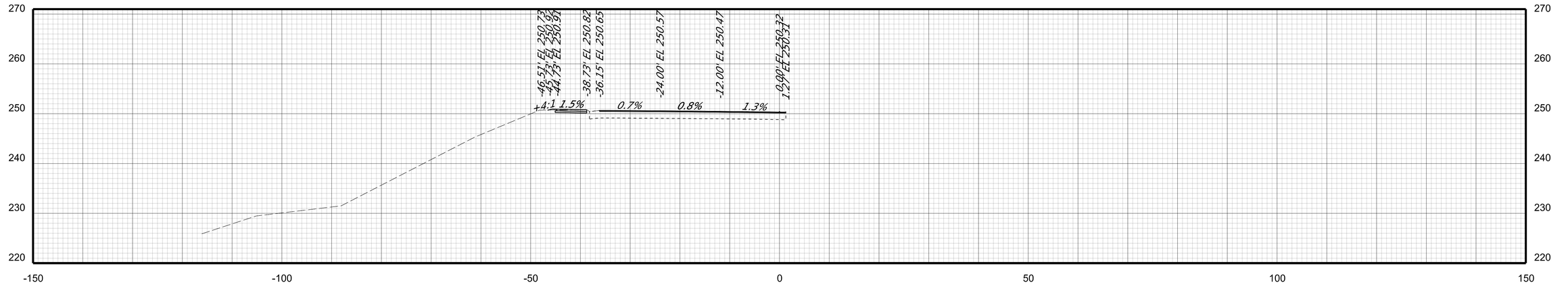
CROSS SECTIONS

SCALE 1 IN. = 10 FT

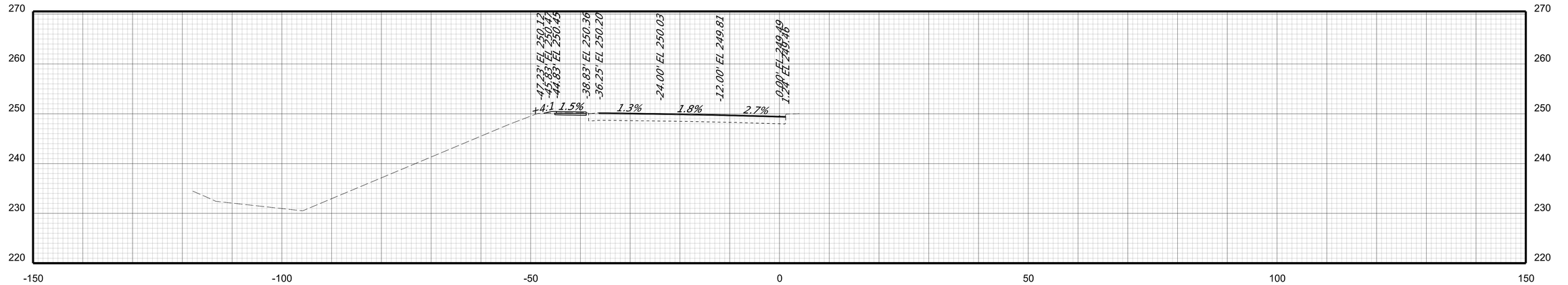
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X115

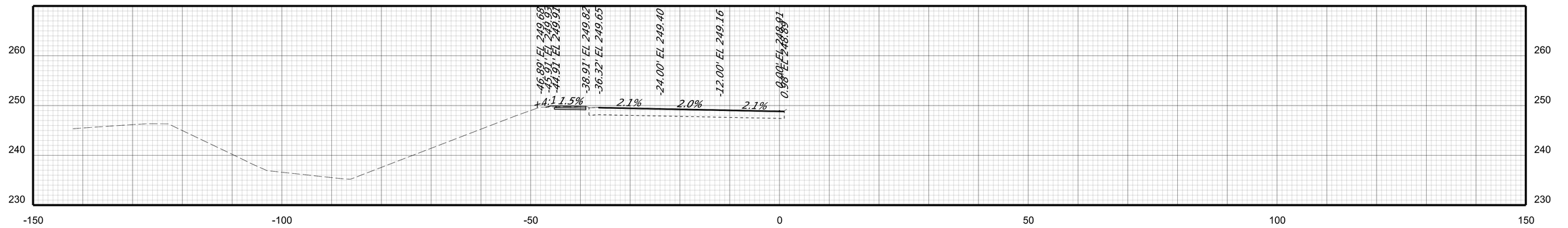
Prince William Parkway



STA 19+50.00



STA 19+25.00



STA 19+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X115

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

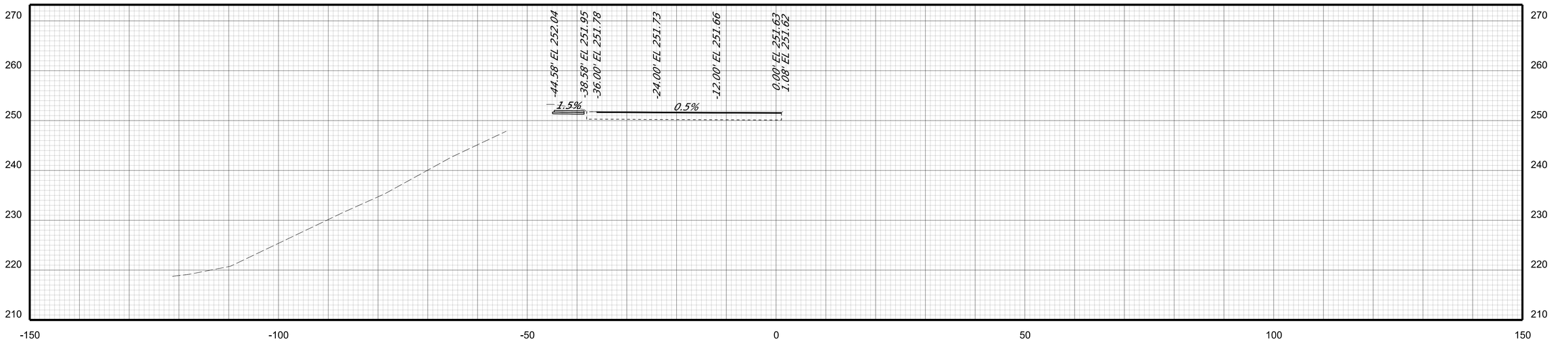
CROSS SECTIONS

SCALE 1 IN. = 10 FT

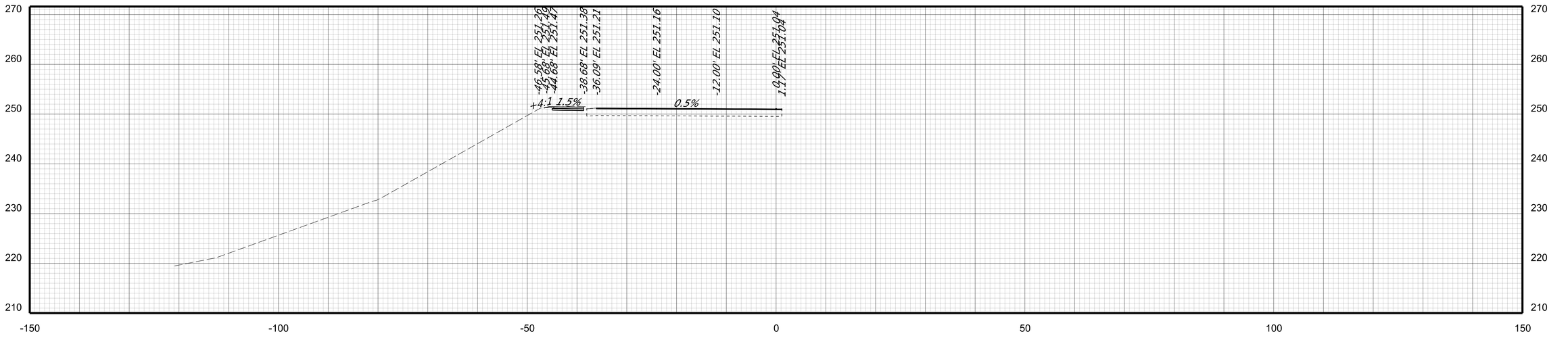
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X116

Prince William Parkway



STA 20+00.00



STA 19+75.00

6/28/2024

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X116

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

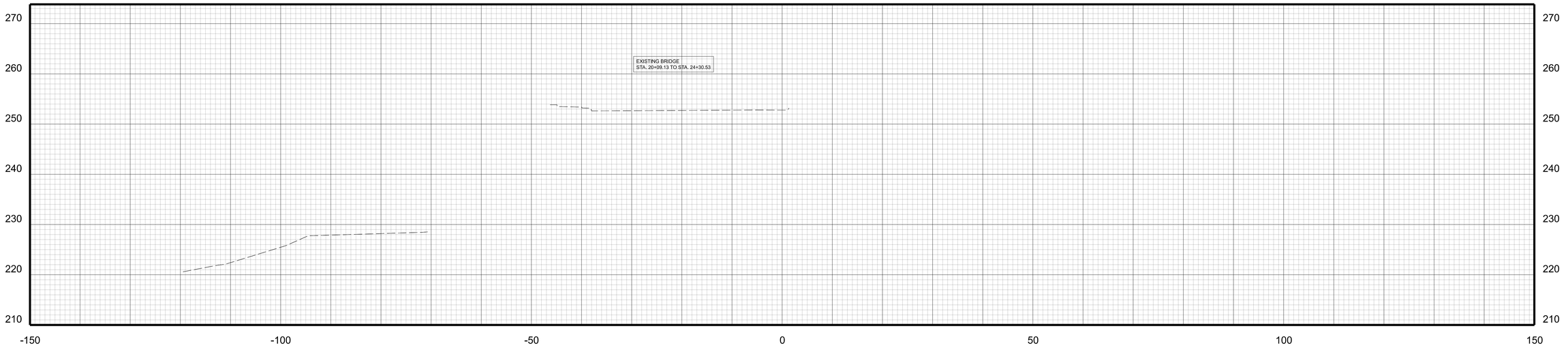
CROSS SECTIONS

SCALE 1 IN. = 10 FT

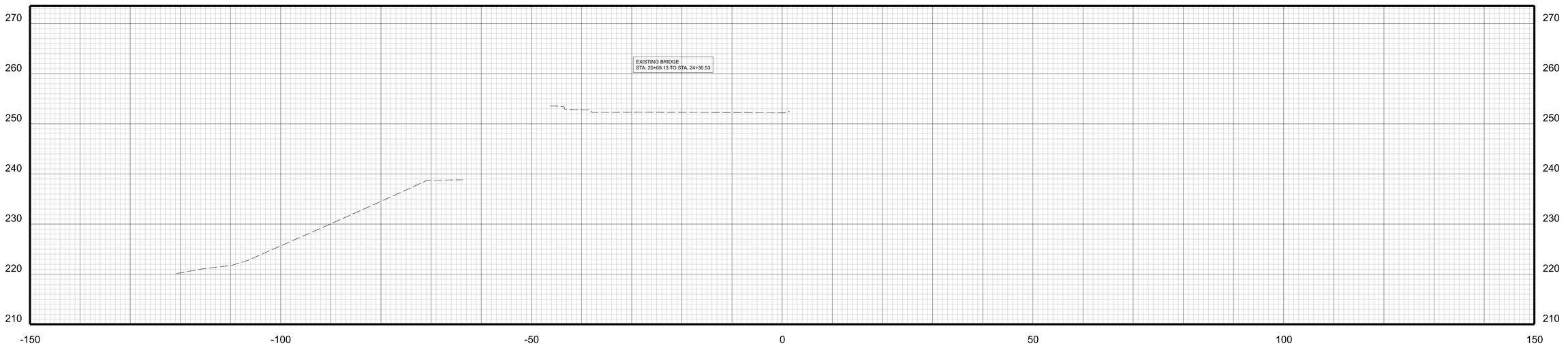
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	294	0294-076-247 C-501, PE-101	X117

Prince William Parkway



STA 20+50.00



STA 20+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X117

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

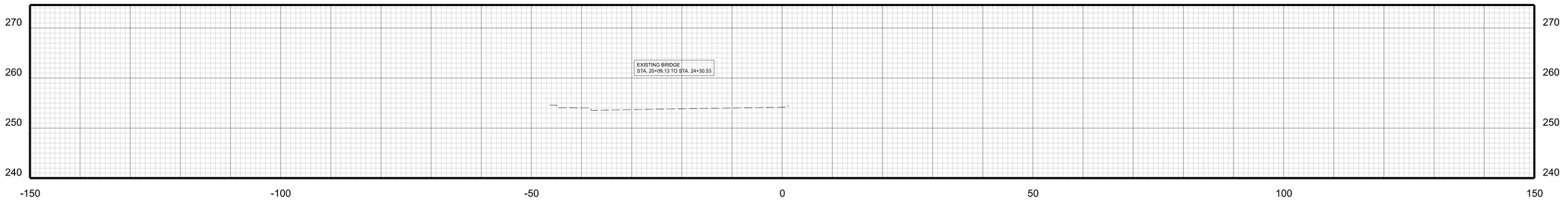
CROSS SECTIONS

SCALE 1 IN. = 10 FT

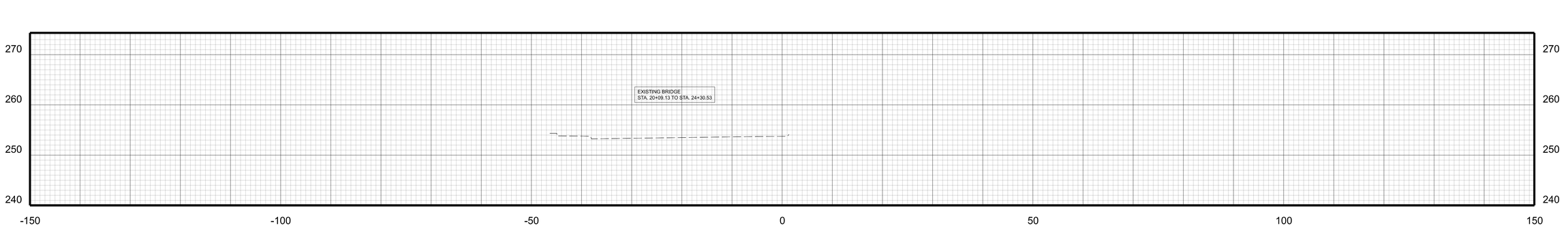
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	294	0294-076-247 C-501, PE-101	X118

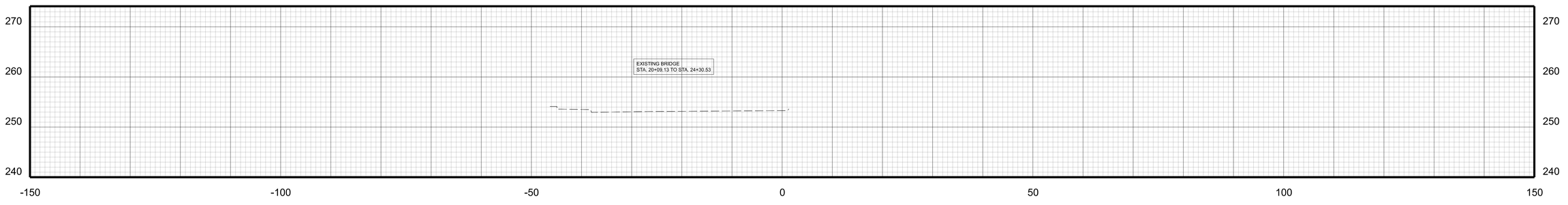
Prince William Parkway



STA 21+25.00



STA 21+00.00



STA 20+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X118

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

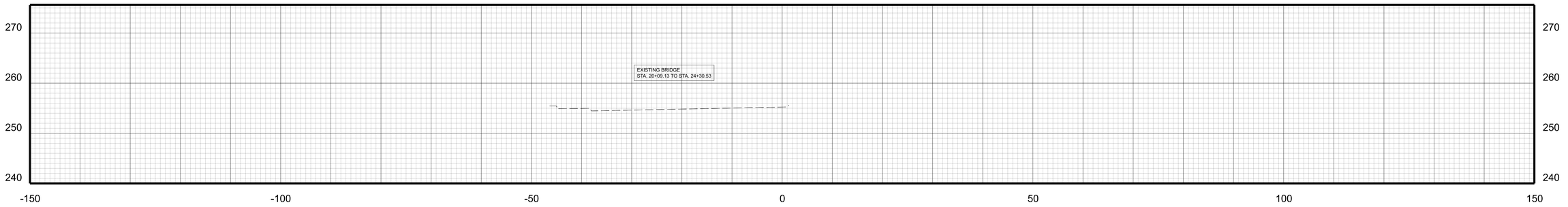
CROSS SECTIONS

SCALE 1 IN. = 10 FT

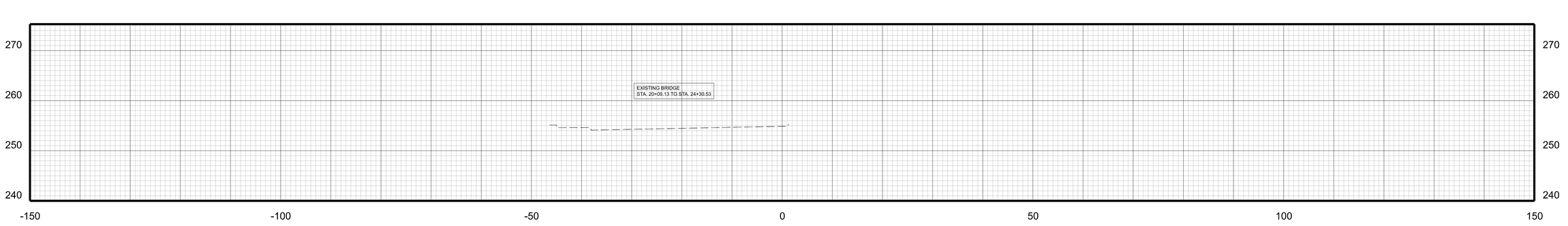
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X119

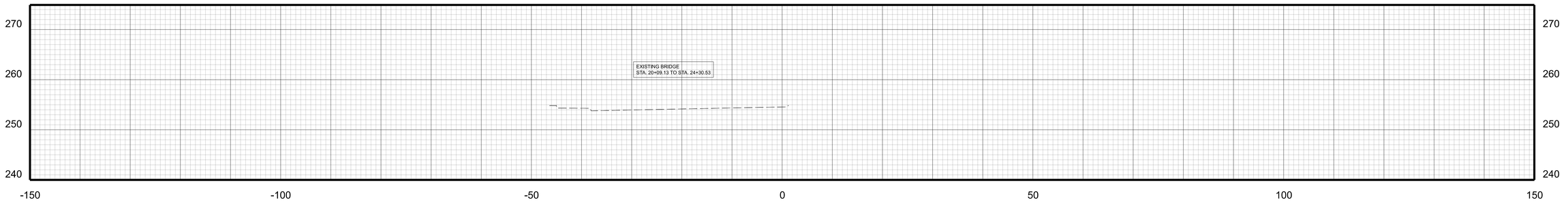
Prince William Parkway



STA 22+00.00



STA 21+75.00



STA 21+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X119

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

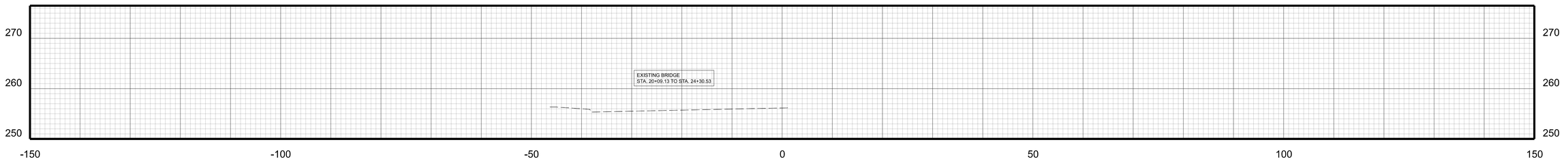
CROSS SECTIONS

SCALE 1 IN. = 10 FT

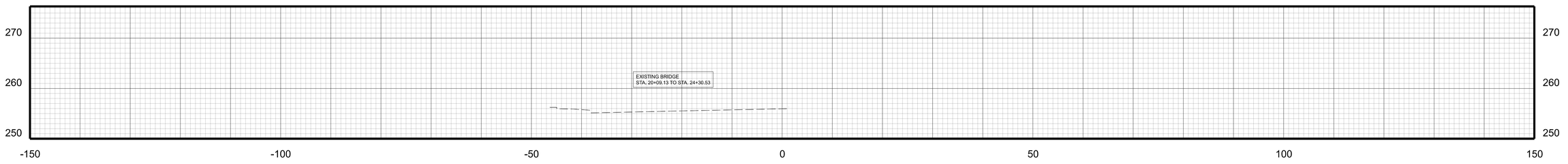
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X120

