

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomlich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

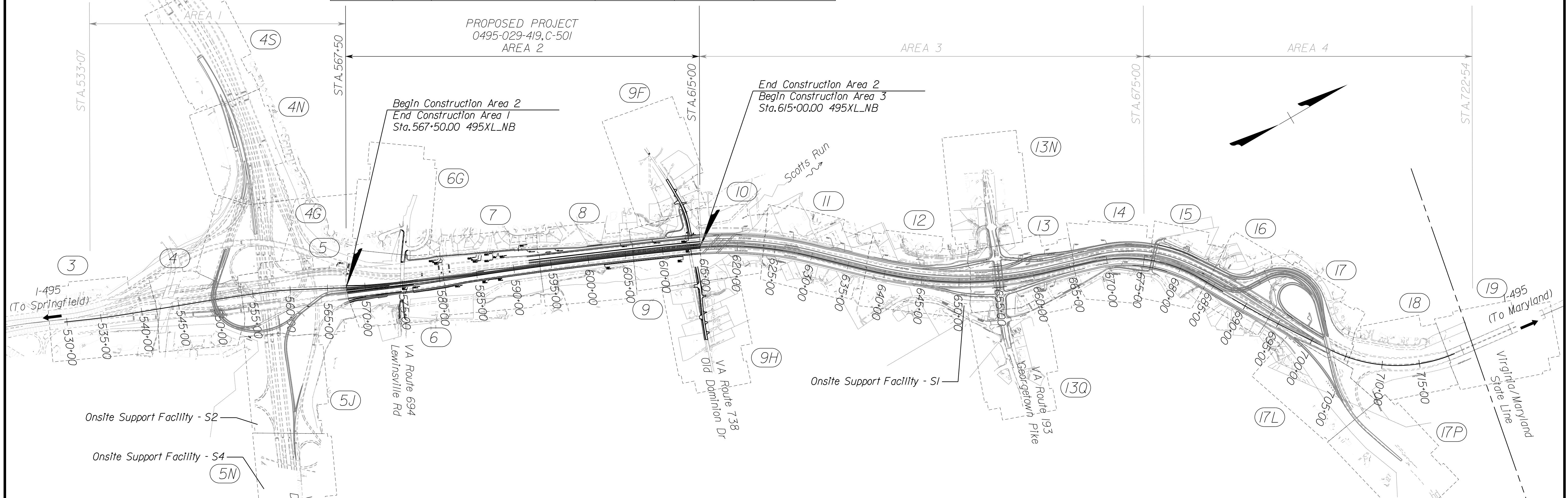
DESIGN EXCEPTIONS FOR PROJECT					
IDENTIFICATION NO.	AREA	LOCATION	DESIGN SPEED (MPH)	REASONS FOR EXCEPTION	APPROVAL DATE
DE-B1	1	I-495 BRIDGE OVER DTR RAMP E1/G3 I-495 GP NB Sta. 1053+00 to 1054+50	60 MPH	SUPERELEVATION	10/17/2022
DE-B2	3	I-495 BRIDGE OVER SCOTT'S RUN I-495 XL NB Sta. 611+00 to Sta. 628+32	70 MPH	SUPERELEVATION	10/17/2022
DE-B3	2	LEWINSVILLE ROAD BRIDGE OVER I-495 Sta. 13+14 to Sta. 17+77	40 MPH	CURB HEIGHT AND PARAPET TYPE	8/8/2022
DE-I	1	DTR RAMP E1/DTR RAMP E3 DTR RAMP E1 Sta. 40+00 to 42+25	30 MPH	LENGTH OF RAMP	11/10/2022
DE-P	4	I-495 NB Sta. 709+00 to 718+00 GWMP Ramp E33 Sta. 7+80 to 11+50	30 MPH	SHOULDER WIDTH	12/12/2022
DE-O	1	DTR RAMP E1 Sta. 18+60 to Sta. 22+30	30 MPH	SHOULDER WIDTH	11/22/2022
DE-W	2	I-495 NB XL Sta. 573+50 to 576+50	70 MPH	SHOULDER WIDTH	11/22/2022

PROJECT LOCATION MAP

FAIRFAX COUNTY

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	1A AREA 2

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



FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA											
	495 EXPRESS LANES	495 EXPRESS LANES	INTERSTATE 495 GENERAL PURPOSE LANES	VA ROUTE 267 DULLES TOLL ROAD	VA ROUTE 193 GEORGETOWN PIKE	GEORGE WASHINGTON MEMORIAL PARKWAY	VA ROUTE 694 LEWINSVILLE ROAD	VA ROUTE 738 OLD DOMINION DRIVE	LIVE OAK DRIVE/BALLS HILL ROAD	INTERCHANGE RAMP (UNLESS OTHERWISE NOTED)	INTERCHANGE RAMP G22
FROM:	VA RTE 267 DULLES TOLL ROAD	GEORGETOWN PIKE	VA RTE 267 DULLES TOLL ROAD	0.66 MI. WEST OF I-495 NB GP	0.15 MI. WEST OF I-495	I-495	0.12 MI. WEST OF I-495	0.22 MI. WEST OF I-495	BALLS HILL ROAD	N/A	N/A
TO:	GEORGETOWN PIKE	GEORGE WASHINGTON MEMORIAL PARKWAY	GEORGE WASHINGTON MEMORIAL PARKWAY	0.17 MI. WEST OF I-495 NB GP	0.16 MI. EAST OF I-495	0.35 MI. EAST OF I-495	0.08 MI. EAST OF I-495	0.24 MI. EAST OF I-495	0.34 MI. WEST OF BALLS HILL ROAD	N/A	N/A
FUNCTIONAL CLASSIFICATION	URBAN INTERSTATE	URBAN INTERSTATE	URBAN INTERSTATE	FREEWAY DIVIDED	URBAN MINOR ARTERIAL	NPS CLASS VII URBAN PARKWAY	URBAN MINOR ARTERIAL	URBAN MINOR ARTERIAL	URBAN LOCAL ROAD	INTERCHANGE RAMP	INTERCHANGE RAMP
TERRAIN	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING	ROLLING
MIN. DESIGN SPEED	70 MPH	60 MPH	60 MPH	60 MPH	40 MPH	60 MPH	40 MPH	45 MPH	25 MPH	30 MPH	25 MPH
** AADT (2020)	16,200	16,200	148,000	82,000	16,000	53,000	13,000	5,500	140		
ADT (2045)	76,800	76,800	239,300	164,700	30,000	66,900	12,200	465			
DHV	6,600	6,600	15,600	13,000	2,500	5,500	1,200	65			
D (%)	53%	53%	56%	59%	57%	53%	52%	71%	70%		
T (%)	3%	3%	3%	2%	1%	0%	1%	1%			
V (MPH)	*	*	*	*	*	*	*	*	*	*	*
TC STD.	TC-5JIR	TC-5JIR	TC-5JIR	TC-5JIR	TC-5JII	TC-5JIR	TC-5JII	TC-5JII	TC-5JII/U/S	TC-5JIR	TC-5JIR
MINIMUM VERTICAL CLEARANCE	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"	16'-6"
GEOMETRIC STD.	GS-INT	GS-INT	GS-INT	GS-5	GS-6	NPS	GS-6	GS-6	GS-8	GS-R	GS-R

* See Geometric Plan and Profile Sheets for horizontal and vertical curve design speeds.
** Per VDOT's 2020 Daily Traffic Volume Estimates

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Fitzpatrick, PE, (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas, Kaugauis, LS, (703) 334-0837, 12/20/2021
DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/20/2021

Index of Sheets

INDEX OF SHEETS

Table with columns: SHEET NO., DESCRIPTION OF SHEETS. Lists sheets 2H through 2G with descriptions like 'Underdrain Summary Sheet', 'Not Used', 'Ditch Lining Typical Sections', etc.

INDEX OF SHEETS

Table with columns: SHEET NO., DESCRIPTION OF SHEETS. Lists sheets 2H through 9E with descriptions like 'Underdrain Summary Sheet', 'Not Used', 'Ditch Lining Typical Sections', etc.

INDEX OF SHEETS

Table with columns: SHEET NO., DESCRIPTION OF SHEETS. Lists sheets 9F through 9E with descriptions like 'Roadway Plan Sheet, Old Dominion Dr (Sta.10+00 to 18+50)', 'Drainage Plan Sheet, Old Dominion Dr (Sta.10+00 to 18+50)', etc.

Table with columns: REVISED, STATE, ROUTE, VDOT PROJECT NO., SHEET NO. Values: VA, 495, 0495-029-419 C501 RW201, 1B AREA 2

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

NOVA DISTRICT

12/20/2022

APPROVED FOR CONSTRUCTION

Table with columns: VDOT PROJECT NO., SHEET NO. Values: 0495-029-419, 1B AREA 2

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Demolition Summary

AI-A4

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	1C(1) AREA 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 NUMBER 0495-029-419, C-501

SHEET NUMBER	PARCEL NUMBER	DEMOLITION NUMBER	LANDOWNER	STATION Rt. OR Lt.	DESCRIPTION	INCLUDED IN CONTRACT						NOT IN CONTRACT ITEMS TO BE REMOVED BY OTHERS	
						DEMOLITION OF LIGHTS	DEMOLITION OF BUILDINGS *	CLEARING OF PARCEL	DEMOLITION OF SIGN	DEMOLITION OF MAILBOX	UNDERGROUND STORAGE TANK REMOVAL		
											TYPE A		TYPE B
EACH	LUMP SUM	LUMP SUM	EACH	EACH	EACH	EACH							
6	090	D-900	7601 LEWINSVILLE ROAD OFFICE CONDOMINIUM ASSOCIATION	10+75 LT	SIGN				/				
9F	064	D-904	WILLIAM R.CHARYK & CHOON L.CHARYK	14+16 RT	MAILBOX				/				
9F	064	D-905	WILLIAM R.CHARYK & CHOON L.CHARYK	14+45 RT	MAILBOX				/				
9F	066	D-906	SUSSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY	15+94 RT	MAILBOX				/				
9F	066	D-907	SUSSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY	16+54 RT	MAILBOX				/				
9H	011	D-908	PATRICK O.MCGAREY & BARBARA M.MCGAREY	29+53 RT	MAILBOX				/				
9H	010	D-909	SEDELTA D.VERBLE & GHAREMON SULEYMON	31+45 RT	MAILBOX				/				
9H	-	D-910	ROYAL EMBASSY OF SAUDIA ARABIA	32+28 RT	MAILBOX				/				
9H	-	D-911	CHANG UK YI & NEGAR S.TEHRANI	33+70 RT	MAILBOX				/				
15	081	D-013	LANGLEY CLUB, INC.	13+57 LT	SIGN				/				
15	081	D-014	LANGLEY CLUB, INC.	13+77 LT	SIGN				/				
15	089	D-015	APRIL GEORGELAS	16+58 LT	MAILBOX				/				
16	089	D-016	APRIL GEORGELAS	18+55 LT	SIGN				/				
9H	010	D-017	SEDELTA D.VERBLE & GHAREMON SULEYMON	31+04 LT & 31+26 LT	LIGHT POLES	2			/				
15	079	D-018	FAIRFAX COUNTY PARK AUTHORITY	10+00 LT	SIGN				/				

VDOT PROJECT NO. 0495-029-419
SHEET NO. 1C(1) AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - RitaPal-Sah, PE, (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/20/2021
DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomilich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/20/2021

Revision Data Sheet

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
X	VA.	495		0495-029-419 C501 RW201	ID AREA 2

State Project: 0495-029-419, C-501, RW201
Federal Project: NHPP-495-5(095)
From: South of Existing Express Lanes, Northern Termini
To: American Legion Bridge
UPC Number: 115401

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

(R001) August 30, 2022 - Right of Way Revision 001 Project 0495-029-419, RW-201
PENDING APPROVAL

This revision was made to update easements per coordination with the Utility Companies, plan changes per VDOT comments, and title report updates. The revision is as follows:
Sheet IC, 6rw, 6Grw, 7rw, 8rw, 9rw, 9Frw, 9Hrw:
Revised Parcel 001 VDOT Utility Easement from 0 SF to 553 SF.
Revised Parcel 002 VDOT Utility Easement from 0 SF to 3,109 SF.
Revised Parcel 011 VDOT Utility Easement from 1,404 SF to 0 SF.
Revised Parcel 034 Drainage Easement from 2,711 SF to 2,702 SF and TCE for Slopes from 1,997 SF to 2,006 SF.
Revised Parcel 035 Perm. Drainage Ease. from 2,577 SF to 2,798 SF and TCE for slopes from 222 SF to 0 SF.
Revised Parcel 036 Perm. Drainage Ease. from 1,953 SF to 2,387 SF and TCE for slopes from 1,706 SF to 1,272 SF.
Revised Parcel 041 VDOT Utility Easement from 8,404 SF to 0 SF and TCE for slopes from 454 SF to 0 SF.
Revised Parcel 044 TCE for slopes from 2,714 SF to 508 SF.
Revised Parcel 054 VDOT Utility Easement from 3,267 SF to 0 SF and Dominion Energy Utility Easement from 0 SF to 1,166 SF.
Revised Parcel 056 VDOT Utility Easement from 678 SF to 0 SF and TCE for slopes from 12,357 SF to 10,468 SF.
Revised Parcel 057 VDOT Utility Easement from 257 SF to 0 SF and TCE for slopes from 572 SF to 85 SF.
Revised Parcel 059 VDOT Utility Easement from 86 SF to 0 SF; Dominion Energy Utility Easement from 0 SF to 936 SF; and Perm. Drainage Easement from 643 SF to 782 SF.
Revised Parcel 065 VDOT Utility Easement from 315 SF to 455 SF; Drainage & Slope Easement from 14,395 SF to 14,847 SF; TCE for slopes from 453 SF to 0 SF; and TCE for Entrance from 266 SF to 195 SF.
Revised Parcel 066 VDOT Utility Easement from 1,378 SF to 0 SF and Dominion Energy Utility Easement from 0 SF to 3,005 SF.
Revised Parcel 067 VDOT Utility Easement from 4,337 SF to 0 SF and Dominion Energy Utility Easement from 0 SF to 1,031 SF.
Revised Parcel 069 TCE for Slopes from 607 SF to 609 SF.
Revised Parcel 071 Fee Taking from 2,306 SF to 2,333 SF and Perm. Drainage and Wall Ease. from 2,093 SF to 2,066 SF.
Added Parcel 072 VDOT Utility Easement from 0 SF to 206 SF.
Revised Parcel 073 VDOT Utility Easement from 8,108 SF to 0 SF and Dominion Energy Utility Easement from 0 SF to 5,941 SF.
Revised Parcel 074 VDOT Utility Easement from 4,279 SF to 0 SF and SF Dominion Utility Easement from 0 SF to 3,049 SF.
Revised Parcel 075 Fee Taking from 32,648 SF to 32,650 SF; VDOT Utility Easement from 6,104 SF to 0 SF; Dominion Energy Utility Easement from 0 SF to 1,382 SF; and TCE for slopes from 8,914 SF to 8,926 SF.
Revised Parcel 079 Fee Taking from 28,635 SF to 28,603; Drainage Easement from 2,109 SF to 2,145 SF; Drainage and Wall Easement from 6,694 SF to 6,708 SF, and TCE for Slopes from 19,117 SF to 19,568 SF.
Revised Parcel 081 VDOT Utility Easement from 3,767 SF to 4,098 SF.
Revised Parcel 082 VDOT Utility Easement from 253 SF to 344 SF.
Revised Parcel 089 VDOT Utility Easement from 251 SF to 385 SF.
Revised Parcel 090 to provide 283 SF of PDE and 595 SF of TCE for Entrances and Parking Lots per survey updates reflecting existing R/W and Easements.

Revised Parcel 001 Landowner Name from Ali-Reza Nouri-Mesbahi & Anastasia Shishkina to Ali-Reza Nouri-Mesbahi & Anastasia Shishkina, Trustees
Revised Parcel 002 Landowner Name from Yi Guo & Jiahua Kong to Yi Guo & Jiahua Kong, Trustees
Revised Parcel 066 Landowner Name from Susan Booth Cassidy & James Joseph Cassidy to Susan Booth Cassidy & James Joseph Cassidy, Jr.

9RW: Easement labels have been added per VDOT request.
9FRW: Easement labels have been added per VDOT request.
9HRW: Easement labels have been added per VDOT request.

(R002) October 14, 2022 - Right of Way Revision 002 Project 0495-029-419, RW-201
PENDING APPROVAL

This revision was made to update easements per coordination with the Utility Companies, title report updates, and design/TMP adjustments. The revision is as follows:
Sheet IC: Revised Parcel 032 Landowner Name from Ping Zhou & Hengxiang Yang to Hengxiang Yang & Ping Zhou, Co-Trustees.
Sheet 9HRW: Revised Parcel 001 Deed Book and Page number to DB 26614 PG 0894.
Sheet IC and 9FRW: Revised Parcel 060 Landowner Name from Susan A. Holley & Robert R. Thomas to Olivia Zalya and Deed Book and Page Number to DB 27710, PG 40.
Sheet IC: Revised Parcel 035 Landowner Name from Labib J. Chammas, Trustee to Labib Joseph Chammas & Judith Ann Chammas, Trustees.
Sheet IC: Revised Parcel 072 VDOT Utility Easement from 206 SF to 0 SF; Dominion Energy Utility Easement from 0 SF to 206 SF.
Sheet IC, 9RW, & 9FRW: Revised Parcel 066 Dominion Energy Utility Easement from 3,005 SF to 3,314 SF.
Sheet IC & 9FRW: Revised Parcel 067 Dominion Energy Utility Easement from 1,031 SF to 871 SF.
Sheet IC: Revised Parcel 028 Dominion Energy & VDOT Utility Easement from 0 SF to 3,239 SF.

NOVA DISTRICT

VDOT PROJECT NO. 0495-029-419	SHEET NO. ID AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rita Pal... SURVEYED BY, DATE RDA - Nicholas... DESIGN BY RDA - Darrell Fischer... SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor...

Survey Traverse Control

Table with columns: REVISED, STATE, ROUTE, STATE, VDOT PROJECT NO., SHEET NO. Values: VA, 495, 0495-029-419 C501 RW201, IF AREA 2

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

Table with 2 columns: VDOT Project Coordinates (Legacy) and VA State Plane Coordinates. Includes project info for Station I.D.: 500, Date: 10-19-2021.

Table with 2 columns: VDOT Project Coordinates (Legacy) and VA State Plane Coordinates. Includes project info for Station I.D.: 15010, Date: 05-18-2022.

RTK Network Localization Points (Provided by Rice Associates Inc. 9-15-2021)

Table of RTK Network Localization Points with columns: Station ID, North, East, Elevation, and System (e.g., CS-Rice GPS).

Survey Control Points (Provided by Lane Construction Corp. 09-01-2022)

Large table of Survey Control Points with columns: Station ID, North, East, Elevation, System, Station ID, North, East, Elevation, System.

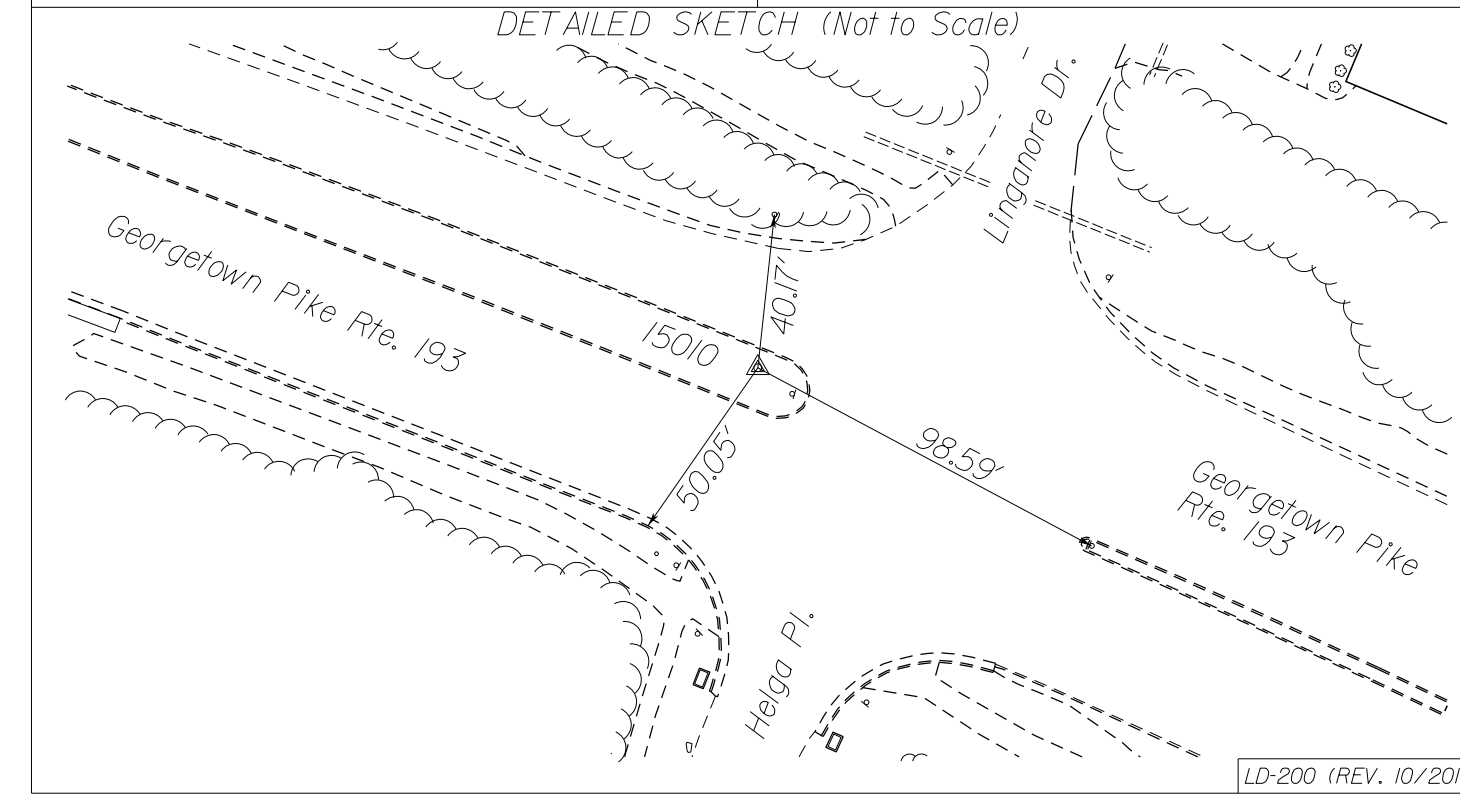
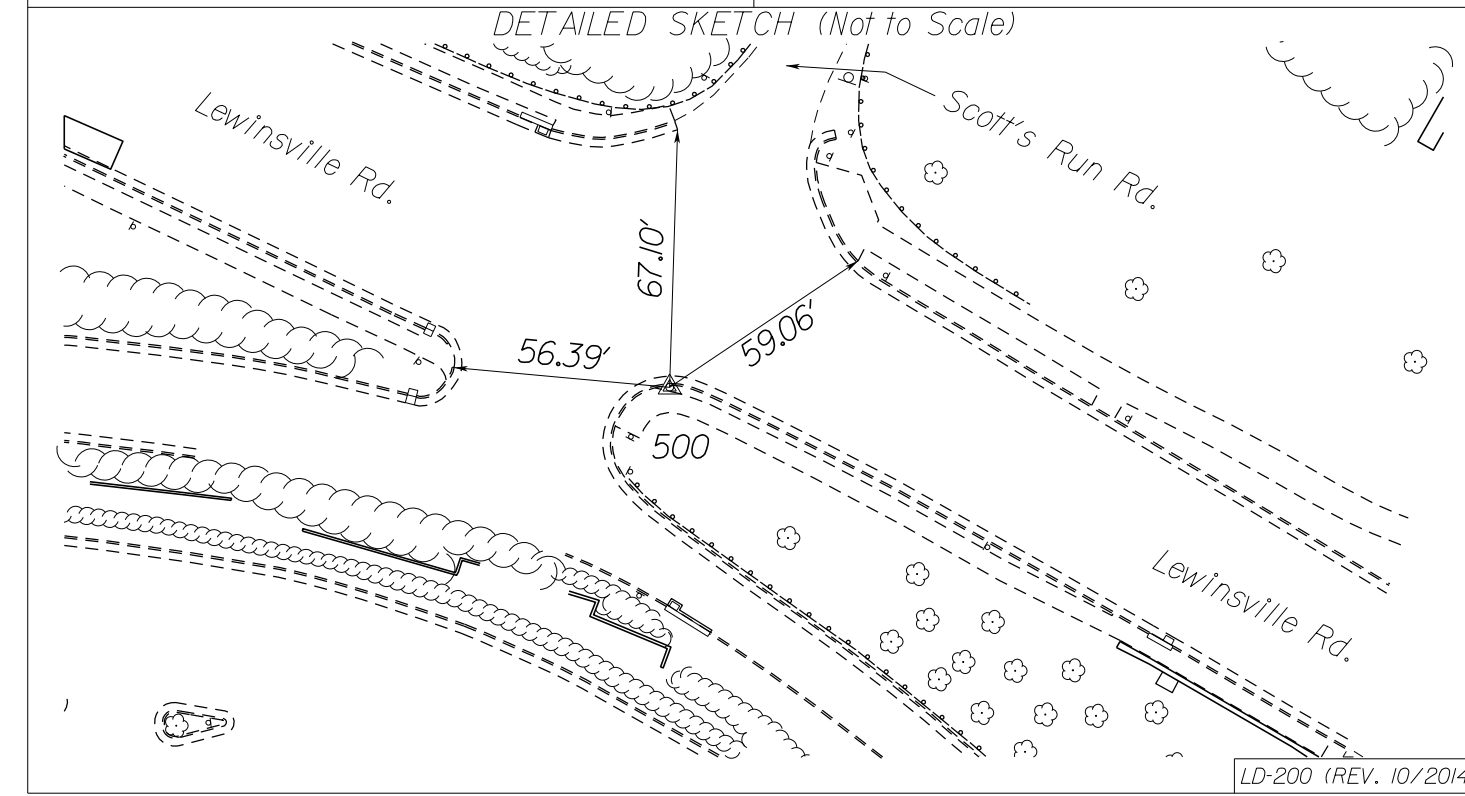


Table with 2 columns: VDOT Project Coordinates (Legacy) and VA State Plane Coordinates. Includes project info for Station I.D.: 501, Date: 10-19-2021.

Table with 2 columns: VDOT Project Coordinates (Legacy) and VA State Plane Coordinates. Includes project info for Station I.D.: 15011, Date: 05-18-2022.

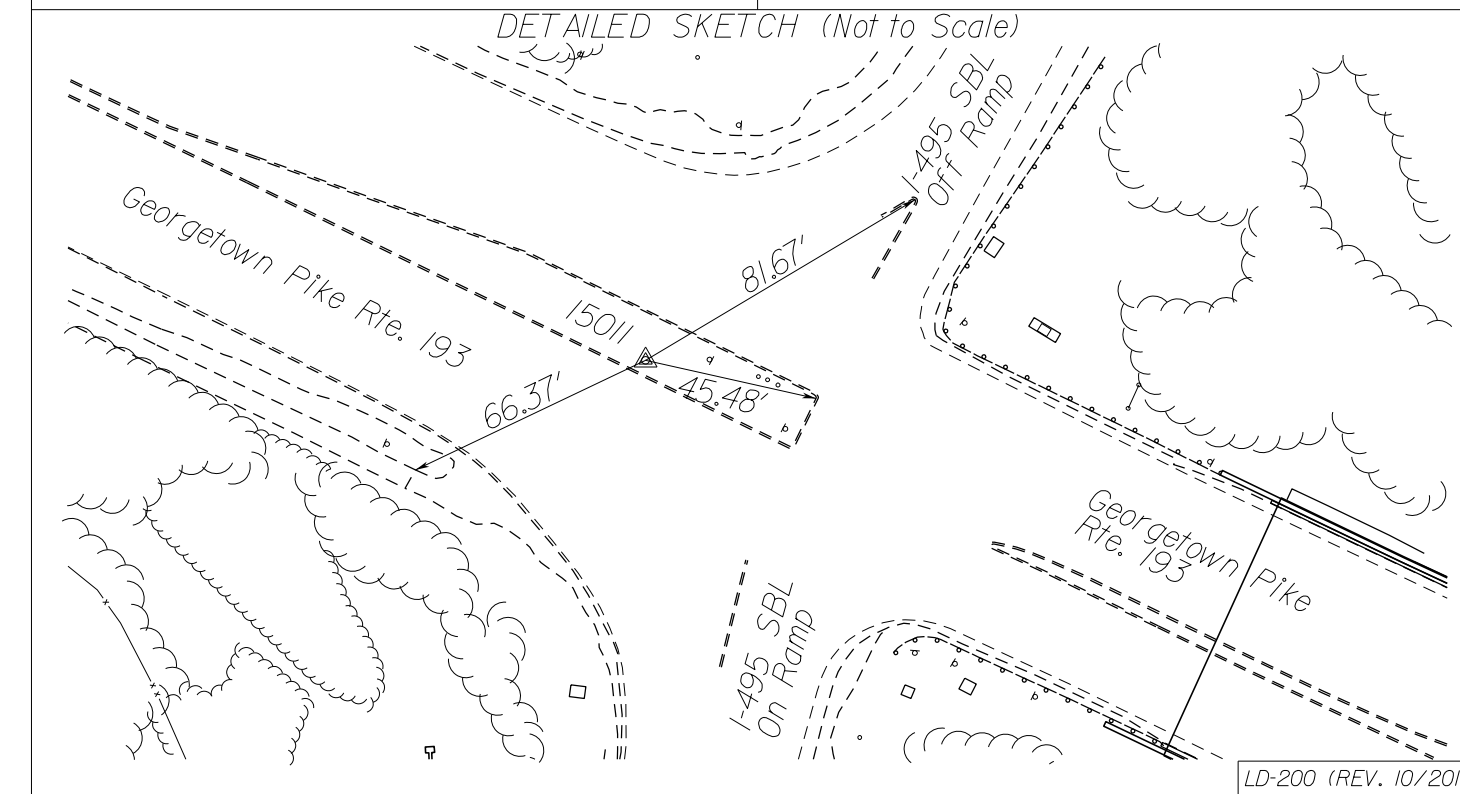
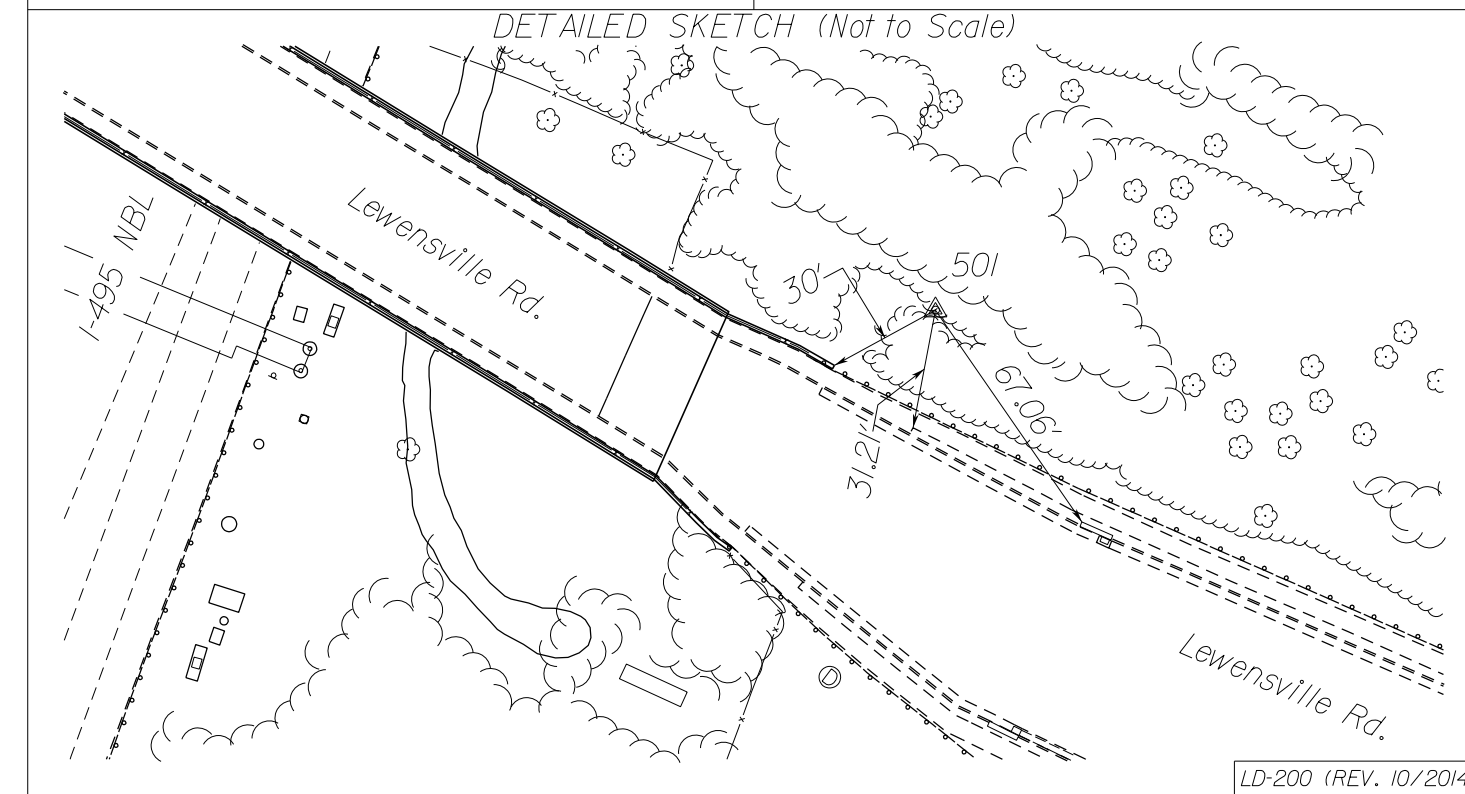


Table with columns: VDOT PROJECT NO., SHEET NO. Values: 0495-029-419, IF AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rita... SURVEYED BY, DATE... DESIGN BY... SUBSURFACE UTILITY BY, DATE...

Survey Drainage Descriptions

Table with columns: REVISED, STATE, ROUTE, VDOT PROJECT NO., SHEET NO. Values include VA, 495, 0495-029-419 C501 RW201, IF(6), AREA 2

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

- List of drainage descriptions numbered 173 to 363. Each entry includes details like 'In Pl. Metal Grate Rim = 296.92', 'In Pl. 24" Metal Pipe Inv. Out = 293.31', etc.

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rita Pal-Straub, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Survey Drainage Descriptions

REVISED	STATE		VDOT PROJECT NO.	SHEET NO.
	STATE	ROUTE		
	VA	495	0495-029-419 C501 RW201	IF(9) AREA 2

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

- 660 In Pl. FES
In Pl. 42" Conc. Pipe
Inv. = 265.02'
- 661 In Pl. SSMH
Rim = 271.58'
Inv. In = 263.68'
In Pl. 42" Conc. Pipe
Inv. Out = 263.63'
- 662 In Pl. Stormwater Mgmt. Str.
Metal Lid = 271.11'
Inv. In = 262.3' +/-
(a) In Pl. Unknown
Inv. Out = 260.3' +/-
(b) In Pl. 42" Conc. Pipe
Inv. Out = 262.3' +/-
Structure Is Surcharged
- 663 In Pl. SSMH
Rim = 273.12'
(a) In Pl. 21" Conc. Pipe
Inv. In = 259.72'
(b) In Pl. 42" Conc. Pipe
Inv. In = 259.72'
In Pl. 21" Conc. Pipe
Inv. Out = 259.52'
- 664 In Pl. Stormwater Mgmt. Str.
Metal Lid = 267.21'
Inv. In = 258.4' +/-
(a) In Pl. 1" PVC
Inv. Out = Inaccessible
(b) In Pl. 6" Iron
Inv. Out = Inaccessible
Structure Is Surcharged
- 665 In Pl. SSMH
Rim = 266.03'
(a) Inv. In = 259.33'
(b) Inv. In = 257.48'
(c) Inv. In = 258.28'
(d) Inv. In = 258.88'
(e) Inv. In = 259.08'
In Pl. 52" Conc. Pipe
Inv. Out = 256.83'
- 666 In Pl. Metal Grate
Rim = 262.93'
In Pl. 18" Conc. Pipe
Inv. Out = 259.33'
- 667 In Pl. Metal Grate
Rim = 263.53'
In Pl. 15" Conc. Pipe
Inv. Out = 259.93'
- 668 In Pl. FES
In Pl. 52" Conc. Pipe
Inv. = 253.24'
- 669 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. = 255.48'
- 670 In Pl. Metal Grate
Rim = 267.68'
In Pl. 15" Conc. Pipe
Inv. In = 263.96'
In Pl. 15" Conc. Pipe
Inv. Out = 261.08'
- 671 In Pl. 24" RCP
Inv. In = 233.10'
Inv. Out = 232.58'
- 672 In Pl. 6" Plastic Pipe
Inv. In = 232.72'
In Pl. 6" Plastic Pipe
Inv. Out = 232.38'
- 673 In Pl. 10" Conc. Pipe
Inv. In = 232.14'
Terminus Not Found
- 674 In Pl. 12" Metal Pipe
Inv. In = 285.38'
In Pl. 12" Metal Pipe
Inv. Out = 280.51'
- 675 In Pl. 10" Plastic
Inv. Out = 281.21'
(Origin Not Found)
- 676 In Pl. Conc. DI
Rim = 282.68'
In Pl. 8" x 48" Slot (Sides)
Inv. In = 281.72'
In Pl. 8" x 10" Slot (At Ditch)
Inv. = 278.70'
In Pl. 24" Conc. Pipe
Inv. Out = 277.81'
10" Sq. Opening Into Structure
- 677 In Pl. Conc. DI
Rim = 284.10'
(a) Inv. In = 277.87'
(b) Inv. In = 278.22'
In Pl. 24" Conc. Pipe
Inv. Out = 277.82'
- 678 In Pl. SSMH
Rim = 283.10'
Inv. In = 277.03'
In Pl. 24" Conc. Pipe
Inv. Out = 274.23'
- 679 In Pl. Conc. DI
Rim = 283.05'
In Pl. 15" Conc. Pipe
Inv. Out = 280.05'
- 680 In Pl. 15" Metal Pipe
Inv. In = 280.95'
In Pl. 15" Metal Pipe
Inv. Out = 280.04'
- 681 In Pl. Conc. Endwall
In Pl. 15" Conc. Pipe
Inv. = 292.05'
- 682 In Pl. SSMH
Rim = 289.76'
- 683 In Pl. Conc. DI
w/Grate
Grate Top = 293.58'
- 684 In Pl. SSMH
Rim = 306.99'
Inv. In = 303.09'
Inv. Out = 302.41'
- 684 In Pl. Metal Grate
Top = 286.74'
Inv. Out = 281.54'
- 685 In Pl. RCP
Inv. Out = 281.06'
- 686 In Pl. 15" CMP
Inv. In = 268.71'
Inv. Out = 267.89'
- 687 In Pl. 12" CMP
Inv. In = 274.06'
Inv. Out = 272.55'
- 688 In Pl. 15" CMP
Inv. In = 292.88'
Inv. Out = 291.20'
- 689 Inv. 18" RCP w/FES = 297.66'
- 690 In Pl. Conc. DI
Top = 303.43'
- 691 In Pl. Conc. DI
Top = 251.54'
- 692 Damaged 12" CMP
Estimated Inv. = 245.13'
- 693 In Pl. 60" CMP
Inv. In = 243.17'
Inv. Out = 239.17'
- 694 In Pl. SSMH
Rim = 249.39'
- 695 In Pl. 15" CMP
Inv. In = 283.50'
Inv. Out = 272.05'
- 696 In Pl. 18" Conc. Pipe
Inv. In = 239.91'
- 697 In Pl. 18" Conc. Pipe
Inv. In = 240.35'
- 698 In Pl. Drop Inlet
Rim = 254.45'
(a) Inv. In = 233.20'
(b) Inv. In = 233.20'
In Pl. 18" Conc. Pipe
Inv. Out = 233.15'
In Pl. 24" Conc. Pipe
- 699 In Pl. Drop Inlet
Rim = 254.58'
Inv. Out = 248.40'
In Pl. 18" Conc. Pipe
- 700 In Pl. Drop Inlet
Rim = 252.56'
(a) Inv. In = 246.91'
(b) Inv. In = 246.76'
In Pl. 18" Conc. Pipe
(c) Inv. In = 231.40'
In Pl. 24" Conc. Pipe
Inv. Out = 231.36'
In Pl. 24" Conc. Pipe
- 701 In Pl. Drop Inlet
Rim = 253.15'
Inv. In = 247.14'
In Pl. 18" Conc. Pipe
Inv. Out = 247.04'
In Pl. 18" Conc. Pipe
- 702 In Pl. Drop Inlet
Rim = 253.15'
Inv. In = 248.45'
In Pl. 18" Conc. Pipe
Inv. Out = 248.25'
In Pl. 18" Conc. Pipe
- 703 In Pl. Drop Inlet
Rim = 252.45'
Inv. Out = 248.65'
In Pl. 18" Conc. Pipe
- 704 In Pl. Drop Inlet
Rim = 246.32'
(a) Inv. In = 226.06'
In Pl. 24" Conc. Pipe
(b) Inv. In = 240.57'
In Pl. 18" Conc. Pipe
Inv. Out = 226.02'
In Pl. 24" Conc. Pipe
- 705 In Pl. Drop Inlet
Rim = 246.98'
Inv. Out = 240.86'
In Pl. 18" Conc. Pipe
- 706 In Pl. 24" Conc. Pipe
Inv. Out = 220.80'
- 707 In Pl. Metal Grate
Rim = 311.88'
Inv. Out = 308.31'
In Pl. 18" Conc. Pipe
- 708 In Pl. Metal Grate
Rim = 311.30'
Inv. In = 306.80'
In Pl. 18" Conc. Pipe
Inv. Out = 306.59'
In Pl. 18" Plastic Pipe
- 709 In Pl. 48" Conc. Pipe
Inv. In = 240.65'
Inv. Out = 240.59'
- 710 In Pl. 48" Conc. Pipe
Inv. In = 240.63'
Inv. Out = 240.21'
- 711 In Pl. Drop Inlet
Rim = 251.20'
Inv. Out = 246.80'
In Pl. 18" Conc. Pipe
- 712 In Pl. Drop Inlet
Rim = 251.76'
Inv. In = 246.31'
In Pl. 18" Conc. Pipe
Inv. Out = 246.06'
In Pl. 18" Conc. Pipe
- 713 In Pl. Drop Inlet
Rim = 252.69'
Inv. In = 243.49'
In Pl. 18" Conc. Pipe
Inv. Out = 243.29'
In Pl. 18" Conc. Pipe
- 714 In Pl. Drop Inlet
Rim = 252.69'
Inv. In = 242.89'
In Pl. 18" Conc. Pipe
Inv. Out = (Unable to Access)
In Pl. 18" Conc. Pipe
- 715 In Pl. 18" Conc. Pipe
Inv. Out = 235.68'
- 716 In Pl. 24" Conc. Pipe
Inv. In = 245.48'
Inv. Out = 245.26'
- 717 In Pl. 48" Conc. Pipe
Inv. In = 249.48'
Inv. Out = 249.05'
- 718 In Pl. 24" Metal Pipe
Inv. In = 252.09'
Inv. Out = 252.64'
In Pl. 48" Conc. Pipe
- 719 In Pl. Plastic Grate
Rim = 264.40'
Inv. In = 263.70'
In Pl. 4" Plastic Pipe
Inv. Out = 255.75'
In Pl. 4" Plastic Pipe
- 720 In Pl. Grate Inlet
Rim = 267.18'
Inv. Out = 262.43'
- 721 In Pl. Drop Inlet
Rim = 264.43'
Inv. In (15" RCP) = 257.83'
Inv. In (18" RCP) = 257.63'
Inv. Out = 257.43' (Cannot Find Outfall End)
- 232a In Pl. Metal Grate
Rim = 240.44' (per 2014 Plan)
In Pl. 18" CMP (per 2014 Plan)
Bottom of Structure = 234.19' (per 2014 Plan)
- 234a In Pl. Metal Grate
Rim = 240.58' (per 2014 Plan)
In Pl. 15" Conc. Pipe Surcharged (per 2014 Plan)
Bottom of Structure = 236.46' (per 2014 Plan)
- 722 In Pl. Conc. DI
Rim = 230.90'
Inv. Out (18" RCP) = 225.10'
- 723 In Pl. 18" Conc. Pipe
Inv. Out = 223.91'
- 724 In Pl. 48" Conc. Pipe
Inv. In = 233.07'
Inv. Out = 232.44'
- 725 In Pl. 48" Conc. Pipe
Inv. In = 233.02'
Inv. Out = 232.23'
- 726 In Pl. 24" Conc. Pipe
Inv. In = 236.56'
Inv. Out = 236.48'
- 727 In Pl. 24" Conc. Pipe
Inv. In = 236.60'
Inv. Out = 236.36'
- 728 In Pl. 42" Conc. Pipe
Inv. In = 259.37'
Inv. Out = 256.35'
- 729 In Pl. 36" Conc. Pipe
Inv. In = 261.00'
Inv. Out = 260.73'
- 730 In Pl. 18" Conc. Pipe
Inv. In = 266.13'
Inv. Out = 263.64'
- 731 In Pl. Wingwall
In Pl. 58"(h) x 48"(w) Box Culvert
(a) Inv. = 264.02'
In Pl. 58"(h) x 48"(w) Box Culvert
(b) Inv. = 263.52'
- 732 In Pl. 15" Conc. Pipe
Inv. In = 262.64'
Inv. Out = 260.45'
- 733 In Pl. 21" Metal Pipe
Inv. In = 266.33'
Inv. Out = 265.58'
- 734 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. In = 236.86'
Inv. Out = 233.73'
- 735 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. In = 299.32'
Inv. Out = 298.25'

NOVA DISTRICT

VDOT PROJECT NO. 0495-029-419	SHEET NO. IF(9) AREA 2
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APPROVED FOR CONSTRUCTION

CONSTRUCTION ALIGNMENT

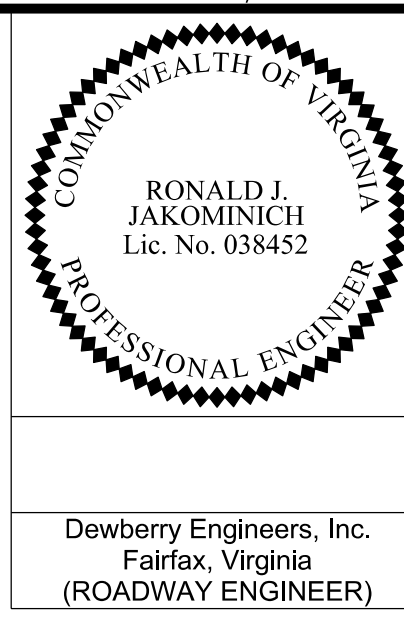


Table with columns: STATE, ROUTE, VDOT PROJECT NO., SHEET NO. Values: VA, 495, 0495-029-419 C501 RW201, IG AREA 2

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 VDOT -- Rita S. Smith, PE, (703) 259-2362
SURVEYED BY, DATE RDA -- Nicholas Kaugall, LS, (703) 334-0837, 12/20/21
DESIGN BY, DATE RDA -- Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark -- Michael Taylor, LS, (703) 635-3060, 12/20/21

Beginning chain DTR_RMP_G10 description

Curve Data

Curve DTR_RMP_G10-3
P.I. Station 18+78.62 N 464,124.85 E 3,648,383.86
Delta = 16° 11' 58.92" (RT)
Degree = 7° 38' 21.97"

Course from PT DTR_RMP_G10-3 to PC DTR_RMP_G10-4 N 19° 52' 38.80" E Dist 155.58

Curve Data

Curve DTR_RMP_G10-4
P.I. Station 23+51.57 N 464,570.96 E 3,648,545.15
Delta = 2° 58' 51.36" (RT)
Degree = 0° 42' 10.86"

Beginning chain 495GP_NB description

Curve Data

Curve 495GP_NB3
P.I. Station 1072+87.57 N 464,294.67 E 3,648,369.83
Delta = 1° 33' 05.79" (RT)
Degree = 0° 14' 19.87"

Curve Data *-----*

Curve 495GP_NB4
P.I. Station 1079+42.52 N 464,894.47 E 3,648,632.97
Delta = 2° 36' 23.90" (LT)
Degree = 0° 23' 41.34"

Curve Data *-----*

Curve 495GP_NB5
P.I. Station 1087+57.83 N 465,655.32 E 3,648,926.27
Delta = 1° 02' 58.93" (RT)
Degree = 0° 06' 29.38"

Ending chain 495GP_NB description

Beginning chain 495XL_NB description

Description: 495 NB Express

Course from PT 495XL_NB-3 to PC 495XL_NB-4 N 27° 31' 33.39" E Dist 77.39

Curve Data

Curve 495XL_NB-4
P.I. Station 572+30.83 N 464,577.94 E 3,648,432.18
Delta = 4° 25' 11.02" (LT)
Degree = 0° 30' 45.60"

Course from PT 495XL_NB-4 to PC 495XL_NB-5 N 23° 06' 22.37" E Dist 876.13

Curve Data

Curve 495XL_NB-5
P.I. Station 586+54.65 N 465,887.93 E 3,648,991.11
Delta = 1° 06' 52.92" (LT)
Degree = 0° 28' 37.16"

Curve Data *-----*

Curve 495XL_NB-6
P.I. Station 598+40.82 N 466,987.80 E 3,649,435.30
Delta = 2° 18' 42.03" (RT)
Degree = 0° 06' 29.18"

Course from PT 495XL_NB-6 to PC 495XL_NB-7 N 24° 18' 11.48" E Dist 471.51

Curve Data

Curve 495XL_NB-7
P.I. Station 621+95.39 N 469,133.98 E 3,650,404.48
Delta = 19° 49' 26.95" (N)
Degree = 1° 13' 47.80" (RT)

Course from PT 495XL_NB-7 to PC 495XL_NB-8 N 44° 07' 38.43" E Dist 654.15

Curve Data *-----*

Curve DTR_RMP_E15
P.I. Station 45+18.01 N 464,241.93 E 3,648,294.18
Delta = 3° 09' 20.62" (LT)
Degree = 1° 03' 32.66"

Curve Data *-----*

Curve DTR_RMP_E16
P.I. Station 48+22.09 N 464,522.69 E 3,648,411.14
Delta = 2° 12' 28.67" (RT)
Degree = 0° 42' 42.30"

Ending chain DTR_RMP_E1 description

Beginning chain 495XL_SB description

Curve Data

Curve 495XL_SB3
P.I. Station 165+48.68 N 464,040.13 E 3,647,895.40
Delta = 15° 50' 16.35" (RT)
Degree = 2° 29' 28.04"

Course from PT 495XL_SB3 to PC 495XL_SB4 N 36° 33' 10.89" E Dist 344.15

Curve Data

Curve 495XL_SB4
P.I. Station 174+50.56 N 464,767.89 E 3,648,434.96
Delta = 13° 47' 30.39" (LT)
Degree = 2° 51' 53.24"

Course from PT 495XL_SB4 to PC 495XL_SB5 N 22° 45' 40.50" E Dist 1,216.44

Curve Data *-----*

Curve 495XL_SB5
P.I. Station 190+89.27 N 466,281.14 E 3,649,069.87
Delta = 0° 44' 51.98" (RT)
Degree = 0° 12' 16.66"

Curve Data *-----*

Curve 495XL_SB6
P.I. Station 200+56.11 N 467,167.73 E 3,649,455.54
Delta = 0° 17' 58.26" (RT)
Degree = 0° 01' 08.75"

Curve Data *-----*

Curve 495XL_SB7
P.I. Station 211+91.42 N 468,206.43 E 3,649,913.84
Delta = 1° 49' 44.54" (RT)
Degree = 0° 15' 37.57"

Curve Data *-----*

Curve 495XL_SB8
P.I. Station 223+23.06 N 469,226.71 E 3,650,403.50
Delta = 18° 28' 18.58" (RT)
Degree = 1° 11' 37.18"

Course from PT 495XL_SB8 to PC 495XL_SB9 N 44° 06' 33.87" E Dist 780.99

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rita ...
SURVEYED BY DATE_RDA - Nicholas ...
DESIGN BY_RDA - Darrell Fischer ...
SUBSURFACE UTILITY BY DATE - Accumark ...

CONSTRUCTION ALIGNMENT

Table with columns: REVISED, STATE, ROUTE, VDOT PROJECT NO., SHEET NO. Values: VA, 495, 0495-029-419, 1G(1) AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

Beginning chain ODD description
Point 10007 N 468,555.24 E 3,648,867.55 Sta 10+00.00
Course from 10007 to PC ODD1 N 85° 49' 20.41" E Dist 175.00

Curve ODD1
P.I. Station 12+42.31 N 468,572.90 E 3,649,109.21
Delta = 3° 51' 17.83" (RT)
Degree = 2° 51' 53.24"

Curve ODD2
P.I. Station 17+48.87 N 468,575.75 E 3,649,615.82
Delta = 19° 31' 55.79" (RT)
Degree = 5° 22' 11.28"

Curve ODD3
P.I. Station 27+32.83 N 468,250.83 E 3,650,548.36
Delta = 6° 35' 45.86" (RT)
Degree = 2° 29' 12.47"

Curve ODD4
P.I. Station 32+01.72 N 468,046.59 E 3,650,970.76
Delta = 6° 29' 38.26" (LT)
Degree = 0° 57' 58.33"

Table with columns: VDOT PROJECT NO., SHEET NO. Values: 0495-029-419, 1G(1) AREA 2

Curve Data *-----*
Curve LEW_TRL3
P.I. Station 13+36.30 N 465,289.92 E 3,648,420.82
Delta = 7° 11' 30.20" (LT)
Degree = 11° 27' 32.96"

Beginning chain LEW_RD description
Point 1000 N 464,581.45 E 3,648,994.57 Sta 10+00.00
Course from 1000 to PC LEW_RD1 N 66° 18' 10.84" W Dist 186.53

Curve LEW_RD1
P.I. Station 12+39.39 N 464,677.66 E 3,648,775.36
Delta = 7° 43' 49.01" (RT)
Degree = 7° 19' 22.69"

Curve LEW_RD2
P.I. Station 18+60.23 N 465,001.45 E 3,648,245.47
Delta = 4° 44' 46.87" (RT)
Degree = 7° 09' 43.10"

Beginning chain LEW_TRL description
Curve LEW_TRL1
P.I. Station 10+02.49 N 465,073.11 E 3,648,239.08
Delta = 93° 54' 55.95" (RT)
Degree = 381° 58' 18.71"

Curve LEW_TRL2
P.I. Station 10+71.53 N 465,027.01 E 3,648,300.22
Delta = 102° 22' 30.56" (LT)
Degree = 163° 42' 08.02"

Curve Data *-----*
Curve LEW_TRL4
P.I. Station 14+38.50 N 465,387.49 E 3,648,451.50
Delta = 7° 56' 11.52" (RT)
Degree = 11° 27' 32.96"

Curve LEW_TRL5
P.I. Station 17+44.89 N 465,664.40 E 3,648,582.91
Delta = 1° 57' 27.85" (RT)
Degree = 11° 27' 32.96"

Curve LEW_TRL6
P.I. Station 18+24.77 N 465,735.35 E 3,648,619.60
Delta = 2° 49' 55.58" (LT)
Degree = 5° 43' 46.48"

Curve LEW_TRL7
P.I. Station 20+03.58 N 465,898.05 E 3,648,693.80
Delta = 0° 52' 27.74" (RT)
Degree = 5° 43' 46.48"

Curve LEW_TRL8
P.I. Station 20+30.58 N 465,898.05 E 3,649,996.39
Delta = 1° 22' 55.89" (RT)
Degree = 1° 10' 04.88"

Curve Data *-----*
Curve LEW_TRL8
P.I. Station 24+38.40 N 466,290.88 E 3,648,880.22
Delta = 2° 40' 06.24" (RT)
Degree = 5° 43' 46.48"

Curve LEW_TRL9
P.I. Station 33+61.29 N 467,105.32 E 3,649,314.30
Delta = 4° 24' 55.82" (LT)
Degree = 11° 27' 32.96"

Curve LEW_TRL10
P.I. Station 38+20.03 N 467,525.59 E 3,649,498.26
Delta = 0° 10' 04.13" (RT)
Degree = 0° 01' 08.73"

Curve LEW_TRL11
P.I. Station 46+12.38 N 468,250.51 E 3,649,818.12
Delta = 1° 49' 44.54" (RT)
Degree = 0° 15' 33.10"

Curve LEW_TRL12
P.I. Station 50+24.35 N 468,621.97 E 3,649,996.39
Delta = 1° 22' 55.89" (RT)
Degree = 1° 10' 04.88"

Curve Data *-----*
Curve SRT_11
P.I. Station 10+58.25 N 468,513.63 E 3,649,513.98
Delta = 79° 31' 41.62" (LT)
Degree = 81° 51' 04.01"

Curve SRT_12
P.I. Station 13+48.32 N 468,434.52 E 3,649,813.10
Delta = 96° 02' 38.45" (RT)
Degree = 88° 08' 50.47"

Curve SRT_13
P.I. Station 15+70.09 N 468,194.08 E 3,649,721.49
Delta = 86° 22' 14.97" (LT)
Degree = 88° 08' 50.47"

Curve SRT_14
P.I. Station 15+09.08 N 468,251.09 E 3,649,743.21
Delta = 16+07.07 N 468,168.79 E 3,649,777.01
C.C. N 468,227.95 E 3,649,803.95

Curve SRT_15
P.I. Station 16+07.07 N 468,168.79 E 3,649,777.01
Delta = 16+07.07 N 468,168.79 E 3,649,777.01
C.C. N 468,227.95 E 3,649,803.95

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS, (703) 635-3060, 12/2021

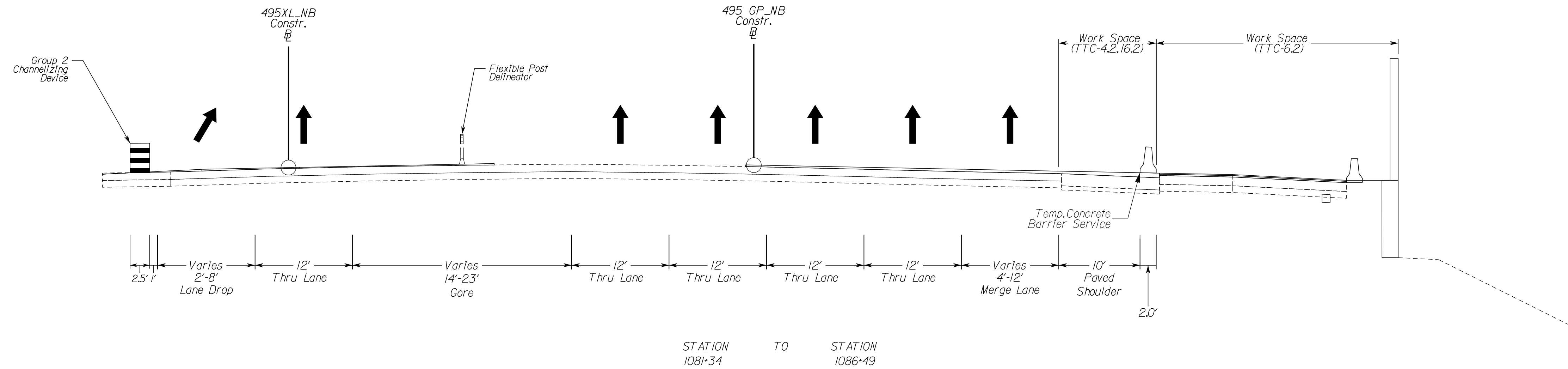
Temporary Traffic Control Narrative and Typical Sections Phase IA

GERARD MRYKALO
Lic. No. 047293

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

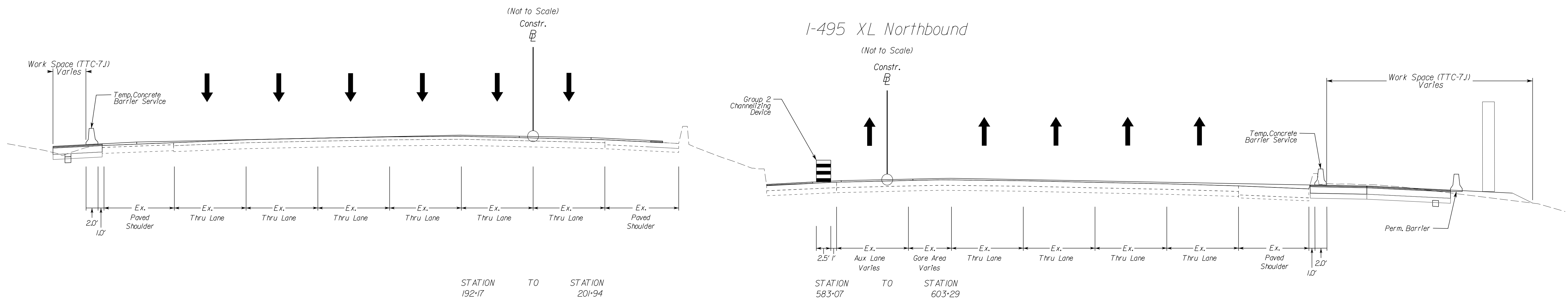
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	VA.	495		0495-029-419 PE101 CS01 RW201	1/1(A)2 AREA 2

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



I-495 XL Southbound

I-495 XL Northbound



NOVA DISTRICT

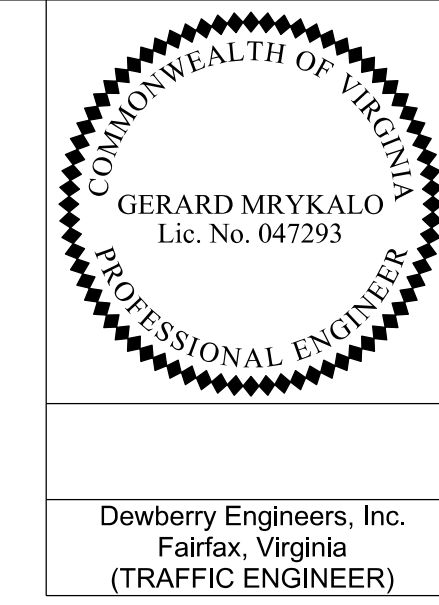
12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1/1(A)2 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS, (703) 635-3060, 12/2021

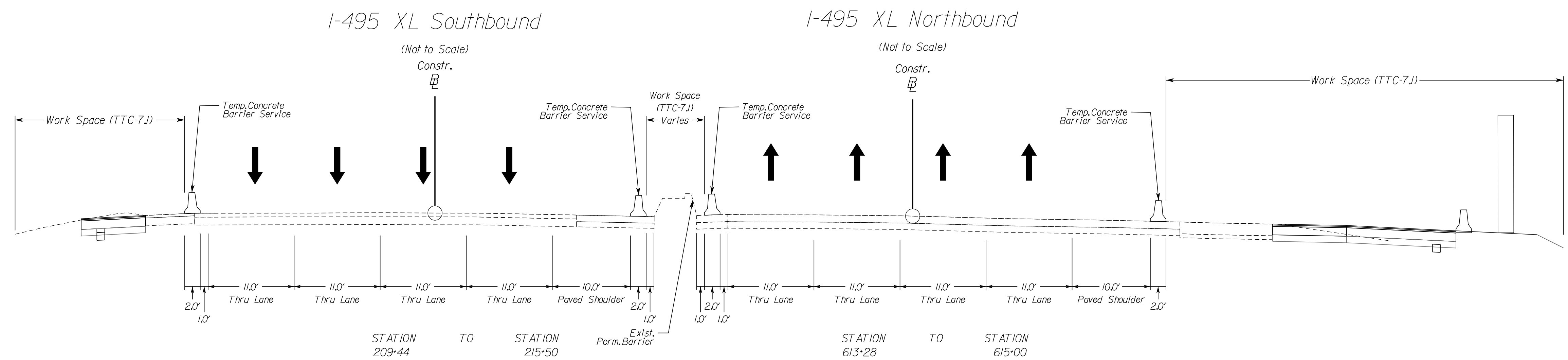
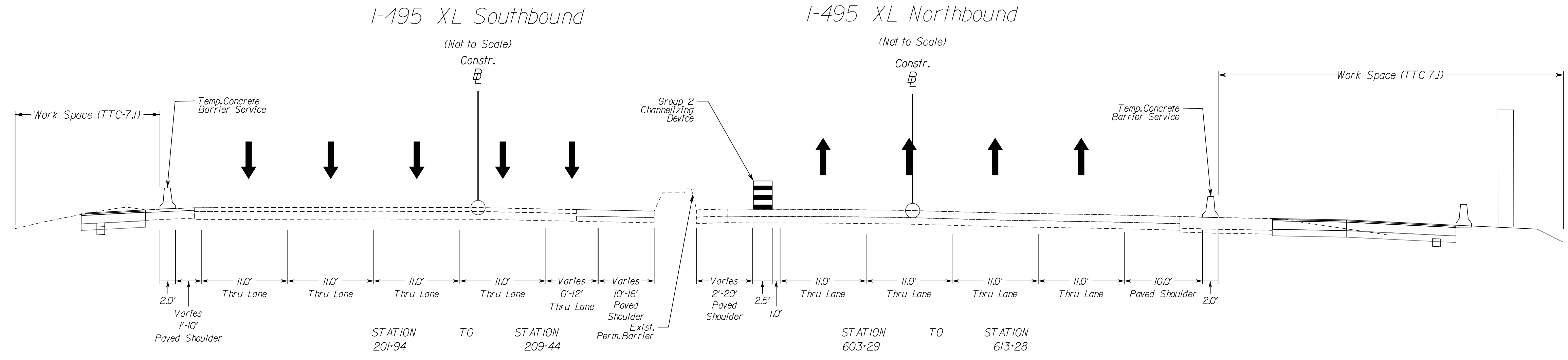
Temporary Traffic Control Narrative and Typical Sections Phase 1A



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1/11A)3 AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)



NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1/11A)3 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS (703) 635-3060, 12/2021

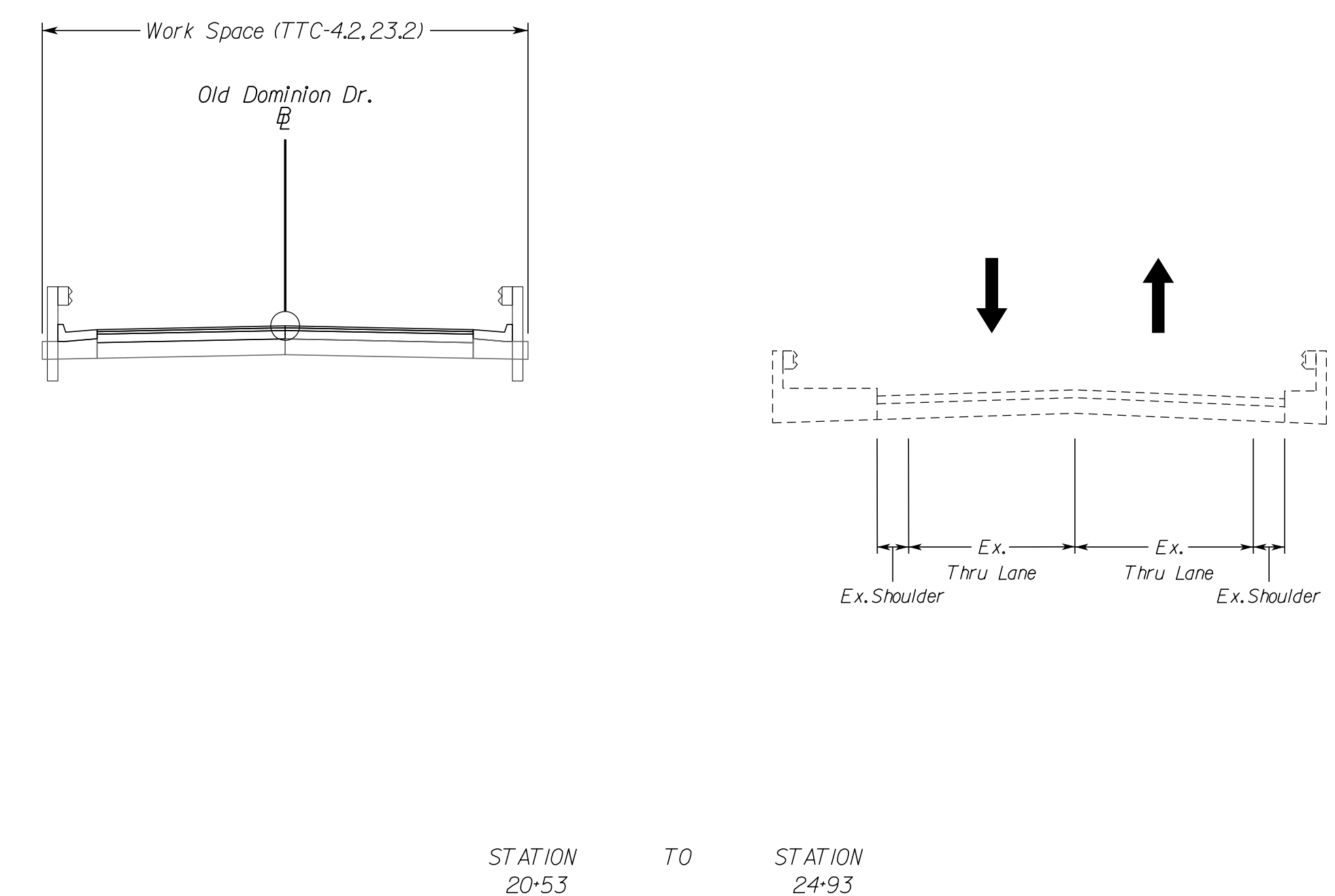
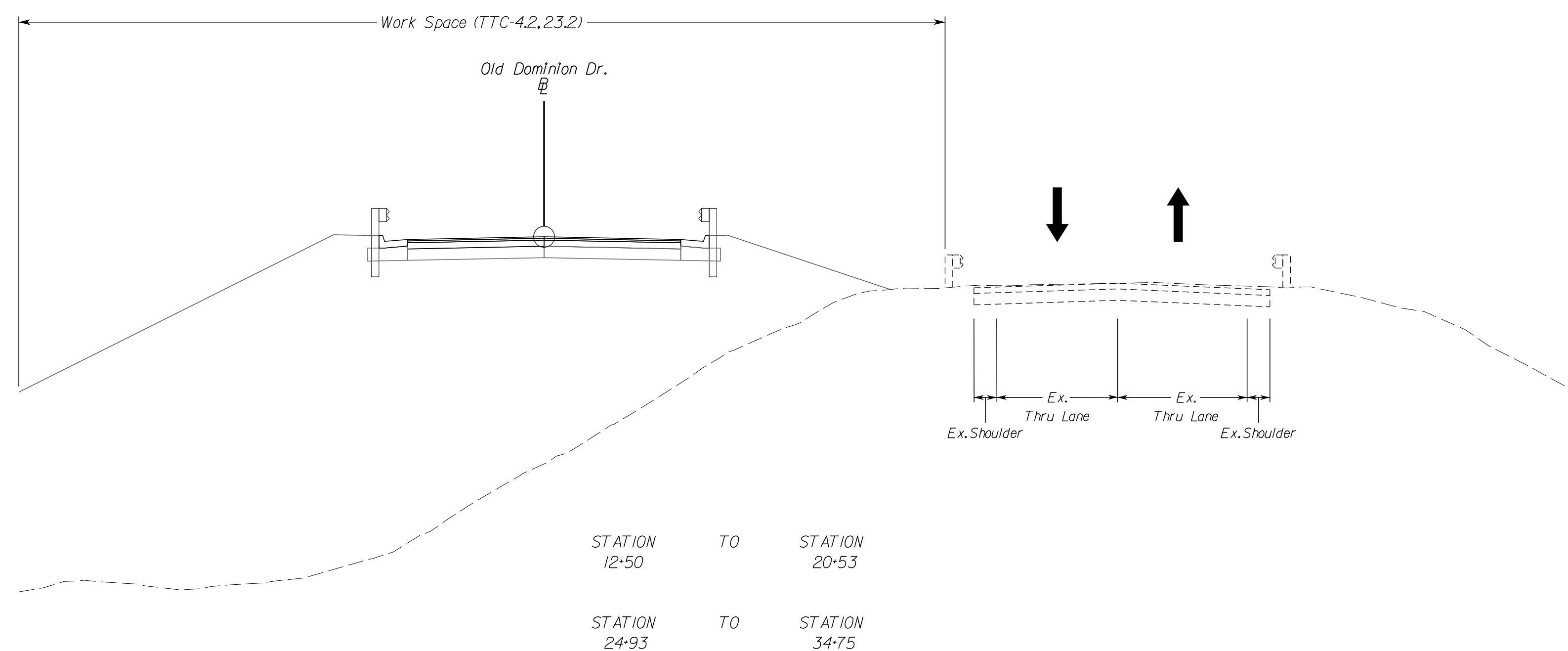
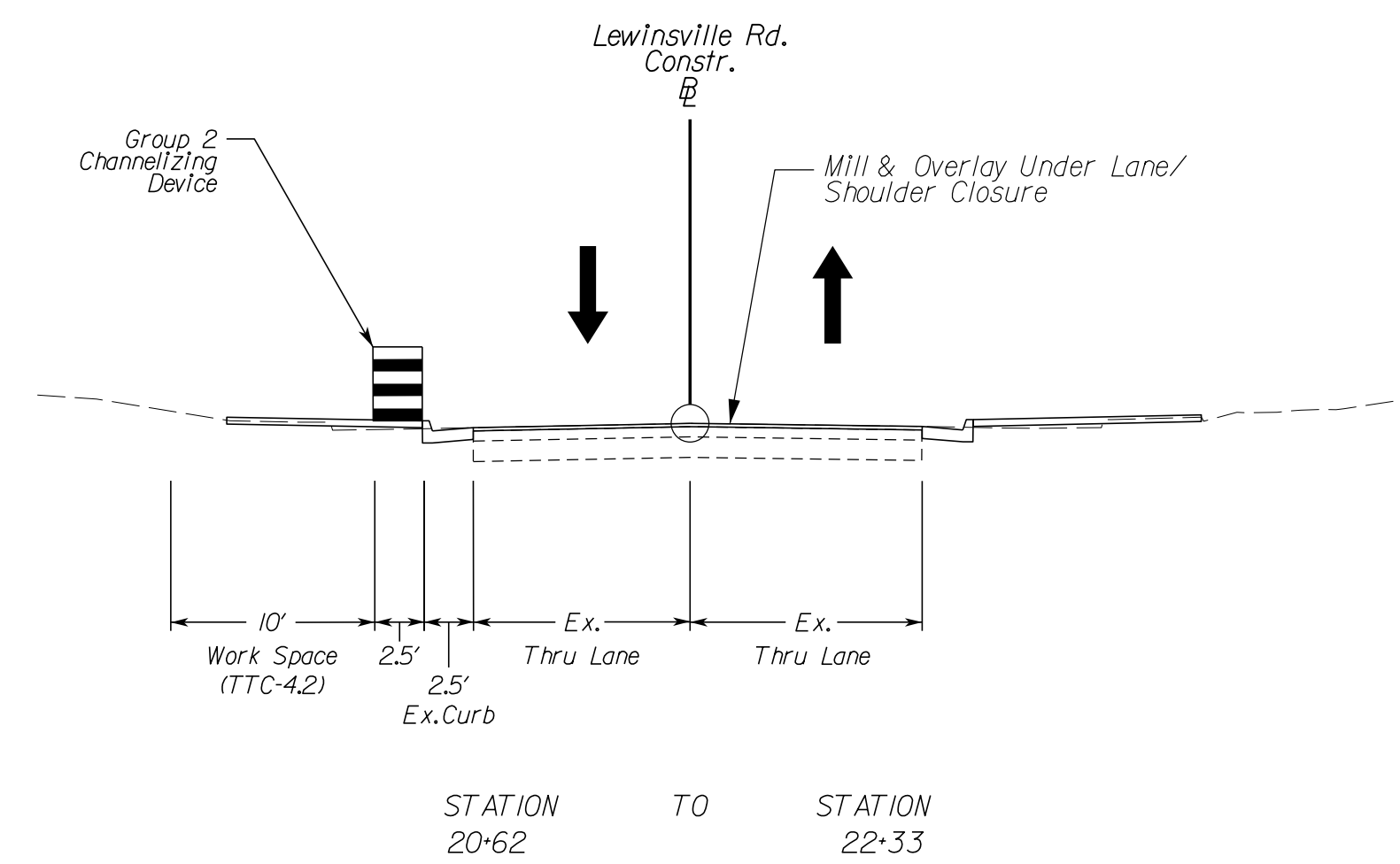
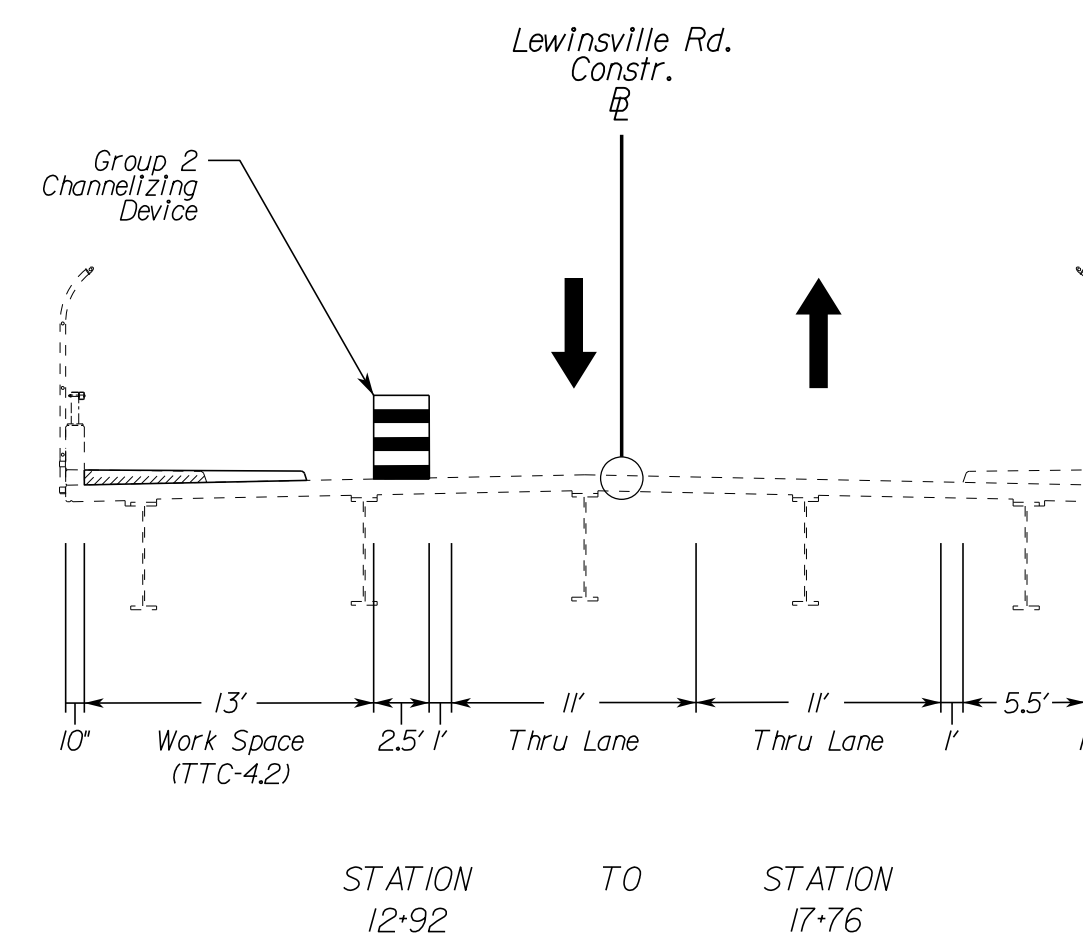
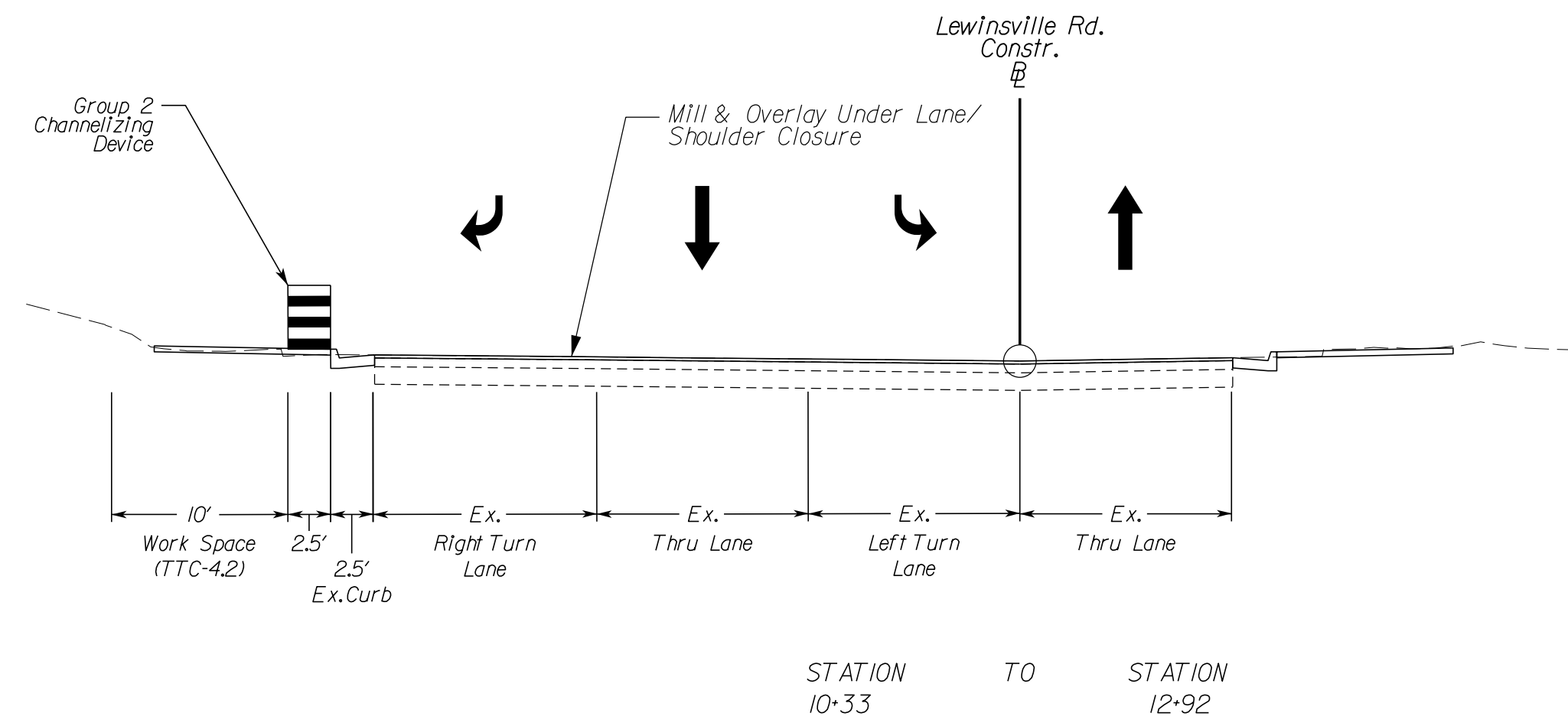
Temporary Traffic Control Narrative and Typical Sections Phase IA

GERARD MRYKALO
Lic. No. 047293

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	111A4 AREA 2

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



NOVA DISTRICT

12/16/2022

NOT TO SCALE

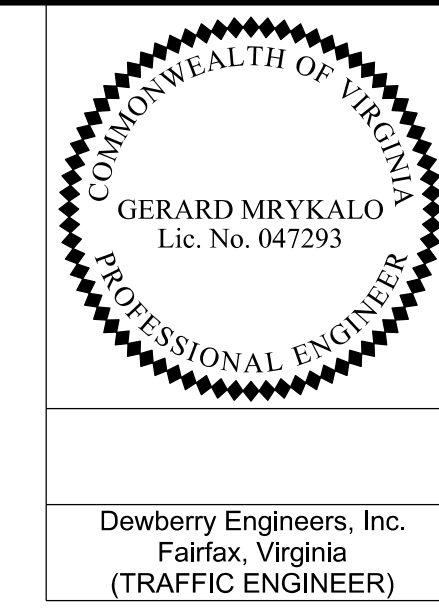
VDOT PROJECT NO.
0495-029-419

SHEET NO.
111A4
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomajich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Narrative and Typical Sections Phase IB



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	111B11 AREA 2

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

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

Sequence of Construction

Phase IB

Purpose: Install temporary traffic control devices including work zone signs, temporary pavement markings and raised markers, concrete barrier service and channelizing devices. These protective measures will allow construction of:
 - I-495 Northbound and Southbound mill & overlay, temporary pavement, and outside widening
 - Lewinsville Road and bridge
 - Old Dominion Drive reconstruction and bridge

Advanced signing and any other required traffic control devices associated with each section of the Project are to be installed prior to beginning construction in that section. All conflicting traffic control devices are to be removed or modified, as necessary. Group 2 Channelizing devices may be used to close adjacent lane/shoulder (TTC-4.2/16.2), as necessary, to establish the work space prior to setting barrier and beginning construction activities.

All mill & overlay locations shown in the plans, where located under traffic, shall be constructed utilizing lane/shoulder closures, as allowed per note 3 on sheet 11101.

Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 2, typical applications for this package may include, but not limited to: TTC-11, 4, 5, 2, 6, 2, 7, 1, 16, 2, 17, 2, 18, 2, 23, 2, 28, 2, 29, 2, 37, 2, 38, 2, 39, 2, 40, 2, 53, 0, 55, 1, 60, 0, 63, 2 or other typical applications, as necessary.

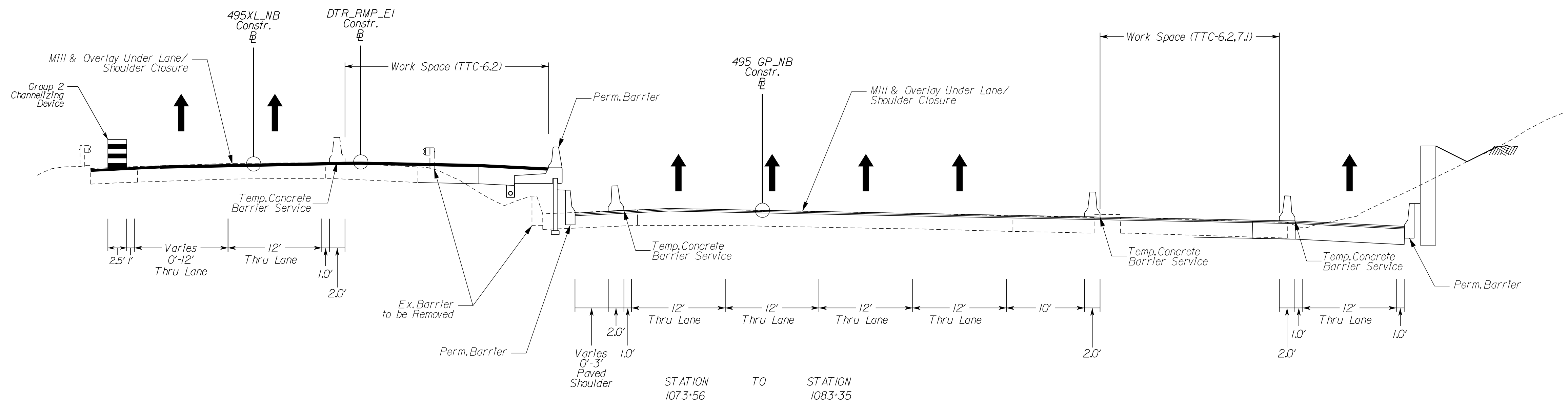
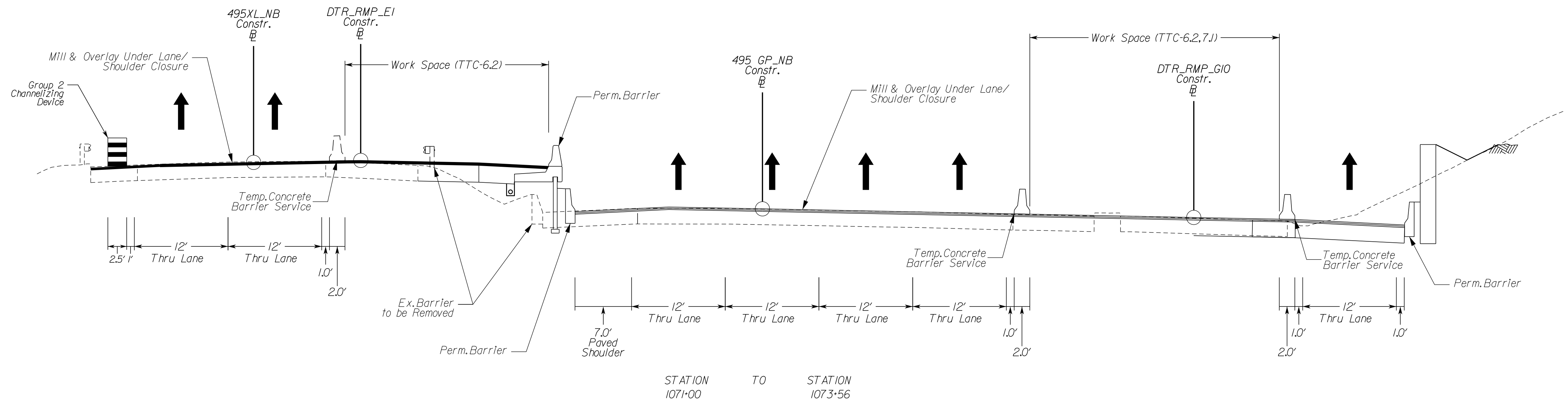
Install temporary pavement markings, raised markers, signage and other temporary traffic control devices, as required per VWAPM, including barrier flare rates and warning lights to protect work areas as shown on the plans.

Install temporary traffic barrier service, Group II Channelizing Devices and Impact attenuators TL-3, Type I, throughout the project as shown on the plans. Contractor has the ability to remove these items once no longer required to protect work area.

All construction entrances shown may not be open/active throughout this entire phase of construction. The Contractor has the ability to open and close construction access points, as necessary, as construction progresses. The construction entrances shown are suggested locations, and may be moved as field conditions dictate.

Temporary custom overhead guide signs and modifications and skid/post design will be detailed as part of shop drawings for review by engineer and the Department prior to fabrication. The construction in the immediate area of these sign locations and the associated protection will need to be sequenced to move to an appropriate completed area, to then allow completion of the original location.

Refer to ITS plans, under separate cover, for PCMS locations and CCTV adjustments.



NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 111B11 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougaull's, LS (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accurmark - Michael Taylor, LS (703) 635-3060, 12/2021

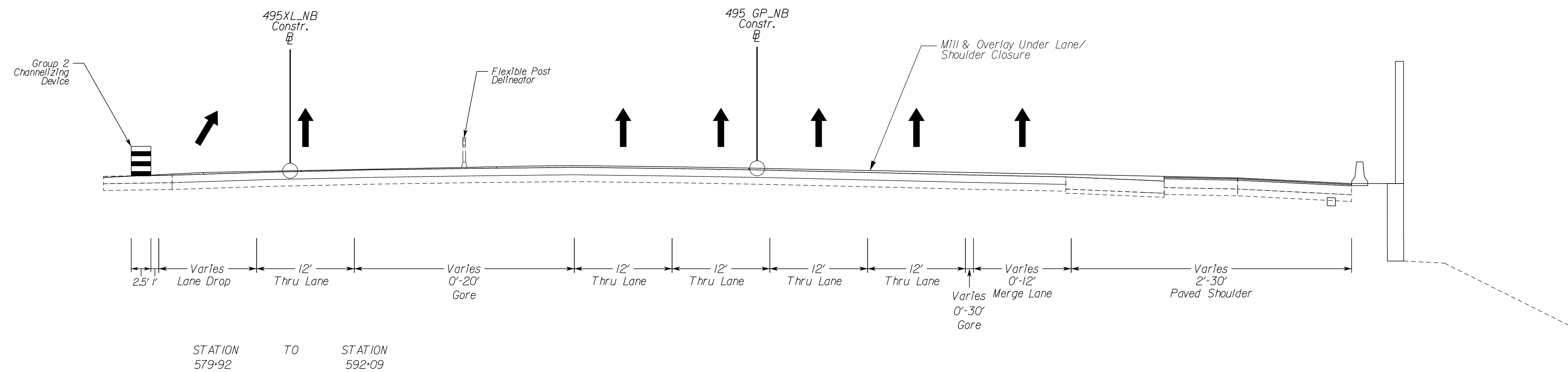
Temporary Traffic Control Narrative and Typical Sections Phase 1B

GERARD MRYKALO
Lic. No. 047293

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

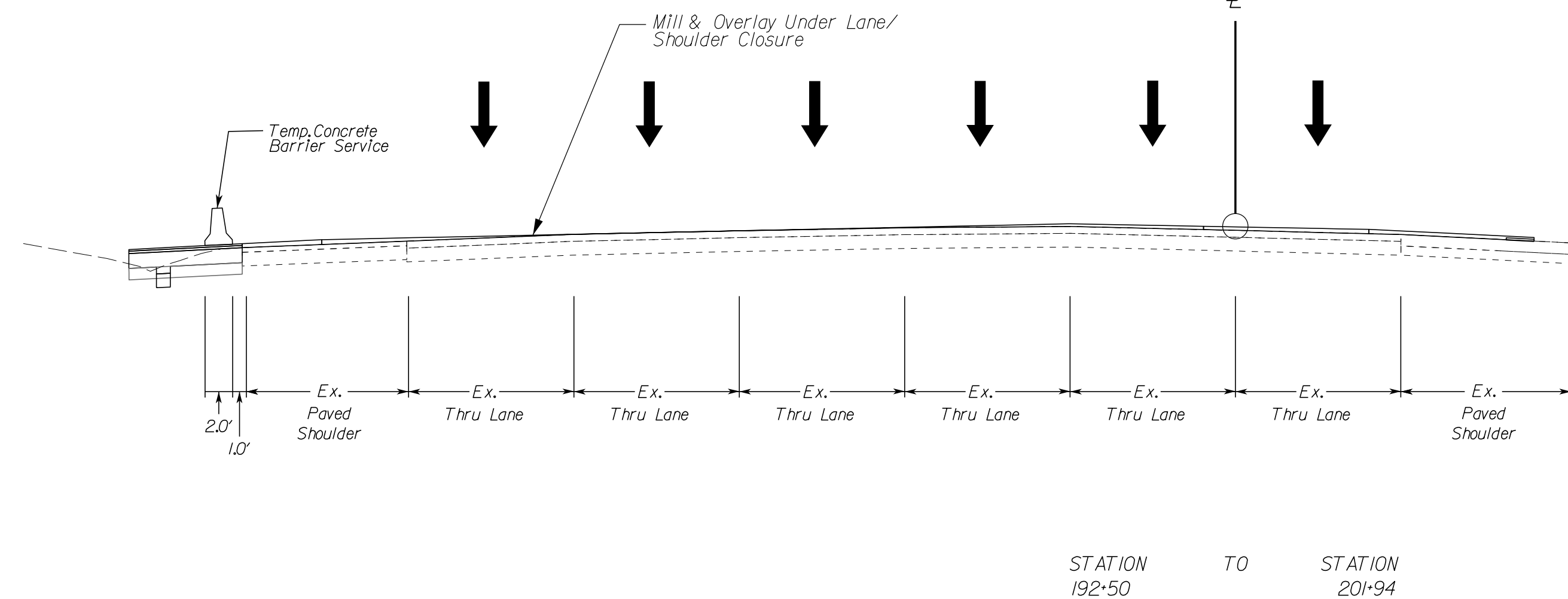
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419	11(1)12
				PE101 CS01 RW201	AREA 2

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



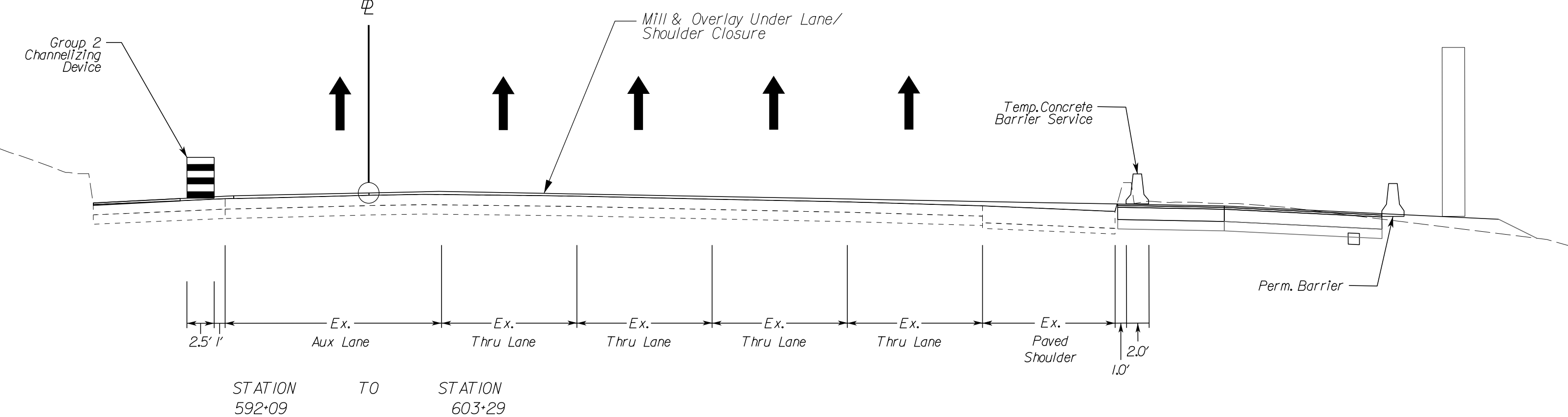
I-495 XL Southbound

(Not to Scale)
Constr. B



I-495 XL Northbound

(Not to Scale)
Constr. B



NOVA DISTRICT

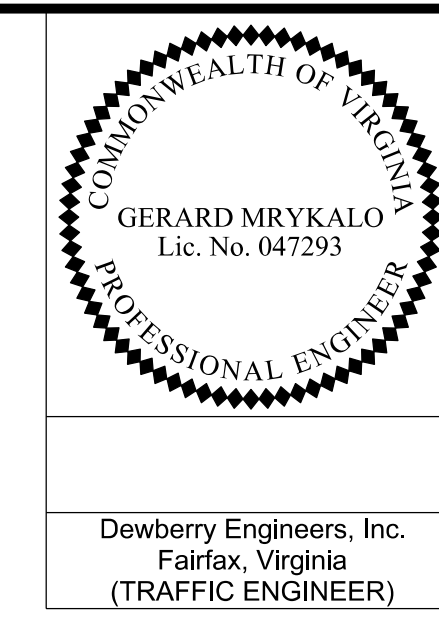
12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 11(1)12 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaoullis, L.S. (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomilich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

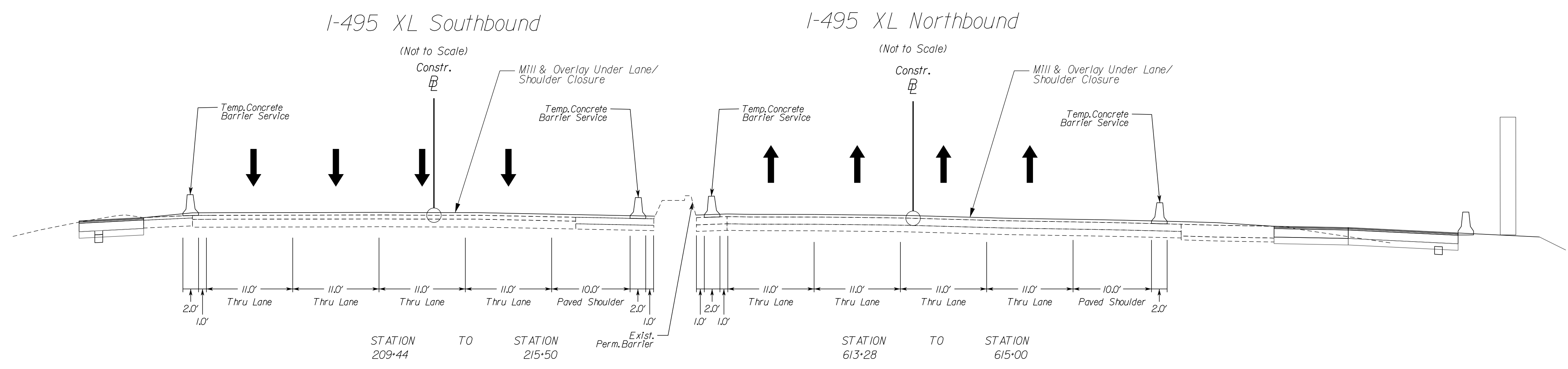
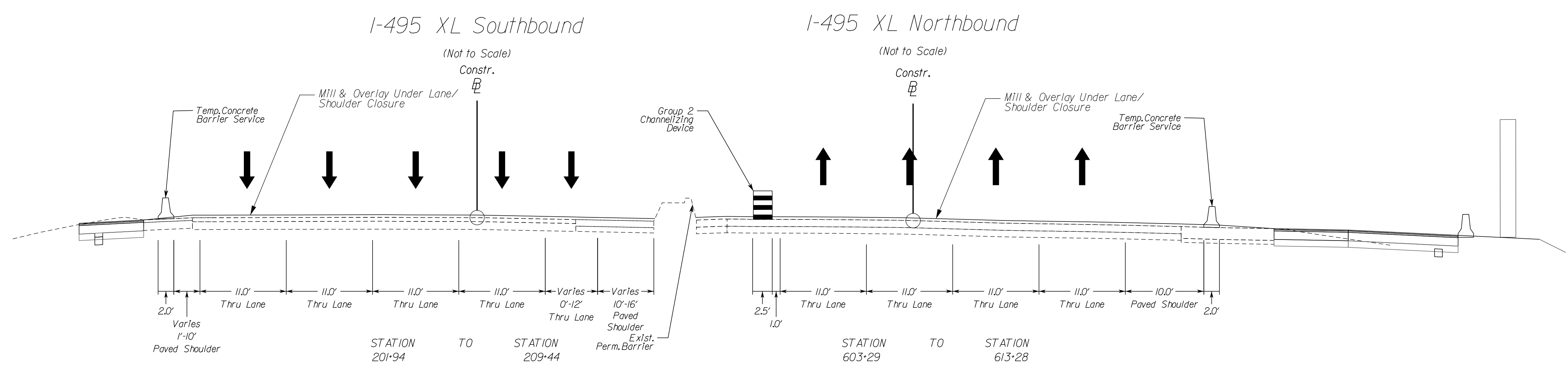
Temporary Traffic Control Narrative and Typical Sections Phase 1B



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1/11B)3 AREA 2

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

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)



NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1/11B)3 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull's, L.S. (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

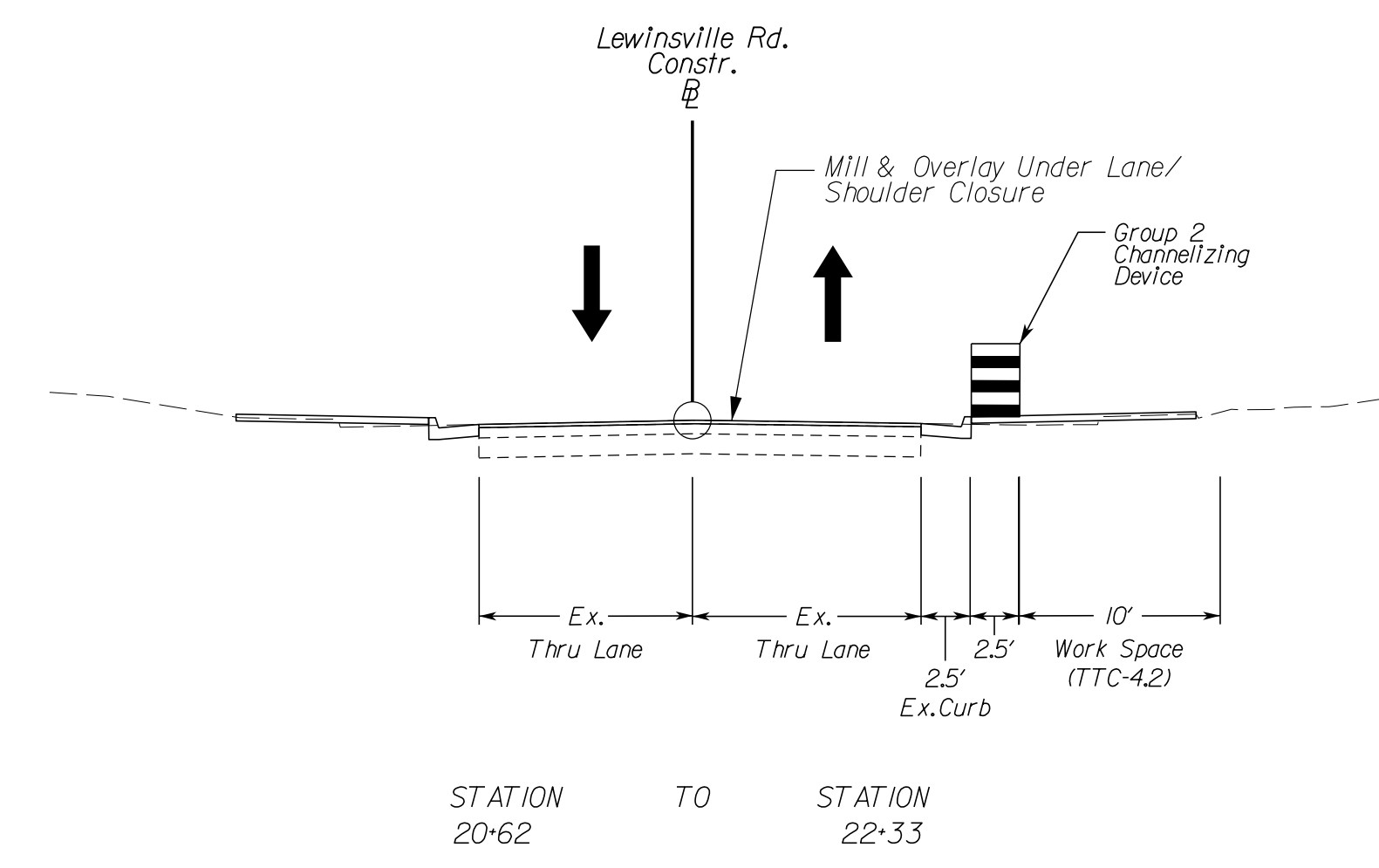
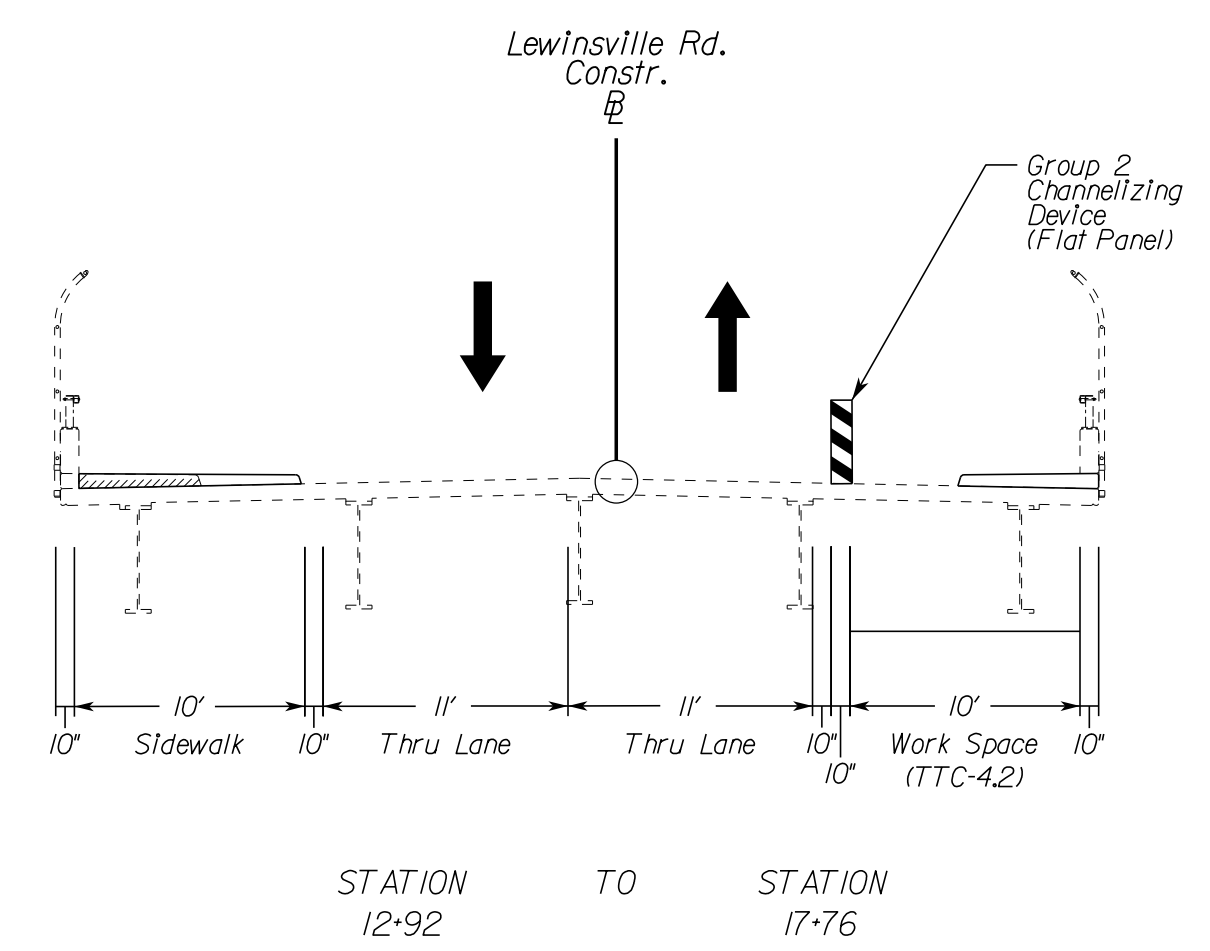
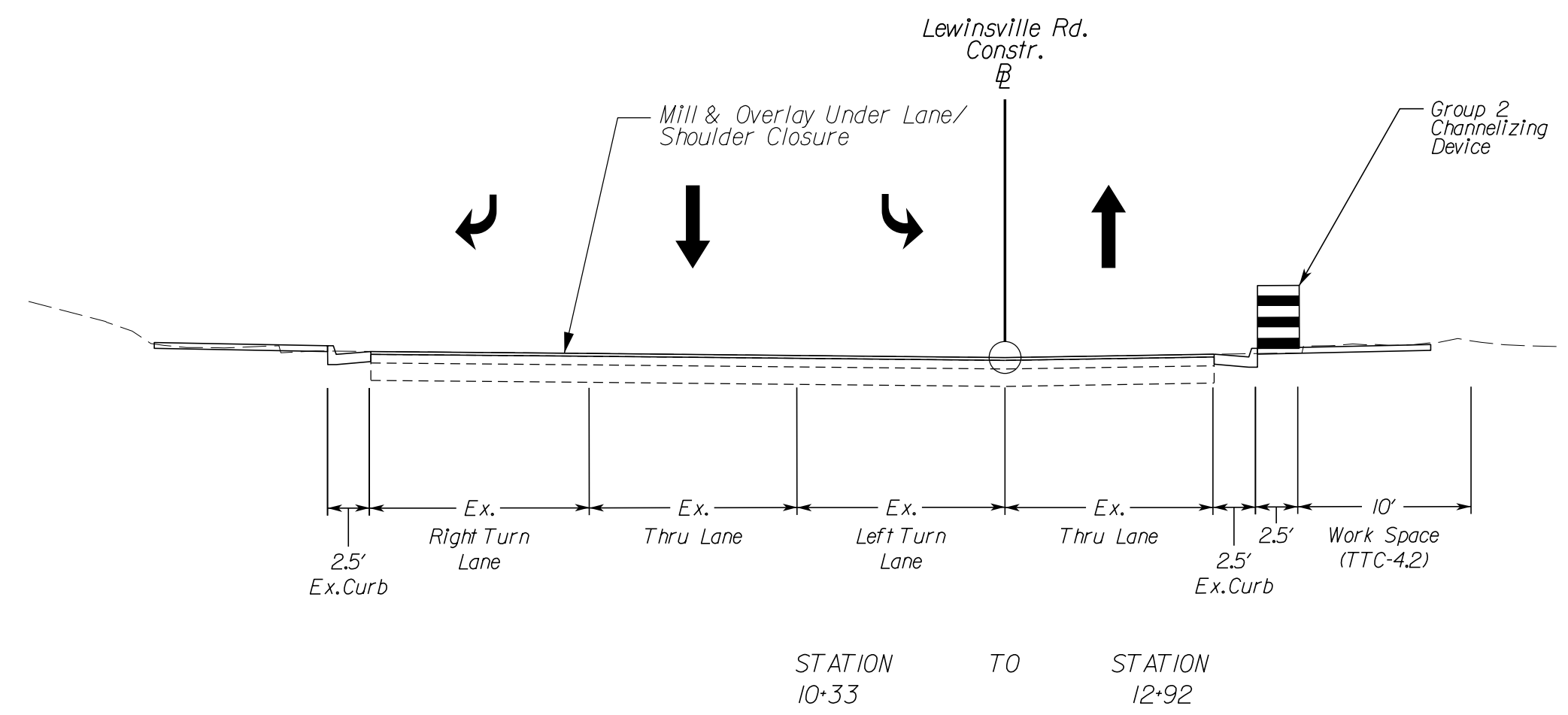
Temporary Traffic Control Narrative and Typical Sections Phase 1B

GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1111B14 AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)



NOVA DISTRICT

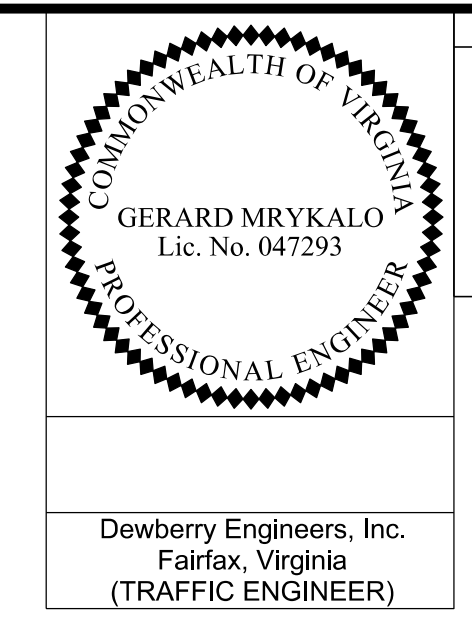
12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1111B14 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Raa Jakmalalich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Narrative and Typical Sections Phase 2A



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	11(2AII) AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

Sequence of Construction

Phase 2A

Purpose: Install temporary traffic control devices including work zone signs, temporary pavement markings and raised markers, concrete barrier service and channelizing devices. These protective measures will allow construction of:
-I-495 Southbound widening
-I-495 Northbound and Southbound median barrier
-Lewinsville Trail
-Scotts Run Connector Trail

Advanced signing and any other required traffic control devices associated with each section of the Project are to be installed prior to beginning construction in that section. All conflicting traffic control devices are to be removed or modified, as necessary. Group 2 Channelizing devices may be used to close adjacent lane/shoulder (TTC-4.2/16.2), as necessary, to establish the work space prior to setting barrier and beginning construction activities.

All mill & overlay locations shown in the plans, where located under traffic, shall be constructed utilizing lane/shoulder closures, as allowed per note 3 on sheet 11(0).

Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 24, typical applications for this package may include, but not limited to: TTC-1, 4, 5, 6, 2, 7, 16, 2, 17, 2, 18, 2, 23, 2, 28, 2, 29, 2, 31, 2, 38, 2, 39, 2, 40, 2, 53, 0, 55, 1, 60, 0, 63, 2 or other typical applications, as necessary.

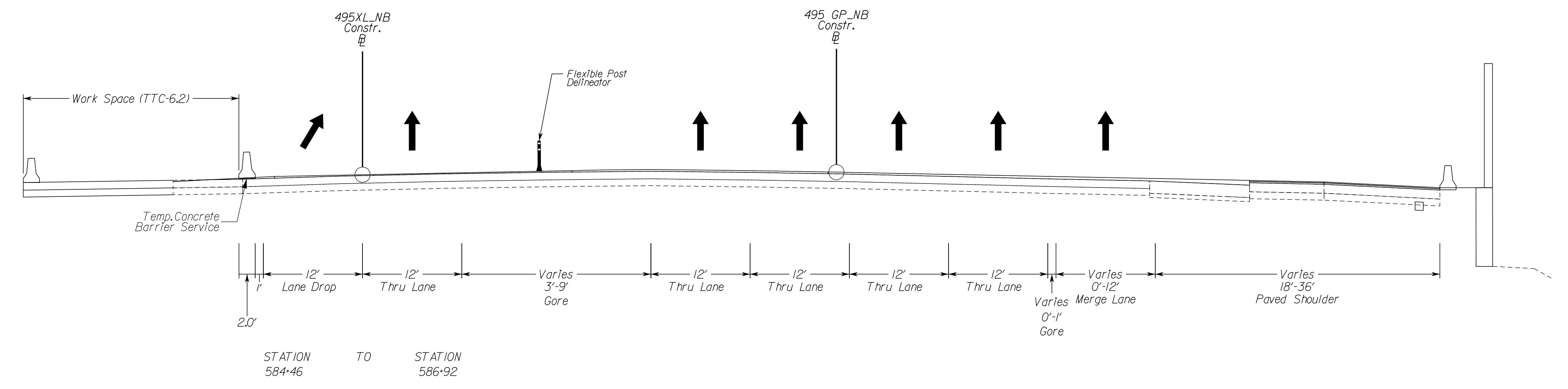
Install temporary pavement markings, raised markers, signage and other temporary traffic control devices, as required per VWAPM, including barrier flare rates and warning lights to protect work areas as shown on the plans.

Install temporary traffic barrier service, Group II Channelizing Devices and Impact attenuators TL-3, Type I, throughout the project as shown on the plans. Contractor has the ability to remove these items once no longer required to protect work area.

All construction entrances shown may not be open/active throughout this entire phase of construction. The Contractor has the ability to open and close construction access points, as necessary, as construction progresses. The construction entrances shown are suggested locations, and may be moved as field conditions dictate.

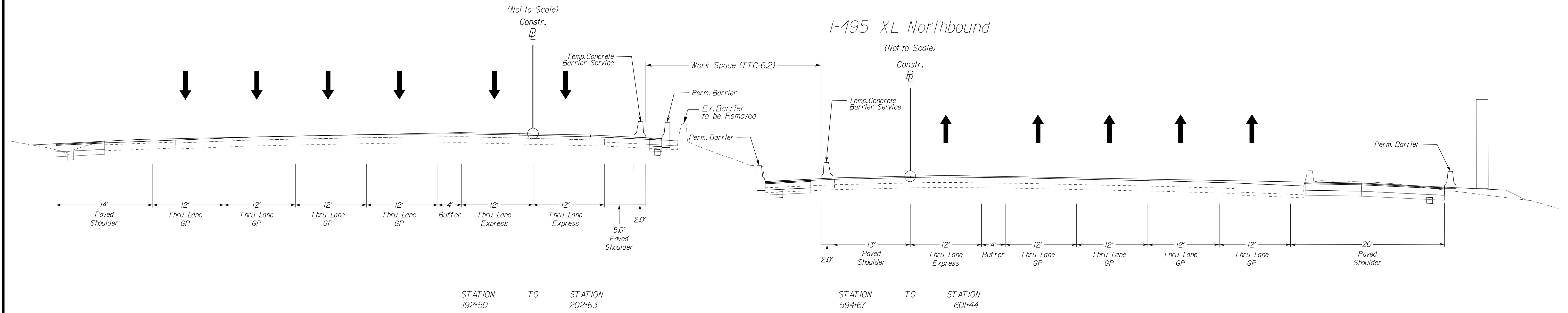
Temporary custom overhead guide signs and modifications and skid/post design will be detailed as part of shop drawings for review by engineer and the Department prior to fabrication. The construction in the immediate area of these sign locations and the associated protection will need sequenced to move to an appropriate completed area, to then allow completion of the original location.

Refer to ITS plans, under separate cover, for PCMS locations and CCTV adjustments.



I-495 XL Southbound

I-495 XL Northbound



NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 11(2AII) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougaull's, L.S. (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomilich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

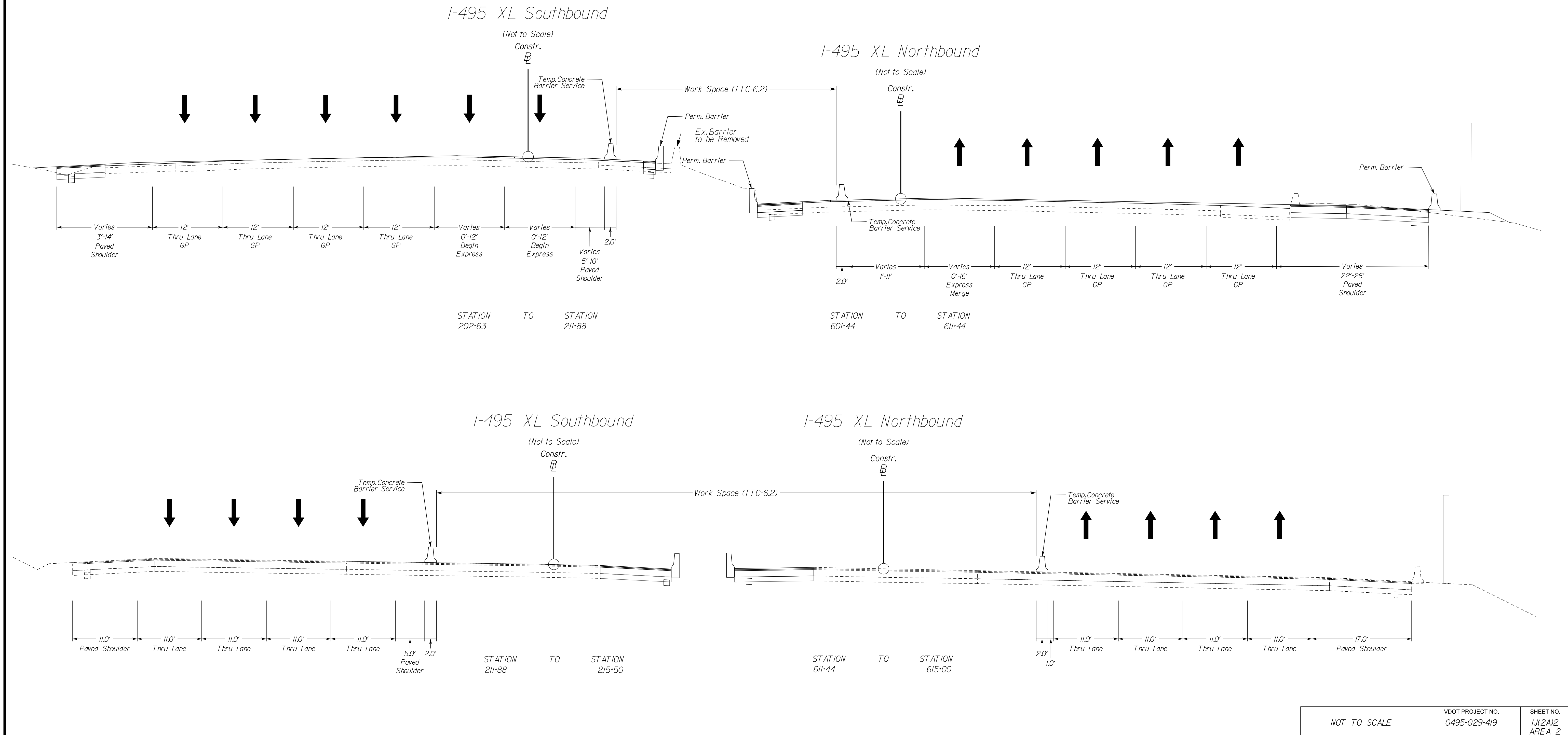
Temporary Traffic Control Narrative and Typical Sections Phase 2A

GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	11(2A)2 AREA 2

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



NOVA DISTRICT

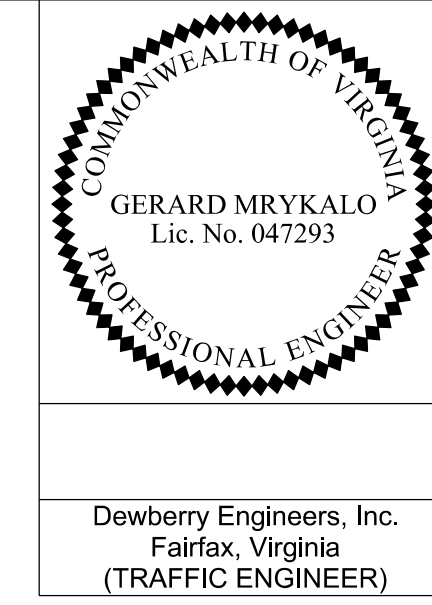
12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 11(2A)2 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull, LS (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS (703) 635-3060, 12/2021

Temporary Traffic Control Narrative and Typical Sections Phase 2A



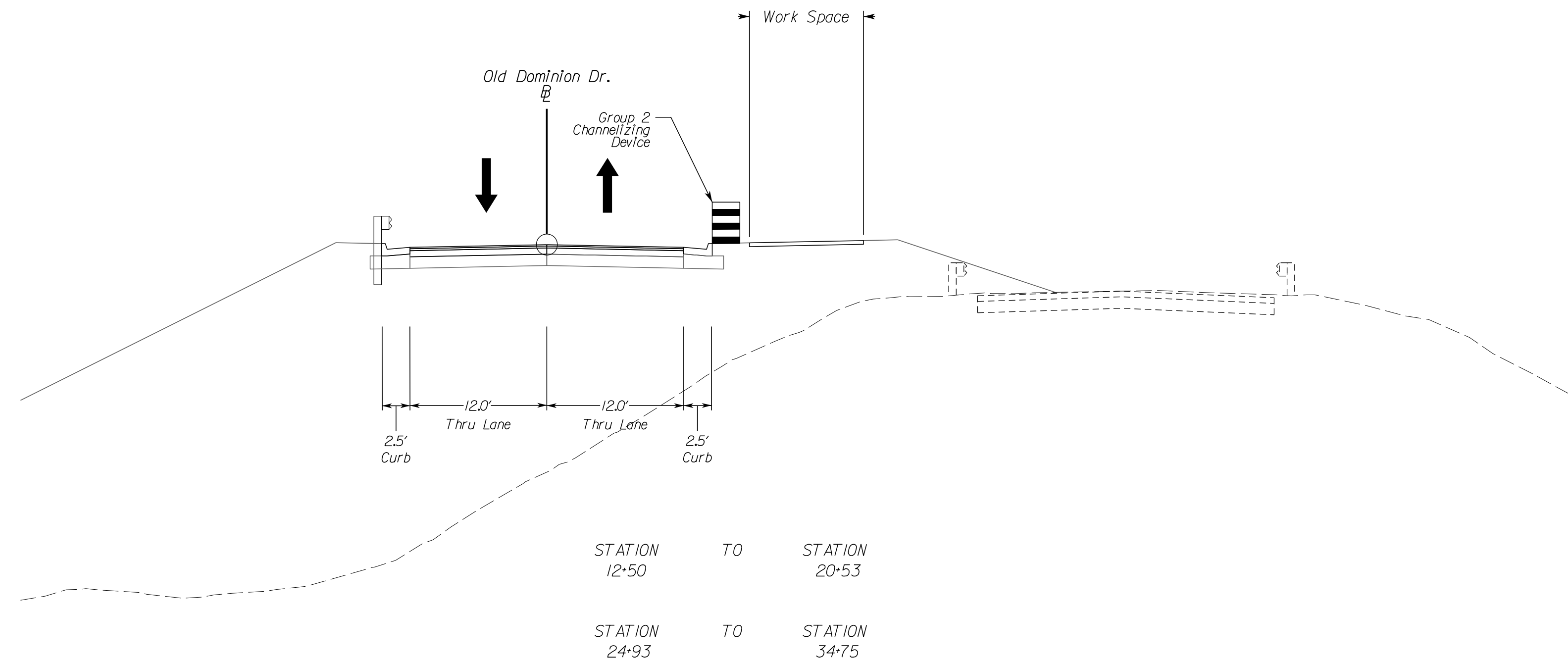
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	11(2A)3 AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

NOVA DISTRICT

12/16/2022

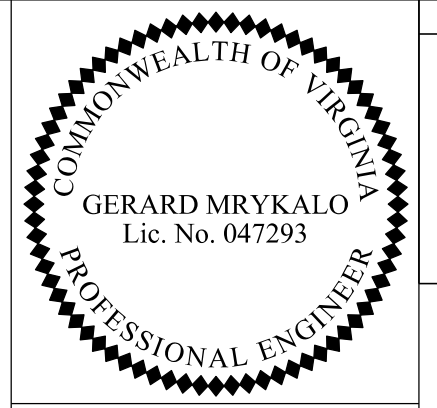


NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 11(2A)3 AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kougaull's, LS, (703) 334-0837, 1/2019
DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2022

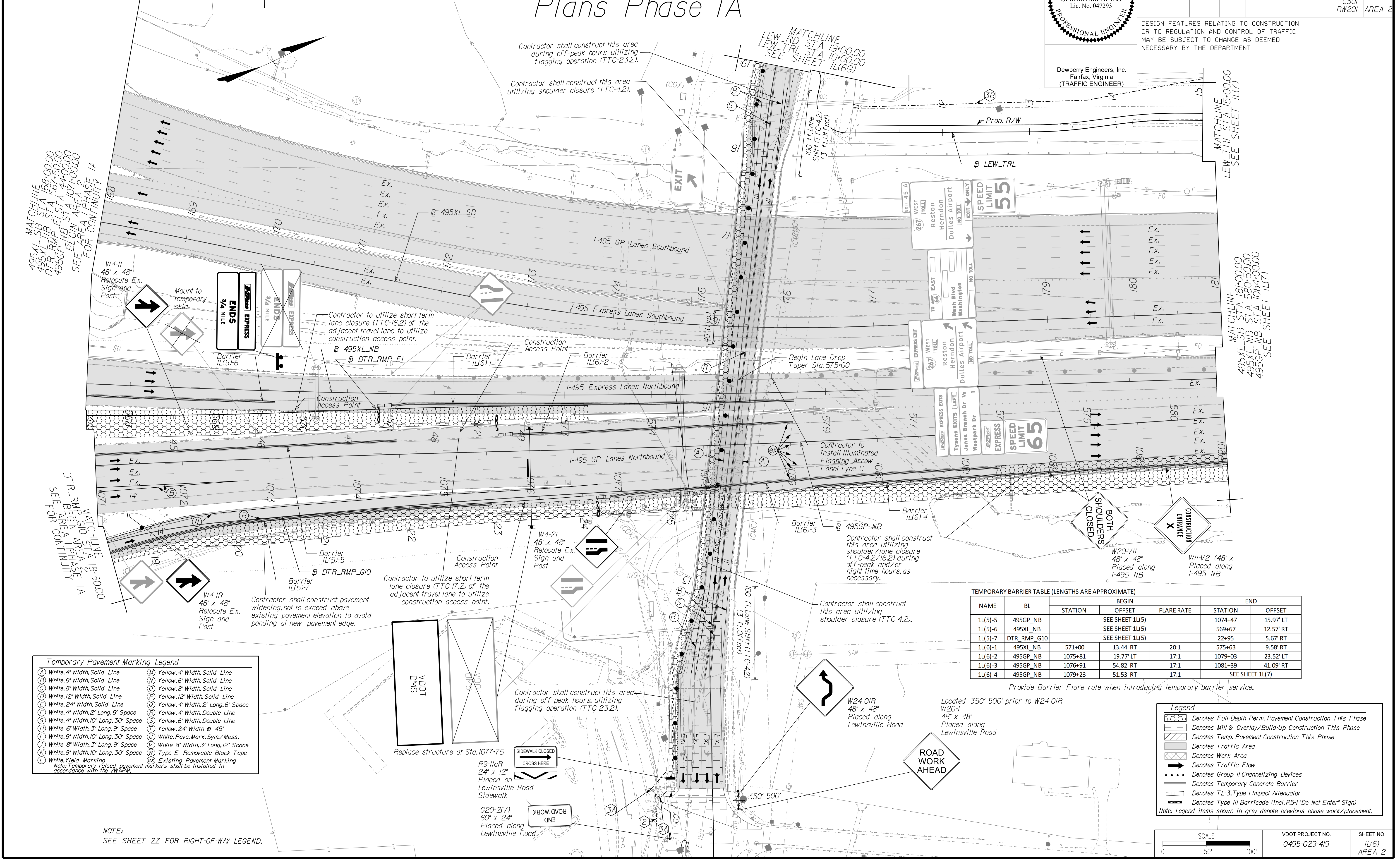
Temporary Traffic Control Plans Phase IA



Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	11(6) AREA 2

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



Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30" Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9" Space	(T) Yellow, 24" Width @ 45'
(I) White, 6" Width, 10' Long, 30" Space	(U) White, Pave. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9" Space	(V) White, 8" Width, 3' Long, 12" Space
(K) White, 8" Width, 10' Long, 30" Space	(W) Type E, Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAFM.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1L(5)-5	495GP_NB	SEE SHEET 1L(5)			1074+47	15.97' LT
1L(5)-6	495XL_NB	SEE SHEET 1L(5)			569+67	12.57' RT
1L(5)-7	DTR_RMP_G10	SEE SHEET 1L(5)			22+95	5.67' RT
1L(6)-1	495XL_NB	571+00	13.44' RT	20:1	575+63	9.58' RT
1L(6)-2	495GP_NB	1075+81	19.77' LT	17:1	1079+03	23.52' LT
1L(6)-3	495GP_NB	1076+91	54.82' RT	17:1	1081+39	41.09' RT
1L(6)-4	495GP_NB	1079+23	51.53' RT	17:1	SEE SHEET 1L(7)	

Provide Barrier Flare rate when introducing temporary barrier service.

Legend

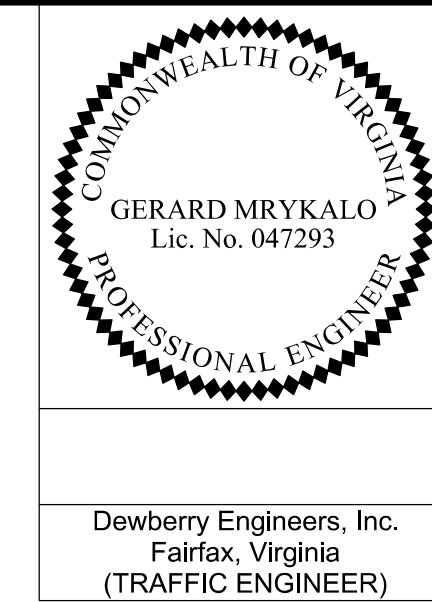
- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
- Denotes Temp. Pavement Construction This Phase
- Denotes Traffic Area
- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
- Denotes TL-3, Type I Impact Attenuator
- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull's, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase 1A



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1L(6G) AREA 2

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

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

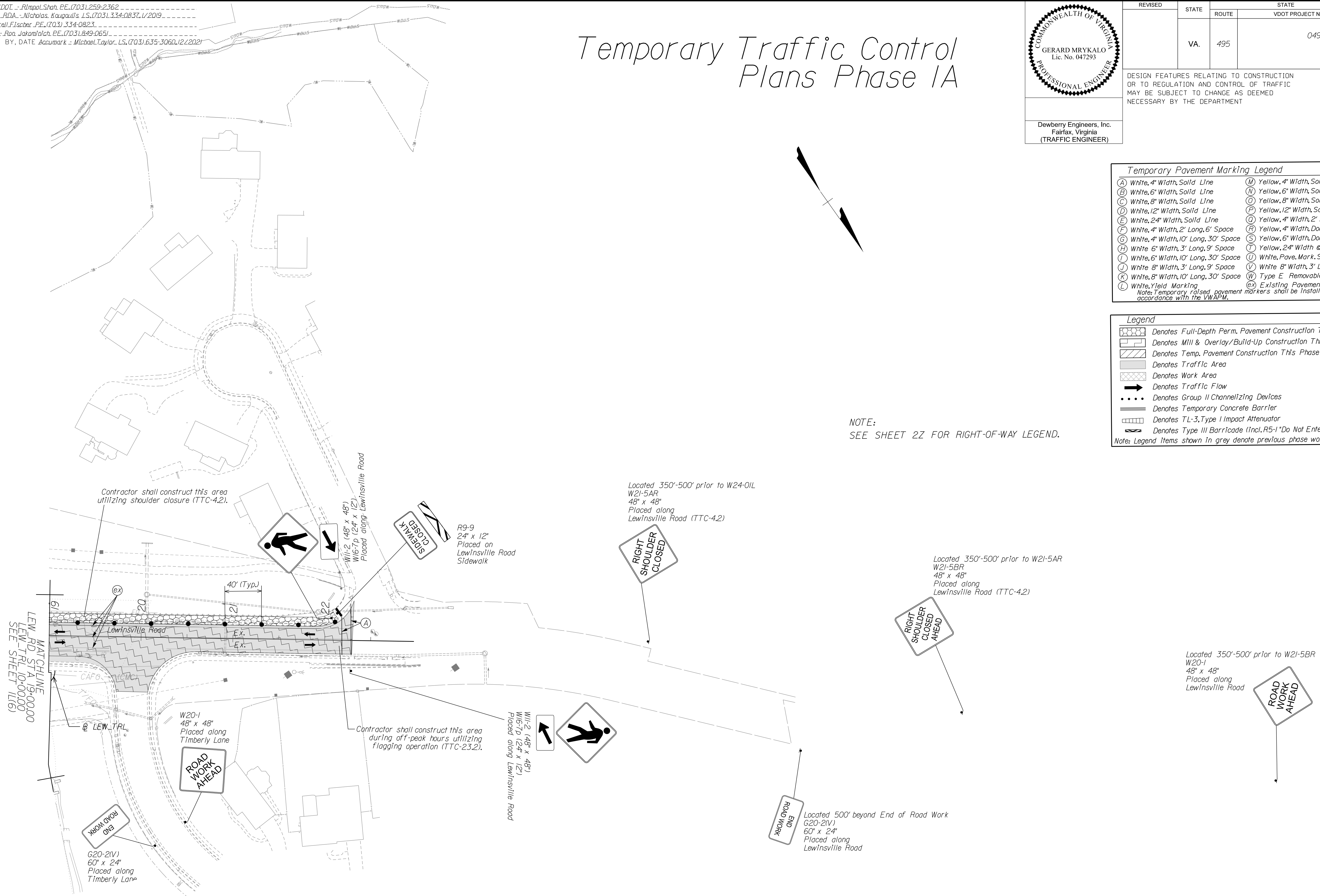
Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

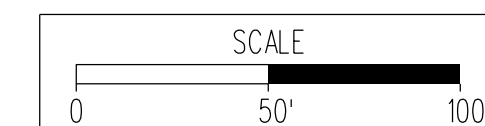
- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
- Denotes Temp. Pavement Construction This Phase
- Denotes Traffic Area
- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
- Denotes TL-3, Type I Impact Attenuator
- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.



NOVA DISTRICT

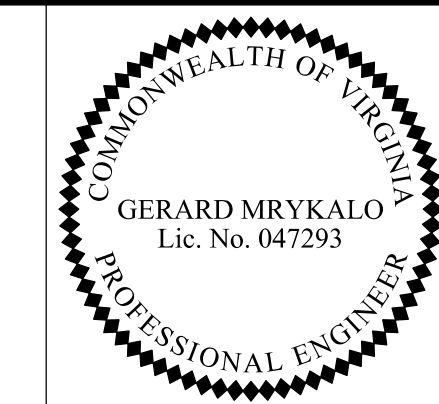


VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(6G) AREA 2
----------------------------------	-------------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rita Pal...
 SURVEYED BY, DATE_RDA - Nicholas...
 DESIGN BY_RDA - Darrell Fischer...
 SUBSURFACE UTILITY BY, DATE_Accurmark - Michael Taylor...

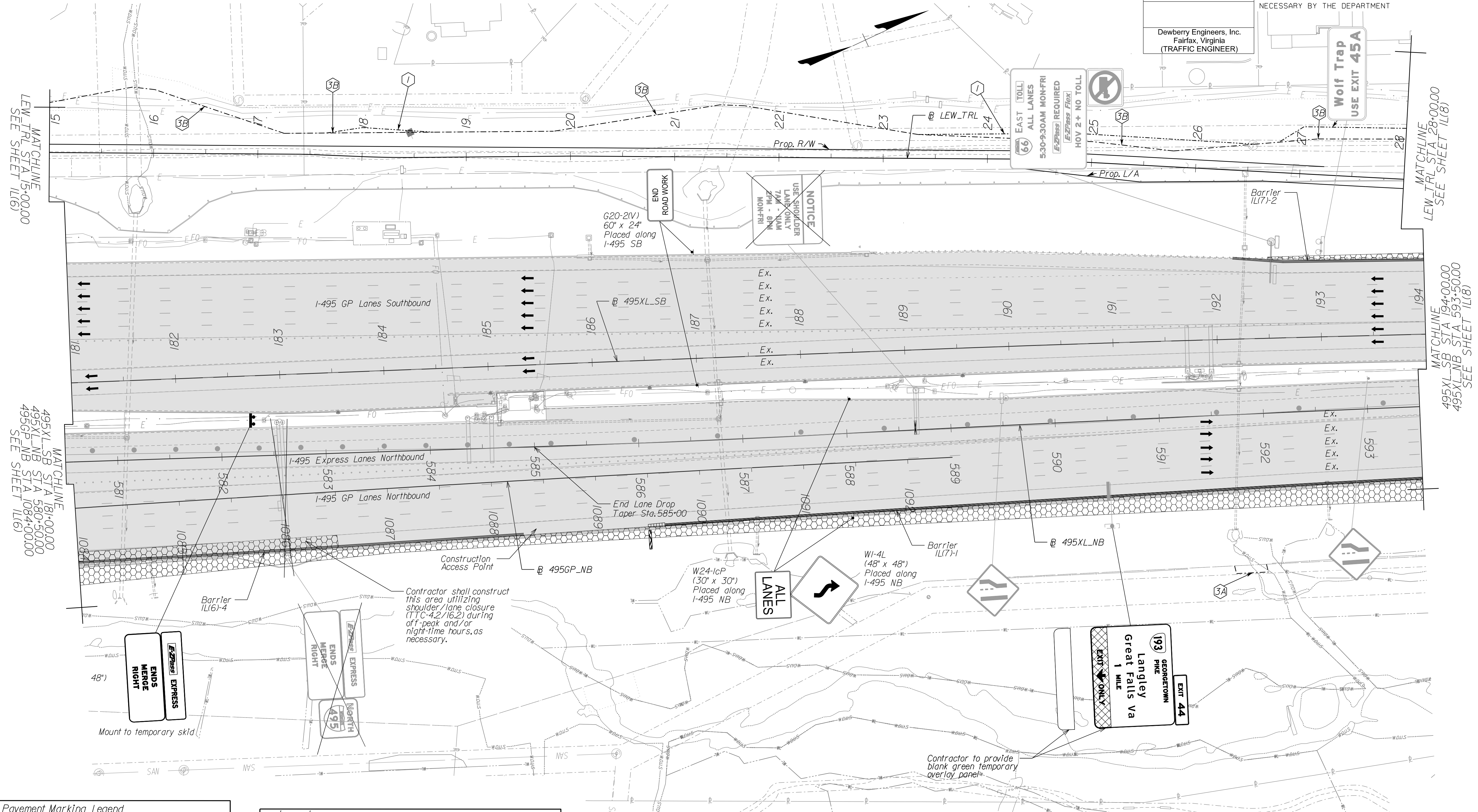
Temporary Traffic Control Plans Phase IA



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419	1L(7)
				PE101 CS01 RW201	AREA 2

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



MATCHLINE
 LEW_TRL STA 15+00.00
 SEE SHEET 1L(6)

MATCHLINE
 495XL_SB STA 181+00.00
 495XL_NB STA 580+50.00
 495GP_NB STA 1084+00.00
 SEE SHEET 1L(6)

MATCHLINE
 LEW_TRL STA 28+00.00
 SEE SHEET 1L(8)

MATCHLINE
 495XL_SB STA 194+00.00
 495XL_NB STA 593+50.00
 SEE SHEET 1L(8)

NOVA DISTRICT

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45'
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave, Mark, Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12" Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAP.

Legend

[Pattern]	Denotes Full-Depth Perm. Pavement Construction This Phase
[Pattern]	Denotes Mill & Overlay/Build-Up Construction This Phase
[Pattern]	Denotes Temp. Pavement Construction This Phase
[Pattern]	Denotes Traffic Area
[Pattern]	Denotes Work Area
[Arrow]	Denotes Traffic Flow
[Dotted]	Denotes Group II Channelizing Devices
[Line]	Denotes Temporary Concrete Barrier
[Box]	Denotes TL-3, Type I Impact Attenuator
[Sign]	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN		END	
		STATION	OFFSET	STATION	OFFSET
1L(6)-4	495GP_NB		SEE SHEET 1L(6)	1088+28	51.46' RT
1L(7)-1	495XL_NB	586+22	79.29' RT		SEE SHEET 1L(8)
1L(7)-2	495XL_SB	192+17	77.71' LT		SEE SHEET 1L(8)

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(7) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER: VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE: RDA - Nicholas Kaugaulis, LS (703) 334-0837, 1/2019
 DESIGN BY: RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE: Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

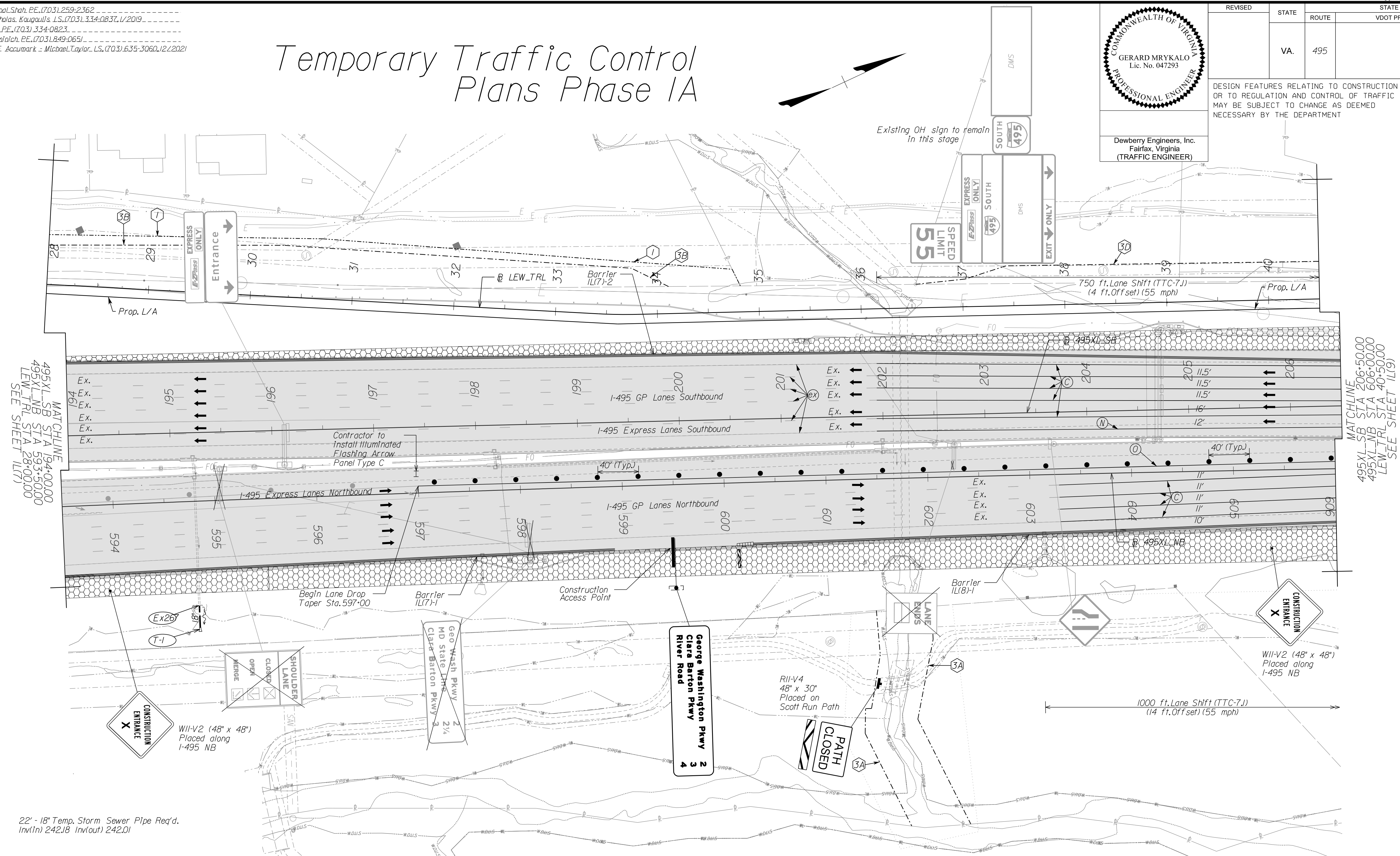
Temporary Traffic Control Plans Phase IA

COMMONWEALTH OF VIRGINIA
 GERARD MRYKALO
 Lic. No. 047293
 PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	11(8) AREA 2

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



MATCHLINE
 495XL_SB STA 593+50.00
 495XL_NB STA 606+00.00
 LEW_TRL STA 28+00.00
 SEE SHEET 11(7)

MATCHLINE
 495XL_SB STA 206+50.00
 495XL_NB STA 606+00.00
 LEW_TRL STA 40+50.00
 SEE SHEET 11(9)

Ex. 267 to T-1 22" - 18" Temp. Storm Sewer Pipe Req'd.
 Inv(In) 242.18 Inv(out) 242.01

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12" Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E, Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

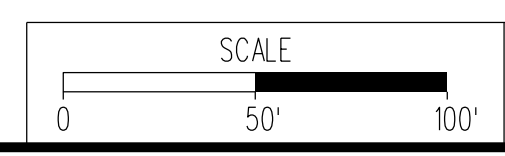
	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
11(7)-1	495XL-NB		SEE SHEET 11(7)		598+91	61.88' RT
11(7)-2	495XL-SB		SEE SHEET 11(7)			SEE SHEET 11(9)
11(8)-1	495XL-NB	600+27	60.48' RT	20:1		SEE SHEET 11(9)

Provide Barrier Flare rate when introducing temporary barrier service.



VDOT PROJECT NO.
0495-029-419

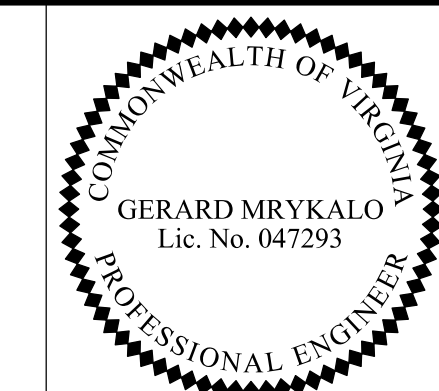
SHEET NO.
11(8)
AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rita Pal-Straub, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

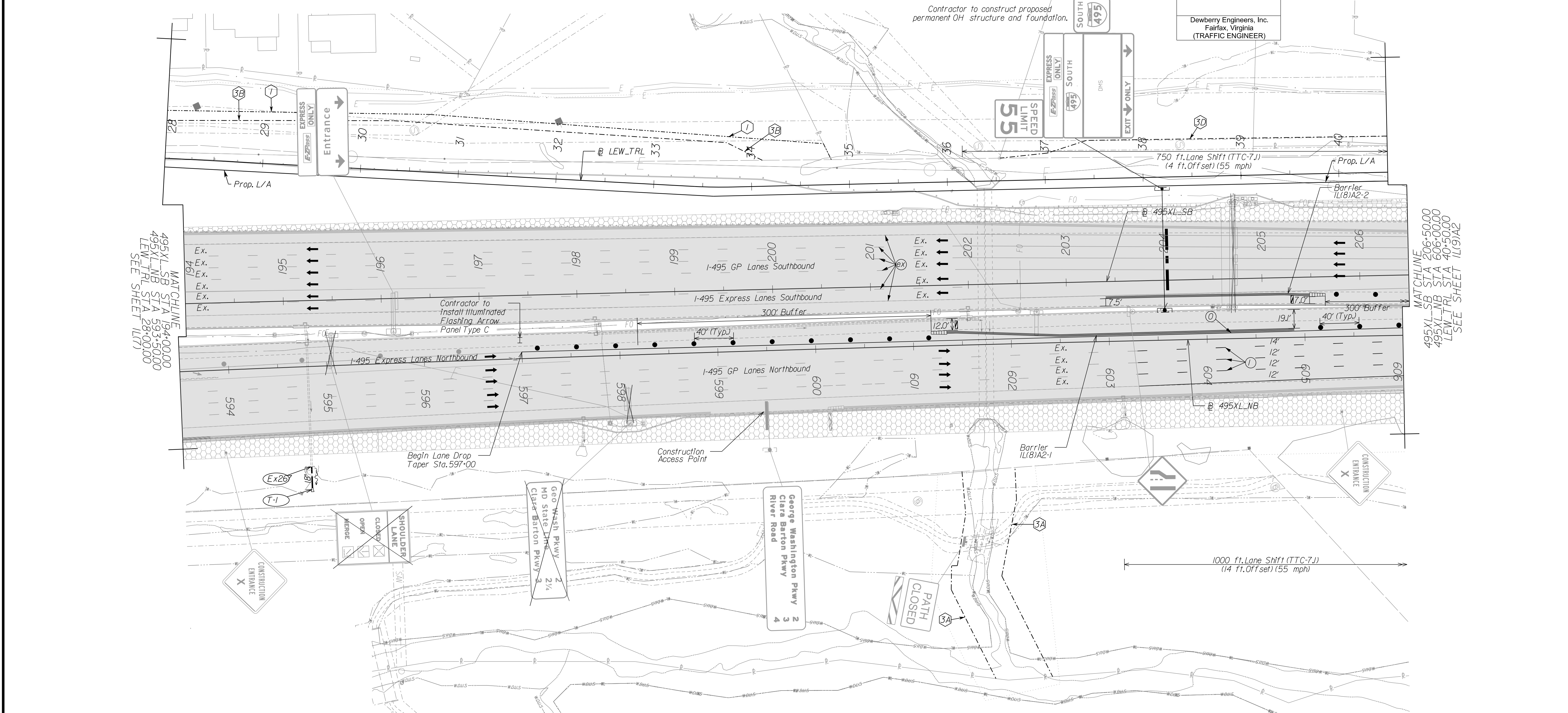
Temporary Traffic Control Plans Phase 1A2



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	1L(8)A2 AREA 2

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



NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12" Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E, Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
- Denotes Temp. Pavement Construction This Phase
- Denotes Traffic Area
- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
- Denotes TL-3, Type I Impact Attenuator
- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1L(8)A2-1	495XL-NB	601+34	13.32' LT	20:1	604+89	8.30' LT
1L(8)A2-2	495XL-SB	203+40	16.40' RT	20:1	205+48	18.0' RT

Provide Barrier Flare rate when Introducing temporary barrier service.

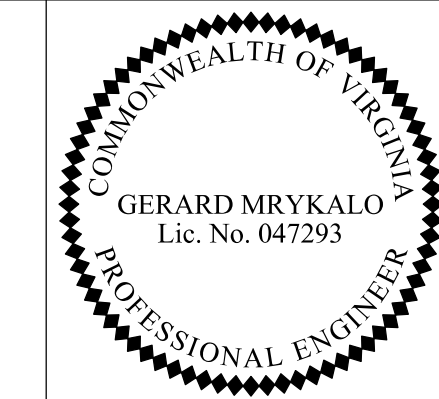
SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(8)A2 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

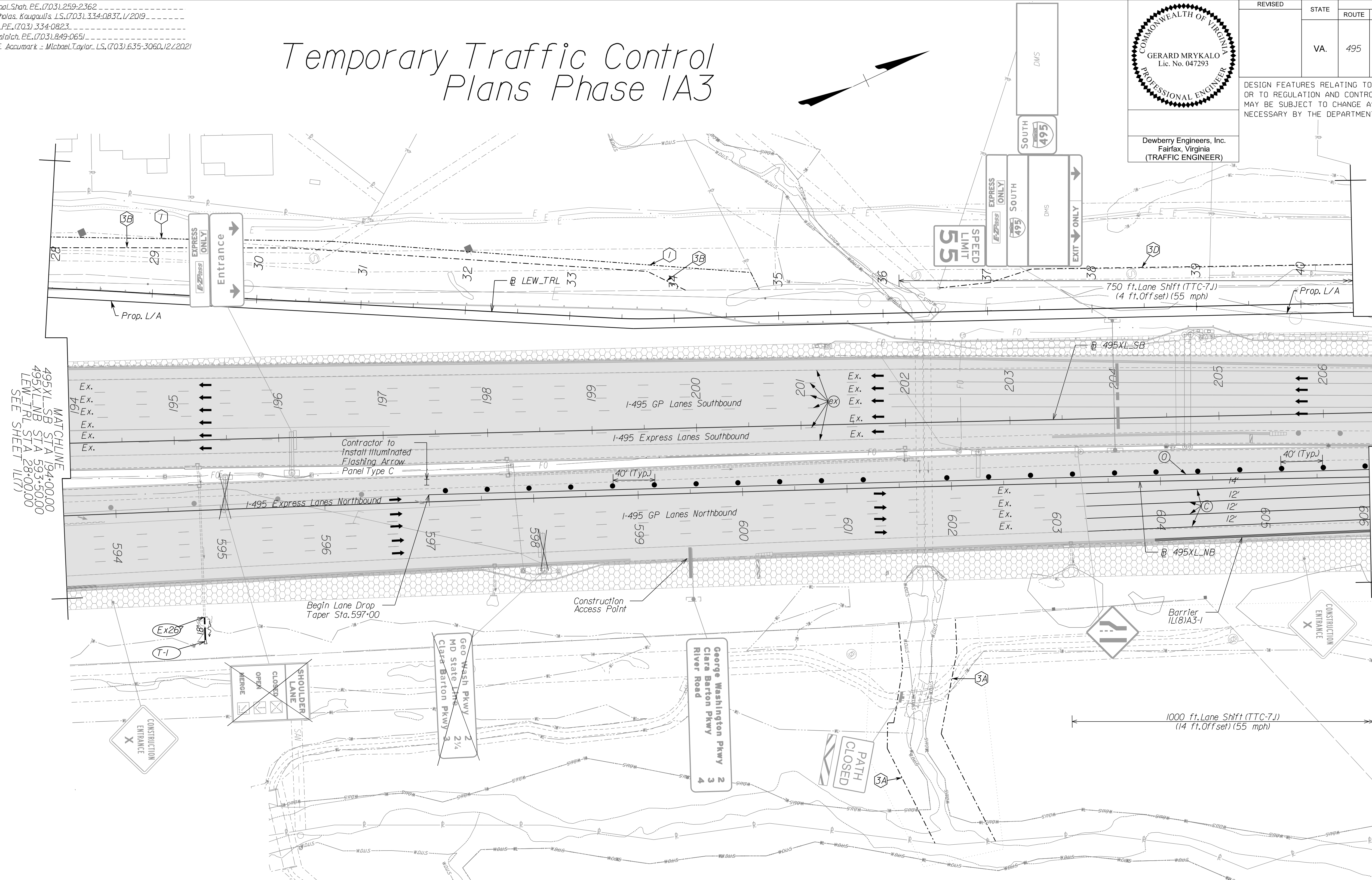
Temporary Traffic Control Plans Phase 1A3



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	1L(8)A3 AREA 2

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



MATCHLINE
 495XL-SB STA 593+50.00
 495XL-NB STA 593+50.00
 LEW_TRL STA 28+00.00
 SEE SHEET 1L(7)

MATCHLINE
 495XL-SB STA 206+50.00
 495XL-NB STA 206+50.00
 LEW_TRL STA 40+50.00
 SEE SHEET 1L(9)A3

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12" Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E, Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN		FLARE RATE	END	
		STATION	OFFSET		STATION	OFFSET
1L(8)A3-1	495XL-NB	603+94	56.18' RT		SEE SHEET 1L(9)A3	

Provide Barrier Flare rate when introducing temporary barrier service.

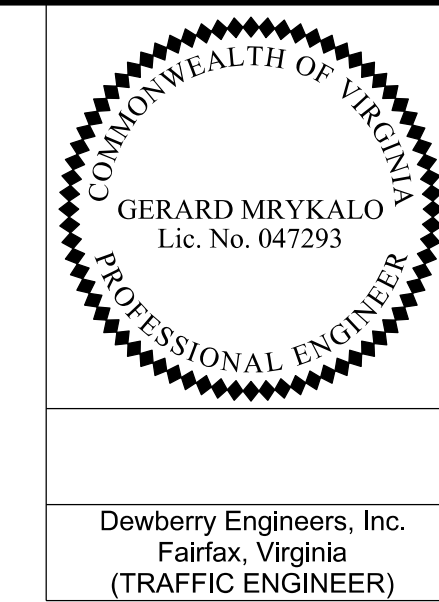
SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(8)A3 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase IA



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1L(9) AREA 2

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

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN		END	
		STATION	OFFSET	STATION	OFFSET
1L(7)-2	495XL_SB	SEE SHEET 1L(8)		211+95	31.37' LT
1L(8)-1	495XL-NB	SEE SHEET 1L(8)		610+35	46.21' RT
1L(9)-1	495XL-NB	611+71	43.06' RT	614+29	35.92' RT
1L(9)-2	495XL-NB	612+80	26.31' LT	614+61	26.95' LT
1L(9)-3	495XL-SB	213+31	29.46' LT	215+00	32.24' LT
1L(9)-4	495XL-SB	213+43	27.39' RT	215+44	26.22' RT

Provide Barrier Flare rate when introducing temporary barrier service.

Ex. 252 to T-2 23' - 18" Temp. Storm Sewer Pipe Req'd.
Inv(In) 233.28 Inv(out) 231.86

Ex. 230 to T-3 33' - 24" Temp. Storm Sewer Pipe Req'd.
Inv(In) 230.51 Inv(out) 227.88

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

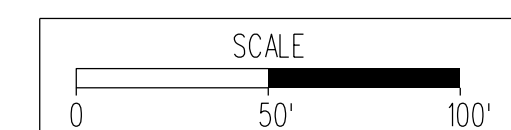
(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 2' Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 2 1/2" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAPM.

Legend

	Denotes Construction This Phase
	Denotes Temp. Pavement/Shoulder Str. Constr. This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Traffic Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier (See TTC Gen. Note 27)
	Denotes Impact Attenuator (Type I, TL-3)
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)
	Denotes Flexible Post Delineators

Note: Traffic Control Items shown in grey denote previous phase work/placement.



VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(9) AREA 2
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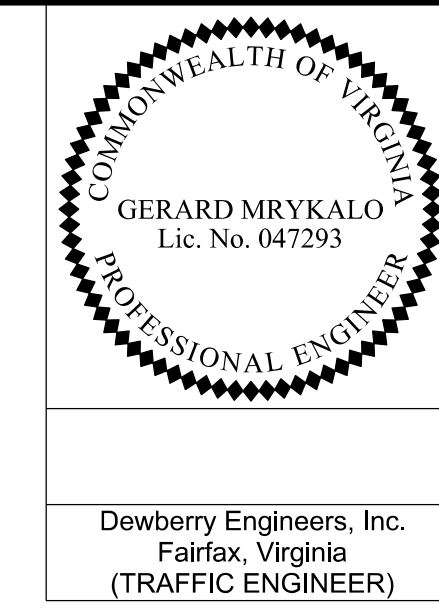
APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

PROJECT MANAGER: VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE: RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY: RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE: Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase 1A2



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	1L(9)A2 AREA 2

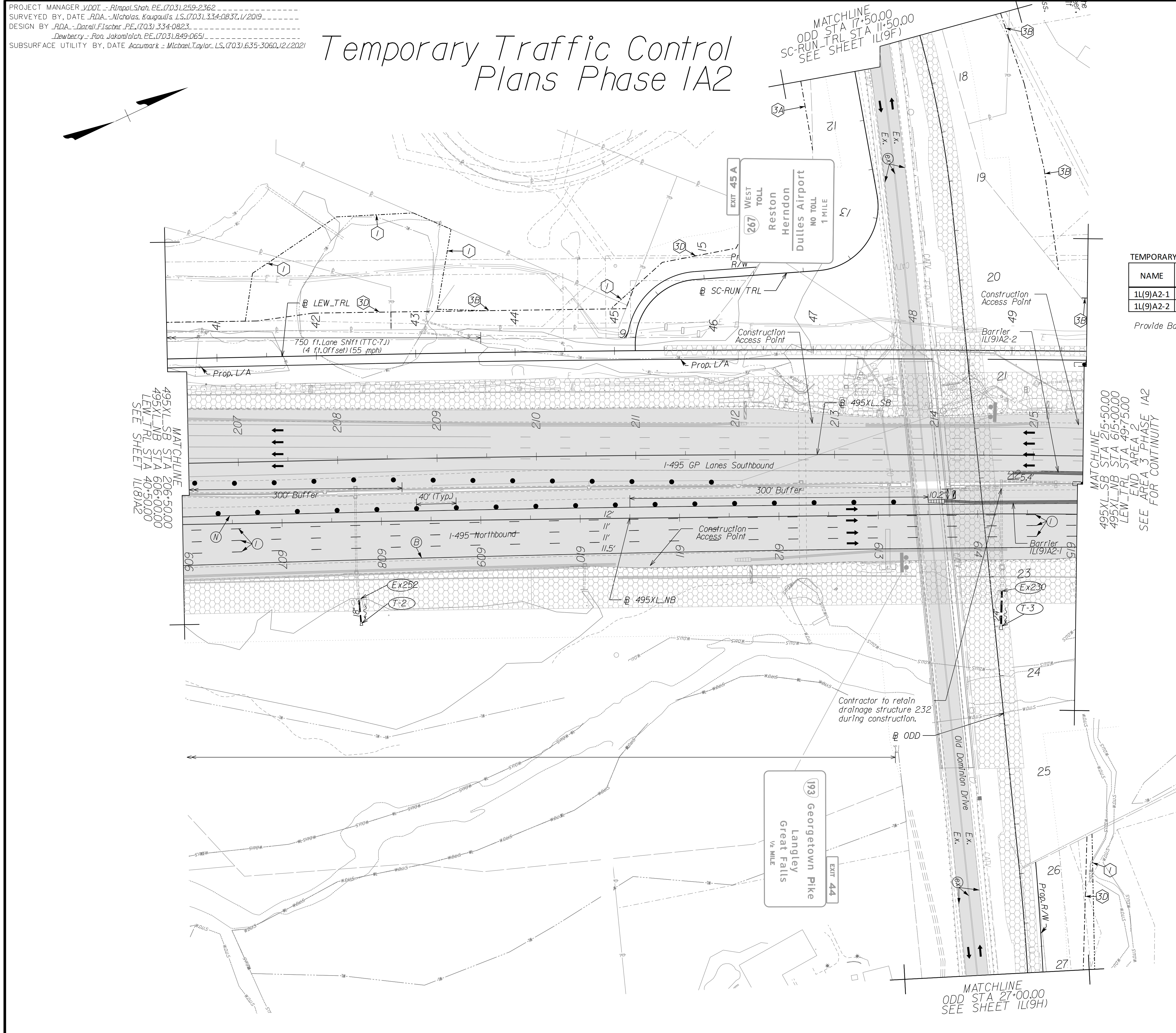
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1L(9)A2-1	495XL-NB	613+67	13.18' LT	20:1	SEE SHEET 1L(10)A2	
1L(9)A2-2	495XL-SB	214+80	17.81' RT		SEE SHEET 1L(10)A2	

Provide Barrier Flare rate when introducing temporary barrier service.



NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 2' Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 2' Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark, Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAPM.

Legend

[Hatched Box]	Denotes Construction This Phase
[Diagonal Lines]	Denotes Temp. Pavement/Shoulder Str. Constr. This Phase
[Stippled Box]	Denotes Mill & Overlay/Build-Up Construction This Phase
[Grey Box]	Denotes Traffic Area
[Arrow]	Denotes Traffic Flow
[Dotted Line]	Denotes Group II Channelizing Devices
[Double Line]	Denotes Temporary Concrete Barrier (See TTC Gen. Note 27)
[Hatched Box]	Denotes Impact Attenuator (Type I, TL-3)
[Diagonal Lines]	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)
[Dotted Line]	Denotes Flexible Post Delineators

Note: Traffic Control Items shown in grey denote previous phase work/placement.

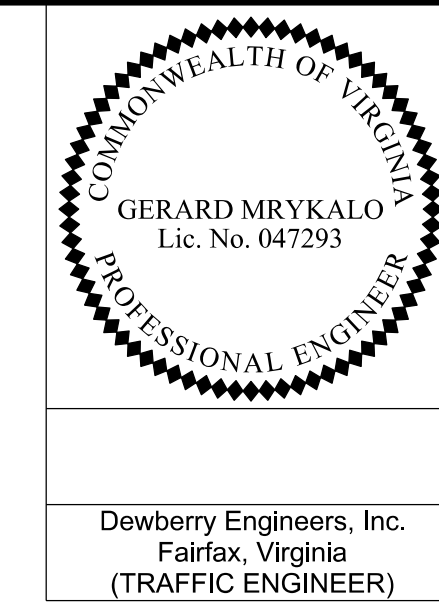
SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(9)A2 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER: VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE: RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY: RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE: Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase IA3



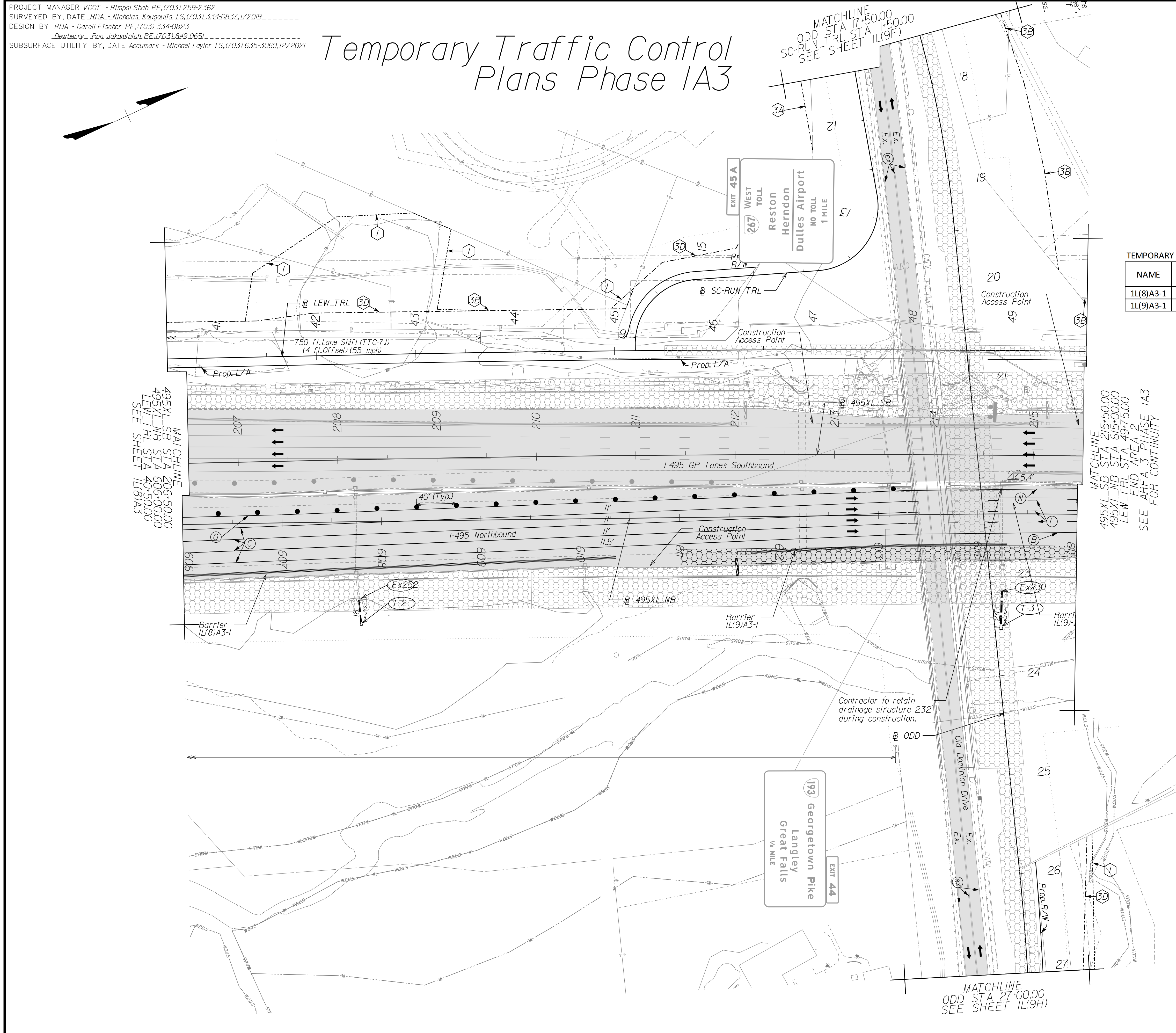
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1L(9)A3 AREA 2

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

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1L(8)A3-1	495XL-NB		SEE SHEET 1L(8)A3		610+35	39.36' RT
1L(9)A3-1	495XL-NB	611+71	36.27' RT	20:1	614+29	30.42' RT

Provide Barrier Flare rate when introducing temporary barrier service.



NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

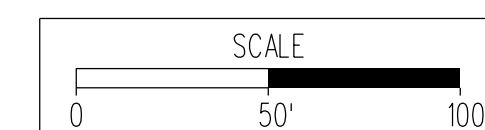
(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 2' Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 2' Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark, Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAPM.

Legend

[Pattern]	Denotes Construction This Phase
[Pattern]	Denotes Temp. Pavement/Shoulder Str. Constr. This Phase
[Pattern]	Denotes Mill & Overlay/Build-Up Construction This Phase
[Pattern]	Denotes Traffic Area
[Arrow]	Denotes Traffic Flow
[Dotted Line]	Denotes Group II Channelizing Devices
[Line]	Denotes Temporary Concrete Barrier (See TTC Gen. Note 27)
[Pattern]	Denotes Impact Attenuator (Type I, TL-3)
[Pattern]	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)
[Dotted Line]	Denotes Flexible Post Delineators

Note: Traffic Control Items shown in grey denote previous phase work/placement.



VDOT PROJECT NO. 0495-029-419	SHEET NO. 1L(9)A3 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

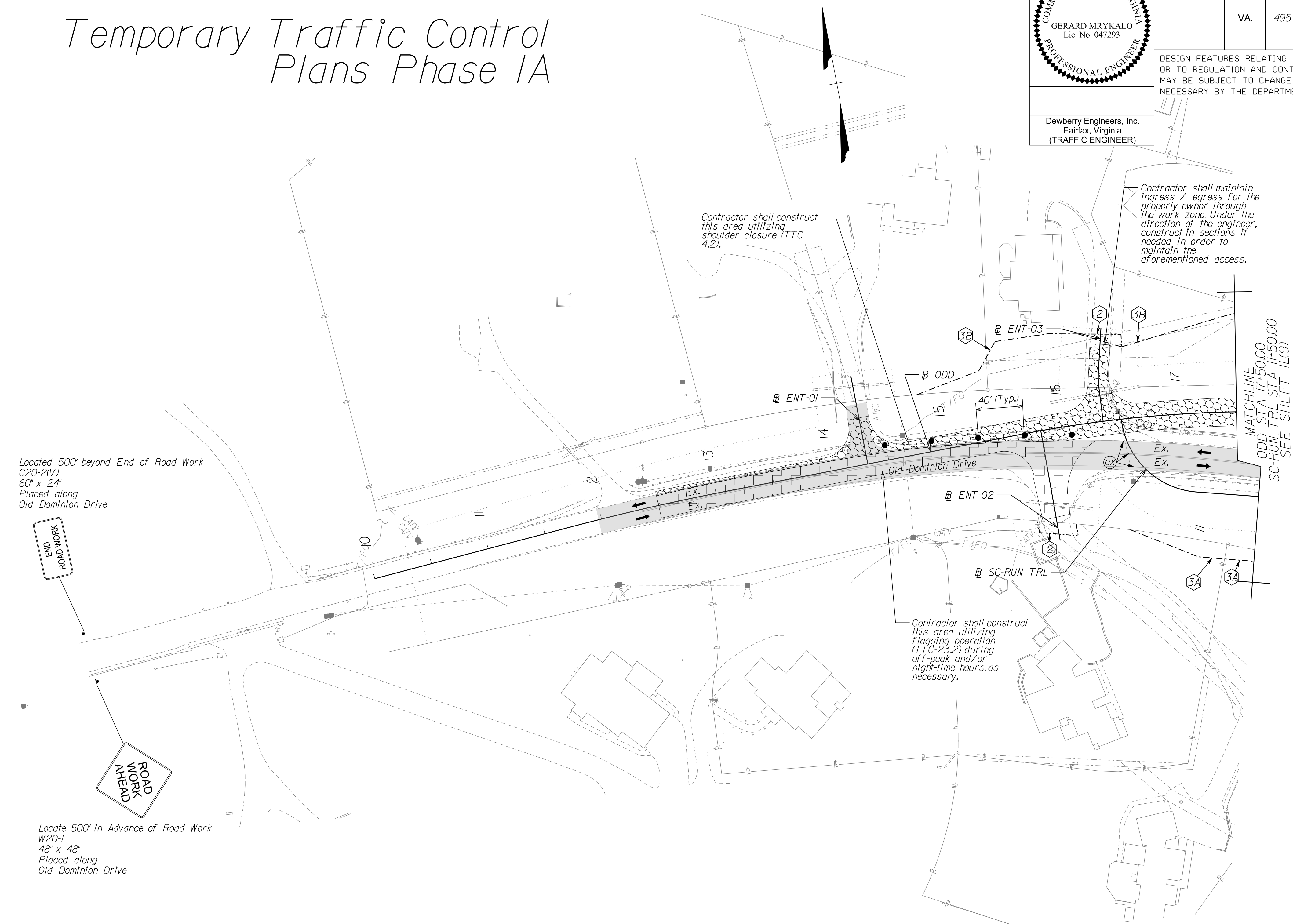
PROJECT MANAGER VDOT - Rita Pal-Straub, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaoullis, L.S. (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomilich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase 1A

COMMONWEALTH OF VIRGINIA
 GERARD MRYKALO
 Lic. No. 047293
 PROFESSIONAL ENGINEER
 Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	11(9F) AREA 2

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



NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 2 1/2" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 2 1/2" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pav. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, 2 1/2" Width @ 45°	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 11(9F) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

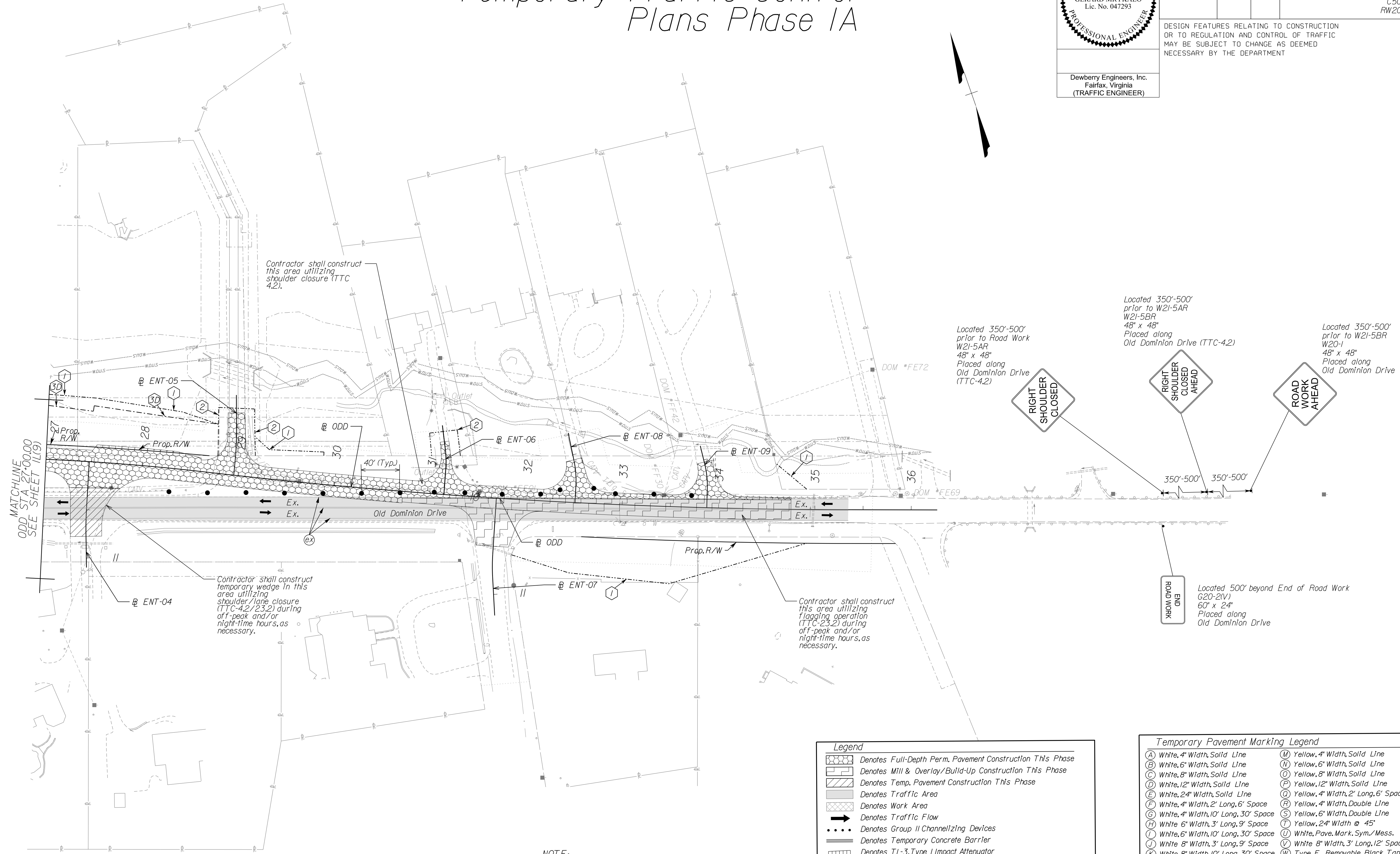
PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase 1A

GERARD MRYKALO
Lic. No. 047293
Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 FE101 CS01 RW201	1L(9H) AREA 2

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



MATCHLINE
ODD STA 27+00.00
SEE SHEET 1L(9)

NOVA DISTRICT

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Legend

- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
- Denotes Temp. Pavement Construction This Phase
- Denotes Traffic Area
- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
- Denotes TL-3, Type I Impact Attenuator
- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pav. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

SCALE 0 50' 100'

VDOT PROJECT NO. 0495-029-419 SHEET NO. 1L(9H) AREA 2

APPROVED FOR CONSTRUCTION

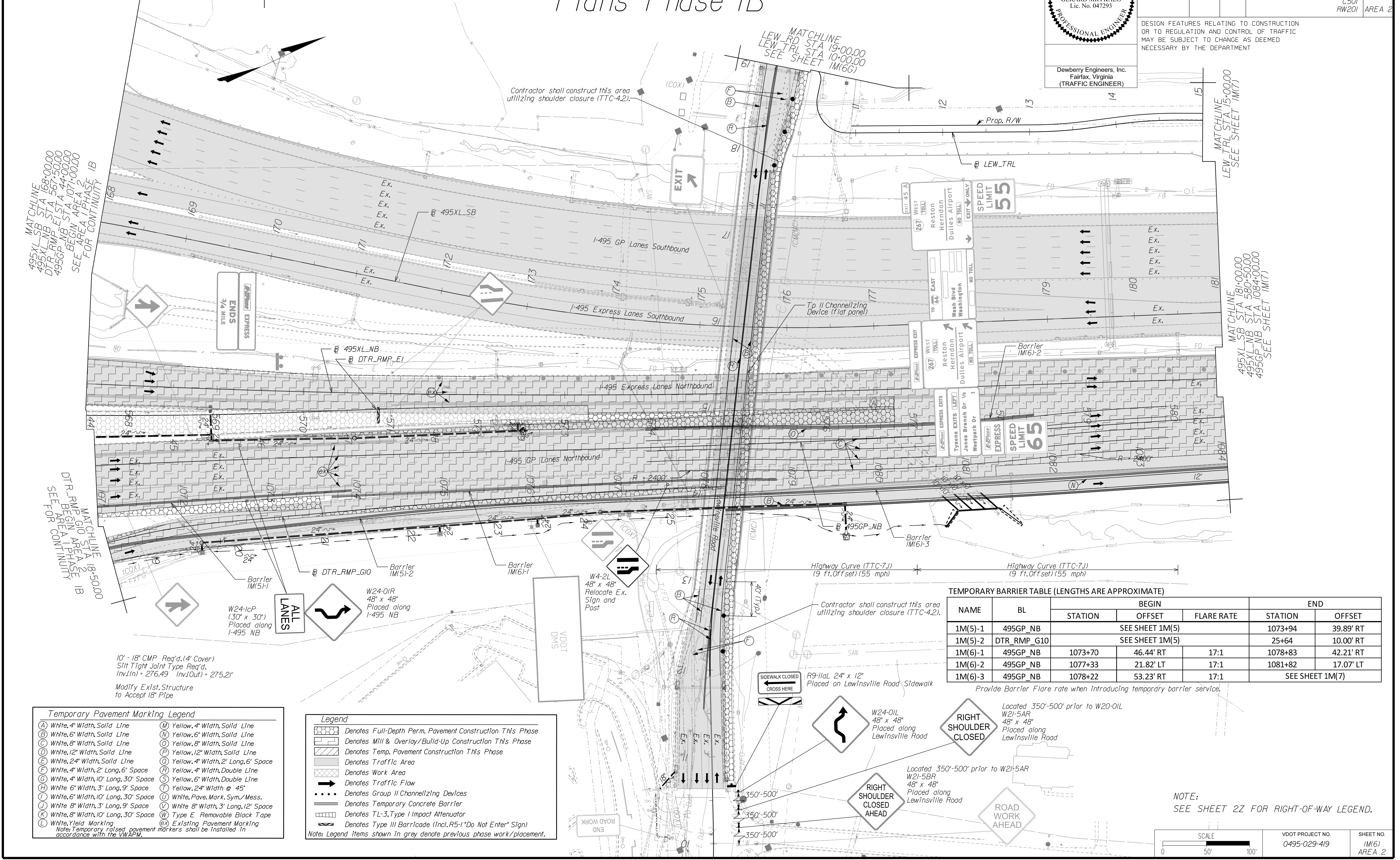
PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2022

Temporary Traffic Control Plans Phase 1B

GERARD MRYKALO
Lic. No. 047293
Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISION	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	1M(6) AREA 2

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



TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN		END	
		STATION	OFFSET	FLARE RATE	STATION
1M(5)-1	495GP_NB	SEE SHEET 1M(5)		1073+94	39.89' RT
1M(5)-2	DTR_RMP_G10	SEE SHEET 1M(5)		25+64	10.00' RT
1M(6)-1	495GP_NB	1073+70	46.44' RT	1078+83	42.21' RT
1M(6)-2	495GP_NB	1077+33	21.82' LT	1081+82	17.07' LT
1M(6)-3	495GP_NB	1078+22	53.23' RT	SEE SHEET 1M(7)	

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

(Hatched Box)	Denotes Full-Depth Perm. Pavement Construction This Phase
(Diagonal Lines Box)	Denotes Mill & Overlay/Build-Up Construction This Phase
(Dotted Box)	Denotes Temp. Pavement Construction This Phase
(Grey Box)	Denotes Traffic Area
(White Box)	Denotes Work Area
(Arrow)	Denotes Traffic Flow
(Dashed Line)	Denotes Group II Channelizing Devices
(Solid Line)	Denotes Temporary Concrete Barrier
(Dashed Line with Triangle)	Denotes TL-3, Type I Impact Attenuator
(Dashed Line with Square)	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

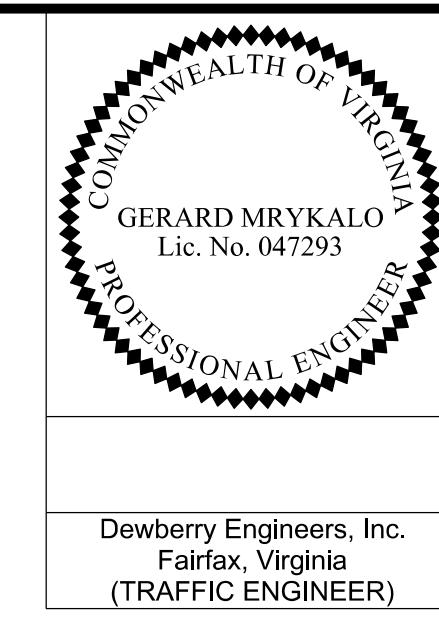
NOTE: SEE SHEET 22 FOR RIGHT-OF-WAY LEGEND.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	1M(6) AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rita Stroh, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull, L.S. (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase 1B



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	IM(6G) AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pav. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

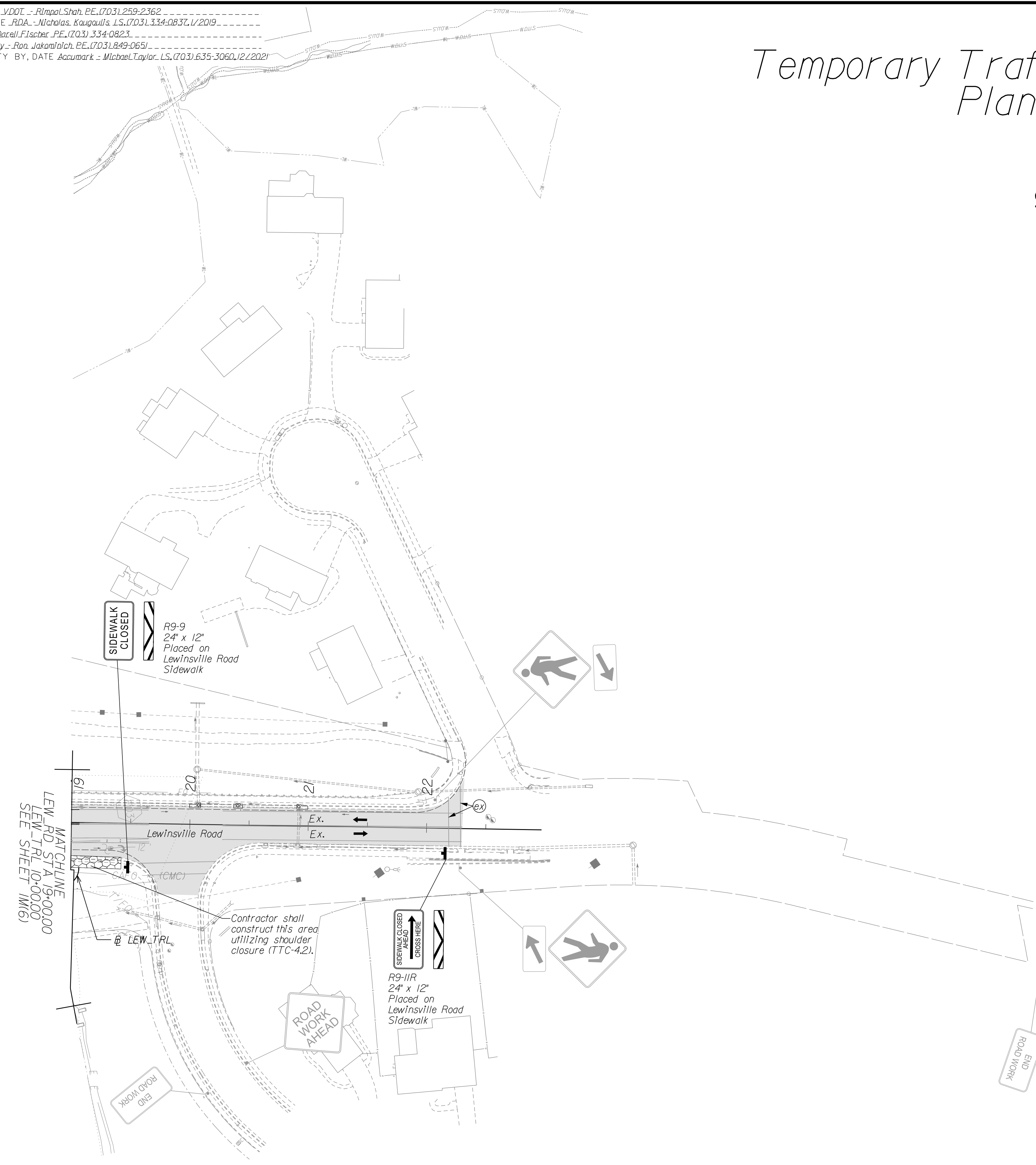
Note: Temporary raised pavement markers shall be installed in accordance with the VMAPM.

Legend

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (incl. R5-1 "Do Not Enter" Sign)

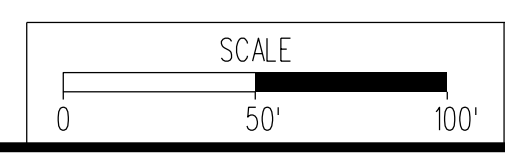
Note: Legend items shown in grey denote previous phase work/placement.

NOTE:
SEE SHEET 22 FOR RIGHT-OF-WAY LEGEND.