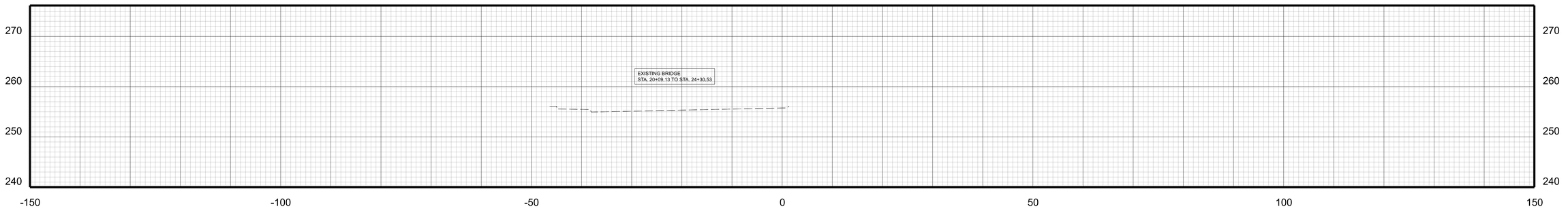
Prince William Parkway



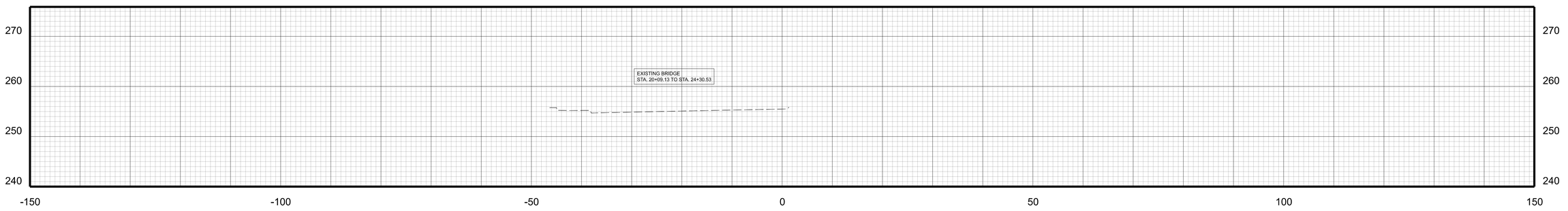
STA 23+00.00



STA 22+75.00



STA 22+50.00



STA 22+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X120

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

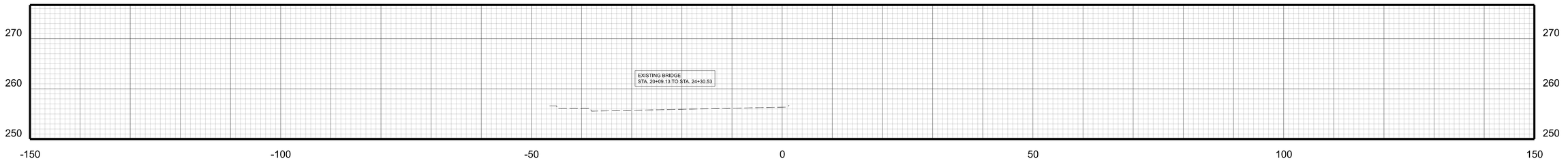
CROSS SECTIONS

SCALE 1 IN. = 10 FT

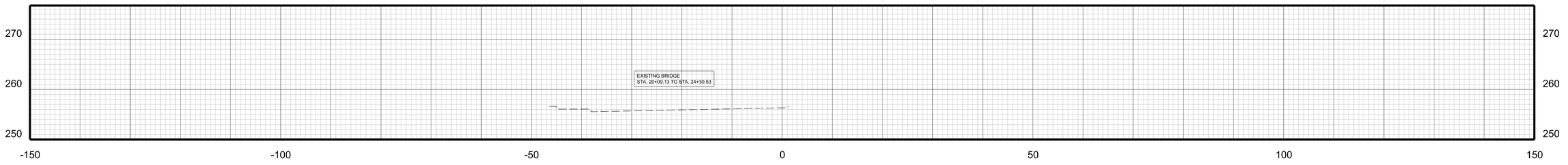
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X121

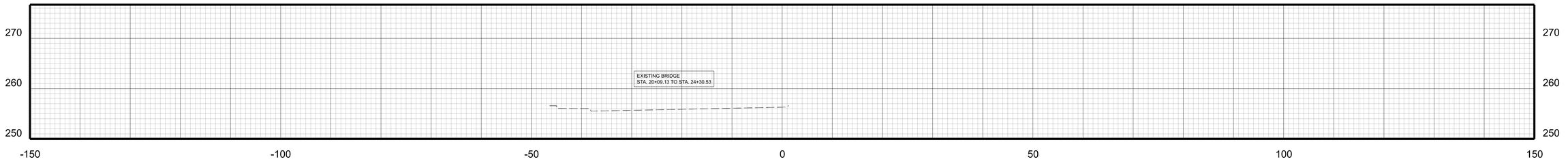
Prince William Parkway



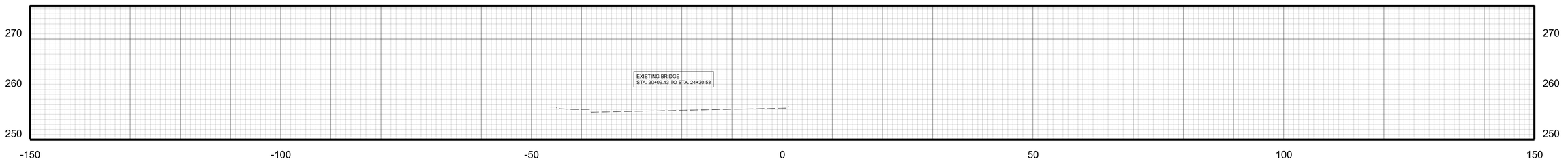
STA 24+00.00



STA 23+75.00



STA 23+50.00



STA 23+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X121

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

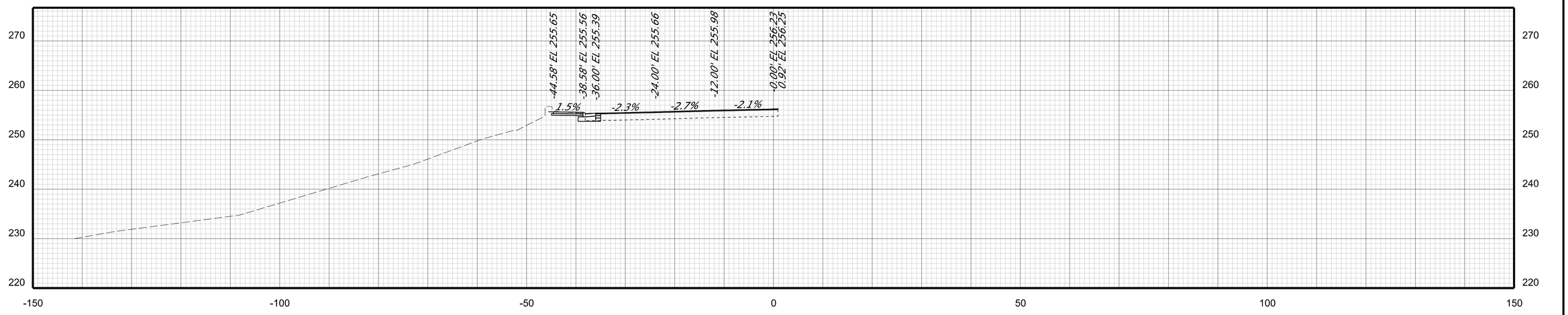
CROSS SECTIONS

SCALE 1 IN. = 10 FT

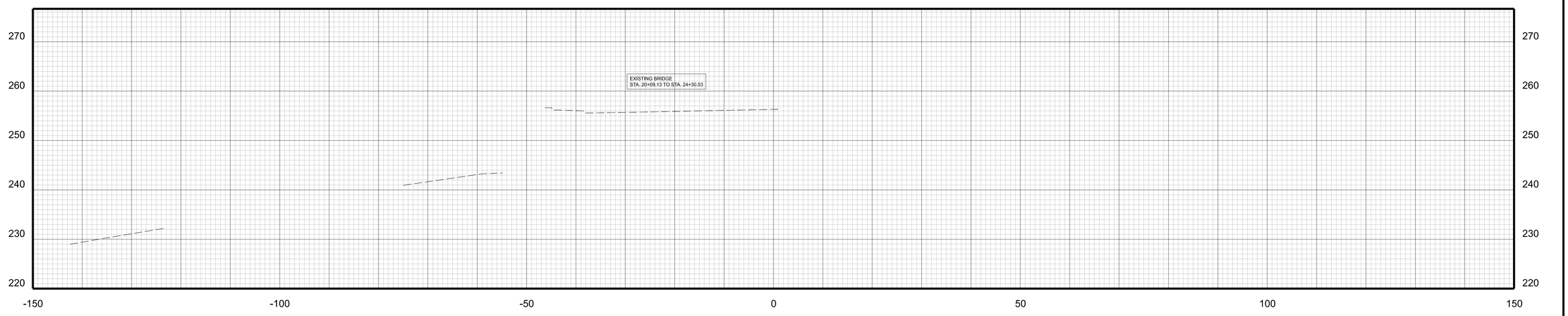
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X122

Prince William Parkway



STA 24+50.00



STA 24+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X122

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

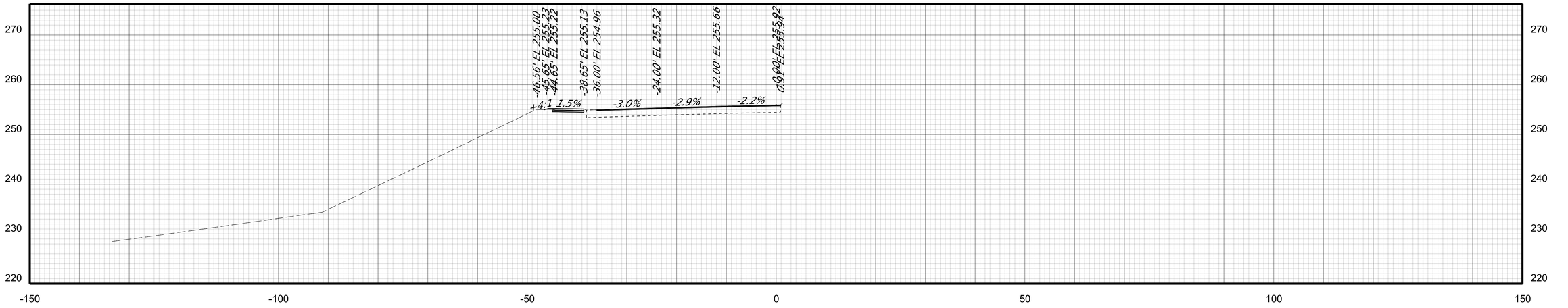
CROSS SECTIONS

SCALE 1 IN. = 10 FT

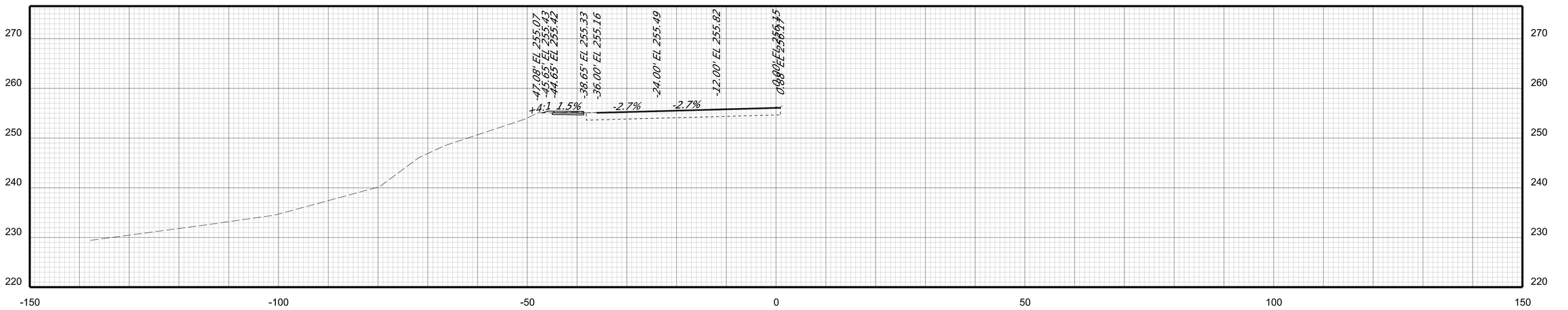
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X123

Prince William Parkway



STA 25+00.00



STA 24+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X123

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

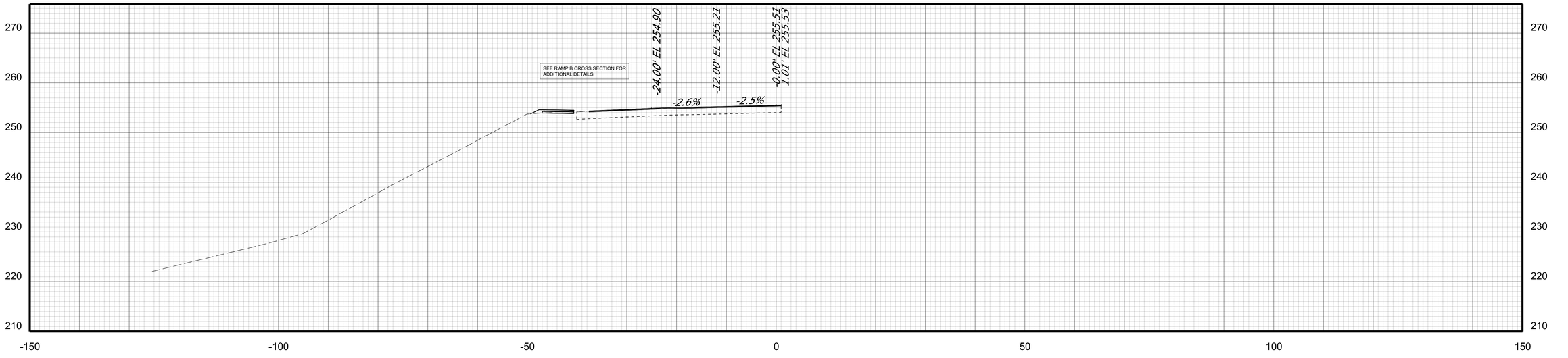
CROSS SECTIONS

SCALE 1 IN. = 10 FT

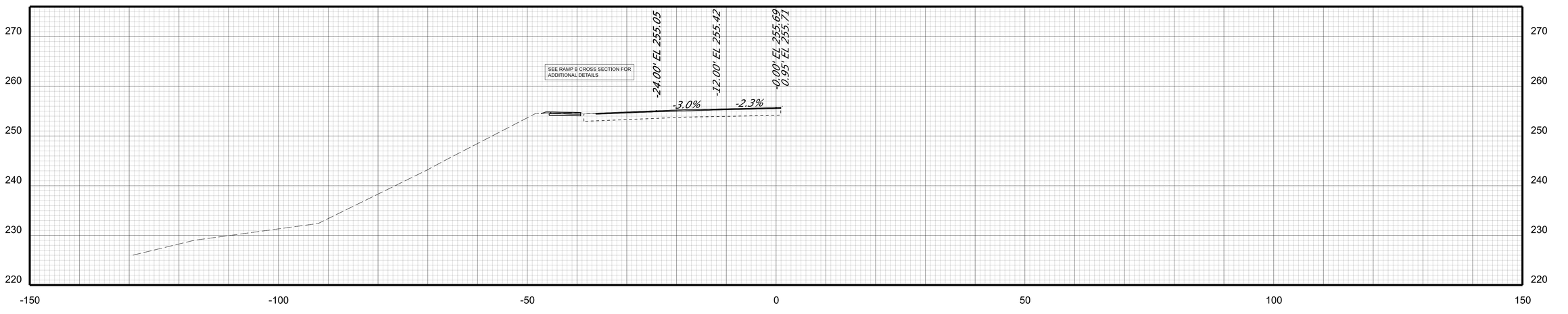
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X124

Prince William Parkway



STA 25+50.00



STA 25+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X124

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

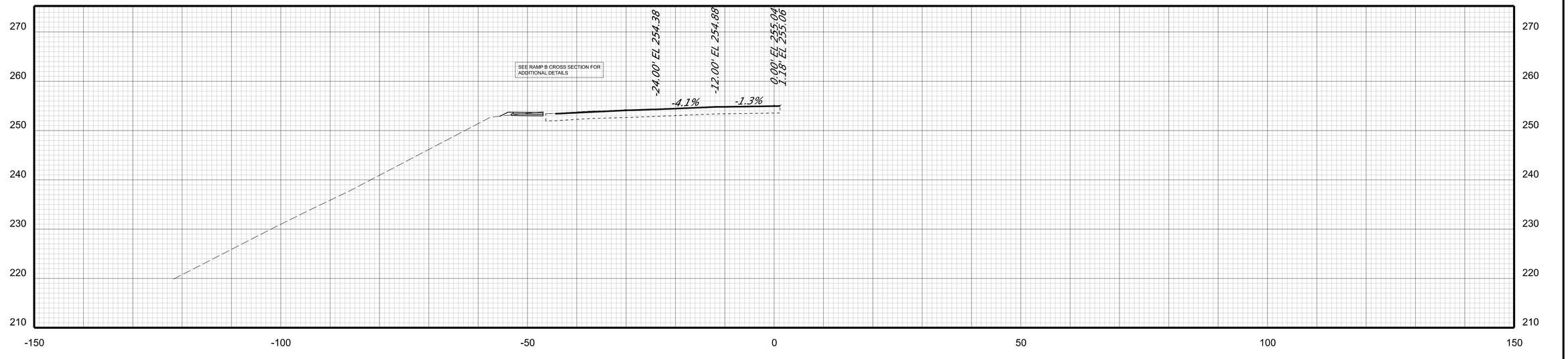
CROSS SECTIONS

SCALE 1 IN. = 10 FT

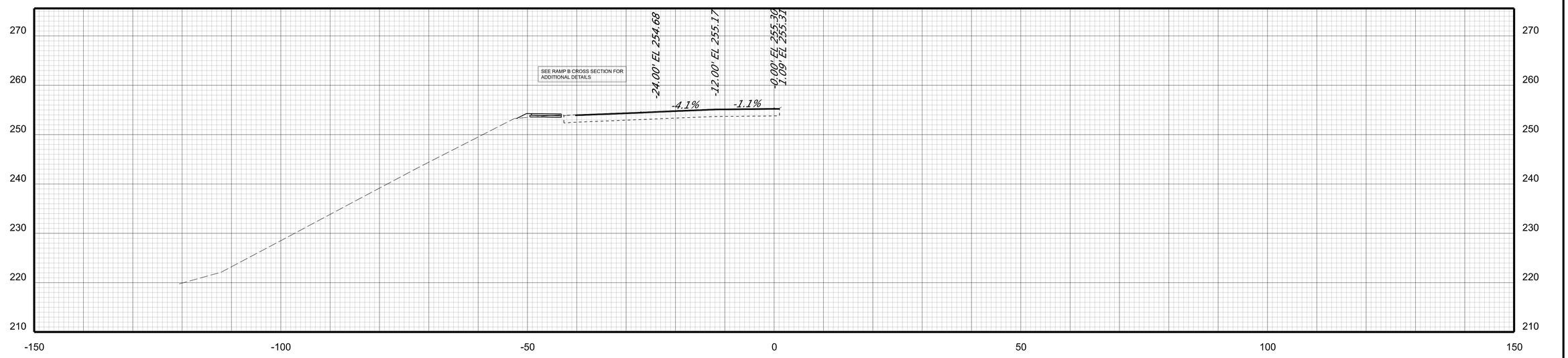
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X125

Prince William Parkway



STA 26+00.00



STA 25+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X125

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

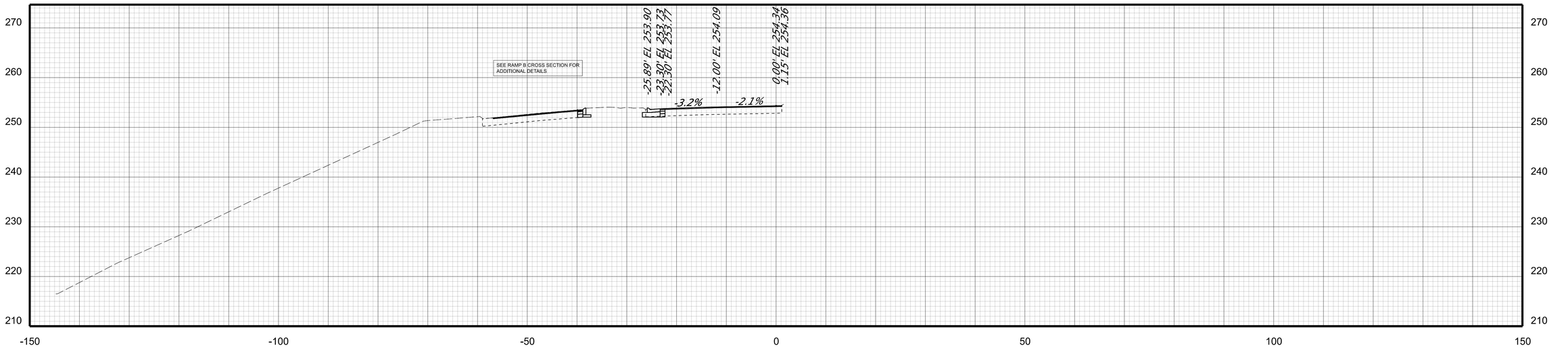
CROSS SECTIONS

SCALE 1 IN. = 10 FT

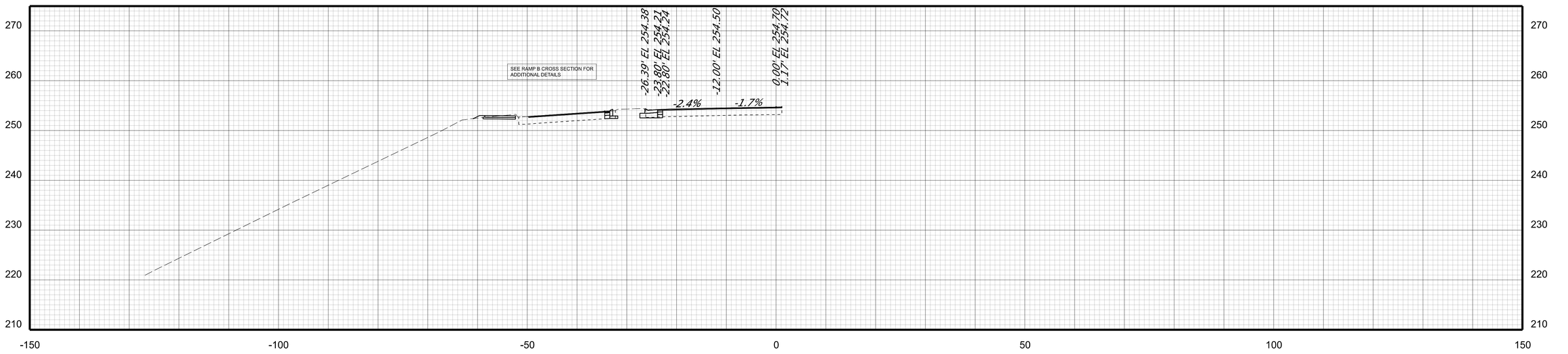
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X126