NOVA DISTRICT

12/16/2022

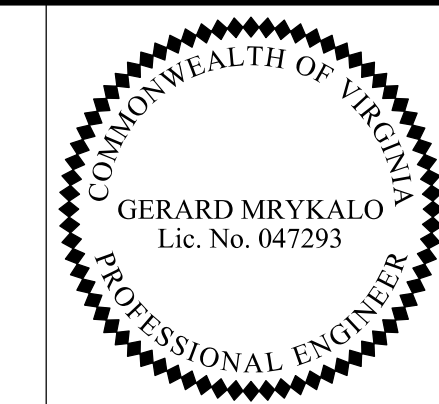


VDOT PROJECT NO. 0495-029-419	SHEET NO. IM(6G) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rita Pal-Straub, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, LS, (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

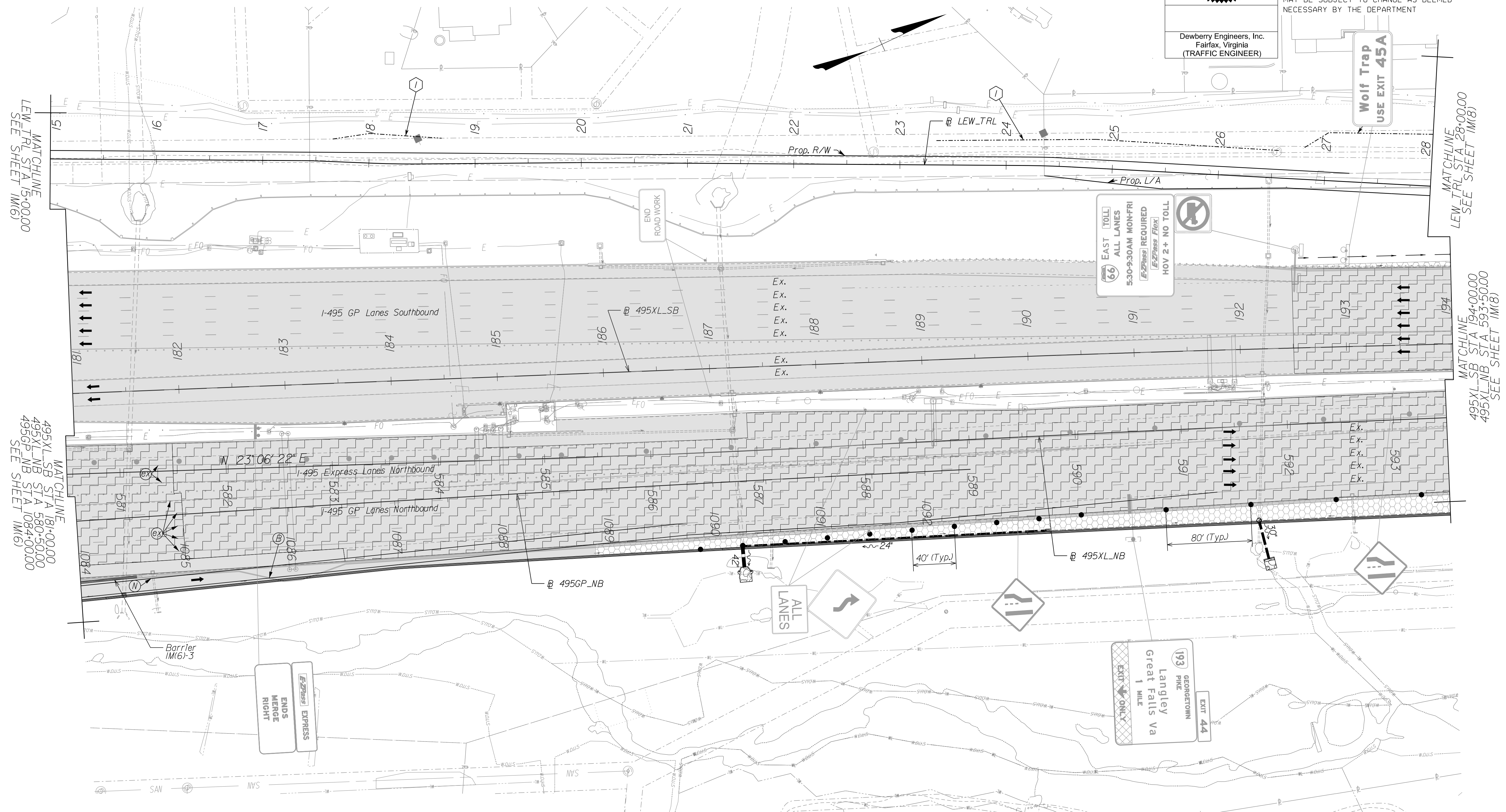
Temporary Traffic Control Plans Phase 1B



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	1M(7) AREA 2

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



MATCHLINE
 495XL-SB STA 181+00.00
 495XL-NB STA 1084+00.00
 SEE SHEET 1M(6)

MATCHLINE
 LEW_TRL STA 28+00.00
 SEE SHEET 1M(8)

MATCHLINE
 495XL-SB STA 194+00.00
 495XL-NB STA 593+50.00
 SEE SHEET 1M(8)

Temporary Traffic Control Mark Legend

(A) White, 4" Width, Solid Line Line	(M) Yellow, 4" Width, Solid Line Line
(B) White, 6" Width, Solid Line Line	(N) Yellow, 6" Width, Solid Line Line
(C) White, 8" Width, Solid Line Line	(O) Yellow, 8" Width, Solid Line Line
(D) White, 12" Width, Solid Line Line	(P) Yellow, 12" Width, Solid Line Line
(E) White, 24" Width, Solid Line Line	(Q) Yellow, 4" Width, 2' Long, 6' Space/pad
(F) White, 4" Width, 2' Long, 6' Space/pad	(R) Yellow, 4" Width, Double Line Line
(G) White, 4" Width, 10' Long, 30' Space/pad	(S) Yellow, 6" Width, Double Line Line
(H) White, 6" Width, 3' Long, 9' Space/pad	(T) Yellow, 24" Width @ 45°/45°
(I) White, 6" Width, 10' Long, 30' Space/pad	(U) White, Pave. Mark. Sym./Mess. Mess.
(J) White, 8" Width, 3' Long, 9' Space/pad	(V) White, 8" Width, 3' Long, 12' Space/pad
(K) White, 8" Width, 10' Long, 30' Space/pad	(W) Type E, Removable Black Tape Tape
(L) White, Yield Marking/Marking	(X) Existing Pavement Marking/Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAP/AFPM.

Legend

(Hatched Box)	Denotes Full-Depth Perm. Pavement Construction This Phase
(Dotted Box)	Denotes Mill & Overlay/Build-Up Construction This Phase
(Diagonal Lines)	Denotes Temp. Pavement Construction This Phase
(Grey Box)	Denotes Traffic Area
(Cross-hatched Box)	Denotes Work Area
(Arrow)	Denotes Traffic Flow
(Dashed Line)	Denotes Group II Channelizing Devices
(Solid Line)	Denotes Temporary Concrete Barrier
(Rectangular Box)	Denotes TL-3, Type I Impact Attenuator
(Z-shaped Line)	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

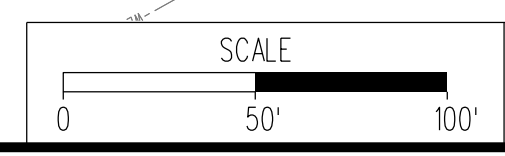
Note: Legend items shown in grey denote previous phase work/placement.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1M(6)-3	495GP_NB	SEE SHEET 1M(6)			1084+53	56.00' RT

Provide Barrier Flare rate when introducing temporary barrier service.

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.



VDOT PROJECT NO. 0495-029-419	SHEET NO. 1M(7) AREA 2
----------------------------------	------------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

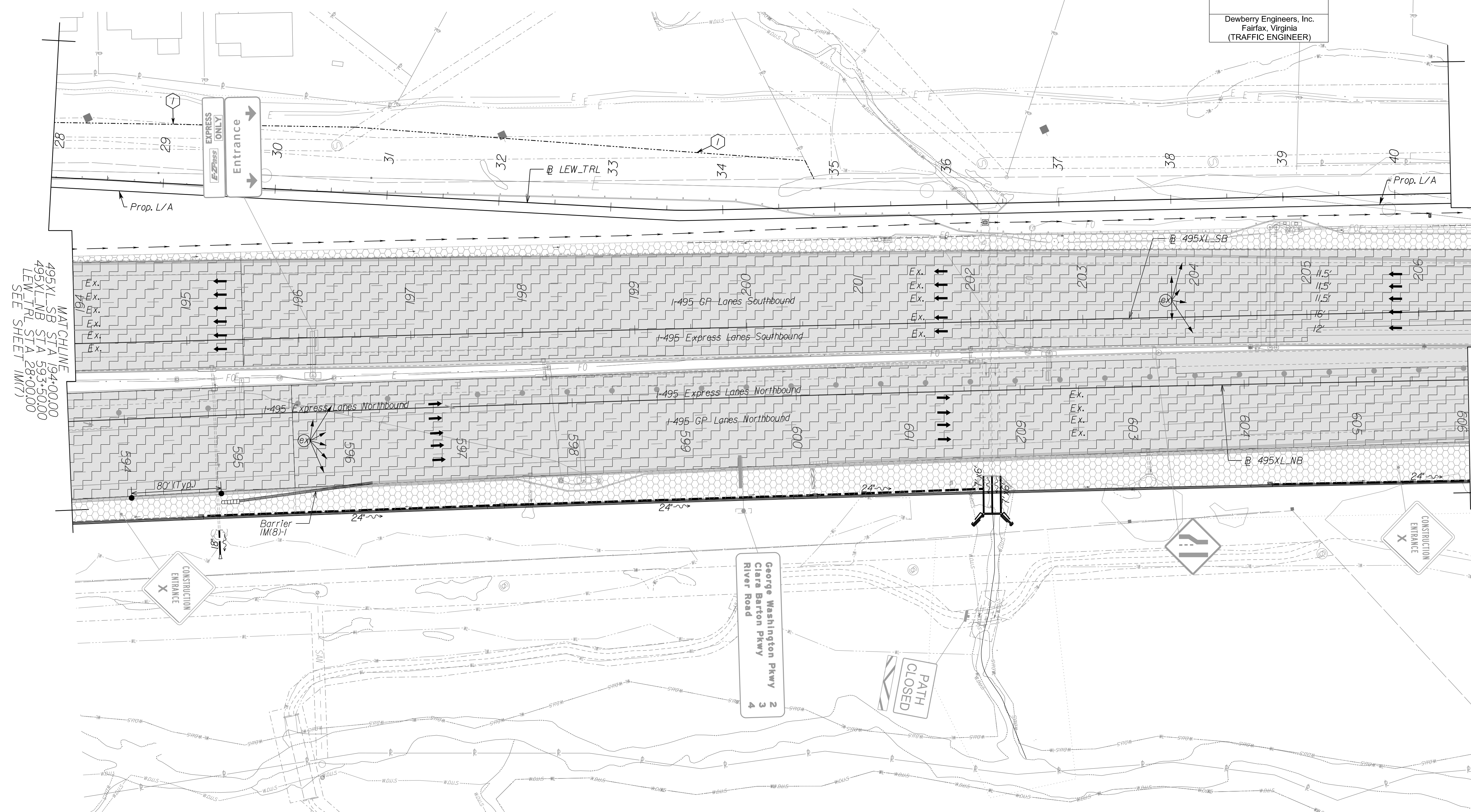
Temporary Traffic Control Plans Phase 1B

GERARD MRYKALO
 Lic. No. 047293
 COMMONWEALTH OF VIRGINIA
 PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1M(8) AREA 2

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



MATCHLINE
 495XL-SB STA 194+00.00
 495XL-NB STA 593+50.00
 LEW_TRL STA 28+00.00
 SEE SHEET 1M(7)

MATCHLINE
 495XL-SB STA 206+50.00
 495XL-NB STA 606+00.00
 LEW_TRL STA 40+50.00
 SEE SHEET 1M(9)

NOVA DISTRICT

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 2 1/2" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 2 1/2" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Messis.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E - Removable Block Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPMM.

Legend

(Hatched Box)	Denotes Full-Depth Perm. Pavement Construction This Phase
(Diagonal Lines Box)	Denotes Mill & Overlay/Build-Up Construction This Phase
(Dotted Box)	Denotes Temp. Pavement Construction This Phase
(Grey Box)	Denotes Traffic Area
(Cross-hatched Box)	Denotes Work Area
(Arrow)	Denotes Traffic Flow
(Dashed Line)	Denotes Group II Channelizing Devices
(Solid Line)	Denotes Temporary Concrete Barrier
(Dashed Line with Arrow)	Denotes TL-3, Type I Impact Attenuator
(Sign Symbol)	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1M(8)-1	495XL-NB	595+00	76.90' RT	20:1	598+91	61.89' RT

Provide Barrier Flare rate when introducing temporary barrier service.

NOTE:
 SEE SHEET 22 FOR RIGHT-OF-WAY LEGEND.

SCALE 0 50' 100'

VDOT PROJECT NO. 0495-029-419 SHEET NO. 1M(8) AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomlitch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

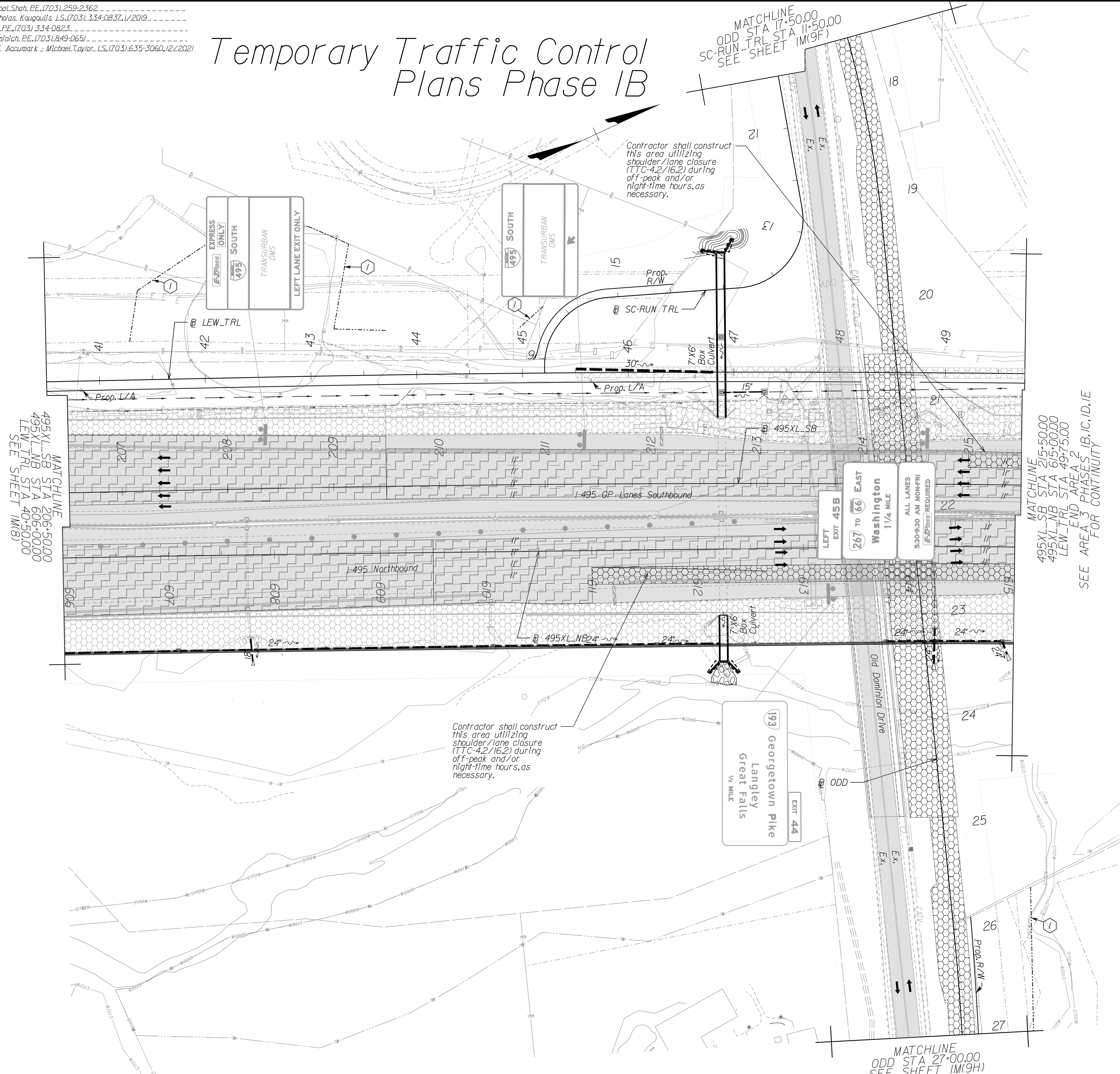
Temporary Traffic Control Plans Phase 1B

GERARD MRYKALO
Lic. No. 047293
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	1M(9) AREA 2

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



NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark, Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAPM.

Legend

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1M(9) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

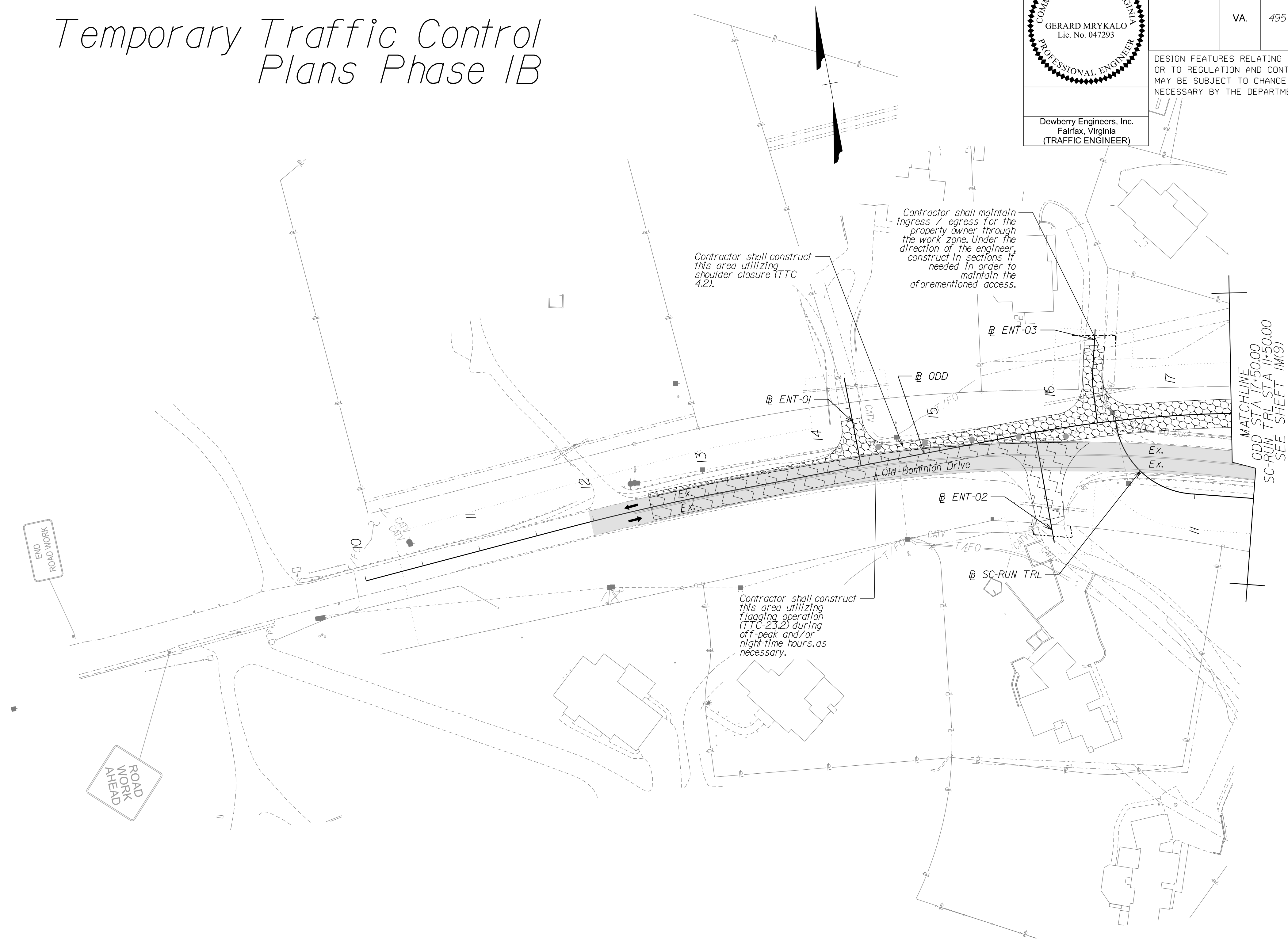
Temporary Traffic Control Plans Phase 1B

GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419	IM(9F) AREA 2

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



NOVA DISTRICT

12/16/2022

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

NOTE:
SEE SHEET 22 FOR RIGHT-OF-WAY LEGEND.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. IM(9F) AREA 2
---------------------	----------------------------------	-------------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakomilich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

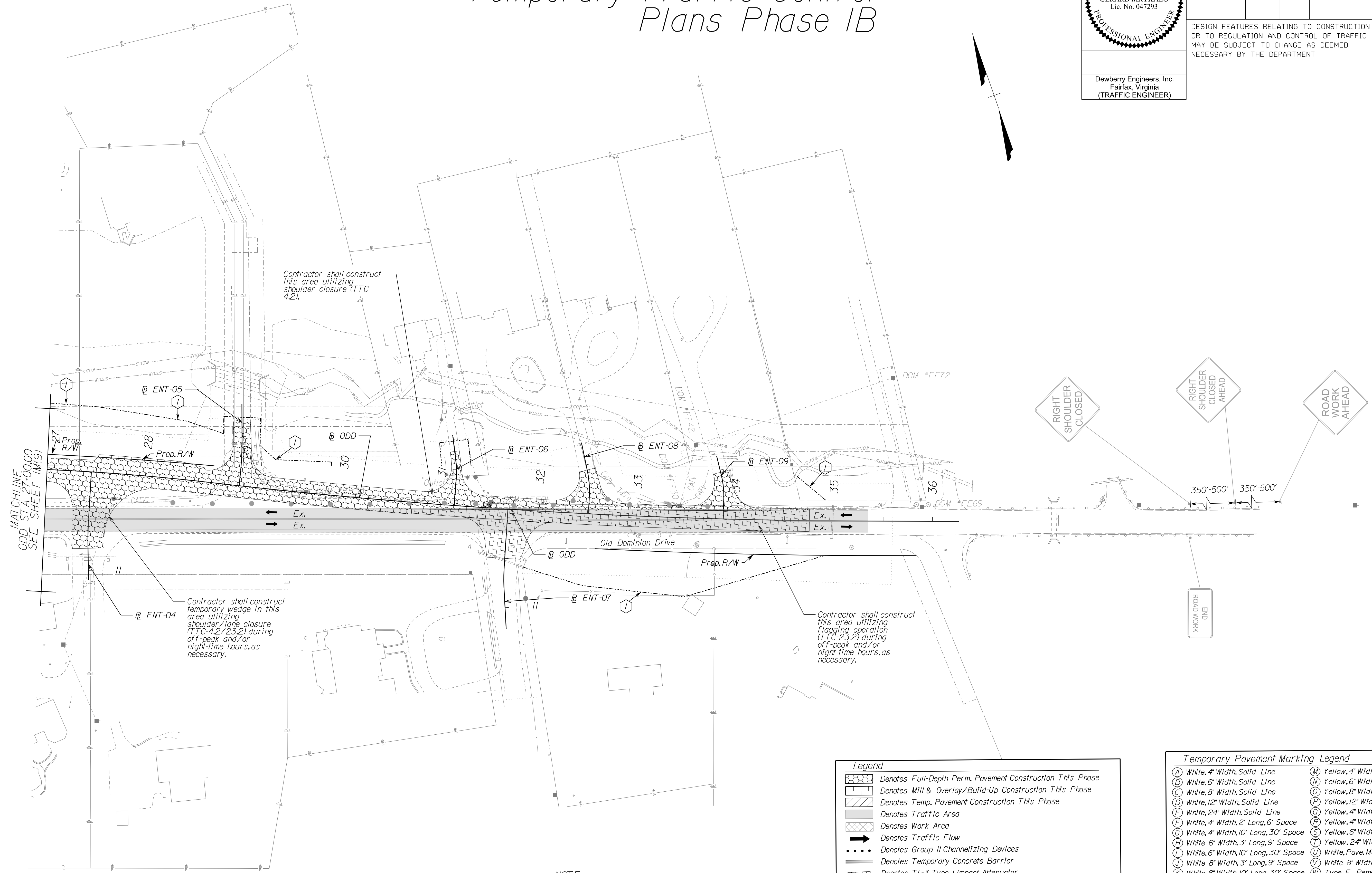
Temporary Traffic Control Plans Phase 1B

COMMONWEALTH OF VIRGINIA
GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 FE101 CS01 RW201	1M(9H) AREA 2

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



MATCHLINE
ODD STA 27+00.00
SEE SHEET 1M(9)

Contractor shall construct this area utilizing shoulder closure (TTC 4.2).

Contractor shall construct temporary wedge in this area utilizing shoulder/lane closure (TTC 4.2/23.2) during off-peak and/or night-time hours, as necessary.

Contractor shall construct this area utilizing flagging operation (TTC 23.2) during off-peak and/or night-time hours, as necessary.

NOTE:
SEE SHEET 22 FOR RIGHT-OF-WAY LEGEND.

Legend

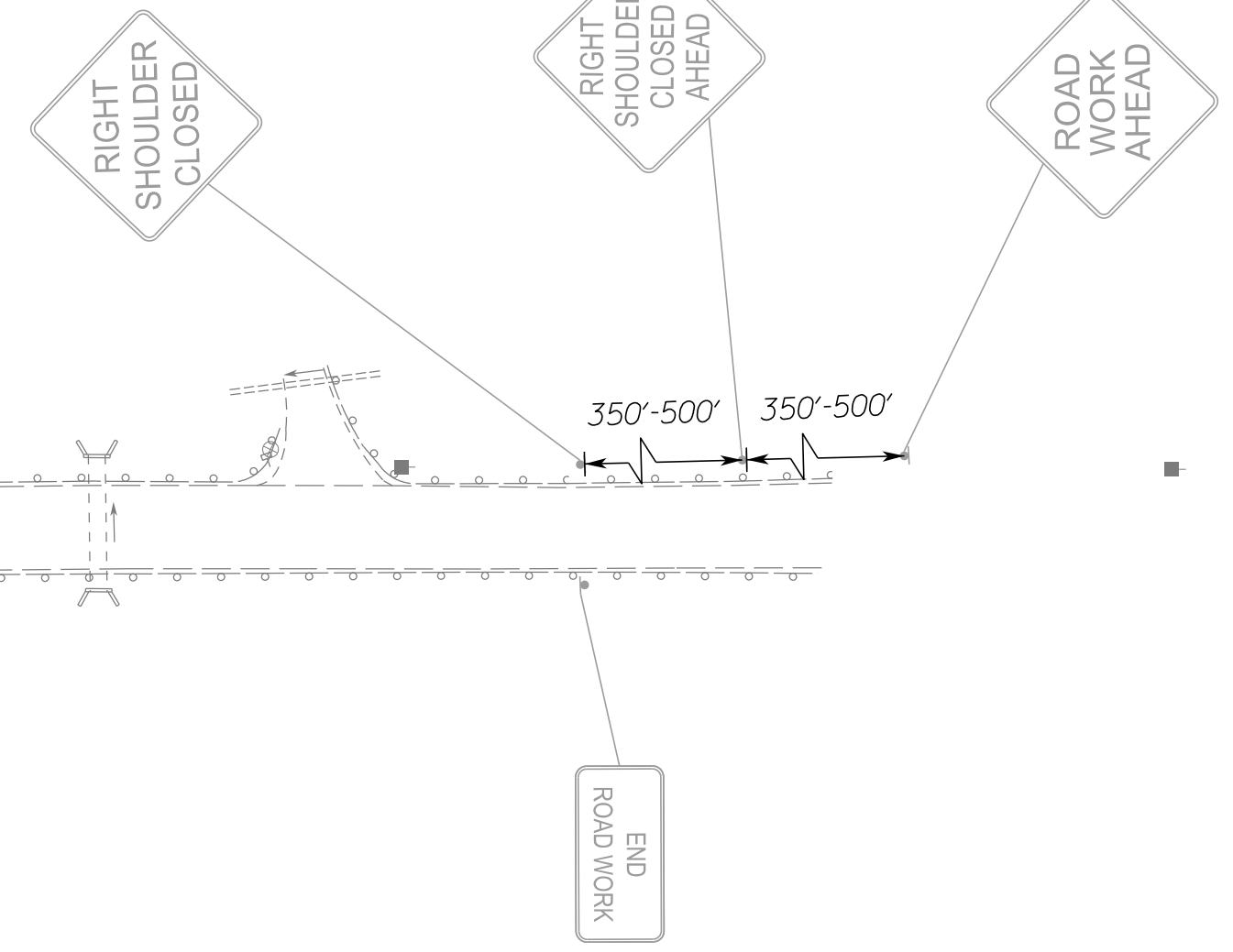
- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
- Denotes Temp. Pavement Construction This Phase
- Denotes Traffic Area
- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
- Denotes TL-3, Type I Impact Attenuator
- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.



SCALE 0 50' 100'

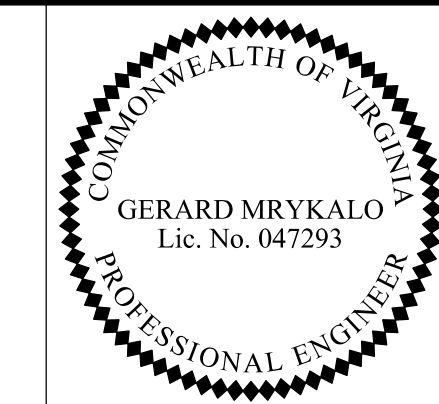
VDOT PROJECT NO. 0495-029-419 SHEET NO. 1M(9H) AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougaull's, LS, (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2022

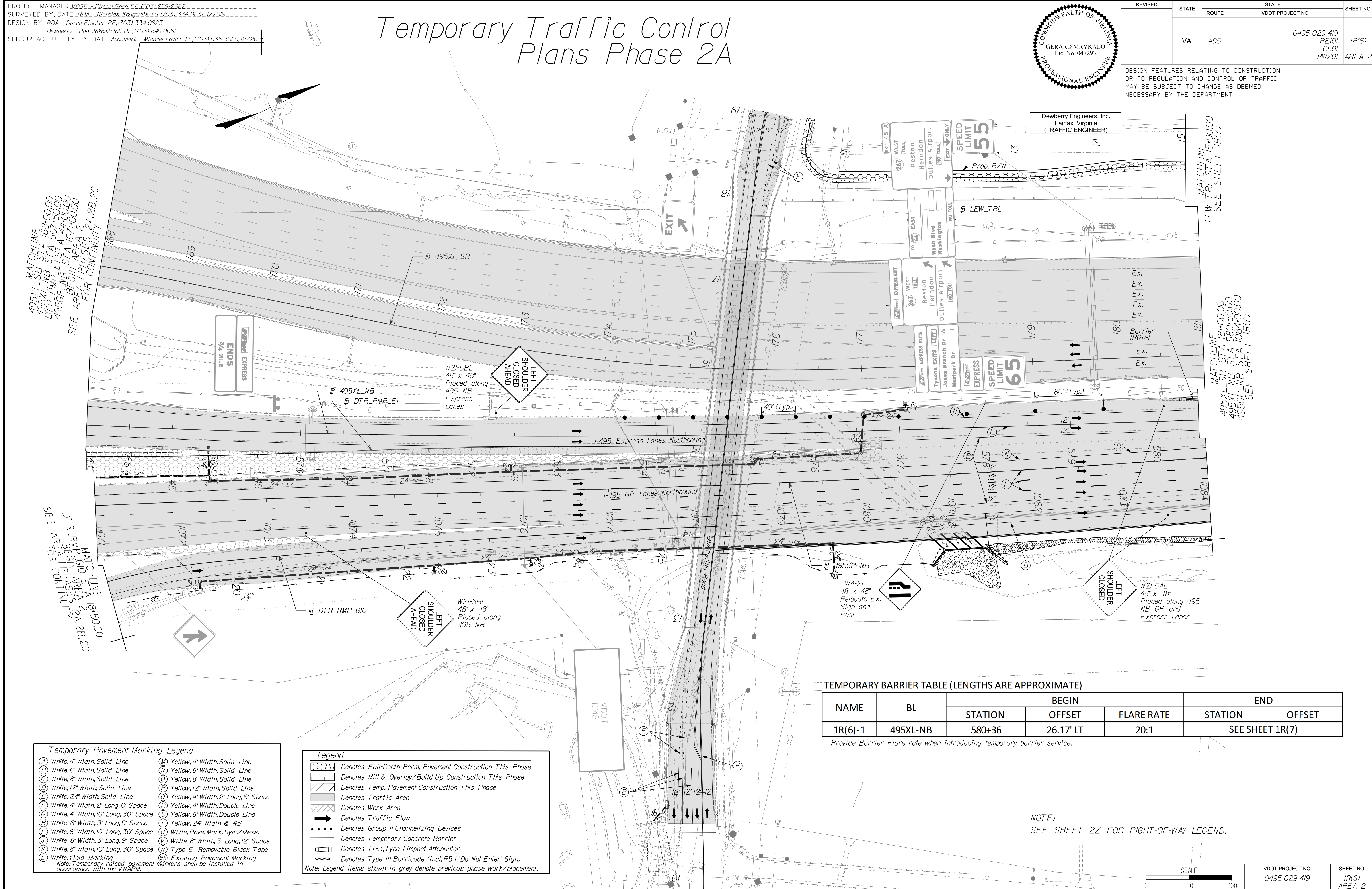
Temporary Traffic Control Plans Phase 2A



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419	1R(6)
				FE101 CS01 RW201	AREA 2

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



TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1R(6)-1	495XL-NB	580+36	26.17' LT	20:1	SEE SHEET 1R(7)	

Provide Barrier Flare rate when introducing temporary barrier service.

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

(Hatched Box)	Denotes Full-Depth Perm. Pavement Construction This Phase
(Diagonal Lines)	Denotes Mill & Overlay/Build-Up Construction This Phase
(Dotted Box)	Denotes Temp. Pavement Construction This Phase
(Grey Box)	Denotes Traffic Area
(White Box)	Denotes Work Area
(Arrow)	Denotes Traffic Flow
(Dashed Line)	Denotes Group II Channelizing Devices
(Solid Line)	Denotes Temporary Concrete Barrier
(Vertical Line)	Denotes T-L-3, Type I Impact Attenuator
(Sign Symbol)	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

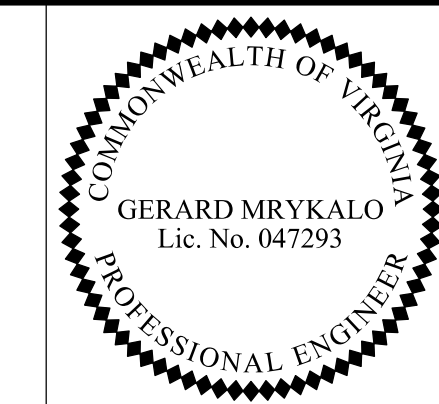
SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	1R(6) AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rita Pal-Straub, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

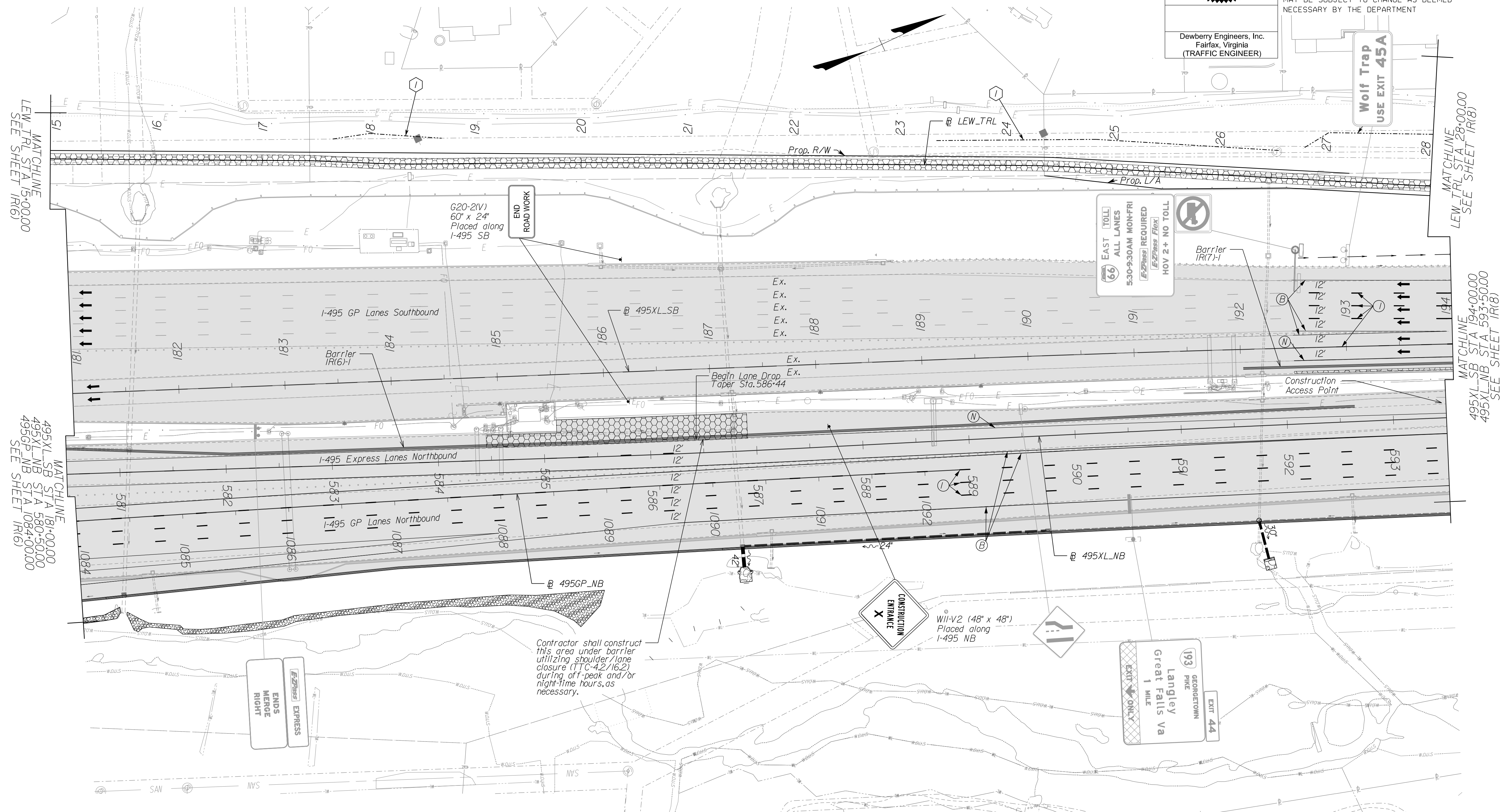
Temporary Traffic Control Plans Phase 2A



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 PE101 CS01 RW201	IR(7) AREA 2

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



MATCHLINE
 LEW_TRL STA 15+00.00
 SEE SHEET 1R(6)

MATCHLINE
 495XL_SB STA 181+00.00
 495XL_NB STA 580+50.00
 495GP_NB STA 1084+00.00
 SEE SHEET 1R(6)

MATCHLINE
 LEW_TRL STA 28+00.00
 SEE SHEET 1R(8)

MATCHLINE
 495XL_SB STA 194+00.00
 495XL_NB STA 593+50.00
 SEE SHEET 1R(8)

NOVA DISTRICT

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave, Mark, Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAP.

Legend

(Pattern)	Denotes Full-Depth Perm. Pavement Construction This Phase
(Pattern)	Denotes Mill & Overlay/Build-Up Construction This Phase
(Pattern)	Denotes Temp. Pavement Construction This Phase
(Pattern)	Denotes Traffic Area
(Pattern)	Denotes Work Area
(Arrow)	Denotes Traffic Flow
(Dotted)	Denotes Group II Channelizing Devices
(Pattern)	Denotes Temporary Concrete Barrier
(Pattern)	Denotes TL-3, Type I Impact Attenuator
(Pattern)	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

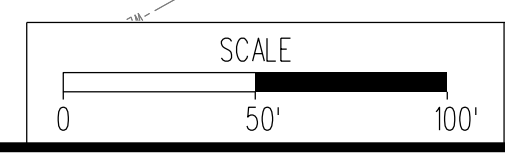
Note: Legend items shown in grey denote previous phase work/placement.

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1R(6)-1	495XL-NB	SEE SHEET 1R(6)			592+64	14.40' LT
1R(7)-1	495XL-SB	192+02	17.92' RT	20:1	SEE SHEET 1R(8)	

Provide Barrier Flare rate when introducing temporary barrier service.

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

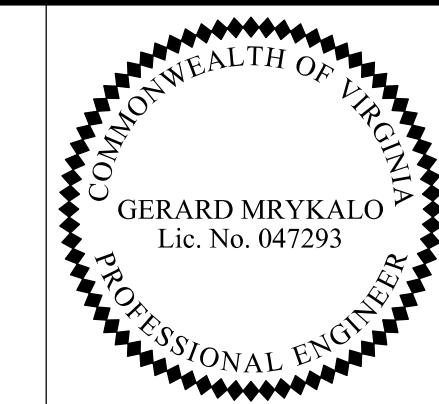


VDOT PROJECT NO. 0495-029-419	SHEET NO. IR(7) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomilich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

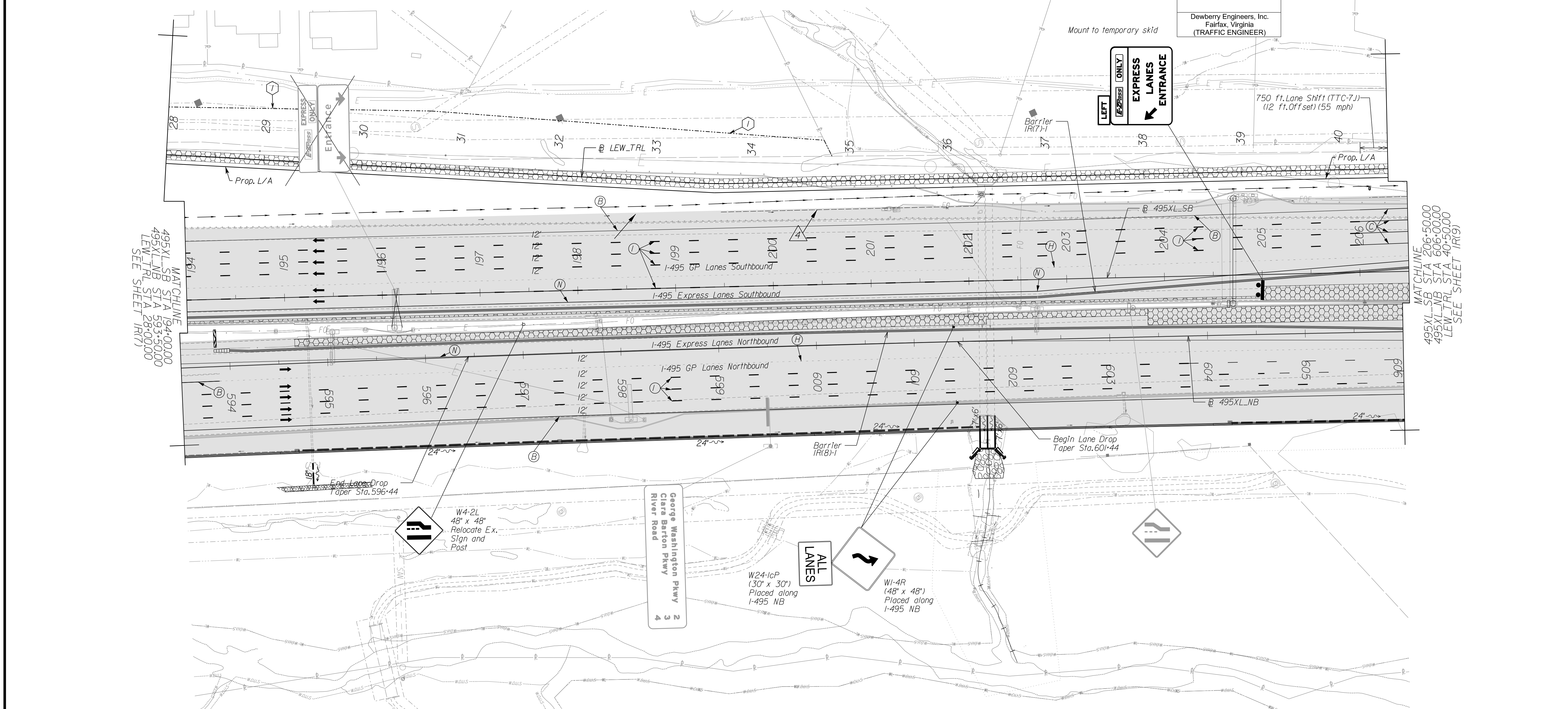
Temporary Traffic Control Plans Phase 2A



Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	1R(8) AREA 2

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



NOVA DISTRICT

12/16/2022

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1R(7)-1	495XL-SB	SEE SHEET 1R(7)			SEE SHEET 1R(9)	
1R(8)-1	495XL-NB	594+00	15.97' LT	20:1	SEE SHEET 1R(9)	

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6" Space
(F) White, 4" Width, 2' Long, 6" Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E, Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

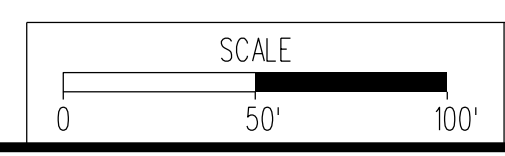
Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

NOTE:
SEE SHEET 22 FOR RIGHT-OF-WAY LEGEND.

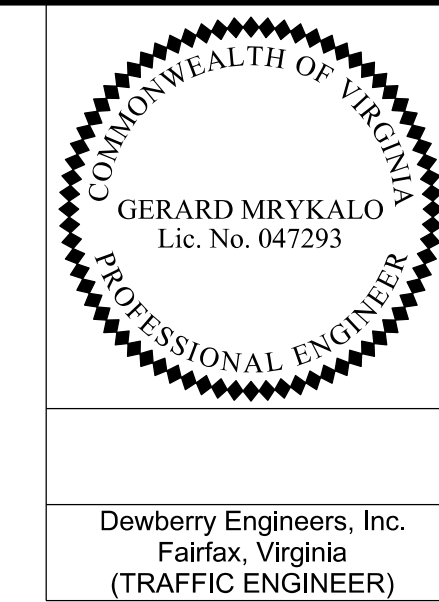


VDOT PROJECT NO. 0495-029-419	SHEET NO. 1R(8) AREA 2
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APPROVED FOR CONSTRUCTION

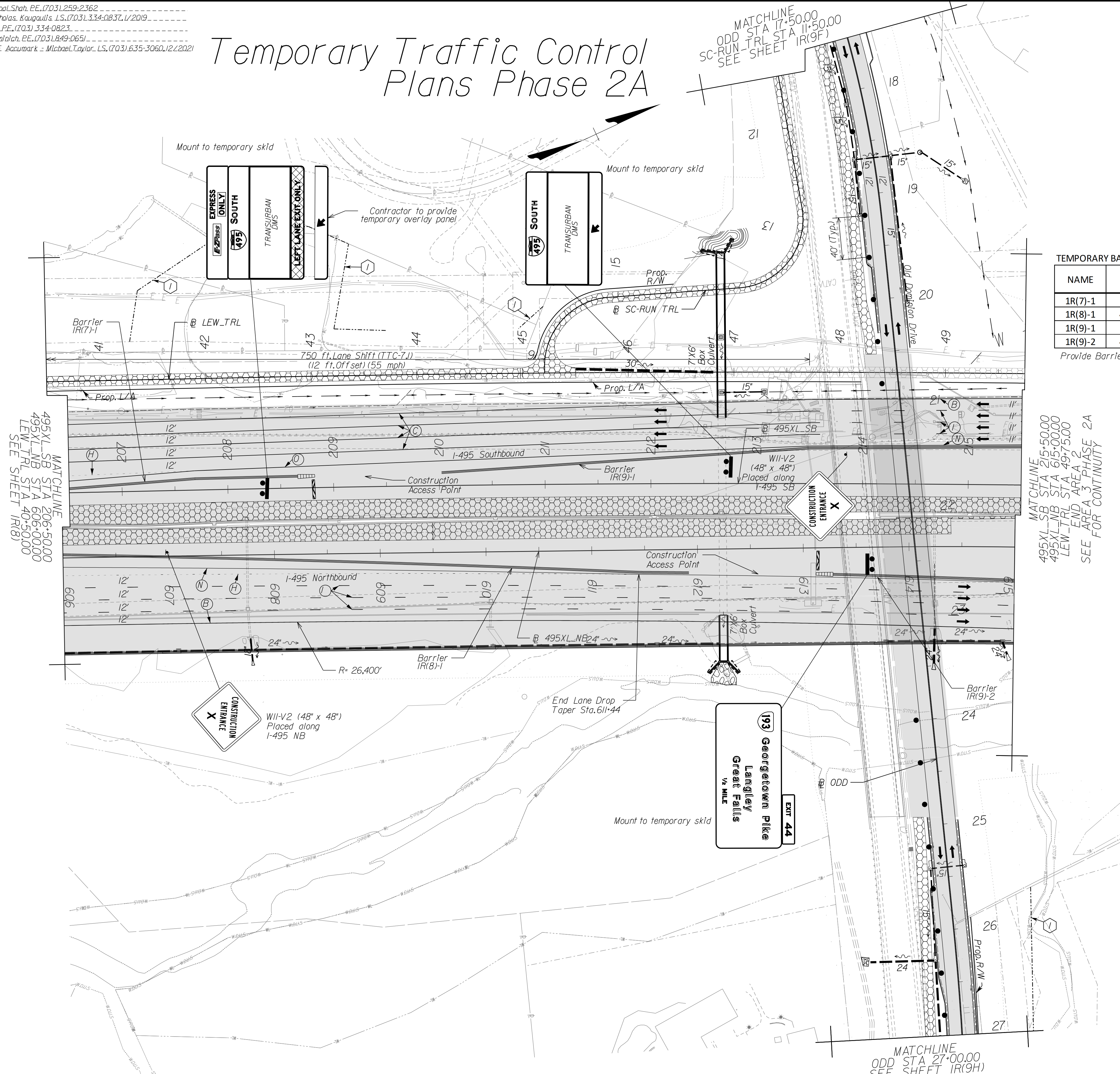
PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase 2A



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 CS01 RW201	IR(9) AREA 2

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



TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1R(7)-1	495XL-SB		SEE SHEET 1R(8)		208+66	11.14' LT
1R(8)-1	495XL-NB		SEE SHEET 1R(8)		611+92	22.07' RT
1R(9)-1	495XL-SB	210+02	12.25' LT	20:1		SEE SHEET 1R(10)
1R(9)-2	495XL-NB	613+28	25.97' RT	20:1		SEE SHEET 1R(10)

Provide Barrier Flare rate when introducing temporary barrier service.

MATCHLINE
 495XL-SB STA 215+50.00
 495XL-NB STA 615+00.00
 LEW_TRL STA 49+75.00
 END AREA 2
 SEE AREA 3 PHASE 2A
 SEE FOR CONTINUITY

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pave. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VMAPM.

Legend

[Pattern]	Denotes Full-Depth Perm. Pavement Construction This Phase
[Pattern]	Denotes Mill & Overlay/Build-Up Construction This Phase
[Pattern]	Denotes Temp. Pavement Construction This Phase
[Pattern]	Denotes Traffic Area
[Pattern]	Denotes Work Area
[Arrow]	Denotes Traffic Flow
[Dotted]	Denotes Group II Channelizing Devices
[Line]	Denotes Temporary Concrete Barrier
[Symbol]	Denotes TL-3, Type I Impact Attenuator
[Symbol]	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. IR(9) AREA 2
---------------------	----------------------------------	------------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, L.S. (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomilich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

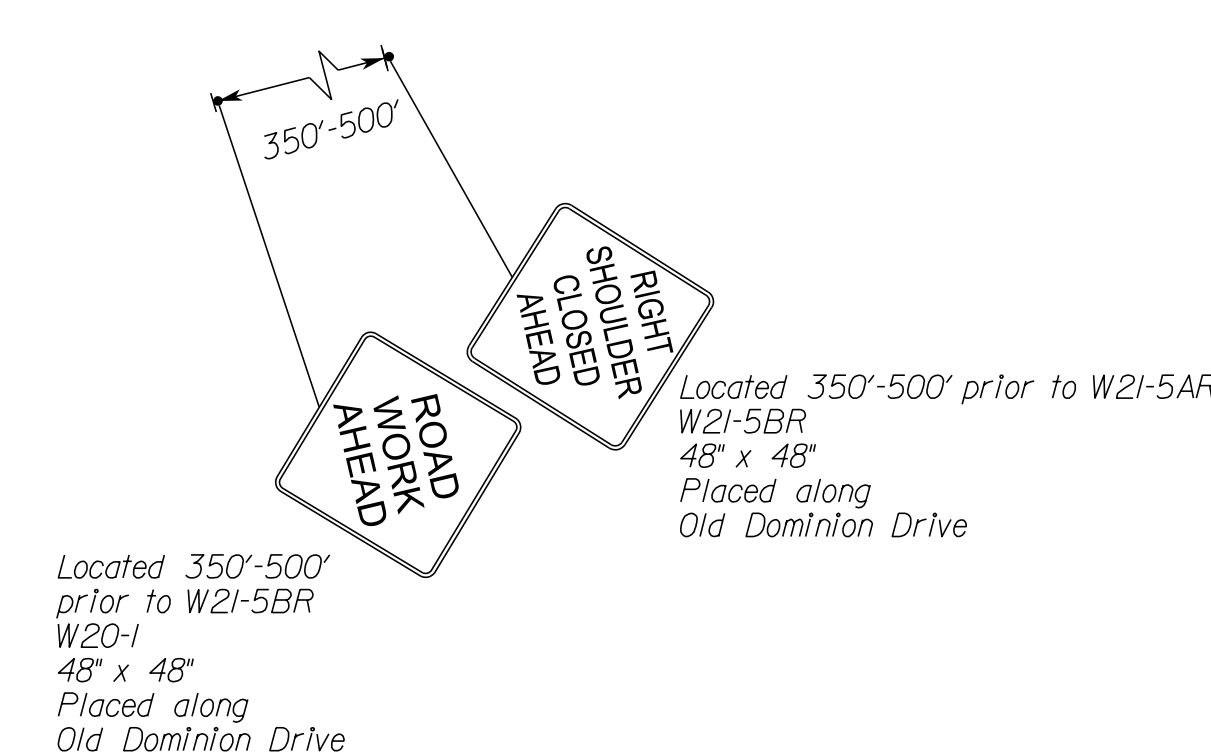
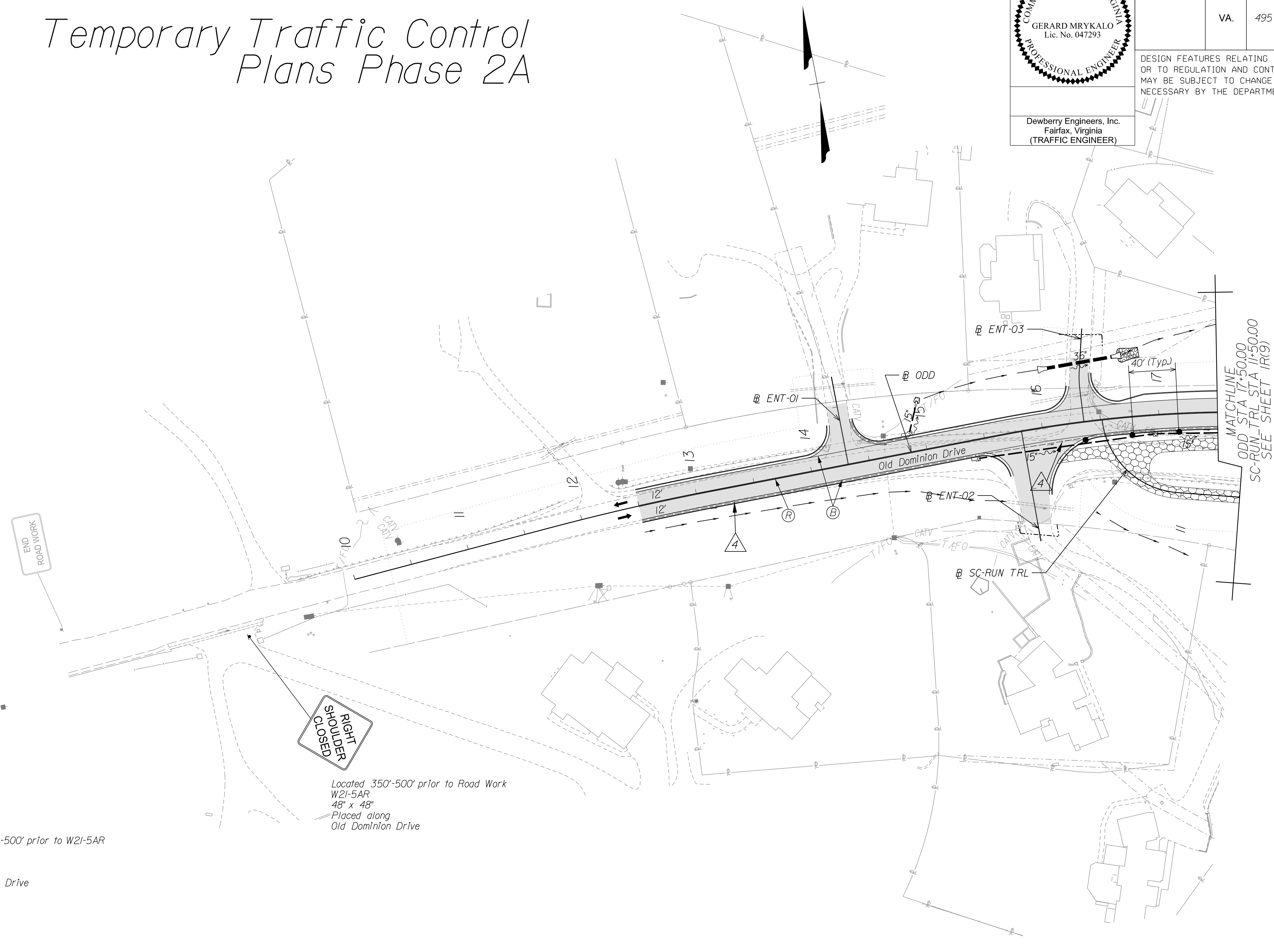
Temporary Traffic Control Plans Phase 2A

GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419	1R(9F) AREA 2

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



Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pavement Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

Legend

	Denotes Full-Depth Perm. Pavement Construction This Phase
	Denotes Mill & Overlay/Build-Up Construction This Phase
	Denotes Temp. Pavement Construction This Phase
	Denotes Traffic Area
	Denotes Work Area
	Denotes Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Temporary Concrete Barrier
	Denotes TL-3, Type I Impact Attenuator
	Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

Note: Legend items shown in grey denote previous phase work/placement.

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1R(9F) AREA 2
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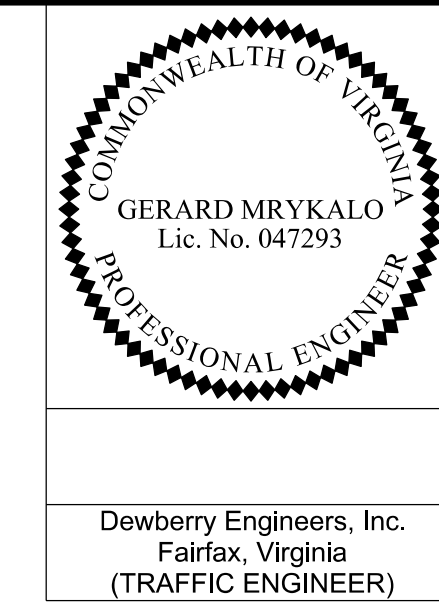
APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomilich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

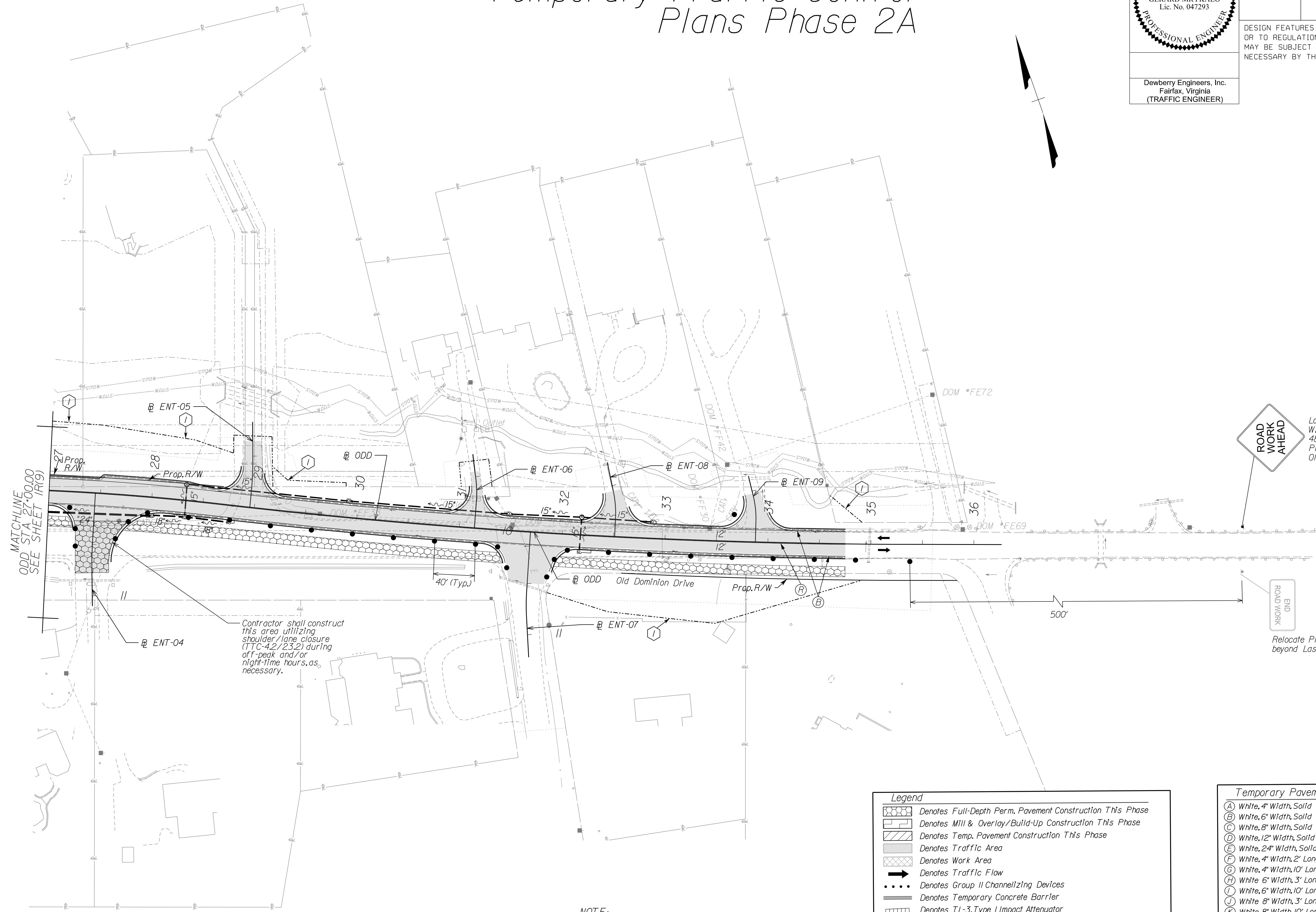
Temporary Traffic Control Plans Phase 2A



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 FE101 CS01 RW201	1R(9H) AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)



MATCHLINE
ODD STA 27+00.00
SEE SHEET 1R(9)

Contractor shall construct this area utilizing shoulder lane closure (TTC-4.2/23.2) during off-peak and/or night-time hours, as necessary.



Located 350'-500' prior to Road Work W20-1
48" x 48"
Placed along Old Dominion Drive



Relocate Previously Installed G20-2(V) to 500' beyond Last Drum

Legend

- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
- Denotes Temp. Pavement Construction This Phase
- Denotes Traffic Area
- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
- Denotes T-L-3, Type I Impact Attenuator
- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

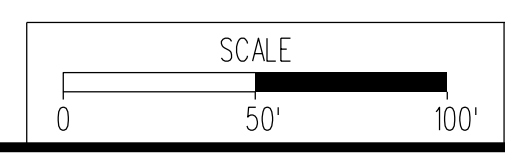
Note: Legend items shown in grey denote previous phase work/placement.

Temporary Pavement Marking Legend

(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 4" Width, 2' Long, 6' Space
(F) White, 4" Width, 2' Long, 6' Space	(R) Yellow, 4" Width, Double Line
(G) White, 4" Width, 10' Long, 30' Space	(S) Yellow, 6" Width, Double Line
(H) White, 6" Width, 3' Long, 9' Space	(T) Yellow, 24" Width @ 45°
(I) White, 6" Width, 10' Long, 30' Space	(U) White, Pav. Mark. Sym./Mess.
(J) White, 8" Width, 3' Long, 9' Space	(V) White, 8" Width, 3' Long, 12' Space
(K) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(L) White, Yield Marking	(X) Existing Pavement Marking

Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY LEGEND.



VDOT PROJECT NO. 0495-029-419	SHEET NO. 1R(9H) AREA 2
----------------------------------	-------------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Riprap/Strat. PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull's LS (703) 334-0837, 12/12/2021
DESIGN BY RDA - Darrell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomlitch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2/2021

General Notes

REVISED	STATE		VDOT PROJECT NO.	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419 C501 RW201	2 AREA 2

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

GRADING

- G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.
- G-6 The borrow material for this project shall be a minimum CBR 5.0 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.

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 2016 Road and Bridge Standards 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 2016 Road and Bridge Standards PC-1.
- D-8 Where open joint pipe is to be used, no joint shall be opened a distance exceeding 25% of the spigot length. Sealing of the pipe joint shall be in accordance with Section 302 of the applicable VDOT 2020 Road and Bridge Specifications.
- D-9 A pipe joint length different from that stated on the plans may be used. An adjustment in the percentage of open joint (not to exceed 25% of the spigot length) or amount of bevel shall be made that will obtain the radius stated on the plans. Extra payment for this adjustment will not be allowed. The proposed adjustment shall be approved by the Engineer prior to installation of the pipe line.
- D-10 The proposed riprap may be omitted by the Engineer if the slope designated for placement of riprap is found to be comprised of solid rock or closely consolidated boulders with soundness, size and weight equal to, or exceeding, the specifications for the proposed riprap.
- D-12 All existing drainage facilities labeled "To Be Abandoned" shall be left in place, backfilled and plugged in accordance with the VDOT 2016 Road and Bridge Standards PP-1. Basis of Payment will be C.Y. of Flowable Backfill.
- D-14 Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT 2016 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 2016 Road and Bridge Standards.
- D-17 St'd. SL-1 Safety Slab locations are based on the assumed use of precast structures. If cast-in-place structures are utilized, and the interior chamber dimensions (length and width, or diameter) are less than 4 feet, the safety slabs shall not be installed.

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-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-16 The "underground utilities" survey data on this project has been provided by consultant and copies are available from the Department.
 - 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 2020 Road and Bridge Specifications, MUTCD, sequence of construction/traffic control plans, pavement marking plan sheets 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 Associates, P.C. / Dewberry
 - Roadway Design - Rinker Design Associates, P.C. / Dewberry
 - Utility Design - Rinker Design Associates, P.C. / Michael Baker International, Inc.
 - Utility Designation - Accumark
 - Utility Location - Accumark
 - Survey - Rinker Design Associates, P.C. / Dewberry / Rice Associates, Inc.
 - Bridge Design - Rinker Design Associates, P.C. / Dewberry
 - Traffic Design - Dewberry
 - Landscape Design - Dewberry
- If questions or problems arise during construction, please contact the Area Construction Engineer. DO NOT CONTACT THE OUTSIDE SOURCES.

EROSION AND SEDIMENT CONTROL (ESC)

- E-1 See the 1U thru 1X sheet series for the Erosion and Siltation Control Plan for notes and narratives.

NOVA DISTRICT

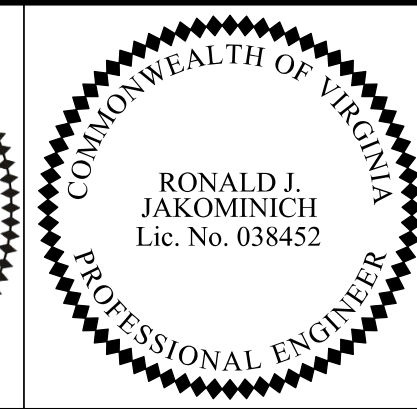
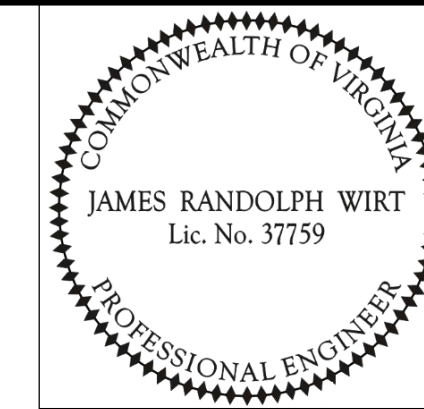
12/16/2022

VDOT PROJECT NO. 0495-029-419	SHEET NO. 2 AREA 2
----------------------------------	--------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rita Pal...
 SURVEYED BY_DATE_RDA - Nicholas...
 DESIGN BY_RDA - Darrell Fischer...
 SUBSURFACE UTILITY BY_DATE_Accumark - Michael Taylor...

Typical Sections



REVISED	STATE	ROUTE	STATE PROJECT NO.	SHEET NO.
	VA	495	0495-029-419 C501 RW201	2A AREA 2

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

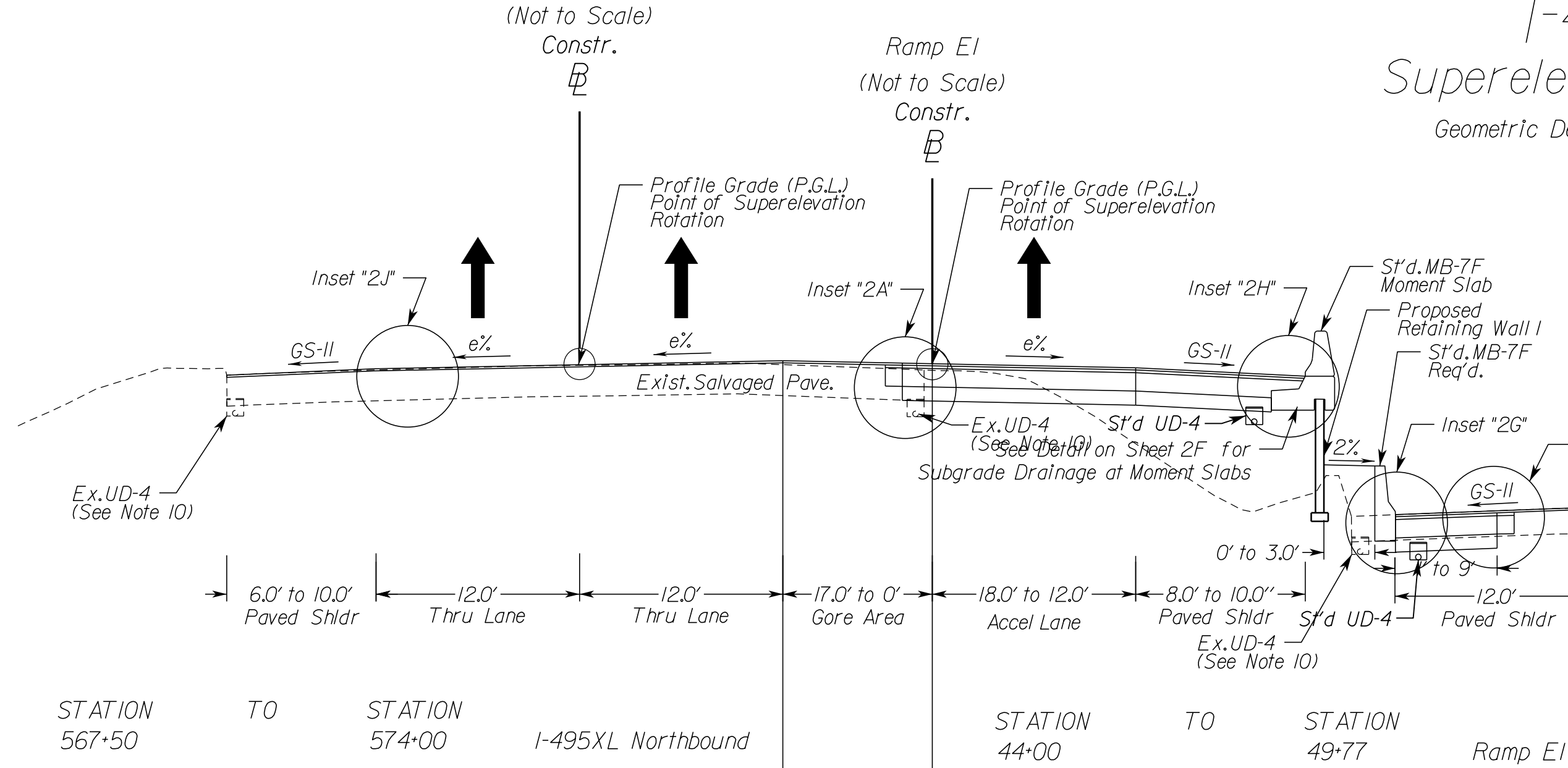
ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

I-495XL Northbound Superelevated Section, 2 Lane Interstate

Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH

(Not to Scale)
Constr.

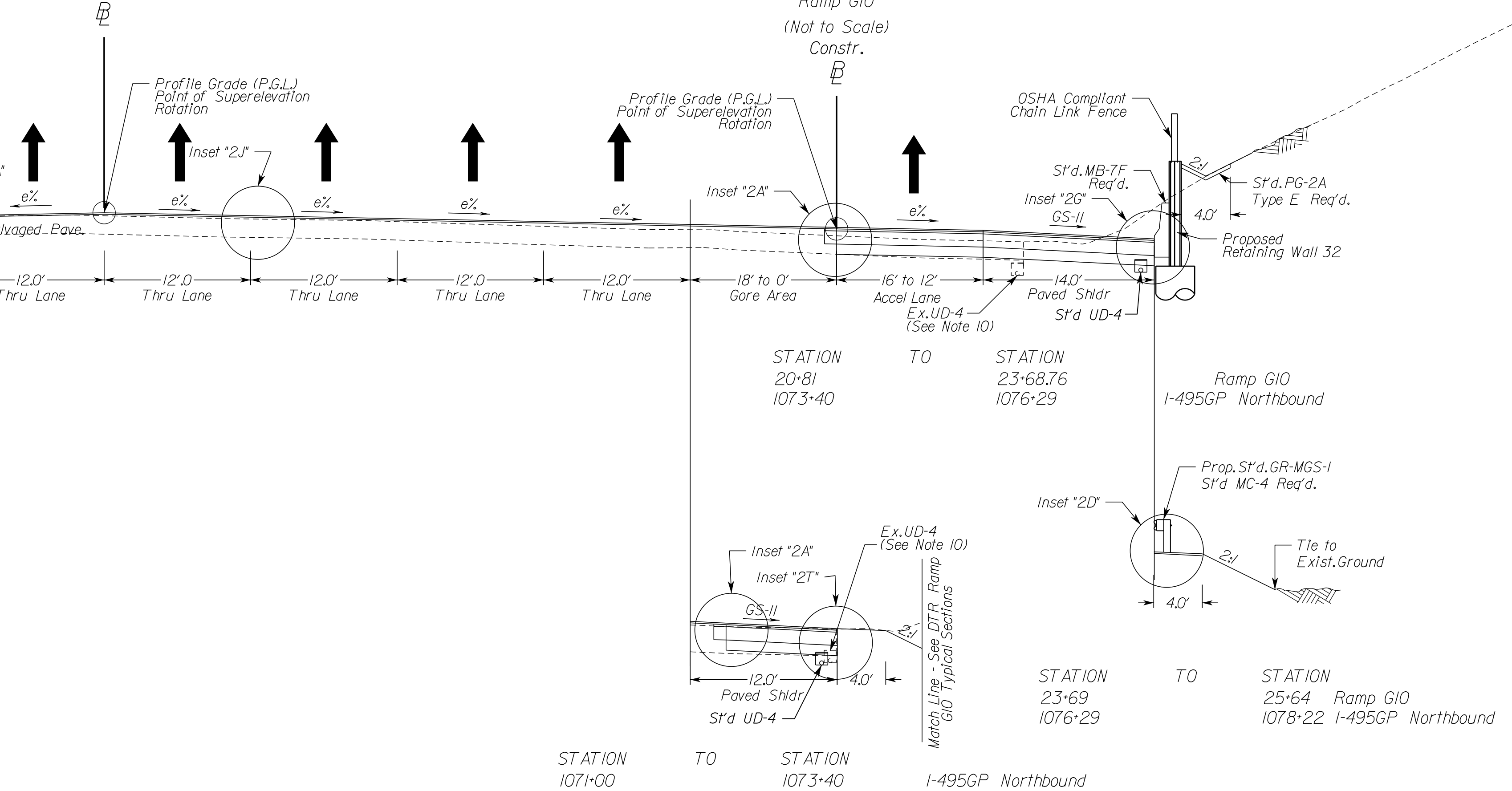


STATION 44+00 TO STATION 45+53
567+50 TO 569+03
Ramp E1
I-495XL Northbound

I-495GP Northbound Superelevated Section, 5 Lane Interstate

Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH

(Not to Scale)
Constr.

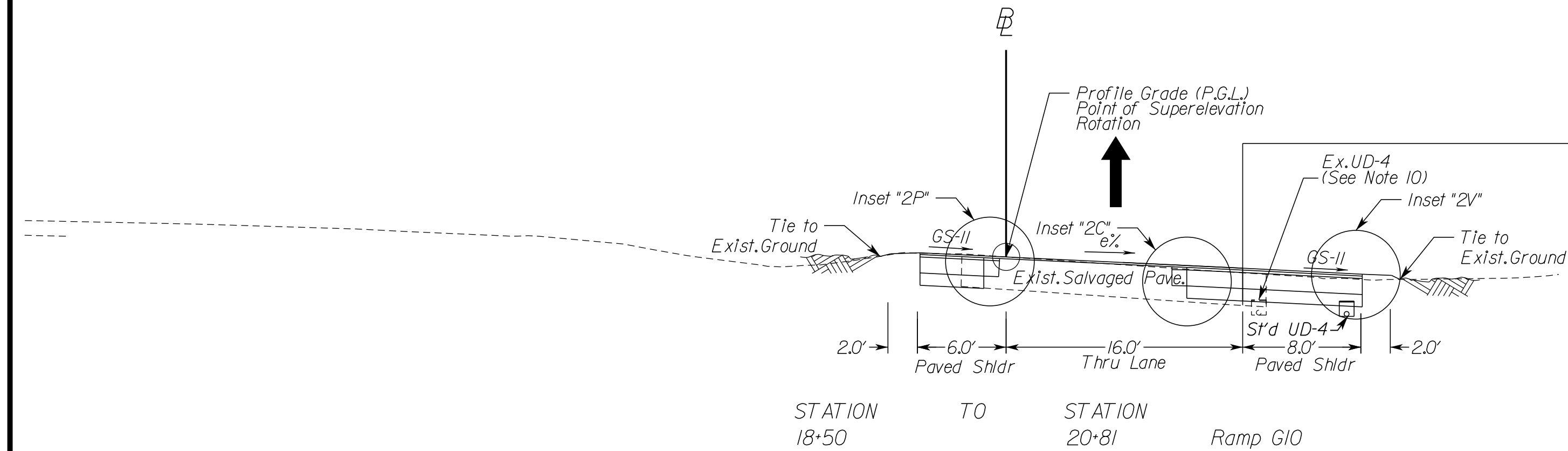


STATION 1071+00 TO STATION 1073+40
I-495GP Northbound

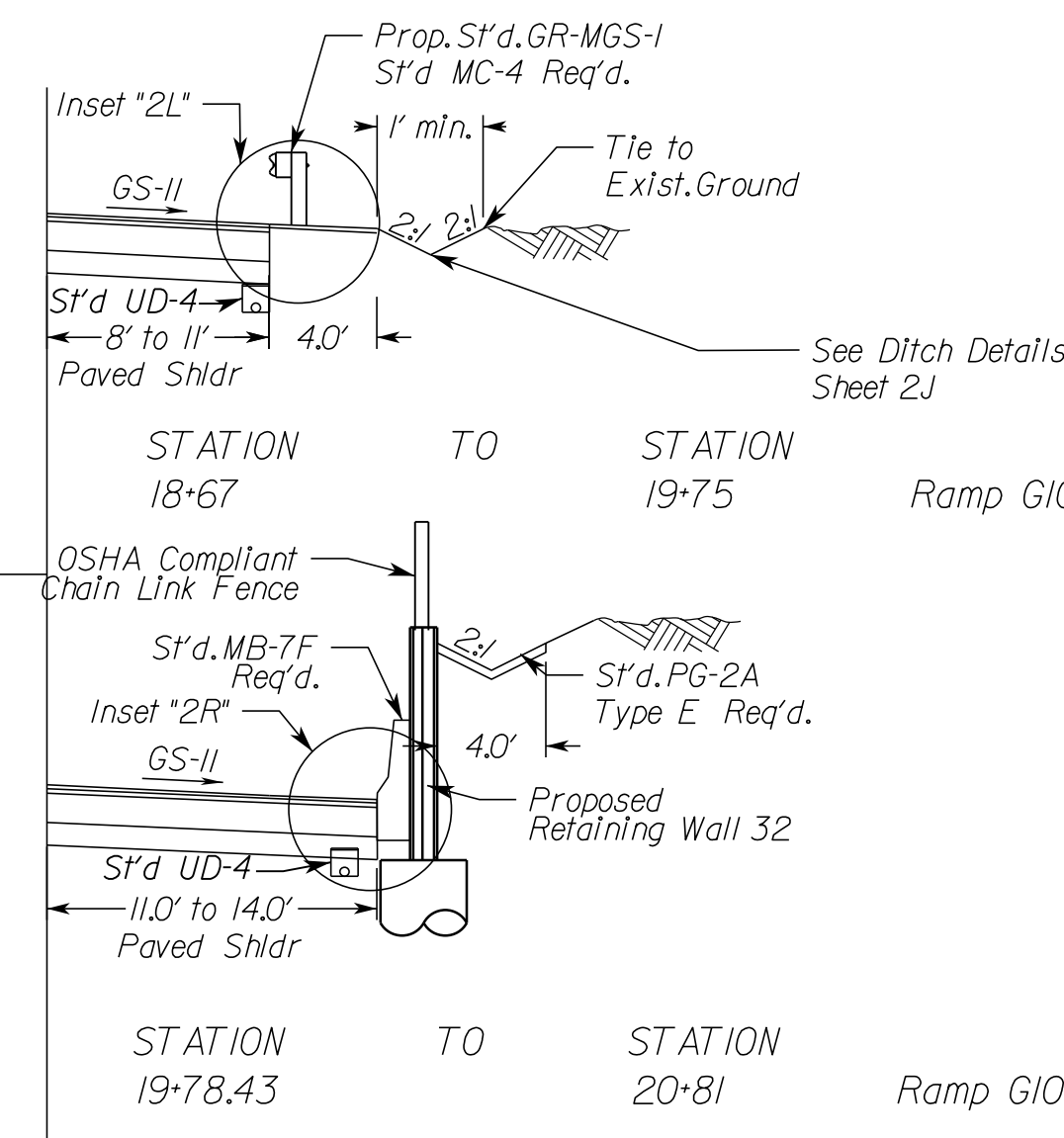
Ramp G10 Superelevated Section, Interchange Ramp

Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH

(Not to Scale)
Constr.



STATION 18+50 TO STATION 20+81
Ramp G10



STATION 19+78.43 TO STATION 20+81
Ramp G10

TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT S'd.WP-2
- S'd.UD-4 Req'd., see plan sheets for detailed locations.
- S'd.UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
- When widening the existing pavement the bottom of the new BM-25.0A shall be placed even with the bottom of the existing base asphalt.
- The final surface course shall be placed in continuous operation across the full pavement width after all previous layers have been completed and shall include all areas where eradication of existing pavement markings have been performed for temporary tie-ins.
- When liquid asphalt is used as a curing material for the cement stabilized course, it shall be liquid asphalt CRS-1, CR-1h or CMS-2 applied at a rate of 0.2 gal/sy. Where necessary for maintenance of traffic, cover material consisting of No.10 Aggregate of Grading B Sand shall be applied at a rate of 10 lbs/sy. All costs for such curing and materials shall be included in the bid price for the cement stabilized layer.
- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
- The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.
- See Sheets 2B(2) and 2B(3) for inset details.

N.T.S.

VDOT PROJECT NO.
0495-029-419
SHEET NO.
2A
AREA 2

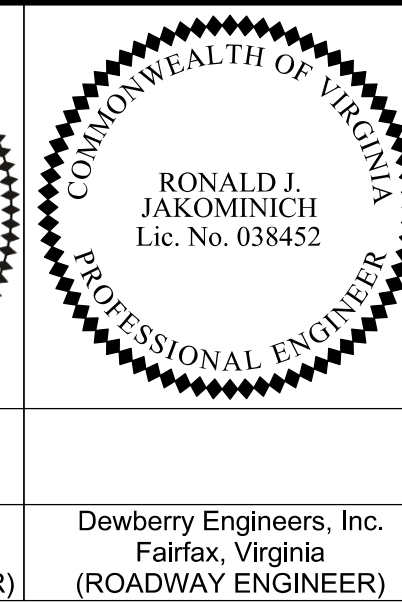
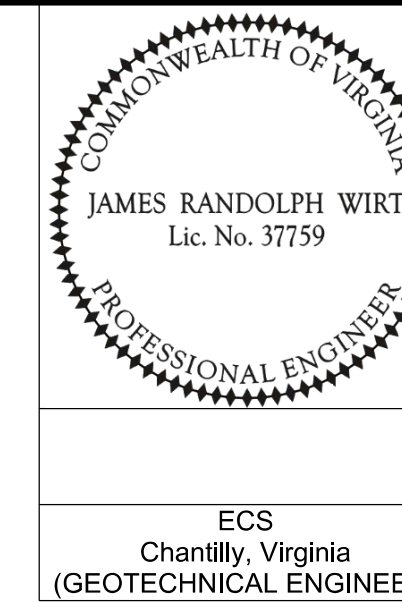
APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Typical Sections



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2A(1) AREA 2

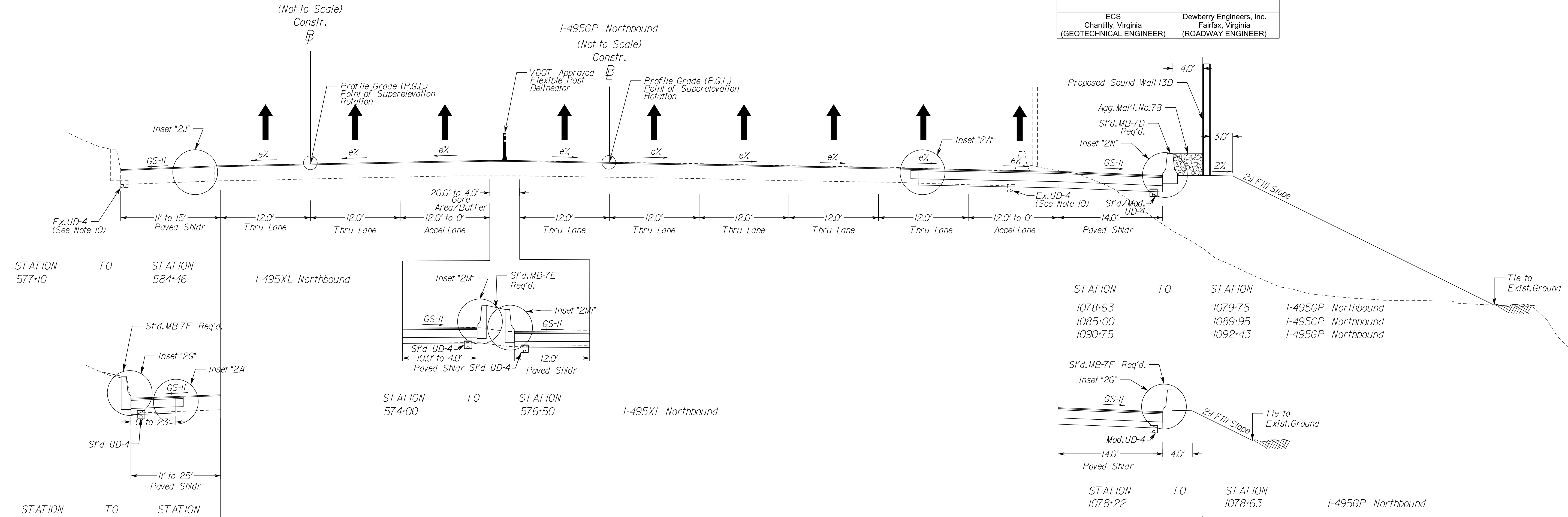
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

I-495XL Northbound Superelevated Section, 7 Lane Interstate

Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH
(Not to Scale)



STATION 577+10 TO STATION 584+46
I-495XL Northbound

STATION 574+59 TO STATION 584+46
I-495XL Northbound

STATION 574+00 TO STATION 574+59
I-495XL Northbound

STATION 574+00 TO STATION 576+50
I-495XL Northbound

STATION 1078+63 TO STATION 1079+75
I-495GP Northbound

STATION 1085+00 TO STATION 1089+95
I-495GP Northbound

STATION 1090+75 TO STATION 1092+43
I-495GP Northbound

STATION 1078+22 TO STATION 1078+63
I-495GP Northbound

STATION 1079+75 TO STATION 1085+00
I-495GP Northbound

STATION 1089+95 TO STATION 1090+75
I-495GP Northbound

TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT S't.d.WP-2
- S't.d.UD-4 Req'd., see plan sheets for detailed locations.
- S't.d.UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
- When widening the existing pavement the bottom of the new BM-25.0A shall be placed even with the bottom of the existing base asphalt.
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- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
- The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.
- See Sheets 2B(2) and 2B(3) for inset details.

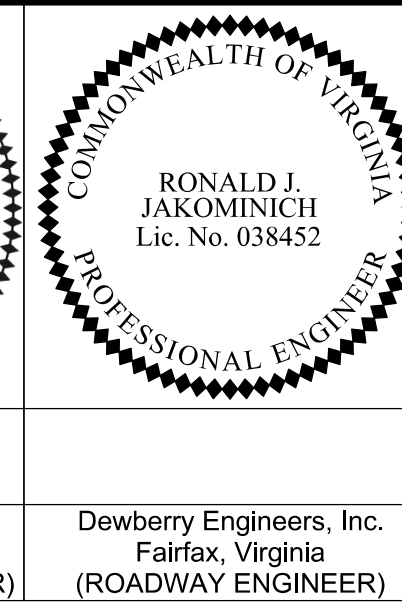
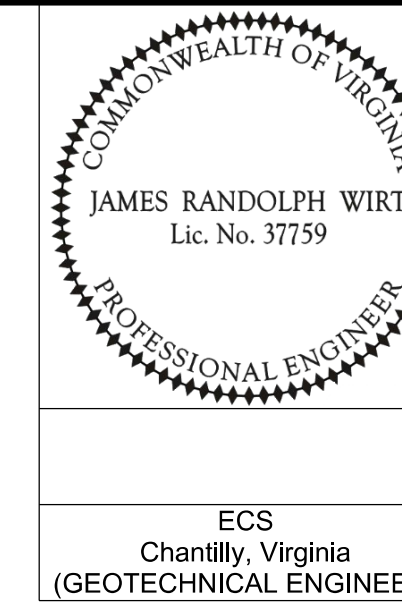
NOVA DISTRICT

12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2A(1) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2A(2) AREA 2

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

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

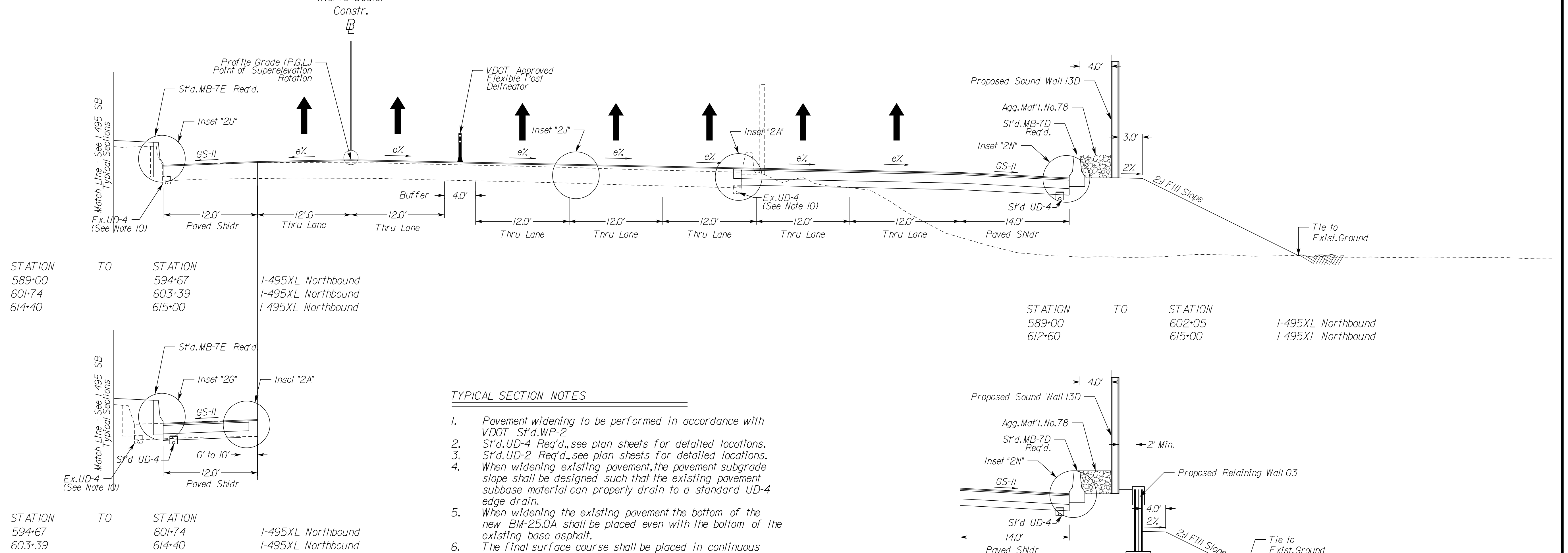
Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

Typical Sections

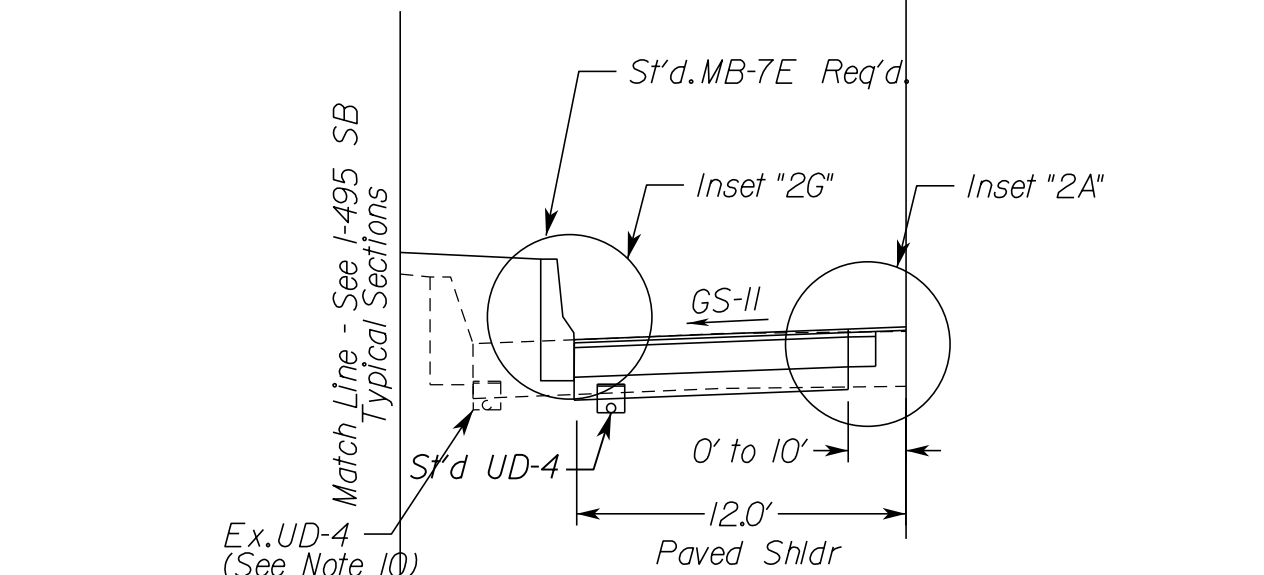
I-495XL Northbound Superelevated Section, 7 Lane Interstate

Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH

(Not to Scale)



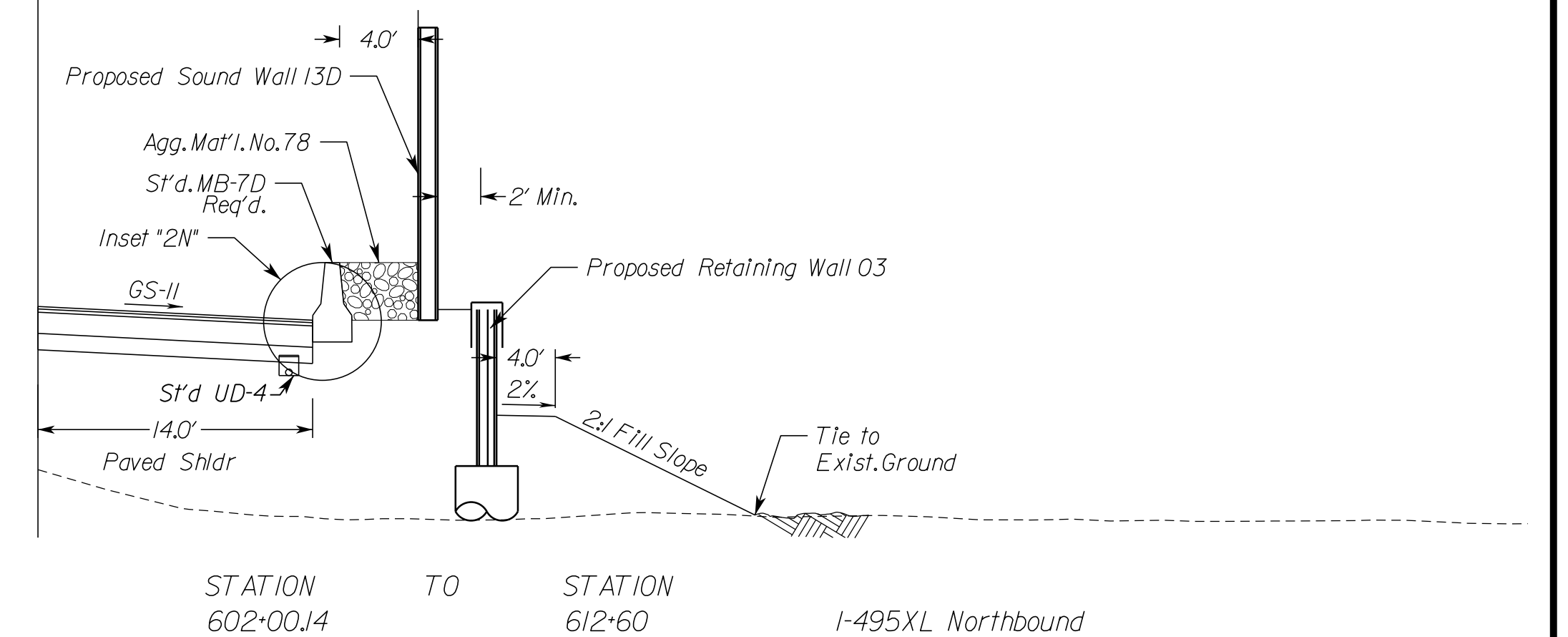
STATION TO STATION
589+00 TO 594+67 I-495XL Northbound
601+74 TO 603+39 I-495XL Northbound
614+40 TO 615+00 I-495XL Northbound



STATION TO STATION
594+67 TO 601+74 I-495XL Northbound
603+39 TO 614+40 I-495XL Northbound

TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT S'd.WP-2
- S'd.UD-4 Req'd., see plan sheets for detailed locations.
- S'd.UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
- When widening the existing pavement the bottom of the new BM-25.0A shall be placed even with the bottom of the existing base asphalt.
- The final surface course shall be placed in continuous operation across the full pavement width after all previous layers have been completed and shall include all areas where eradication of existing pavement markings have been performed for temporary tie-ins.
- When liquid asphalt is used as a curing material for the cement stabilized course, it shall be liquid asphalt CRS-1, CR-1h or CMS-2 applied at a rate of 0.2 gal/sy. Where necessary for maintenance of traffic, cover material consisting of No.10 Aggregate of Grading B Sand shall be applied at a rate of 10 lbs/sy. All costs for such curing and materials shall be included in the bid price for the cement stabilized layer.
- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
- The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.
- See Sheets 2B(2) and 2B(3) for Inset details.



STATION TO STATION
602+00.14 TO 612+60 I-495XL Northbound

NOVA DISTRICT

12/16/2022

N.T.S.

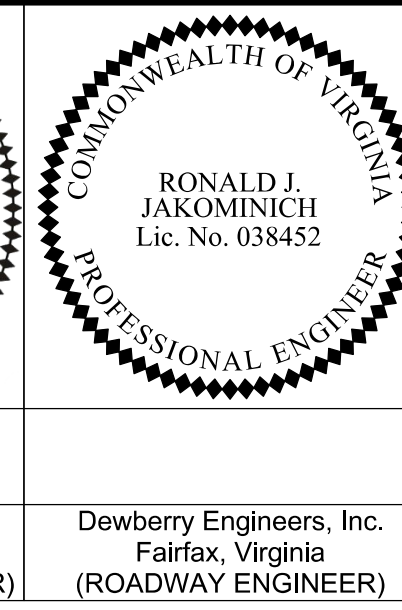
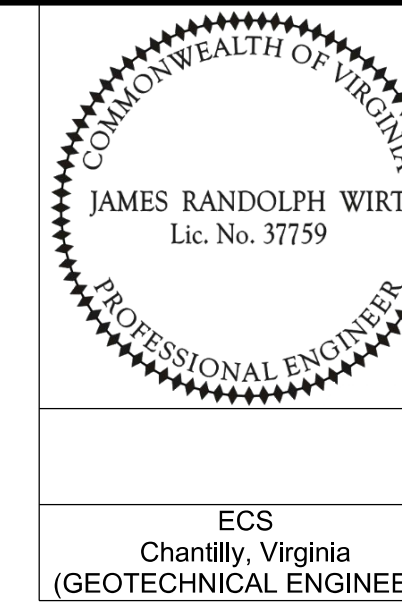
VDOT PROJECT NO.
0495-029-419

SHEET NO.
2A(2)
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rita Pal...
 SURVEYED BY, DATE RDA - Nicholas...
 DESIGN BY RDA - Darrell Fischer...
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor...

Typical Sections



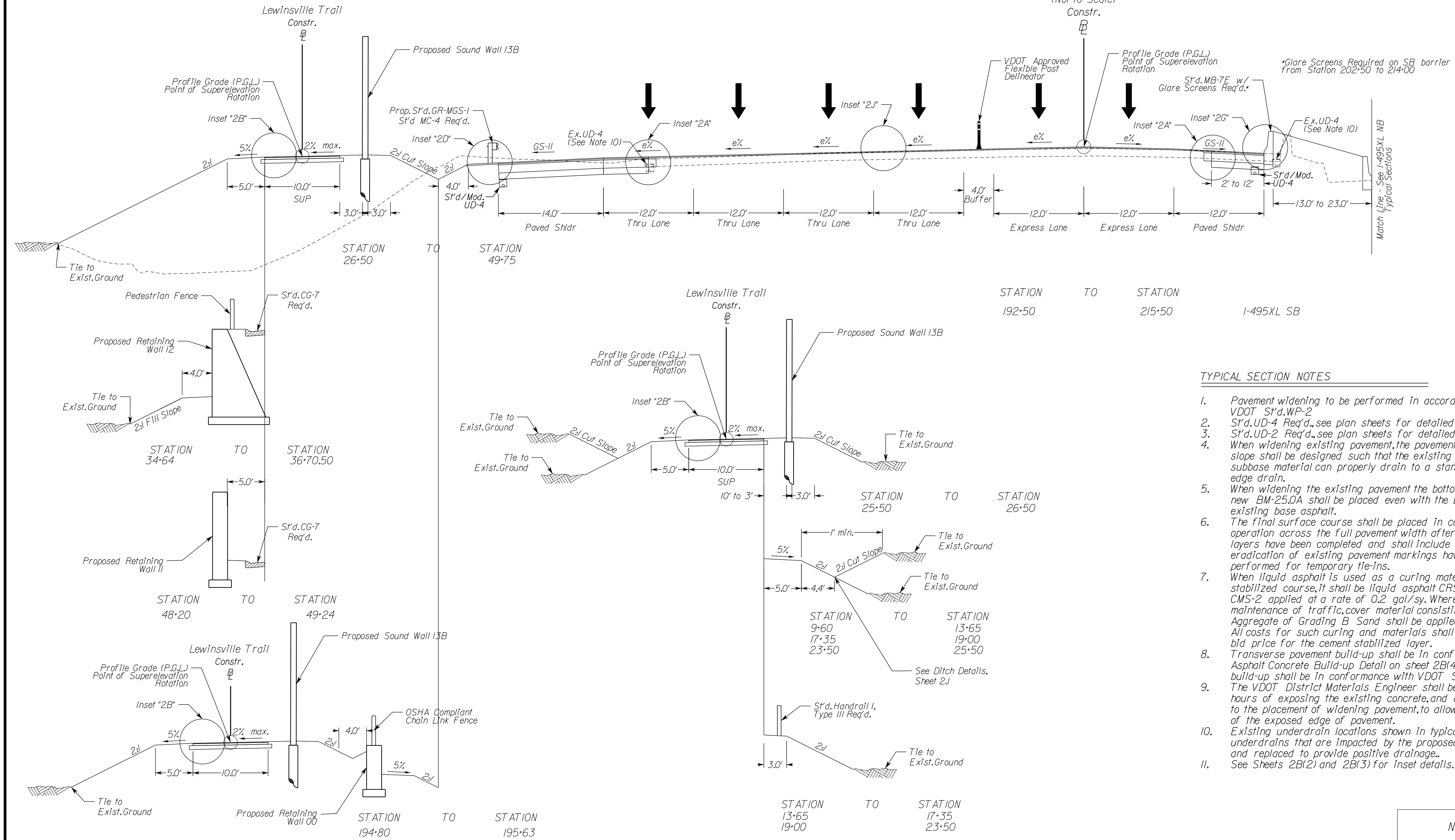
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2A(3) AREA 2

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

ECS Chantilly, Virginia (GEOTECHNICAL ENGINEER)
 Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

I-495XL Southbound Superelevated Section, 6 Lane Interstate

Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH
 (Not to Scale)



TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT S't.d.WP-2
- S't.d.UD-4 Req'd., see plan sheets for detailed locations.
- S't.d.UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
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- When liquid asphalt is used as a curing material for the cement stabilized course, it shall be liquid asphalt CRS-1, CR-1h or CMS-2 applied at a rate of 0.2 gal/sy. Where necessary for maintenance of traffic, cover material consisting of No.10 Aggregate of Grading B Sand shall be applied at a rate of 10 lbs/sy. All costs for such curing and materials shall be included in the bid price for the cement stabilized layer.
- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1. The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.
- See Sheets 2B(2) and 2B(3) for inset details.

NOVA DISTRICT

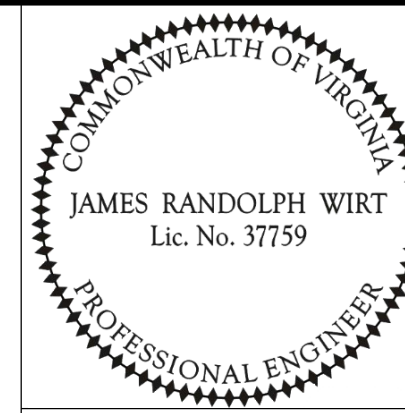
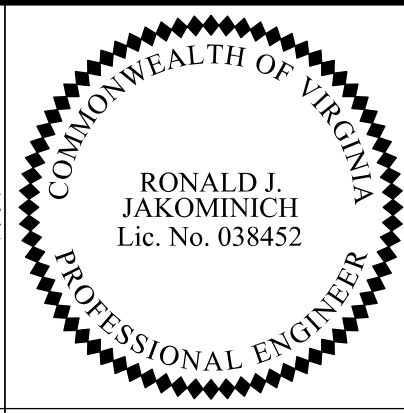
12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2A(3) AREA 2
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APPROVED FOR CONSTRUCTION

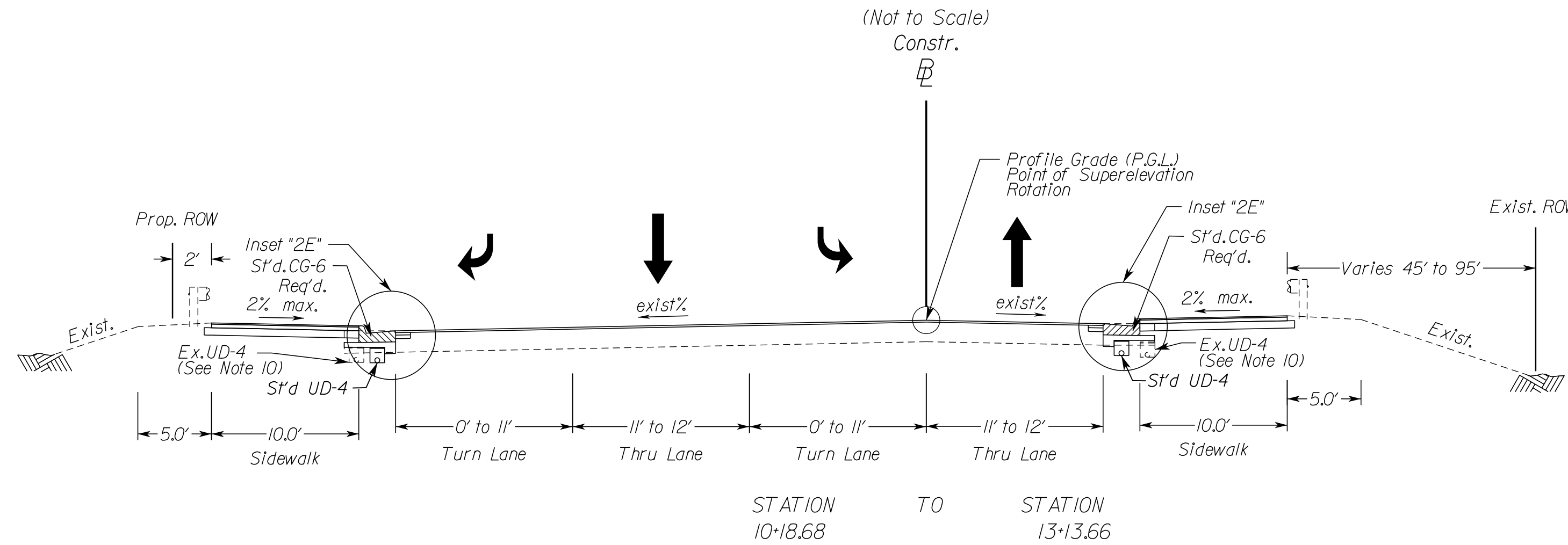
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, L.S. (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Typical Sections

 COMMONWEALTH OF VIRGINIA JAMES RANDOLPH WIRT Lic. No. 37759 PROFESSIONAL ENGINEER	 COMMONWEALTH OF VIRGINIA RONALD J. JAKOMINICH Lic. No. 038452 PROFESSIONAL ENGINEER	REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
		VA.	495		0495-029-419	C501	RW201
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT							AREA 2
ECS Chantilly, Virginia (GEOTECHNICAL ENGINEER)		Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)					

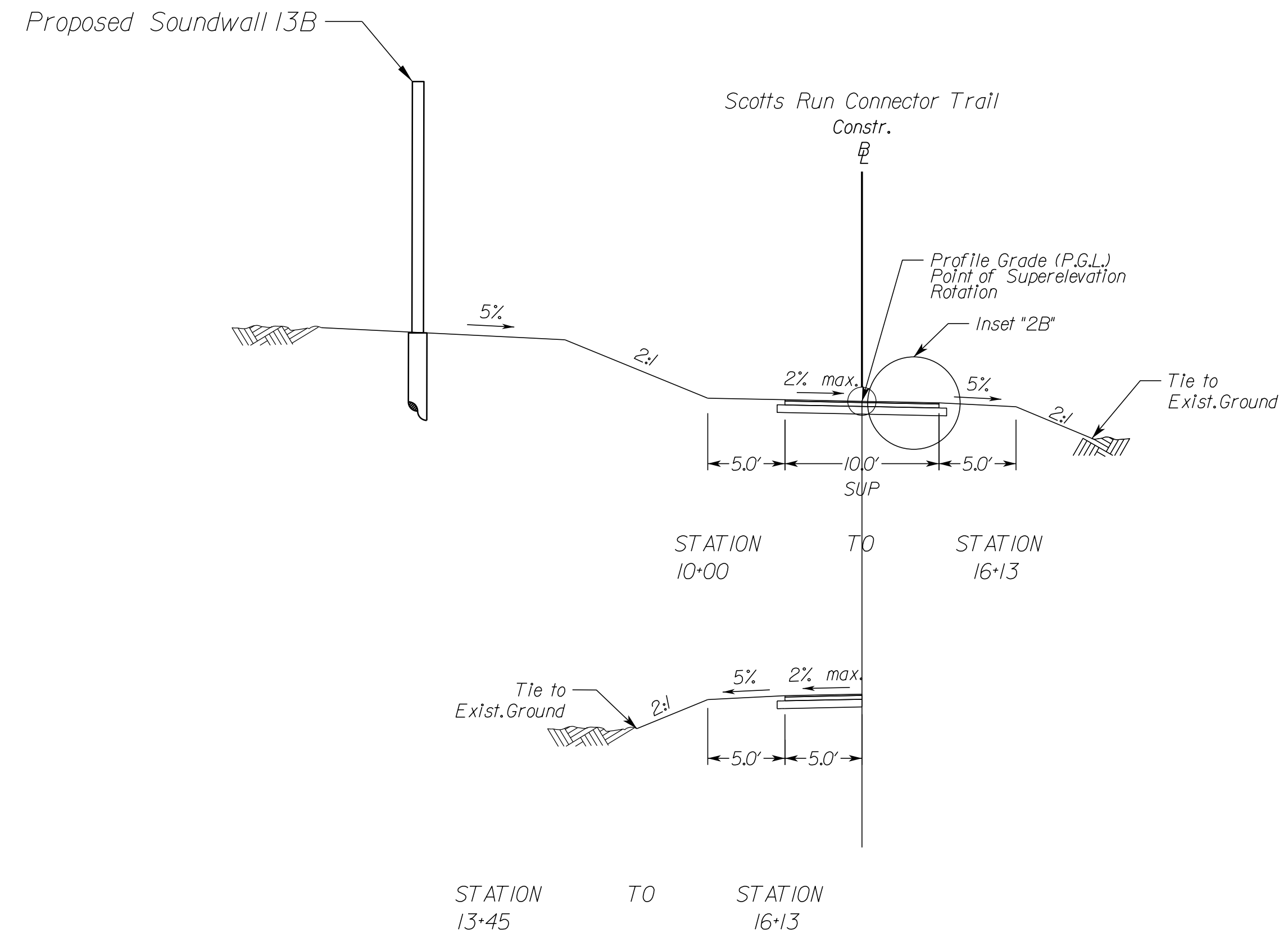
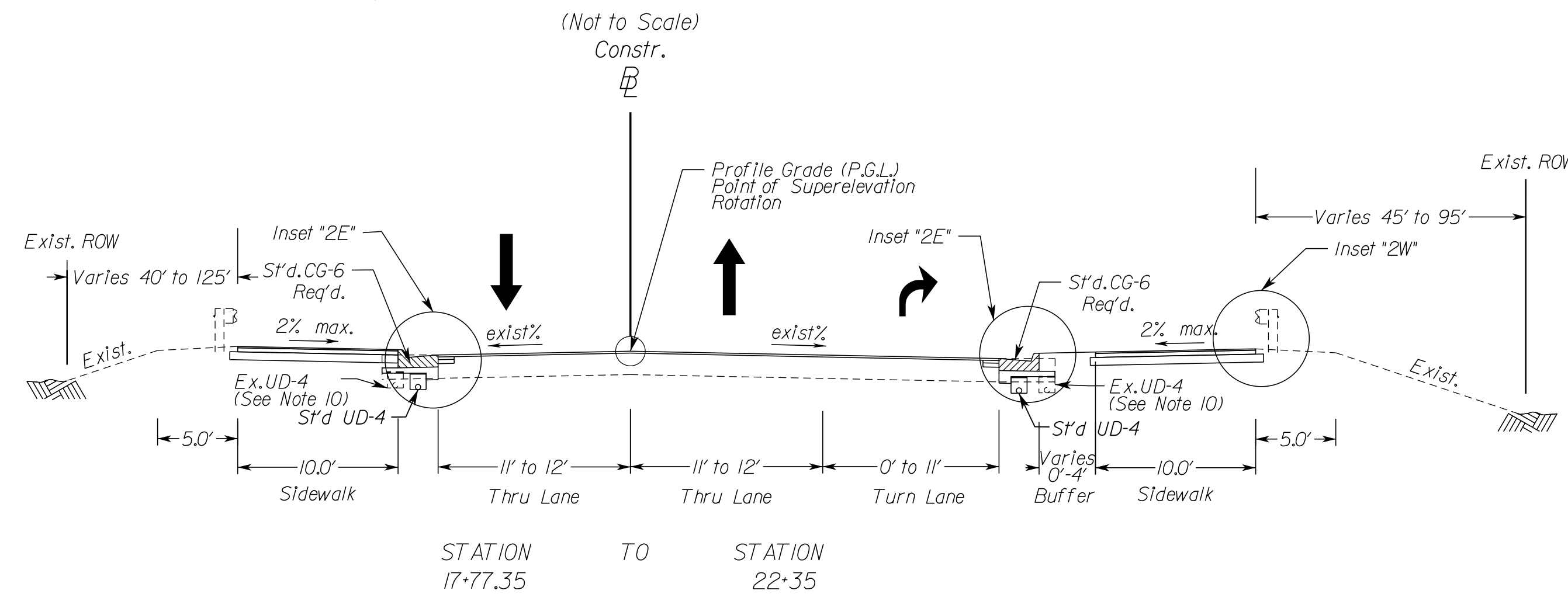
Lewinsville Road Superelevated Section, 2 Lane Street with Curb and Gutter

Geometric Design Standard for Urban Minor Arterial Street (GS-6): V=35 MPH



Lewinsville Road Superelevated Section, 2 Lane Street with Curb and Gutter

Geometric Design Standard for Urban Minor Arterial Street (GS-6): V=35 MPH



TYPICAL SECTION NOTES

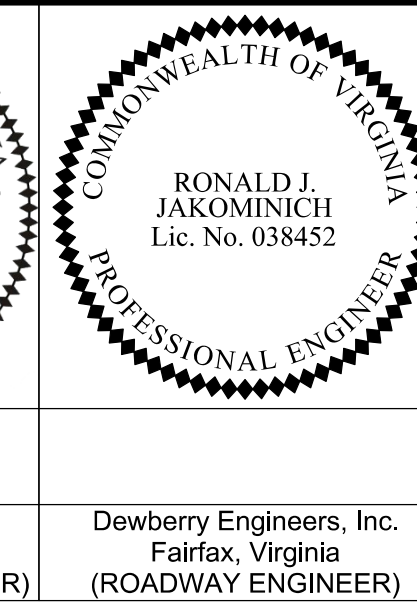
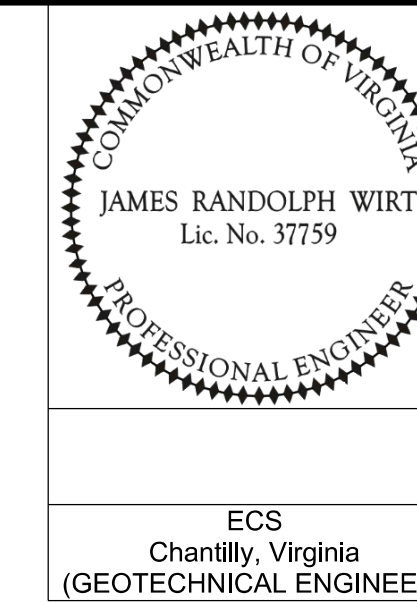
- Pavement widening to be performed in accordance with VDOT S'd.WP-2
- S'd.UD-4 Req'd., see plan sheets for detailed locations.
- S'd.UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
- When widening the existing pavement the bottom of the new BM-25.0A shall be placed even with the bottom of the existing base asphalt.
- The final surface course shall be placed in continuous operation across the full pavement width after all previous layers have been completed and shall include all areas where eradication of existing pavement markings have been performed for temporary tie-ins.
- When liquid asphalt is used as a curing material for the cement stabilized course, it shall be liquid asphalt CRS-1, CR-1h or CMS-2 applied at a rate of 0.2 gal/sy. Where necessary for maintenance of traffic, cover material consisting of No. 10 Aggregate of Grading B Sand shall be applied at a rate of 10 lbs/sy. All costs for such curing and materials shall be included in the bid price for the cement stabilized layer.
- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
- The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.
- See Sheets 2B(2) and 2B(3) for Inset details.

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B AREA 2
--------	----------------------------------	---------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS (703) 635-3060, 12/2021



ECS
 Chantilly, Virginia
 (GEOTECHNICAL ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2B(1) AREA 2

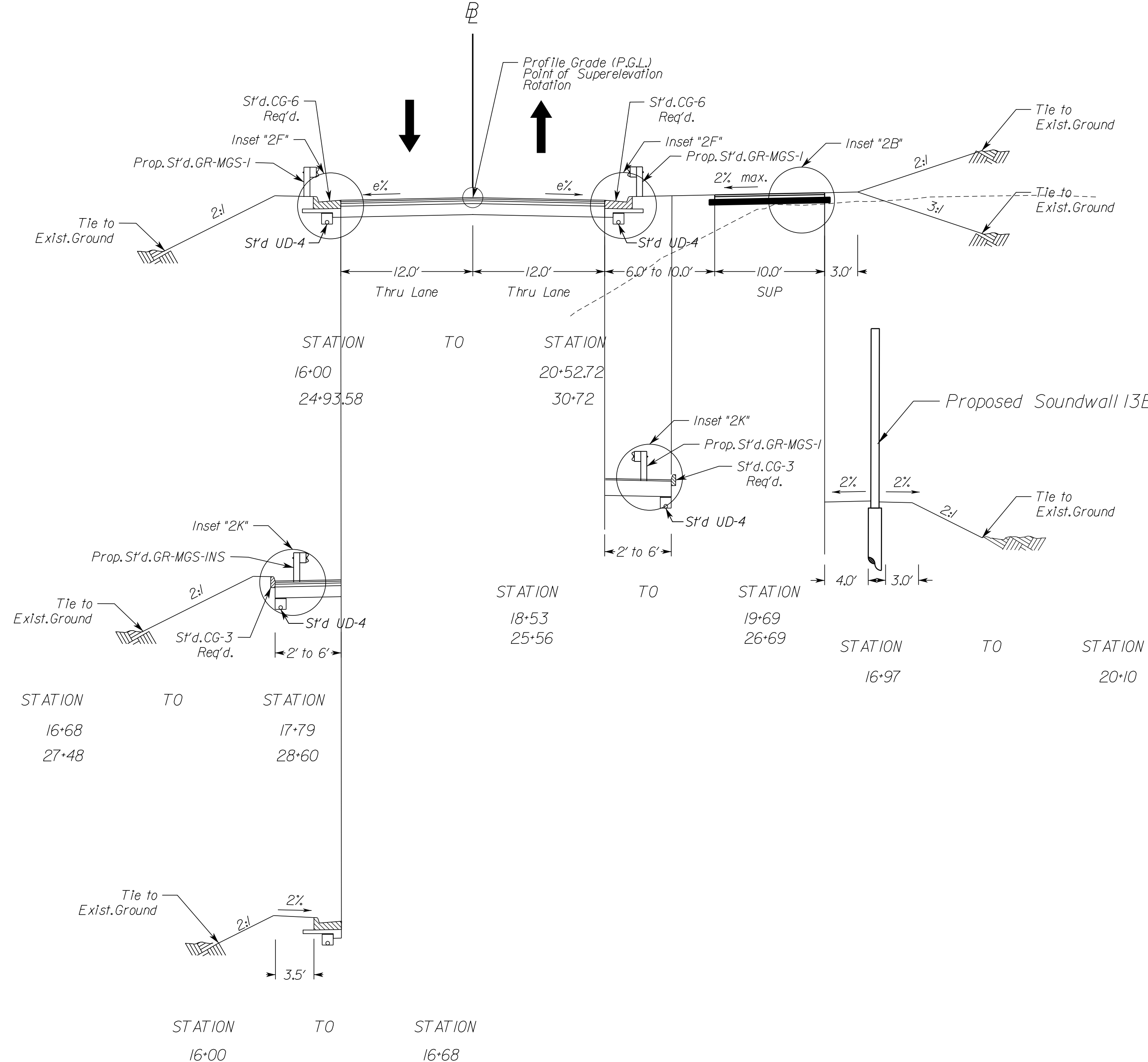
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Typical Sections

Old Dominion Drive Superelevated Section, 2 Lane Street with Curb and Gutter

Geometric Design Standard for Urban Minor Arterial (GS-6): V=45 MPH

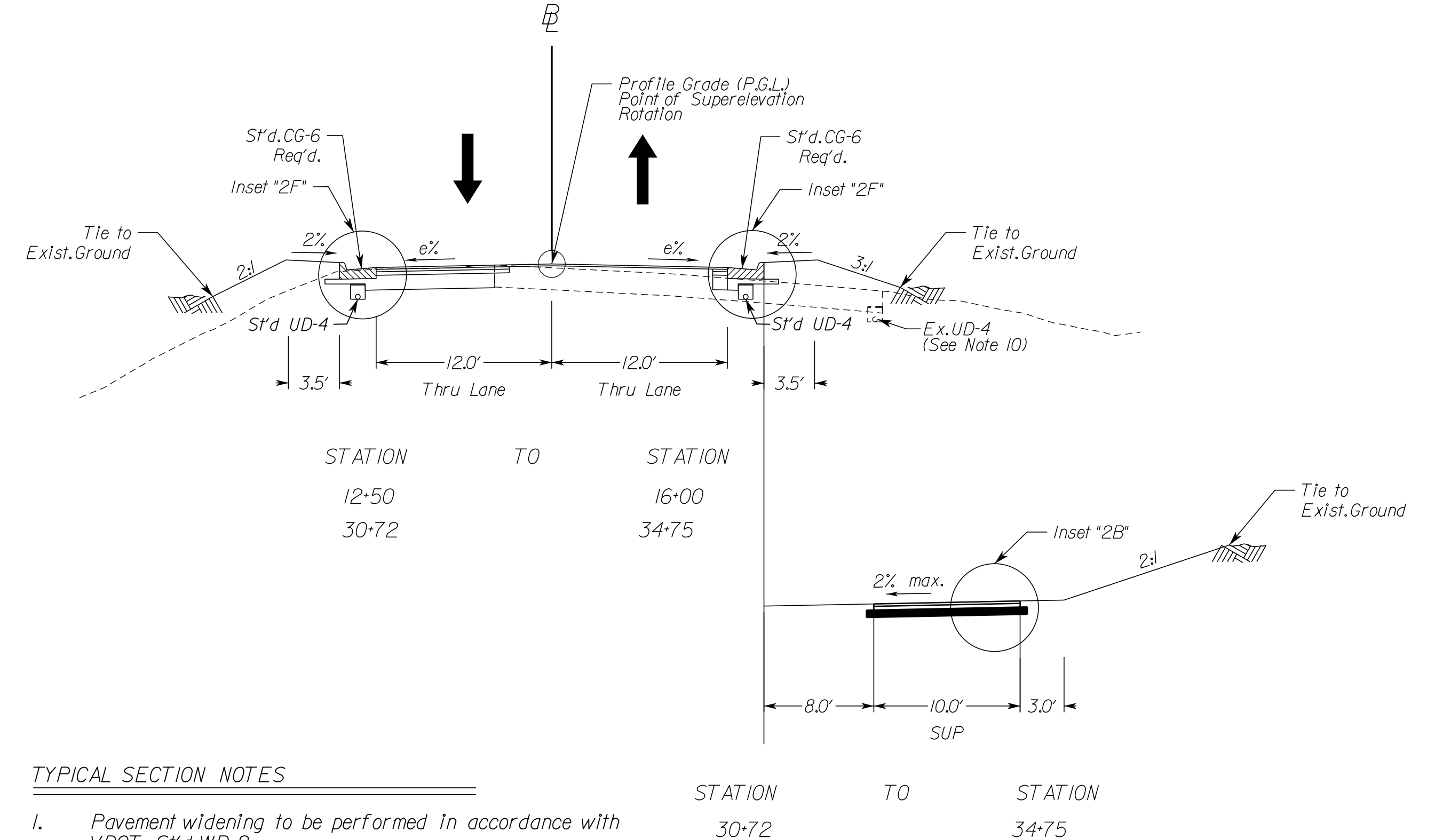
(Not to Scale)
 Constr.



Old Dominion Drive Superelevated Section, 2 Lane Street with Curb and Gutter

Geometric Design Standard for Urban Minor Arterial (GS-6): V=45 MPH

(Not to Scale)
 Constr.



TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT Std. WP-2
- Std. UD-4 Req'd., see plan sheets for detailed locations.
- Std. UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
- When widening the existing pavement the bottom of the new BM-250A shall be placed even with the bottom of the existing base asphalt.
- The final surface course shall be placed in continuous operation across the full pavement width after all previous layers have been completed and shall include all areas where eradication of existing pavement markings have been performed for temporary tie-ins.
- When liquid asphalt is used as a curing material for the cement stabilized course, it shall be liquid asphalt CRS-1, CR-1h or CMS-2 applied at a rate of 0.2 gal/sy. Where necessary for maintenance of traffic, cover material consisting of No. 10 Aggregate of Grading B Sand shall be applied at a rate of 10 lbs/sy. All costs for such curing and materials shall be included in the bid price for the cement stabilized layer.
- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
- The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.
- See Sheets 2B(2) and 2B(3) for Inset details.

STATION	TO	STATION
12:50	TO	16:00
30:72	TO	34:75

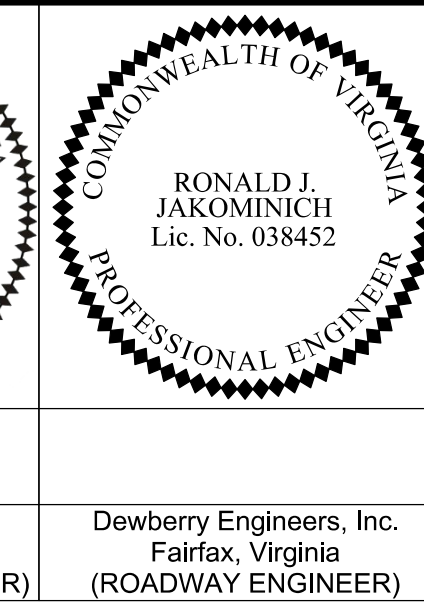
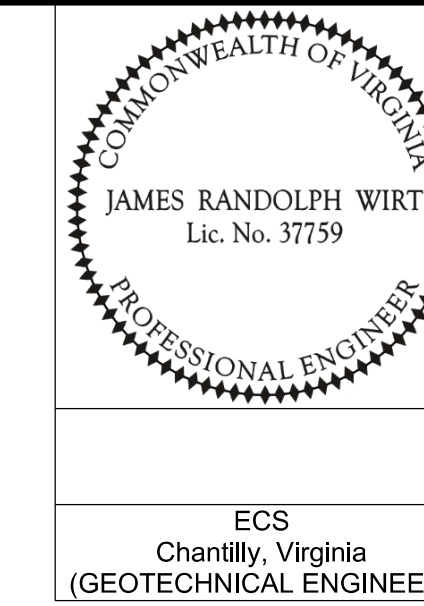
N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(1) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rita Pal-Straub, P.E. (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

Typical Section Details

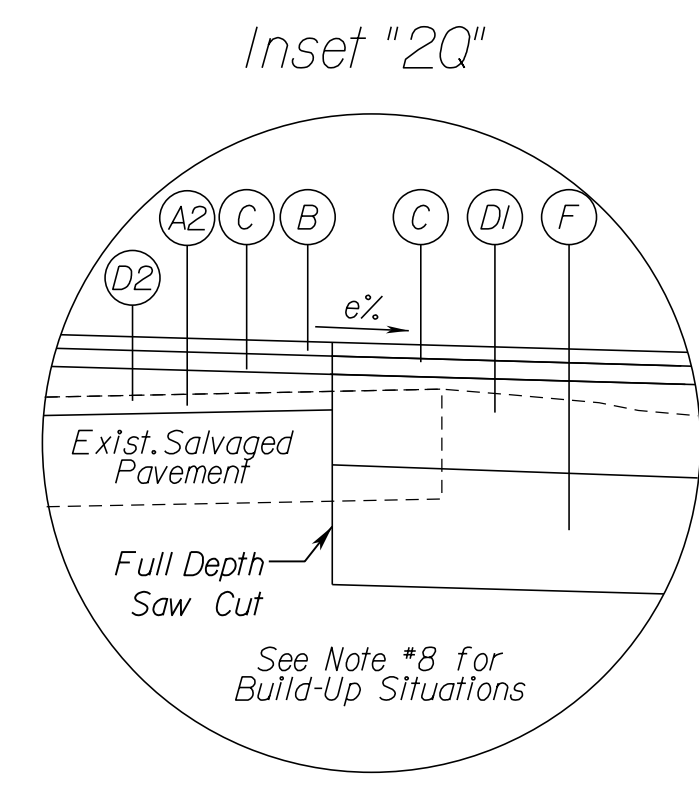
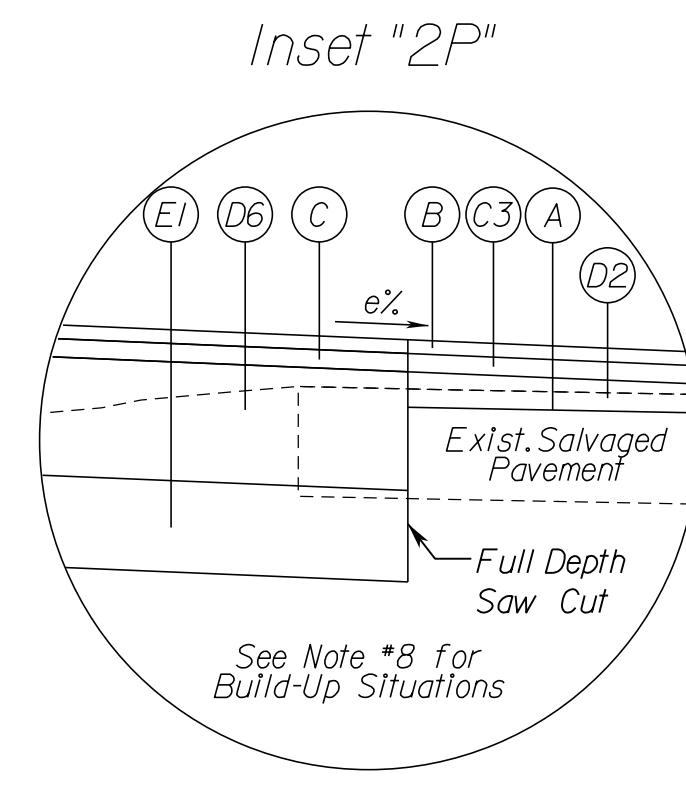
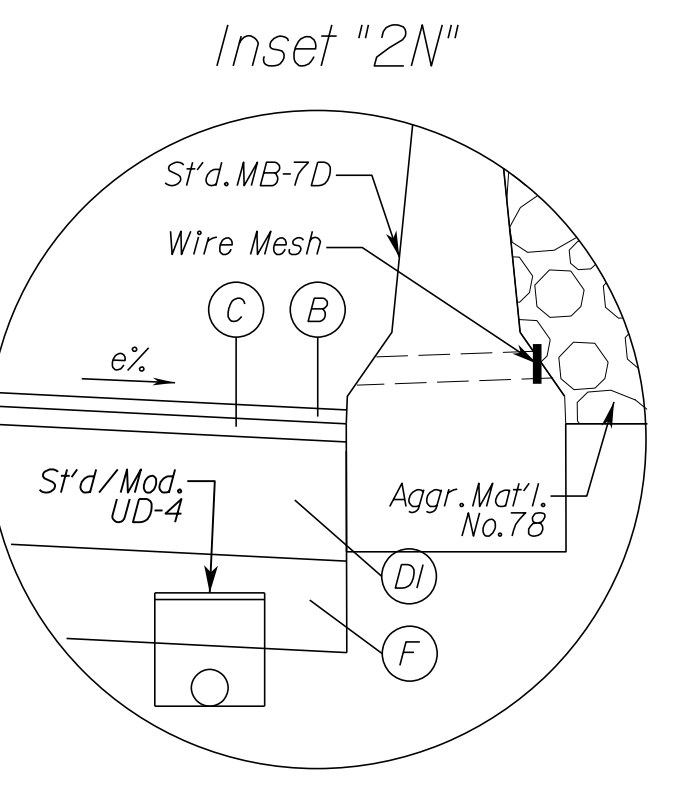
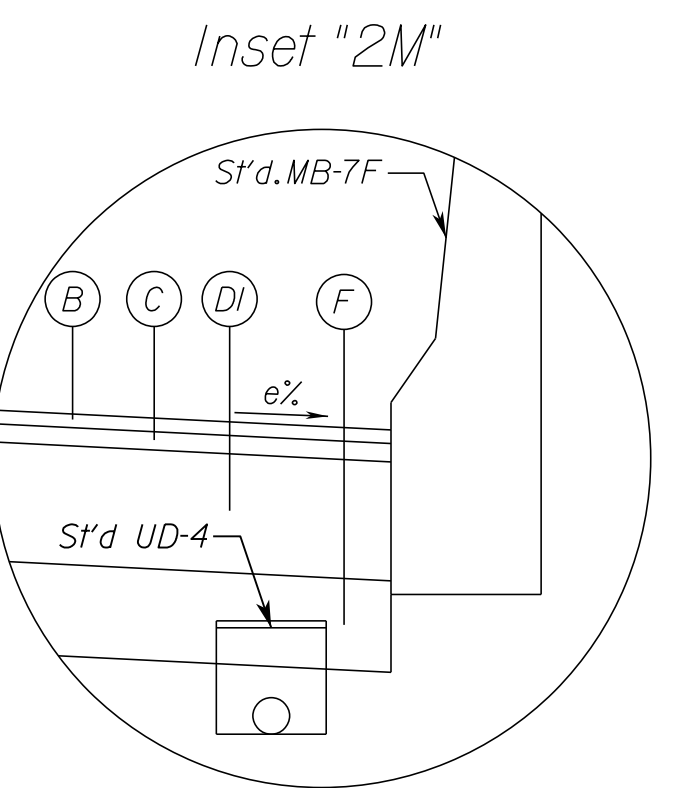
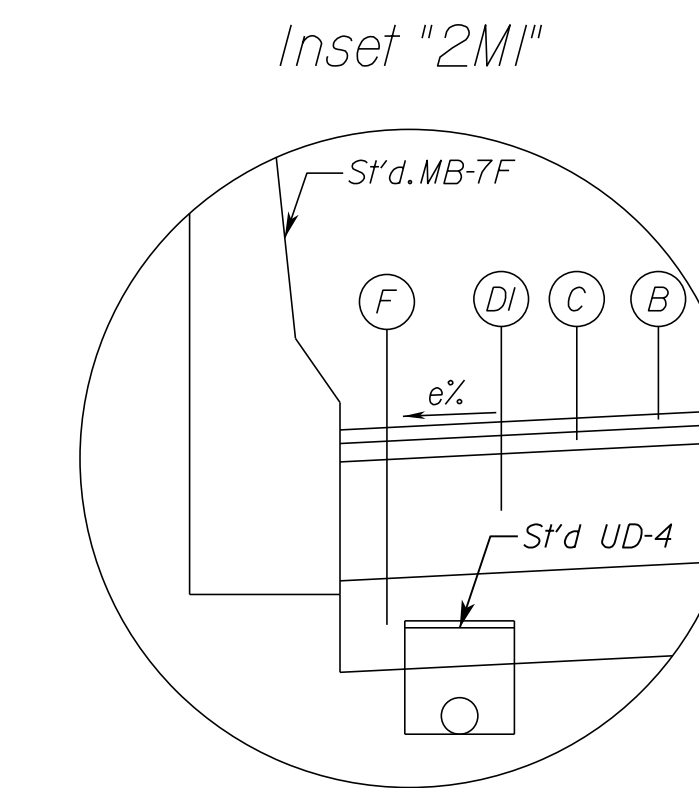
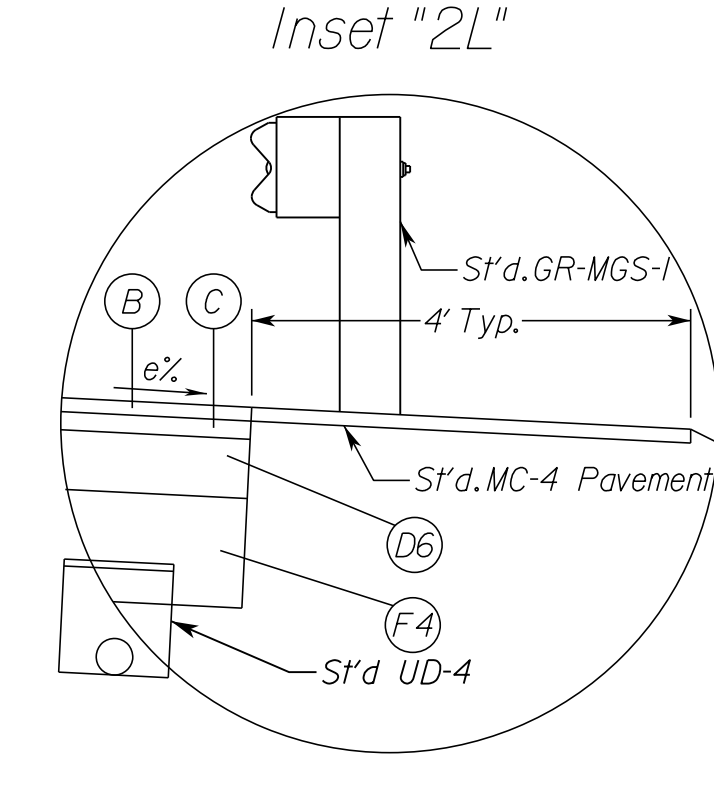
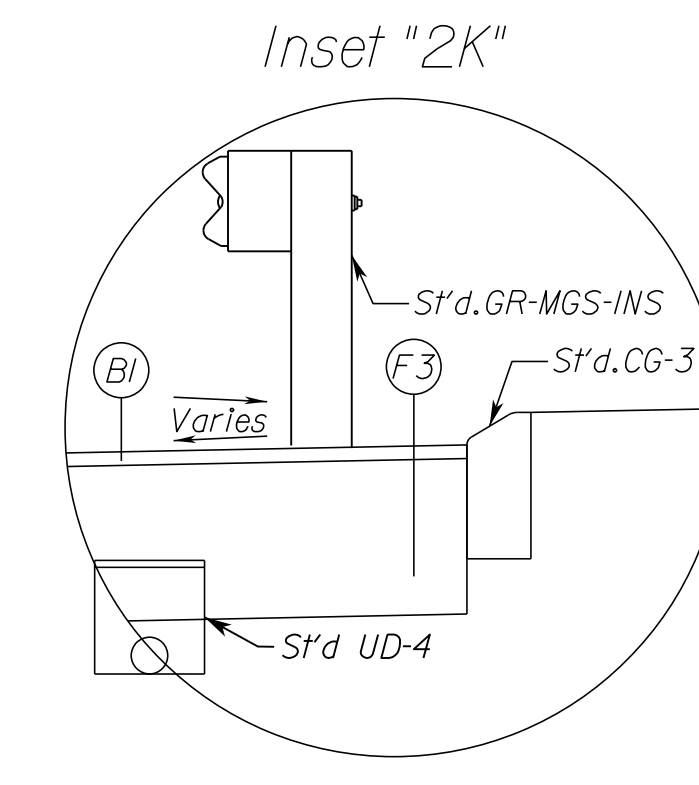
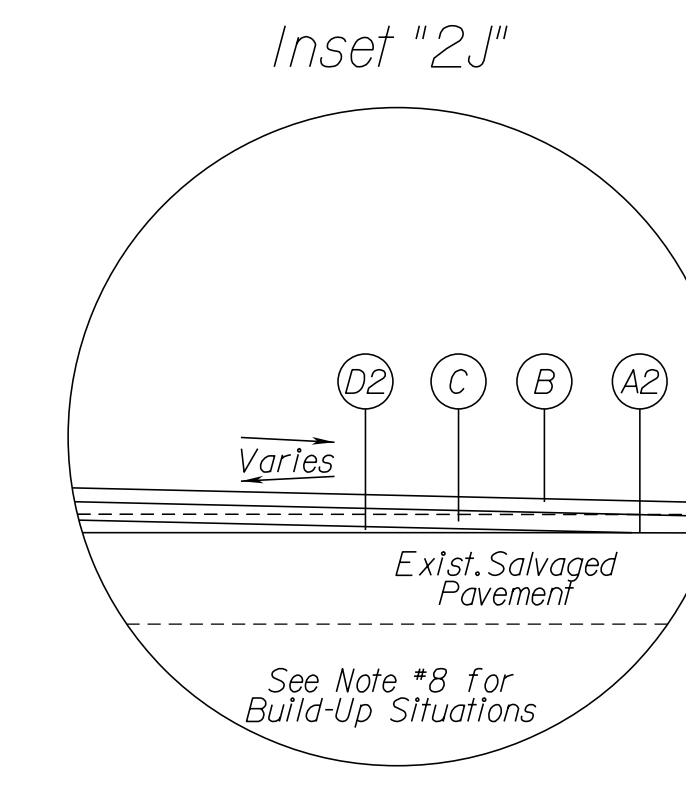
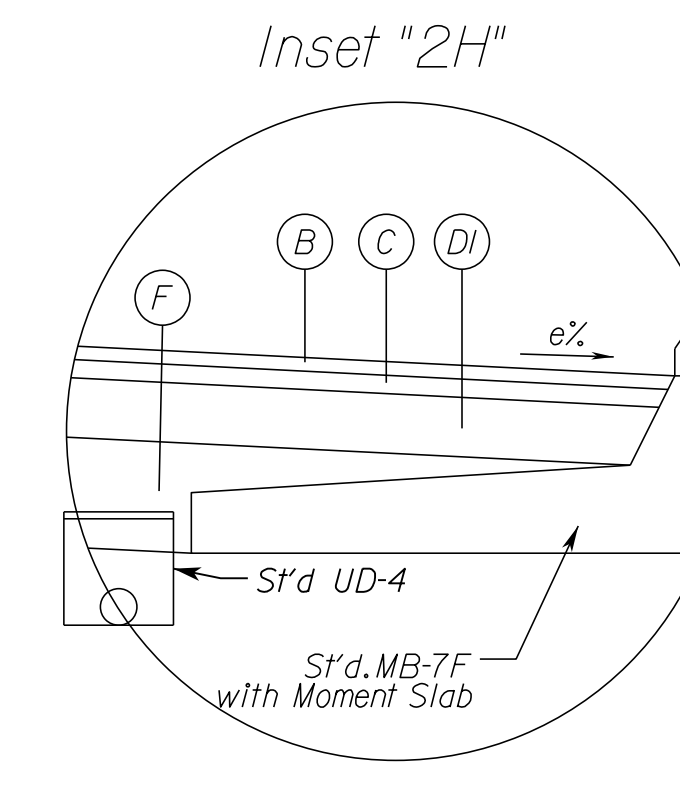
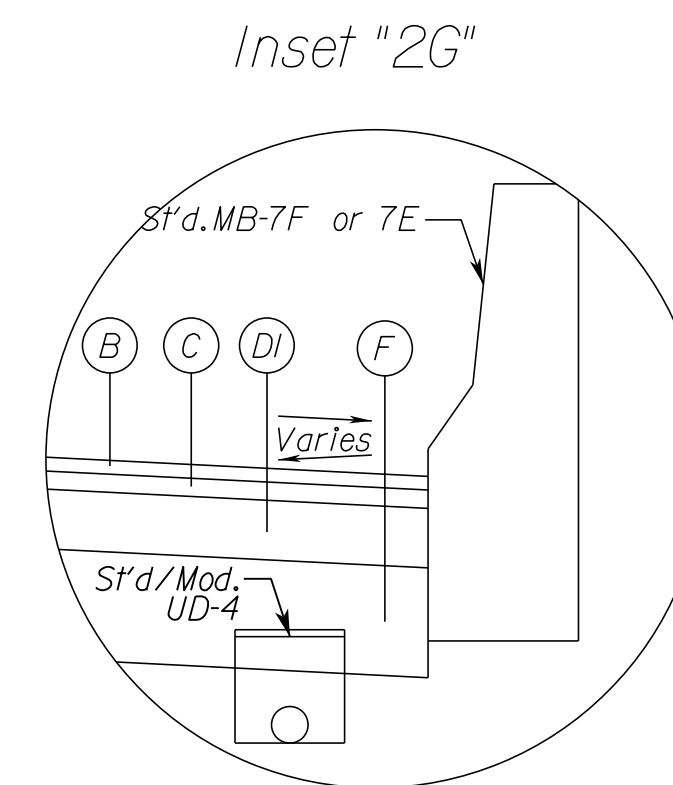
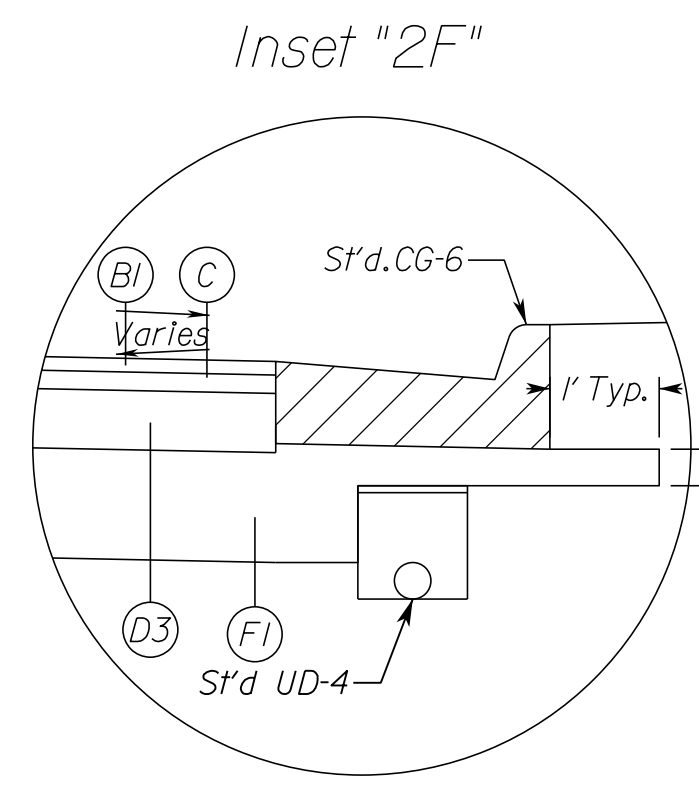
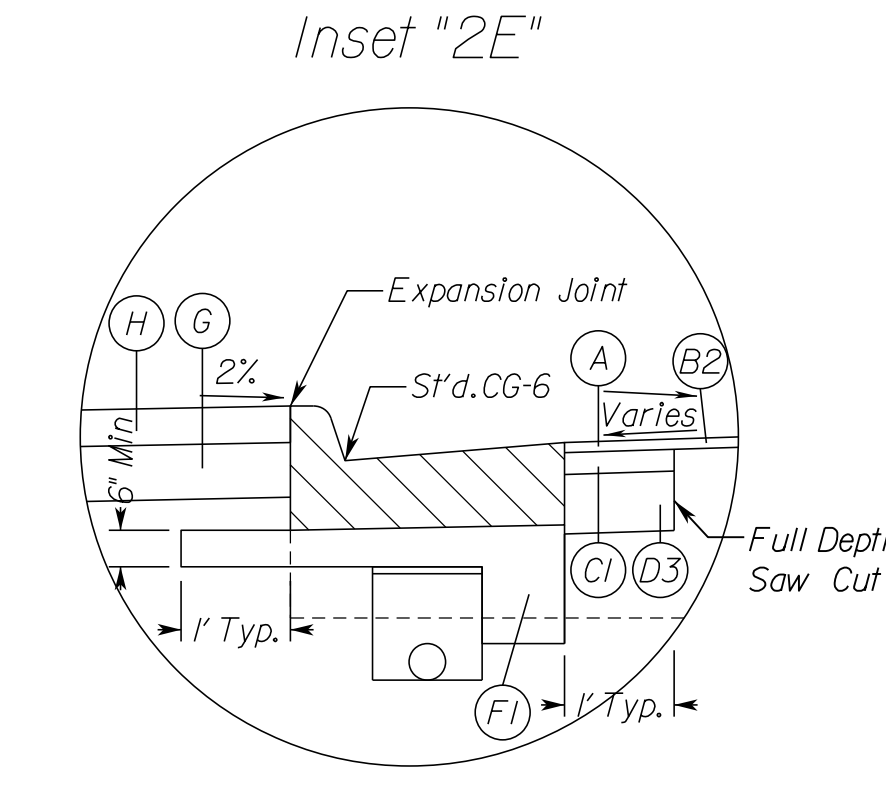
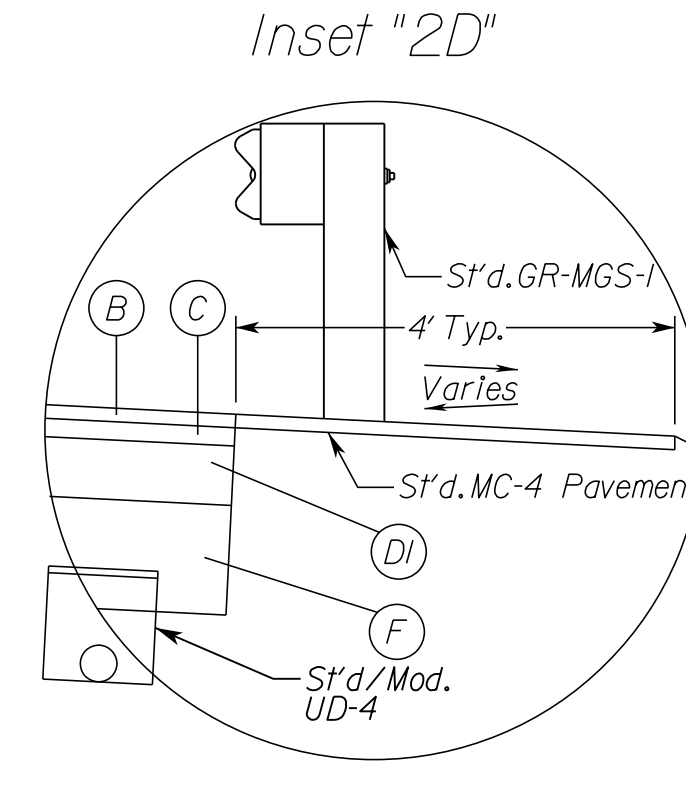
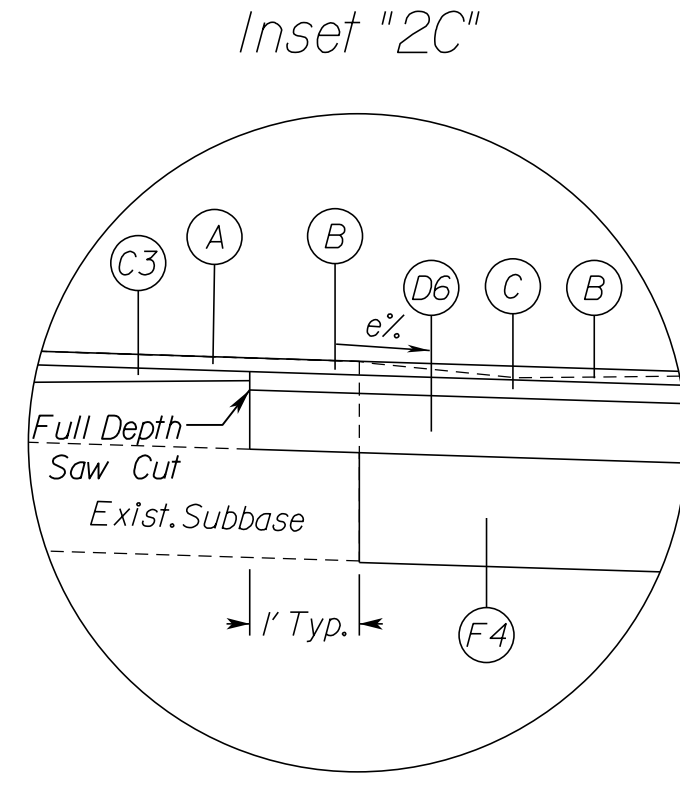
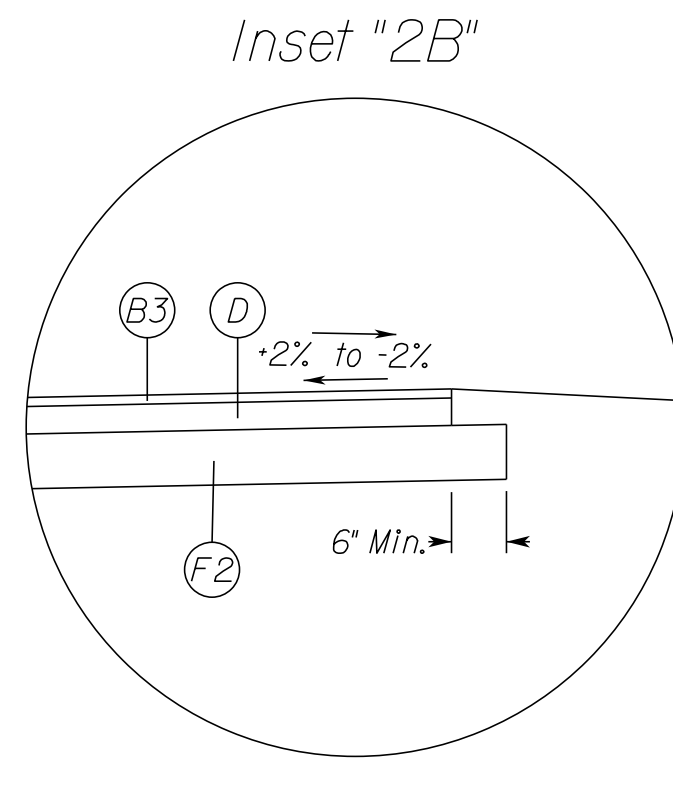
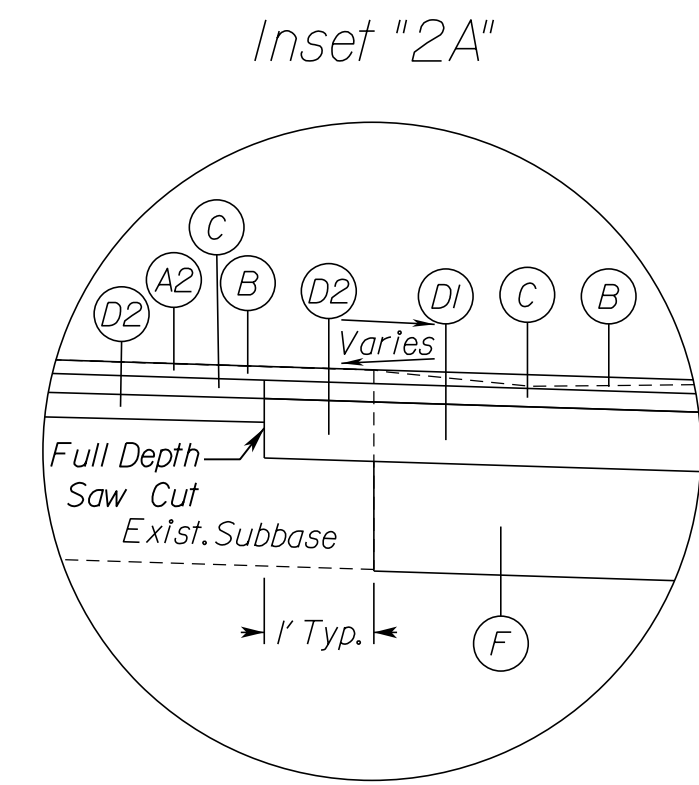


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2B(2) AREA 2

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

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)



TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT Std. WP-2
- Std. UD-4 Req'd., see plan sheets for detailed locations.
- Std. UD-2 Req'd., see plan sheets for detailed locations.
- When widening existing pavement, the pavement subgrade slope shall be designed such that the existing pavement subbase material can properly drain to a standard UD-4 edge drain.
- When widening the existing pavement the bottom of the new BM-25.0A shall be placed even with the bottom of the existing base asphalt.
- The final surface course shall be placed in continuous operation across the full pavement width after all previous layers have been completed and shall include all areas where eradication of existing pavement markings have been performed for temporary tie-ins.
- When liquid asphalt is used as a curing material for the cement stabilized course, it shall be liquid asphalt CRS-1, CR-1h or CMS-2 applied at a rate of 0.2 gal/sy. Where necessary for maintenance of traffic, cover material consisting of No. 10 Aggregate of Grading B Sand shall be applied at a rate of 10 lbs/sy. All costs for such curing and materials shall be included in the bid price for the cement stabilized layer.
- Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(4). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1. The VDOT District Materials Engineer shall be notified within 24 hours of exposing the existing concrete, and at least 48 hours prior to the placement of widening pavement, to allow for verification of the exposed edge of pavement.
- Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction shall be removed and replaced to provide positive drainage.

- (A) Mill Existing Asphalt Surface - 1.5 Inch Depth
- (A2) Mill Existing Asphalt Surface - 4 Inch Depth
- (B) Asphalt Concrete Surface Course, Type SMA-9.5 (64E-22) - 1.5 Inch Depth
- (B1) Asphalt Concrete Surface Course, Type SM-9.5A - 1.5 Inch Depth
- (B2) Asphalt Concrete Surface Course, Type SM-9.5D - 1.5 Inch Depth
- (B3) Asphalt Concrete Surface Course, Type SM-9.0A - 1.0 Inch Depth
- (C) Asphalt Concrete Intermediate Course, Type SMA-12.5 (64E-22) - 2 Inch Depth
- (C1) Asphalt Concrete Intermediate Course, Type IM-19.0A - 3 Inch Depth
- (C3) Asphalt Concrete Intermediate Course, Type IM-19.0A - Variable Depth for Build-Up Situations
- (D) Asphalt Concrete Base Course, Type IM-19.0A - 3 Inch Depth
- (D1) Asphalt Concrete Base Course, Type BM-25.0D/0.4 High Modulus, High Binder (PG64H-22) - 13 Inch Depth

- (D2) Asphalt Concrete Base Course, Type BM-25.0D/0.4 High Modulus, High Binder (PG64H-22) - Min. 2.5 Inch Depth
- (D3) Asphalt Concrete Base Course, Type BM-25.0A - 6.5 Inch Depth
- (D6) Asphalt Concrete Base Course, Type BM-25.0D/0.4 High Modulus, High Binder (PG64H-22) - 12 Inch Depth
- (E) Cement Treated Aggr. Base Mat'l., Type 1 - 10 Inch Depth
- (E1) Cement Treated Aggr. Base Mat'l., Type 1 - 6 Inch Depth
- (F) Aggr. Base Mat'l., Type 1, Size No. 21B - 10 Inch Depth
- (F1) Aggr. Base Mat'l., Type 1, Size No. 21B - 12 Inch Depth
- (F2) Aggr. Base Mat'l., Type 1, Size No. 21B - 6 Inch Depth
- (F3) Aggr. Base Mat'l., Type 1, Size No. 21B - 20.5 Inch Depth
- (F4) Aggr. Base Mat'l., Type 1, Size No. 21B - 14 Inch Depth
- (G) Aggr. Base Mat'l., Type 1, Size No. 21A or 21B - 4 Inch Depth
- (H) Hydraulic Cement Concrete - 4 Inch Depth

NOVA DISTRICT

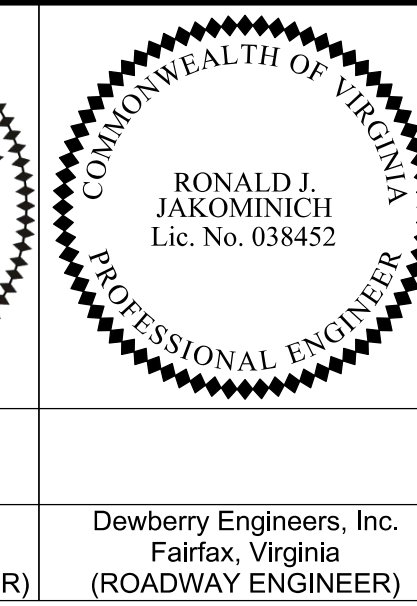
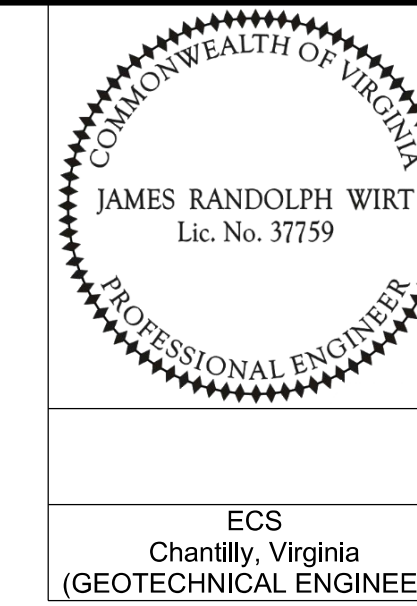
12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(2) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

Typical Section Details

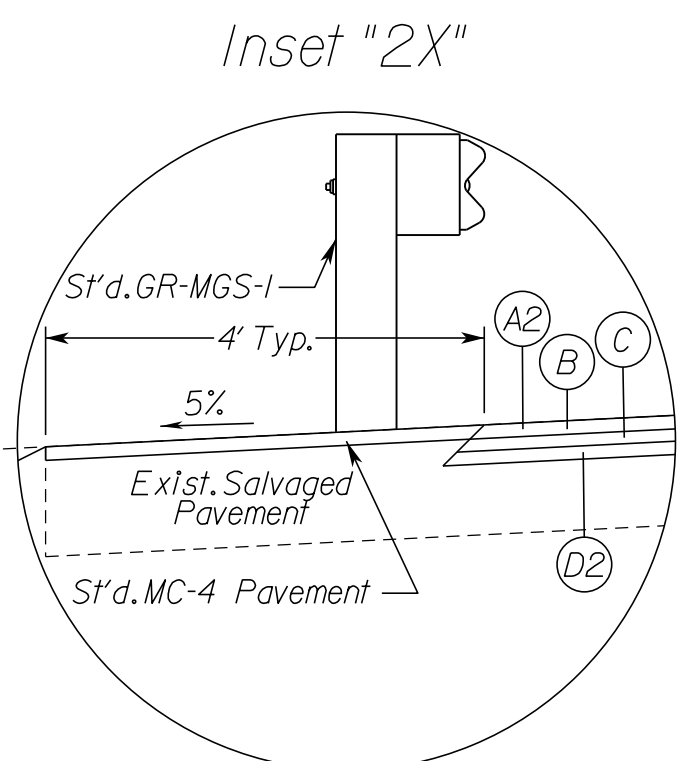
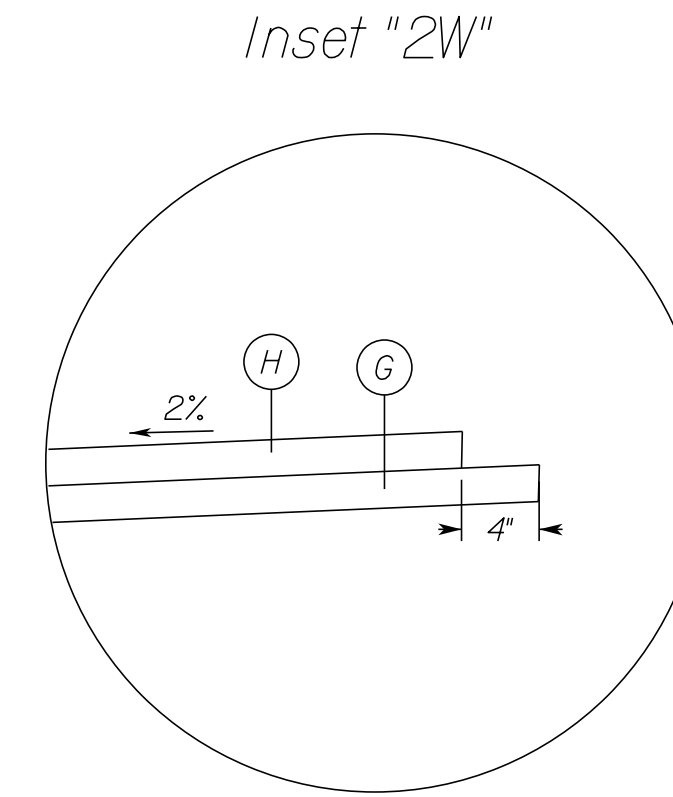
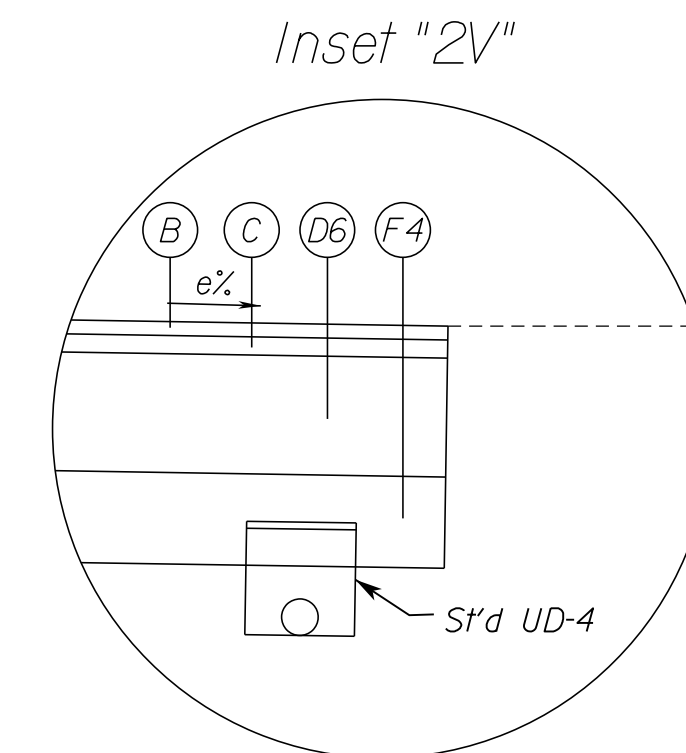
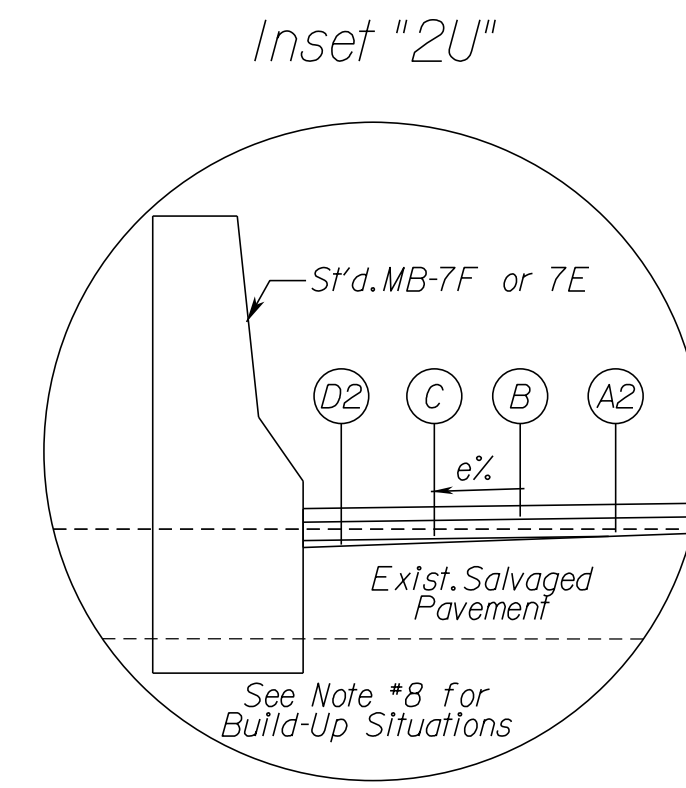
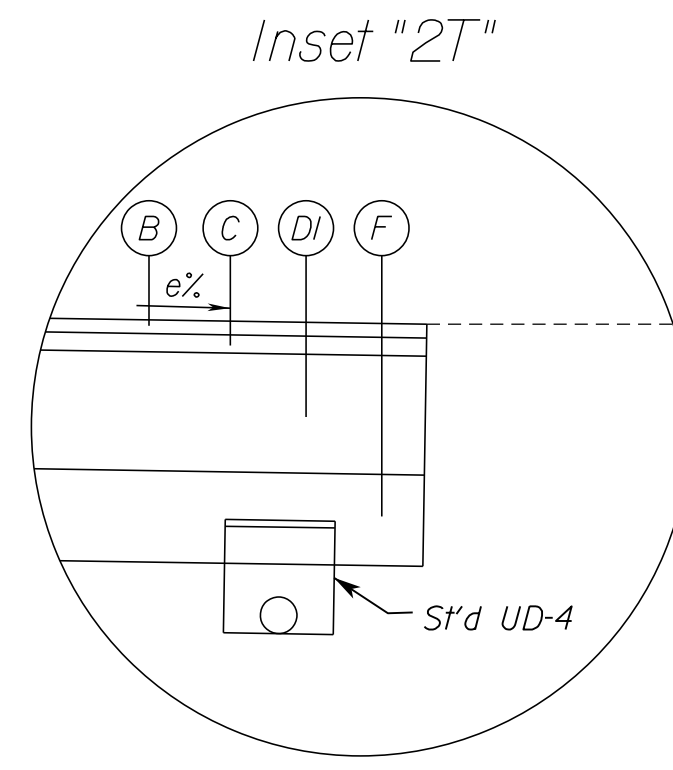
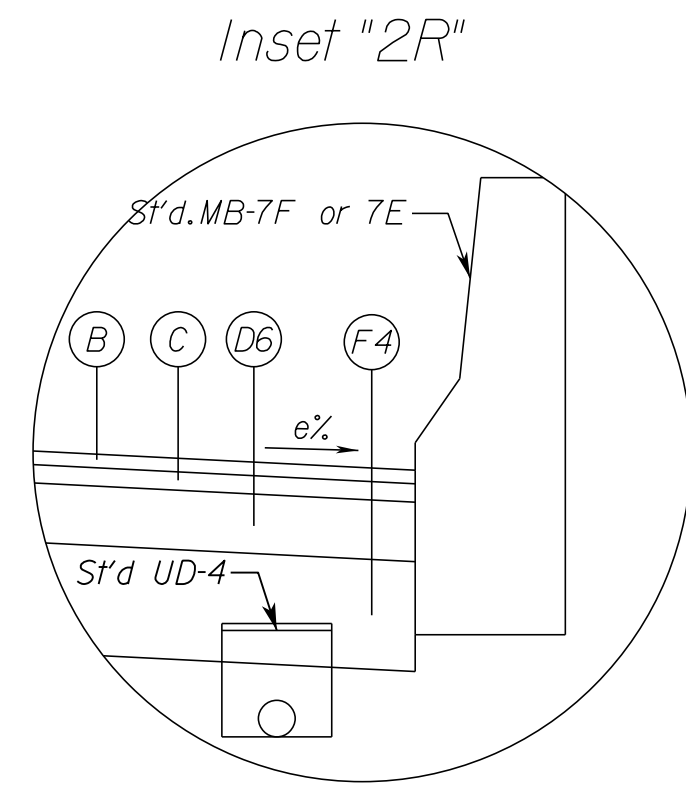


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2B(3) AREA 2

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

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)



TYPICAL SECTION NOTES

- Pavement widening to be performed in accordance with VDOT St'd.WP-2
- St'd.UD-4 Req'd., see plan sheets for detailed locations.
- St'd.UD-2 Req'd., see plan sheets for detailed locations.
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- (A) Mill Existing Asphalt Surface - 1.5 Inch Depth
- (A2) Mill Existing Asphalt Surface - 4 Inch Depth
- (B) Asphalt Concrete Surface Course, Type SMA-9.5 (64E-22) - 1.5 Inch Depth
- (B1) Asphalt Concrete Surface Course, Type SM-9.5A - 1.5 Inch Depth
- (B2) Asphalt Concrete Surface Course, Type SM-9.5D - 1.5 Inch Depth
- (B3) Asphalt Concrete Surface Course, Type SM-9.0A - 1.0 Inch Depth
- (C) Asphalt Concrete Intermediate Course, Type SMA-12.5 (64E-22) - 2 Inch Depth
- (C1) Asphalt Concrete Intermediate Course, Type IM-19.0A - 3 Inch Depth
- (C3) Asphalt Concrete Intermediate Course, Type IM-19.0A - Variable Depth For Build-Up Situations
- (D) Asphalt Concrete Base Course, Type IM-19.0A - 3 Inch Depth
- (D1) Asphalt Concrete Base Course, Type BM-25.0D-0.4 High Modulus, High Binder (PG64H-22) - 13 Inch Depth
- (D2) Asphalt Concrete Base Course, Type BM-25.0D-0.4 High Modulus, High Binder (PG64H-22) - Min. 2.5 Inch Depth
- (D3) Asphalt Concrete Base Course, Type BM-25.0A - 6.5 Inch Depth
- (D6) Asphalt Concrete Base Course, Type BM-25.0D-0.4 High Modulus, High Binder (PG64H-22) - 12 Inch Depth
- (E) Cement Treated Aggr. Base Mat'l., Type 1 - 10 Inch Depth
- (E1) Cement Treated Aggr. Base Mat'l., Type 1 - 6 Inch Depth
- (F) Aggr. Base Mat'l., Type 1, Size No. 21B - 10 Inch Depth
- (F1) Aggr. Base Mat'l., Type 1, Size No. 21B - 12 Inch Depth
- (F2) Aggr. Base Mat'l., Type 1, Size No. 21B - 6 Inch Depth
- (F3) Aggr. Base Mat'l., Type 1, Size No. 21B - 20.5 Inch Depth
- (F4) Aggr. Base Mat'l., Type 1, Size No. 21B - 14 Inch Depth
- (G) Aggr. Base Mat'l., Type 1, Size No. 21A or 21B - 4 Inch Depth
- (H) Hydraulic Cement Concrete - 4 Inch Depth

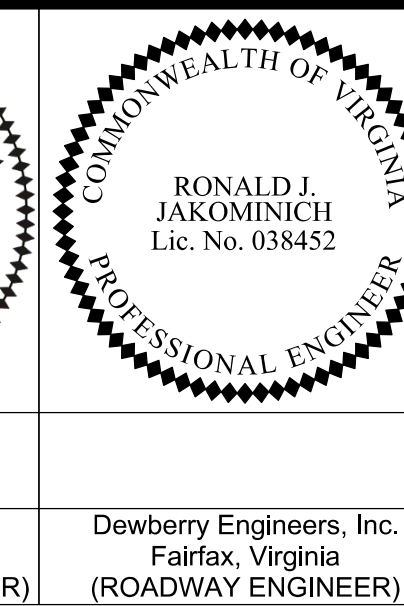
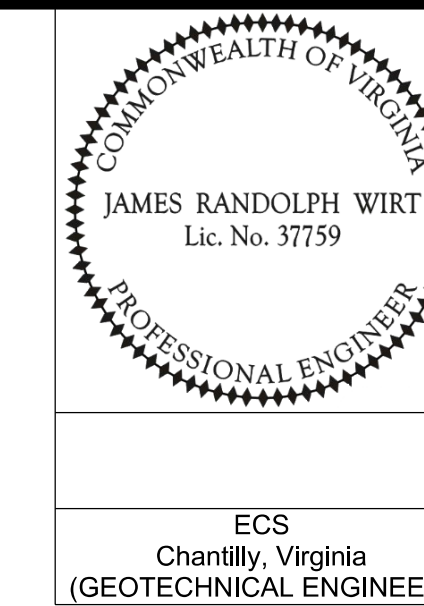
N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(3) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - *Ritpal Shah, P.E. (703) 259-2362*
 SURVEYED BY, DATE RDA - *Nicholas Kaugaulis, LS (703) 334-0837, 12/2021*
 DESIGN BY RDA - *Darrell Fischer, P.E. (703) 334-0823*
Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - *Michael Taylor, LS (703) 635-3060, 12/2021*

Typical Section Details



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2B(4) AREA 2

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

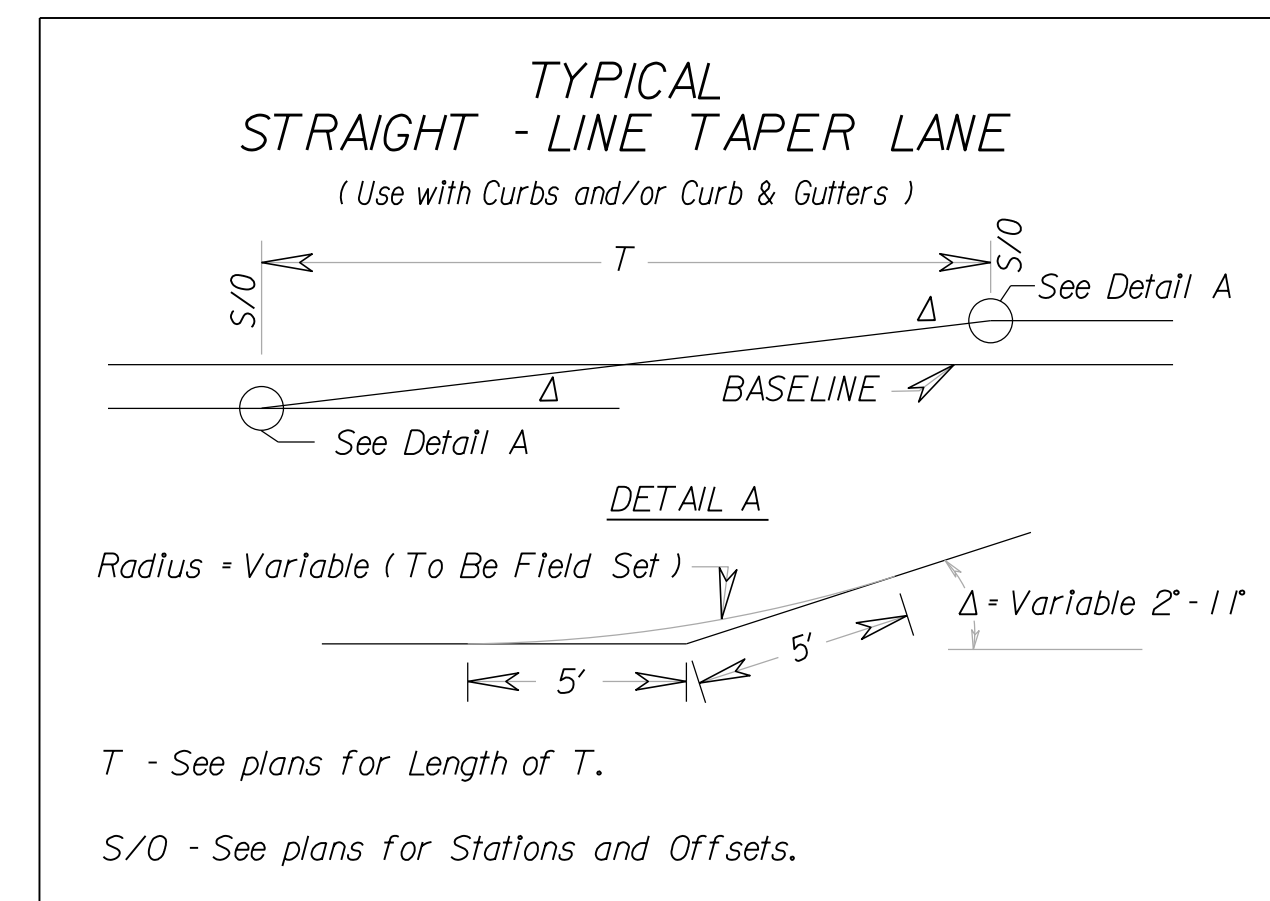
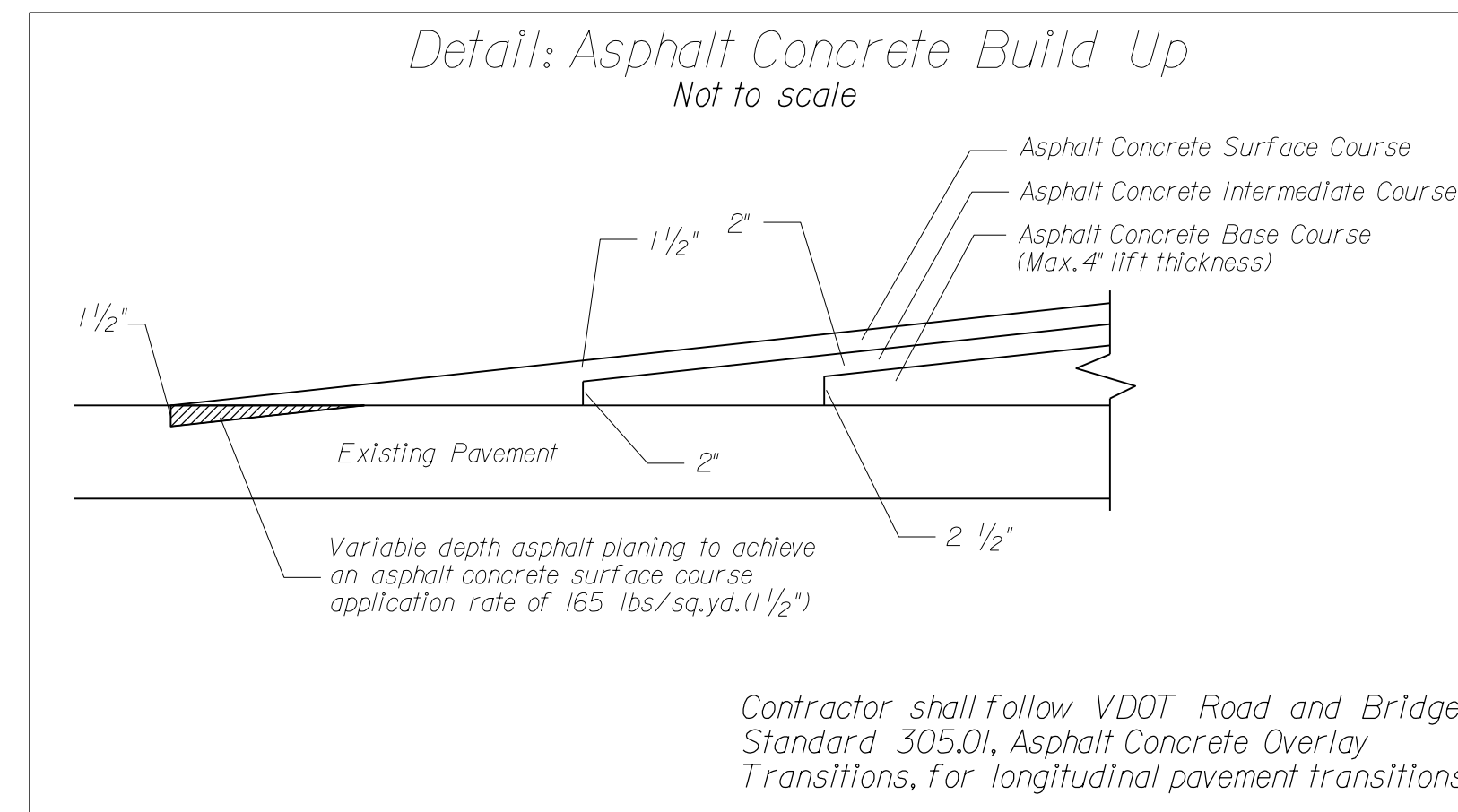
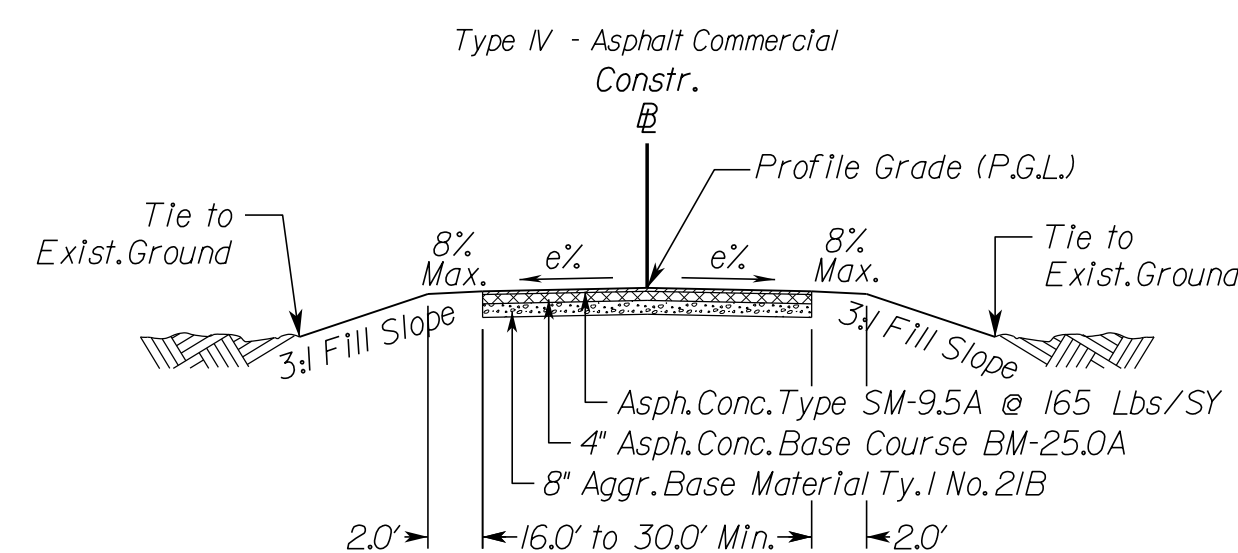
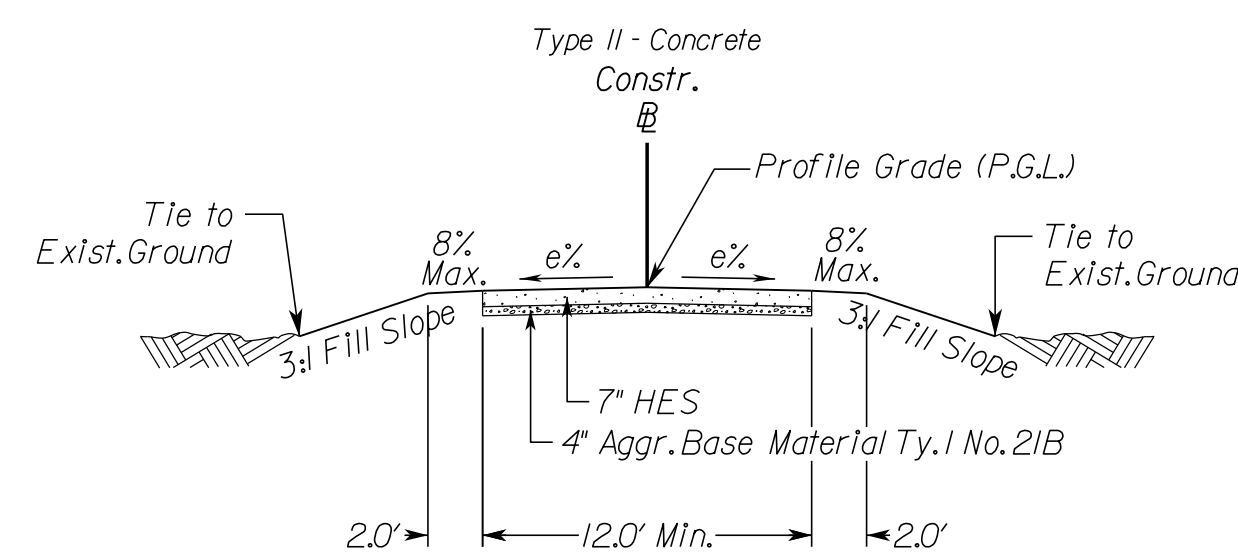
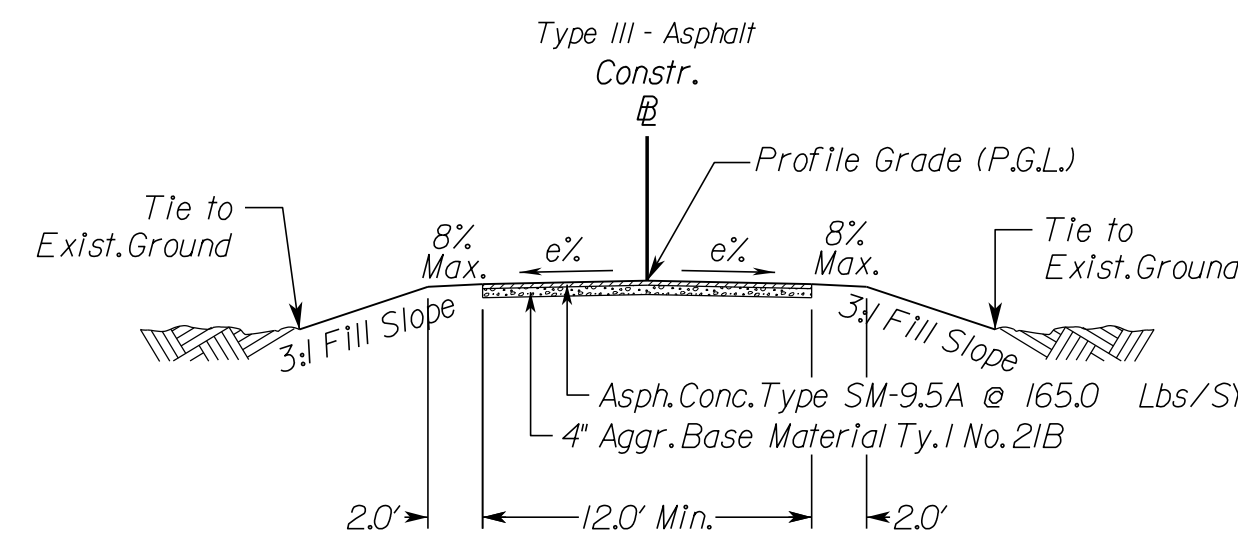
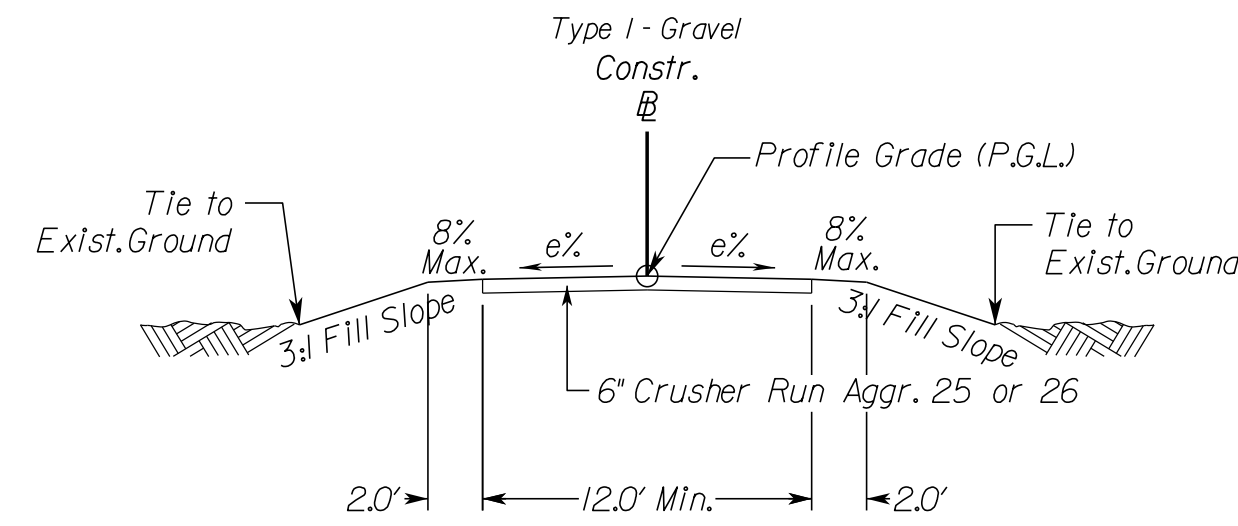
ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

Private & Commercial Entrances

VDOT ST's PE-I, CG-9D, CG-II, & CG-13

(Not to Scale)



NOTE:
 The type of entrance (I, II, III, IV) to be constructed will be determined by the existing condition at the time of construction. See VDOT Standards for private and commercial entrance details and additional information.