Prince William Parkway



STA 26+50.00



STA 26+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X126

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

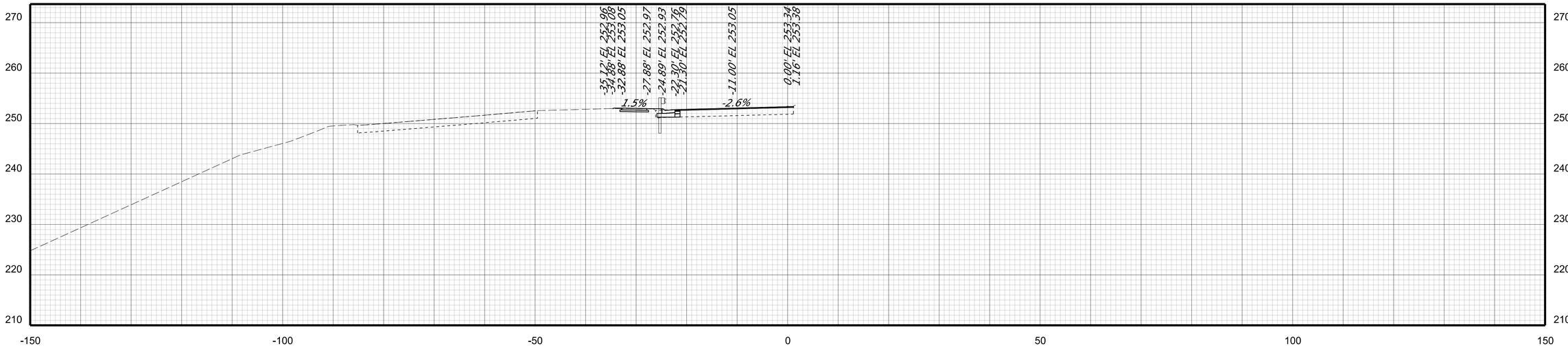
CROSS SECTIONS

SCALE 1 IN. = 10 FT

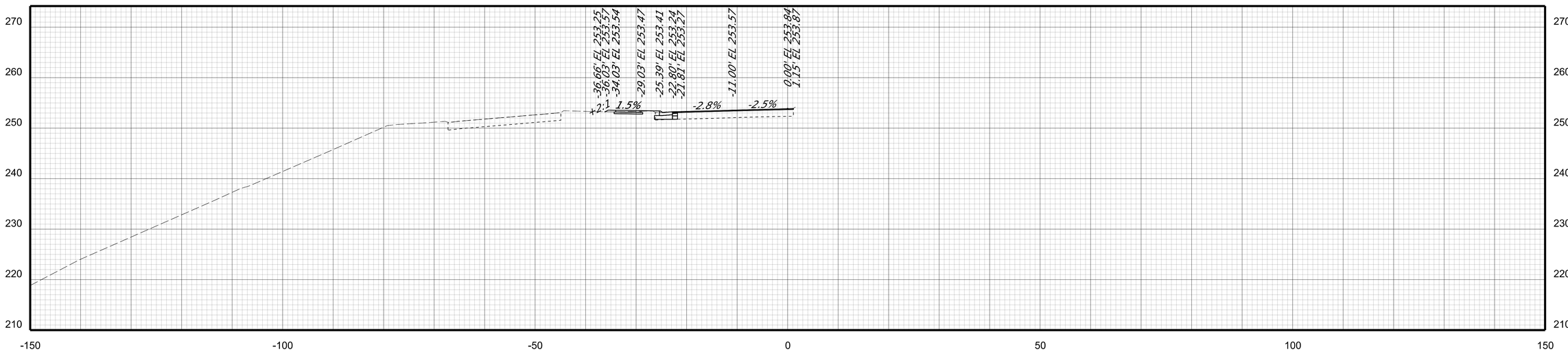
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X127

Prince William Parkway



STA 27+00.00



STA 26+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X127

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

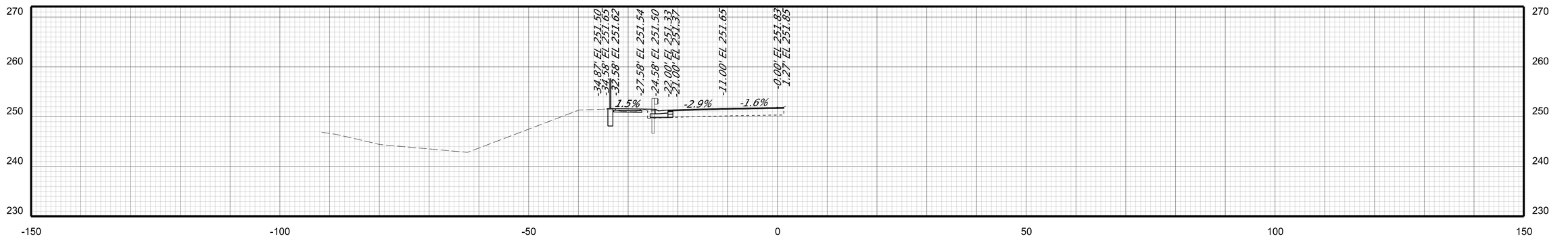
CROSS SECTIONS

SCALE 1 IN. = 10 FT

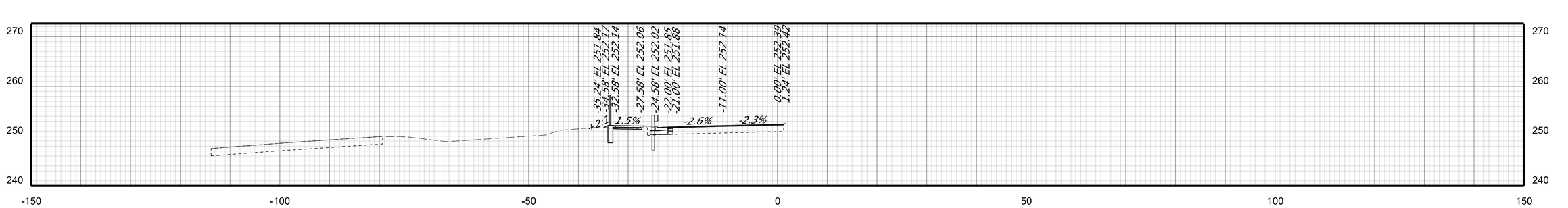
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X128

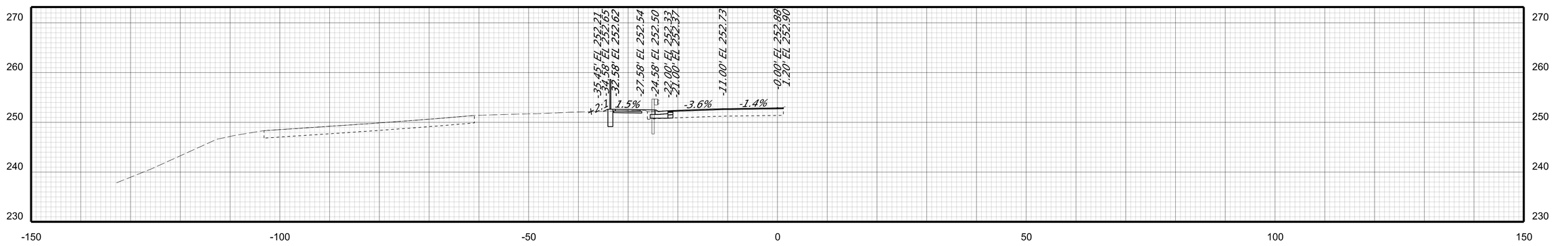
Prince William Parkway



STA 27+75.00



STA 27+50.00



STA 27+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X128

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

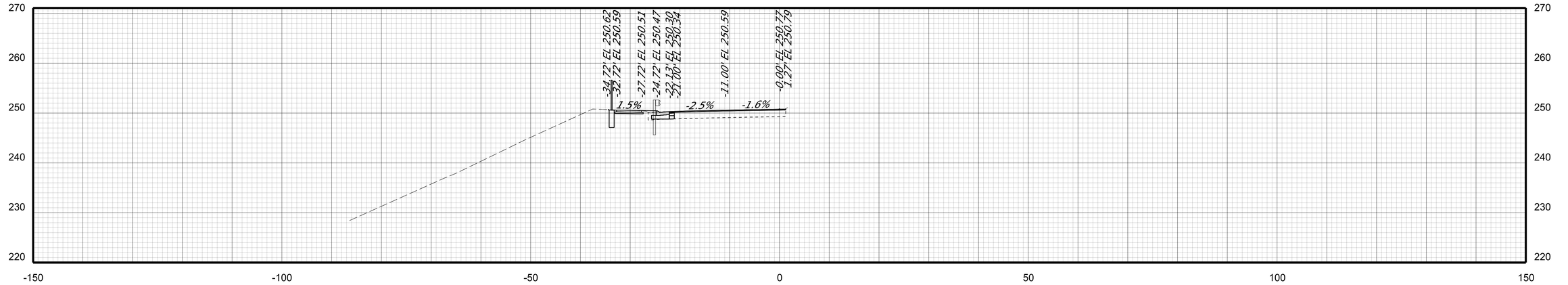
CROSS SECTIONS

SCALE 1 IN. = 10 FT

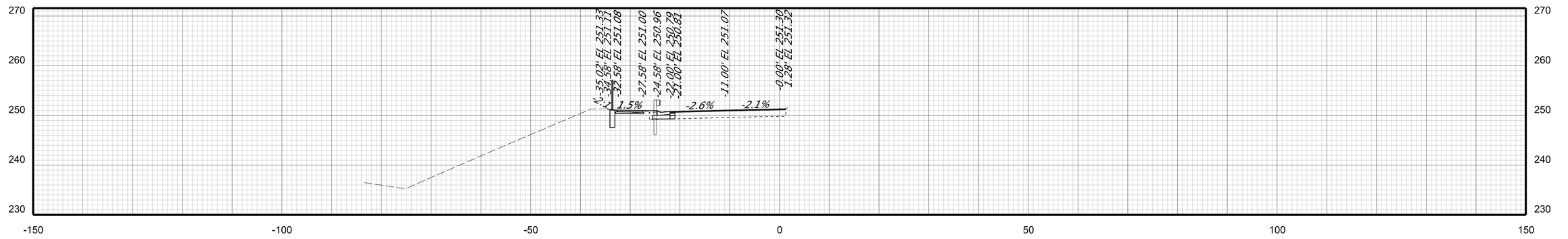
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X129

Prince William Parkway



STA 28+25.00



STA 28+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X129

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

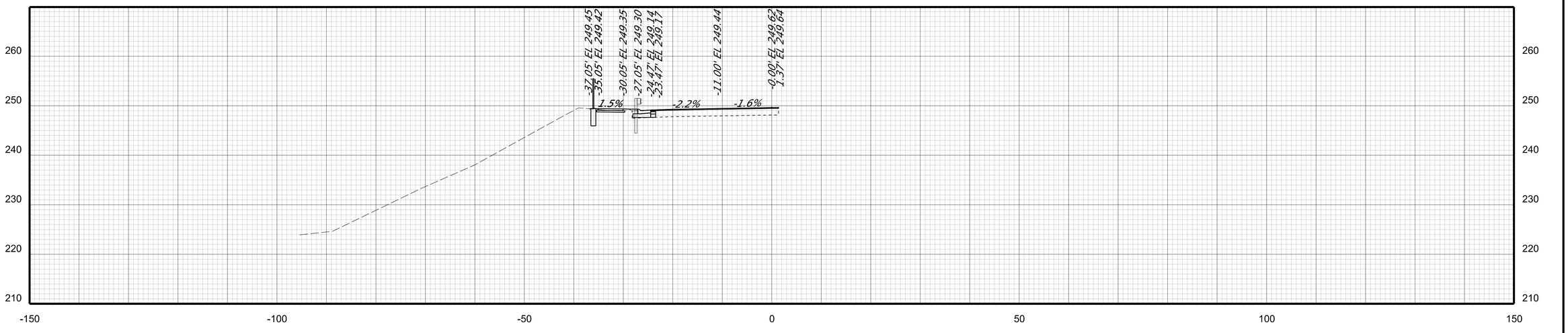
CROSS SECTIONS

SCALE 1 IN. = 10 FT

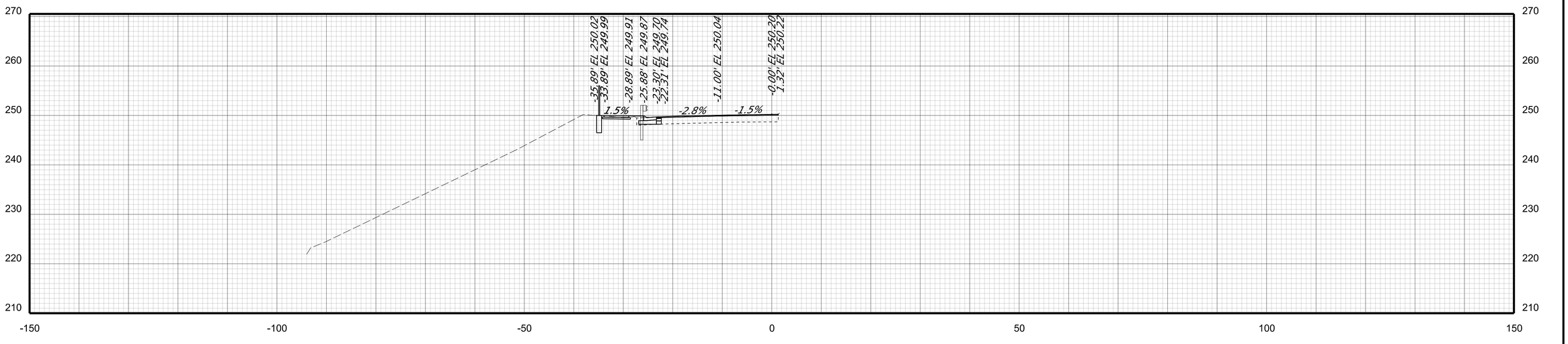
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X130

Prince William Parkway



STA 28+75.00



STA 28+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X130

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

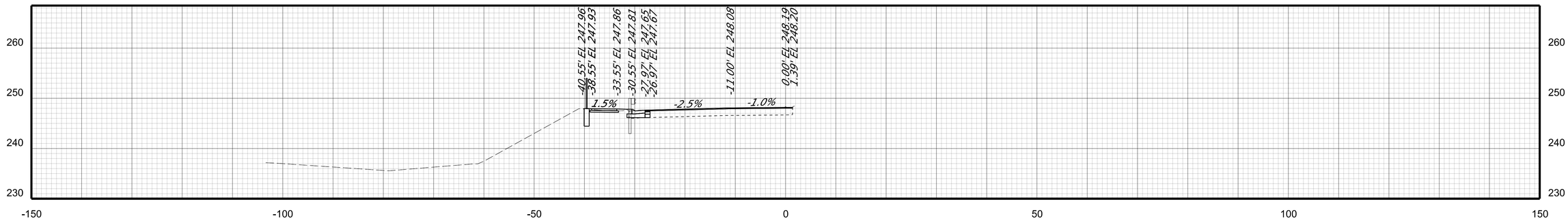
CROSS SECTIONS

SCALE 1 IN. = 10 FT

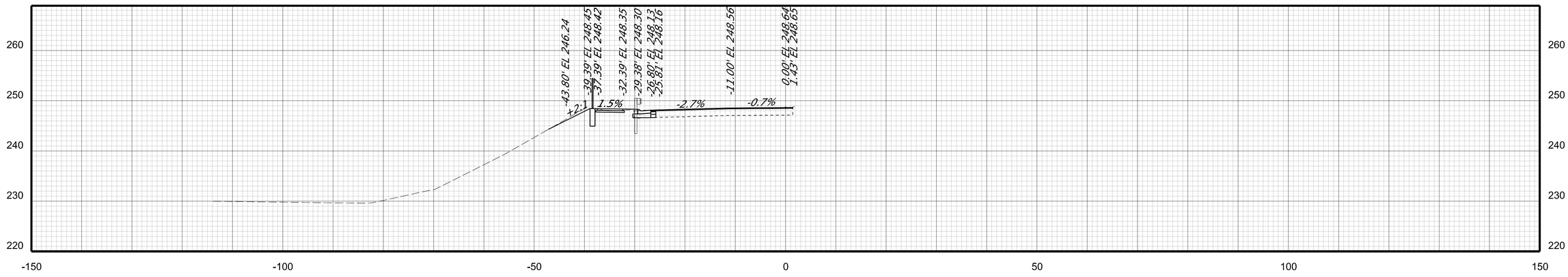
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X131

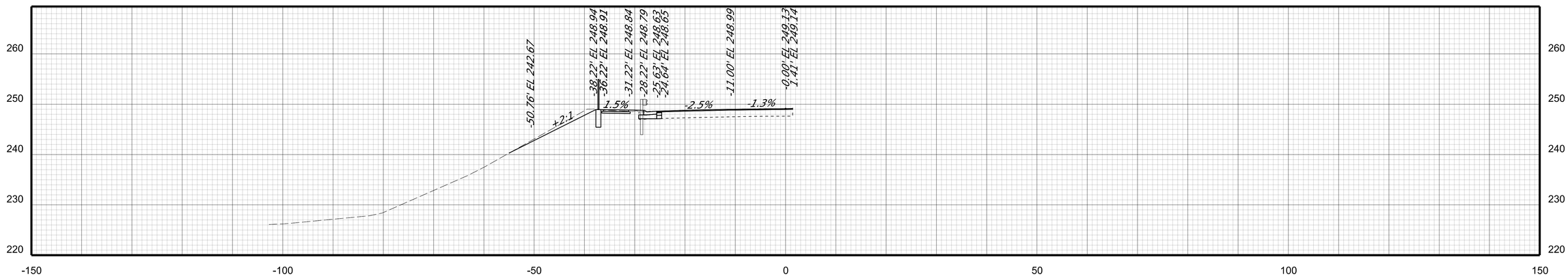
Prince William Parkway



STA 29+50.00



STA 29+25.00



STA 29+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X131

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

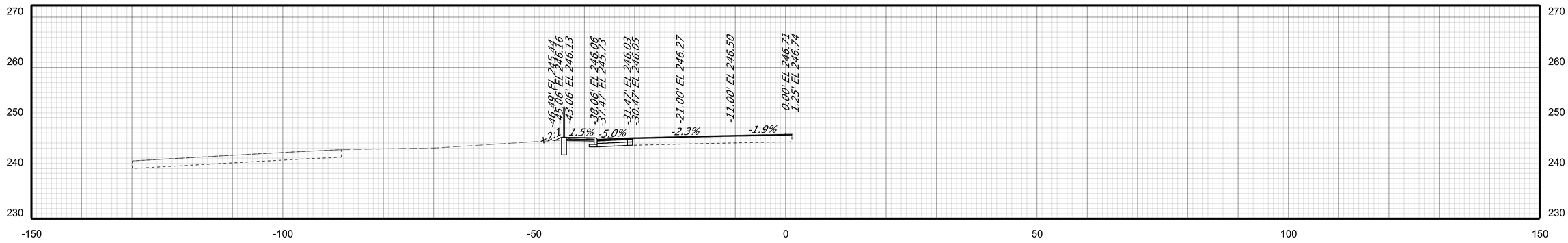
CROSS SECTIONS

SCALE 1 IN. = 10 FT

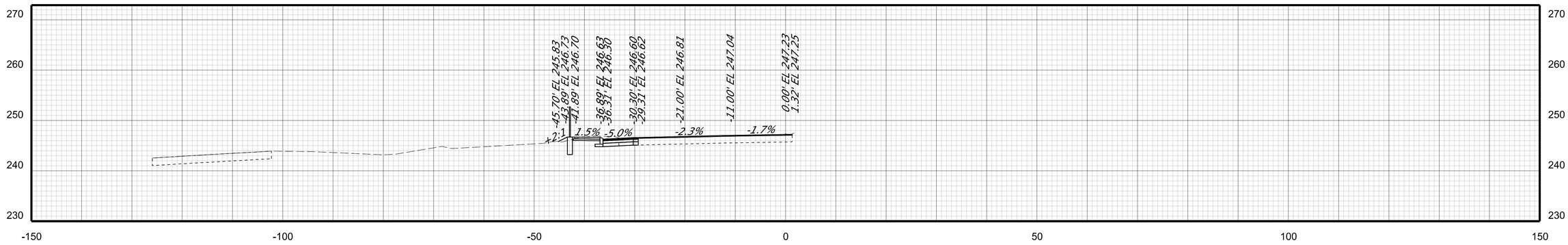
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X132

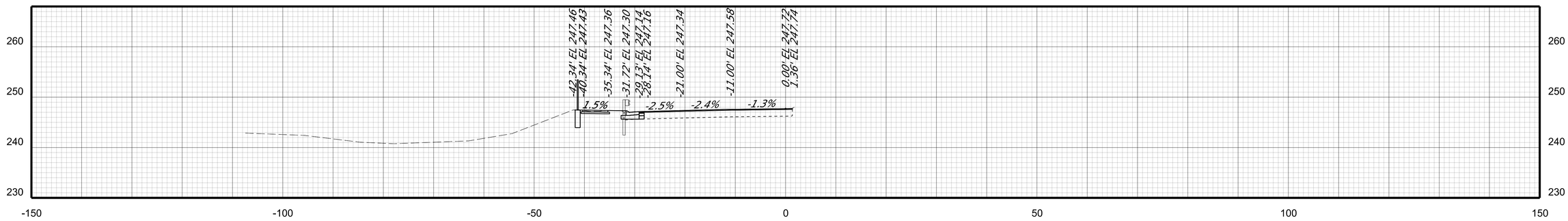
Prince William Parkway



STA 30+25.00



STA 30+00.00



STA 29+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X132

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

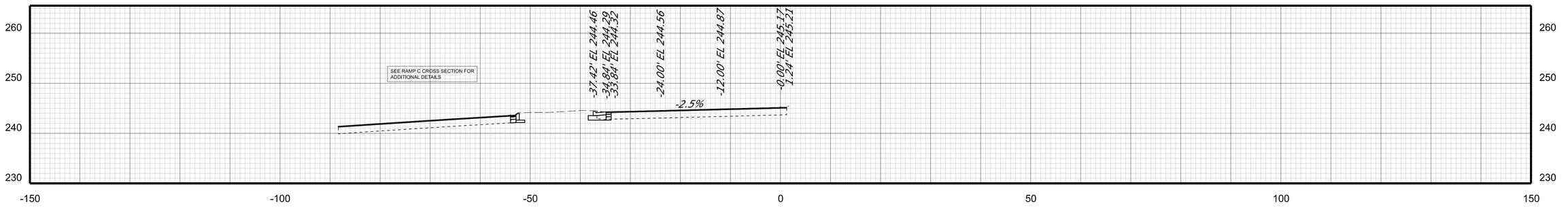
CROSS SECTIONS

SCALE 1 IN. = 10 FT

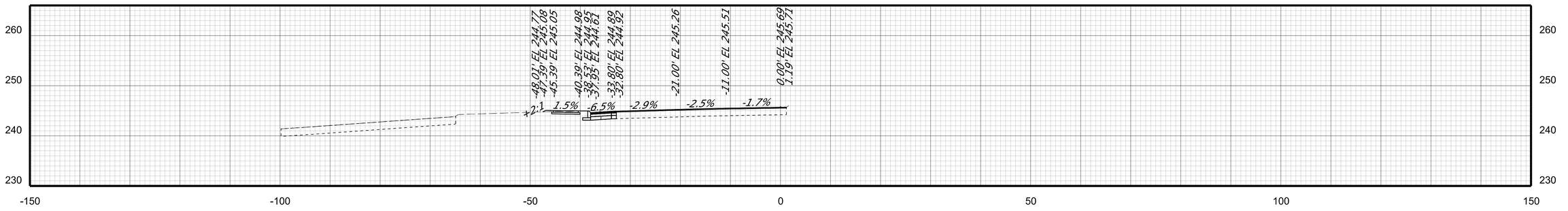
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X133

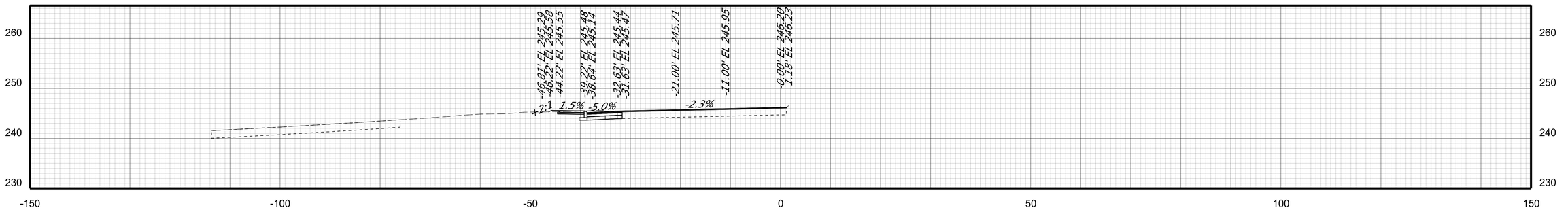
Prince William Parkway



STA 31+00.00



STA 30+75.00



STA 30+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247	X133
PWCDOT PROJECT NO.	
SPR2024-00364	

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

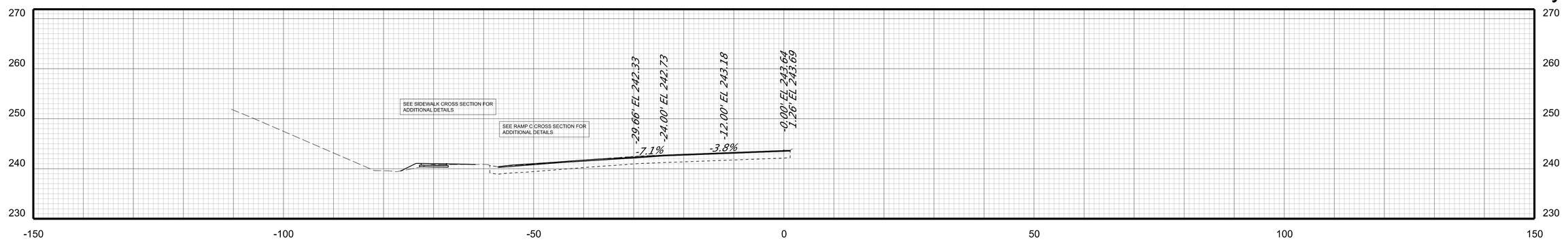
CROSS SECTIONS

SCALE 1 IN. = 10 FT

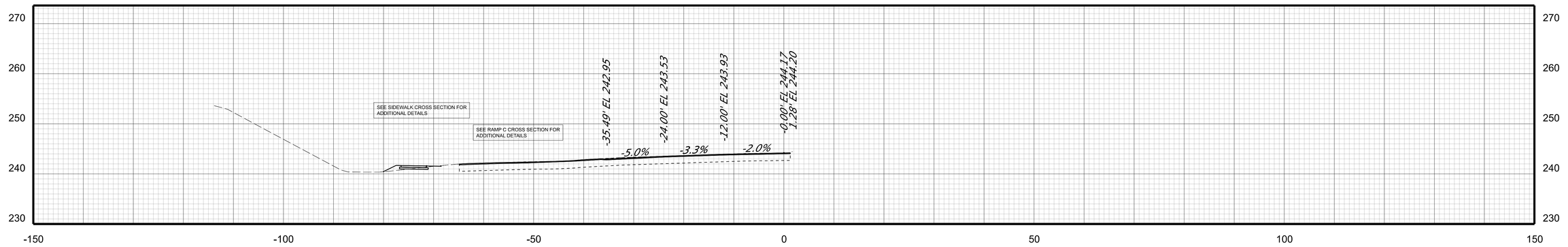
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X134

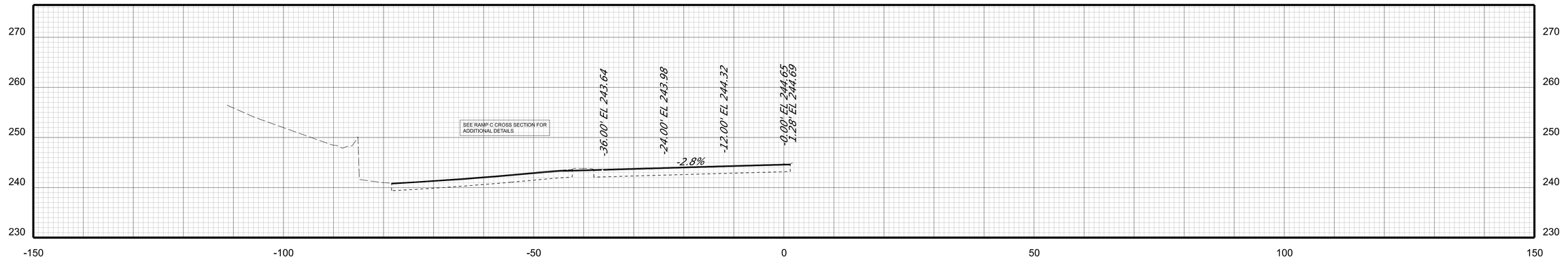
Prince William Parkway



STA 31+75.00



STA 31+50.00



STA 31+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X134

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

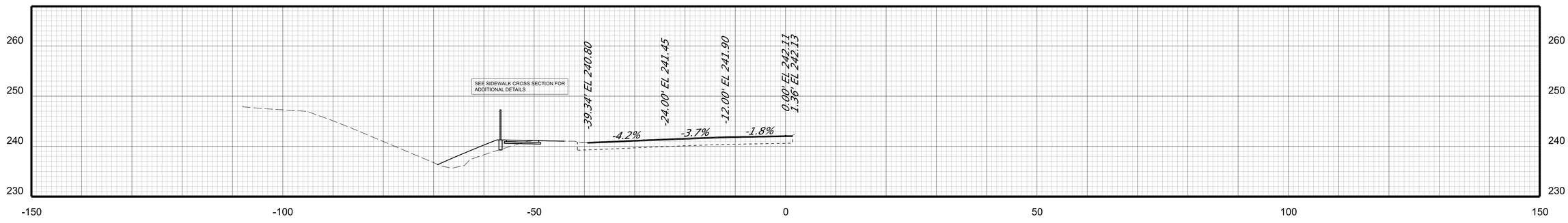
CROSS SECTIONS

SCALE 1 IN. = 10 FT

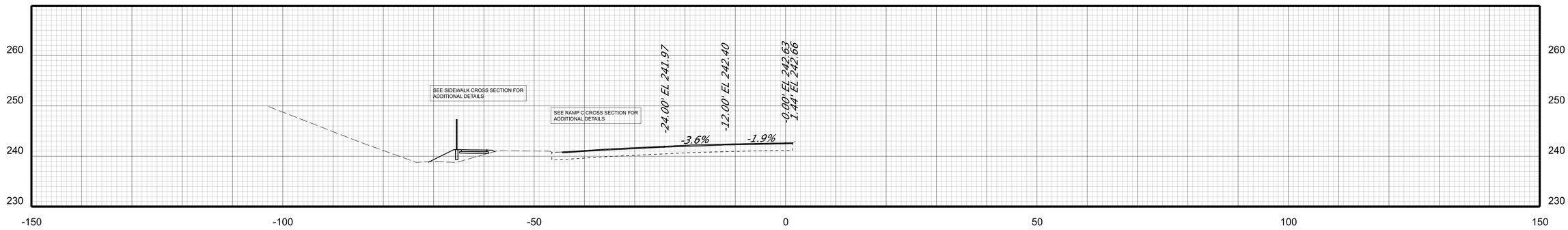
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X135

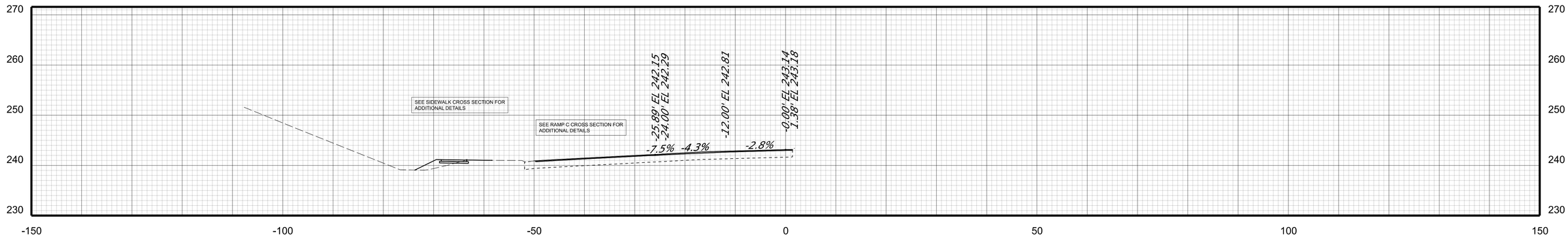
Prince William Parkway



STA 32+50.00



STA 32+25.00



STA 32+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X135

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

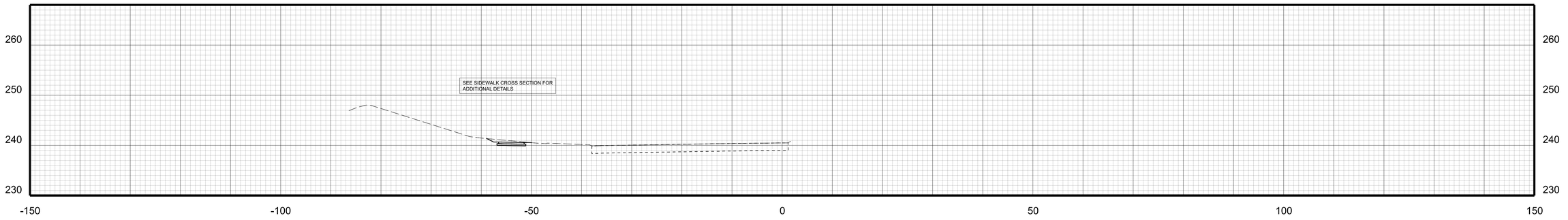
CROSS SECTIONS

SCALE 1 IN. = 10 FT

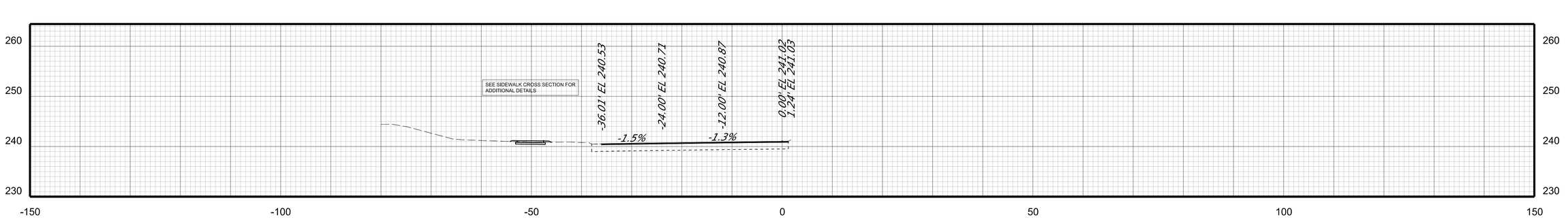
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X136

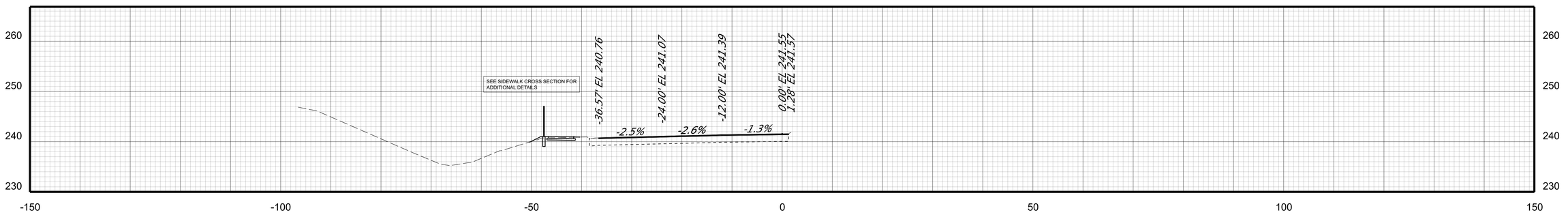
Prince William Parkway



STA 33+25.00



STA 33+00.00



STA 32+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X136

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

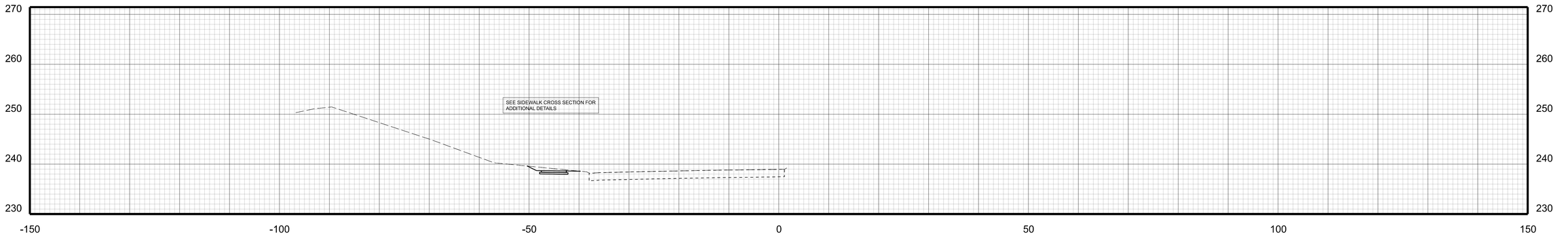
CROSS SECTIONS

SCALE 1 IN. = 10 FT

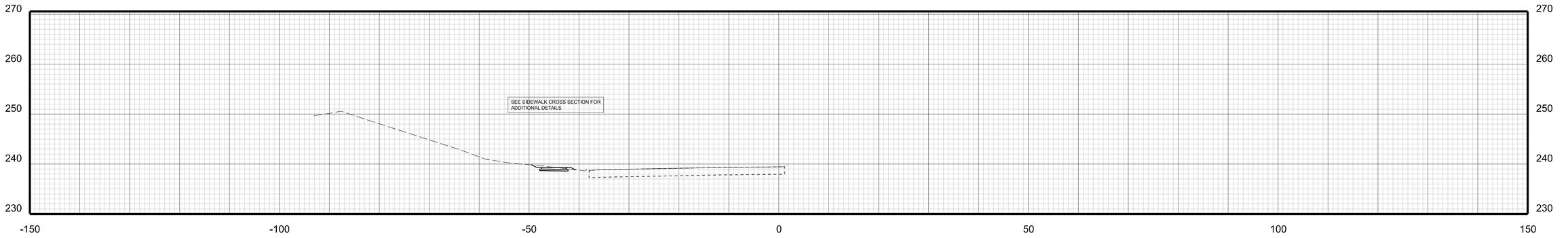
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X137

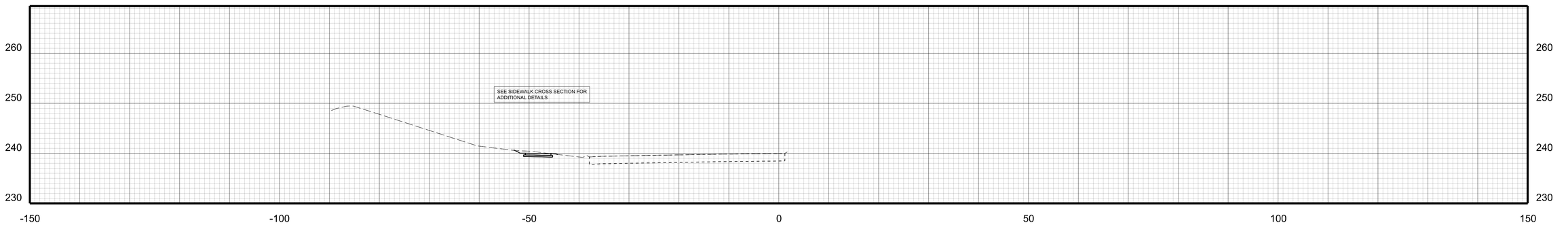
Prince William Parkway



STA 34+00.00



STA 33+75.00



STA 33+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X137

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

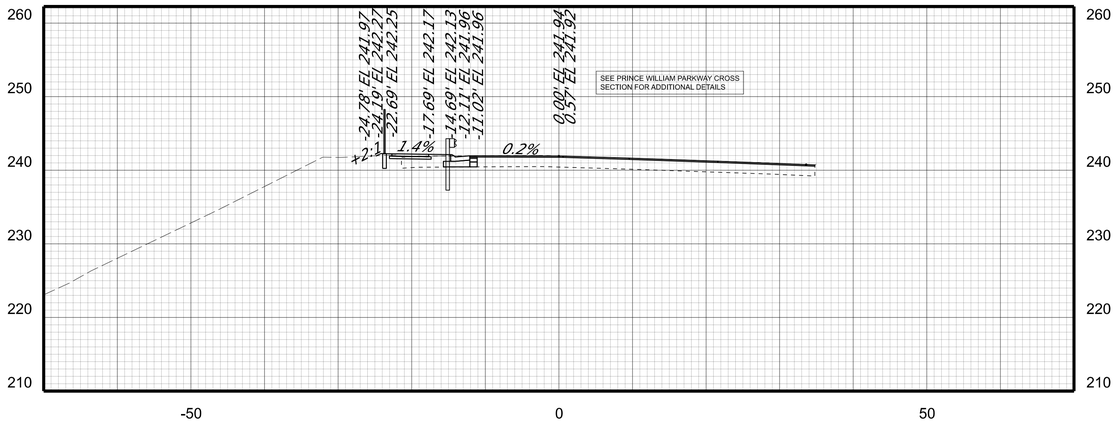
CROSS SECTIONS

SCALE 1 IN. = 10 FT

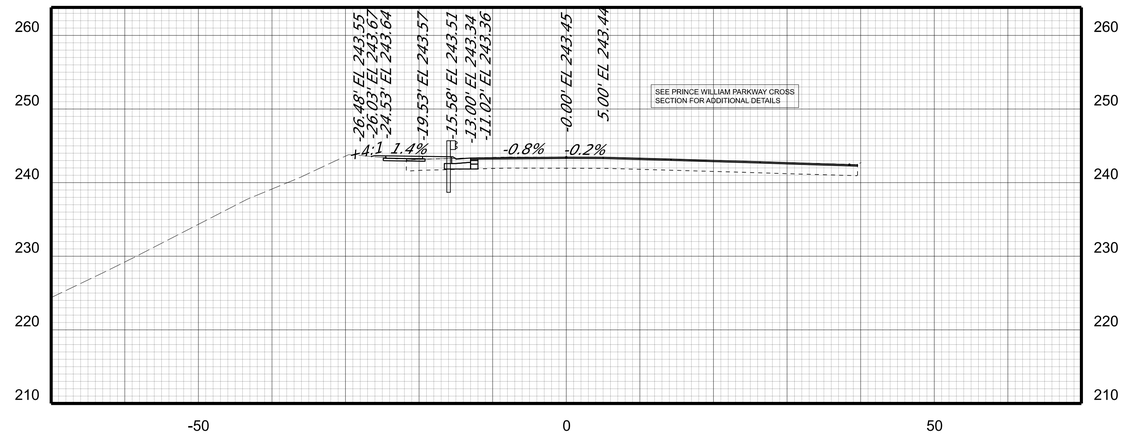
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X200