NOVA DISTRICT

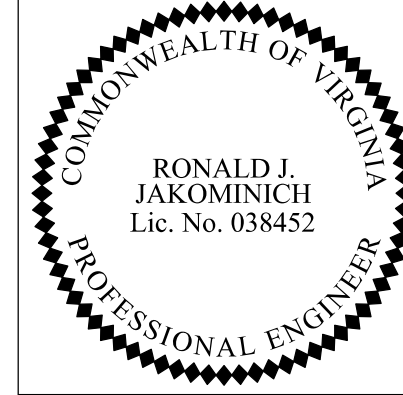
12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(4) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - RitaPal-Straub, P.E. (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas. Kaugaul's, LS (703) 334-0837, 12/2021
DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE_Accurmark - Michael Taylor, LS (703) 635-3060, 12/2021
Dewberry - Ron Jakominich, P.E. (703) 849-0651

Median Barrier Summary



Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2B(5) AREA 2

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

	Sheet No.	St'd. MB-7D		St'd. MB-7E		St'd. MB-7F		MB-7F with Moment Slab		St'd. MB-8A TY I		St'd. MB-8A TY II		St'd. MB-8A TY III		St'd. BPPS-1A		St'd. BPPS-3A		Tall Wall		Notes			
		Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta		Sta		
495XL NB LT	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	574.40	575.29	-	-	-	-	Station range includes transition lengths			
		-	-	-	-	575.29	577.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	1054.47	1057.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	584.46	584.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	584.69	585.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		585.37	586.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	585.12	593.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	593.50	606.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	606.00	613.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-		-	614.23	614.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	613.50	614.23	-	-	Station range includes transition lengths		
-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	614.92	615.00	-	-	
495XL NB RT	6	-	-	-	-	567.50	568.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	568.00	569.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	573.27	574.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	574.00	576.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	589.00	593.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	593.50	606.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	606.00	615.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
495GP NB LT	6	-	-	-	-	1071.00	1075.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	1076.13	1077.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1077.41	1079.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
495GP NB RT	6	1078.22	1084.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	1084.00	1092.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
495XL SB RT	7	-	-	192.50	194.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	194.00	206.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	206.50	214.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	214.87	215.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	214.13	214.87	-	-	Station range includes transition lengths		
Ramp EI LT	6	-	-	-	-	-	-	44.00	44.50	-	-	-	-	-	-	-	-	-	-	-	-	215.34	215.50	-	
		-	-	44.50	45.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ramp EI RT	6	-	-	-	-	-	-	44.09	48.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	49.22	49.77	-	-	-	-	-	-	-	-	-	-	-	-	-	48.96	49.22	-
Ramp GIO RT	6	-	-	-	-	19.79	28.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOVA DISTRICT

12/16/2022

N.T.S.

VDOT PROJECT NO.
0495-029-419

SHEET NO.
2B(5)
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Riprap, Sub, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull's LS (703) 334-0837, 12/2/2021
DESIGN BY RDA - Darrell Fischer PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor LS, (703) 635-3060, 12/2/2021

Geotechnical Recommendations

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2C AREA 2

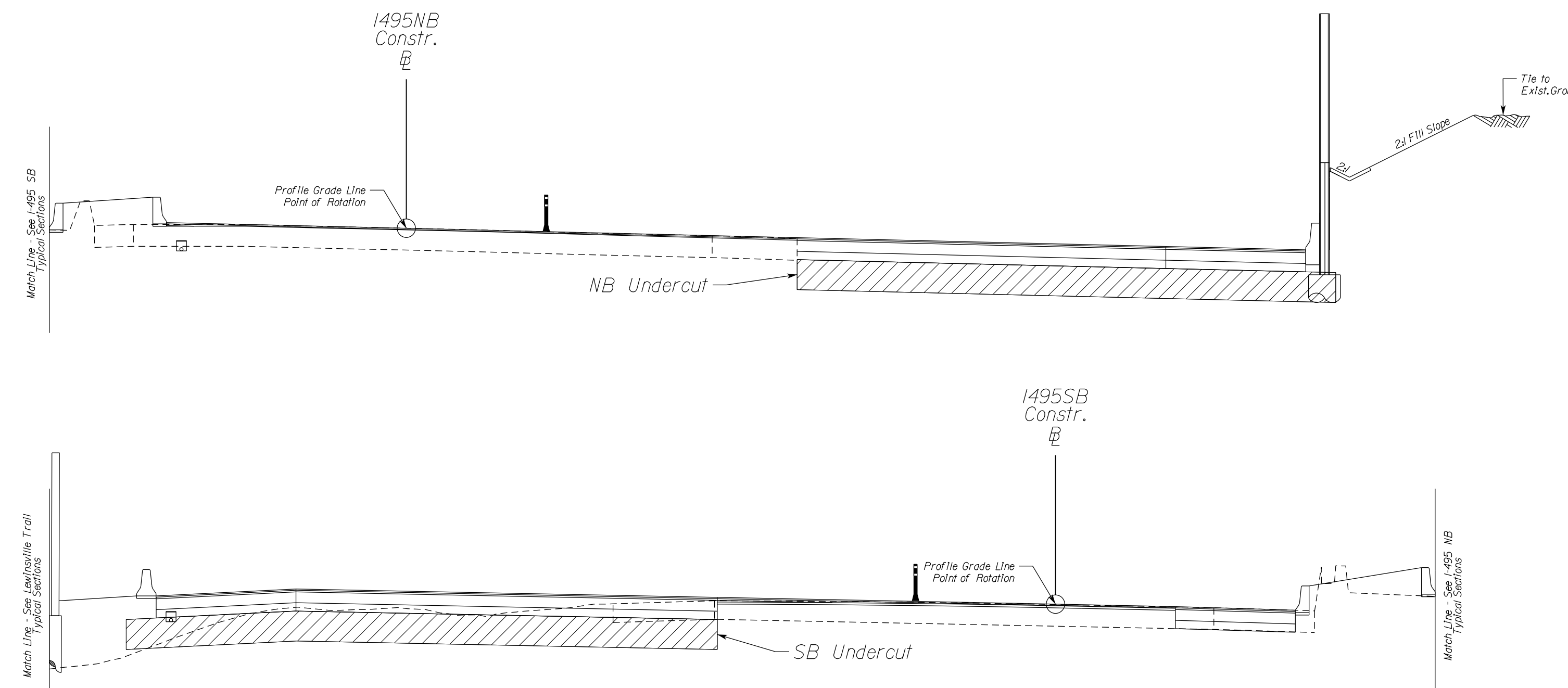
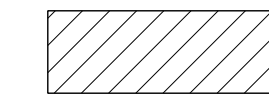
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Summary of Unsuitable Material at Subgrade

Roadway Stations	Widening Locations	Depth	Reason	Treatment Method
I-495				
Sta. 618+04 to 618+20	NB	3'	Low CBR	DI, D2, D3
Sta. 621+63 to 622+13	NB	3'	Low CBR	DI, D2, D3
Sta. 630+50 to 635+50	NB	3'	Low CBR	DI, D2, D3
Sta. 638+50 to 640+63	NB	3'	Low CBR	DI, D2, D3
Sta. 640+63 to 643+13	NB	1.5'	Low CBR	DI, D2, D3
Sta. 643+13 to 645+25	NB	3'	Low CBR	DI, D2, D3
Sta. 655+00 to 661+25	NB	3'	Low CBR	DI, D2, D3
Sta. 672+13 to 676+75	NB	3'	Low CBR	DI, D2, D3
Sta. 688+25 to 689+50	NB	3'	Low CBR	DI, D2, D3
Sta. 690+63 to 694+00	NB	3'	Low CBR	DI, D2, D3
Sta. 192+50 to 197+63	SB	3'	Low CBR	DI, D2, D3
Sta. 226+13 to 231+25	SB	3'	Low CBR	DI, D2, D3
Sta. 256+38 to 263+00	SB	3'	Low CBR	DI, D2, D3

UNSUITABLE MATERIALS LEGEND

Unsuitable soils to be removed to the depth indicated and replaced as recommended.



NOVA DISTRICT

Treatment Method

- A) Boring Stations and Elevations provided by RDA and from the GDR prepared by HDR. Station ranges have been approximated between borings.
- B) Profile Grade and Final Subgrade elevations interpreted from the ~60% plans prepared by RDA.
- C) Depth of soils evaluated:
 - 1) Cut locations - Upper 3 feet of planned top of roadway subgrade
 - 2) Fill locations - Maintain minimum 3 foot separation between subgrade and unsuitable soils
- D) Remediation Alternatives (Technical Requirements Part 2 Section 3.4.5):
 - 1) Complete removal to 2 feet beyond the outside edge of shoulder and replaced with structural fill, minimum CBR 5.
 - 2) Removal to specified depth and replaced with select fill, type I, minimum CBR 30 and geosynthetic material.
 - 3) Chemical stabilization of the soils to a minimum depth of 12 inches below final pavement subgrade.
- E) Saturated or very dry and/or loose or very soft coarse and fine-grained soils that exhibit excessive pumping, weaving or rutting under the weight of construction equipment are also considered unsuitable, unless they can be moisture conditioned through either mechanical or chemical means to an acceptable moisture content that allows adequate compaction to meet project specifications, and classification testing indicates they are not otherwise unsuitable. (Technical Requirements Part 2 Section 3.4.5)

N.T.S	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2C AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS, (703) 635-3060, 12/2021

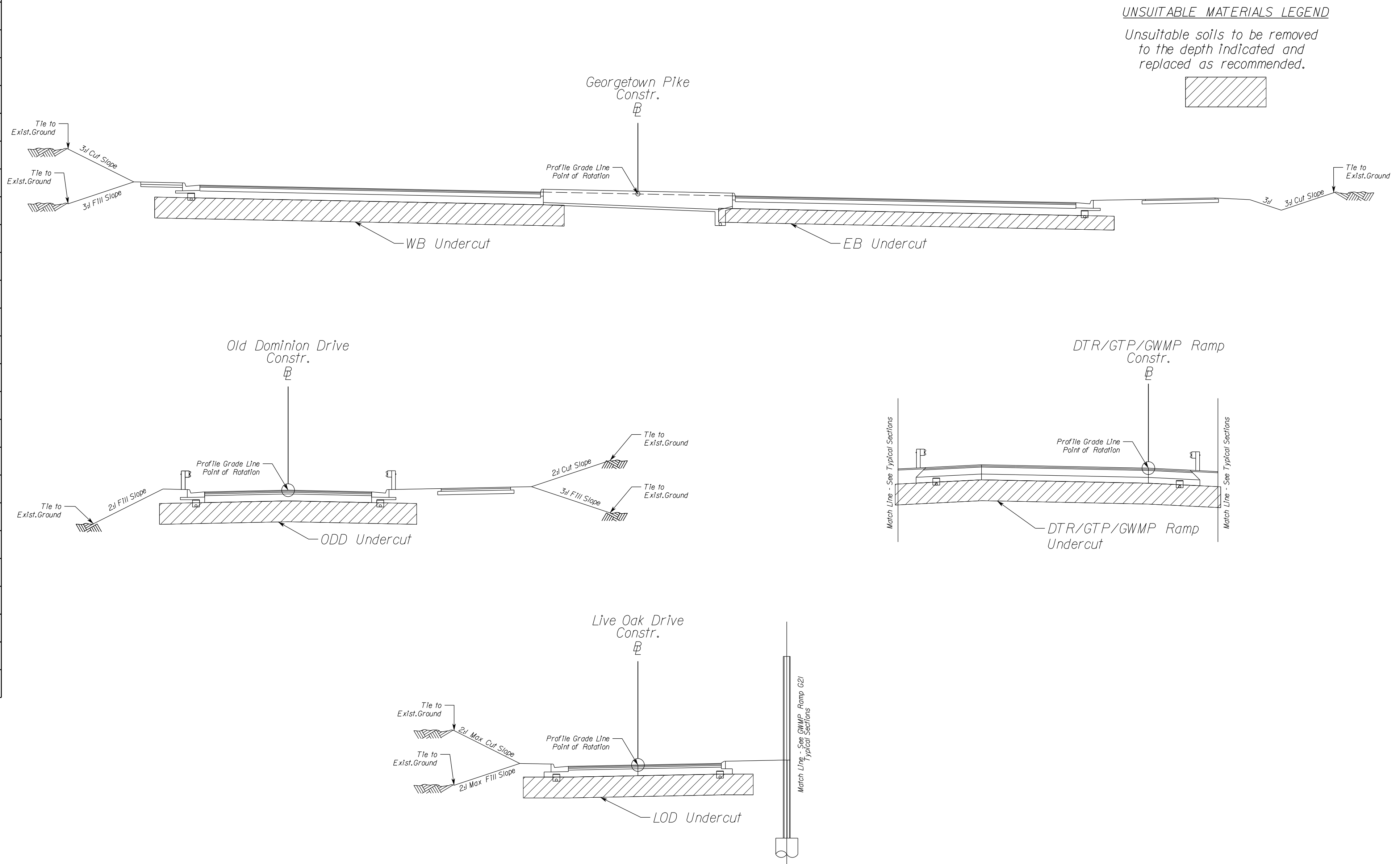
Geotechnical Recommendations

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2C(1) AREA 2

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

Summary of Unsuitable Material at Subgrade

Roadway Stations	Widening Locations	Depth	Reason	Treatment Method
DTR Ramp E1				
Sta. 23+75 to 29+00	-	3'	Low CBR	DI, D2, D3
Georgetown Pike				
Sta. 19+68 to 20+98	-	3'	CH/MH Within 3' of Subgrade	DI, D2, D3
Sta. 26+06 to 26+15	-	3'	CH/MH Within 3' of Subgrade	DI, D2, D3
Sta. 30+60 to 31+33	-	3'	CH/MH Within 3' of Subgrade	DI, D2, D3
GTP Ramp NE				
Sta. 19+00 to 20+00	-	3'	CH/MH Within 3' of Subgrade	DI, D2, D3
GTP Ramp SE				
Sta. 11+95 to 17+50	-	3'	Low CBR	DI, D2, D3
GTP Ramp SW				
Sta. 14+45 to 16+55	-	3'	Low CBR	DI, D2, D3
Sta. 16+55 to 17+33	-	2.5'	Low CBR	DI, D2, D3
Sta. 17+95 to 18+68	-	3'	Low CBR	DI, D2, D3
GWMP Ramp G21				
Sta. 33+33 to 34+15	-	3'	CH/MH Within 3' of Subgrade	DI, D2, D3
GWMP Ramp E21				
Sta. 28+05 to 30+70	-	3'	Low CBR	DI, D2, D3
GWMP Ramp G22				
Sta. 24+95 to 26+20	-	2'	Low CBR	DI, D2, D3
Sta. 26+20 to 28+75	-	3'	Low CBR	DI, D2, D3
GWMP Ramp E22				
Sta. 25+78 to 27+13	-	2'	Low CBR	DI, D2, D3
Sta. 27+13 to 29+50	-	3'	Low CBR	DI, D2, D3
Old Dominion Drive				
Sta. 15+38 to 17+40	-	3'	Low CBR	DI, D2, D3



Treatment Method

- A) Boring Stations and Elevations provided by RDA and from the GDR prepared by HDR. Station ranges have been approximated between borings.
- B) Profile Grade and Final Subgrade elevations interpreted from the -60% plans prepared by RDA
- C) Depth of soils evaluated:
 - 1) Cut locations - Upper 3 feet of planned top of roadway subgrade
 - 2) Fill locations - Maintain minimum 3 foot separation between subgrade and unsuitable soils
- D) Remediation Alternatives (Technical Requirements Part 2 Section 3.4.5):
 - 1) Complete removal to 2 feet beyond the outside edge of shoulder and replaced with structural fill, minimum CBR 5.
 - 2) Removal to specified depth and replaced with select fill, type I, minimum CBR 30 and geosynthetic material.
 - 3) Chemical stabilization of the soils to a minimum depth of 12 inches below final pavement subgrade.
- E) Saturated or very dry and/or loose or very soft coarse and fine-grained soils that exhibit excessive pumping, weaving or rutting under the weight of construction equipment are also considered unsuitable, unless they can be moisture conditioned through either mechanical or chemical means to an acceptable moisture content that allows adequate compaction to meet project specifications, and classification testing indicates they are not otherwise unsuitable. (Technical Requirements Part 2 Section 3.4.5)
- F) Station ranges +/- 300 feet from a low CBR location (CBR<5.0) are presented as unsuitable. However, the materials are not classified as CH/MH in all cases have a resilient modulus value of 4,300 psi or greater, which is the minimum value used in the M-E pavement designs.

N.T.S	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2C(1) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Roo Yakimovich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

Geotechnical Recommendations

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2C(2) AREA 2

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

Global Stability Summary

Area	Section Evaluated	Vertical Slope Height (ft)	Circular Surfaces			Non-Circular Surfaces			Remarks	
			Minimum FOS		Prob. of Failure, PF	Minimum FOS		Prob. of Failure, PF		
			Bishop	Spencer		Morgenstern	Spencer			
1	Ramp E1 - 34+50	38.5	1.58	1.58	0.50%	1.58	1.58	0.50%	Install 4 layers of 40-foot-long horizontal geogrid from DTR Ramp E1 STA 34+00 to 36+50 as slope reinforcement within the new fill being placed to raise the existing grade and form Ramp E1. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes. The first layer of geogrid should be placed 4.5 feet vertically below the midpoint. The second layer should be placed 1.5 feet vertically below the midpoint. The third layer should follow 1.5 feet vertically above the midpoint. The fourth layer of geogrid should be placed 4.5 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 2,100 lb/ft in the direction perpendicular to the roadway alignment.	
	Ramp E3 - 25+50	59.7	1.55	1.55	0.00%	1.55	1.55	0.00%	Install 6 layers of 60-foot-long horizontal geogrid from DTR Ramp E3 STA 15+00 to 26+00 as slope reinforcement within the new fill being placed to raise the existing grade and form Ramp E3. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes. The first layer of geogrid should be placed 10 feet vertically below the midpoint. The second layer should be placed 6 feet vertically below the midpoint. The third layer should follow 2 feet vertically below the midpoint. The fourth layer of geogrid should be placed 2 feet vertically above the midpoint. The fifth layer of geogrid should be placed 6 feet vertically above the midpoint. The sixth layer of geogrid should be placed 10 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 2,100 lb/ft in the direction perpendicular to the roadway alignment.	
	Ramp E3 - 22+00	37.5	1.87	1.87	0.50%	1.87	1.87	0.50%	Install 3 layers of 35-foot-long horizontal geogrid from Old Dominion Drive STA 17+00 to 20+00 as slope reinforcement within the new fill being placed to raise the existing grade and form the new roadway for Old Dominion Drive. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes. The first layer of geogrid should be placed 4 feet vertically below the midpoint. The second layer should be placed at the midpoint. The third layer should follow 4 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 1,800 lb/ft in the direction perpendicular to the roadway alignment.	
	Ramp G3 - 43+50	22.1	1.53	1.53	0.00%	1.53	1.53	0.00%	No Geogrid required	
2	495NB - 585+50	15.7	1.57	1.56	0.00%	1.56	1.56	0.00%	No Geogrid required	
	LewTrl - 16+00	23.0	1.55	1.55	0.00%	1.55	1.55	0.00%	No Geogrid required	
	LewTrl - 21+50	16.3	1.67	1.66	0.00%	1.67	1.66	0.00%	No Geogrid required	
	LewTrl - 27+50	11.9	1.77	1.76	0.00%	1.77	1.77	0.00%	No Geogrid required	
		24.2	1.55	1.55	0.00%	1.55	1.55	0.00%	No Geogrid required	
	LewTrl - 31+00	19.7	1.54	1.54	0.00%	1.54	1.54	0.00%	No Geogrid required	
		13.3	1.76	1.76	0.00%	1.78	1.77	0.00%	No Geogrid required	
	LewTrl - 46+50	11.9	1.72	1.71	0.00%	1.72	1.72	0.00%	No Geogrid required	
	3	ODD - 20+00	36.3	1.63	1.63	0.50%	1.64	1.64	0.00%	Install 3 layers of 35-foot-long horizontal geogrid from Old Dominion Drive STA 17+00 to 20+00 as slope reinforcement within the new fill being placed to raise the existing grade and form the new roadway for Old Dominion Drive. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes. The first layer of geogrid should be placed 4 feet vertically below the midpoint. The second layer should be placed at the midpoint. The third layer should follow 4 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 1,800 lb/ft in the direction perpendicular to the roadway alignment.
		ODD - 25+50	24.3	1.72	1.71	0.50%	1.72	1.72	0.50%	Install 3 layers of 35-foot-long horizontal geogrid from Old Dominion Drive STA 25+50 to 27+50 as slope reinforcement within the new fill being placed to raise the existing grade and form the new roadway for Old Dominion Drive. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes. The first layer of geogrid should be placed 2 feet vertically below the midpoint. The second layer should be placed at the midpoint. The third layer should follow 2 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 1,800 lb/ft in the direction perpendicular to the roadway alignment.
4	495NB - 635+00	15.4	1.64	1.64	0.00%	1.64	1.64	0.00%	No Geogrid required	
	LewTrl - 57+50	31.7	1.50	1.50	0.00%	1.50	1.50	0.00%	Install 2 layers of 45-foot-long horizontal geogrid from Lewinsville Trail STA 56+00 to 58+50 as slope reinforcement within the new fill being placed to raise the existing grade. The first layer of geogrid should be placed 4.5 feet above the toe of the embankment slope elevation. Geogrid layers should be spaced 2 feet vertically. The geogrid should have a minimum allowable tensile strength of 2,100 lb/ft in the direction perpendicular to the roadway alignment.	
	GTP Ramp NE - 11+50	17.4	1.59	1.58	0.00%	1.59	1.58	0.00%	No Geogrid required	
5	Ramp G21 - 2+50	24.8	1.57	1.56	1.00%	1.57	1.57	1.00%	Slope to be regraded to a 2.1H:1V slope along 495 SB STA 251+50 to 254+50.	
	BHTrl_36+50	16.9	1.67	1.67	0.50%	1.67	1.67	0.50%	No Geogrid required	
	Ramp G21 - 53+50	26.5	1.55	1.55	0.50%	1.55	1.55	0.00%	Slope to be regraded to a 2.1H:1V slope along Ramp G21 STA 52+50 to 54+50.	
	Ramp G22 - 21+50	49.7	1.59	1.59	0.50%	1.59	1.59	0.50%	Install 2 layers of 25-foot-long horizontal geogrid from Ramp G22 STA 20+25 to 21+75 as slope reinforcement within the new fill cap being placed to raise the existing ramp grade and form Ramp G22. The first layer of geogrid should be placed just above the existing ground surface, in the lower portion of the new fill cap. Geogrid layers should be spaced 2 feet vertically. The geogrid should have a minimum allowable tensile strength of 1,800 lb/ft in the direction perpendicular to the roadway alignment.	
	Ramp G22 - 23+00	43.1	1.57	1.56	0.50%	1.58	1.58	0.50%	Install 3 layers of 35-foot-long horizontal geogrid from Ramp G22 STA 21+75 to 26+51.84 as slope reinforcement within the new fill slope being placed to raise the existing ramp grade and form Ramp G22. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes above BMP-14. (This refers to the proposed 2.0H:1V fill slopes with vertical heights of about 25 to 35 feet above the BMP-14 bench line within this station range.) The first layer of geogrid should be placed 2 feet vertically below the midpoint. The second layer should be placed at the midpoint. The third layer should follow 2 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 1,800 lb/ft in the direction perpendicular to the roadway alignment.	
Ramp G22 - 25+50	34.8	1.54	1.54	0.50%	1.54	1.54	0.50%	Install 3 layers of 35-foot-long horizontal geogrid from Ramp G22 STA 21+75 to 26+51.84 as slope reinforcement within the new fill slope being placed to raise the existing ramp grade and form Ramp G22. The geogrid should be placed at the midpoint of the height of the proposed 2.0H:1V fill slopes above BMP-14. (This refers to the proposed 2.0H:1V fill slopes with vertical heights of about 25 to 35 feet above the BMP-14 bench line within this station range.) The first layer of geogrid should be placed 2 feet vertically below the midpoint. The second layer should be placed at the midpoint. The third layer should follow 2 feet vertically above the midpoint. The geogrid should have a minimum allowable tensile strength of 1,800 lb/ft in the direction perpendicular to the roadway alignment.		
Ramp G23 - 12+50	11.3	2.01	2.00	0.00%	2.02	2.01	0.00%	No Geogrid required		

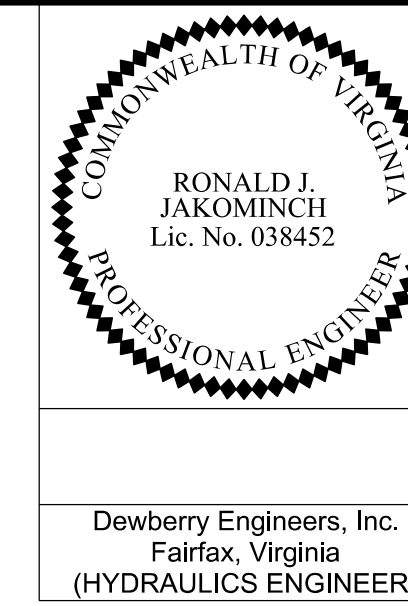
NOVA DISTRICT

APPROVED FOR CONSTRUCTION

VDOT PROJECT NO. 0495-029-419	SHEET NO. 2C(2) AREA 2
----------------------------------	------------------------------

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomilich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS (703) 635-3060, 12/2021

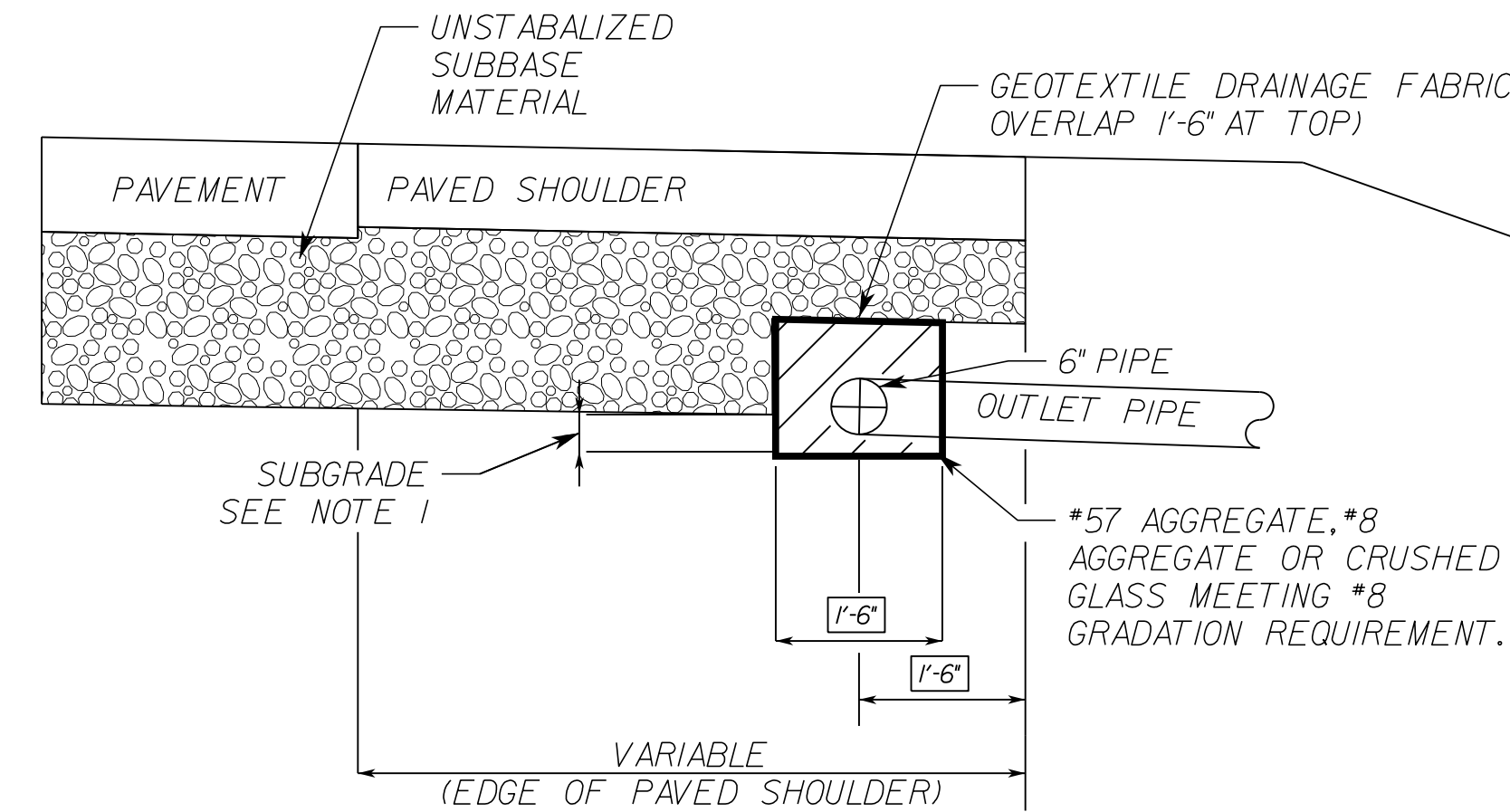
Modified Underdrain Details



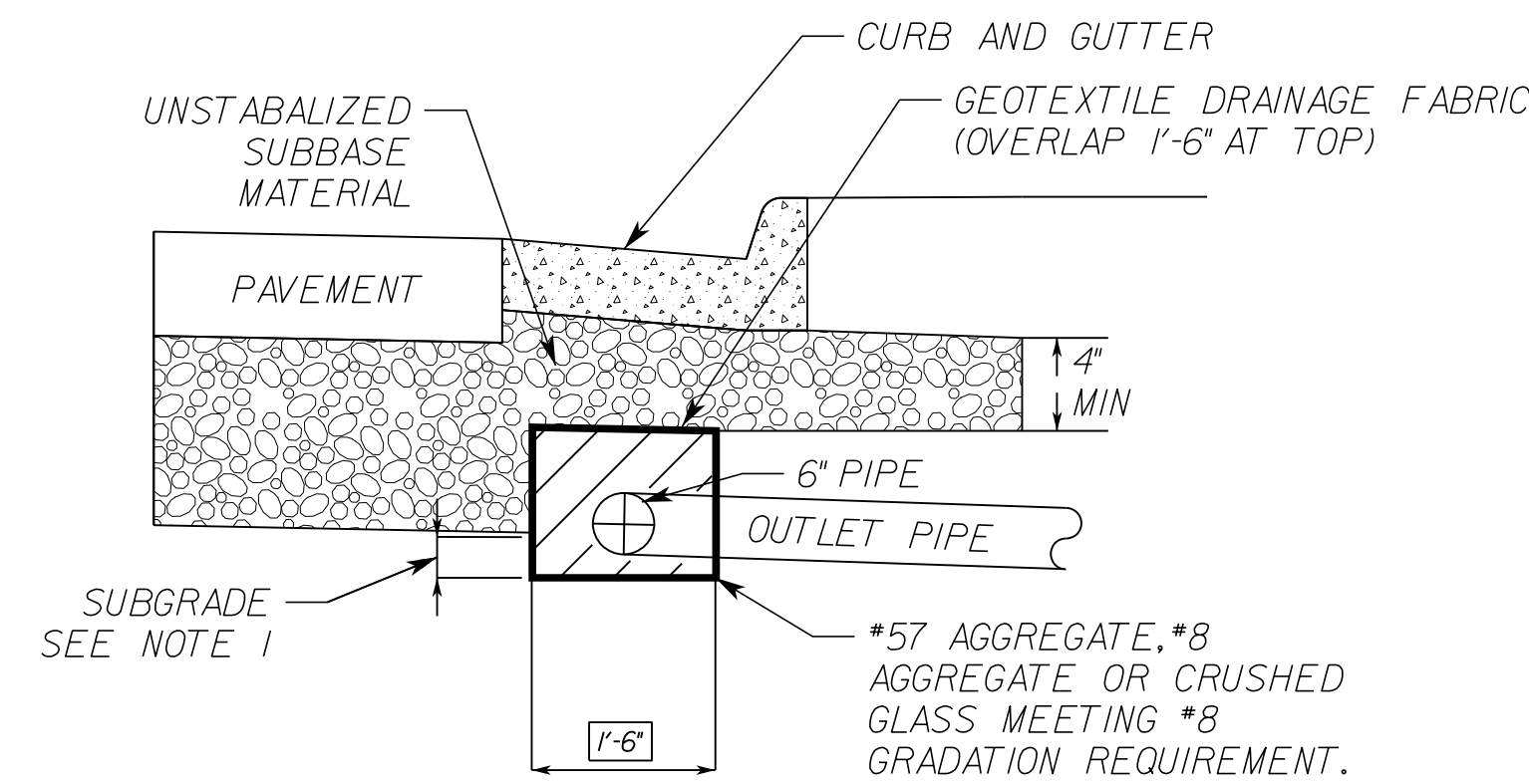
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2F AREA 2

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

MOD.UD-4 UNDER PAVED SHOULDER

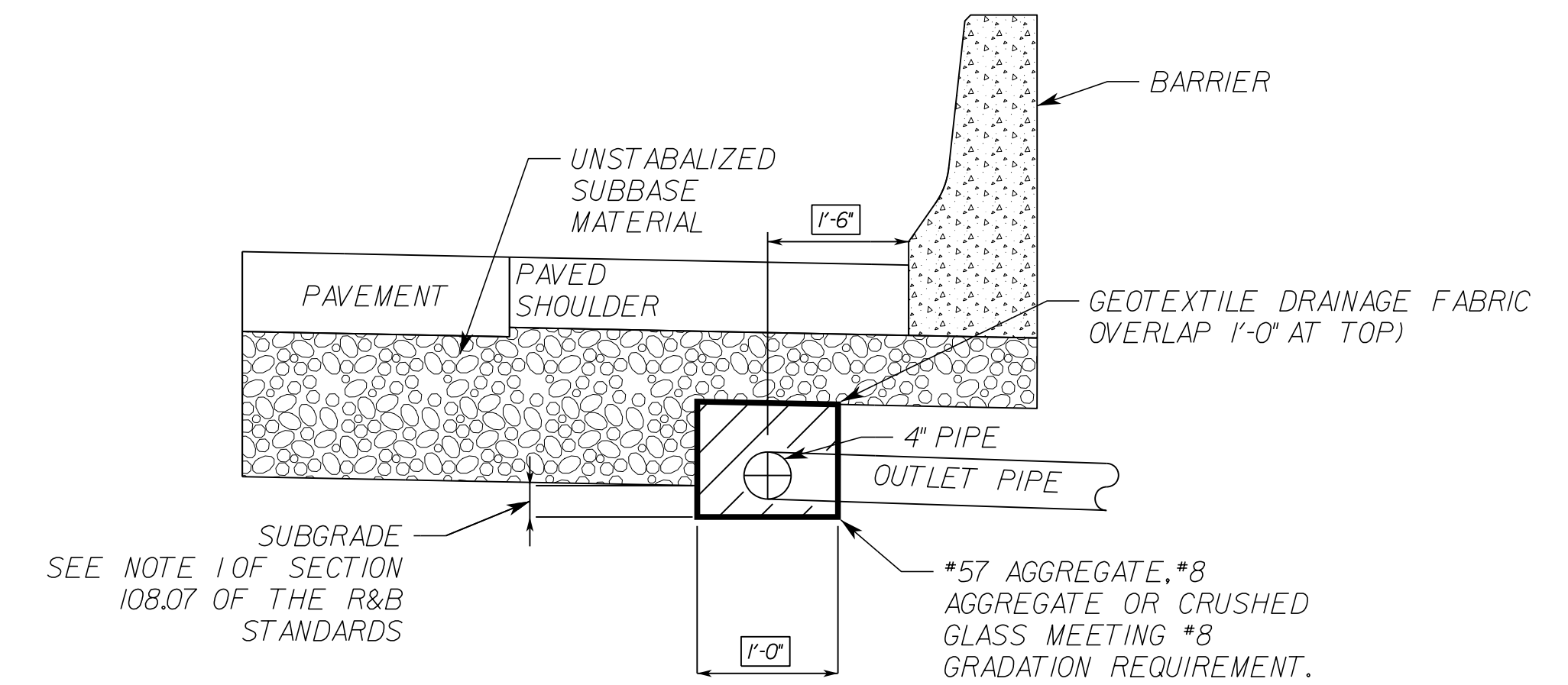


MOD.UD-4 UNDER CURB & GUTTER

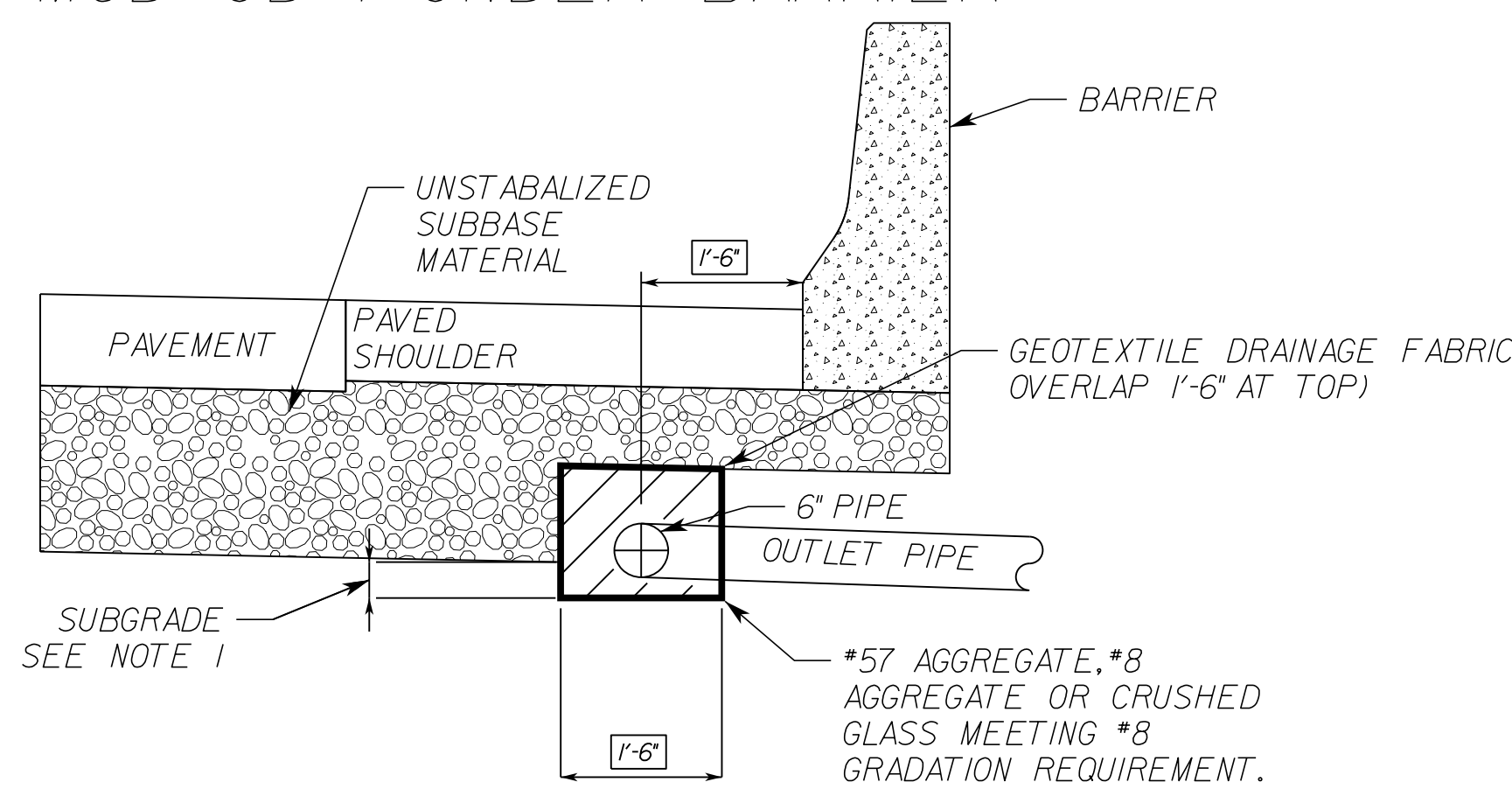


UNDERDRAIN SHALL BE CENTERED UNDER CURB AND GUTTER

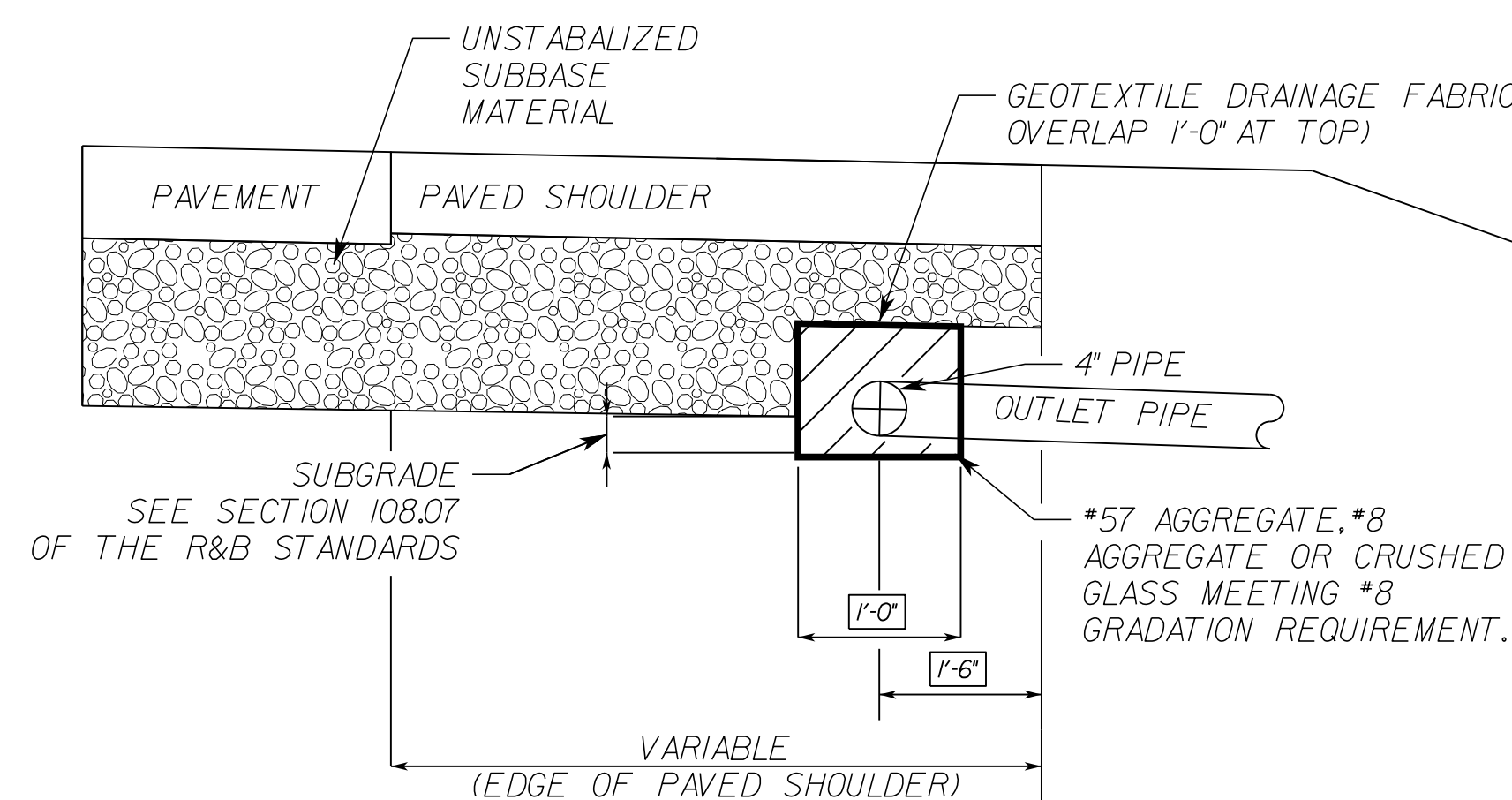
ST'D.UD-4 UNDER BARRIER



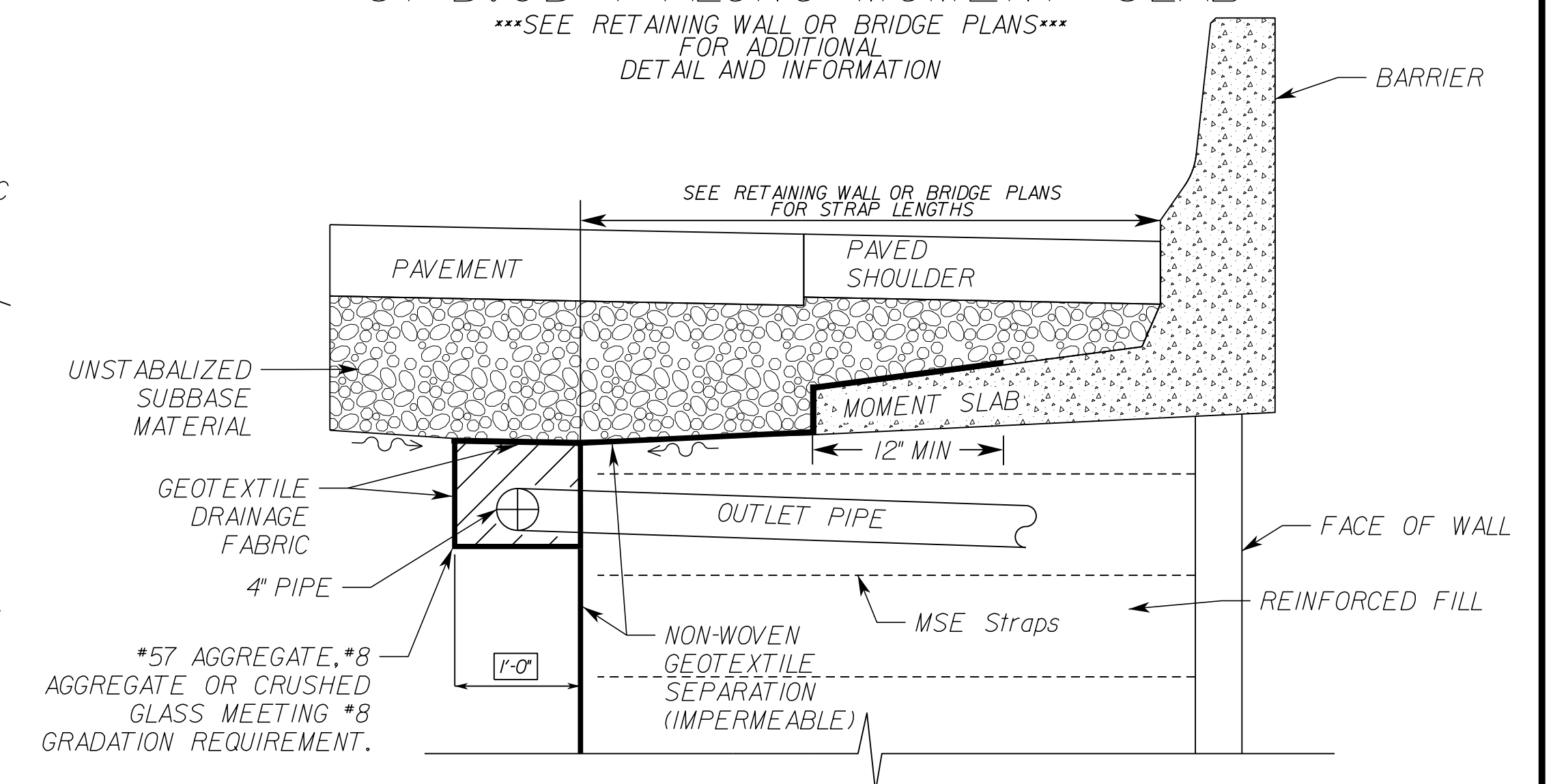
MOD UD-4 UNDER BARRIER



ST'D.UD-4 UNDER PAVED SHOULDER WITH MODIFIED PLACEMENT



ST'D.UD-4 ALONG MOMENT SLAB



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, ECT.), 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, WYES, ETC.) WITHIN PAY LIMITS FOR OUTLET PIPE ARE TO BE OF THE SAME CRUSHING STRENGTH AS THE OUTLET PIPE.

MOD.UD-4 NOTES CONTINUED

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

NOT TO SCALE

VDOT PROJECT NO.
0495-029-419

SHEET NO.
2F
AREA 2

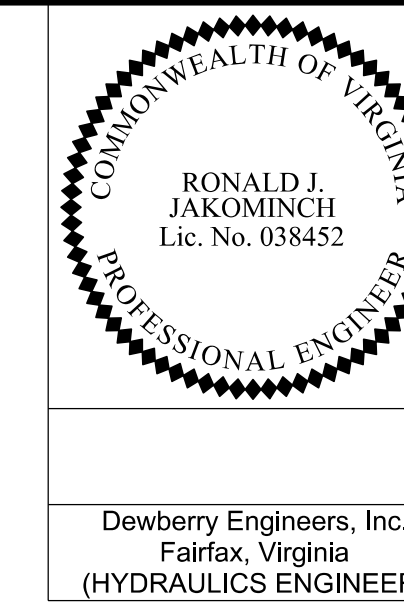
APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

Modified DI-10H Details

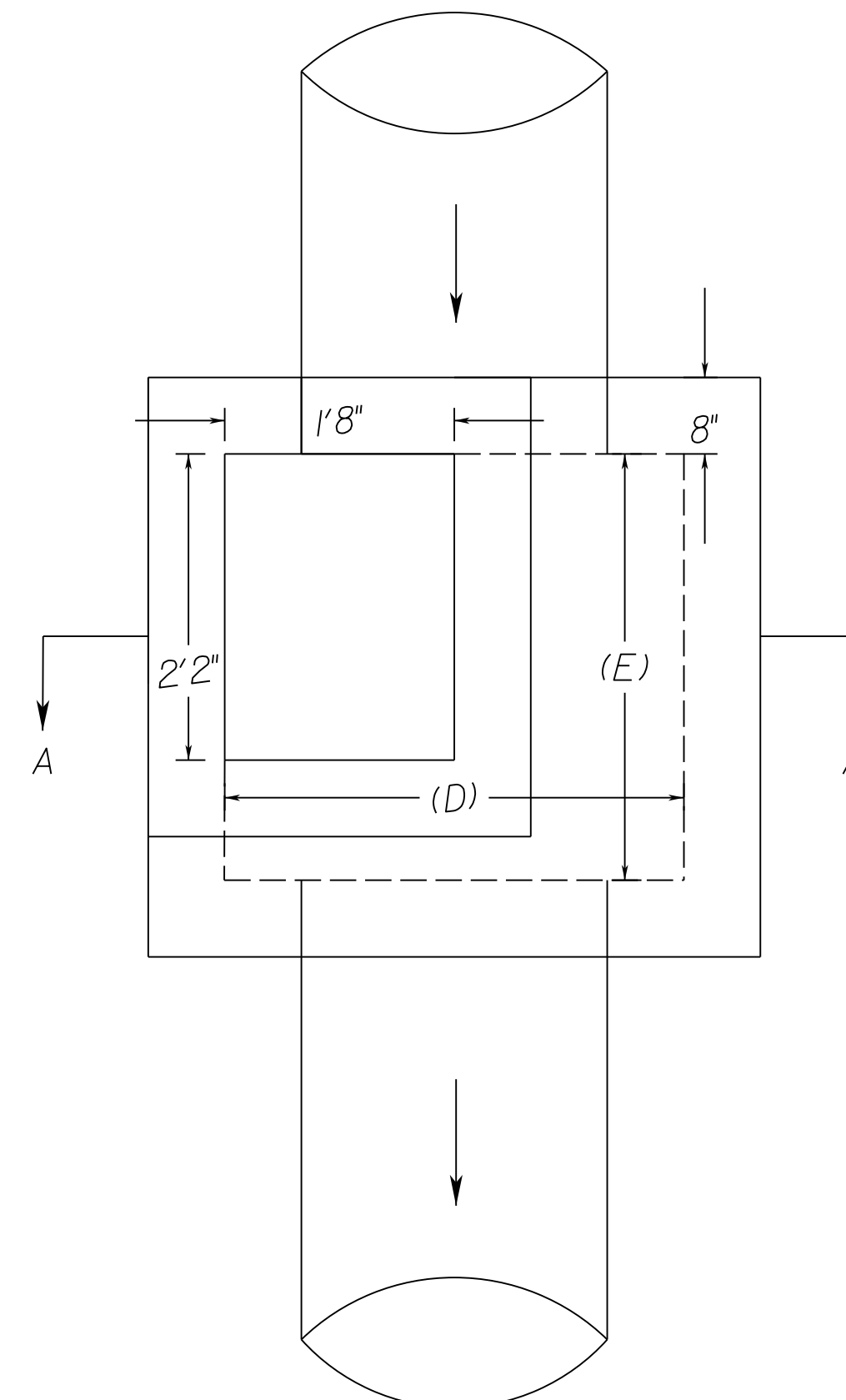


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Fairfax, Virginia
(HYDRAULICS ENGINEER)

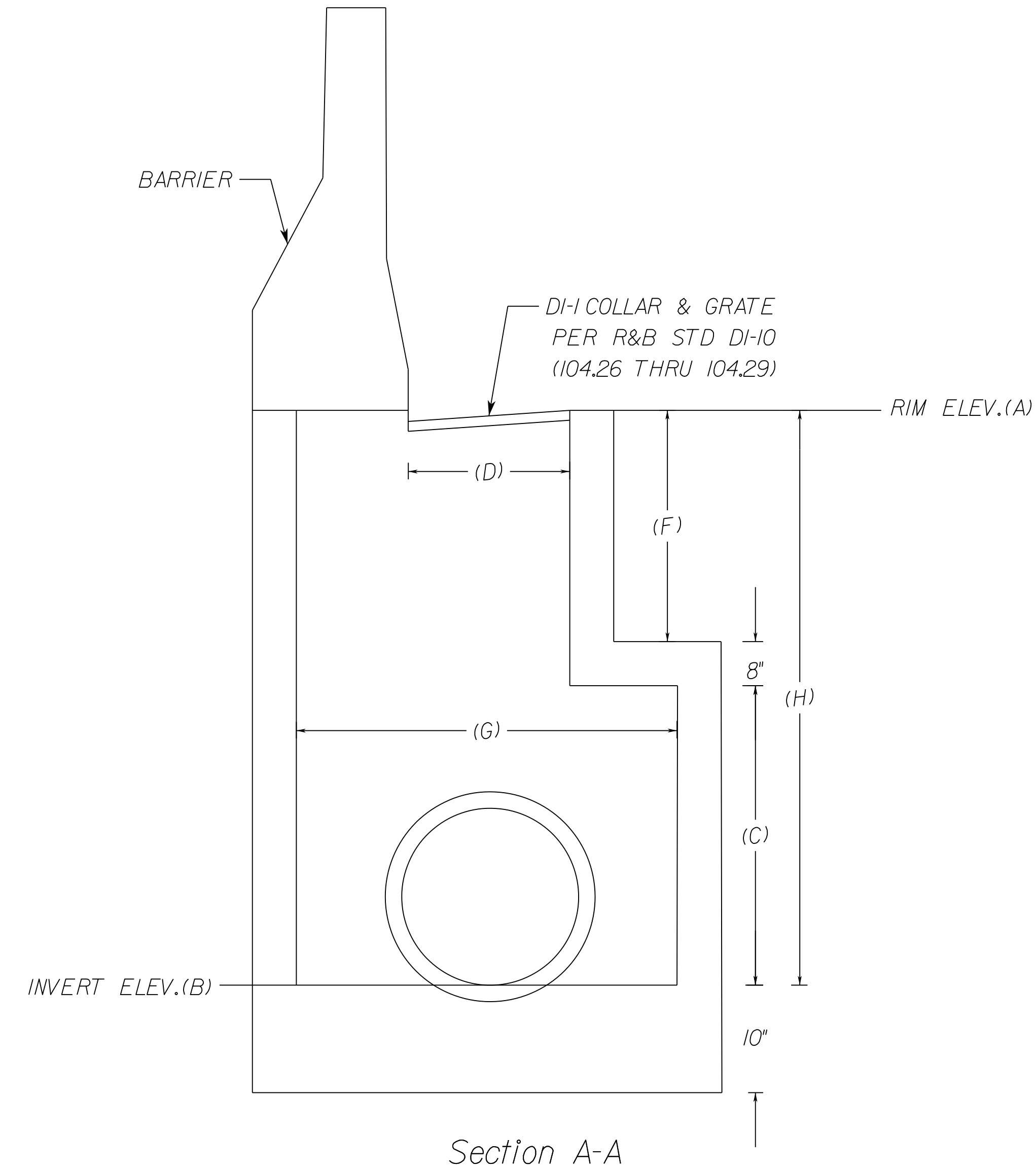
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2F(1) AREA 2

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

Note: See Sheets 3DRN thru 19DRN for actual pipe location and orientation.



Modified Drop Inlet
DI-10 Series



Section A-A

Str. Number	Rim Elev.	Invert Elev.	Box Height	Grate Width	Grate Length	Height to Rim	Chamber Width	Str. Height
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
7-10	263.40	246.75	3'6"	2'2"	2'	11'8"	3'6"	16'8"
7-16	268.54	248.34	N/A	2'2"	2'	N/A	3'	20'2"

Note: Dimensions to be provided for each structure.

Refer to plan sheets 3 through 19 for orientation of incoming and outgoing pipes. Contractor to submit shop drawings for all modified structures prior to commencing construction.

FOR DETAIL PURPOSES ONLY
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS
WITH STRUCTURAL ANALYSIS PRIOR TO ORDER
AND/OR POUR.

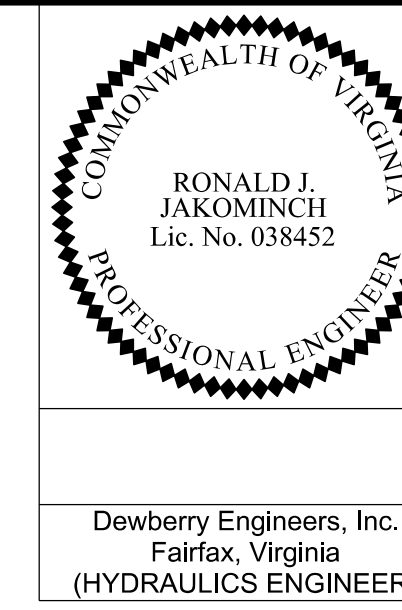
NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2F(1) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Dewberry - Ron Jakominch, P.E. (703) 849-0651
Accurmark - Michael Taylor, LS (703) 635-3060, 12/2021

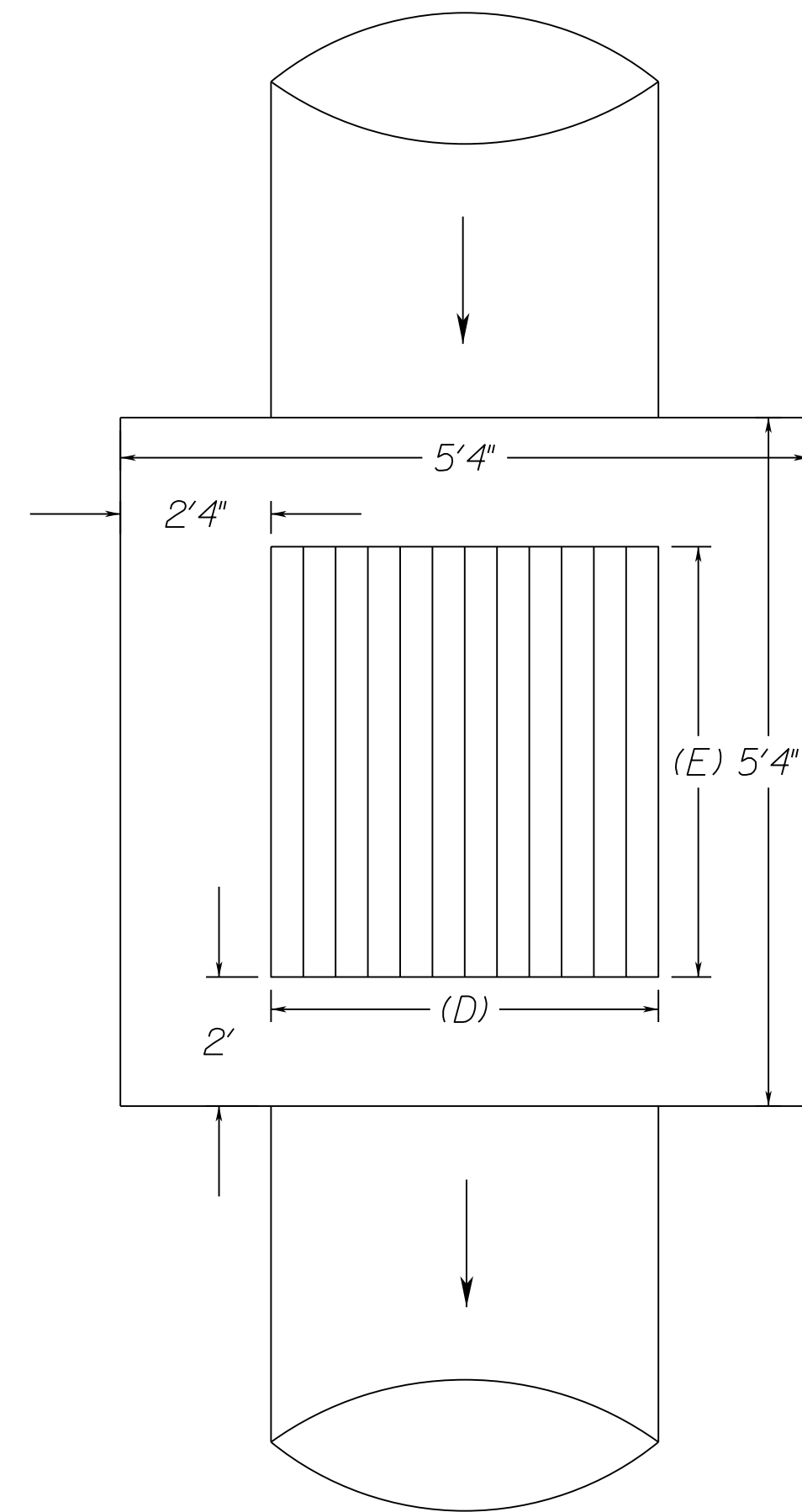
Modified DI-5 Details



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2F(2) AREA 2

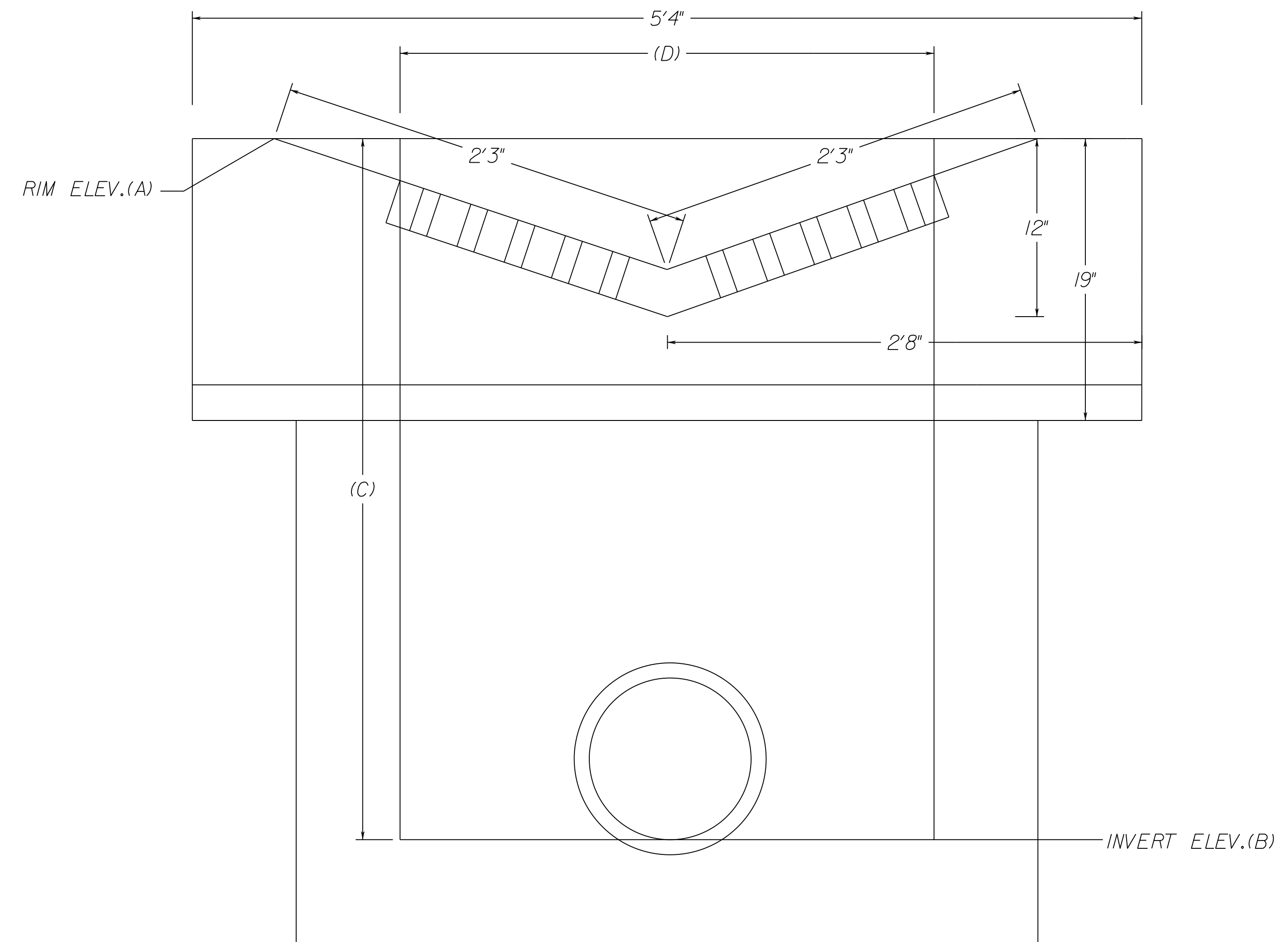
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Note: See Sheets 3DRN thru 19DRN for actual pipe location and orientation.



Modified Drop Inlet
DI-5 Series

Str. Number	Rim Elev.	Invert Elev.	Str. Height	Box Width	Box Length
	(A)	(B)	(C)	(D)	(E)
6-24	290.50	277.00	13'6"	3'	3'4"



Section A-A

Note: Dimensions to be provided for each structure.

Refer to plan sheets 3 through 19 for orientation of incoming and outgoing pipes. Contractor to submit shop drawings for all modified structures prior to commencing construction.

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WITH STRUCTURAL ANALYSIS PRIOR TO ORDER
AND/OR POUR.

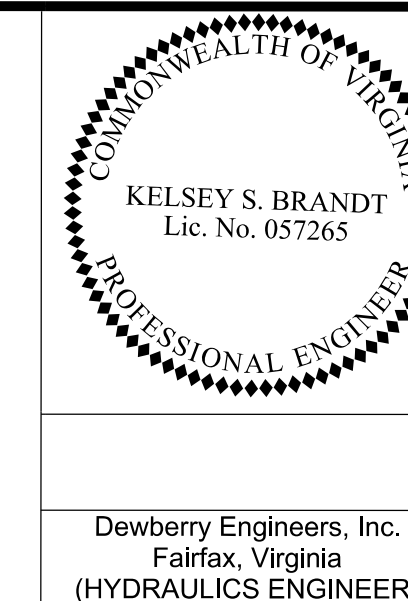
NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2F(2) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rimpal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kougaull's L.S. (703) 334-0837, 12/2021
DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakomajich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	26 AREA 2

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

HYDROLOGIC AND HYDRAULIC DATA SHEET - A2

HYDROLOGIC DATA

The data presented herein was statistically derived by empirical methods and from field observations. It is presented as an estimate of the hydraulic performance of these facilities during the passage of actual flood events.

1. Estimated 100 year frequency flood data (unless otherwise noted.) This magnitude of flooding may pass through the proposed facility or it may obtain the necessary hydraulic conveyance by partial inundation of roadways and/or partial by pass of the facility.

2. Specified frequency flood data. It is anticipated that this magnitude of flooding will be conveyed through the proposed hydraulic facility under estimated conditions which satisfy the design criteria applicable to the site.

3. This data was obtained from observations by persons familiar with the area and/or official records combined with an evaluation by empirical methods. The reliability of this data is relative to the accuracy of the source. A future flood of the same magnitude may achieve a significantly different stage elevation from that shown due to changes in the physical characteristics of the watershed.

FIELD INSPECTION STAGE <input type="checkbox"/>					FINAL DESIGN STAGE <input checked="" type="checkbox"/>					BASE FLOOD		DESIGN FLOOD			OVERTOPPING FLOOD		HISTORICAL DATA		
Sheet No.	Station (Outlet)	Stream Name	Drainage Area	Structure Size	1.		2.			3.									
					Discharge (C.F.S.)	Stage Elevation (Ft.)	Discharge (C.F.S.)	Estimated Exceedance Probability %	Stage Elevation (Ft.)	Stage Elevation (Ft.)	Estimated Exceedance Probability %	Date	Stage Elevation (Ft.)	Estimated Exceedance Probability %					
6	495GP_NB-3 Sta. 1081+00	Scott Run	4.26 sq. mi.	(3) 10' x 10' Box	4500.00	271.83	3880.00	2%	269.82	N/A	N/A	N/A	N/A	N/A					
8	495XL_NB-6 Sta. 601+75	Bradley Branch (to Scott Run)	0.38 sq. mi.	(2) 7' x 6' Box	891.00	248.23	736.00	2%	246.25	N/A	N/A	N/A	N/A	N/A					
9	495XL_NB-6 Sta. 613+50	Scott Run	5.07 sq. mi.	Bridge	4980.00	233.90	2600.00	10%	230.76	N/A	N/A	N/A	N/A	N/A					
REMARKS																Source of Information and Other Related Data			
Water surface elevations taken at cross section immediately upstream of proposed bridge/culvert.																			

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Riprap, Shab, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas, Kougoullis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Newberry - Ron, Jakomlitch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Underdrain Summary

REVISED	STATE		VDOT PROJECT NO.	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419 C501 RW201	2H AREA 2

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

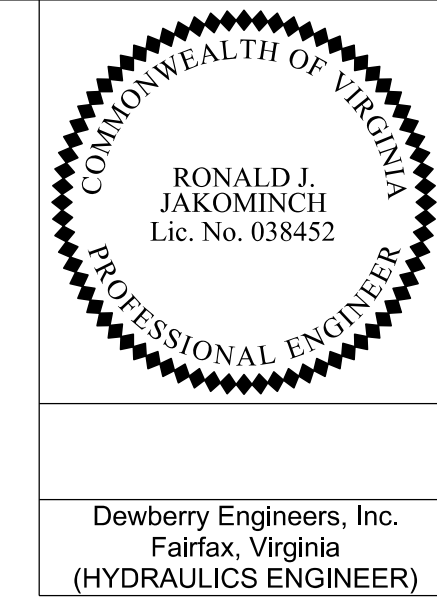
BASELINE	STATION		LOCATION	UD-4 4" (LF)	UD-4 6" (LF)	CD-2 (LF)	OUTLET PIPE (LF)	EW-12 2"	REMARKS
	FROM	TO							
DTR Ramp GIO	18+50	19+57	Right	105					Tie to 6-04
DTR Ramp GIO	19+30	19+58	Left/Right	45					Tie to 6-11
DTR Ramp GIO	19+59	22+31	Right	272					Tie to 6-28
DTR Ramp GIO	22+34	23+45	Right	110					Tie to 6-05
DTR Ramp GIO/495 GP NB	23+49	1079+58	Right	351					Tie to 6-23
495 GP NB	1079+61	1084+37	Right		477				Modified, Tie to 6-23
DTR Ramp EI	44+00	45+42	Left	142					Tie to 6-01
DTR Ramp EI	44+00	45+42	Left	141					Tie to 6-01
495 GP NB	1071+00	1072+18	Right	131					Tie to 6-04
495 GP NB	1071+00	1072+33	Left	133					Tie to 6-14
495 GP NB	1072+37	1075+86	Left	349					Tie to 6-03
495 GP NB	1072+42	1075+85	Left	343					Tie to 6-09
495 GP NB	1075+88	1078+72	Left	283					Tie to 6-22
495 GP NB	1075+88	1078+72	Left	283					Tie to 6-22
495 GP NB	1078+74	1079+90	Left	116			7		Tie to 6-10
495 GP NB	1078+74	1079+94	Left	118					Tie to 6-10
495 GP NB	1085+00	1090+23	Right		511				Modified, Tie to 7-10
495 XL NB	589+33	589+68	Right	36					Tie to 7-17
495 XL NB	589+71	591+67	Right	196					Tie to 7-13
495 XL NB	591+71	594+64	Right	292					Tie to 8-21
495 XL NB	594+68	597+33	Right	265					Tie to 8-22
495 XL NB	597+36	600+13	Right	276					Tie to 8-02
495 XL NB	600+16	604+20	Right		403				Modified, Tie to 8-15
495 XL NB	604+23	607+06	Right	282					Tie to 9-16
495 XL NB	607+10	610+04	Right	293					Tie to 9-56
495 XL NB	610+09	611+59	Right	150					Tie to 9-55
495 XL NB	611+64	613+76	Right	211					Tie to 9-50
495 XL NB	613+81	614+23	Right	41					Tie to 9-51
495 XL NB	614+27	614+88	Right	59					Tie to 9-53
495 XL NB	614+91	615+00	Right	9					Tie to UD-4 in A3
495 XL NB	584+69	586+79	Left	215					Tie to 7-08
495 XL NB	594+67	595+01	Left	34					Tie to 8-13
495 XL NB	595+04	598+03	Left	299					Tie to 8-03
495 XL NB	598+06	601+05	Left	299					Tie to 8-04
495 XL NB	601+08	603+46	Left	238					Tie to 8-12
495 XL NB	603+49	606+29	Left	280					Tie to 9-13
495 XL NB	606+32	609+22	Left	290					Tie to 9-14
495 XL NB	609+25	612+21	Left	296					Tie to Culvert 9-31 to 9-03
495 XL NB	612+28	612+93	Left	65					Tie to 9-25
495 XL NB	612+96	613+59	Left	63					Tie to 9-23
495 XL SB	193+06	195+43	Right	237					Tie to 8-09
495 XL SB	195+47	198+45	Right	298					Tie to 8-05
495 XL SB	198+49	201+47	Right	298					Tie to 8-06
495 XL SB	201+50	203+89	Right	238					Tie to 8-11
495 XL SB	203+92	206+71	Right	280					Tie to 9-17
495 XL SB	206+74	209+65	Right	290					Tie to 9-18
495 XL SB	209+68	214+02	Right		433				Modified, Tie to 9-22
495 XL SB	214+05	214+66	Right	61					Tie to 9-41
495 XL SB	214+69	215+21	Right	52					Tie to 9-42
495 XL SB	215+23	215+50	Right	27					Tie to UD-4 in A3
495 XL SB	192+50	199+46	Left		700		267		Modified, Tie to 8-07
495 XL SB	199+48	202+06	Left	258			12		Tie to 8-07
495 XL SB	202+16	206+12	Left		398		1		Modified, Tie to EW-12
495 XL SB	206+12	209+61	Left	350			50		Tie to 9-59
LEW Trail	43+87	47+29	Right	343			2		Tie to 9-12
LEW Trail	47+29	49+73	Right	245					Tie to UD-4 in A3
LEW Road	10+69	12+78	Right	208			3		Tie to 6-17
LEW Road	18+01	19+73	Right	191			2		Tie to 6-21
LEW Road	10+68	12+82	Left	219			3		Tie to 6-16
LEW Road	17+95	20+39	Left	244			3		Tie to 6G-02
LEW Road	20+42	22+28	Left	233			3		Tie to 6G-02
Old Dominion Drive	14+41	14+87	Left	60			2		Tie to 9F-02
Old Dominion Drive	18+69	20+30	Left	162			2		Tie to 9-04
Old Dominion Drive	21+91	22+01	Left		10				Tie to 9-41
Old Dominion Drive	22+54	23+26	Left		72				Tie to 9-51
Old Dominion Drive	24+97	25+37	Left	40			4		Tie to 9-09
Old Dominion Drive	25+44	28+28	Left	287			3		Tie to 9H-05
Old Dominion Drive	28+33	28+34	Left/Right			28			Tie to 9H-05 & 9H-07
Old Dominion Drive	28+36	29+86	Left	150			3		Tie to 9H-05
Old Dominion Drive	29+92	31+32	Left	140			2		Tie to 9H-13
Old Dominion Drive	31+49	32+77	Left	128			2		Tie to 9H-12
Old Dominion Drive	32+89	34+75	Left	186			2		Tie to 9H-02
Old Dominion Drive	12+50	15+40	Right	289			2		Tie to 9F-04
Old Dominion Drive	15+40	16+94	Right	153			2		Tie to 9F-05
Old Dominion Drive	17+06	18+64	Right	157			2		Tie to 9-10
Old Dominion Drive	18+65	18+67	Right/Left		32				Tie to 9-04 & 9-10
Old Dominion Drive	18+67	20+32	Right	165			2		Tie to 9-10
Old Dominion Drive	24+92	28+32	Right	341			2		Tie to 9H-07

BASELINE	STATION		LOCATION	UD-4 4" (LF)	UD-4 6" (LF)	CD-2 (LF)	OUTLET PIPE (LF)	EW-12 2"	REMARKS
	FROM	TO							
Old Dominion Drive	28+35	28+71	Right	36			2		Tie to 9H-07
Old Dominion Drive	28+79	32+03	Right	326			2		Tie to 9H-06
Old Dominion Drive	32+19	34+75	Right	256			2		Tie to 9H-04

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

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DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
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Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2J AREA 2

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

Ditch Lining Typical Sections

Typical Ditch								
495XL SB	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
<i>Left</i>								
Ditch A2-17	192+60	to	202+11	1.0	0	2	2	EC-3 Type 1
Ditch A2-18	202+11	to	212+60	1.4	0	2	2	EC-3 Type 1
Ditch A2-19	212+68	to	213+00	0.4	0	2	2	EC-3 Type 1
Ditch A2-20	215+35	to	213+05	0.4	0	2	2	EC-3 Type 1

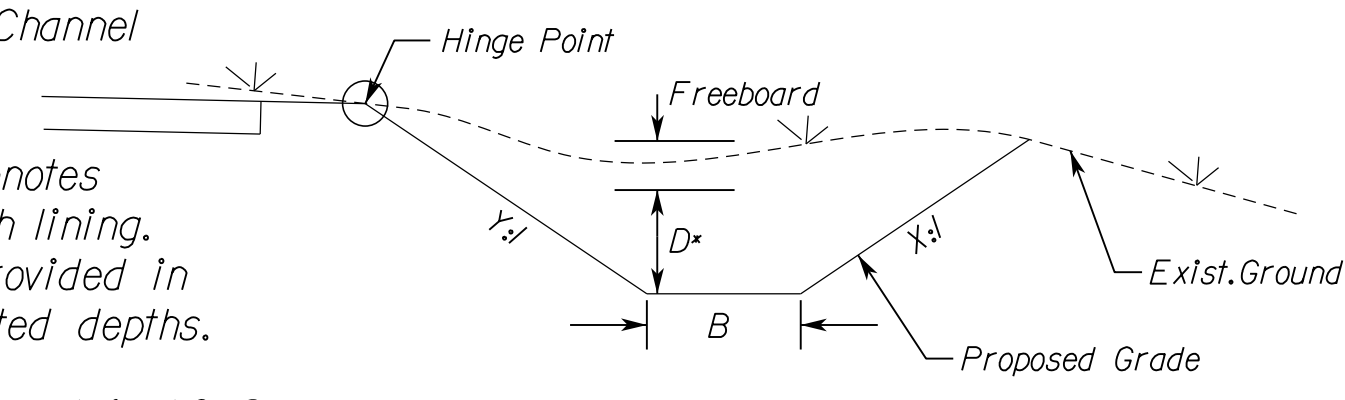
Typical Ditch								
DTR Ramp GIO	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
<i>Right</i>								
Ditch A2-1	18+50	to	19+55	0.7	0	2	2	EC-3 Type 1
Ditch A2-2	20+60	to	19+55	0.4	0	2	2	Concrete
Ditch A2-3	20+60	to	22+35	0.4	0	2	2	Concrete
Ditch A2-4	22+35	to	1080+78	0.8	0	2	2	Concrete & EC-3 Type 1

Typical Ditch								
Scotts Run Trail	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
<i>Right</i>								
Ditch A2-21	10+50	to	11+10	1.6	0	2	2	EC-3 Type 2

Typical Ditch								
Old Dominion Dr	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
<i>Right</i>								
Ditch A2-22	12+50	to	15+50	1.9	0	Var.	Var.	EC-3 Type 1
Ditch A2-24	31+25	to	27+75	1.7	0	2	2	EC-3 Type 1
<i>Left</i>								
Ditch A2-25	15+00	to	16+06	1.5	0	2	2	EC-3 Type 2
Ditch A2-26	16+70	to	20+47	1.8	0	2	2	EC-3 Type 1

Typical Major Channel Section

Proposed Major Channel

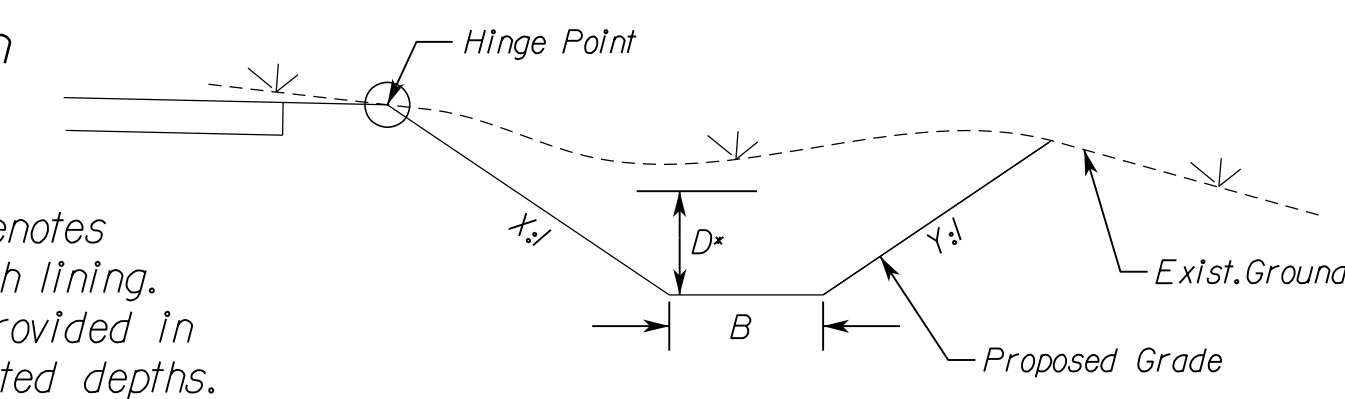


Note: Dimension "D" denotes minimum depth of ditch lining. EC-3 lining shall be provided in accordance with tabulated depths.

**Note: Minimum Freeboard is 1.0 ft

Typical Ditch Section

Proposed Ditch



Note: Dimension "D" denotes minimum depth of ditch lining. EC-3 lining shall be provided in accordance with tabulated depths.

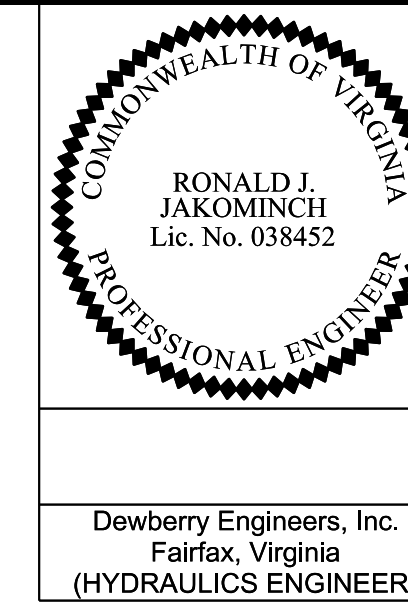
Typical Ditch								
Lewinsville Trail	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
<i>Left</i>								
Ditch A2-5	9+80	to	10+70	0.4	0	2	2	EC-3 Type 1
Ditch A2-6	12+60	to	10+81	0.4	0	2	2	EC-3 Type 1
Ditch A2-7	12+60	to	15+85	0.7	0	2	2	EC-3 Type 1
Ditch A2-8	17+90	to	15+85	0.6	0	2	2	EC-3 Type 1
Ditch A2-9	18+00	to	21+50	0.8	0	2	2	EC-3 Type 1
Ditch A2-10	25+10	to	21+50	0.6	0	2	2	EC-3 Type 1
Ditch A2-11	25+20	to	26+60	0.5	0	2	2	EC-3 Type 1
Ditch A2-12	27+10	to	34+50	0.8	0	2	2	EC-3 Type 1
<i>Right</i>								
Ditch A2-13	13+40	to	15+85	0.3	0	2	2	EC-3 Type 1
Ditch A2-14	18+10	to	15+85	0.3	0	2	2	EC-3 Type 1
Ditch A2-15	18+30	to	21+30	0.3	0	2	2	EC-3 Type 1
Ditch A2-16	24+60	to	21+30	0.3	0	2	2	EC-3 Type 1

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Riprap/Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas, Kougaullis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomlitch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Drainage Descriptions



REVISION	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2K AREA 2

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

Sheet 06		6-09 to 6-03	7' - 24" Storm Sewer Pipe Req'd. (7' Cover) Slit-Tight Joint Type Req'd. Inv(In) 277.0 Inv(out) 276.59	6-17	1 - 18" DI-3B Req'd. L-8" H-6.8' Top-289.61 Inv.-282.82 Type B Nose Req'd. Connect to Exlst. 18" Pipe Connect UD-4 to DI		
Ex. 321	Existing Structure 4 Sq. Yds. Sl'd. EC-3 Type B Outlet Protection Req'd.						
6-01	1 - Sl'd. DI-10H Req'd. L-16" H-4.7' Inv.-296.11 Top-300.57 • 300.75 Type II Req'd. Connect UD-4 to DI	6-10	8.8 Lin.Ft. Precast MH 1 - Sl'd. MH-1 Frame and Cover Req'd. Prop. Top-274.98 Connect to Exlst. 10' x 10' Triple Box Culvert Connect UD-4 to MH	6-18	Modify Existing Structure Remove Ex. Top 1 - Sl'd. T-DI-3B Req'd. L-8" Top-294.21 Type B Nose Req'd.	6-27	1 - Sl'd. DI-10H Req'd. L-14" H-6.2' Inv.-266.60 Top-272.81 Type I Req'd. 1 - Sl'd. IS-1 Req'd.
6-01 to 6-14	26' - 24" Storm Sewer Pipe Req'd. (13' Cover) Slit-Tight Joint Type Req'd. Inv(In) 296.11 Inv(out) 295.98	6-11	1 - Sl'd. DI-5 Type I Grate Req'd. Std. PG-2A Type E Cover H-4.3' Inv.-282.20 Top-286.48 Connect UD-4 to DI	6-19	Modify Existing Structure Remove Ex. Top 1 - Sl'd. T-DI-3B Req'd. L-8" Top-294.31 Type B Nose Req'd.	6-27 to 6-12	47' - 24" Storm Sewer Pipe Req'd. (15' Cover) Slit-Tight Joint Type Req'd. Inv(In) 266.60 Inv(out) 266.30
6-02	1 - Sl'd. DI-10H Req'd. L-18" H-4.4' Inv.-284.35 Top-288.72 Type I Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI	6-11 to 6-04	7 - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 282.20 Inv(out) 282.16	6-20	Modify Existing Structure Remove Ex. Top 1 - Sl'd. T-DI-3B Req'd. L-8" Top-294.31 Type B Nose Req'd.	6-28	1 - Sl'd. DI-10H Req'd. L-18" H-4.6' Inv.-276.61 Top-281.21 Type I Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI
6-02 to 6-13	161' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 284.35 Inv(out) 280.43	6-12	7.2 Lin.Ft. Precast MH 1 - Sl'd. MH-1 Frame and Cover Req'd. Prop. Top-273.83 Inv.-266.00 1 - Sl'd. IS-1 Req'd.	6-21	1 - Sl'd. DI-3B Req'd. L-8" H-7.7' Inv.-294.22 Top-301.91 Type B Nose Req'd. Connect UD-4 to DI	6-28 to 6-05	110' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 276.61 Inv(out) 274.85
6-03	1 - Sl'd. DI-10H Req'd. L-12" H-4.1' Inv.-276.49 Top-280.59 Type I Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI	6-12 to 6-10	41' - 24" Storm Sewer Pipe Req'd. (15' Cover) Slit-Tight Joint Type Req'd. Inv(In) 266.00 Inv(out) 265.48	6-22	1 - Sl'd. DI-10H Req'd. L-10' H-5.6' Inv.-271.48 Top-275.58 • 277.09 Type II Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI	Sheet 66	
6-03 to 6-22	283' - 24" Storm Sewer Pipe Req'd. (13' Cover) Slit-Tight Joint Type Req'd. Inv(In) 276.49 Inv(out) 271.58	6-13	4.1 Lin.Ft. Precast MH 1 - Sl'd. MH-1 Frame and Cover Req'd. Prop. Top-285.10 Inv.-280.33 1 - Sl'd. IS-1 Req'd.	6-23	1 - Sl'd. DI-10H Req'd. L-18" H-13.5' Inv.-259.40 Top-272.91 Type I Req'd. 1 - Sl'd. SL-1 Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI Connect Modified UD-4 to DI	Ex. 329	Existing Structure Special Design EC-1 Outlet Protection Req'd. Type A Installation
6-04	4.1 Lin.Ft. Precast MH 1 - Sl'd. MH-1 Frame and Cover Req'd. Prop. Top-286.83 Inv.-282.06 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI	6-13 to 6-03	185' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 280.33 Inv(out) 276.59	6-22 to 6-10	120' - 24" Storm Sewer Pipe Req'd. (13' Cover) Slit-Tight Joint Type Req'd. Inv(In) 271.48 Inv(out) 270.00	6G-01	Modify Existing Structure Remove Ex. Top 1 - Sl'd. T-DI-3B Req'd. L-8" Top-300.44 Type B Nose Req'd.
6-04 to 6-28	271' - 24" Storm Sewer Pipe Req'd. (13' Cover) Slit-Tight Joint Type Req'd. Inv(In) 282.06 Inv(out) 276.71	6-14	1 - Sl'd. DI-10H Req'd. L-12" H-15.5' Inv.-284.80 Top-300.28 Type I Req'd. 1 - Sl'd. SL-1 Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI	6-23	28' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 259.40 Inv(out) 259.00	6G-02	Modify Existing Structure Remove Ex. Top 1 - Sl'd. T-DI-3B Req'd. L-8" Top-300.37 Type B Nose Req'd. Connect UD-4 to DI
6-05	1 - Sl'd. DI-10H Req'd. L-12" H-5.4' Inv.-273.50 Top-278.85 Type I Req'd. 1 - Sl'd. IS-1 Req'd. Connect UD-4 to DI	6-14 to 6-02	5' - 24" Storm Sewer Pipe Req'd. (11.3' Cover) Slit-Tight Joint Type Req'd. Inv(In) 284.80 Inv(out) 284.72	6-23 to 6-08	6' - 24" Storm Sewer Pipe Req'd. (18' Cover) Slit-Tight Joint Type Req'd. Inv(In) 277.00 Inv(out) 276.71	6G-03	Modify Existing Structure Remove Ex. Top 1 - Sl'd. T-DI-3B Req'd. L-8" Top-300.53 Type B Nose Req'd.
6-05 to 6-07	70' - 24" Storm Sewer Pipe Req'd. (13' Cover) Slit-Tight Joint Type Req'd. Inv(In) 273.50 Inv(out) 272.79	6-15	25' - 10' x 10' Triple Box Culvert Extension (BCE-01, 12' Cover, 39' Skew) Inv(In) (a) • 249.90', (b) • 249.96', (c) • 249.87' Inv(out) (a) • 249.75', (b) • 249.75', (c) • 249.75' Sl'd. BCT-DT, BCT-20, BCW-21, BCW-22 Req'd. 1 - Sl'd. Type 1, 1 - Sl'd. Type 2 Wings Req'd. Excavate 4' Below Bottom of Box Culvert and Backfill with Bedding Material Aggregate *25 or *26 300 CY Minor Structure Excavation 500 Tons Bedding Material Aggregate *25 or *26	6-24 to 6-08	1-Mod. Pre-Cast DI-5 Type I Grate Req'd. Std. PG-2A Type E Cover H-13.5' Inv.-277.00 Top-290.50 1 - Sl'd. SL-1 Req'd.	Sheet 7	11.7 Lin.Ft. Precast MH 1 - Sl'd. MH-1 Frame and Cover Req'd. Prop. Top-276.00 Inv.-263.70 1 - Sl'd. IS-1 Req'd.
6-06	Structure number not assigned.	6-15A	Connect to Exlst. 10' x 10' Triple Box Culvert Inv.(a) • 249.90' Inv.(b) • 249.96' Inv.(c) • 249.87'	6-24 to 6-28	5' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 275.00 Inv(out) 274.80	7-00	15' - 36" Storm Sewer Pipe Req'd. (7' Cover) Slit-Tight Joint Type Req'd. Inv(In) 263.70 Inv(out) 263.60 Excavate 4' Below Bottom of Storm Sewer Pipe and Backfill with Bedding Material Aggregate *25 or *26 8 CY Minor Structure Excavation 14 Tons Bedding Material Aggregate *25 or *26
6-07 to 6-23	278' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 272.69 Inv(out) 268.77	Ex 343 to 6-16	25' - 18" Storm Sewer Pipe Req'd. (13' Cover) Slit-Tight Joint Type Req'd. Inv(In) 283.20 Inv(out) 282.62	6-25	1 - Sl'd. DI-1 Type I Grate Req'd. H-3.9' Inv.-275.00 Top-278.86	7-01	1 - Sl'd. EW-2 (42") Req'd. Inv.-274.50
6-08	1 - Sl'd. ES-1 (24") Req'd. Inv.-259.00 4.0 CY Sl'd. EC-1 Class I Req'd. Type A Installation	6-16	1 - Sl'd. DI-3B Req'd. L-8" H-7.7' Top-290.28 Inv.-282.62 Type B Nose Req'd. Connect to Exlst. 18" Pipe Connect UD-4 to DI	6-25 to 6-05	5' - 24" Storm Sewer Pipe Req'd. (12' Cover) Slit-Tight Joint Type Req'd. Inv(In) 275.00 Inv(out) 274.80	7-01 to 7-11	80' - 60" Storm Sewer Pipe Req'd. (16' Cover) Slit-Tight Joint Type Req'd. Inv(In) 274.50 Inv(out) 274.00 Excavate 4' Below Bottom of Storm Sewer Pipe and Backfill with Bedding Material Aggregate *25 or *26 8 CY Minor Structure Excavation 14 Tons Bedding Material Aggregate *25 or *26
6-09	1 - Sl'd. DI-10H Req'd. L-16" H-8.8' Inv.-277.00 Top-285.81 Type I Req'd. Connect UD-4 to DI			6-26 to 6-27	4' - 18" Storm Sewer Pipe Req'd. (14' Cover) Slit-Tight Joint Type Req'd. Inv(In) 266.94 Inv(out) 266.70		

NOVA DISTRICT

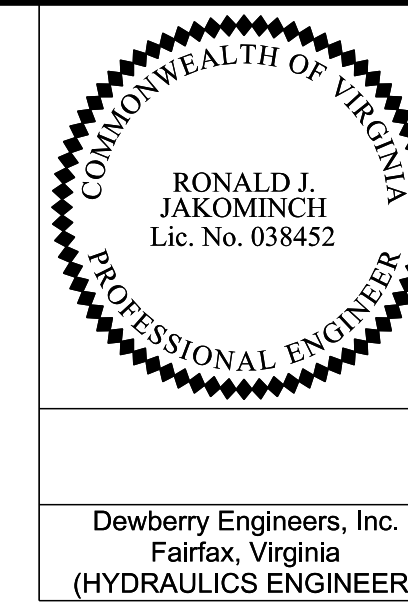
VDOT PROJECT NO.
0495-029-419

SHEET NO.
2K
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rita Pal-Straub, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Drainage Descriptions



Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

Table with columns: REVISED, STATE, ROUTE, STATE, VDOT PROJECT NO., SHEET NO. Values include VA, 495, 0495-029-419 C501 RW201, 2K(1) AREA 2.

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

Main table with columns: Stationing, Description, Structure Number, Notes, and Reference. Contains detailed drainage specifications for various pipe sizes and structures.

NOVA DISTRICT

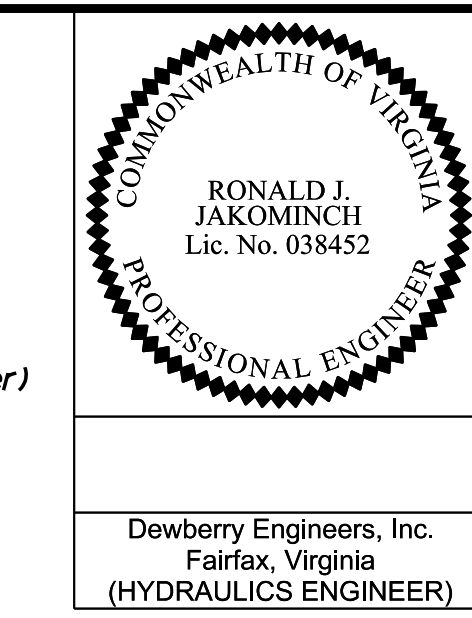
11/1/2022

Summary table with columns: VDOT PROJECT NO., SHEET NO. Values include 0495-029-419, 2K(1) AREA 2.

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - *Ritpal Shah, P.E.* (703) 259-2362
SURVEYED BY, DATE *RDA - Nicholas Kougaull, LS* (703) 334-0837, 12/2021
DESIGN BY *RDA - Darrell Fischer, P.E.* (703) 334-0823
Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE *Accumark - Michael Taylor, LS* (703) 635-3060, 12/2021

Drainage Descriptions



Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2K(2) AREA 2

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

8-13 to 8-03	299' - 24" Storm Sewer Pipe Req'd.(2' Cover) Silt-Tight Joint Type Req'd. Inv(In) 252.74 Inv(out) 250.21	9-04	1 - St'd.DI-3CC Req'd. L-6' H-16.7' Inv.-250.00 Top-266.67 Type B Nose Req'd. 1 - St'd. SL-1 Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI	9-12 to 9-01	37' - 15" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 238.14 Inv(out) 237.90		
8-14	Structure number not assigned.			9-13	1 - St'd.DI-10H Req'd. L-10' H-4.1' Inv.-242.82 Top-246.92 Type I Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI	9-22 to 9-23	11' - 24" Storm Sewer Pipe Req'd.(4' Cover) Silt-Tight Joint Type Req'd. Inv(In) 237.18 Inv(out) 237.00
8-15	1 - St'd.DI-10H Req'd. L-18' H-4.0' Inv.-243.39 Top-247.39 Type I Req'd. Connect UD-4 to DI Connect Modified UD-4 to DI	9-04 to 9-05	25' - 15" Storm Sewer Pipe Req'd.(16' Cover) Silt-Tight Joint Type Req'd. Inv(In) 250.00 Inv(out) 249.33	9-13 to 9-14	290' - 24" Storm Sewer Pipe Req'd.(2' Cover) Silt-Tight Joint Type Req'd. Inv(In) 242.82 Inv(out) 240.34	9-23	1 - St'd.DI-10I Req'd. L-18' H-4.3' Inv.-236.90 Top-241.21 Type I Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI
8-15 to 9-16	283' - 24" Storm Sewer Pipe Req'd.(2' Cover) Silt-Tight Joint Type Req'd. Inv(In) 243.39 Inv(out) 240.86	9-05	16.4 Lin.Fit.Precast MH 1 - St'd.MH-1 Frame and Cover Req'd. Prop.Top-254.00 Inv.-237.00 1 - St'd. SL-1 Req'd. 1 - St'd. IS-1 Req'd.	9-14	1 - St'd.DI-10H Req'd. L-10' H-10.3' Inv.-234.00 Top-244.34 Type I Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI	9-23 to 9-25	63' - 24" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 236.90 Inv(out) 236.45
8-16	Structure number not assigned.	9-05 to 9-06	44' - 15" Storm Sewer Pipe Req'd.(16' Cover) Silt-Tight Joint Type Req'd. Inv(In) 237.00 Inv(out) 236.00	9-14 to 9-14A	297' - 24" Storm Sewer Pipe Req'd.(8' Cover) Silt-Tight Joint Type Req'd. Inv(In) 234.00 Inv(out) 224.65	9-23A	Connect to Ex1st. 7' x 6' Box Culvert Inv.-224.65
8-17	Structure number not assigned	9-06	1 - St'd.ES-1 (15') Req'd. Inv.-236.00 1.56 CY St'd.EC-1 Class I Req'd.Type A Installation	9-14A	Connect to Ex1st. 7' x 6' Box Culvert Inv.-224.65	9-24	Structure number not assigned.
8-18	Structure number not assigned.	9-07	1 - St'd.DI-3B Req'd. L-6' H-4.0' Inv.-261.92 Top-265.93 Type B Nose Req'd. 1 - St'd. IS-1 Req'd.	9-15	1 - St'd.EW-1 (24") Req'd. Inv.-248.50 1.7 CY EC-1 Class I Req'd.Type A Installation	9-25	1 - St'd.DI-10H Req'd. L-14' H-14.4' Inv.-227.00 Top-241.35 Type I Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI
8-19	Structure number not assigned.	9-07 to 9-10	50' - 15" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 261.92 Inv(out) 261.60	9-16	1 - St'd.DI-10H Req'd. L-16' H-4.1' Inv.-240.76 Top-244.86 Type I Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI	9-25 to 9-23A	68' - 24" Storm Sewer Pipe Req'd.(12' Cover) Silt-Tight Joint Type Req'd. Inv(In) 227.00 Inv(out) 224.65
8-20	Structure number not assigned	9-08	1 - St'd.DI-3B Req'd. L-8' H-4.4' Inv.-255.10 Top-259.52 Type B Nose Req'd. 1 - St'd. IS-1 Req'd.	9-16 to 9-56	295' - 24" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 240.76 Inv(out) 239.00	9-26	Structure number not assigned.
8-21	1 - St'd.DI-10H Req'd. L-18' H-6.7' Inv.-249.50 Top-256.17 Type I Req'd. Connect UD-4 to DI	9-08 to 9-21	85' - 15" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 255.10 Inv(out) 252.67	9-17	1 - St'd.DI-10H Req'd. L-10' H-5.4' Inv.-244.50 Top-249.90 Type I Req'd. Connect UD-4 to DI	9-27	Structure number not assigned.
8-21 to 8-22	266' - 24" Storm Sewer Pipe Req'd.(5' Cover) Silt-Tight Joint Type Req'd. Inv(In) 249.50 Inv(out) 247.90	9-09	1 - St'd.DI-3B Req'd. L-6' H-3.9' Inv.-255.61 Top-259.52 Type B Nose Req'd. Connect UD-4 to DI	9-17 to 9-13	11' - 24" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 244.50 Inv(out) 242.92	9-28	Structure number not assigned.
8-22	1 - St'd.DI-10H Req'd. L-14' H-6.0' Inv.-247.80 Top-253.79 Type I Req'd. Connect UD-4 to DI	9-09 to 9-08	29' - 15" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 255.61 Inv(out) 255.20	9-18	1 - St'd.DI-10H Req'd. L-10' H-4.0' Inv.-242.14 Top-246.14 Type I Req'd. Connect UD-4 to DI	9-29	Structure number not assigned.
8-22 to 8-02	277' - 24" Storm Sewer Pipe Req'd.(4' Cover) Silt-Tight Joint Type Req'd. Inv(In) 247.80 Inv(out) 245.60	9-10	1 - St'd.DI-3C Req'd. L-14' H-4.3' Inv.-261.50 Top-265.77 Type B Nose Req'd. 1 - St'd. IS-1 Req'd. Connect UD-4 to DI	9-18 to 9-14	15' - 24" Storm Sewer Pipe Req'd.(4' Cover) Silt-Tight Joint Type Req'd. Inv(In) 242.14 Inv(out) 240.34	9-30	1 - St'd. DI-1 Type I Grate Req'd. Top-233.00 Drop Into 7'x6' Box Culvert
Sheet 9		9-10 to 9-08	29' - 15" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 261.50 Inv(out) 261.20	9-19	Structure number not assigned.	9-31	156' - 7' x 6' Box Culvert Extension (BCE-01,14' Cover) Inv(In) 228.71 Inv(out) 228.04 St'd.BCS-DT,BCS-20,BCW-21 Req'd. 1 Std.Type I Wing,1 Special Design Wing Req'd (Upstream Right Wing Looking Downstream) Maximum Wing Height - 8.30' Minimum Wing Height - 5.80'.Length - 15.00' Excavate 24" below bottom of box culvert and backfill with bedding Material Aggregate *25 or *26 240 CY Minor Structure Excavation 400 Tons Bedding Material Aggregate *25 or *26
9-01	1 - St'd. DI-5 Type I Grate Req'd. Std. PG-2A Type E Cover H-7.7' Inv.-234.30 Top-242.00 Drop Into 7'x6' Box Culvert	9-10 to 9-04	32' - 15" Storm Sewer Pipe Req'd.(4' Cover) Silt-Tight Joint Type Req'd. Inv(In) 261.50 Inv(out) 261.20	9-20	Structure number not assigned.	9-32	Structure number not assigned.
9-02	1 - St'd.DI-3B Req'd. L-8' H-3.9' Inv.-262.13 Top-266.04 Type B Nose Req'd.	9-11	1 - St'd.DI-3B Req'd. L-4' H-3.9' Inv.-262.28 Top-266.19 Type B Nose Req'd.	9-21	1 - St'd.DI-3BB Req'd. L-8' H-8.0' Inv.-249.25 Top-257.25 Type B Nose Req'd. 1 - St'd. IS-1 Req'd.	9-33	Structure number not assigned.
9-02 to 9-10	51' - 15" Storm Sewer Pipe Req'd.(3' Cover) Silt-Tight Joint Type Req'd. Inv(In) 262.13 Inv(out) 261.80	9-11 to 9-04	138' - 15" Storm Sewer Pipe Req'd.(15' Cover) Silt-Tight Joint Type Req'd. Inv(In) 262.28 Inv(out) 260.00	9-21 to 9-15	60' - 24" Storm Sewer Pipe Req'd.(16' Cover) Silt-Tight Joint Type Req'd. Inv(In) 249.25 Inv(out) 248.50	9-34	Structure number not assigned.
9-03	44' - 7' x 6' Box Culvert Extension (BCE-01,7' Cover) Inv(In) 227.28' Inv(out) 227.10' St'd.BCS-DT,BCS-10,BCW-21 Req'd 2 St'd.Type I Wings Req'd. Excavate 6" below bottom of box culvert and backfill with bedding Material Aggregate *25 or *26 69 CY Minor Structure Excavation 115 Tons Bedding Material Aggregate *25 or *26	9-12	1 - St'd. DI-5 Type I Grate Req'd. Std. PG-2A Type E Cover H-3.8' Inv.-238.14 Top-241.97 Connect UD-4 to DI	9-22	1 - St'd.DI-10H Req'd. L-12' H-4.0' Inv.-237.18 Top-241.18 Type I Req'd. Connect Modified UD-4 to DI	9-35	Structure number not assigned.
9-03A	Connect to Ex1st. 7' x 6' Box Culvert Inv.- 227.28'				9-36	Structure number not assigned.	
					9-37	Structure number not assigned.	

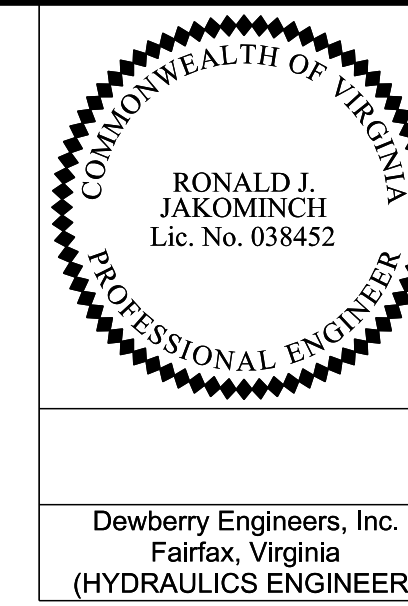
NOVA DISTRICT

VDOT PROJECT NO. 0495-029-419	SHEET NO. 2K(2) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rirapal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugall's, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomlitch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Drainage Descriptions



Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	STATE		SHEET NO.
		ROUTE	VDOT PROJECT NO.	
	VA.	495	0495-029-419 C501 RW201	2K(3) AREA 2

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

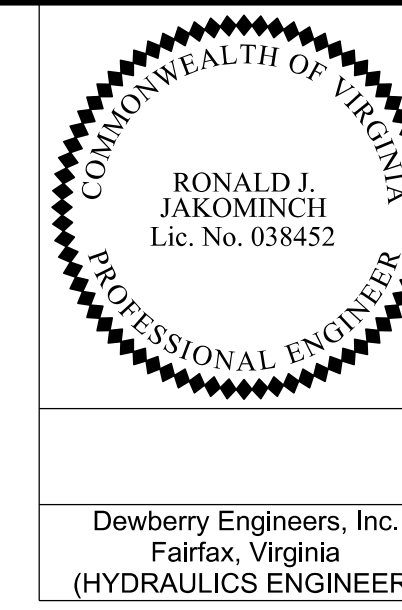
9-38	Structure number not assigned.	9-55	1 - S1'd, DI-10H Req'd. L=12' H=8.7' Inv.=232.00 Top=240.66 Type I Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI	9F-05	1 - S1'd, DI-3B Req'd. L=6' H=4.0' Inv.=263.16 Top=267.17 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI		
9-39	Structure number not assigned.						
9-40	Structure number not assigned.						
9-41	1 - S1'd, DI-10I Req'd. L=20' H=4.0' Inv.=237.01 Top=241.06 Type I Req'd. Connect UD-4 to DI Connect CD-2 to DI	9-55 to 9-55A	58' - 24" Storm Sewer Pipe Req'd. (17' Cover) Silt-Tight Joint Type Req'd. Inv(In) 232.00 Inv(out) 231.50	9F-05 to 9-07	112' - 15" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 263.16 Inv(out) 262.02	9H-07	1 - S1'd, DI-3C Req'd. L=10' H=4.5' Inv.=250.55 Top=255.00 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI Connect CD-2 to DI
9-41 to 9-42	51' - 24" Storm Sewer Pipe Req'd. (12' Cover) Silt-Tight Joint Type Req'd. Inv(In) 237.01 Inv(out) 236.75	9-55A	Connect to 7' X 6' Box Culvert Extension Inv.=231.50	9F-06	Prop. Circ. Culvert 56' - 36" Pipe Culvert Req'd. (13' Cover) 2 - S1'd, 36" ES-1 Req'd. Inv(In) 254.00 Inv(out) 251.00 20.0 CY S1'd, EC-1 Class II Req'd. Type B Installation	9H-07 to 9H-08	29' - 18" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 250.55 Inv(out) 250.00
9-42	1 - S1'd, DI-10H Req'd. L=12' H=4.7' Inv.=236.65 Top=241.27 Type I Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI	9-56	1 - S1'd, DI-10H Req'd. L=16' H=4.7' Inv.=238.90 Top=243.61 Type I Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI	Sheet 9H			
		9-56 to 9-55	152' - 24" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 238.90 Inv(out) 236.66	9H-01	Structure number not assigned.	9H-08	1 - S1'd, DI-3B Req'd. L=6' H=5.2' Inv.=249.90 Top=255.04 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd.
9-42 to 10-17	141' - 24" Storm Sewer Pipe Req'd. (17' Cover) Silt-Tight Joint Type Req'd. Inv(In) 236.65 Inv(out) 233.20	9-57	1 - S1'd, ES-1 (30") Req'd. Inv.=232.14 1 - S1'd, IS-1 Req'd.	9H-02	1 - S1'd, DI-3B Req'd. L=4' H=4.2' Inv.=260.15 Top=264.37 Type I Req'd. Type B Nose Req'd. Connect UD-4 to DI	9H-08 to 9-21	170' - 24" Storm Sewer Pipe Req'd. (16' Cover) Silt-Tight Joint Type Req'd. Inv(In) 249.90 Inv(out) 249.35
9-43	Structure number not assigned.	9-57 to 9-58	100' - 30" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 232.14 Inv(out) 231.50	9H-02 to 9H-03	66' - 15" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 260.15 Inv(out) 256.94	9H-09	Structure number not assigned.
9-44	Structure number not assigned.			9H-03	7.0 Lin.Ft.Precast MH 1 - S1'd, MH-1 Frame and Cover Req'd. Prop.Top=262.03 Inv.=254.40 1 - S1'd, IS-1 Req'd.	9H-10	Structure number not assigned.
9-45	Structure number not assigned.	9-58	1 - S1'd, DI-5 Type I Grate Req'd. Std. PG-2A Type E Cover H=5.4' Inv.=231.40 Top=236.81 1 - S1'd, IS-1 Req'd.	9H-03 to 9H-12	68' - 15" Storm Sewer Pipe Req'd. (16' Cover) Silt-Tight Joint Type Req'd. Inv(In) 254.40 Inv(out) 254.00	9H-11	Structure number not assigned.
9-46	Structure number not assigned.	9-58 to 9-59	20' - 30" Storm Sewer Pipe Req'd. (11' Cover) Silt-Tight Joint Type Req'd. Inv(In) 231.40 Inv(out) 231.25	9H-03 to 9H-12	68' - 15" Storm Sewer Pipe Req'd. (16' Cover) Silt-Tight Joint Type Req'd. Inv(In) 254.40 Inv(out) 254.00	9H-12	1 - S1'd, DI-3B Req'd. L=4' H=6.3' Inv.=253.90 Top=260.14 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI
9-47	Structure number not assigned.			9H-04	1 - S1'd, DI-3B Req'd. L=12' H=7.5' Inv.=255.00 Top=262.49 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI	9H-12 to 9H-13	154' - 15" Storm Sewer Pipe Req'd. (15' Cover) Silt-Tight Joint Type Req'd. Inv(In) 253.90 Inv(out) 252.20
9-48	Structure number not assigned.	9-59	13.7 Lin.Ft.Precast MH 1 - S1'd, MH-1 Frame and Cover Req'd. Prop.Top=245.45 Inv.=231.15 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI	9H-04 to 9H-03	30' - 15" Storm Sewer Pipe Req'd. (17' Cover) Silt-Tight Joint Type Req'd. Inv(In) 255.00 Inv(out) 254.50	9H-13	1 - S1'd, DI-3B Req'd. L=4' H=4.4' Inv.=252.10 Top=256.44 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI
9-49	Structure number not assigned.	9-59 to 9-59A	266' - 30" Storm Sewer Pipe Req'd. (11' Cover) Silt-Tight Joint Type Req'd. Inv(In) 231.15 Inv(out) 229.20	9H-04 to 9H-05	4.0 Lin.Ft.Precast MH 1 - S1'd, MH-1 Frame and Cover Req'd. Prop.Top=255.46 Inv.=250.79 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI Connect CD-2 to DI	9H-13 to 9H-05	155' - 15" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 252.10 Inv(out) 250.89
9-50	1 - S1'd, DI-10H Req'd. L=12' H=4.0' Inv.=234.94 Top=238.94 Type I Req'd. Connect UD-4 to DI			9F-01	Structure number not assigned.		
9-50 to 9-51	43' - 24" Storm Sewer Pipe Req'd. (12' Cover) Silt-Tight Joint Type Req'd. Inv(In) 234.94 Inv(out) 234.50			9F-02	1 - S1'd, DI-3BB Req'd. L=4' H=10.5' Inv.=260.24 Top=270.76 Type B Nose Req'd. Connect UD-4 to DI		
9-51	1 - S1'd, DI-10I Req'd. L=20' H=4.6' Inv.=234.40 Top=238.94 Type I Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI Connect CD-2 to DI	Sheet 9F		9H-05 to 9H-07	28' - 15" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 250.79 Inv(out) 250.65		
9-51 to 9-53	61' - 24" Storm Sewer Pipe Req'd. (14' Cover) Silt-Tight Joint Type Req'd. Inv(In) 234.40 Inv(out) 234.00	9F-02 to 9F-03	25' - 15" Storm Sewer Pipe Req'd. (9' Cover) Silt-Tight Joint Type Req'd. Inv(In) 260.24 Inv(out) 258.00	9H-06	1 - S1'd, DI-3B Req'd. L=6' H=4.3' Inv.=250.84 Top=255.10 Type B Nose Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI		
9-52	Structure number not assigned.			9H-06 to 9H-07	41' - 18" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 250.84 Inv(out) 250.65		
9-53	1 - S1'd, DI-10H Req'd. L=16' H=7.0' Inv.=232.25 Top=239.20 Type I Req'd. 1 - S1'd, IS-1 Req'd. Connect UD-4 to DI	9F-03	1 - S1'd, Storm Sewer (15") Req'd. Inv.=258.00 117 CY S1'd, EC-1 Class I Req'd. Type A Installation				
9-53 to 9-54	13' - 24" Storm Sewer Pipe Req'd. (14' Cover) Silt-Tight Joint Type Req'd. Inv(In) 232.25 Inv(out) 232.00	9F-04	1 - S1'd, DI-3B Req'd. L=6' H=4.3' Inv.=265.53 Top=269.86 Type B Nose Req'd. Connect UD-4 to DI				
9-54	1 - S1'd, ES-1 (24") Req'd. Inv.=232.00 4.0 CY S1'd, EC-1 Class I Req'd. Type A Installation	9F-04 to 9F-05	150' - 15" Storm Sewer Pipe Req'd. (13' Cover) Silt-Tight Joint Type Req'd. Inv(In) 265.53 Inv(out) 263.26				

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull, LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakominch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS, (703) 635-3060, 12/2021

Drainage Descriptions



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2K(4) AREA 2

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

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
495 EXPRESS LANES	X					X	X	X
495 GENERAL PURPOSE LANES	X					X	X	X
INTERCHANGE RAMPS	X					X	X	X
GEORGETOWN PIKE	X					X	X	X
BALLS HILL ROAD	X					X	X	X

ALLOWABLE TYPE OF PIPE CULVERT (UNLESS OTHERWISE SHOWN IN DRAINAGE DESCRIPTIONS)
 (SEE ROAD AND BRIDGE STANDARD PC-1 FOR HEIGHT OF COVER LIMITATIONS FOR EACH TYPE)

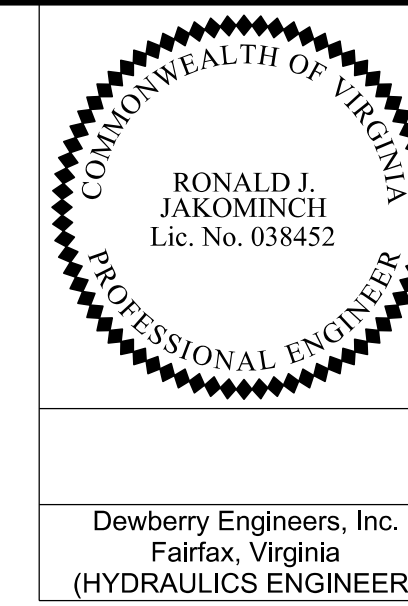
LOCATION	CONCRETE	ALUMINUM COATED TYPE 2 CORRUGATED STEEL	POLYMER COATED (10/10) CORRUGATED STEEL	UNCOATED GALVANIZED CORRUGATED STEEL	GALVANIZED STEEL STRUCTURAL PLATE	GALVANIZED STEEL STRUCTURAL PLATE WITH THICKENED INVERT	CORRUGATED ALUMINUM ALLOY	CORRUGATED ALUMINUM ALLOY STRUCTURAL PLATE	POLYVINYLCHLORIDE (PVC) RIBBED PIPE (SMOOTH INTERIOR)	POLYETHYLENE (PE) CORRUGATED TYPE C	POLYETHYLENE (PE) CORRUGATED TYPE S	POLYPROPYLENE (PP) TYPE D OR S
495 EXPRESS LANES	X								X	X	X	X
495 GENERAL PURPOSE LANES	X								X	X	X	X
INTERCHANGE RAMPS	X								X	X	X	X
GEORGETOWN PIKE	X								X	X	X	X
BALLS HILL ROAD	X								X	X	X	X
ENTRANCE	X								X		X	X
DI-13 *See PH-1(104.37) in the Road and Bridge Standards				X								

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Drainage Profiles



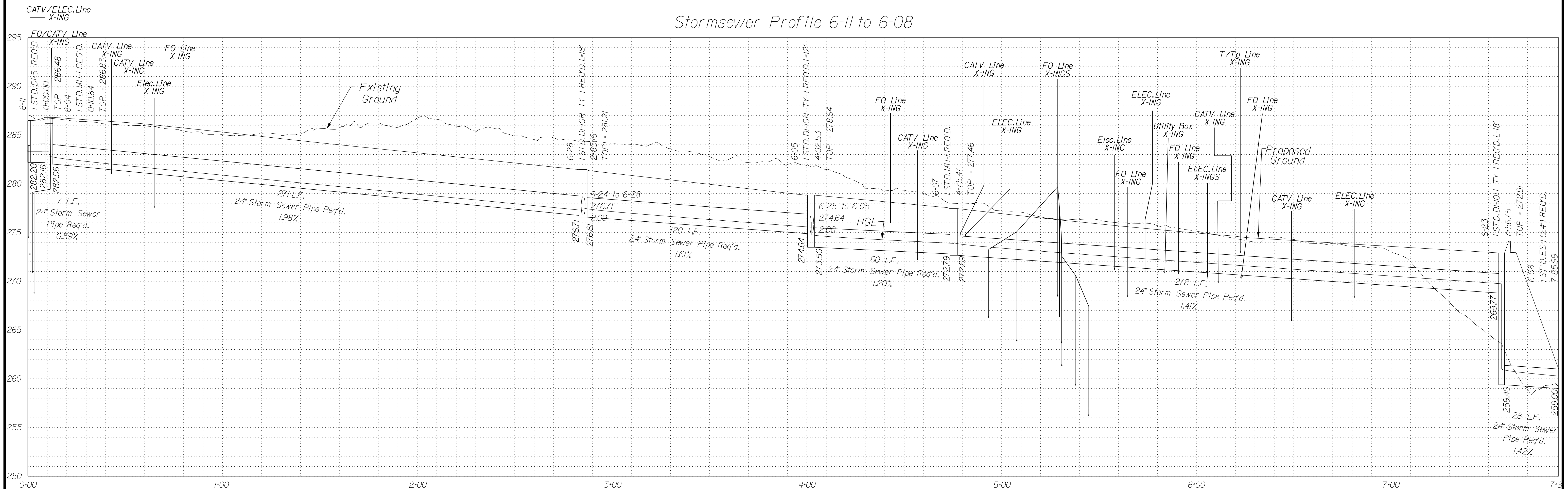
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2L AREA 2

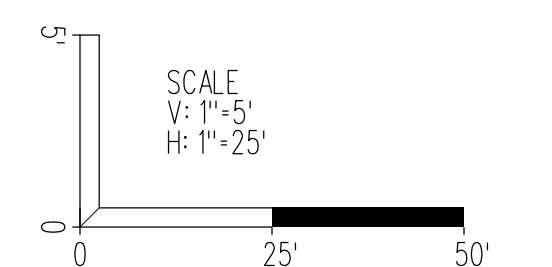
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

Stormsewer Profile 6-11 to 6-08



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.

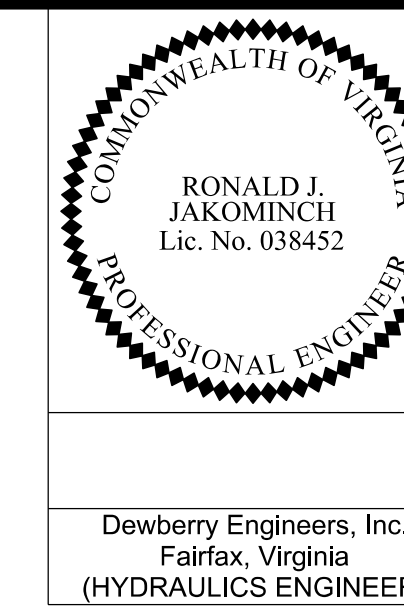


SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rita Pal-Straub, PE, (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakominch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021



Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

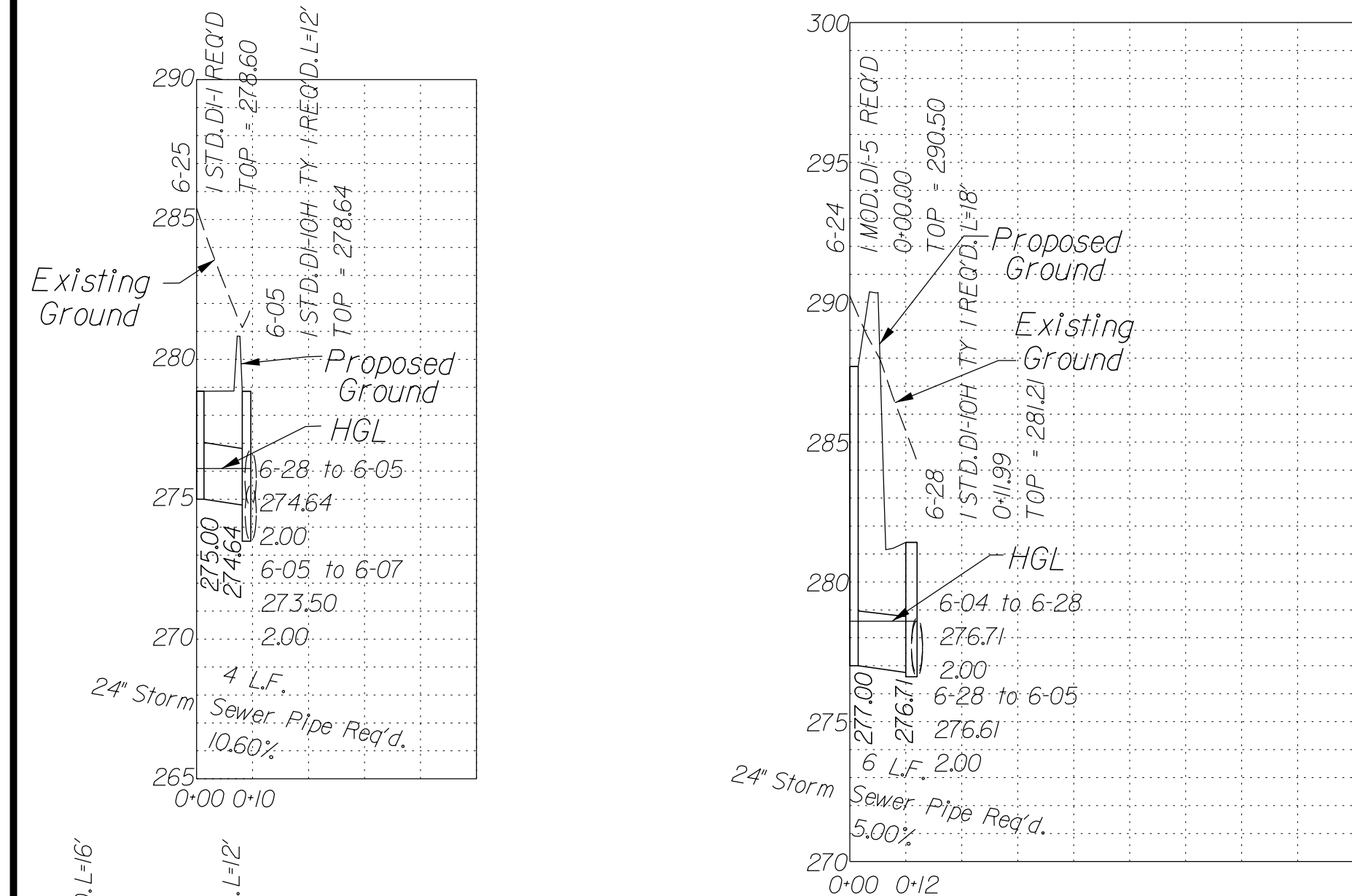
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2L(1) AREA 2

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

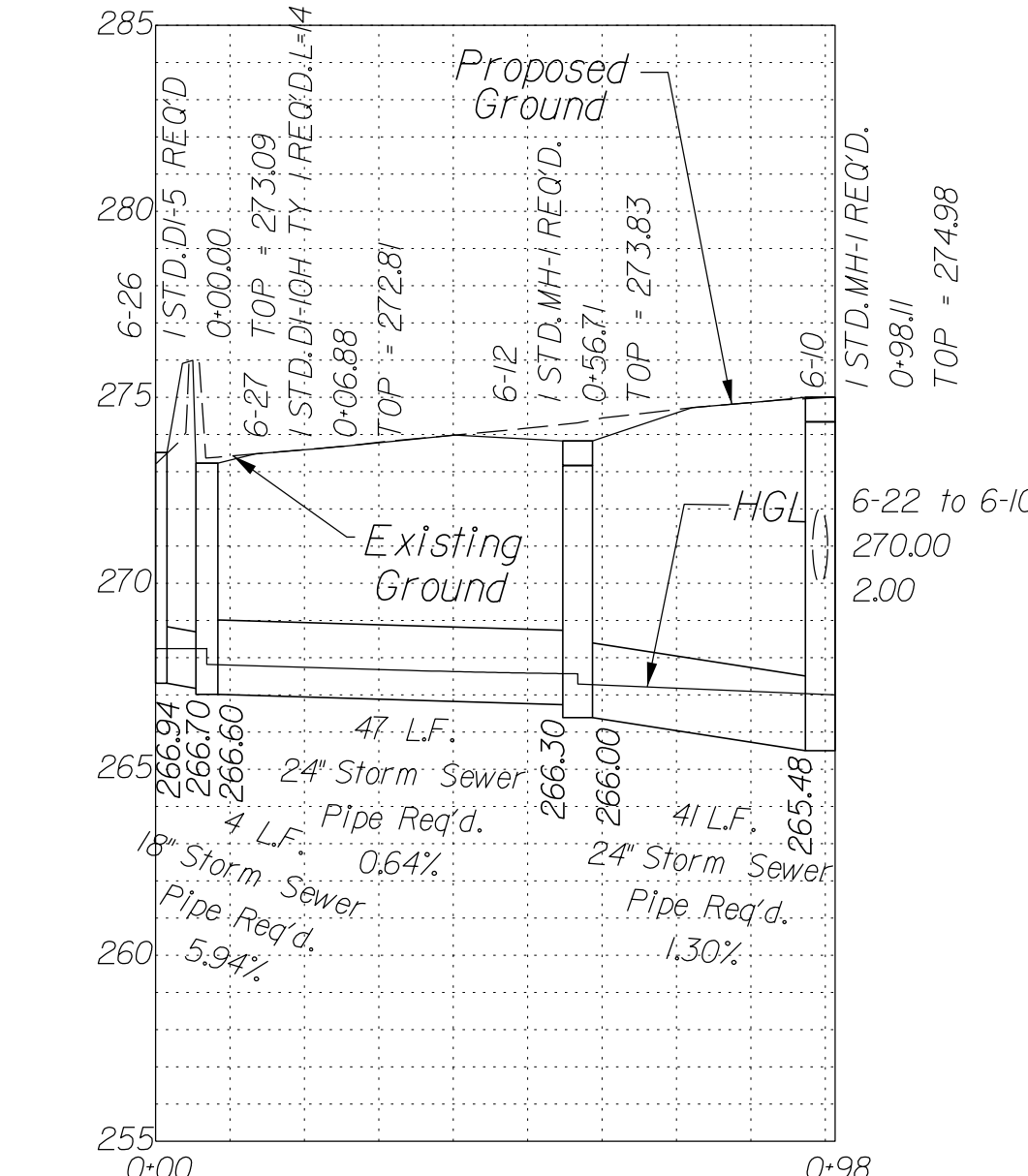
Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

Drainage Profiles

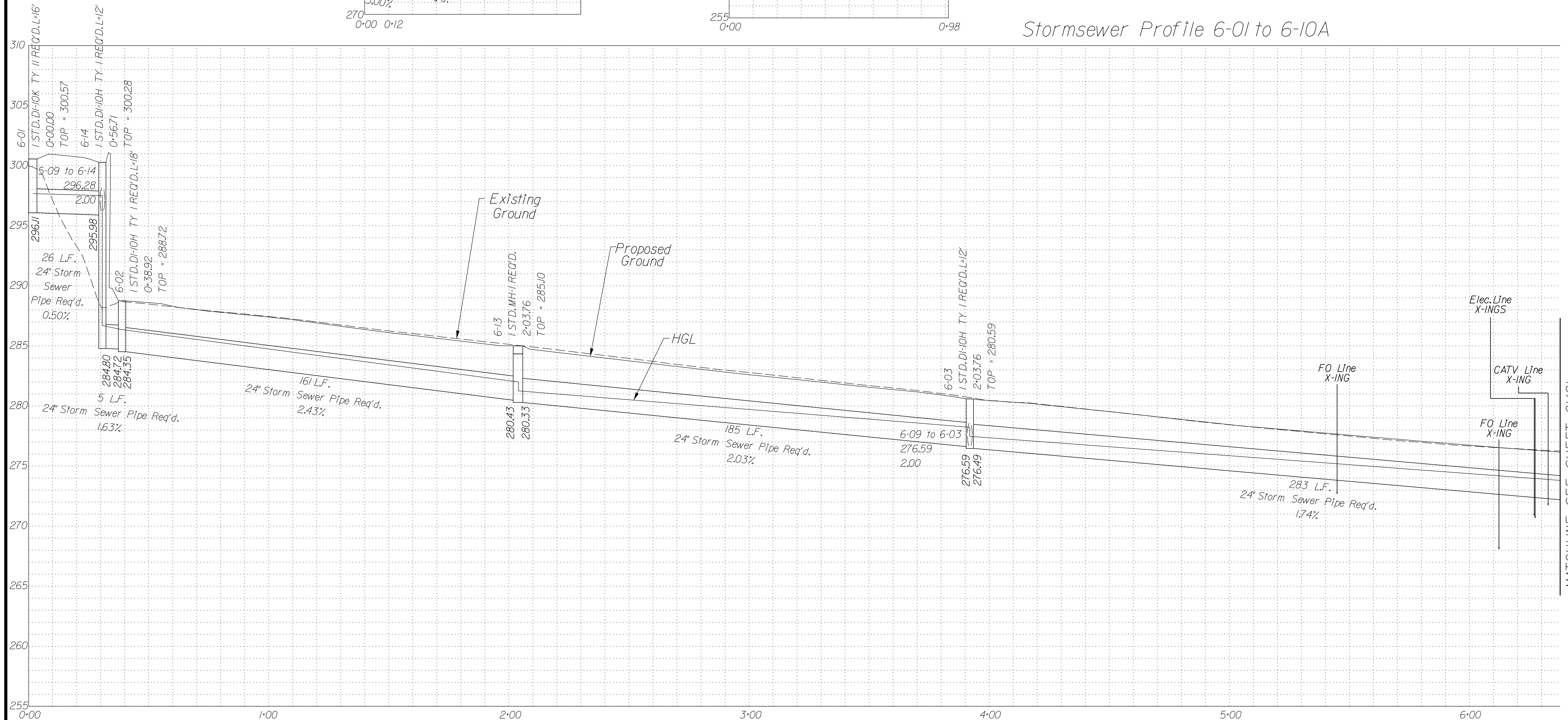
Stormsewer Profile 6-25 to 6-05 Stormsewer Profile 6-24 to 6-28



Stormsewer Profile 6-26 to 6-10A



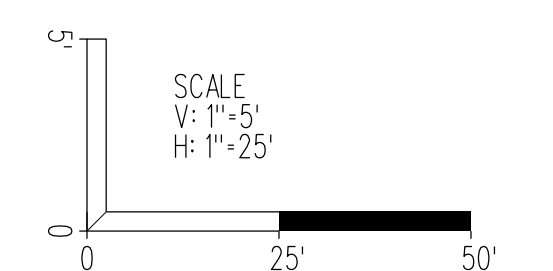
Stormsewer Profile 6-01 to 6-10A



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.

NOVA DISTRICT

MATCHLINE SEE SHEET 2L(2)

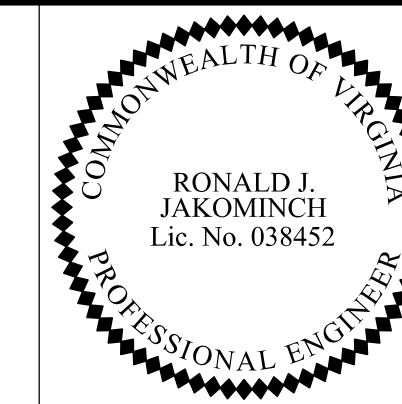


SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(1) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugall's LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer PE, (703) 334-0823
 Dewberry - Ron Jakominch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor LS, (703) 635-3060, 12/2021

Drainage Profiles



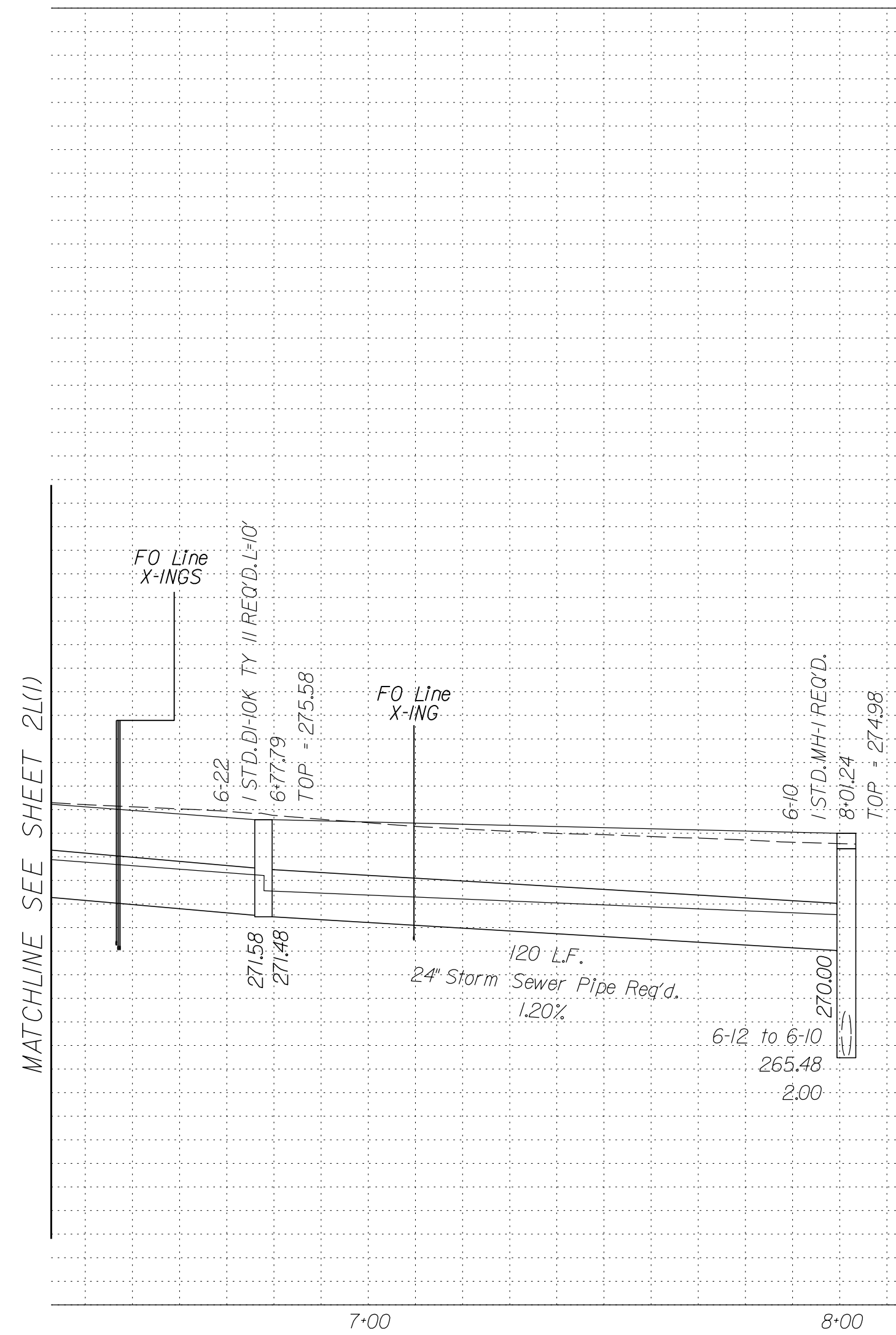
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2L(2) AREA 2

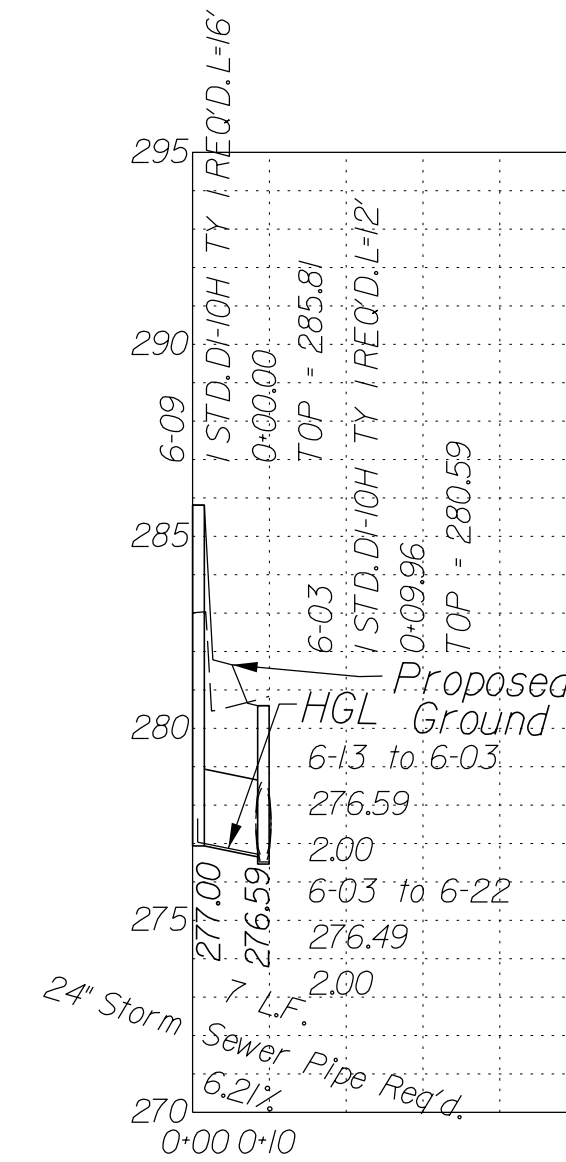
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

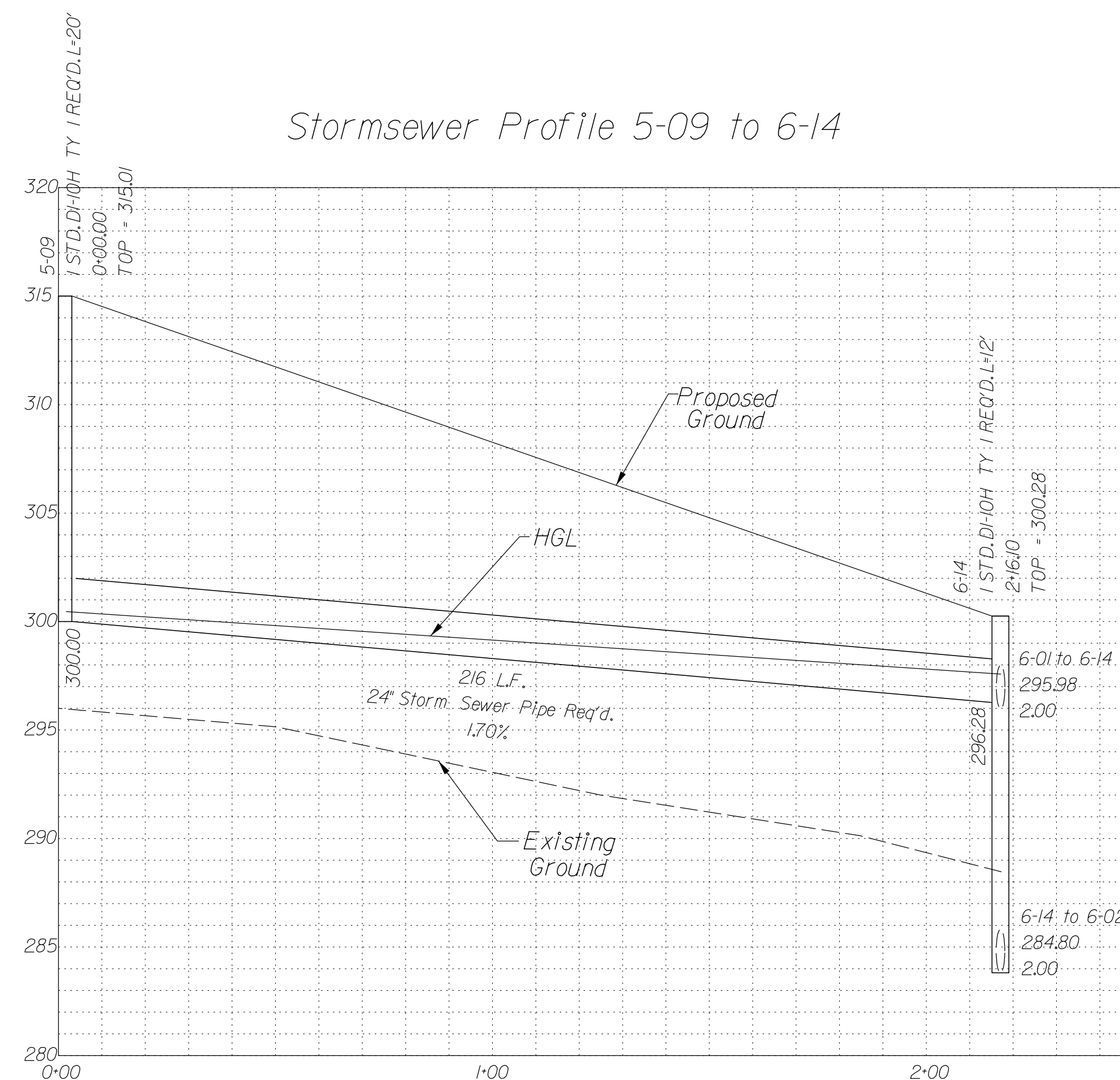
Stormsewer Profile 6-01 to 6-10A



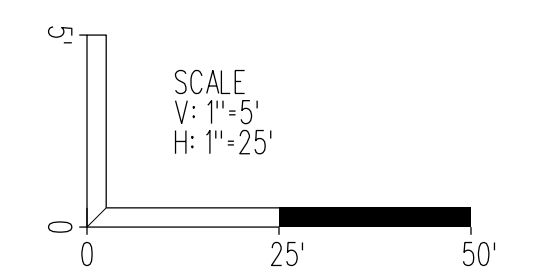
Stormsewer Profile 6-09 to 6-03



Stormsewer Profile 5-09 to 6-14



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.

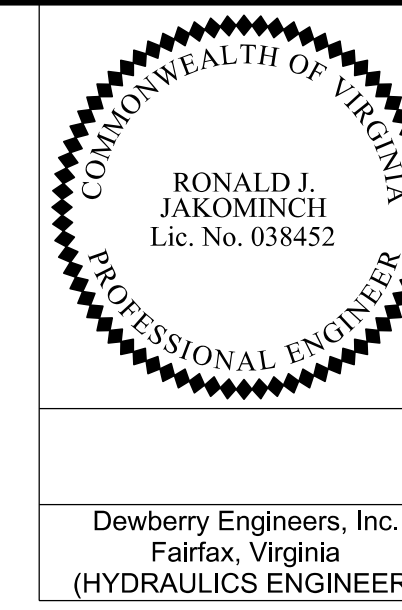


SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(2) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomlitch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2/2021



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

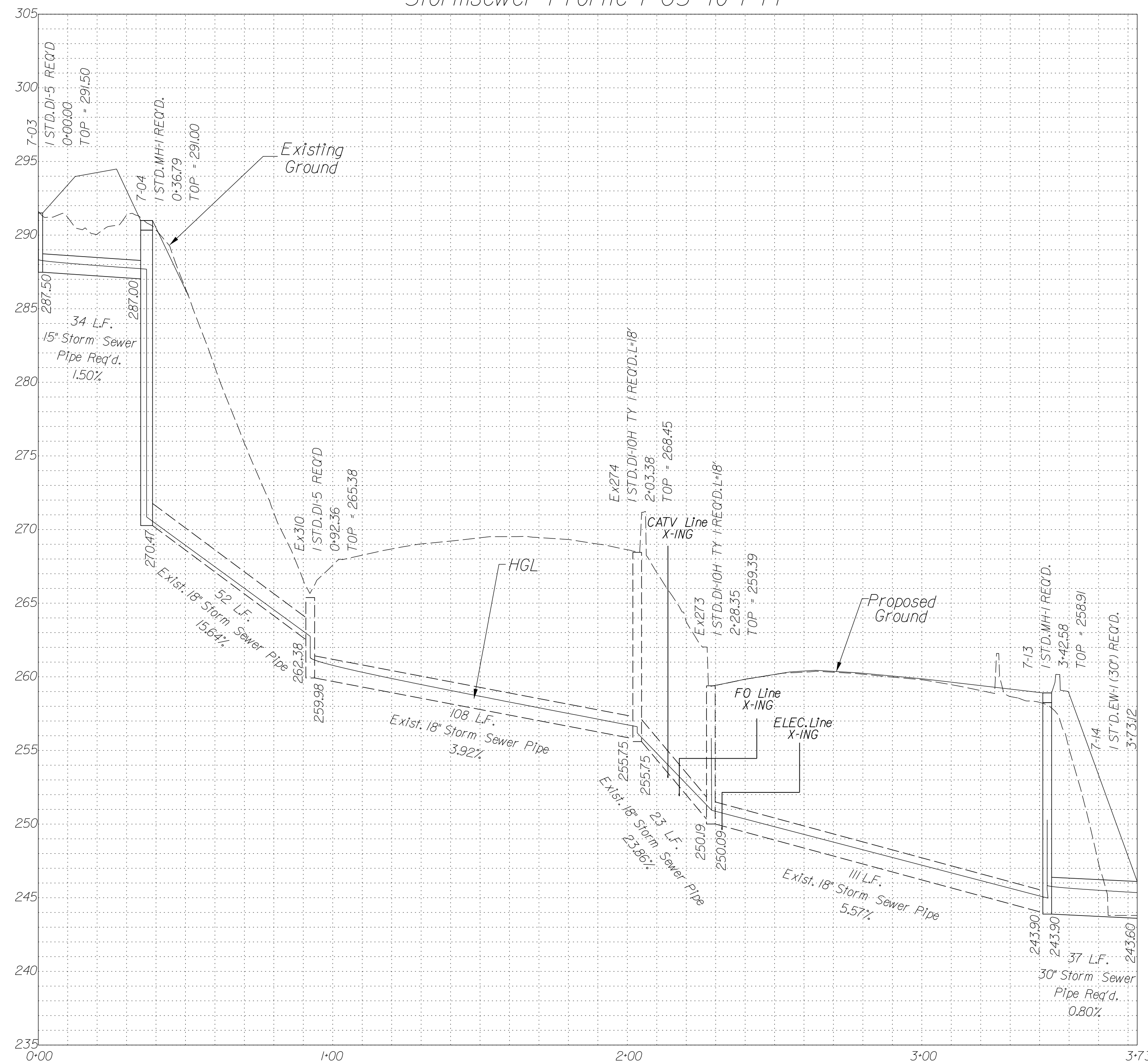
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	21(3) AREA 2

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

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

Drainage Profiles

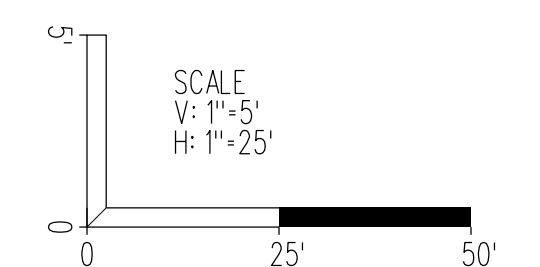
Stormsewer Profile 7-03 to 7-14



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.

NOVA DISTRICT

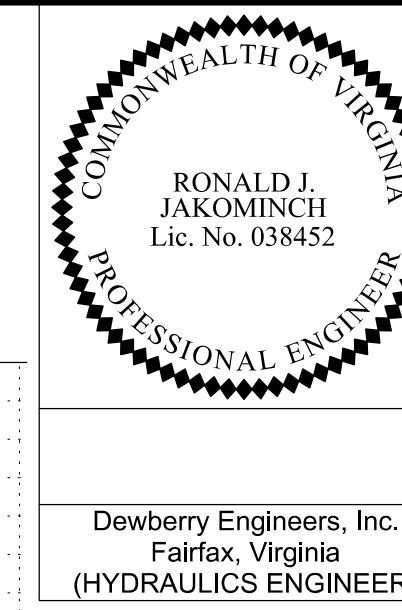
12/16/2022



SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 21(3) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rita Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2/2021



Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

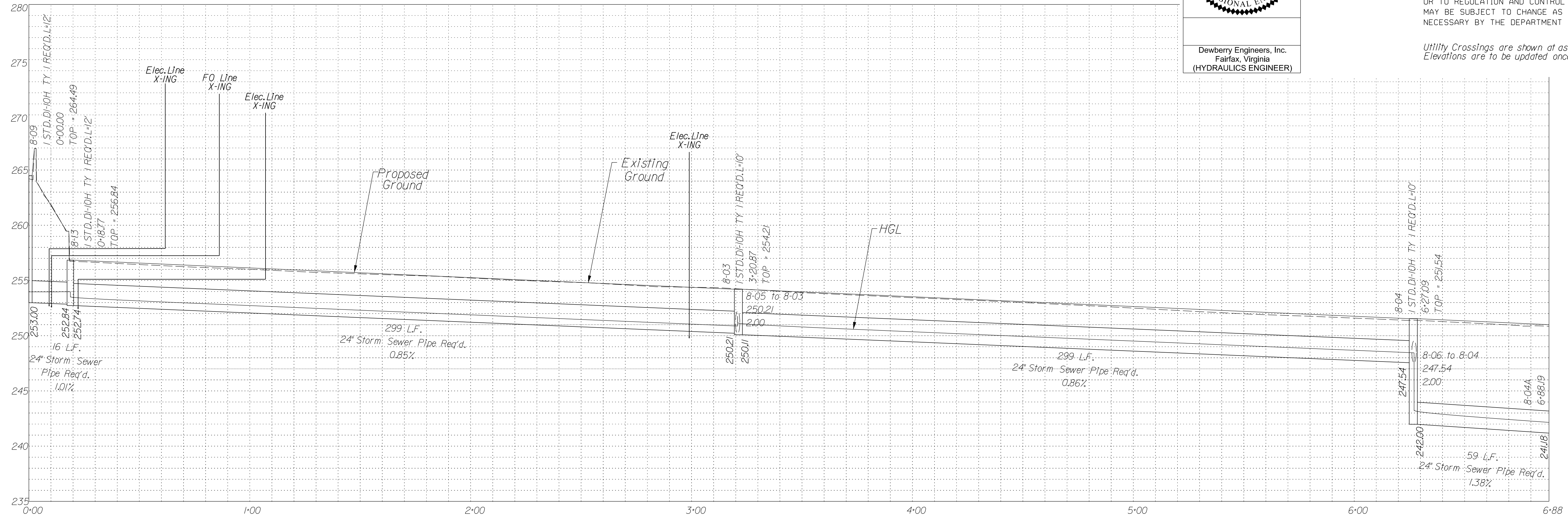
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2L(4) AREA 2

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

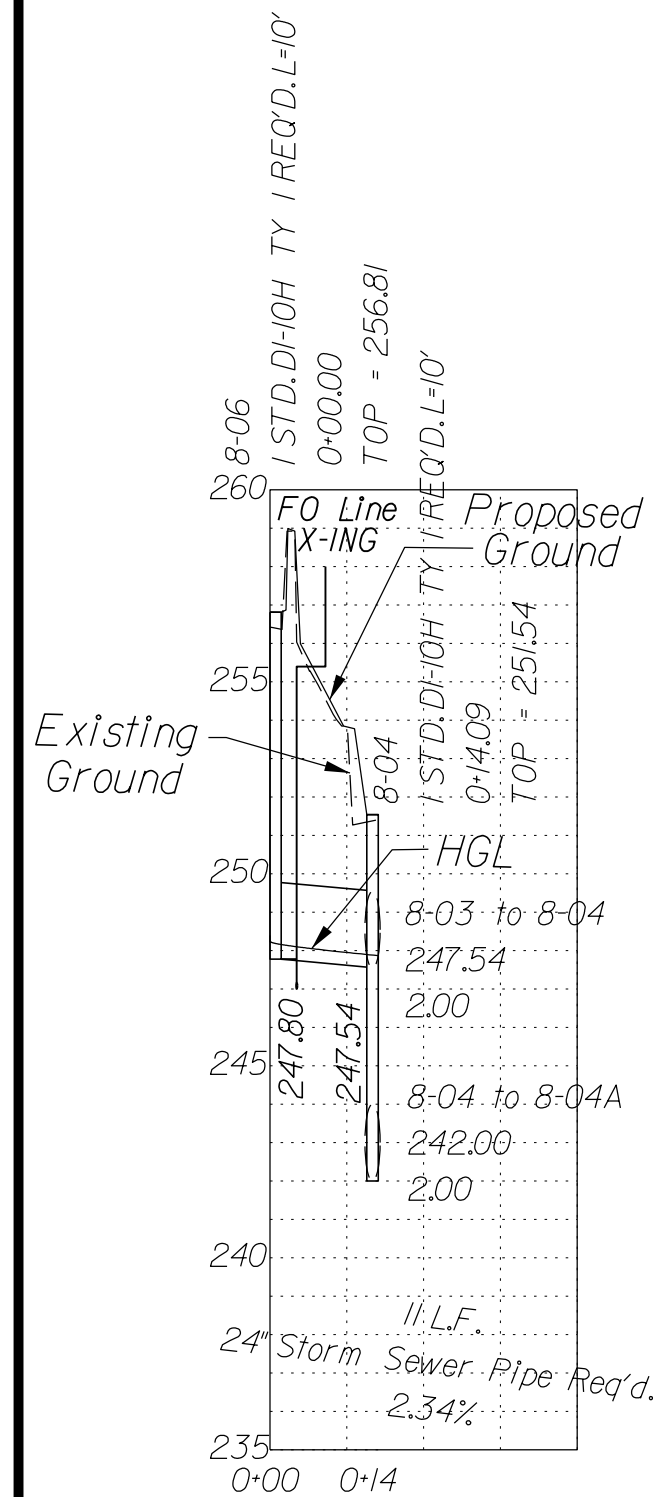
Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

Drainage Profiles

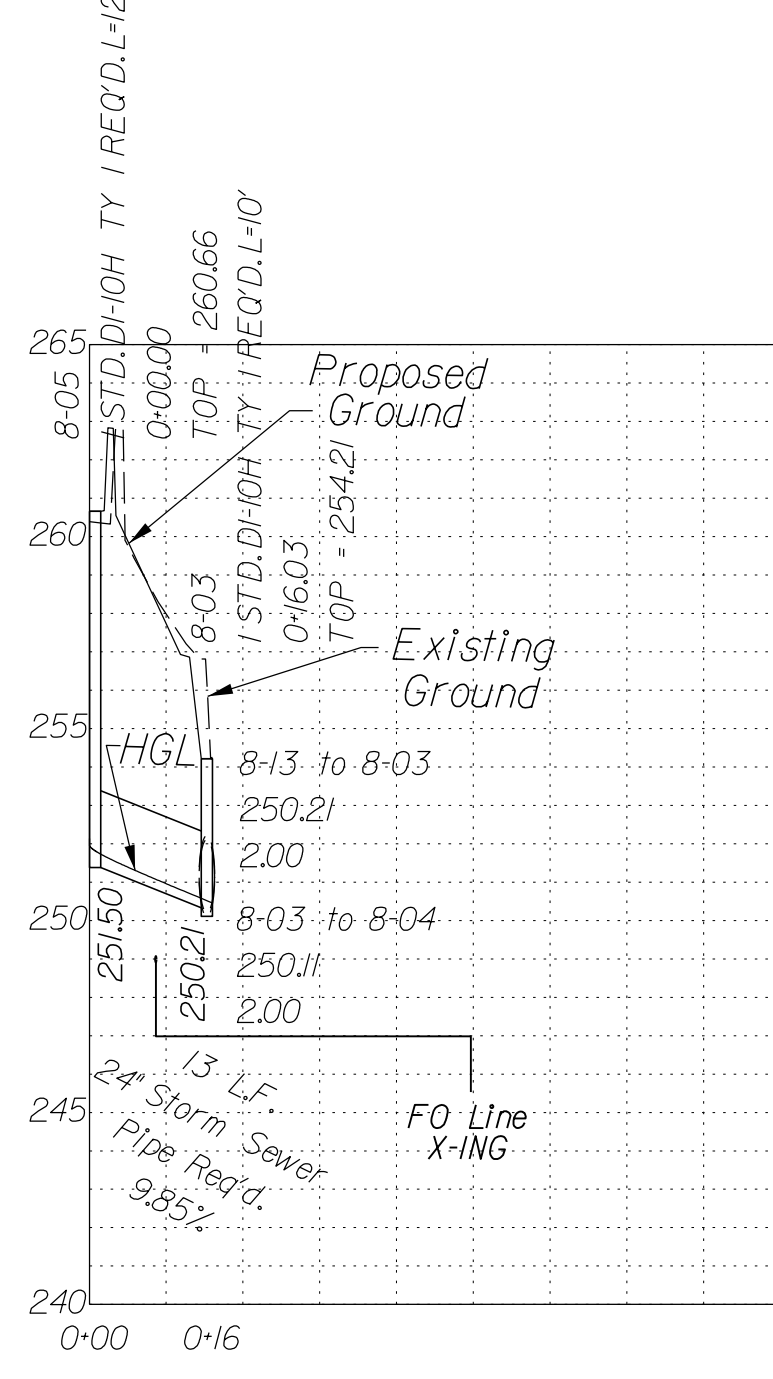
Stormsewer Profile 8-09 to 8-04A



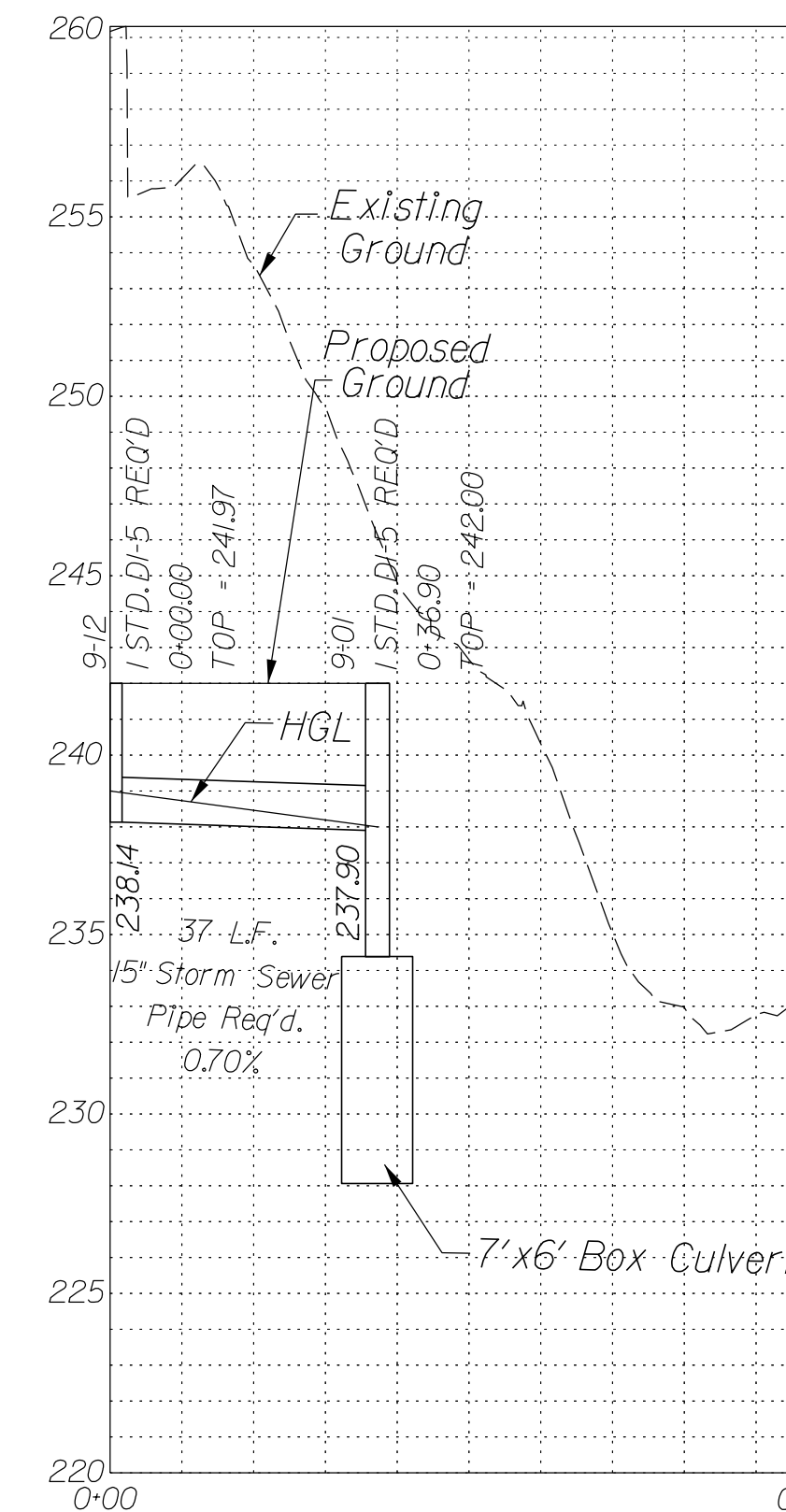
Stormsewer Profile 8-06 to 8-04



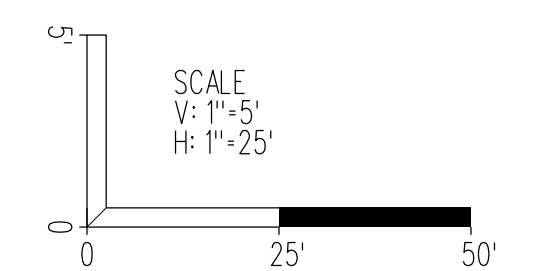
Stormsewer Profile 8-05 to 8-03



Stormsewer Profile 9-12 to 9-01



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



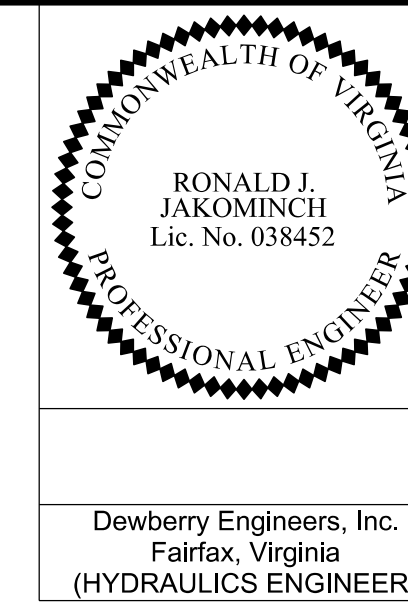
SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(4) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - *Ritapal Shah, PE, (703) 259-2362*
 SURVEYED BY, DATE *RDA - Nicholas Kaugall's, LS, (703) 334-0837, 12/2021*
 DESIGN BY *RDA - Darrell Fischer, PE, (703) 334-0823*
 SUBSURFACE UTILITY BY, DATE *Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021*

Drainage Profiles



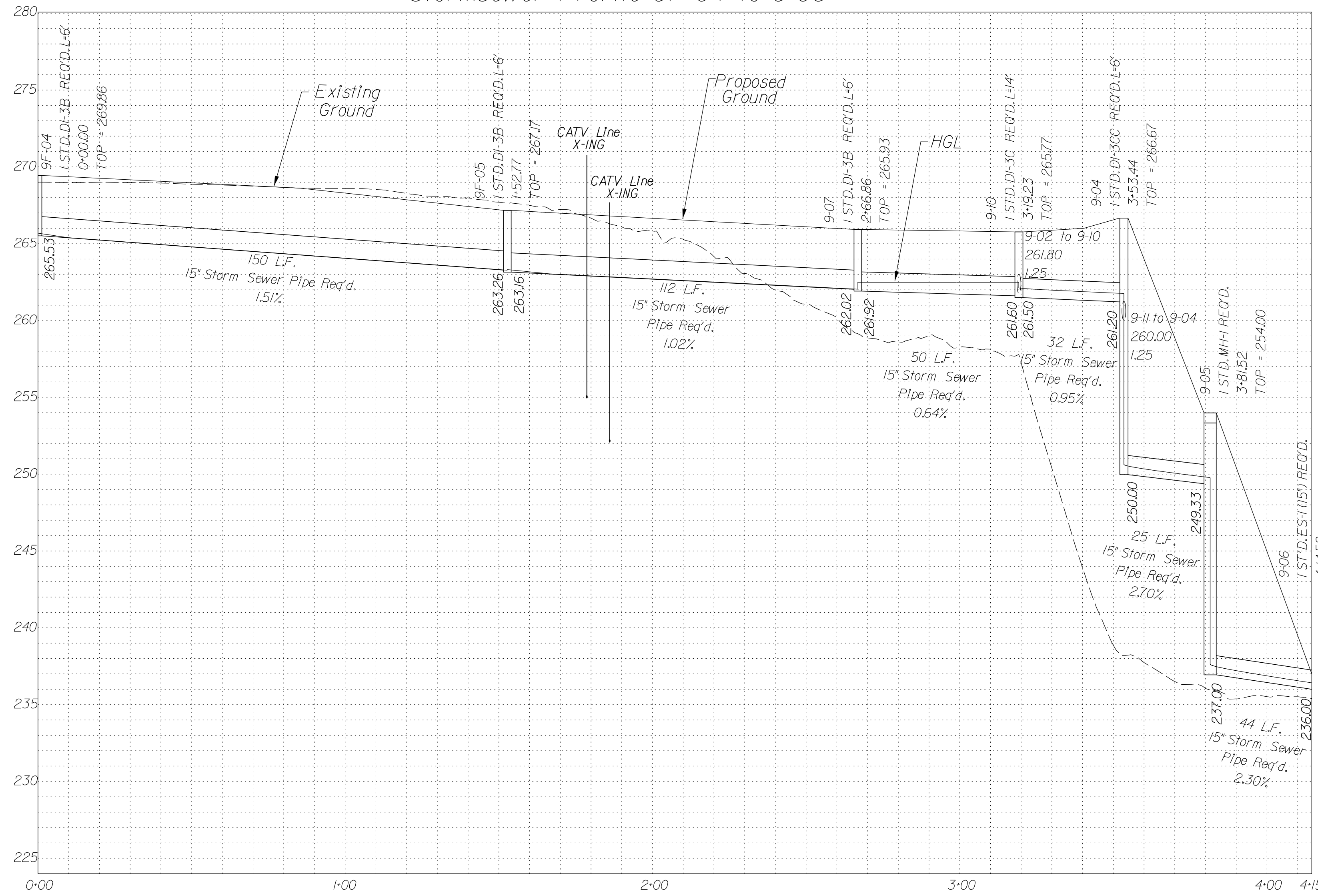
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	21(5) AREA 2

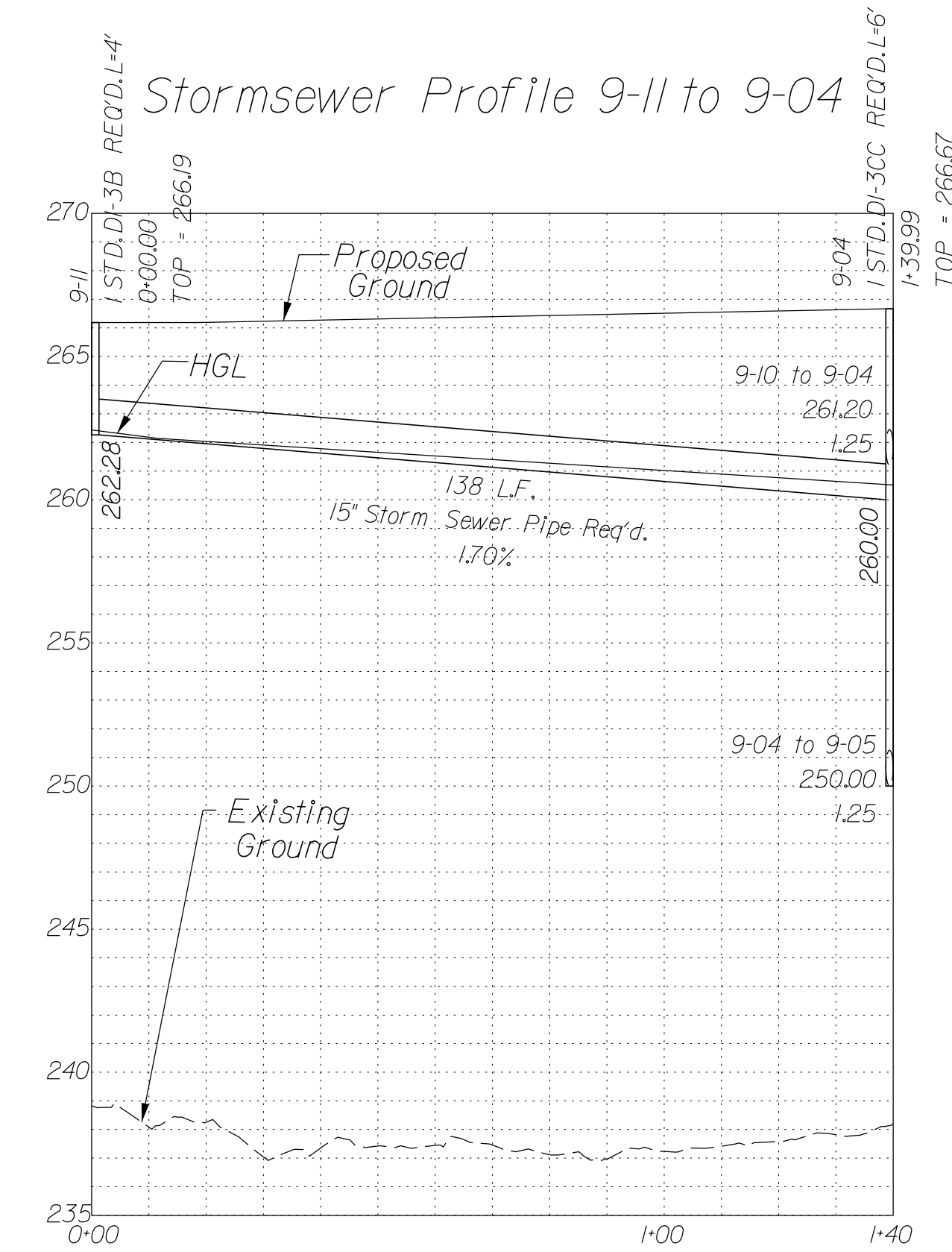
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

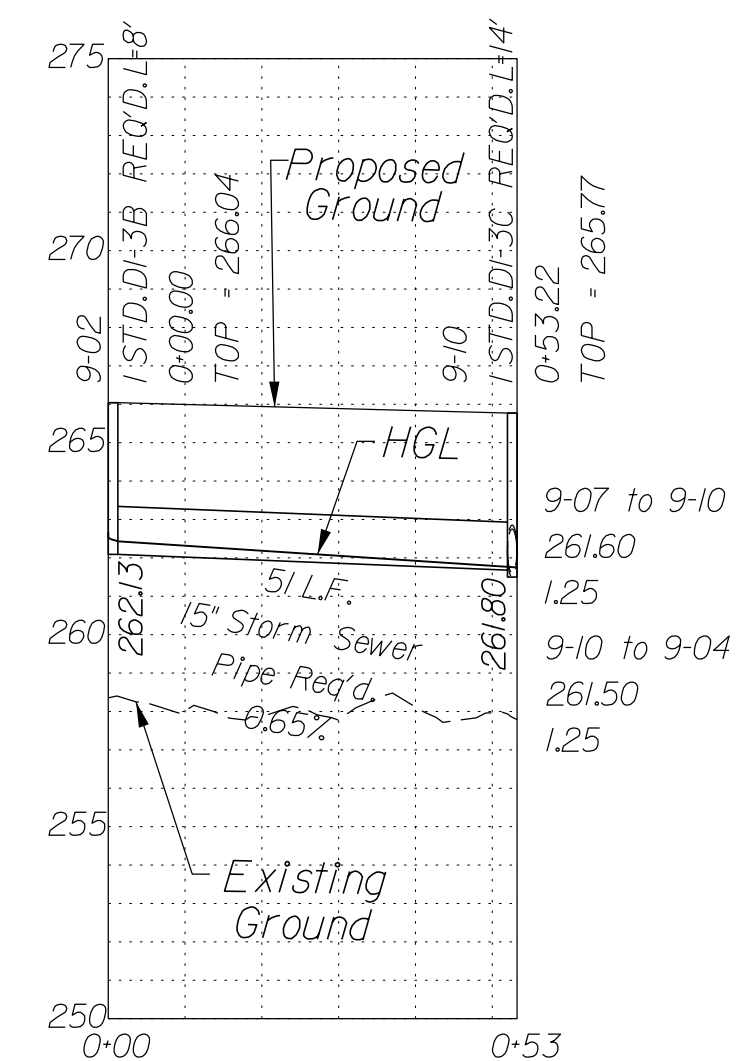
Stormsewer Profile 9F-04 to 9-06



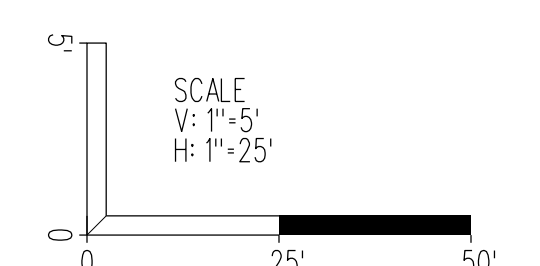
Stormsewer Profile 9-11 to 9-04



Stormsewer Profile 9-02 to 9-10



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



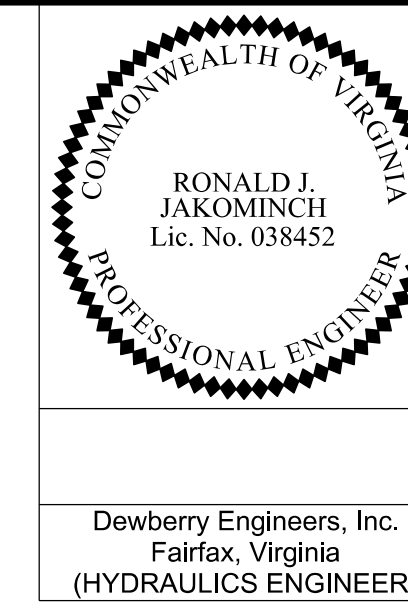
SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 21(5) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2/2021
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS (703) 635-3060, 12/2/2021

Drainage Profiles



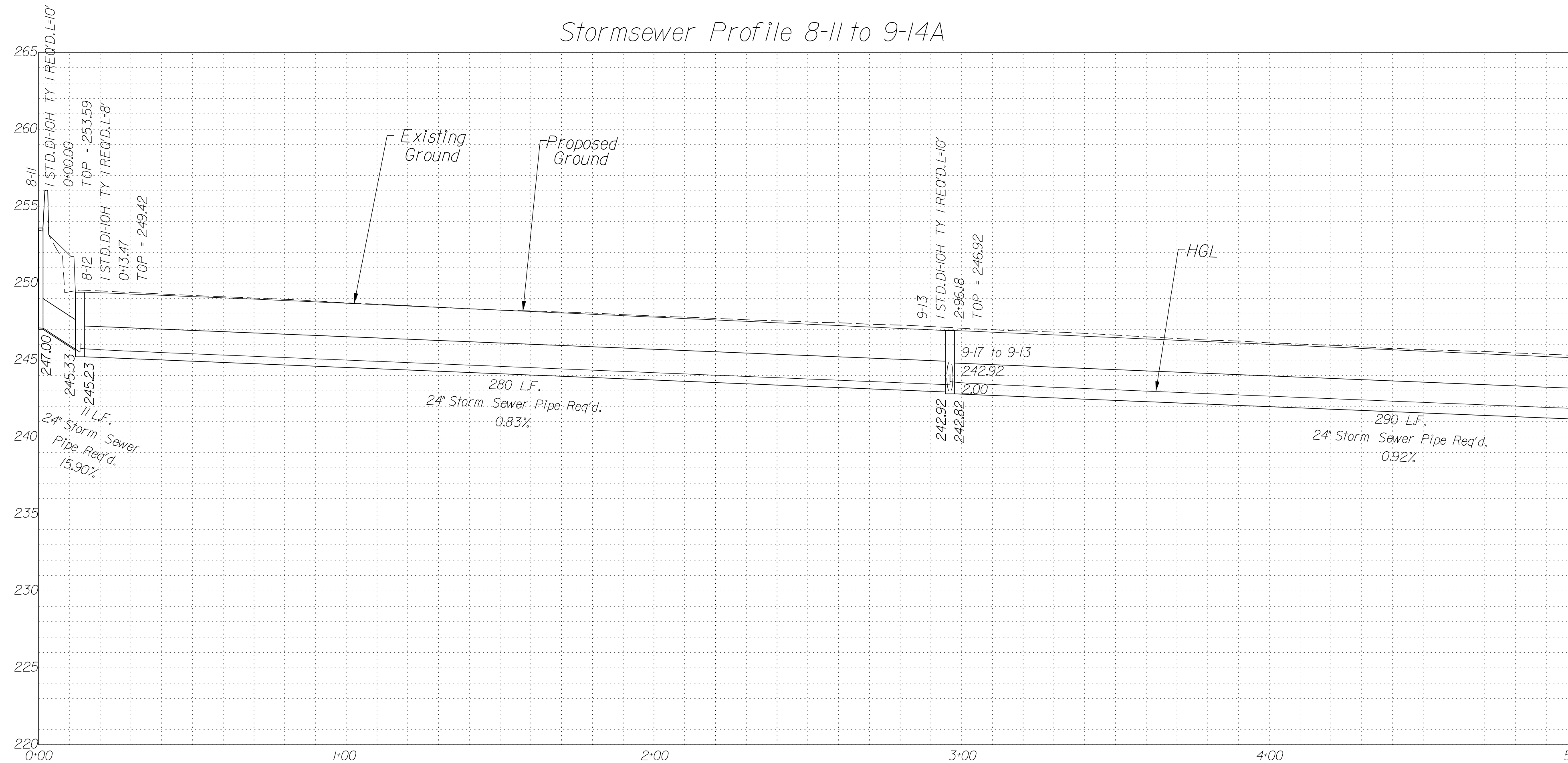
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2L(6) AREA 2

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

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

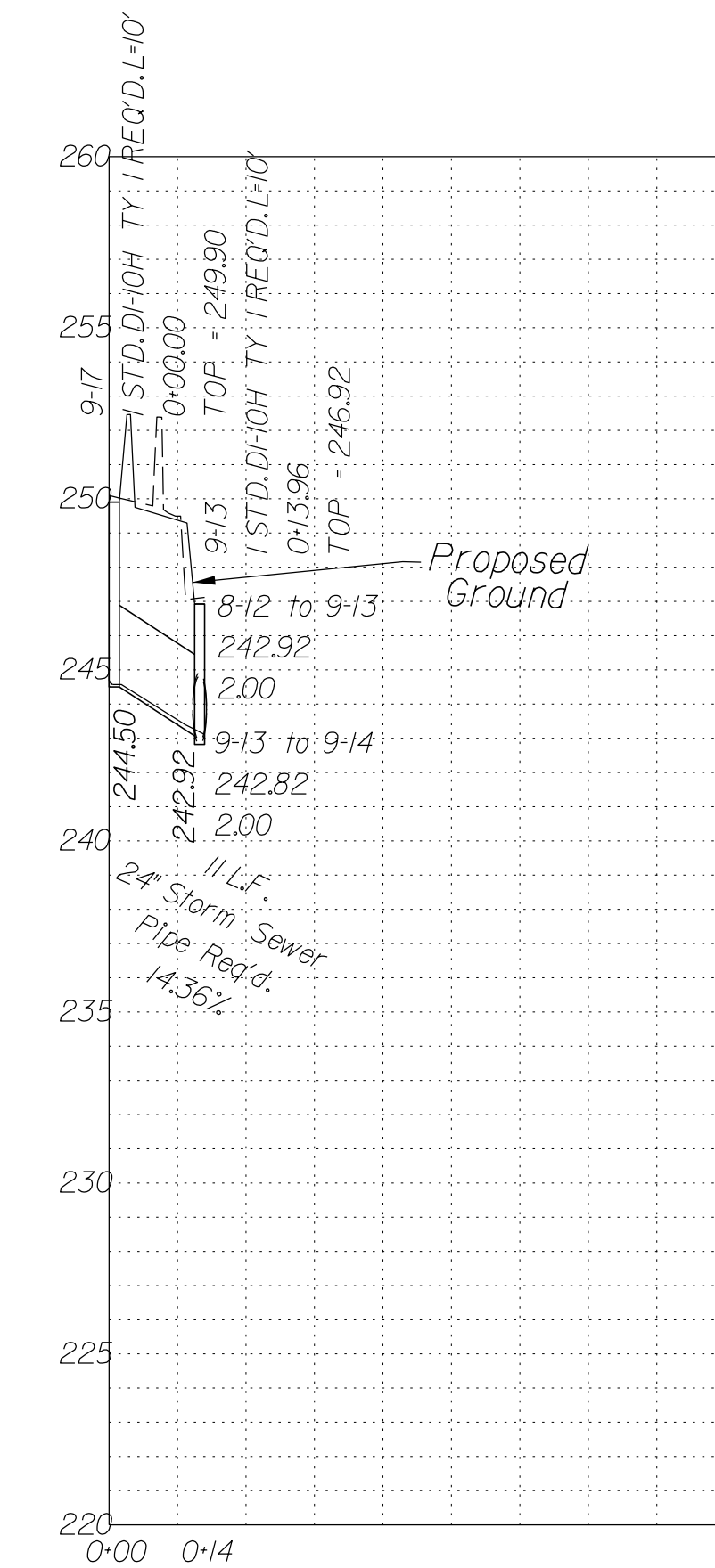
In addition to the visual inspection performed by the Department during the initial installation of storm sewer pipes and pipe culverts, a post installation visual/video camera inspection shall be conducted by the Contractor on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



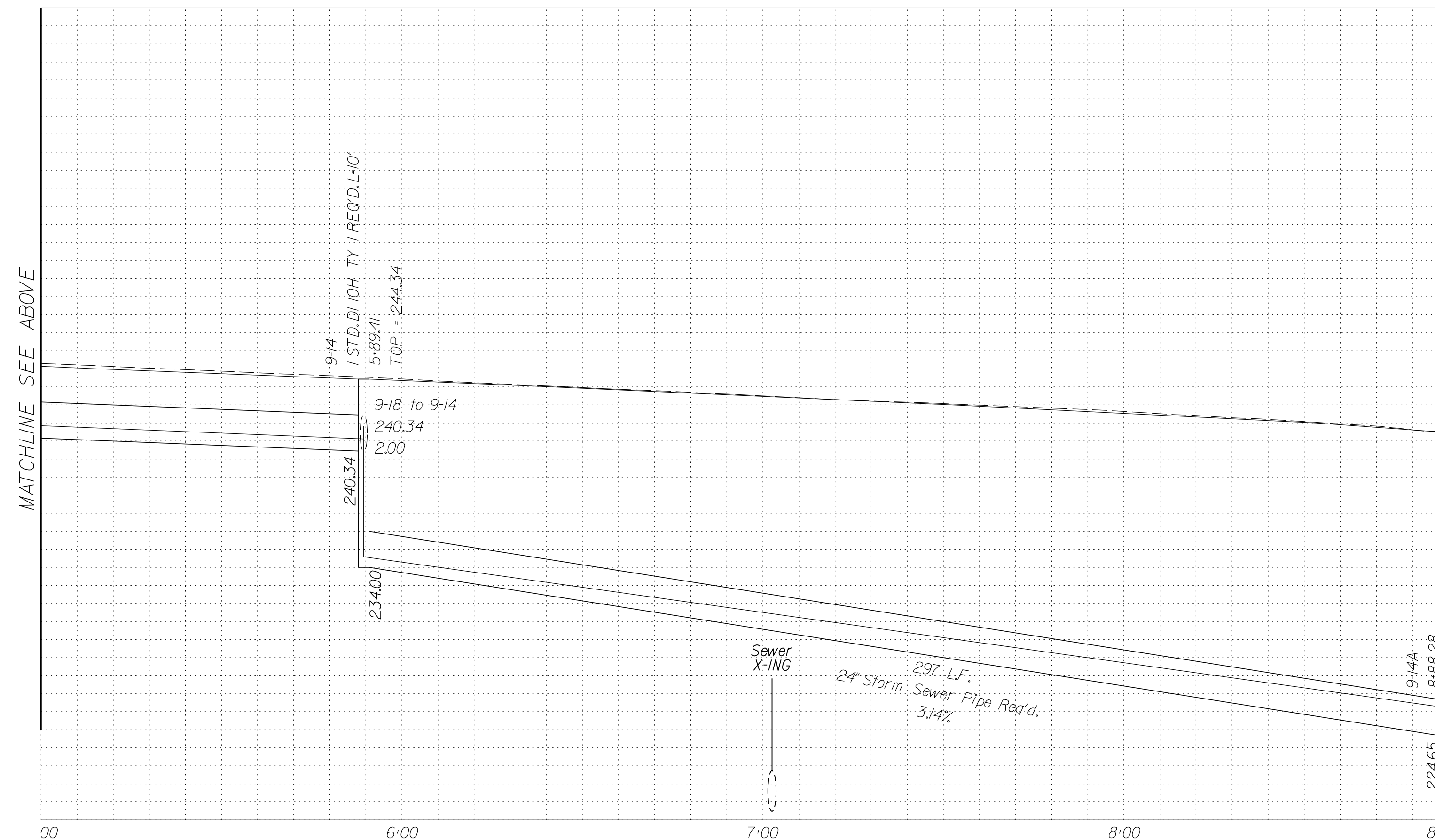
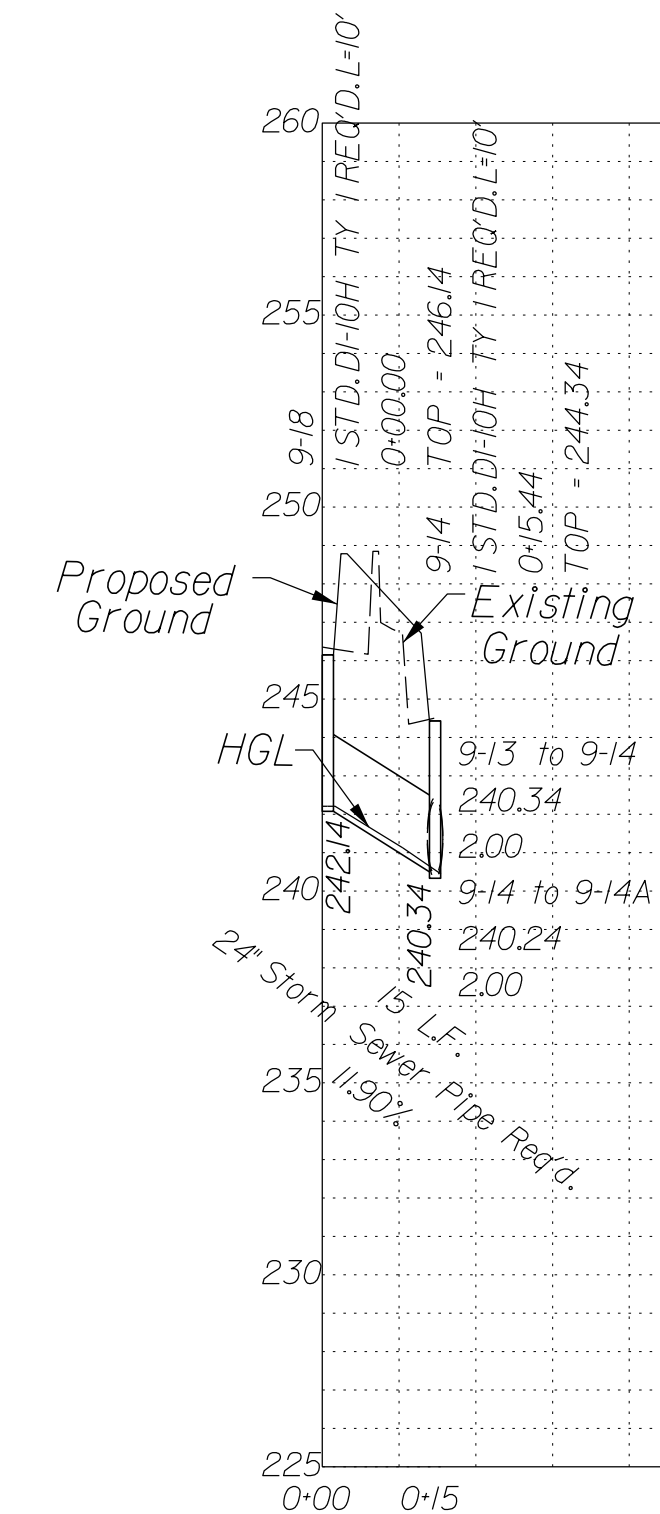
MATCHLINE SEE BELOW

Stormsewer Profile 8-11 to 9-14A

Stormsewer Profile 9-17 to 9-13

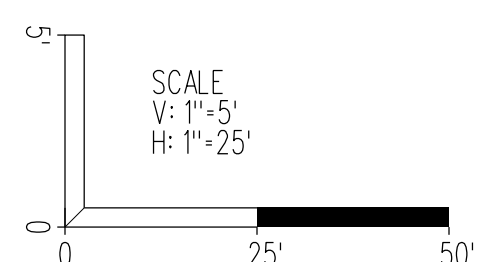


Stormsewer Profile 9-18 to 9-14



MATCHLINE SEE ABOVE

NOVA DISTRICT

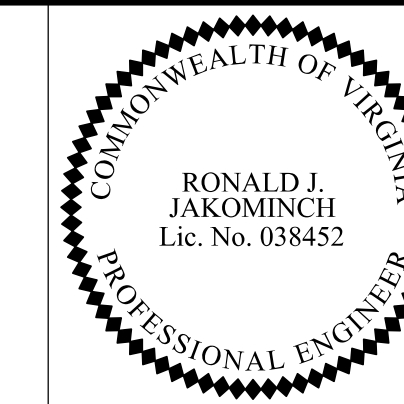


SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(6) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomilich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Drainage Profiles



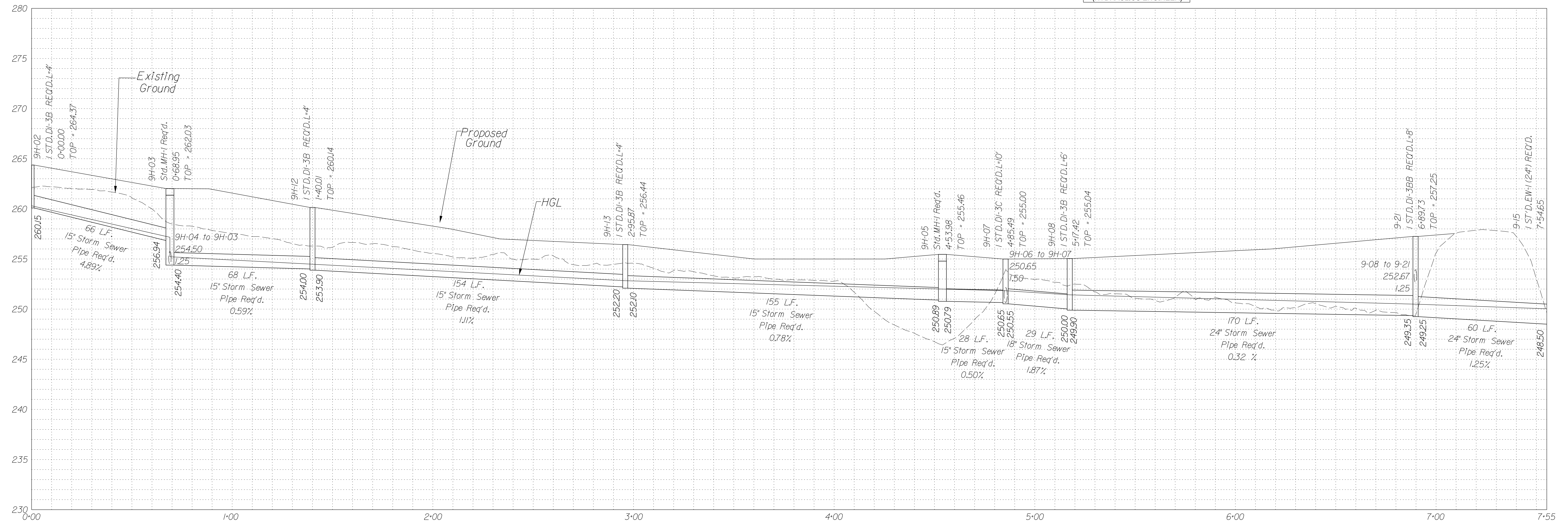
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2L(7) AREA 2

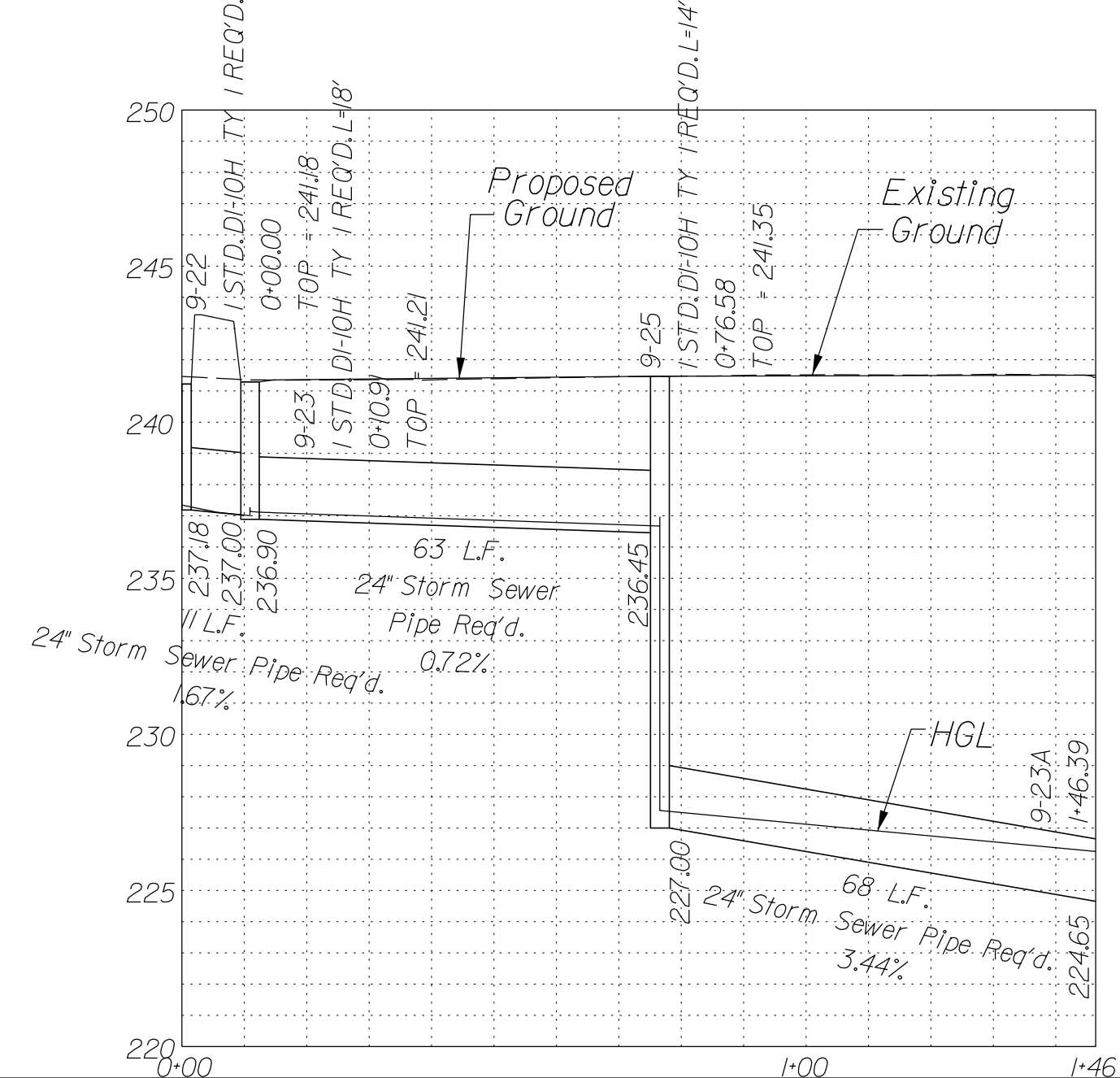
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

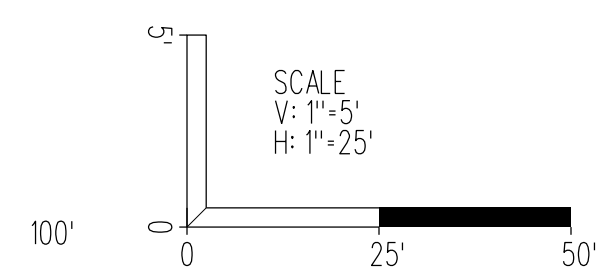
Stormsewer Profile 9H-02 to 9-15



Stormsewer Profile 9-22 to 9-23A



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



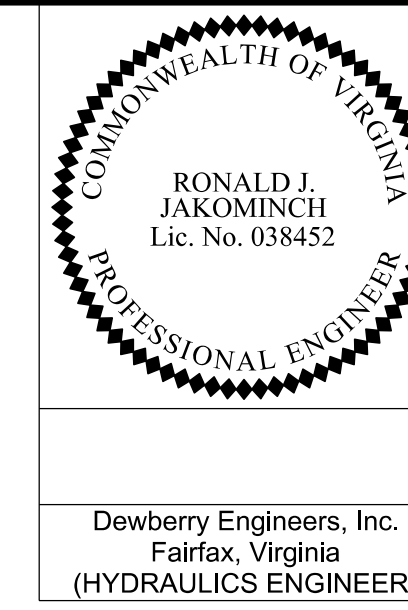
SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(7) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, L.S. (703) 334-0837, 12/2/2021
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2/2021

Drainage Profiles



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

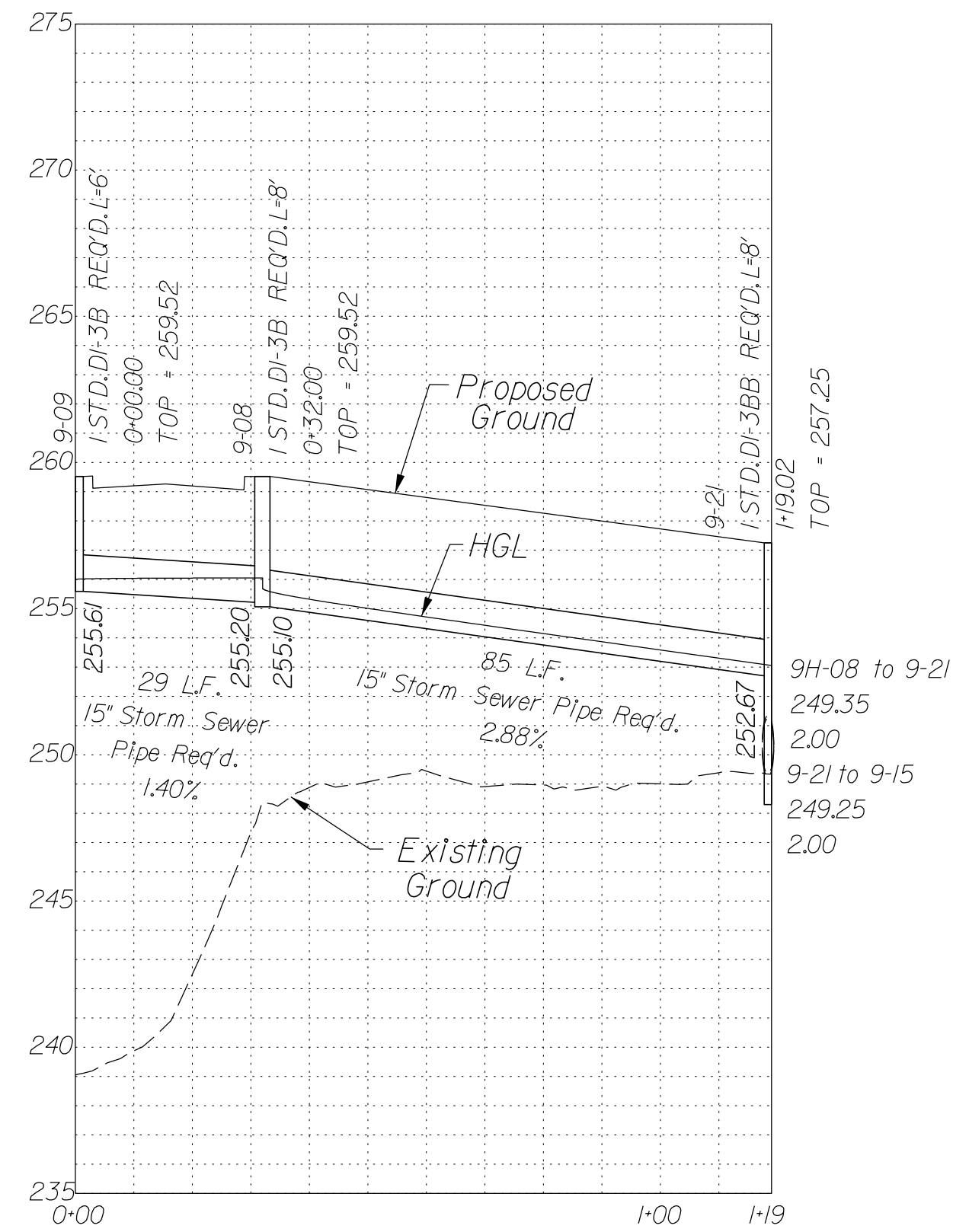
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2L(8) AREA 2

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

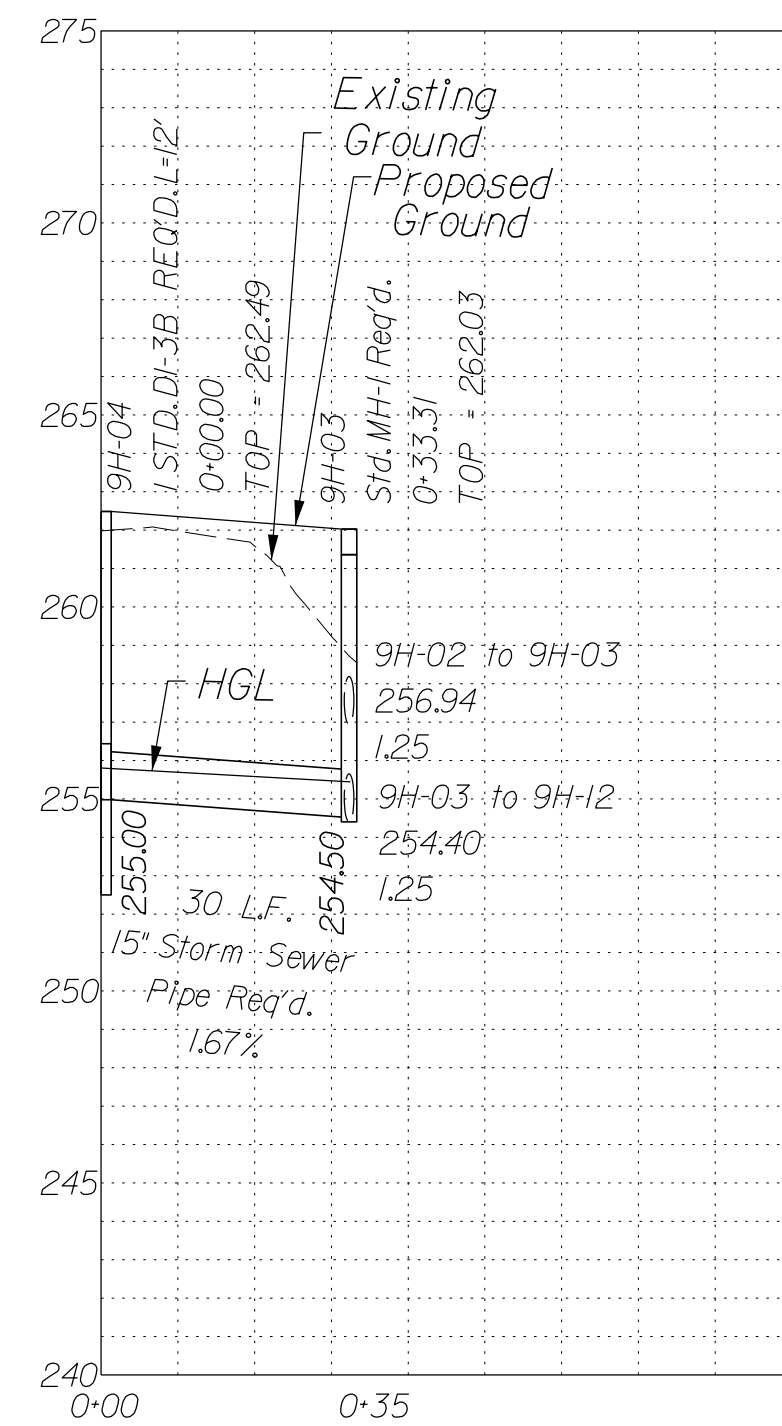
Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VT M 123.

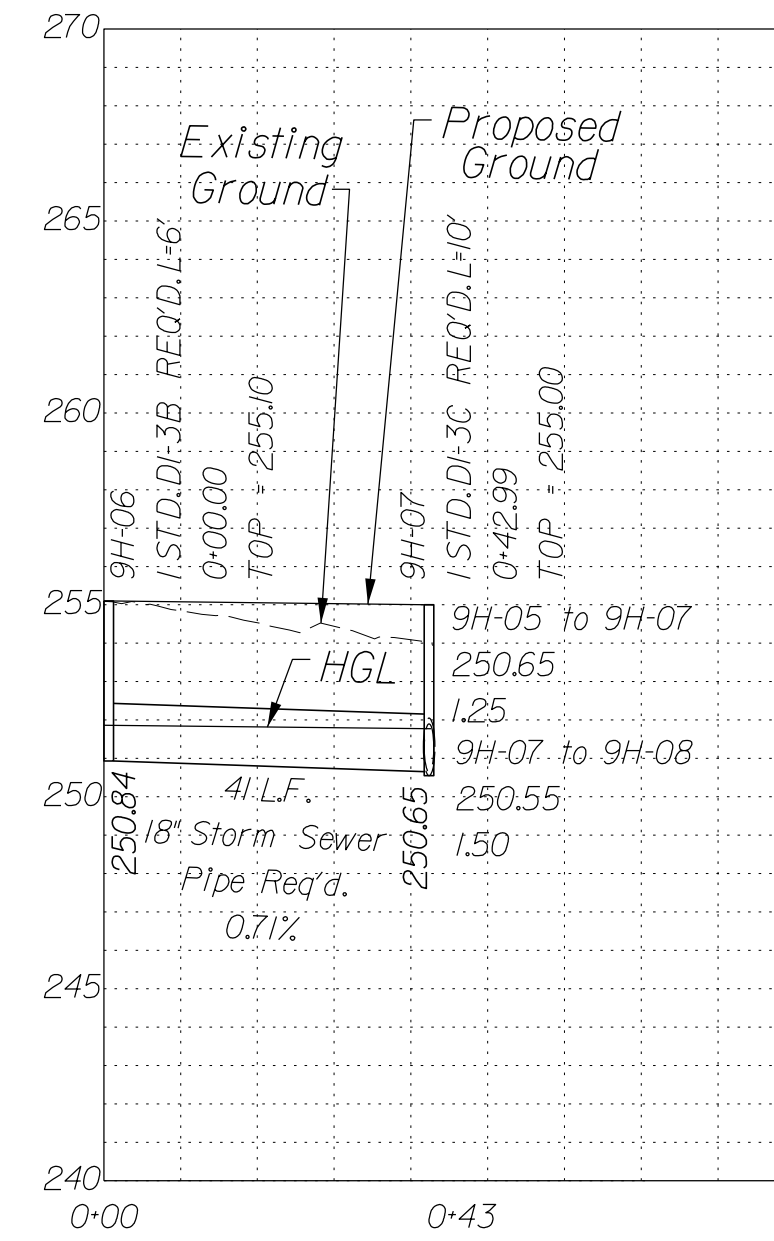
Stormsewer Profile 9-09 to 9-21



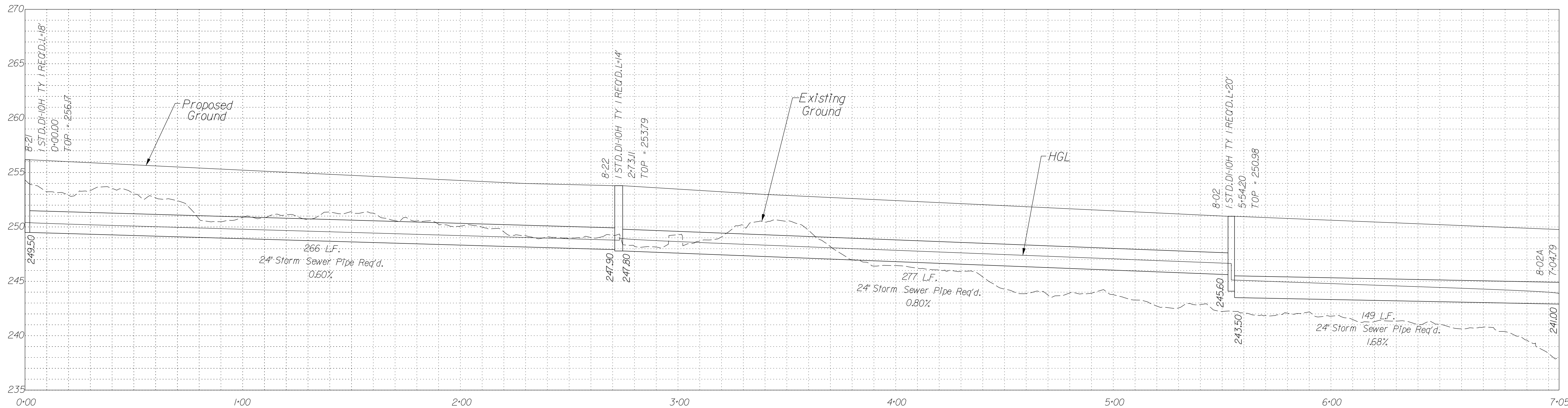
Stormsewer Profile 9H-04 to 9H-03



Stormsewer Profile 9H-06 to 9H-07

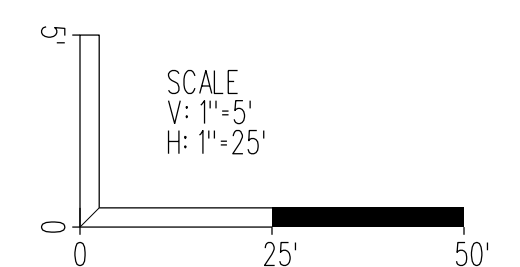


Stormsewer Profile 8-21 to 8-02A



NOVA DISTRICT

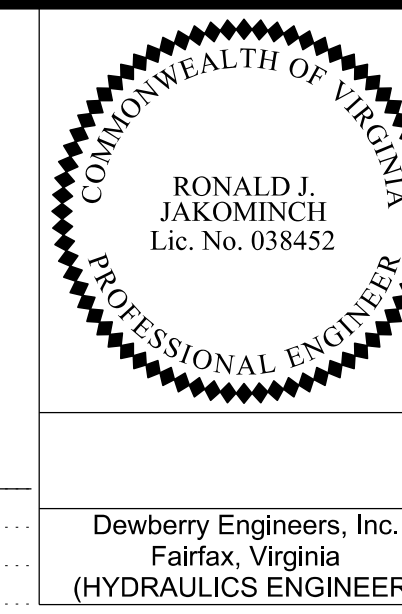
12/16/2022



SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(8) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021



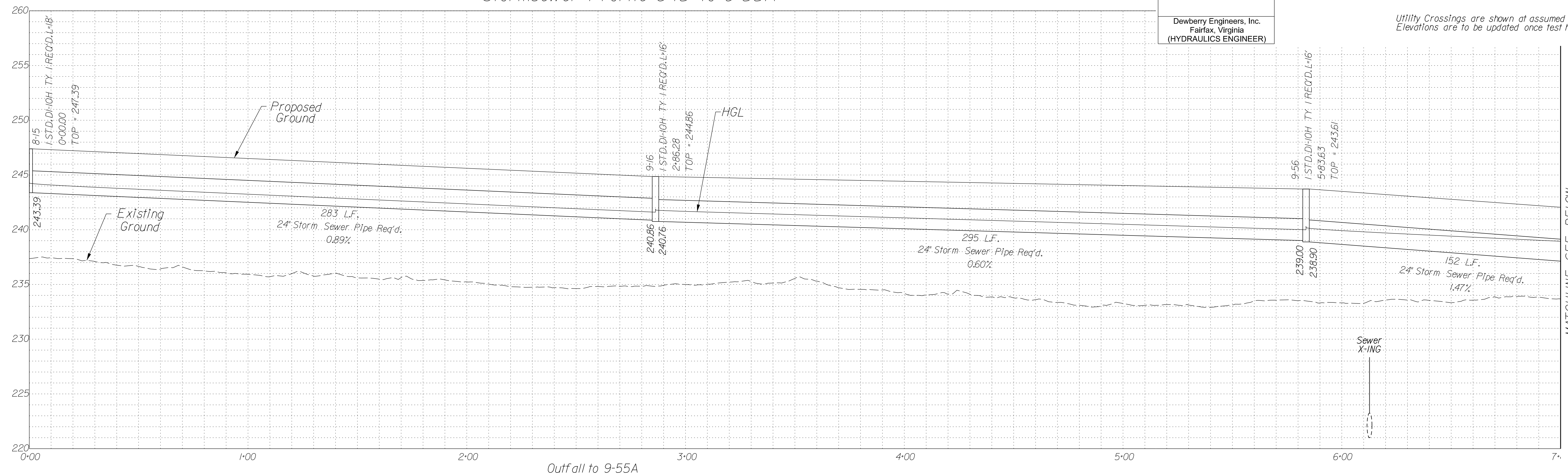
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2L(9) AREA 2

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

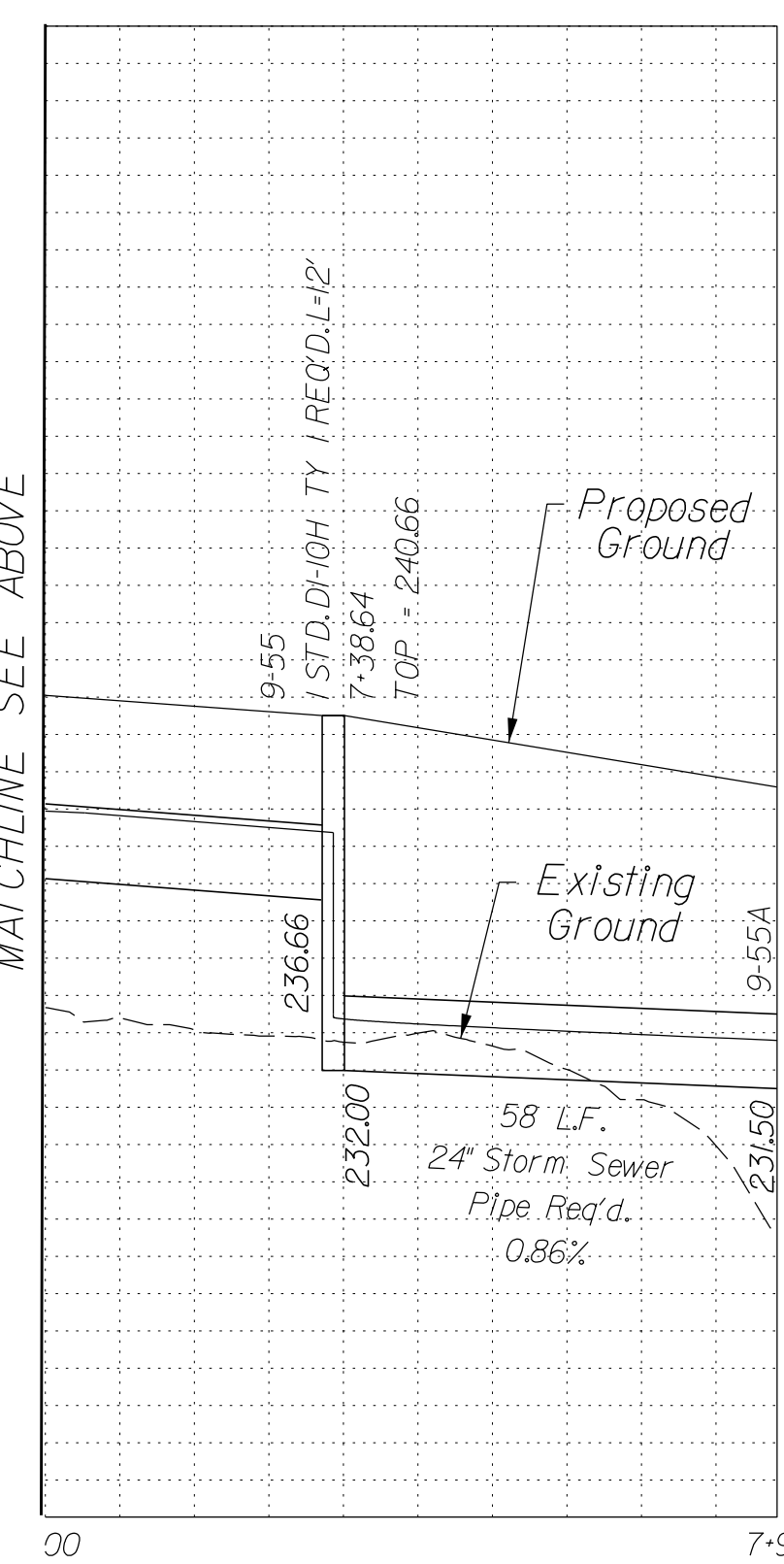
Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

Drainage Profiles

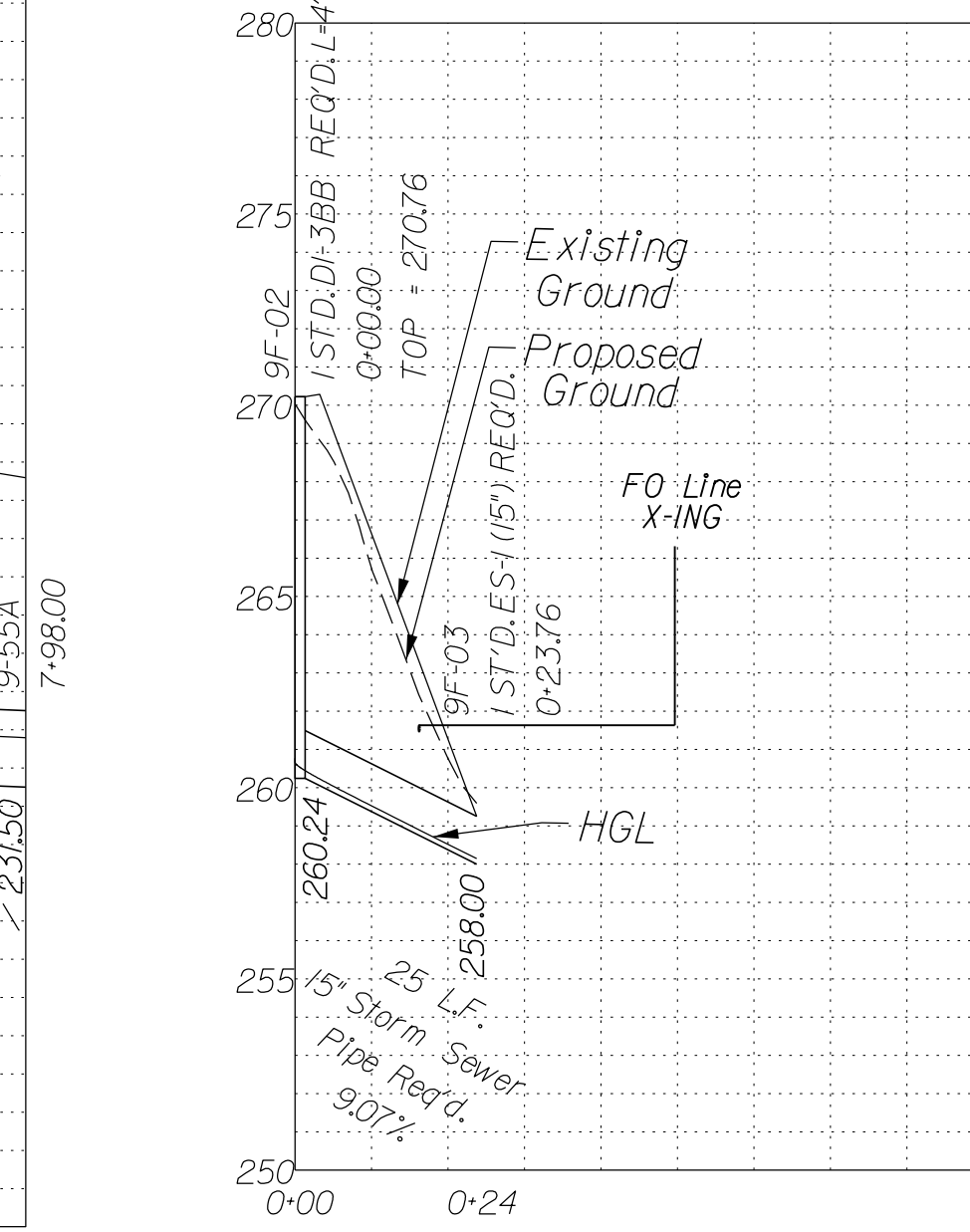
Stormsewer Profile 8-15 to 9-55A



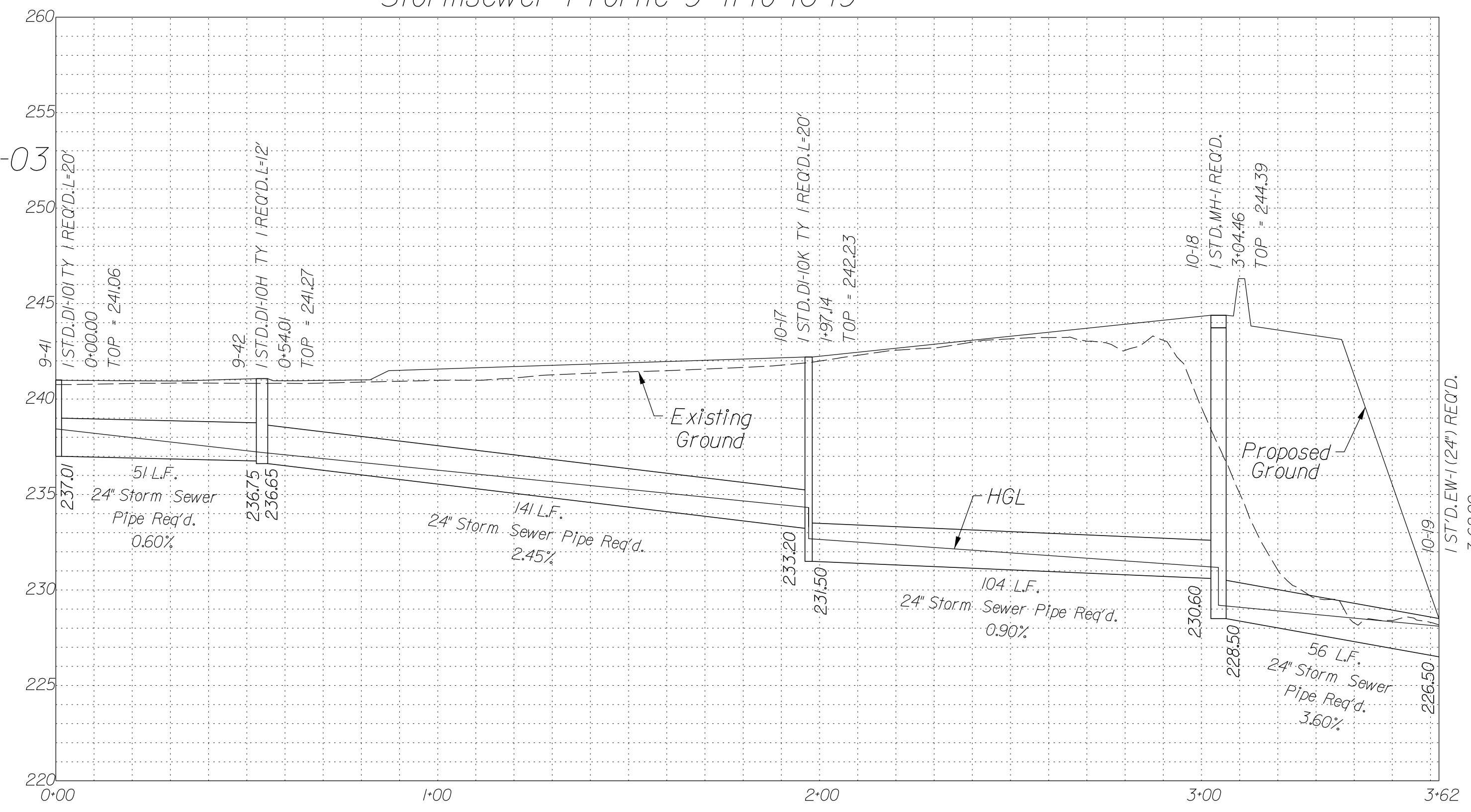
Stormsewer Profile 8-15 to 9-55A



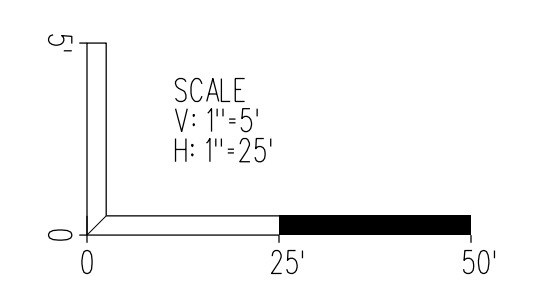
Stormsewer Profile 9F-02 to 9F-03



Stormsewer Profile 9-41 to 10-19



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



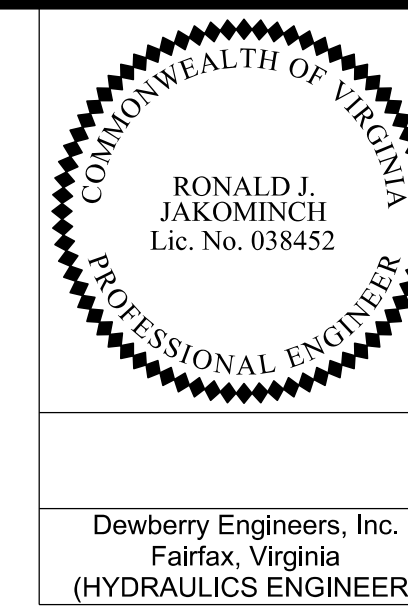
SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(9) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Drainage Profiles



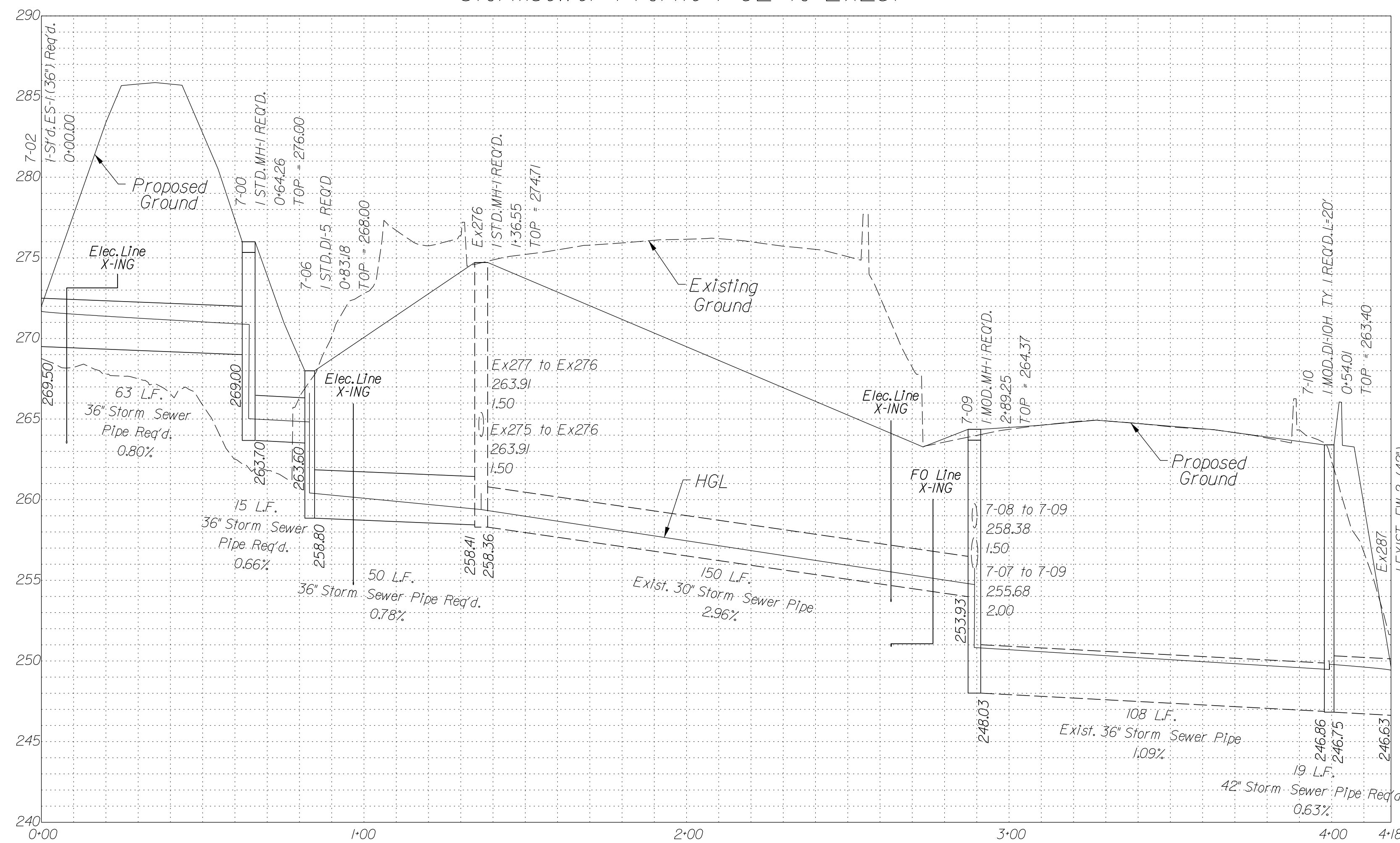
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2L1101 AREA 2

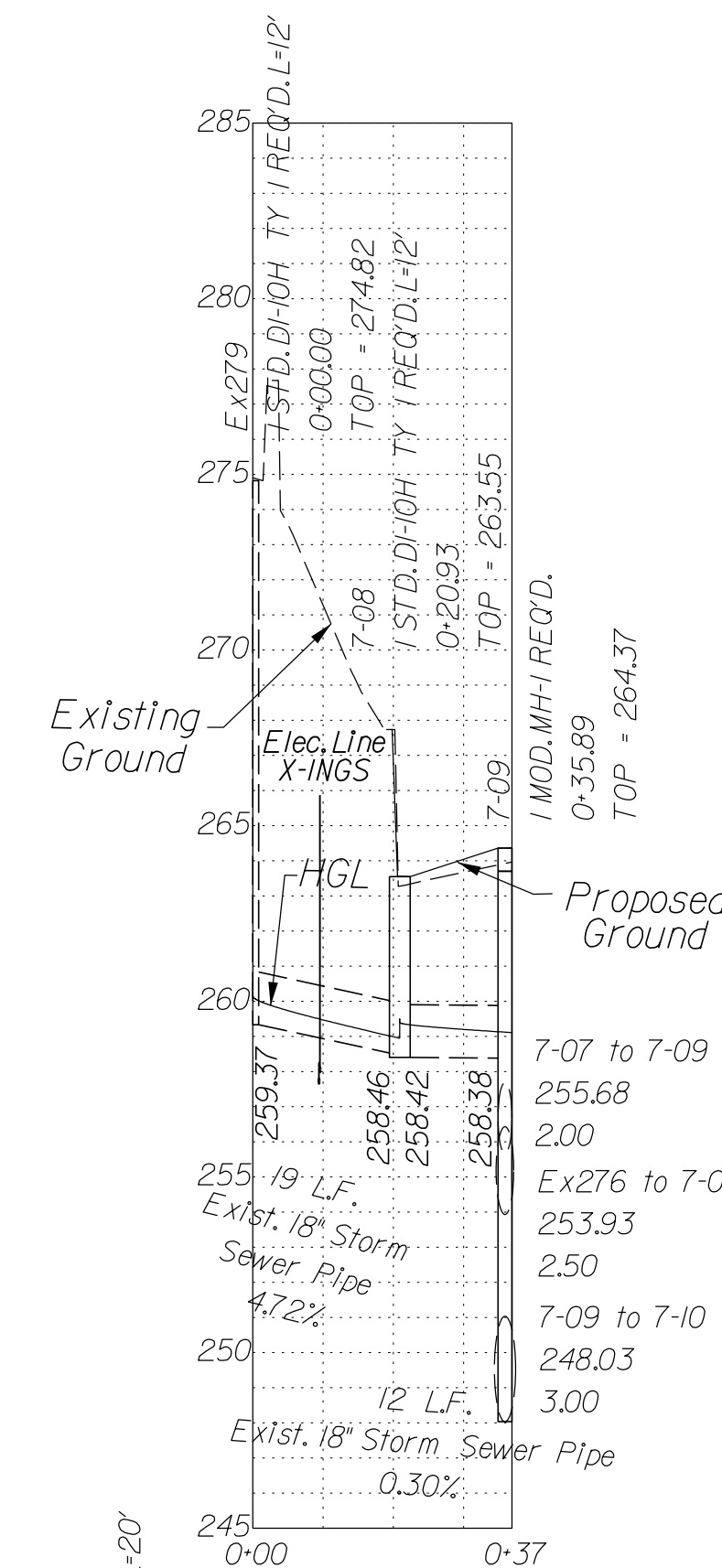
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

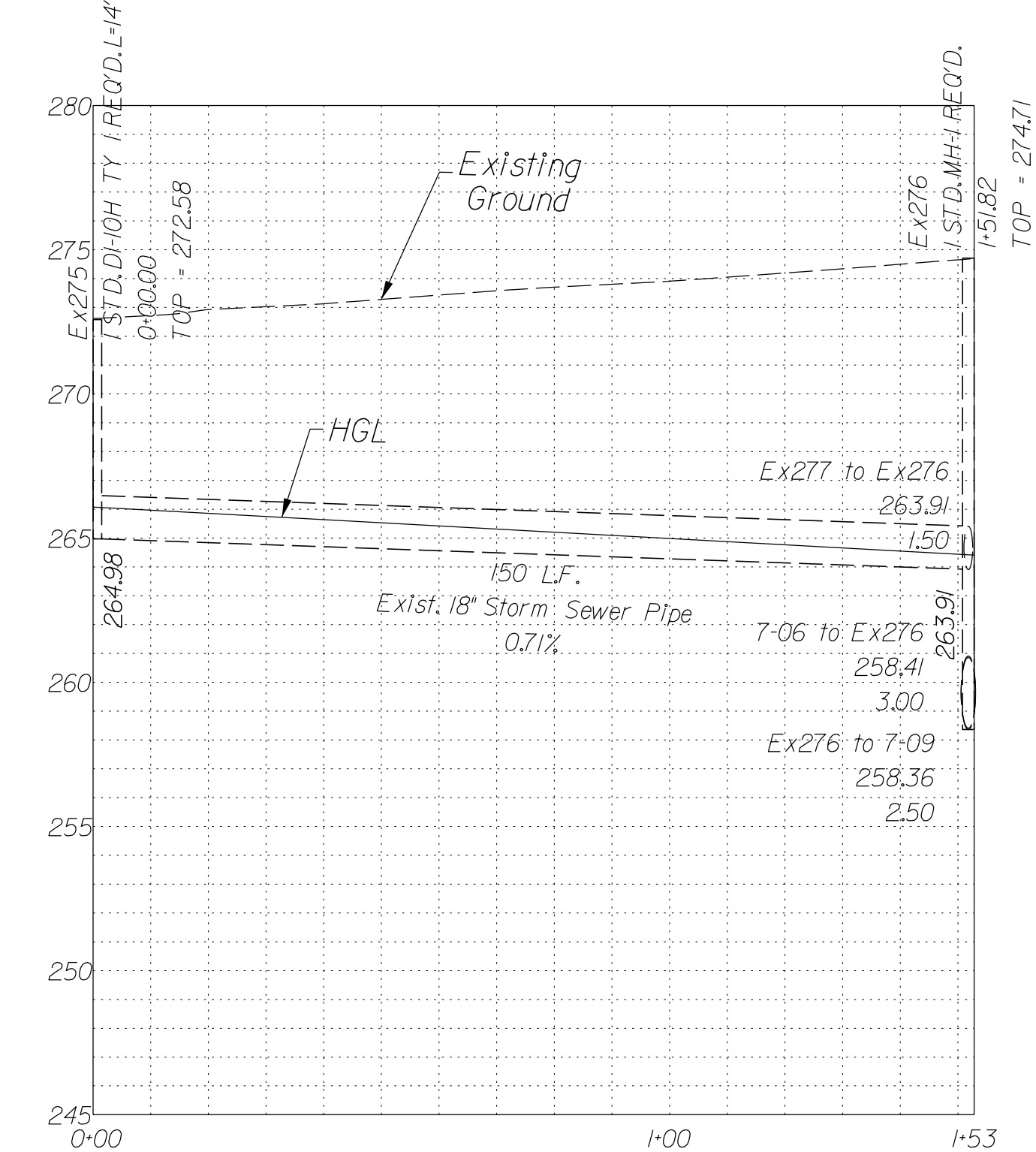
Stormsewer Profile 7-02 to Ex287



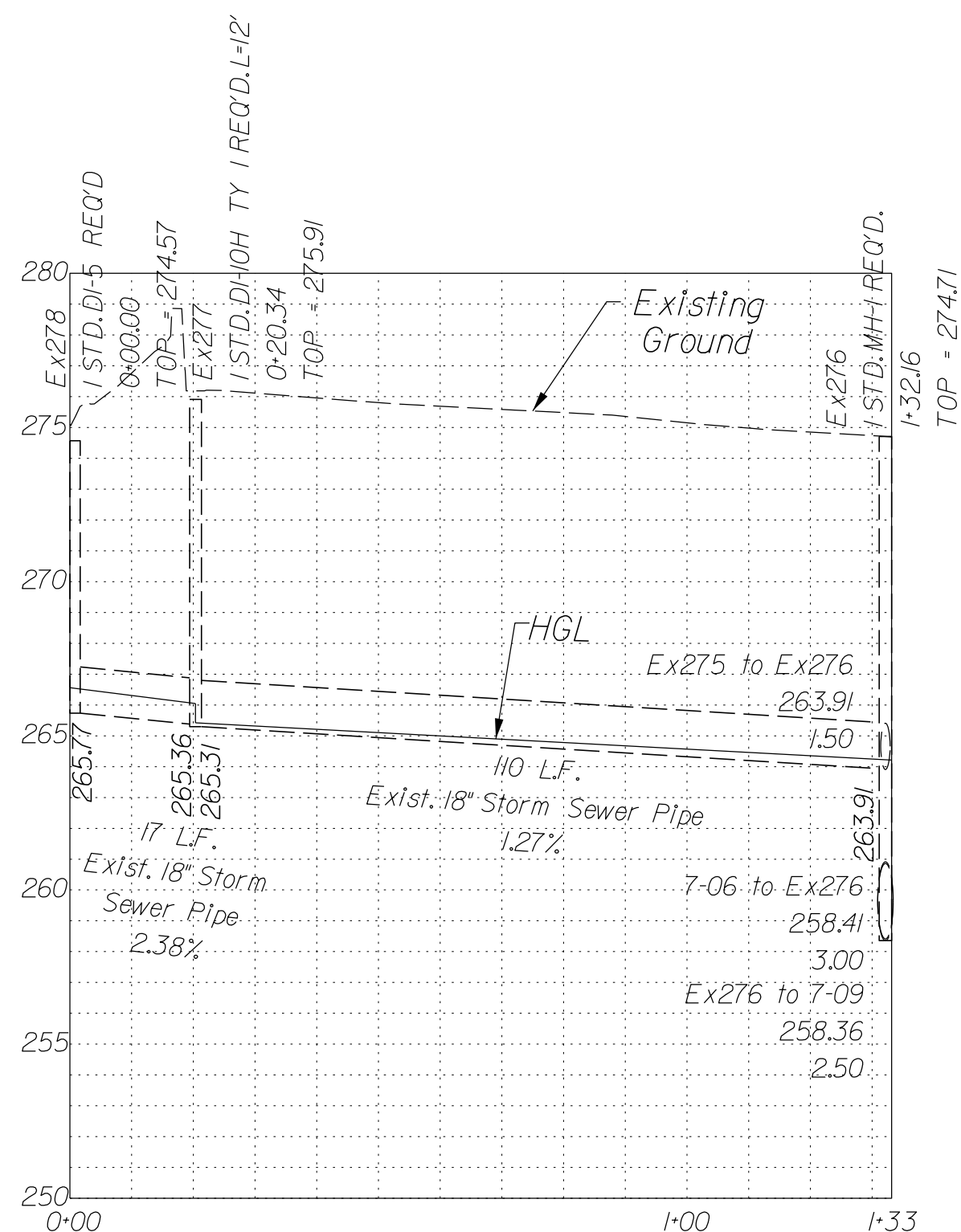
Stormsewer Profile Ex279 to 7-09



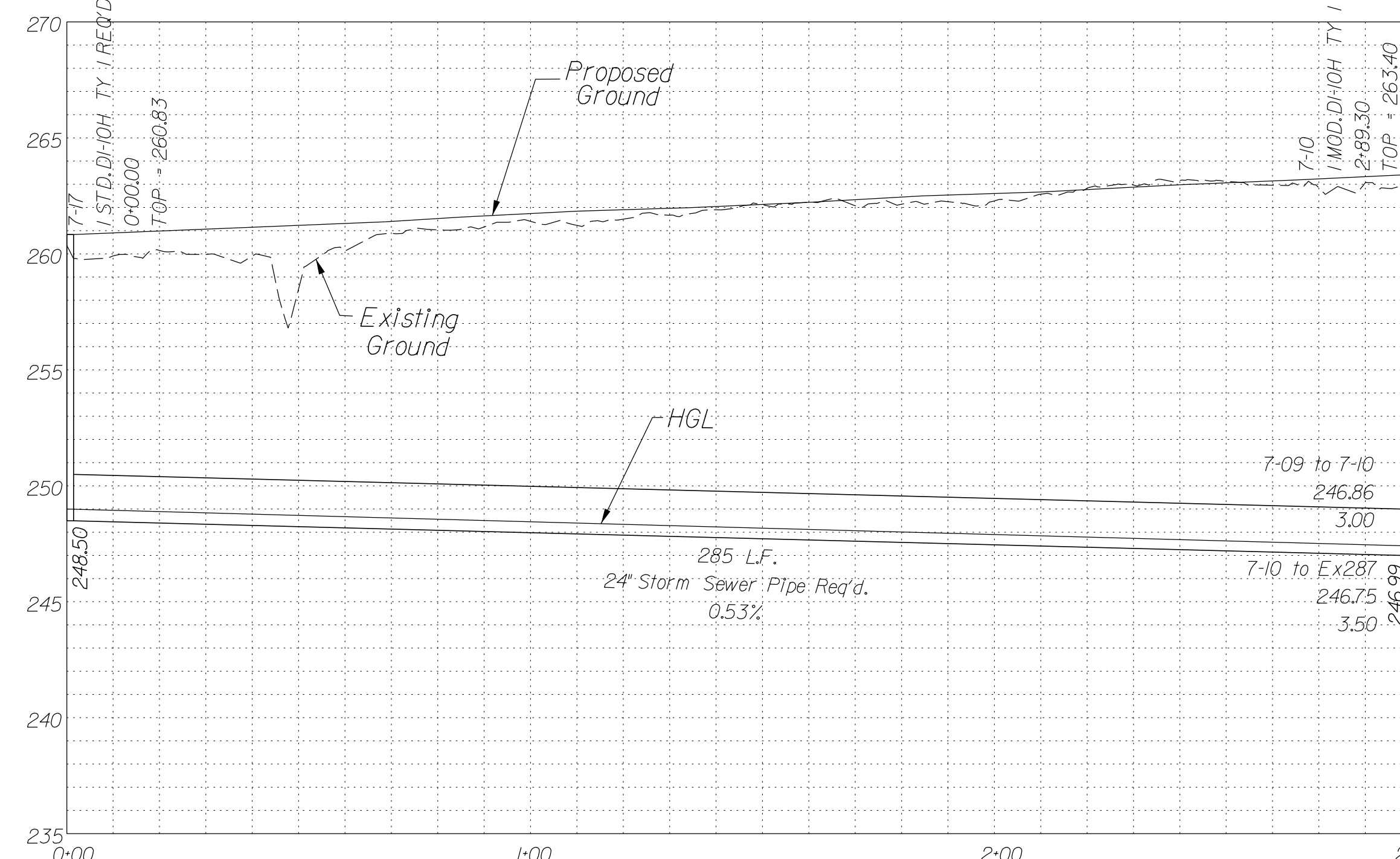
Stormsewer Profile Ex275 to Ex276



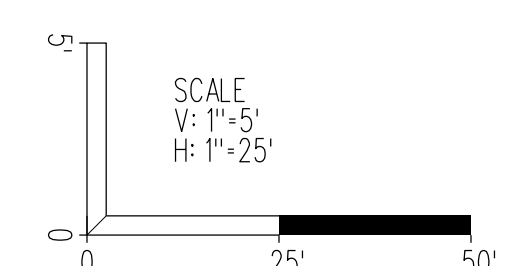
Stormsewer Profile Ex278 to Ex276



Stormsewer Profile 7-17 to 7-10



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 on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



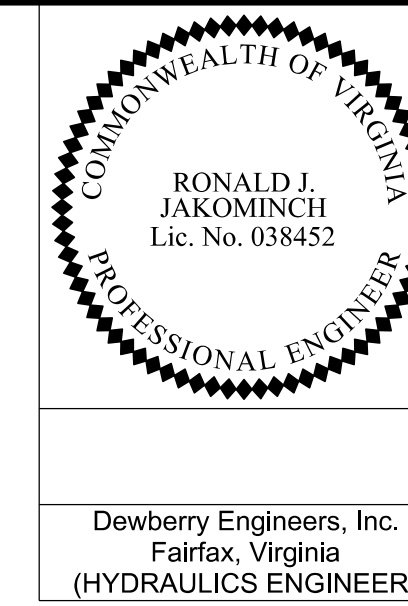
SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L1101 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominch, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Drainage Profiles



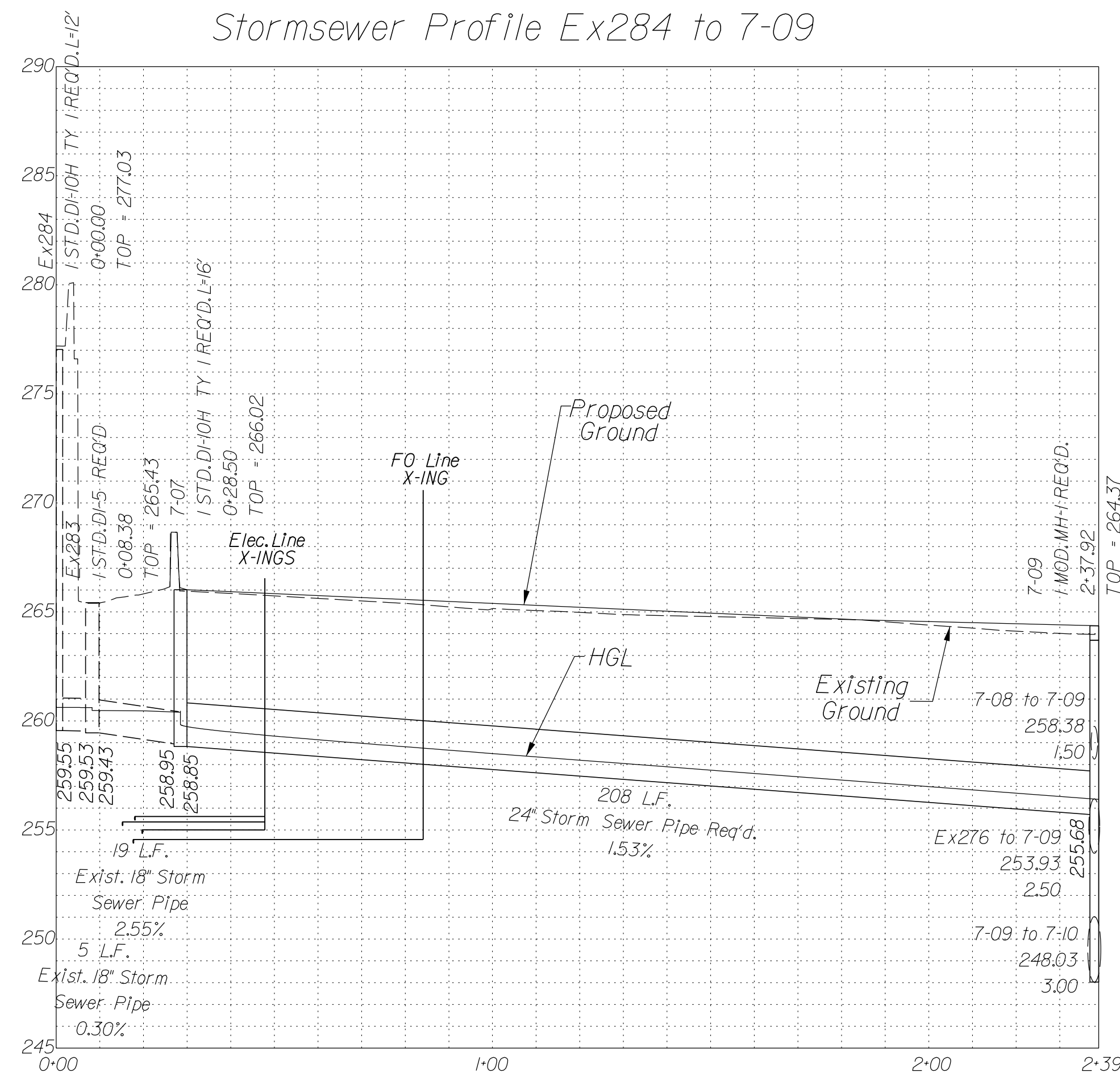
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2L(III) AREA 2

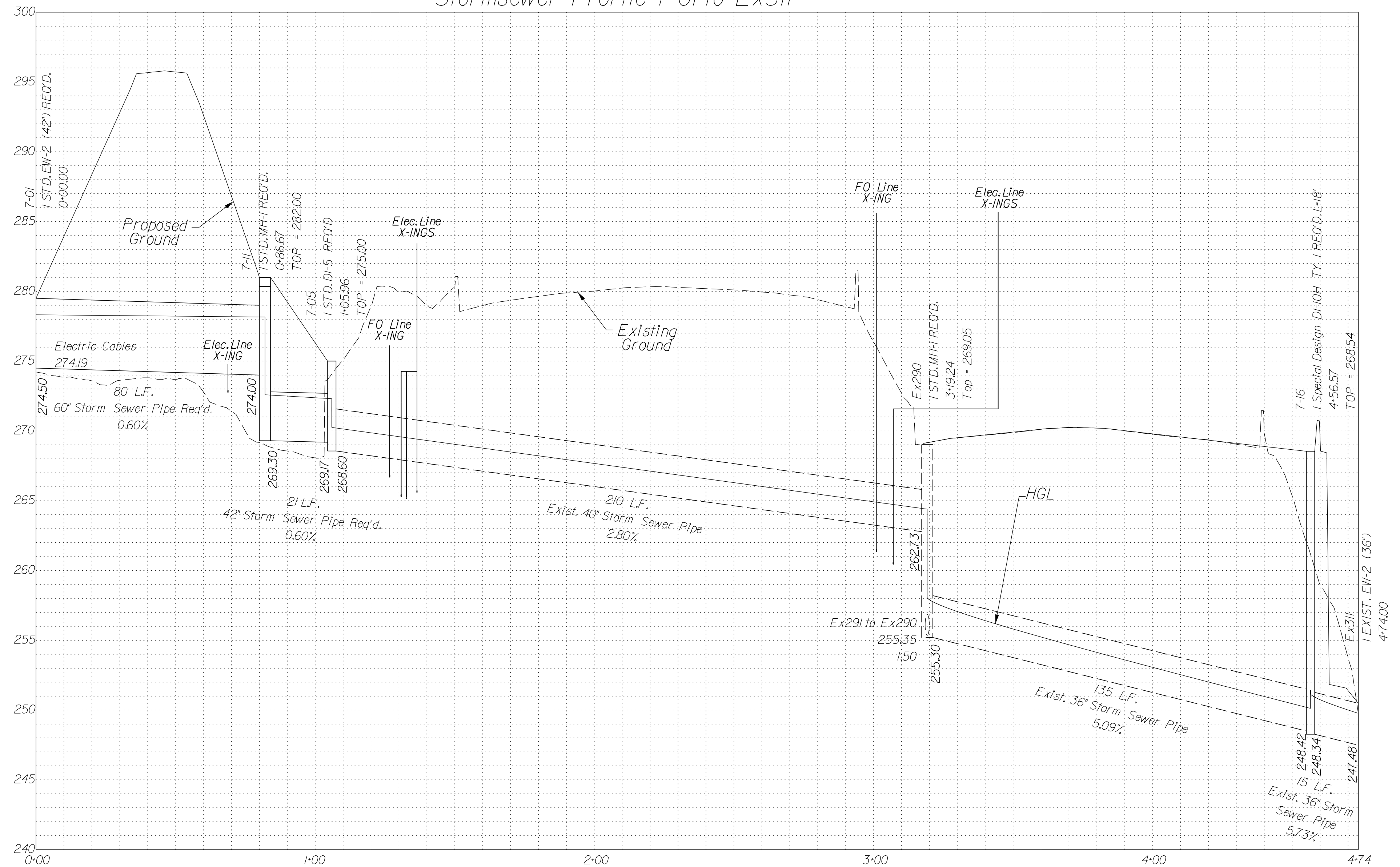
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

Stormsewer Profile Ex284 to 7-09

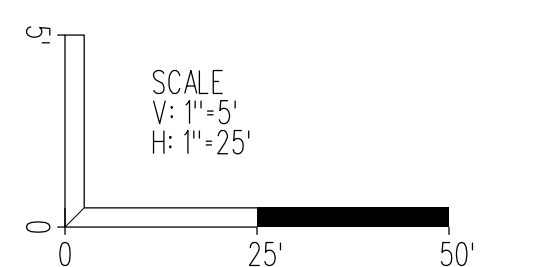


Stormsewer Profile 7-01 to Ex311



NOVA DISTRICT

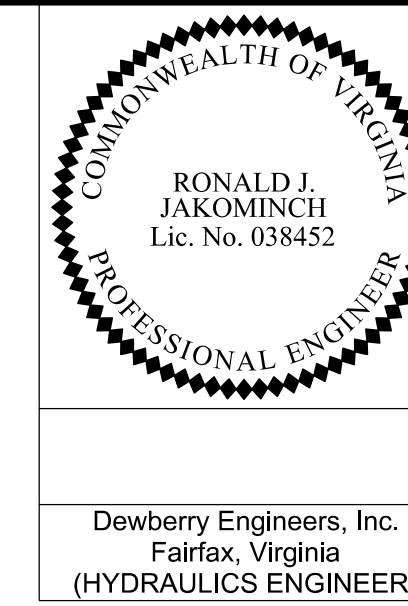
In addition to the visual inspection performed by the Department during the initial installation of storm sewer pipes and pipe culverts, a post installation visual/video camera inspection shall be conducted by the Contractor on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.



SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L(III) AREA 2
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APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2L112 AREA 2

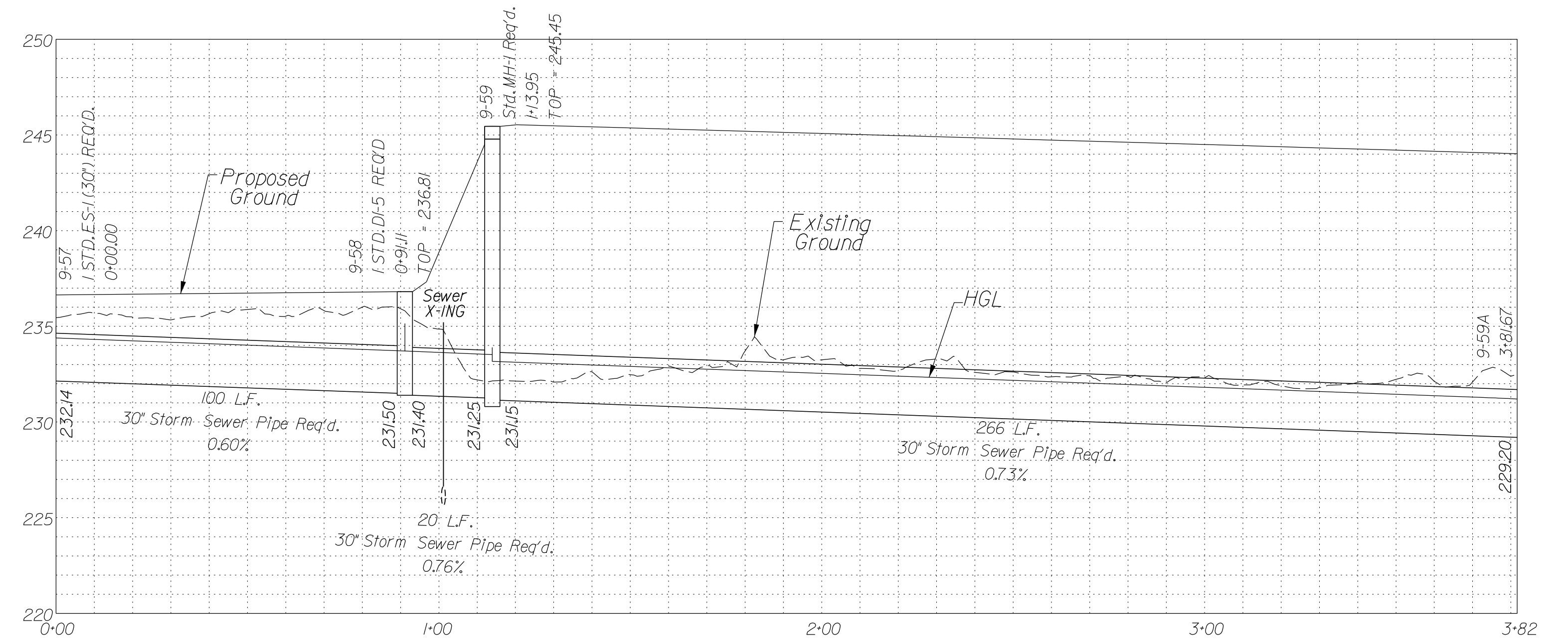
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Utility Crossings are shown at assumed depths. Elevations are to be updated once test hole data has been finalized.

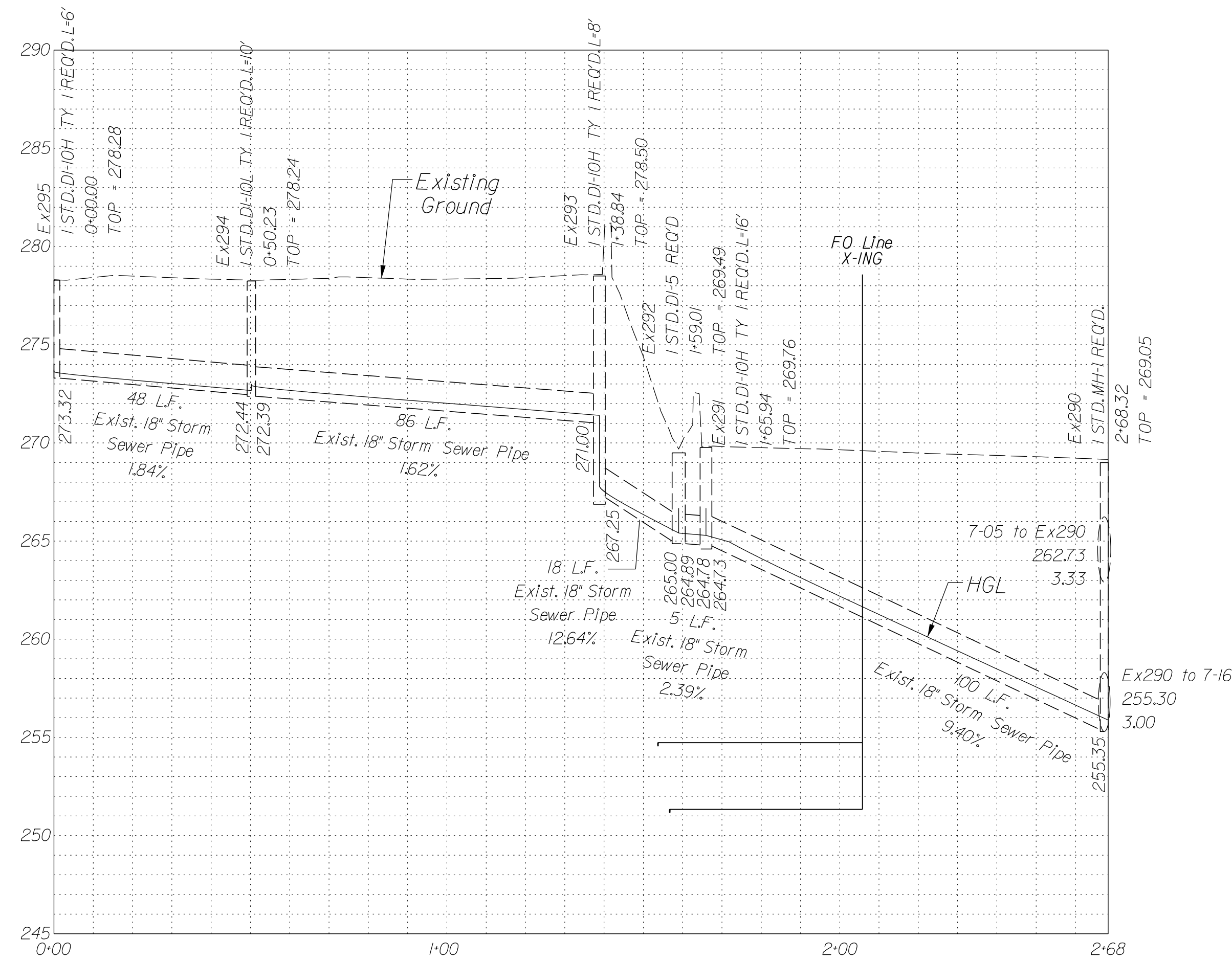
In addition to the visual inspection performed by the Department during the initial installation of storm sewer pipes and pipe culverts, a post installation visual/video camera inspection shall be conducted by the Contractor on all storm sewer pipes and a selected number of pipe culverts in accordance with the requirements of this specification and VTM 123.

Drainage Profiles

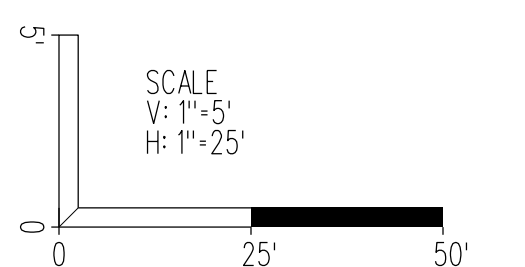
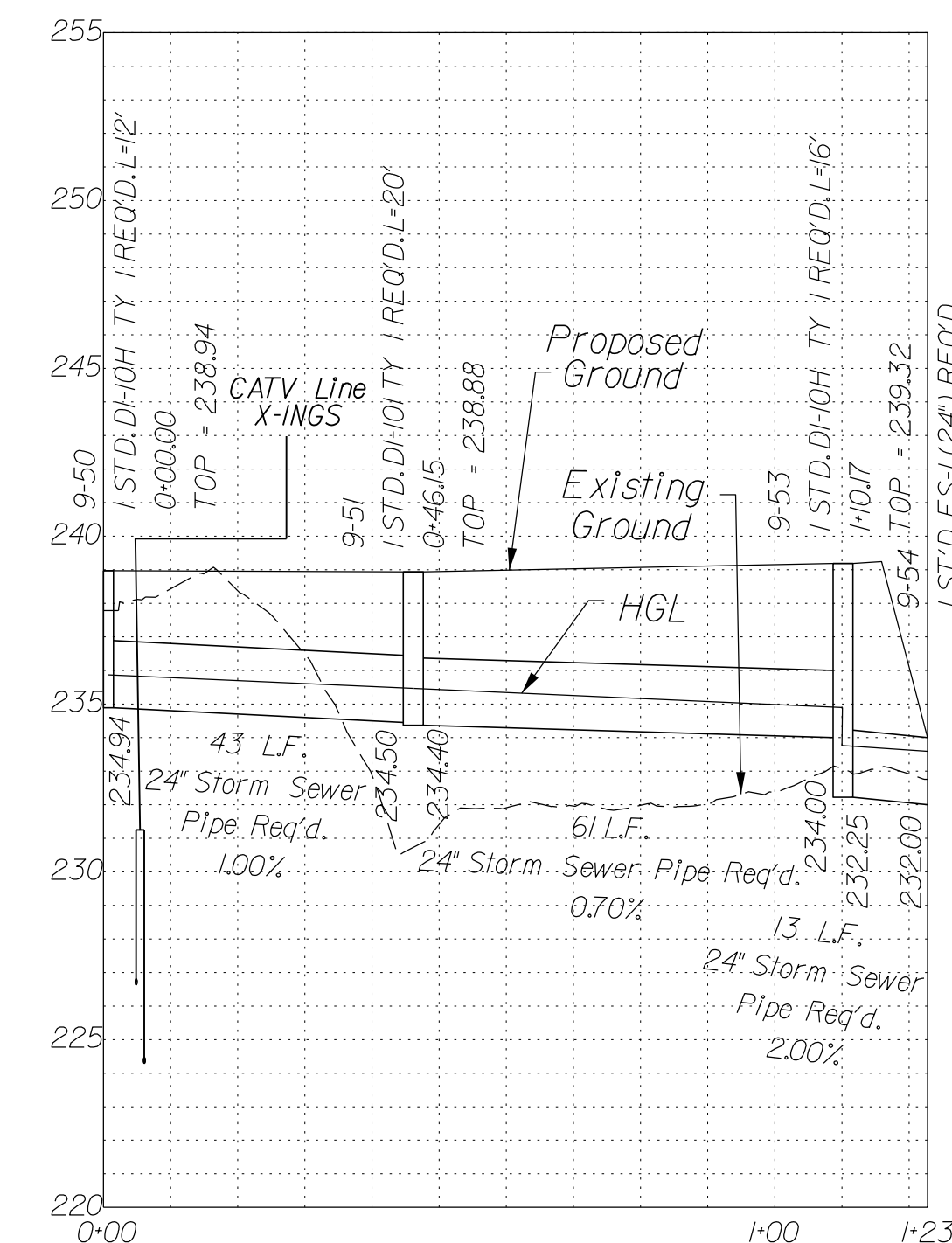
Stormsewer Profile 9-57 to 9-59A



Stormsewer Profile Ex295 to Ex290



Stormsewer Profile 9-50 to 9-54

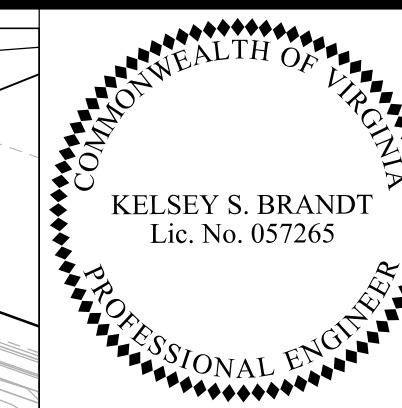


SCALE As Shown	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2L112 AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

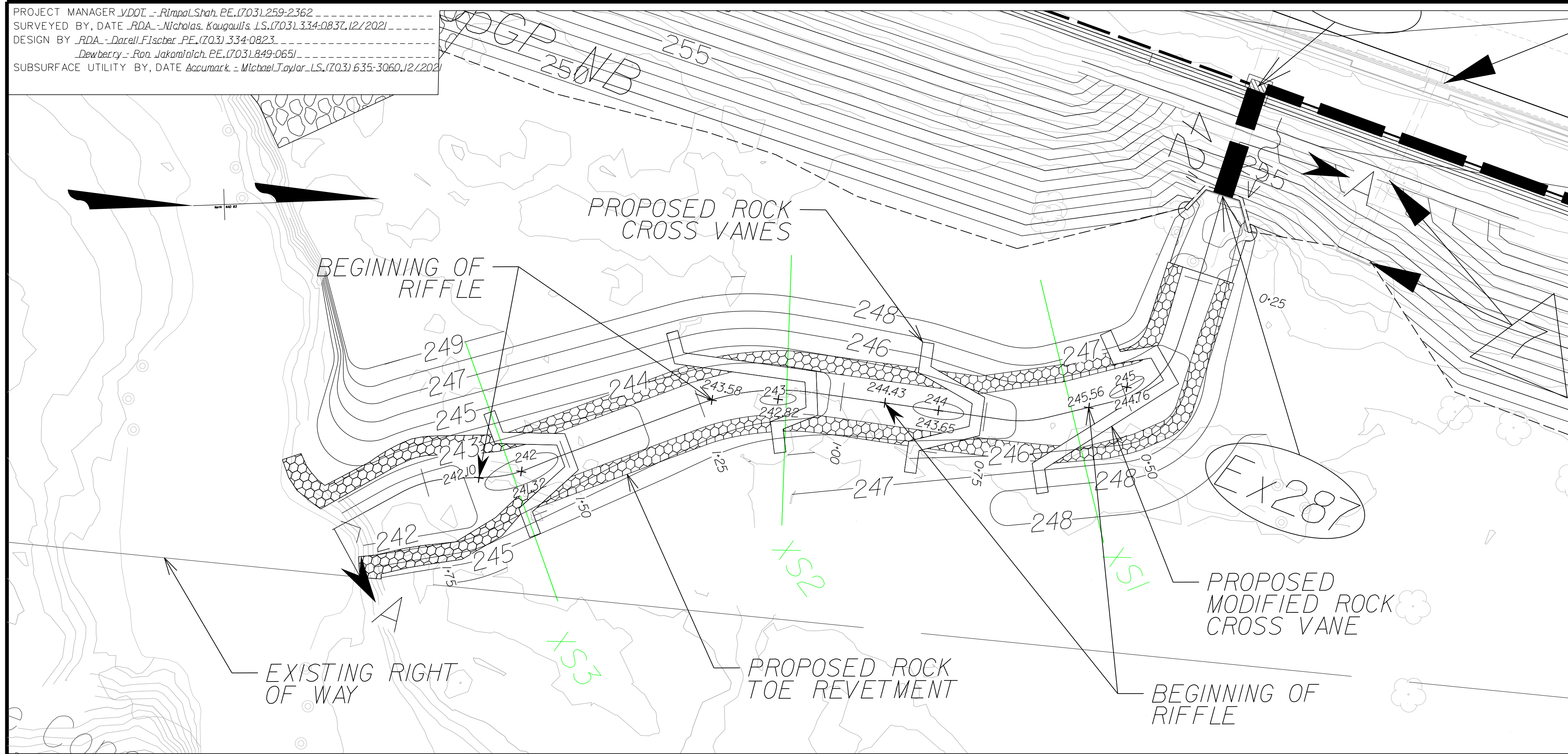
PROJECT MANAGER VDOT - Riprap, Shrub, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugall's, LS, (703) 334-0837, 12/2/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomilich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2/2021



Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M(01) AREA 2

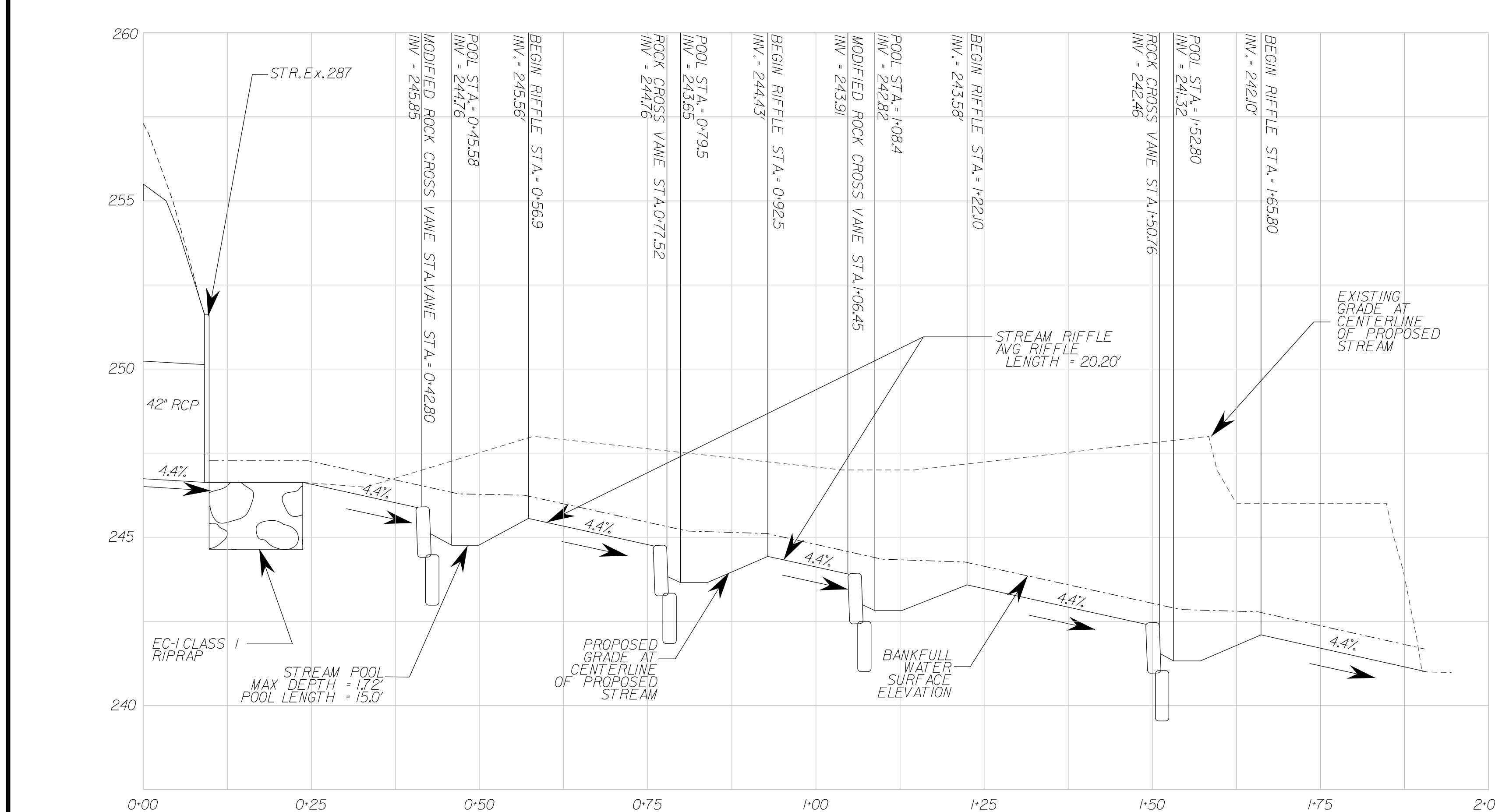
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



RESTORED OUTFALL
PL23-2
STA. 586+75 I-495 NB
PLAN VIEW

NOTES:

1. See sheet 2M(2) for channel cross sections.
2. See sheet 2M(6) for rock cross vane and rock toe revetment details.
3. See sheet 2M(7) for modified rock cross vane details.
4. See sheet 2M(8) for detailed elevations for rock cross vanes and modified rock cross vanes.



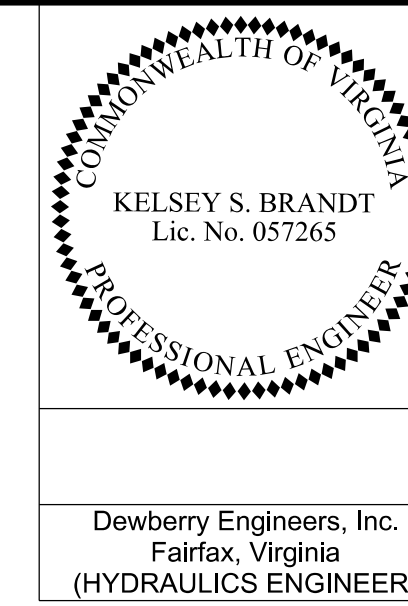
RESTORED OUTFALL
PL23-2
PROFILE A-A
VERTICAL 1"=2.5'
HORIZONTAL 1"=12.5'

SCALE 0 12.5' 25'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2M(01) AREA 2
----------------------	----------------------------------	-------------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull's, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

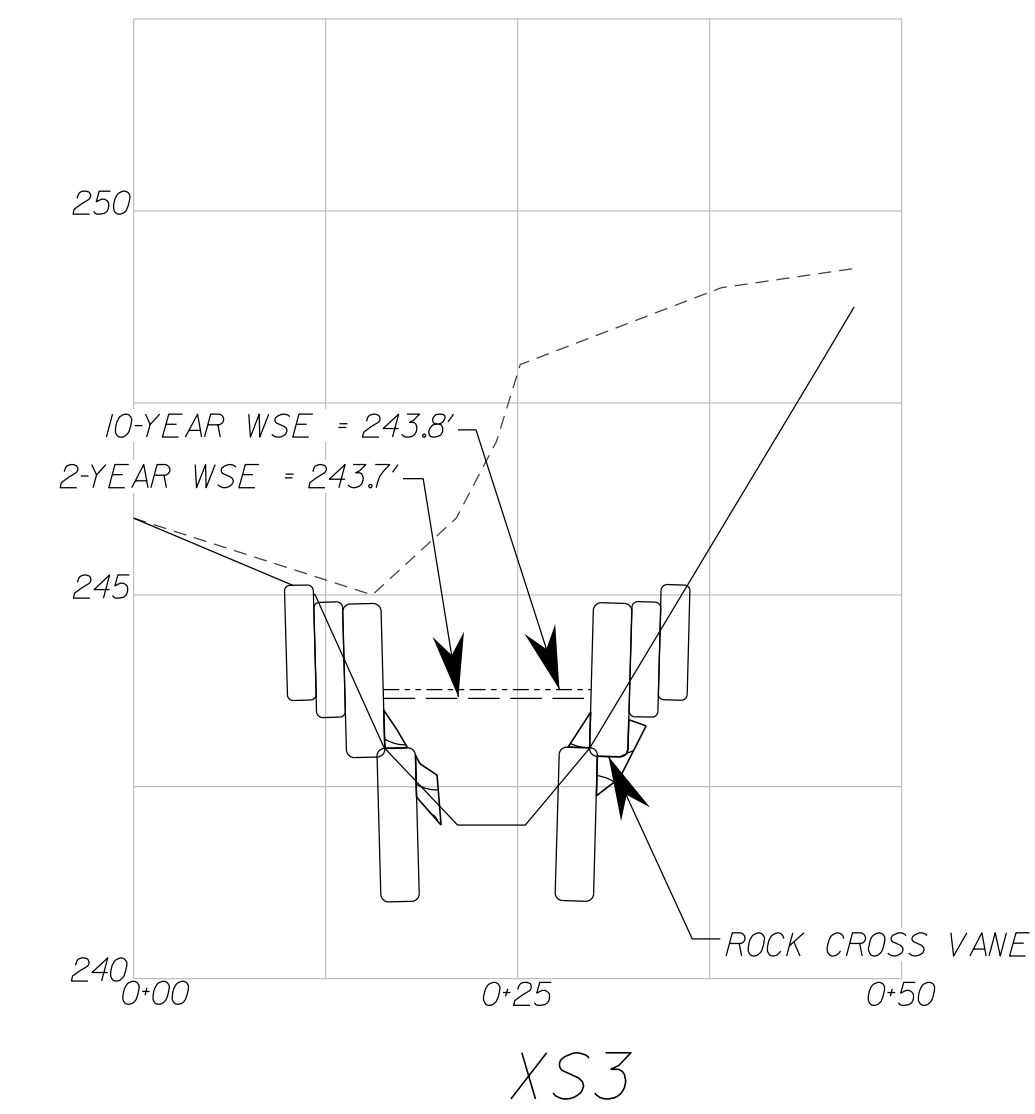
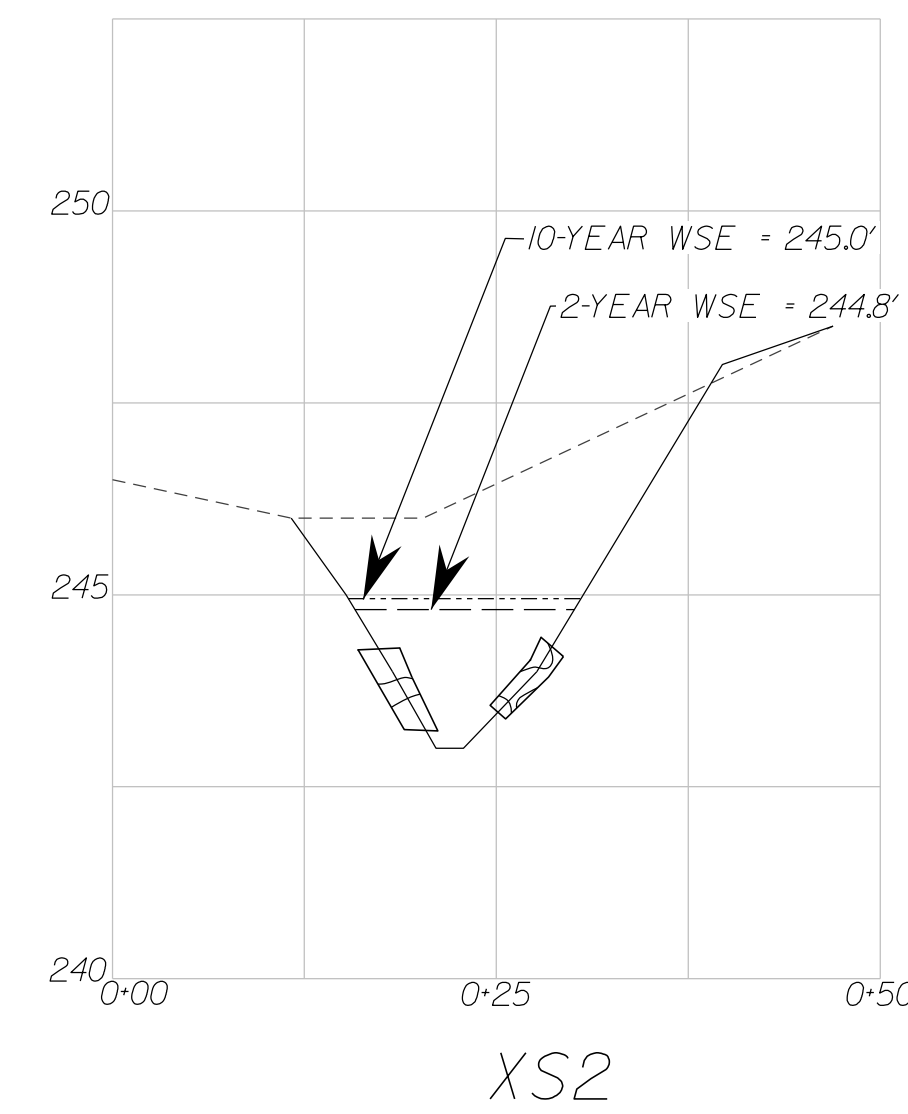
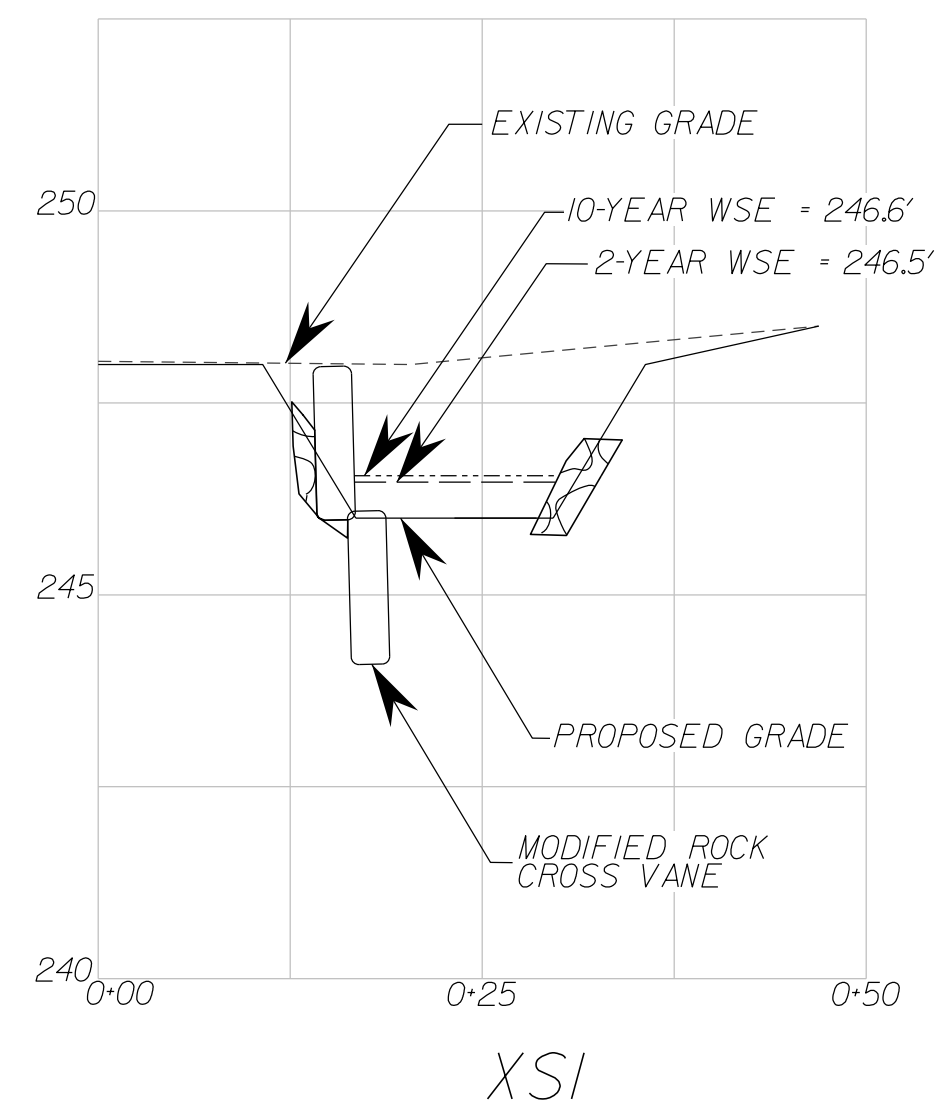


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M(02) AREA 2

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

RESTORED OUTFALL PL23-2

PROPOSED STREAM CROSS SECTIONS



VERTICAL 1"=2.5'
 HORIZONTAL 1"=12.5'

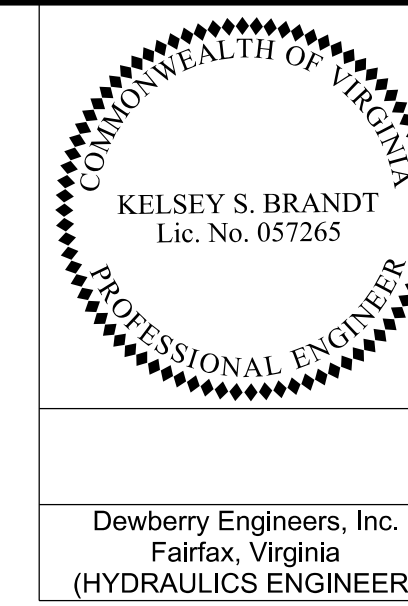
LEGEND	
-----	EXISTING GRADE
—————	PROPOSED GRADE
-----	10-YEAR WSE
-----	2-YEAR WSE
	PROPOSED ROCK TOE REVENTMENT

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull's, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS (703) 635-3060, 12/2021



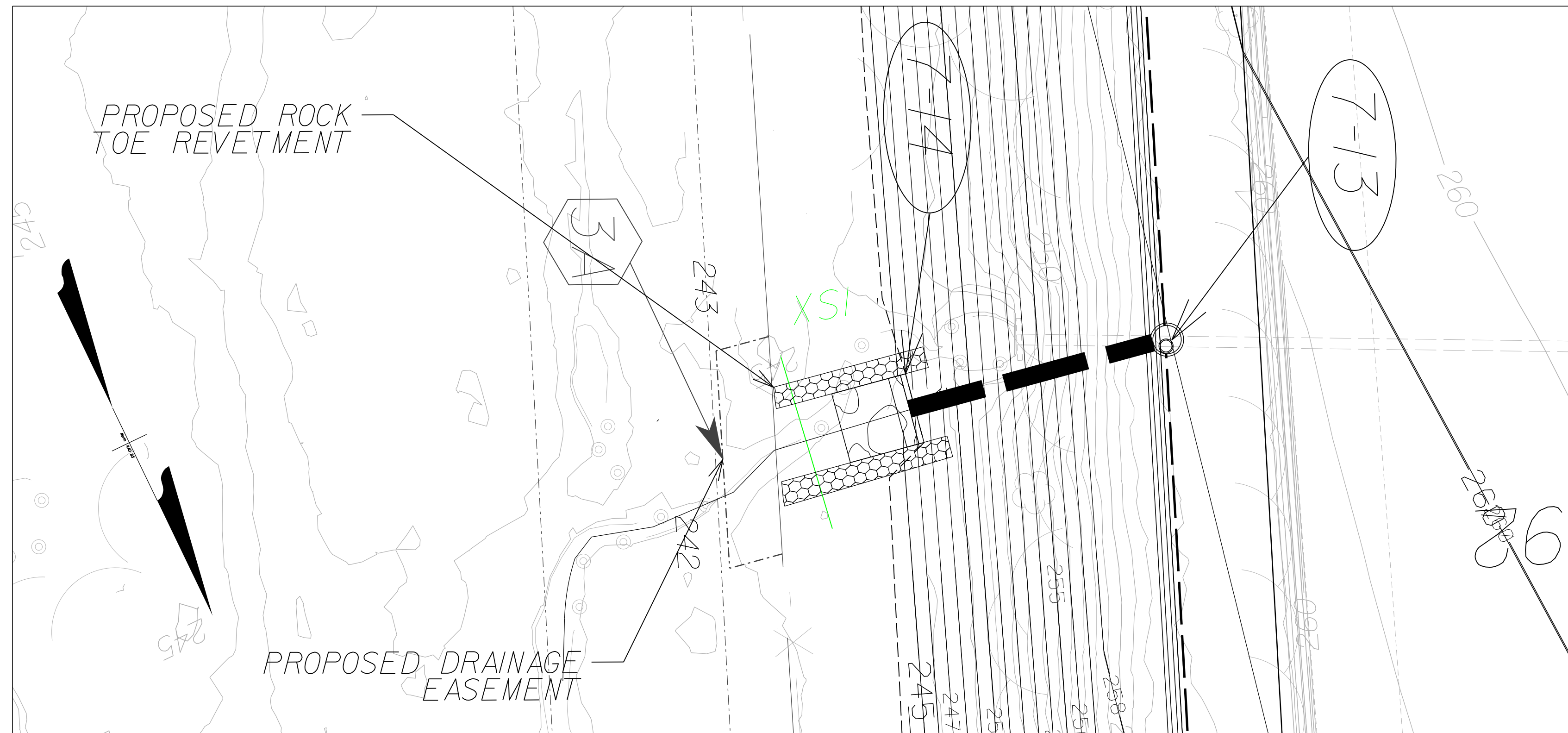
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M(03) AREA 2

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

RESTORED OUTFALL PL23-3

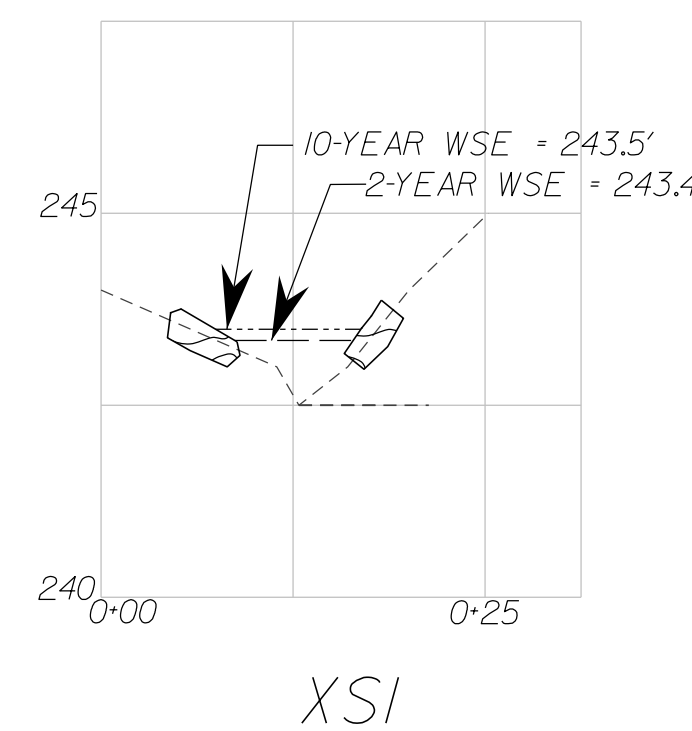
STA. 591+75 I-495 NB

PLAN VIEW



NOTES:
 1. See sheet 2M(6) for rock toe revetment details.

RESTORED OUTFALL PL23-3 PROPOSED STREAM CROSS SECTION



LEGEND	
-----	EXISTING GRADE
-----	10-YEAR WSE
-----	2-YEAR WSE
[Hatched Box]	PROPOSED ROCK TOE REVENTMENT

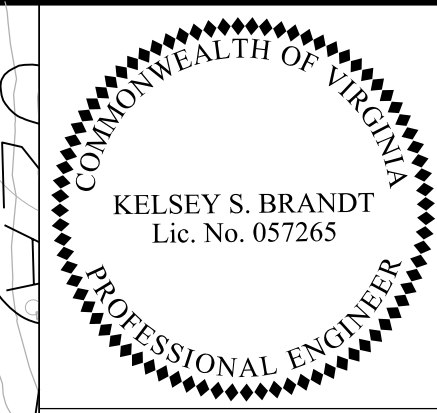
VERTICAL 1"=2.5'
 HORIZONTAL 1"=12.5'

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

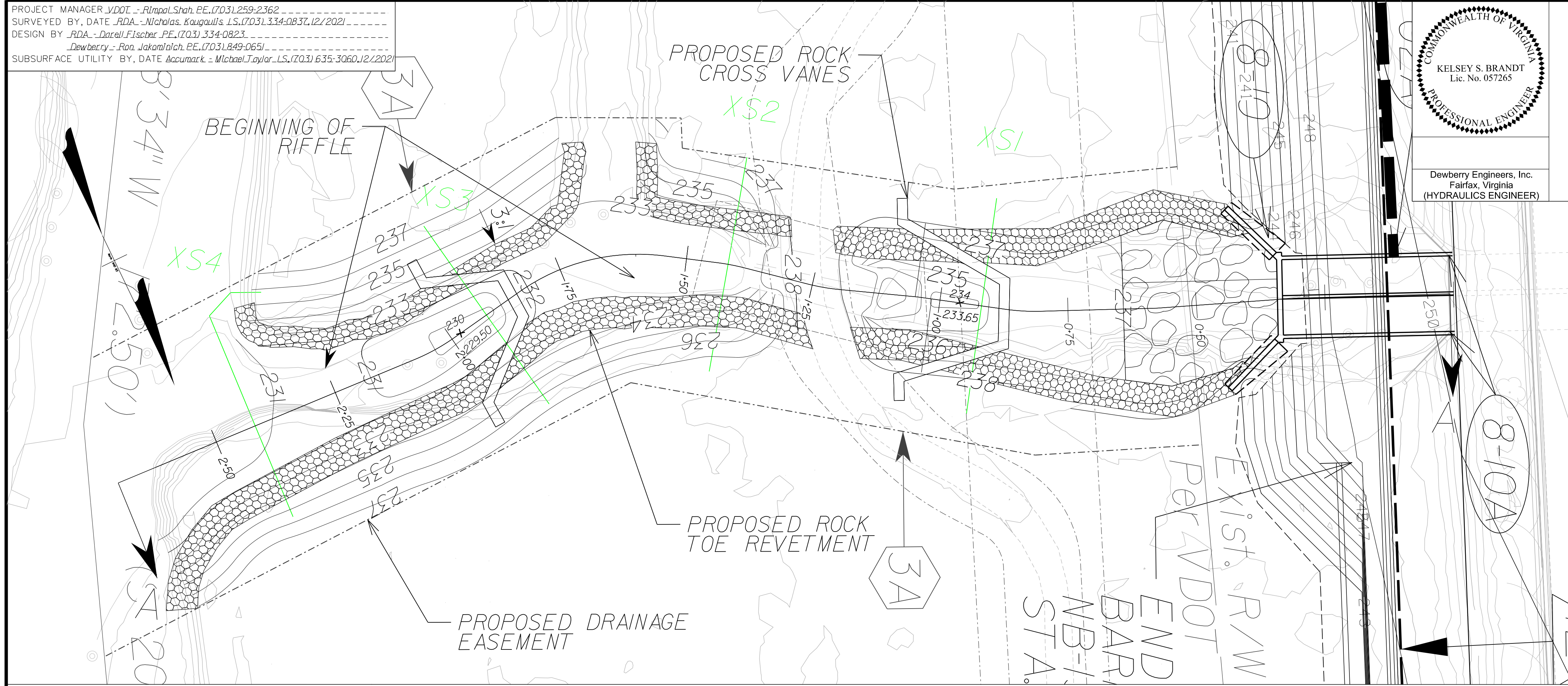
PROJECT MANAGER VDOT - Riprap, Str. PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas, Kougoullis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomilich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021



Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

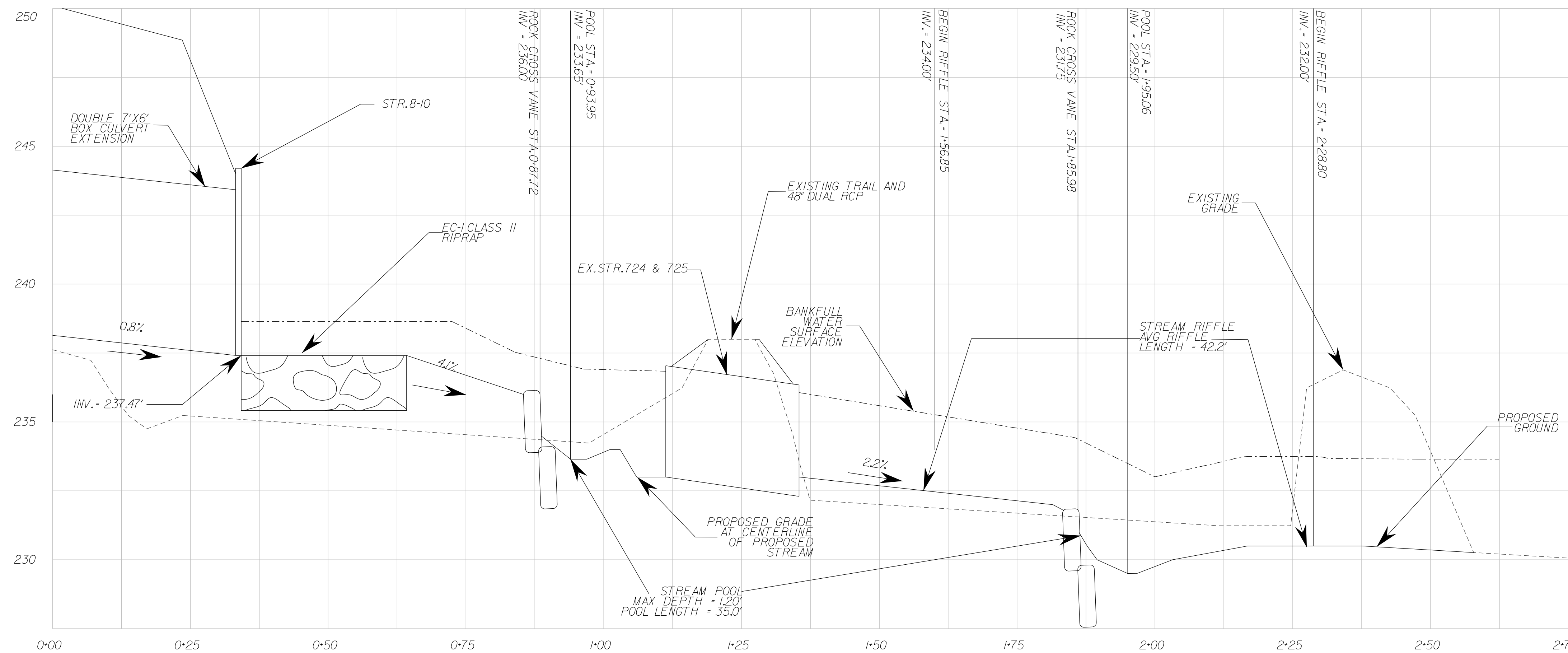
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M(04) AREA 2

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

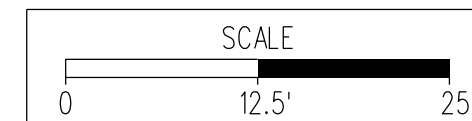


RESTORED OUTFALL PL23-4 STA. 60+75 I-495 NB PLAN VIEW

- NOTES:
1. See sheet 2M(5) for channel cross sections.
 2. See sheet 2M(6) for rock cross vane and rock toe revetment details.
 3. See sheet 2M(6) note 15 for further specifications for PL23-OUT4 restoration rock toe revetment.
 4. See sheet 2M(8) for detailed elevations for rock cross vanes.



RESTORED OUTFALL PL23-4 PROFILE A-A VERTICAL 1"=2.5' HORIZONTAL 1"=12.5'

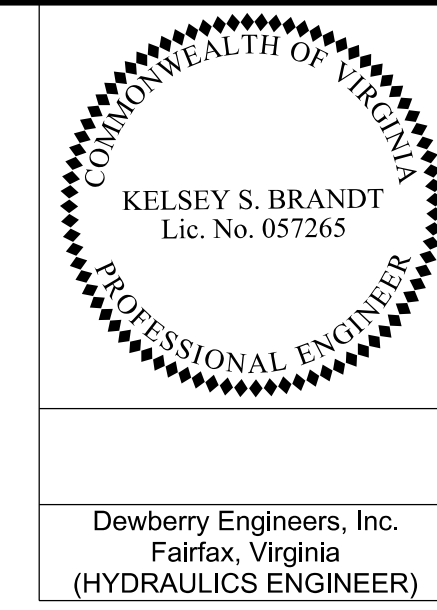


VDOT PROJECT NO. 0495-029-419	SHEET NO. 2M(04) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull's, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, LS (703) 635-3060, 12/2021

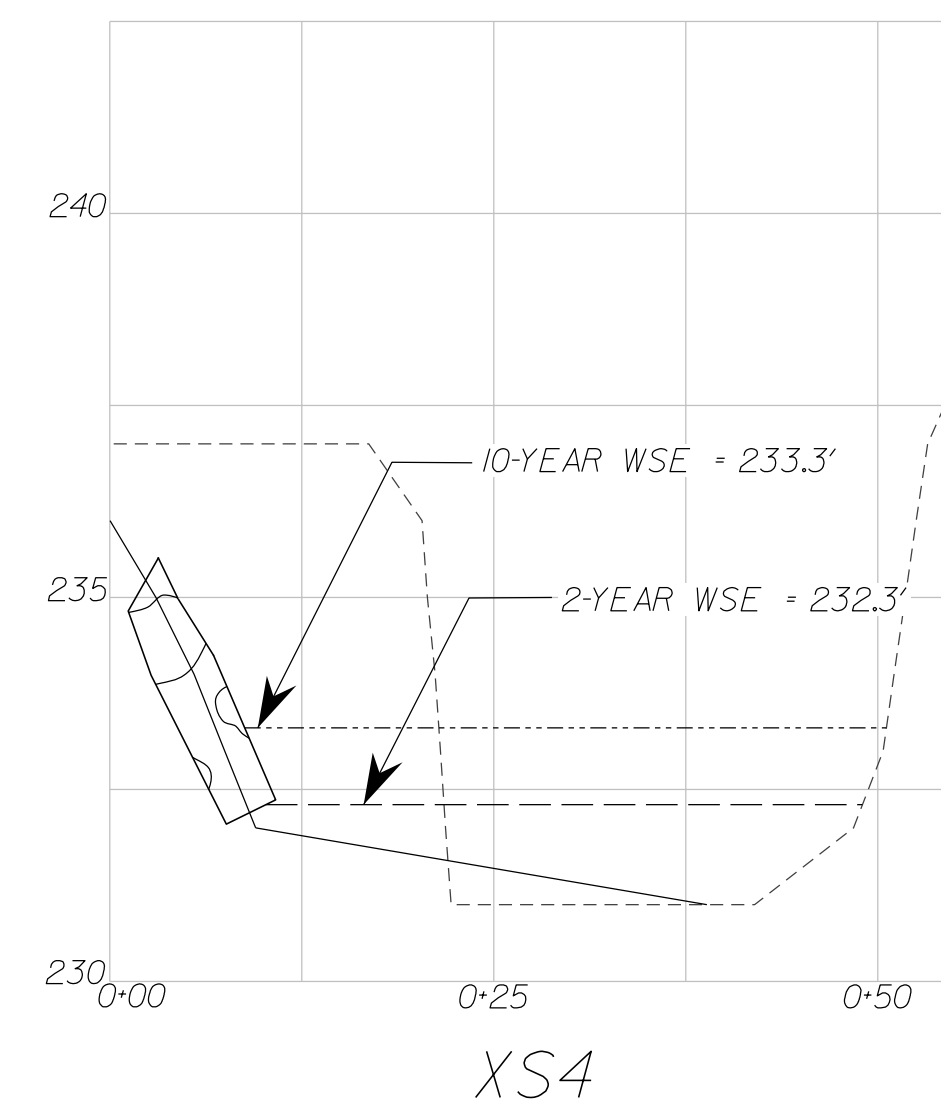
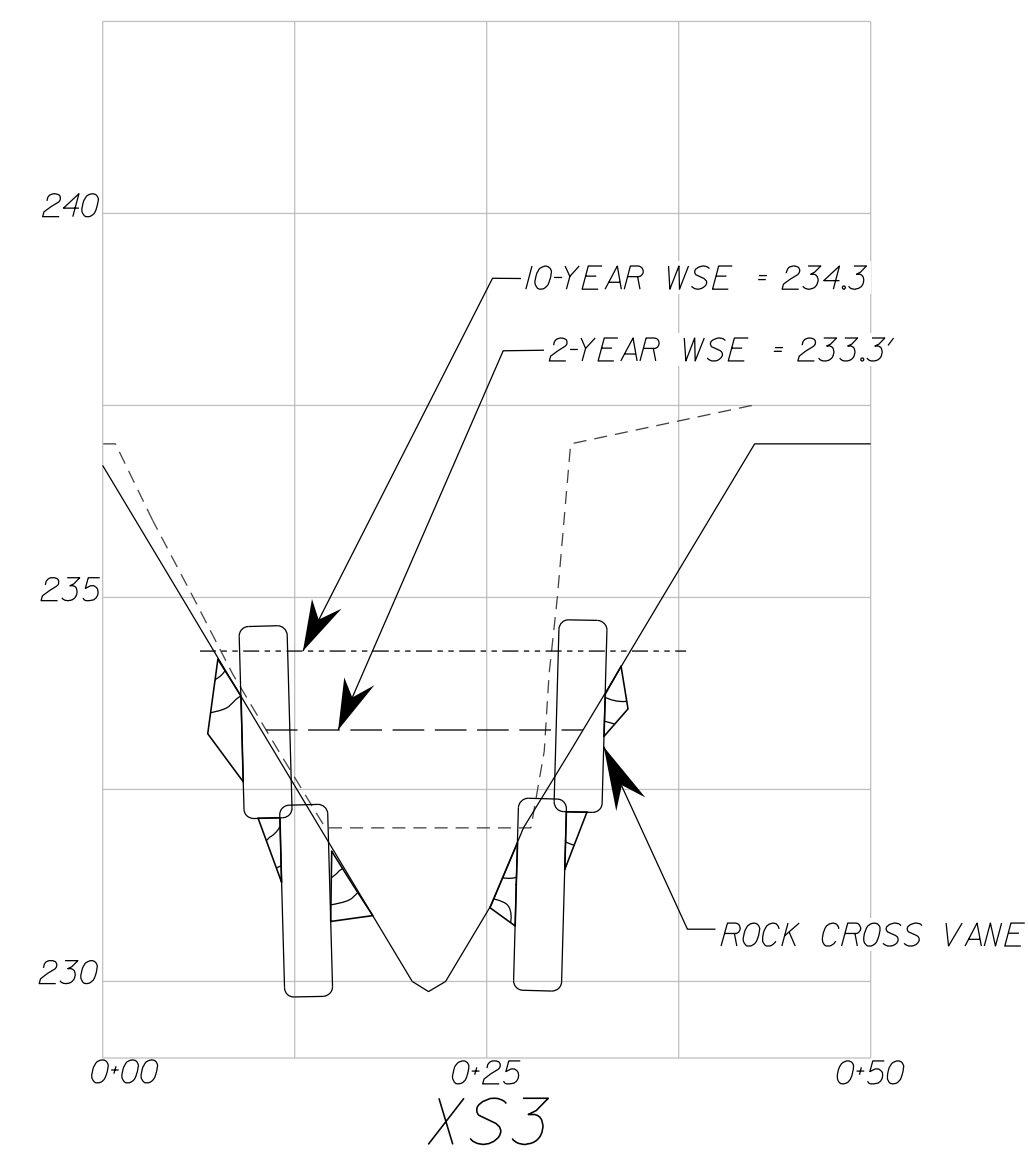
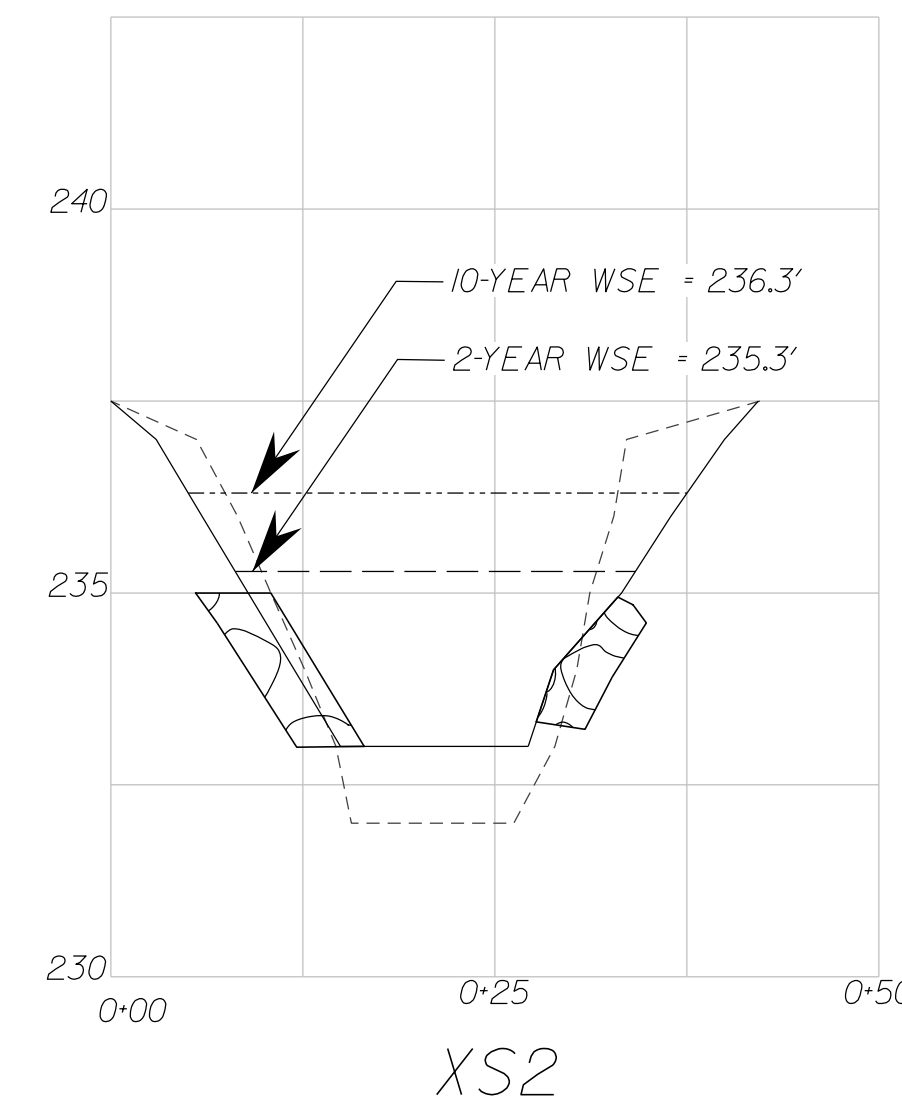
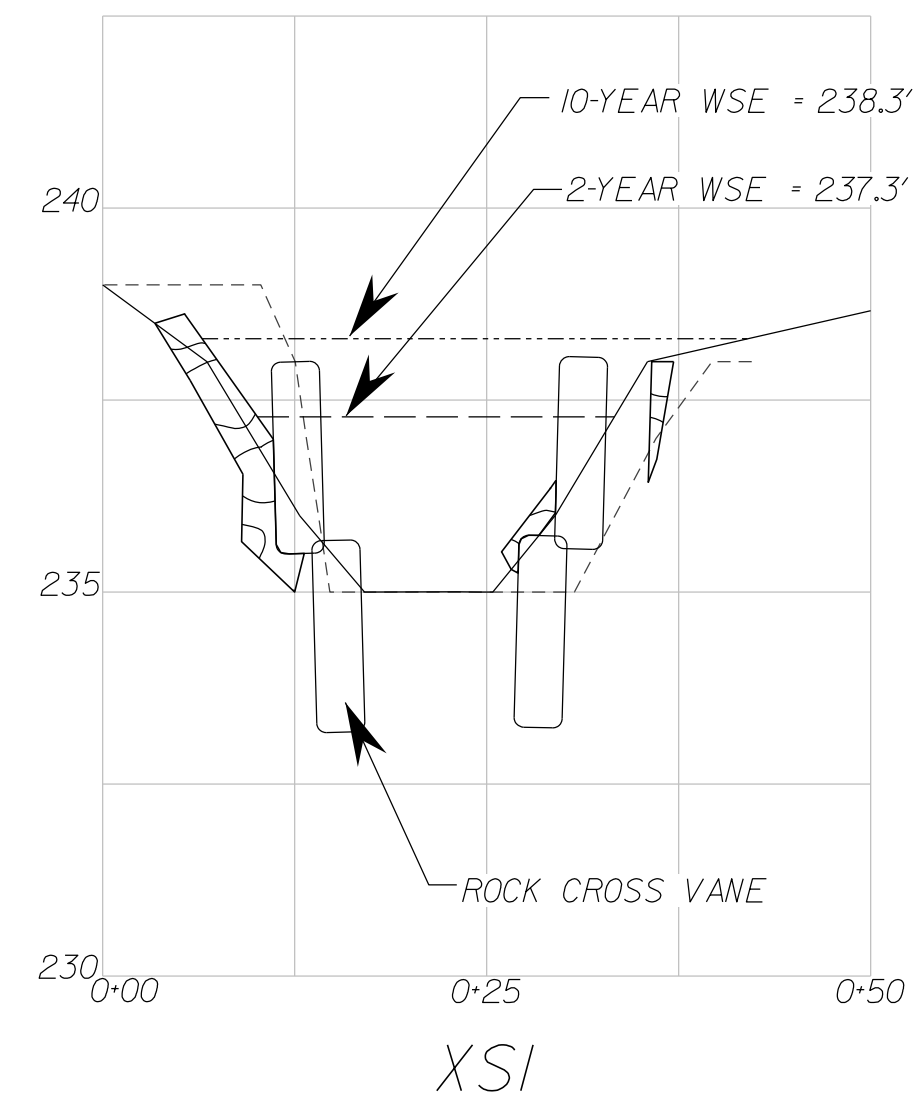


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M1051 AREA 2

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

RESTORED OUTFALL PL23-4

PROPOSED STREAM CROSS SECTIONS



LEGEND	
---	EXISTING GRADE
—	PROPOSED GRADE
---	10-YEAR WSE
---	2-YEAR WSE
[Pattern]	PROPOSED ROCK TOE REVENTMENT

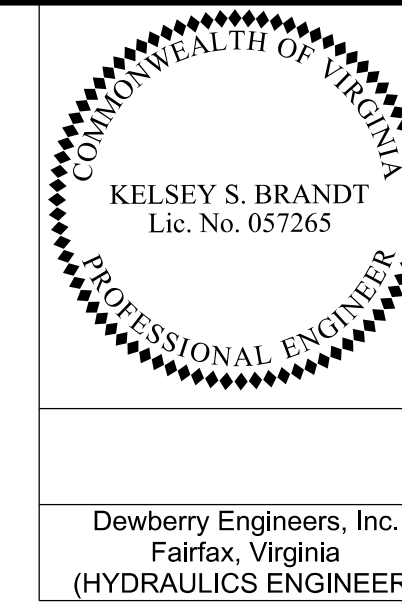
VERTICAL 1"=2.5'
HORIZONTAL 1"=12.5'

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

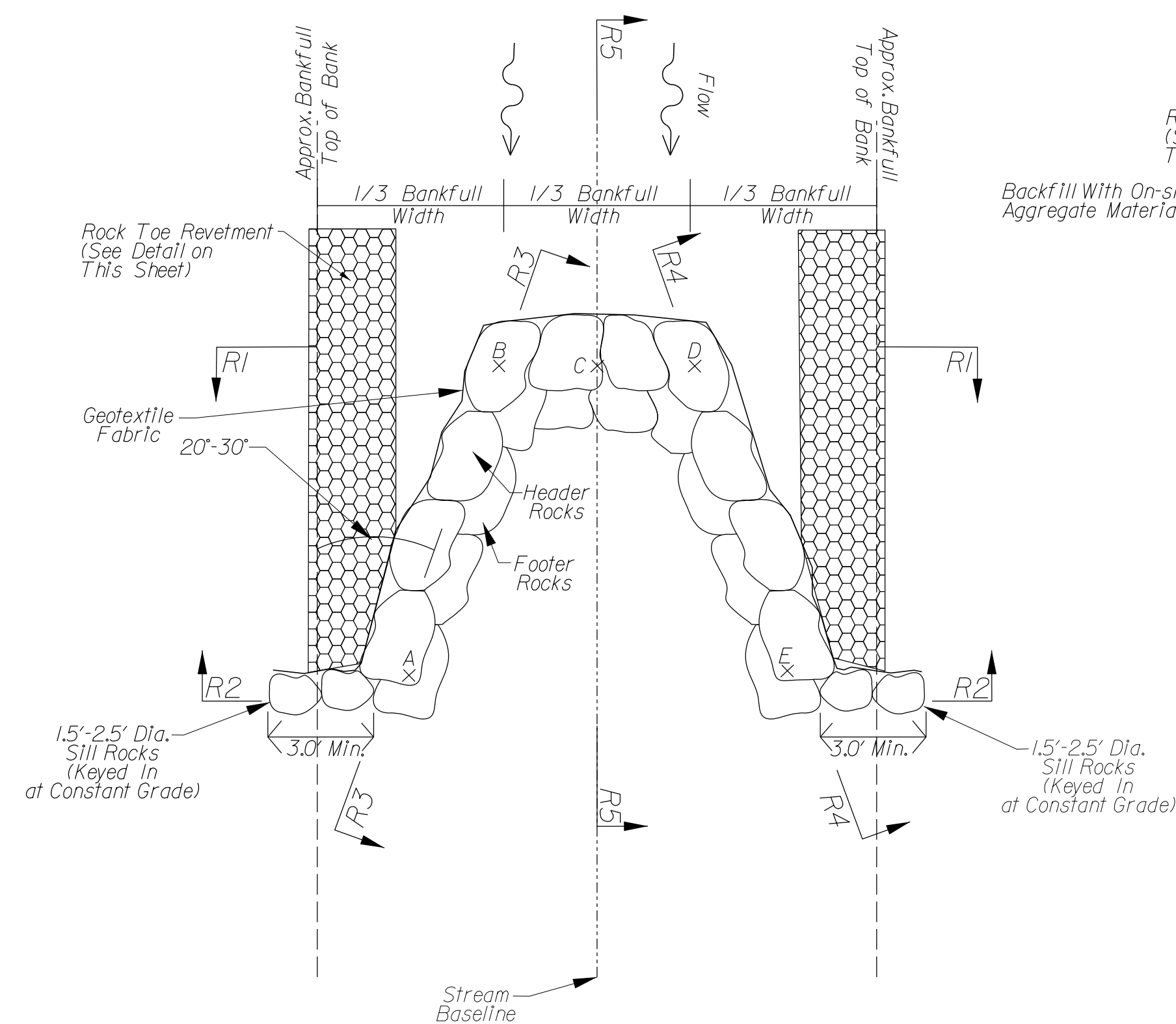
PROJECT MANAGER: VDOT - Riprap, Shrub, PE, (703) 259-2362
 SURVEYED BY, DATE: RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY: RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomlitch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE: Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M(06) AREA 2

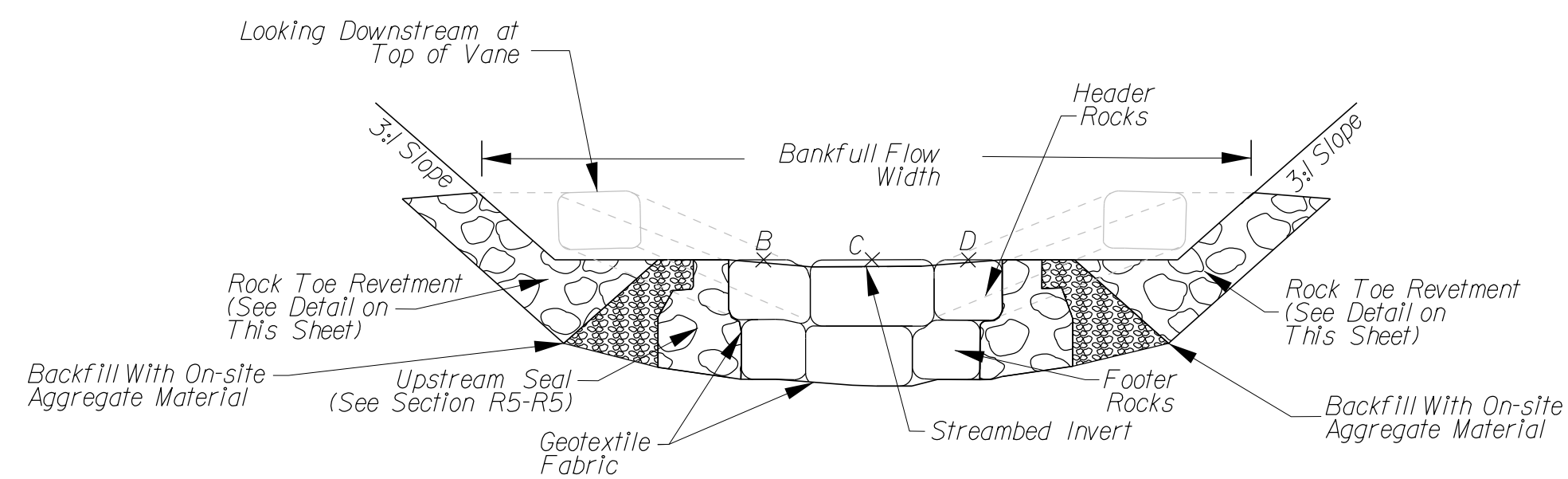
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

- NOTES:
- The cross vane grade control structure shall consist of header and footer rocks as shown in the details. In general, the header rocks should be rectangular and flat on each side. The footer rocks should also be rectangular but can be more angular provided the top is flat to provide a solid and continuous foundation for the header rocks to sit as detailed in the plans. Additionally, the sides of the footer rocks should also be relatively flat such that the interface between adjacent rocks is tight and secure.
 - All header and footer rocks shall be similar in size and have dimensions as shown in the summary of rock dimensions. Stones shall be interlocked, fit snugly together, and shall not rock or rotate in position once installed. All joints shall be offset, such that each header rock is centered on the intersection of two footer rocks, resting approximately half on each.
 - All header and footer rocks shall be placed with tight, continuous surface contact between them and all adjacent rocks. Rocks shall be placed so as to have no significant gap between them. All remaining small gaps/voids between structure rocks shall be chinked with cobble, gravel, and fine substrate material on the upstream side of the cross vane to form a tight fitting seal.
 - Header rocks shall be placed so as to have a relatively smooth surface along the top plane of the grade control structure.
 - The footer rocks shall have their tops at or below the lowest streambed elevation. If it is not possible to place the top of footer below streambed elevation, bottom of footer should be at least 1.5 feet below streambed elevation. Therefore, footing rocks are to be buried in the channel bottom and typically not seen when the structure is completed.
 - Header rocks should be offset upstream approximately half the width (Y-axis dimension) of the footer rock, such that the footer rock sticks out on the downstream side of all header rocks, as shown in the detail.
 - Cross vane rocks shall be placed on a slight angle (tilted away from the stream, i.e. downstream side of a rock is slightly higher than upstream end, about the X-axis). This helps prevent the header rocks from rolling or sliding off the footer rocks.
 - Woven geotextile fabric shall be used such as Mirafi 600X or approved equivalent.
 - All geotextile fabric shall be keyed in at least 6 inches.
 - After installation of filter fabric, all excess filter fabric shall be trimmed to just below finished grade. No filter fabric shall be visible after construction of each grade control structure.
 - In areas where proposed stream corridor is built on fill, compacted structural fill per county and/or geotechnical recommendations is required.
 - Backfill area between vanes and banks with reinforced bed material. Backfill shall be compacted to avoid settlement and subsurface flow.
 - All sill rocks shall have an intermediate dimension (Y) of at least 18-30 inches and shall be installed with their tops flush with the ground.
 - Details provided are not to scale and represents a typical representation only; final dimensions and elevations shown in the table on sheet 2M(08) shall be used for construction.
 - Use riprap sized under 18" x 18" x 18" downstream of Outfall 4 (sheet 2M(04)) from streamline station 0+34.23 - 1+19.47.



ROCK CROSS VANE

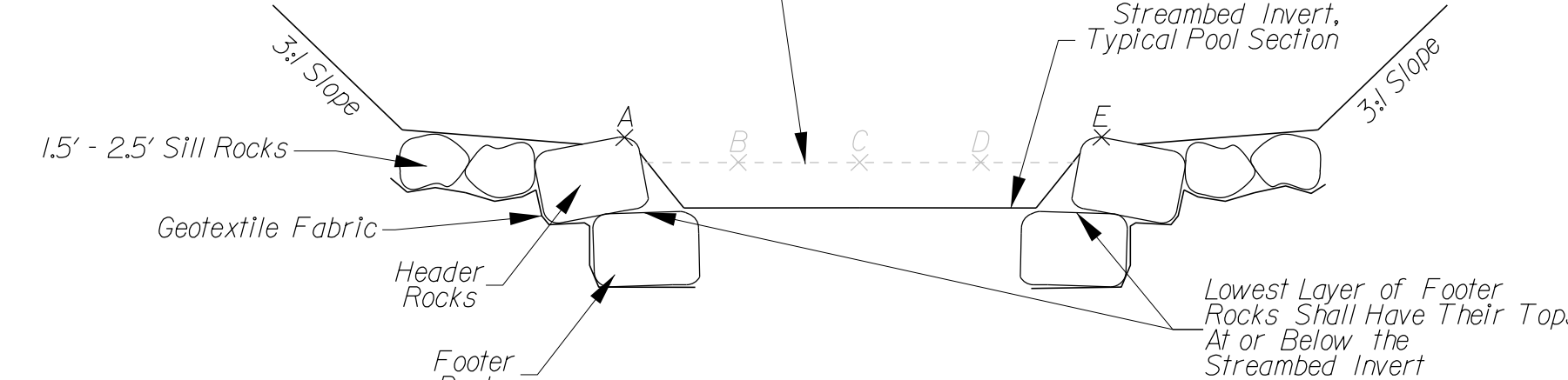
(NTS) (Rock Quantities & Sizes Variable)
 NOTE: See sheet 2M(08) for detailed elevations for points A-E.



TYP. SECTION R1-R1

(NTS) (Rock Quantities & Sizes Variable)

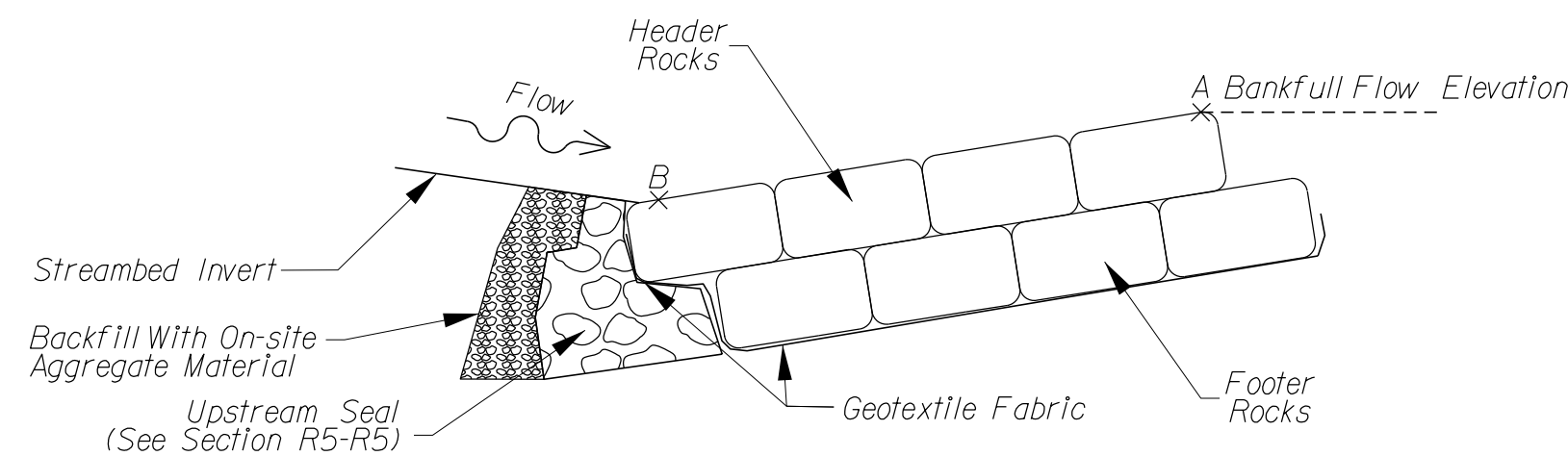
Note: Hand Place Smaller Riprap to Minimize Voids
 Max Header Rock Protrusion Above Upstream Bed 6"
 EL.B + EL.C = EL.D



TYP. SECTION R2-R2

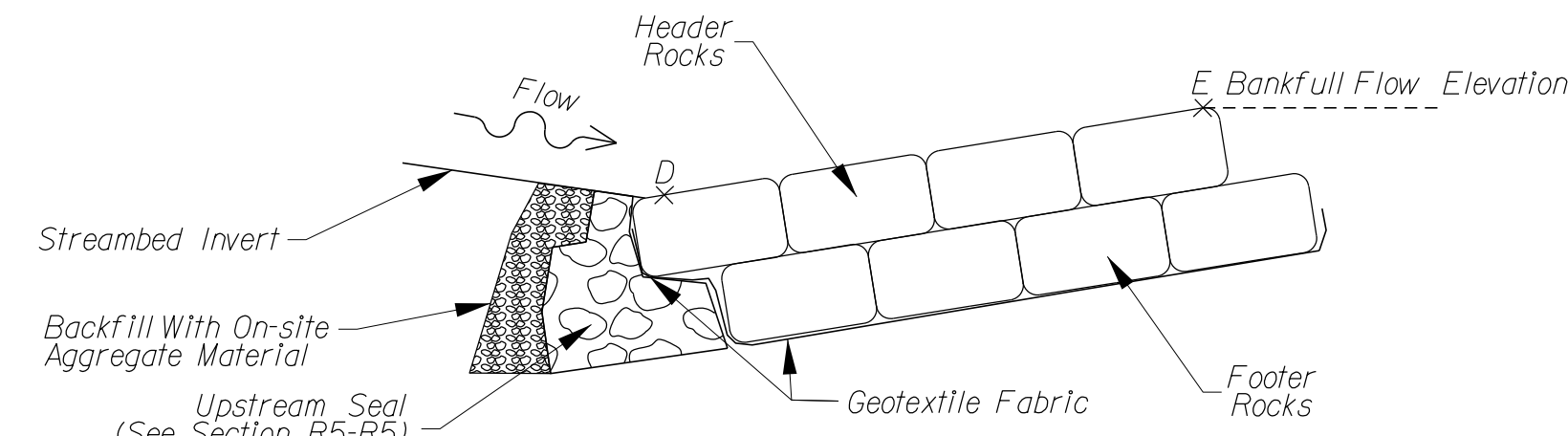
(NTS) (Rock Quantities & Sizes Variable)

EL.A + EL.E = Bankfull Flow Elevation



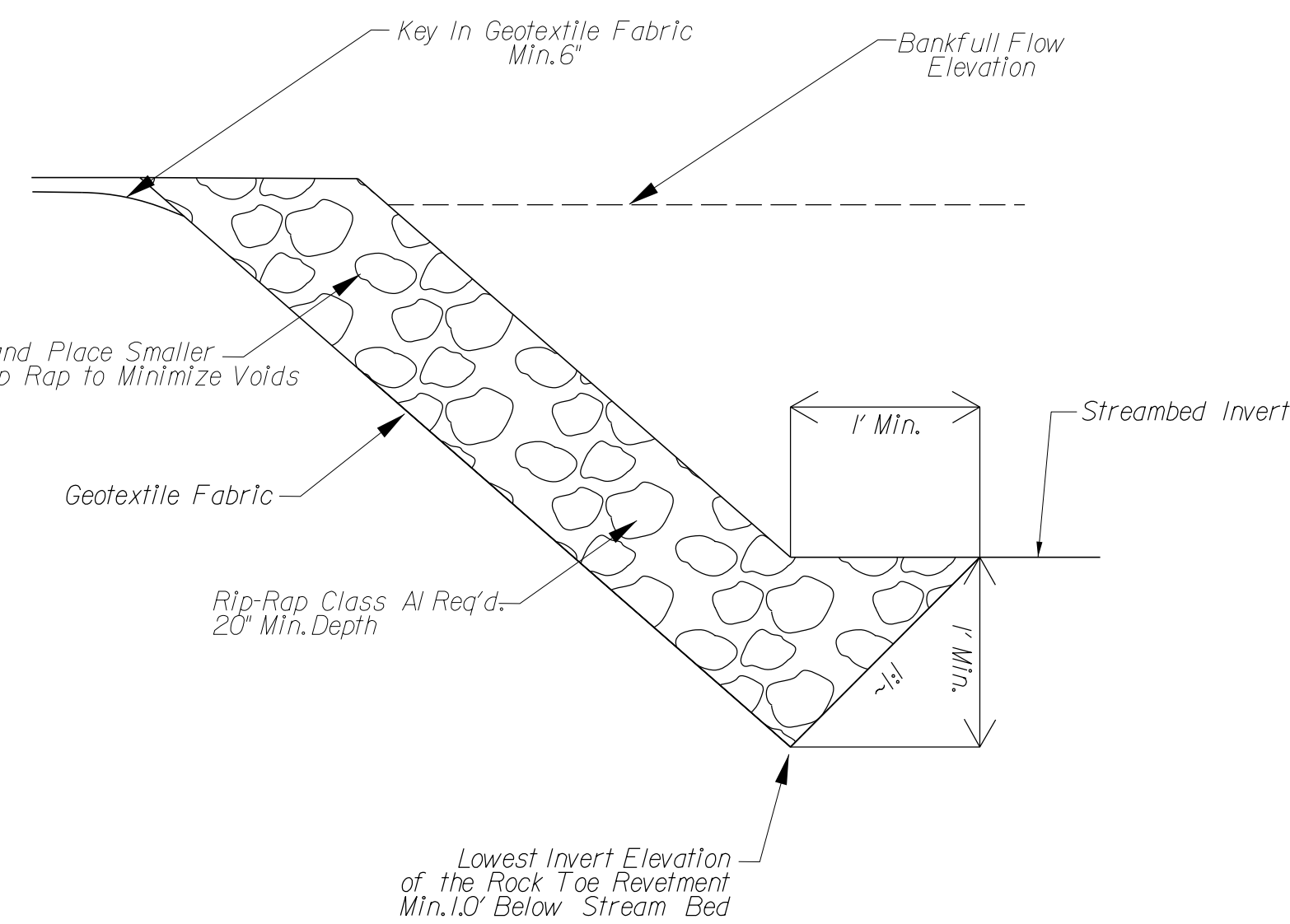
TYP. SECTION R3-R3

(NTS) (Rock Quantities & Sizes Variable)



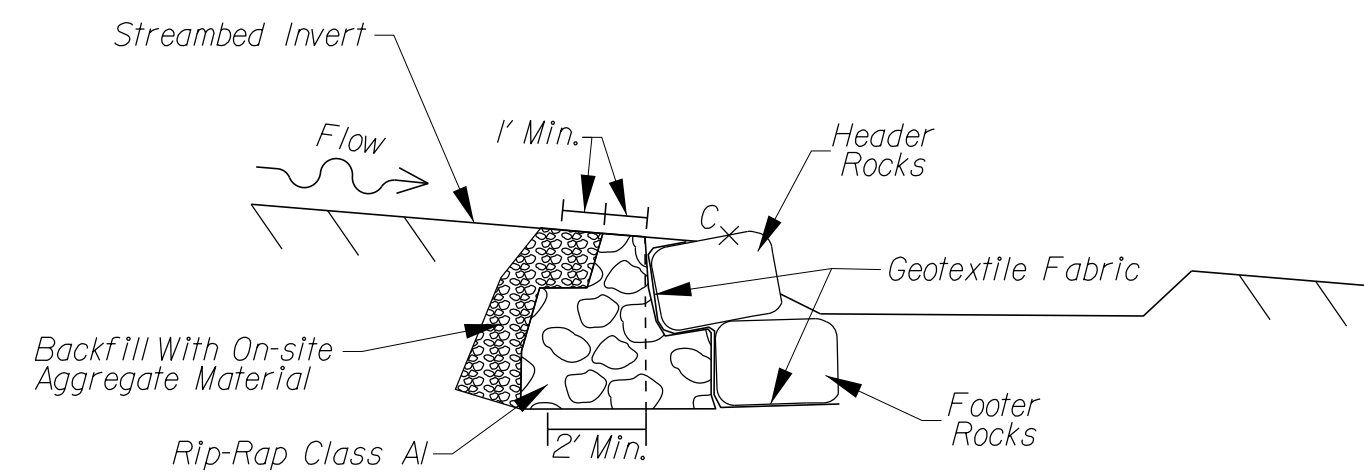
TYP. SECTION R4-R4

(NTS) (Rock Quantities & Sizes Variable)



ROCK TOE REVETMENT

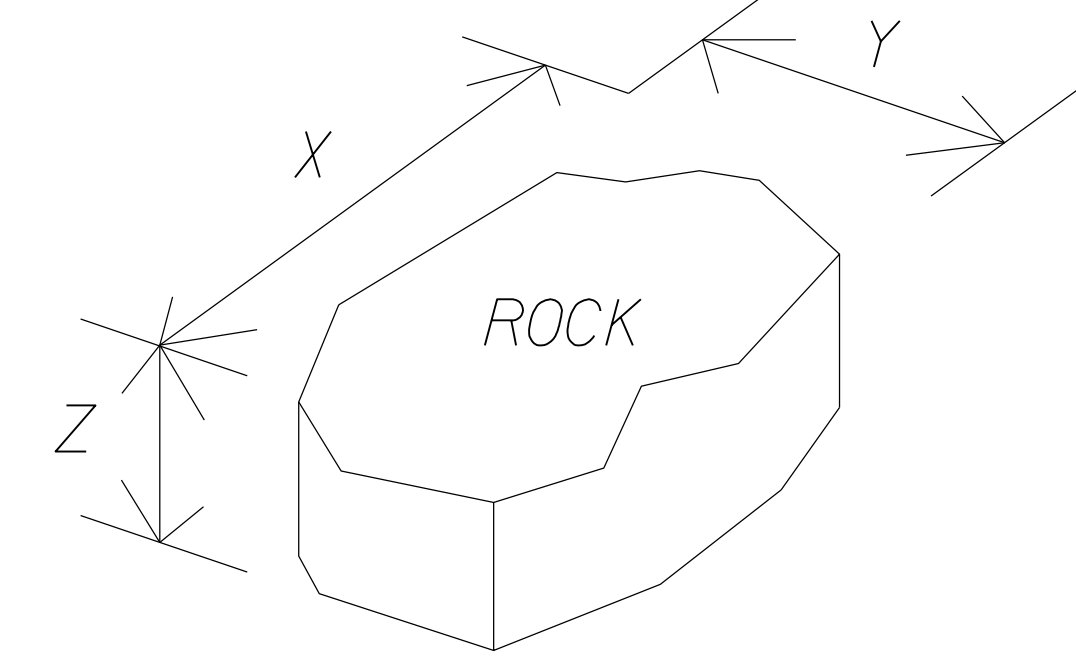
Profile View (NTS)
 NOTE: see note 15 for further specifications for PL23-OUT4 restoration rock toe revetment



TYP. SECTION R5-R5

(NTS) (Rock Quantities & Sizes Variable)

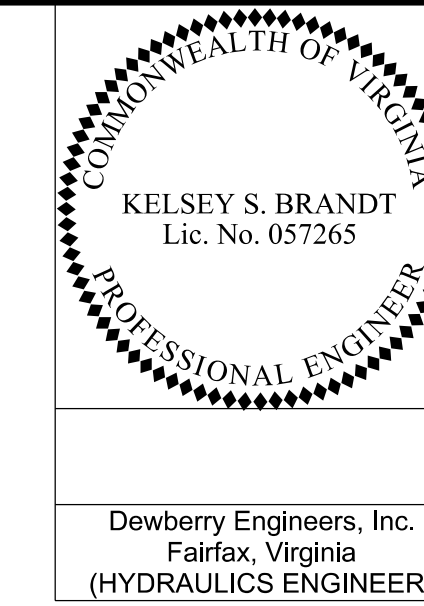
Upstream Seal Consisting of Riprap and On-site Aggregate Begins Behind the Invert of the Vane Structure and Ends At the Intersection of the Vane Arm and the Rock Toe Revetment



Type	Rock Dimensions (PL23-OUT2)			Rock Dimensions (PL23-OUT4)		
	X-AXIS	Y-AXIS	Z-AXIS	X-AXIS	Y-AXIS	Z-AXIS
Header Rock	3-4 FT	2-3 FT	Approx. 2.0 FT	4-5 FT	3-4 FT	2-3 FT
Footer Rock	3-4 FT	2-3 FT	Approx. 2.0 FT	4-5 FT	3-4 FT	2-3 FT
Sill Rock	1.5-2.5 FT	1.5-2.5 FT	1.5-2.5 FT	1.5-2.5 FT	1.5-2.5 FT	1.5-2.5 FT

APPROVED FOR CONSTRUCTION

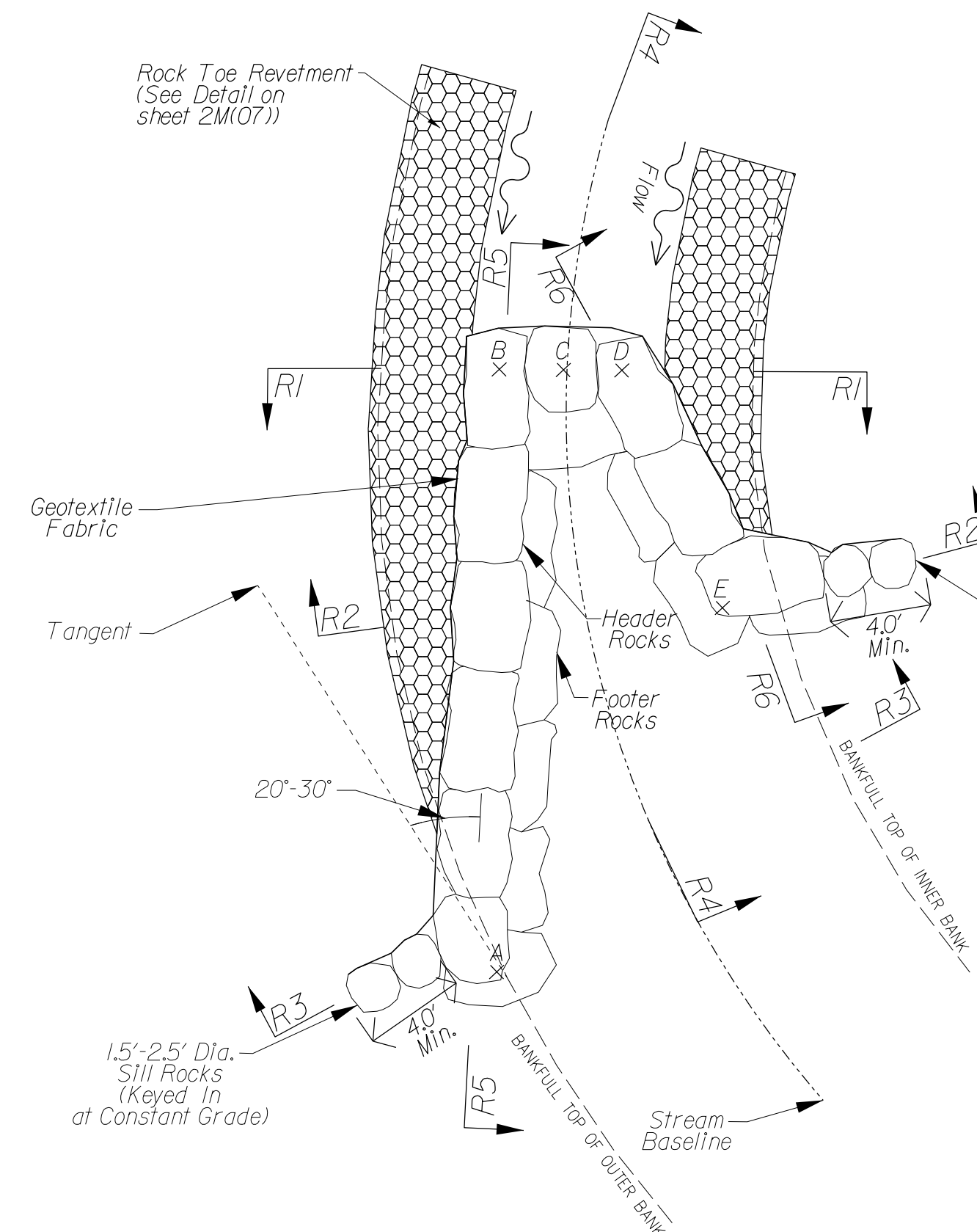
PROJECT MANAGER VDOT - Riprap, Shab, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas, Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell, Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael, Taylor, LS, (703) 635-3060, 12/2021



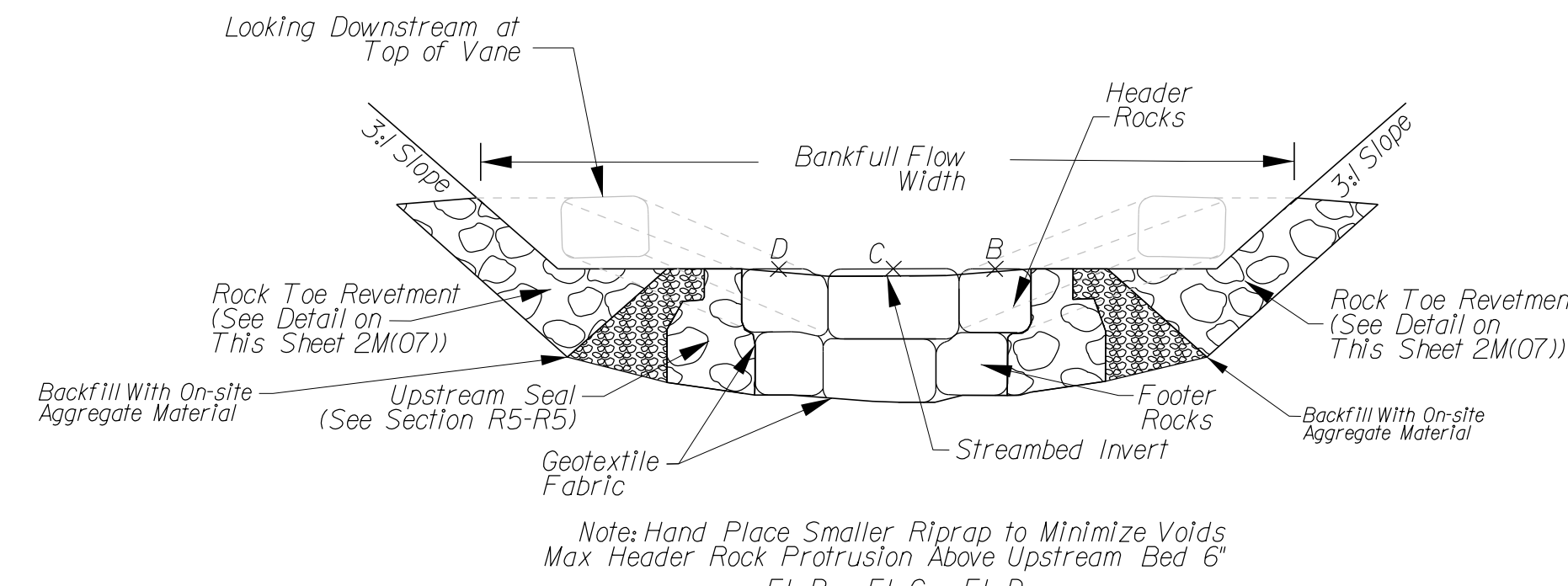
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2M(07) AREA 2

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

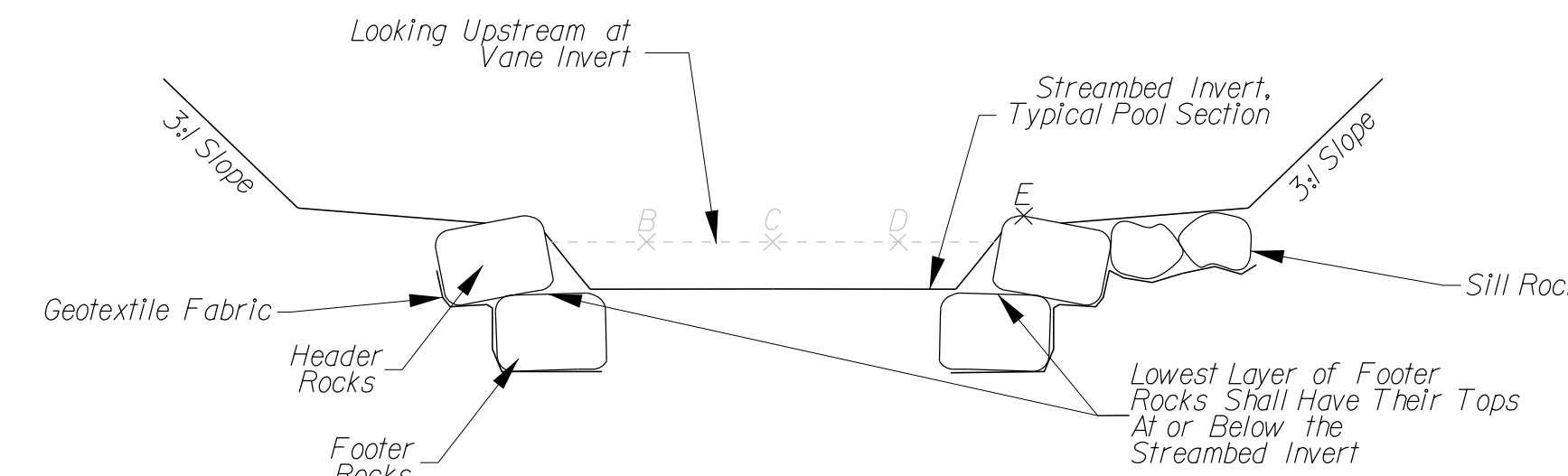
- NOTES:
- The cross vane grade control structure shall consist of header and footer rocks as shown in the details. In general, the header rocks shall be rectangular and flat on each side. The footer rocks should also be rectangular but can be more angular provided the top is flat to provide a solid and continuous foundation for the header rocks to sit as detailed in the plans. Additionally, the sides of the footer rocks should also be relatively flat such that the interface between all adjacent rocks is tight and secure.
 - All header and footer rocks shall be similar in size and have dimensions as shown in the summary of rock dimensions. Stones shall be interlocked, fit snugly together, and shall not rock or rotate in position once installed. All joints shall be offset, such that each header rock is centered on the intersection of two footer rocks, resting approximately half on each.
 - All header and footer rocks shall be placed with tight, continuous surface contact between them and all adjacent rocks. Rocks shall be placed so as to have no significant gap between them. All remaining small gaps/voids between structure rocks shall be chinked with cobble, gravel, and fine substrate material on the upstream side of the cross vane to form a tight fitting seal.
 - Header rocks shall be placed so as to have a relatively smooth surface along the top plane of the grade control structure.
 - The footer rocks shall have their tops at or below the lowest streambed elevation. If it is not possible to place the top of footer below streambed elevation, bottom of footer should be at least 1.5 feet below streambed elevation. Therefore, footer rocks are to be buried in the channel bottom and typically not seen when the structure is completed.
 - Header rocks should be offset upstream approximately half the width (Y-axis dimension) of the footer rock, such that the footer rock sticks out on the downstream side of all header rocks, as shown in the detail.
 - Cross vane rocks shall be placed on a slight angle (tilted away from the stream, i.e. downstream side of rock is slightly higher than upstream end, about the X-axis). This helps prevent the header rocks from rolling or sliding off the footer rocks.
 - Woven geotextile fabric shall be used such as Mirafi 600X or approved equivalent.
 - All geotextile fabric shall be keyed in at least 6 inches.
 - After installation of filter fabric, all excess filter fabric shall be trimmed to just below finished grade. No filter fabric shall be visible after construction of each grade control structure.
 - In areas where proposed stream corridor is built on fill, compacted structural filler per county and/or geotechnical recommendations is required.
 - Backfill area between vanes and banks with reinforced bed material. Backfill shall be compacted to avoid settlement and subsurface flow.
 - All sill rocks shall have an intermediate dimension (Y) of at least 18-30 inches and shall be installed with their tops flush with the ground.
 - Details provided are not to scale and represents a typical representation only; final dimensions and elevations shown in the table on sheet 2M(08) shall be used for construction.



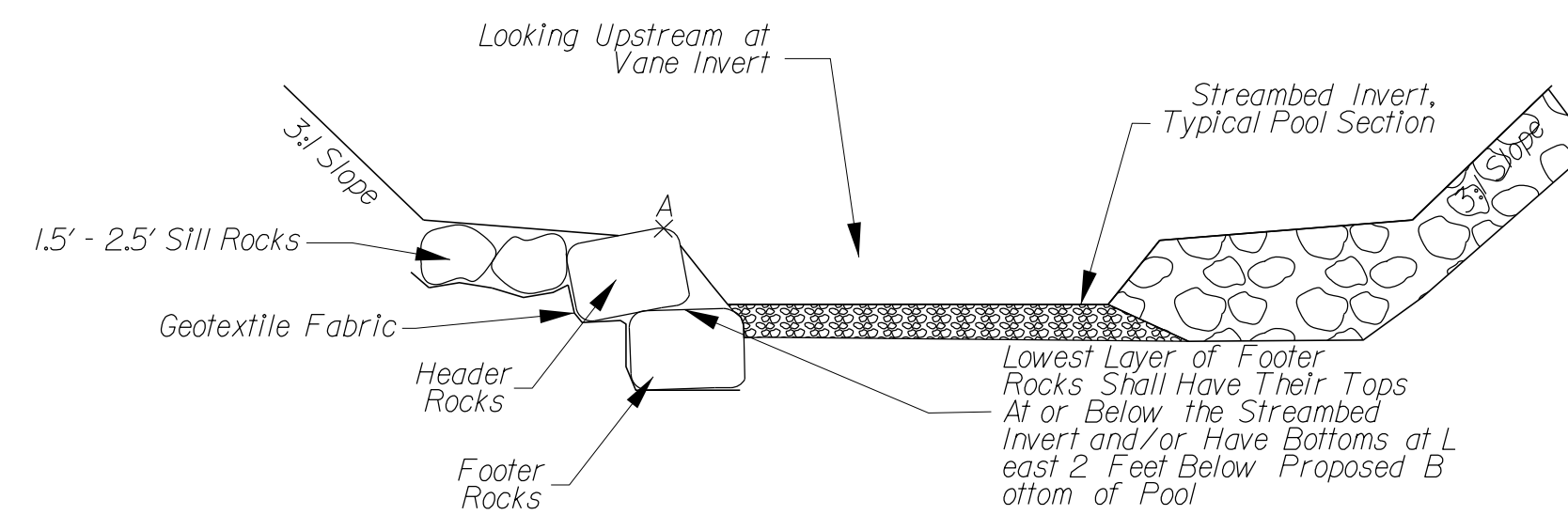
MODIFIED ROCK CROSS VANE
 (NTS) (Rock Quantities & Sizes Variable)
 NOTE: See sheet 2M(08) for detailed elevations for points A-E.



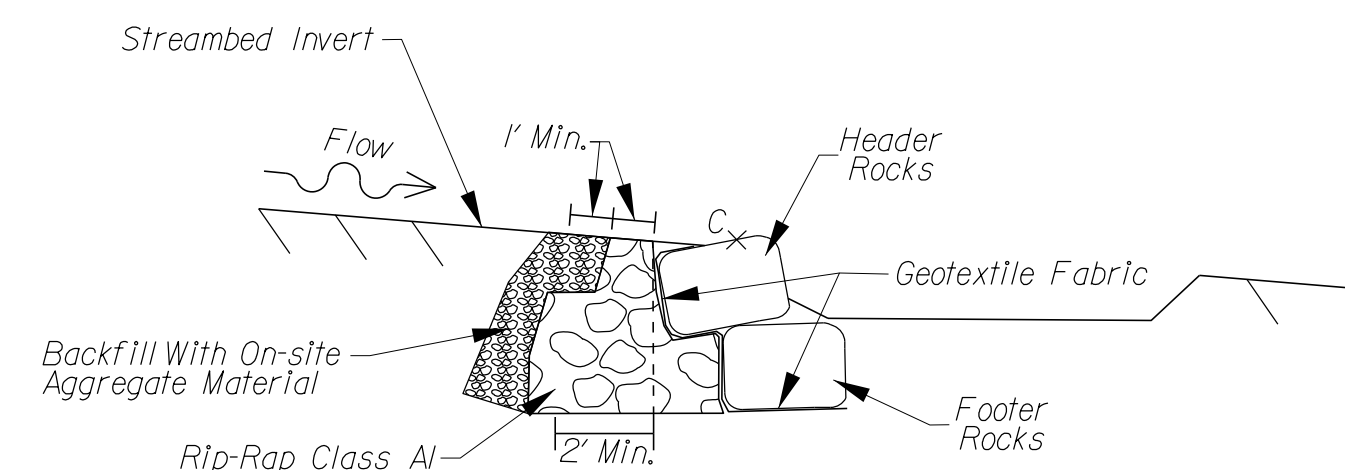
TYP. SECTION R1-R1
 (NTS) (Rock Quantities & Sizes Variable)



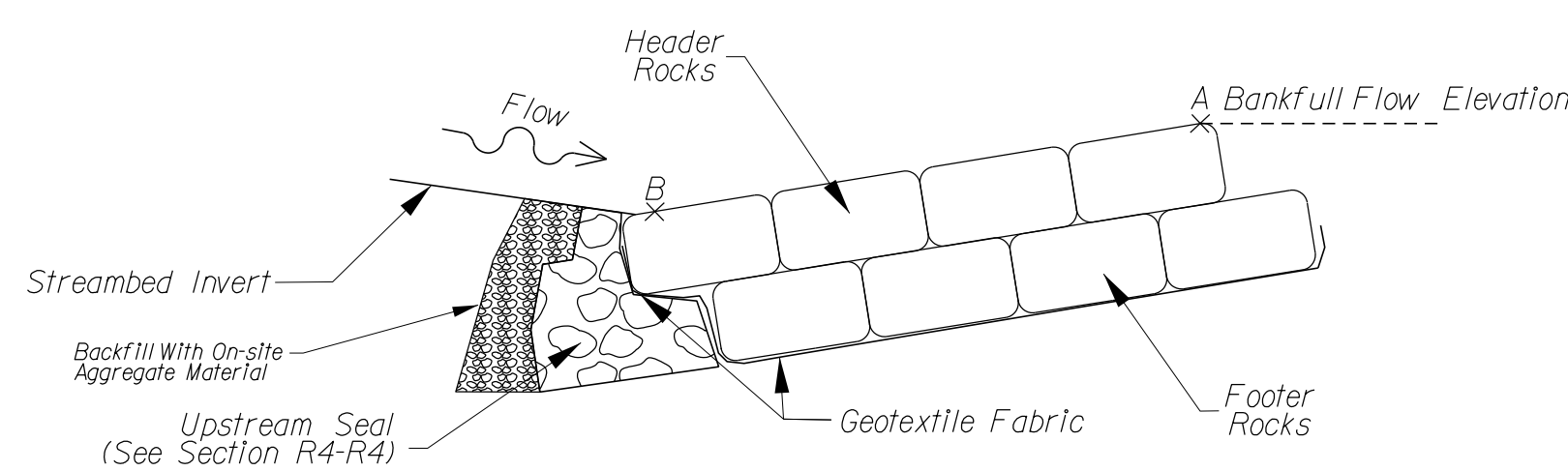
TYP. SECTION R2-R2
 (NTS) (Rock Quantities & Sizes Variable)



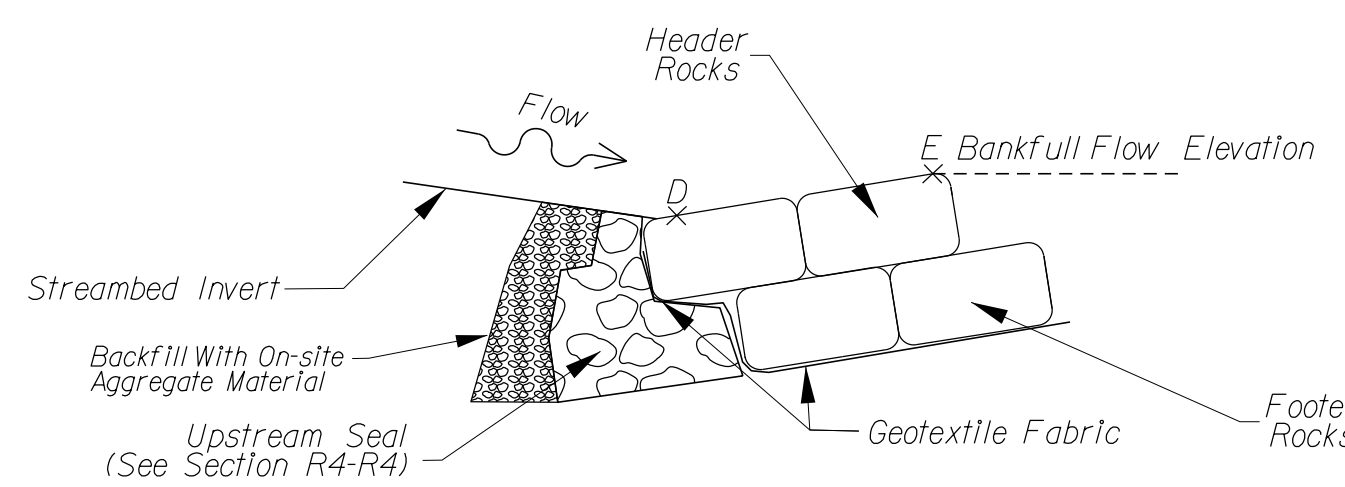
TYP. SECTION R3-R3
 (NTS) (Rock Quantities & Sizes Variable)



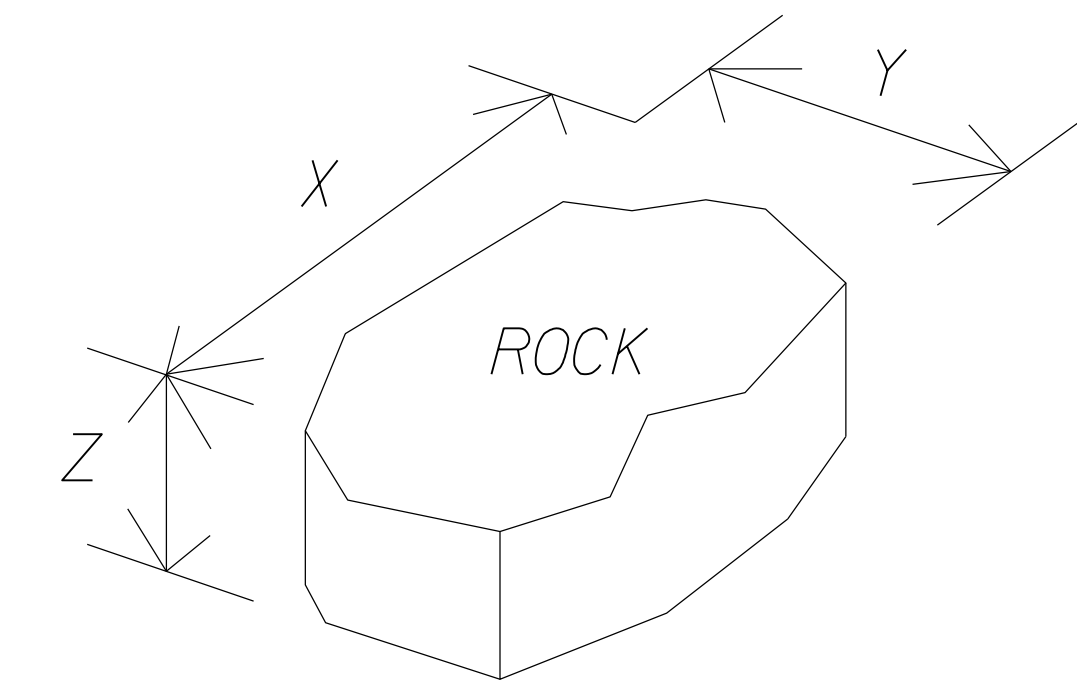
TYP. SECTION R4-R4
 (NTS) (Rock Quantities & Sizes Variable)



TYP. SECTION R5-R5
 (NTS) (Rock Quantities & Sizes Variable)



TYP. SECTION R6-R6
 (NTS) (Rock Quantities & Sizes Variable)



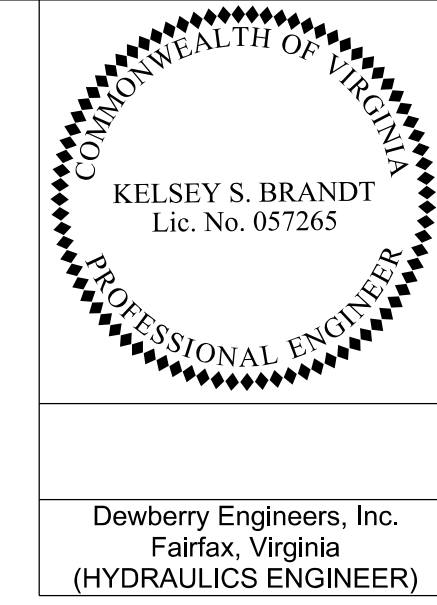
NOTE: See sheet 2M(06) for rock dimensions.

SCALE 0 25' 50'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2M(07) AREA 2
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APPROVED FOR CONSTRUCTION

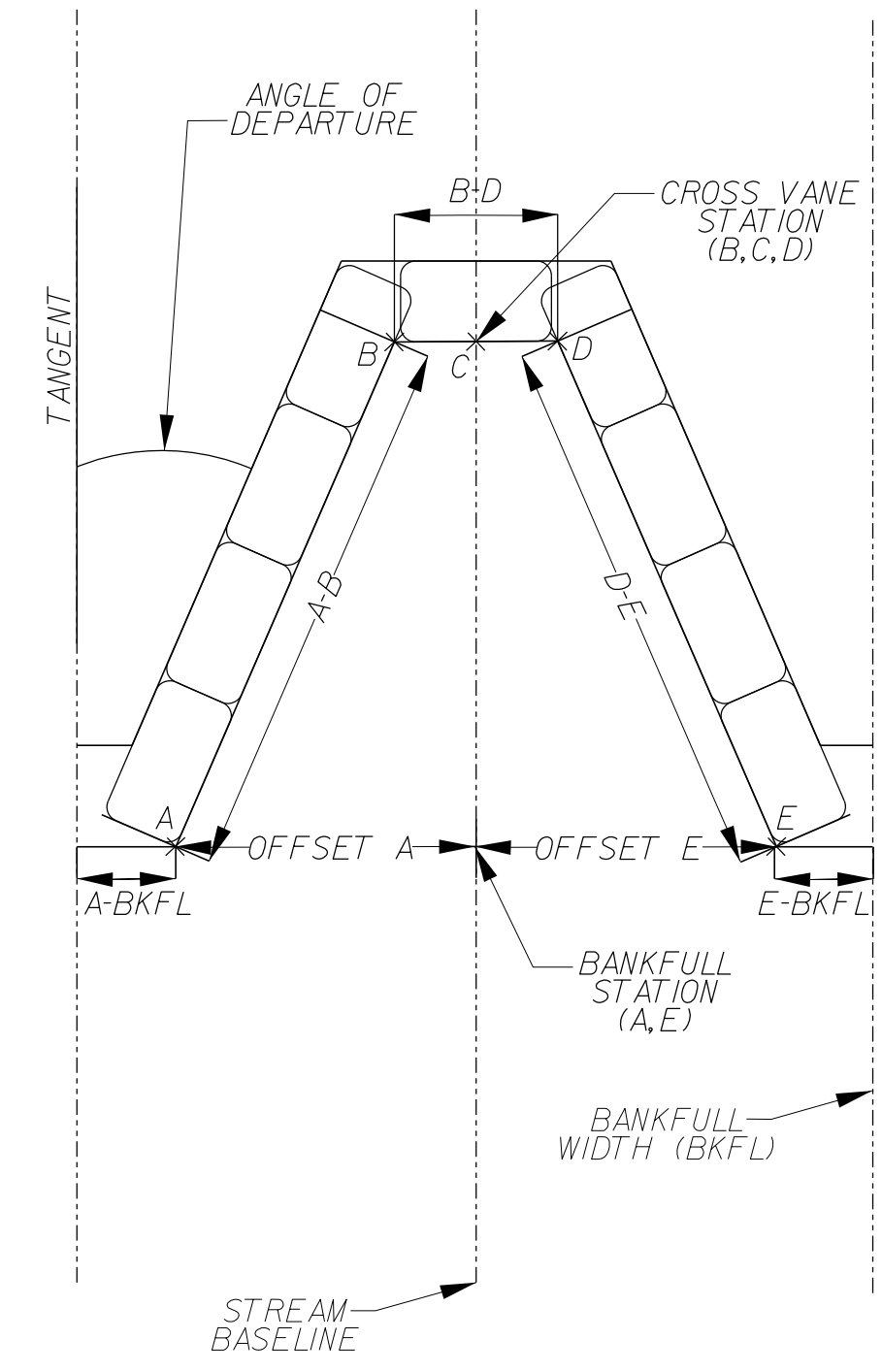
NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull's, L.S. (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakomlitch, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, L.S. (703) 635-3060, 12/2021

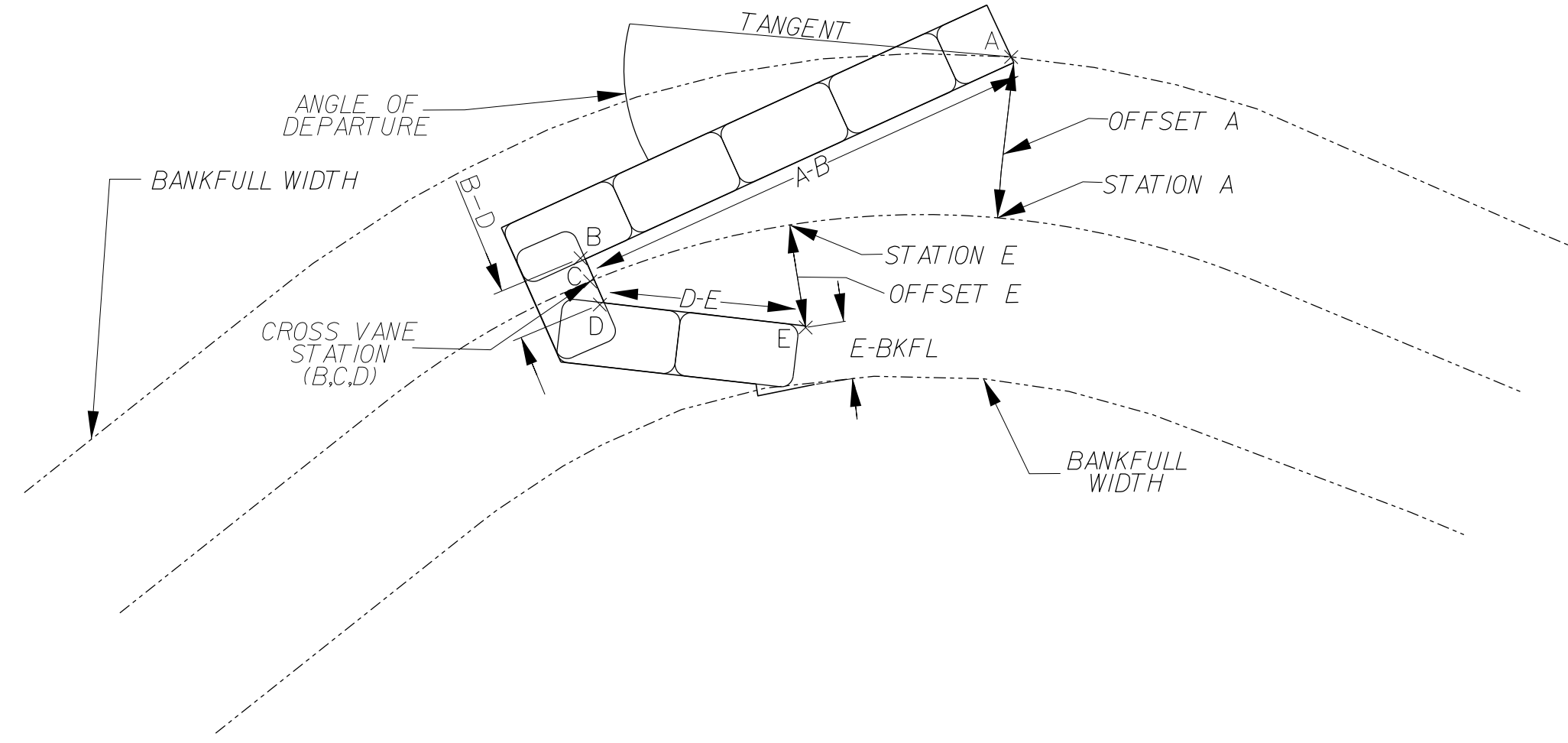


REVISED	STATE	ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA	495	0495-029-419 C501 RW201	2(M08) AREA 2

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



ROCK CROSS VANE SCHEMATIC DETAIL (NTS)



MODIFIED ROCK CROSS VANE SCHEMATIC DETAIL (NTS)

CROSS VANE PARAMETERS - PL23-2																
VANE TYPE	STATION			ELEVATION (FT)					LENGTH (FT)			OFFSET (FT)		ANGLE OF DEPARTURE	SLOPE (FT/FT)	
	CROSS VANE	E	A	A	B	C	D	E	A-B	B-D	D-E	E	A		A-B	D-E
MODIFIED ROCK CROSS VANE (upstream)	0+42.80	0+49.17	0+67.49	246.75	245.85	245.85	245.85	246.25	26.95	4.39	6.64	6.20	7.47	26.2	0.033	0.060
ROCK CROSS VANE (upstream)	0+77.52	0+87.52	0+87.52	245.34	244.76	244.76	244.76	245.34	10.80	4.00	10.80	6.00	6.00	22.1	0.054	0.054
MODIFIED ROCK CROSS VANE (downstream)	1+06.45	1+13.04	1+16.80	244.75	243.91	243.91	243.91	244.25	22.82	4.39	6.64	5.46	8.04	22.5	0.037	0.051
ROCK CROSS VANE (downstream)	1+50.76	1+60.50	1+60.50	243.00	242.46	242.46	242.46	243.00	10.80	4.00	10.80	6.00	6.00	21.5	0.050	0.050

CROSS VANE PARAMETERS - PL23-4																
VANE TYPE	STATION			ELEVATION (FT)					LENGTH (FT)			OFFSET (FT)		ANGLE OF DEPARTURE	SLOPE (FT/FT)	
	CROSS VANE	E	A	A	B	C	D	E	A-B	B-D	D-E	E	A		A-B	D-E
ROCK CROSS VANE (upstream)	0+88.43	1+08.52	1+08.52	238.00	236.00	236.00	236.00	238.00	22.93	11.00	21.32	14.40	14.40	22.2	0.087	0.094
ROCK CROSS VANE (downstream)	1+86.68	2+00.62	2+00.62	233.25	231.75	231.75	231.75	234.00	15.12	8.00	18.02	11.58	13.58	29.2	0.099	0.125

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Ritapal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugauls, LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
Dewberry - Ron Jakomlitch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS, (703) 635-3060, 12/2021

Roadside Development Area 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2N AREA 2

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

CORE MIX

MIX	LBS./ACRES	DESCRIPTION
1	▲	* 100% CERTIFIED FINE FESCUE
2	▲	100% CERTIFIED TALL FESCUE
3	▲ 200 100	50% CERTIFIED TALL FESCUE * 50% CERTIFIED FINE FESCUE
4	▲	50% CERTIFIED TALL FESUE 50% CERTIFIED KENTUCKY BLUEGRASS
5	▲	100% BERMUDAGRASS

ADDITIVES

TYPE	LBS./ACRES	DESCRIPTION
A	▲	100% LOVEGRASS
B	▲ 10	100% BARLEY, WINTER RYE OR WINTER WHEAT
C	▲ 10	100% FOXTAIL MILLET
D	▲ 25	100% ANNUAL RYEGRASS
E	▲	100% BIRDSFOOT TREFOIL (LEGUME)
F	▲ 70	* * POLLINATOR SEED MIX

SEEDING SCHEDULE

CODES LISTED IN TABLE REFER TO THE LISTS OF CORE MIXES & ADDITIVES, WHICH SHOW SEED NAMES & APPLICATION RATES FOR THIS PROJECT.	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE
	SPRING MONTH & DATE		SUMMER MONTH & DATE		FALL MONTH & DATE		WINTER/DORMANT MONTH & DATE	
	3/1 - 5/15		5/16 - 9/15		9/15 - 11/15		11/16 - 2/29	
PROJECT NUMBERS AND/OR LOCATION	3D	3D	3C	3C	3D	3D	3B	3B
* SPECIFIED TYPE(S) OF FINE FESCUE	CREEPING RED	CREEPING RED	CREEPING RED	CREEPING RED	CREEPING RED	CREEPING RED	CREEPING RED	CREEPING RED

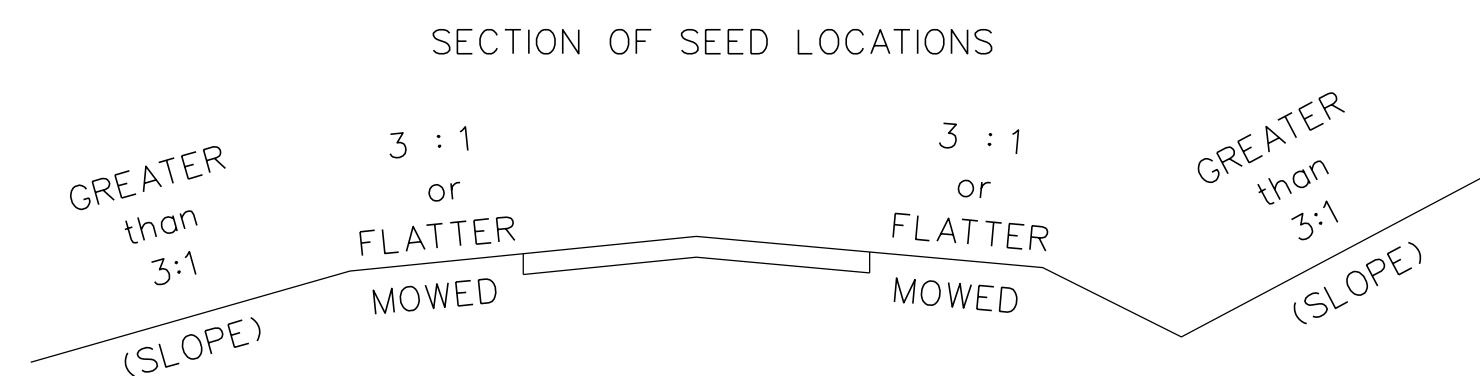
TEMPORARY SEED MIX

DATE RANGE	LBS./ACRES	DESCRIPTION
3/1 - 5/16	▲ 100	ANNUAL RYE
5/16 - 8/16	▲ 100	FOXTAIL MILLET
8/16 - 3/1	60	BARLEY, WINTER RYE OR WINTER WHEAT

POLLINATOR SEED MIX

LITTLE BLUESTEM	15 LB
100% BARLEY, WINTER RYE OR WINTER WHEAT	10 LB
WHITE CLOVER (TRIFOLIUM REPENS)	15 LB
BLACK-EYED SUSAN (RUDBECKIA HIRTA)	20 LB
LANCED-LEAVED COREOPSIS (COREOPSIS LANCEOLATA)	10 LB

- * FINE FESCUES INCLUDE CHEWINGS, CREEPING RED, HARD, SHEEP. SEE SEEDING SCHEDULE FOR TYPE(S) SPECIFIED FOR THIS PROJECT.
- ▲ ALL RATES TO BE SPECIFIED BY THE DISTRICT ROADSIDE MANAGER
- * * THESE ADDITIVES ARE NOT TO BE USED IN AREAS THAT WILL BE MOWED. (SLOPES 3:1 OR FLATTER)



ROADSIDE DEVELOPMENT SUMMARY

PROJECT NUMBERS AND/OR LOCATION DESC.	REGULAR SEED LBS.	OVER SEEDING LBS.	LEGUME SEED LBS.	LEGUME OVER SEEDING LBS.	TEMPORARY SEED LBS.	TOPSOIL (CLASS & DEPTH) C.Y./ACRES	LIME TONS	FERTILIZER - REGULAR				HECP (TYPE 1) S.Y.	HECP (TYPE 2) S.Y.	HECP (TYPE 3) S.Y.	HECP (TYPE 4) S.Y.
								N NITROGEN LBS.	P PHOSPHORUS LBS.	K POTASSIUM LBS.					
0495-029-419	1257	1006			309	2.21 AC.	32.42	702	902	451					
								FERTILIZER - TEMPORARY							
								-	-	-					
								FERTILIZER - OVERSEEDING							
								-	-	-					

**SPRING AND SUMMER 4/1 9/15 USE HULLED SEED
 FALL & WINTER 9/15 4/1 USE UNHULLED SEED**

TYPE I MULCH (STRAW) TO BE USED ON NEWLY SEEDERED AREAS ADJACENT TO ALL WATERWAYS, WETLANDS, SWAMPS, OR ANY AREA IN WHICH DRAINAGE FLOWS TOWARD AREAS UNDER THE JURISDICTION OF THE ENVIRONMENTAL REGULATORY AGENCIES.