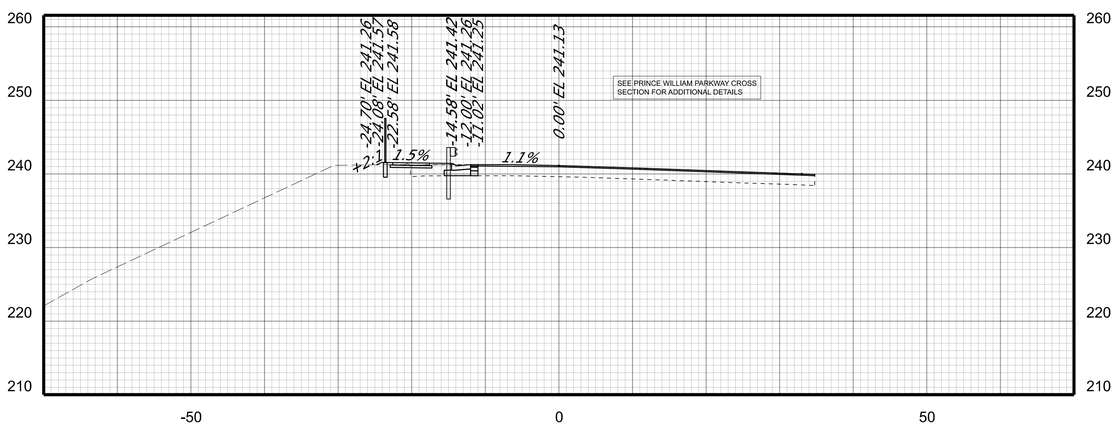
Ramp A



STA 20+25.00



STA 20+75.00



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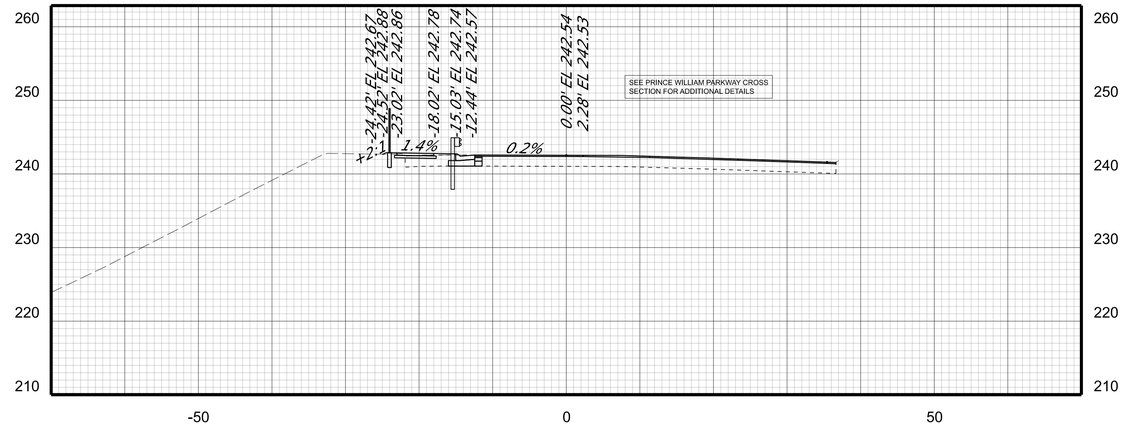


STA 20+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X200

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

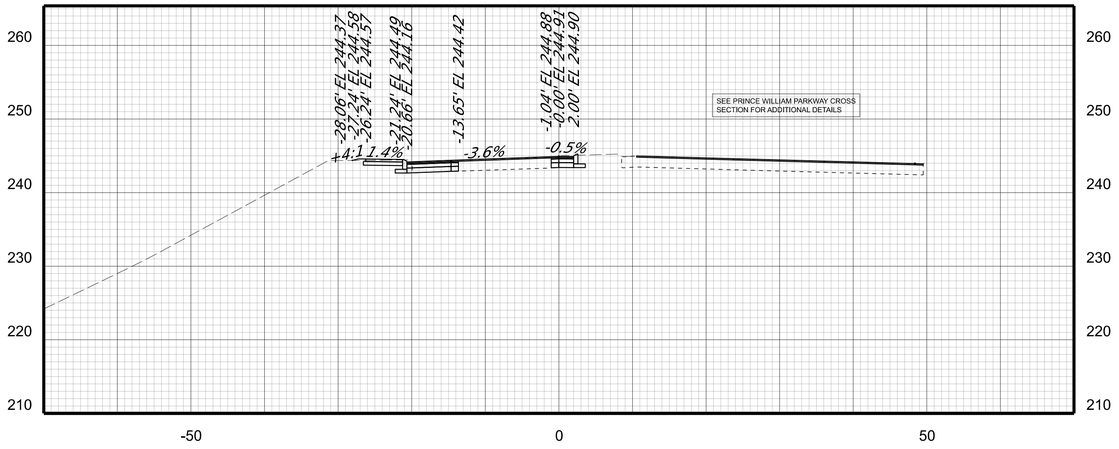
CROSS SECTIONS

SCALE 1 IN. = 10 FT

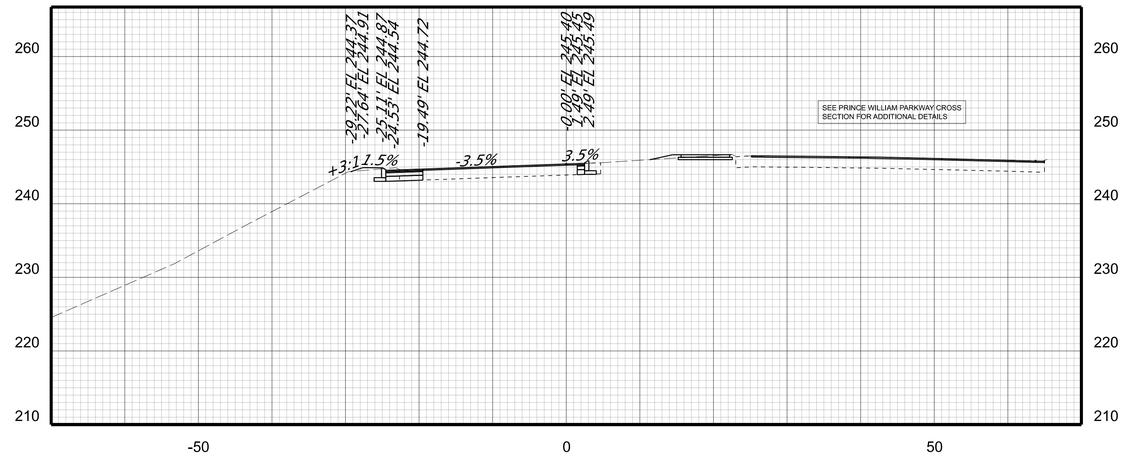
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X201

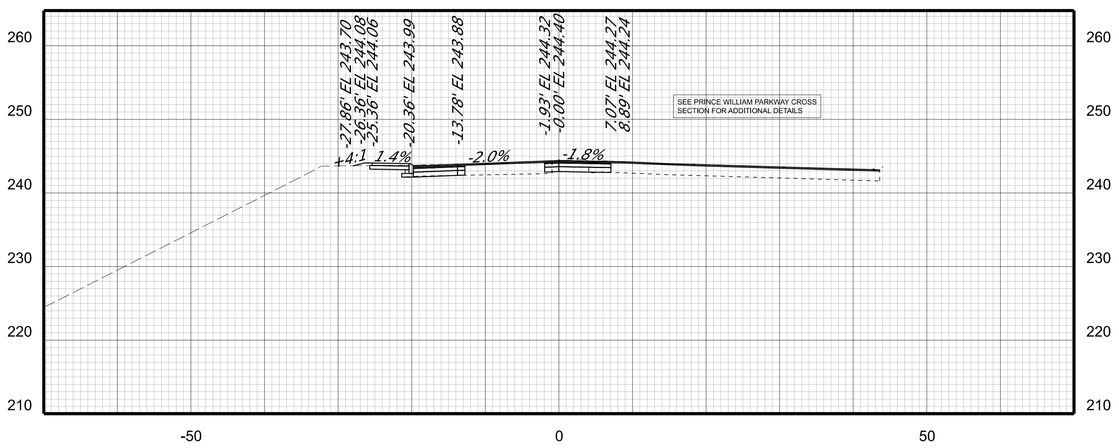
Ramp A



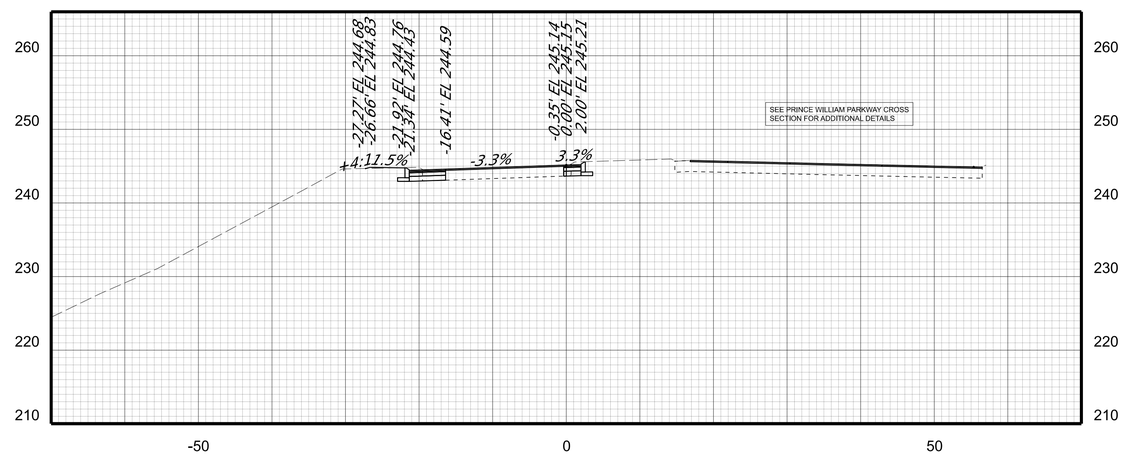
STA 21+25.00



STA 21+75.00



STA 21+00.00



STA 21+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X201

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

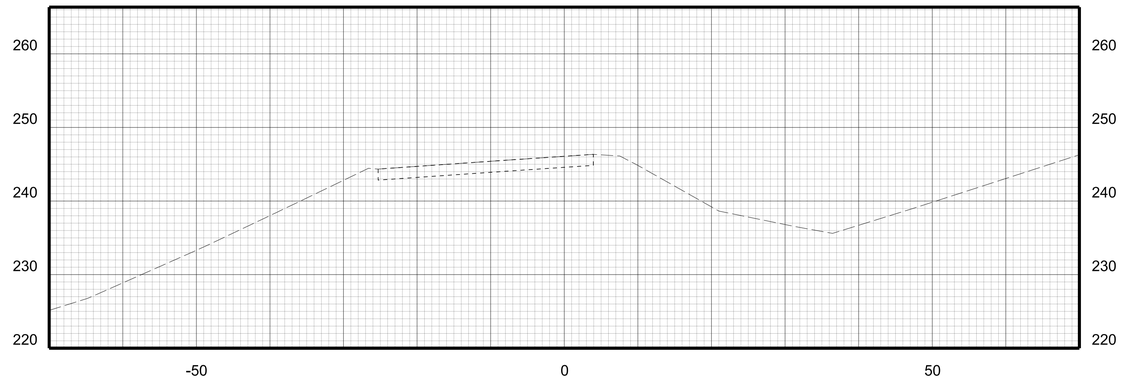
CROSS SECTIONS

SCALE 1 IN. = 10 FT

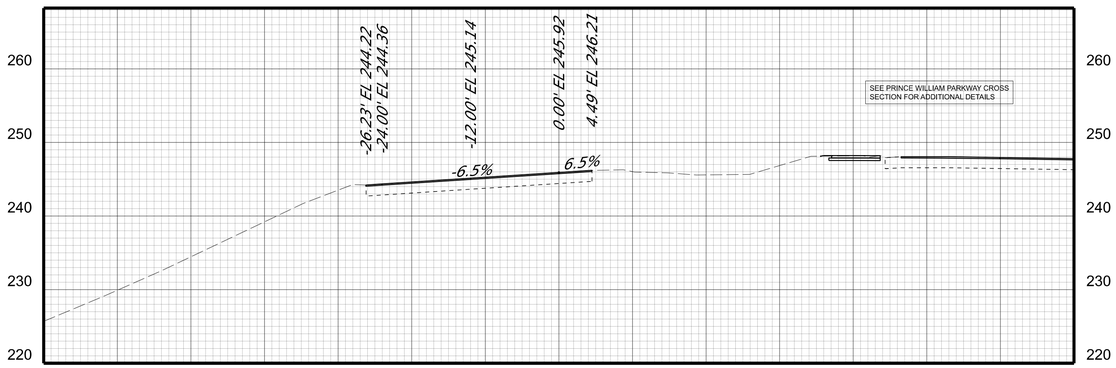
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X202

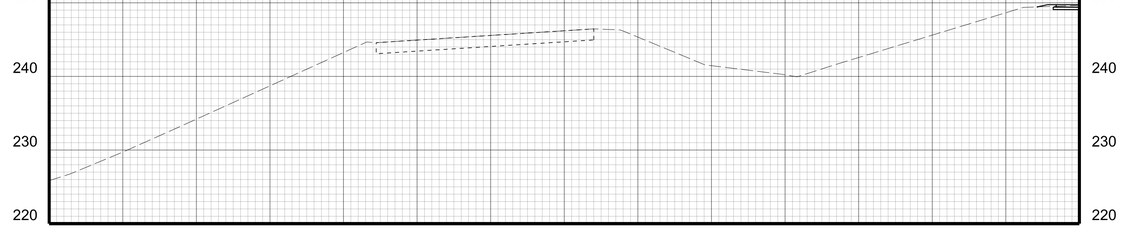
Ramp A



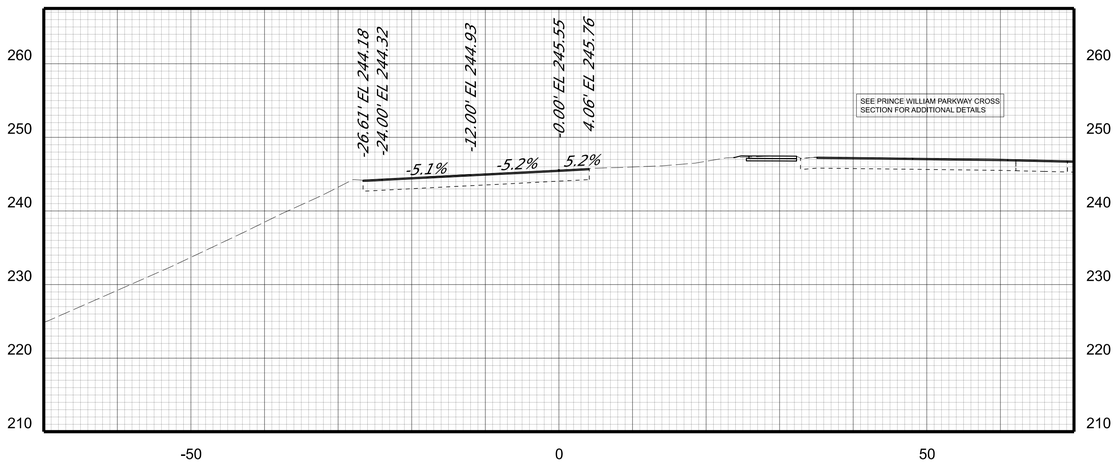
STA 23+00.00



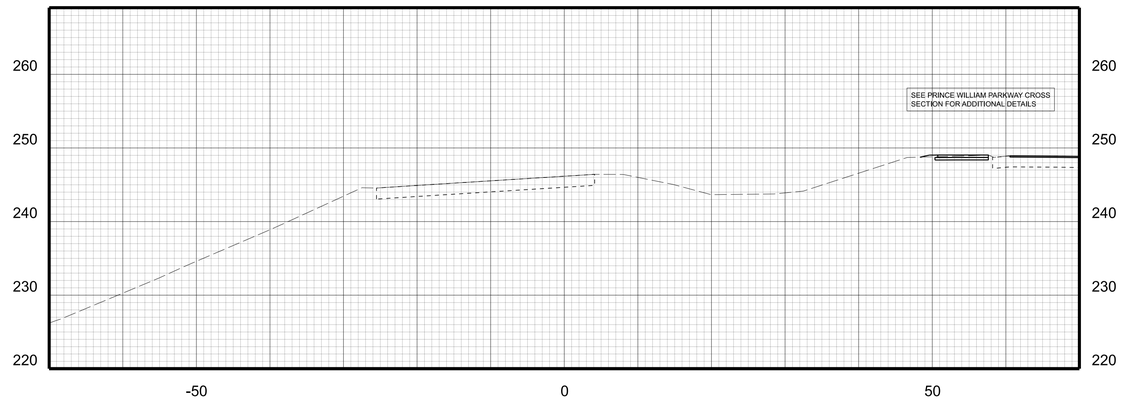
STA 22+25.00



STA 22+75.00



STA 22+00.00



STA 22+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247	X202
PWCDOT PROJECT NO.	
SPR2024-00364	

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

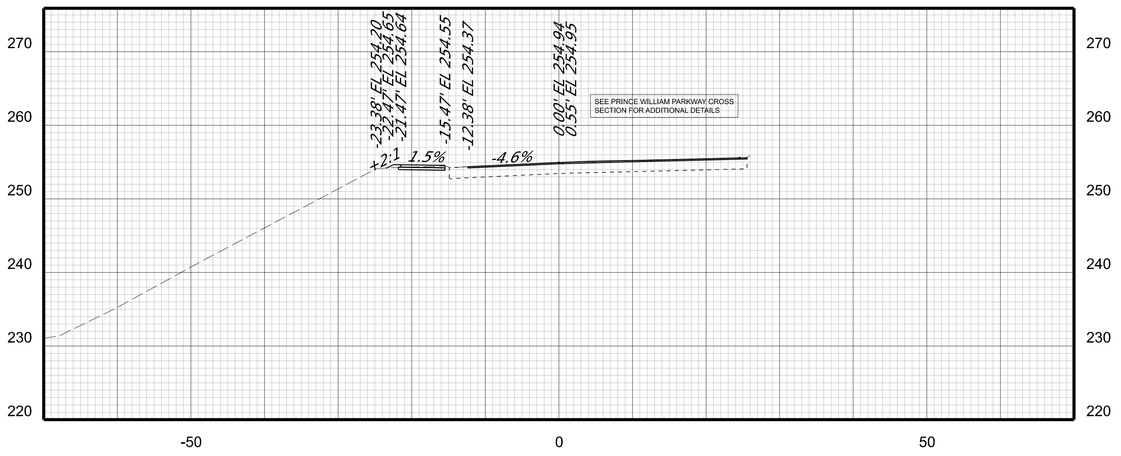
CROSS SECTIONS

SCALE 1 IN. = 10 FT

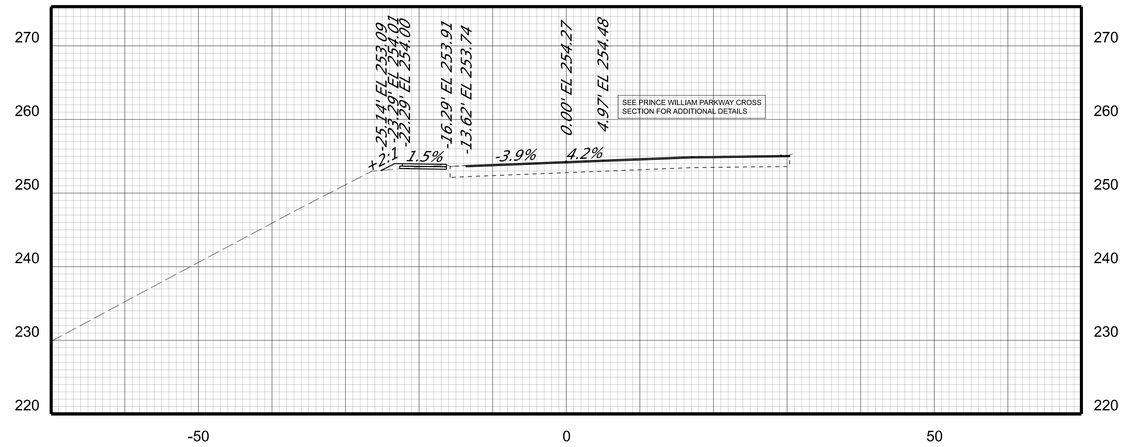
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X300