TYPE I MULCH SHALL BE TACKED WITH FIBER MULCH AT THE RATE OF 750 LBS. PER ACRE AND/OR MULCH TACKIFIER.

TYPE II MULCH (FIBER MULCH) MAY BE SUBSTITUTED FOR TYPE I MULCH AT THE RECOMMENDATION OF THE DISTRICT ROADSIDE MANAGER.

TYPE II MULCH SHALL BE APPLIED AT A RATE OF 1500 LBS. (NET DRY WEIGHT) PER ACRE TO PROVIDE A MINIMUM OF 90 PERCENT COVERAGE, AND SHALL BE APPLIED IN A SEPARATE APPLICATION.

ALL TOPSOIL IS TO BE FREE OF HARD LUMPS, CLOUDS, ROCKS AND FOREIGN DEBRIS AND IS TO BE HAND RAKED TO TIE INTO EXISTING LAWNS.

ALL SEED MUST BE IN CONFORMANCE WITH VDOT SEED SPECIFICATIONS FOR GRASSES & LEGUME AND BE PROVIDED AT THE PROJECT SITE IN BAGS NOT OPENED AND LABELED FOR USE ON VDOT PROJECTS WITH A GREEN TAG CERTIFYING INSPECTION BY THE VIRGINIA CROP IMPROVEMENT ASSOCIATION.

⊗ DENOTES ITEM(S) TO BE PAID FOR ON THE BASIS OF PLAN QUANTITIES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CURRENT ROAD AND BRIDGE SPECIFICATIONS.

FERTILIZER (15-30-15) = 3,500 LBS. (REGULAR & TEMPORARY)
 FERTILIZER (46-0-0) = 522 LBS. (OVERSEEDING)

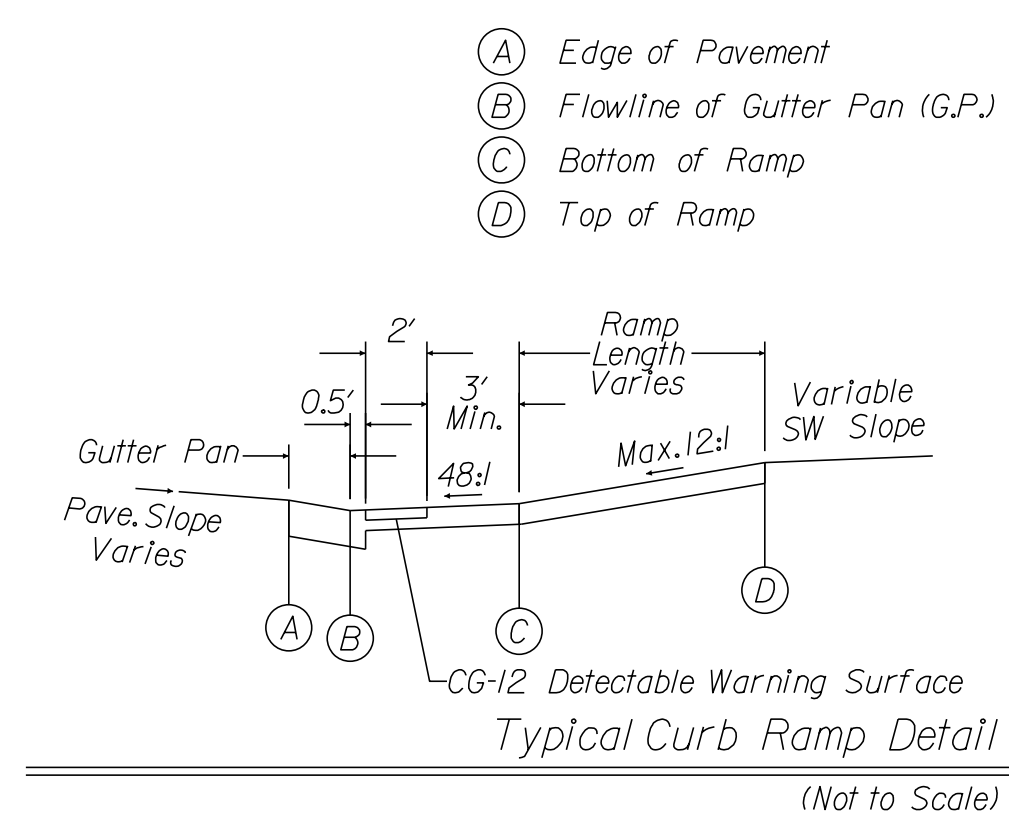
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS (703) 635-3060, 12/2021

CG-12 DETAILS

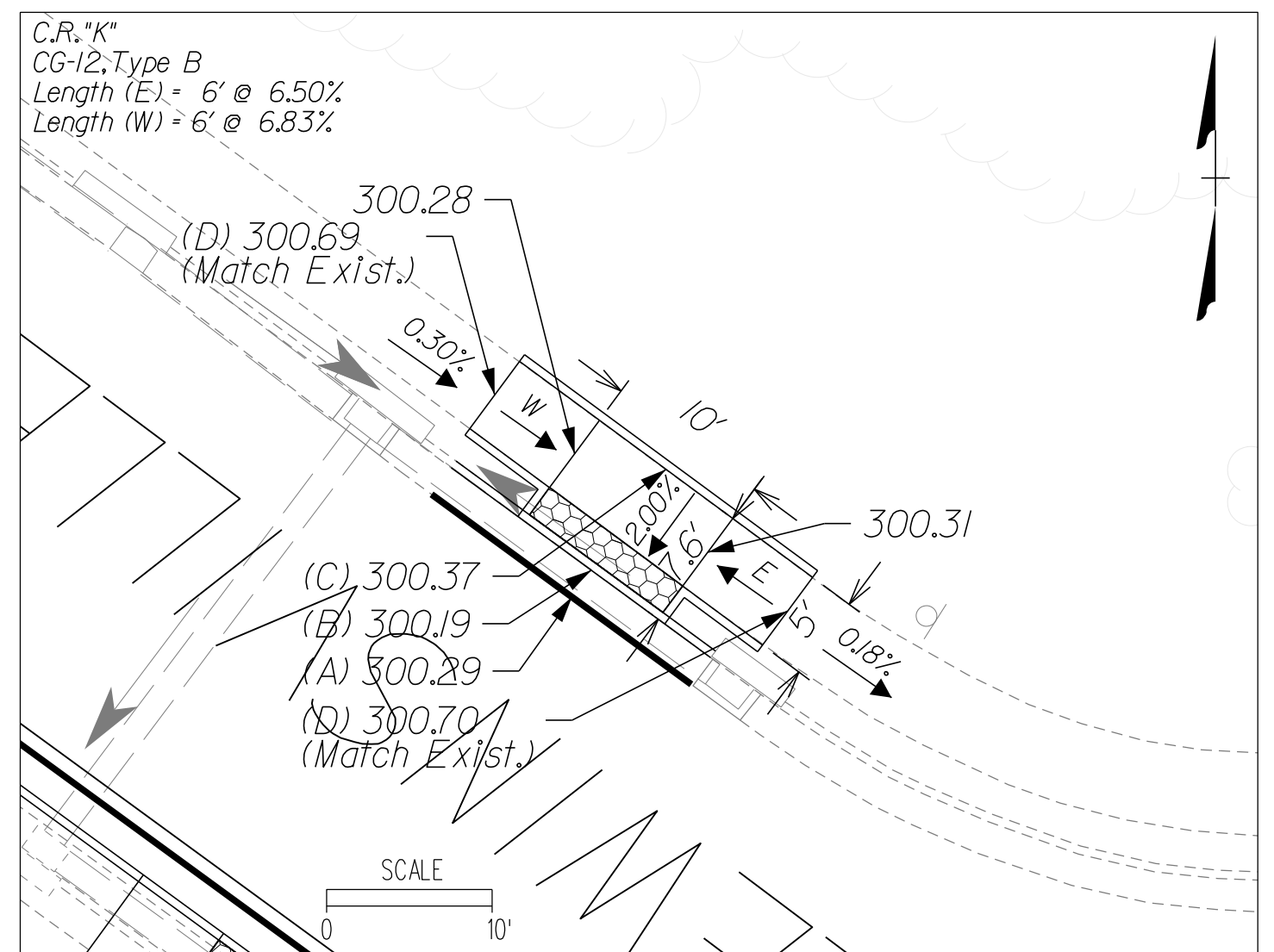
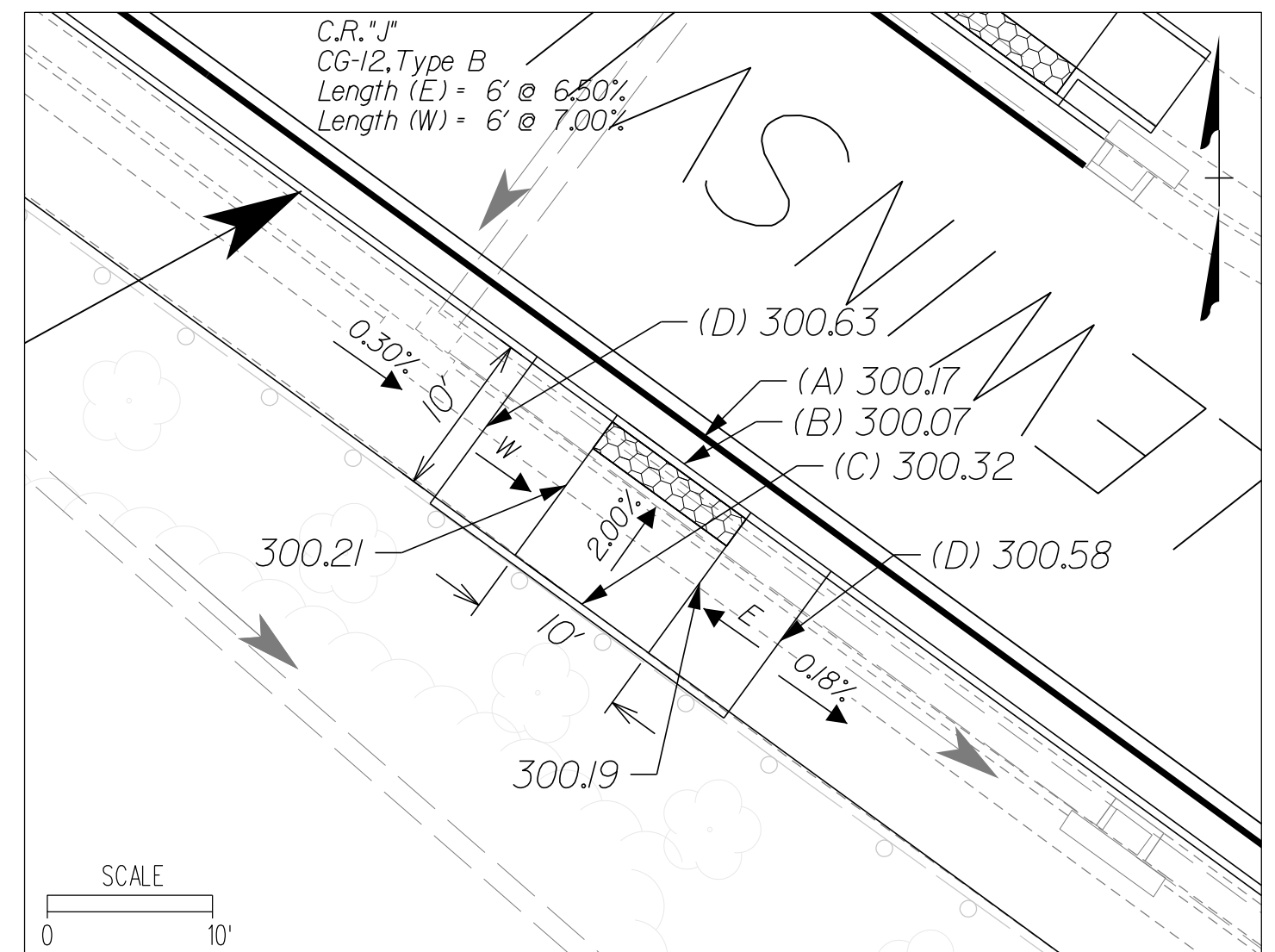
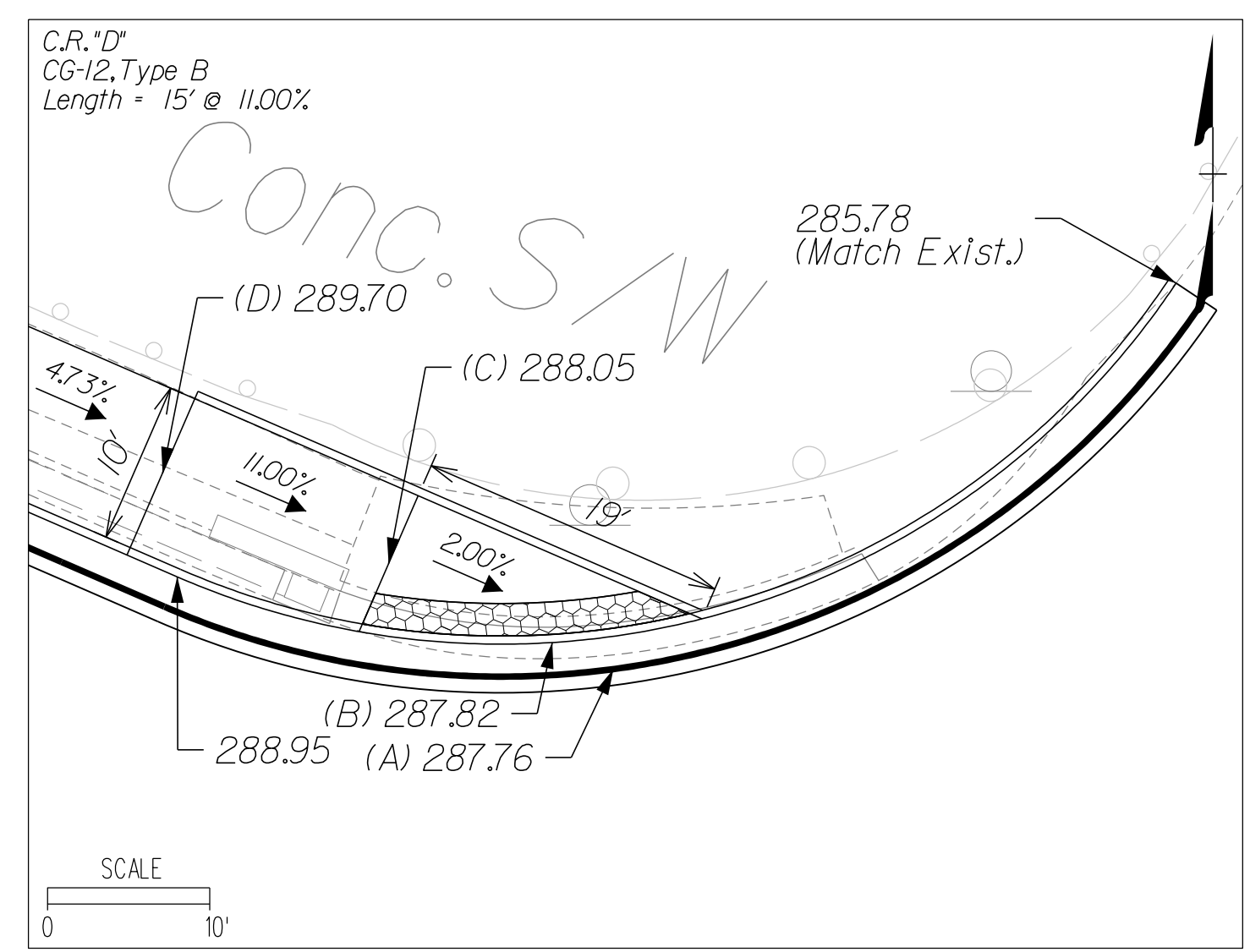
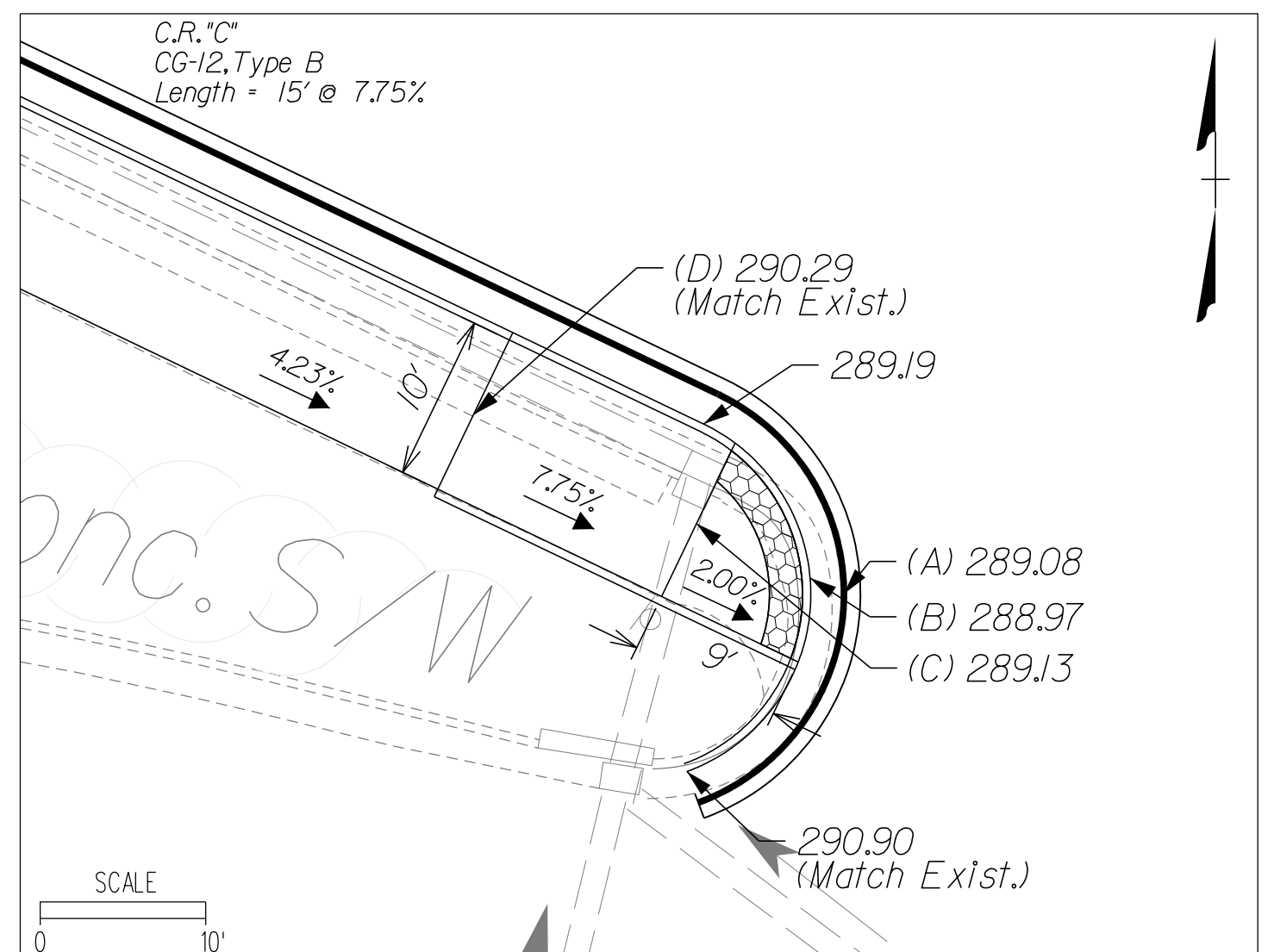
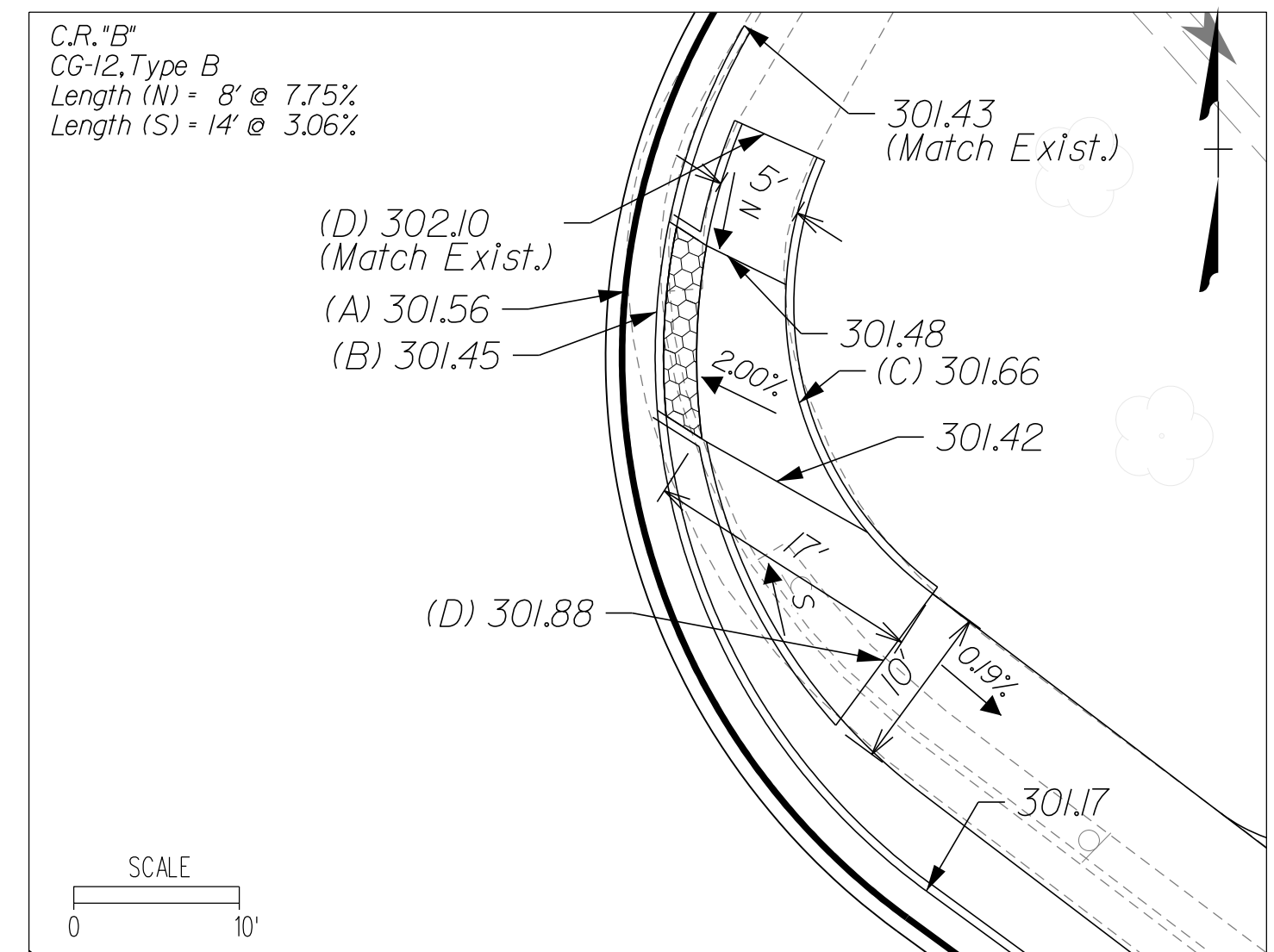
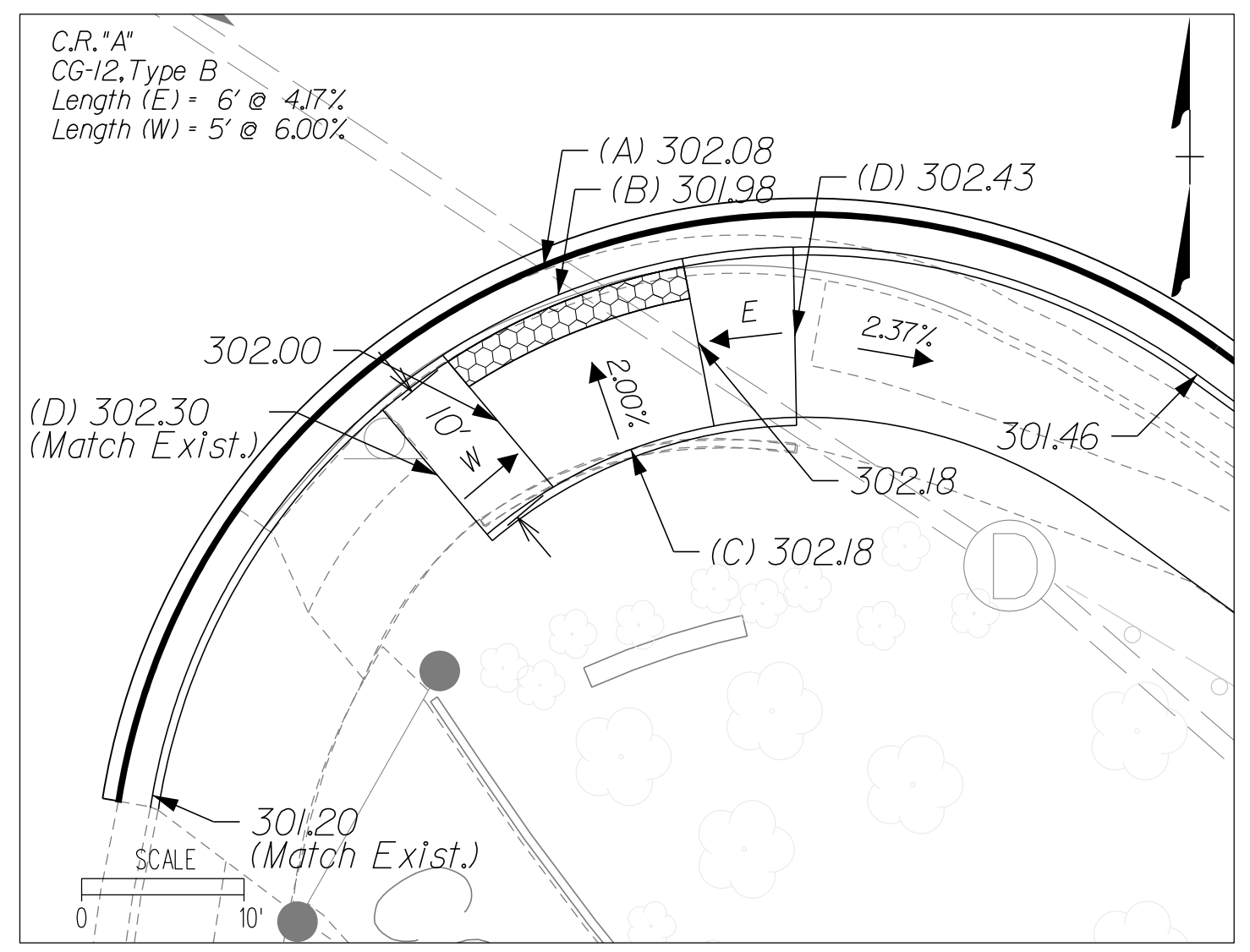
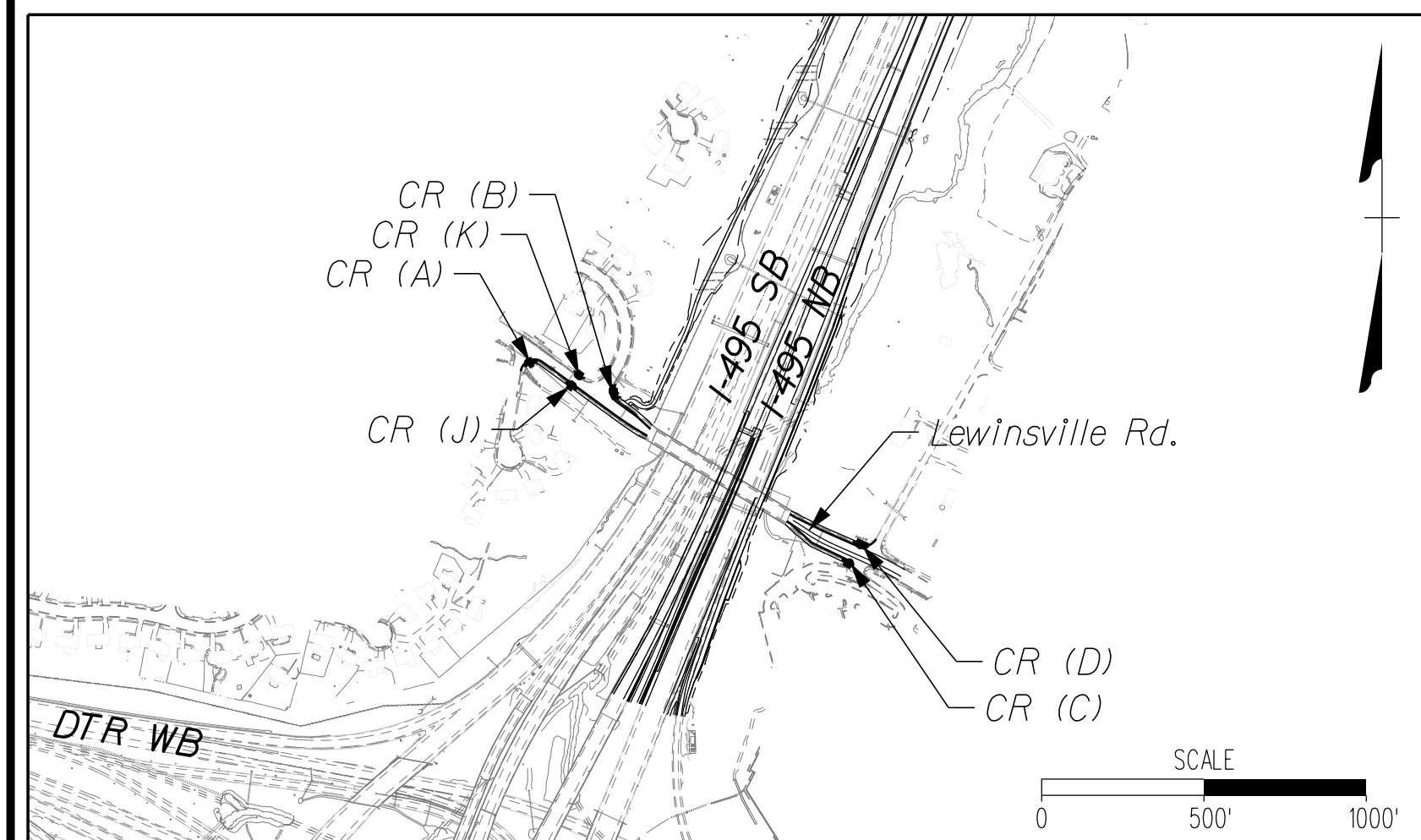
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
RONALD J. JAKOMINICH
Lic. No. 038452
Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2P AREA 2

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



PLAN LOCATION OF CG-12 RAMPS



NOVA DISTRICT

12/16/2022

VDOT PROJECT NO. 0495-029-419	SHEET NO. 2P AREA 2
----------------------------------	---------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaull, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Dewberry - Ron Jakominich, P.E. (703) 849-0651
 Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

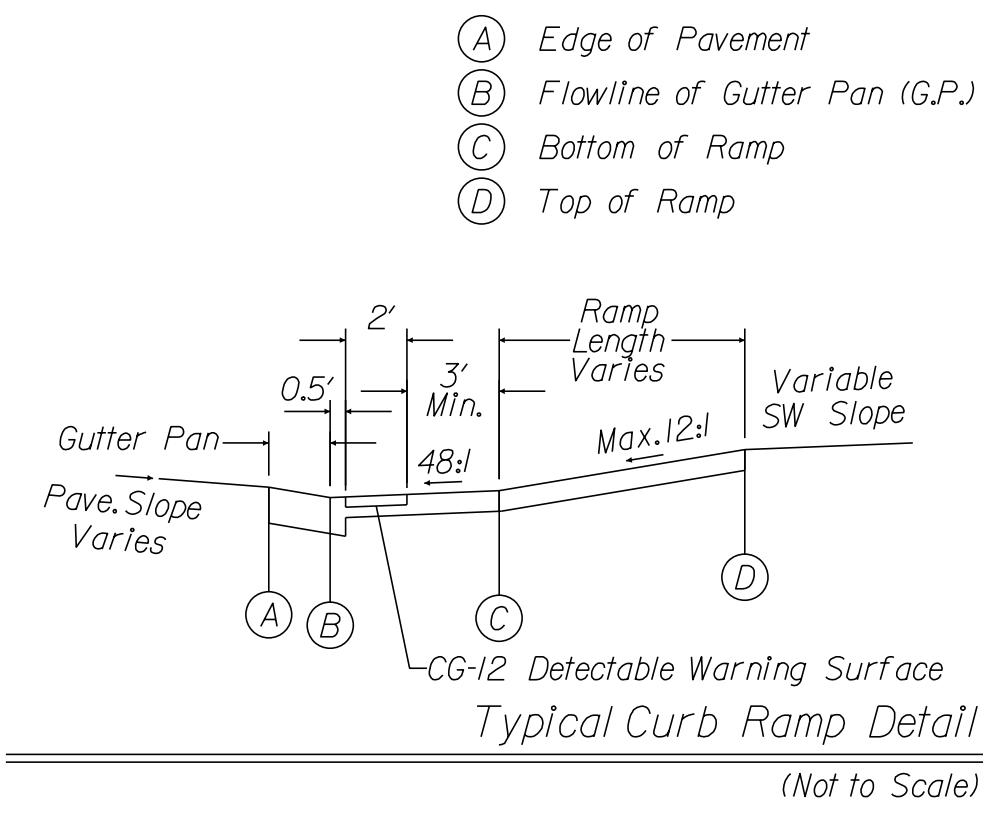
CG-12 DETAILS

COMMONWEALTH OF VIRGINIA
 RONALD J. JAKOMINICH
 Lic. No. 038452
 PROFESSIONAL ENGINEER

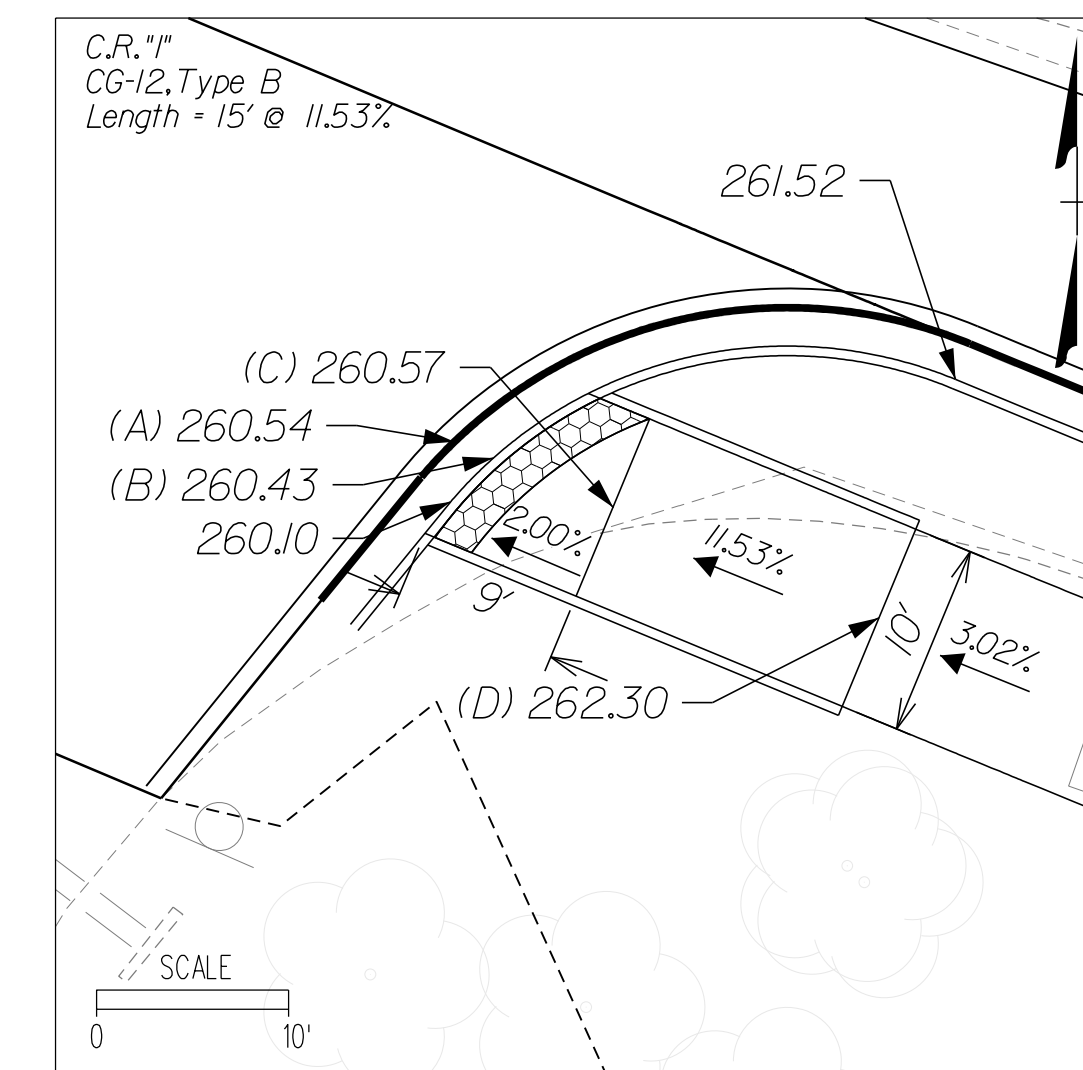
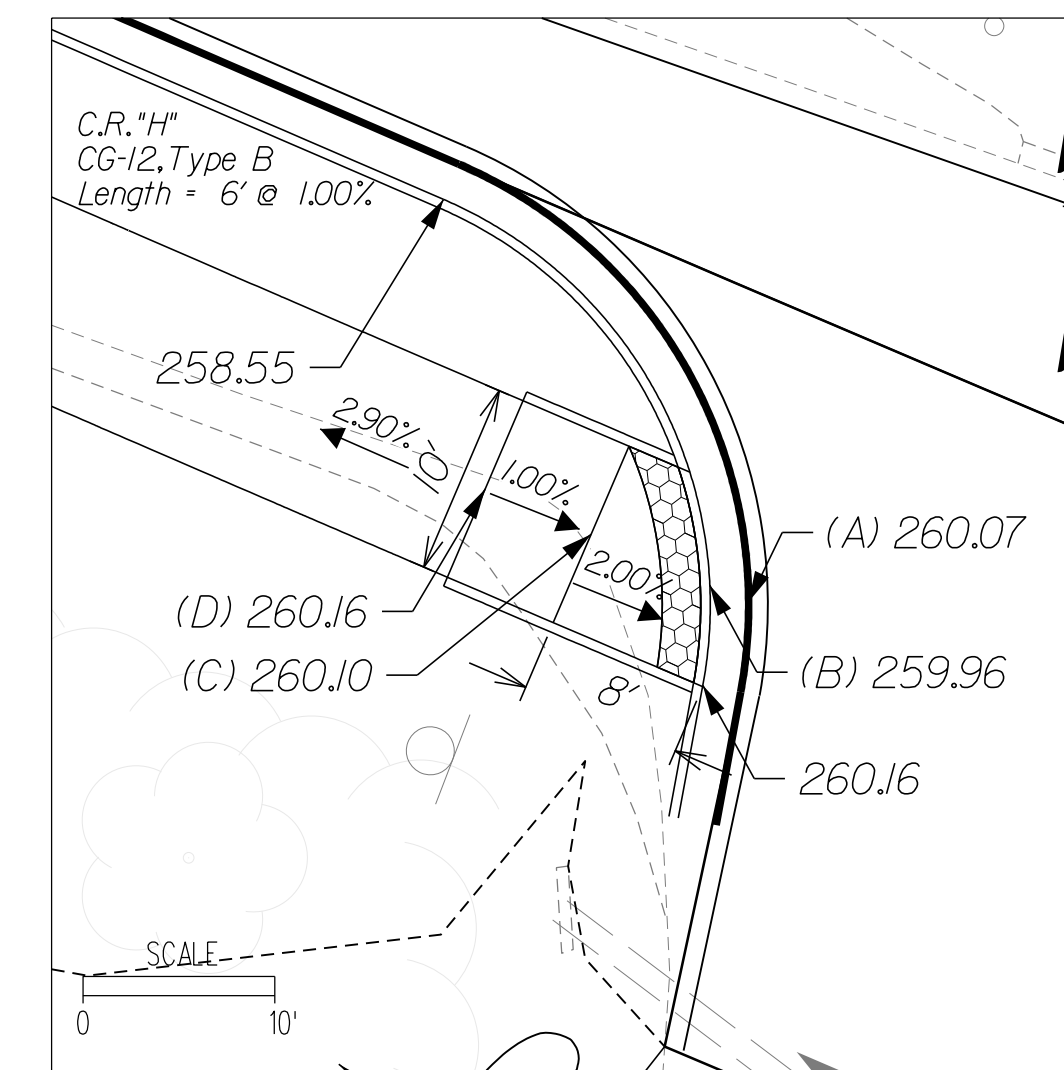
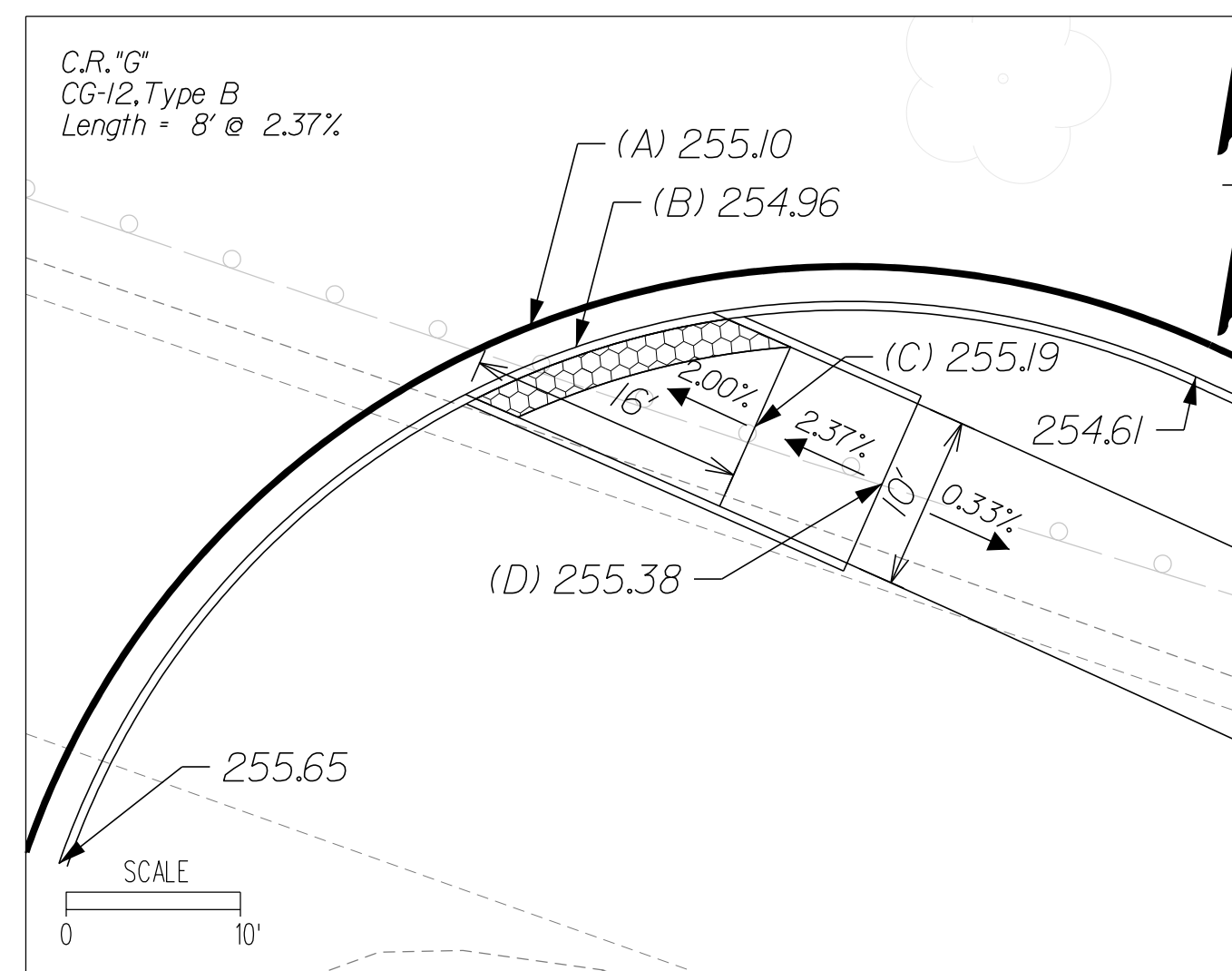
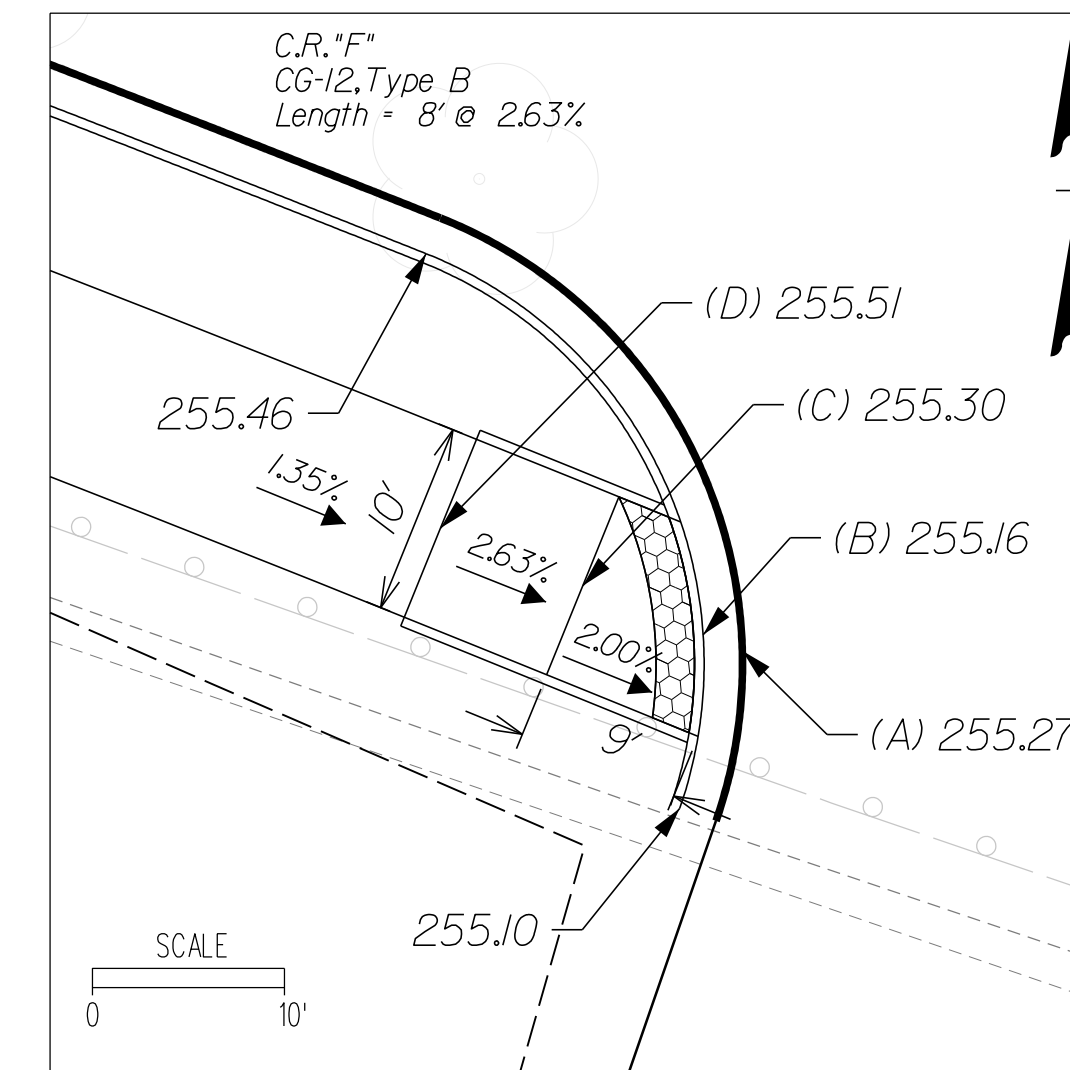
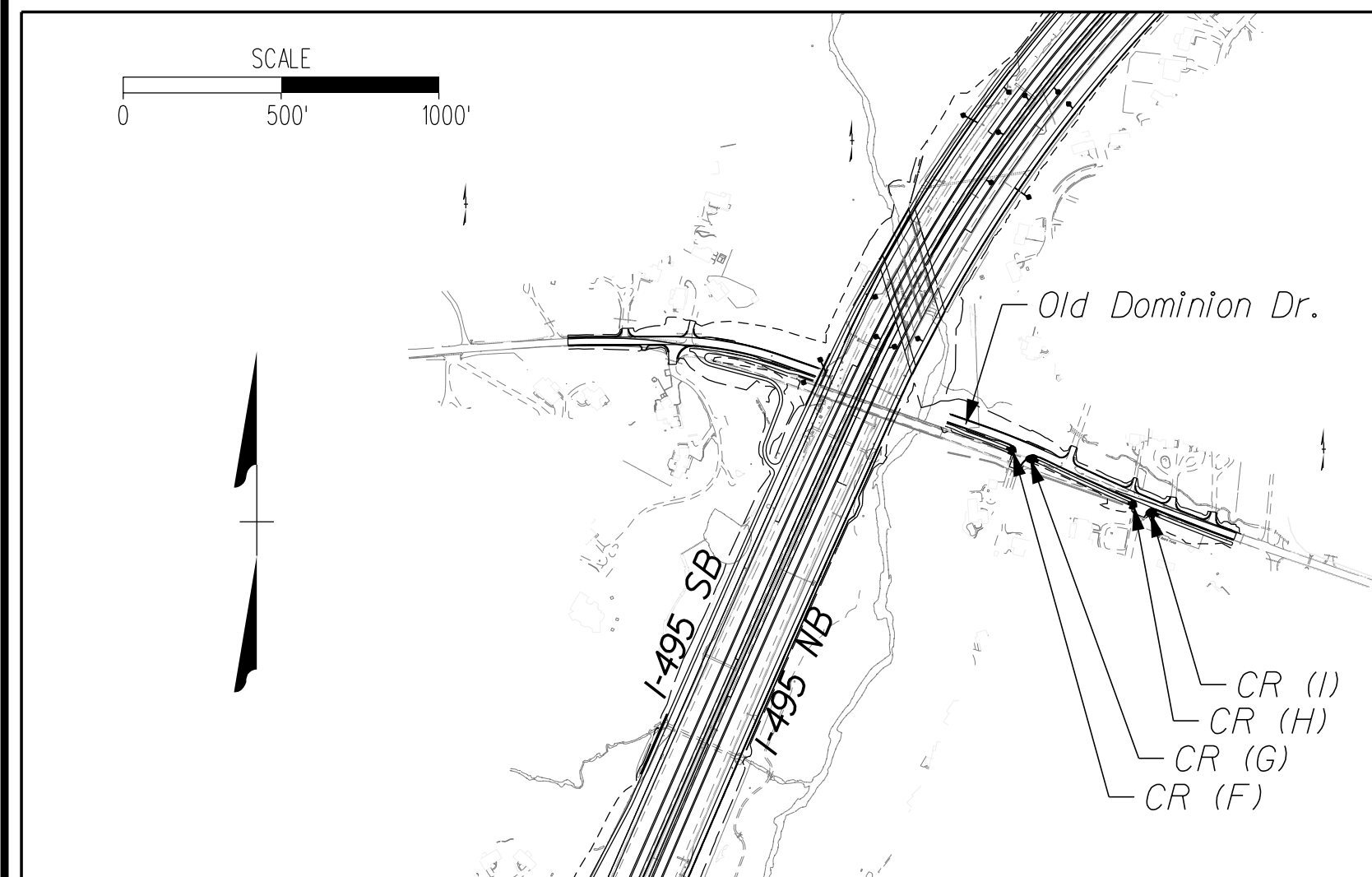
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2P(1) AREA 2

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



PLAN LOCATION OF CG-12 RAMPS



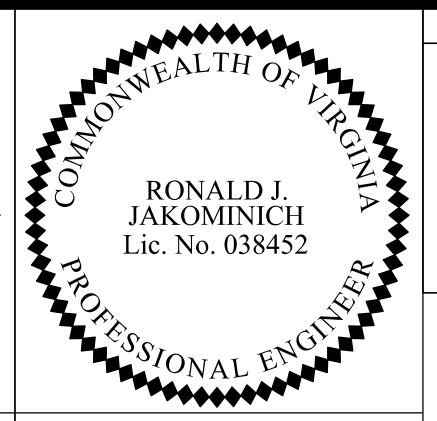
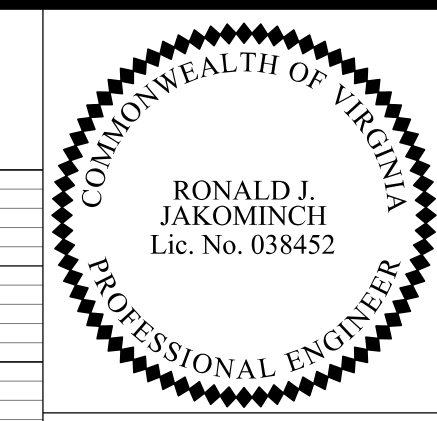
NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

CURB RETURN PROFILES

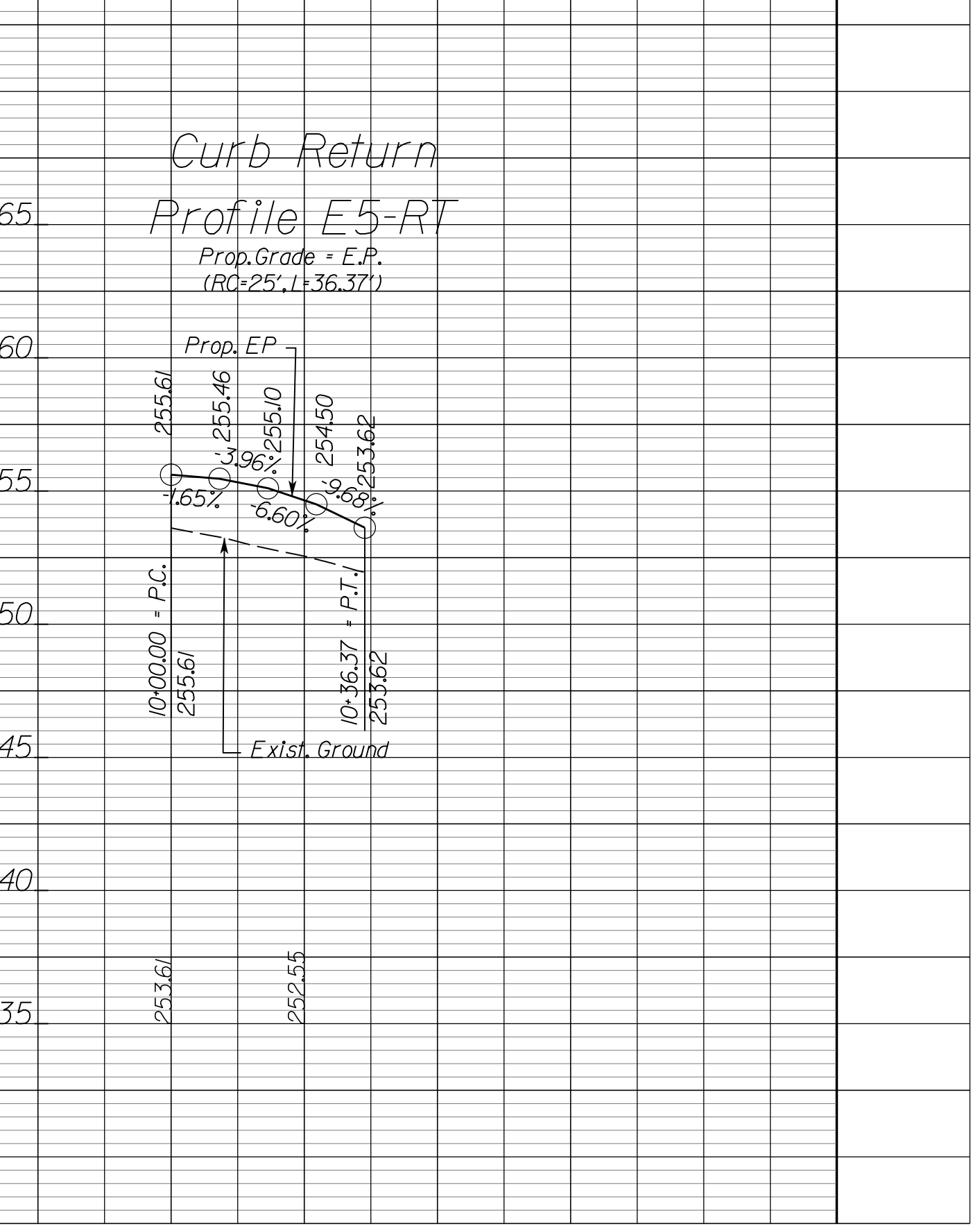
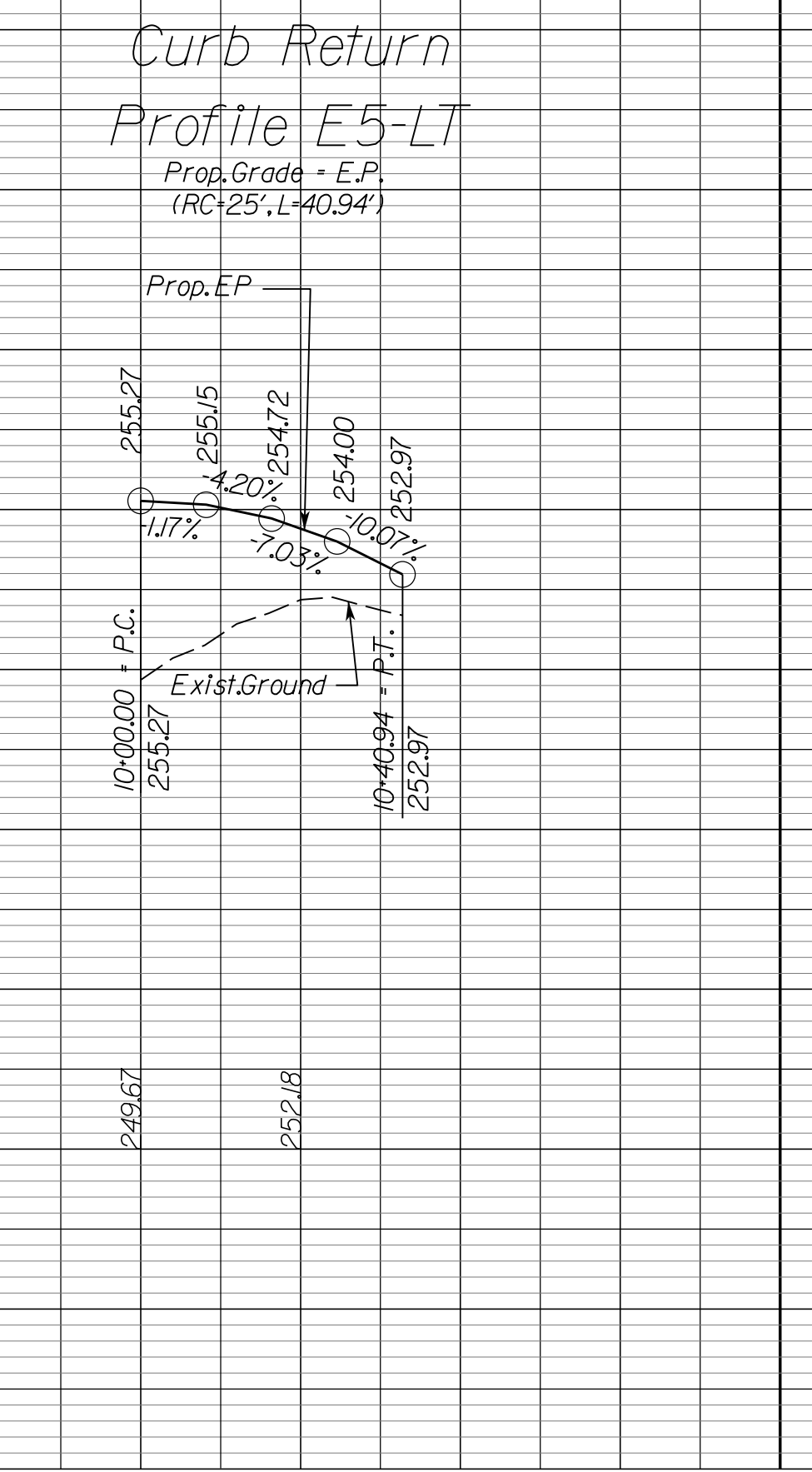
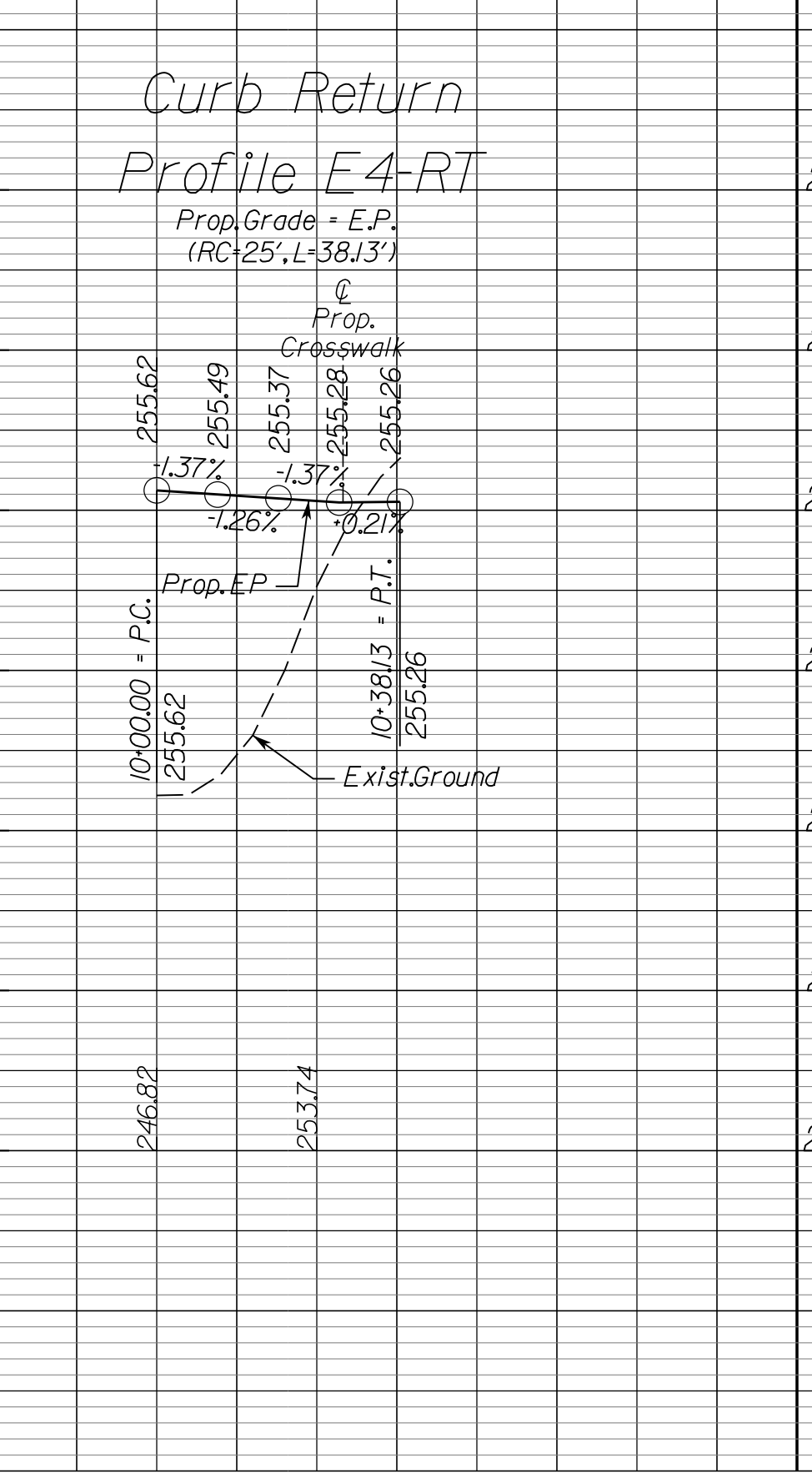
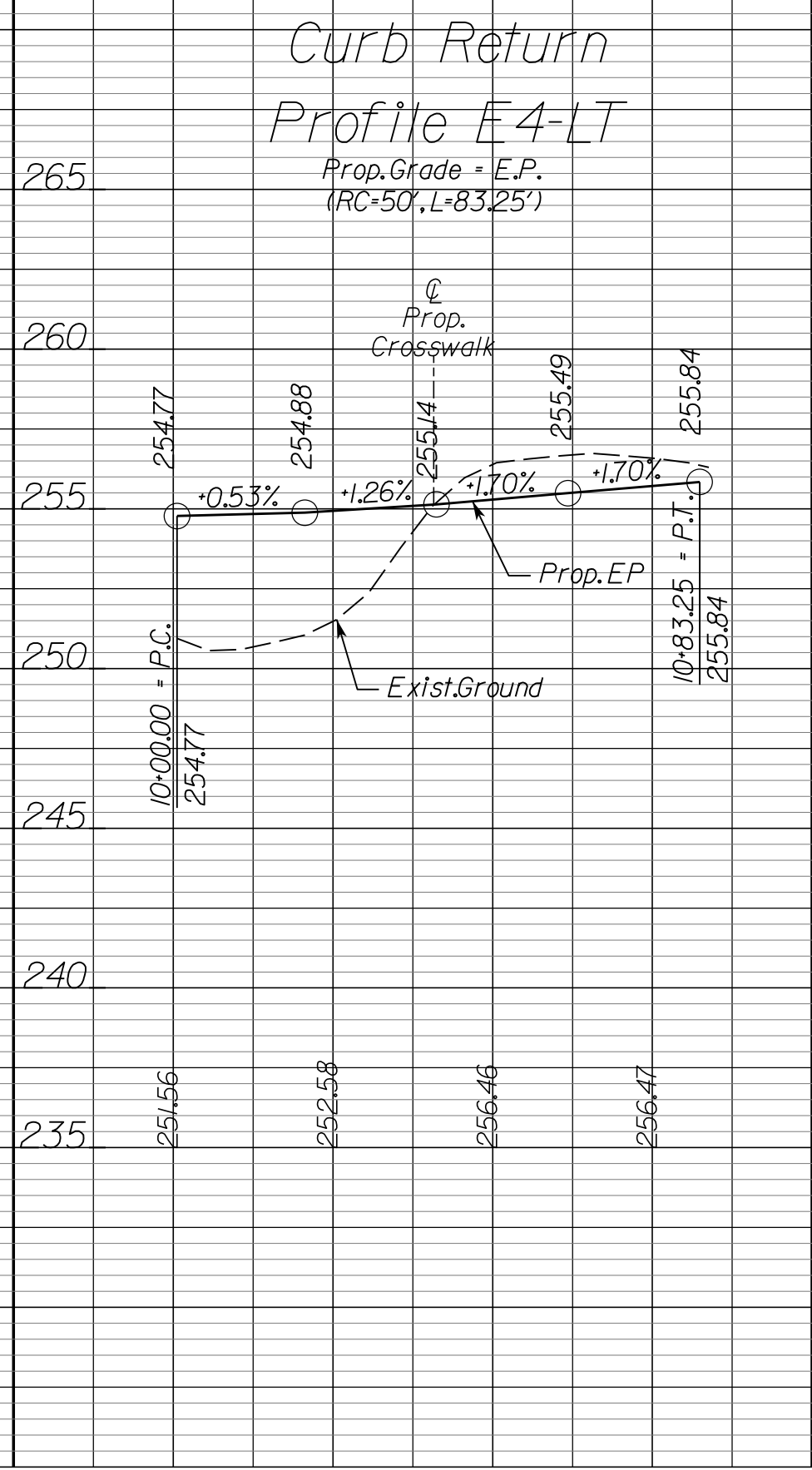
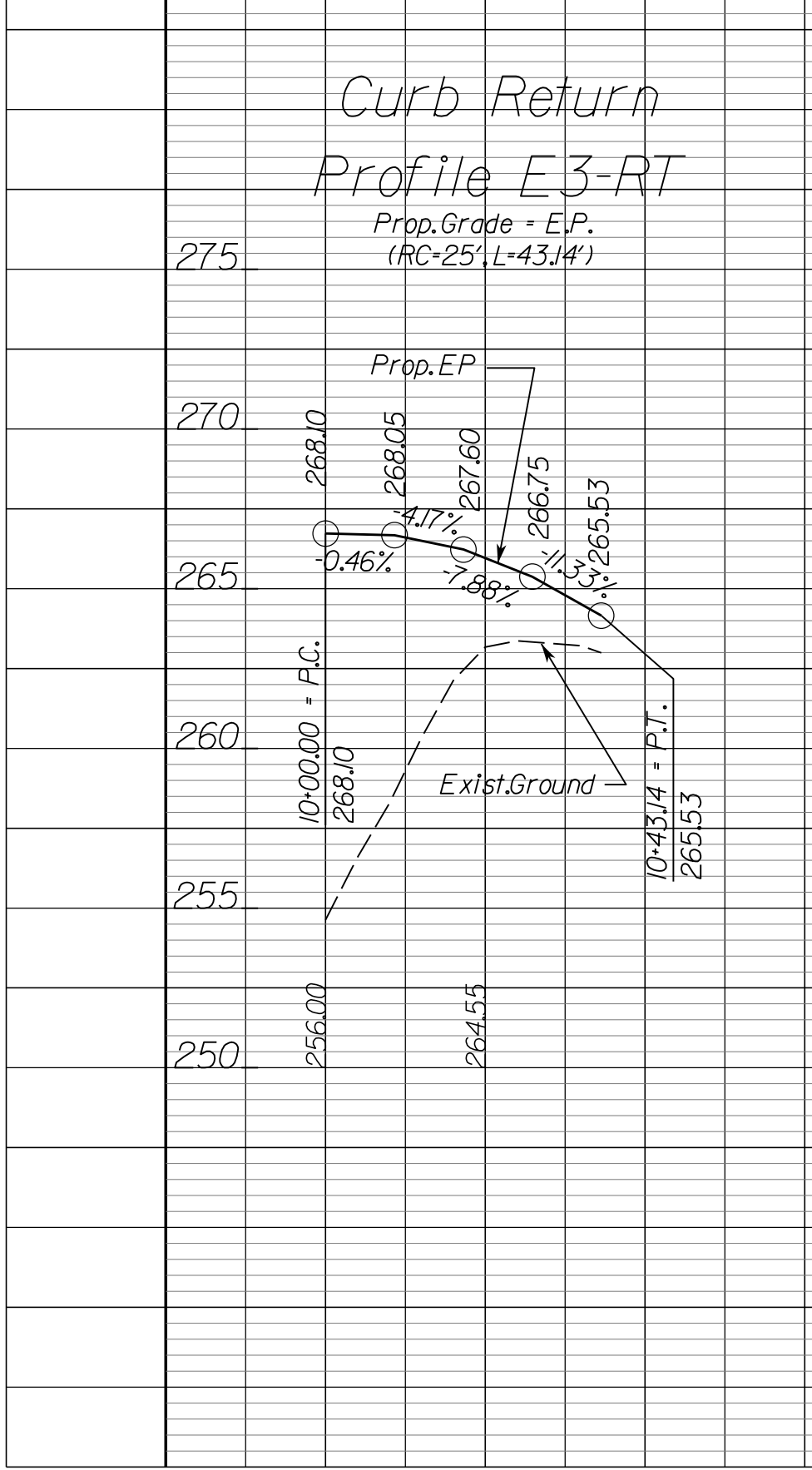
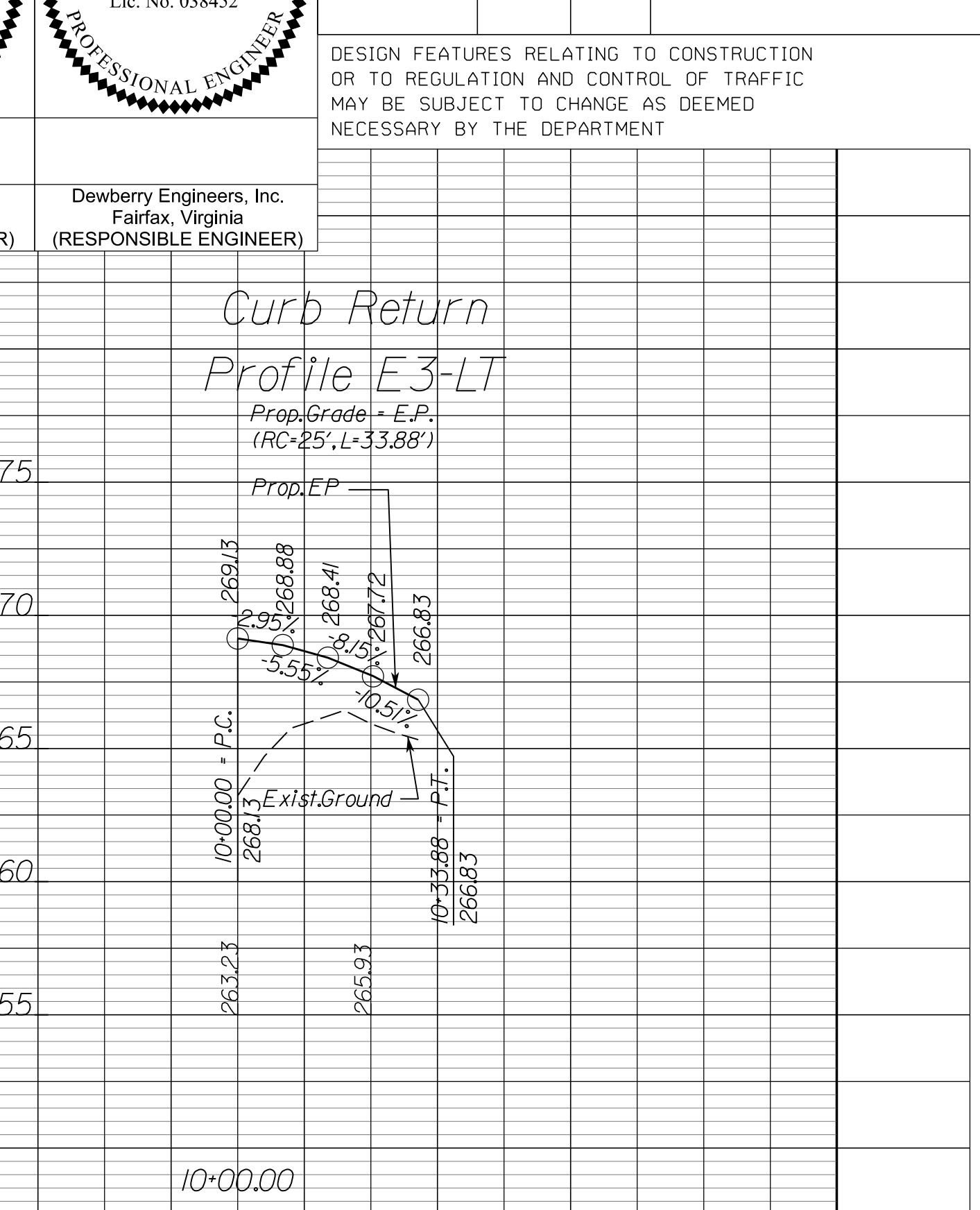
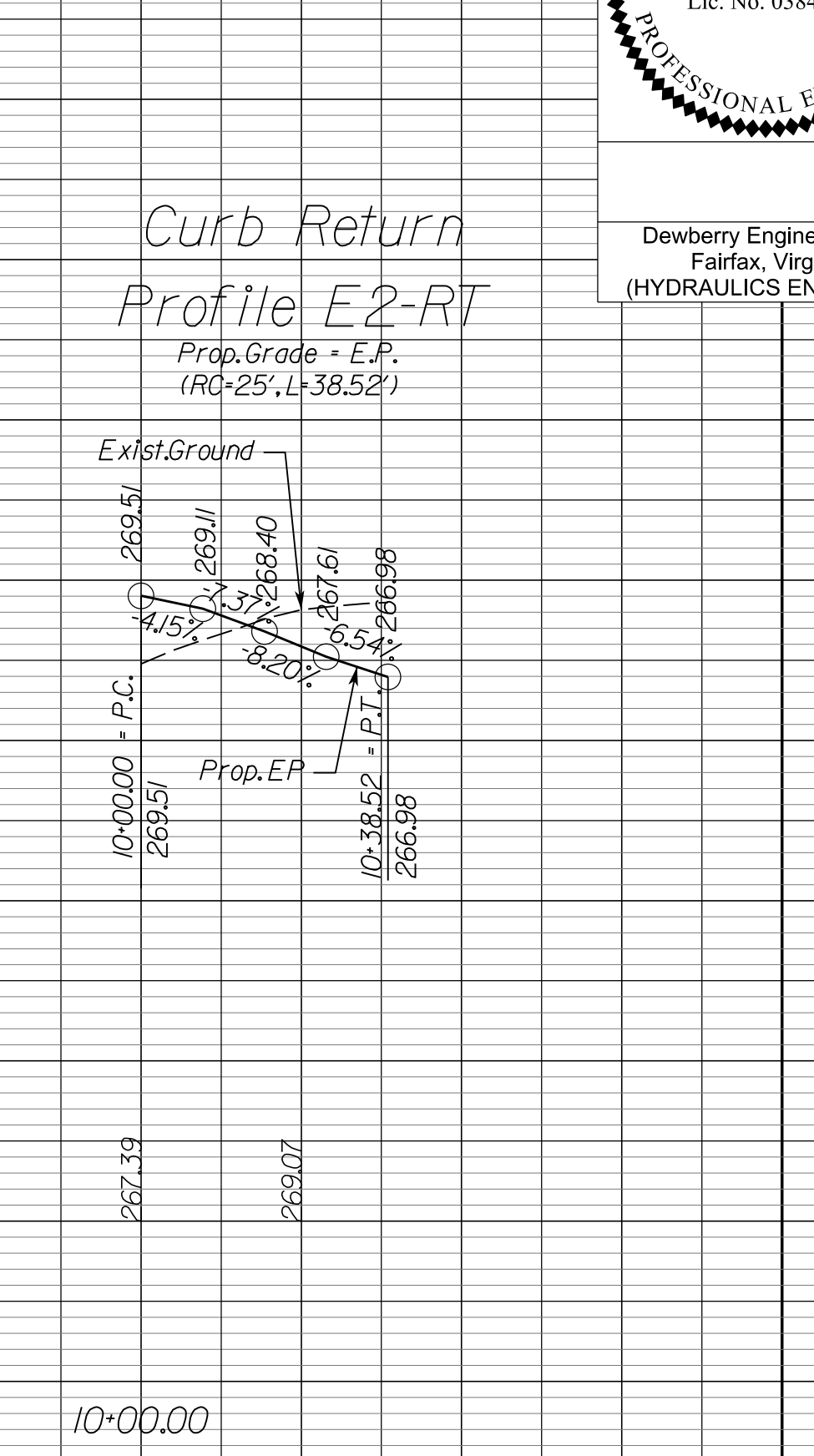
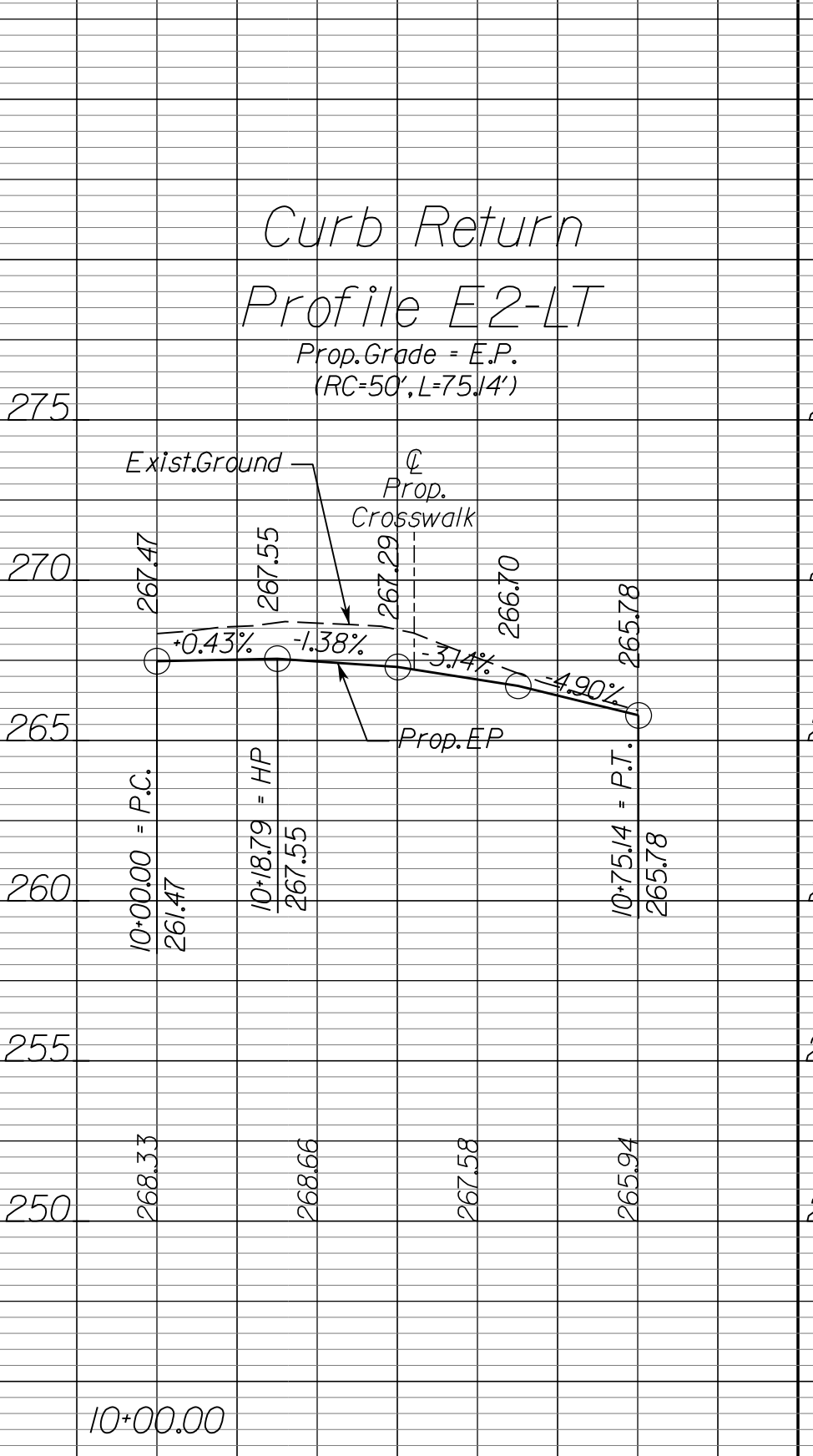
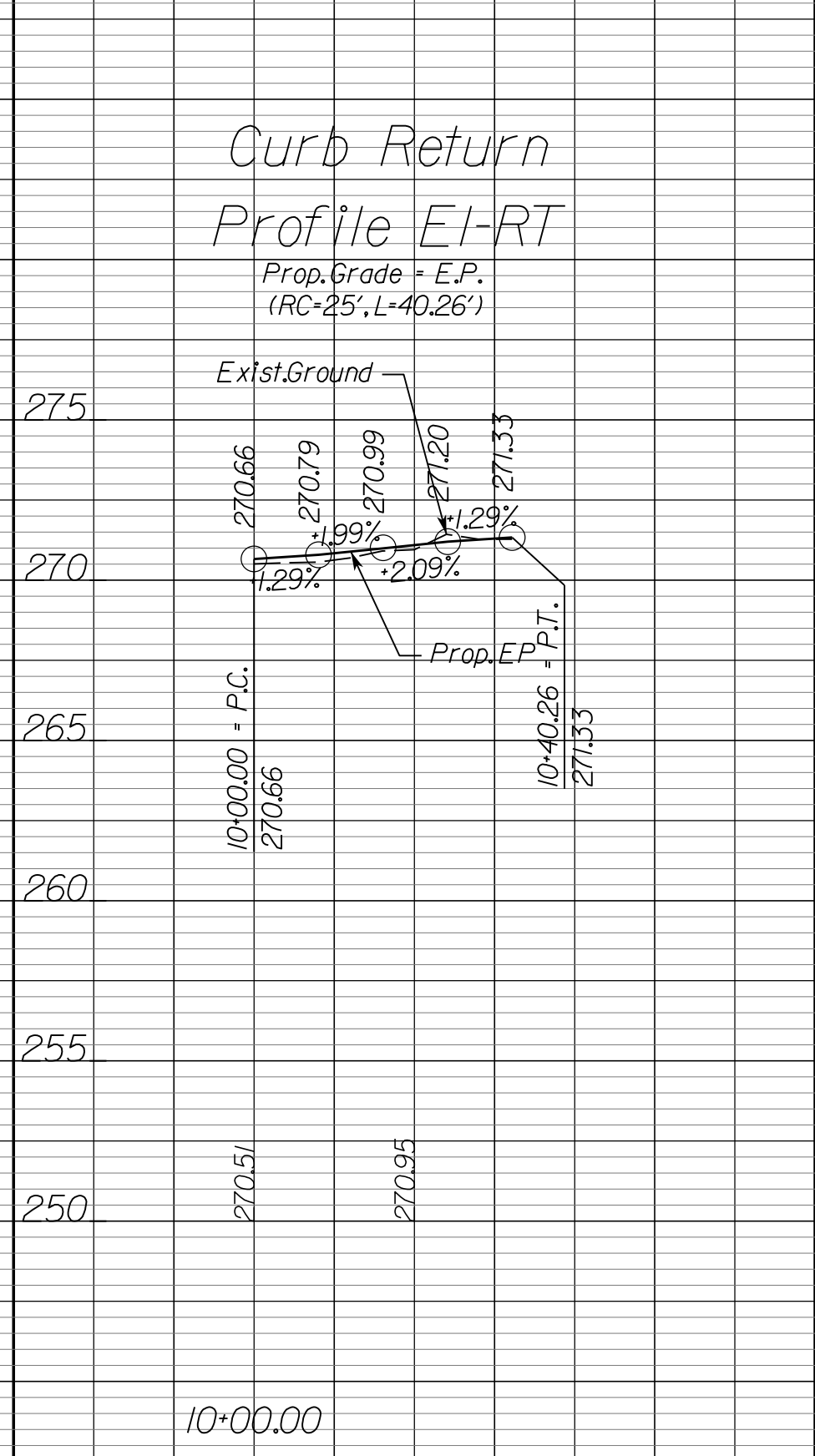
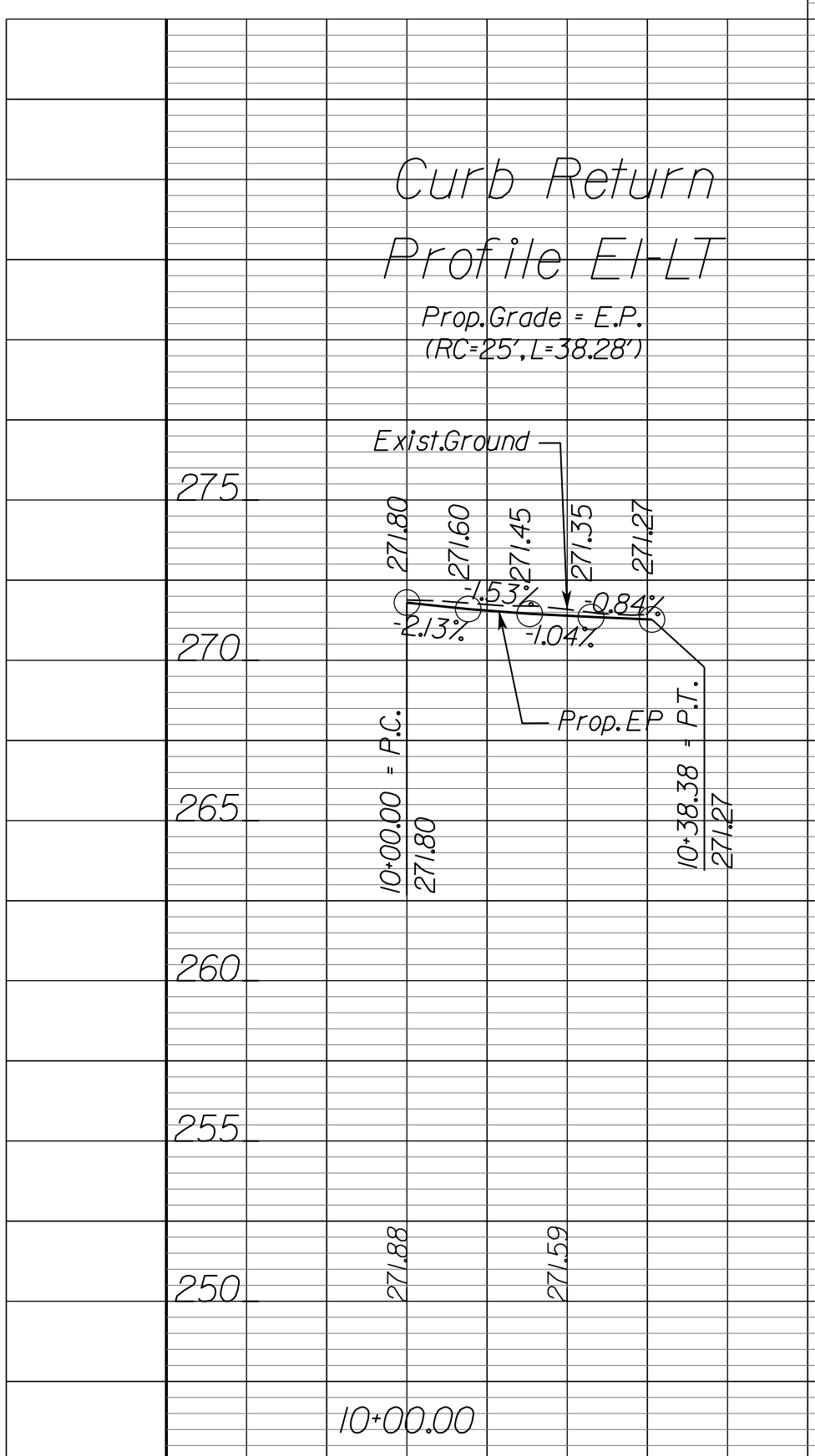


REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO
	VA.	495		0495-029-419 C501 RW201	20 AREA 2

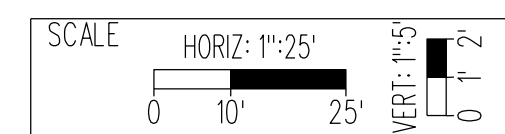
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(RESPONSIBLE ENGINEER)



NOVA DISTRICT

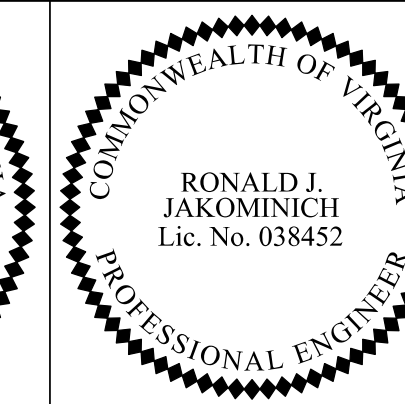
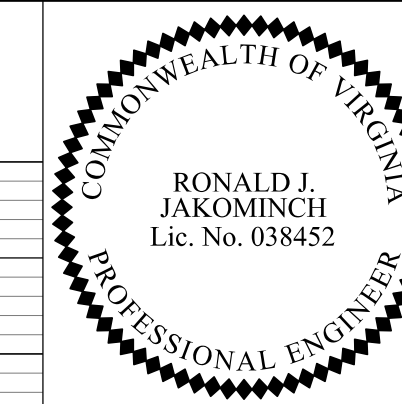


VDOT PROJECT NO. 0495-029-419 SHEET NO. 20 AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, L.S. (703) 334-0837, 12/2/2021
DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE_Accumack - Michael Taylor, L.S. (703) 635-3060, 12/2/2021

CURB RETURN PROFILES



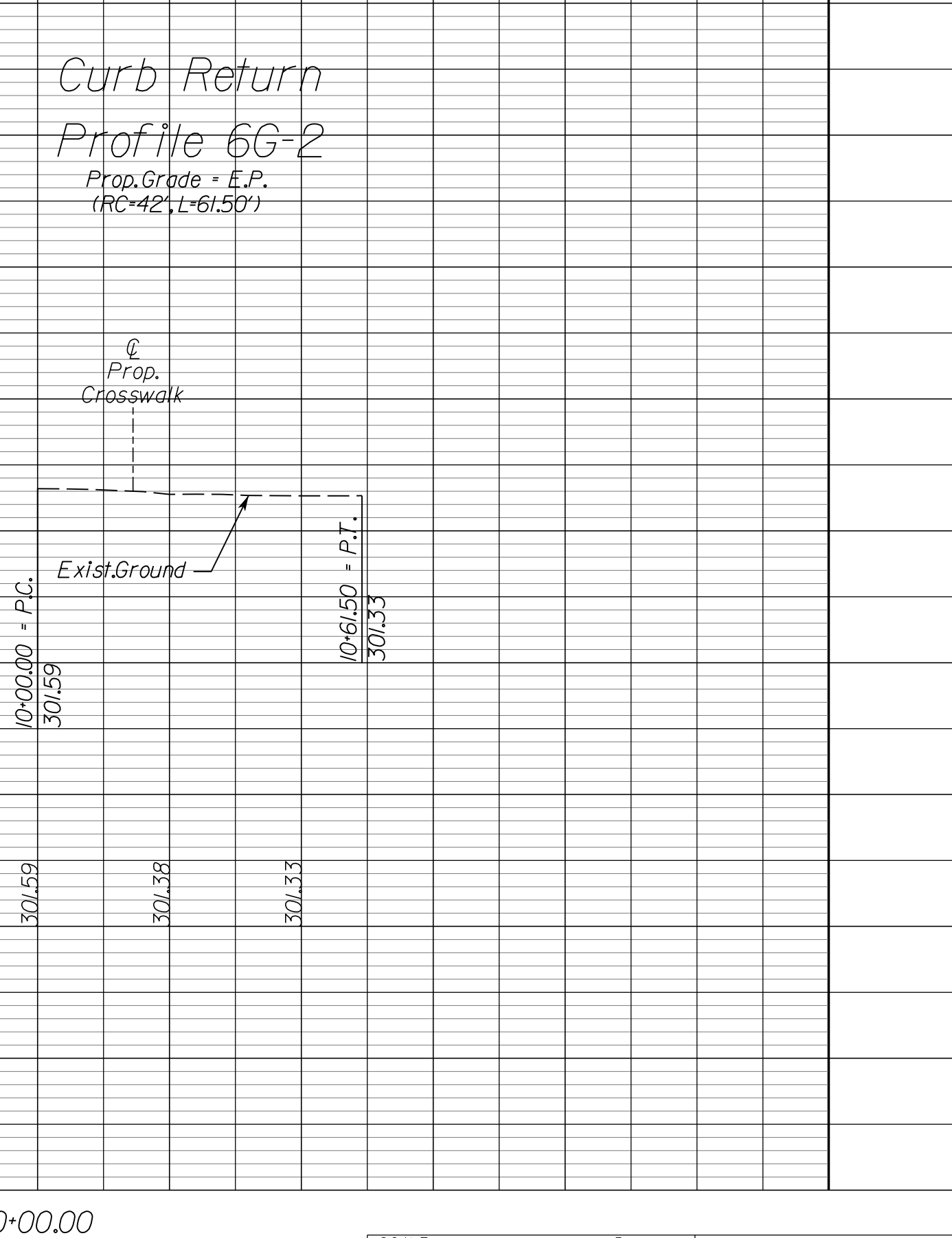
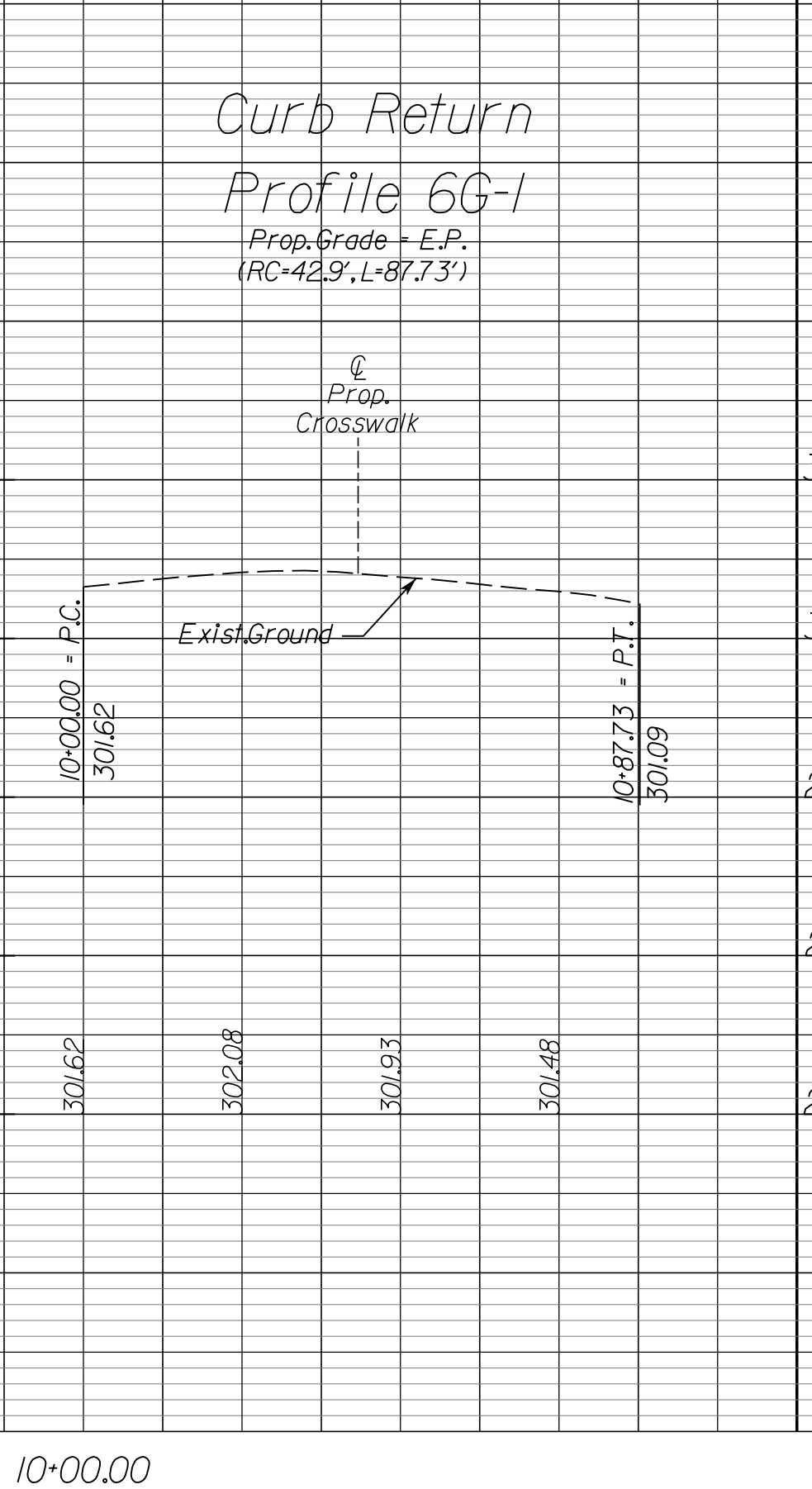
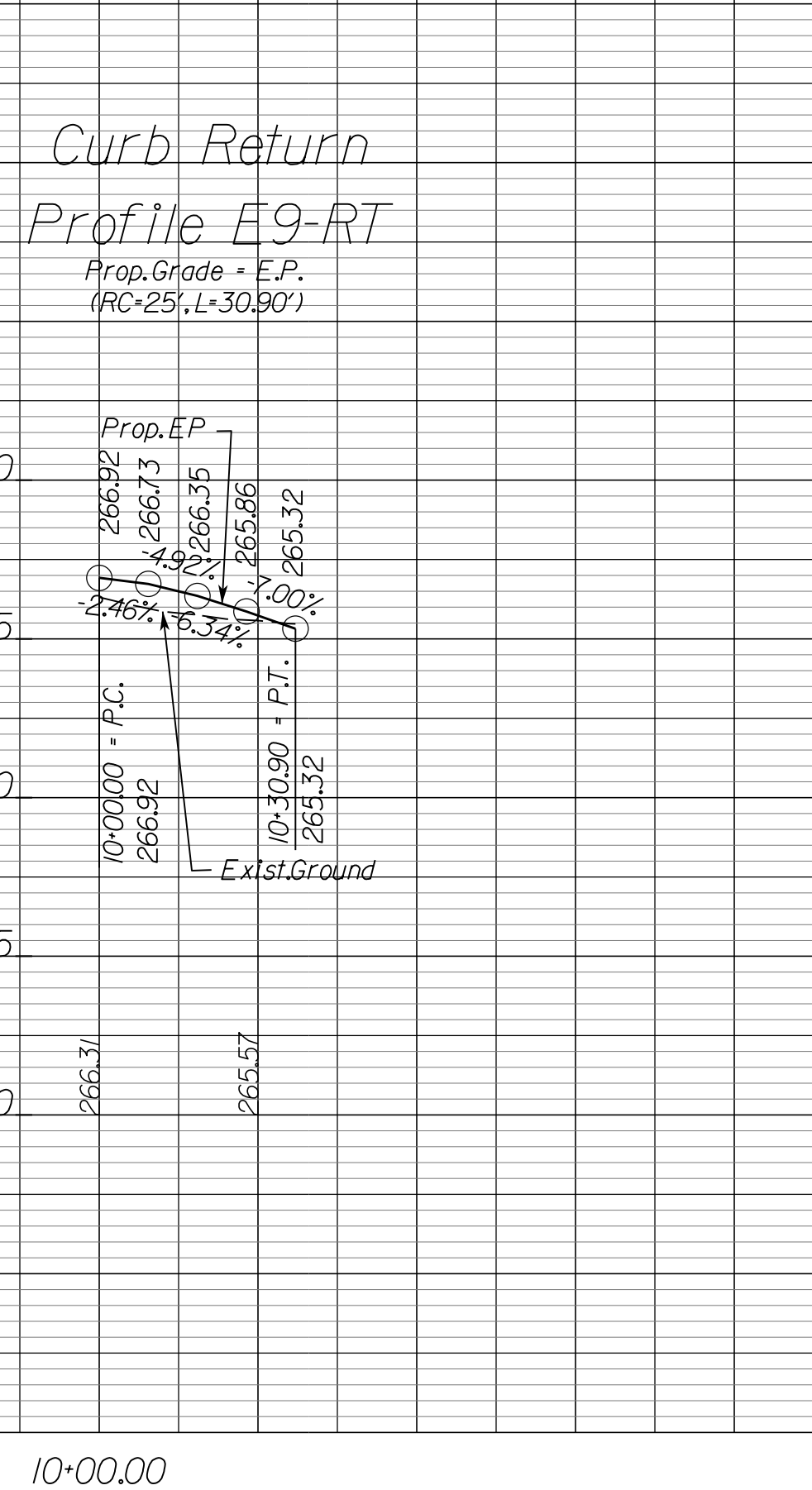
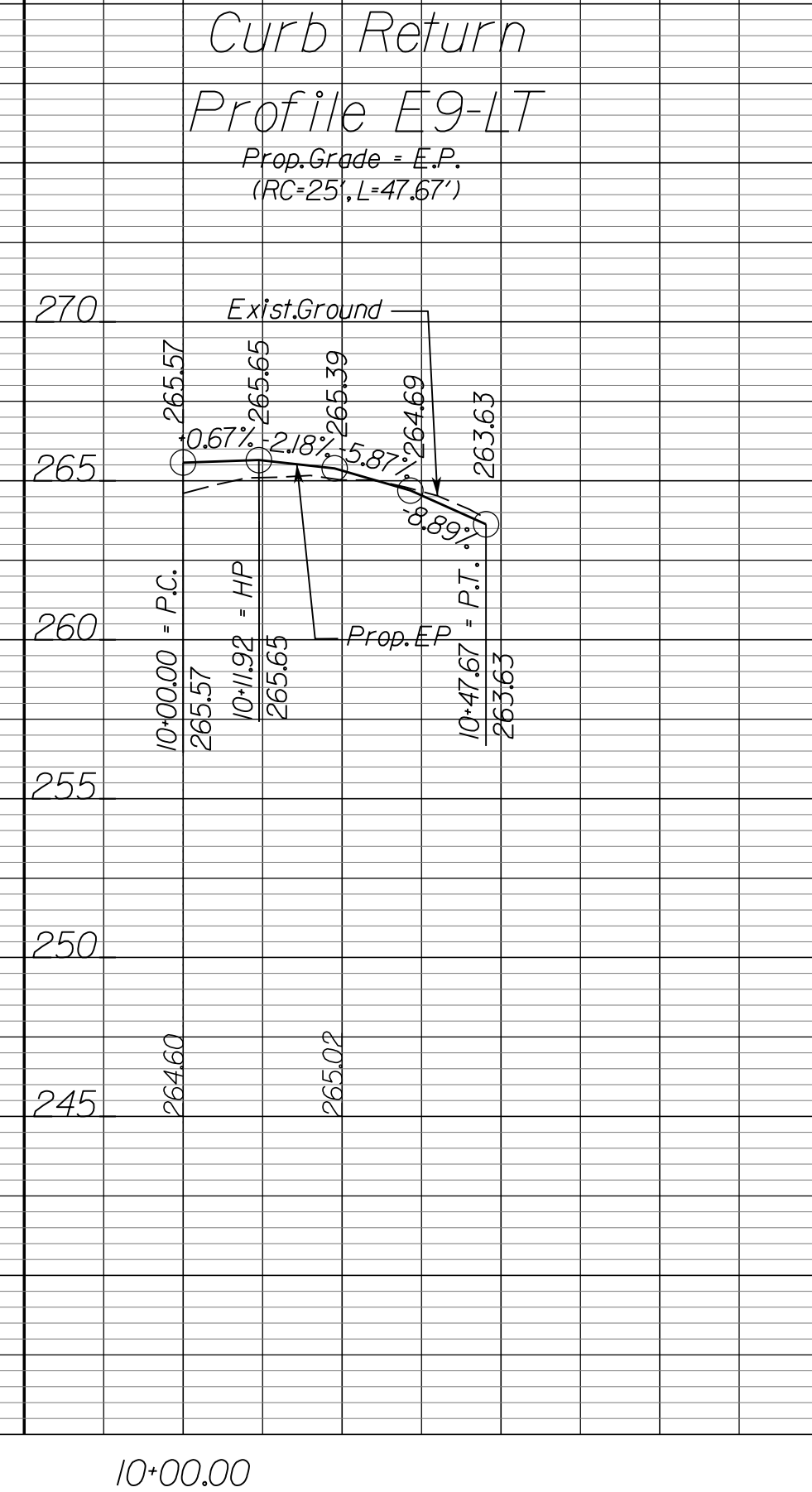
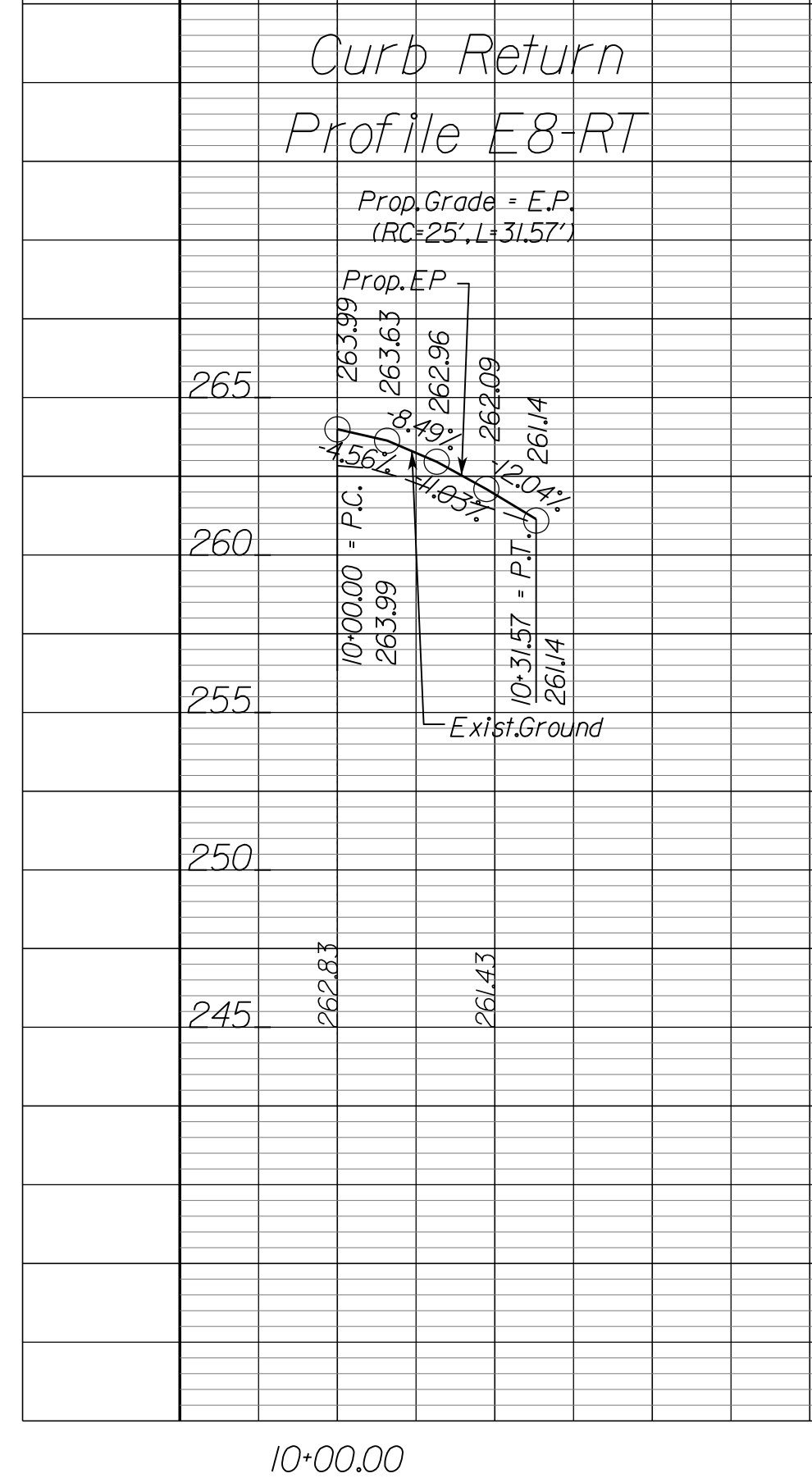
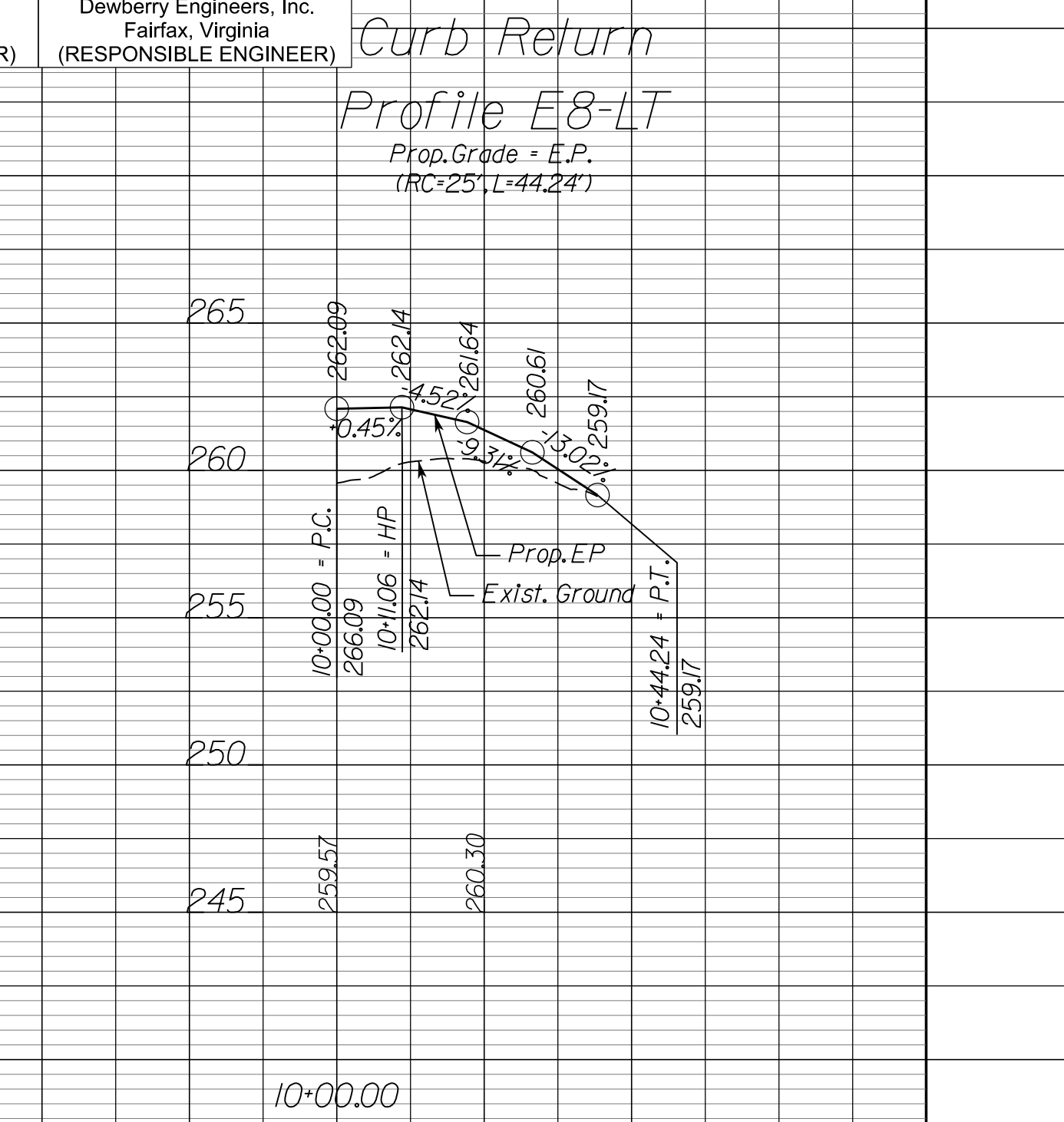
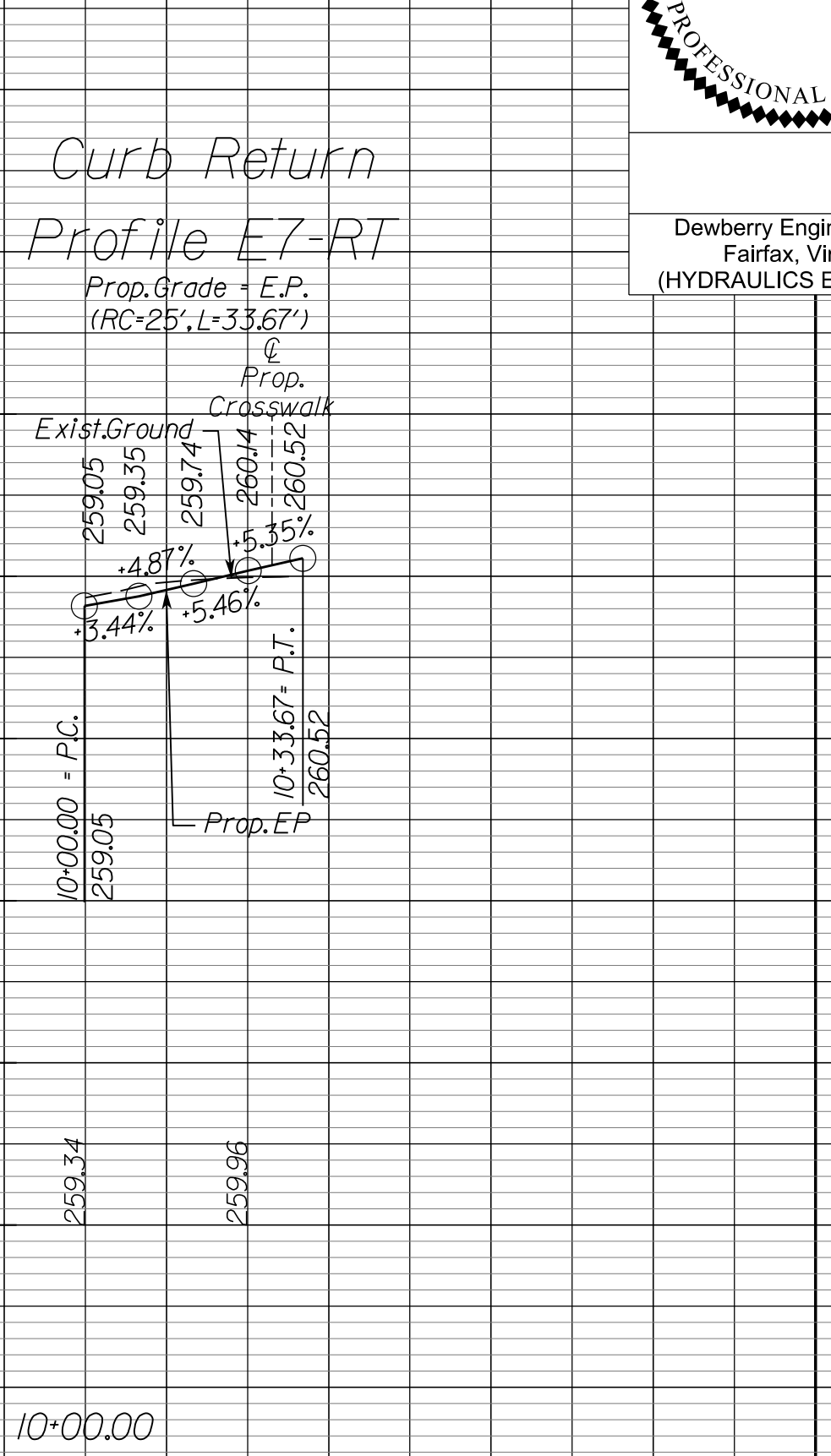
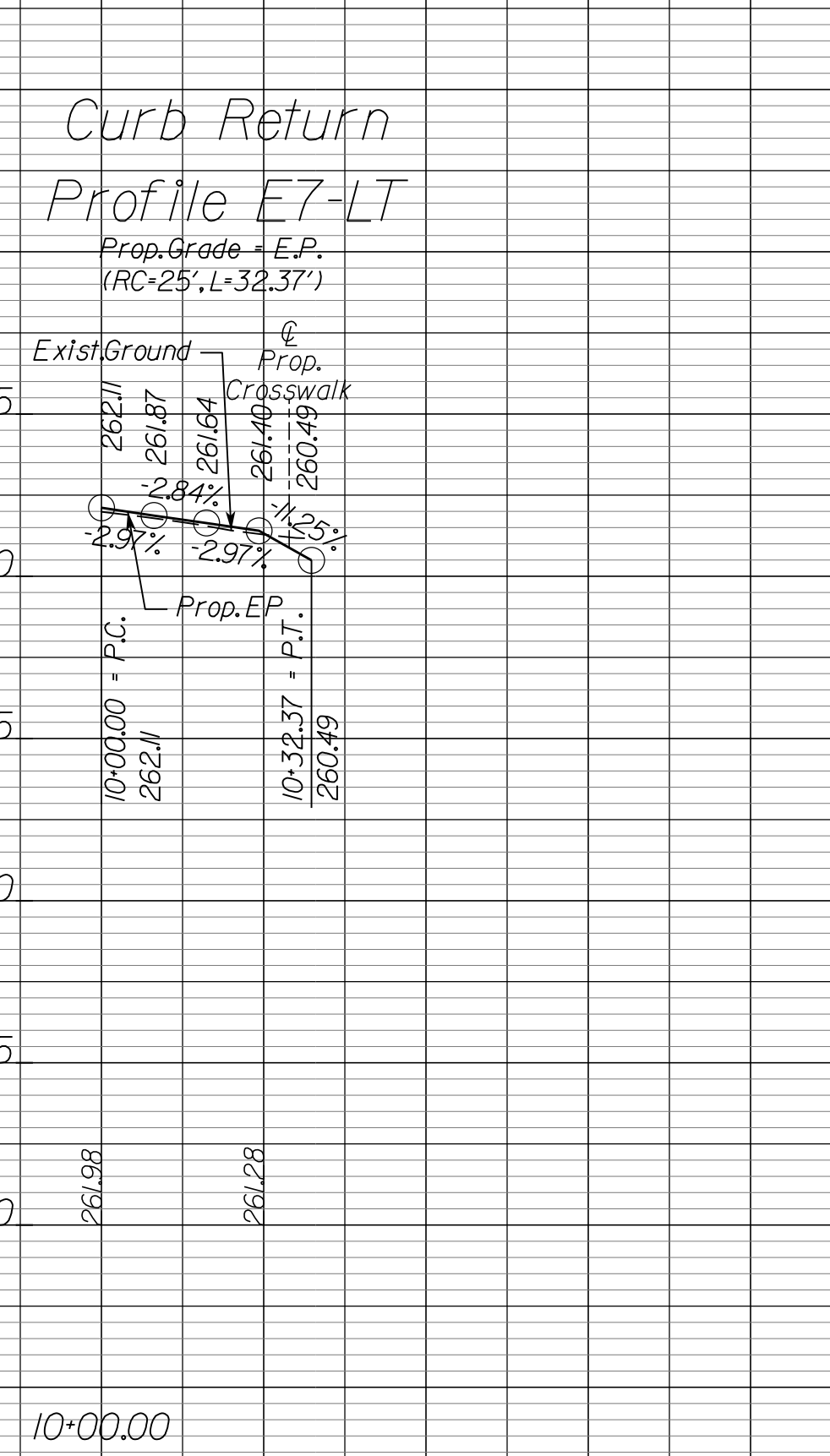
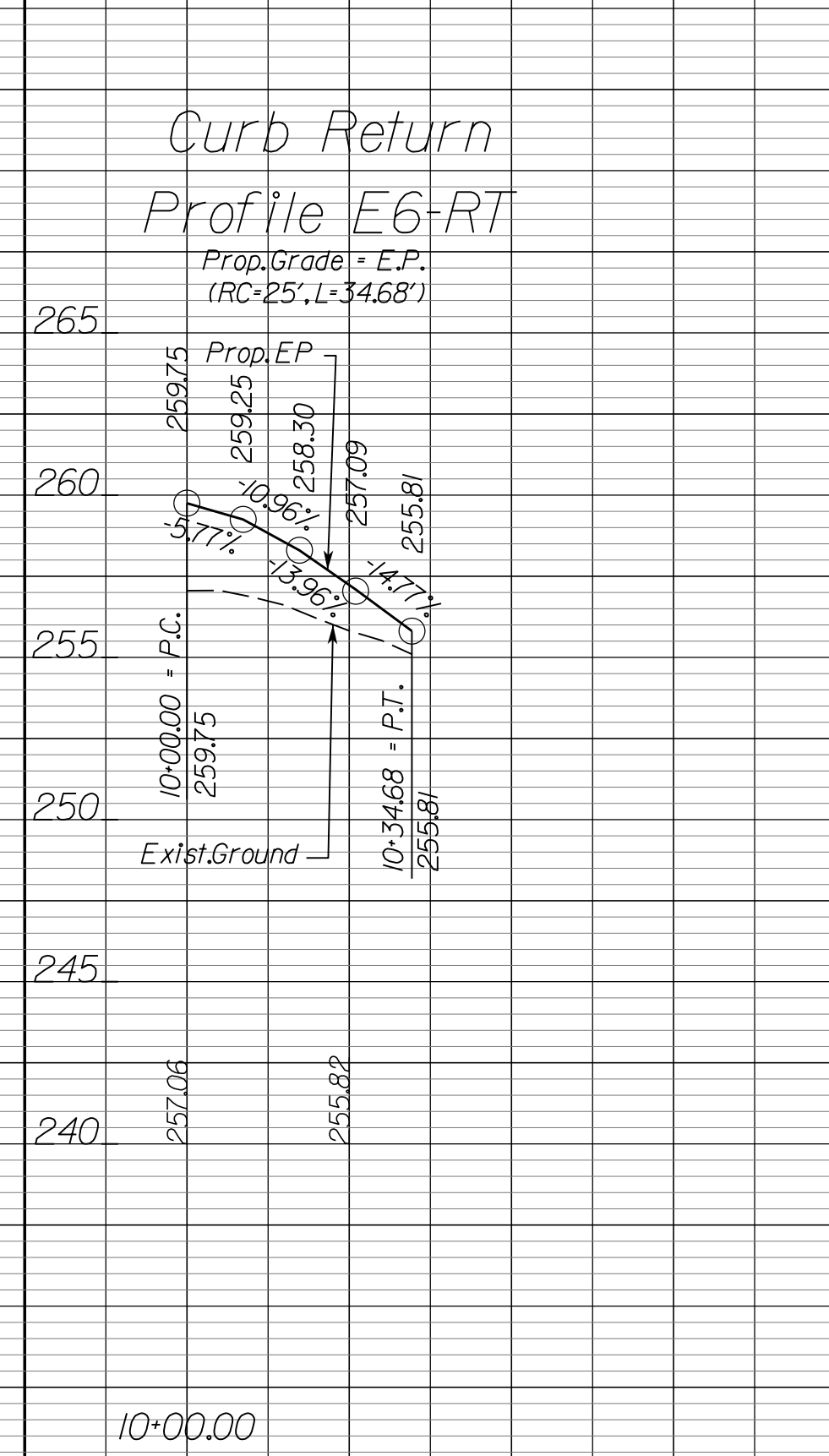
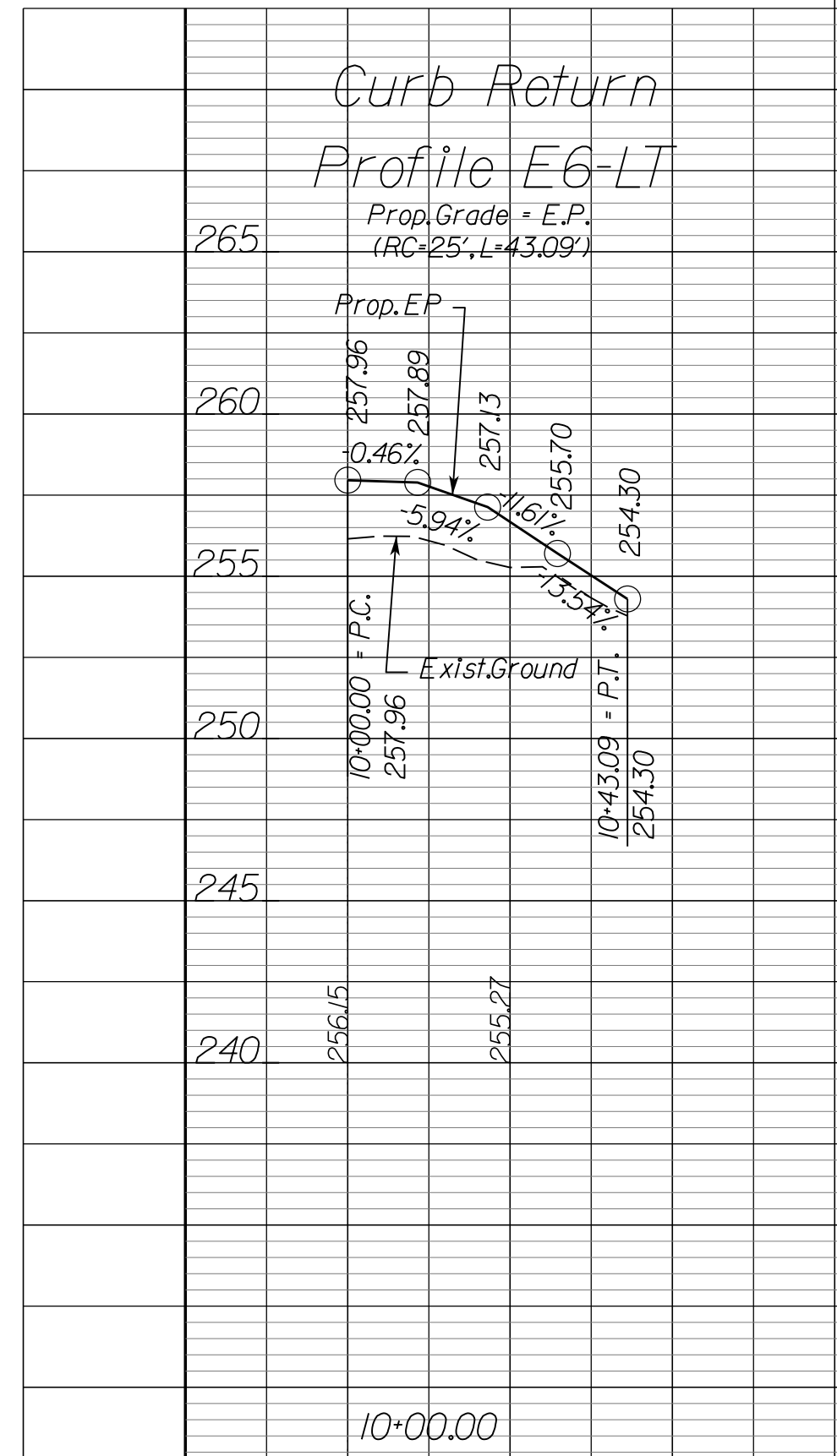
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	20(1) AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(RESPONSIBLE ENGINEER)

Curb Return Profile E8-LT
Prop. Grade = E.P.
(RC=25', L=44.24')



NOVA DISTRICT



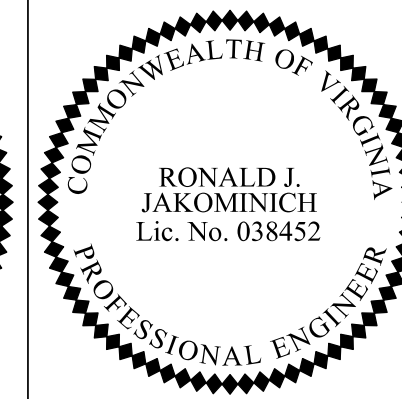
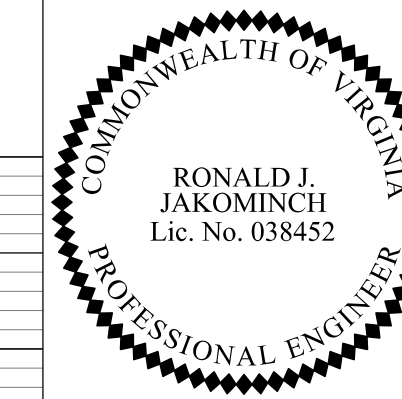
VDOT PROJECT NO.
0495-029-419

SHEET NO.
20(1)
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

CURB RETURN PROFILES

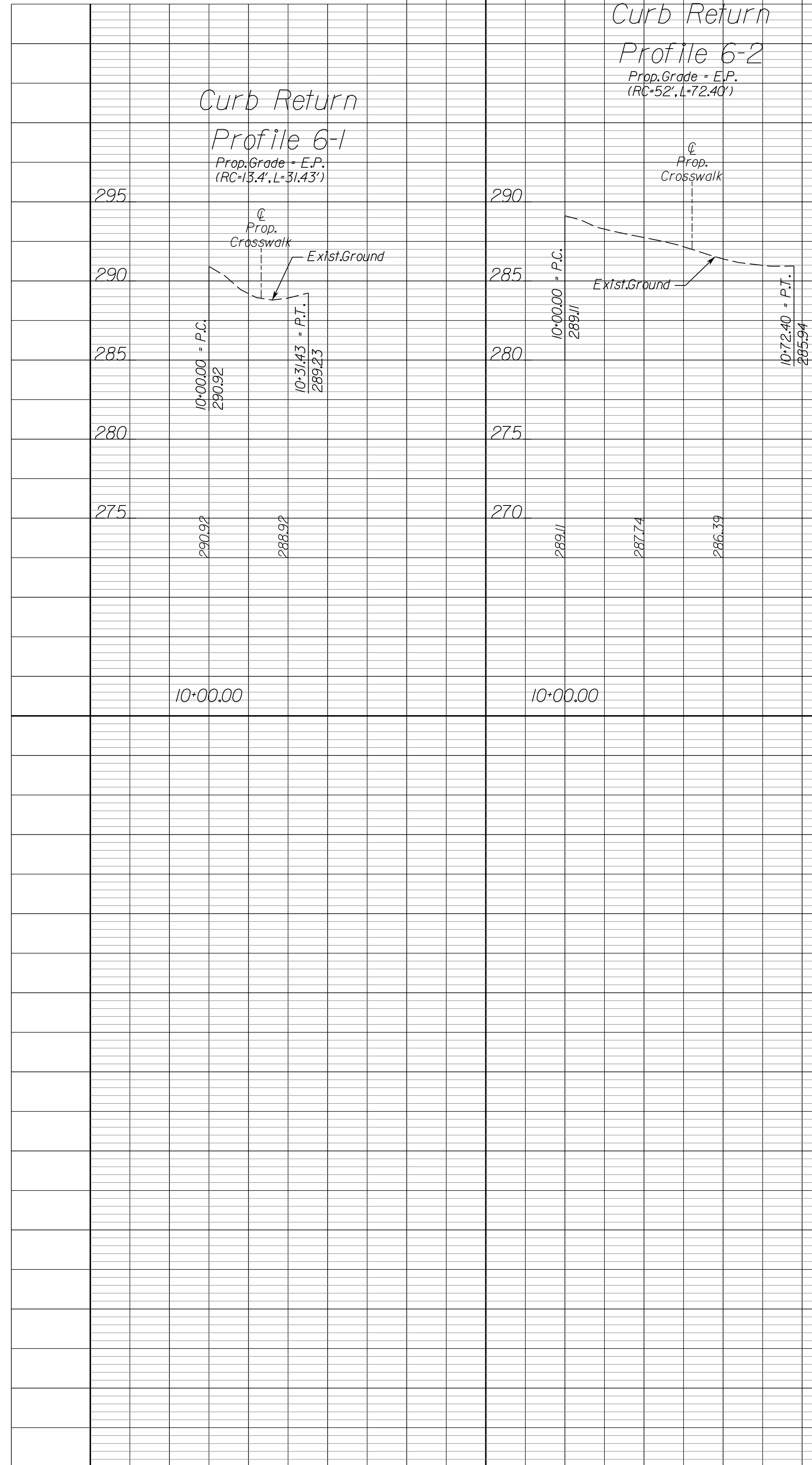


Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(RESPONSIBLE ENGINEER)

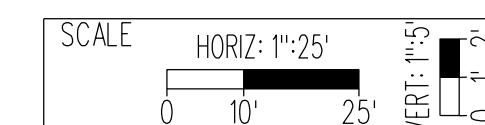
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	20(2) AREA 2

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



NOVA DISTRICT

12/16/2022



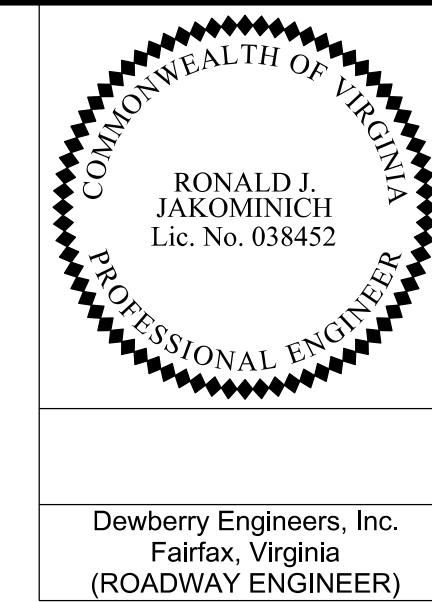
VDOT PROJECT NO. 0495-029-419

SHEET NO. 20(2) AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - *Ritpal Shah, P.E. (703) 259-2362*
 SURVEYED BY, DATE RDA - *Nicholas Kougaull, LS (703) 334-0837, 12/2021*
 DESIGN BY RDA - *Darrell Fischer, P.E. (703) 334-0823*
 SUBSURFACE UTILITY BY, DATE Accurark - *Michael Taylor, LS (703) 635-3060, 12/2021*

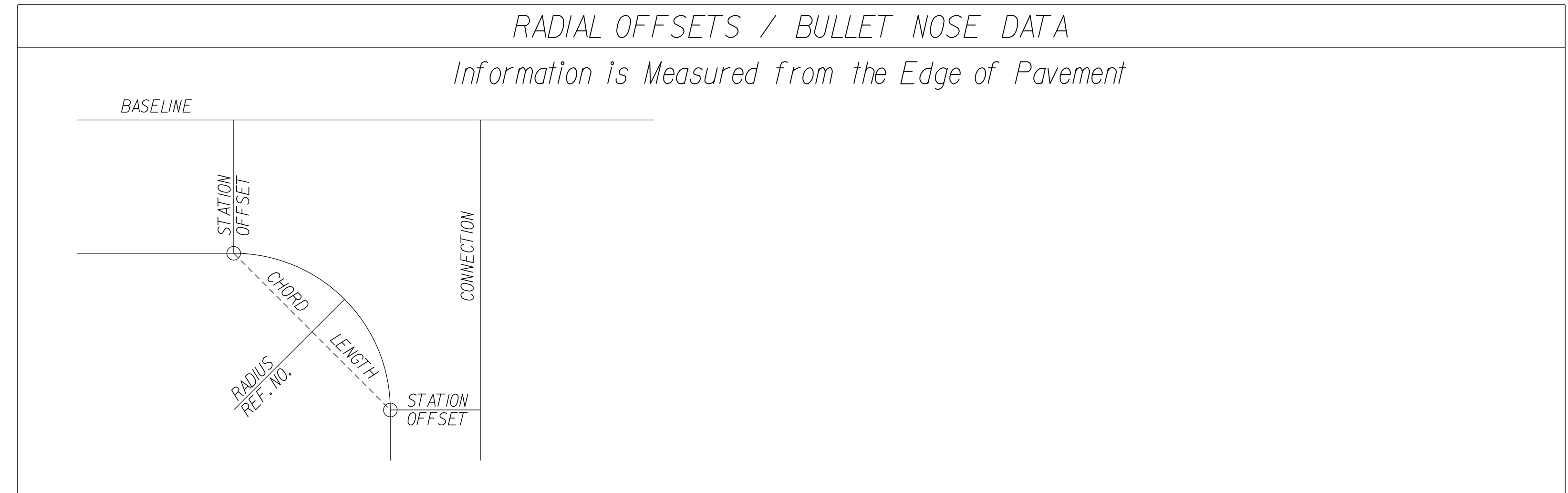
Radial Offsets/Bullet Nose Data



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	20(3) AREA 2

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

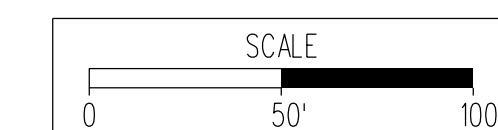
Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)



LOCATION (REF. NO.)	BASELINE		CONNECTION		RADIUS LENGTH (FEET)	CHORD LENGTH (FEET)	CURVE LENGTH (FEET)	LOCATION (REF. NO.)	BASELINE		CONNECTION		RADIUS LENGTH (FEET)	CHORD LENGTH (FEET)	CURVE LENGTH (FEET)
	SHEET - ITEM	STATION	OFFSET	STATION					OFFSET	SHEET - ITEM	STATION	OFFSET			
CR-A	21-90.16	12.09 (LT)	22-28.24	74.62 (LT)	42.88	73.21	87.73								
CR-B	19-32.05	22.00 (RT)	19-73.78	59.52 (RT)	42.00	56.15	61.50								
CR-C	10-68.43	37.66 (LT)	10-59.59	60.74 (LT)	13.42	24.72	31.43								
CR-D	10-68.89	12.19 (RT)	10-18.09	55.15 (RT)	52.00	66.69	72.40								
E1-LT	13-97.18	12.00 (LT)	10-36.01	9.71 (LT)	25.00	34.65	38.28								
E1-RT	14-65.09	12.00 (LT)	10-37.99	8.24 (RT)	25.00	36.04	40.26								
E2-RT	15-43.16	12.00 (RT)	10-36.34	13.37 (RT)	25.00	34.82	38.52								
E2-LT	16-49.69	12.00 (RT)	10-57.47	14.05 (LT)	50.00	68.27	75.14								
E3-LT	16-03.34	12.00 (LT)	10-31.53	9.41 (LT)	25.00	31.35	33.88								
E3-RT	16-68.25	12.00 (LT)	10-42.54	7.82 (RT)	25.00	37.98	43.14								
E4-RT	27-02.00	9.42 (RT)	10-35.73	17.55 (RT)	25.00	34.54	38.13								
E4-LT	28-13.57	10.08 (RT)	10-67.10	16.35 (LT)	50.00	73.96	83.25								
E5-LT	28-60.35	12.95 (LT)	10-40.21	8.90 (LT)	25.00	36.94	41.57								
E5-RT	29-28.91	12.00 (LT)	10-33.40	9.44 (RT)	25.00	33.25	36.37								
E6-LT	30-83.88	12.00 (LT)	10-41.47	4.70 (LT)	25.00	37.95	43.09								
E6-RT	31-44.89	12.00 (LT)	10-32.11	5.82 (RT)	25.00	31.96	34.68								
E7-RT	31-22.19	12.00 (RT)	10-31.45	22.71 (RT)	25.00	31.18	33.67								
E7-LT	32-15.41	12.00 (RT)	10-30.19	22.57 (LT)	25.00	30.15	32.37								
E8-LT	32-14.83	12.00 (LT)	10-44.25	8.12 (LT)	25.00	38.69	44.24								
E8-RT	32-85.27	12.00 (LT)	10-28.29	11.01 (RT)	25.00	29.52	31.57								
E9-LT	33-52.63	12.00 (LT)	10-47.56	7.49 (LT)	25.00	40.77	47.67								
E9-RT	34-21.97	12.00 (LT)	10-27.89	10.86 (RT)	25.00	28.97	30.90								

NOVA DISTRICT

12/16/2022



VDOT PROJECT NO. 0495-029-419
SHEET NO. 20(3)
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, LS (703) 635-3060, 12/2021

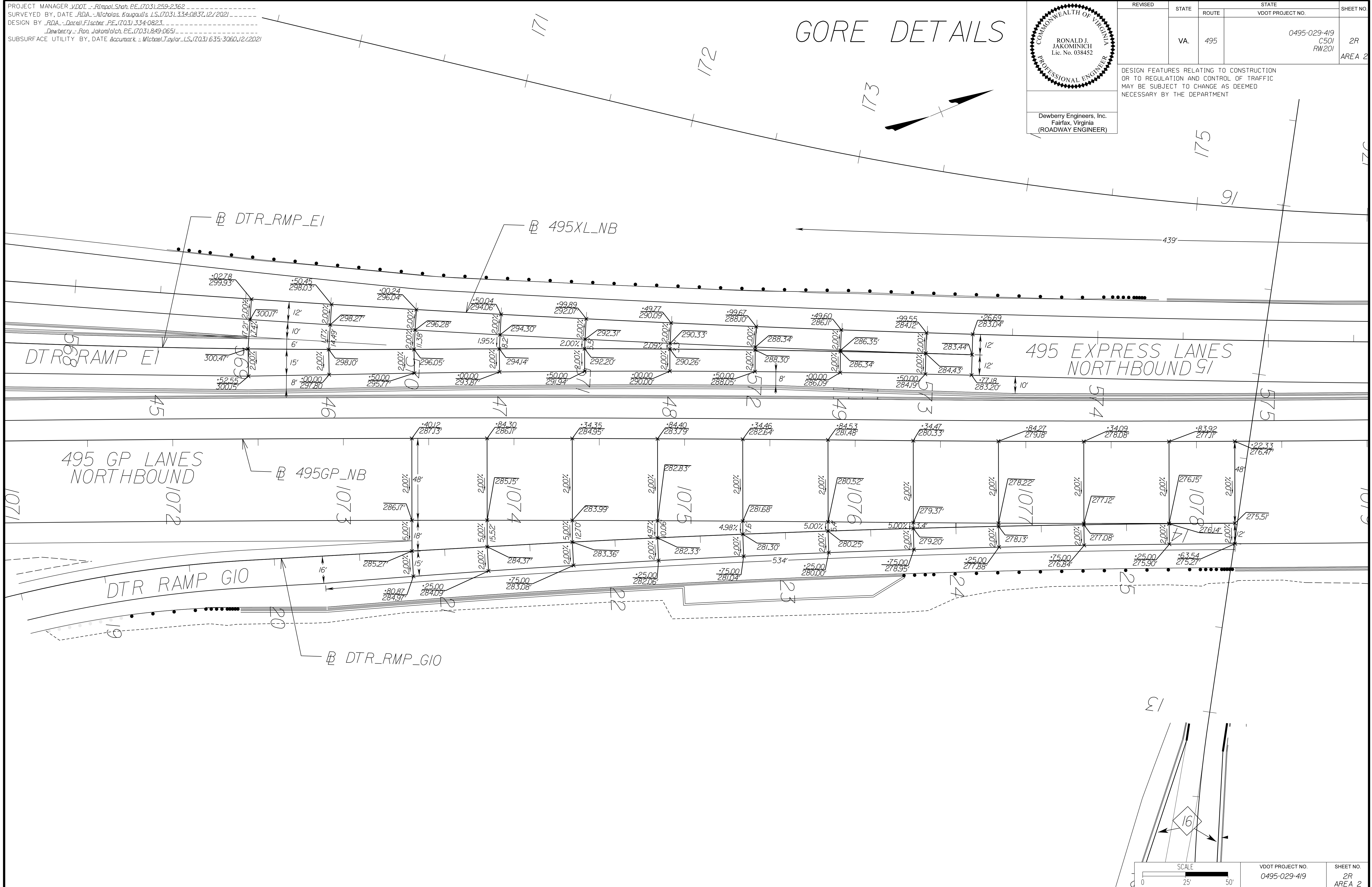
GORE DETAILS

COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
RONALD J. JAKOMINICH
Lic. No. 038452

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

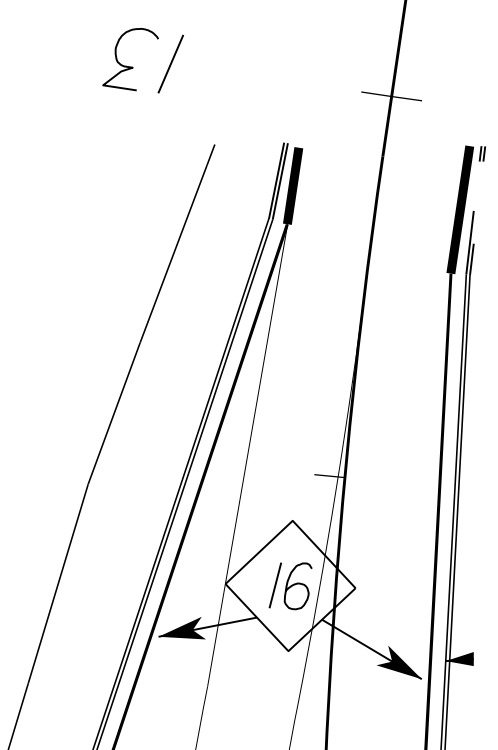
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2R AREA 2

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



NOVA DISTRICT

12/16/2022

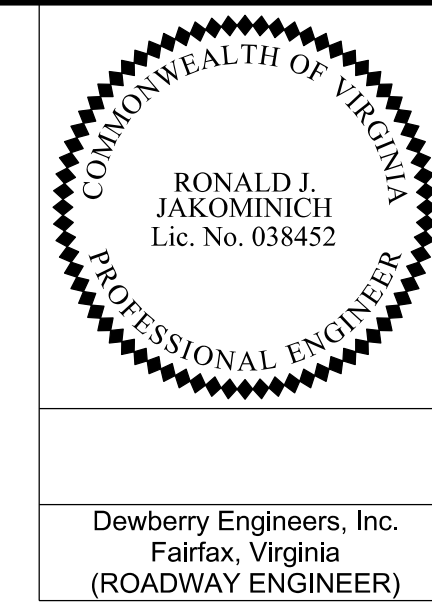


SCALE 0 25 50	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2R AREA 2
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APPROVED FOR CONSTRUCTION

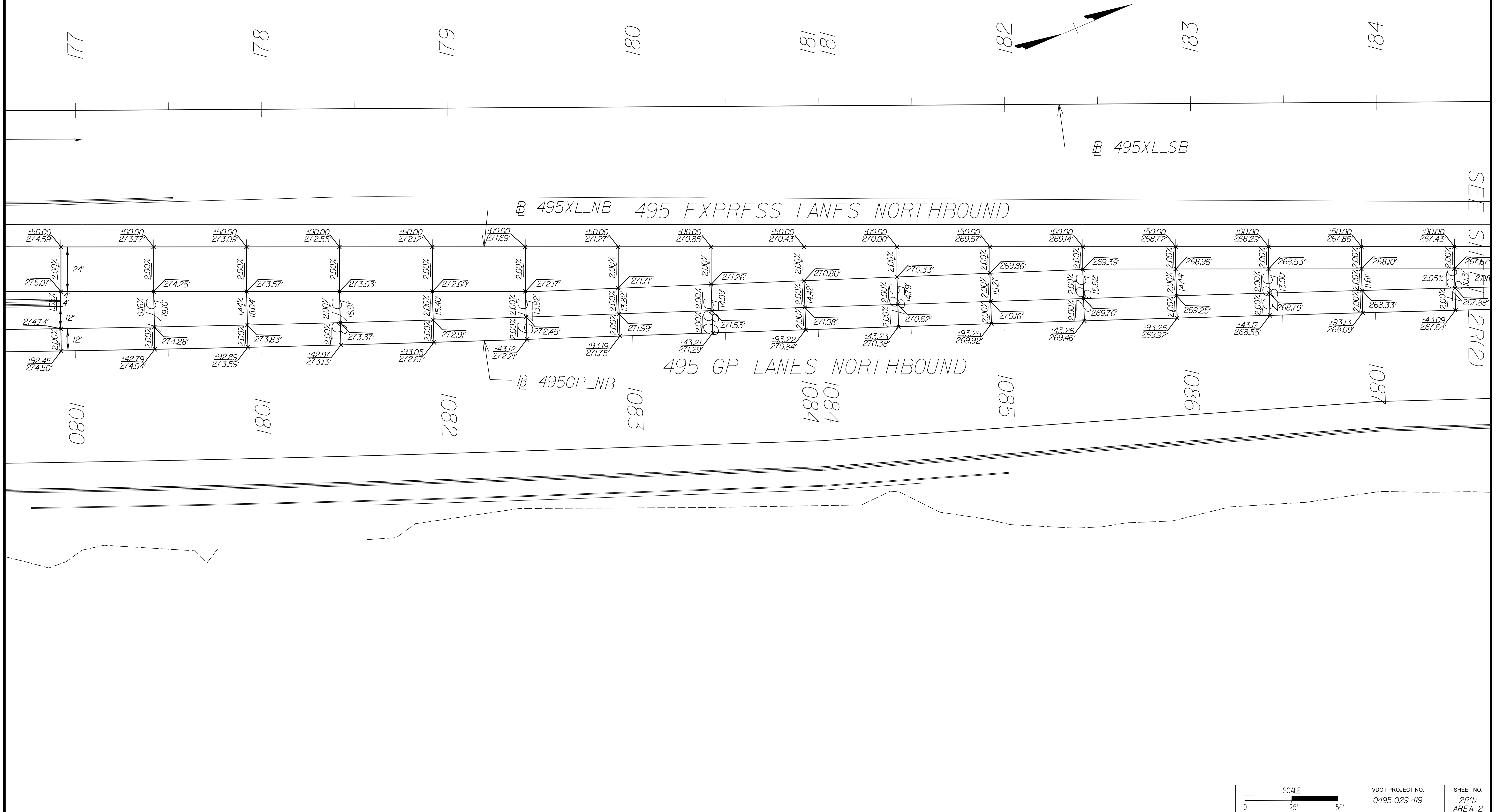
PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kougaull's, L.S. (703) 334-0837, 12/2021
DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

GORE DETAILS



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2R(1) AREA 2

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



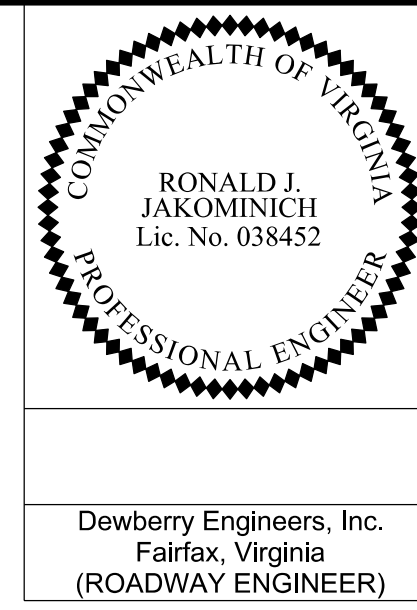
NOVA DISTRICT

SEE SHEET 2R(2)

SCALE 0 25 50	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2R(1) AREA 2
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APPROVED FOR CONSTRUCTION

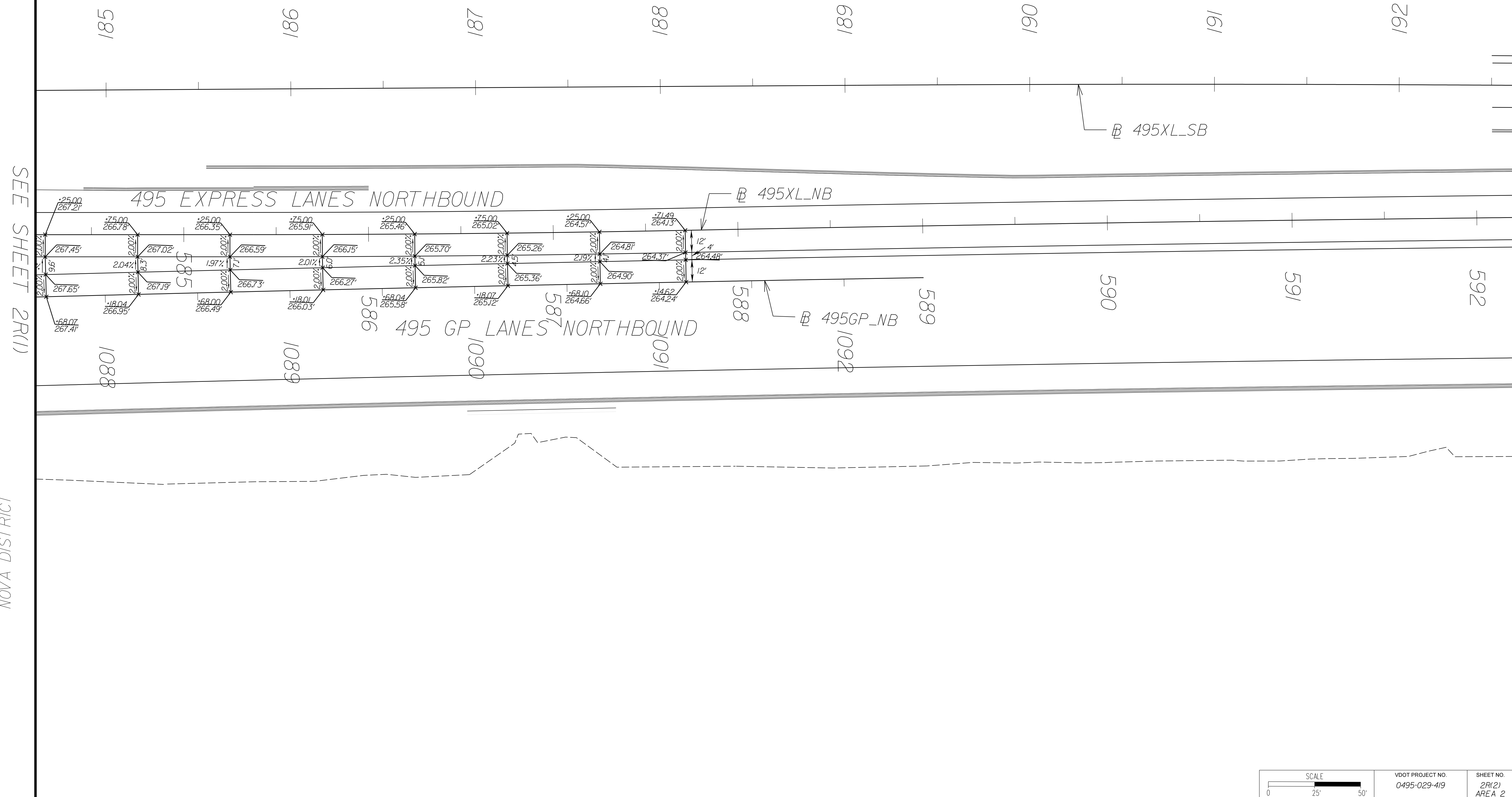
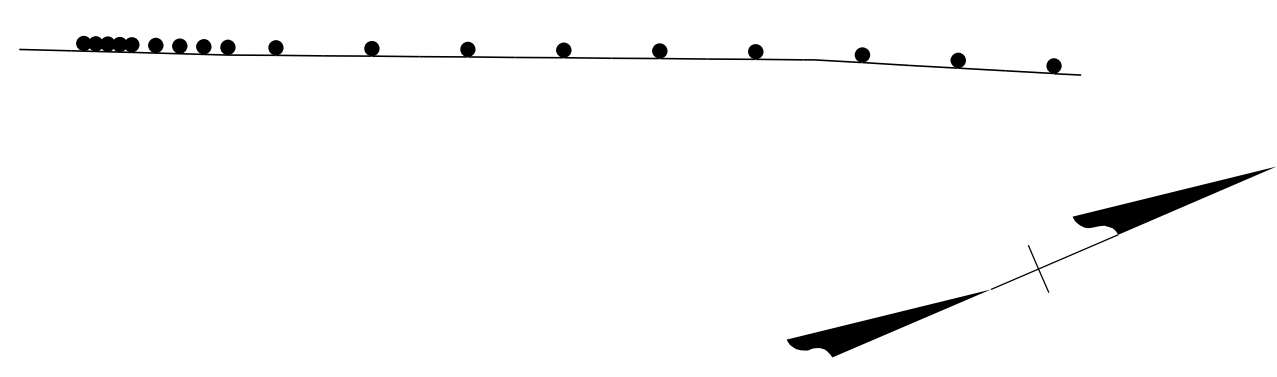
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, L.S. (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	2R(2) AREA 2

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

GORE DETAILS



SEE SHEET 2R(1)

NOVA DISTRICT

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Riprap, Sub. PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Design Legend

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	2Z AREA 2

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

Contour Legend

- 30 Proposed Major Contour (5')
- Proposed Minor Contour (1')
- Existing Major Contour (5')
- Existing Minor Contour (1')

Environmental Legend

- W.O.U.S. Waters of the US Including Wetlands
- WL Wetlands

Roadway Legend

- 1 Denotes S'd. MS-1 Req'd.
- 2 Denotes S'd. MS-1A Req'd.
- 3 Denotes S'd. MS-2 Req'd.
- 4 Denotes S'd. CG-6 Req'd.
- 5 Denotes S'd. Radial CG-6 Req'd.
- 6 Denotes S'd. CG-2 Req'd.
- 7 Denotes S'd. Radial CG-2 Req'd.
- 8 Denotes S'd. CG-3 Req'd.
- 9 Denotes S'd. Radial CG-3 Req'd.
- 10 Denotes S'd. CG-7 Req'd.
- 11 Denotes S'd. Radial CG-7 Req'd.
- 12 Denotes S'd. CG-12, Type A Req'd.
- 13 Denotes S'd. CG-12, Type B Req'd.
- 14 Denotes S'd. CG-12, Type C Req'd.
- 15 Denotes Tie to Existing Curb & Gutter
- 16 Denotes Full Depth Saw Cut Req'd.
- 17 Denotes 5' Sidewalk
- 18 Denotes 10' Shared Use Path
- 19 Denotes S'd. FE-CL Req'd.
- 20 Denotes S'd. HR-1, Type 2 Req'd.
- 21 Denotes S'd. HR-1, Type 3 Req'd.
- 22 Denotes Curb Warping Required
- 23 Denotes S'd. GR-MGS1 Req'd.
- 24 Denotes S'd. GR-MGS1A Req'd.
- 25 Denotes S'd. GR-MGS2 Req'd.
- 26 Denotes S'd. GR-MGS3 Req'd.
- 27 Denotes S'd. GR-MGS4 Req'd.
- 28 Denotes S'd. GR-FOA-2, Type I Req'd.
- 29 Denotes S'd. GR-FOA-2, Type II Req'd.
- 30 Denotes S'd. Impact Attenuator TL-2 Req'd.
- 31 Denotes S'd. Impact Attenuator TL-3 Req'd.
- 32 Denotes S'd. MB-7D, Conc. Median Barrier Req'd.
- 33 Denotes S'd. MB-7E, Conc. Median Barrier Req'd.
- 34 Denotes Mod. MB-7E, Conc. Median Barrier Req'd.
- 35 Denotes S'd. MB-7F, Conc. Median Barrier Req'd.
- 36 Not Used
- 37 Denotes S'd. MB-8A, Type I, Conc. Median Barrier Req'd.
- 38 Denotes S'd. MB-8A, Type III, Conc. Median Barrier Req'd.
- 39 Denotes S'd. MC-3B Req'd.
- 40 Denotes S'd. FE-WI Req'd.
- 41 Denotes S'd. MB-8A, Type II, Conc. Median Barrier Req'd.
- 42 Denotes S'd. GR-FOA-5
- 43 Denotes S'd. BPPS-1A Req'd.
- 44 Denotes S'd. BPPS-3A Req'd.
- 45 Denotes S'd. CG-12, Type R11 Req'd.
- 46 Denotes S'd. CG-12, Type R12 Req'd.
- 47 Denotes S'd. CG-12, Type M1 Req'd.
- 48 Denotes Edge of Pavement
- 49 Denotes Mod. MB-8A, Conc. Median Barrier Req'd.
- 50 Denotes S'd. BPB-4 Parapet with Moment Slab Req'd.
- 51 Denotes Removal of Existing RW & L/A Fence
- 52 Denotes S'd. GR-FOA-1, Type I Req'd.
- 53 Denotes S'd. GR-FOA-1, Type II Req'd.
- 54 Denotes 10' Gravel Section for Future Shared Use Path
- 55 Denotes Tall Wall/Barrier Blister Req'd.
- 56 Denotes Removal of Existing Guardrail
- 57 Denotes Removal of Existing Barrier
- 58 Denotes Concrete Gravel Dam
- 59 Denotes S'd. GR-FOA-4, Type II Req'd.
- 60 Denotes S'd. MB-3 Req'd.
- 61 Denotes S'd. GR-II Req'd.
- 62 Denotes S'd. MB-12B, Conc. Median Barrier Req'd.
- 63 Denotes S'd. GR-10, Ty. II Req'd.
- 64 Denotes S'd. MB-12C, Conc. Median Barrier Req'd.

Pavement Legend

- Denotes 4" Mill & Resurface
- Denotes 1.5" Side Roads/Connections or 2" Mill & Resurface (Mainline)
- Denotes Full Depth Pavement
- Denotes Demolition of Pavement
- Denotes Existing PCC Pavement
- Denotes Limits of Obscuring of Pave./Dwy.
- Denotes Concrete Sidewalk
- Denotes Detectable Warning Surface

Drainage Legend

- 1 Denotes UD-1 Req'd.
- 2 Denotes UD-2 Req'd.
- 3 Denotes UD-3 Req'd.
- 4 Denotes UD-4 Req'd.
- 5 Denotes CD-1 Req'd.
- 6 Denotes CD-2 Req'd.
- 7 Denotes Pipe/Structure to be Removed
- 8 Denotes Clean Pipe/Structure.
- 9 Denotes Plug and Abandon
- 10 Denotes S'd. PG-2A Req'd.
- 11 Denotes S'd. EW-12 Req'd.
- 12 Denotes UD-4 Mod. Req'd.
- 13 Denotes Connect to Pipe/Structure
- 14 Denotes ADA Compliant Structure Top Req'd.
- 15 Denotes Scupper Req'd. (See Bridge Plans For Details)
- 16 Denotes UD Outlet Pipe
- 17 Denotes S'd. PG-4 Req'd.
- 18 Denotes Repair Method B (Flexible Pipe Liner) Category C (Repair Bands) Req'd.
- 19 Denotes Repair Method B (Flexible Pipe Liner) Categories A, B, C, or D Req'd.
- 20 Denotes Repair Method B (Flexible Pipe Liner) Categories A, B, or D Req'd.
- 21 Denotes Repair Method B (Flexible Pipe Liner) Categories A or B Req'd.
- 22 Denotes Repurpose Pipe/Structure
- 23 Denotes S'd. PG-3 Type II - Class I Riprap Req'd.

R/W Legend

- 1 Denotes Prop. Temp. Constr. Ease.
- 2 Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- 3A Denotes Prop. Perm. Drainage Ease.
- 3B Denotes Prop. Perm. Drainage Slope Ease.
- 4A Denotes Prop. Dom. VZN, VDOT Utility Ease.
- 3C Denotes Prop. Perm. Drainage Wall Ease.
- 3D Denotes Prop. Perm. Slope Ease.
- 3E Denotes Prop. Perm. Wall Ease.
- 4 Denotes Prop. VDOT Utility Ease.
- 4B Denotes Prop. Dom. Energy Utility Ease.
- 4C Denotes Prop. Dom. VDOT Utility Ease.

- Proposed Right of Way (R/W)
- Proposed Right of way Pluses and Offsets
- Proposed Permanent Ease.
- Proposed Perm. Ease, Pluses and Offsets
- Prop. Prop. Temp. Constr. Ease.
- Prop. Temp. Ease, Pluses and Offsets
- Prop. Communication Ease.
- Prop. Communication Ease, Pluses and Offsets
- Prop. Sewer Ease.
- Prop. Sewer Easement Pluses and Offsets
- Prop. Water Ease.
- Prop. Water Ease, Pluses and Offsets
- Prop. Gas Ease.
- Prop. Gas Ease, Pluses and Offsets
- Prop. Demolition Numbers
- 022 Prop. Parcel Numbers
- Prop. Limited Access (L/A) Only
- Prop. Limited Access Only Pluses and Offsets
- Prop. Temp. Ease. for Entrances and Parking Lots
- Prop. Temp. Ease. for Entrances Pluses and Offsets
- Prop. Perm. SWM Pond Ease.
- Prop. Perm. SWM Pond Ease, Pluses and Offsets
- Prop. Perm. Sight Distance Ease.
- Prop. Perm. Sight Distance Ease, Pluses and Offsets
- Prop. Perm. Roadway Lighting Ease.
- Prop. Perm. Roadway Lighting Ease, Pluses and Offsets
- Prop. Perm. Traffic Signal Ease.
- Prop. Perm. Traffic Signal Ease, Pluses and Offsets
- Prop. Perm. Signage Ease.
- Prop. Perm. Signage Ease, Pluses and Offsets
- Prop. Perm. Perpetual Ease.
- Prop. Perm. Perpetual Ease, Pluses and Offsets

NOVA DISTRICT

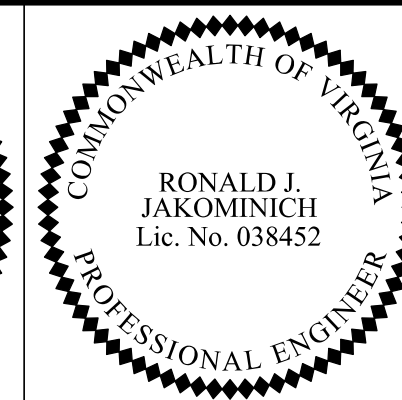
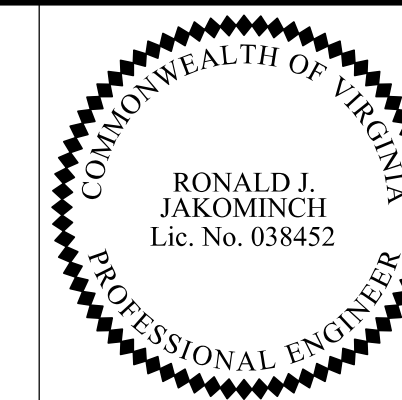
12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougaullis, LS, (703) 334-0837, 12/2/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2/2021

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

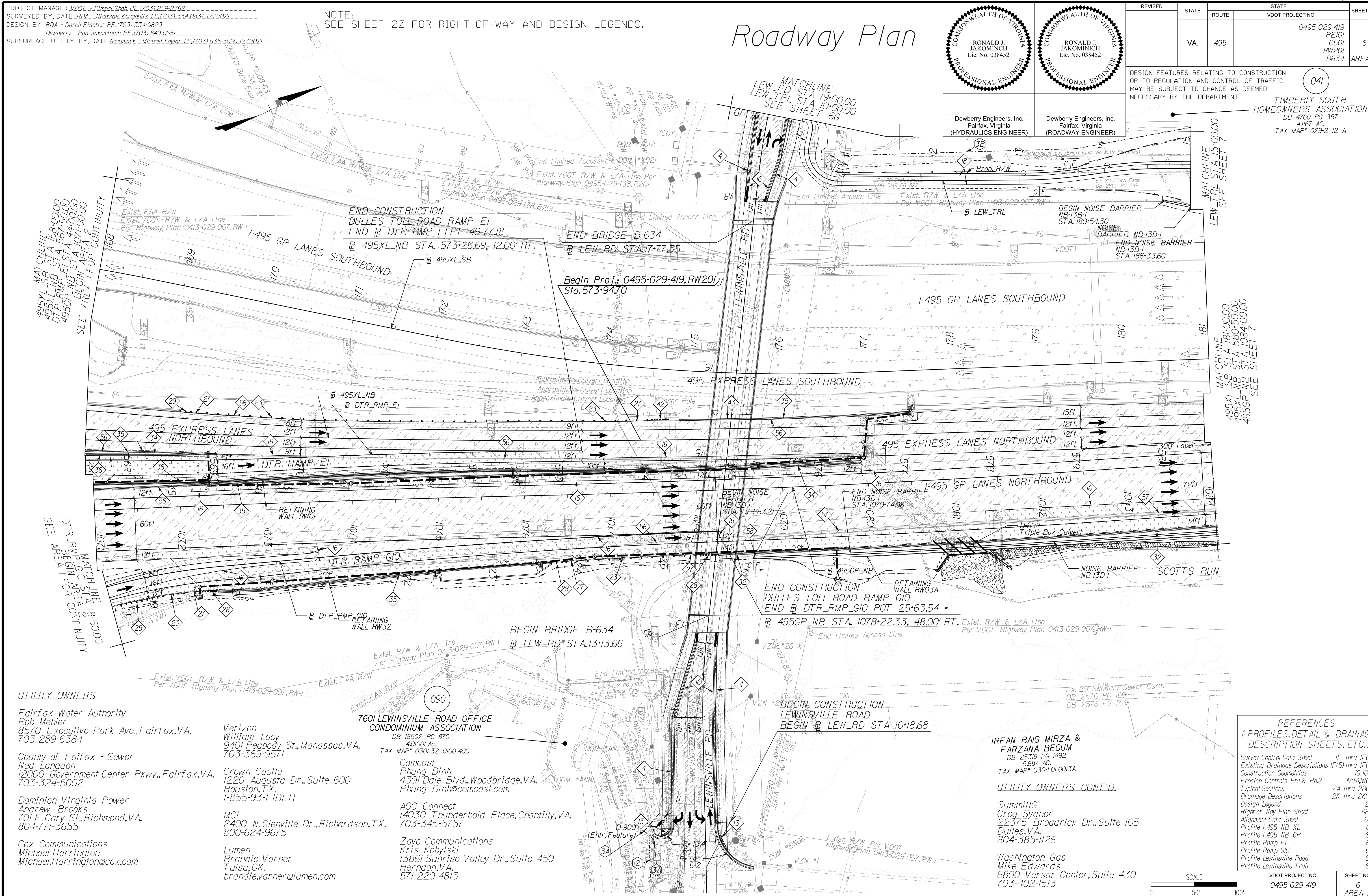
Roadway Plan



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 C501 RW201 B634	6 AREA 2

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

TIMBERLY SOUTH HOMEOWNERS ASSOCIATION
 DB 4760 PG 357
 4.1167 AC.
 TAX MAP* 029-2 I2 A



UTILITY OWNERS

Fairfax Water Authority
 Rob Mehler
 8570 Executive Park Ave., Fairfax, VA.
 703-289-6384

County of Fairfax - Sewer
 Ned Langdon
 12000 Government Center Pkwy., Fairfax, VA.
 703-324-5002

Dominion Virginia Power
 Andrew Brooks
 701 E. Cary St., Richmond, VA.
 804-771-3655

Cox Communications
 Michael Harrington
 Michael.Harrington@cox.com

Verizon
 William Lacy
 9401 Peabody St., Manassas, VA.
 703-369-9571

Crown Castle
 1220 Augusta Dr., Suite 600
 Houston, TX.
 1-855-93-FIBER

MCI
 2400 N. Glenville Dr., Richardson, TX.
 800-624-9675

Lumen
 Brandie Varner
 Tulsa, OK.
 brandie.varner@lumen.com

7601 LEWINSVILLE ROAD OFFICE
 CONDOMINIUM ASSOCIATION
 DB 18502 PG 870
 4.01001 Ac.
 TAX MAP* 0301 32 0100-400

Comcast
 Phung Dinh
 4391 Dale Blvd., Woodbridge, VA.
 Phung_Dinh@comcast.com

AOC Connect
 14030 Thunderbold Place, Chantilly, VA.
 703-345-5757

Zayo Communications
 Kris Kobylski
 13861 Sunrise Valley Dr., Suite 450
 Herndon, VA.
 571-220-4813

IRFAN BAIG MIRZA &
 FARZANA BEGUM
 DB 25318 PG 1492
 5.687 AC.
 TAX MAP* 0301 01 0013A

UTILITY OWNERS CONT'D.

SummitIG
 Greg Sydnor
 22375 Broadrick Dr., Suite 165
 Dulles, VA.
 804-385-1126

Washington Gas
 Mike Edwards
 6800 Versar Center, Suite 430
 703-402-1513

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	16, 10(1)
Erosion Controls Ph1 & Ph2	16(1), 16(1)
Typical Sections	2A thru 2K(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	6RW
Alignment Data Sheet	6(1)
Profile I-495 NB XL	6A
Profile I-495 NB GP	6B
Profile Ramp EI	6C
Profile Ramp GIO	6D
Profile Lewinsville Road	6E
Profile Lewinsville Trail	6F

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	6 AREA 2

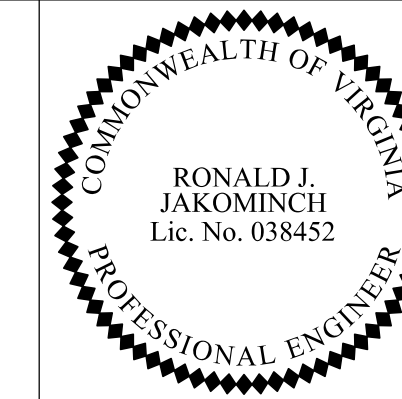
APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, LS, (703) 334-0837, 12/2/2021
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
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NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

Drainage Plan



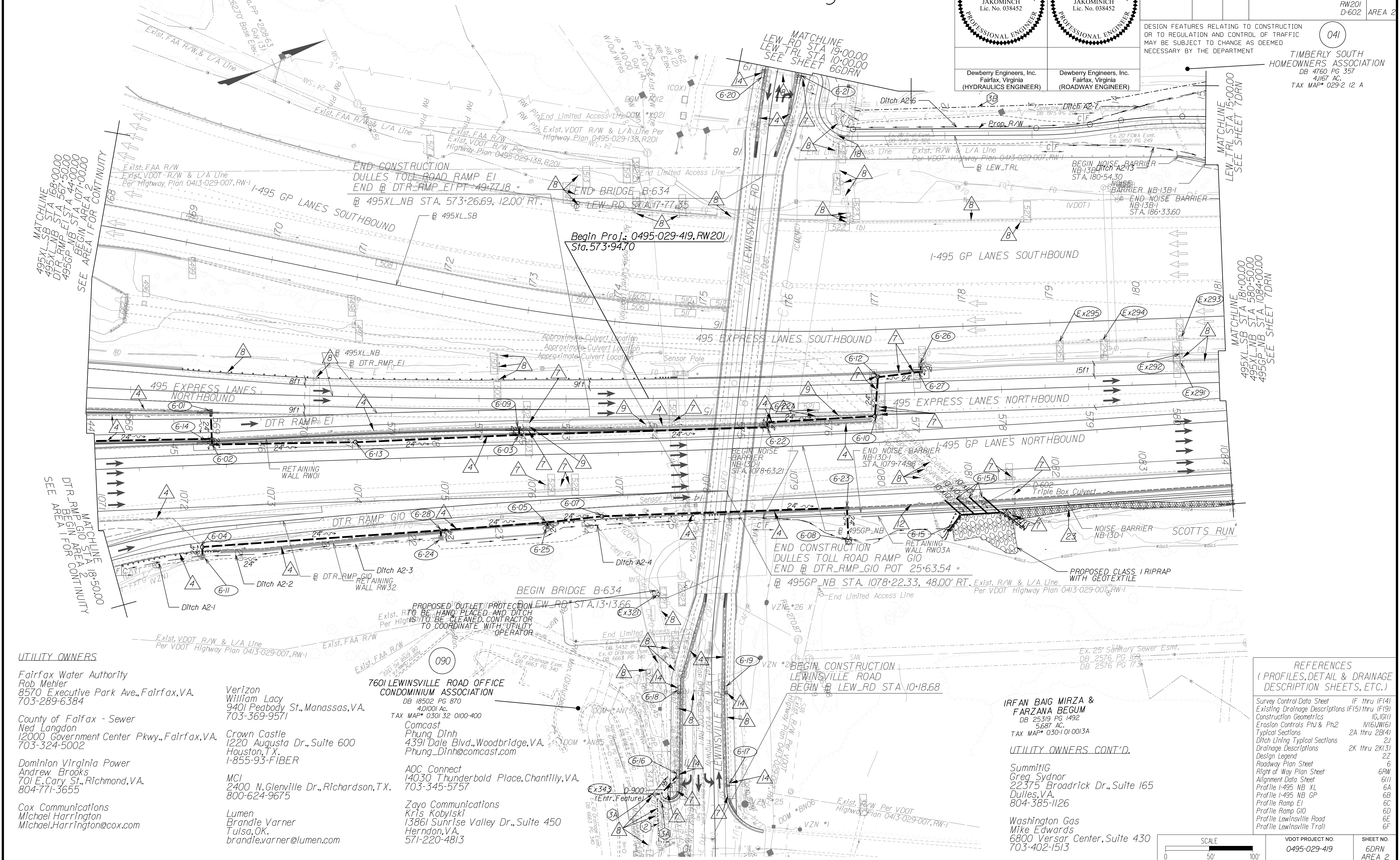
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 PE101 C501 RW201 D-602	6DRN AREA 2

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

TIMBERLY SOUTH HOMEOWNERS ASSOCIATION
 DB 4760 PG 357
 4.1167 AC.
 TAX MAP* 029-2 I2 A



UTILITY OWNERS

Fairfax Water Authority
 Rob Mehler
 8570 Executive Park Ave., Fairfax, VA.
 703-289-6384

County of Fairfax - Sewer
 Ned Langdon
 12000 Government Center Pkwy., Fairfax, VA.
 703-324-5002

Dominion Virginia Power
 Andrew Brooks
 701 E. Cary St., Richmond, VA.
 804-771-3655

Cox Communications
 Michael Harrington
 Michael.Harrington@cox.com

Verizon
 William Lacy
 9401 Peabody St., Manassas, VA.
 703-369-9571

Crown Castle
 1220 Augusta Dr., Suite 600
 Houston, TX.
 1-855-93-FIBER

MCI
 2400 N. Glenville Dr., Richardson, TX.
 800-624-9675

Lumen
 Brandie Varner
 Tulsa, OK.
 brandie.varner@lumen.com

7601 LEWINSVILLE ROAD OFFICE
 CONDOMINIUM ASSOCIATION
 DB 18502 PG 870
 4.01001 Ac.
 TAX MAP* 0301 32 0100-400

Comcast
 Phung Dinh
 4391 Dale Blvd., Woodbridge, VA.
 Phung_Dinh@comcast.com

AOC Connect
 14030 Thunderbold Place, Chantilly, VA.
 703-345-5757

Zayo Communications
 Kris Kobylski
 13861 Sunrise Valley Dr., Suite 450
 Herndon, VA.
 571-220-4813

IRFAN BAIG MIRZA &
 FARZANA BEGUM
 DB 25318 PG 1492
 5.6887 AC.
 TAX MAP* 0301 01 0013A

UTILITY OWNERS CONT'D.

SummitIG
 Greg Sydnor
 22375 Broadrick Dr., Suite 165
 Dulles, VA.
 804-385-1126

Washington Gas
 Mike Edwards
 6800 Versar Center, Suite 430
 703-402-1513

REFERENCES

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	IG, IG(1)
Erosion Controls Ph1 & Ph2	I(6), I(16)
Typical Sections	2A thru 2B(4)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	6
Right of Way Plan Sheet	6RW
Alignment Data Sheet	6(1)
Profile I-495 NB XL	6A
Profile I-495 NB GP	6B
Profile Ramp EI	6C
Profile Ramp GIO	6D
Profile Lewinsville Road	6E
Profile Lewinsville Trail	6F

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	6DRN AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

LEGEND

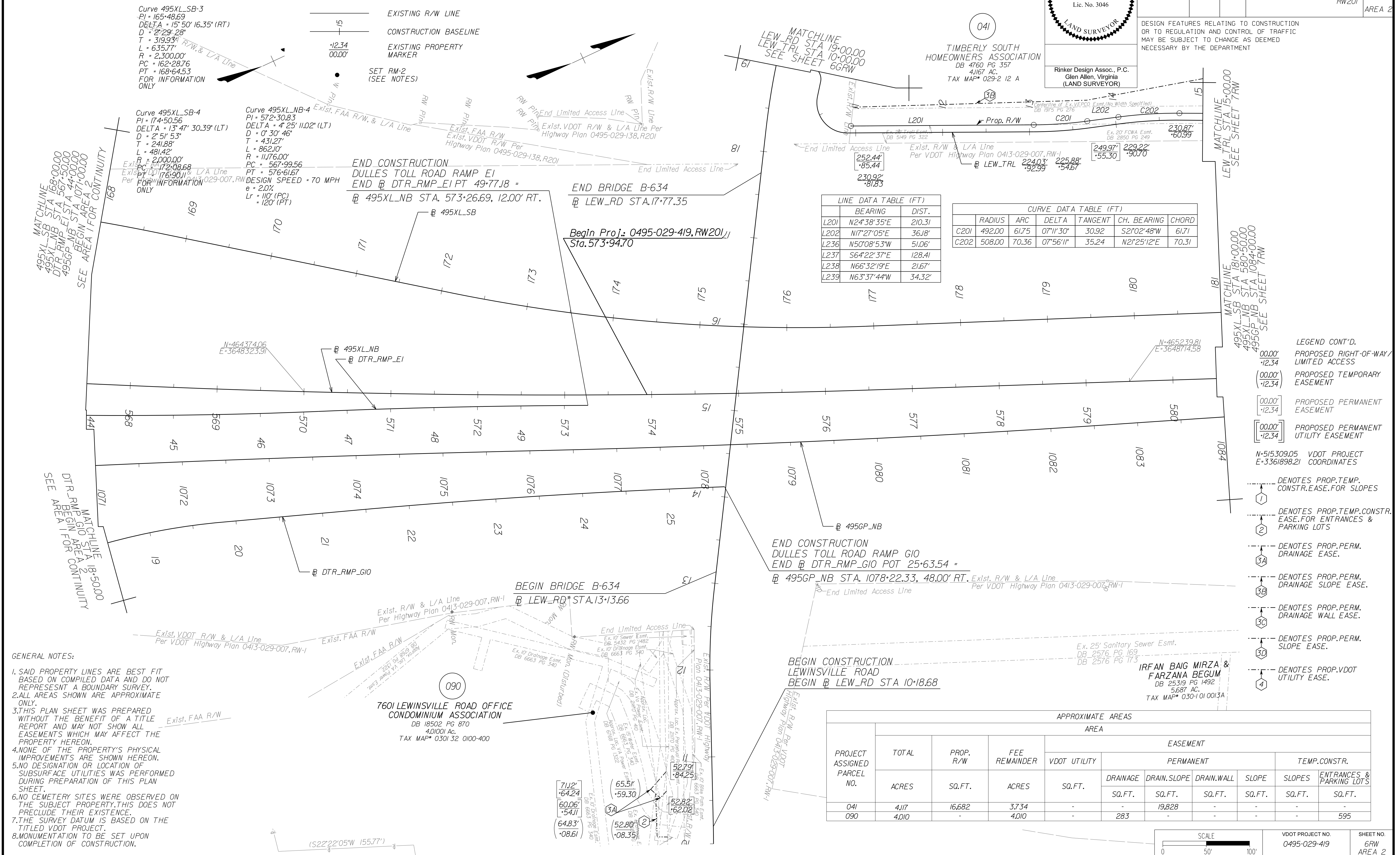
- IPF/IRF ◦ EXISTING PROPERTY MARKER
- EXISTING PROPERTY LINE
- EXISTING R/W LINE
- CONSTRUCTION BASELINE
- EXISTING PROPERTY MARKER
- SET RM-2 (SEE NOTES)

COMMONWEALTH OF VIRGINIA
 NICHOLAS KOUGOULIS
 Lic. No. 3046
 LAND SURVEYOR

Rinker Design Assoc., P.C.
 Glen Allen, Virginia
 (LAND SURVEYOR)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
RW001	VA	495		0495-029-419 C501 RW201	6RW AREA 2

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



LINE DATA TABLE (FT)

	BEARING	DIST.
L201	N24°38'35"E	210.31
L202	N17°27'05"E	36.18
L236	N50°08'53"W	51.06'
L237	S64°22'37"E	128.41
L238	N66°32'19"E	21.67'
L239	N63°37'44"W	34.32'

CURVE DATA TABLE (FT)

	RADIUS	ARC	DELTA	TANGENT	CH. BEARING	CHORD
C201	492.00	61.75	07°11'30"	30.92	S21°02'48"W	61.71
C202	508.00	70.36	07°56'11"	35.24	N21°25'12"E	70.31

- LEGEND CONT'D.**
- 00.00' -12.34' PROPOSED RIGHT-OF-WAY / LIMITED ACCESS
 - (00.00') -12.34' PROPOSED TEMPORARY EASEMENT
 - [00.00'] -12.34' PROPOSED PERMANENT EASEMENT
 - [00.00'] -12.34' PROPOSED PERMANENT UTILITY EASEMENT
 - N-515309.05 E-3361898.21 VDOT PROJECT COORDINATES
 - 1 DENOTES PROP. TEMP. CONSTR. EASE. FOR SLOPES
 - 2 DENOTES PROP. TEMP. CONSTR. EASE. FOR ENTRANCES & PARKING LOTS
 - 3A DENOTES PROP. PERM. DRAINAGE EASE.
 - 3B DENOTES PROP. PERM. DRAINAGE SLOPE EASE.
 - 3C DENOTES PROP. PERM. DRAINAGE WALL EASE.
 - 3D DENOTES PROP. PERM. SLOPE EASE.
 - 4 DENOTES PROP. VDOT UTILITY EASE.

GENERAL NOTES:

- SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
- ALL AREAS SHOWN ARE APPROXIMATE ONLY.
- THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
- NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
- NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
- NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
- THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
- MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

APPROXIMATE AREAS

PROJECT ASSIGNED PARCEL NO.	TOTAL AREA		EASEMENT						
	ACRES	SQ. FT.	VDOT UTILITY SQ. FT.	PERMANENT			TEMP. CONSTR.		
				DRAINAGE SQ. FT.	DRAIN. SLOPE SQ. FT.	DRAIN. WALL SQ. FT.	SLOPE SQ. FT.	ENTRANCES & PARKING LOTS SQ. FT.	
041	4.117	16,682	-	-	19,828	-	-	-	-
090	4.010	-	-	283	-	-	-	-	595

SCALE 0 50' 100'

VDOT PROJECT NO. 0495-029-419 SHEET NO. 6RW AREA 2

APP. FOR ROW

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2/2021
DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2/2021

Curve LEW_TRL2
PI = 10+71.53
DELTA = 102° 22' 30.56" (LT)
D = 163' 42' 08"
T = 43.51'
L = 62.54'
R = 35.00'
PC = 10+28.02
PT = 10+90.56
DESIGN SPEED = 18 MPH
e = 2.00% (RC)
Lr = N/A

Curve LEW_TRL4
PI = 14+38.50
DELTA = 7° 56' 11.52" (RT)
D = 11' 27' 33"
T = 34.69'
L = 69.26'
R = 500.00'
PC = 14+03.81
PT = 14+73.07
DESIGN SPEED = 18 MPH
e = 2.00% (RC)
Lr = N/A

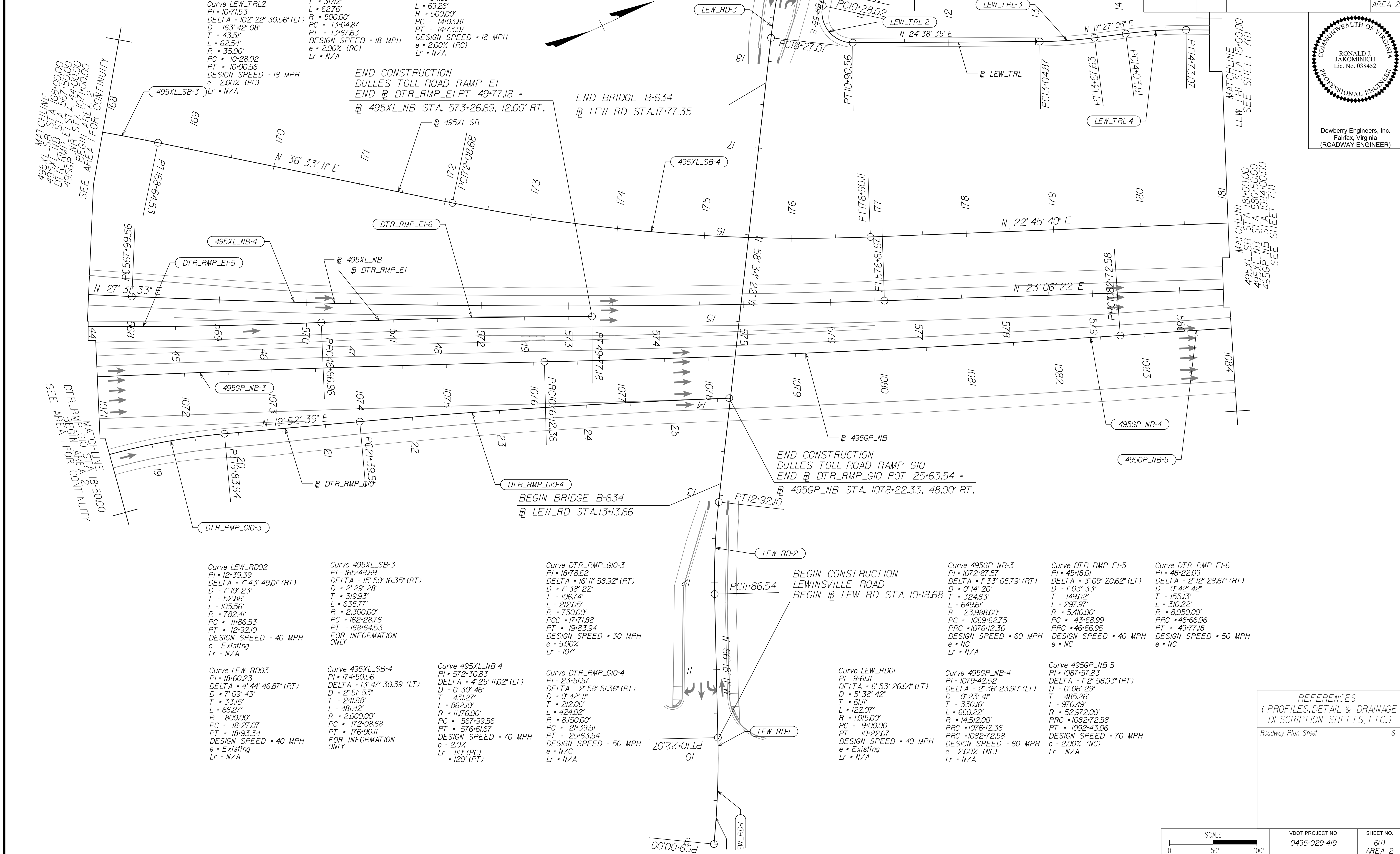
Alignment Data

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	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	6(1) AREA 2



Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)



Curve LEW_RD02
PI = 12+39.39
DELTA = 7° 43' 49.01" (RT)
D = 7' 19' 23"
T = 52.86'
L = 105.56'
R = 782.41'
PC = 11+86.53
PT = 12+92.10
DESIGN SPEED = 40 MPH
e = Existing
Lr = N/A

Curve 495XL-SB-3
PI = 165+48.69
DELTA = 15° 50' 16.35" (RT)
D = 2' 29' 28"
T = 319.93'
L = 635.77'
R = 2,300.00'
PC = 162+28.76
PT = 168+64.53
FOR INFORMATION ONLY

Curve DTR_RMP_GIO-3
PI = 18+78.62
DELTA = 16° 11' 58.92" (RT)
D = 7' 38' 22"
T = 106.74'
L = 212.05'
R = 750.00'
PCC = 17+71.88
PT = 19+83.94
DESIGN SPEED = 30 MPH
e = 5.00%
Lr = 107'

Curve LEW_RD03
PI = 18+60.23
DELTA = 4° 44' 46.87" (RT)
D = 7' 09' 43"
T = 33.15'
L = 66.27'
R = 800.00'
PC = 18+27.07
PT = 18+93.34
DESIGN SPEED = 40 MPH
e = Existing
Lr = N/A

Curve 495XL-SB-4
PI = 174+50.56
DELTA = 13° 47' 30.39" (LT)
D = 2' 51' 53"
T = 241.88'
L = 481.42'
R = 2,000.00'
PC = 172+08.68
PT = 176+90.11
FOR INFORMATION ONLY

Curve 495XL-NB-4
PI = 572+30.83
DELTA = 4° 25' 11.02" (LT)
D = 0' 30' 46"
T = 431.27'
L = 862.10'
R = 1,176.00'
PC = 567+99.56
PT = 576+61.67
DESIGN SPEED = 70 MPH
e = 2.0%
Lr = 110' (PC)
Lr = 120' (PT)

Curve DTR_RMP_GIO-4
PI = 23+51.57
DELTA = 2° 58' 51.36" (RT)
D = 0' 42' 11"
T = 212.06'
L = 424.02'
R = 815.000'
PC = 21+39.51
PT = 25+63.54
DESIGN SPEED = 50 MPH
e = N/C
Lr = N/A

Curve LEW_RD01
PI = 9+61.11
DELTA = 6° 53' 26.64" (LT)
D = 5' 38' 42"
T = 61.11'
L = 122.07'
R = 1,015.00'
PC = 9+00.00
PT = 10+22.07
DESIGN SPEED = 40 MPH
e = Existing
Lr = N/A

Curve 495GP-NB-3
PI = 1072+87.57
DELTA = 1° 33' 05.79" (RT)
D = 0' 14' 20"
T = 324.83'
L = 649.61'
R = 23,988.00'
PC = 1069+62.75
PT = 1076+12.36
DESIGN SPEED = 60 MPH
e = NC
Lr = N/A

Curve DTR_RMP-EI-5
PI = 45+18.01
DELTA = 3° 09' 20.62" (LT)
D = 1' 03' 33"
T = 149.02'
L = 297.97'
R = 5,410.00'
PC = 43+68.99
PT = 46+66.96
DESIGN SPEED = 40 MPH
e = NC

Curve DTR_RMP-EI-6
PI = 48+22.09
DELTA = 2° 12' 28.67" (RT)
D = 0' 42' 42"
T = 155.13'
L = 310.22'
R = 8,050.00'
PC = 46+66.96
PT = 49+77.18
DESIGN SPEED = 50 MPH
e = NC

Curve 495GP-NB-4
PI = 1079+42.52
DELTA = 2° 36' 23.90" (LT)
D = 0' 23' 41"
T = 330.16'
L = 660.22'
R = 14,512.00'
PC = 1076+12.36
PT = 1082+72.58
DESIGN SPEED = 60 MPH
e = 2.00% (NC)
Lr = N/A

Curve 495GP-NB-5
PI = 1087+57.83
DELTA = 1° 21' 58.93" (RT)
D = 0' 06' 29"
T = 485.26'
L = 970.49'
R = 52,972.00'
PC = 1082+72.58
PT = 1092+43.06
DESIGN SPEED = 70 MPH
e = 2.00% (NC)
Lr = N/A

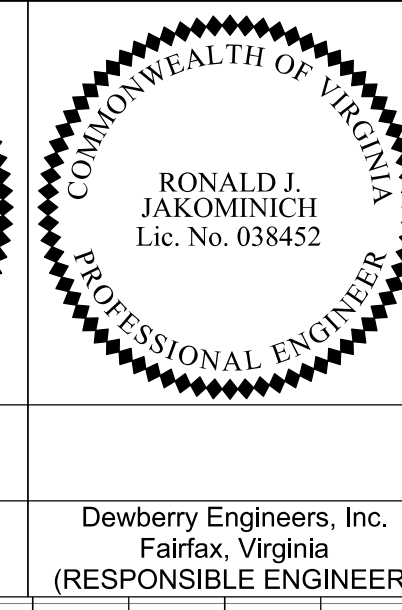
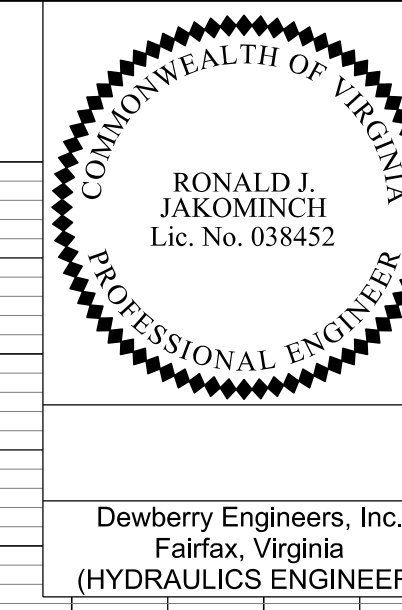
REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Roadway Plan Sheet 6

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 6(1) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

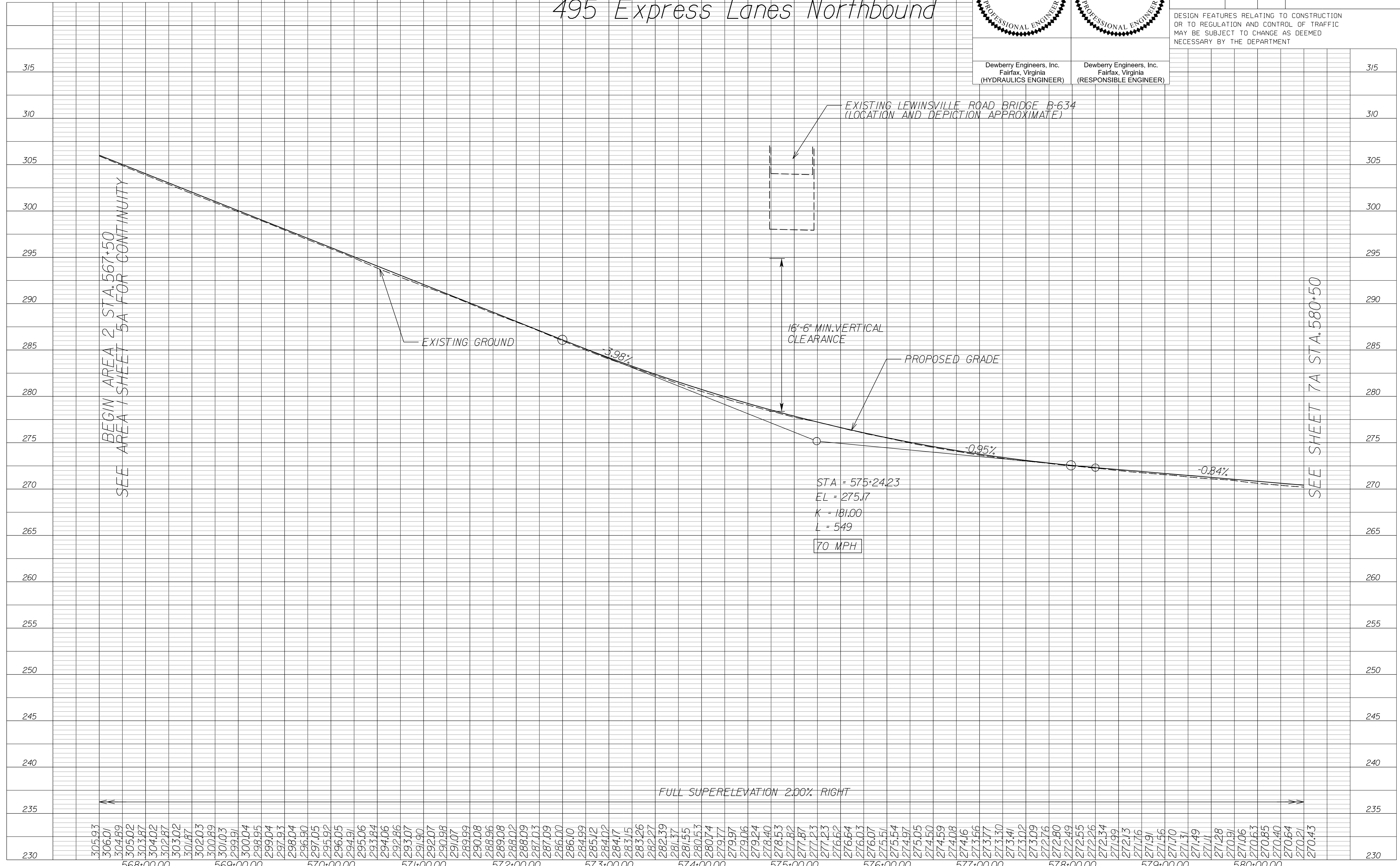
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	6A AREA 2

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

495 Express Lanes Northbound



BEGIN AREA 2 STA. 567+50
SEE AREA 1 SHEET 5A FOR CONTINUITY

SEE SHEET 7A STA. 580+50

FULL SUPERELEVATION 2.00% RIGHT

NOVA DISTRICT

12/16/2022

SCALE: HORIZ: 1"=50' VERT: 1"=5'
 VDOT PROJECT NO. 0495-029-419
 SHEET NO. 6A AREA 2

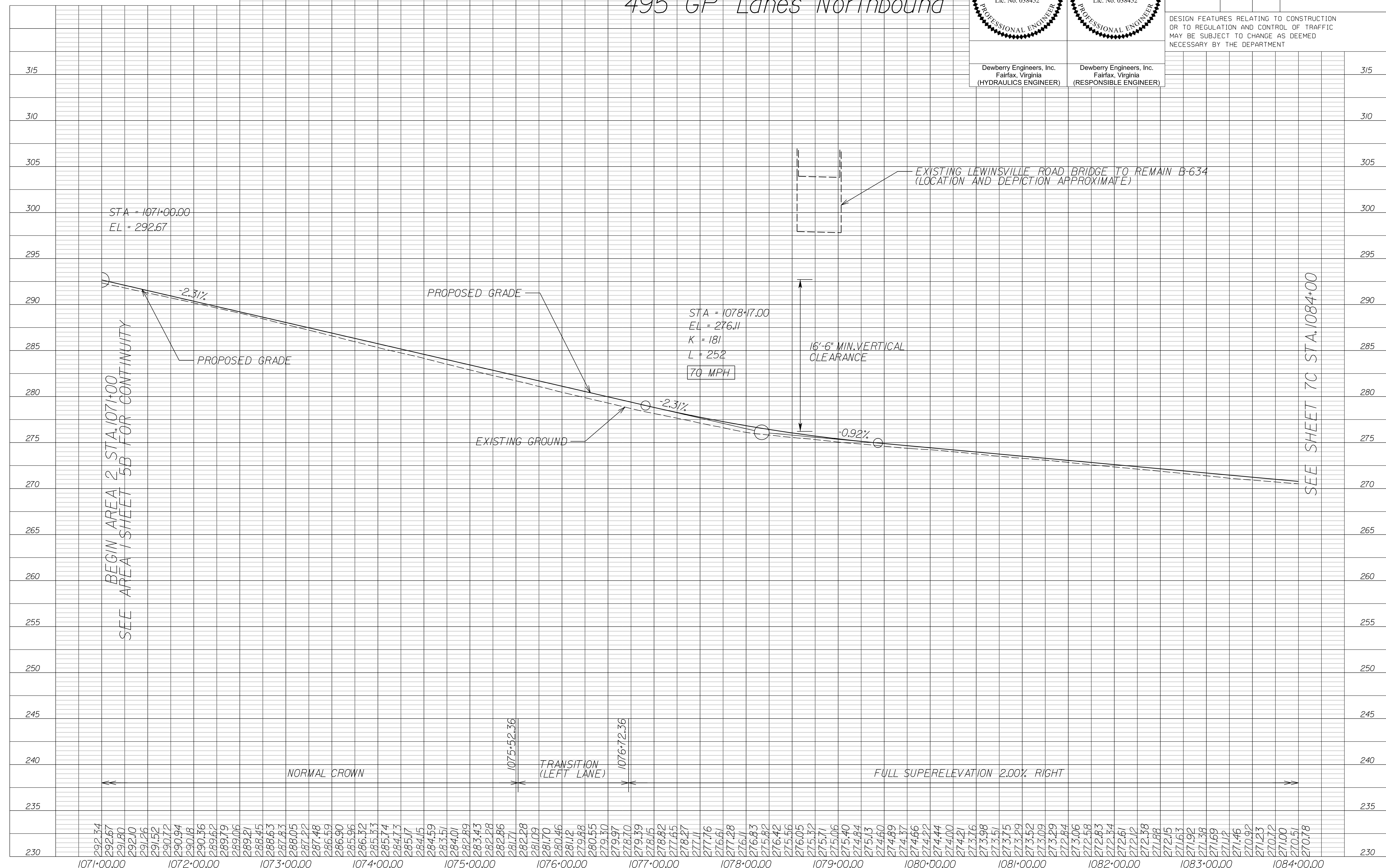
APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
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 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	6B AREA 2

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

495 GP Lanes Northbound



292.34	292.67	291.80	292.10	291.26	290.72	290.94	290.18	289.36	289.62	289.79	289.06	289.21	288.45	288.63	287.83	288.05	287.22	287.48	286.59	286.90	285.96	286.32	285.33	285.74	284.73	285.17	284.15	284.59	283.51	284.01	282.89	283.43	282.28	282.86	281.71	282.28	281.09	281.70	280.46	281.12	279.88	280.55	279.30	279.97	278.70	279.39	278.15	278.82	277.65	278.27	277.11	277.76	276.61	277.28	276.11	276.83	275.82	276.42	275.56	276.05	275.32	275.71	275.06	275.40	274.84	275.13	274.60	274.89	274.37	274.66	274.22	274.44	274.00	274.21	273.16	273.98	273.51	273.75	273.29	273.52	273.09	273.29	272.84	273.06	272.58	272.83	272.34	272.61	272.12	272.38	271.88	272.15	271.63	271.92	271.38	271.69	271.12	271.46	270.92	271.23	270.72	271.00	270.51	270.78
1071+00.00	1072+00.00	1073+00.00	1074+00.00	1075+00.00	1076+00.00	1077+00.00	1078+00.00	1079+00.00	1080+00.00	1081+00.00	1082+00.00	1083+00.00	1084+00.00																																																																																											

SCALE: HORIZ: 1"=50'
 VERT: 1"=5'

VDOT PROJECT NO. 0495-029-419

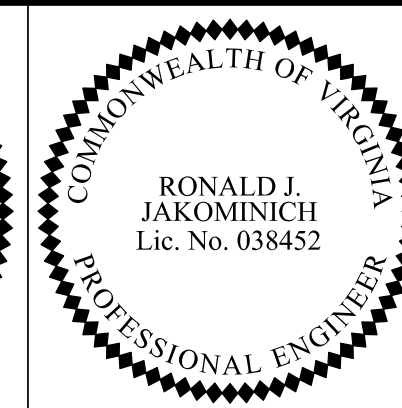
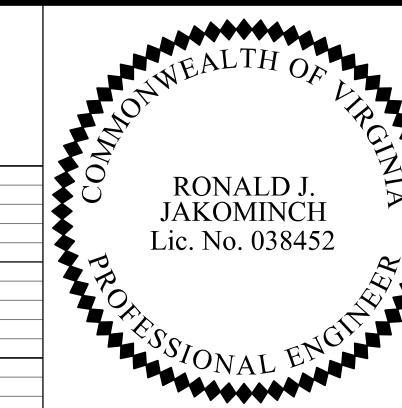
SHEET NO. 6B AREA 2

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

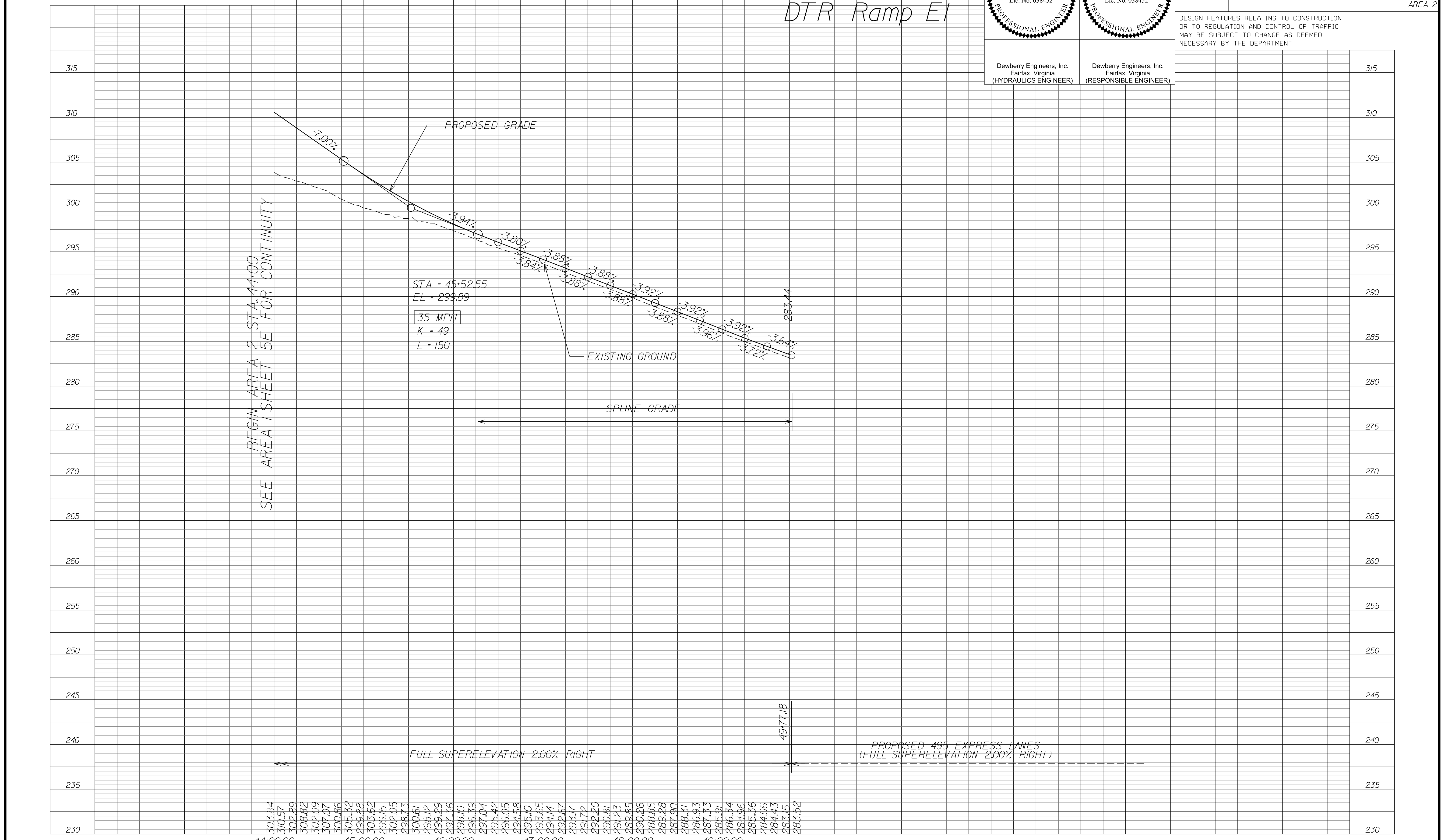


Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	6C AREA 2

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



NOVA DISTRICT

12/16/2022

SCALE	HORIZ: 1"=50'	VERT: 1"=5'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 6C AREA 2
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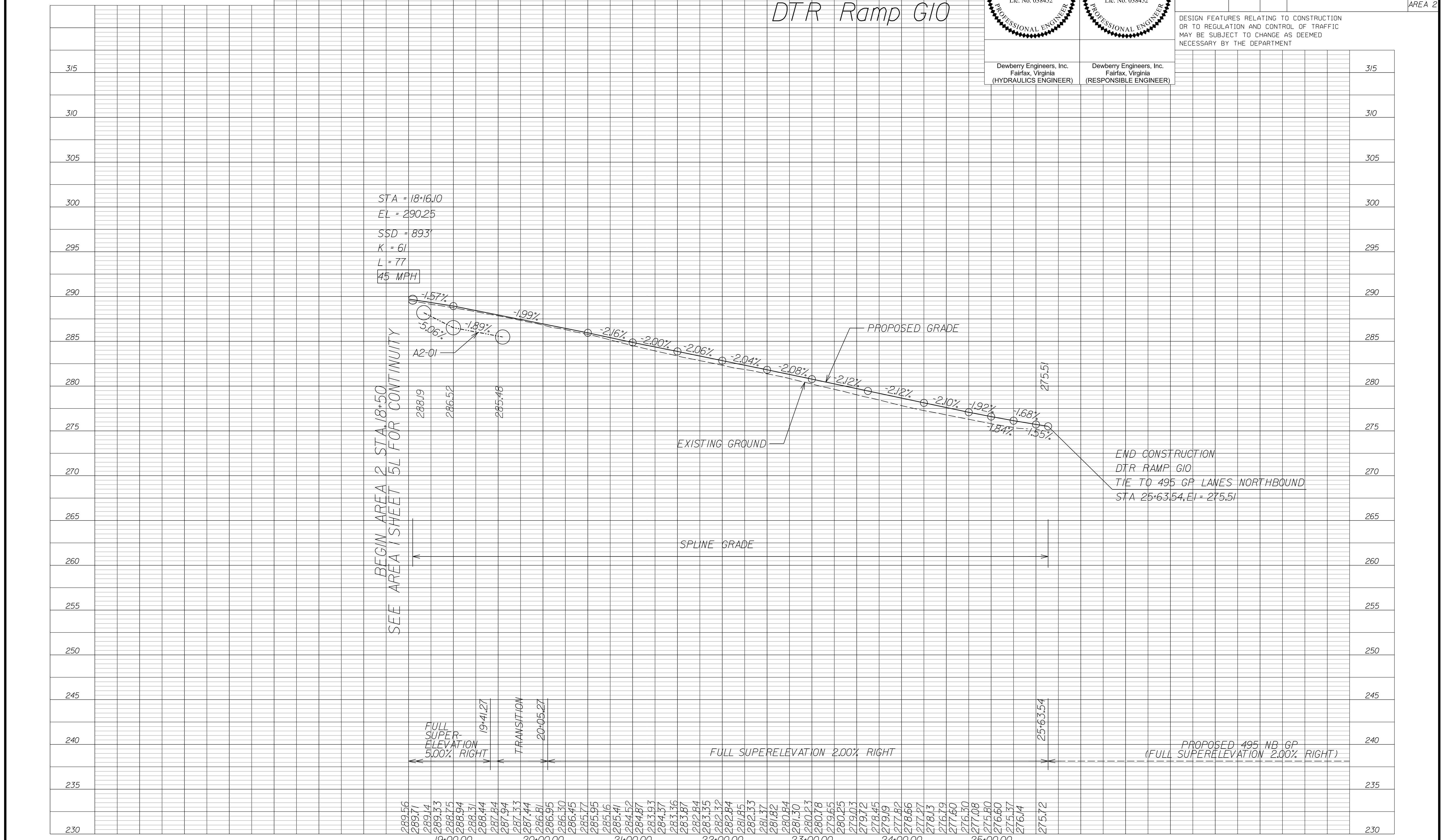
APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

 RONALD J. JAKOMINICH Lic. No. 038452 COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER	 RONALD J. JAKOMINICH Lic. No. 038452 COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	6D AREA 2

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



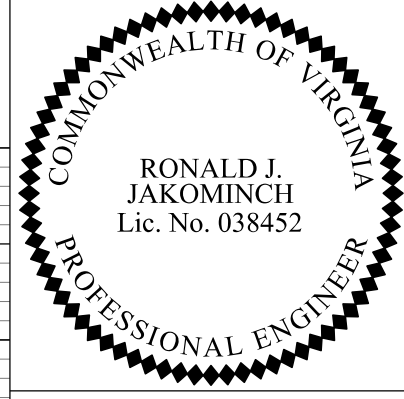
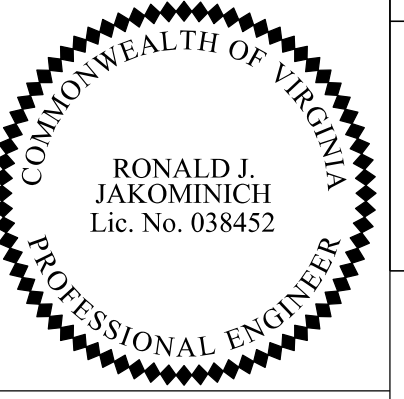
NOVA DISTRICT

12/16/2022

SCALE HORIZ: 1"=50' VERT: 1"=5'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 6D AREA 2
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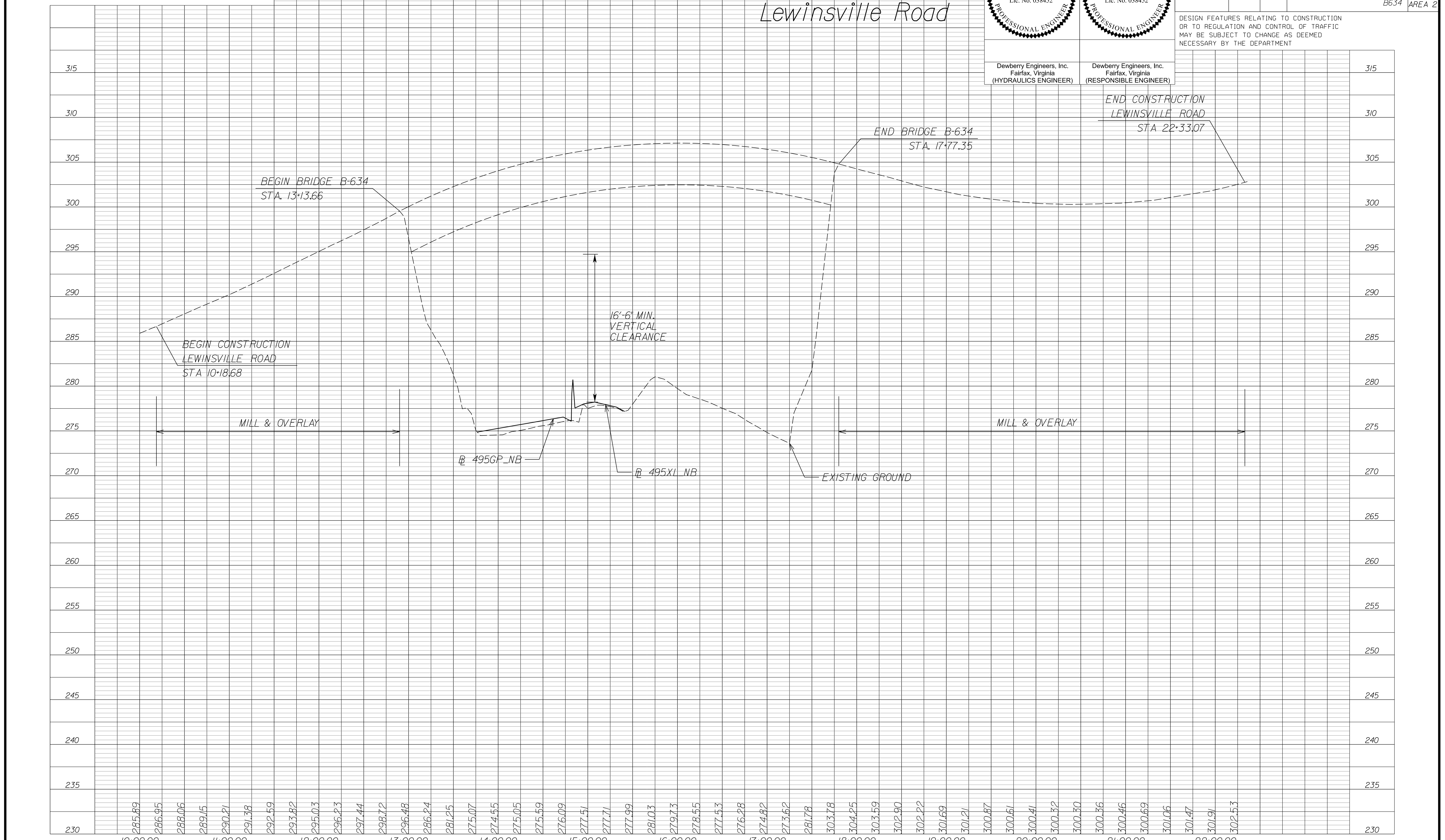
APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

 RONALD J. JAKOMINICH Lic. No. 038452 COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER	 RONALD J. JAKOMINICH Lic. No. 038452 COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201 B634	6E AREA 2

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



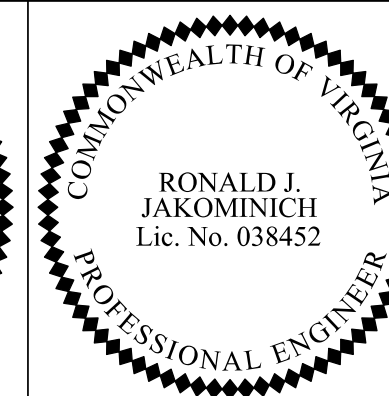
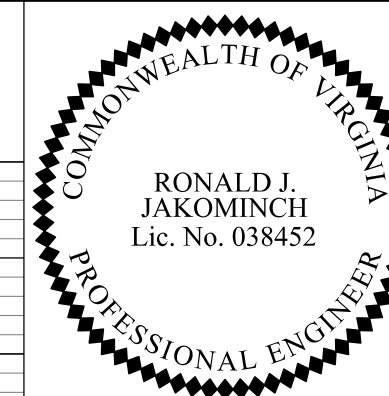
NOVA DISTRICT

12/16/2022

SCALE: HORIZ: 1"=50' VERT: 1"=5'
 VDOT PROJECT NO. 0495-029-419
 SHEET NO. 6E AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



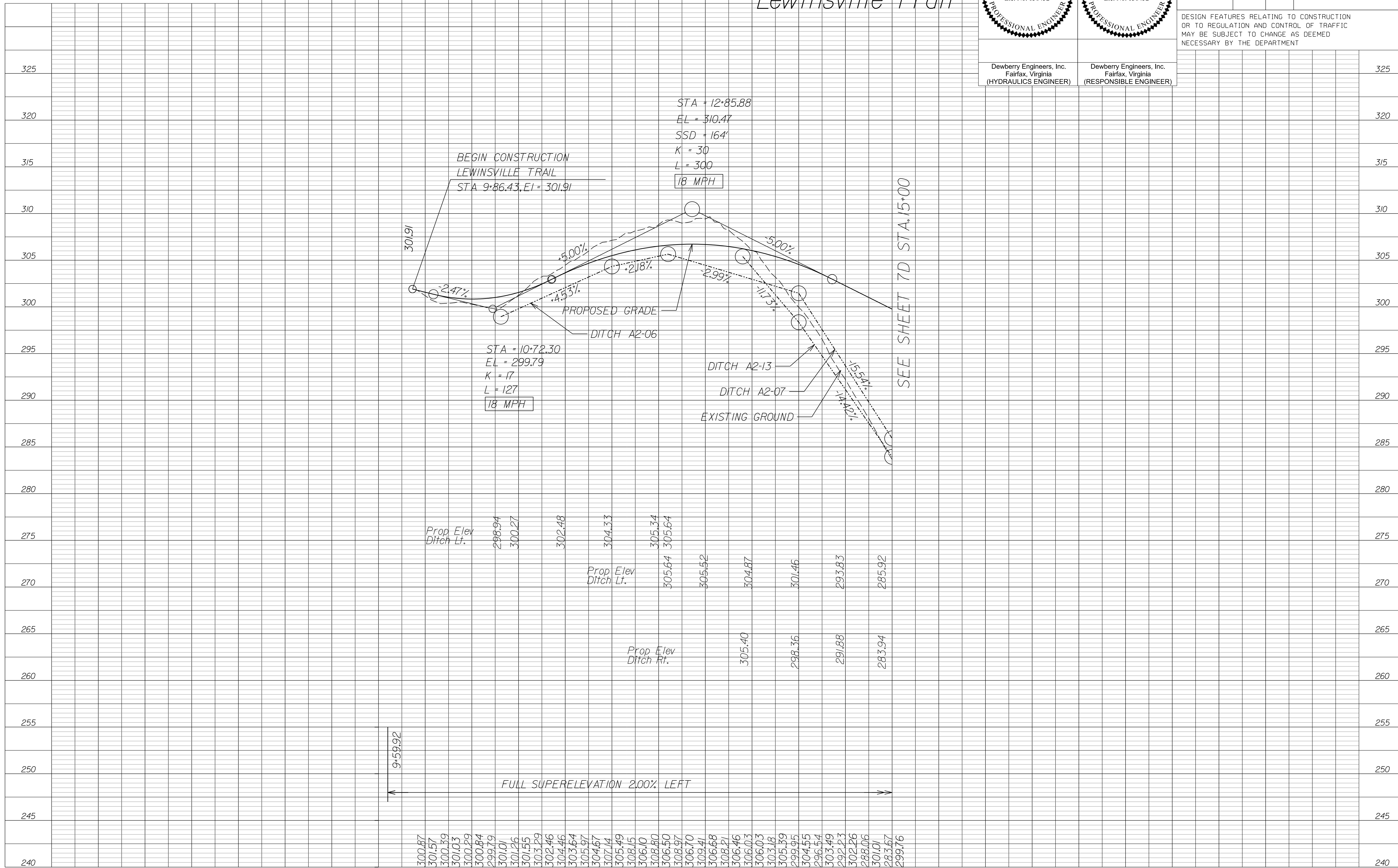
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	6F AREA 2

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

Lewinsville Trail



NOVA DISTRICT

12/16/2022

SCALE HORIZ: 1"=50'
 0 20' 50'

VDOT PROJECT NO.
 0495-029-419

SHEET NO.
 6F
 AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougaull's L.S. (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Roadway Plan

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

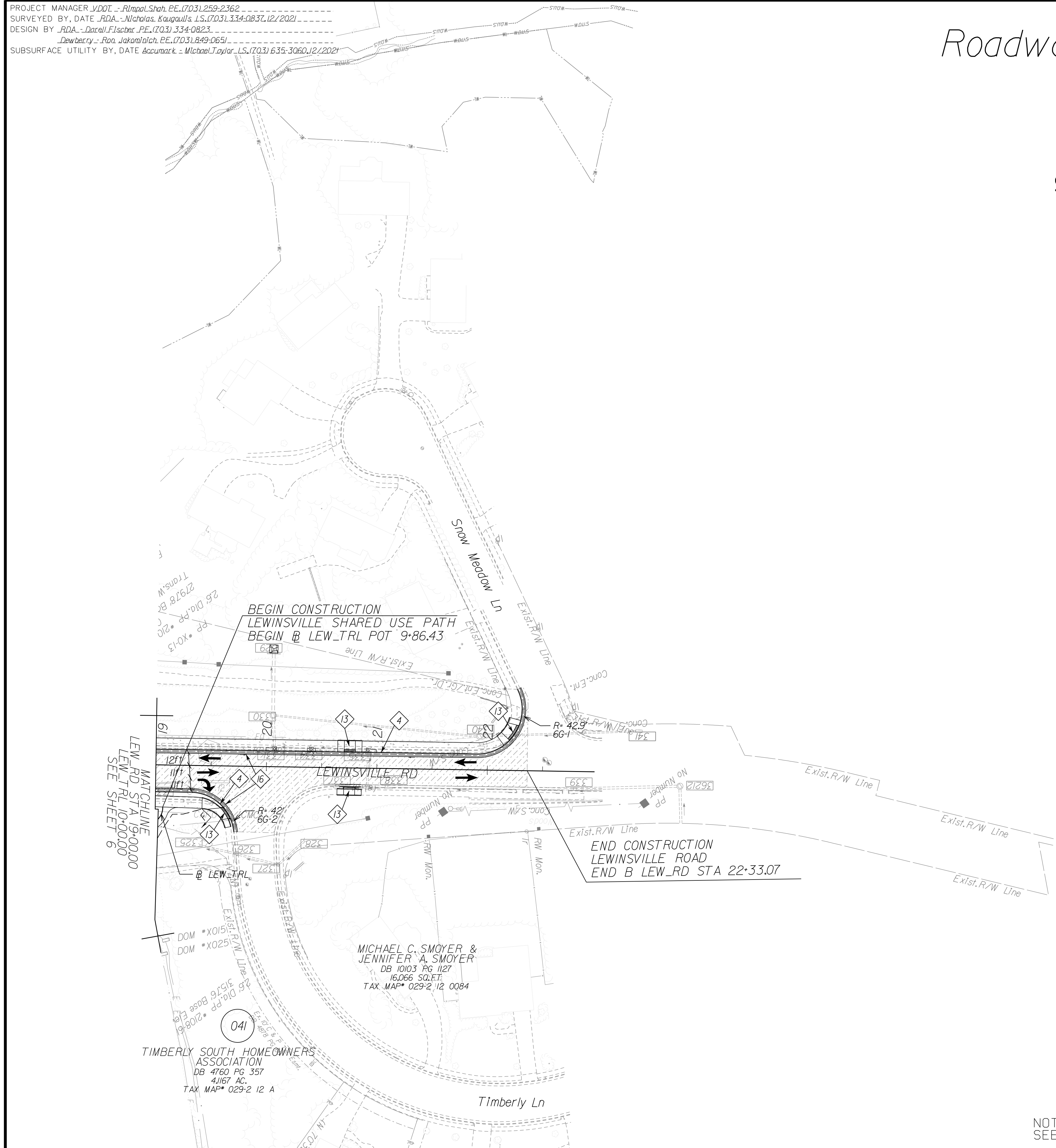
COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	66 AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

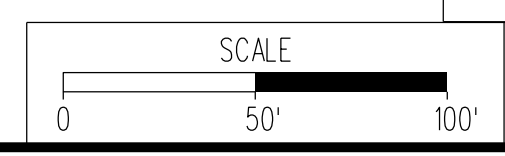
Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)



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

Survey Control Data Sheet	1F thru 1F(4)
Existing Drainage Descriptions	1F(5) thru 1F(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls Ph1 & Ph2	1V(6G), 1W(6G)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	66RW
Alignment Data Sheet	66(1)
Profile Lewinsville Road	6E

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



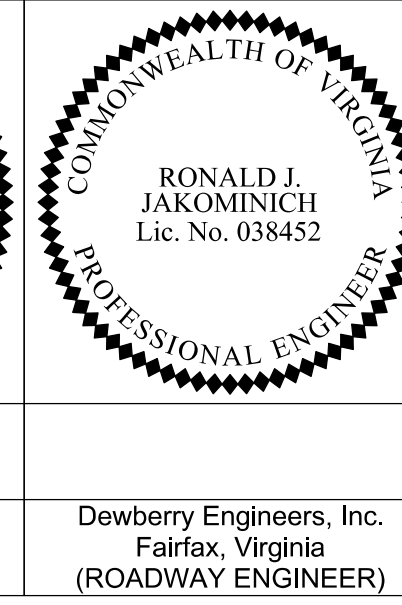
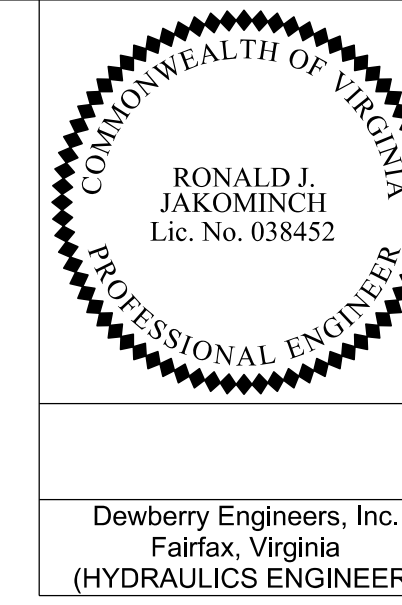
VDOT PROJECT NO. 0495-029-419	SHEET NO. 66 AREA 2
----------------------------------	---------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, L.S. (703) 635-3060, 12/2021
Dewberry - Ron Jakominich, P.E. (703) 849-0651

Drainage Plan

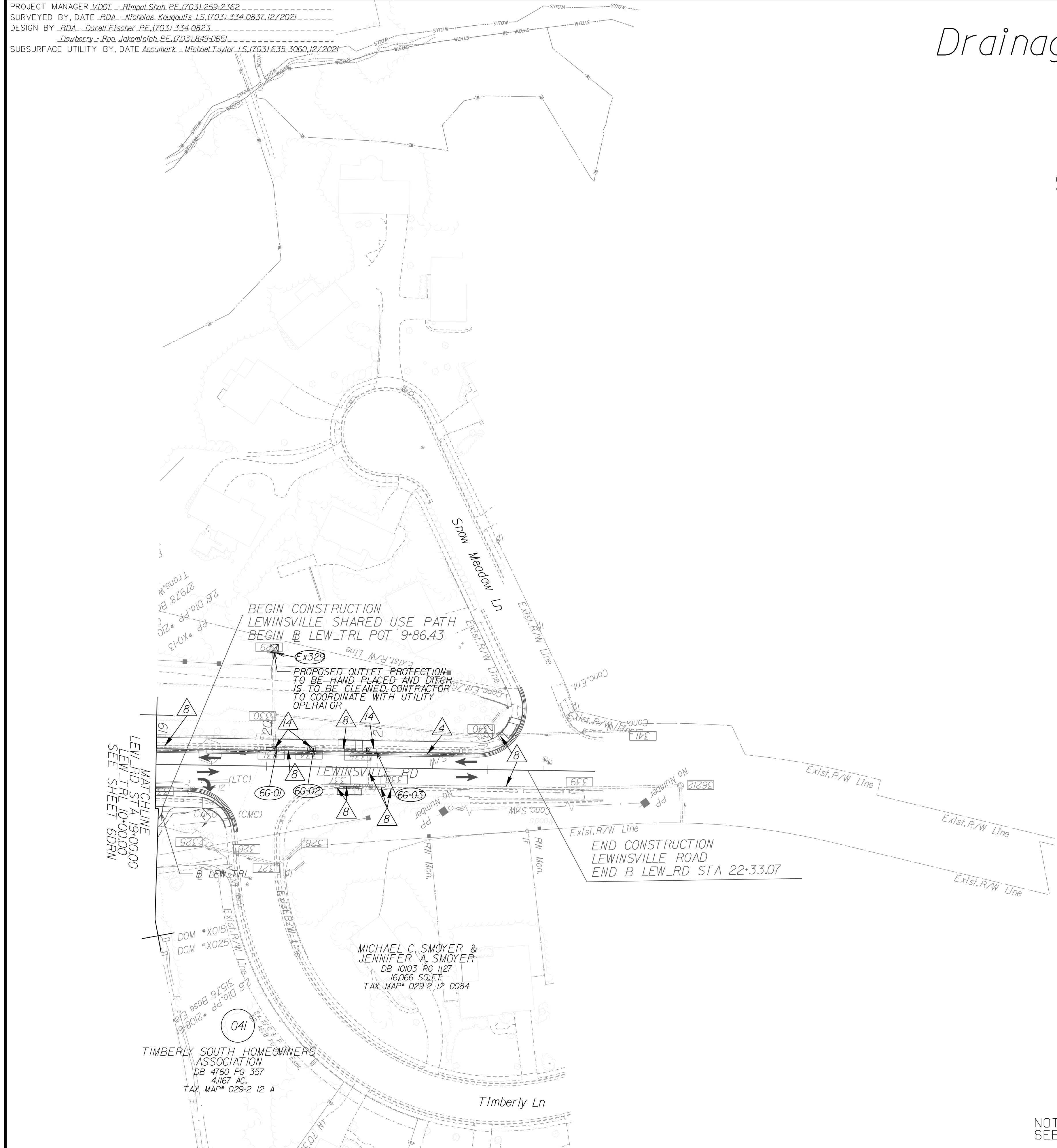


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	66DRW AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

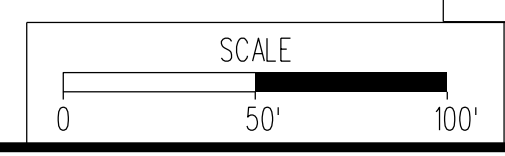
Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)



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

Survey Control Data Sheet	1F thru 1F(4)
Existing Drainage Descriptions	1F(5) thru 1F(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls Ph1 & Ph2	1V(6G), 1W(6G)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	6G
Right of Way Plan Sheet	6GRW
Alignment Data Sheet	6G(1)
Profile Lewinsville Road	6E

NOTE: SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



VDOT PROJECT NO. 0495-029-419	SHEET NO. 66DRW AREA 2
----------------------------------	------------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoulis, L.S. (703) 334-0837, 1/2019
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Newberry - Ron Jakomilich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

(RW001) Revised parcel 041. See Sheet ID for details.

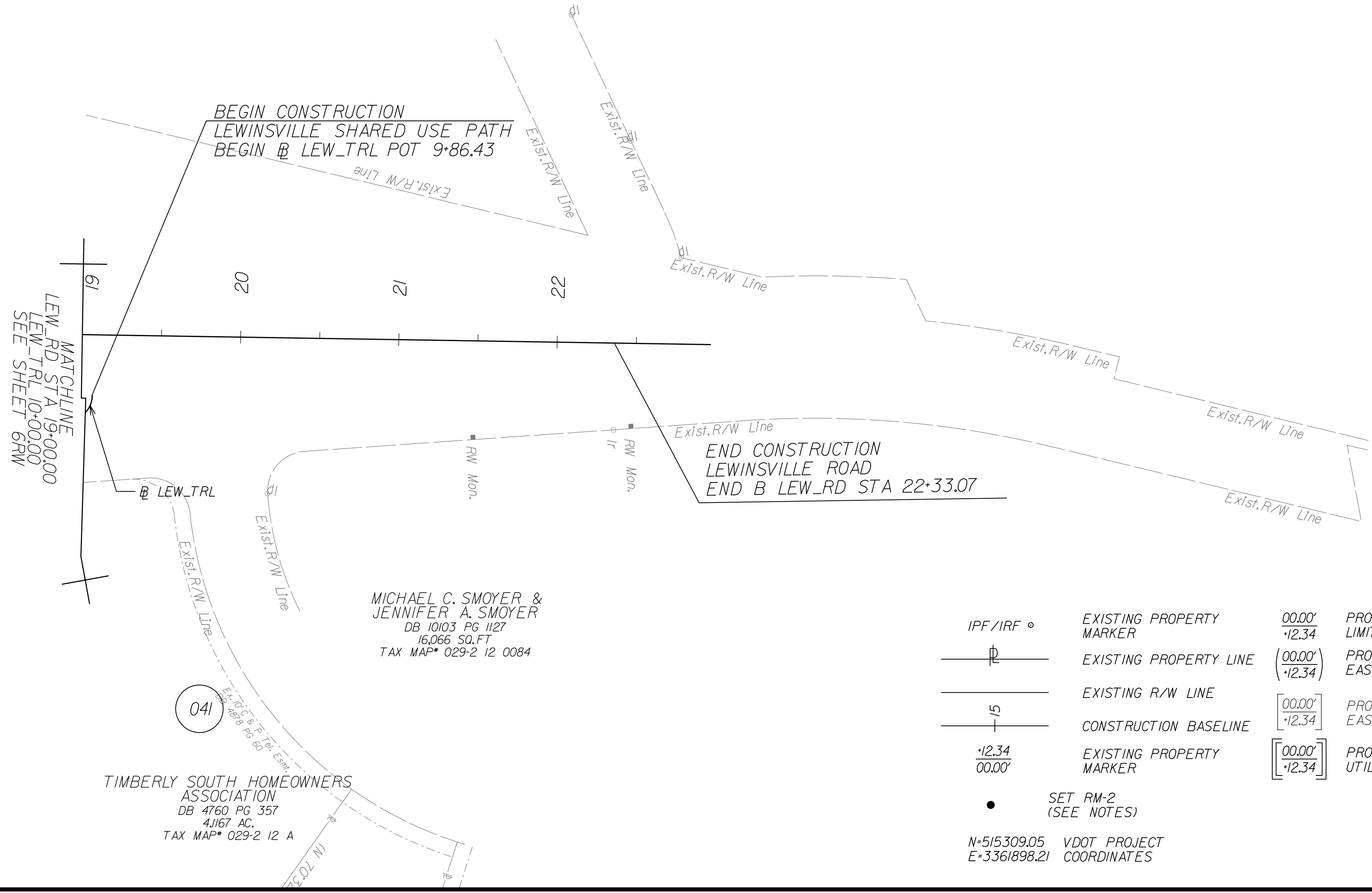
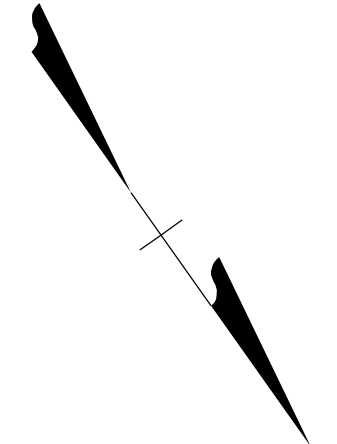
COMMONWEALTH OF VIRGINIA
NICHOLAS KOUGOULIS
Lic. No. 3046
LAND SURVEYOR

Rinker Design Assoc., P.C.
Glen Allen, Virginia
(LAND SURVEYOR)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
RW001	VA	495		0495-029-419 C501 RW201	6GRW AREA 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 ASSIGNED PARCEL NO.	APPROXIMATE AREAS									
	TOTAL ACRES	PROP. R/W SQ. FT.	FEE REMAINDER ACRES	AREA						
				VDOT UTILITY SQ. FT.	PERMANENT				TEMP. CONSTR.	
					DRAINAGE SQ. FT.	DRAIN SLOPE SQ. FT.	DRAIN WALL SQ. FT.	SLOPE SQ. FT.	SLOPES SQ. FT.	ENTRANCES & PARKING LOTS SQ. FT.
041	4.117	16,682	3.734	-	-	19,828	-	-	-	-



- GENERAL NOTES:
1. SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
 2. ALL AREAS SHOWN ARE APPROXIMATE ONLY.
 3. THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
 4. NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
 5. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
 6. NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
 7. THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
 8. MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

LEGEND

IPF / IRF	EXISTING PROPERTY MARKER	00.00' / 12.34'	PROPOSED RIGHT-OF-WAY / LIMITED ACCESS	--- DENOTES PROP. TEMP. CONSTR. EASE. FOR SLOPES	--- DENOTES PROP. PERM. DRAINAGE WALL EASE.
---	EXISTING PROPERTY LINE	(00.00' / 12.34')	PROPOSED TEMPORARY EASEMENT	--- DENOTES PROP. TEMP. CONSTR. EASE. FOR ENTRANCES & PARKING LOTS	--- DENOTES PROP. PERM. SLOPE EASE.
---	EXISTING R/W LINE	[00.00' / 12.34']	PROPOSED PERMANENT EASEMENT	--- DENOTES PROP. PERM. DRAINAGE EASE.	--- DENOTES PROP. VDOT UTILITY EASE.
---	CONSTRUCTION BASELINE	[00.00' / 12.34']	PROPOSED PERMANENT UTILITY EASEMENT	--- DENOTES PROP. PERM. DRAINAGE SLOPE EASE.	
●	EXISTING PROPERTY MARKER				
●	SET RM-2 (SEE NOTES)				

SCALE 0 50' 100'

VDOT PROJECT NO. 0495-029-419

SHEET NO. 6GRW AREA 2

APP. FOR ROW

NOVA DISTRICT

PROJECT MANAGER_VDOT - RitaPal-Straub, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS (703) 635-3060, 12/2021

Alignment Data

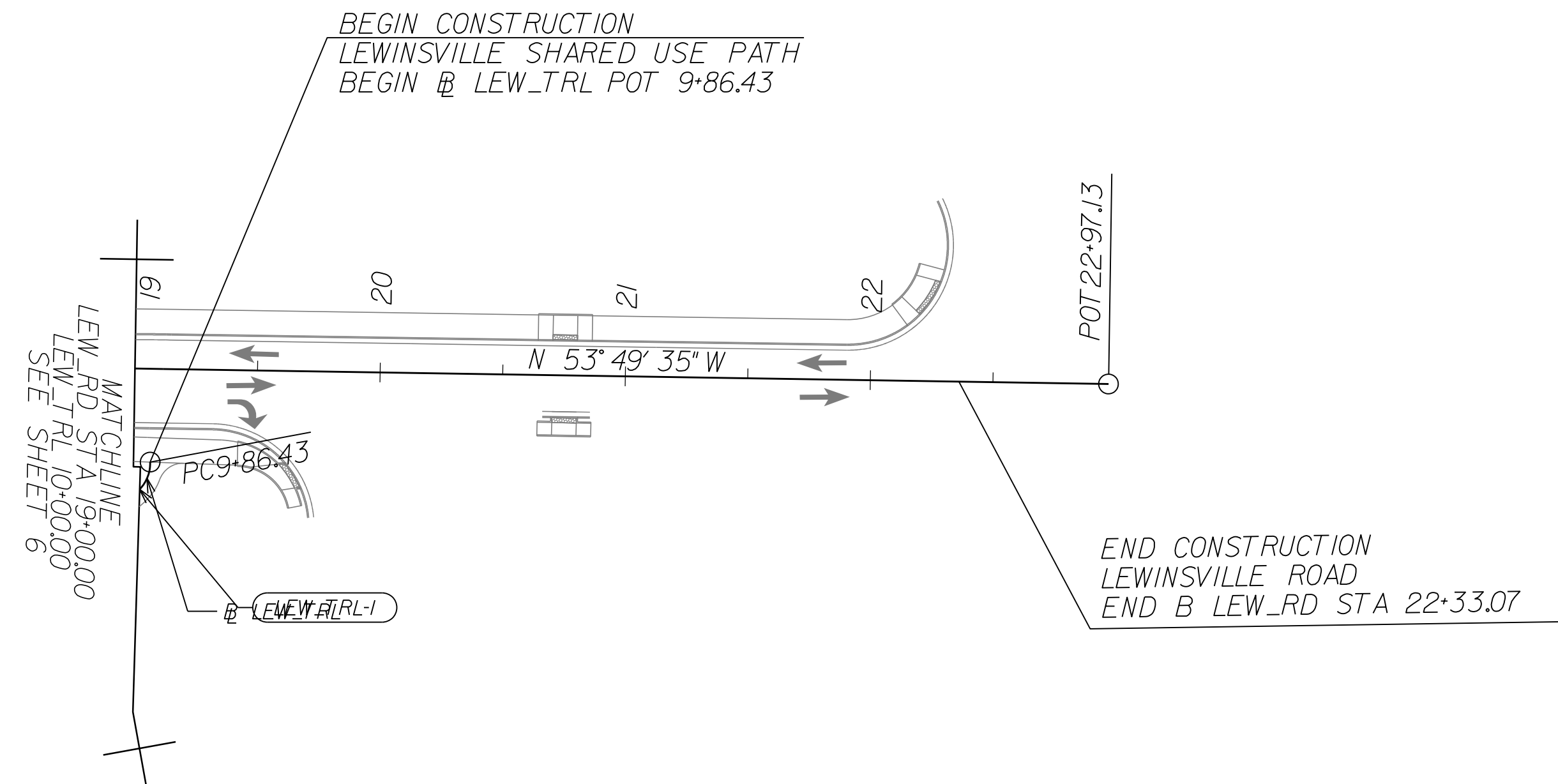
RONALD J. JAKOMINICH
 Lic. No. 038452
 COMMONWEALTH OF VIRGINIA
 PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	66(1) AREA 2

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

Curve LEW_TRL1
 PI = 10+02.49
 DELTA = 93° 54' 55.95" (RT)
 D = 381' 58" 19"
 T = 16.06'
 L = 24.59'
 R = 15.00'
 PC = 9+86.43
 PT = 10+11.02
 e = 2.00% (RC)
 Lr = N/A

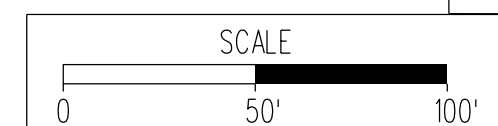


NOVA DISTRICT

12/16/2022

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

Roadway Plan Sheet 66



VDOT PROJECT NO.
0495-029-419

SHEET NO.
66(1)
AREA 2

APPROVED FOR CONSTRUCTION

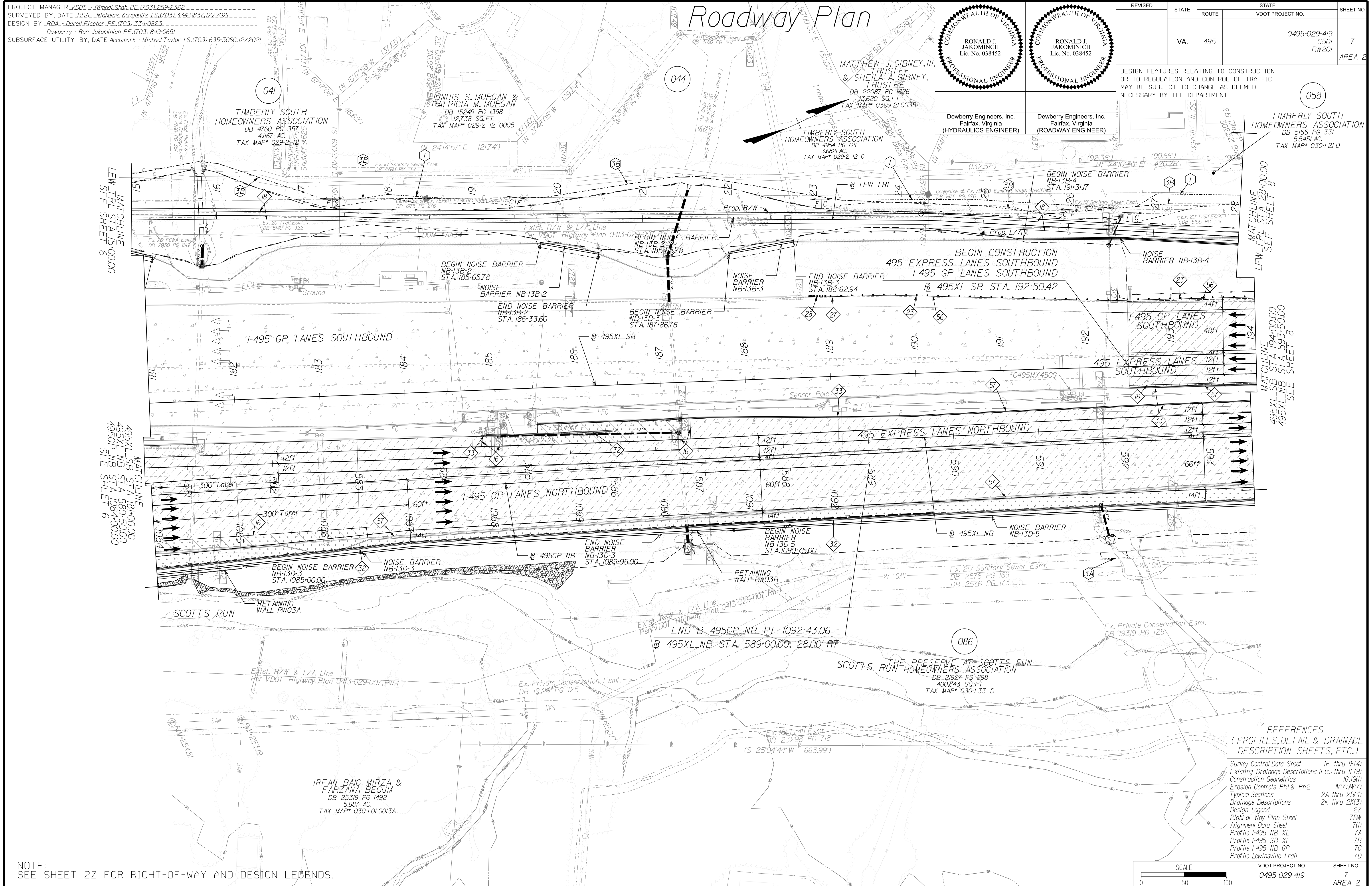
PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 12/2/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2/2021

Roadway Plan

Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	7 AREA 2

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



MATCHLINE
LEW_TRL STA. 15+00.00
SEE SHEET 6

MATCHLINE
495XL_SB STA. 181+00.00
495XL_NB STA. 580+50.00
495GP_NB STA. 1084+00.00
SEE SHEET 6

MATCHLINE
LEW_TRL STA. 28+00.00
SEE SHEET 8

MATCHLINE
495XL_SB STA. 194+00.00
495XL_NB STA. 593+50.00
SEE SHEET 8

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls: Ph1 & Ph2	N(7), N(7)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	7RW
Alignment Data Sheet	7(1)
Profile 1-495 NB XL	7A
Profile 1-495 SB XL	7B
Profile 1-495 NB GP	7C
Profile Lewinsville Trail	7D

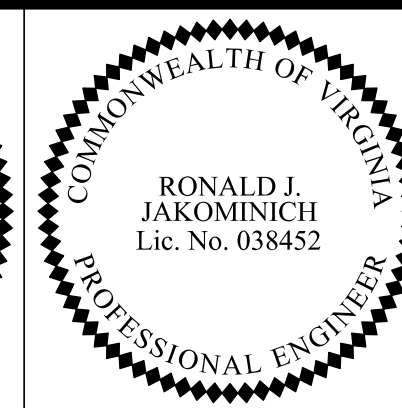
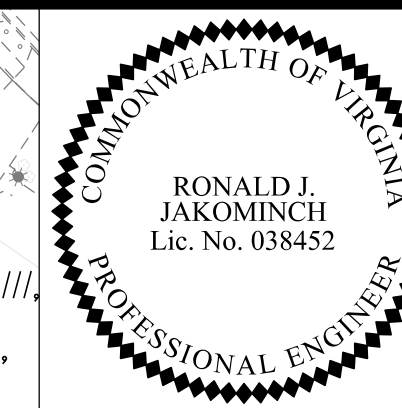
NOTE:
SEE SHEET 22 FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	7 AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

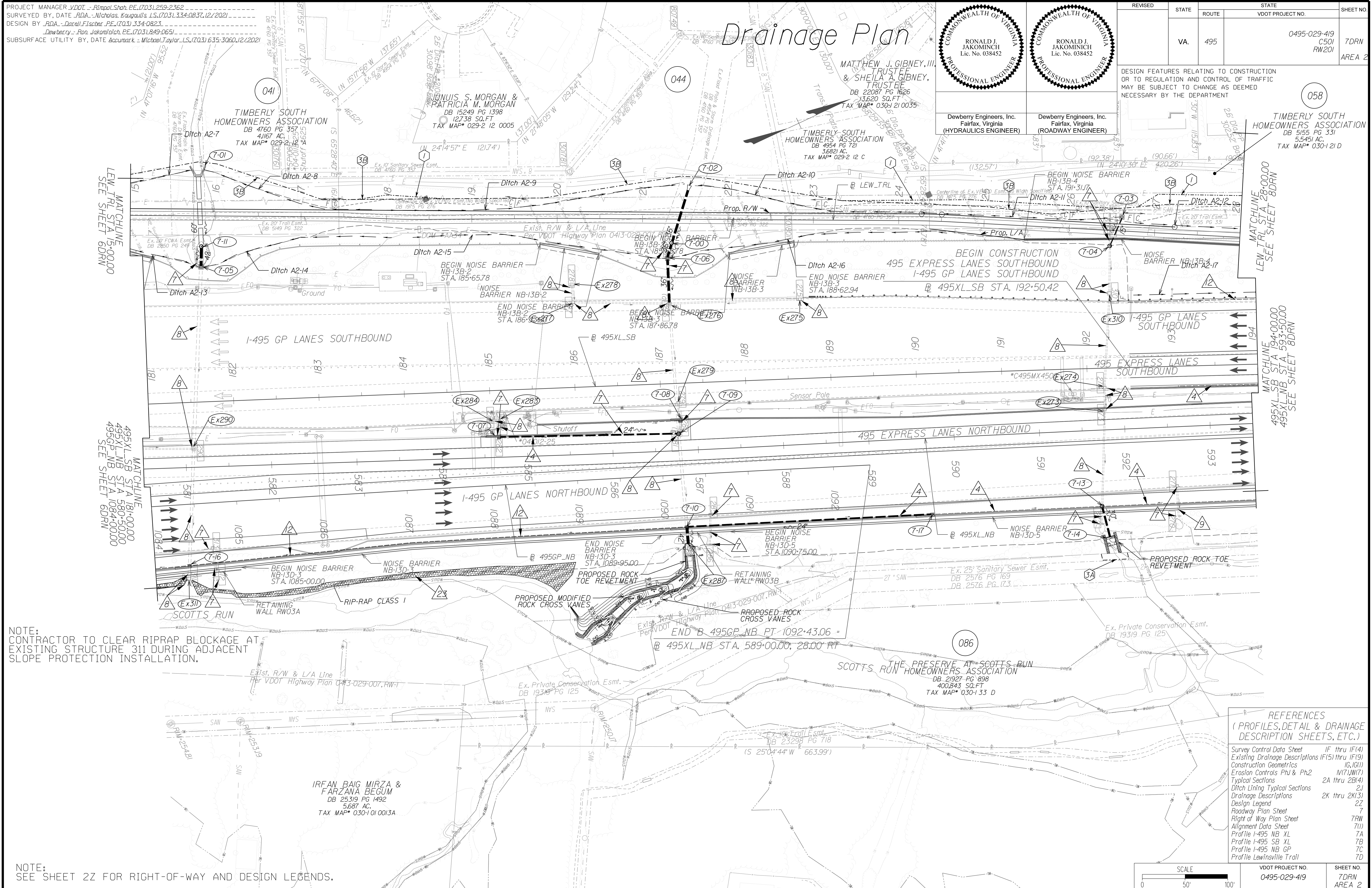
PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 12/2/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2/2021



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	7DRN AREA 2

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

Drainage Plan



NOTE: CONTRACTOR TO CLEAR RIPRAP BLOCKAGE AT EXISTING STRUCTURE 311 DURING ADJACENT SLOPE PROTECTION INSTALLATION.

NOTE: SEE SHEET 22 FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

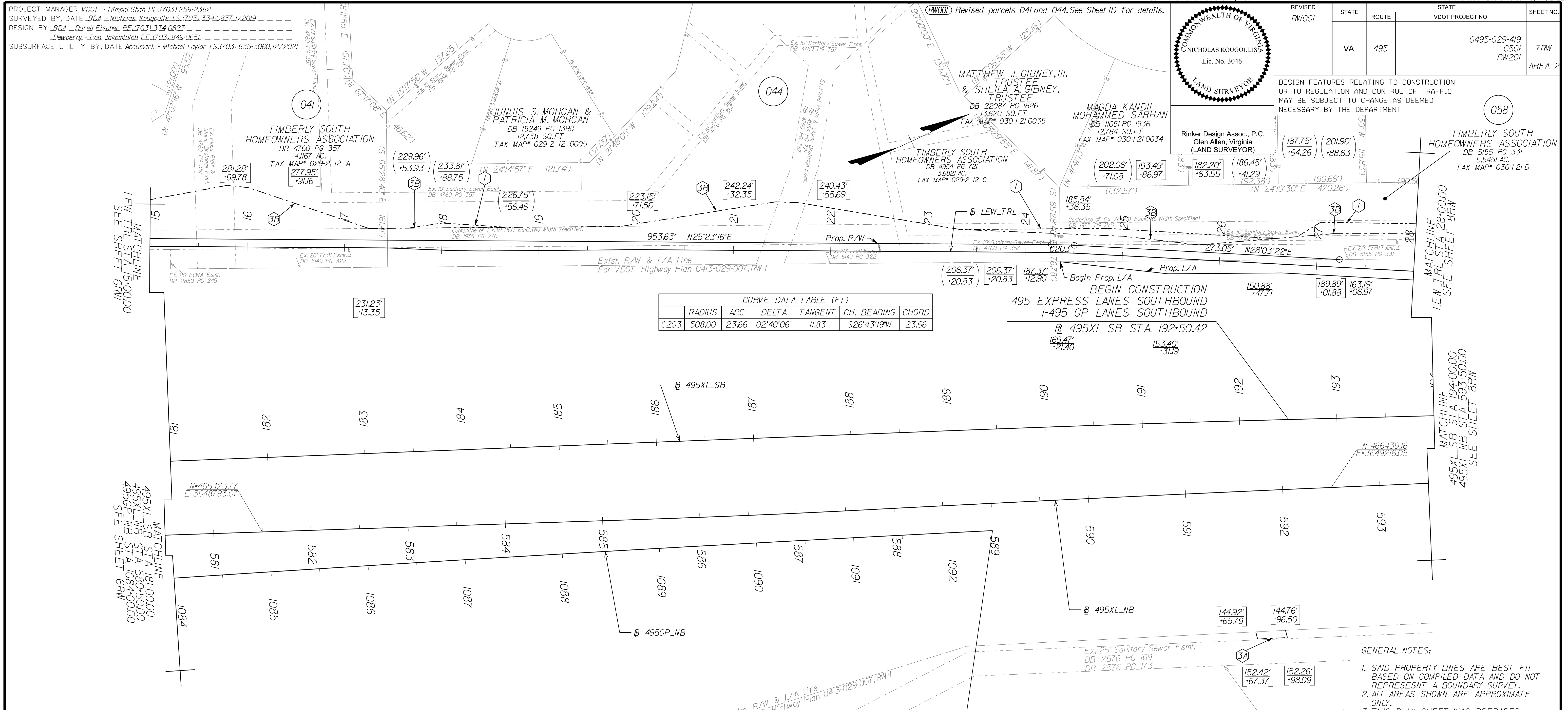
REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls Ph1 & Ph2	N(7), N(7)
Typical Sections	2A thru 2B(4)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	7
Right of Way Plan Sheet	7RW
Alignment Data Sheet	7(1)
Profile I-495 NB XL	7A
Profile I-495 SB XL	7B
Profile I-495 NB GP	7C
Profile Lewinsville Trail	7D

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	7DRN AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT



	RADIUS	ARC	DELTA	TANGENT	CH. BEARING	CHORD
C203	508.00	23.66	02°40'06"	11.83	S26°43'19"W	23.66

PROJECT ASSIGNED PARCEL NO.	APPROXIMATE AREAS			EASEMENT							
	TOTAL ACRES	PROP. R/W SQ.FT.	FEE REMAINDER ACRES	VDOT UTILITY SQ.FT.	PERMANENT				TEMP. CONSTR.		
					DRAINAGE SQ.FT.	DRAIN.SLOPE SQ.FT.	DRAIN.WALL SQ.FT.	SLOPE SQ.FT.	SLOPES SQ.FT.	ENTRANCES & PARKING LOTS SQ.FT.	
041	4.17	16,682	3.74	-	-	19,828	-	-	-	-	-
044	3.682	15,671	3.322	-	-	14,973	-	-	508	-	-
058	5.545	2,535	5.487	-	-	24,026	-	-	9,147	-	-
086	9.202	-	9.202	-	11,845	-	-	-	-	-	-

Curve 495GP_NB-5 PI = 1087+57.83 DELTA = 1° 2' 58.93" (RT) D = 0' 06" 29" T = 485.26' L = 970.49' R = 52,972.00' PRC = 1082+72.58 PT = 1092+43.06 DESIGN SPEED = 60 MPH e = 2.00% (INC) Lr = N/A	Curve 495XL_NB-5 PI = 586+54.65 DELTA = 1° 06' 52.92" (LT) D = 0' 28' 37" T = 116.85' L = 233.70' R = 12,012.00' PRC = 585+37.80 PT = 587+71.49 DESIGN SPEED = 70 MPH e = 2.00% (RC) Lr = 90'	Curve 495XL_NB-6 PI = 598+40.82 DELTA = 0° 17' 42.03" (RT) D = 0' 06' 29" T = 1069.32' L = 2138.36' R = 53,000.00' PRC = 587+71.49 PT = 609+09.85 DESIGN SPEED = 70 MPH e = NC Lr = N/A	Curve 495XL_SB-5 PI = 190+89.27 DELTA = 0° 44' 51.98" (RT) D = 0' 12' 17" T = 182.72' L = 365.43' R = 28,000.00' PRC = 189+06.55 PT = 192+71.98 DESIGN SPEED = 70 MPH e = NC Lr = N/A	Curve 495XL_SB-6 PI = 200+56.11 DELTA = 0° 17' 58.26" (RT) D = 0' 01' 08.75" T = 784.13' L = 1,568.26' R = 300,000.00' PRC = 192+71.98 PT = 208+40.24 DESIGN SPEED = 70 MPH e = NC Lr = N/A
---	--	--	--	--

- GENERAL NOTES:**
1. SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
 2. ALL AREAS SHOWN ARE APPROXIMATE ONLY.
 3. THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
 4. NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
 5. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
 6. NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
 7. THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
 8. MONUMENTATION TO BE SET UP ON COMPLETION OF CONSTRUCTION.

LEGEND

EXISTING PROPERTY MARKER	00.00' ±12.34	PROPOSED RIGHT-OF-WAY / LIMITED ACCESS	--- DENOTES PROP. TEMP. CONSTR. EASE. FOR SLOPES
EXISTING PROPERTY LINE	(00.00' ±12.34)	PROPOSED TEMPORARY EASEMENT	--- DENOTES PROP. TEMP. CONSTR. EASE. FOR ENTRANCES & PARKING LOTS
EXISTING R/W LINE	(00.00' ±12.34)	PROPOSED PERMANENT EASEMENT	--- DENOTES PROP. PERM. DRAINAGE EASE.
CONSTRUCTION BASELINE	(00.00' ±12.34)	PROPOSED PERMANENT UTILITY EASEMENT	--- DENOTES PROP. PERM. DRAINAGE SLOPE EASE.
EXISTING PROPERTY MARKER	(00.00' ±12.34)	VDOT PROJECT COORDINATES	--- DENOTES PROP. VDOT UTILITY EASE.
SET RM-2 (SEE NOTES)			

SCALE: 0 50' 100'

VDOT PROJECT NO. 0495-029-419 SHEET NO. 7RW AREA 2

NOVA DISTRICT

9/2/2022

APP. FOR ROW

PROJECT MANAGER_VDOT - RitaPal-Straub, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomilich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

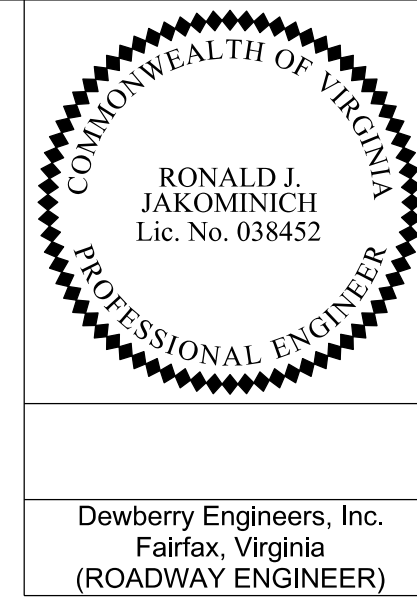
Curve LEW_TRL5
 PI = 17+44.89
 DELTA = 1° 57' 27.85" (RT)
 D = 11' 27' 33"
 T = 8.54'
 L = 17.08'
 R = 500.00'
 PC = 17+36.35
 PT = 17+53.43
 DESIGN SPEED = 18 MPH
 e = 2.00% (RC)
 Lr = N/A

Curve LEW_TRL6
 PI = 18+24.77
 DELTA = 2° 49' 55.58" (LT)
 D = 5' 43' 46"
 T = 24.72'
 L = 49.43'
 R = 1,000.00'
 PC = 18+00.05
 PT = 18+49.48
 DESIGN SPEED = 18 MPH
 e = 2.00% (RC)
 Lr = N/A

Curve LEW_TRL7
 PI = 20+03.58
 DELTA = 0° 52' 27.74" (RT)
 D = 5' 43' 46"
 T = 7.63'
 L = 15.26'
 R = 1,000.00'
 PC = 19+95.95
 PT = 20+11.21
 DESIGN SPEED = 18 MPH
 e = 2.00% (RC)
 Lr = N/A

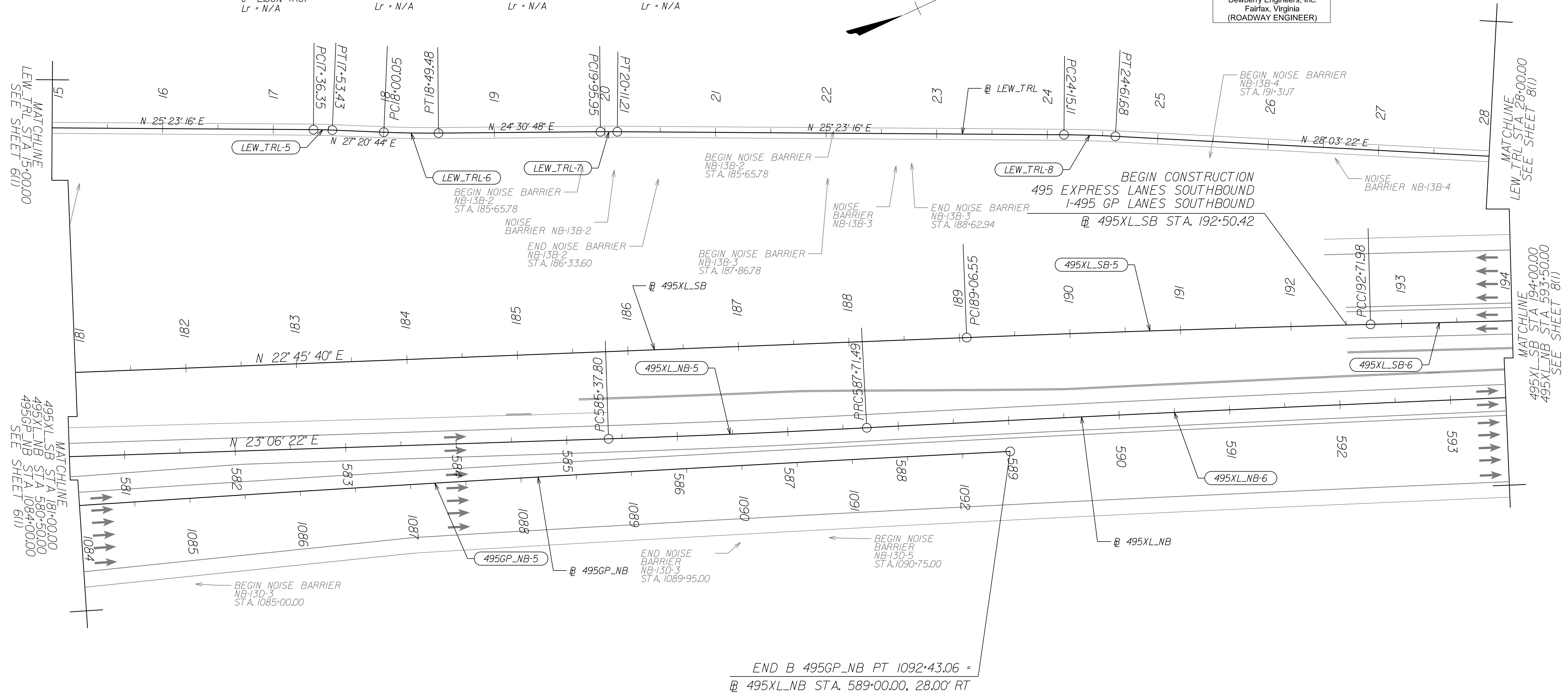
Curve LEW_TRL8
 PI = 24+38.40
 DELTA = 2° 40' 06.24" (RT)
 D = 5' 43' 46"
 T = 23.29'
 L = 46.57'
 R = 1,000.00'
 PC = 24+15.11
 PT = 24+61.68
 DESIGN SPEED = 18 MPH
 e = 2.00% (RC)
 Lr = N/A

Alignment Data



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	7(1) AREA 2

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



Curve 495GP_NB-5
 PI = 1087+57.33
 DELTA = 1° 2' 58.93" (RT)
 D = 0° 06' 29"
 T = 485.26'
 L = 970.49'
 R = 52,972.00'
 PRC = 1082+72.58
 PT = 1092+43.06
 DESIGN SPEED = 60 MPH
 e = 2.00% (NC)
 Lr = N/A

Curve 495XP_Lanes-5
 PI = 586+54.65
 DELTA = 1° 06' 52.92" (LT)
 D = 0° 28' 37"
 T = 116.95'
 L = 233.70'
 R = 12,012.00'
 PRC = 585+37.80
 PT = 587+71.49
 DESIGN SPEED = 70 MPH
 e = 2.00% (RC)
 Lr = 90'

Curve 495XP_Lanes-6
 PI = 598+40.82
 DELTA = 2° 18' 42.03" (RT)
 D = 0° 06' 29"
 T = 1069.32'
 L = 2138.36'
 R = 53,000.00'
 PRC = 587+71.49
 PT = 609+09.85
 DESIGN SPEED = 70 MPH
 e = NC
 Lr = N/A

Curve 495XP_Lanes-5
 PI = 190+89.27
 DELTA = 0° 44' 51.98" (RT)
 D = 0° 12' 17"
 T = 182.72'
 L = 365.43'
 R = 28,000.00'
 PRC = 189+06.55
 PT = 192+71.98
 DESIGN SPEED = 70 MPH
 e = NC
 Lr = N/A

Curve 495XP_Lanes-6
 PI = 200+56.11
 DELTA = 0° 17' 58.26" (RT)
 D = 0° 01' 08.75"
 T = 784.13'
 L = 1568.26'
 R = 300,000.00'
 FC = 192+71.98
 PT = 208+40.24
 DESIGN SPEED = 70 MPH
 e = NC
 Lr = N/A

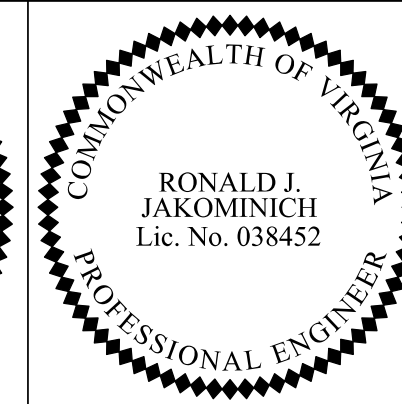
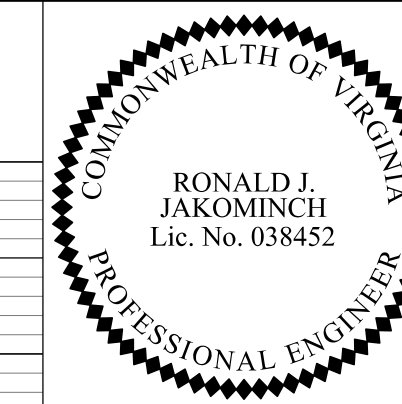
REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
 Roadway Plan Sheet 7

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 7(1) AREA 2
---------------------	----------------------------------	-----------------------------

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	7A AREA 2

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

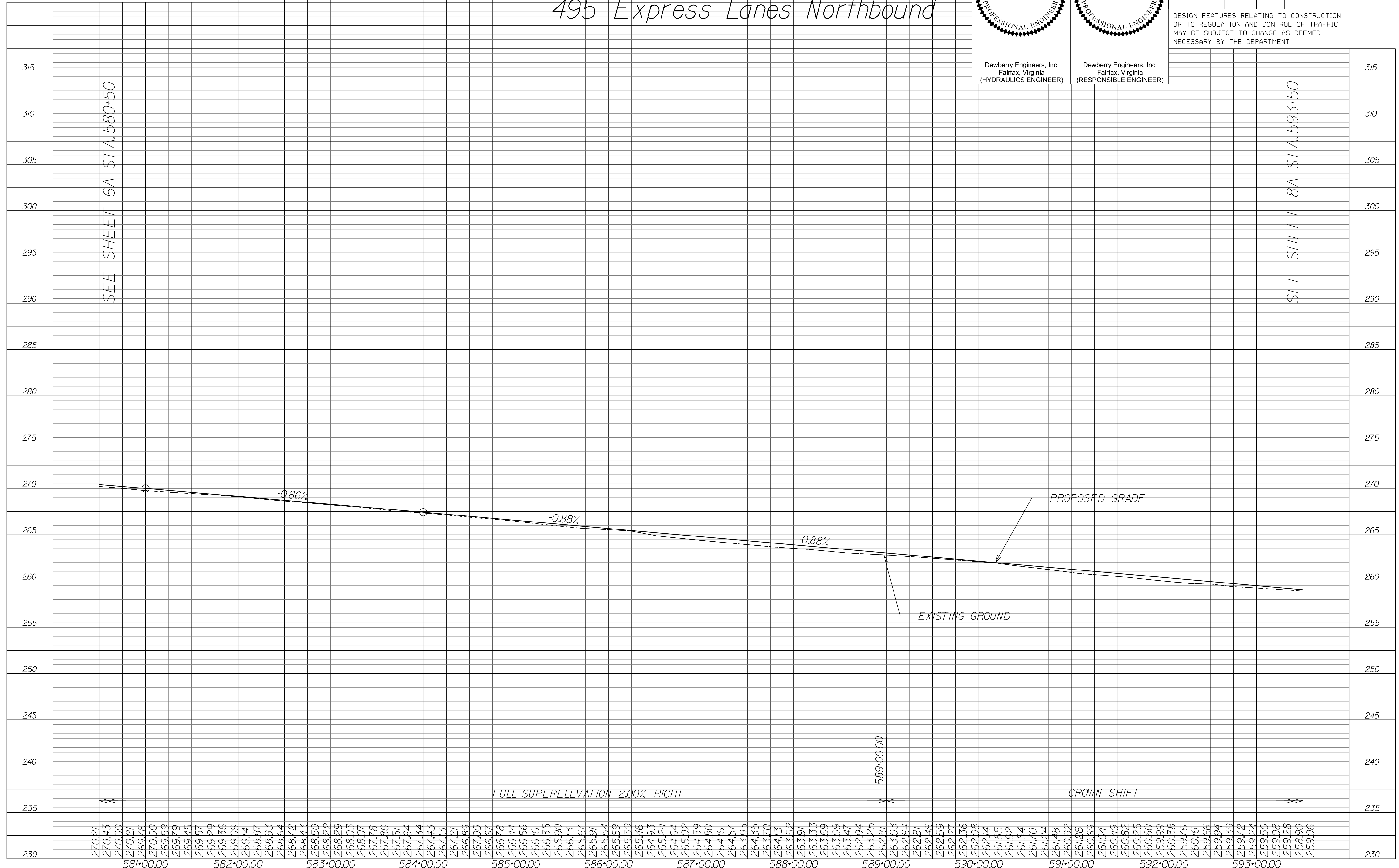
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

495 Express Lanes Northbound

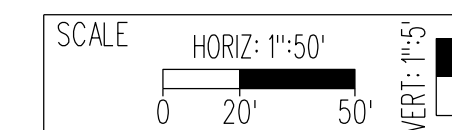
SEE SHEET 6A STA. 580+50

SEE SHEET 8A STA. 593+50



NOVA DISTRICT

12/16/2022



VDOT PROJECT NO.
0495-029-419

SHEET NO.
7A
AREA 2

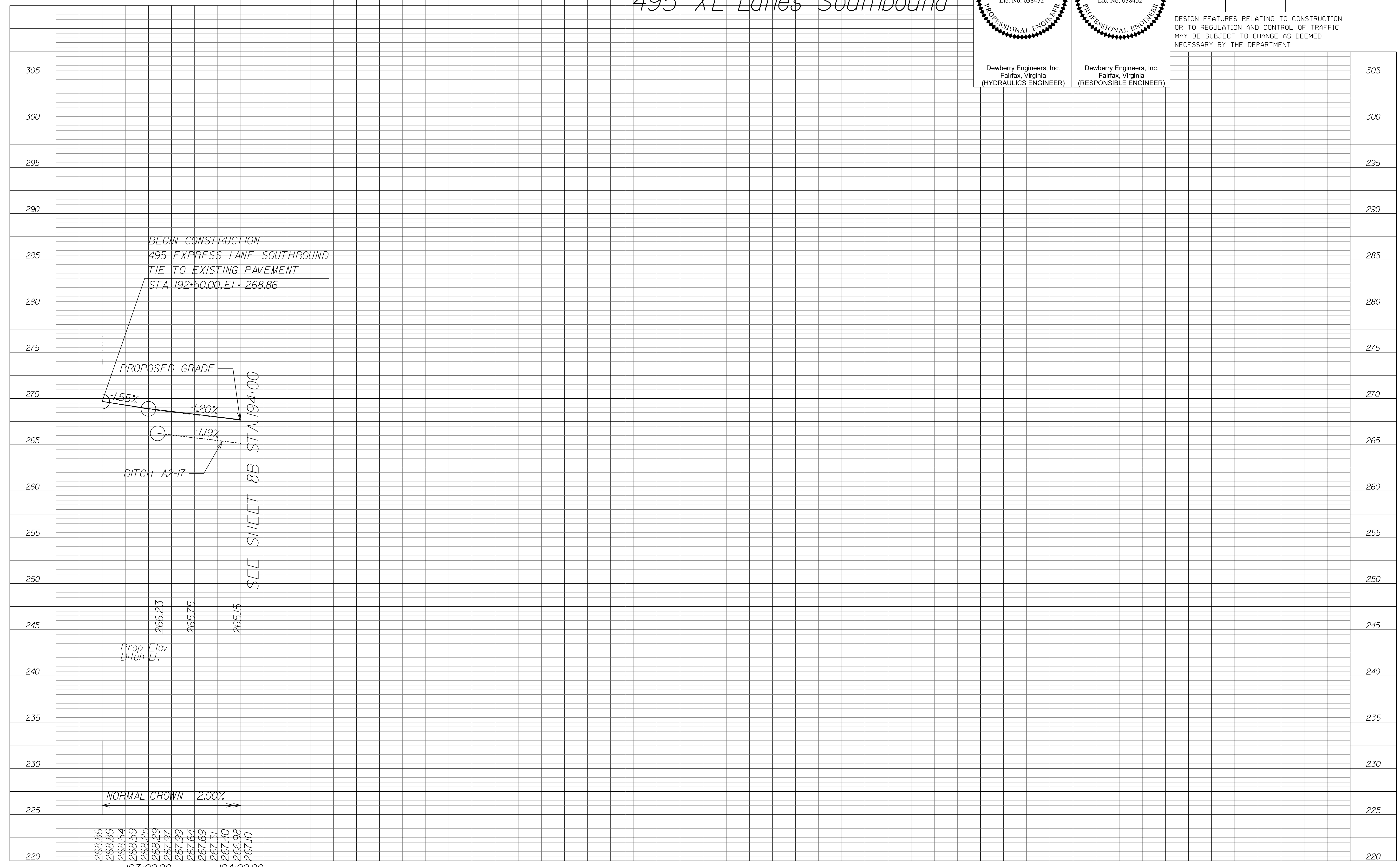
APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	7B AREA 2

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

495 XL Lanes Southbound



SEE SHEET 8B STA. 194+00

NORMAL CROWN 2.00%

268.86	268.89	268.54	268.59	268.25	267.97	267.99	267.64	267.69	267.37	267.40	266.98	267.10
											193+00.00	194+00.00

Prop Elev Ditch Lt.

266.23	265.75	265.15
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SCALE	HORIZ: 1"=50'	VERT: 1"=5'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 7B AREA 2
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APPROVED FOR CONSTRUCTION

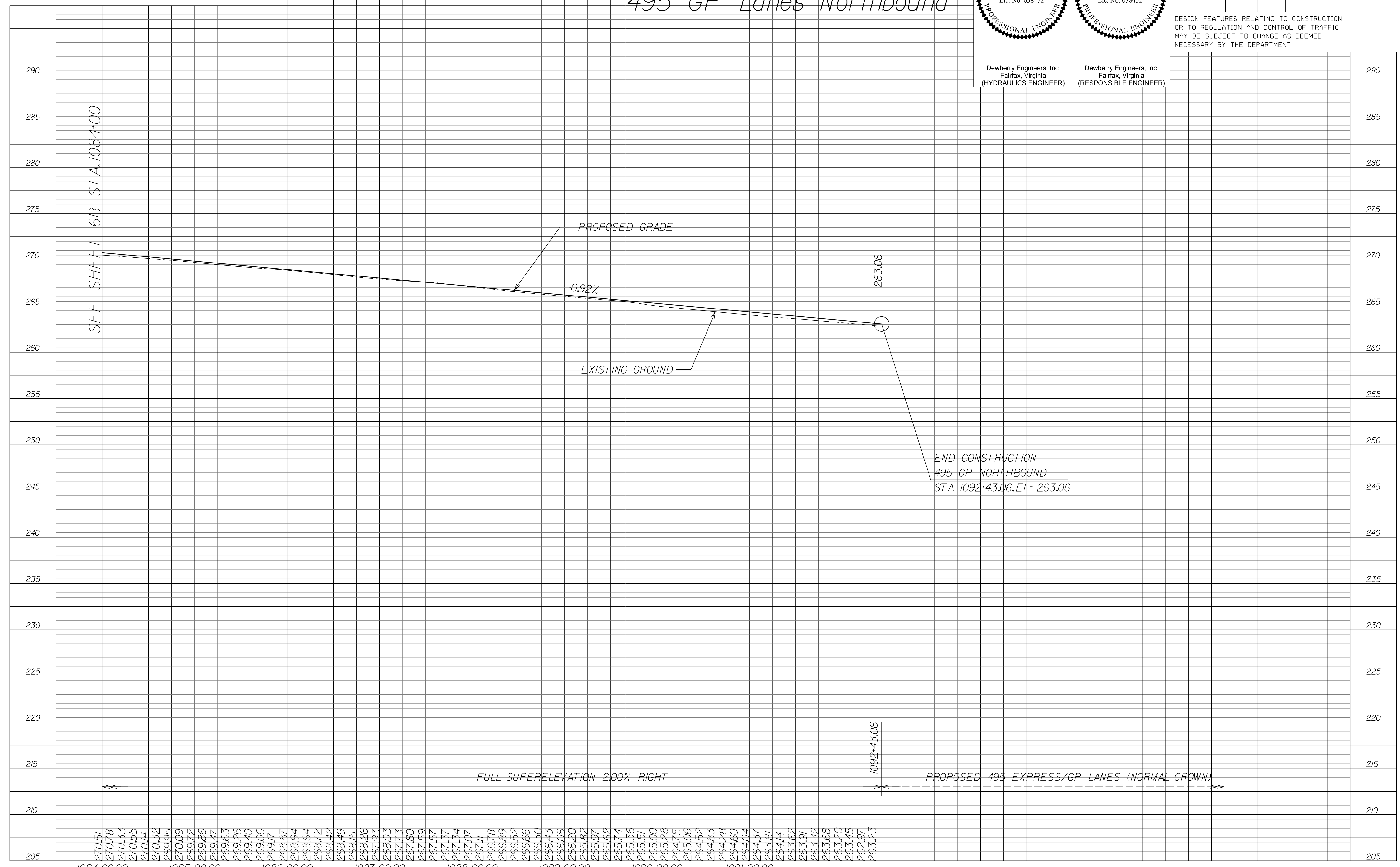
NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugall's, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	7C AREA 2

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

495 GP Lanes Northbound



SEE SHEET 6B STA. 1084+00

NOVA DISTRICT

12/16/2022

SCALE HORIZ: 1"=50' VERT: 1"=5'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 7C AREA 2
---------------------------------------	----------------------------------	---------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakominich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS, (703) 635-3060, 12/2021

RONALD J. JAKOMINICH
 Lic. No. 038452
 PROFESSIONAL ENGINEER

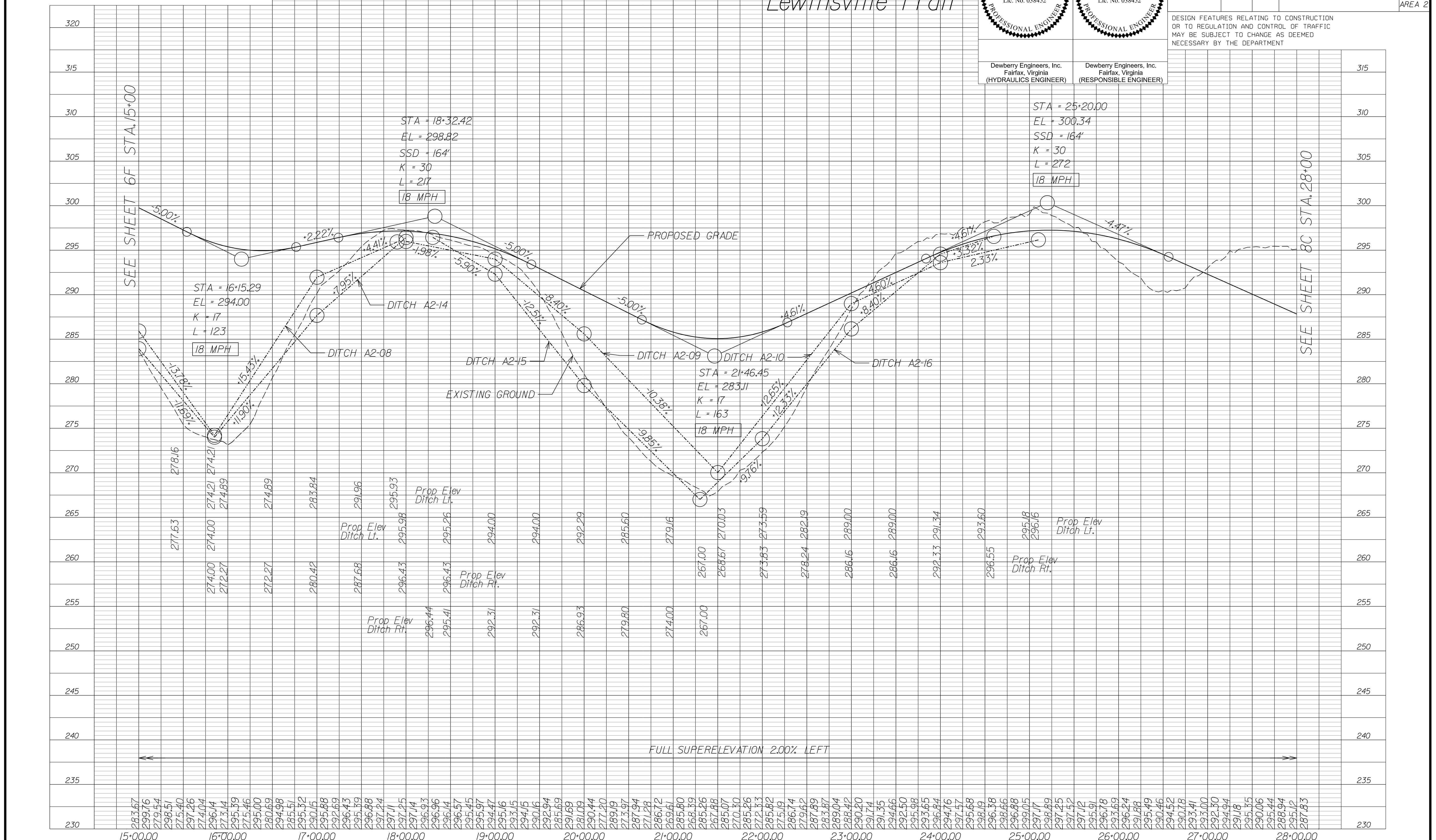
RONALD J. JAKOMINICH
 Lic. No. 038452
 PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	7D AREA 2

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



NOVA DISTRICT

12/16/2022

SCALE HORIZ: 1"=50'

VERT: 1"=5'

VDOT PROJECT NO.
0495-029-419

SHEET NO.
7D
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, LS, (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakominich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

CHRISTOPHER D. PAKSTYS,
 TRUSTEE
 & KIMBERLY CLARK PAKSTYS,
 TRUSTEE
 DB 21603 PG 1609
 10,564 SQ.FT
 TAX MAP# 030-121 0030

KEH-CHUN LEU,
 TRUSTEE &
 LUNGCHING CHIAO,
 TRUSTEE
 DB 24099 PG 1713
 10,501 SQ.FT
 TAX MAP# 030-121 0031

GREGORY J. WAGNER
 & ELAINE C. WAGNER
 DB 21148 PG 1013
 15,357 SQ.FT
 TAX MAP# 030-121 0029

TIMBERLY SOUTH
 HOMEOWNERS ASSOCIATION
 DB 5155 PG 331
 5,545 AC.
 TAX MAP# 030-121 D

THE FAIRFAX COUNTY PARK AUTHORITY
 DB 3998 PG 329
 6,536 AC.
 TAX MAP# 030-115 A

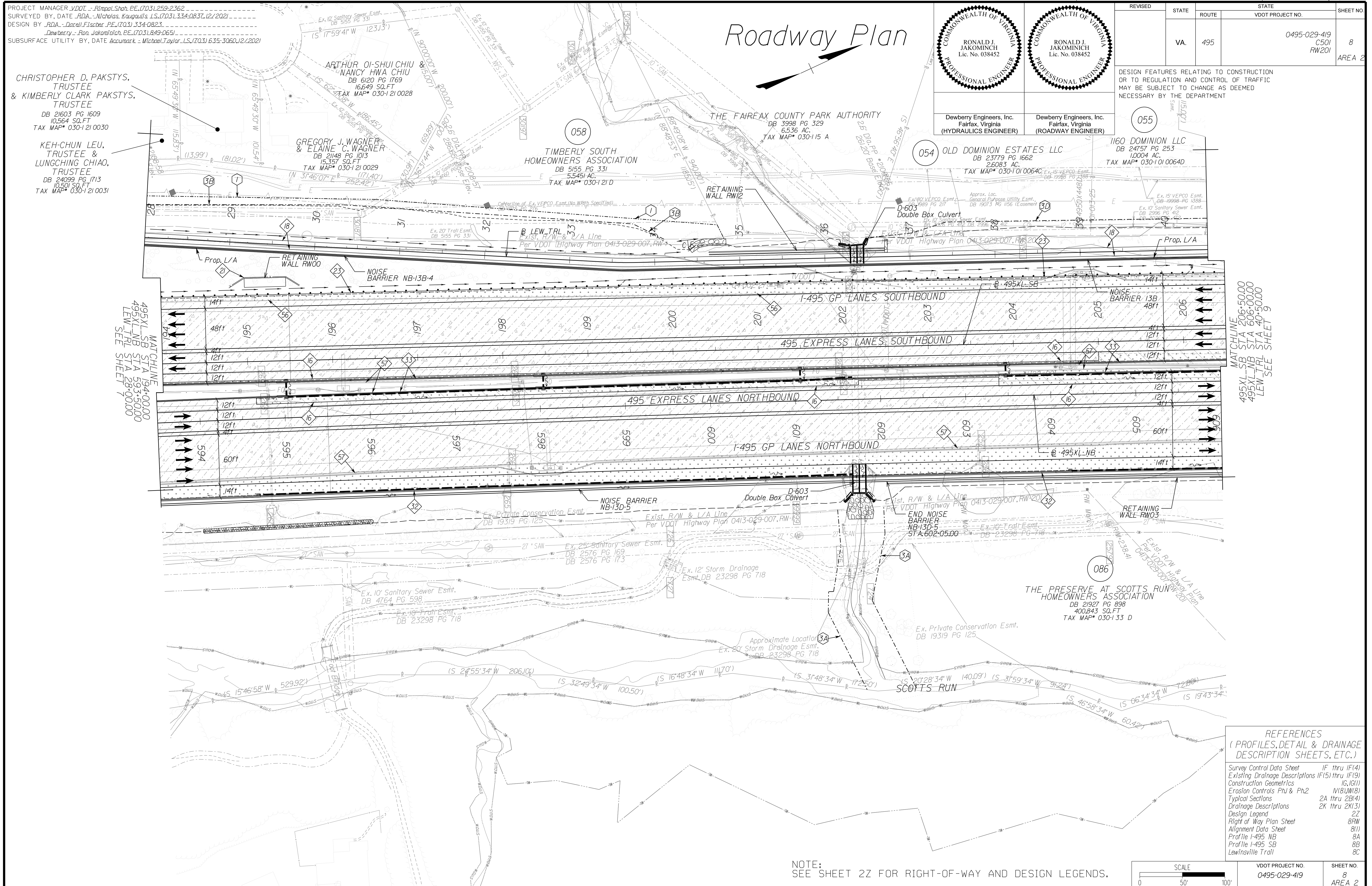
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	8 AREA 2

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

Roadway Plan



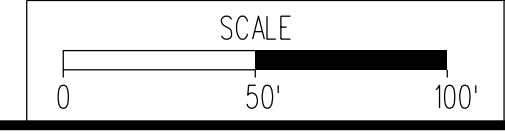
MATCHLINE
 495X1-SB STA 194+00.00
 495X1-NB STA 593+50.00
 LEW_TRL STA 28+00.00
 SEE SHEET 7

MATCHLINE
 495X1-SB STA 206+50.00
 495X1-NB STA 606+00.00
 LEW_TRL STA 40+50.00
 SEE SHEET 9

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	IG, IG(1)
Erosion Controls Ph1 & Ph2	IV(B), IV(B)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	8RW
Alignment Data Sheet	8(1)
Profile I-495 NB	8A
Profile I-495 SB	8B
Lewinsville Trail	8C

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



VDOT PROJECT NO.	SHEET NO.
0495-029-419	8
	AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS, (703) 334-0837, 12/2/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2/2021

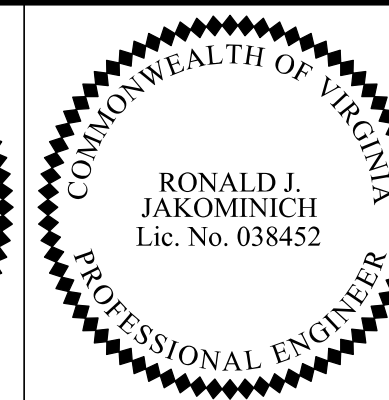
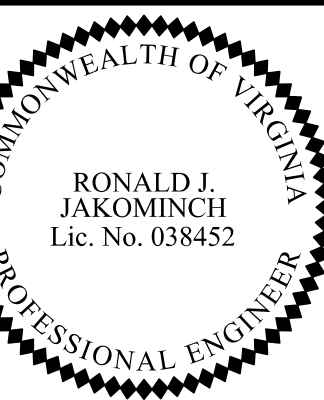
CHRISTOPHER D. PAKSTYS, TRUSTEE
 & KIMBERLY CLARK PAKSTYS, TRUSTEE
 DB 21603 PG 1609
 10,564 SQ.FT
 TAX MAP* 030-121 0030

KEH-CHUN LEU, TRUSTEE & LUNGCHING CHIAO, TRUSTEE
 DB 24099 PG 1713
 10,501 SQ.FT
 TAX MAP* 030-121 0031

GREGORY J. WAGNER & ELAINE C. WAGNER
 DB 21148 PG 1013
 15,357 SQ.FT
 TAX MAP* 030-121 0029

TIMBERLY SOUTH HOMEOWNERS ASSOCIATION
 DB 5155 PG 331
 5,545 AC.
 TAX MAP* 030-121 D

THE FAIRFAX COUNTY PARK AUTHORITY
 DB 3998 PG 329
 6,536 AC.
 TAX MAP* 030-115 A



Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201 D603	8DRN AREA 2

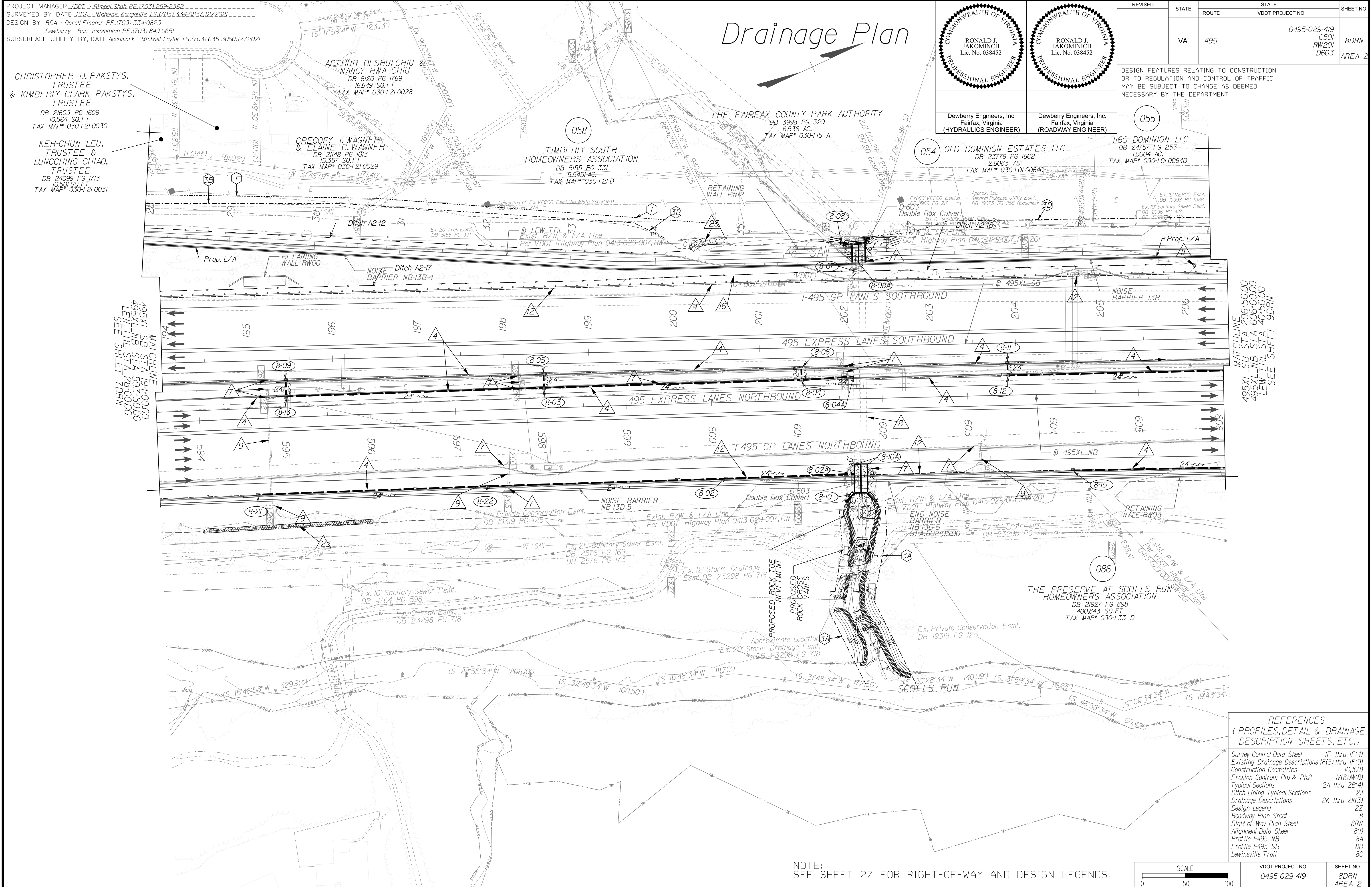
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

055

OLD DOMINION ESTATES LLC
 DB 23779 PG 1662
 2,608.3 AC.
 TAX MAP* 030-101 0064C

1160 DOMINION LLC
 DB 24757 PG 253
 1,000.4 AC.
 TAX MAP* 030-101 0064D

Drainage Plan



MATCHLINE
495XL SB STA 194+00.00
495XL NB STA 593+50.00
LEW TR STA 289+00.00
SEE SHEET 7DM

MATCHLINE
495XL SB STA 206+50.00
495XL NB STA 606+00.00
LEW TR STA 40+50.00
SEE SHEET 9DRN

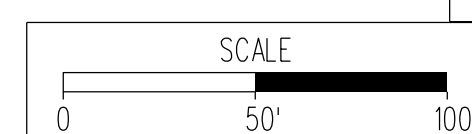
NOVA DISTRICT

12/16/2022

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	IG, IG(1)
Erosion Controls Ph1 & Ph2	IV(B), IV(B)
Typical Sections	2A thru 2B(4)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	8
Right of Way Plan Sheet	8RW
Alignment Data Sheet	8(1)
Profile I-495 NB	8A
Profile I-495 SB	8B
Lewinsville Trail	8C

NOTE: SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



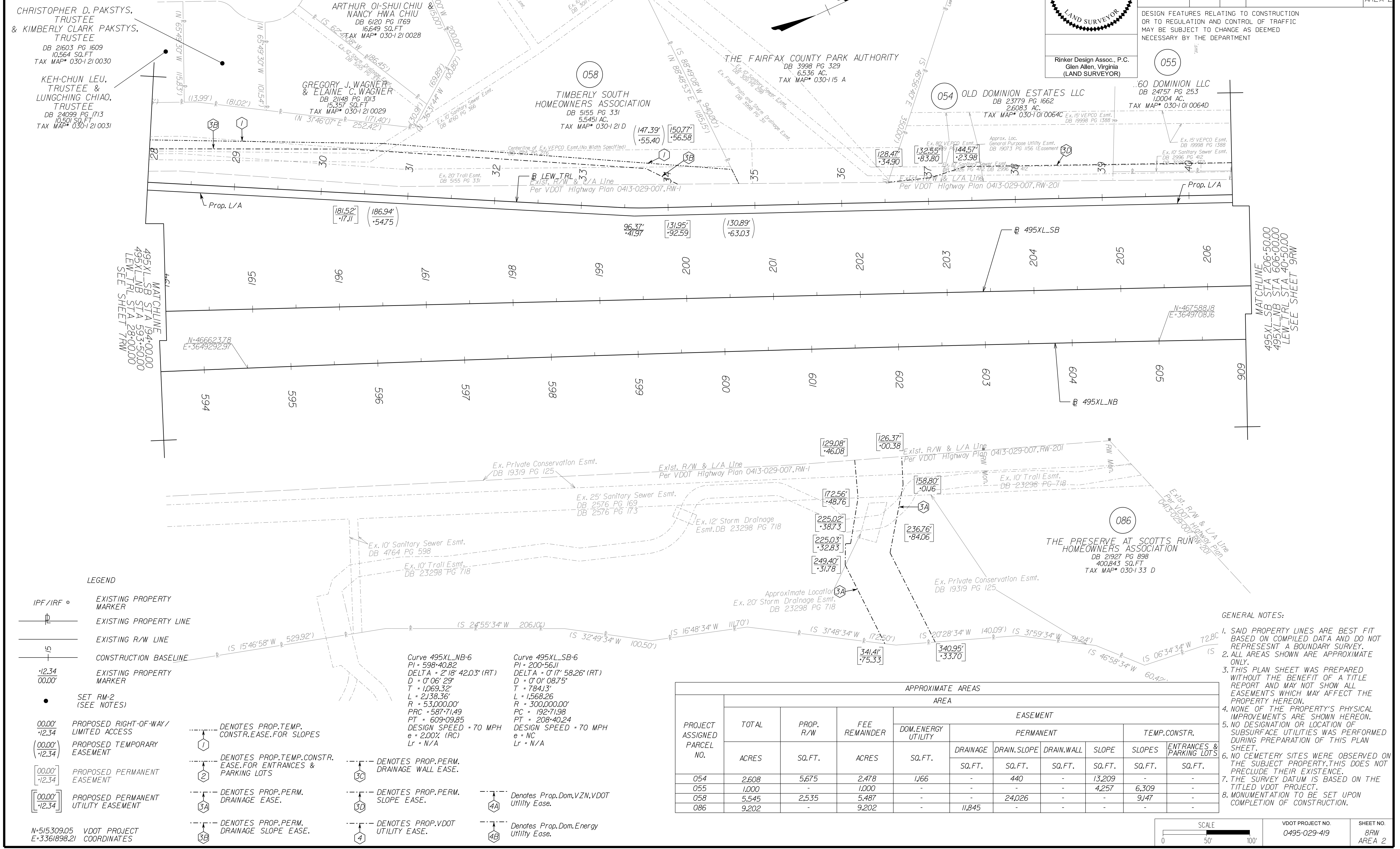
VDOT PROJECT NO.	0495-029-419
SHEET NO.	8DRN AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakomlitch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

	REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	RW001	VA	495		0495-029-419 C501 RW201	8RW AREA 2

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



LEGEND

- IPF/IRF ◦ EXISTING PROPERTY MARKER
- EXISTING PROPERTY LINE
- EXISTING R/W LINE
- CONSTRUCTION BASELINE
- EXISTING PROPERTY MARKER
- SET RM-2 (SEE NOTES)
- 00.00' -12.34' PROPOSED RIGHT-OF-WAY/LIMITED ACCESS
- 00.00' -12.34' PROPOSED TEMPORARY EASEMENT
- 00.00' -12.34' PROPOSED PERMANENT EASEMENT
- 00.00' -12.34' PROPOSED PERMANENT UTILITY EASEMENT
- DENOTES PROP.TEMP. CONSTR.EASE.FOR SLOPES
- DENOTES PROP.TEMP.CONSTR.EASE.FOR ENTRANCES & PARKING LOTS
- DENOTES PROP.PERM. DRAINAGE EASE.
- DENOTES PROP.PERM. DRAINAGE SLOPE EASE.
- DENOTES PROP.PERM. DRAINAGE WALL EASE.
- DENOTES PROP.PERM. SLOPE EASE.
- DENOTES PROP.VDOT UTILITY EASE.
- DENOTES PROP.Dom.VZN,VDOT Utility Ease.
- Denotes Prop.Dom.Energy Utility Ease.

Curve 495XL_NB-6
 PI = 598+40.82
 DELTA = 2° 18' 42.03" (RT)
 D = 0' 06" 29"
 T = 1069.32'
 L = 2138.36'
 R = 53,000.00'
 PRC = 587+71.49
 PT = 609+09.85
 DESIGN SPEED = 70 MPH
 e = 2.00% (RC)
 Lr = N/A

Curve 495XL_SB-6
 PI = 200+56.11
 DELTA = 0° 17' 58.26" (RT)
 D = 0' 01" 08.75"
 T = 784.13'
 L = 1568.26'
 R = 300,000.00'
 PRC = 192+71.98
 PT = 208+40.24
 DESIGN SPEED = 70 MPH
 e = NC
 Lr = N/A

PROJECT ASSIGNED PARCEL NO.	APPROXIMATE AREAS								
	TOTAL ACRES	PROP. R/W SQ.FT.	FEE REMAINDER ACRES	EASEMENT					
				DOM.ENERGY UTILITY SQ.FT.	PERMANENT			TEMP.CONSTR.	
				DRAINAGE SQ.FT.	DRAIN.SLOPE SQ.FT.	DRAIN.WALL SQ.FT.	SLOPE SQ.FT.	SLOPES SQ.FT.	ENTRANCES & PARKING LOTS SQ.FT.
054	2.608	5,675	2,478	1,166	-	440	-	13,209	-
055	1.000	-	1,000	-	-	-	-	4,257	6,309
058	5.545	2,535	5,487	-	-	24,026	-	-	9,147
086	9.202	-	9,202	-	11,845	-	-	-	-

- GENERAL NOTES:**
1. SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
 2. ALL AREAS SHOWN ARE APPROXIMATE ONLY.
 3. THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
 4. NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
 5. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
 6. NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
 7. THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
 8. MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 8RW AREA 2
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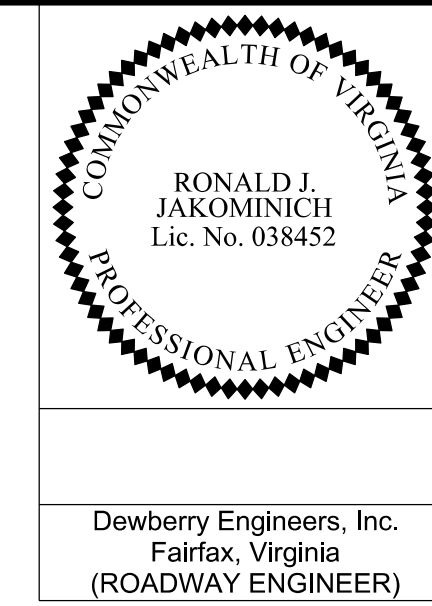
APP. FOR ROW

NOVA DISTRICT

9/2/2022

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugall's, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

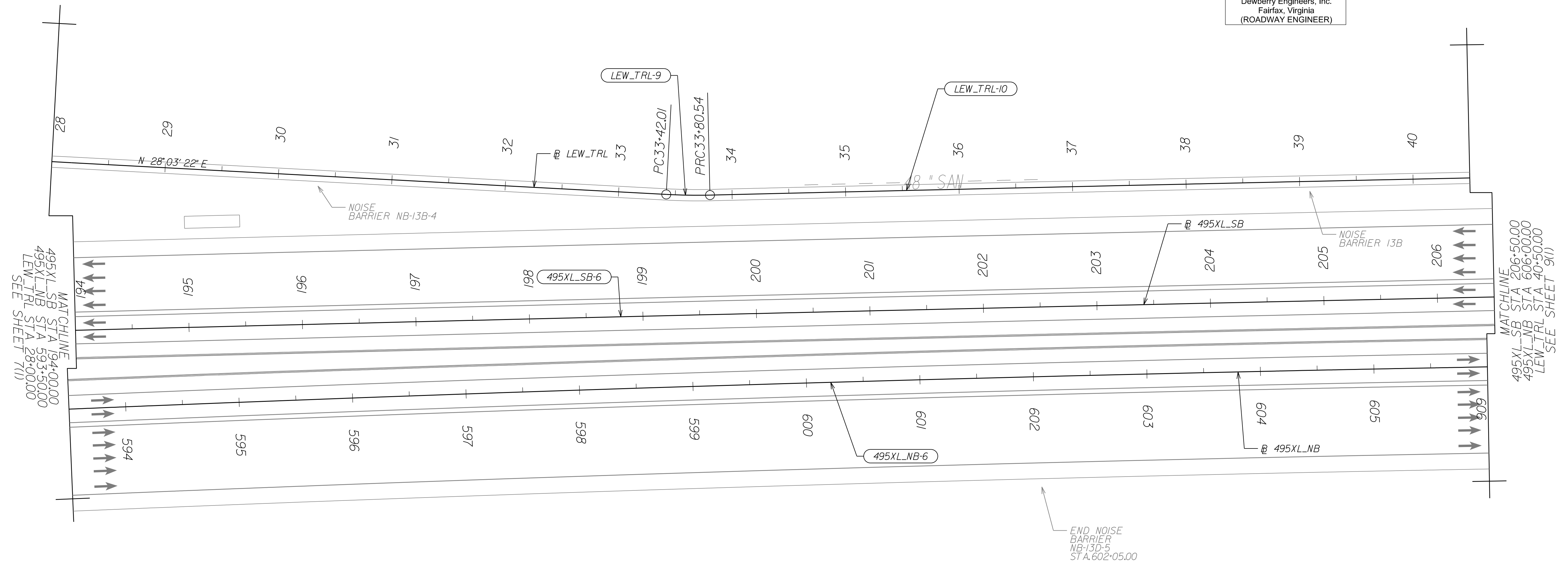
Alignment Data



REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	8(1) AREA 2

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

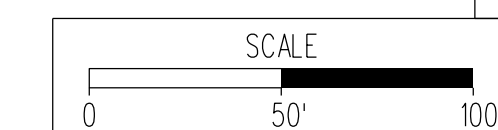
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)



Curve 495XL-NB-6 PI = 598+40.82 DELTA = 2° 18' 42.03" (RT) D = 0' 06" 29" T = 1069.32' L = 2138.36' R = 53,000.00' PRC = 587-71.49 PT = 609+09.85 DESIGN SPEED = 70 MPH e = 2.00% (RC) Lr = N/A	Curve LEW_TRL9 PI = 33+61.29 DELTA = 4° 24' 55.82" (LT) D = 1" 27' 33" T = 19.28' L = 38.53' R = 500.00' PC = 33+42.01 PRC = 33+80.54 DESIGN SPEED = 18 MPH e = 2.00% (RC) Lr = N/A	Curve LEW_TRL10 PI = 38+20.03 DELTA = 0° 10' 04.13" (RT) D = 0' 01' 09" T = 439.49' L = 878.97' R = 300,105.39' PRC = 33+80.54 PCC = 42+59.52 DESIGN SPEED = 18 MPH e = 2.00% (RC) Lr = N/A	Curve 495XL-SB-6 PI = 200+56.11 DELTA = 0° 17' 58.26" (RT) D = 0' 01' 08.75" T = 784.13' L = 1,568.26' R = 300,000.00' PC = 192+71.98 PT = 208+40.24 DESIGN SPEED = 70 MPH e = NC Lr = N/A
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REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Plan Sheet 8

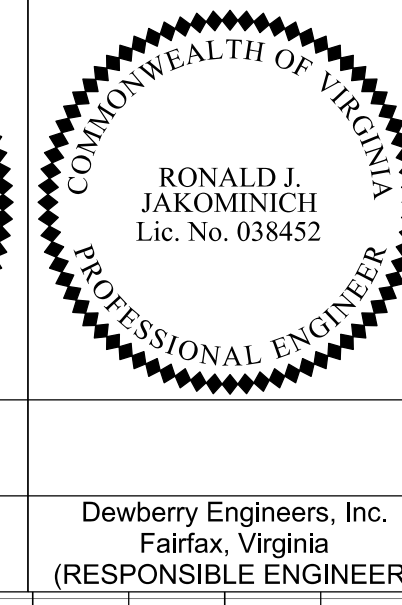
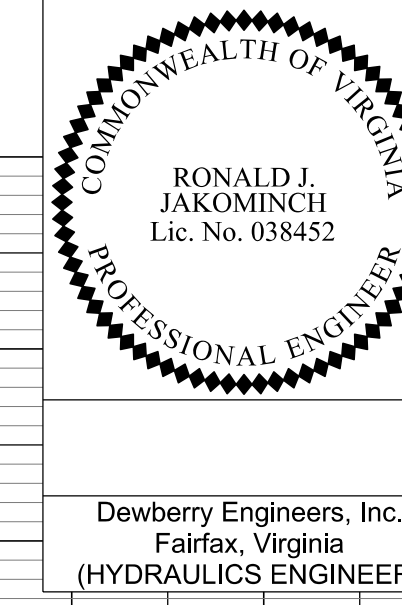


VDOT PROJECT NO. 0495-029-419	SHEET NO. 8(1) AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

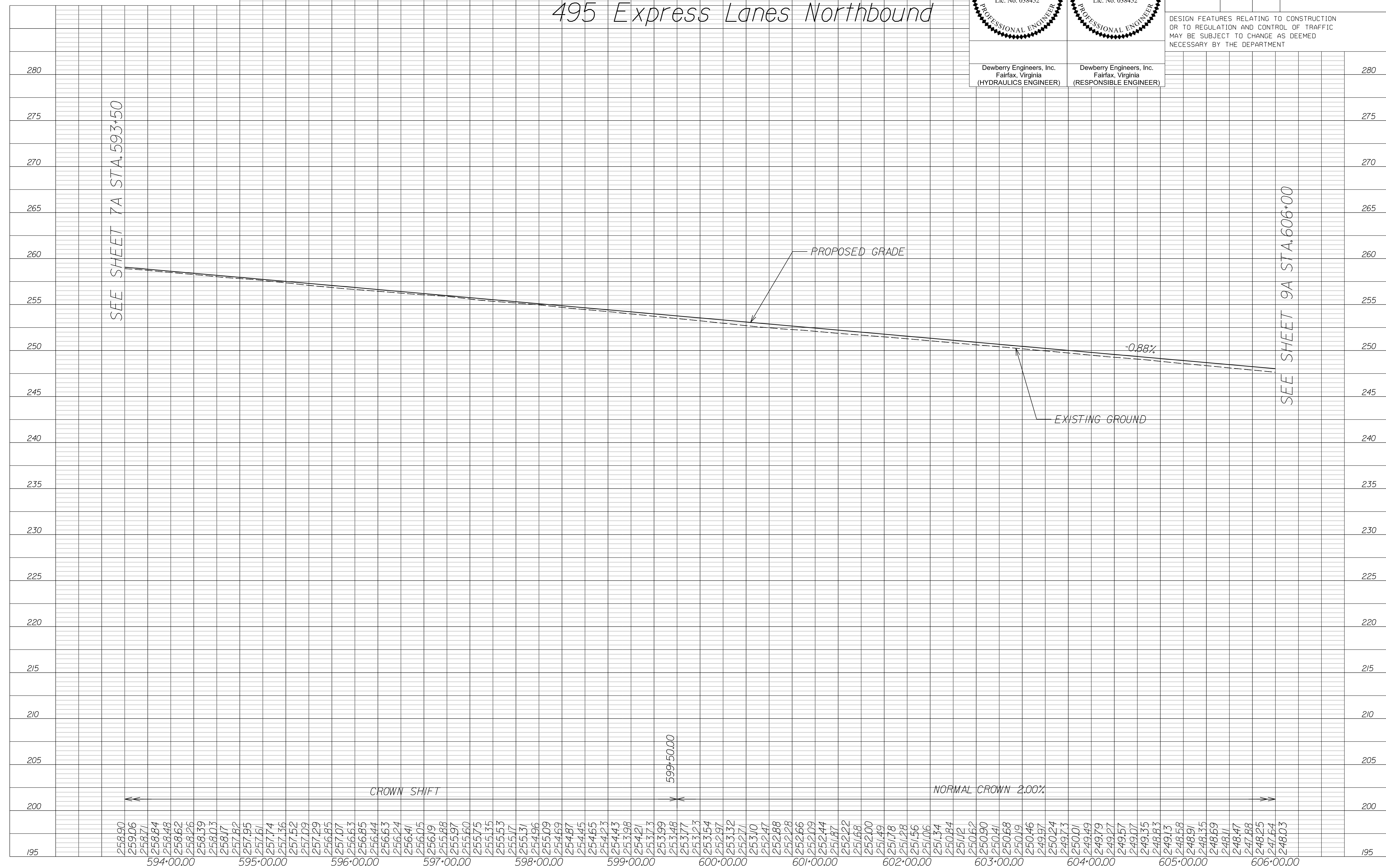
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	8A AREA 2

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

495 Express Lanes Northbound



SEE SHEET 7A STA. 593+50

SEE SHEET 9A STA. 606+00

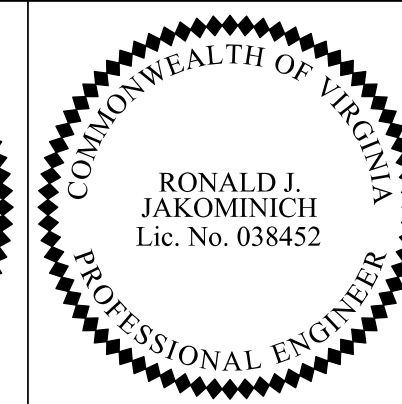
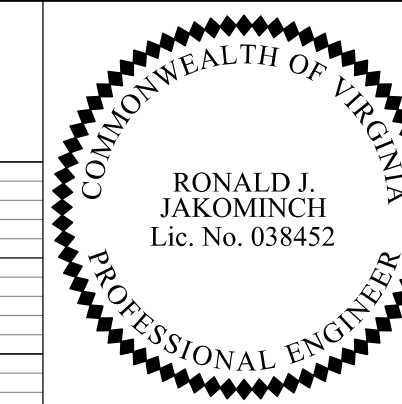
NOVA DISTRICT

12/16/2022

SCALE: HORIZ: 1"=50'
 VERT: 1"=5'
 VDOT PROJECT NO. 0495-029-419
 SHEET NO. 8A
 AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakominich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS, (703) 635-3060, 12/2021



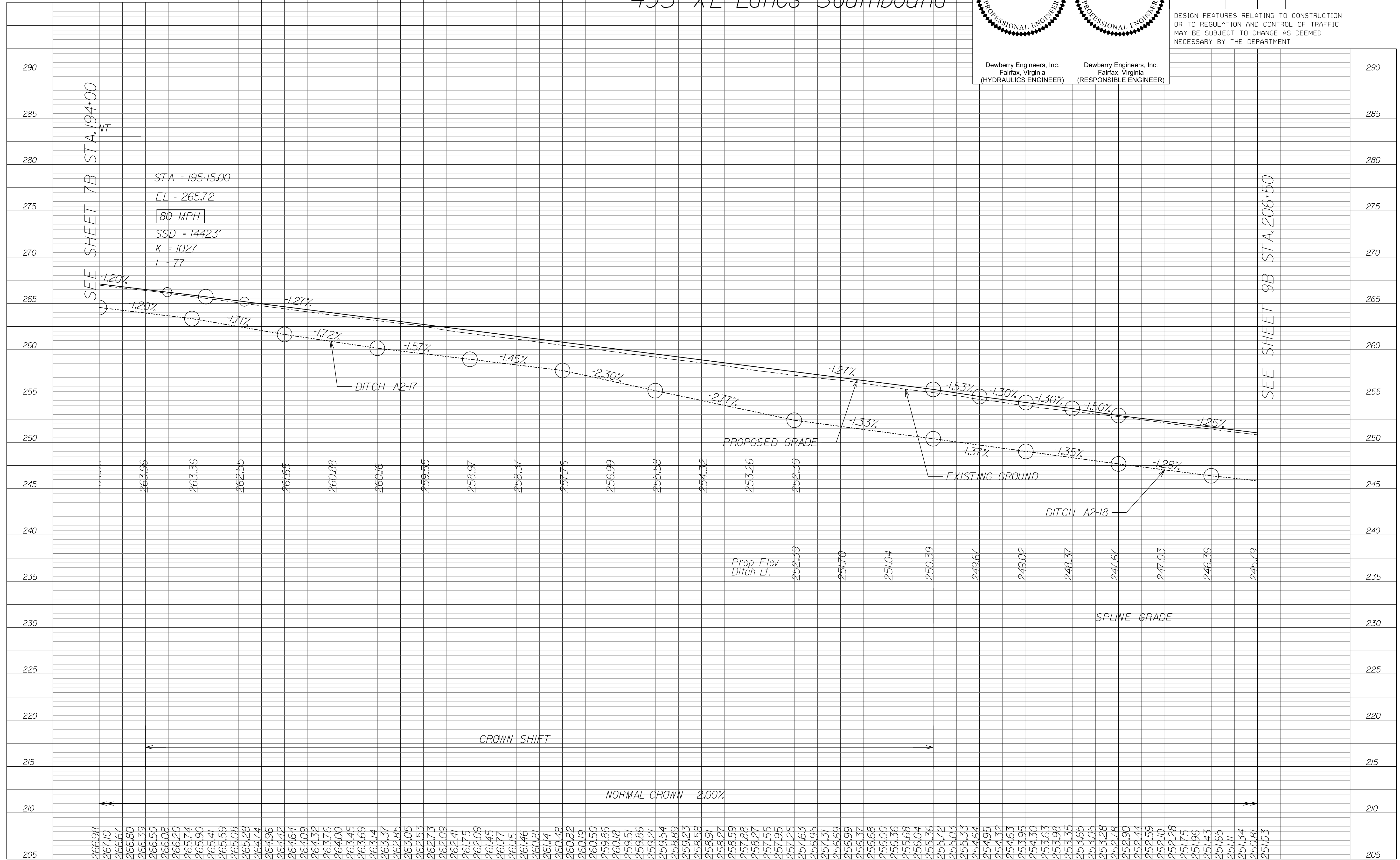
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	8B AREA 2

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

495 XL Lanes Southbound



SEE SHEET 7B STA. 194+00

SEE SHEET 9B STA. 206+50

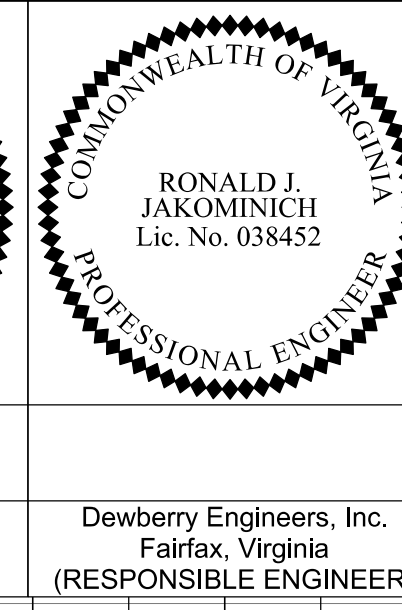
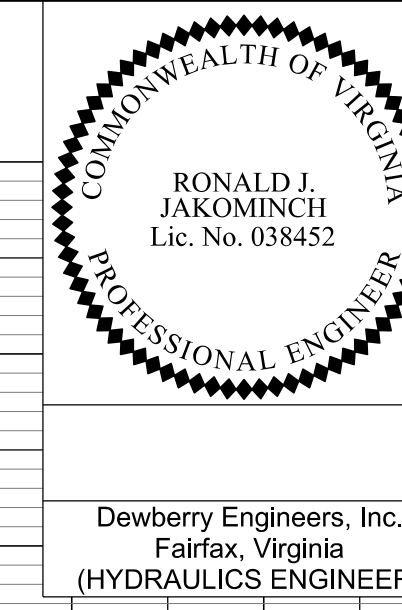
STA = 195+15.00
 EL = 265.72
 80 MPH
 SSD = 1442.3'
 K = 1027
 L = 77

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

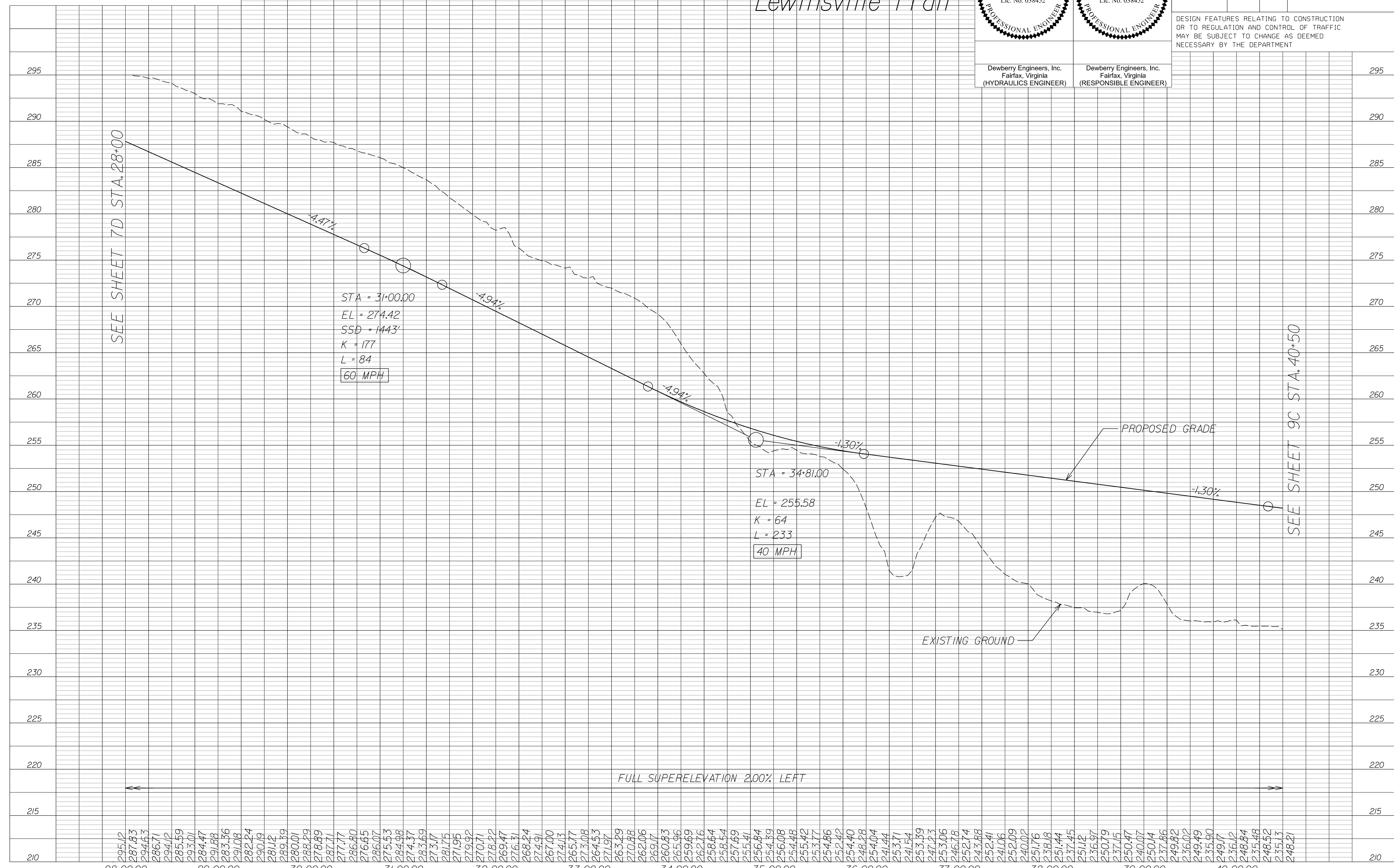
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	8C AREA 2

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

Lewinsville Trail



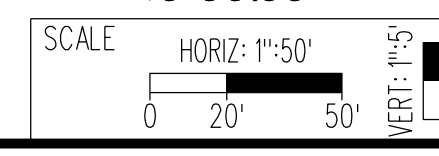
SEE SHEET 7D STA. 28+00

SEE SHEET 9C STA. 40+50

STA = 31+00.00
 EL = 274.42
 SSD = 1443'
 K = 177
 L = 84
60 MPH

STA = 34+81.00
 EL = 255.58
 K = 64
 L = 233
40 MPH

FULL SUPERELEVATION 2.00% LEFT



VDOT PROJECT NO. 0495-029-419
 SHEET NO. 8C
 AREA 2

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

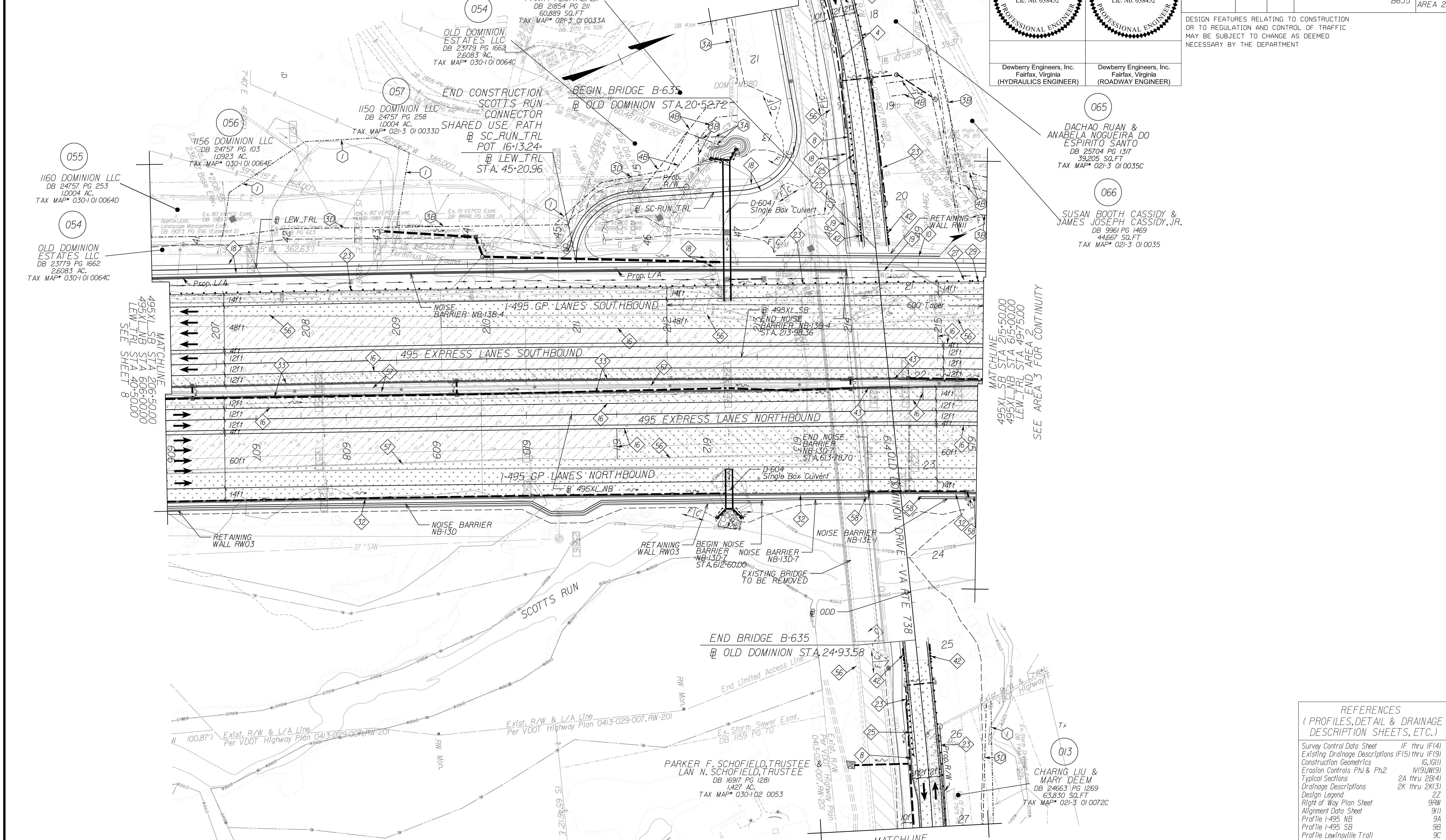
PROJECT MANAGER_VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, PE, (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

Roadway Plan

Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201 B635	9 AREA 2

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



NOTE: SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls Ph1 & Ph2	M(9), N(9)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	9RW
Alignment Data Sheet	9(1)
Profile I-495 NB	9A
Profile I-495 SB	9B
Profile Lewisville Trail	9C
Profile Scotts Run Connector	9D
Profile Old Dominion Drive	9E

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	9 AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Drainage Plan

HUMAM K. ALATHARI & TANIA ALCHALABI
 DB 21854 PG 211
 60,889 SQ.FT
 TAX MAP* 021-3 01 0033A

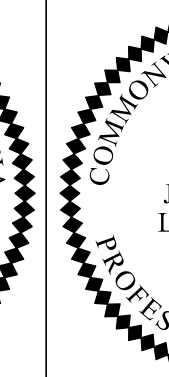
OLD DOMINION ESTATES LLC
 DB 23779 PG 1662
 2,6083 AC.
 TAX MAP* 030-1 01 0064D

1150 DOMINION LLC
 DB 24757 PG 258
 1,0004 AC.
 TAX MAP* 021-3 01 0033D

1156 DOMINION LLC
 DB 24757 PG 103
 1,0923 AC.
 TAX MAP* 030-1 01 0064E

1160 DOMINION LLC
 DB 24757 PG 253
 1,0004 AC.
 TAX MAP* 030-1 01 0064D

OLD DOMINION ESTATES LLC
 DB 23779 PG 1662
 2,6083 AC.
 TAX MAP* 030-1 01 0064C



Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

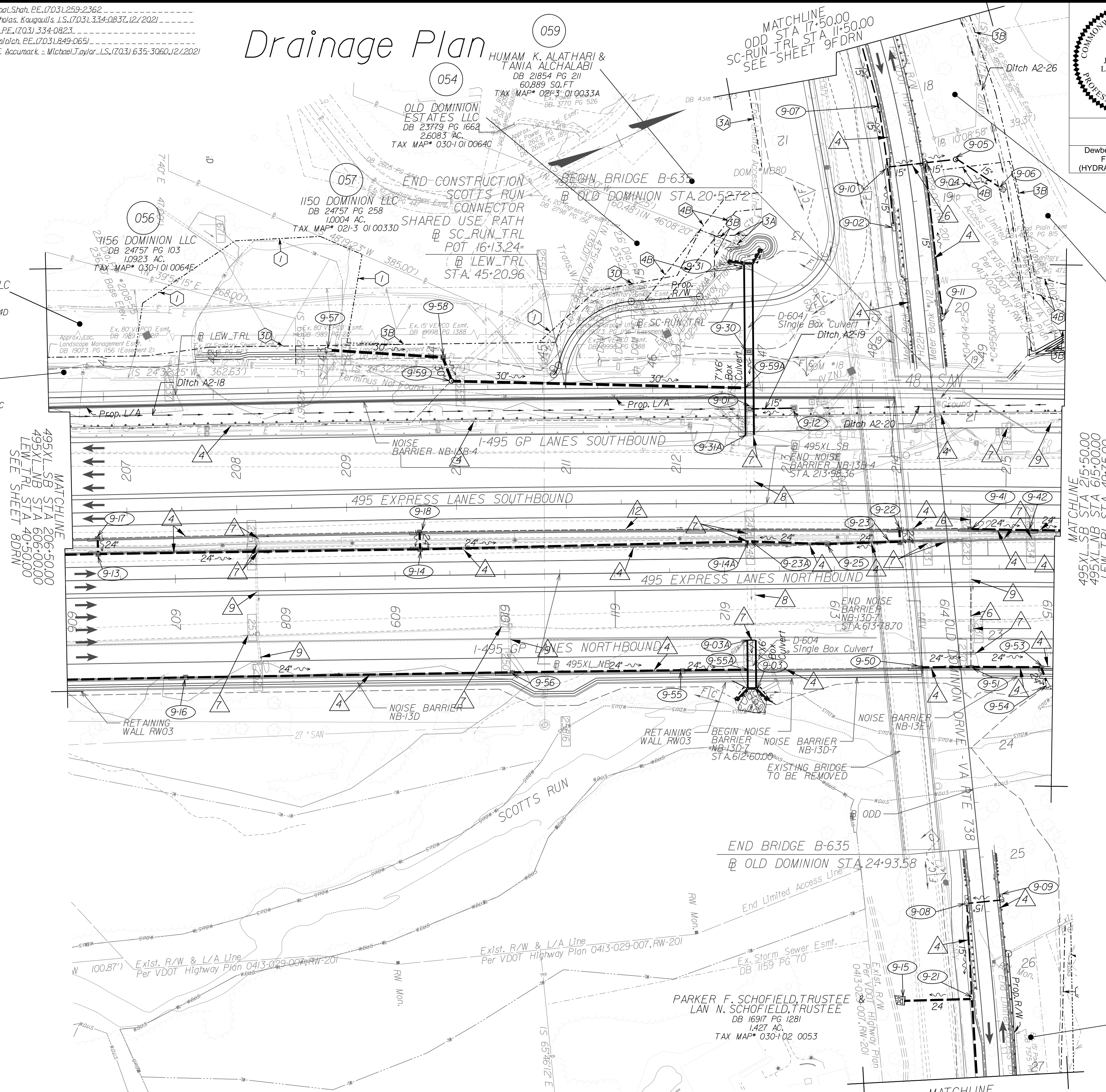
DACHAO RUAN & ANABELA NOGUEIRA DO ESPIRITO SANTO
 DB 25704 PG 1317
 39,205 SQ.FT
 TAX MAP* 021-3 01 0035C

SUSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY, JR.
 DB 9961 PG 1469
 44,667 SQ.FT
 TAX MAP* 021-3 01 0035B

CHARNG LIU & MARY DEEM
 DB 24663 PG 1269
 63,830 SQ.FT
 TAX MAP* 021-3 01 0072C

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201 D604	9DRN AREA 2

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



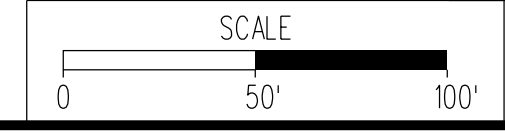
MATCHLINE
495XL_SB STA 206+50.00
495XL_NB STA 606+00.00
LEW_TRL STA 40+50.00
SEE SHEET 8DRN

MATCHLINE
495XL_SB STA 215+50.00
495XL_NB STA 615+00.00
LEW_TRL STA 49+75.00
END AREA 2
SEE AREA 3 FOR CONTINUITY

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	IG, IG(1)
Erosion Controls Ph1 & Ph2	IM(9), IM(9)
Typical Sections	2A thru 2B(4)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	9
Right of Way Plan Sheet	9RW
Alignment Data Sheet	9(1)
Profile I-495 NB	9A
Profile I-495 SB	9B
Profile Lewinsville Trail	9C
Profile Scott Run Connector	9D
Profile Old Dominion Drive	9E

NOTE: SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



VDOT PROJECT NO.	SHEET NO.
0495-029-419	9DRN AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

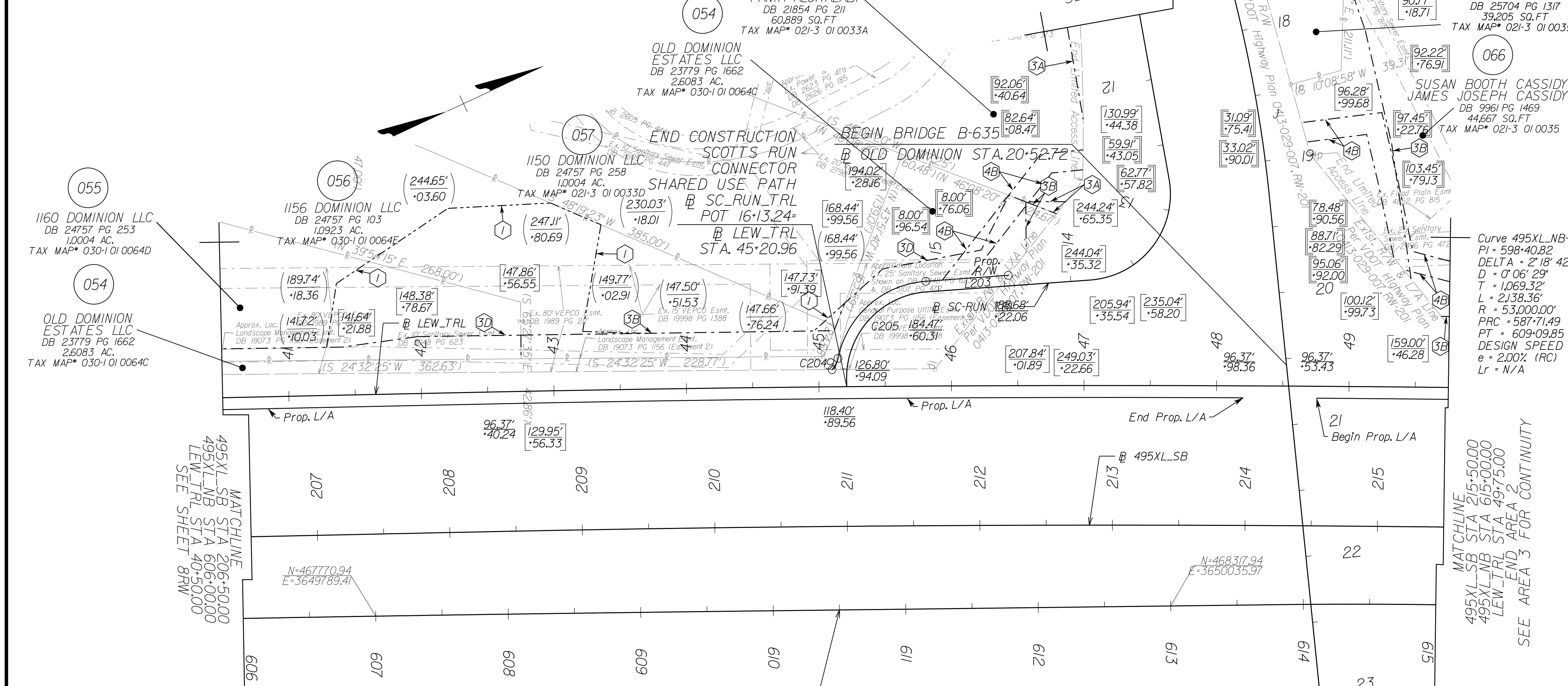
PROJECT MANAGER_VDOT - Bimbal,Shah,PE,(703) 259-2362
 SURVEYED BY, DATE_BDA - Nicholas, Kougoulis,LS,(703) 334-0837,1/2019
 DESIGN BY_BDA - Oarell, Elischer, PE,(703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Mitchell, Taylor,LS,(703) 635-3060,12/2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
RW001	VA	495		0495-029-419 C501 RW201	9RW AREA 2

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

(RW001) Revised parcels 054,056,057,059,065, and 066. See Sheet ID for details. Added easement labels per VDOT request.
(RW002) Revised parcel 066. See Sheet ID for details.

Curve	PI	DELTA	D	T	L	R	PC	PT	DESIGN SPEED	e	Lr
Curve 495XL_NB-6	598+40.82	2°18' 42.03" (RT)	0' 06" 29"	1,069.32'	2138.36'	53,000.00'	587+71.49'	609+09.85'	70 MPH	2.00% (RC)	N/A
Curve 495XL_NB-7	621+95.39	19° 49' 26.95" (RT)	1' 13' 48"	814.03'	1,611.79'	615+81.36'	629+93.15'	629+93.15'	70 MPH	2.00%, 4.00%	48'
Curve 495XL_SB-6	200+56.11	0° 17' 58.26" (RT)	0' 15' 38"	784.13'	1,568.26'	300,000.00'	192+71.98'	208+40.24'	70 MPH	N/A	N/A
Curve 495XL_SB-7	211+91.42	1° 49' 44.54" (RT)	0' 15' 38"	351.18'	702.30'	22,000.00'	208+40.24'	215+42.54'	70 MPH	N/A	N/A



CURVE	RADIUS	ARC	DELTA	TANGENT	CH. BEARING	CHORD
C204	17.00	9.69	32°39'31"	4.98	S37°6'49"E	9.56
C205	73.00	94.67	7°41'8"04"	55.31	S16°17'33"E	88.17
C206	4076.00	280.15	0°35'6"17"	140.13	S67°36'39"E	280.09

LINE	BEARING	DIST.
L203	S20°51'29"W	62.41'

PROJECT ASSIGNED PARCEL NO.	APPROXIMATE AREAS									
	TOTAL ACRES	PROP. R/W SQ.FT.	FEE REMAINDER ACRES	EASEMENT						TEMP. CONSTR. SQ.FT.
				VDOT UTILITY SQ.FT.	DOM. ENERGY UTILITY SQ.FT.	PERMANENT		SLOPES		
						DRAINAGE SQ.FT.	DRAIN. SLOPE SQ.FT.	DRAIN. WALL SQ.FT.	SLOPE SQ.FT.	SLOPES SQ.FT.
013	1,465	1,826	1,423	-	-	-	-	-	6,862	1,490
054	2,608	5,675	2,478	-	1,166	-	440	-	13,209	-
055	1,000	-	1,000	-	-	-	-	-	4,257	6,309
056	1,092	-	1,092	-	-	-	4,327	-	-	10,468
057	1,000	-	1,000	-	-	-	-	-	-	85
059	1,398	-	1,398	-	936	782	-	-	-	-
065	0,900	-	0,900	455	-	-	-	-	-	195
066	1,025	-	1,025	-	3,314	-	8,540	-	-	-

LEGEND

- IPF/IRF ◦ EXISTING PROPERTY MARKER
- EXISTING PROPERTY LINE
- EXISTING R/W LINE
- CONSTRUCTION BASELINE
- EXISTING PROPERTY MARKER
- SET RM-2 (SEE NOTES)
- DENOTES PROP. TEMP. CONSTR. EASE. FOR SLOPES
- DENOTES PROP. TEMP. CONSTR. EASE. FOR ENTRANCES & PARKING LOTS
- DENOTES PROP. PERM. DRAINAGE EASE.
- DENOTES PROP. PERM. DRAINAGE SLOPE EASE.
- DENOTES PROP. RIGHT-OF-WAY / LIMITED ACCESS
- DENOTES TEMPORARY EASEMENT
- DENOTES PROPOSED PERMANENT EASEMENT
- DENOTES PROPOSED PERMANENT UTILITY EASEMENT
- DENOTES PROP. PERM. DRAINAGE WALL EASE.
- DENOTES PROP. PERM. SLOPE EASE.
- DENOTES PROP. VDOT UTILITY EASE.
- Denotes Prop. Dom. VZN, VDOT Utility Ease.
- Denotes Prop. Dom. Energy Utility Ease.

GENERAL NOTES:

- SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
- ALL AREAS SHOWN ARE APPROXIMATE ONLY.
- THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
- NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
- NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
- NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
- THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
- MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	9RW AREA 2

APP. FOR ROW

NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugall's, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021

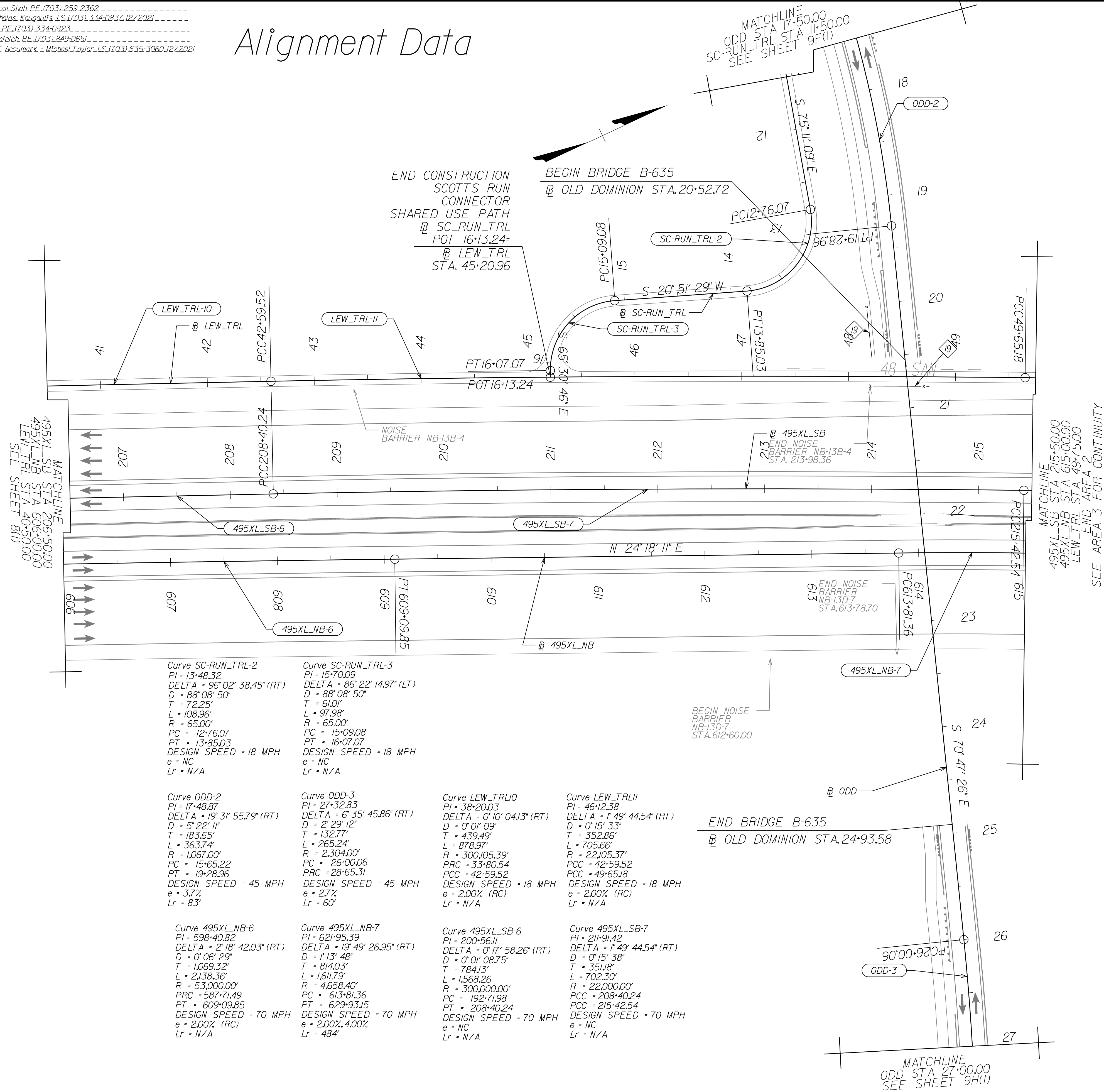
Alignment Data

RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	9(1) AREA 2

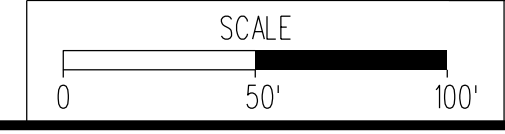
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



NOVA DISTRICT

12/16/2022

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Roadway Plan Sheet 9

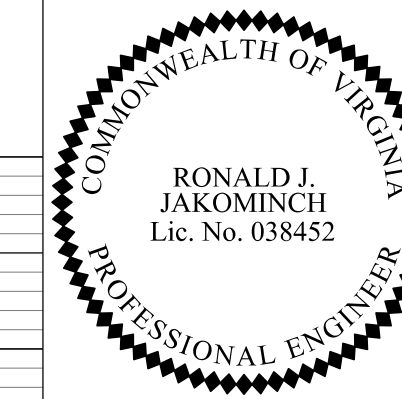


VDOT PROJECT NO. 0495-029-419	SHEET NO. 9(1) AREA 2
----------------------------------	-----------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

495 Express Lanes Northbound

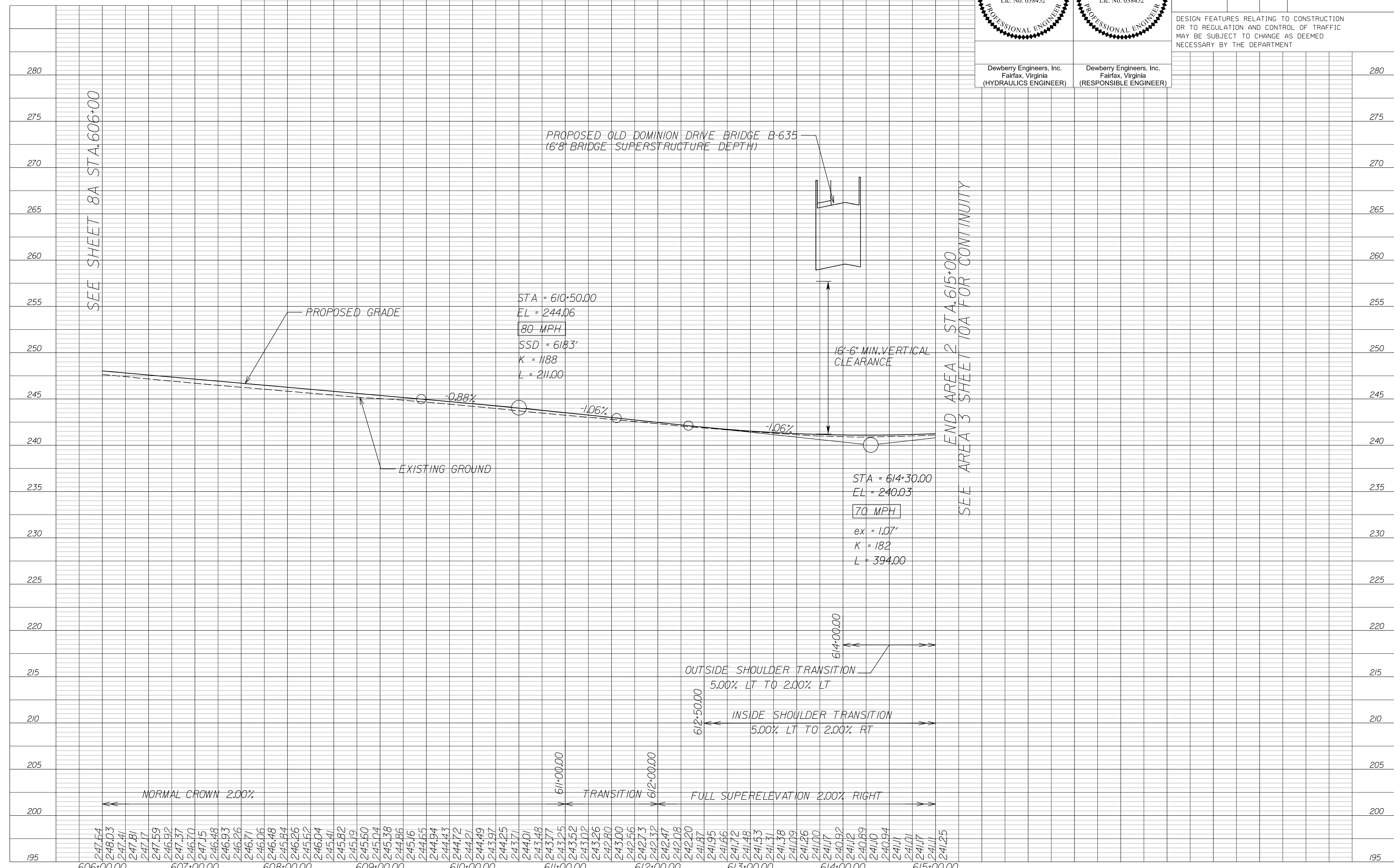


Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	9A AREA 2

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



NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

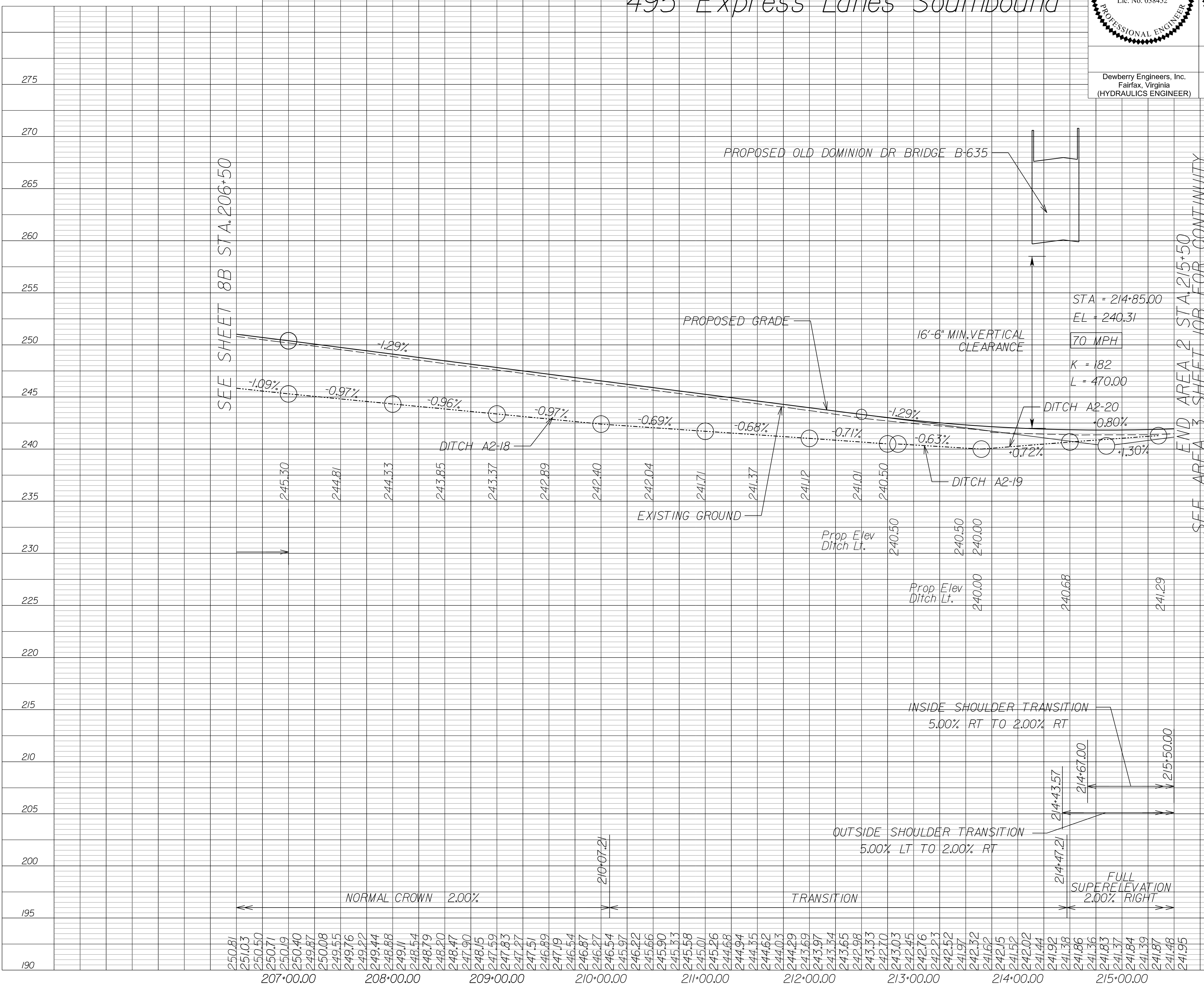
PROJECT MANAGER_VDOT - Ritaal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumack - Michael Taylor, L.S. (703) 635-3060, 12/2021

Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (RESPONSIBLE ENGINEER)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	9B AREA 2

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

495 Express Lanes Southbound



NOVA DISTRICT

12/16/2022

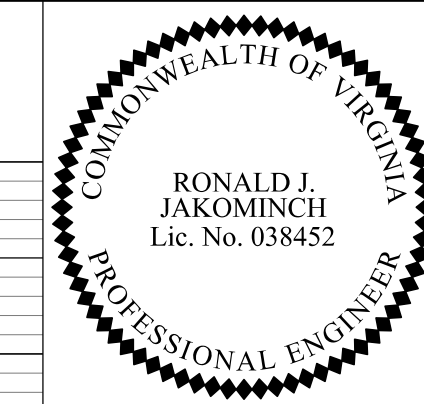
SCALE HORIZ: 1"=50'
 VERT: 1"=5'

VDOT PROJECT NO.
0495-029-419

SHEET NO.
9B
AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
Dewberry - Ron Jakominich, P.E. (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



REVISION	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	9C AREA 2

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

Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
Fairfax, Virginia
(RESPONSIBLE ENGINEER)

285
280
275
270
265
260
255
250
245
240
235
230
225
220
215
210
205
200

Lewinsville Trail

SEE SHEET 8C STA. 40+50

STA = 40+65.31
EL = 247.99
K = 96
L = 63
50 MPH

-0.64%

PROPOSED OLD DOMINION DR BRIDGE B-635

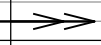
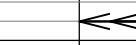
PROPOSED GRADE

EXISTING GROUND

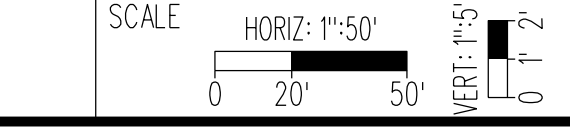
10' MIN. VERTICAL CLEARANCE

SEE AREA 2 STA. 5+25
SEE AREA 3 SHEET 10C FOR CONTINUITY

FULL SUPERELEVATION 2.00% LEFT



235.13	248.21	235.66	247.96	235.48	247.77	235.20	247.61	235.62	247.45	236.27	247.29	235.79	247.13	235.26	246.97	235.26	246.81	235.26	246.65	235.26	246.49	236.64	246.33	234.81	246.17	233.03	246.01	232.81	245.85	232.58	245.68	245.52	232.41	245.36	232.36	245.20	232.07	245.04	232.25	244.88	232.03	244.72	232.72	244.56	231.79	244.40	232.06	244.24	232.56	244.08	232.80	243.92	236.15	243.76	246.84	243.60	260.24	243.44	263.15	243.28	261.23	243.12	248.73	242.96	233.79	242.80	236.17	242.63	233.98	242.47	232.36	242.31	231.24	230.18	229.50	229.37	229.55	229.83	229.57
41+00.00		42+00.00		43+00.00		44+00.00		45+00.00		46+00.00		47+00.00		48+00.00		49+00.00		50+00.00		51+00.00																																																											



VDOT PROJECT NO. 0495-029-419
SHEET NO. 9C
AREA 2

APPROVED FOR CONSTRUCTION

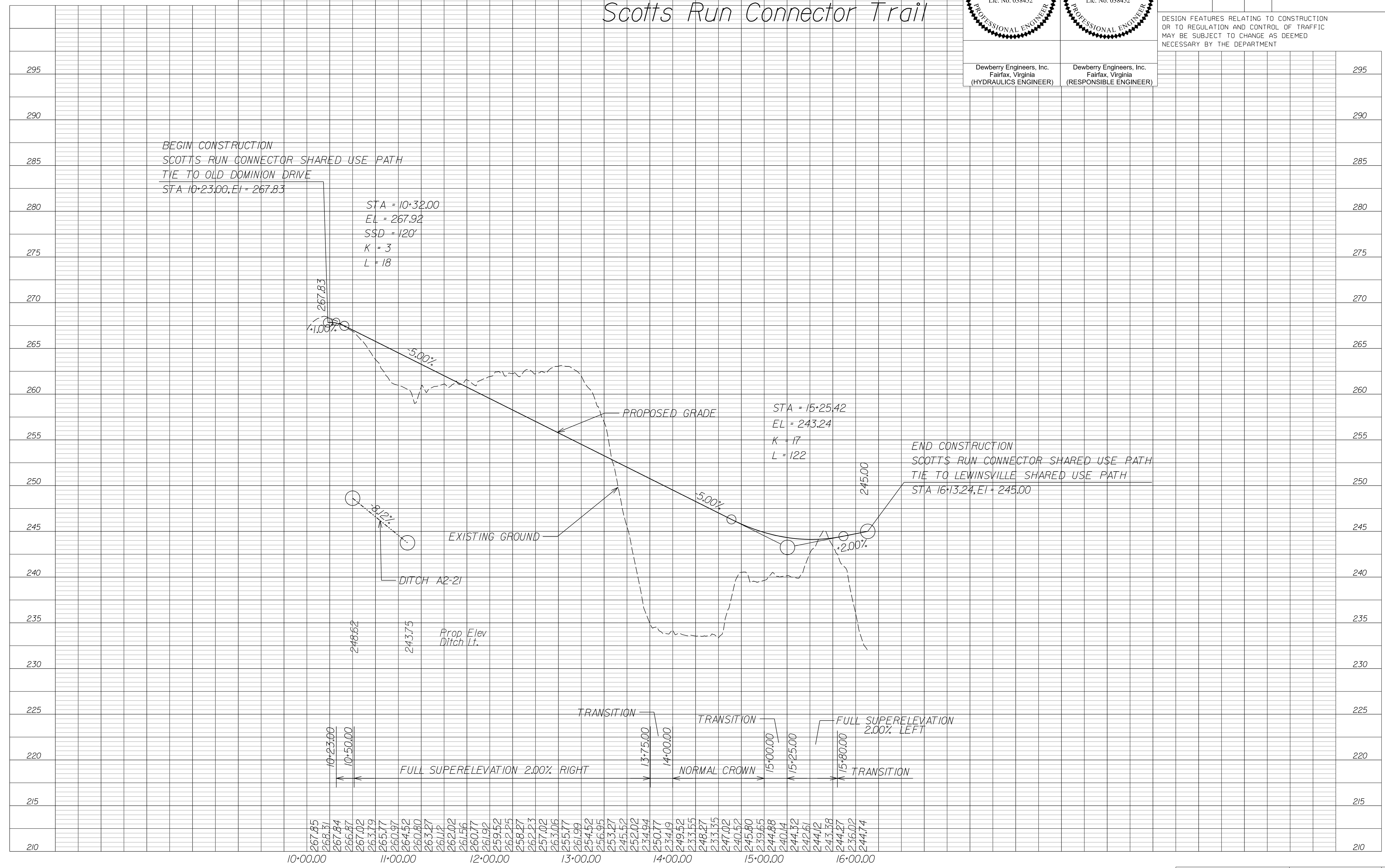
NOVA DISTRICT

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	9D AREA 2

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

Scotts Run Connector Trail



NOVA DISTRICT

12/16/2022

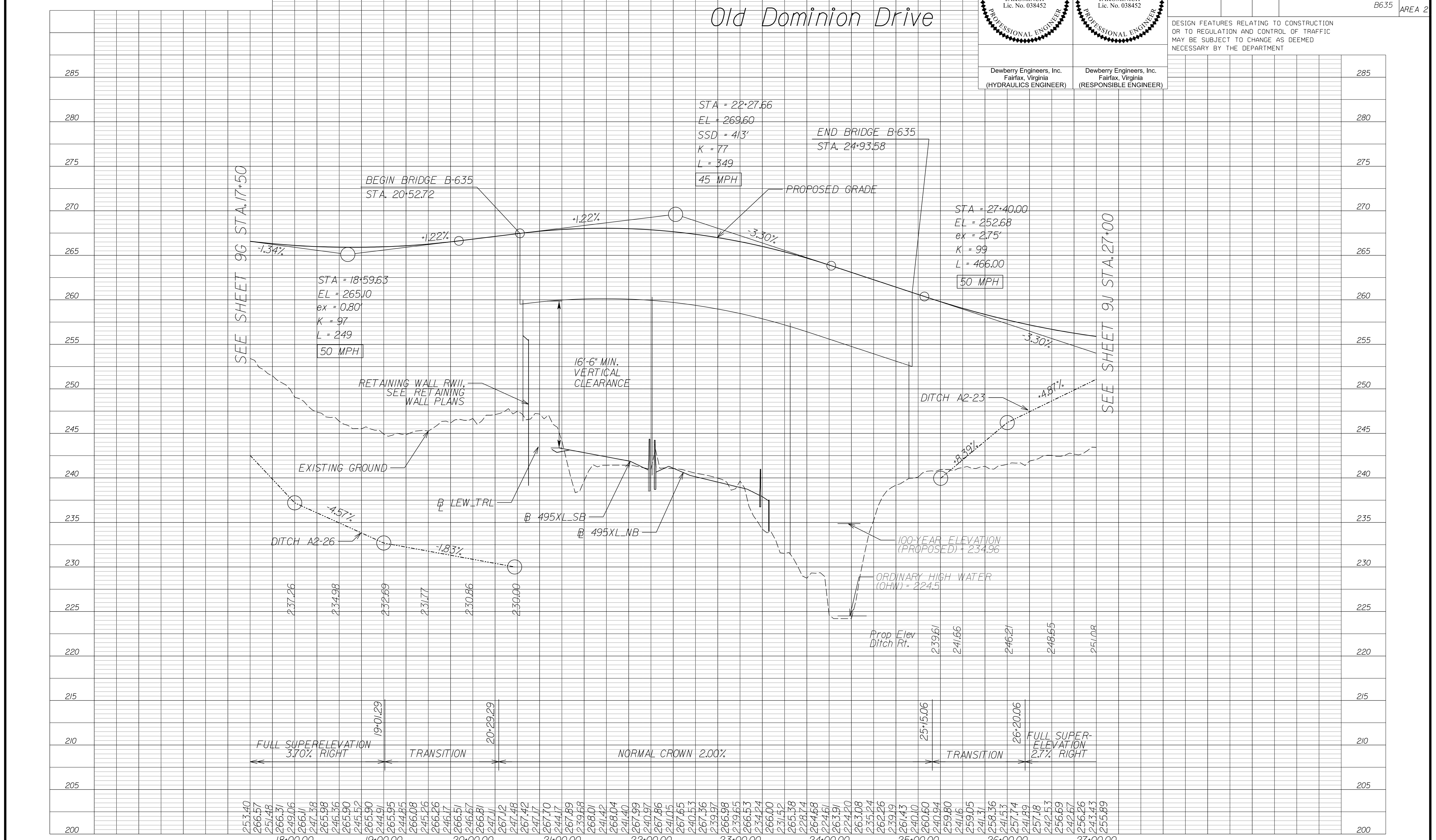
SCALE: HORIZ: 1"=50' VERT: 1"=5'
 VDOT PROJECT NO. 0495-029-419
 SHEET NO. 9D AREA 2

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, L.S. (703) 635-3060, 12/2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201 B635	9E AREA 2

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



NOVA DISTRICT

12/16/2022

SCALE HORIZ: 1"=50' VERT: 1"=5'
 VDOT PROJECT NO. 0495-029-419
 SHEET NO. 9E AREA 2

APPROVED FOR CONSTRUCTION

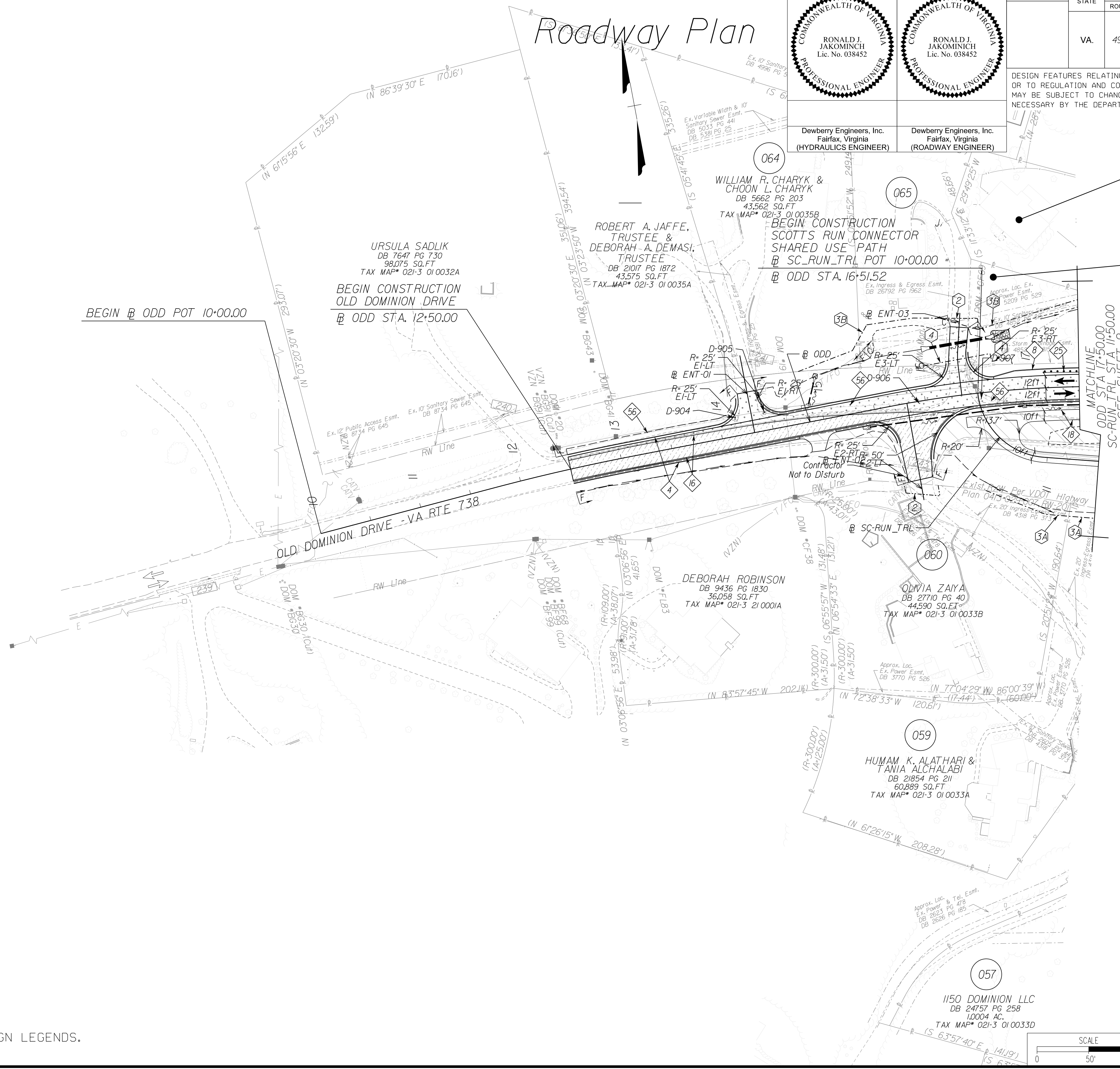
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugall's, L.S. (703) 334-0837, 12/2/2021
DESIGN BY, DATE RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2/2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA	495		0495-029-419 C501 RW201	9F AREA 2

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

Roadway Plan

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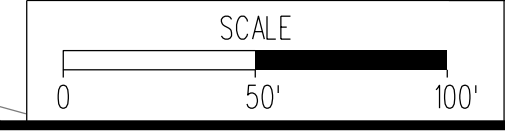
066
SUSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY, JR.
DB 9961 PG 1469
44,667 SQ.FT
TAX MAP* 021-3 01 0035

065
DACHAO RUAN & ANABELA NOGUEIRA DO ESPIRITO SANTO
DB 25704 PG 1317
39,205 SQ.FT
TAX MAP* 021-3 01 0035C

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	IG, IG(1)
Erosion Controls Ph1 & Ph2	IG(9), IW(9F)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	9FRW
Alignment Data Sheet	9F(1)
Profile Old Dominion Drive	9F

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



VDOT PROJECT NO.	SHEET NO.
0495-029-419	9F
	AREA 2

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

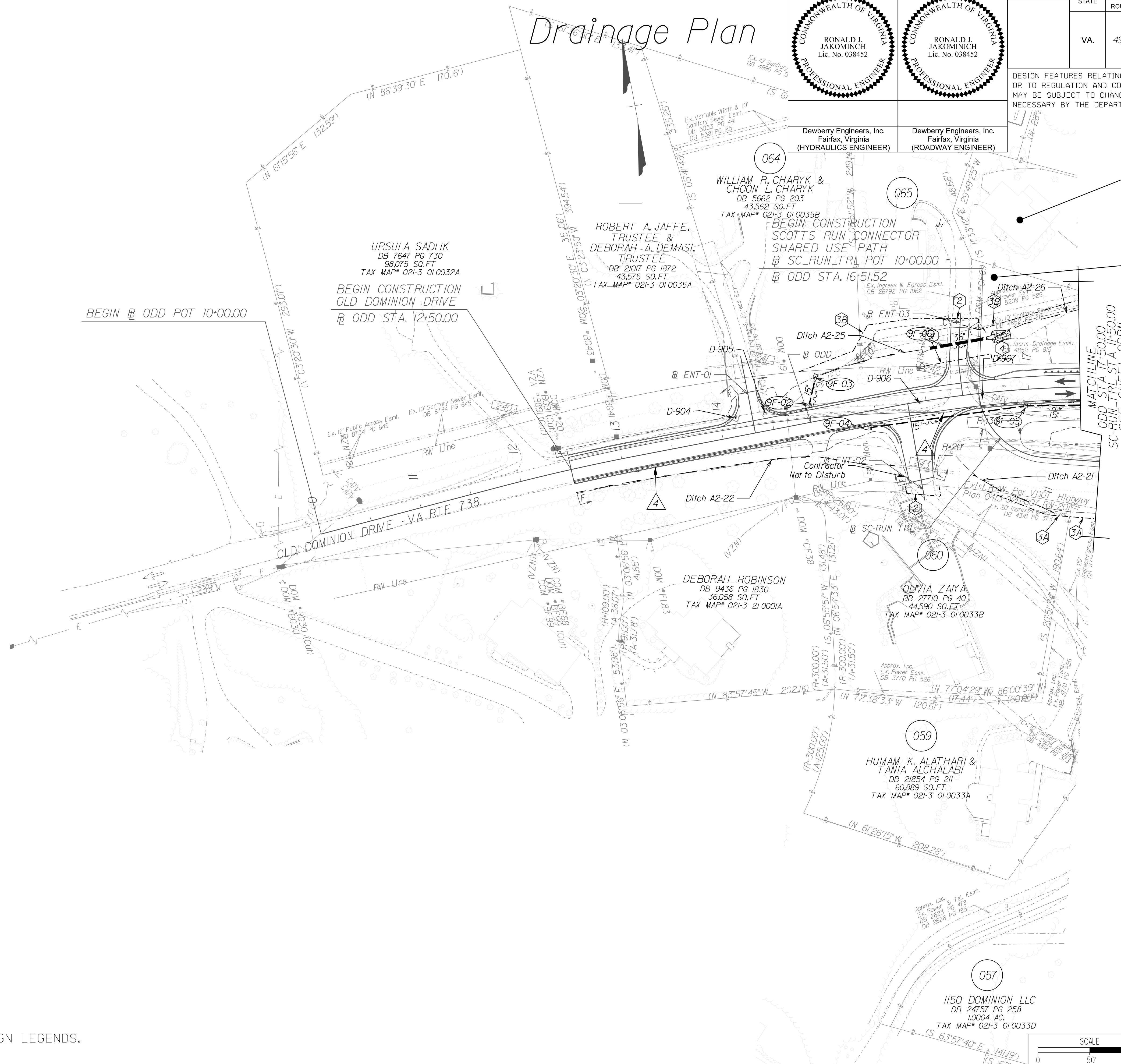
PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Dewberry - Ron Jakominich, P.E. (703) 849-0651
 Accumark - Michael Taylor, L.S. (703) 635-3060, 12/2021

 RONALD J. JAKOMINICH PROFESSIONAL ENGINEER Lic. No. 038452	 RONALD J. JAKOMINICH PROFESSIONAL ENGINEER Lic. No. 038452

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	9FDRN AREA 2

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

Drainage Plan



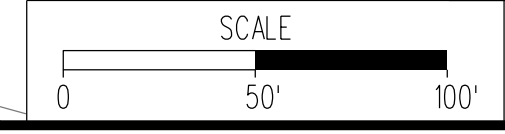
066
 SUSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY, JR.
 DB 9961 PG 1469
 44,667 SQ.FT
 TAX MAP* 021-3 01 0035

065
 DACHAO RUAN & ANABELA NOGUEIRA DO ESPIRITO SANTO
 DB 25704 PG 1317
 39,205 SQ.FT
 TAX MAP* 021-3 01 0035C

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

Survey Control Data Sheet	1F thru 1F(4)
Existing Drainage Descriptions	1F(5) thru 1F(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls Ph1 & Ph2	1N(9), 1M(9F)
Typical Sections	2A thru 2B(4)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	9F
Right of Way Plan Sheet	9FRW
Alignment Data Sheet	9F(1)
Profile Old Dominion Drive	9G

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.