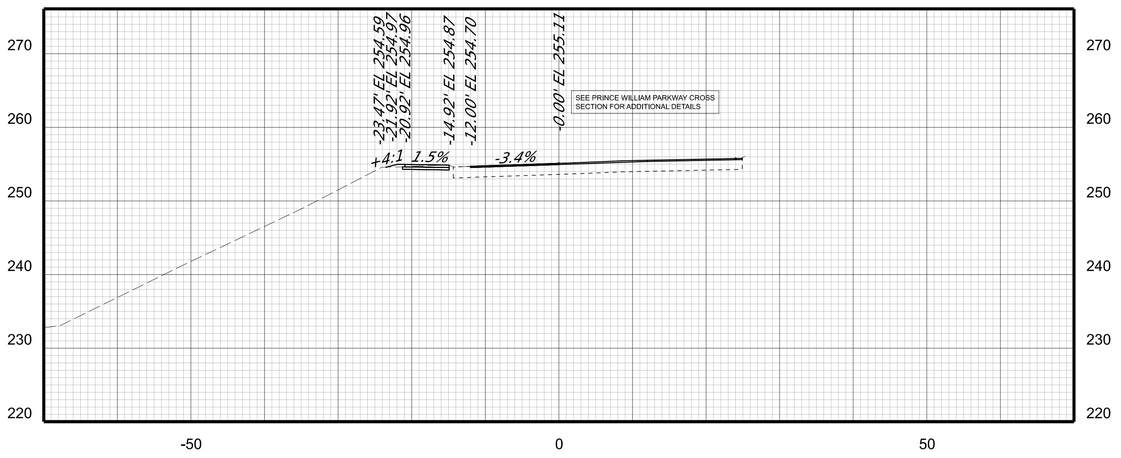
Ramp B



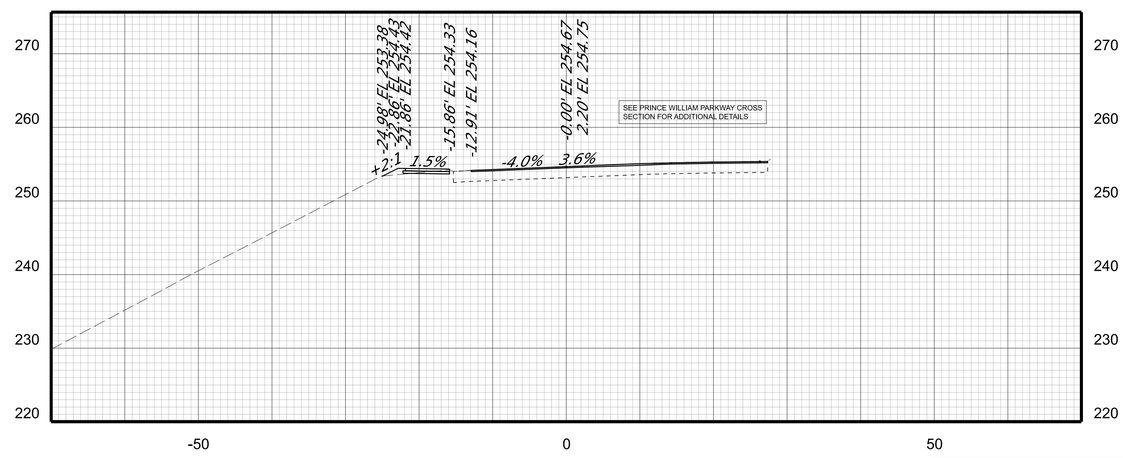
STA 30+25.00



STA 30+75.00



STA 30+00.00



STA 30+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X300

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

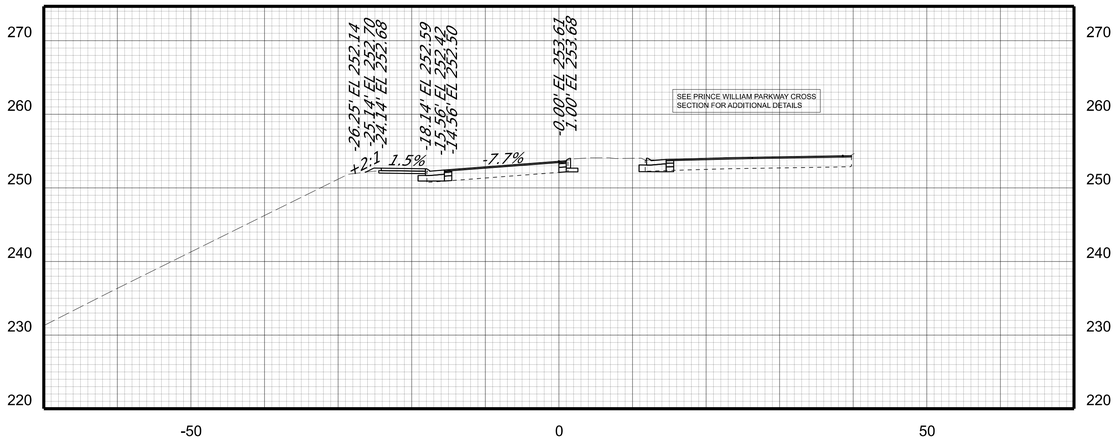
CROSS SECTIONS

SCALE 1 IN. = 10 FT

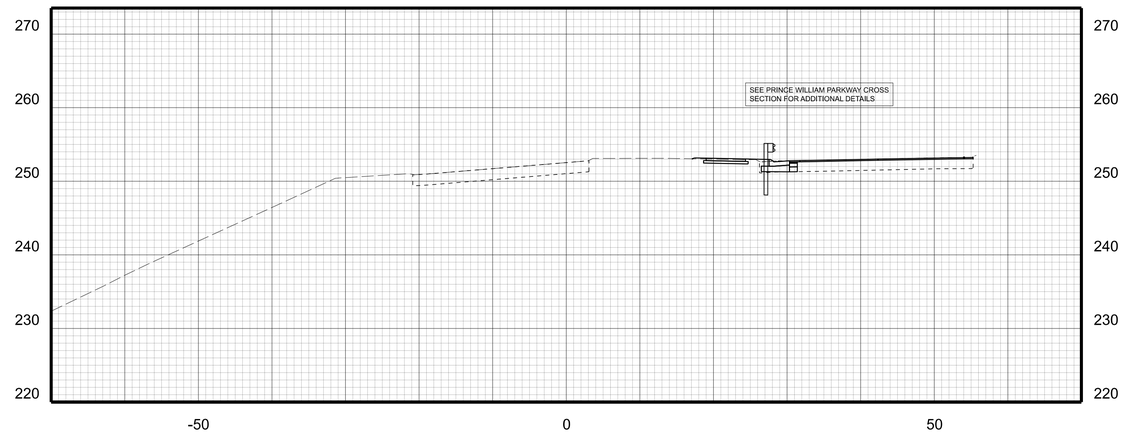
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X301

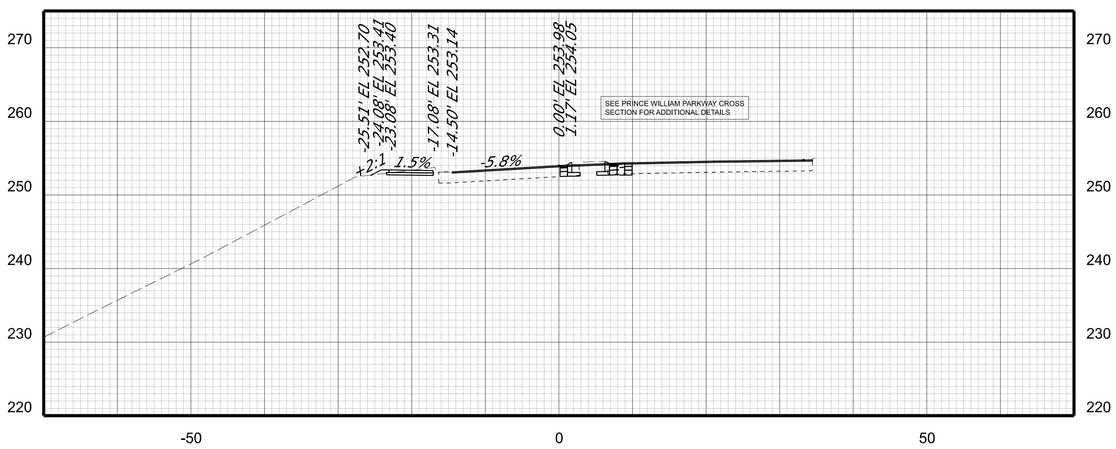
Ramp B



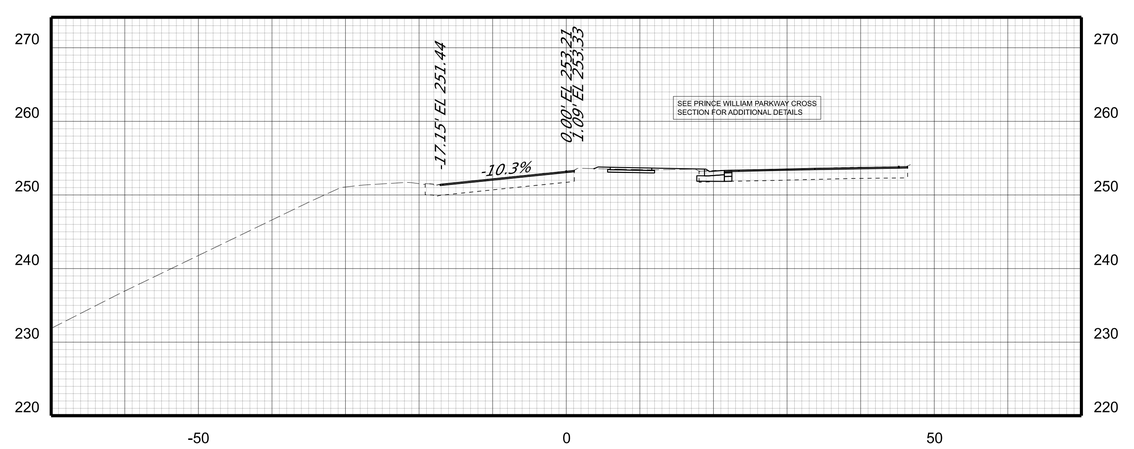
STA 31+25.00



STA 31+75.00



STA 31+00.00



STA 31+50.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X301

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

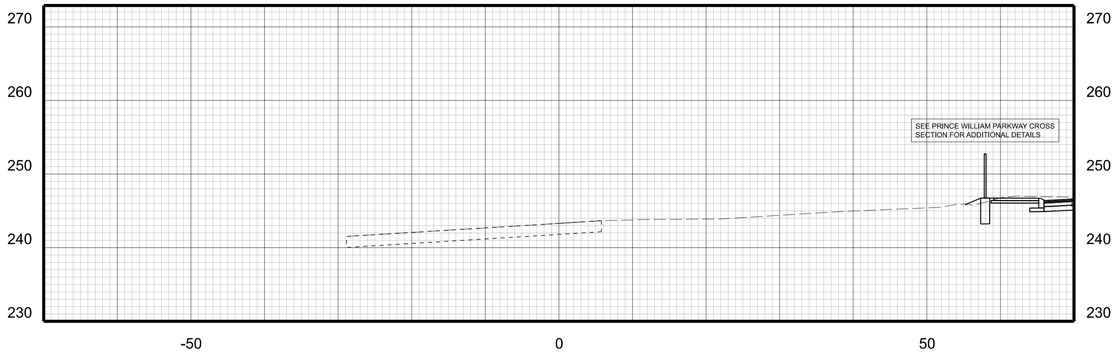
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

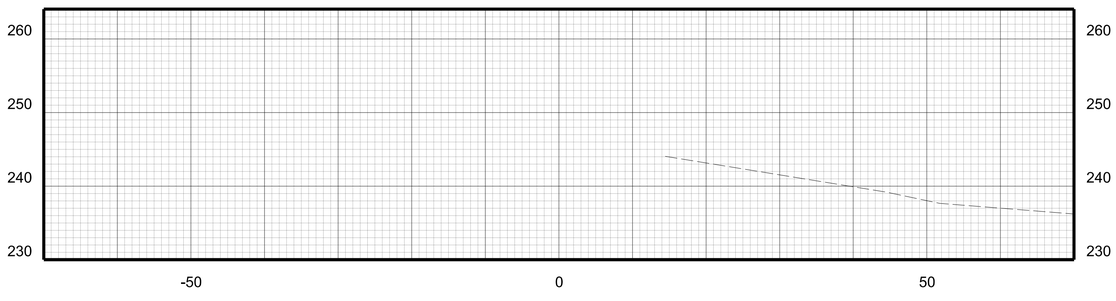
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X400

Ramp C

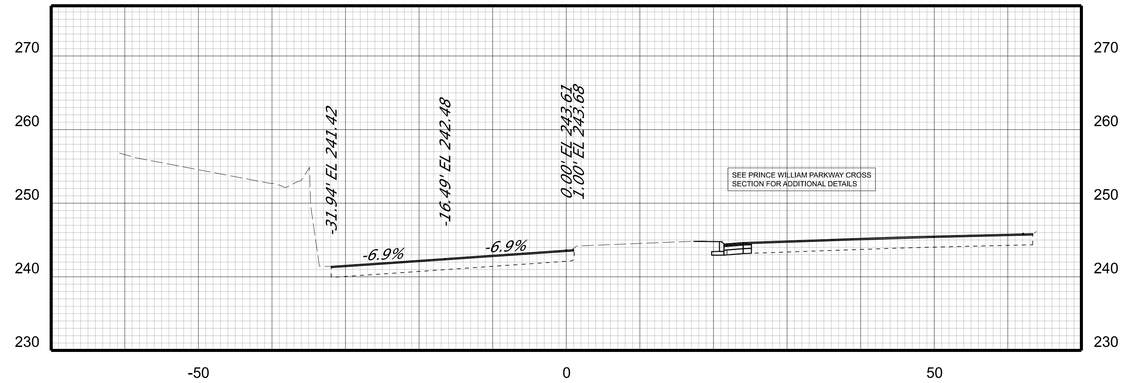


STA 40+50.00

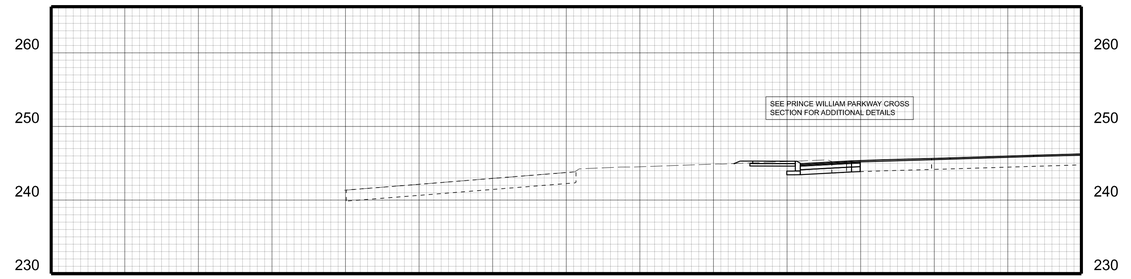
STA 40+25.00



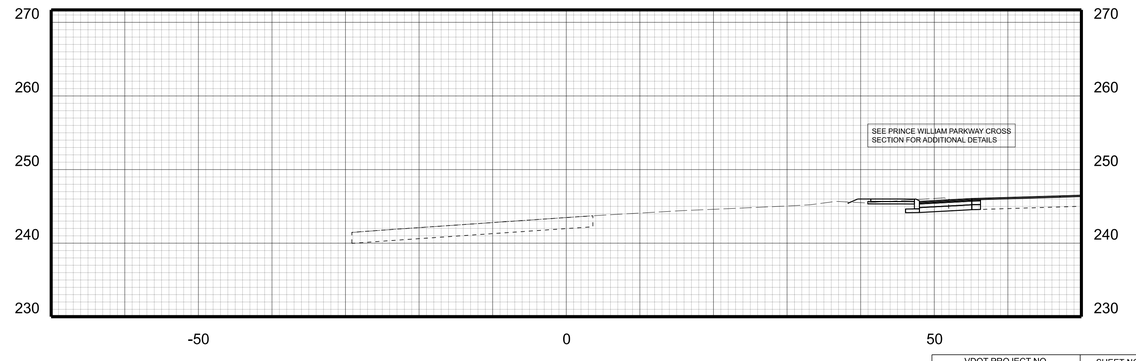
STA 40+00.00



STA 41+25.00



STA 41+00.00



STA 40+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247	X400
PWCDOT PROJECT NO.	
SPR2024-00364	

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

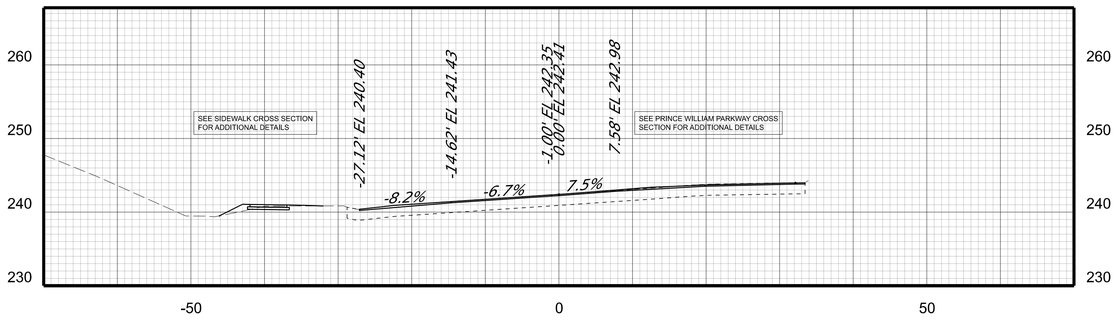
CROSS SECTIONS

SCALE 1 IN. = 10 FT

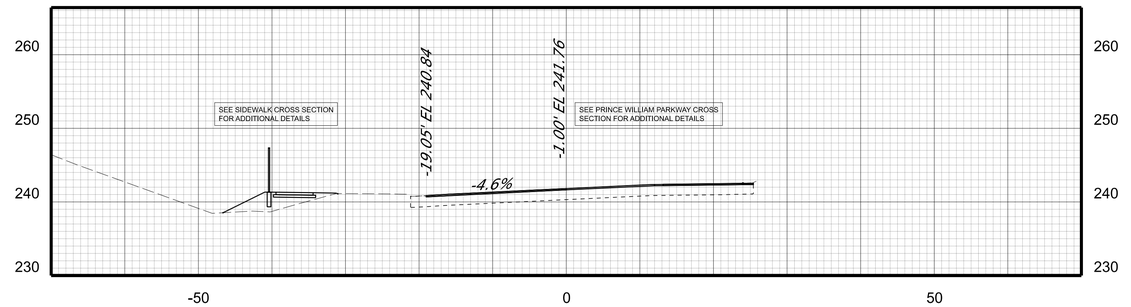
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X401

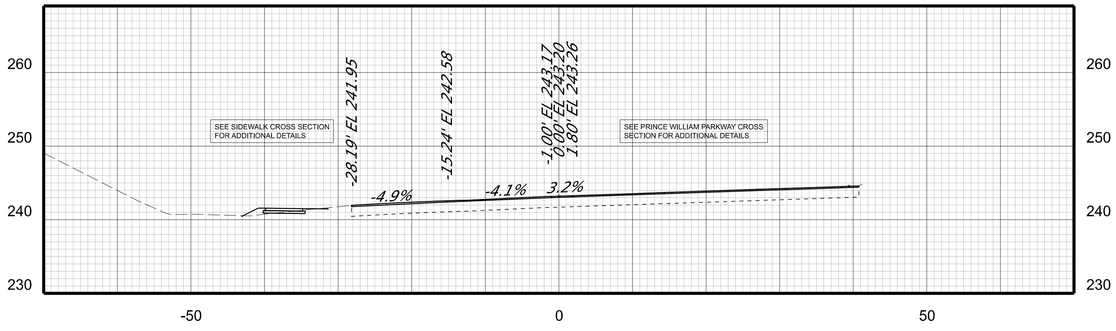
Ramp C



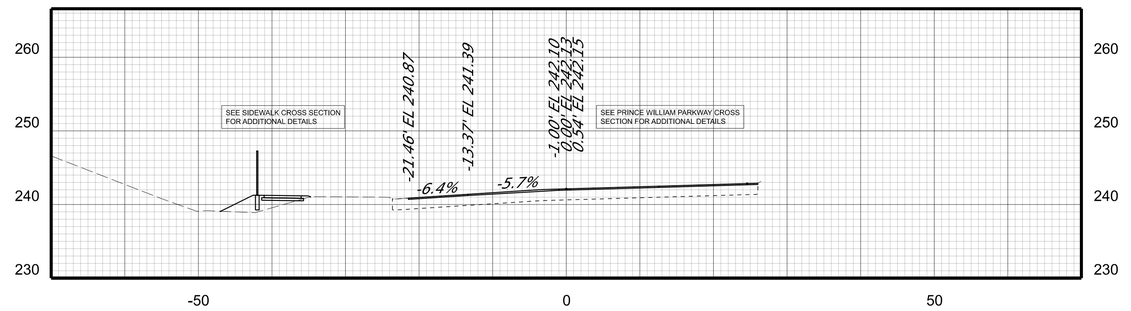
STA 42+00.00



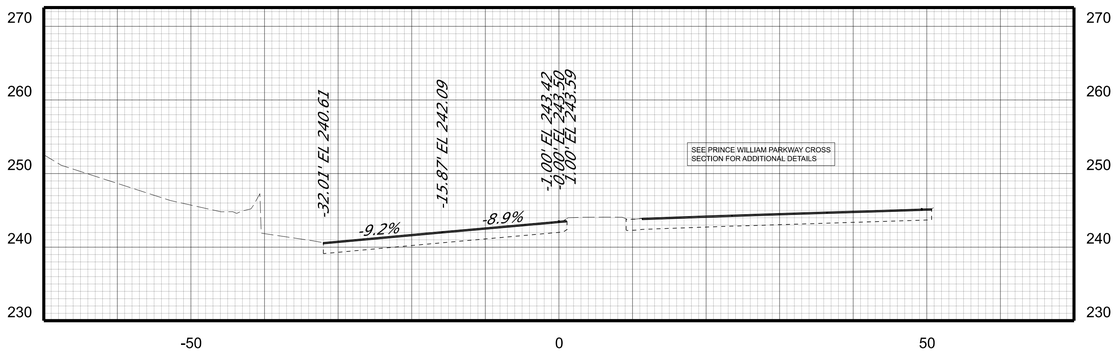
STA 42+64.90



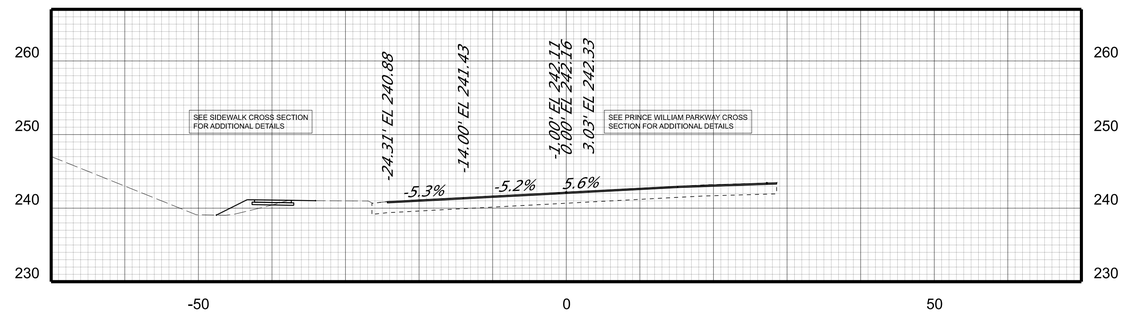
STA 41+75.00



STA 42+50.00



STA 41+50.00



STA 42+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X401

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

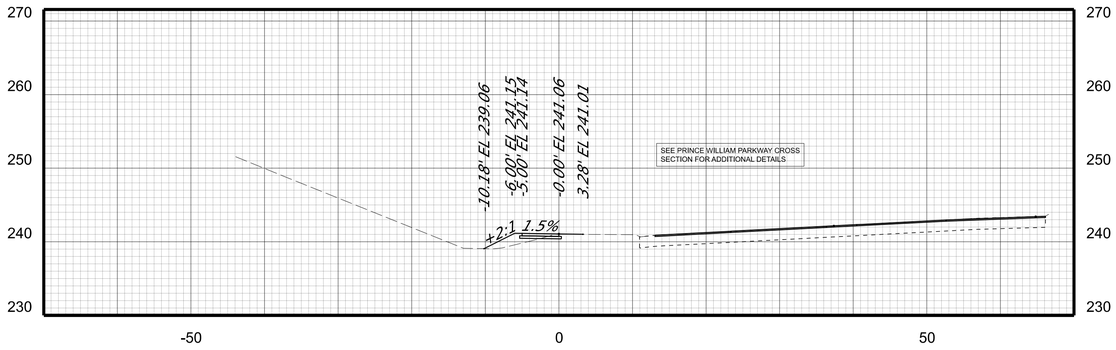
CROSS SECTIONS

SCALE 1 IN. = 10 FT

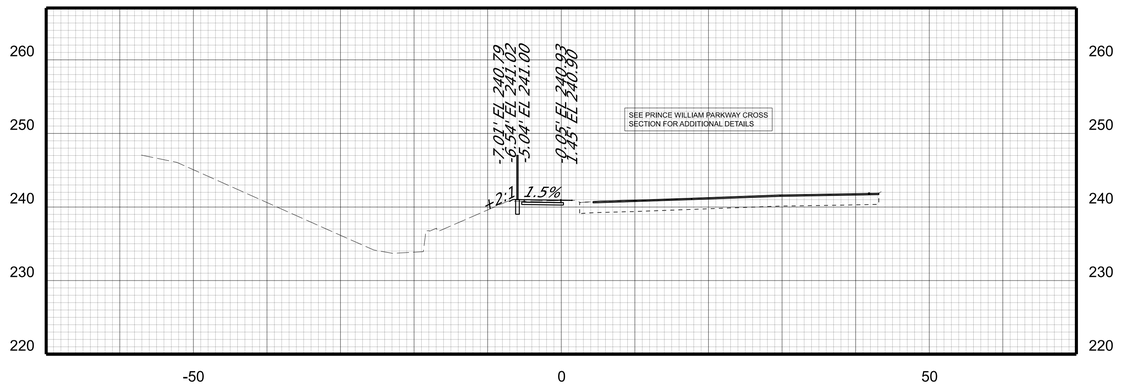
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X500