VDOT PROJECT NO. 0495-029-419	SHEET NO. 9FDRN AREA 2
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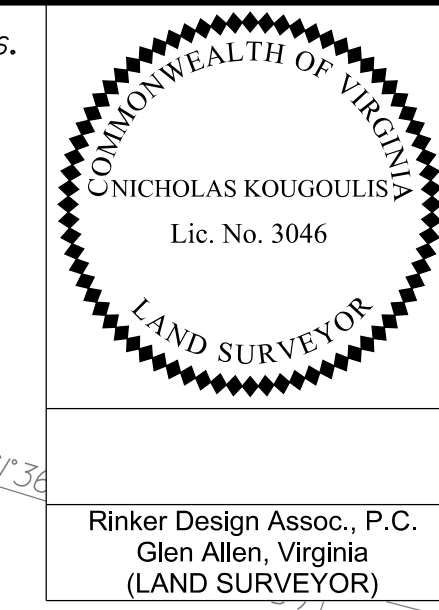
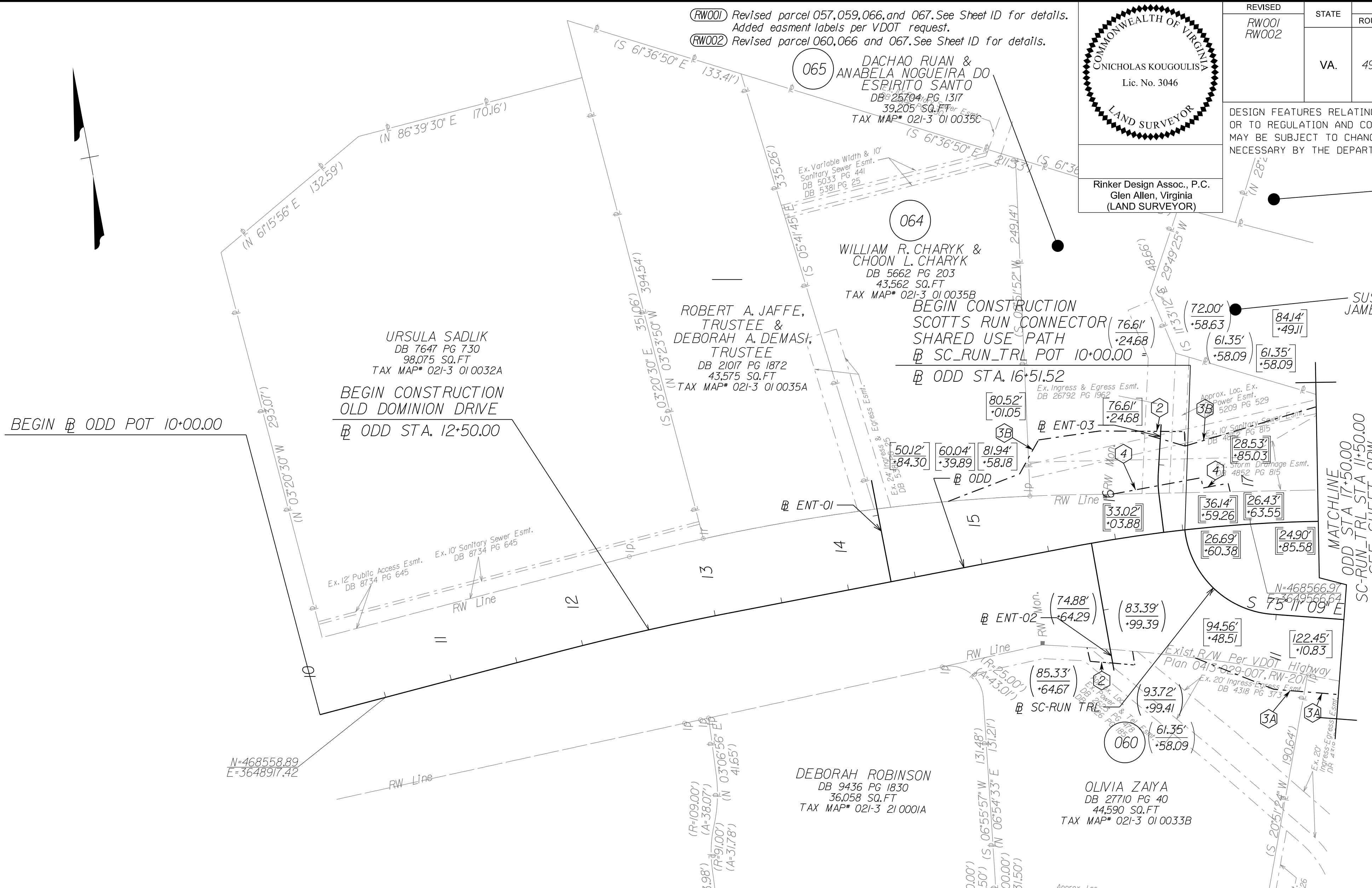
APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER VDOT - Bitrapal,Shob.PE,(703) 259-2362
 SURVEYED BY, DATE BDA - Nicholas.Kougoulis.LS,(703) 334-0837,1/2019
 DESIGN BY BDA - Darrell.Elscher.PE,(703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accumark - Michelle.Taylor.LS,(703) 635-3060,12/2021

Curve ODD-1
 PI = 12+42.31
 DELTA = 3° 51' 17.83" (RT)
 D = 2° 51' 53"
 T = 67.31'
 L = 134.56'
 R = 2,000.00'
 PC = 11+75.00
 PT = 13+09.56
 DESIGN SPEED = 45 MPH
 e = 4.2%
 Lr = 94'

Curve ODD-2
 PI = 17+48.87
 DELTA = 19° 31' 55.79" (RT)
 D = 5° 22' 11"
 T = 183.65'
 L = 363.74'
 R = 1,067.00'
 PC = 15+65.22
 PT = 19+28.96
 DESIGN SPEED = 45 MPH
 e = 3.70%
 Lr = 83'



Rinker Design Assoc., P.C.
 Glen Allen, Virginia
 (LAND SURVEYOR)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
RW001 RW002	VA.	495		0495-029-419 C501 RW201	9FRW AREA 2

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

SCOTT'S RUN HOMEOWNERS ASSOCIATION
 DB 5625 PG 1296
 545,905 SQ.FT
 TAX MAP# 021-3 12 A

SUSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY, JR.
 DB 9961 PG 1469
 44,667 SQ.FT
 TAX MAP# 021-3 010035

URSULA SADLIK
 DB 7647 PG 730
 98,075 SQ.FT
 TAX MAP# 021-3 010032A
 BEGIN CONSTRUCTION OLD DOMINION DRIVE @ ODD STA. 12+50.00

WILLIAM R. CHARYK & CHOON L. CHARYK
 DB 5662 PG 203
 43,562 SQ.FT
 TAX MAP# 021-3 010035B
 BEGIN CONSTRUCTION SCOTT'S RUN CONNECTOR SHARED USE PATH @ SC_RUN_TRL POT 10+00.00 @ ODD STA. 16+51.52

ROBERT A. JAFFE, TRUSTEE & DEBORAH A. DEMASI, TRUSTEE
 DB 2107 PG 1872
 43,575 SQ.FT
 TAX MAP# 021-3 010035A

DEBORAH ROBINSON
 DB 9436 PG 1830
 36,058 SQ.FT
 TAX MAP# 021-3 210001A

OLIVIA ZAIYA
 DB 27710 PG 40
 44,590 SQ.FT
 TAX MAP# 021-3 010033B

HUMAM K. ALATHARI & TANIA ALCHALABI
 DB 21854 PG 211
 60,889 SQ.FT
 TAX MAP# 021-3 010033A

1150 DOMINION LLC
 DB 24757 PG 258
 1,000+ AC.
 TAX MAP# 021-3 010033D

- GENERAL NOTES:
1. SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
 2. ALL AREAS SHOWN ARE APPROXIMATE ONLY.
 3. THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
 4. NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
 5. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
 6. NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
 7. THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
 8. MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

PROJECT ASSIGNED PARCEL NO.	APPROXIMATE AREAS										
	TOTAL ACRES	PROP. R/W SQ.FT.	FEE REMAINDER ACRES	AREA						EASEMENT	
				VDOT UTILITY SQ.FT.	DOM. ENERGY UTILITY SQ.FT.	PERMANENT		TEMP. CONSTR.			
						DRAINAGE SQ.FT.	DRAIN. SLOPE SQ.FT.	DRAIN. WALL SQ.FT.	SLOPE SQ.FT.	SLOPES SQ.FT.	ENTRANCES & PARKING LOTS SQ.FT.
057	1.000	-	1.000	-	-	-	-	-	-	85	-
059	1.398	-	1.398	-	936	782	-	-	-	-	-
060	1.024	-	1.024	-	-	761	-	-	-	-	333
064	1.000	-	1.000	-	-	-	593	-	-	-	-
065	0.900	-	0.900	455	-	-	14,847	-	-	-	195
066	1.025	-	1.025	-	3,314	-	8,540	-	-	-	-
067	12.532	3,621	12,449	-	871	-	30,089	-	1,786	-	-

LEGEND

IPF/IRF	EXISTING PROPERTY MARKER	00.00' / 12.34'	PROPOSED RIGHT-OF-WAY / LIMITED ACCESS	3C	DENOTES PROP. TEMP. CONSTR. EASE. FOR SLOPES
---	EXISTING PROPERTY LINE	00.00' / 12.34'	PROPOSED TEMPORARY EASEMENT	3D	DENOTES PROP. TEMP. CONSTR. EASE. FOR ENTRANCES & PARKING LOTS
---	EXISTING R/W LINE	00.00' / 12.34'	PROPOSED PERMANENT EASEMENT	4	DENOTES PROP. VDOT UTILITY EASE.
---	CONSTRUCTION BASELINE	00.00' / 12.34'	PROPOSED PERMANENT UTILITY EASEMENT	4A	DENOTES PROP. DOM. VZN, VDOT UTILITY EASE.
•	EXISTING PROPERTY MARKER	00.00' / 12.34'	PROPOSED PERMANENT UTILITY EASEMENT	4B	DENOTES PROP. DOM. ENERGY UTILITY EASE.
•	SET RM-2 (SEE NOTES)				

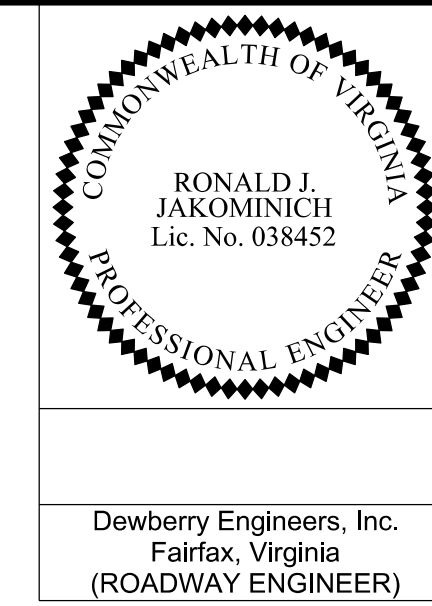
N=515309.05 VDOT PROJECT COORDINATES
 E=3361898.21

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	9FRW AREA 2

APP. FOR ROW

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugall's, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakomnich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Alignment Data

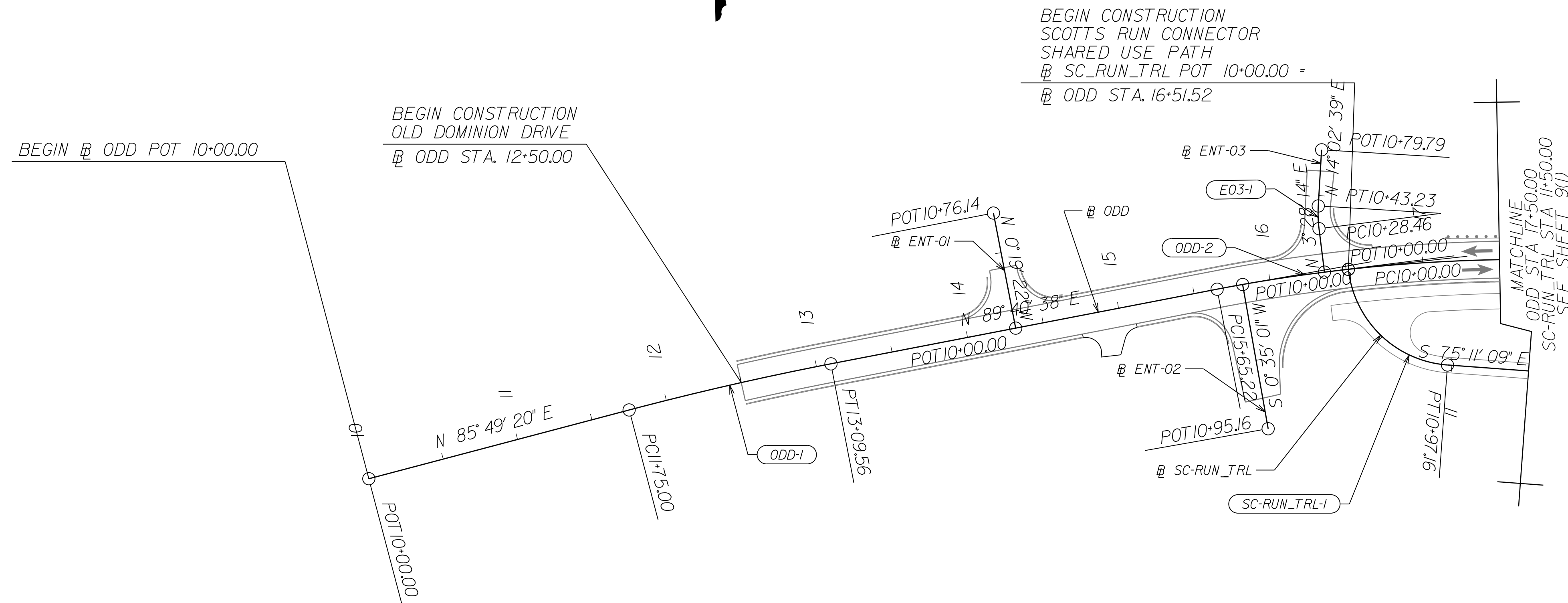


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	9F(1) AREA 2

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

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

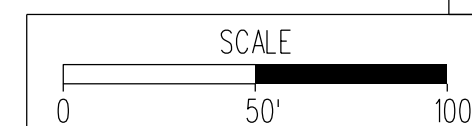
<p>Curve ODD-1 PI = 12+42.31 DELTA = 3° 51' 17.83" (RT) D = 2' 51" 53" T = 67.31' L = 134.56' R = 2,000.00' PC = 11+75.00 PT = 13+09.56 DESIGN SPEED = 45 MPH e = 4.2% Lr = 94'</p>	<p>Curve ODD-2 PI = 17+48.87 DELTA = 19° 31' 55.79" (RT) D = 5' 22" 11" T = 183.65' L = 363.74' R = 1,067.00' PC = 15+65.22 PT = 19+28.96 DESIGN SPEED = 45 MPH e = 3.70% Lr = 83'</p>	<p>Curve SC-RUN_TRL-1 PI = 10+58.25 DELTA = 79° 31' 41.62" (LT) D = 8' 51" 04" T = 58.25' L = 97.16' R = 70.00' PC = 10+00.00 PT = 10+97.16 DESIGN SPEED = 18 MPH e = 2.00% (NC) Lr = N/A</p>	<p>Curve E03-1 PI = 10+35.87 DELTA = 10° 34' 24.77" (RT) D = 7' 37" 11" T = 7.40' L = 14.76' R = 80.00' PC = 10+28.46 PT = 10+43.23</p>
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NOVA DISTRICT

12/16/2022

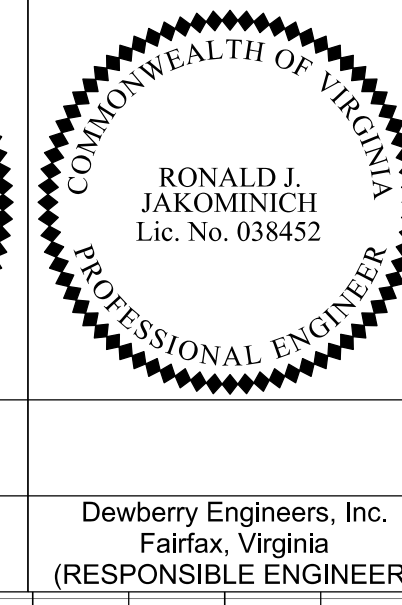
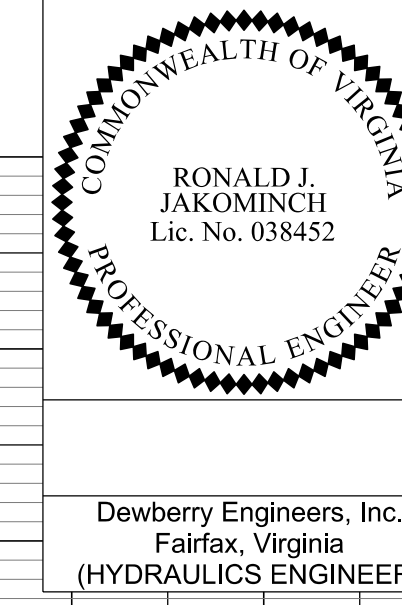
REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
 Roadway Plan Sheet 9F



VDOT PROJECT NO. 0495-029-419	SHEET NO. 9F(1) AREA 2
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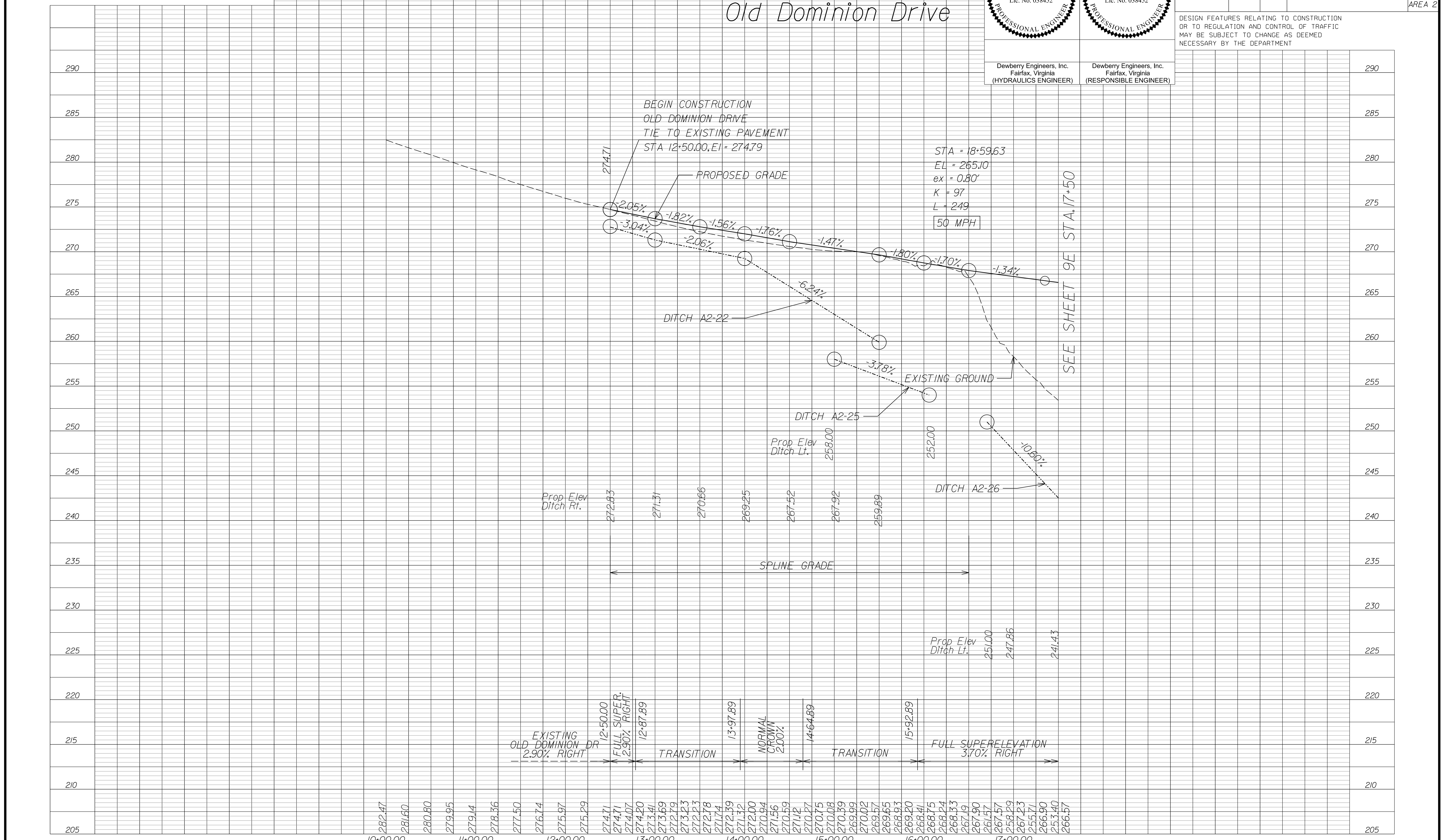
APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominich, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	96 AREA 2

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



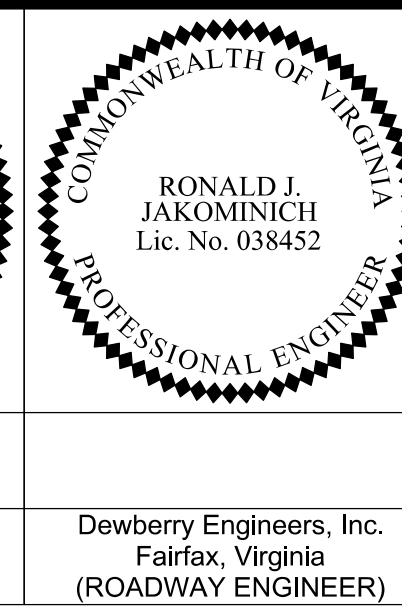
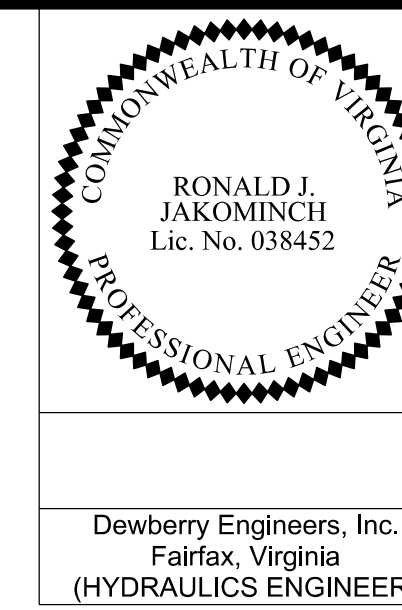
NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/20/21
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakominich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor, LS, (703) 635-3060, 12/20/21

Roadway Plan

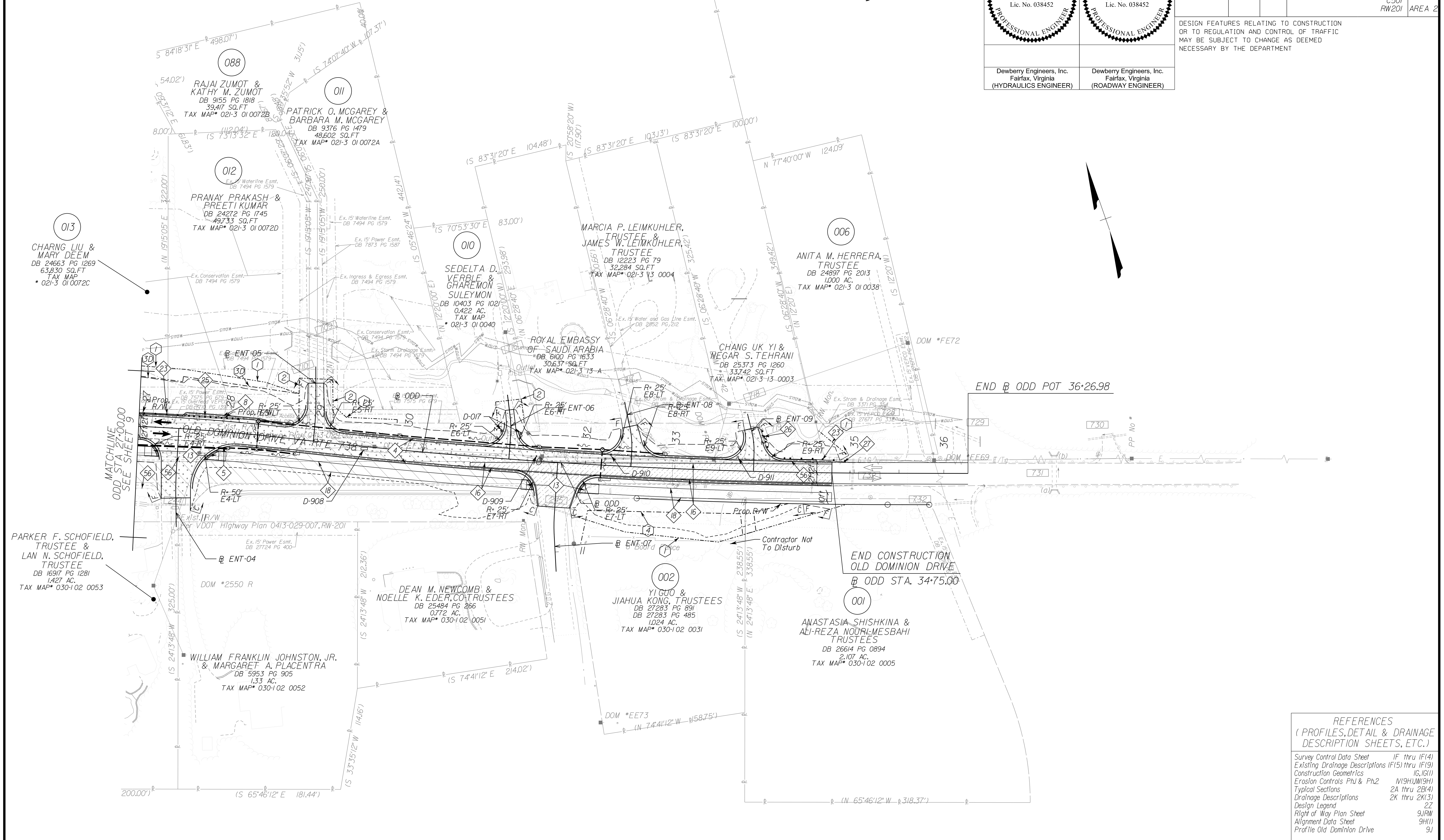


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 FE101 CS01 RW201	9H AREA 2

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

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)



NOVA DISTRICT

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

Survey Control Data Sheet	IF thru IF(4)
Existing Drainage Descriptions	IF(5) thru IF(9)
Construction Geometrics	IG, IG(1)
Erosion Controls Ph1 & Ph2	M(9H), W(9H)
Typical Sections	2A thru 2B(4)
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Right of Way Plan Sheet	9J/RW
Alignment Data Sheet	9H(1)
Profile Old Dominion Drive	9J

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	9H AREA 2

APPROVED FOR CONSTRUCTION

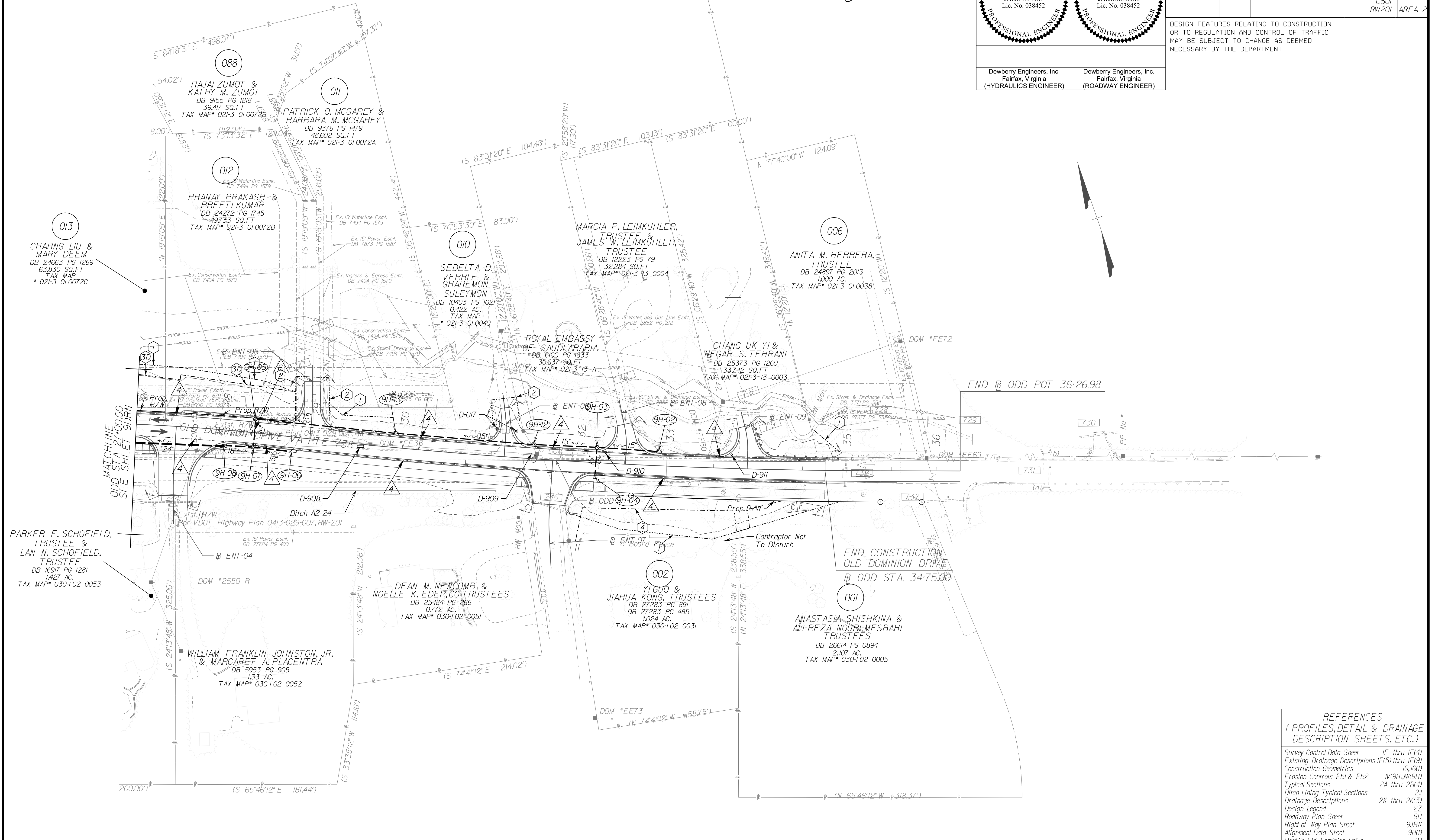
PROJECT MANAGER VDOT - Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS, (703) 334-0837, 12/20/21
 DESIGN BY RDA - Darrell Fischer, PE, (703) 334-0823
 Dewberry - Ron Jakominich, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE Accurack - Michael Taylor, LS, (703) 635-3060, 12/20/21

Drainage Plan

Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 FE101 CS01 RW201	9HDRN AREA 2

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



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

Survey Control Data Sheet	1F thru 1F(4)
Existing Drainage Descriptions	1F(5) thru 1F(9)
Construction Geometrics	1G, 1G(1)
Erosion Controls Ph1 & Ph2	1(9H), 1(9H)
Typical Sections	2A thru 2B(4)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K thru 2K(3)
Design Legend	2Z
Roadway Plan Sheet	9H
Right of Way Plan Sheet	9JRW
Alignment Data Sheet	9H(1)
Profile Old Dominion Drive	9J

NOTE:
 SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

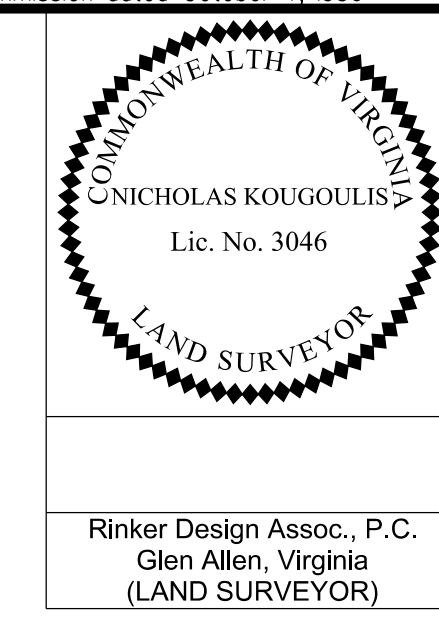
SCALE 0 50' 100'	VDOT PROJECT NO. 0495-029-419	SHEET NO. 9HDRN AREA 2
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APPROVED FOR CONSTRUCTION

NOVA DISTRICT

PROJECT MANAGER_VDOT - Bitrapal,Shob,PE,(703) 259-2362
 SURVEYED BY, DATE_BDA - Nicholas, Kougoulis,LS,(703) 334-0837,1/2019
 DESIGN BY_BDA - Darrell Elischer, PE,(703) 334-0823
 SUBSURFACE UTILITY BY, DATE_Accumark - Mitchell,Taylor,LS,(703) 635-3060,12/2021

PROJECT ASSIGNED PARCEL NO.	APPROXIMATE AREAS									
	AREA				EASEMENT					
	TOTAL ACRES	PROP. R/W SQ.FT.	FEE REMAINDER ACRES	VDOT UTILITY SQ.FT.	PERMANENT			TEMP.CONSTR.		
				DRAINAGE SQ.FT.	DRAIN.SLOPE SQ.FT.	DRAIN.WALL SQ.FT.	SLOPE SQ.FT.	SLOPES SQ.FT.	ENTRANCES SQ.FT.	
001	2.07	1,214	2.079	553	-	-	-	-	1,970	-
002	1.024	296	1.017	3,109	-	-	-	-	7,056	-
006	1.000	-	1.000	-	-	-	-	-	353	-
010	0.422	-	0.422	-	-	-	-	-	-	745
011	1.116	-	1.116	-	-	-	-	-	480	855
012	1.142	733	1.125	-	-	-	-	5,522	1,075	571
013	1.465	1,826	1.423	-	-	-	-	6,862	1,490	-
088	0.905	-	0.905	-	-	-	-	-	445	-

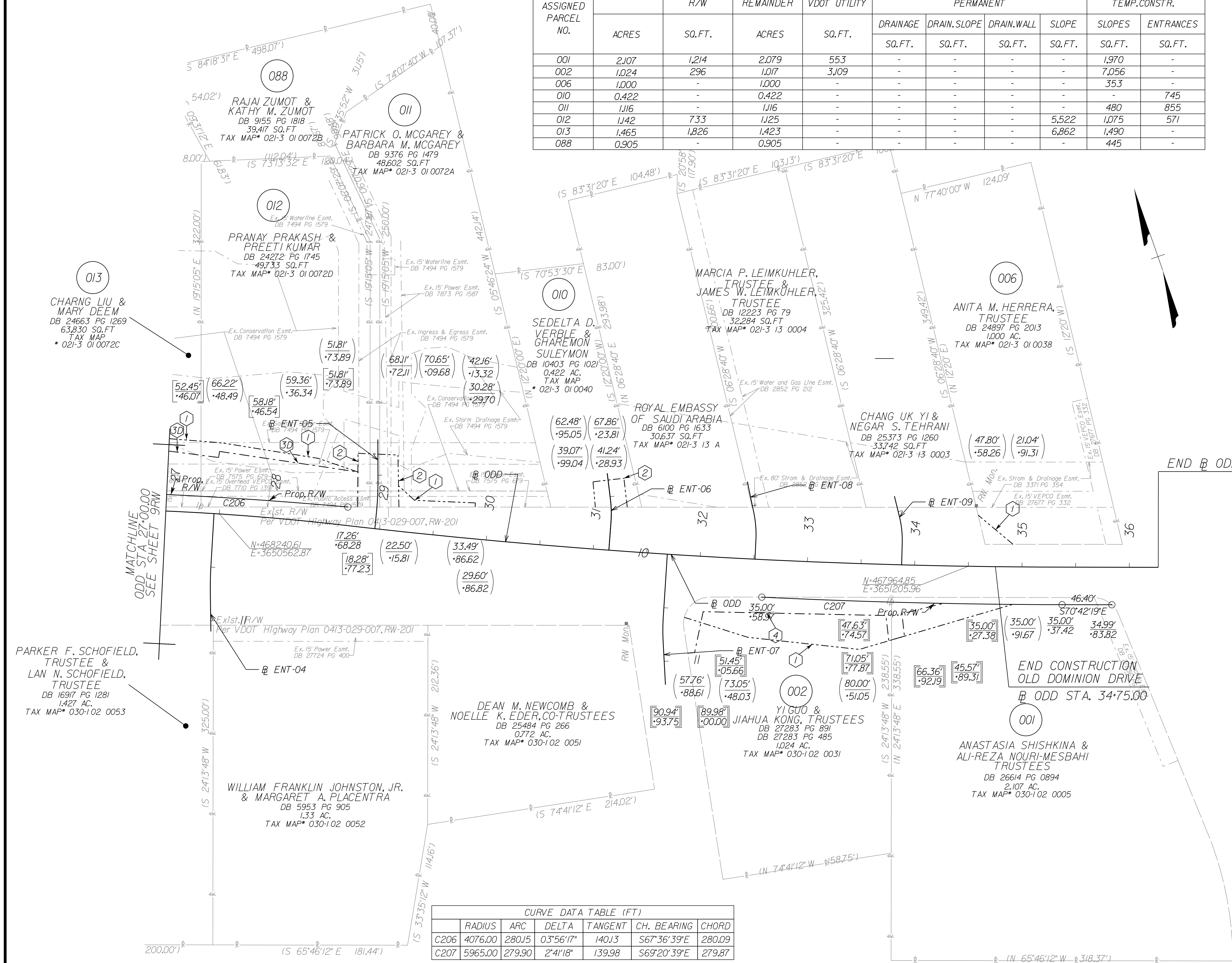


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
RW001 RW002	VA	495		0495-029-419 C501 RW201	9HRW AREA 2

Rinker Design Assoc., P.C.
 Glen Allen, Virginia
 (LAND SURVEYOR)

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

(RW001) Revised parcels 001,002, and 011. See Sheet ID for details.
 Added easment labels per VDOT request.
 (RW002) Revised parcel 001. See Sheet ID for details.



Curve ODD-3
 PI = 27-32.83
 DELTA = 6° 35' 45.86" (RT)
 D = 2' 29' 12"
 T = 132.77'
 L = 265.24'
 R = 2,304.00'
 PC = 26° 00.06'
 PRC = 28° 65.31'
 DESIGN SPEED = 45 MPH
 e = 2.70%
 Lr = 60'

Curve ODD-4
 PI = 32° 01.72'
 DELTA = 6° 29' 38.26" (LT)
 D = 0' 57' 58"
 T = 336.42'
 L = 672.11'
 R = 5,930.00'
 PRC = 28° 65.31'
 PT = 35° 37.42'
 DESIGN SPEED = 45 MPH
 e = NC
 Lr = N/A

LEGEND

IPF / IRF	EXISTING PROPERTY MARKER	00.00' / 12.34'	PROPOSED RIGHT-OF-WAY / LIMITED ACCESS
---	EXISTING PROPERTY LINE	(00.00') / (12.34')	PROPOSED TEMPORARY EASEMENT
---	EXISTING R/W LINE	[00.00']	PROPOSED PERMANENT EASEMENT
---	CONSTRUCTION BASELINE	(12.34) / 00.00'	PROPOSED PERMANENT UTILITY EASEMENT
•	EXISTING PROPERTY MARKER	[00.00'] / (12.34)	PROPOSED PERMANENT UTILITY EASEMENT
•	SET RM-2 (SEE NOTES)		N=515309.05 VDOT PROJECT E=3361898.21 COORDINATES

- GENERAL NOTES:
- SAID PROPERTY LINES ARE BEST FIT BASED ON COMPILED DATA AND DO NOT REPRESENT A BOUNDARY SURVEY.
 - ALL AREAS SHOWN ARE APPROXIMATE ONLY.
 - THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY HEREON.
 - NONE OF THE PROPERTY'S PHYSICAL IMPROVEMENTS ARE SHOWN HEREON.
 - NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAN SHEET.
 - NO CEMETERY SITES WERE OBSERVED ON THE SUBJECT PROPERTY. THIS DOES NOT PRECLUDE THEIR EXISTENCE.
 - THE SURVEY DATUM IS BASED ON THE TITLED VDOT PROJECT.
 - MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.
- 1 DENOTES PROP.TEMP. CONSTR.EASE.FOR SLOPES
 - 2 DENOTES PROP.TEMP.CONSTR. EASE.FOR ENTRANCES & PARKING LOTS
 - 3A DENOTES PROP.PERM. DRAINAGE EASE.
 - 3B DENOTES PROP.PERM. DRAINAGE SLOPE EASE.
 - 3C DENOTES PROP.PERM. DRAINAGE WALL EASE.
 - 3D DENOTES PROP.PERM. SLOPE EASE.
 - 4 DENOTES PROP.VDOT UTILITY EASE.

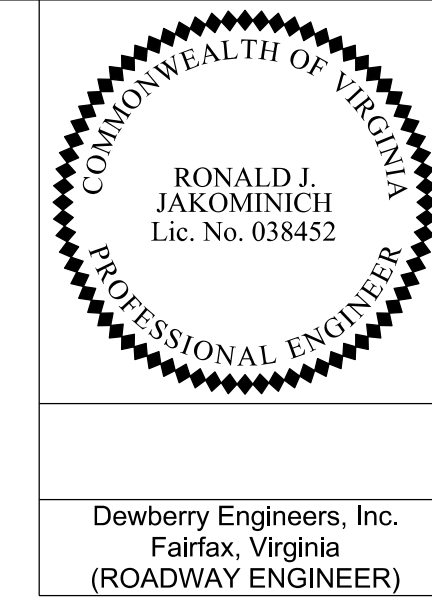
CURVE DATA TABLE (FT)

CURVE	RADIUS	ARC	DELTA	TANGENT	CH. BEARING	CHORD
C206	4076.00	280.15	03° 56' 17"	140.13	S67° 36' 39"E	280.09
C207	5965.00	279.90	2° 41' 18"	139.98	S69° 20' 39"E	279.87

APP. FOR ROW

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE RDA - Nicholas Kougoullis, L.S. (703) 334-0837, 12/2021
 DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
 SUBSURFACE UTILITY BY, DATE Accurmark - Michael Taylor, L.S. (703) 635-3060, 12/2021

Alignment Data



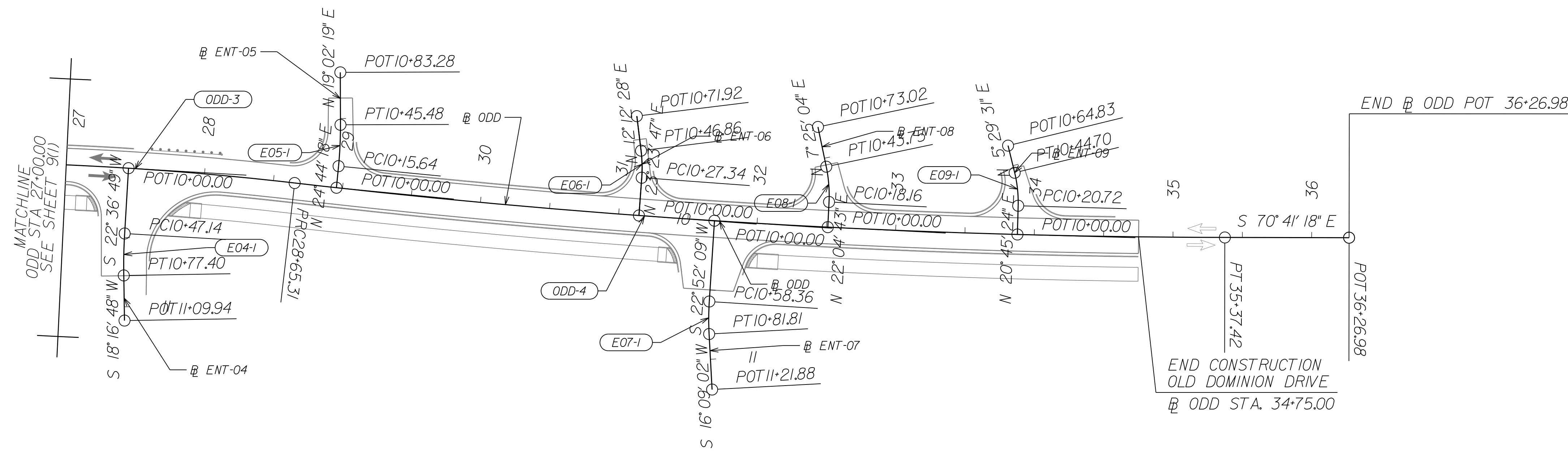
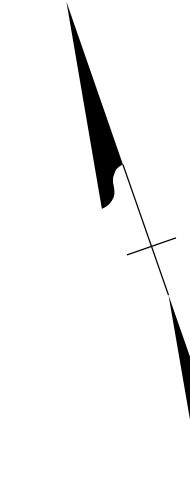
Dewberry Engineers, Inc.
 Fairfax, Virginia
 (ROADWAY ENGINEER)

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	9H(1) AREA 2

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

Curve E04-1 PI = 10+62.28 DELTA = 4° 20' 01.07" (LT) D = 14' 19' 26" T = 15.13' L = 30.25' R = 400.00' PC = 10+47.14 PT = 10+77.40	Curve E05-1 PI = 10+30.57 DELTA = 5° 41' 59.35" (LT) D = 19' 05' 55" T = 14.93' L = 29.84' R = 300.00' PC = 10+15.64 PT = 10+45.48	Curve E06-1 PI = 10+37.13 DELTA = 11° 11' 19.07" (LT) D = 57' 17' 45" T = 9.80' L = 19.53' R = 100.00' PC = 10+27.34 PT = 10+46.86	Curve E07-1 PI = 10+70.10 DELTA = 6° 43' 07.06" (LT) D = 28' 38' 52" T = 11.74' L = 23.45' R = 200.00' PC = 10+58.36 PT = 10+81.81	Curve E08-1 PI = 10+31.03 DELTA = 14° 39' 38.80" (LT) D = 57' 17' 45" T = 12.86' L = 25.59' R = 100.00' PC = 10+18.16 PT = 10+43.75	Curve E09-1 PI = 10+32.78 DELTA = 15° 15' 52.98" (LT) D = 63' 39' 43" T = 12.06' L = 23.98' R = 90.00' PC = 10+20.72 PT = 10+44.70
--	--	--	--	---	--

Curve ODD-3 PI = 27+32.83 DELTA = 6° 35' 45.86" (RT) D = 2' 29' 12" T = 132.77' L = 265.24' R = 2,304.00' PC = 26+00.06 PRC = 28+65.31 DESIGN SPEED = 45 MPH e = 2.70% Lr = 60'	Curve ODD-4 PI = 32+01.72 DELTA = 6° 29' 38.26" (LT) D = 0' 57' 58" T = 336.42' L = 672.11' R = 5,930.00' PRC = 28+65.31 PT = 35+37.42 DESIGN SPEED = 45 MPH e = NC Lr = N/A
--	---

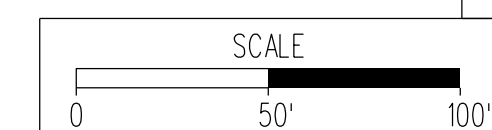


NOVA DISTRICT

12/16/2022

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

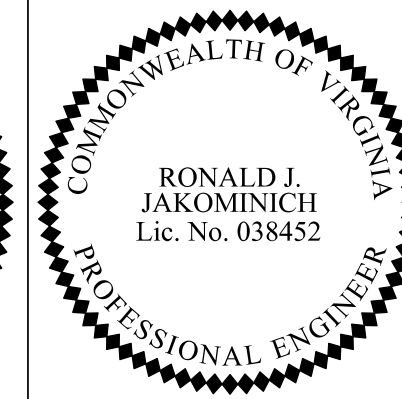
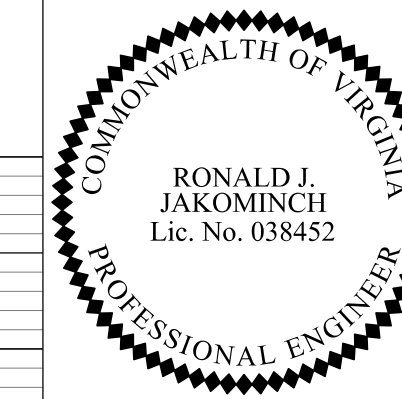
Roadway Plan Sheet 9H



VDOT PROJECT NO. 0495-029-419	SHEET NO. 9H(1) AREA 2
----------------------------------	------------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT - Rupal Shah, P.E. (703) 259-2362
 SURVEYED BY, DATE_RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
 DESIGN BY_RDA - Darrell Fischer, P.E. (703) 334-0823
 Dewberry - Ron Jakominch, P.E. (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumack - Michael Taylor, LS (703) 635-3060, 12/2021



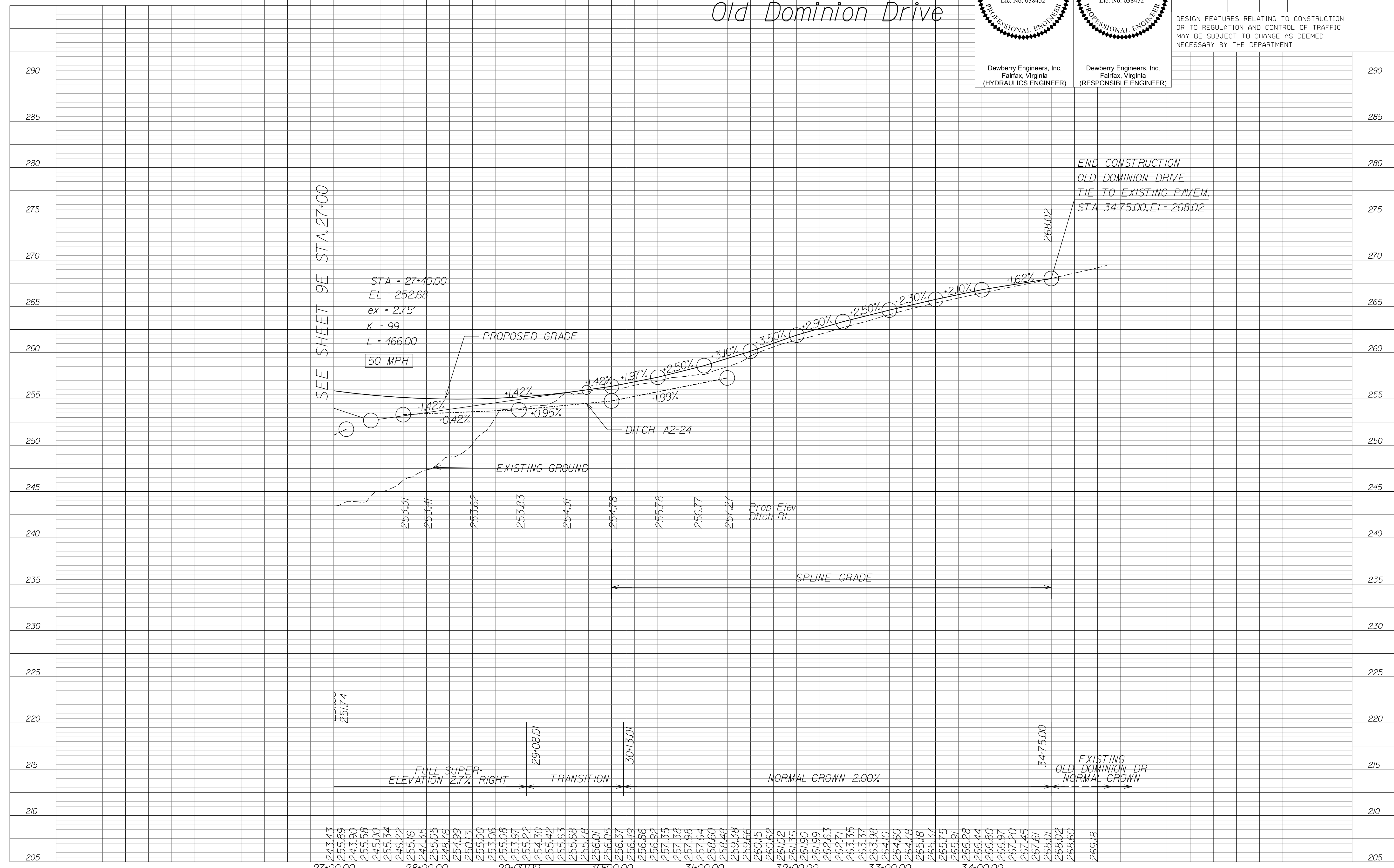
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 C501 RW201	9J AREA 2

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (HYDRAULICS ENGINEER)

Dewberry Engineers, Inc.
 Fairfax, Virginia
 (RESPONSIBLE ENGINEER)

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

Old Dominion Drive



END CONSTRUCTION
 OLD DOMINION DRIVE
 TIE TO EXISTING PAVEM.
 STA 34+75.00, EI = 268.02

SEE SHEET 9E STA. 27+00

STA = 27+40.00
 EL = 252.68
 ex = 2.75'
 K = 99
 L = 466.00
 50 MPH

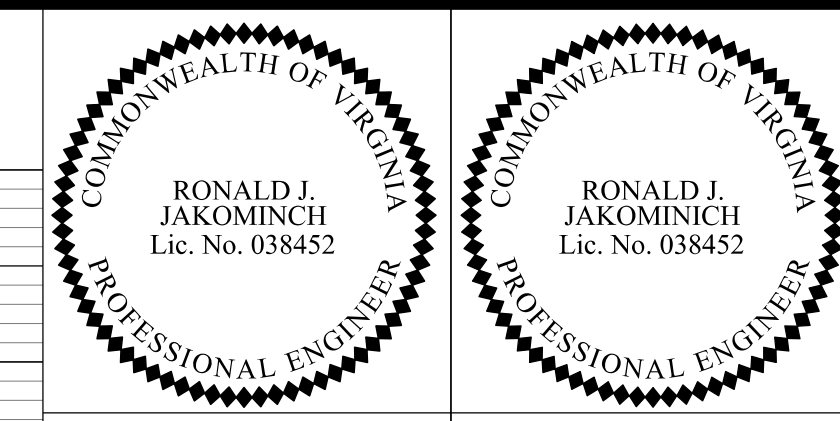
NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER VDOT - Rupal Shah, P.E. (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis, LS (703) 334-0837, 12/2021
DESIGN BY RDA - Darrell Fischer, P.E. (703) 334-0823
SUBSURFACE UTILITY BY, DATE Accumack - Michael Taylor, LS (703) 635-3060, 12/2021

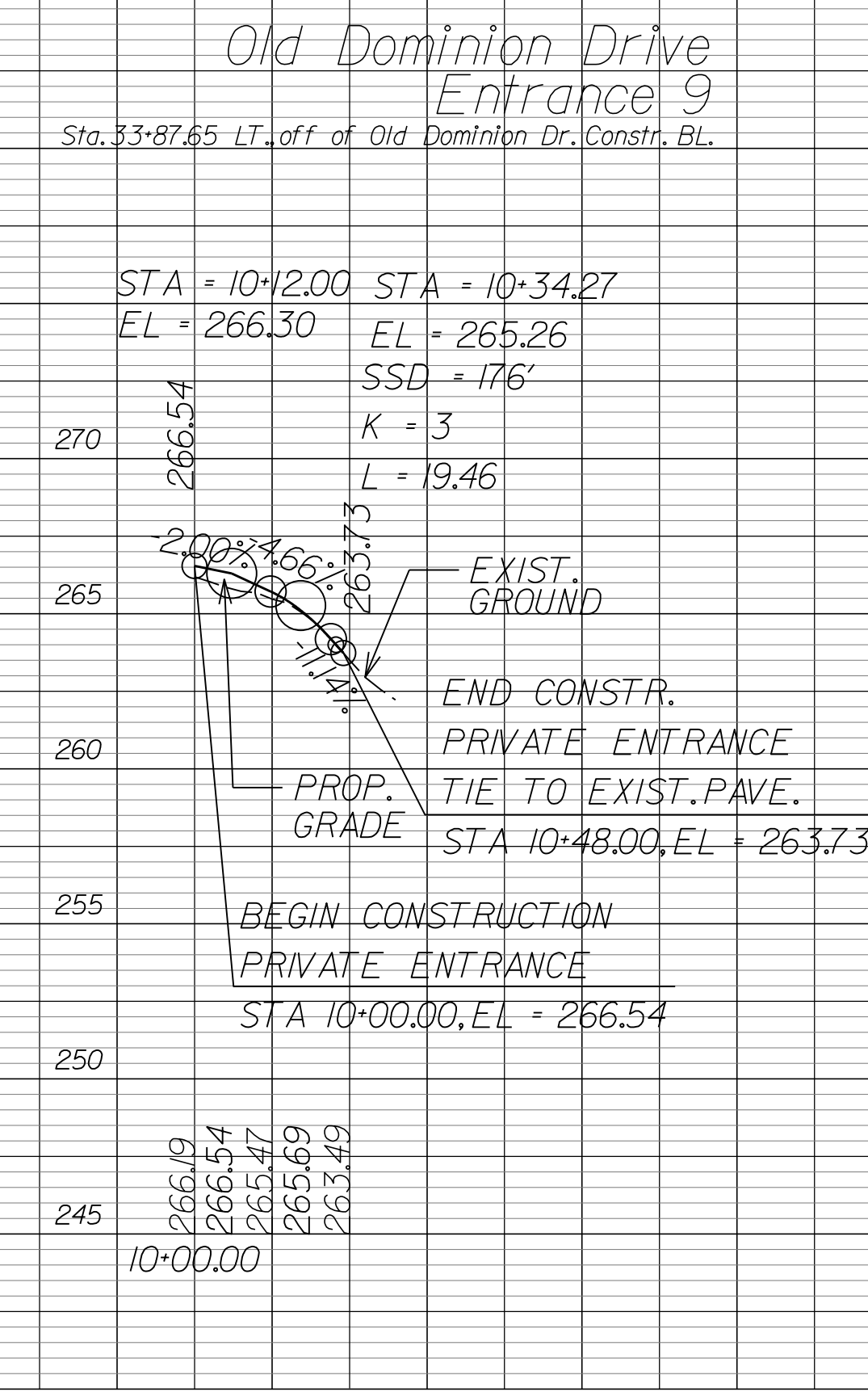
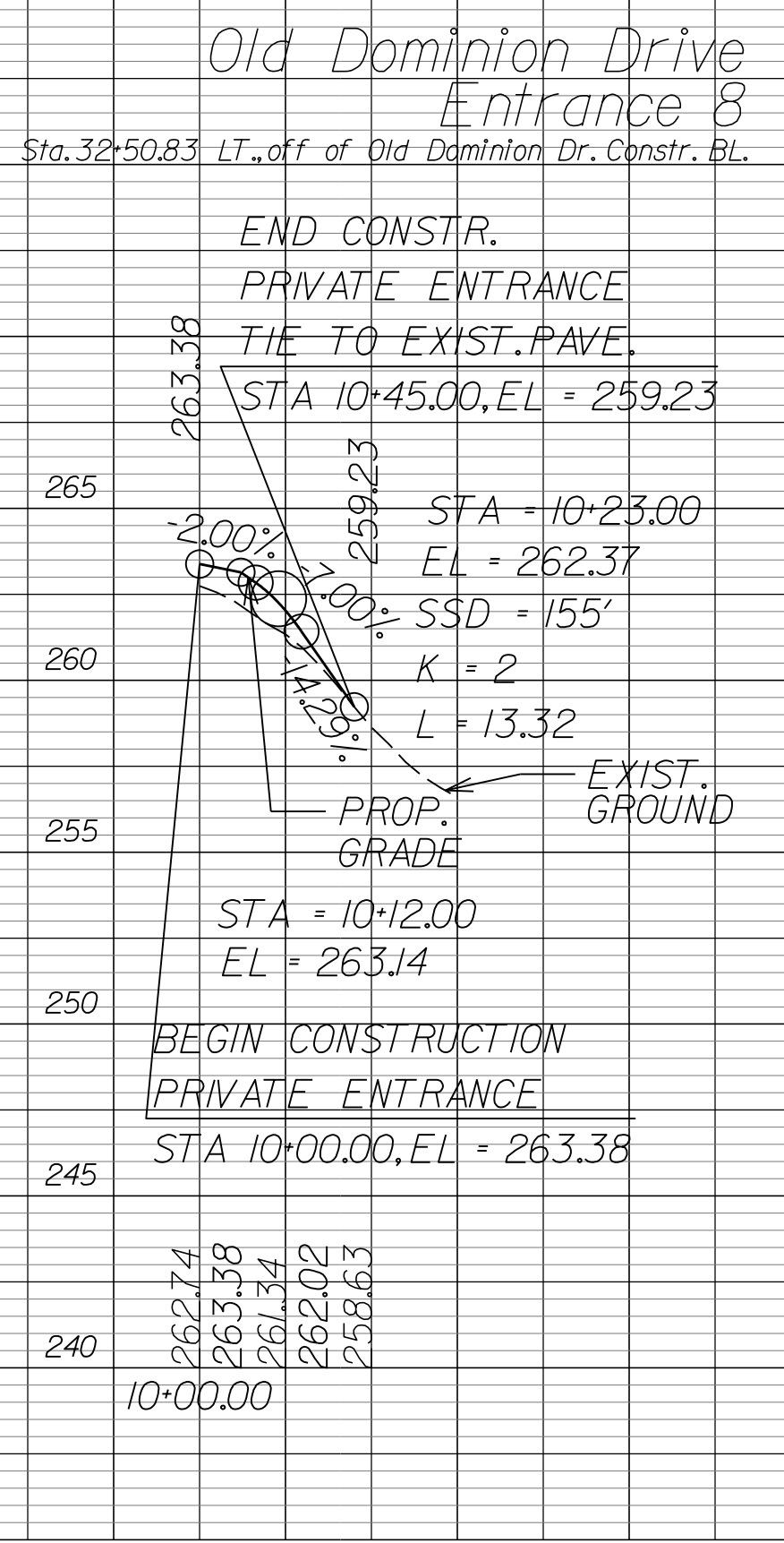
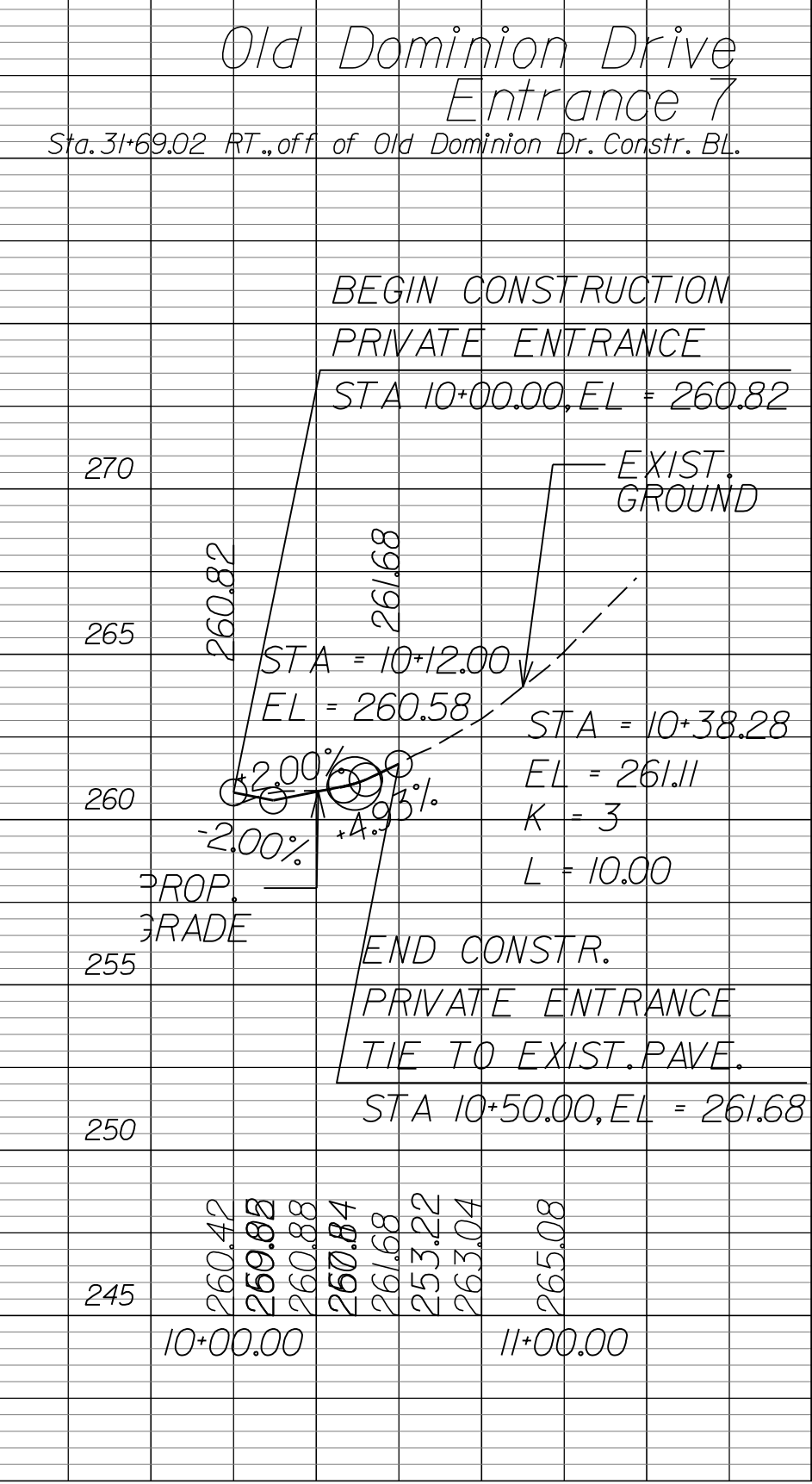
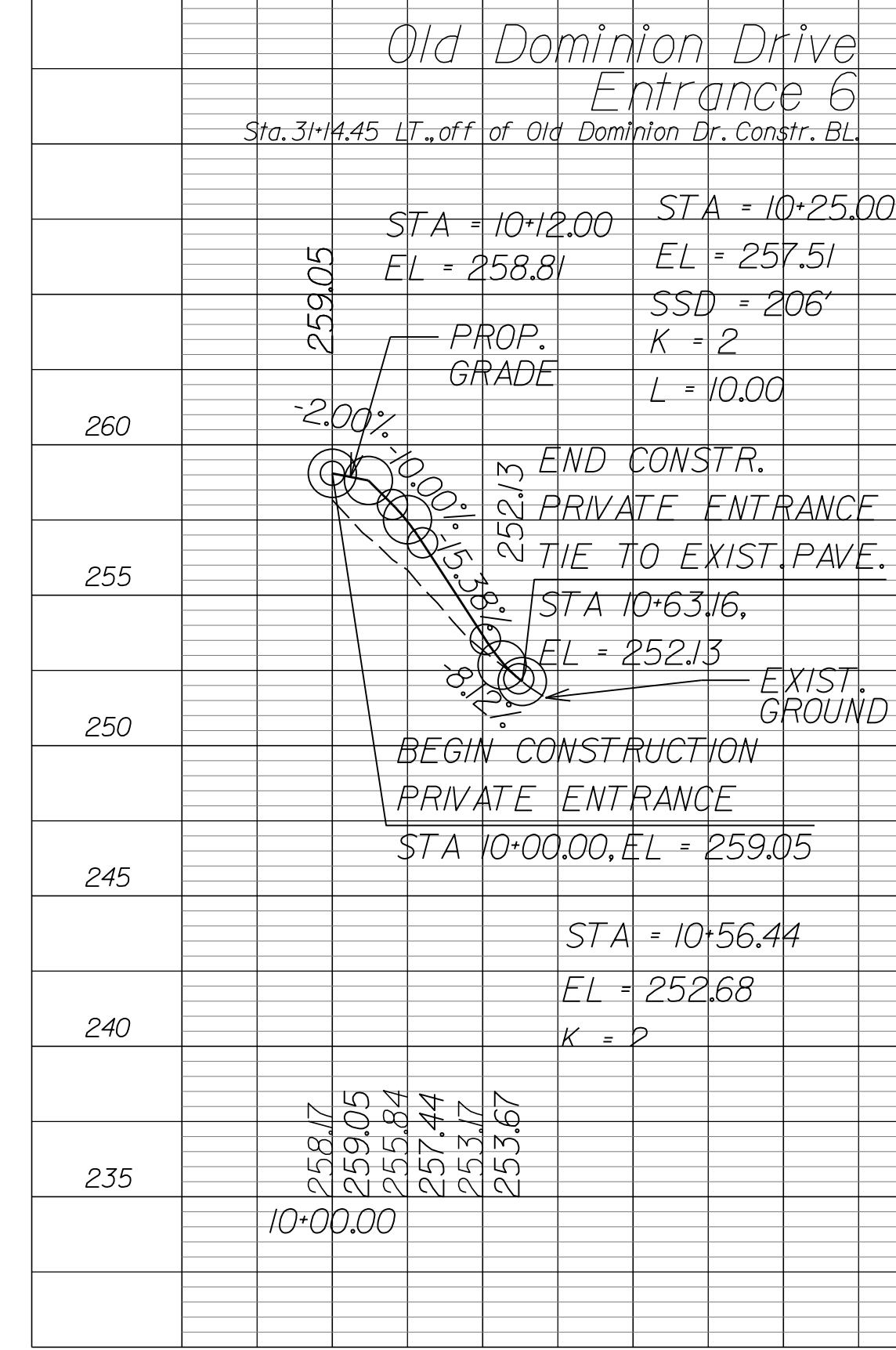
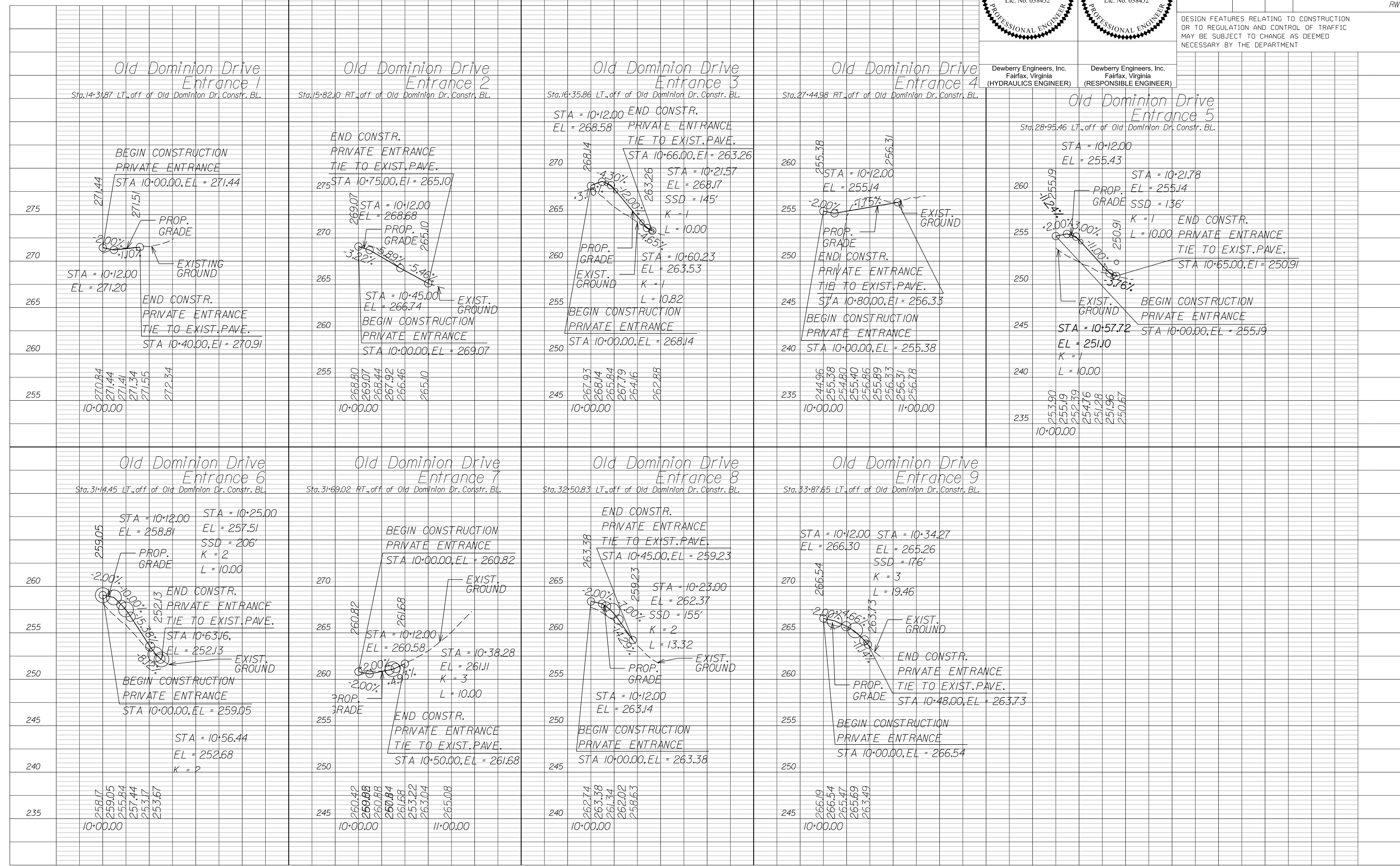
Old Dominion Drive Private Entrances



REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	495	0495-029-419 PE/01 CS/01 RW/201	9K AREA 2

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

Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)
Dewberry Engineers, Inc. Fairfax, Virginia (RESPONSIBLE ENGINEER)



NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER_VDOT -> Rupal Shah, PE, (703) 259-2362
 SURVEYED BY, DATE_RDA -> Nicholas Kougaull's LS, (703) 334-0837, 12/2021
 DESIGN BY_RDA -> Darrell Fischer, PE, (703) 334-0823
 Dewberry -> Ron Jakomlitch, PE, (703) 849-0651
 SUBSURFACE UTILITY BY, DATE_Accumark -> Michael Taylor, LS, (703) 635-3060, 12/2021



COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
 STATE HIGHWAY

I-495 EXPRESS LANES (NEXT)
 AREA 2

Cross Section Sheet Index

I-495 XL NB Sta. 567+50.00 to Sta. 615+00.00	X2-X35
I-495 GP NB Sta. 1071+00.00 to Sta. 1092+43.06	X36-X51
I-495 XL SB Sta. 192+00.00 to Sta. 212+00.00	X52-X69
DTR Ramp EI Sta. 44+00.00 to Sta. 49+77.18	X70-X74
DTR Ramp GIO Sta. 18+50.00 to Sta. 25+63.54	X75-X80
Lewinsville Trail Sta. 09+59.91 to Sta. 49+50.00	X81-X110
Scotts Run Trail Sta. 10+50.00 to Sta. 16+13.24	X111-X114
Old Dominion Drive Sta. 12+00.00 to Sta. 35+00.00	X115-X129
Lewinsville Road Sta. 10+50.00 to Sta. 22+00.00	X130-X134

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	495		0495-029-419 C501 RW201	X1 AREA 2

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

NOVA DISTRICT

12/16/2022

VDOT PROJECT NO. 0495-029-419	SHEET NO. X1 AREA 2
----------------------------------	---------------------------

APPROVED FOR CONSTRUCTION

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

CROSS SECTIONS

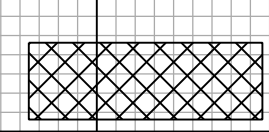
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE		STATE PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X2

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Begin Construction I-495 XL NB Station 567+00.00
I-495 XL NB Station 567+50.00 To Station 567+50.00

150	
PROJECT	SHEET NO.
0495-029-419	X2

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougioulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougioulis LS(703) 334-0837, 1/2019

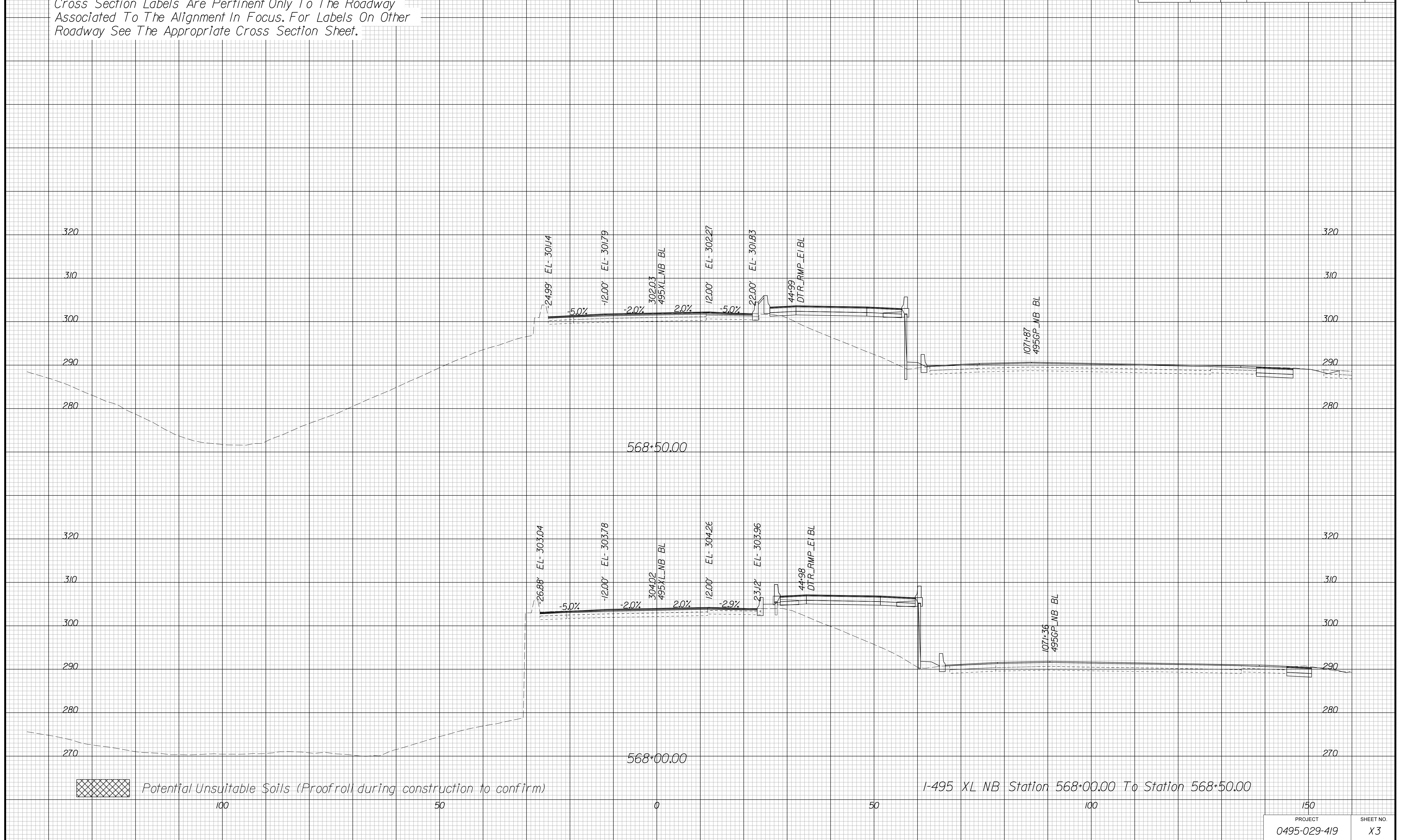
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X3

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

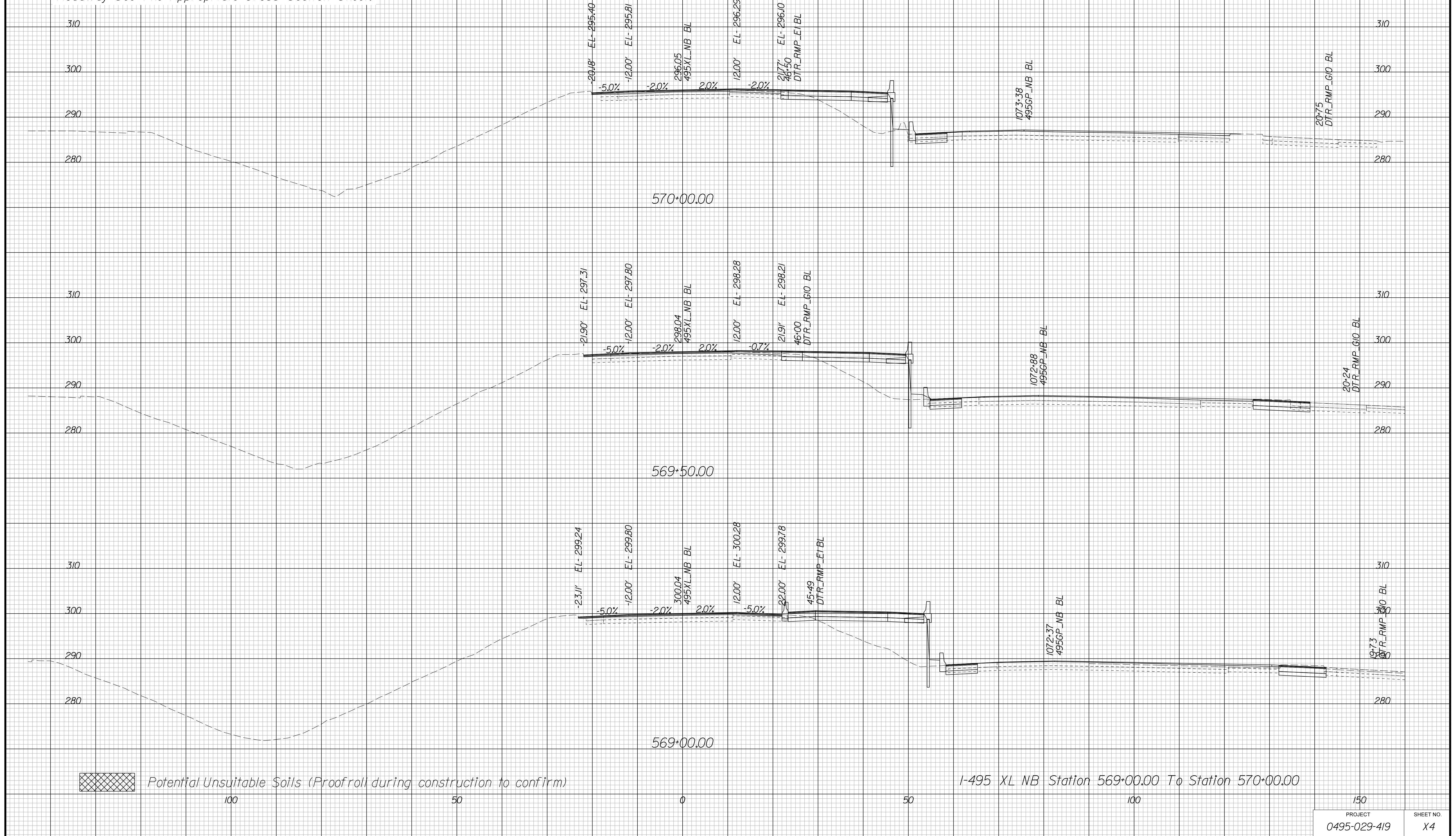
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X4

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471 Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

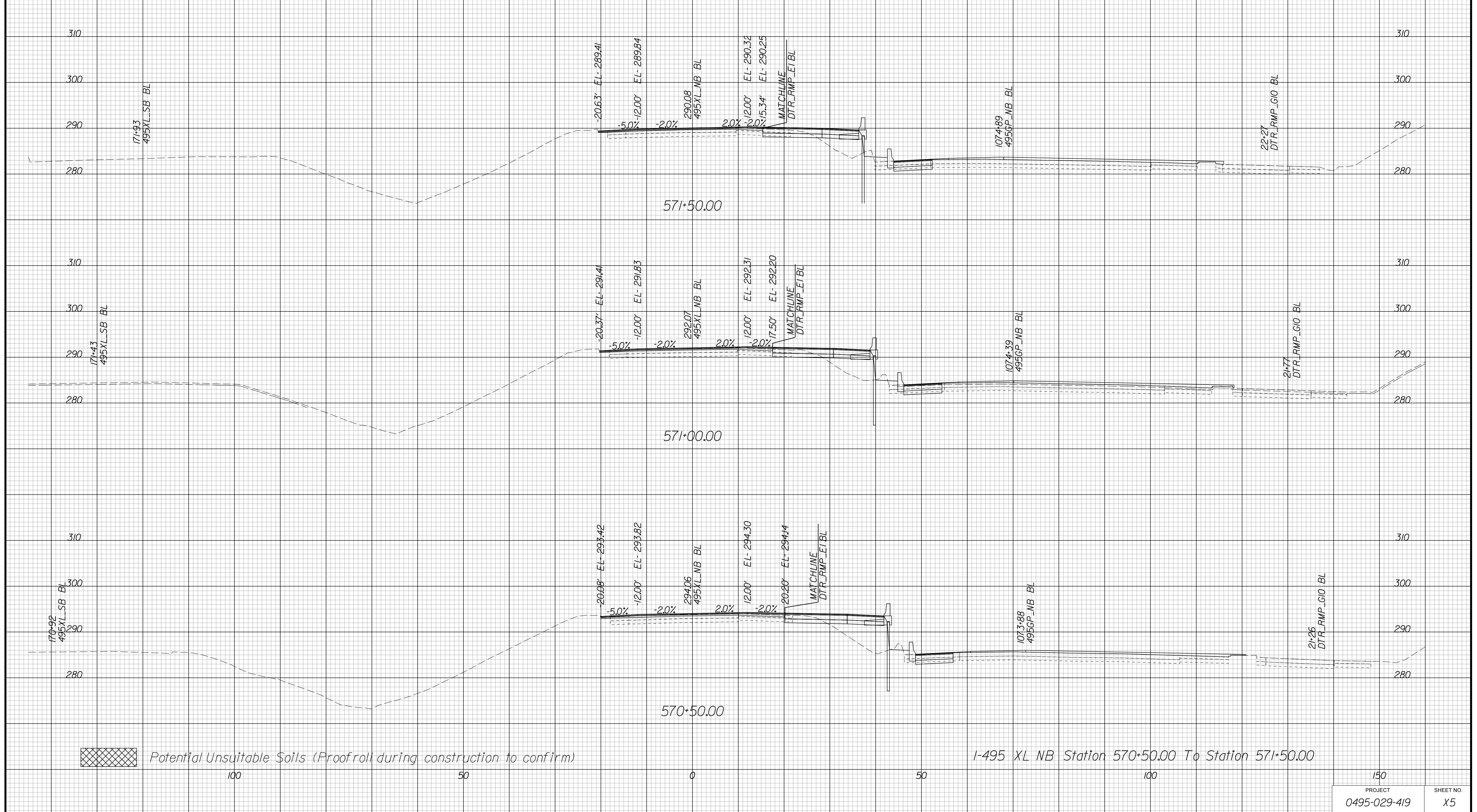
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X5

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



I-495 XL NB Station 570+50.00 To Station 571+50.00

PROJECT	SHEET NO.
0495-029-419	X5

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

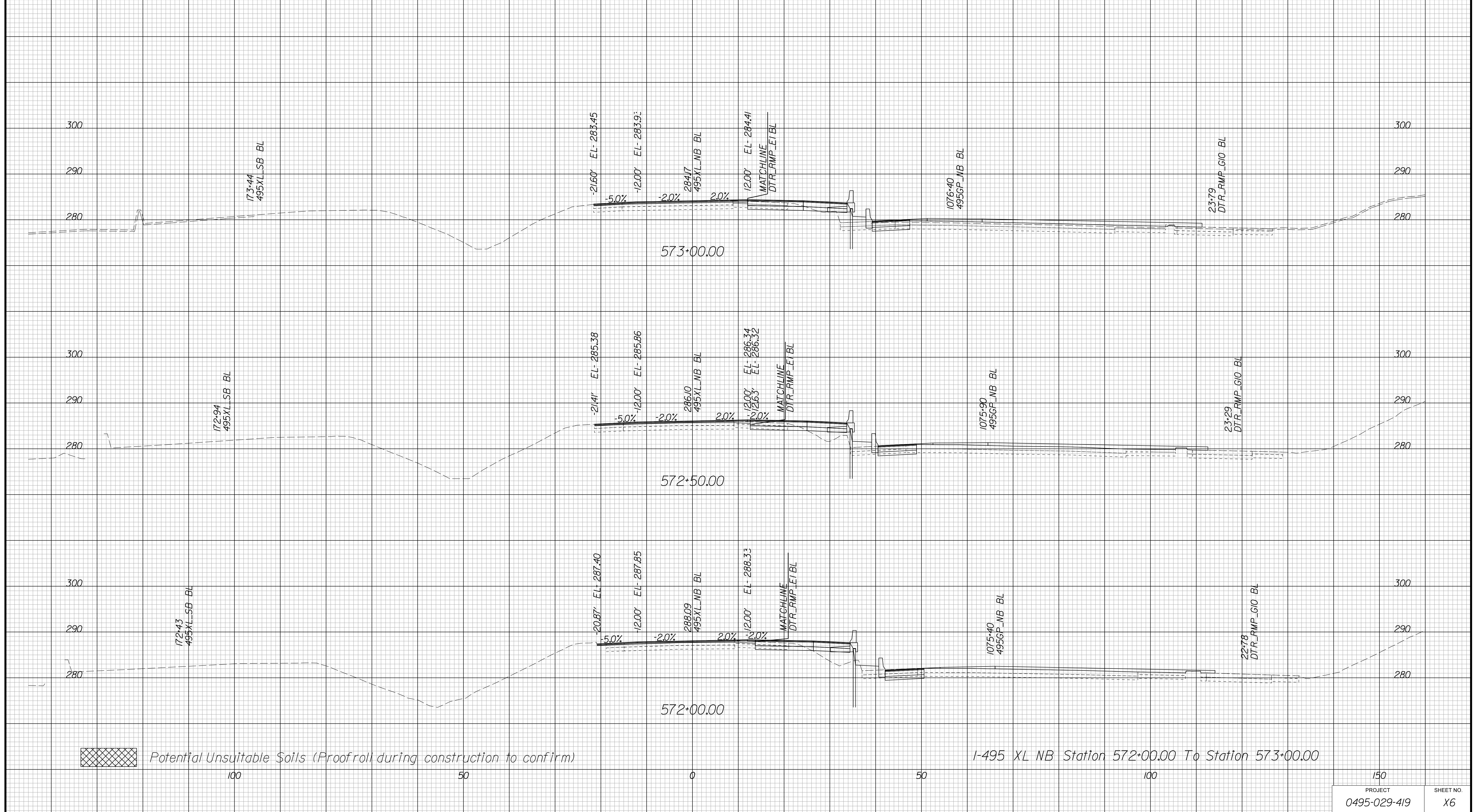
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X6

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

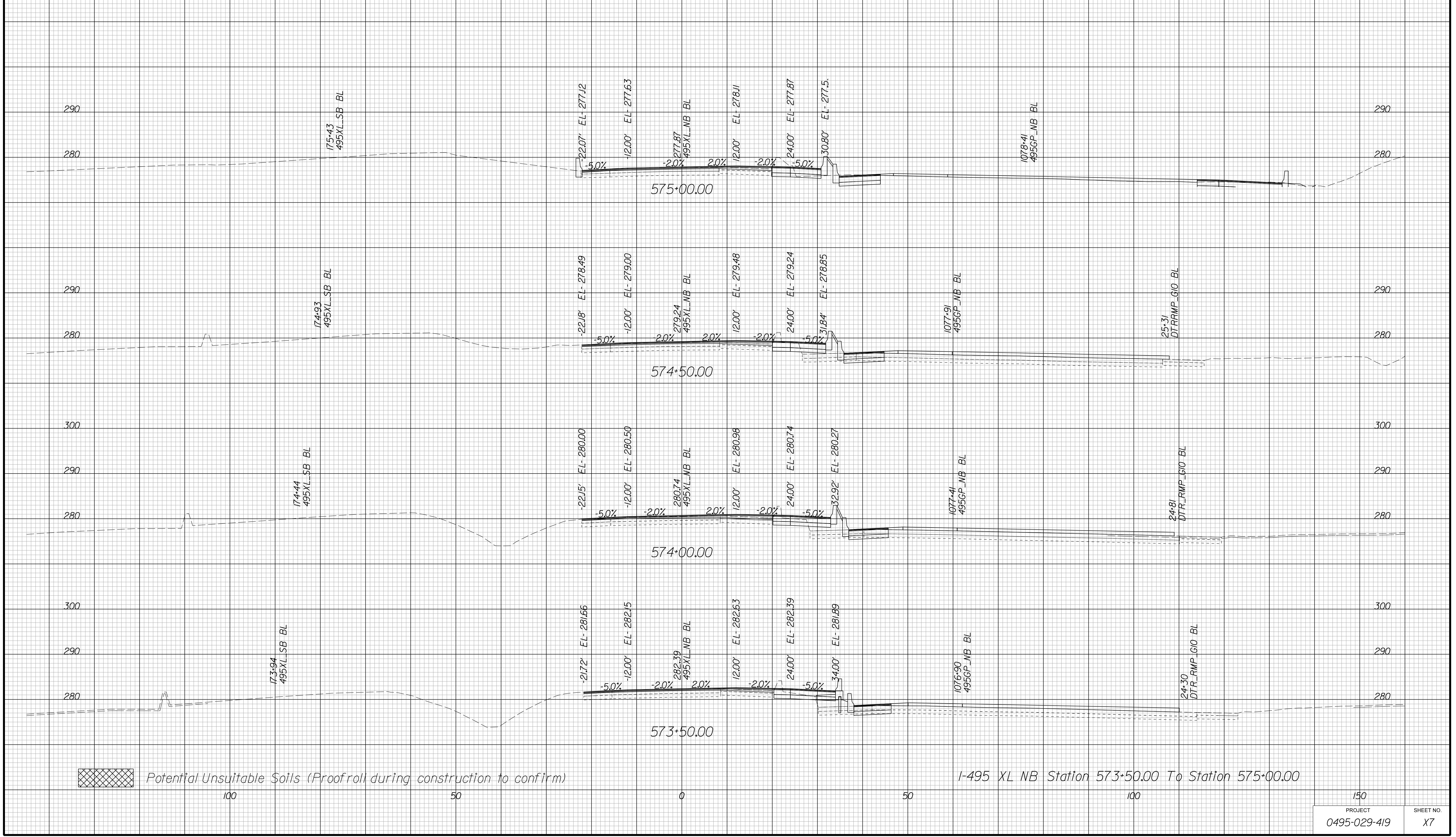
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X7

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

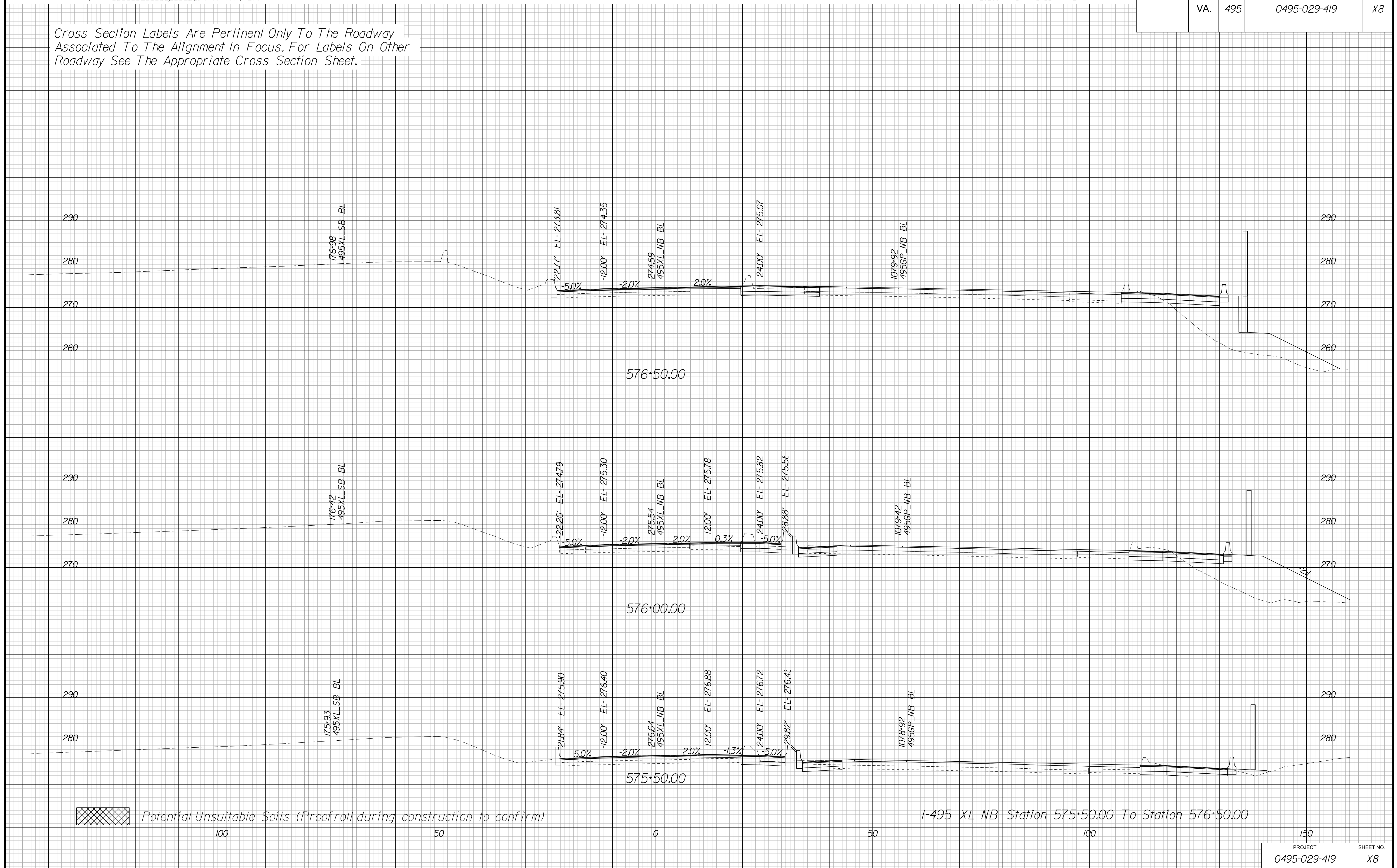
CROSS SECTIONS

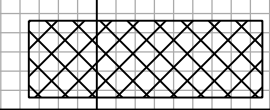
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X8

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 575+50.00 To Station 576+50.00

PROJECT	SHEET NO.
0495-029-419	X8

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

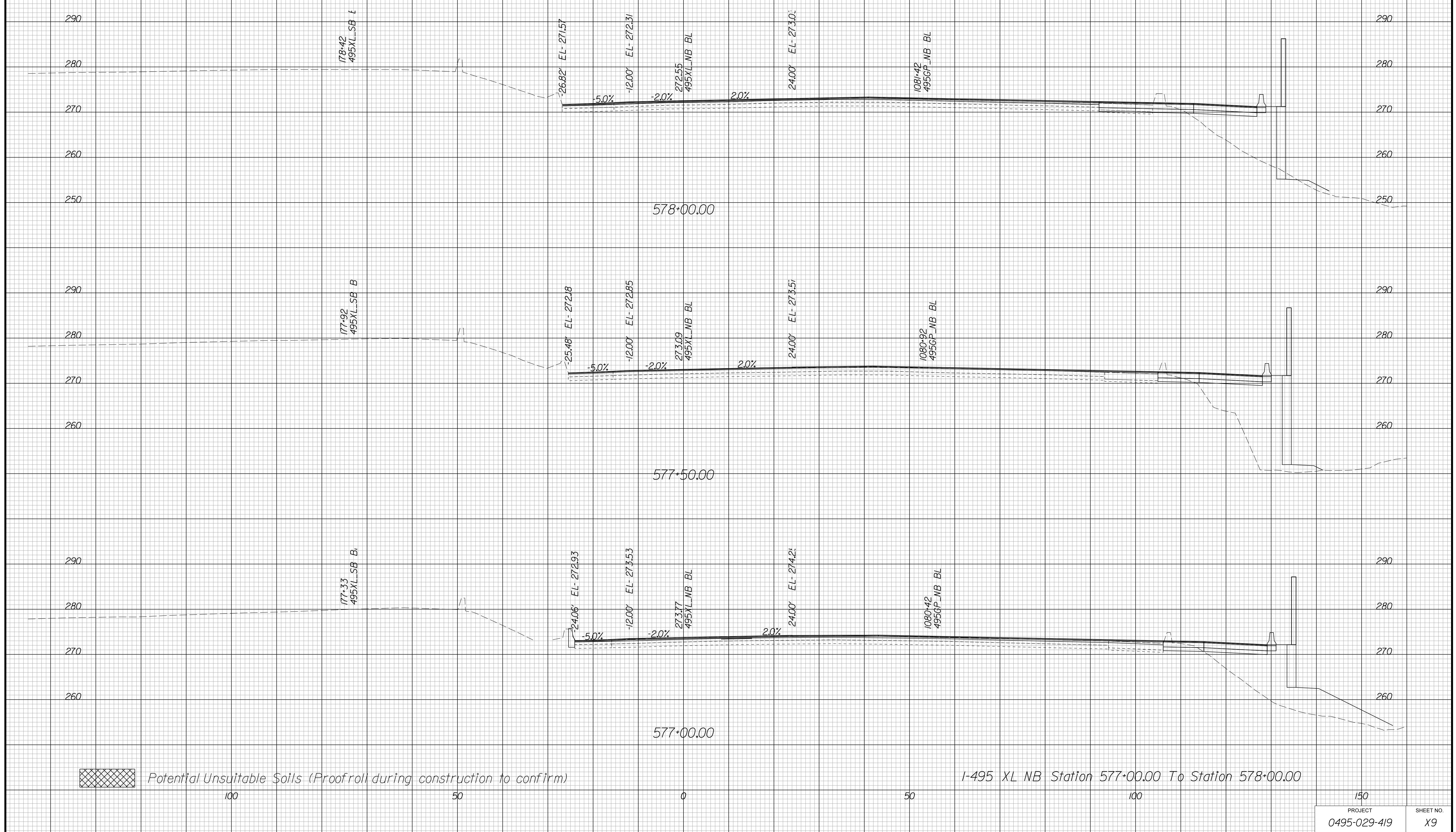
CROSS SECTIONS

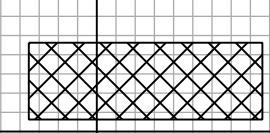
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X9

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 577+00.00 To Station 578+00.00

PROJECT	SHEET NO.
0495-029-419	X9

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

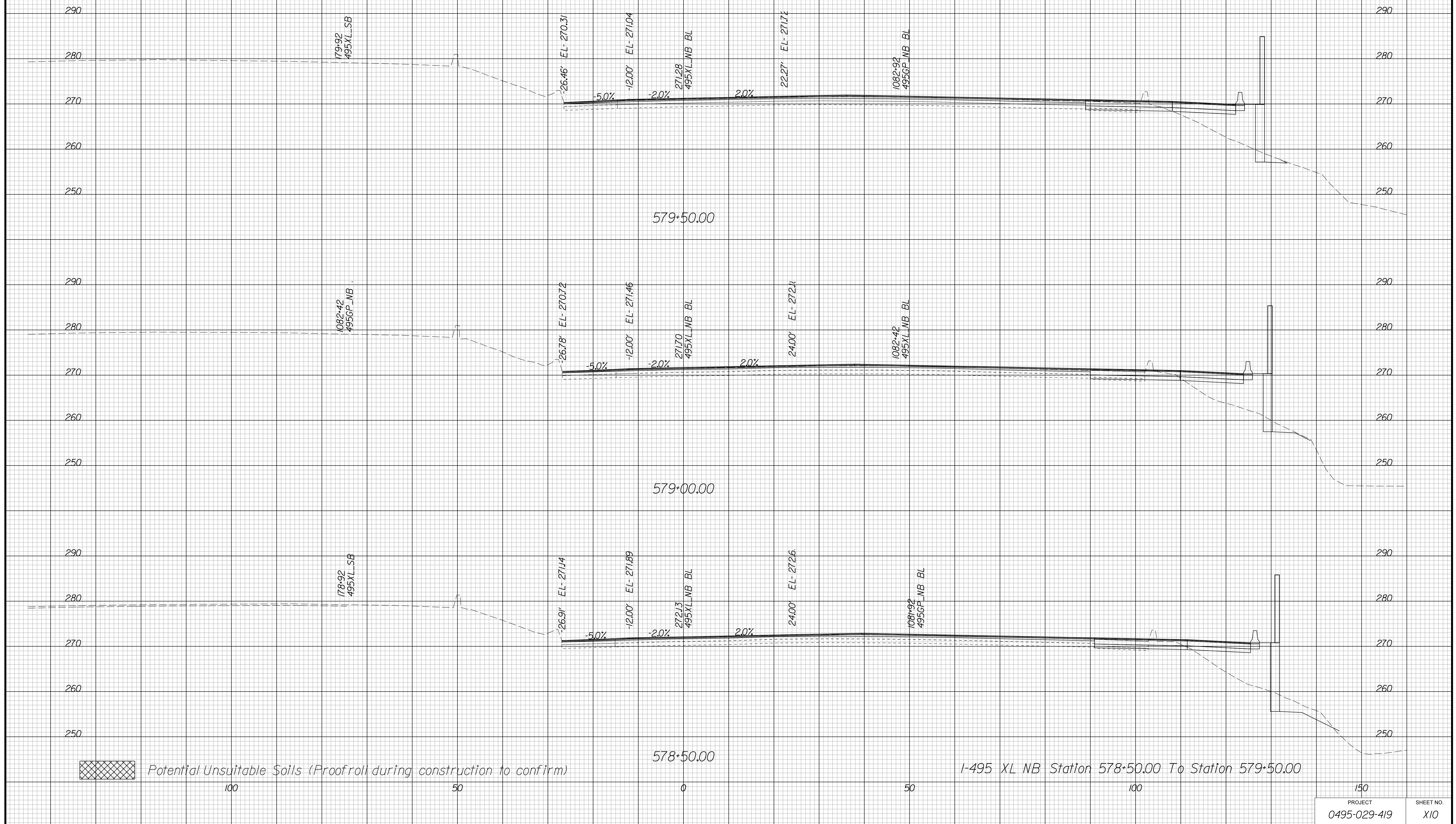
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X10

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

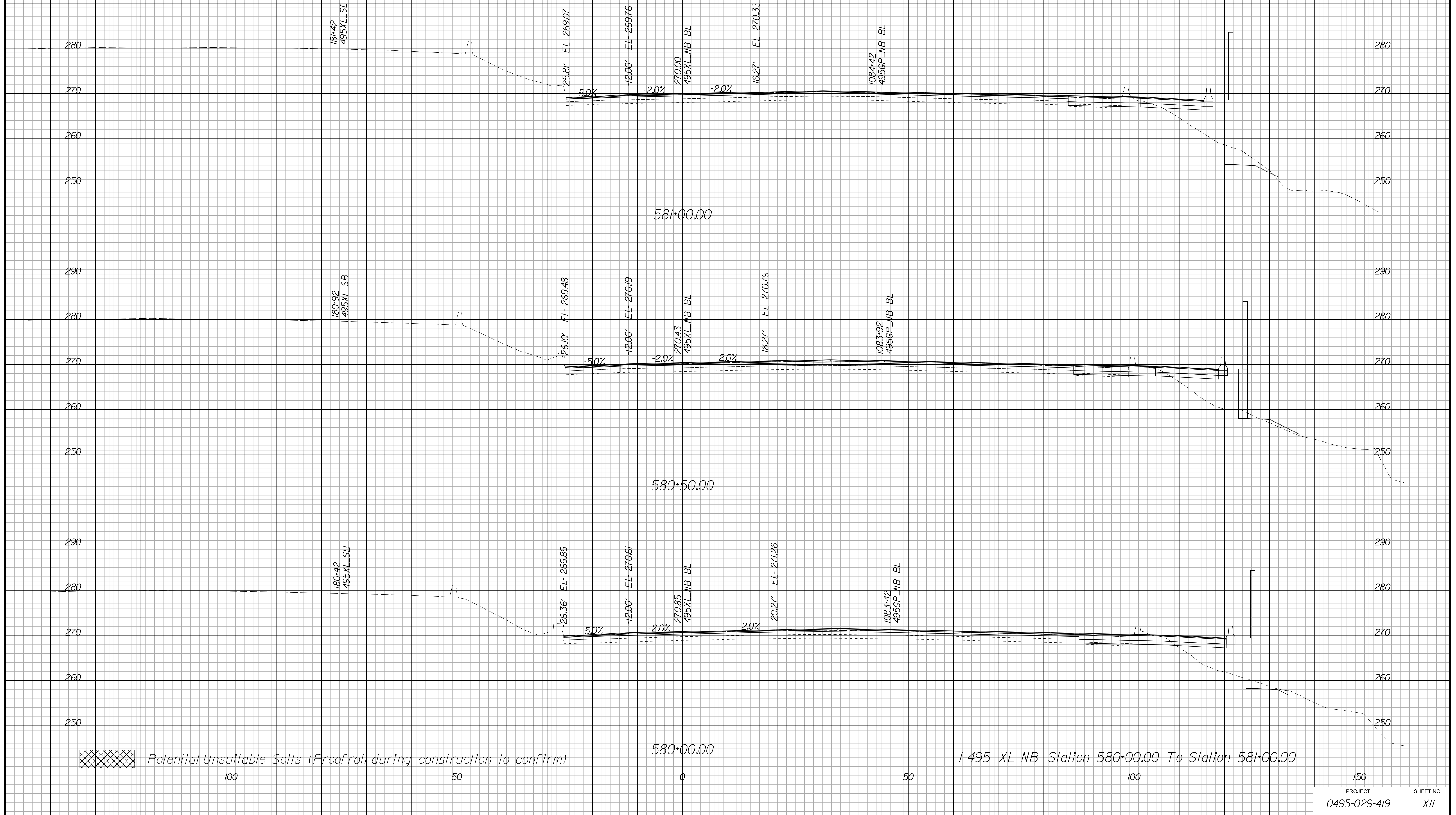
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	XII

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

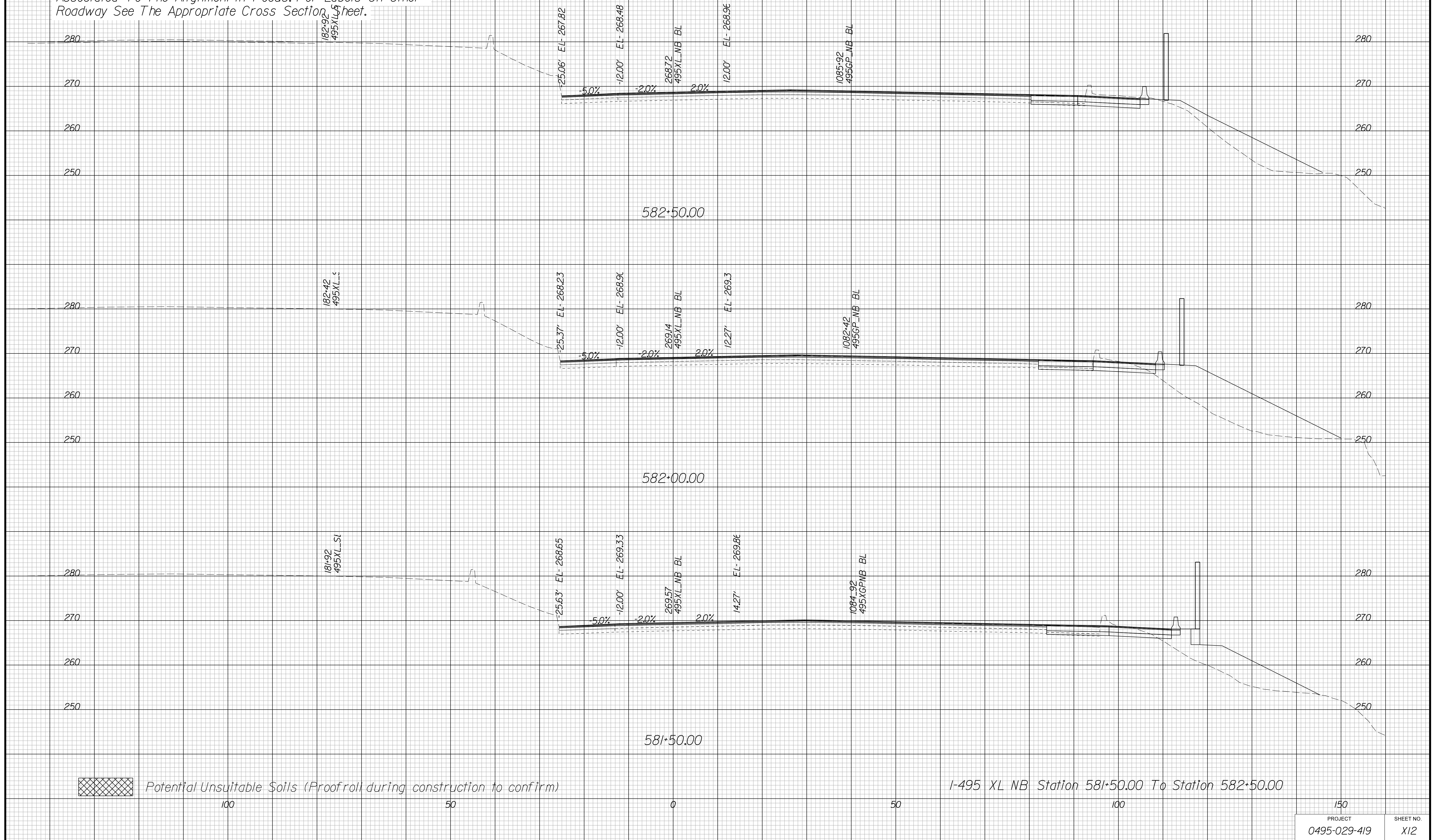
CROSS SECTIONS

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X12

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

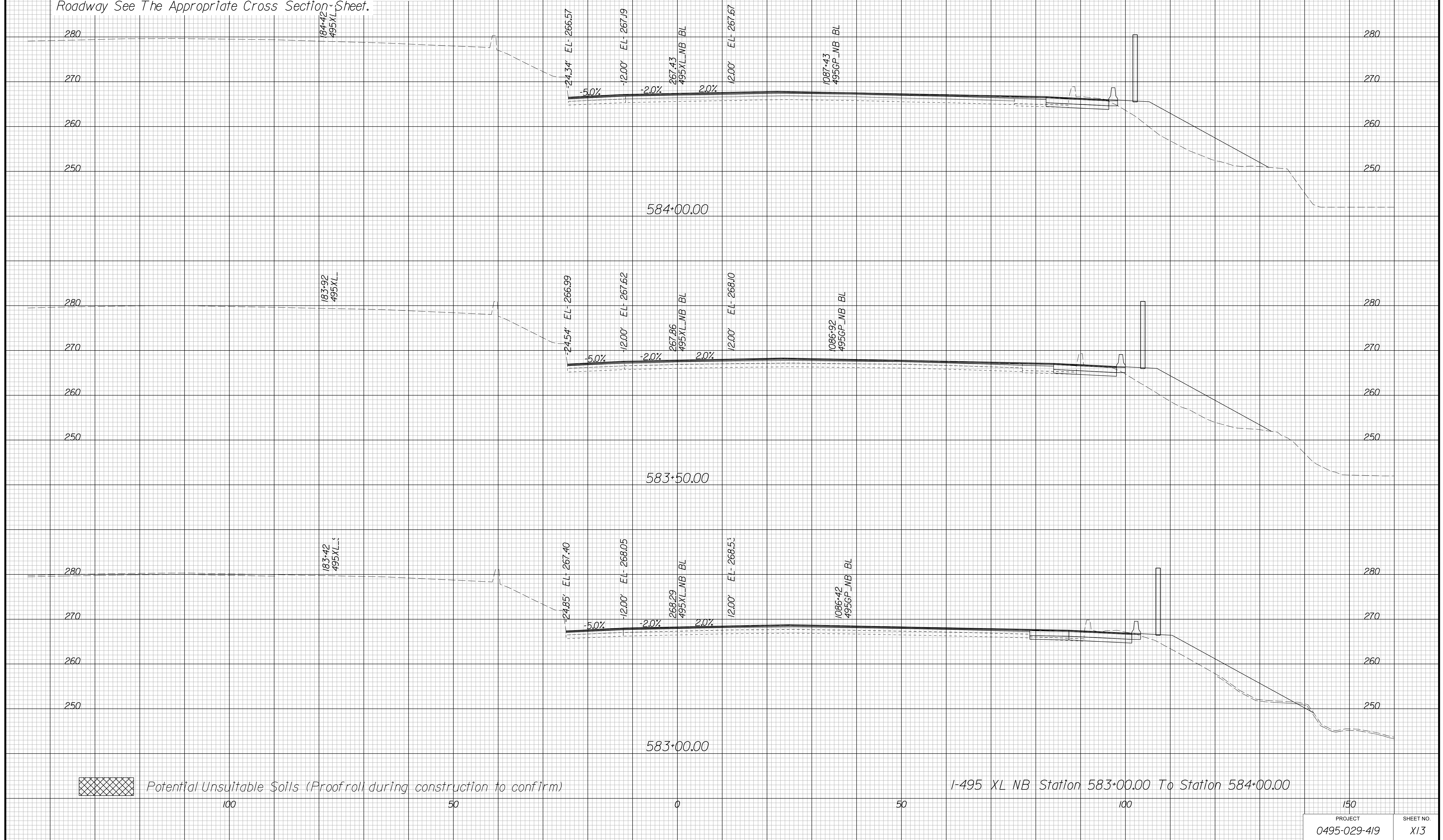
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X13

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

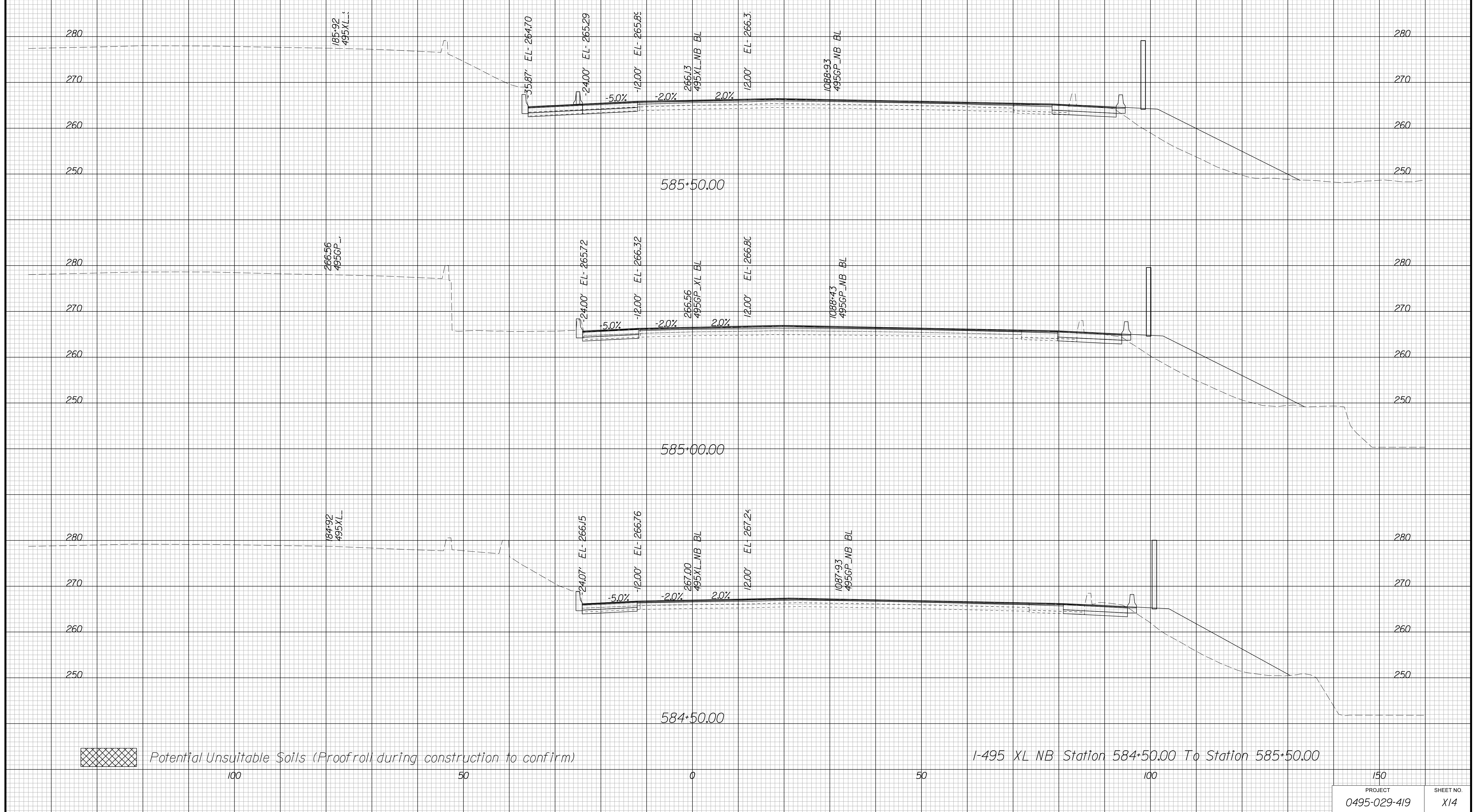
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X14

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

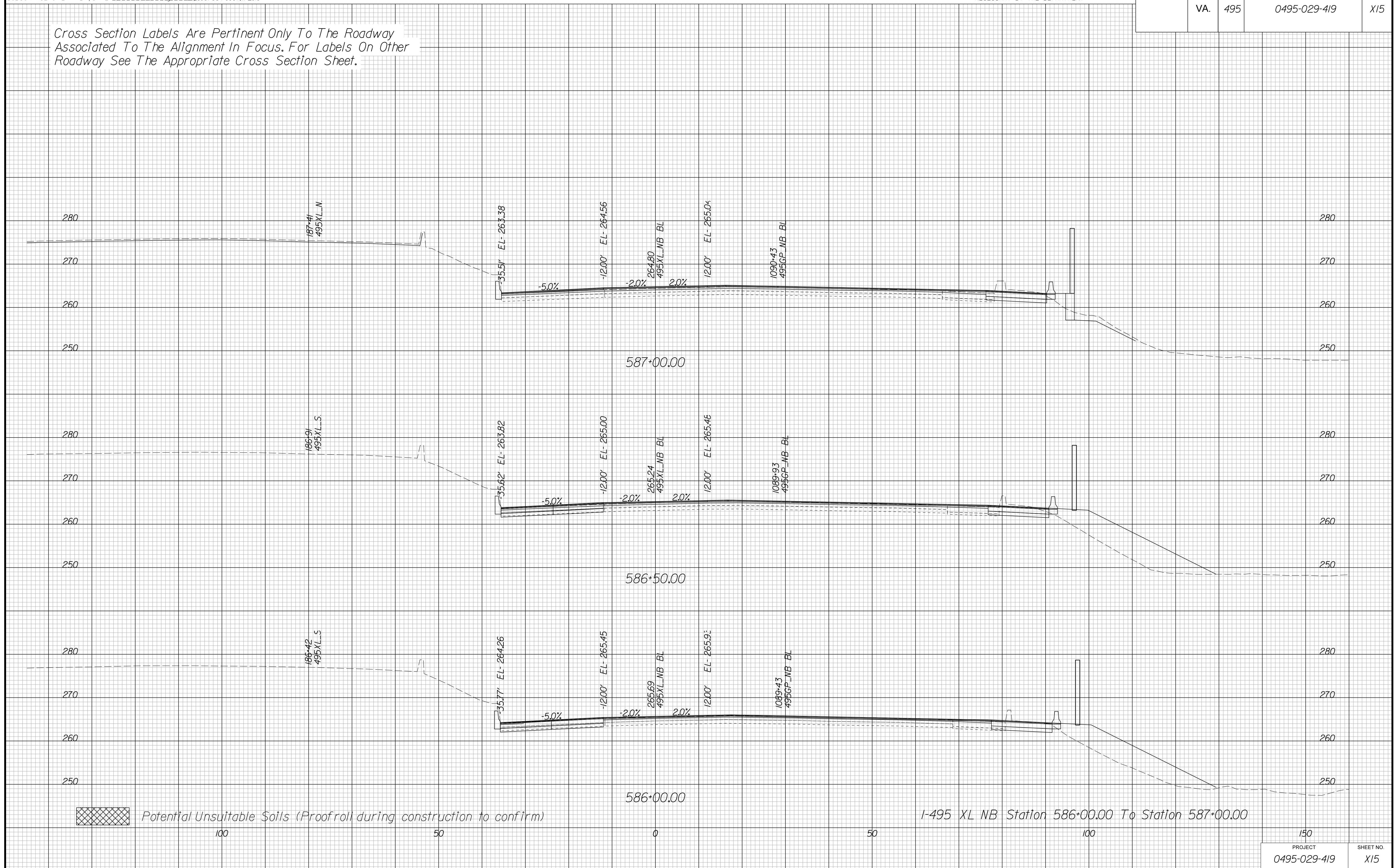
CROSS SECTIONS

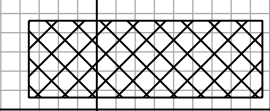
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X15

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 586+00.00 To Station 587+00.00

PROJECT	SHEET NO.
0495-029-419	X15

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

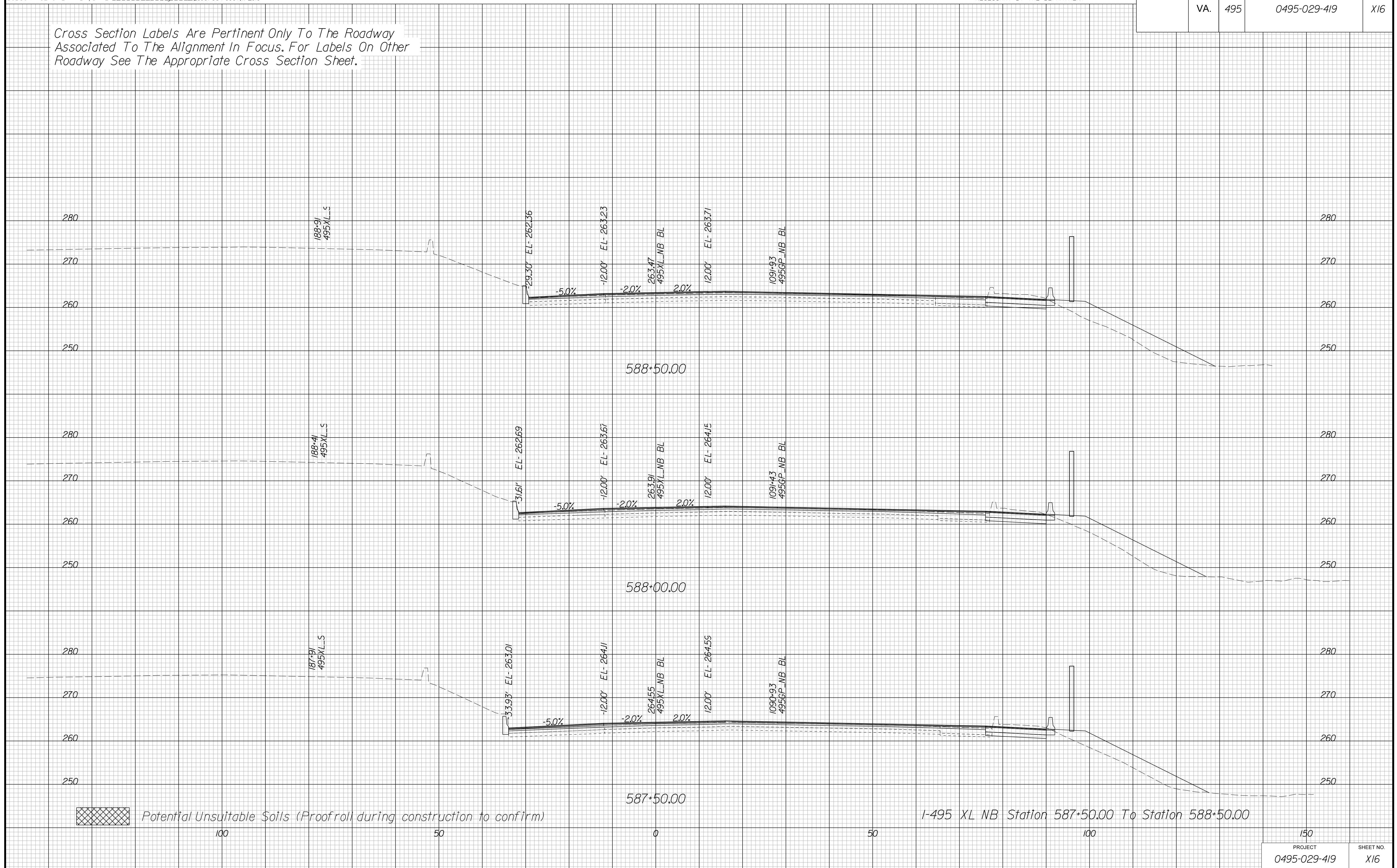
CROSS SECTIONS

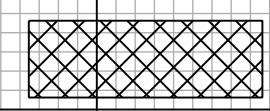
SCALE 1 IN. = 10 FT

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X16

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 587+50.00 To Station 588+50.00

PROJECT	SHEET NO.
0495-029-419	X16

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

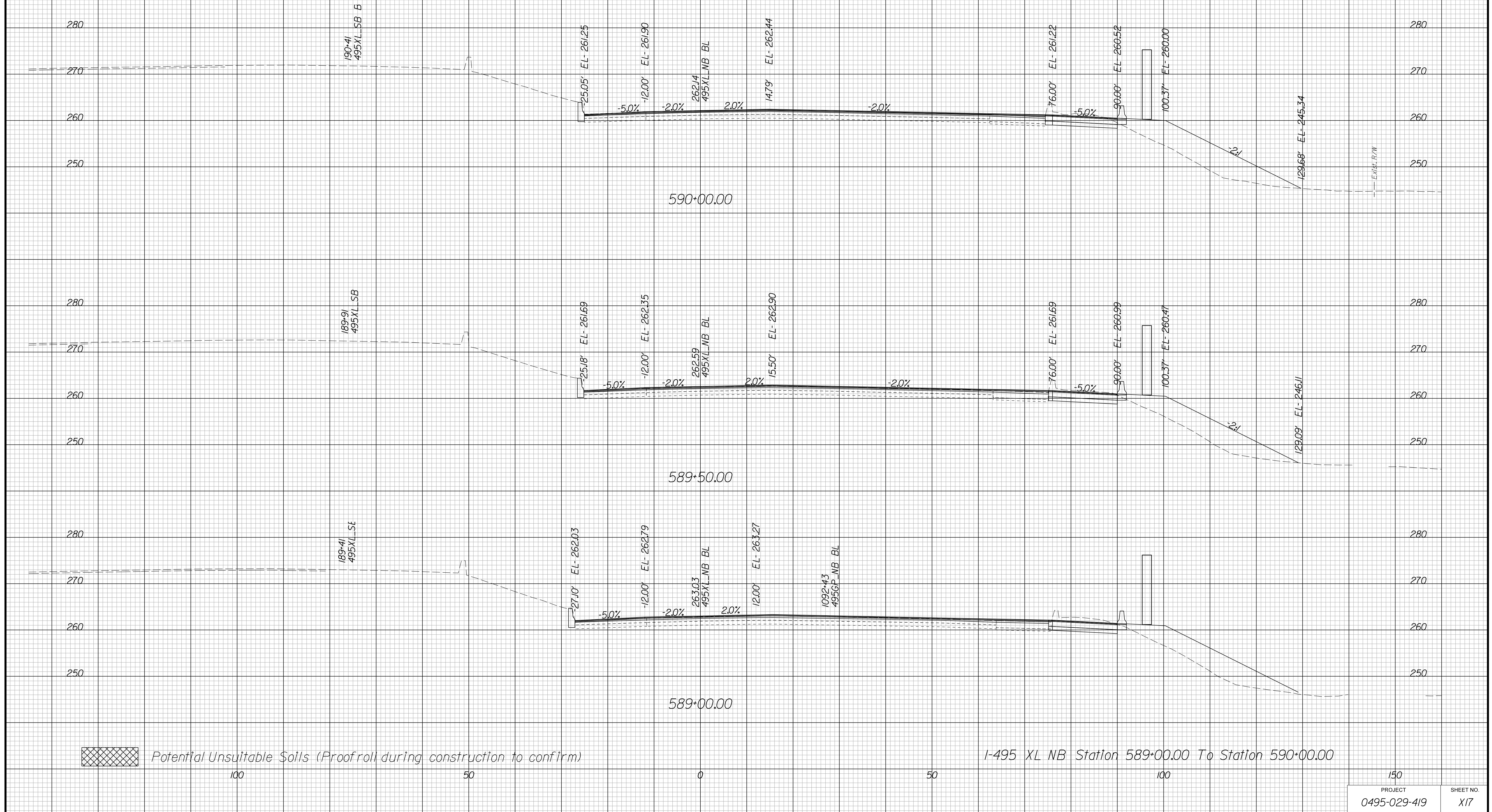
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X17

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

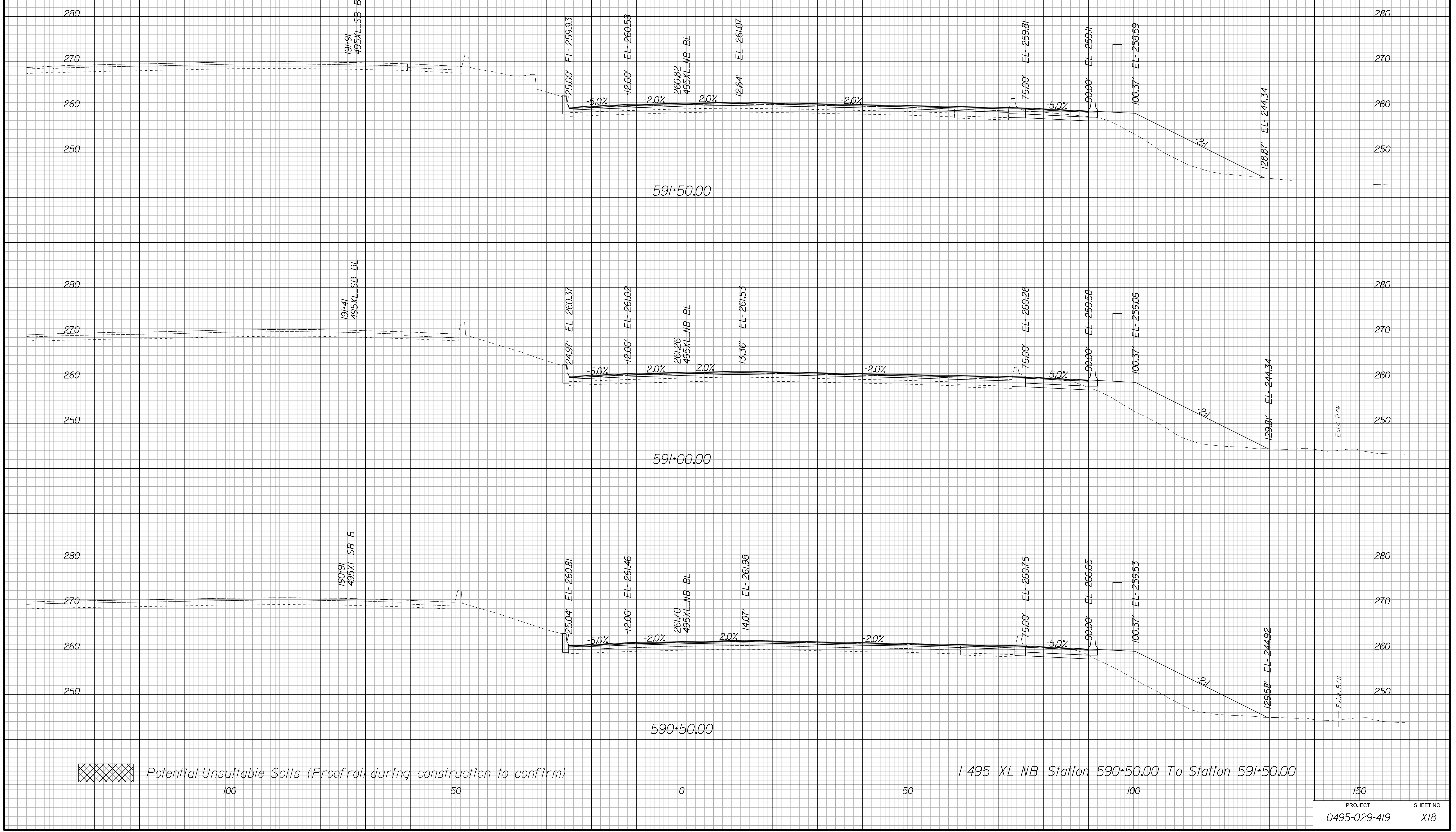
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X18

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



I-495 XL NB Station 590+50.00 To Station 591+50.00

150	PROJECT	SHEET NO.
0495-029-419		X18

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

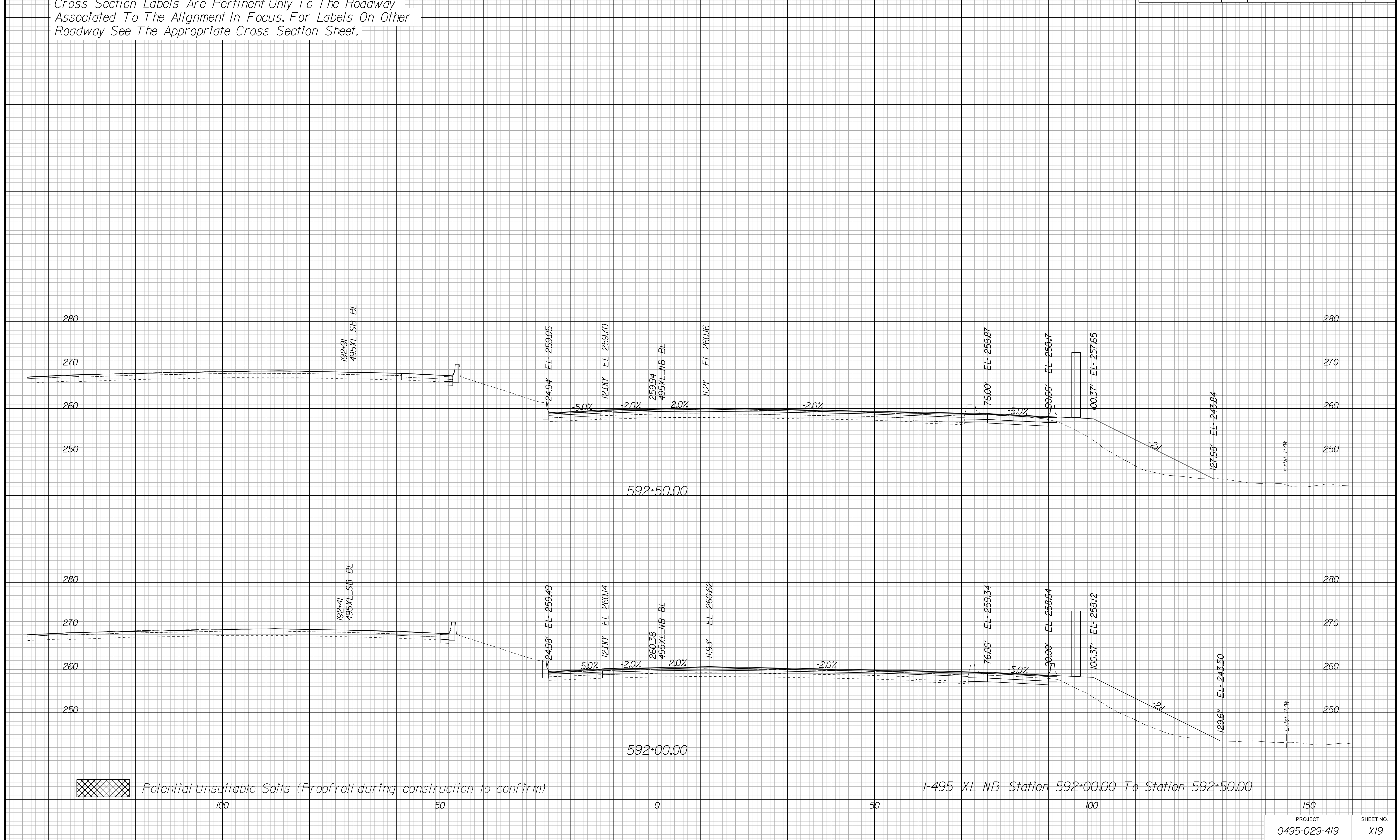
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X19

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

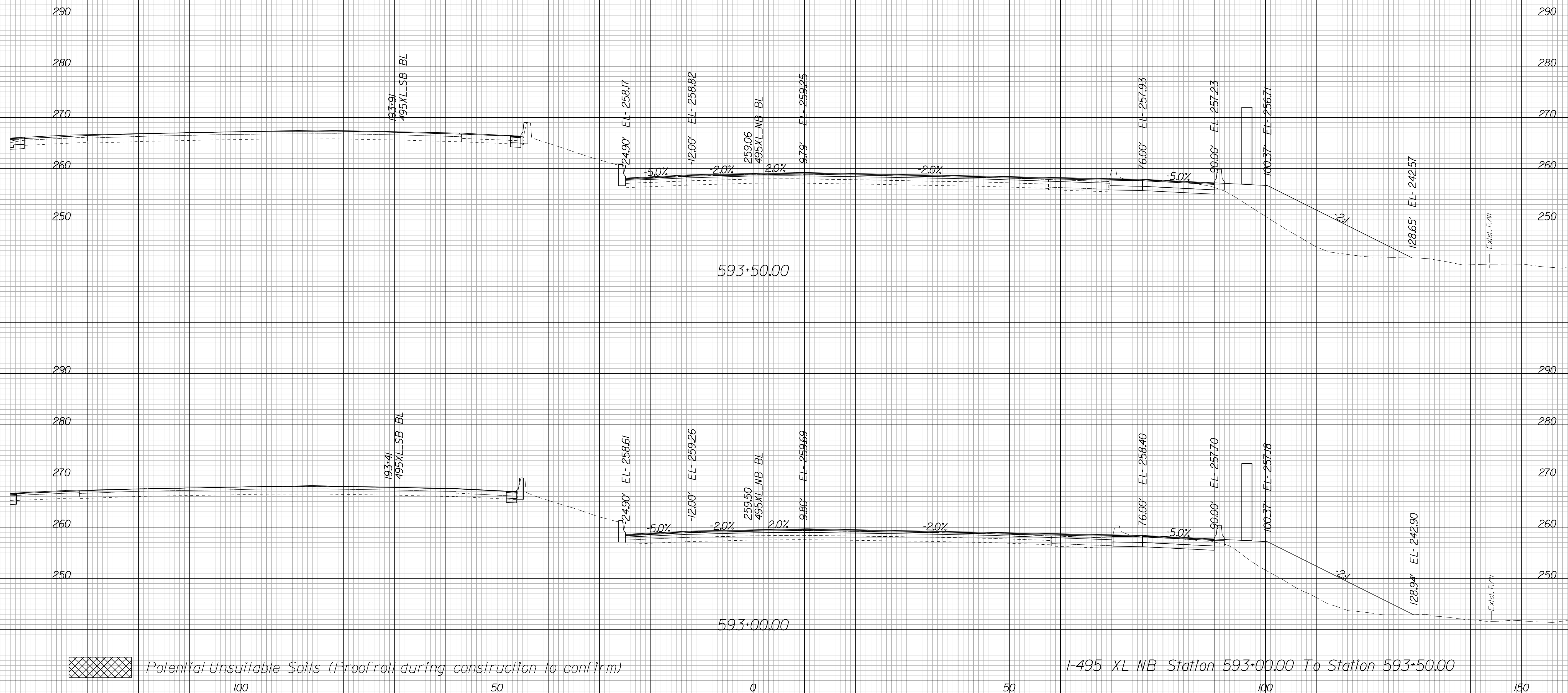
CROSS SECTIONS

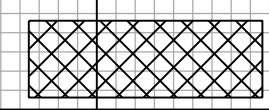
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X20

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 593+00.00 To Station 593+50.00

PROJECT	SHEET NO.
0495-029-419	X20

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

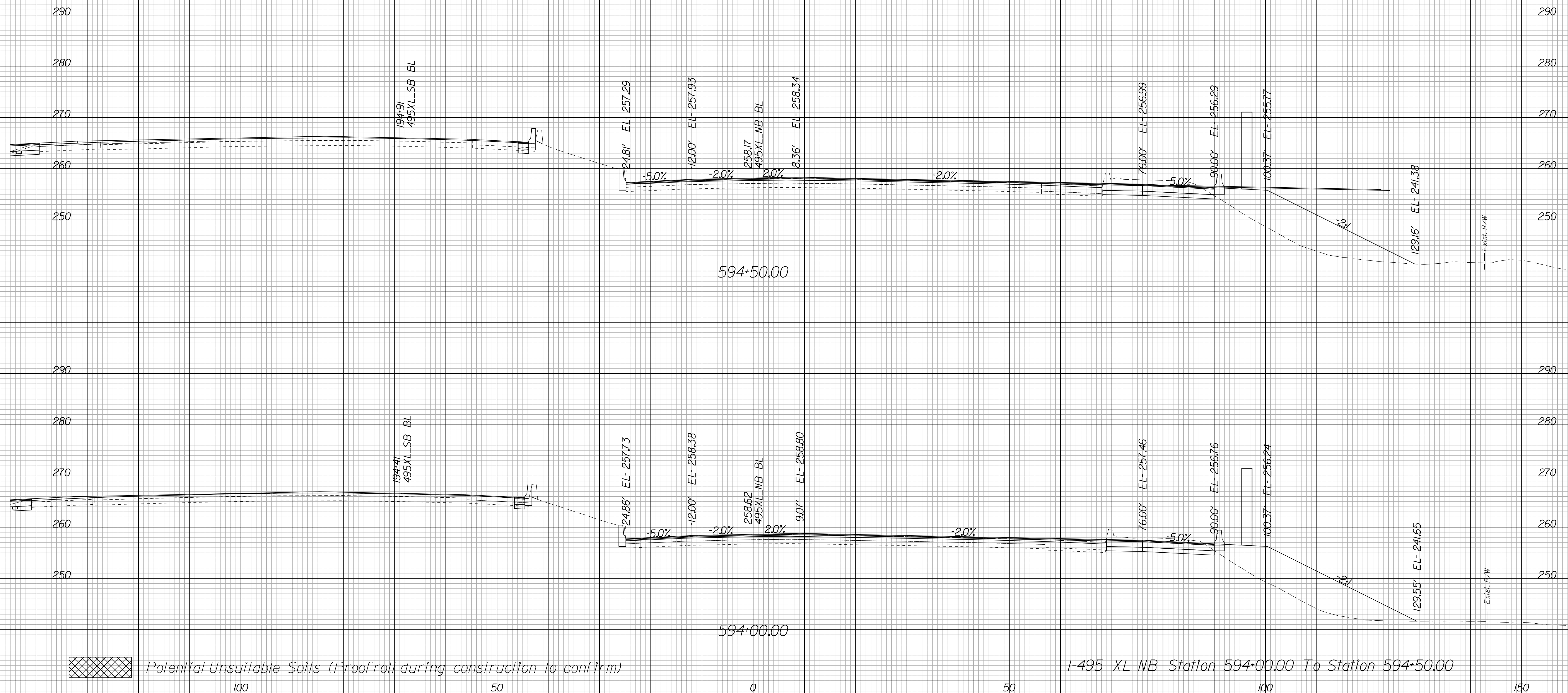
CROSS SECTIONS

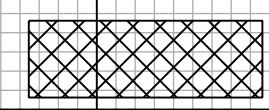
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X21

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 594+00.00 To Station 594+50.00

PROJECT	SHEET NO.
0495-029-419	X21

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

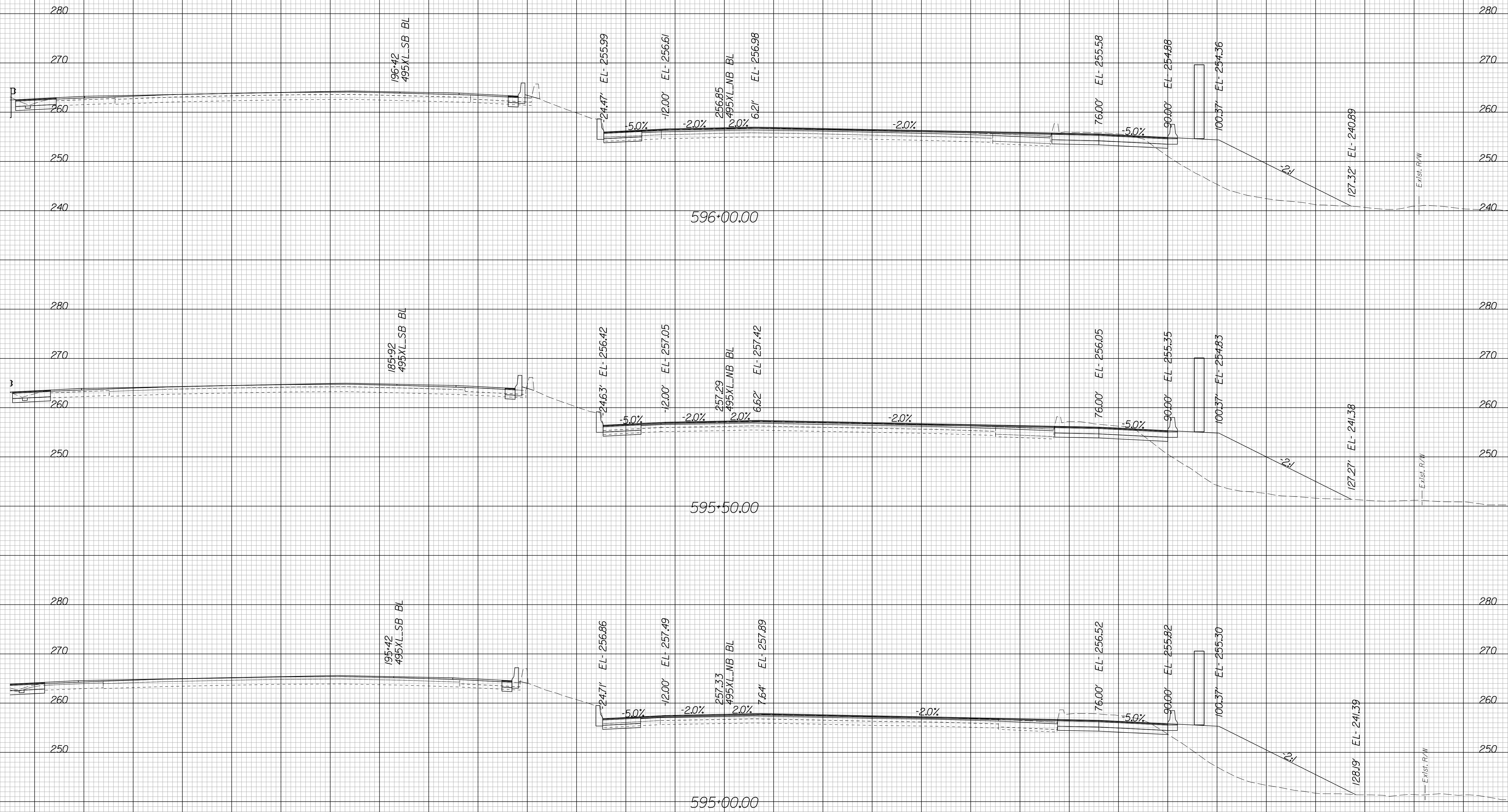
CROSS SECTIONS

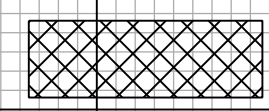
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X22

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 595+00.00 To Station 596+00.00

PROJECT	SHEET NO.
0495-029-419	X22

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

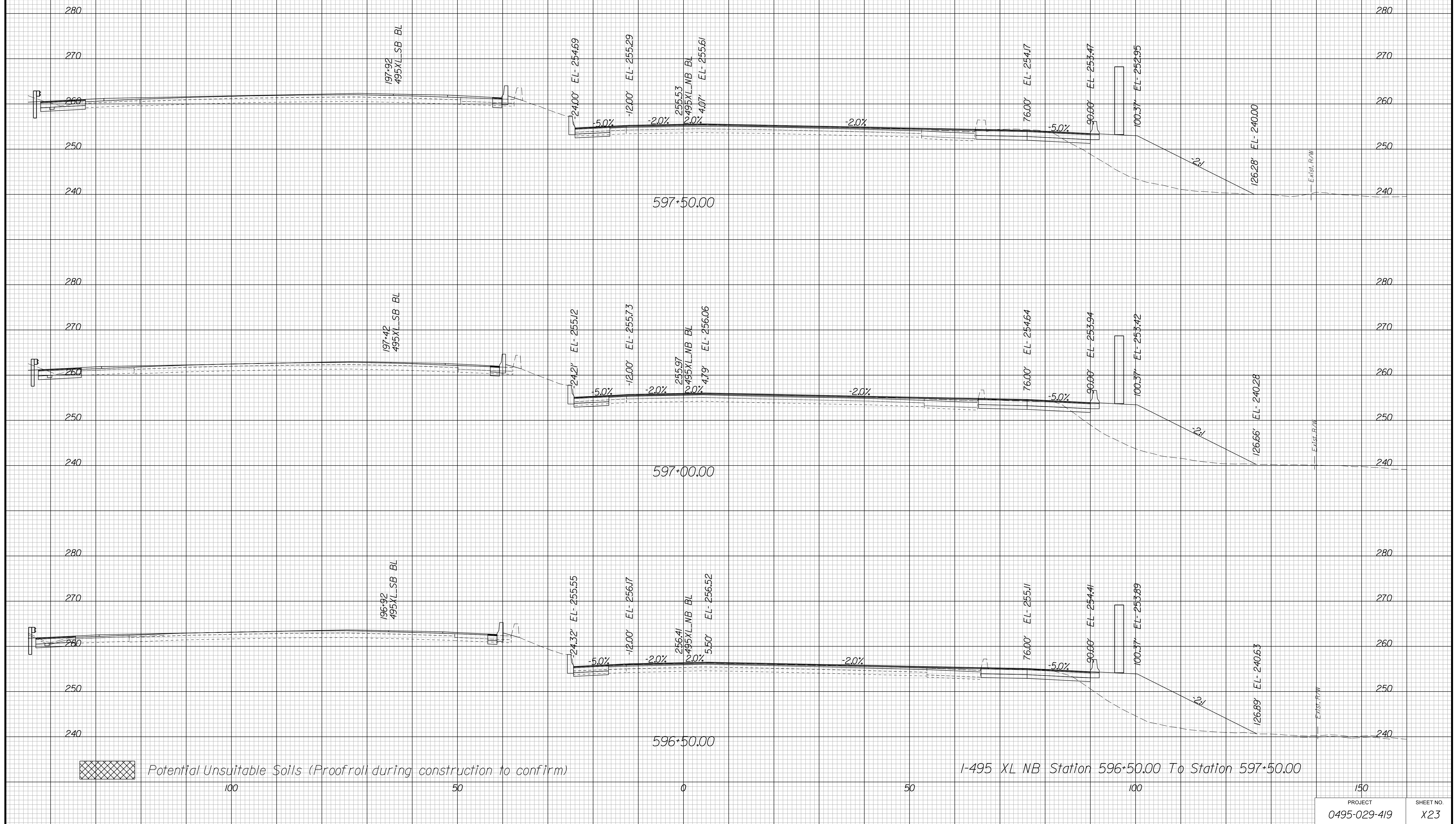
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X23

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (521) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

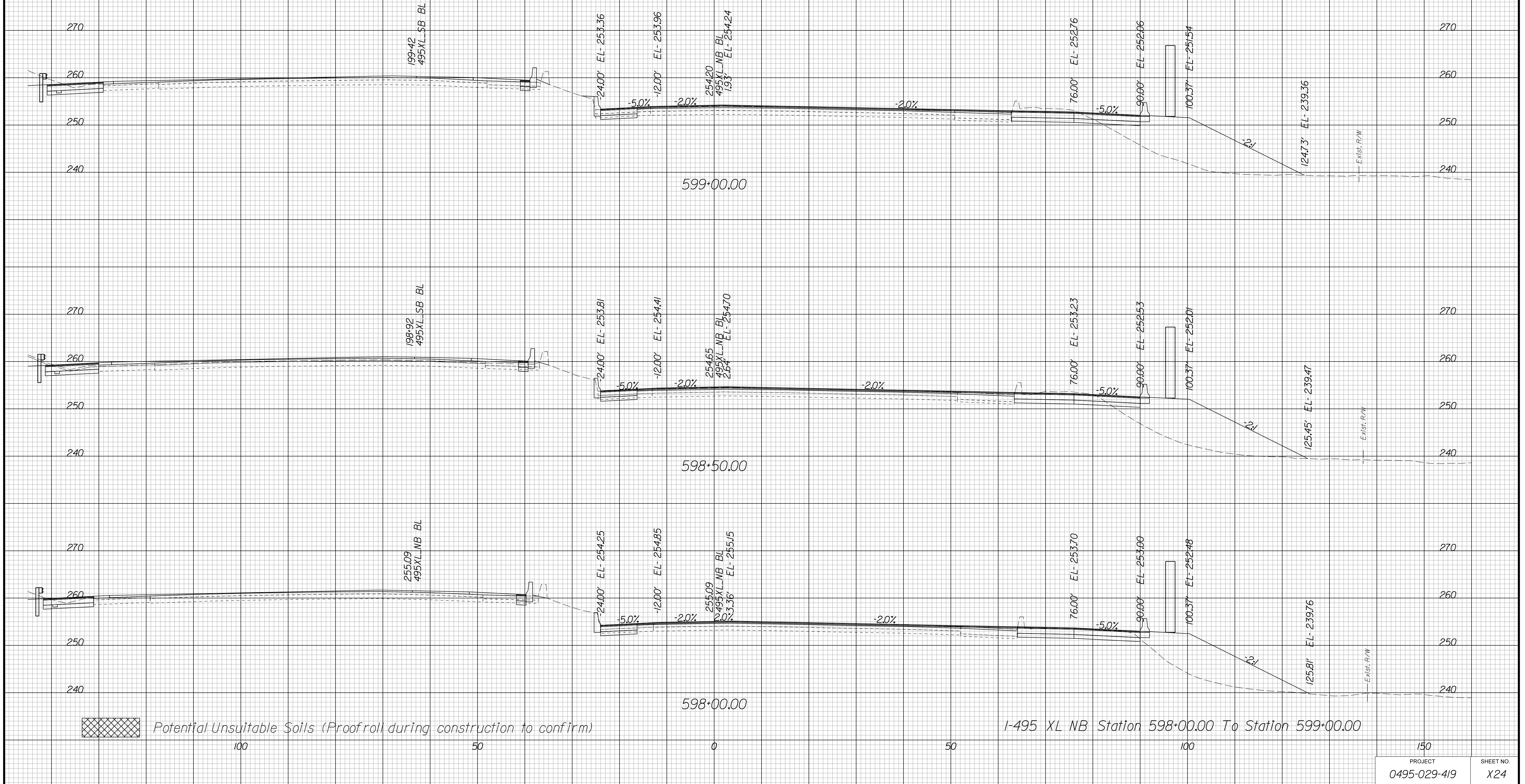
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X24

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (521) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

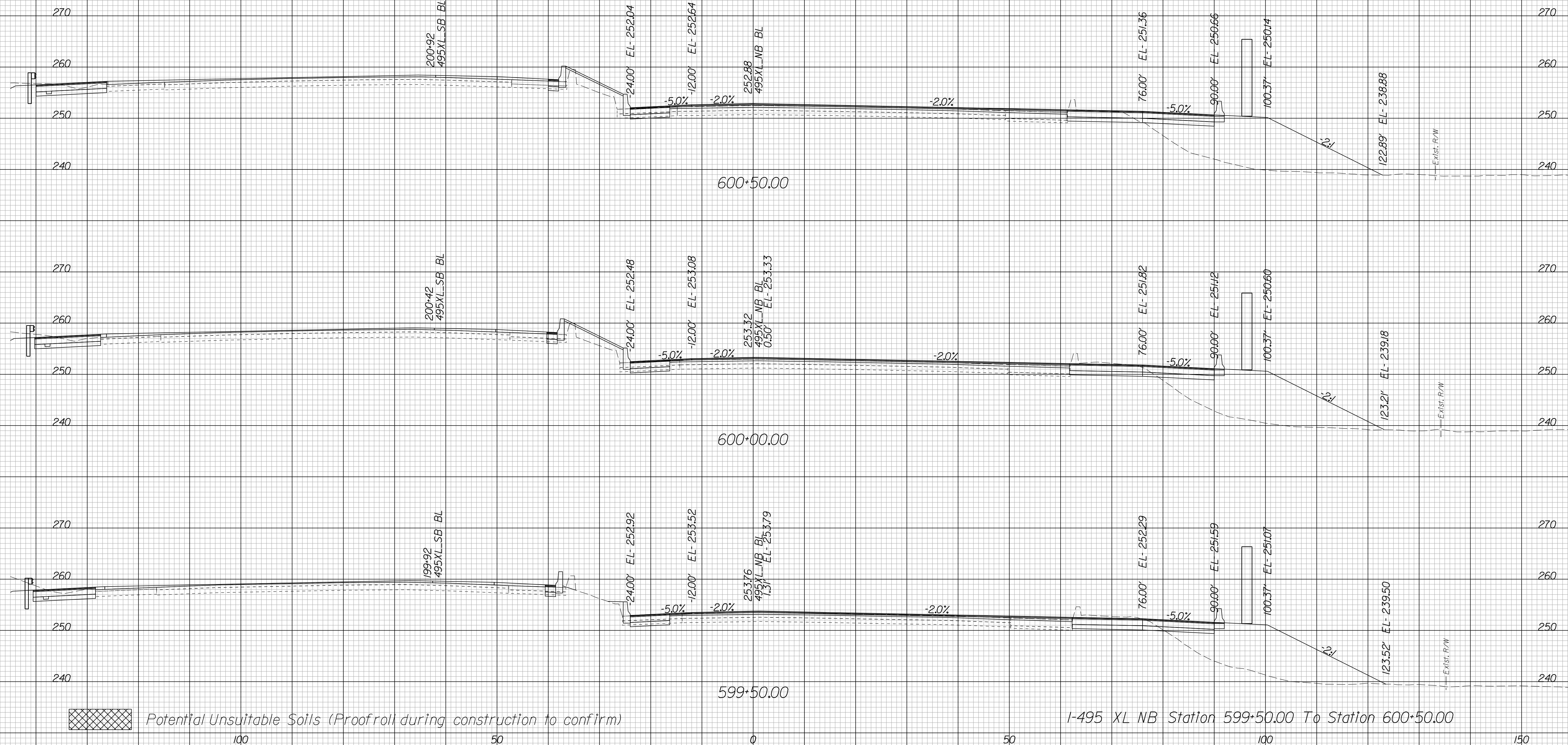
CROSS SECTIONS

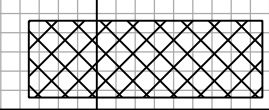
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X25

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 599+50.00 To Station 600+50.00

150	PROJECT	SHEET NO.
0495-029-419		X25

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

CROSS SECTIONS

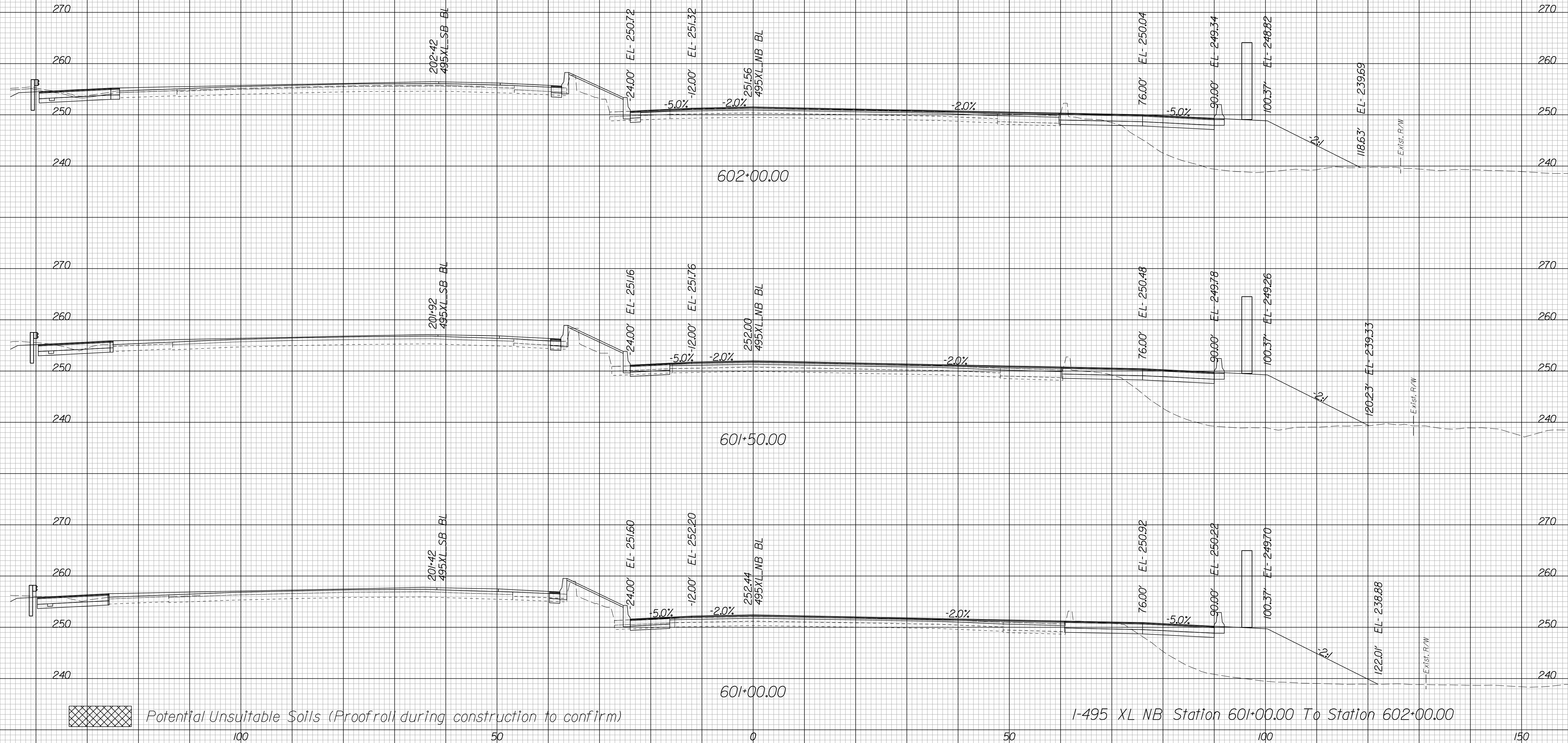
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X26

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

End Potential Sound Barrier 13D-5 Sta. 602+05.00
Begin Potential Sound Barrier 13D-6 and Retaining Wall 3



I-495 XL NB Station 601+00.00 To Station 602+00.00

Potential Unsuitable Soils (Proofroll during construction to confirm)

150	PROJECT	SHEET NO.
0495-029-419		X26

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

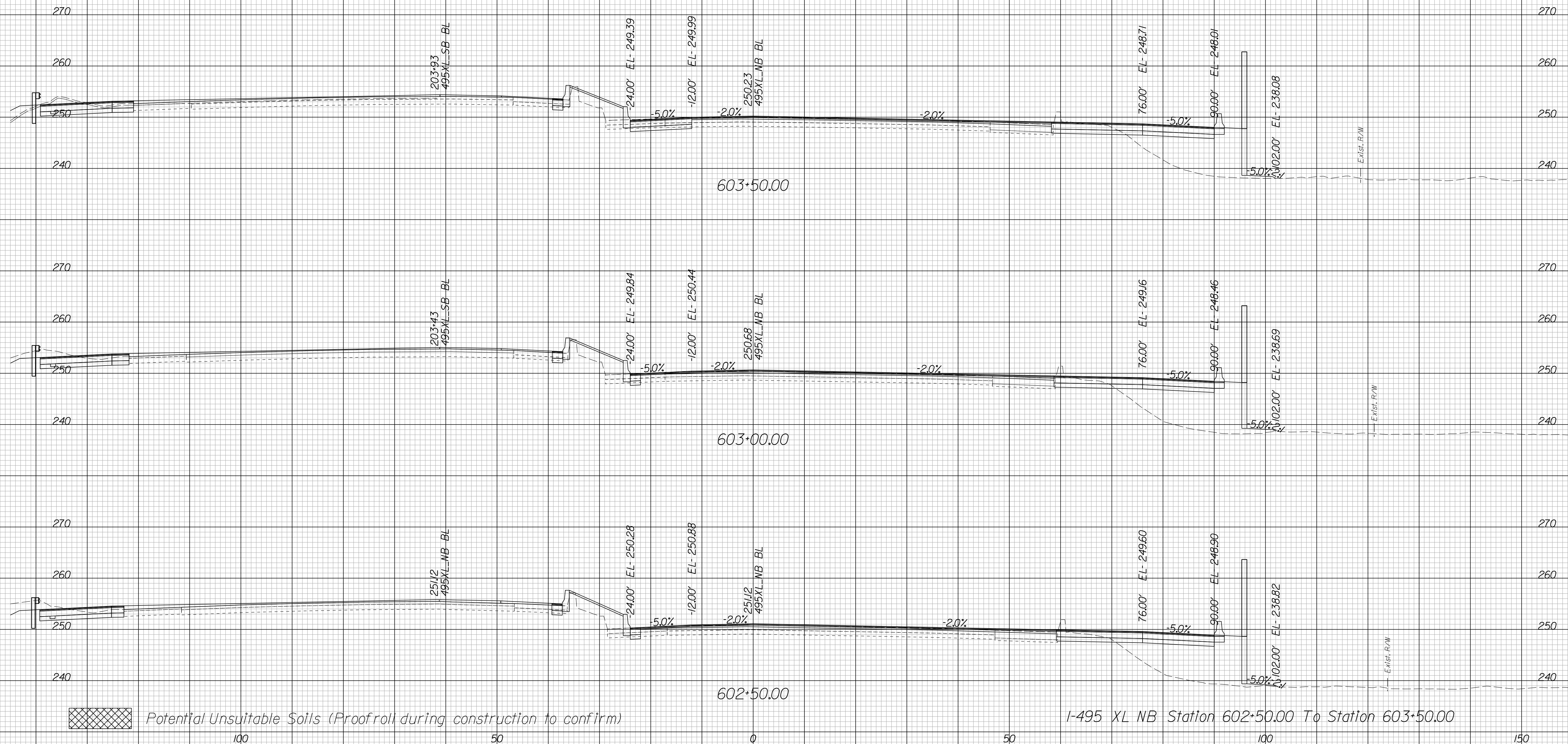
CROSS SECTIONS

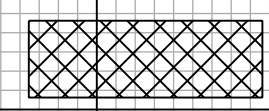
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X27

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT	SHEET NO.
0495-029-419	X27

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (521) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

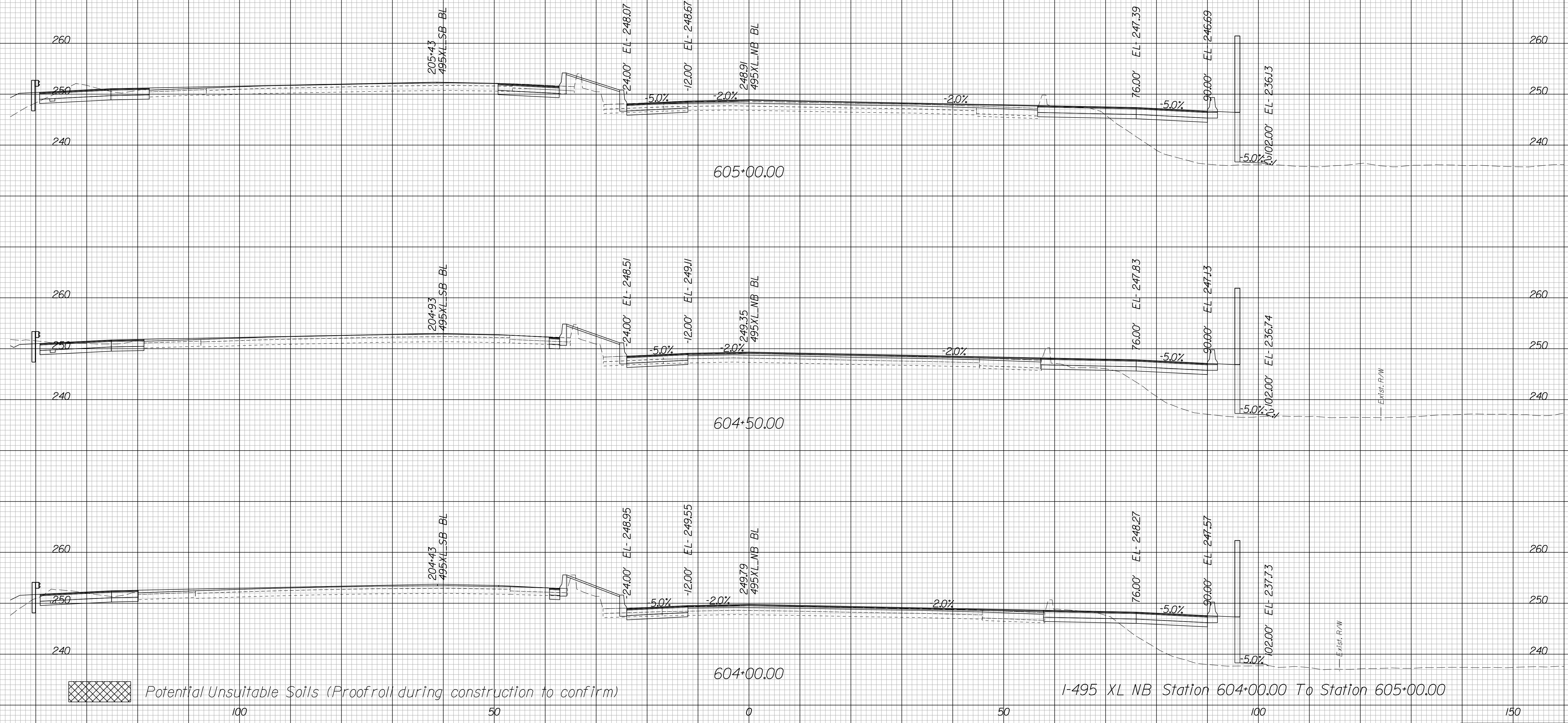
CROSS SECTIONS

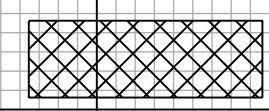
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X28

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

150	PROJECT	SHEET NO.
0495-029-419		X28

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

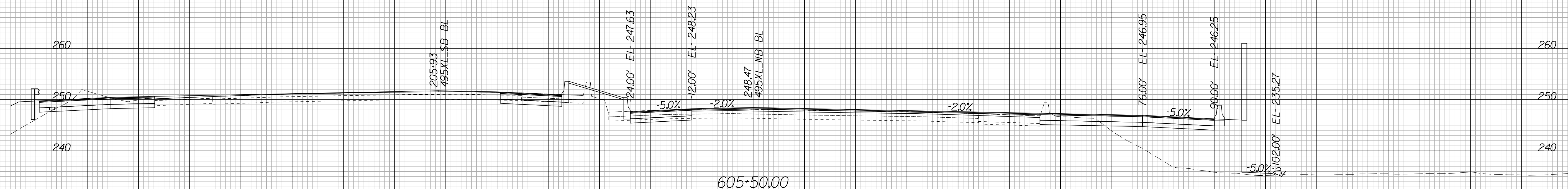
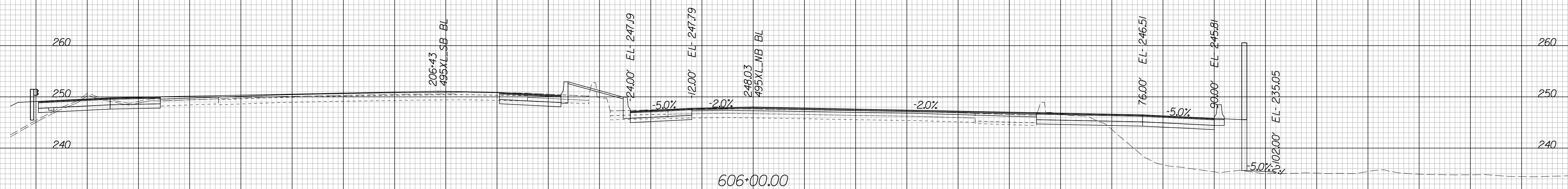
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X29

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 605+50.00 To Station 606+50.00

150	PROJECT	SHEET NO.
0495-029-419	0495-029-419	X29

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

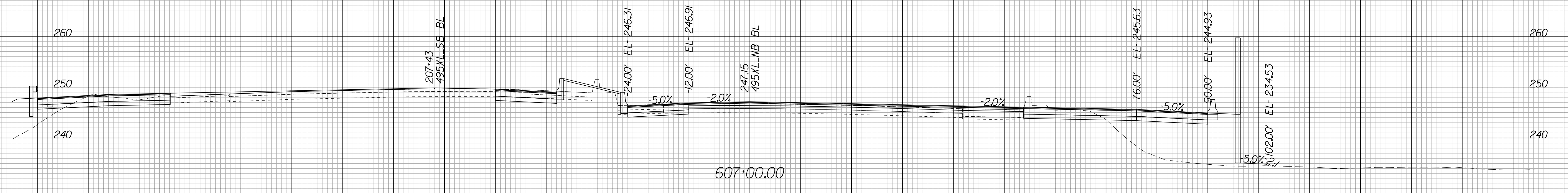
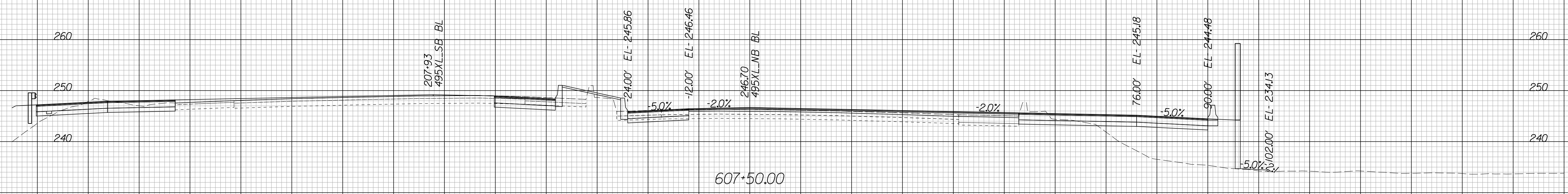
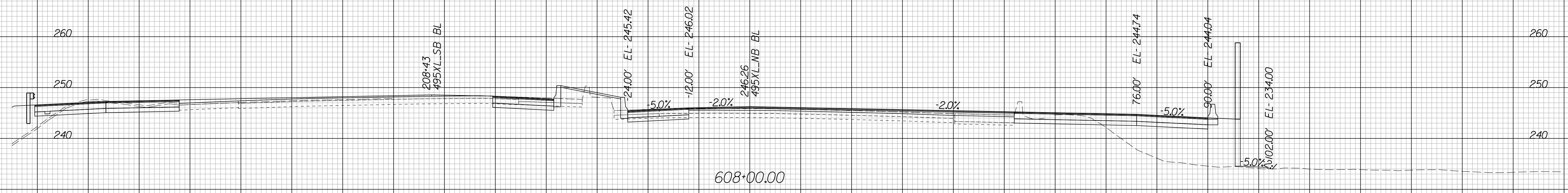
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X30

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 607+00.00 To Station 608+00.00

150	PROJECT	SHEET NO.
0495-029-419	0495-029-419	X30

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

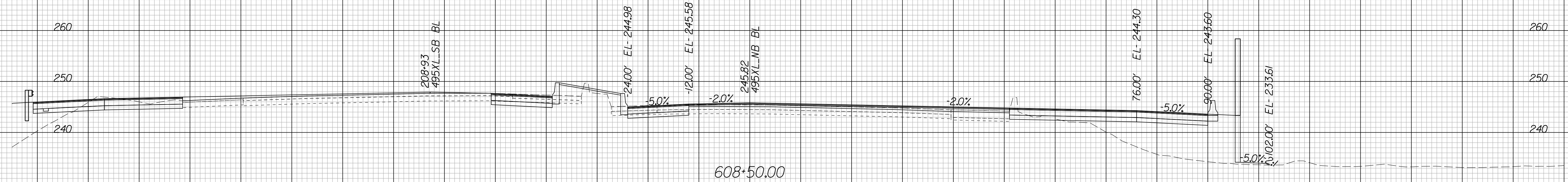
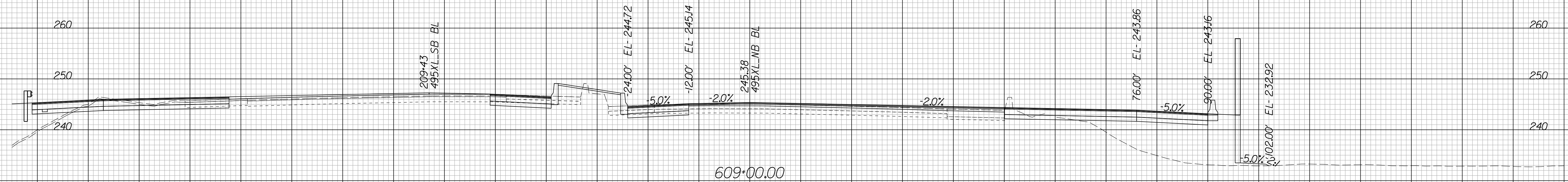
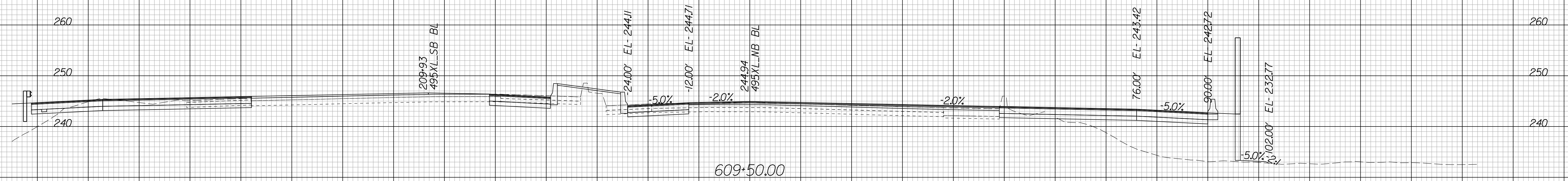
CROSS SECTIONS

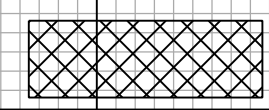
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X31

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 608+50.00 To Station 609+50.00

150	PROJECT	SHEET NO.
0495-029-419	0495-029-419	X31

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

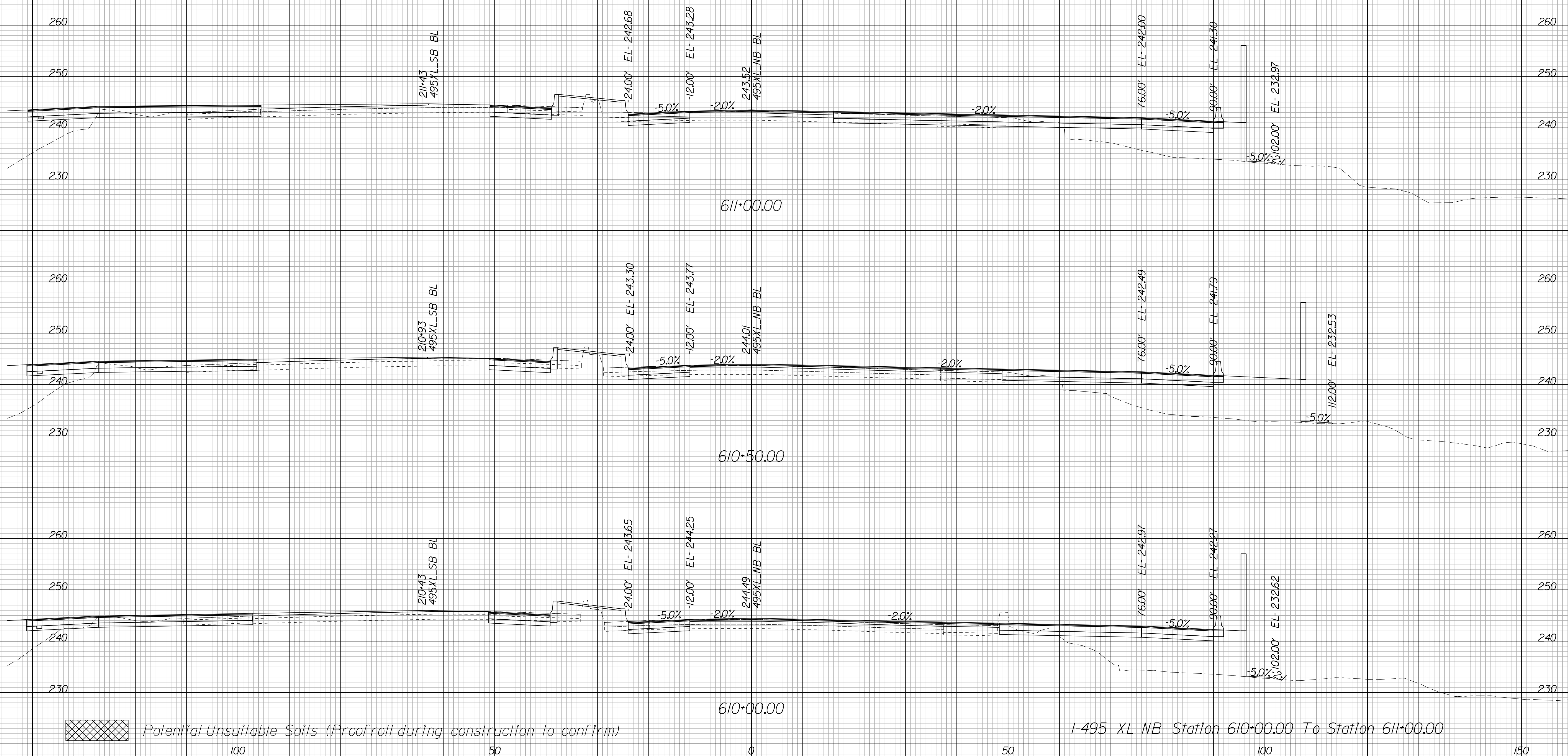
CROSS SECTIONS

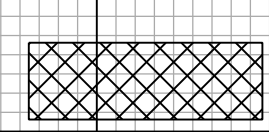
SCALE 1 IN. = 10 FT

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

REVIS	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X32

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 610+00.00 To Station 611+00.00

PROJECT	SHEET NO.
0495-029-419	X32

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

CROSS SECTIONS

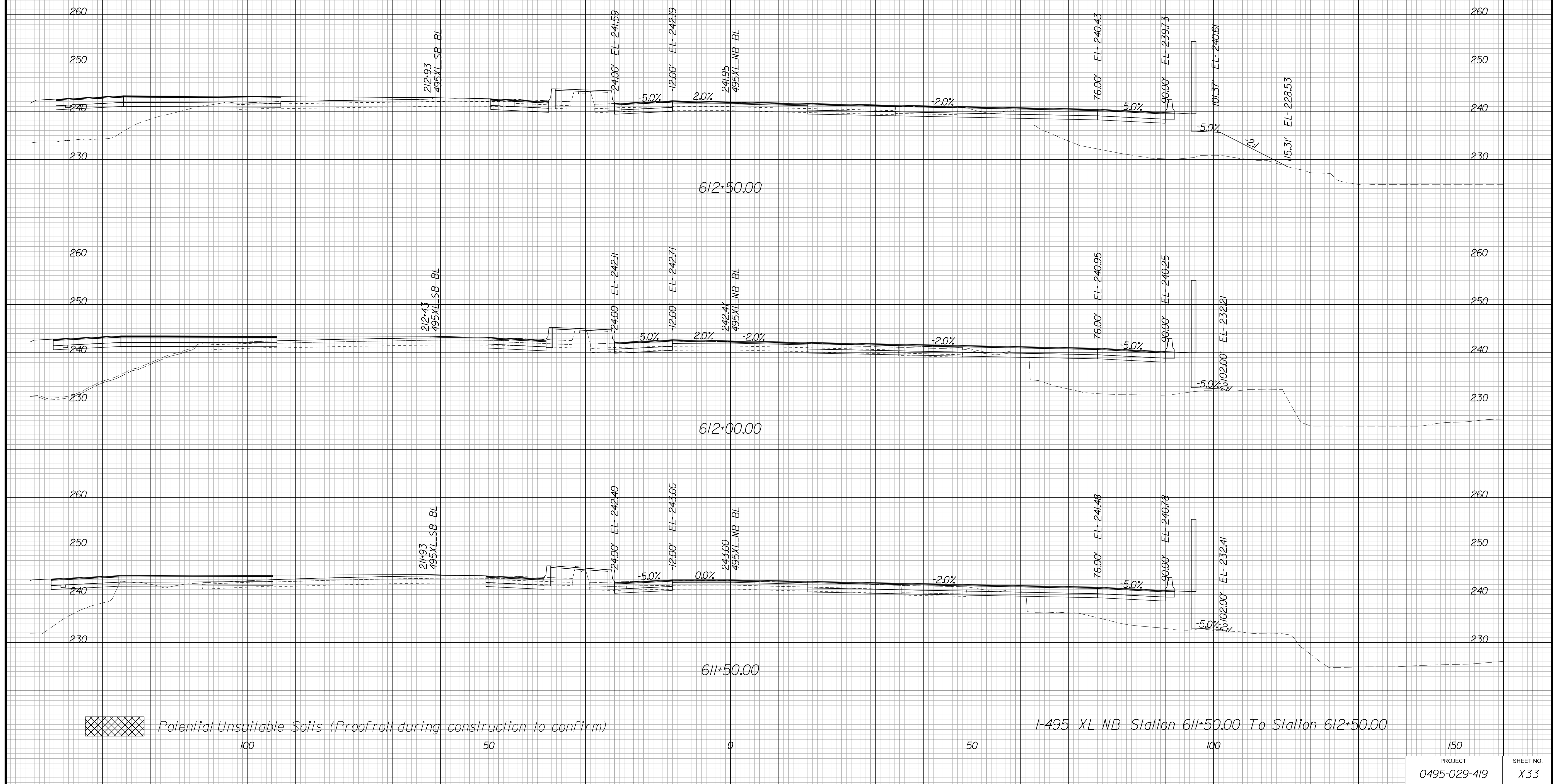
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X33