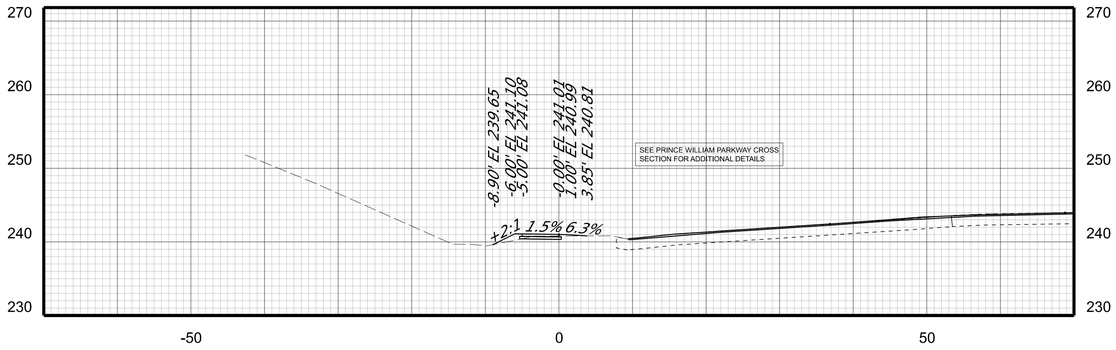
Sidewalk



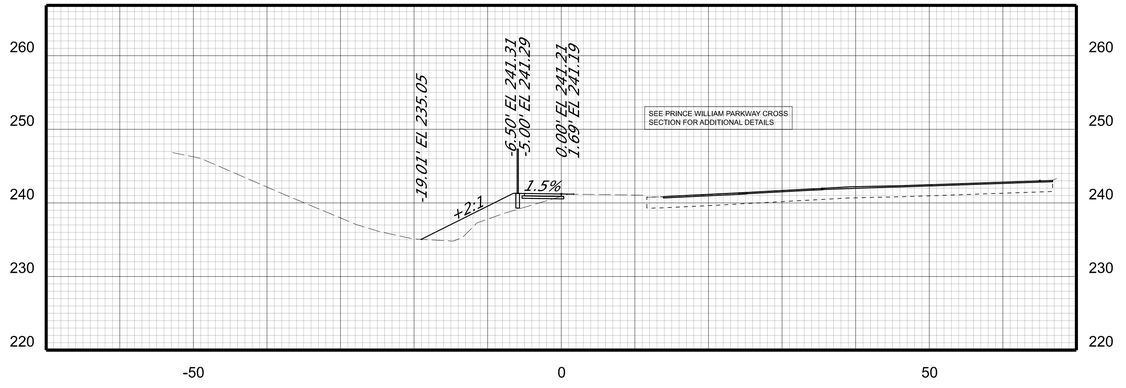
STA 50+50.00



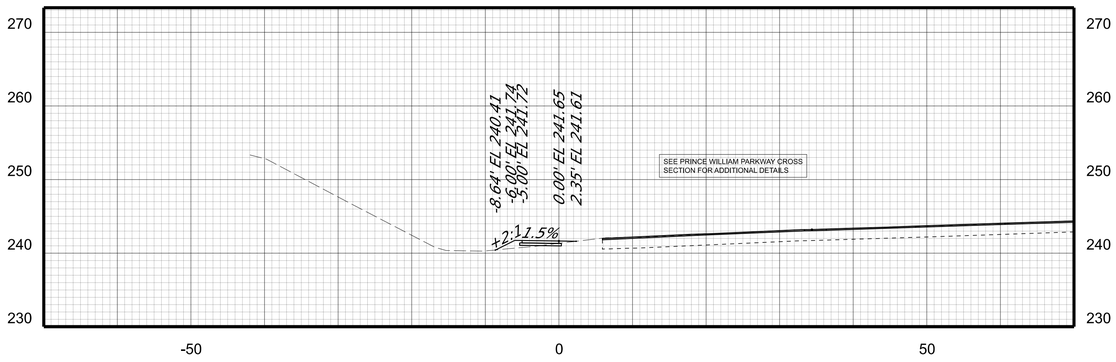
STA 51+25.00



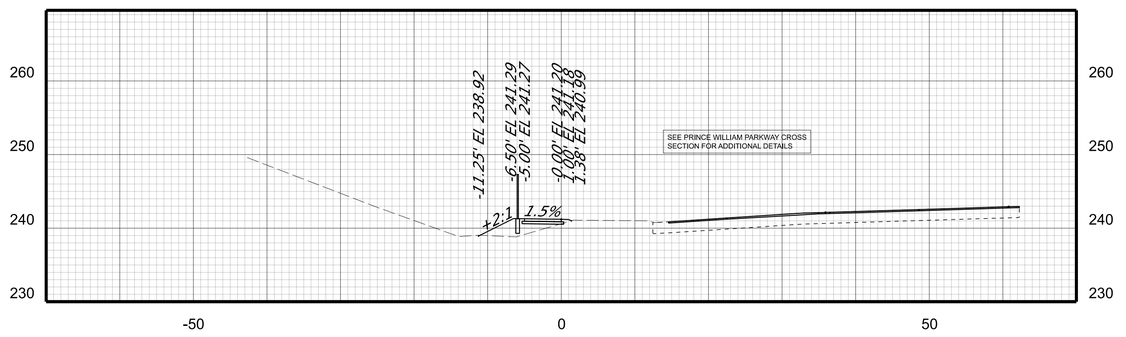
STA 50+25.00



STA 51+00.00



STA 50+00.00



STA 50+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X500

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

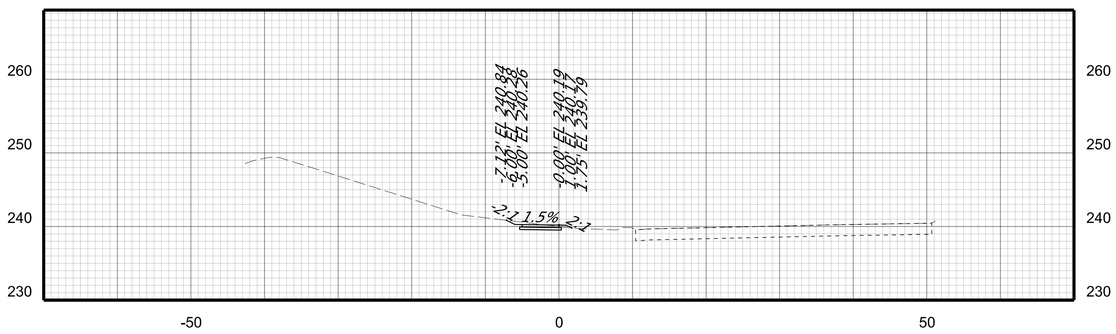
CROSS SECTIONS

SCALE 1 IN. = 10 FT

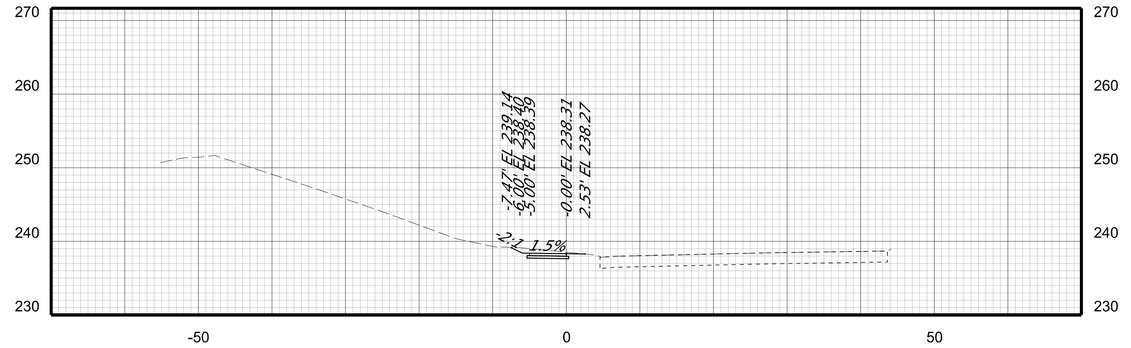
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X501

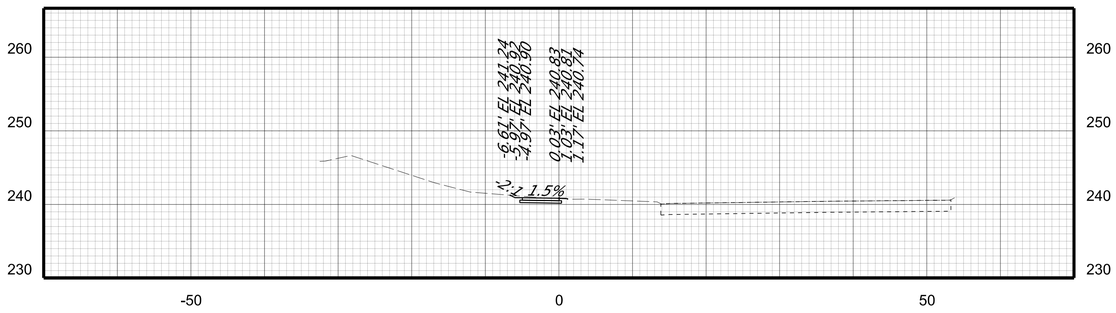
Sidewalk



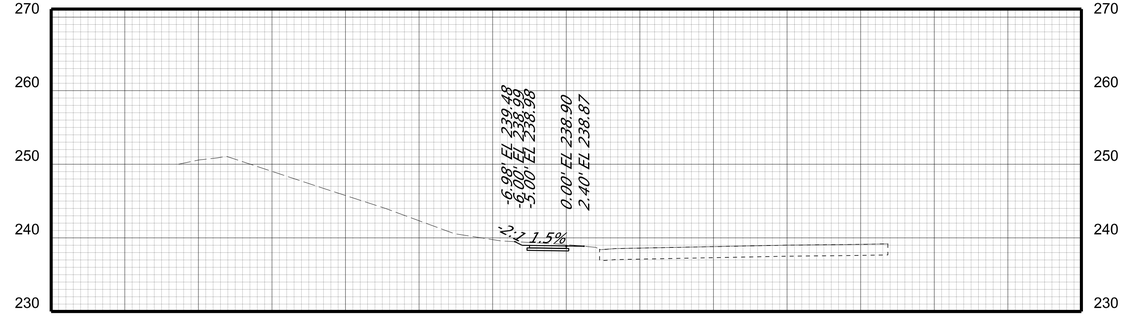
STA 52+00.00



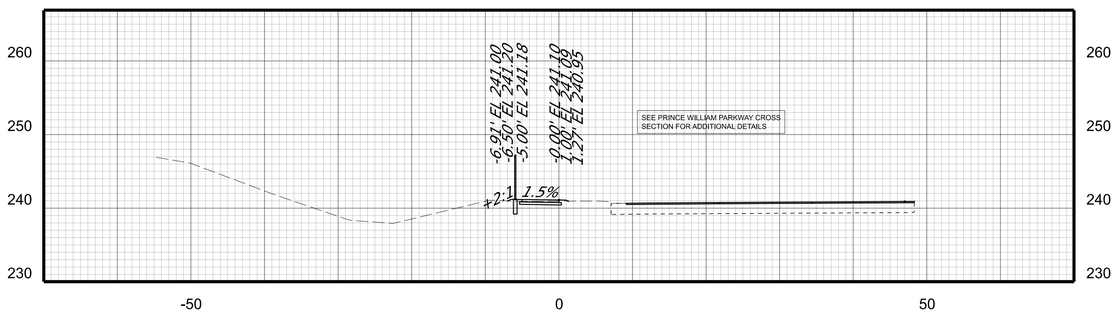
STA 52+75.00



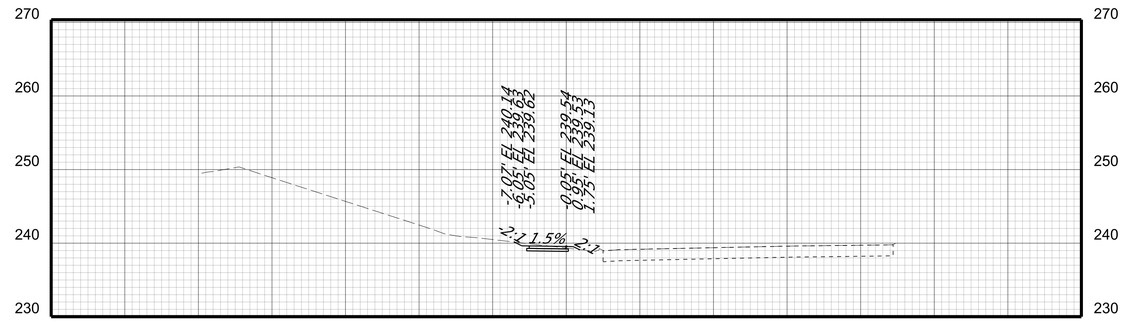
STA 51+75.00



STA 52+50.00



STA 51+50.00



STA 52+25.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247	X501
PWCDOT PROJECT NO.	
SPR2024-00364	

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

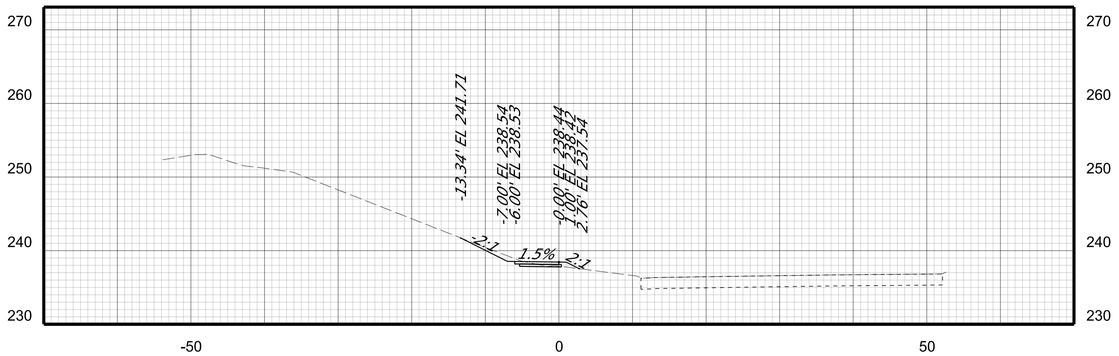
CROSS SECTIONS

SCALE 1 IN. = 10 FT

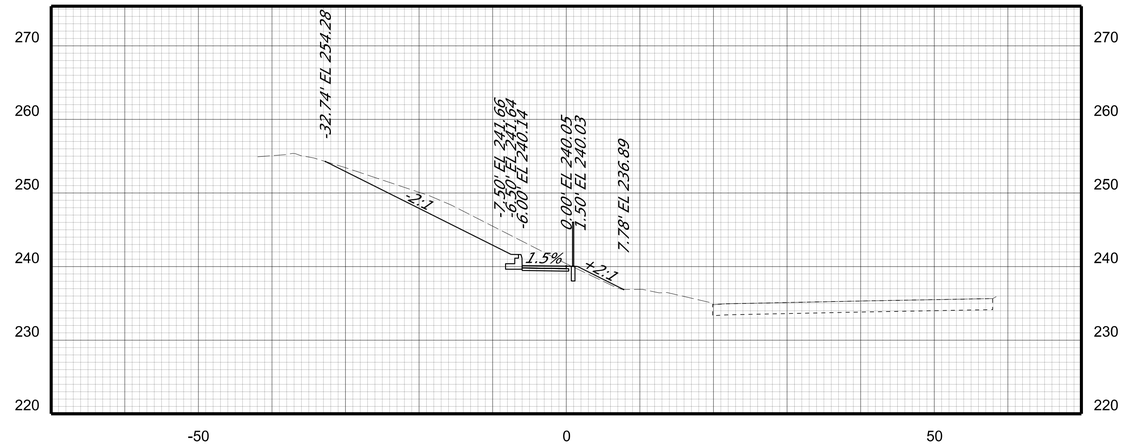
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X502

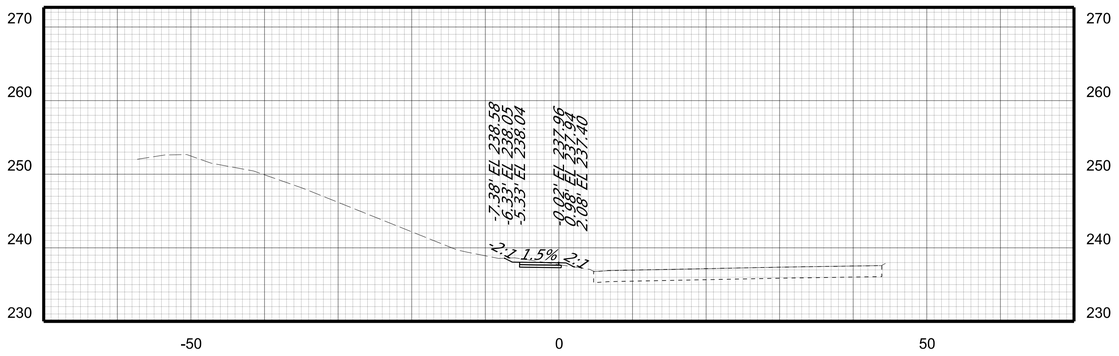
Sidewalk



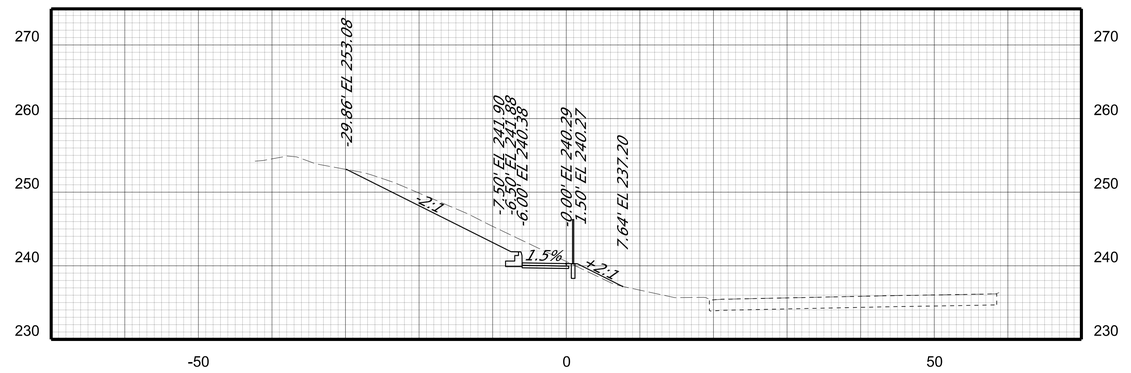
STA 53+50.00



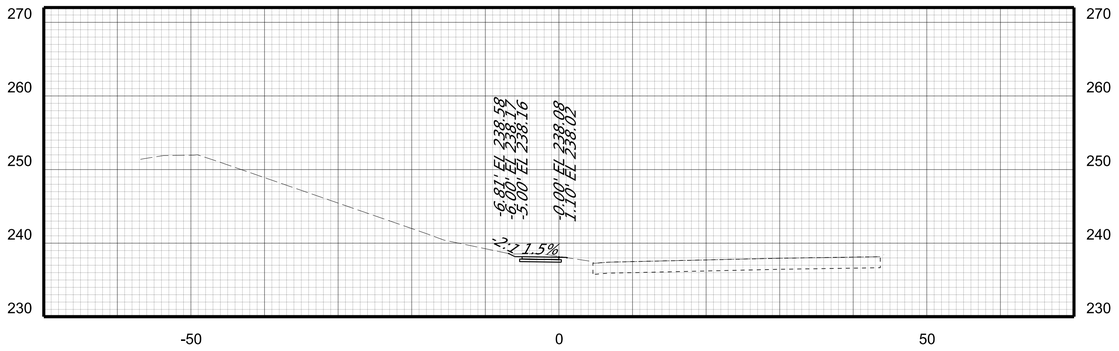
STA 54+25.00



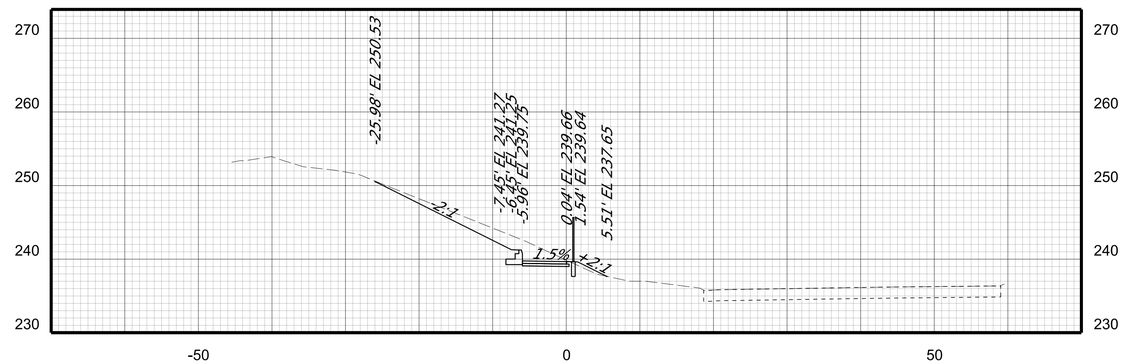
STA 53+25.00



STA 54+00.00



STA 53+00.00



STA 53+75.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X502

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

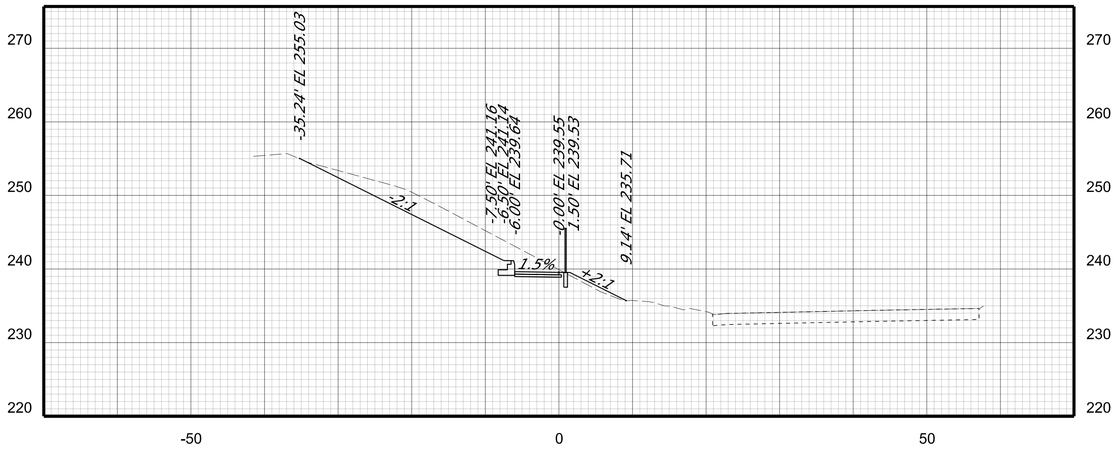
CROSS SECTIONS

SCALE 1 IN. = 10 FT

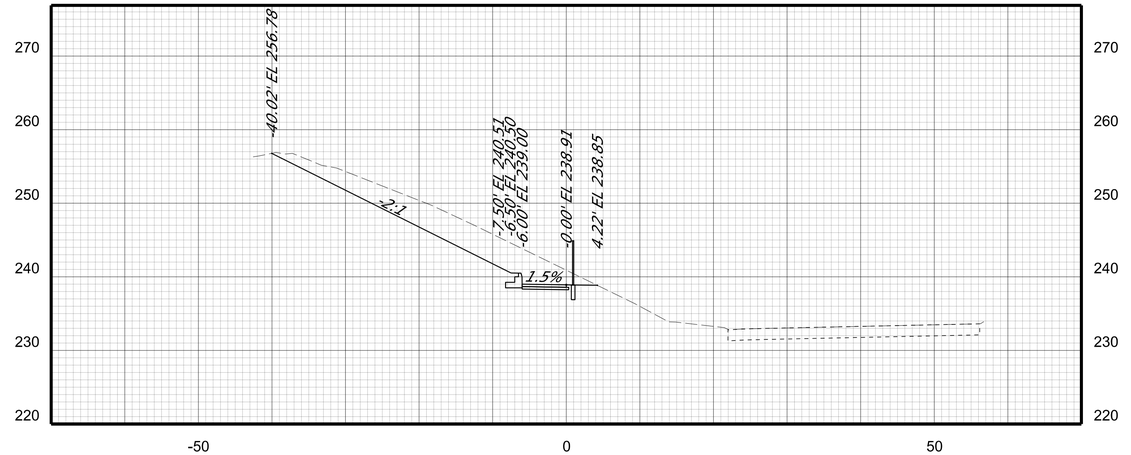
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X503

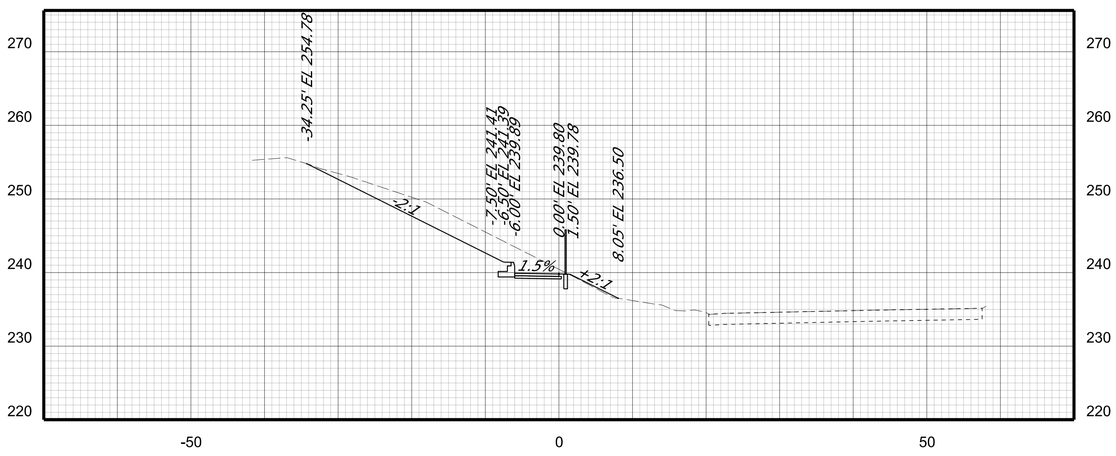
Sidewalk



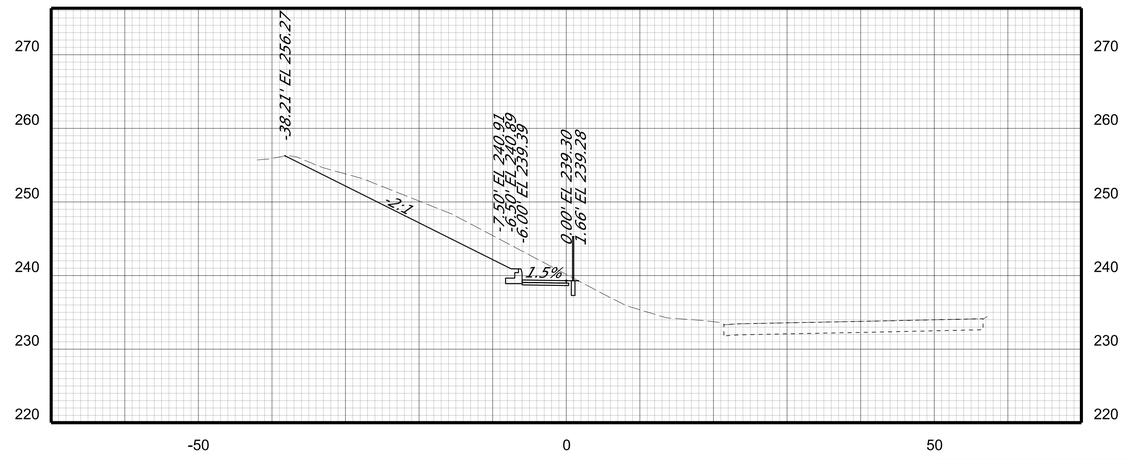
STA 54+75.00



STA 55+25.00



STA 54+50.00



STA 55+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247	X503
PWCDOT PROJECT NO.	
SPR2024-00364	

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

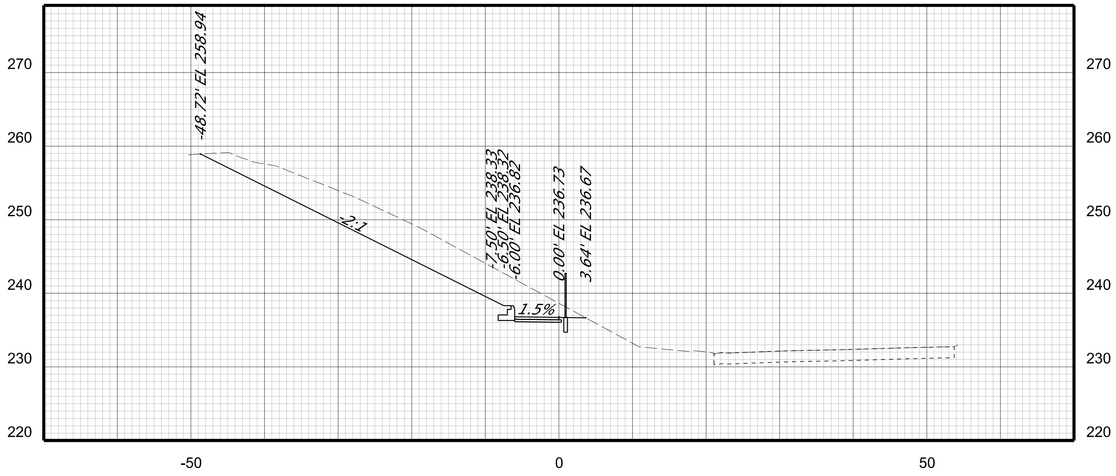
CROSS SECTIONS

SCALE 1 IN. = 10 FT

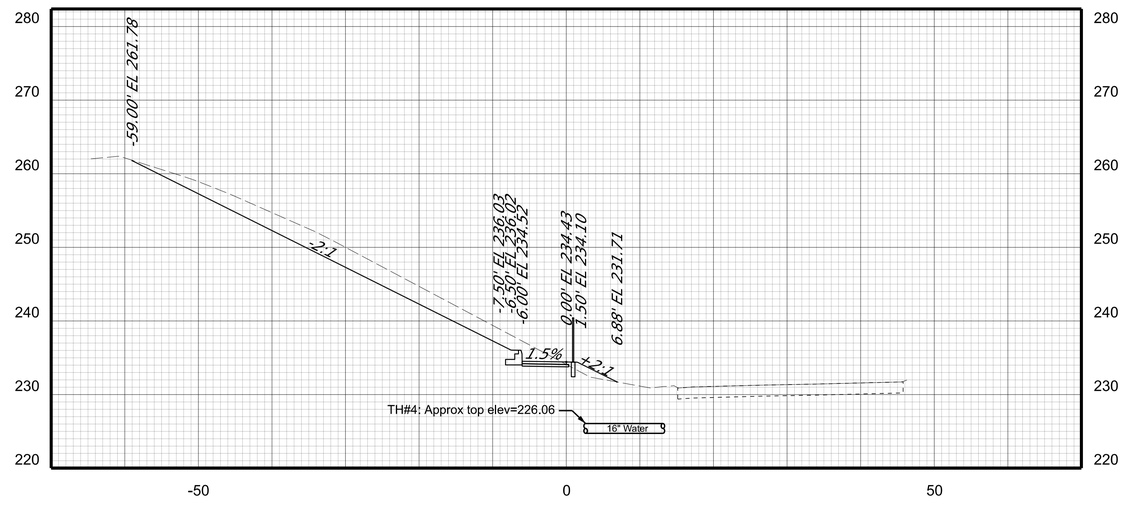
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X504

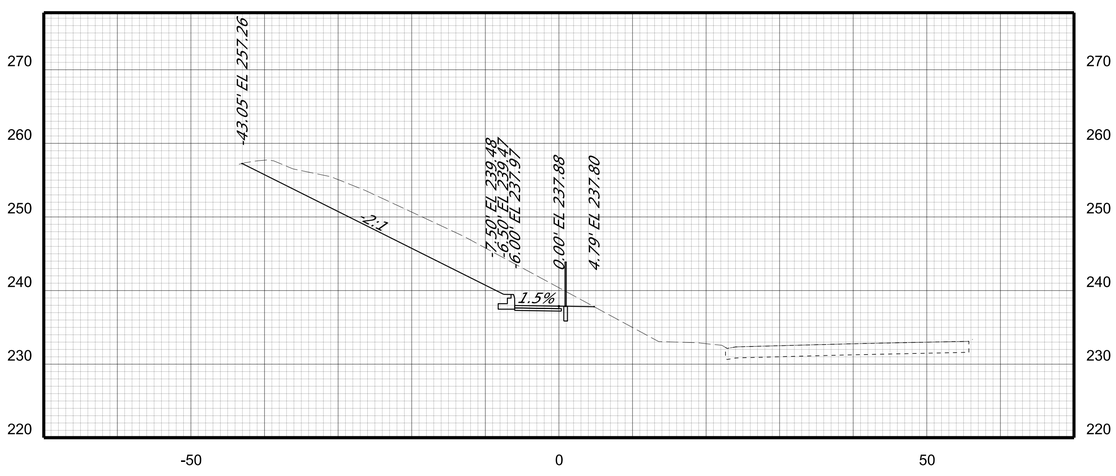
Sidewalk



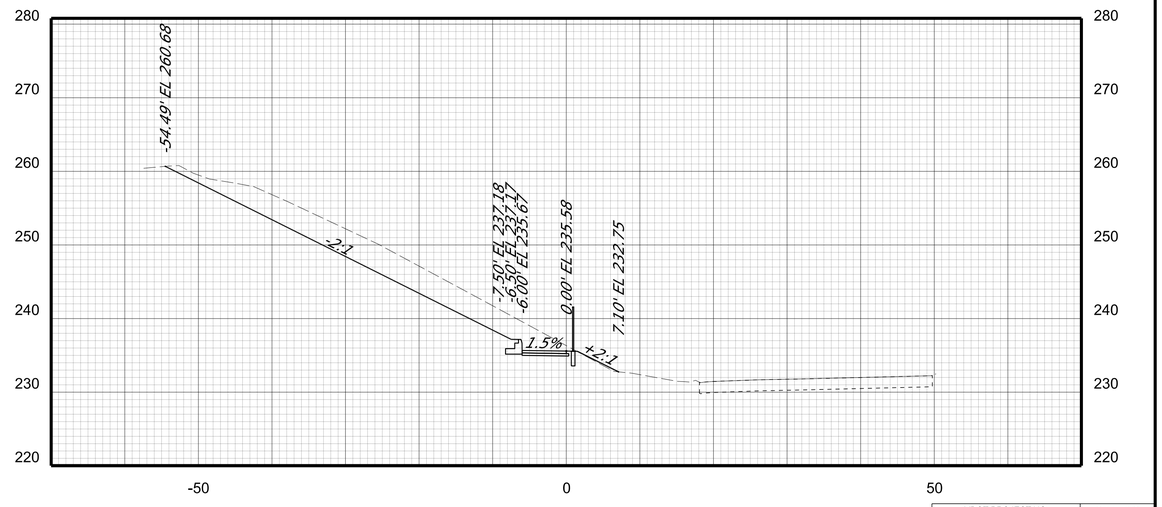
STA 55+75.00



STA 56+25.00



STA 55+50.00



STA 56+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X504

6/28/2024

PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YYY
SUBSURFACE UTILITY BY, DATE ZZZ

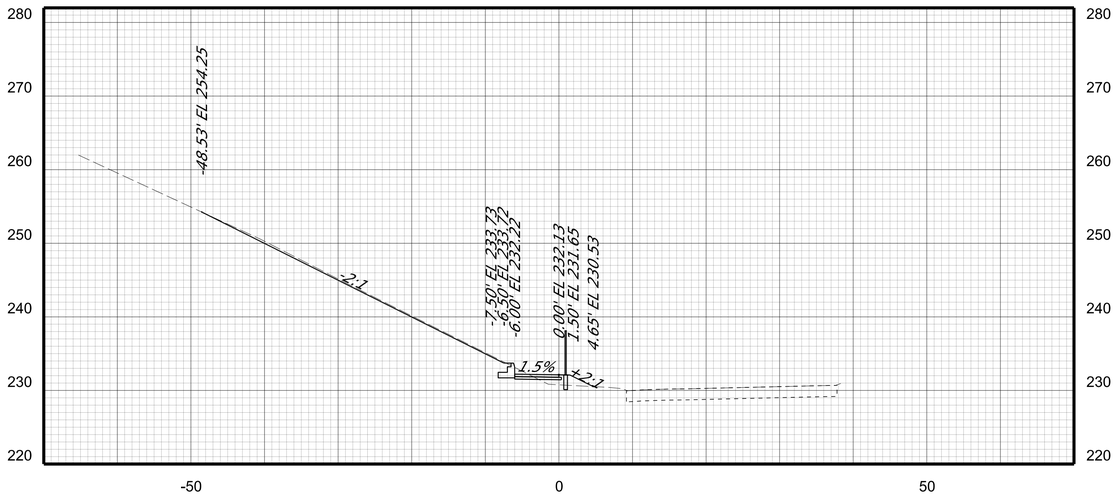
CROSS SECTIONS

SCALE 1 IN. = 10 FT

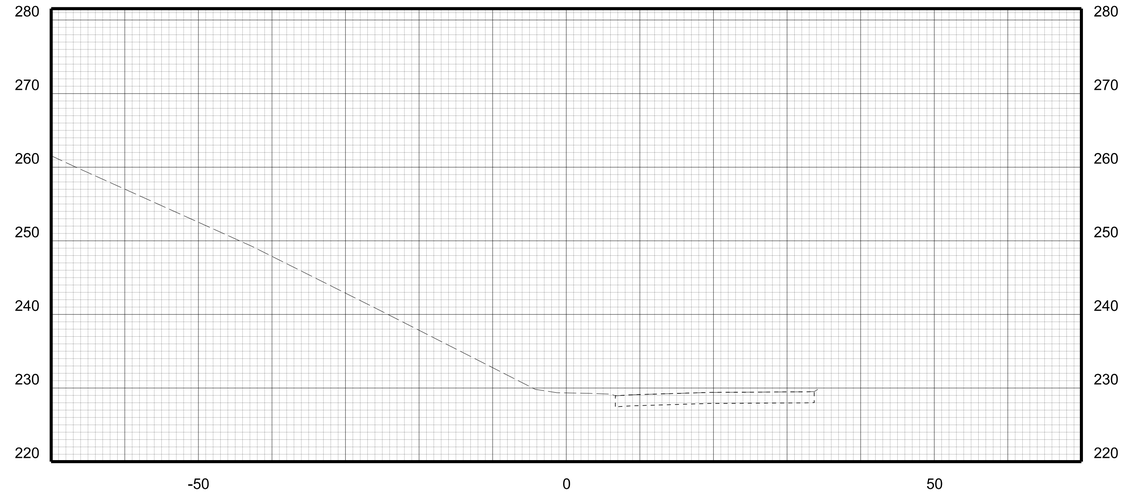
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-247 C-501, PE-101	X505

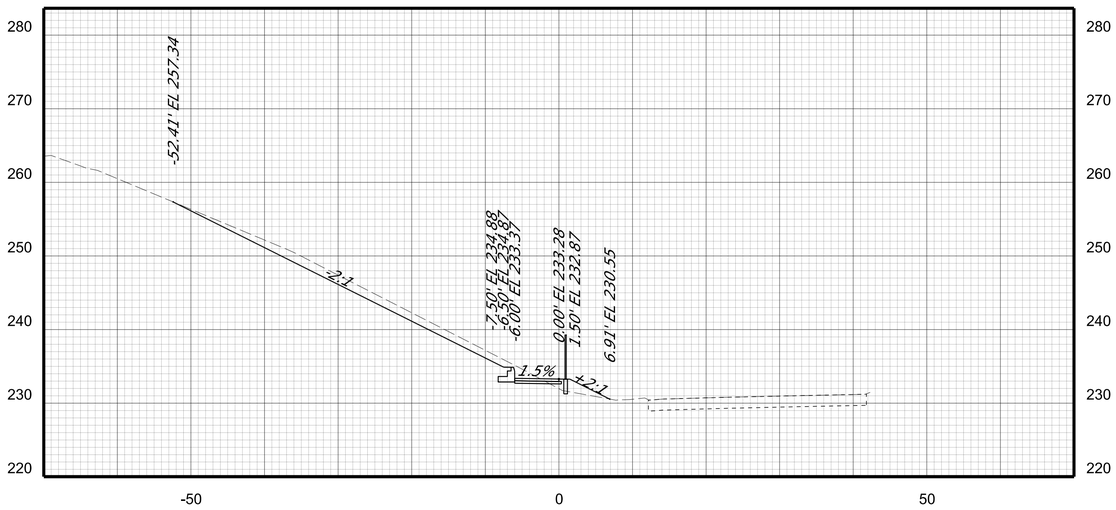
Sidewalk



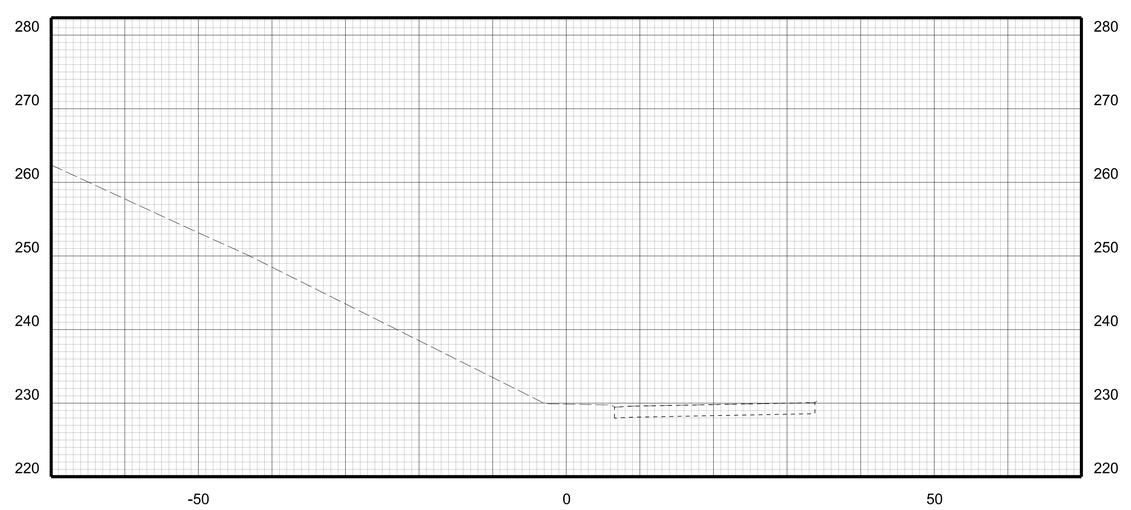
STA 56+75.00



STA 57+25.00



STA 56+50.00



STA 57+00.00

VDOT PROJECT NO.	SHEET NO.
0294-076-247 PWCDOT PROJECT NO. SPR2024-00364	X505

6/28/2024