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

Begin Potential Sound Barrier I3D-7 Sta. 612+60.00
End Potential Sound Barrier I3D-6 and Retaining Wall 3



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

CROSS SECTIONS

SCALE 1 IN. = 10 FT

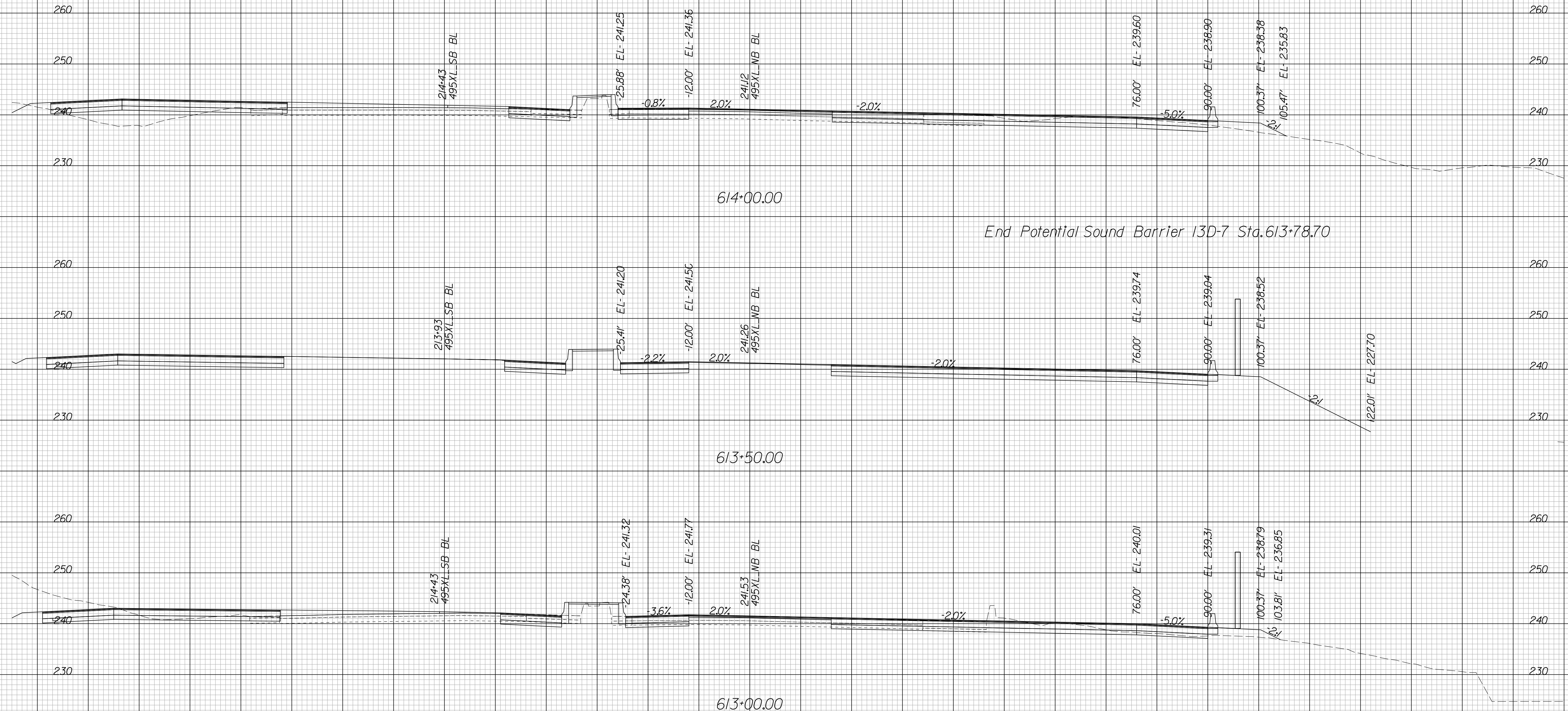
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

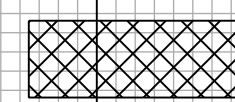
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X34

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

Begin Potential Sound Barrier 13D-8 Sta.614+35.01

End Potential Sound Barrier 13D-7 Sta.613+78.70



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL NB Station 613+00.00 To Station 614+00.00

PROJECT	SHEET NO.
0495-029-419	X34

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

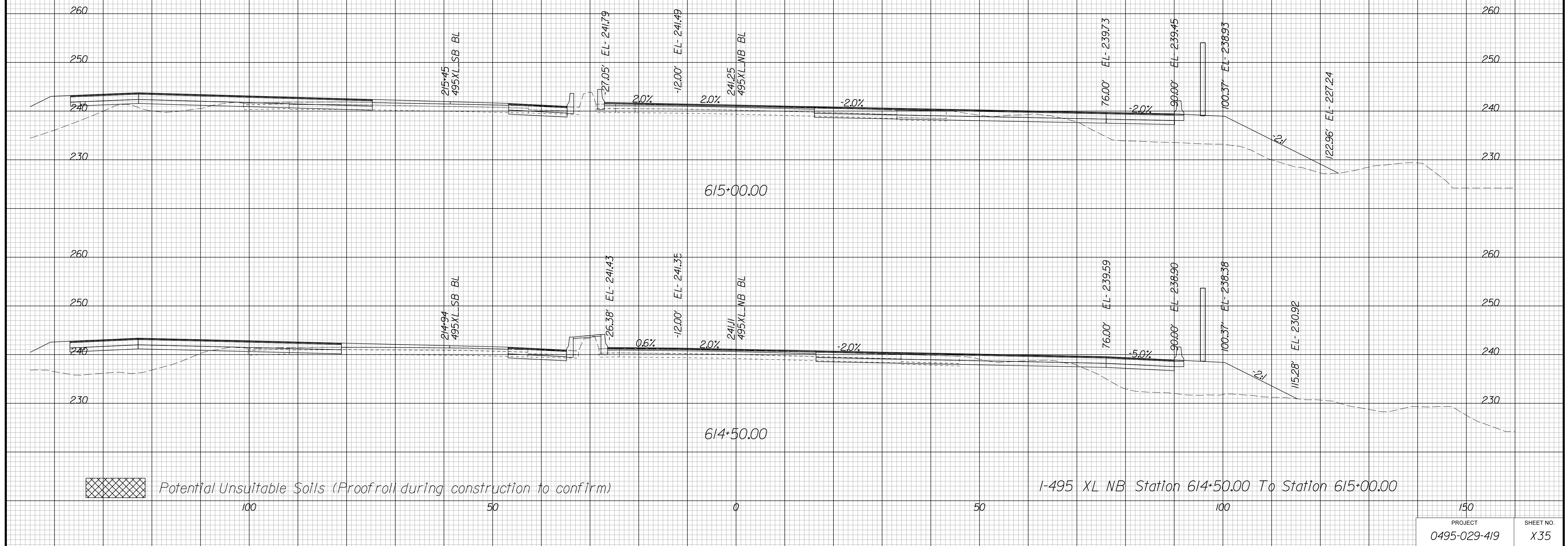
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X35

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 / Dawbergy - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 2019

CROSS SECTIONS

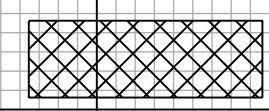
SCALE 1 IN. = 10 FT

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 PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X36

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Begin Construction I-495 GP NB Station 1069+62.75
I-495 GP NB Station 1071+00.00 To Station 1071+00.00

150	
PROJECT	SHEET NO.
0495-029-419	X36

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Drawberry - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019

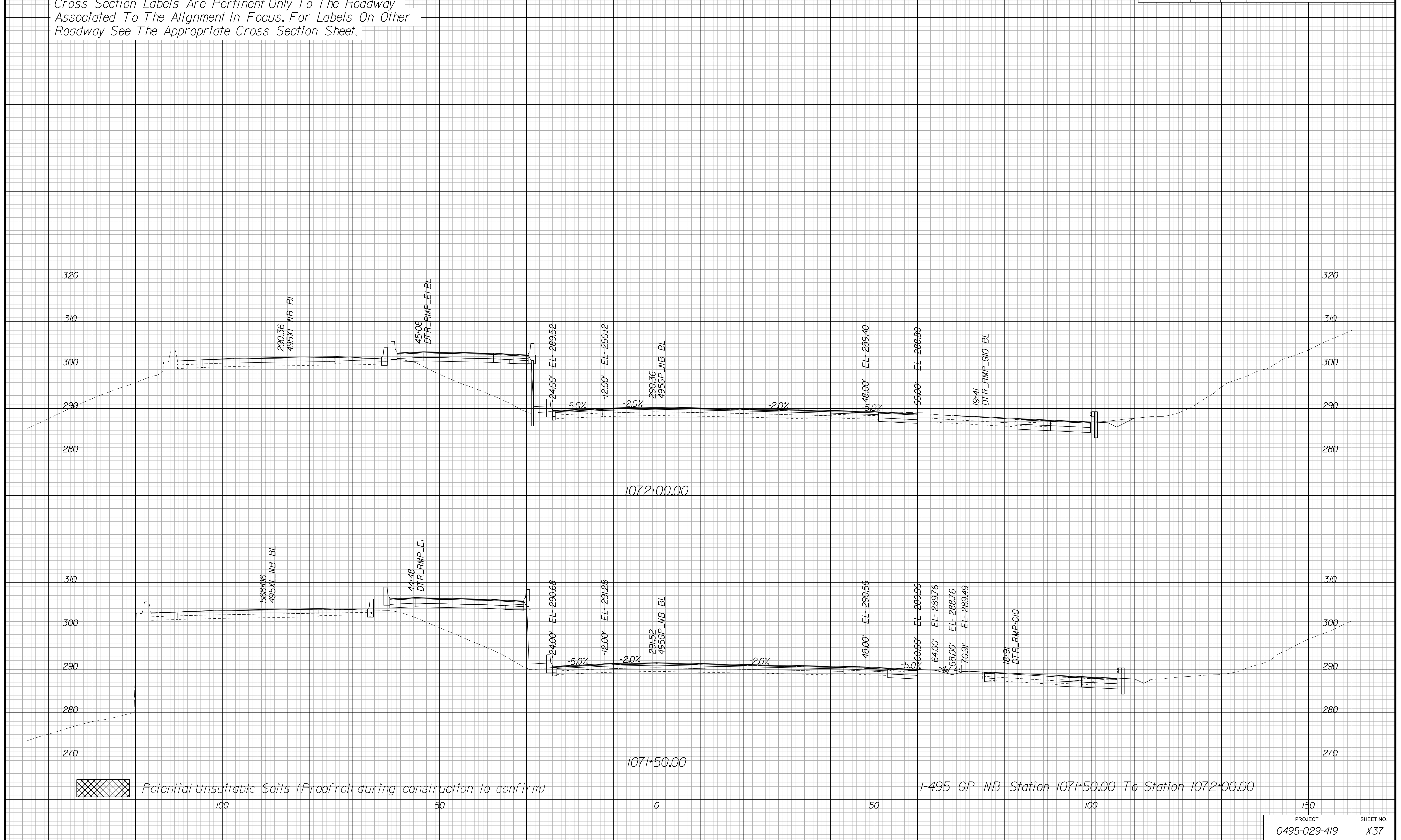
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X37

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT	SHEET NO.
0495-029-419	X37

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Dawbergy - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019

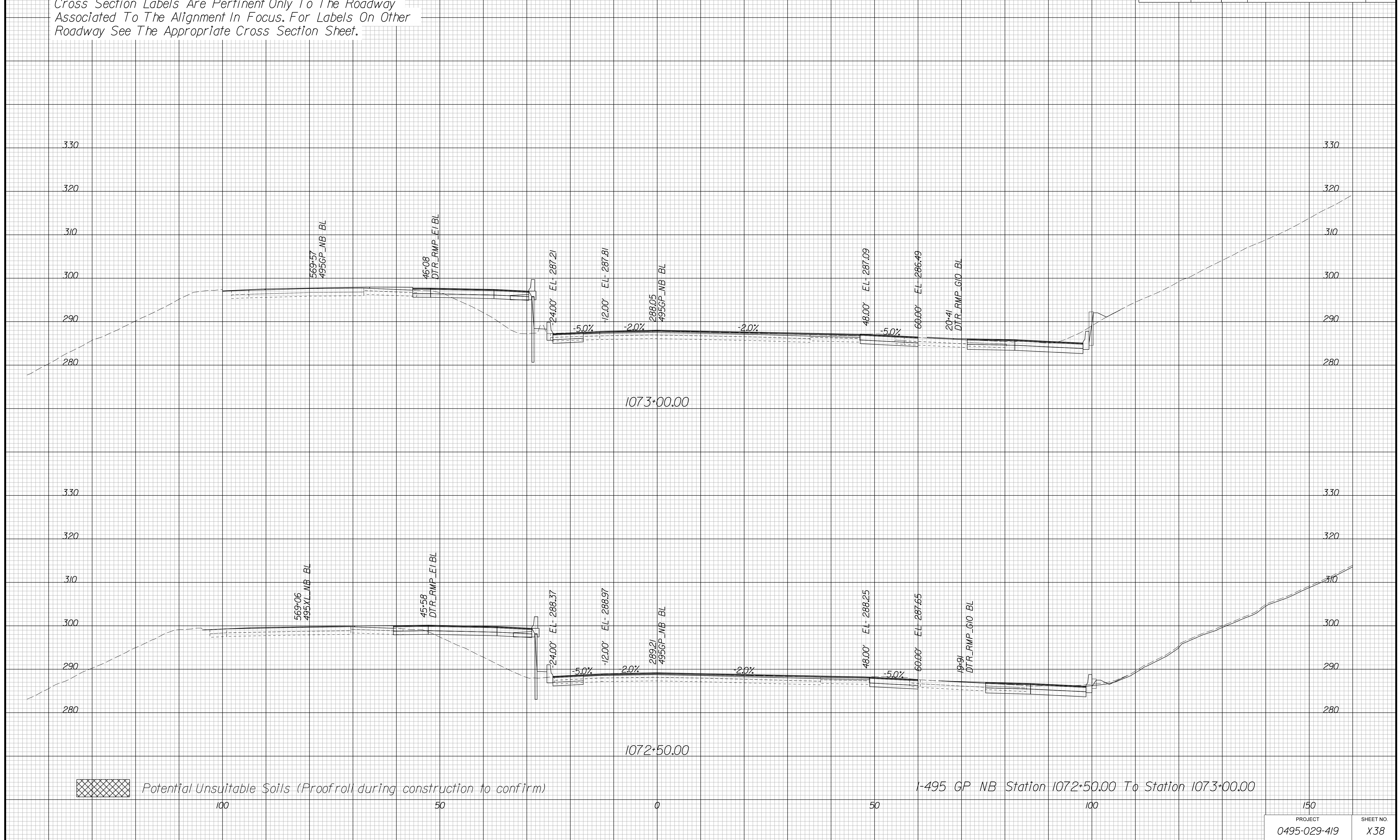
CROSS SECTIONS

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.	495	0495-029-419	X38

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Dawbergy - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019

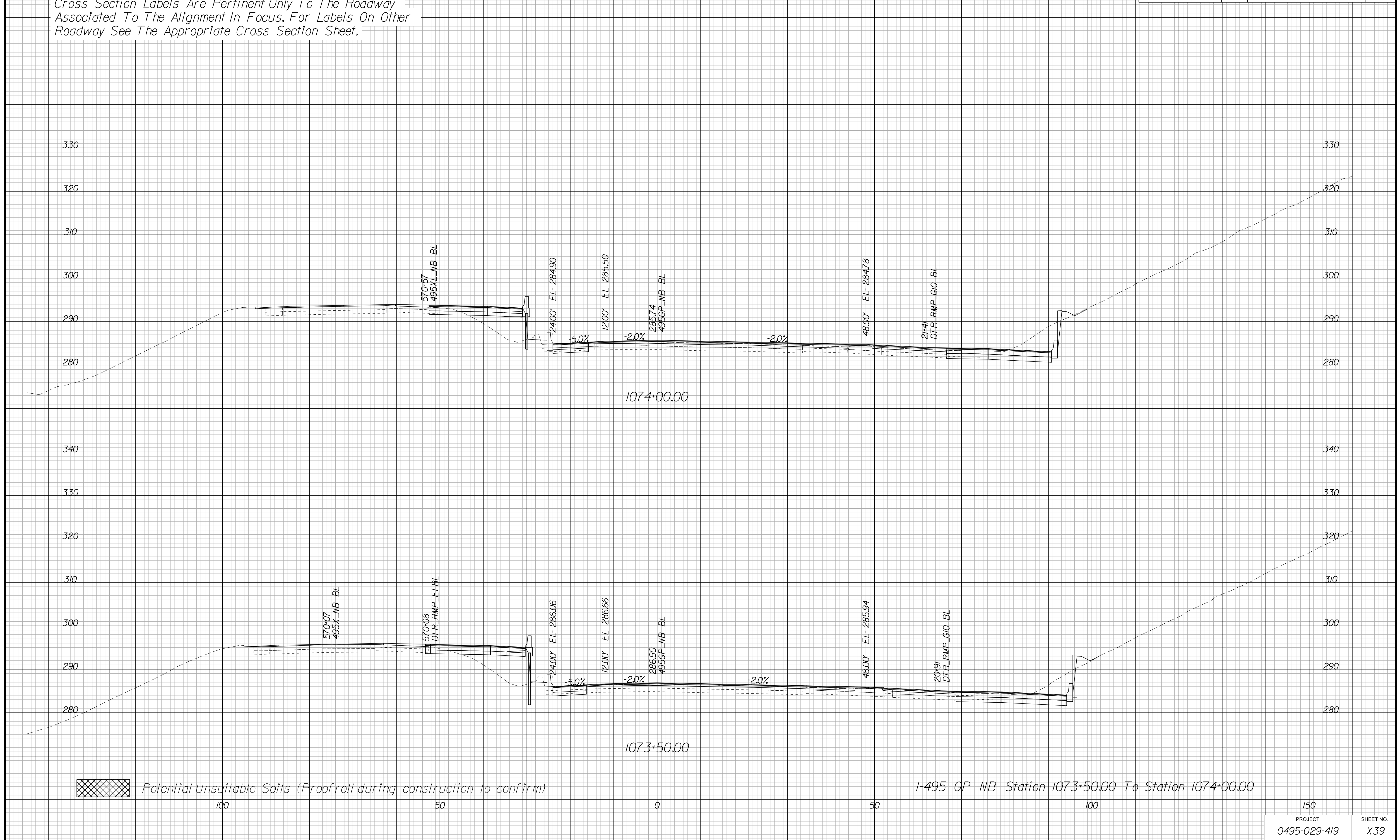
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X39

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Bick Delang PE (521) 719-6471 Drawberry - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019

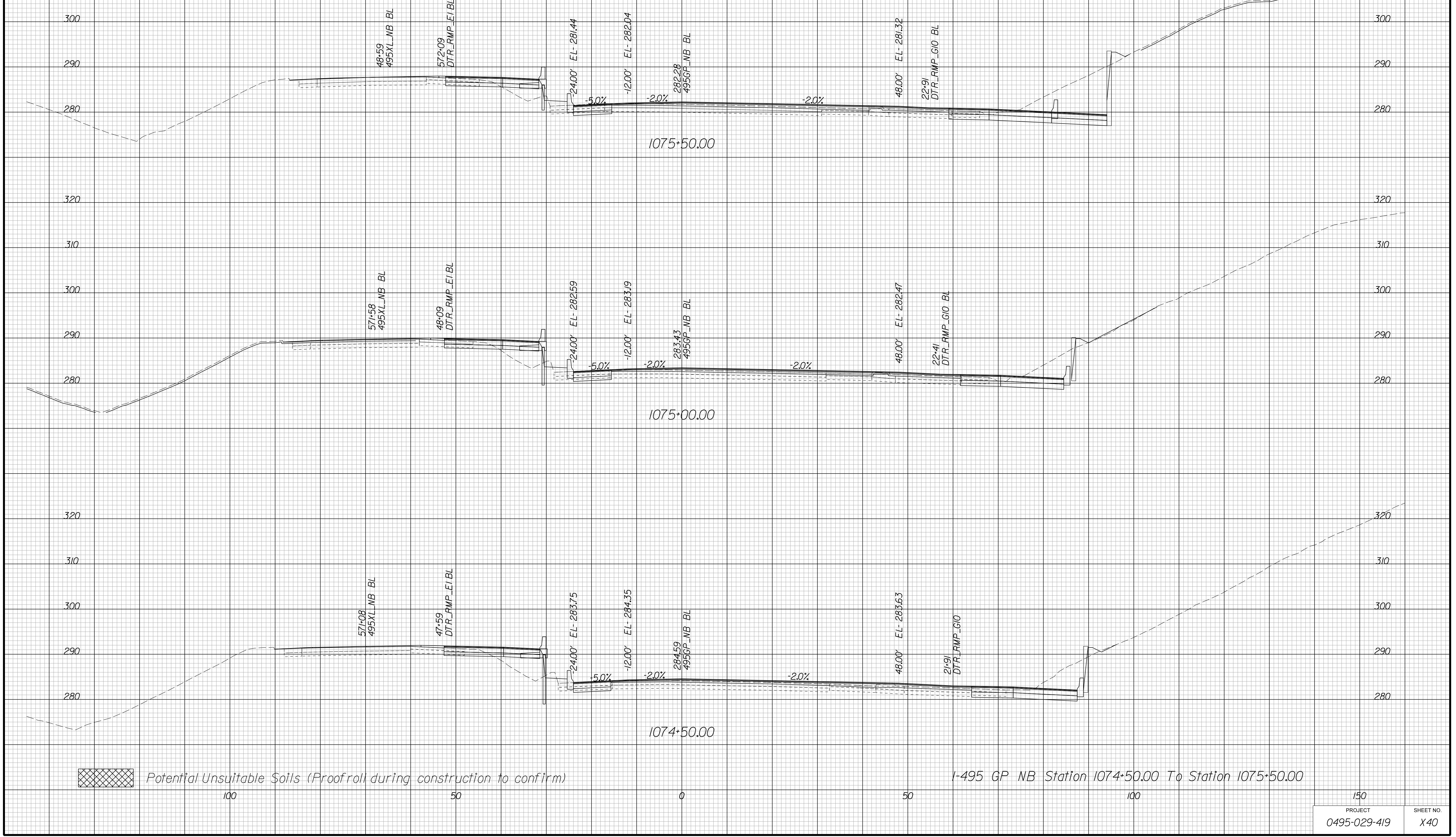
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X40

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



I-495 GP NB Station 1074+50.00 To Station 1075+50.00

PROJECT	SHEET NO.
0495-029-419	X40

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Black Delong PE (521) 719-6471 Drawberry - Rao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019

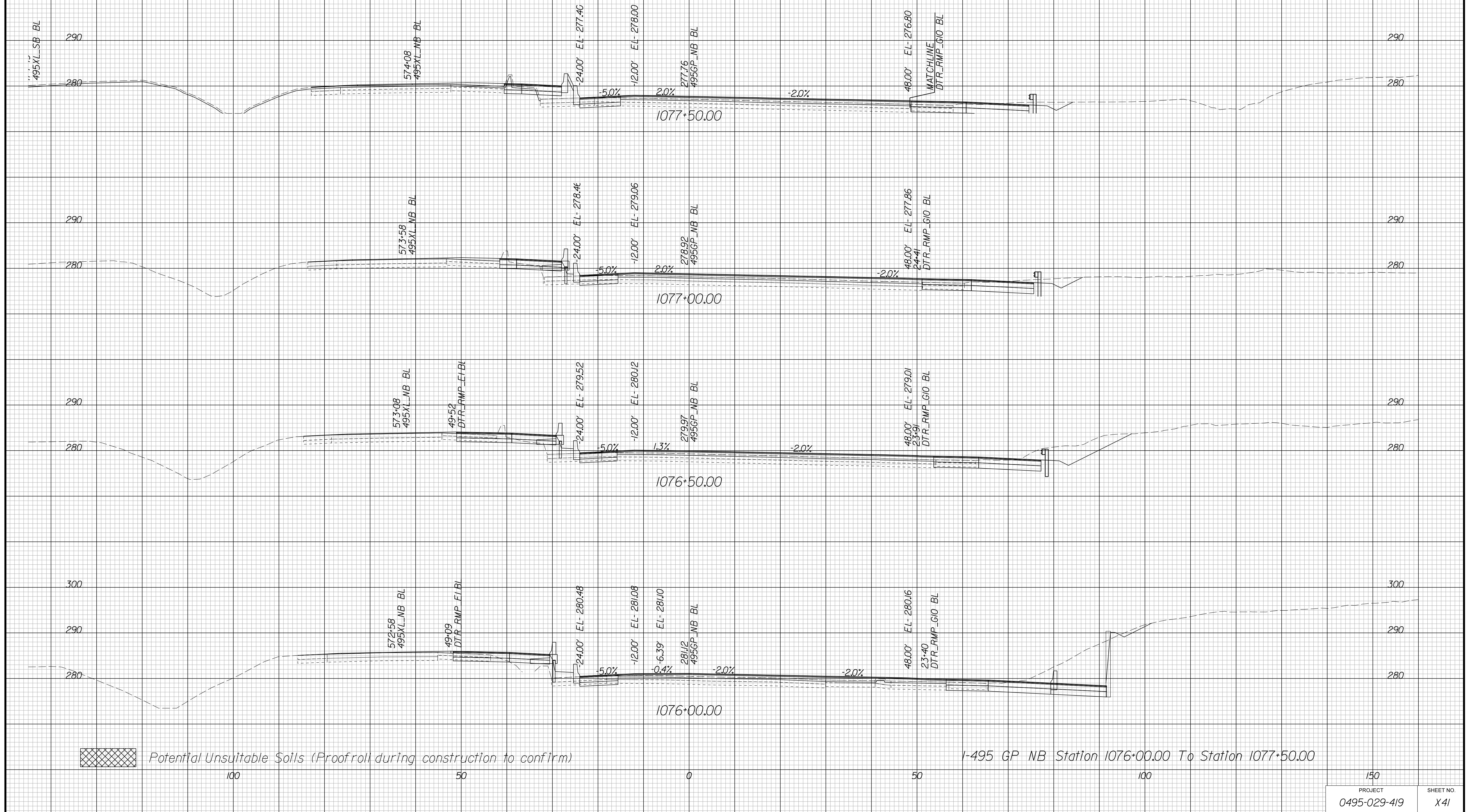
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X41

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837 / 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471 Drawberg - Rao Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837 / 1/2019

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

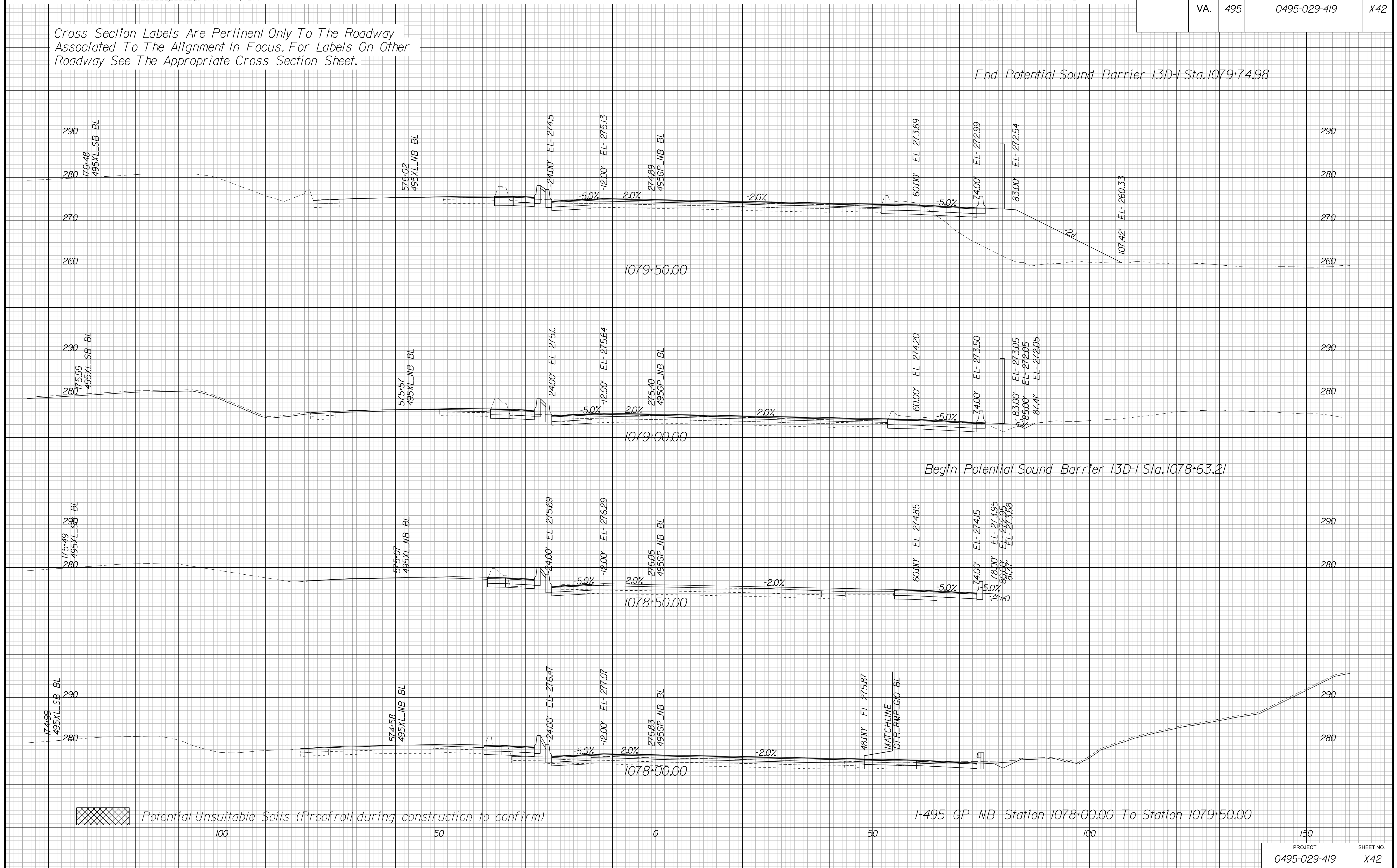
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X42

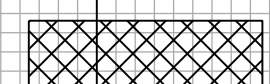
Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

End Potential Sound Barrier 13D-I Sta.1079+74.98

Begin Potential Sound Barrier 13D-I Sta.1078+63.21

I-495 GP NB Station 1078+00.00 To Station 1079+50.00



 Potential Unsuitable Soils (Proofroll during construction to confirm)

100 50 0 50 100 150

PROJECT	SHEET NO.
0495-029-419	X42

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Dawbergy - Rao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019

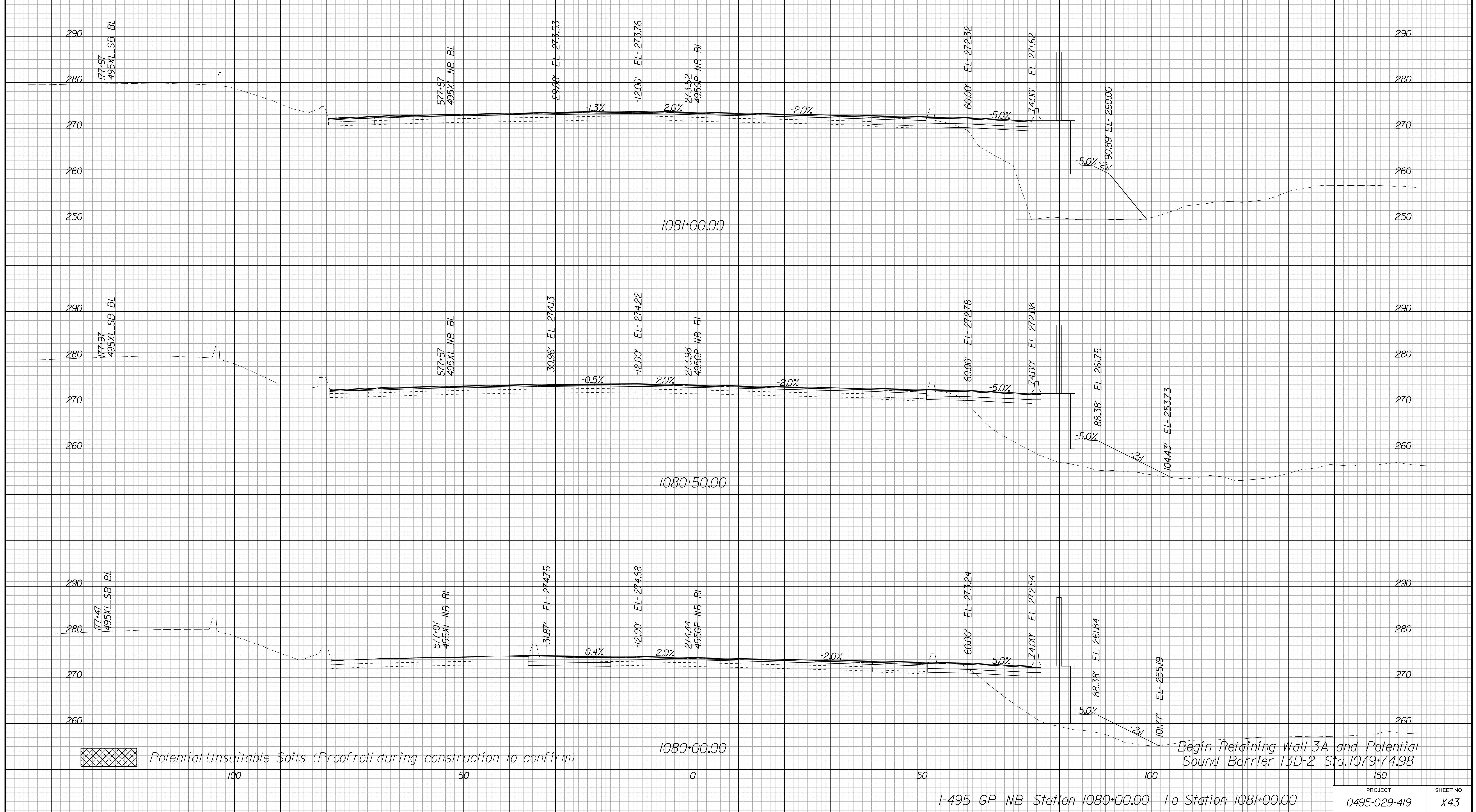
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X43

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471 Drawberry - Rao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 1/2019

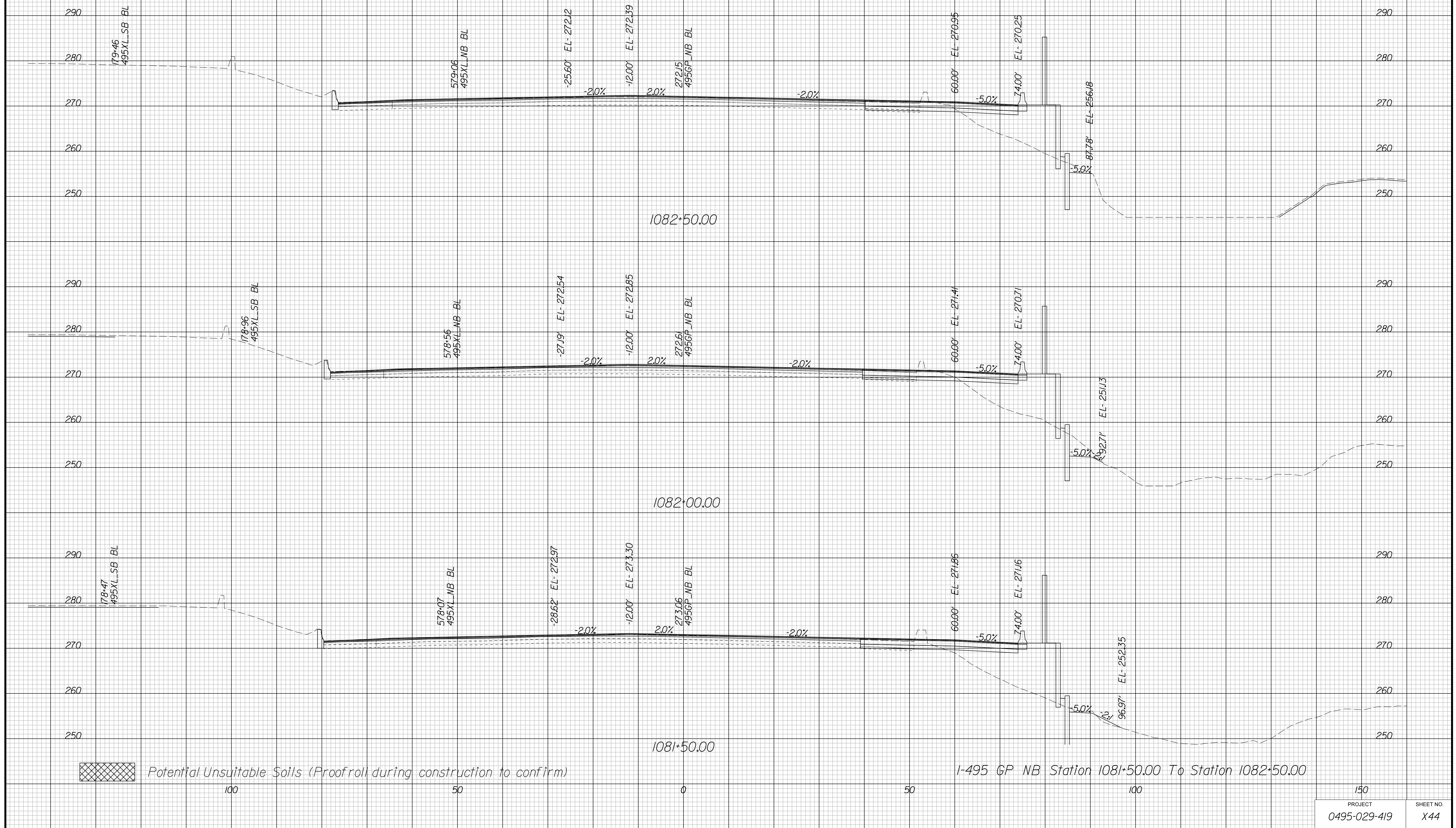
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X44

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kouyoulis LS (703) 334-0837 / 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471 / Dawbergy - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kouyoulis LS (703) 334-0837 / 1/2019

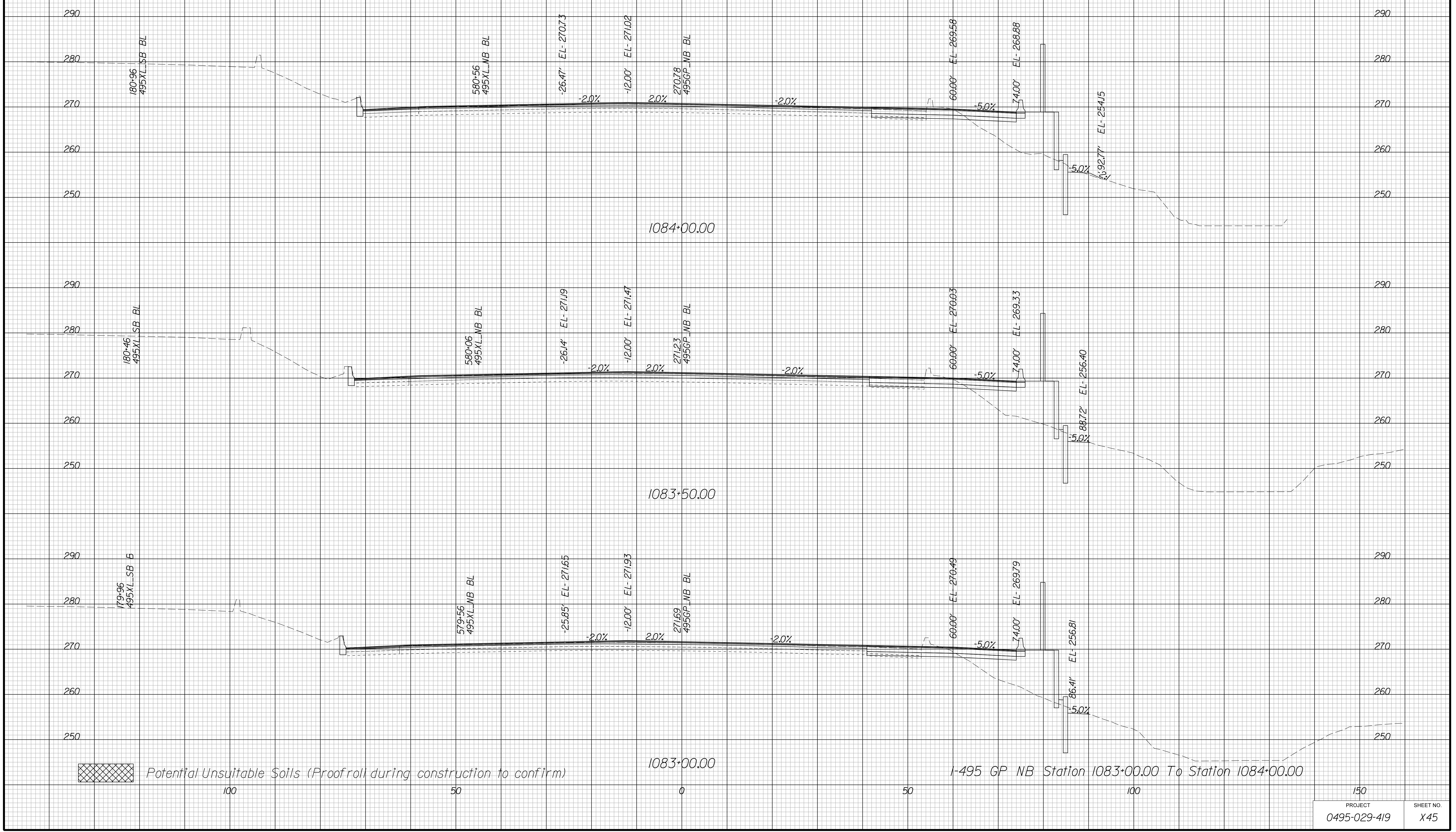
CROSS SECTIONS

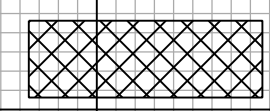
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X45

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

1-495 GP NB Station 1083+00.00 To Station 1084+00.00

PROJECT	SHEET NO.
0495-029-419	X45

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougioulis LS(703) 334-0837 / 2019
DESIGN BY BDA - Bick DeLong PE(501) 719-6471/Dawbergy - Rao Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougioulis LS(703) 334-0837 / 2019

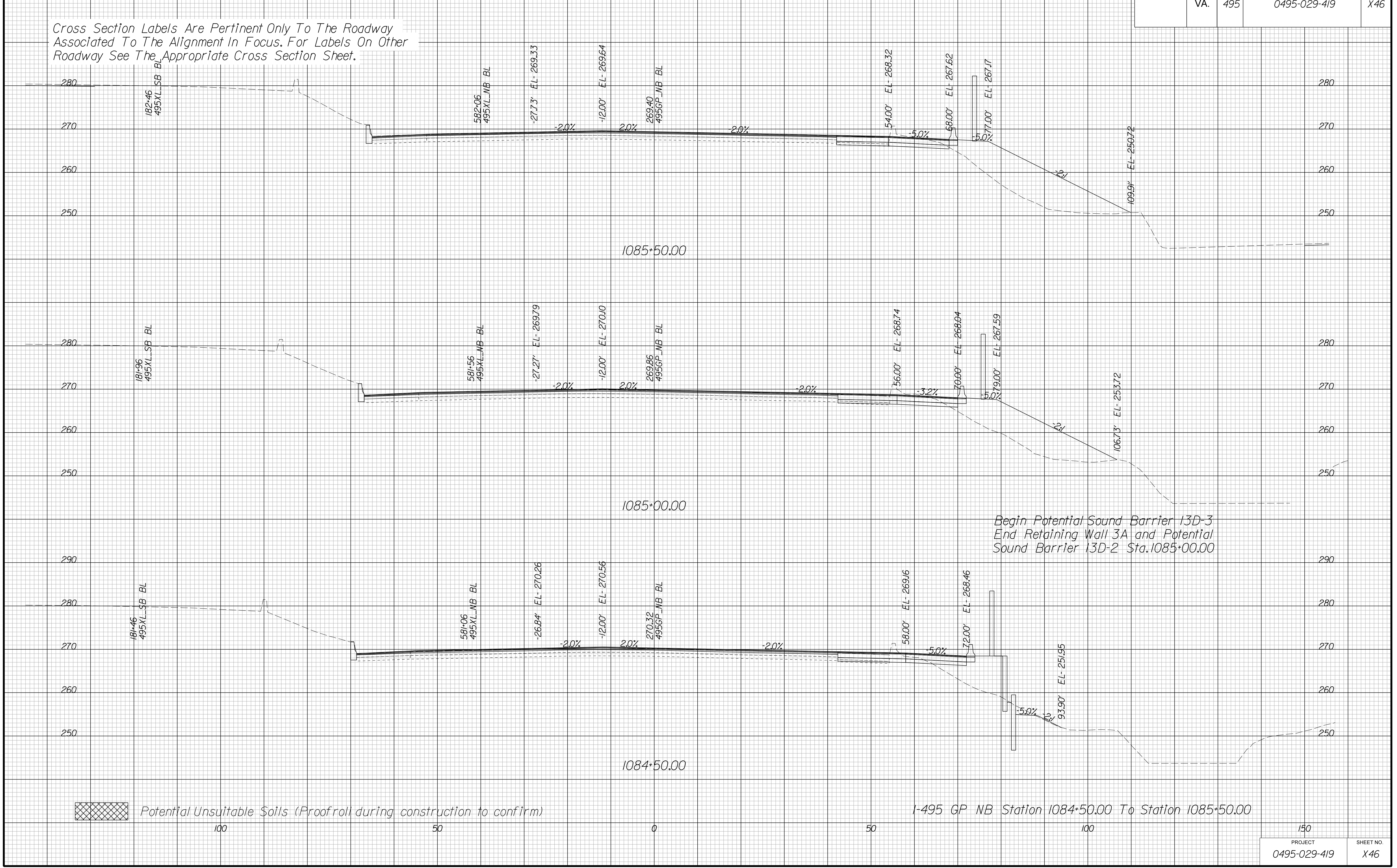
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X46

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kougoulis LS(703) 334-0837 / 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471 Drawberg - Pao Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kougoulis LS(703) 334-0837 / 1/2019

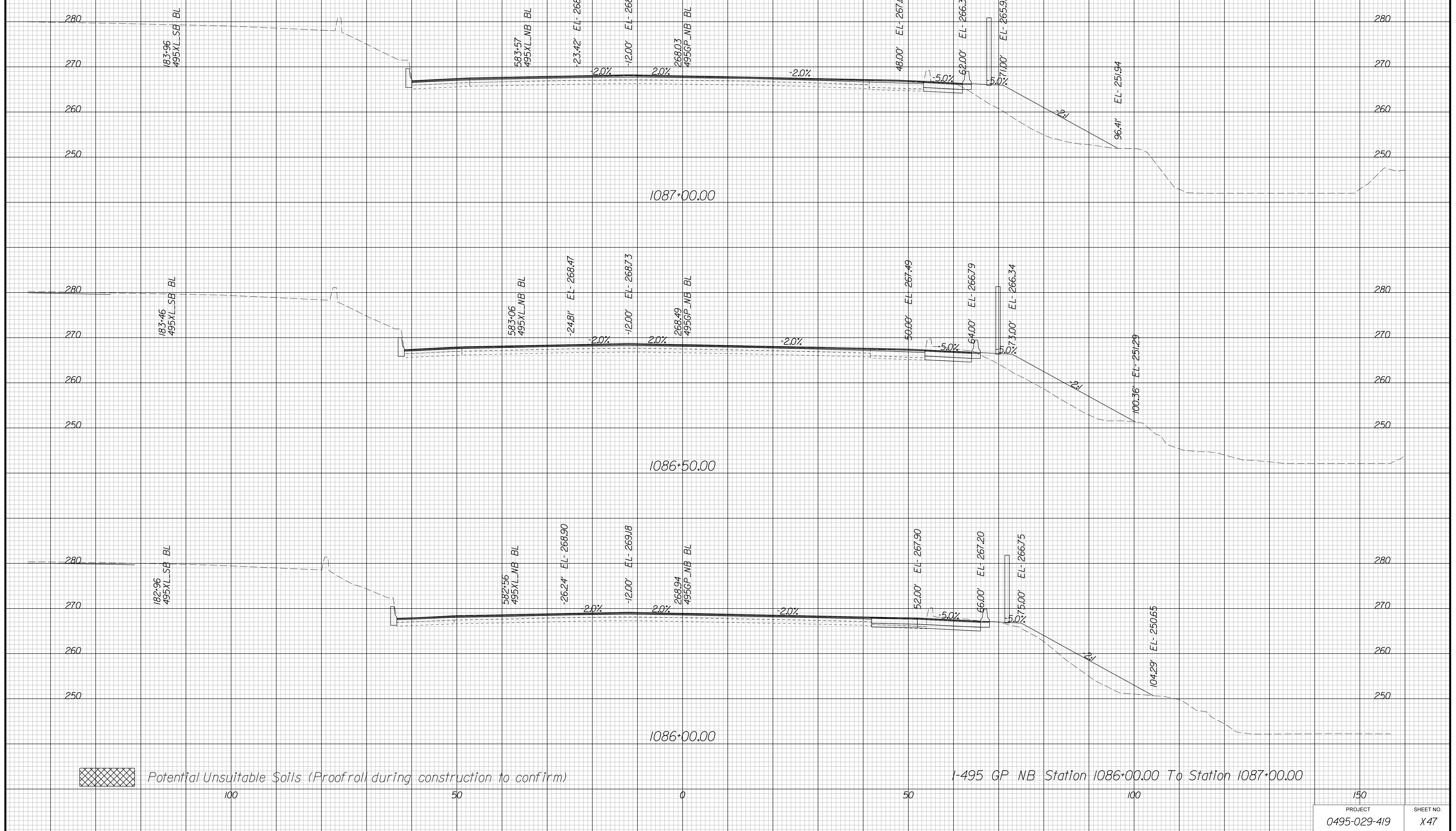
CROSS SECTIONS

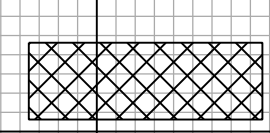
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X47

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 GP NB Station 1086+00.00 To Station 1087+00.00

PROJECT	SHEET NO.
0495-029-419	X47

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kouyoulis LS(703) 334-0837 / 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471 Drawberg, -Pao Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kouyoulis LS(703) 334-0837 / 1/2019

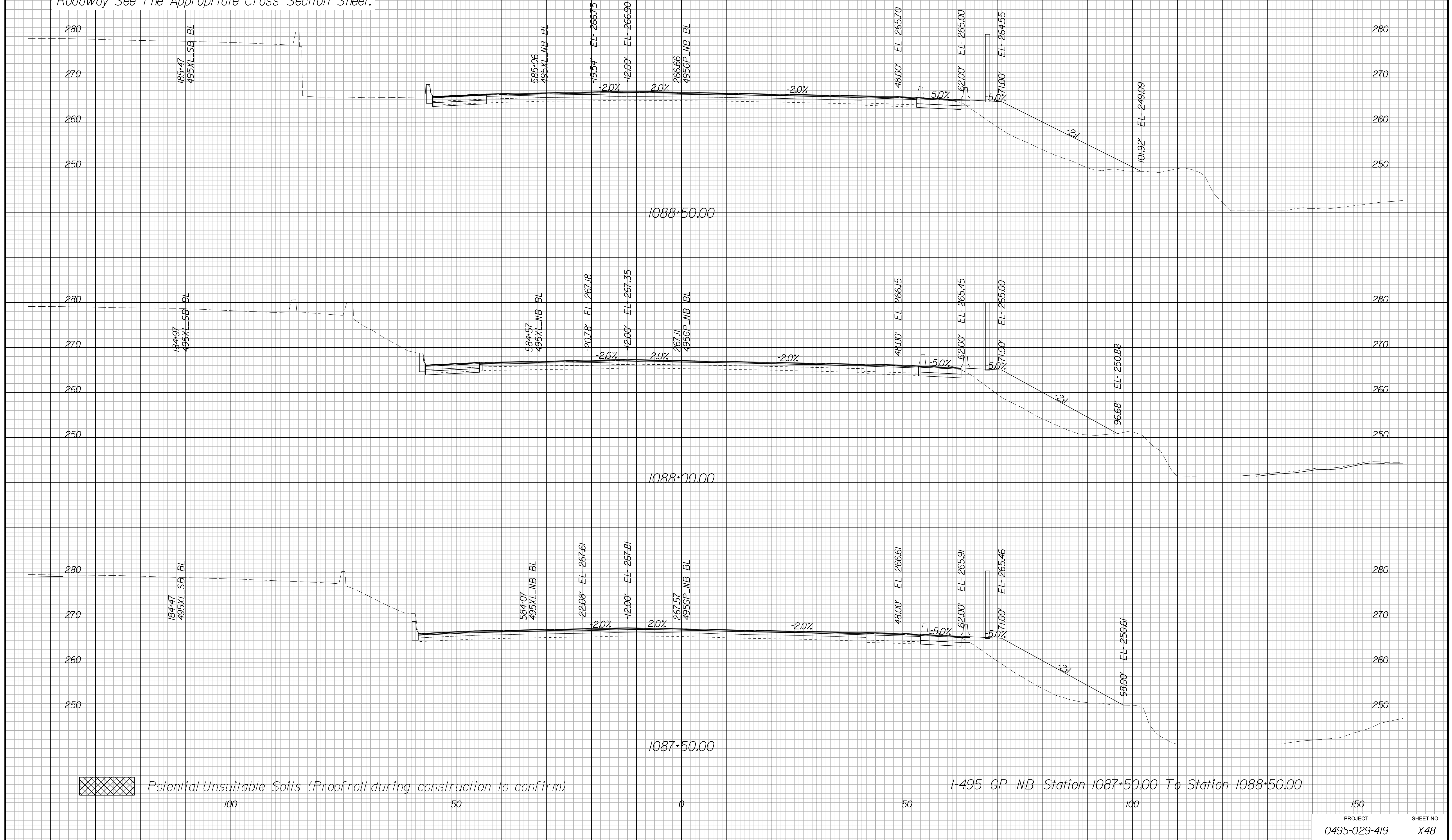
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X48

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Drawberry - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 2019

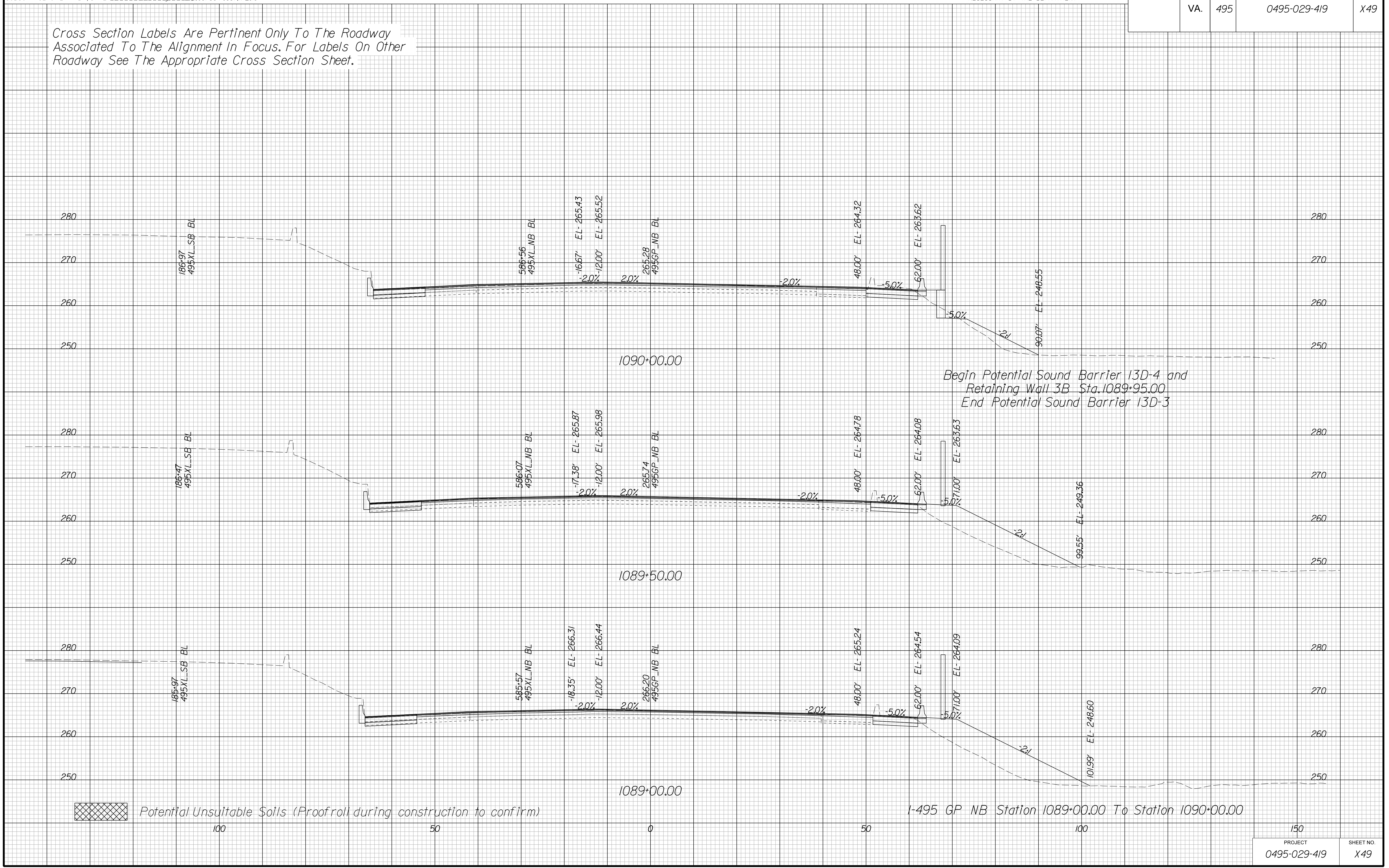
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X49

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Drawberg - Pao Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 / 2019

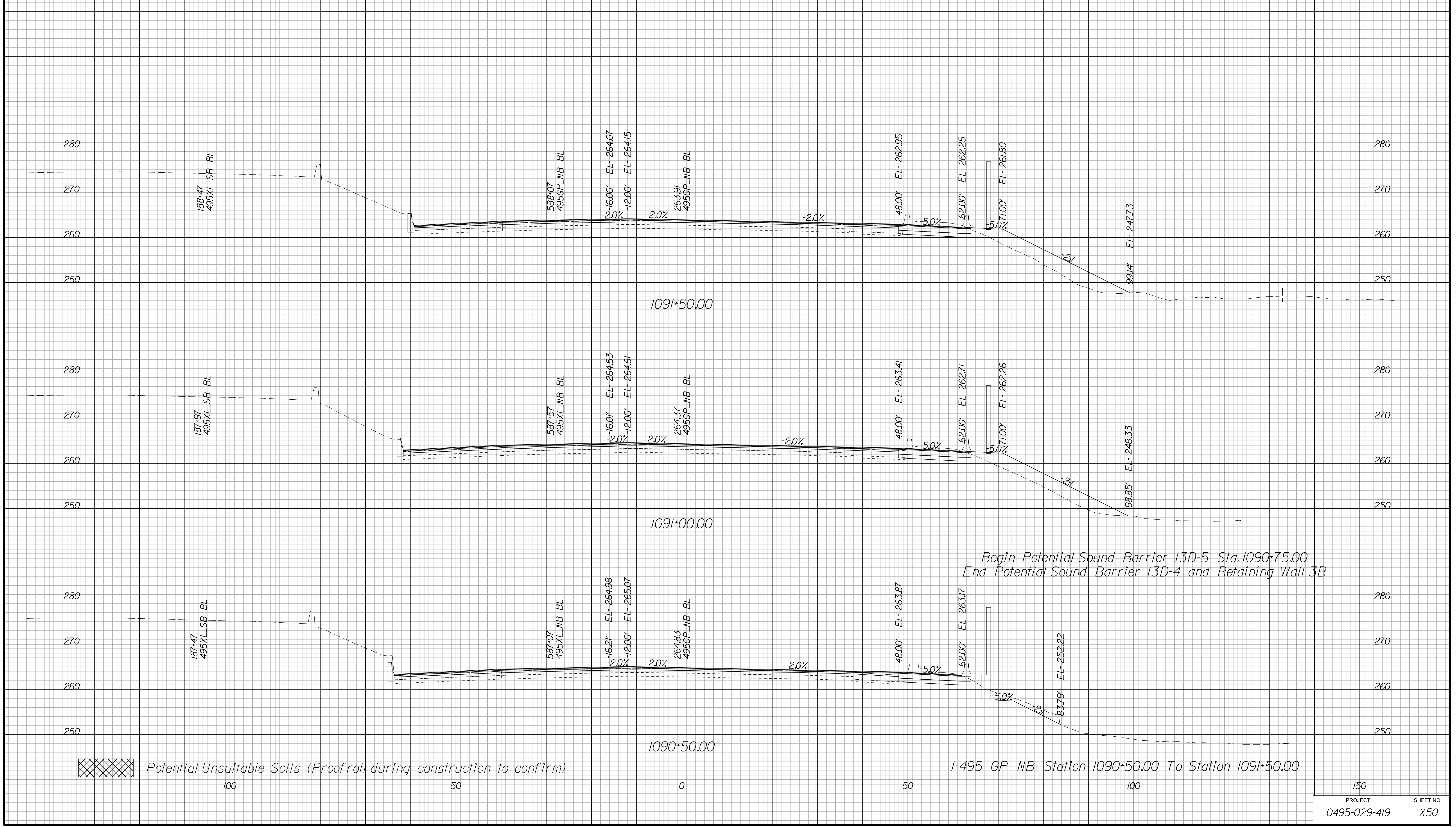
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X50

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



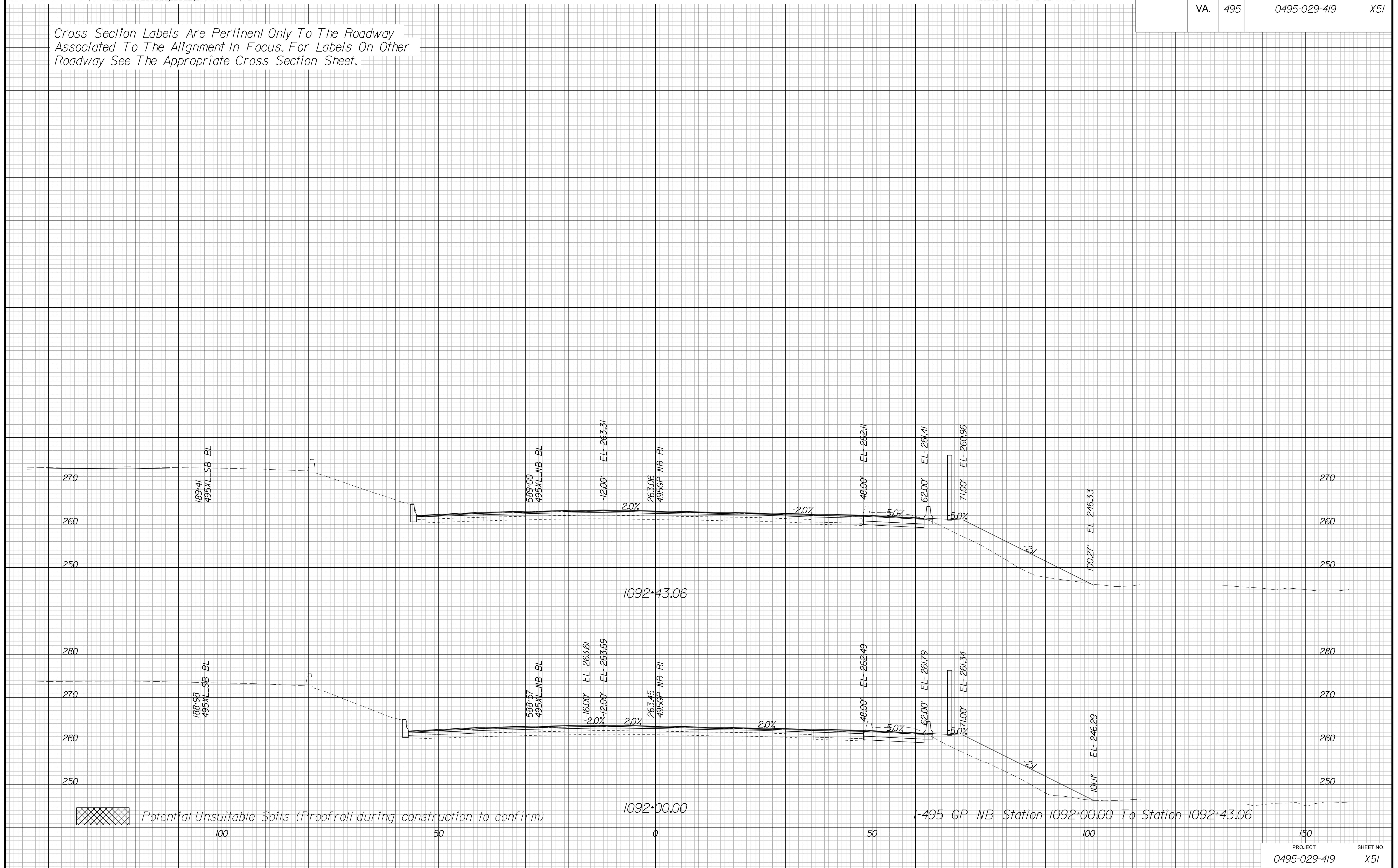
PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
 SURVEYED BY, DATE BDA - Nicholas Kougiulis LS (703) 334-0837 / 1/2019
 DESIGN BY BDA - Blck Delang PE (52) 719-6471 Drawberry - Pan Jakominich PE (703) 849-0651
 SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougiulis LS (703) 334-0837 / 1/2019

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	ROUTE	STATE	PROJECT	SHEET NO.
		VA.	495		0495-029-419

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

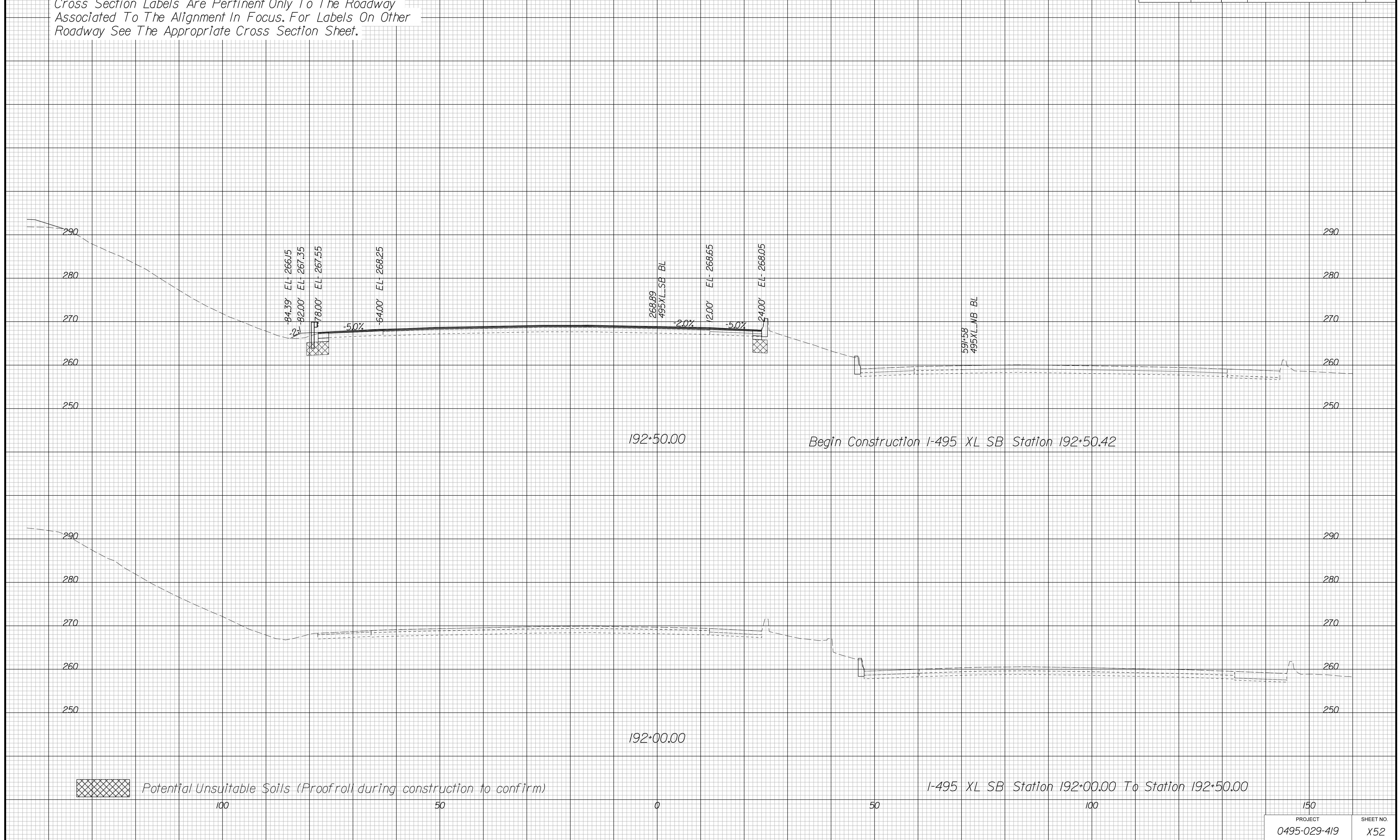
CROSS SECTIONS

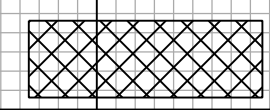
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
		VA.	495		

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL SB Station 192+00.00 To Station 192+50.00

PROJECT	SHEET NO.
0495-029-419	X52

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

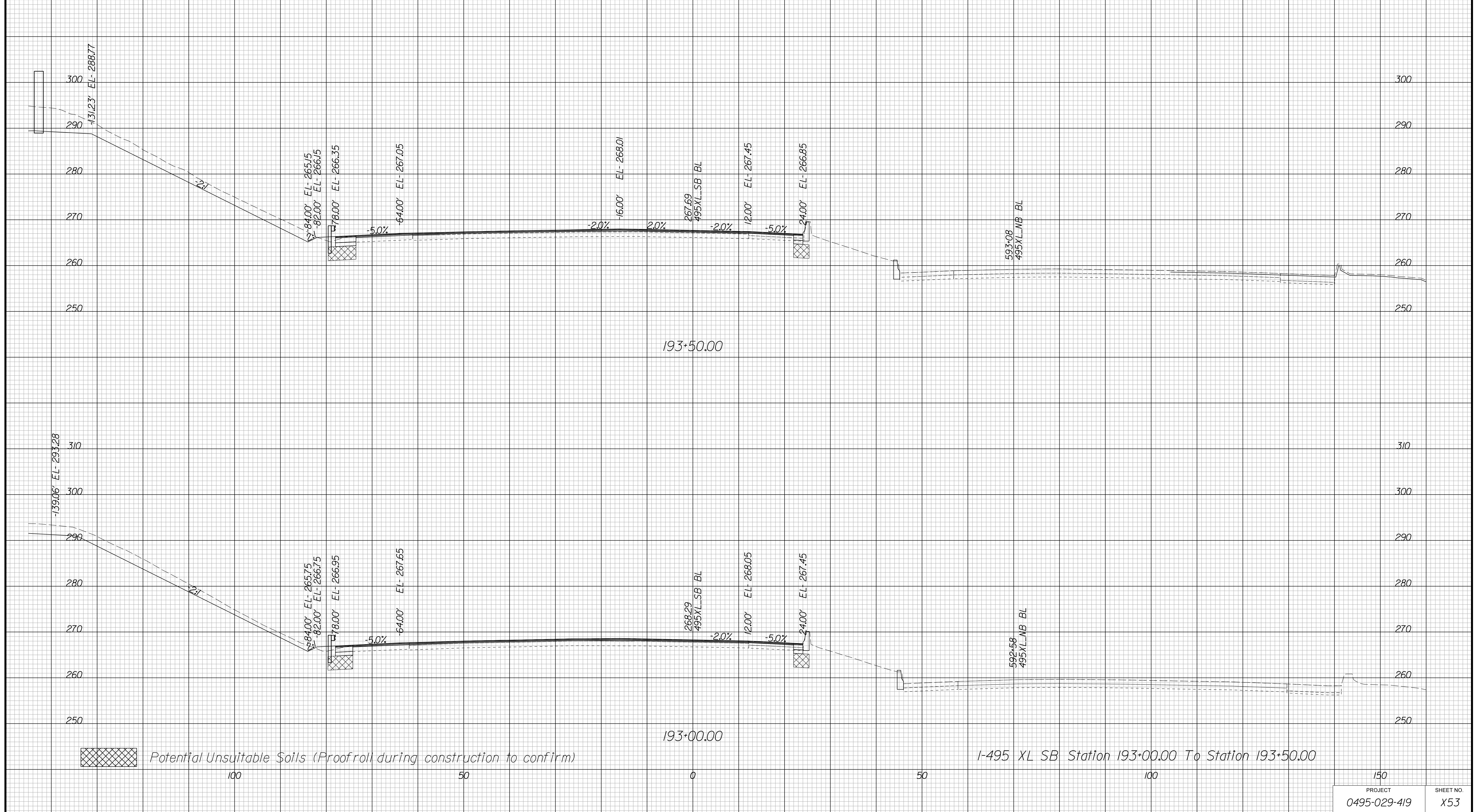
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X53

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

CROSS SECTIONS

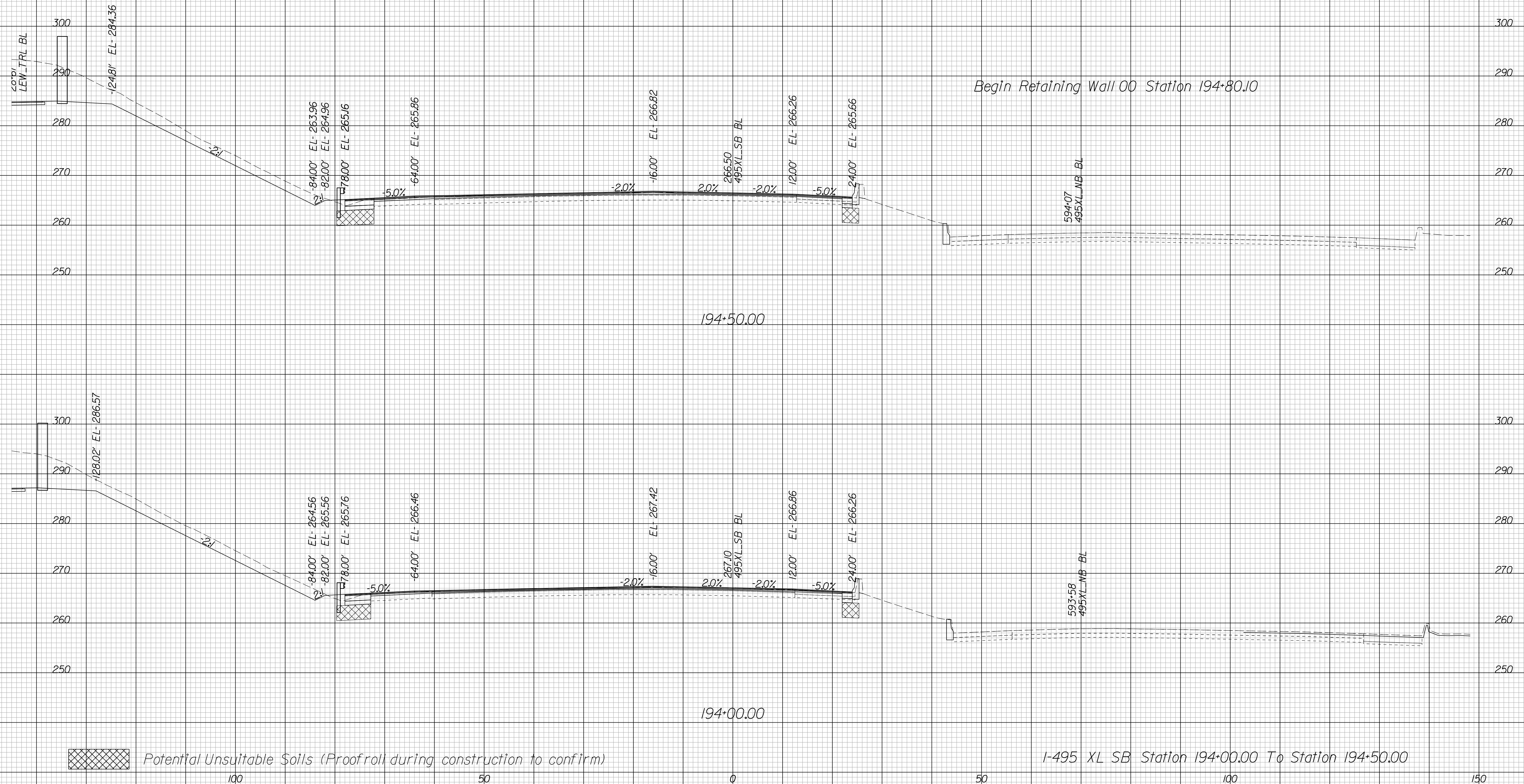
SCALE 1 IN. = 10 FT

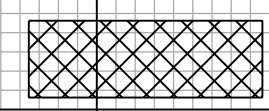
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X54

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

Begin Retaining Wall 00 Station 194+80.10



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL SB Station 194+00.00 To Station 194+50.00

150	PROJECT	SHEET NO.
0495-029-419	0495-029-419	X54

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE(52) 719-6471, Dewberry - Ben Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

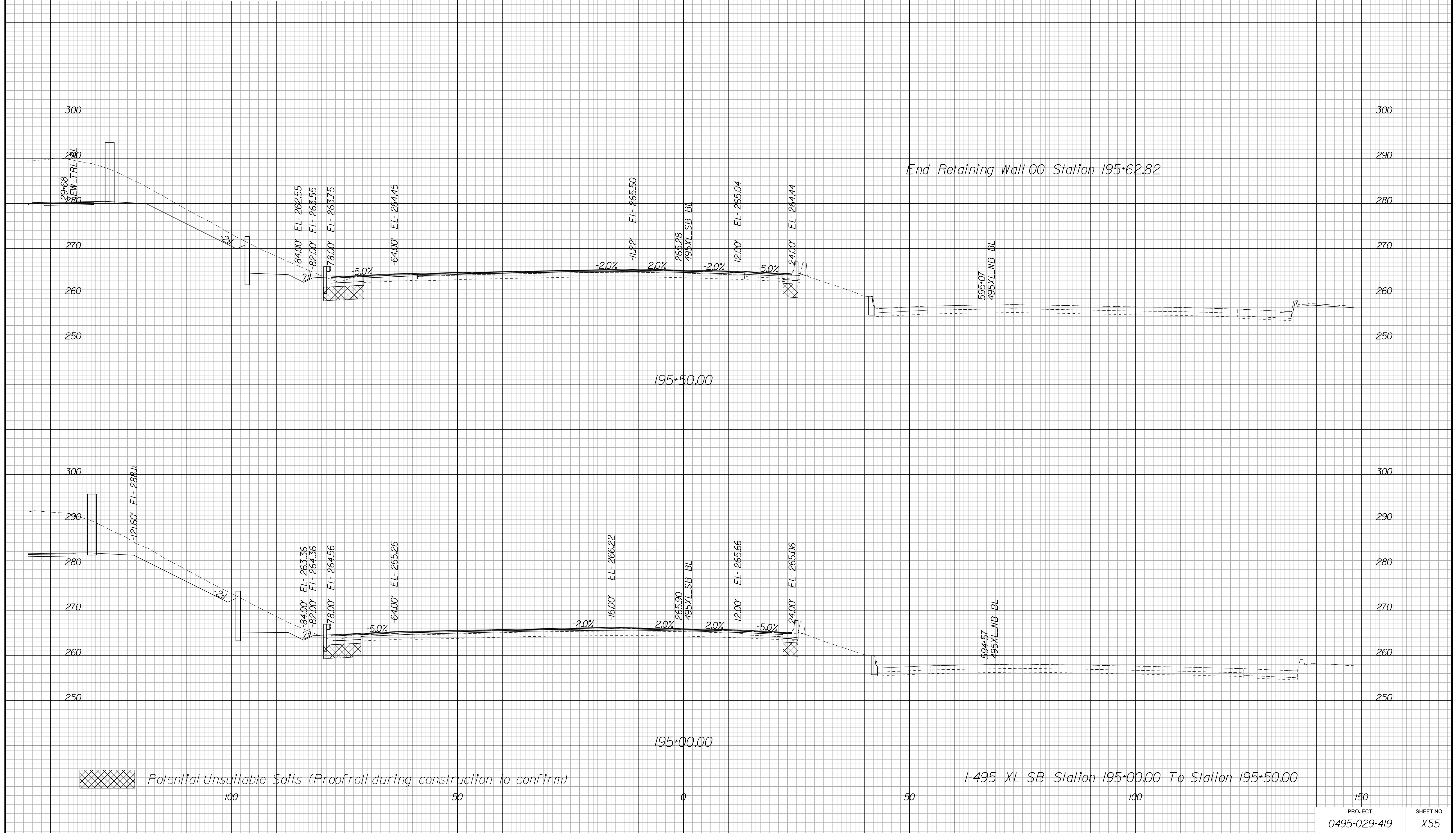
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X55

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (521) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

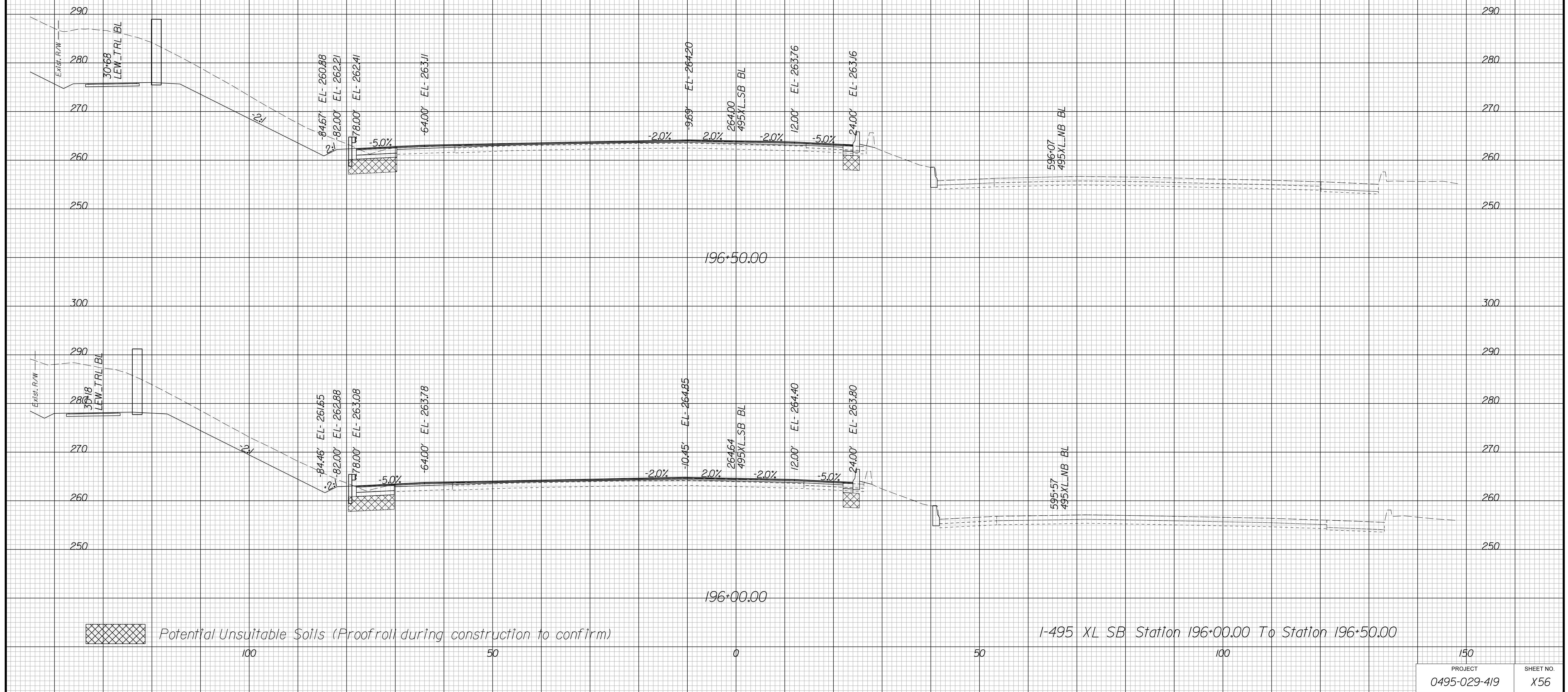
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
		VA.	495		

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

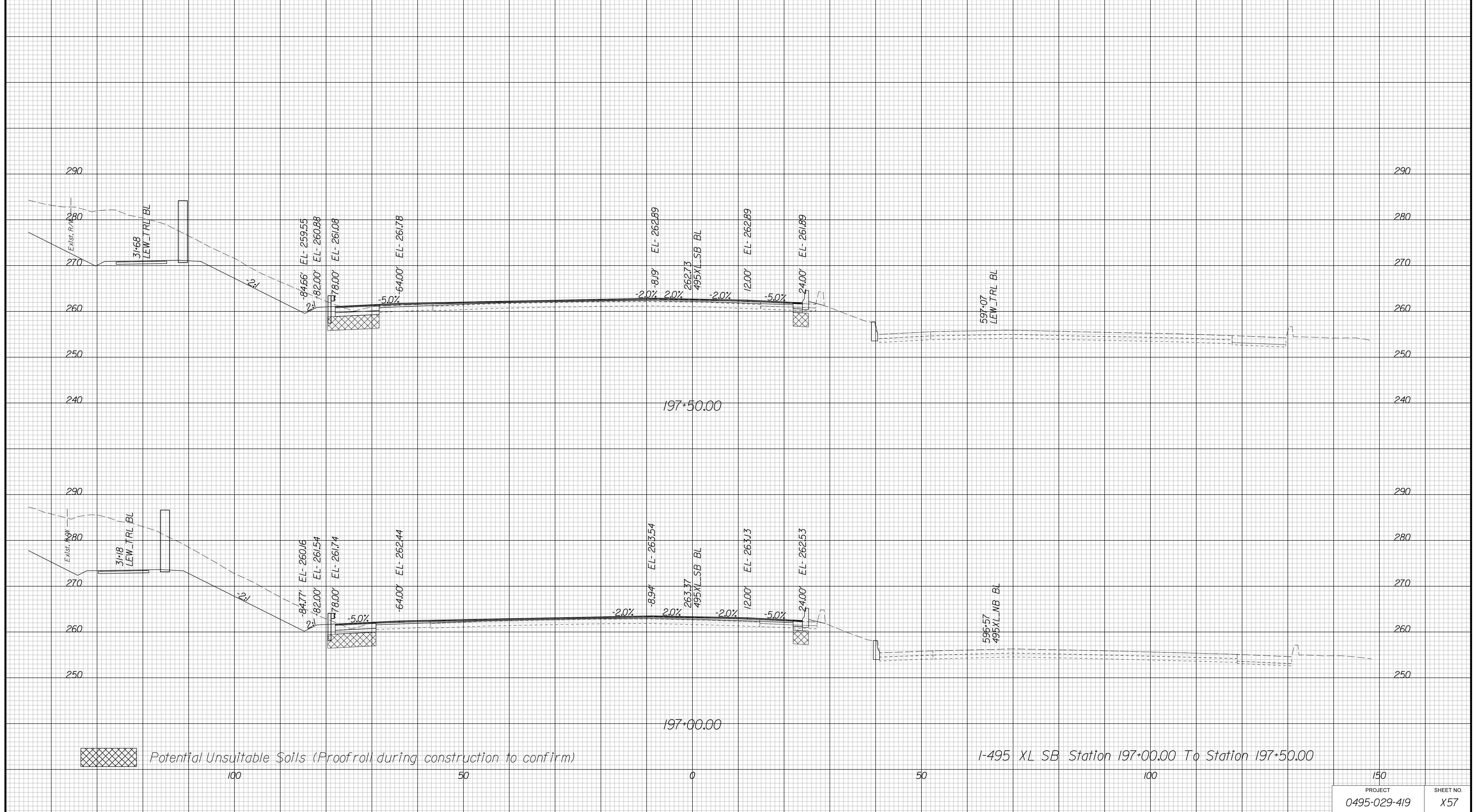
CROSS SECTIONS

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	ROUTE	PROJECT	
	VA.	495		0495-029-419	X57

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

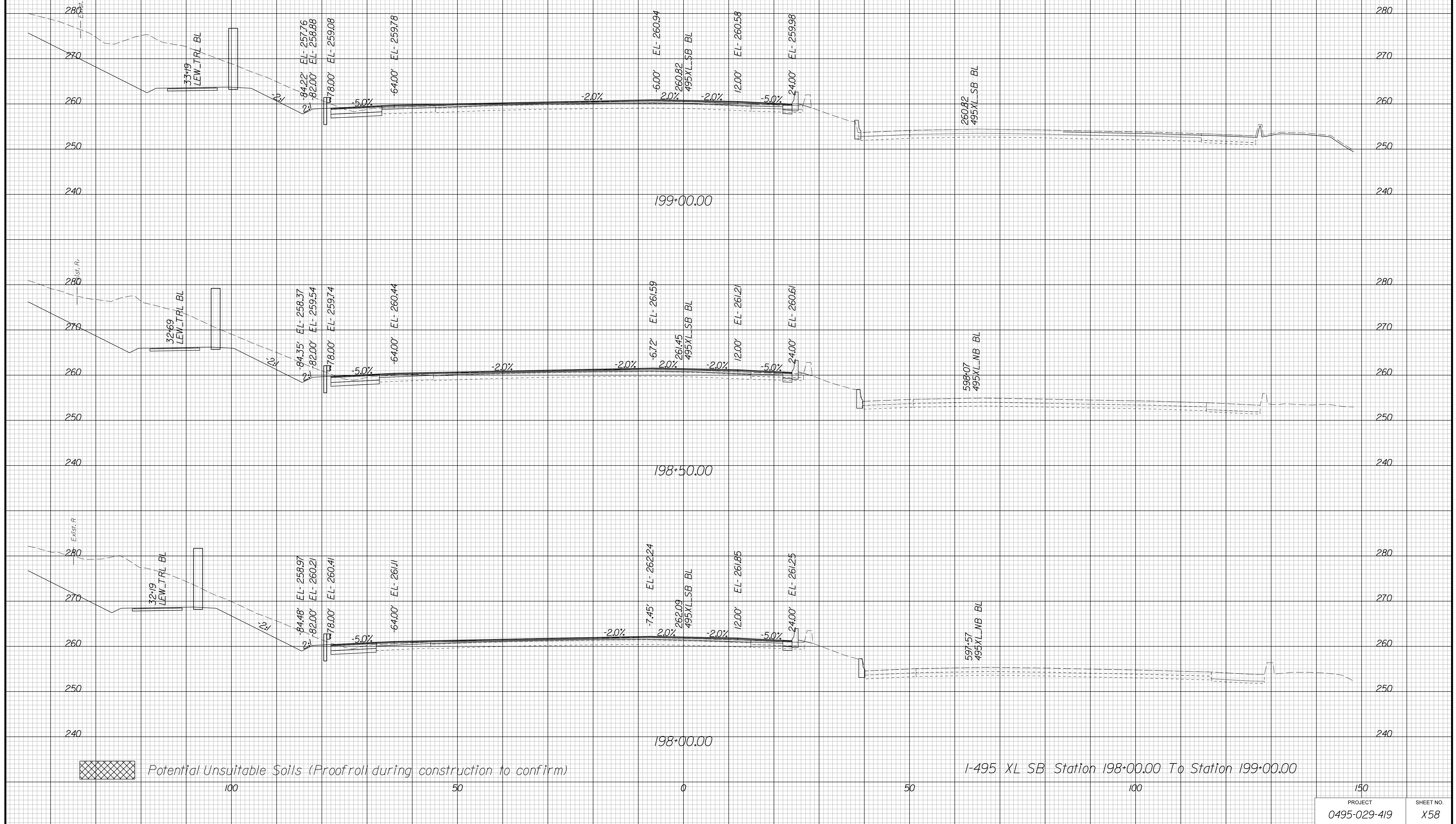
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X58

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

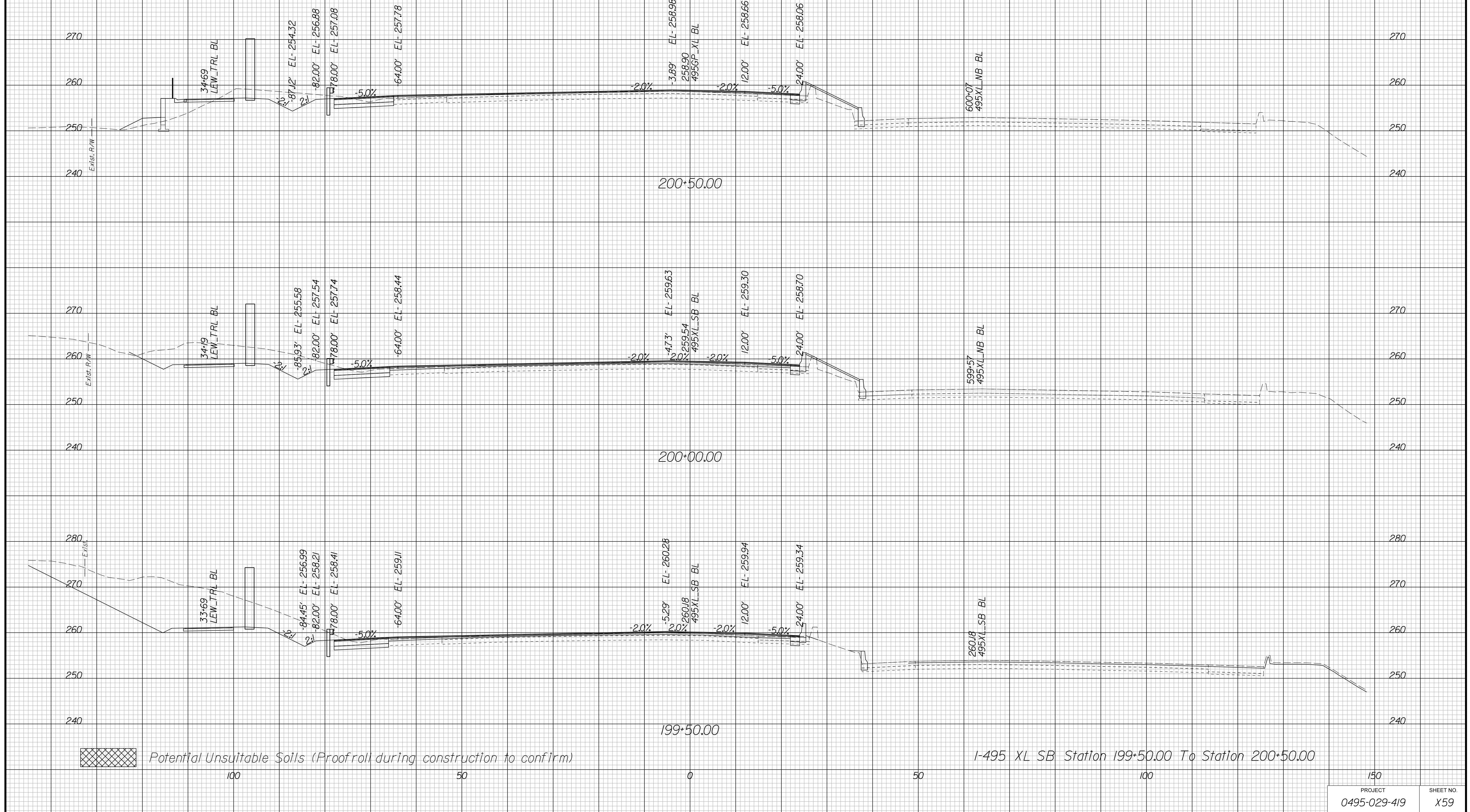
CROSS SECTIONS

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.
	VA.	ROUTE	PROJECT	
	VA.	495	0495-029-419	X59

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

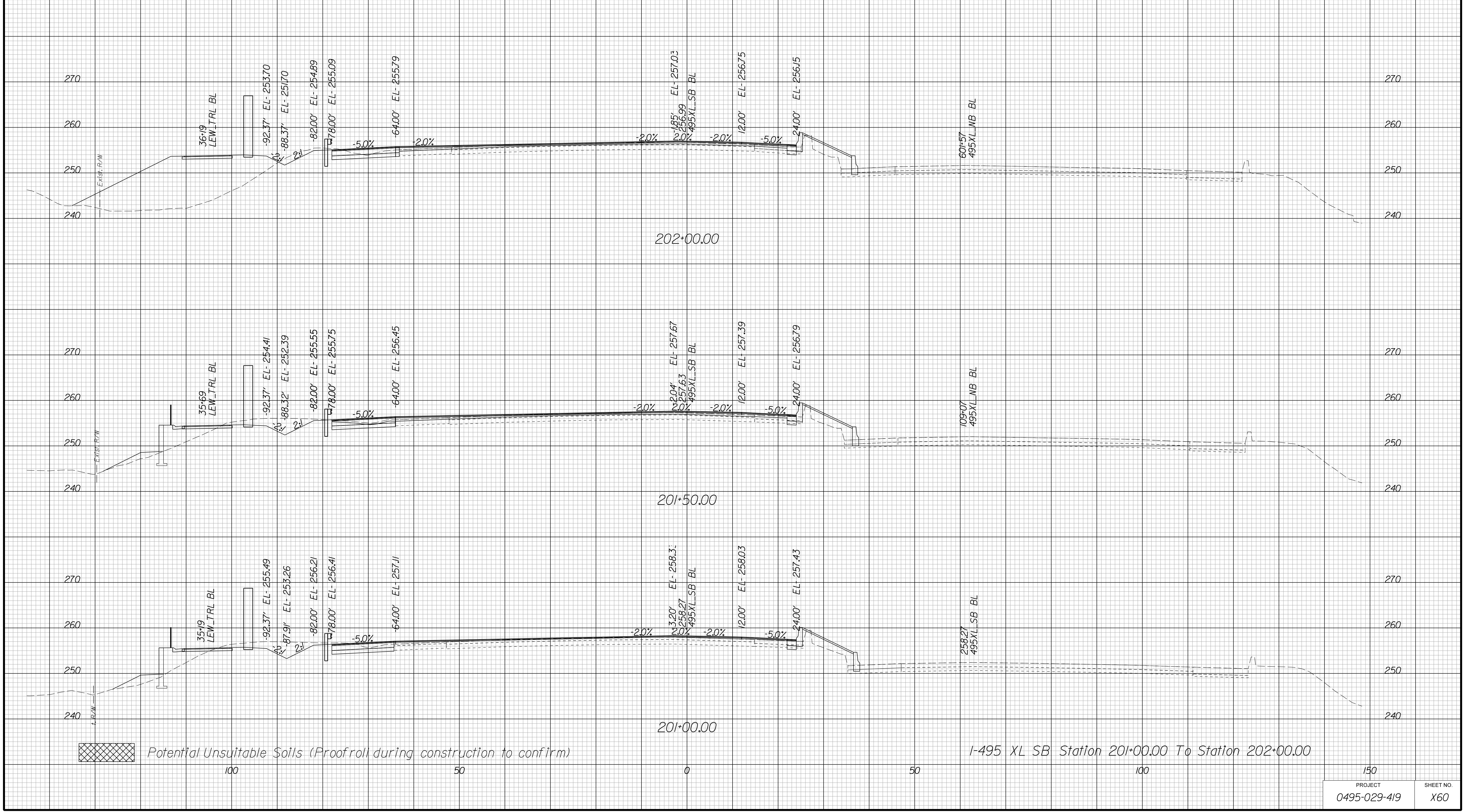
CROSS SECTIONS

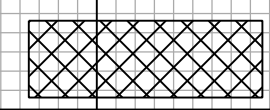
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X60

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL SB Station 201+00.00 To Station 202+00.00

PROJECT	SHEET NO.
0495-029-419	X60

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

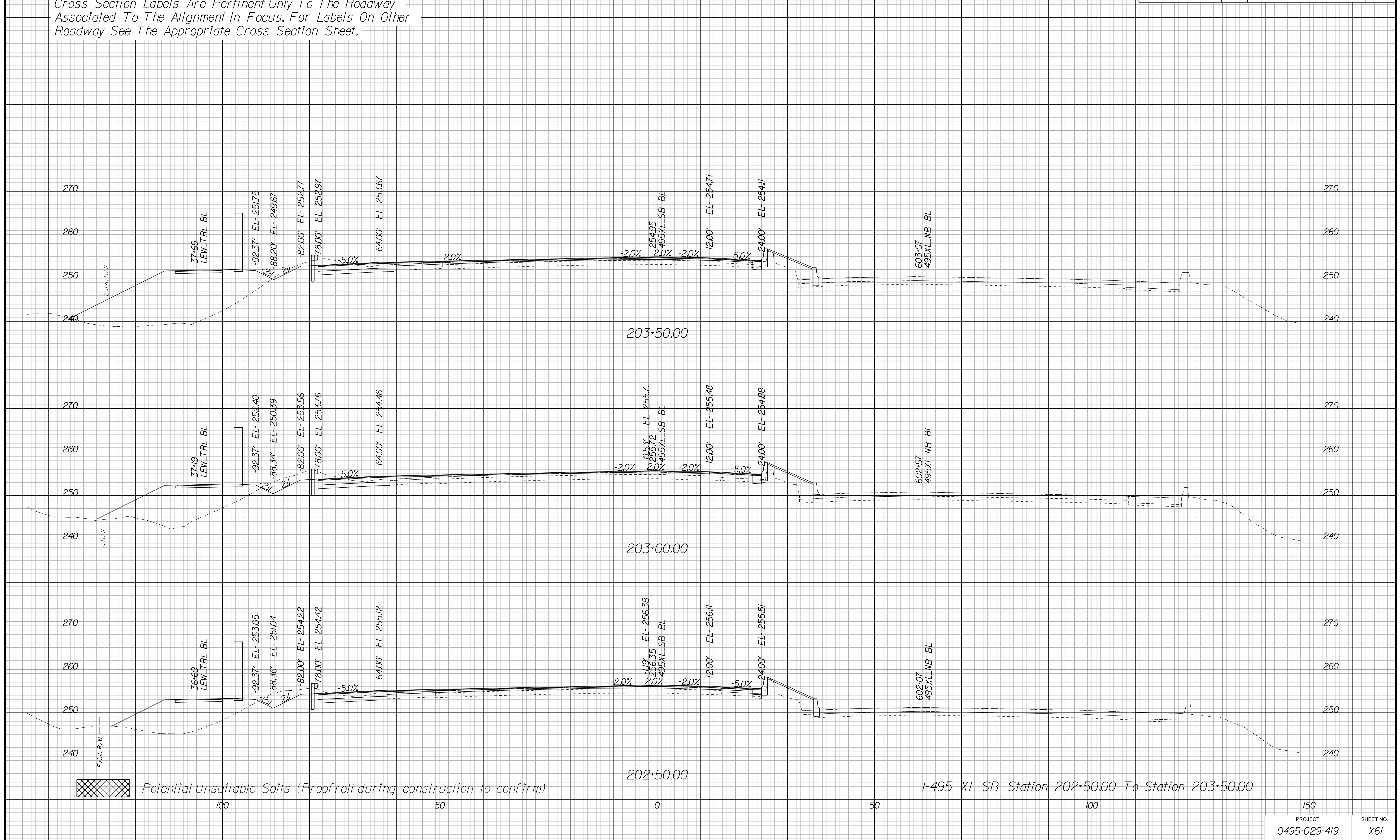
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X61

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

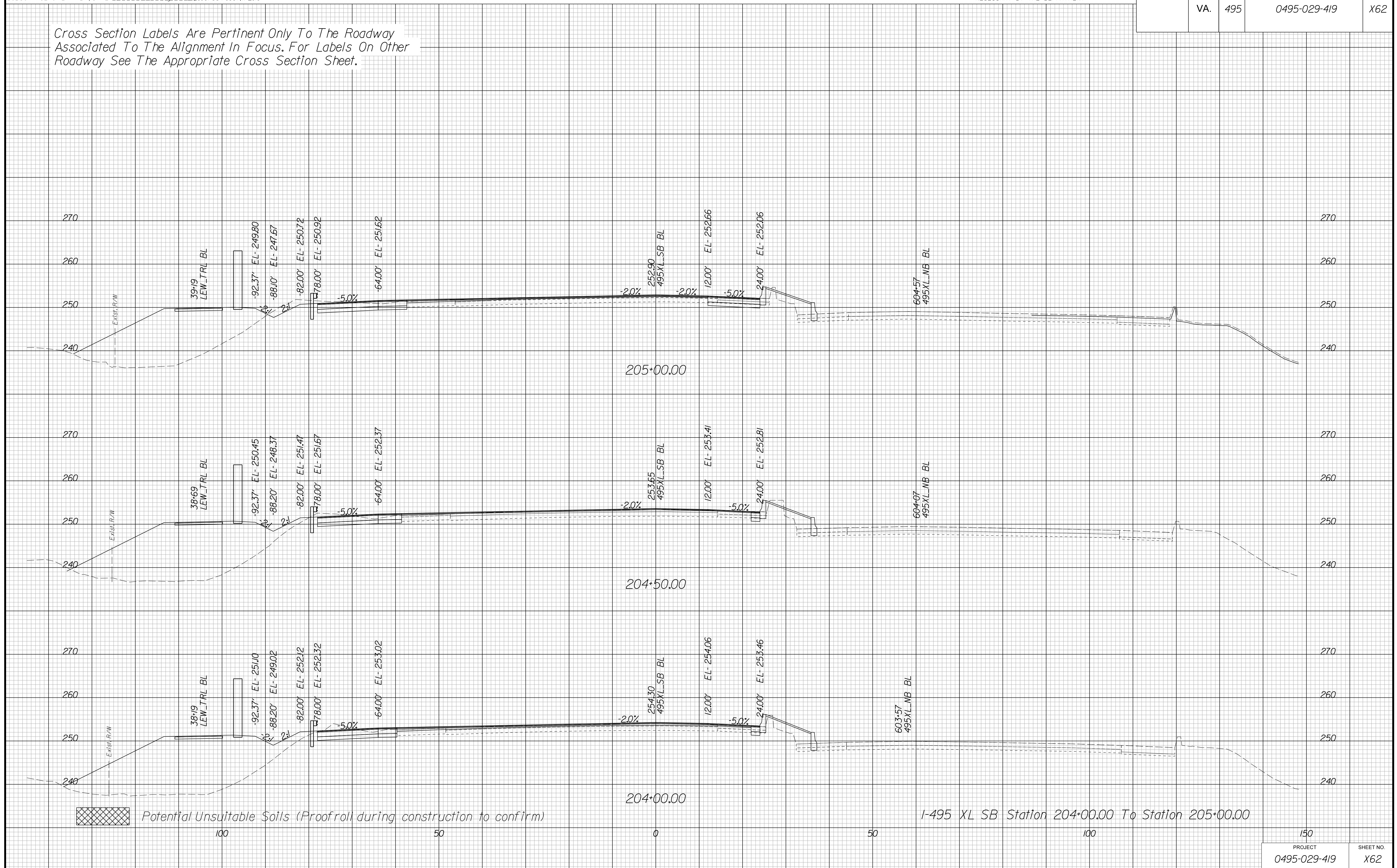
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X62

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471 Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

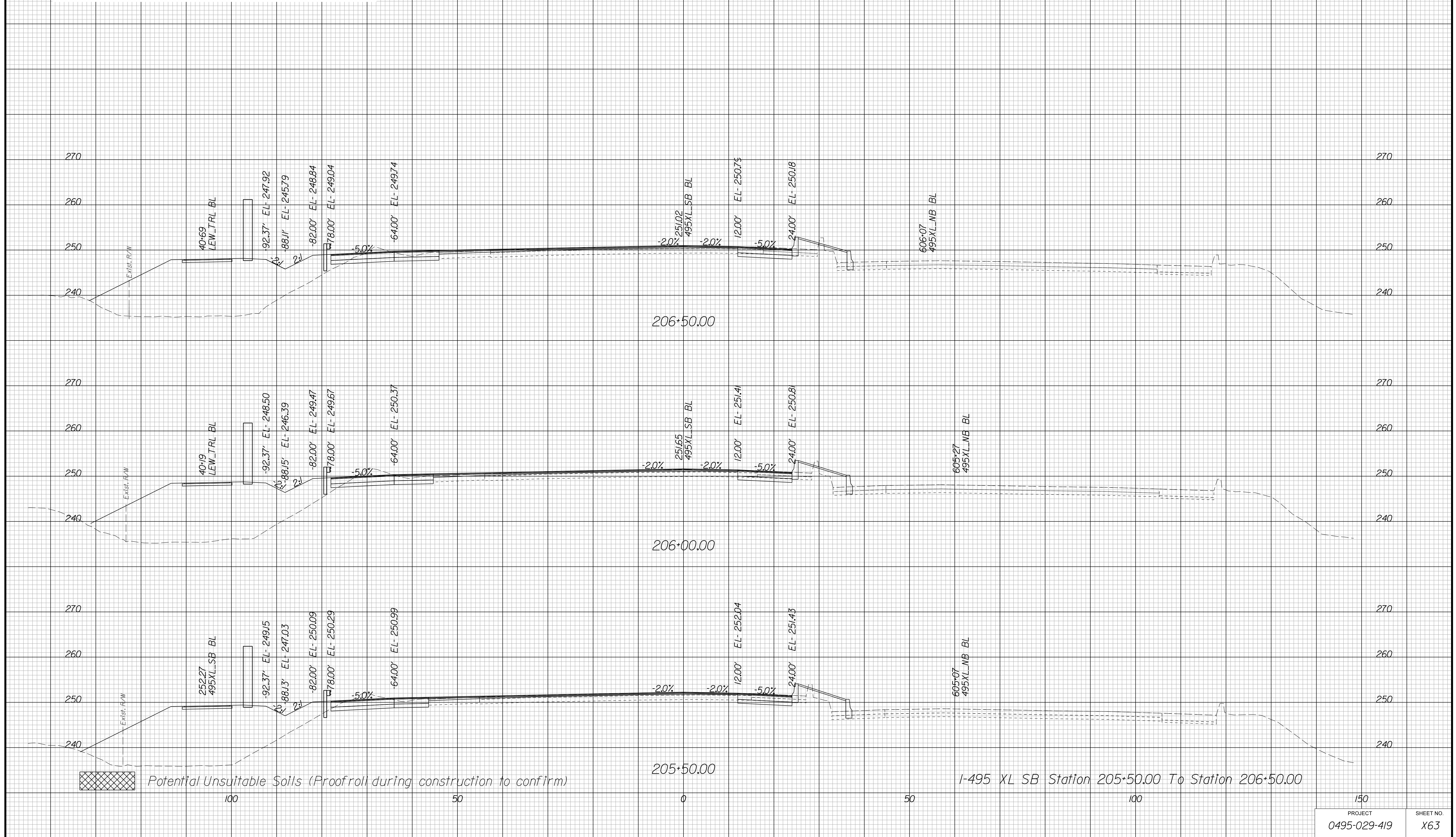
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X63

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (520) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

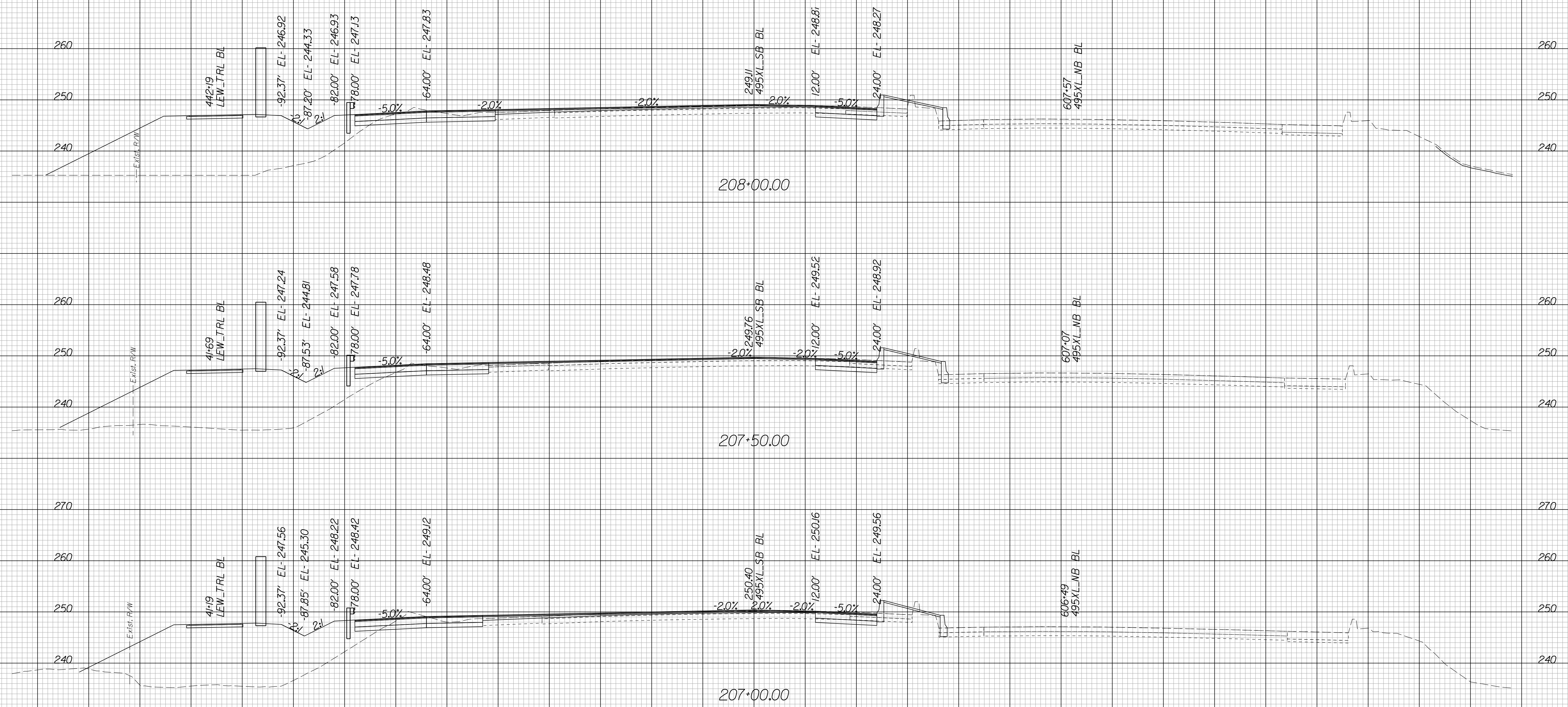
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X64

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL SB Station 207+00.00 To Station 208+00.00

PROJECT	SHEET NO.
0495-029-419	X64

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (521) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

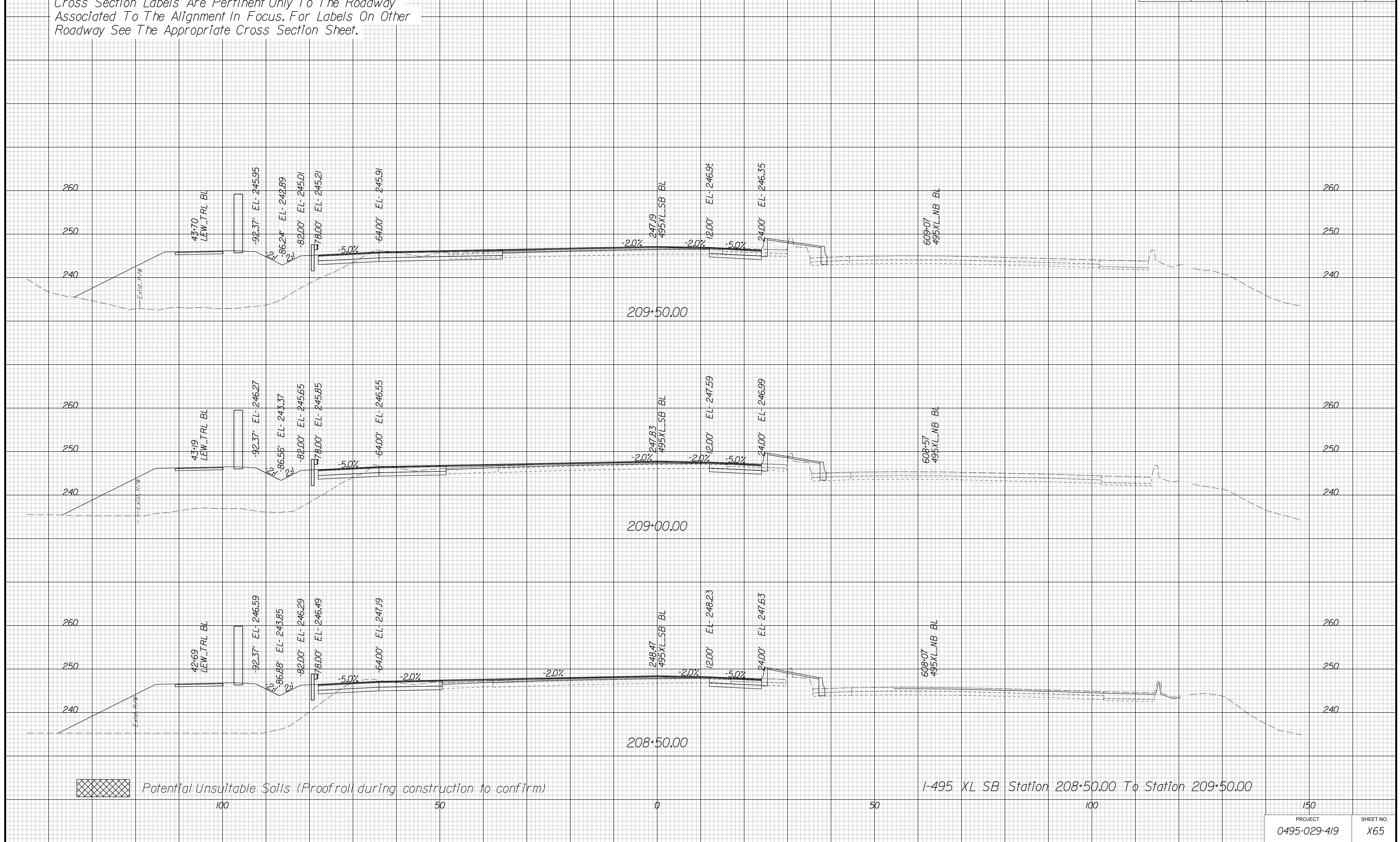
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X65

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

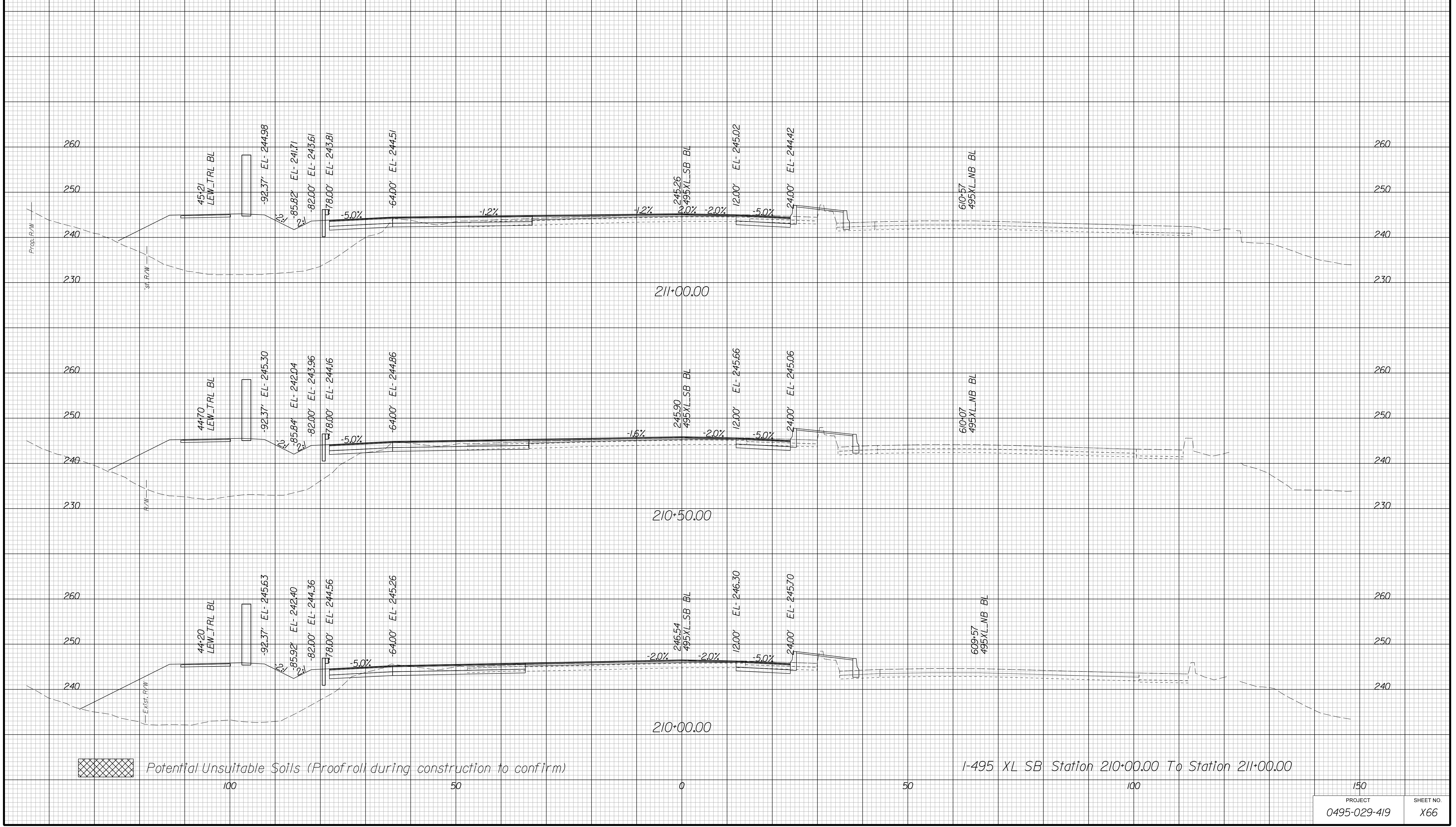
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X66

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL SB Station 210+00.00 To Station 211+00.00

PROJECT	SHEET NO.
0495-029-419	X66

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

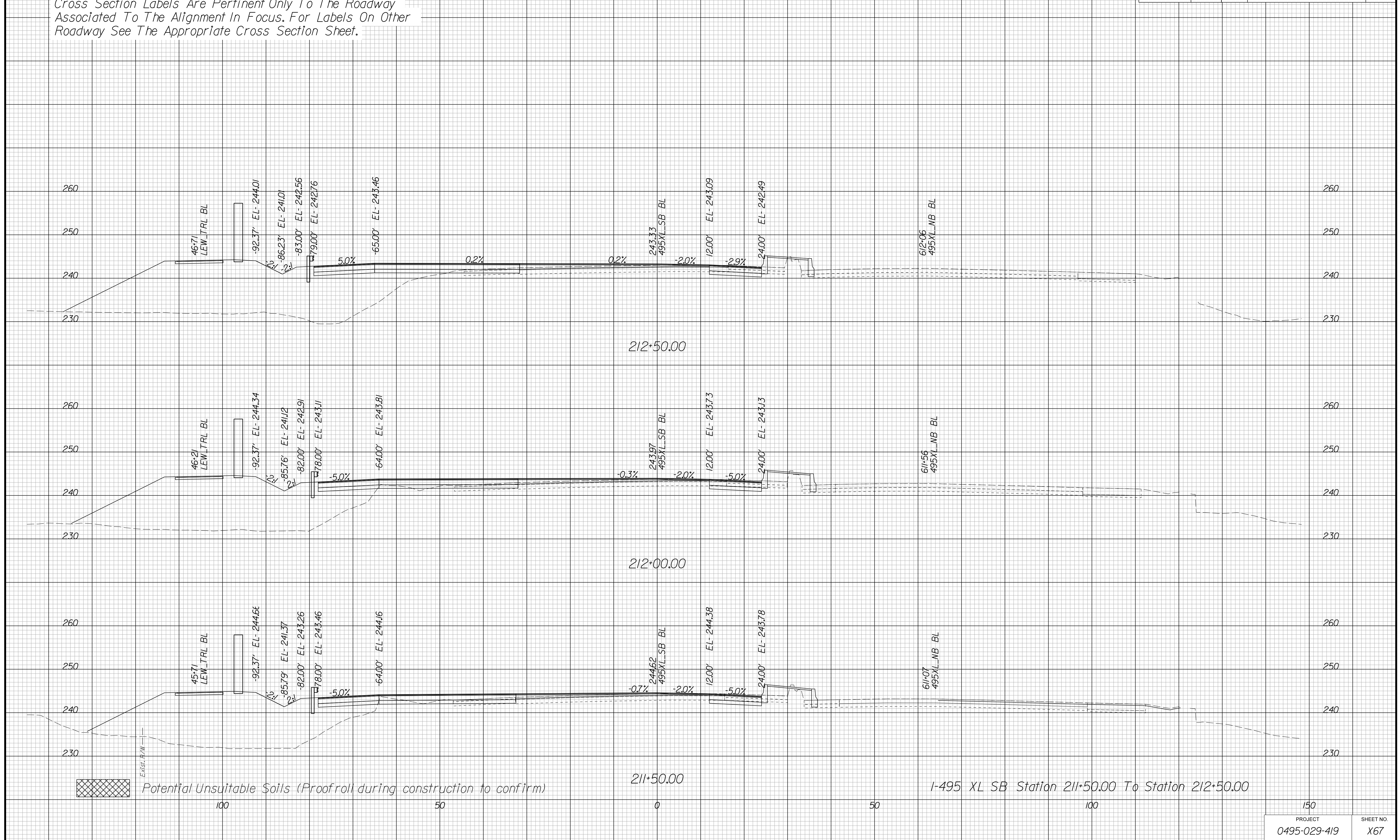
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X67

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

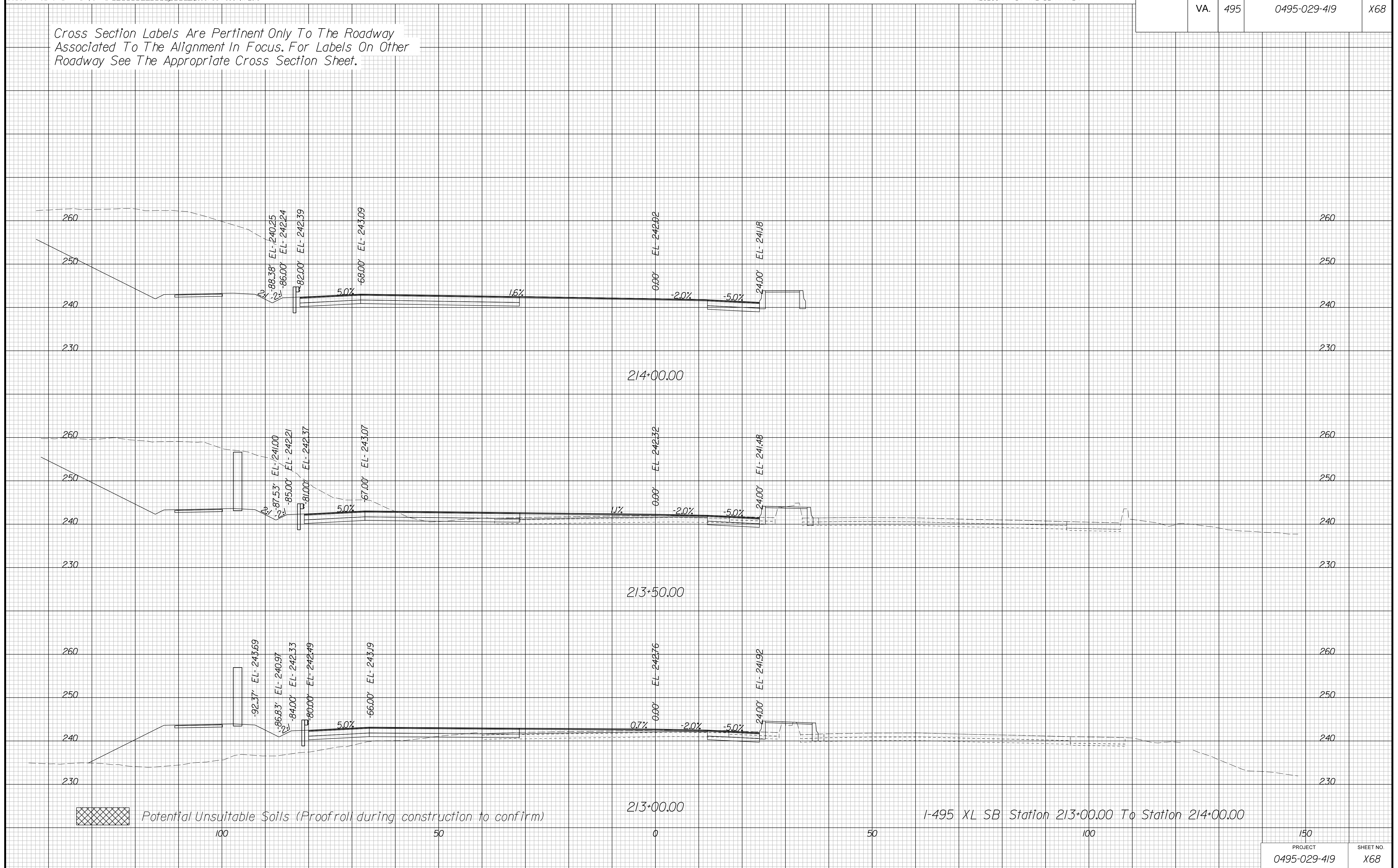
CROSS SECTIONS

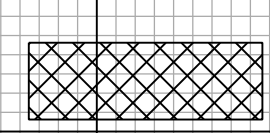
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X68

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 XL SB Station 213+00.00 To Station 214+00.00

PROJECT	SHEET NO.
0495-029-419	X68

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

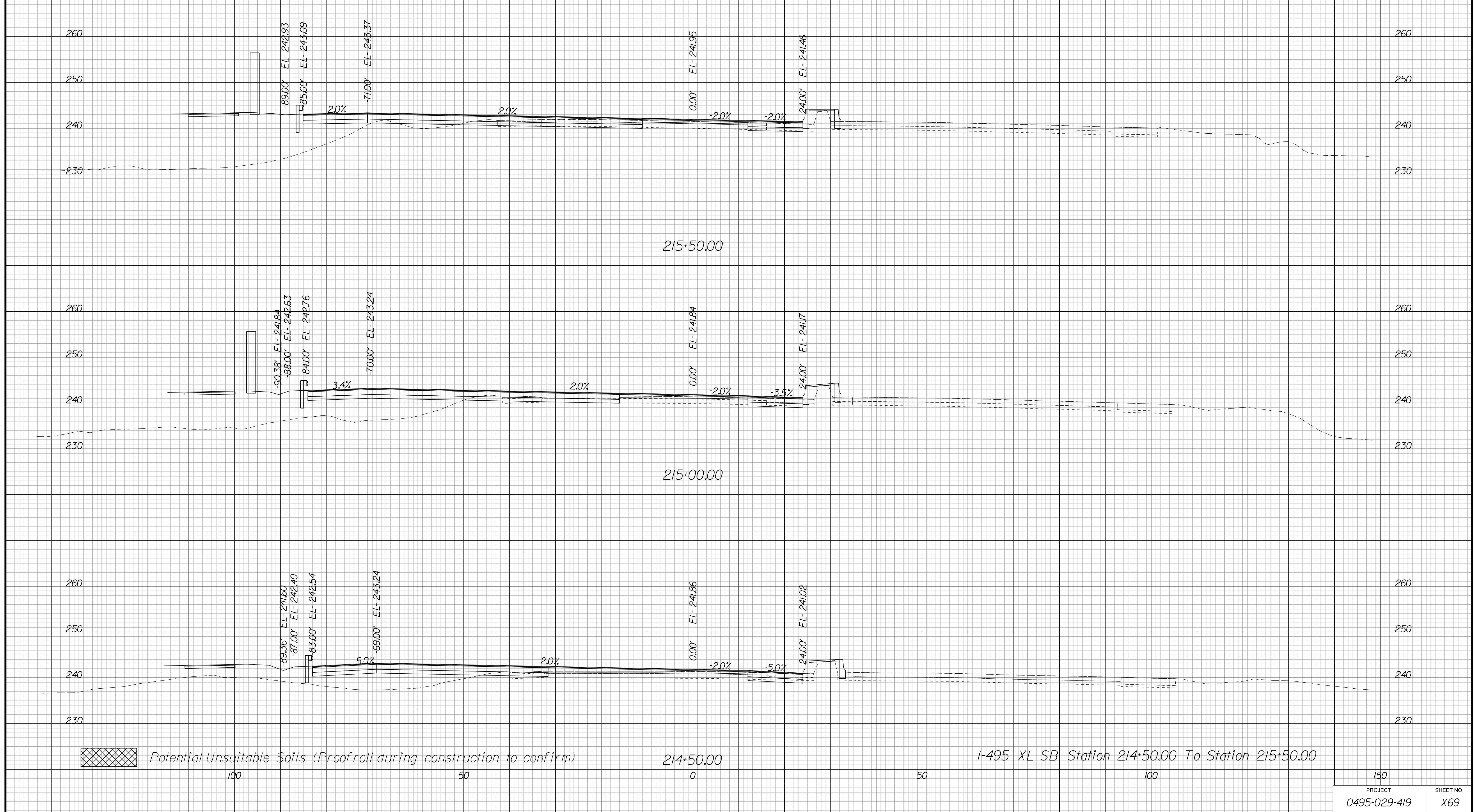
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X69

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

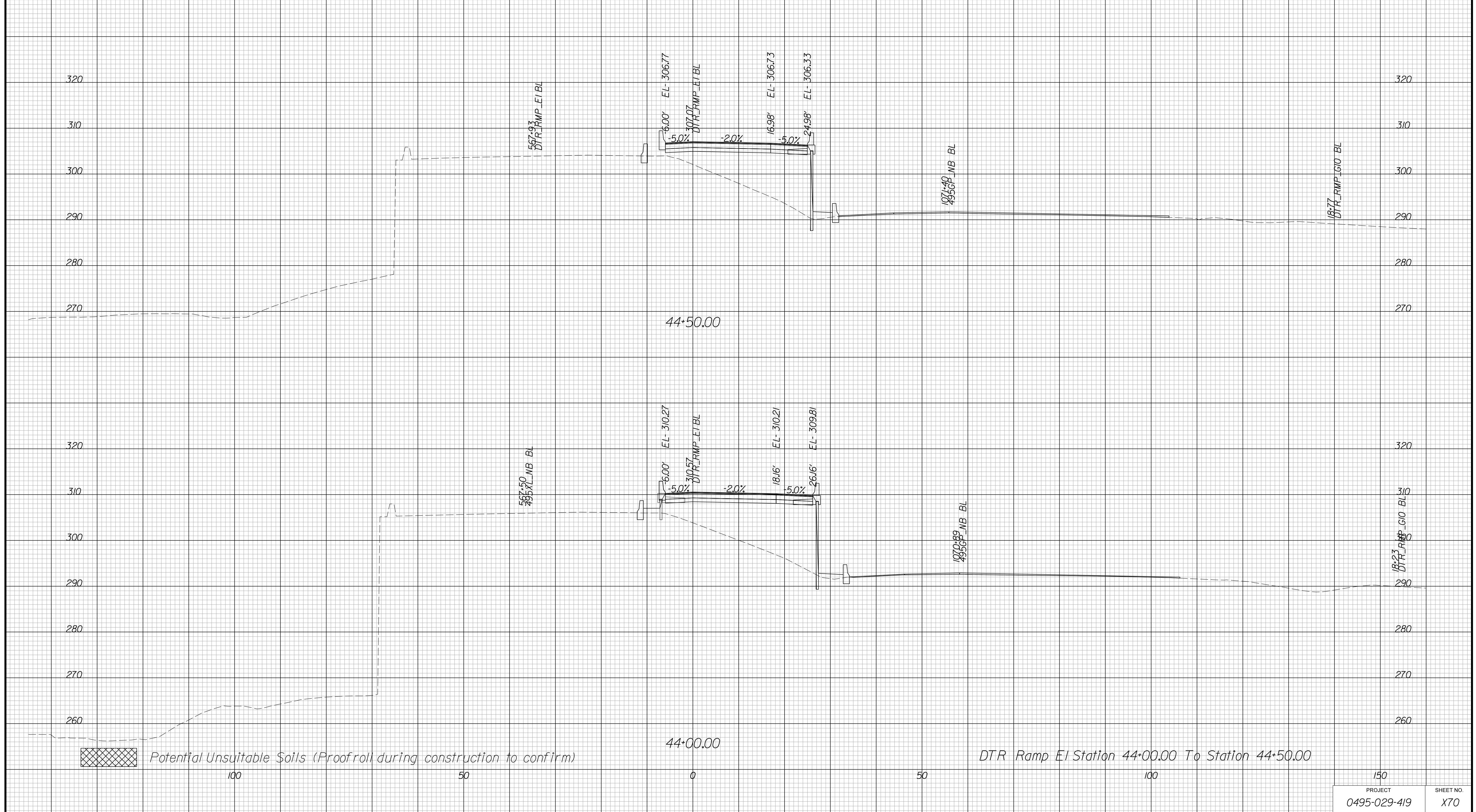
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X70

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougioulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougioulis LS (703) 334-0837, 1/2019

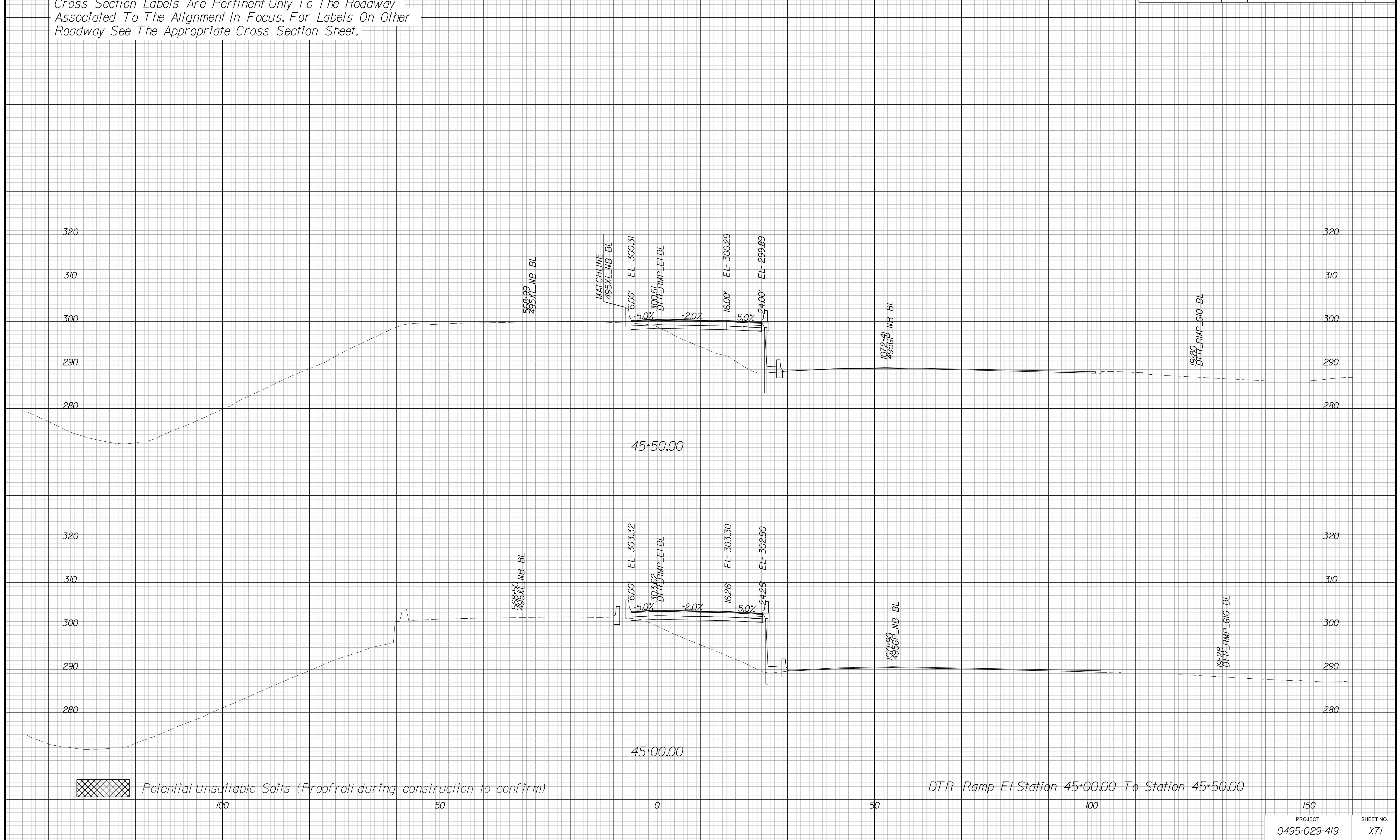
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X71

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

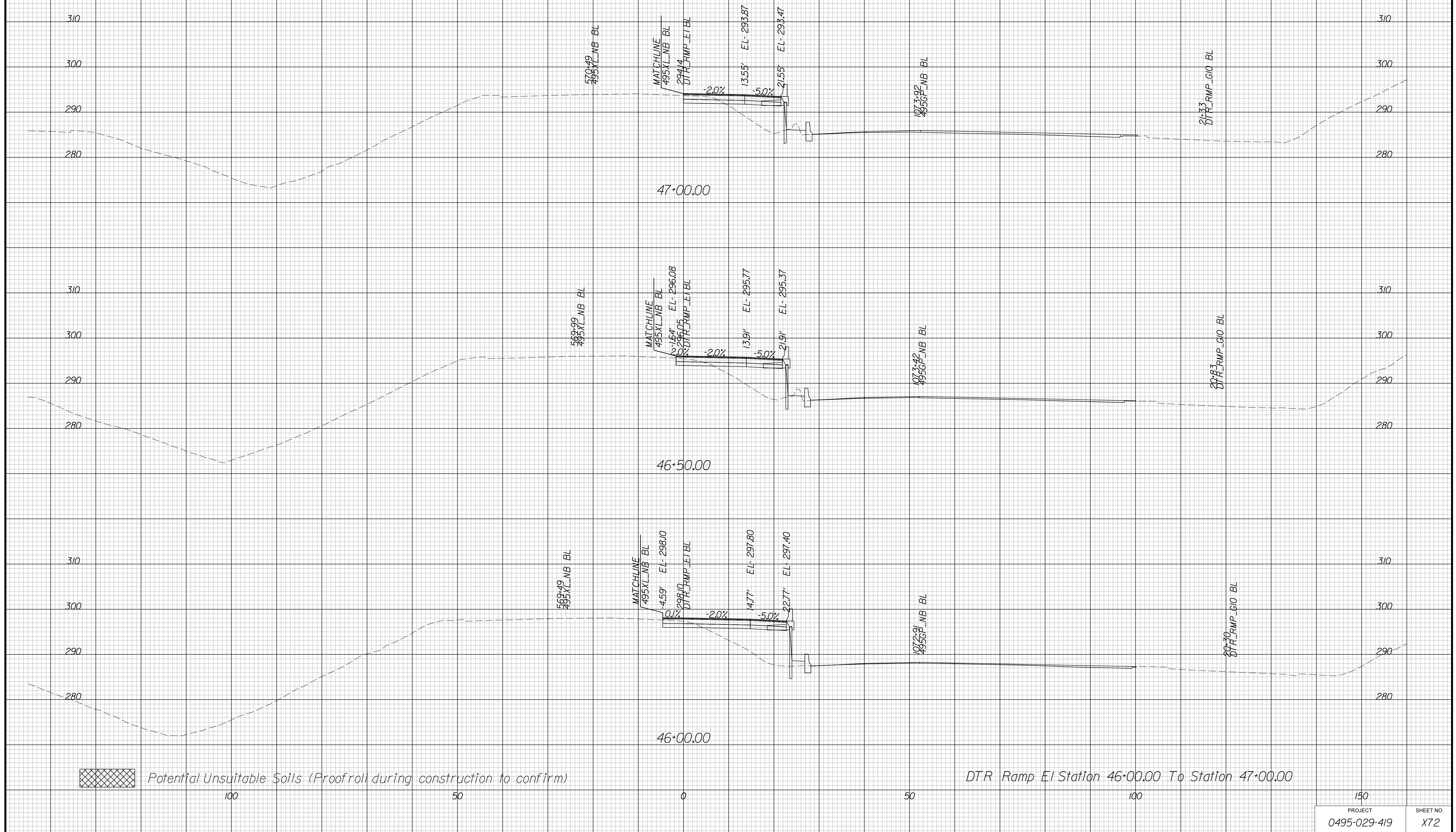
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X72

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT	SHEET NO.
0495-029-419	X72

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

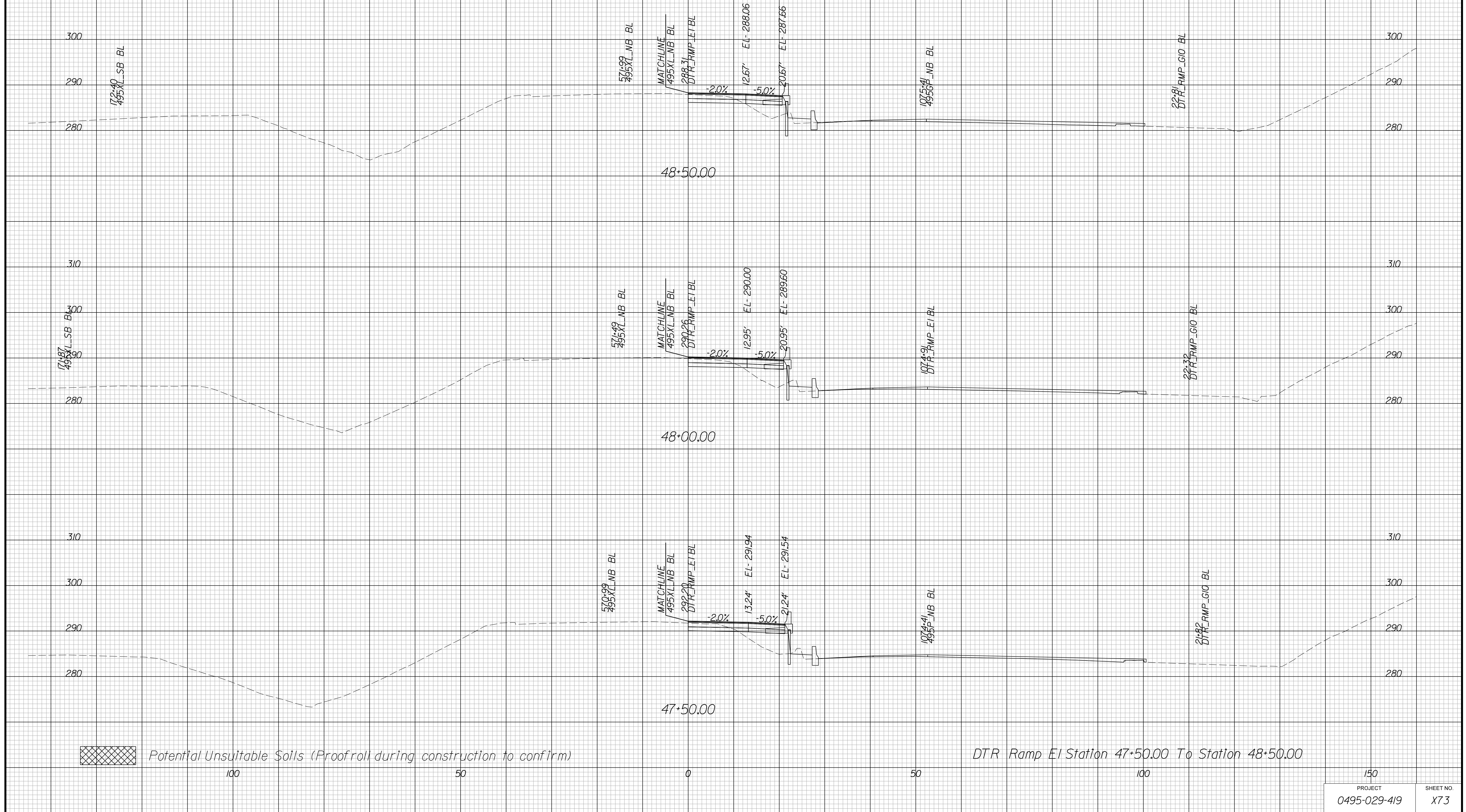
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X73

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

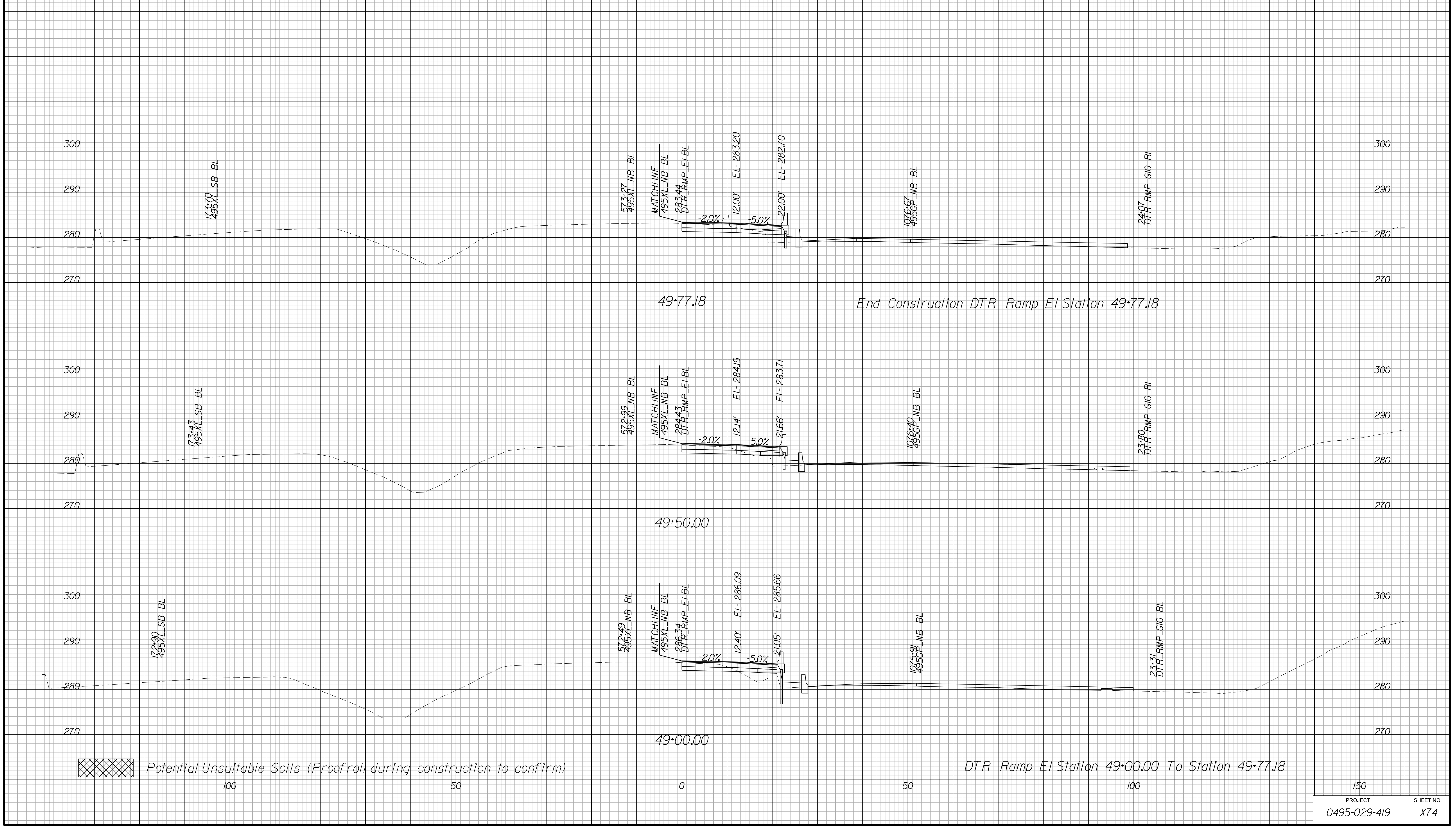
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X74

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT	SHEET NO.
0495-029-419	X74

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

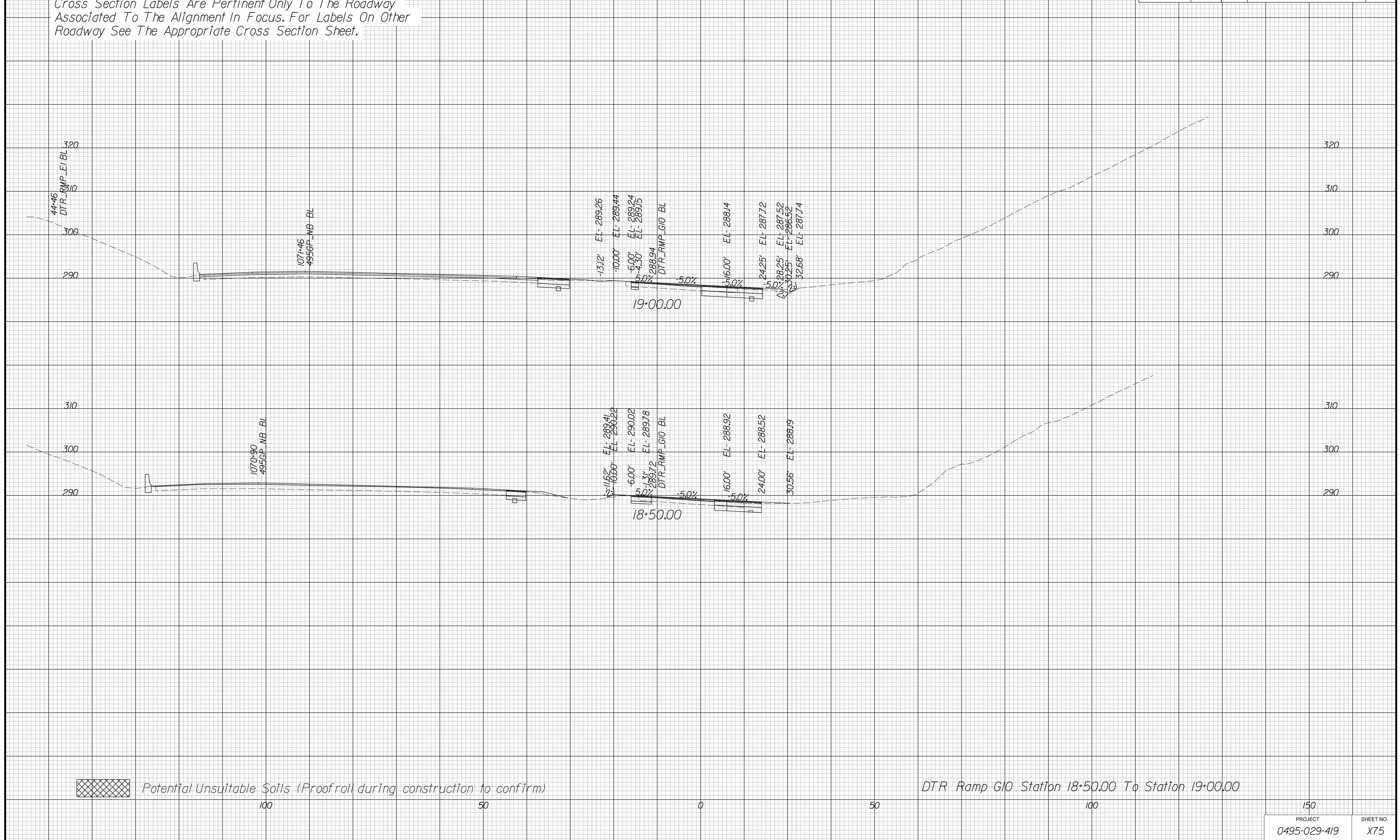
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X75

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougioulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougioulis LS (703) 334-0837, 1/2019

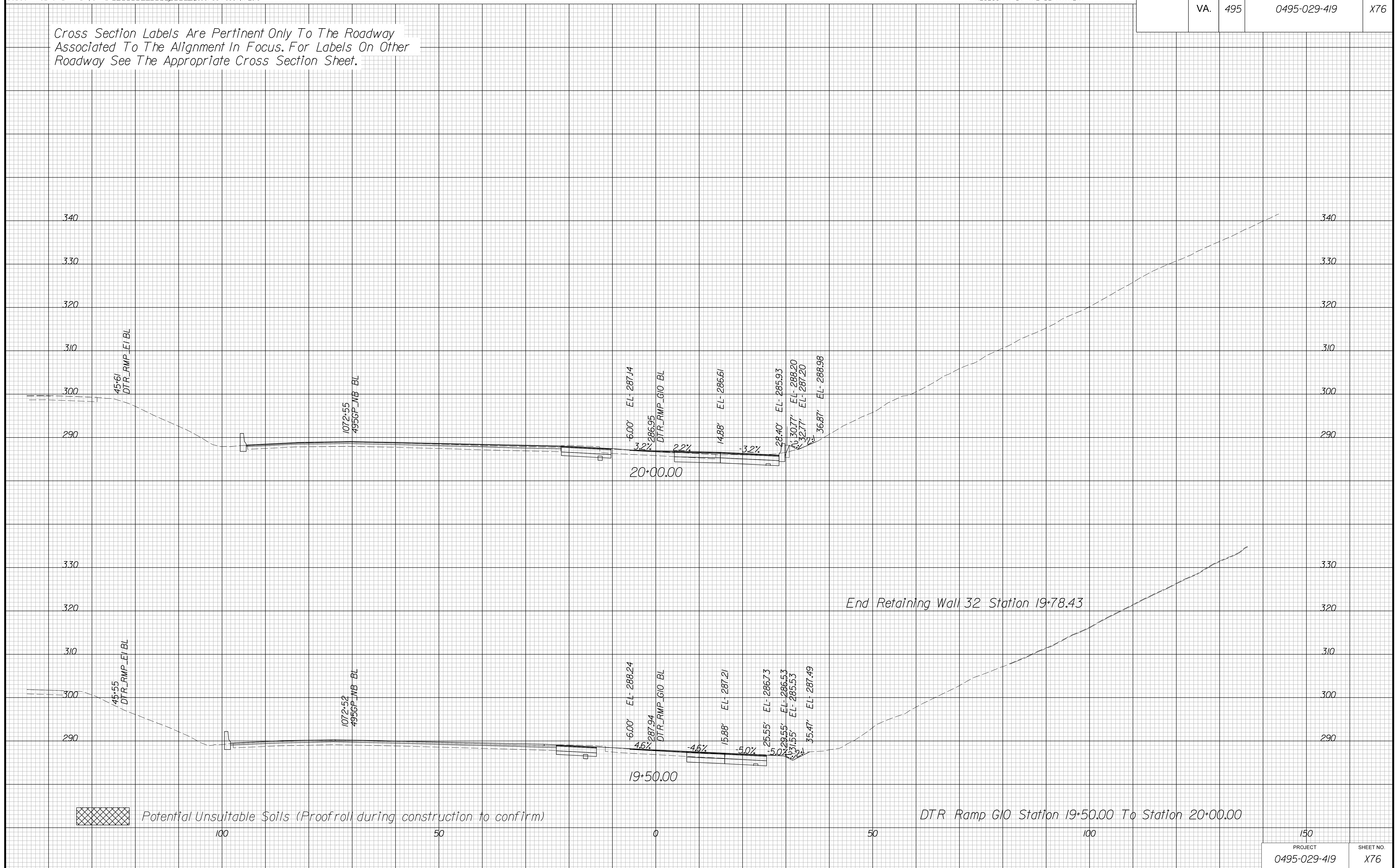
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X76

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

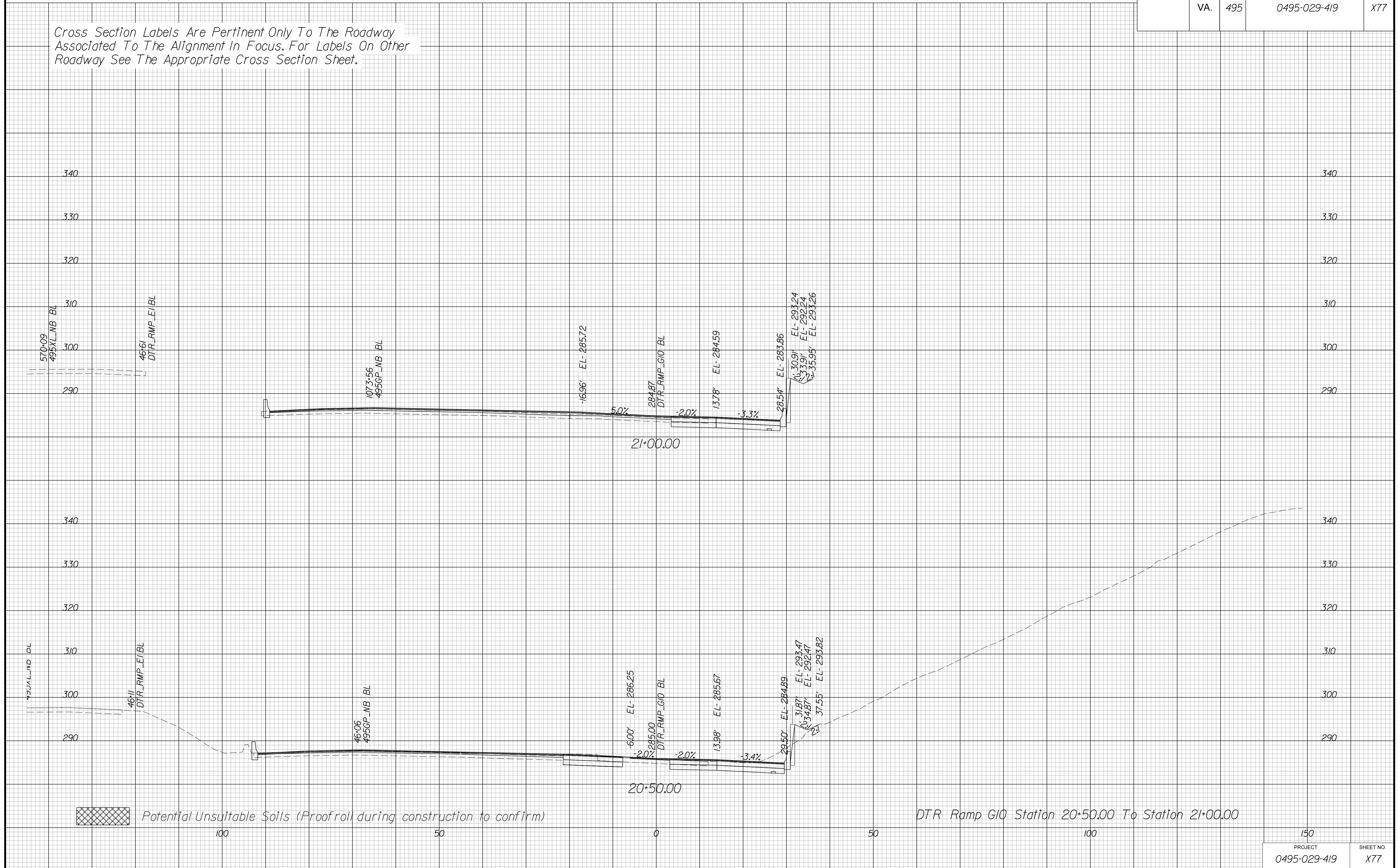
CROSS SECTIONS

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.	495	0495-029-419	X77

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT	SHEET NO.
0495-029-419	X77

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

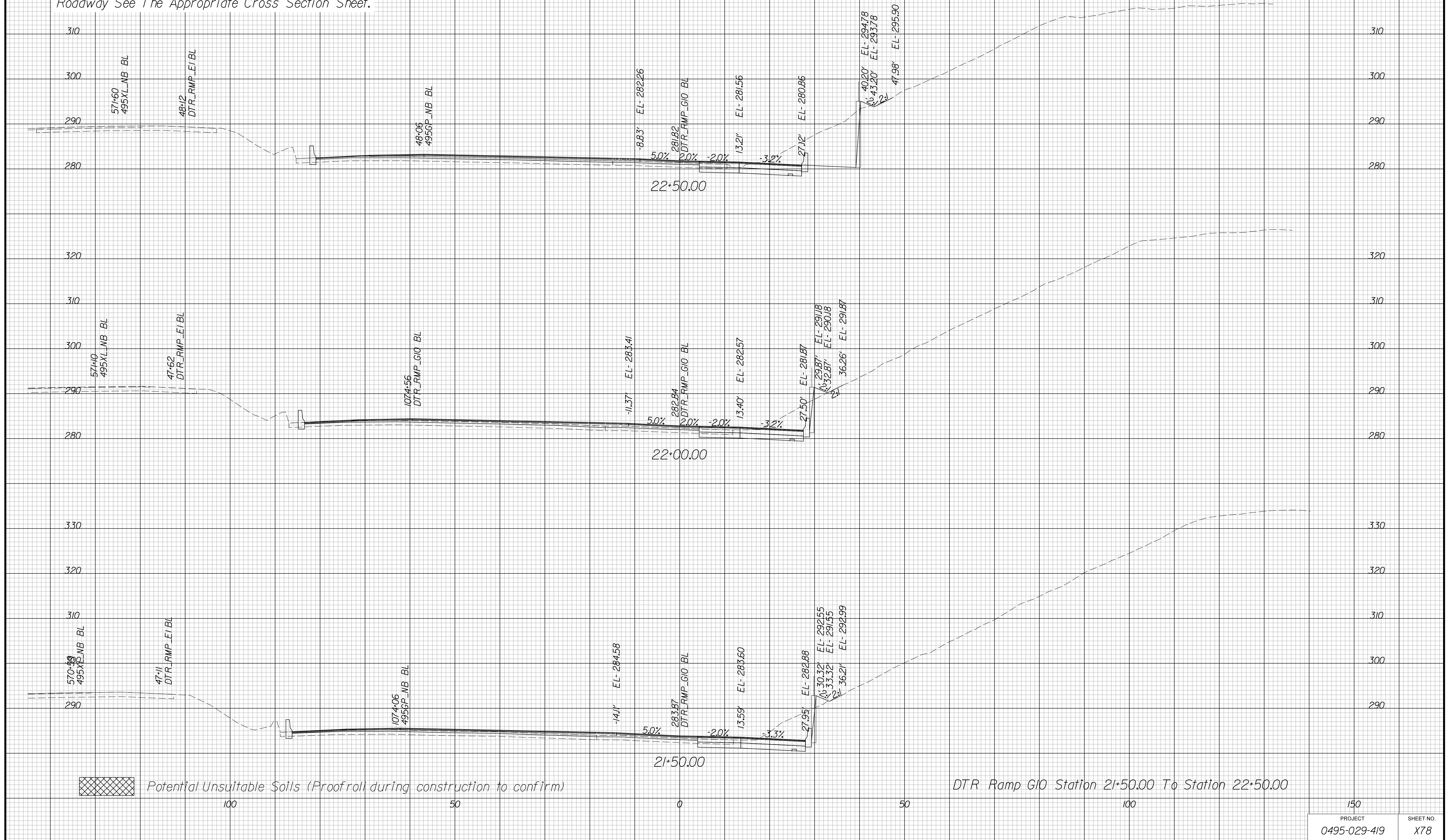
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X78

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kouggoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (520) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kouggoulis LS (703) 334-0837, 1/2019

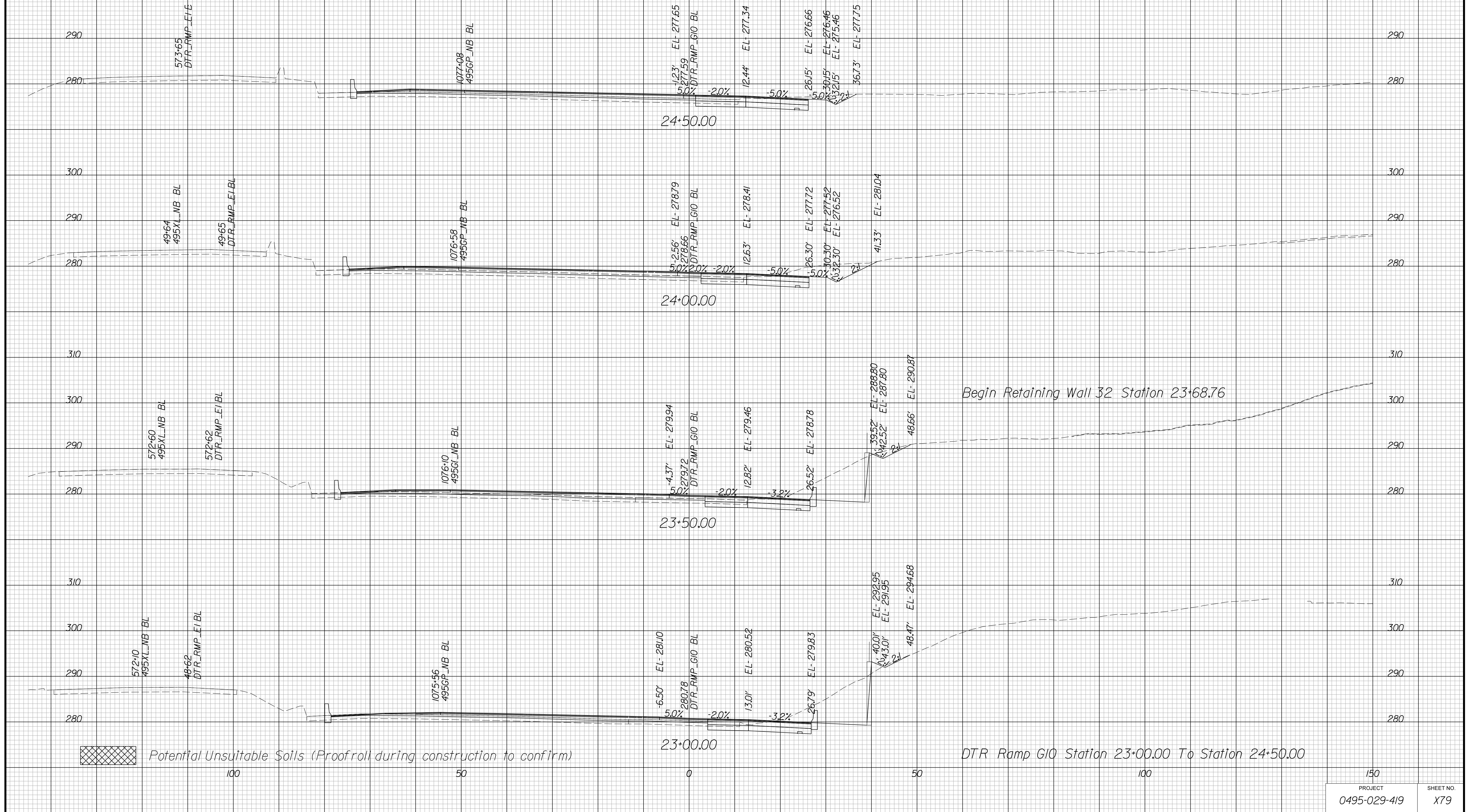
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X79

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kouyoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kouyoulis LS (703) 334-0837, 1/2019

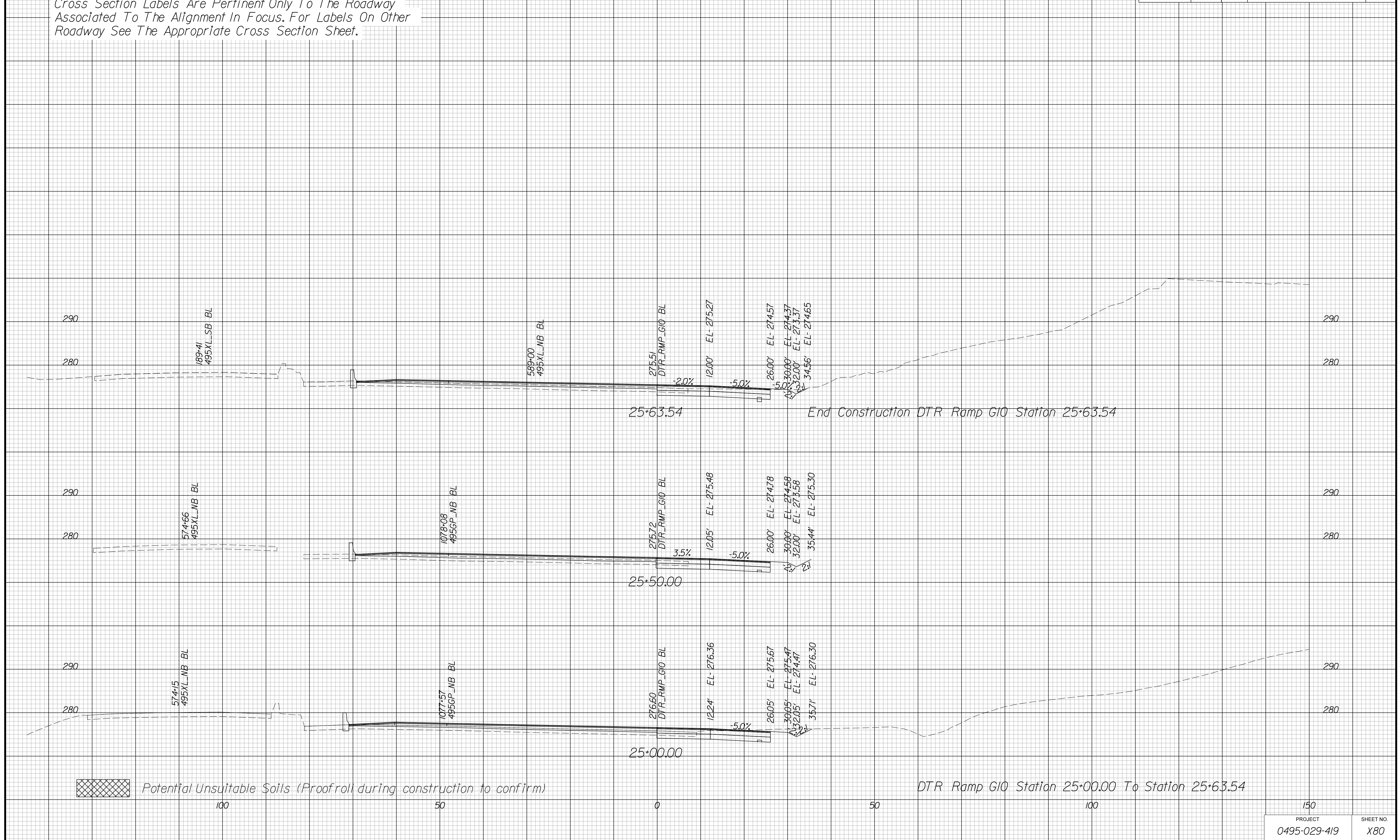
CROSS SECTIONS

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	PROJECT	PROJECT	
	VA.	495	0495-029-419		X80

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

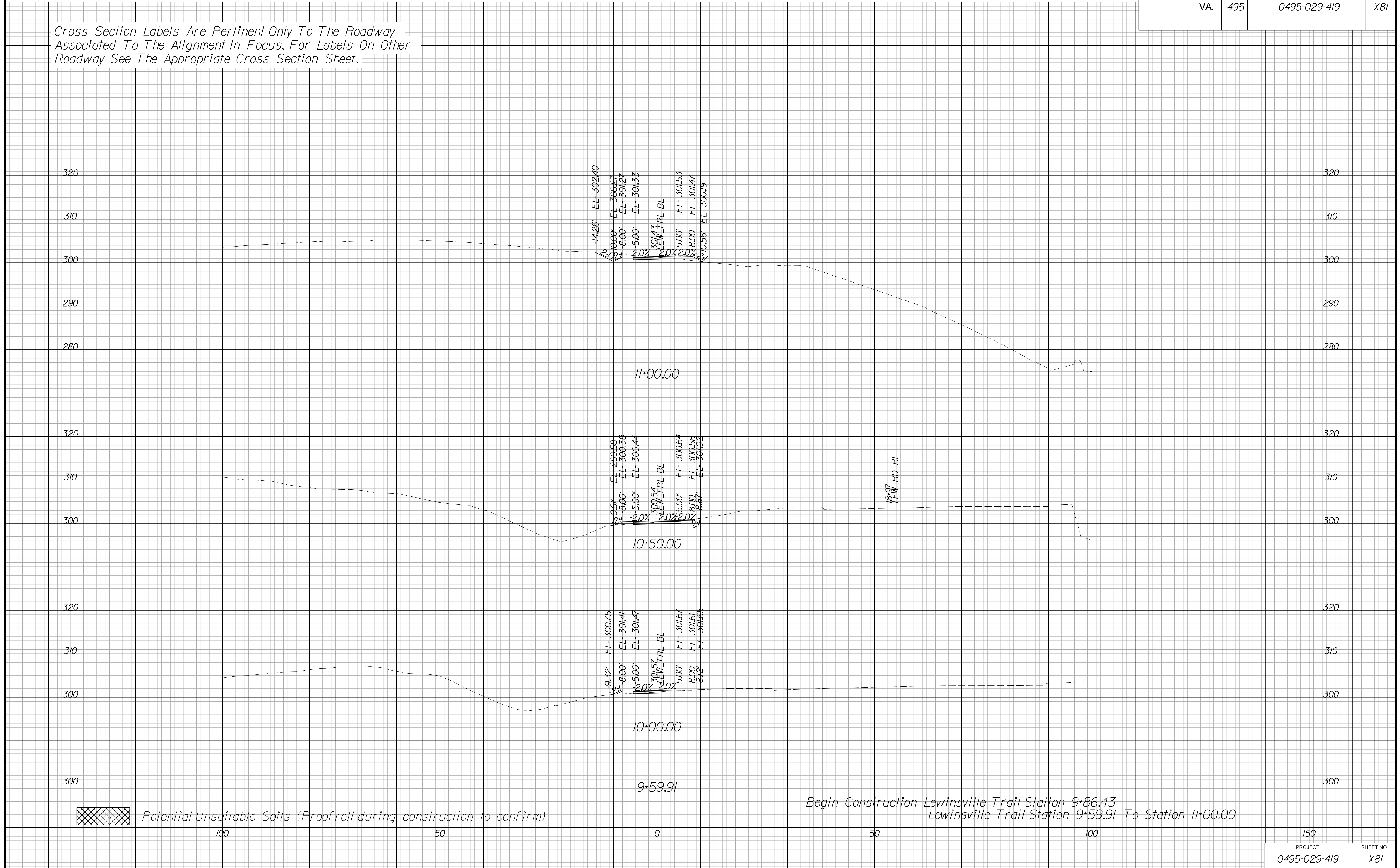
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X81

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

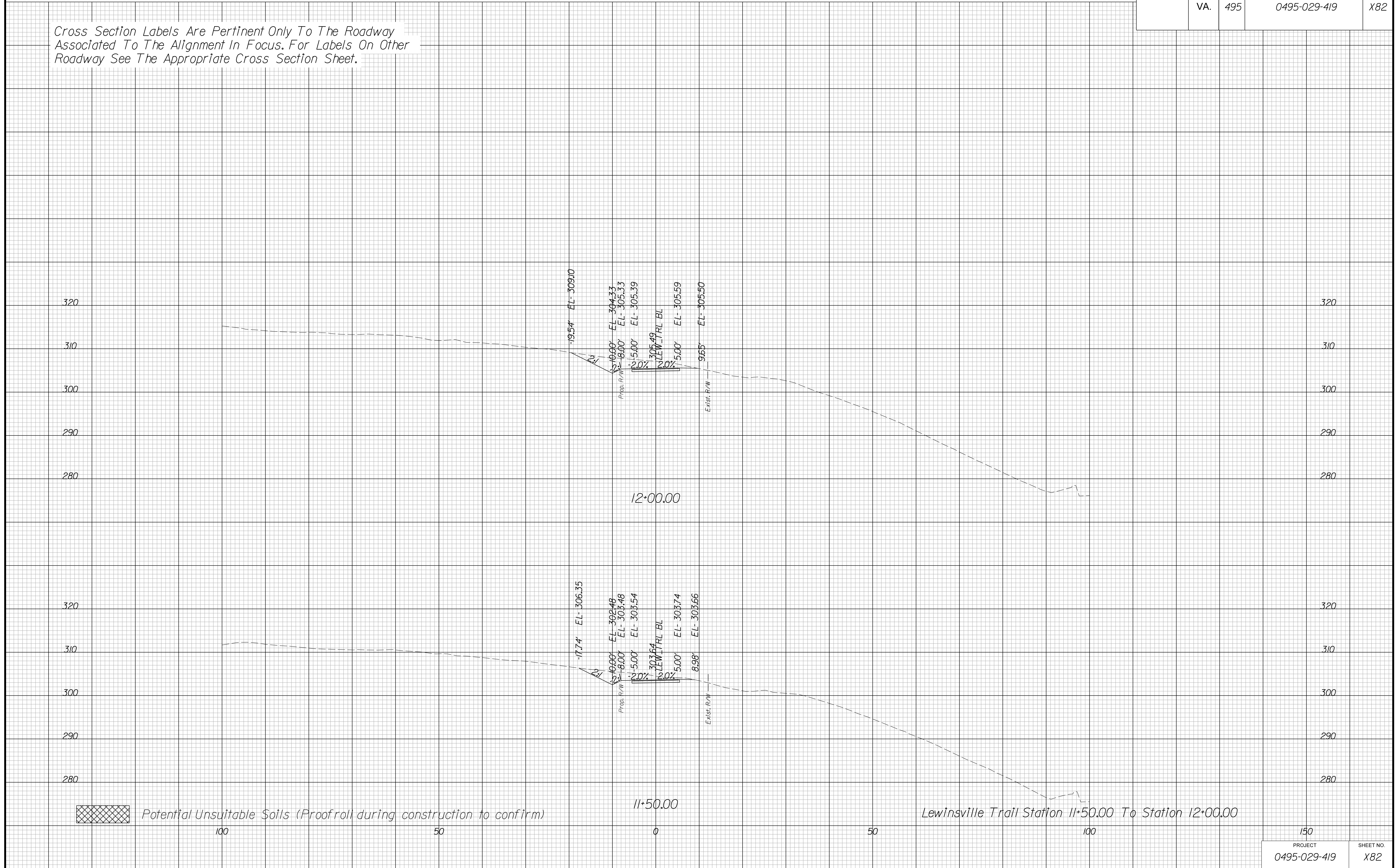
CROSS SECTIONS

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 PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X82

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

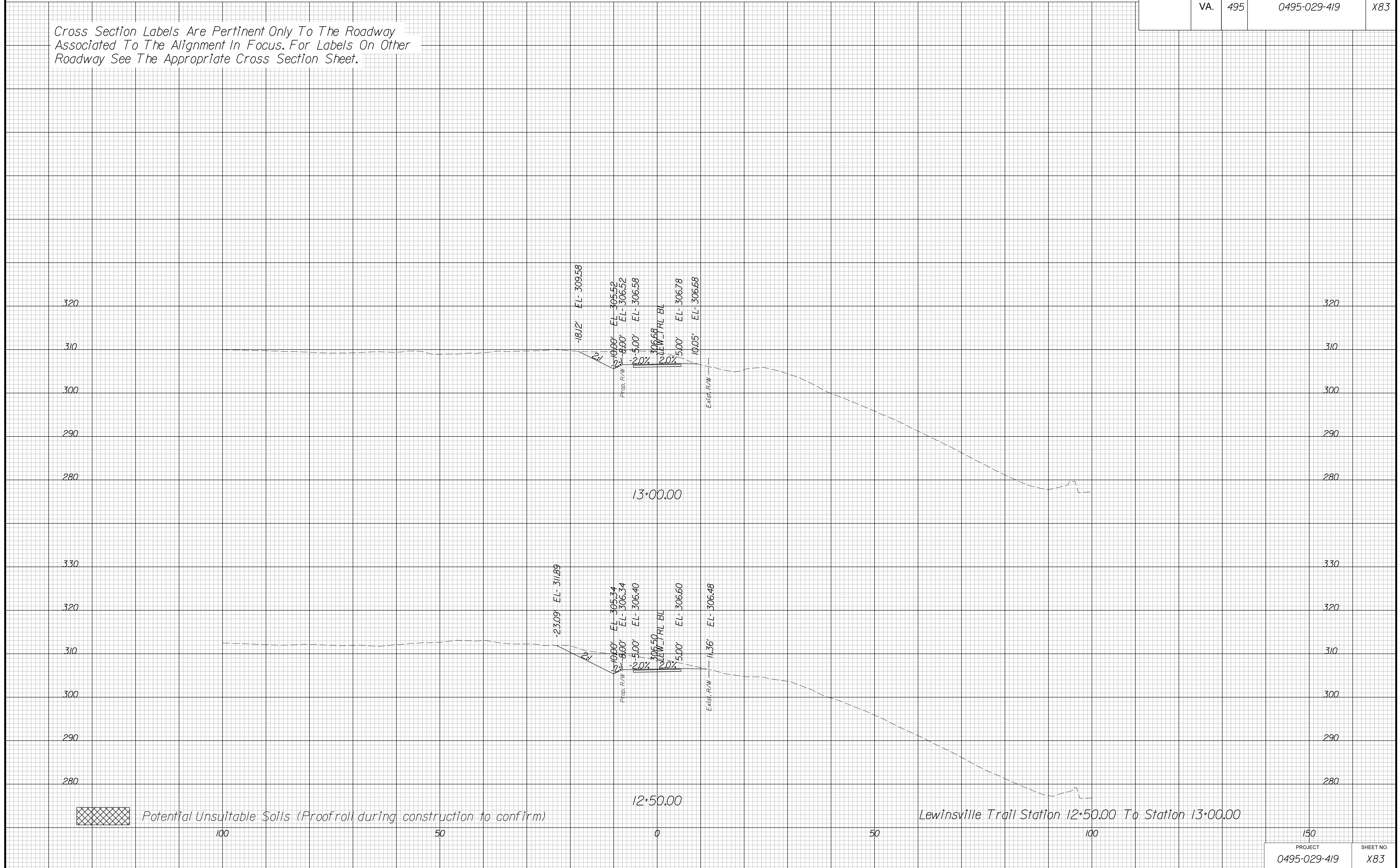
CROSS SECTIONS

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X83

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougiulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougiulis LS (703) 334-0837, 1/2019

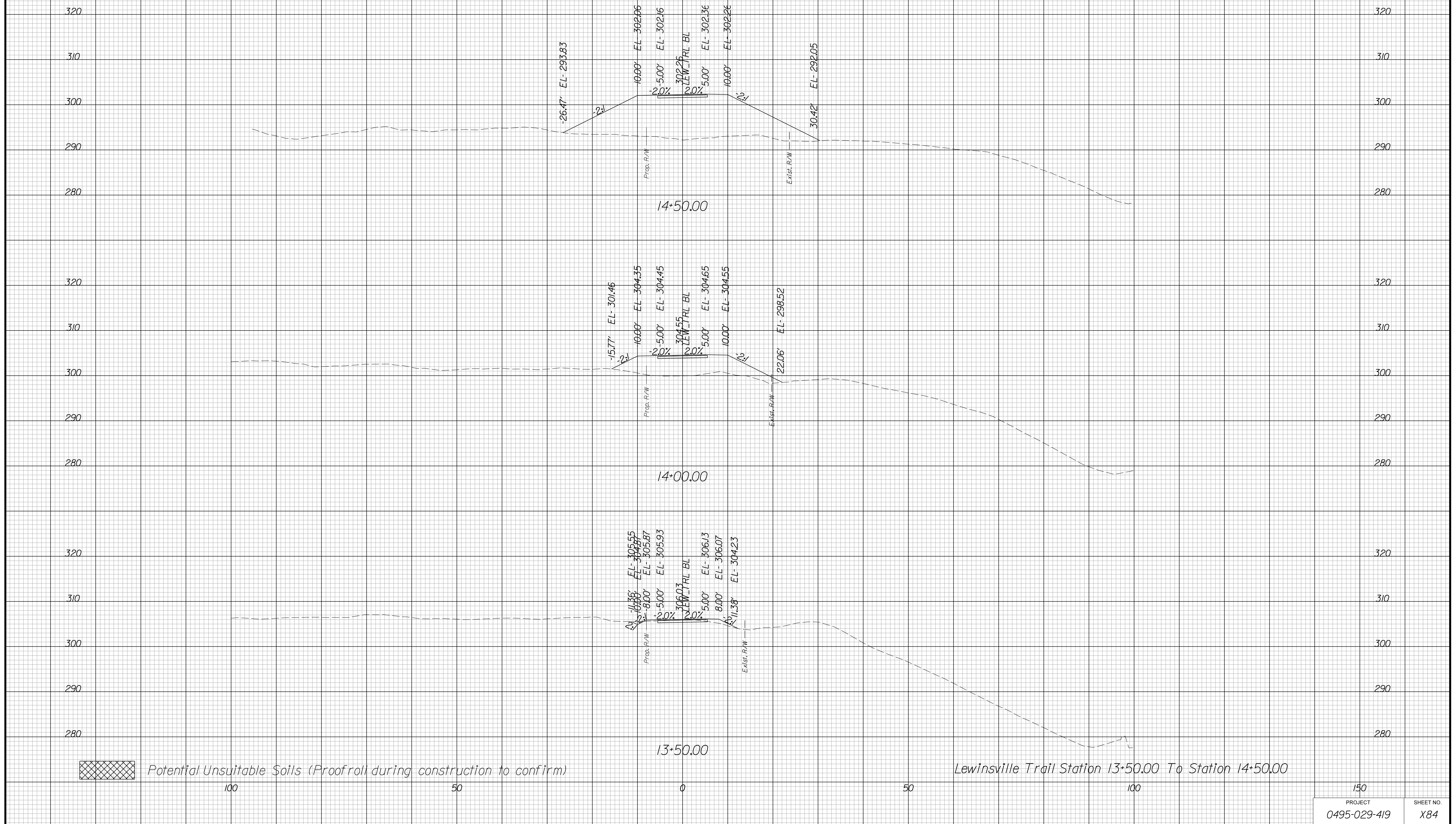
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X84

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

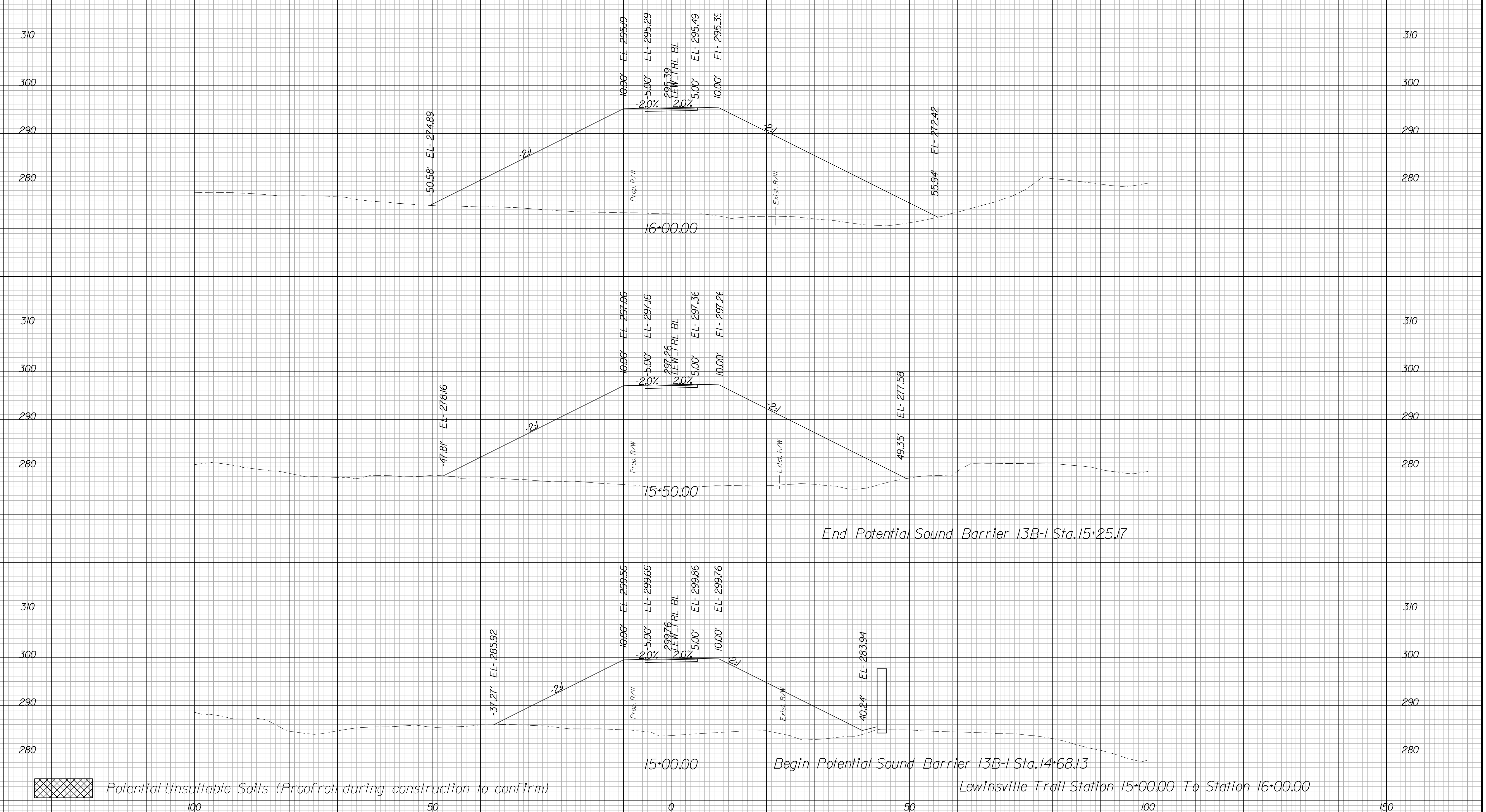
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X85

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT	SHEET NO.
0495-029-419	X85

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

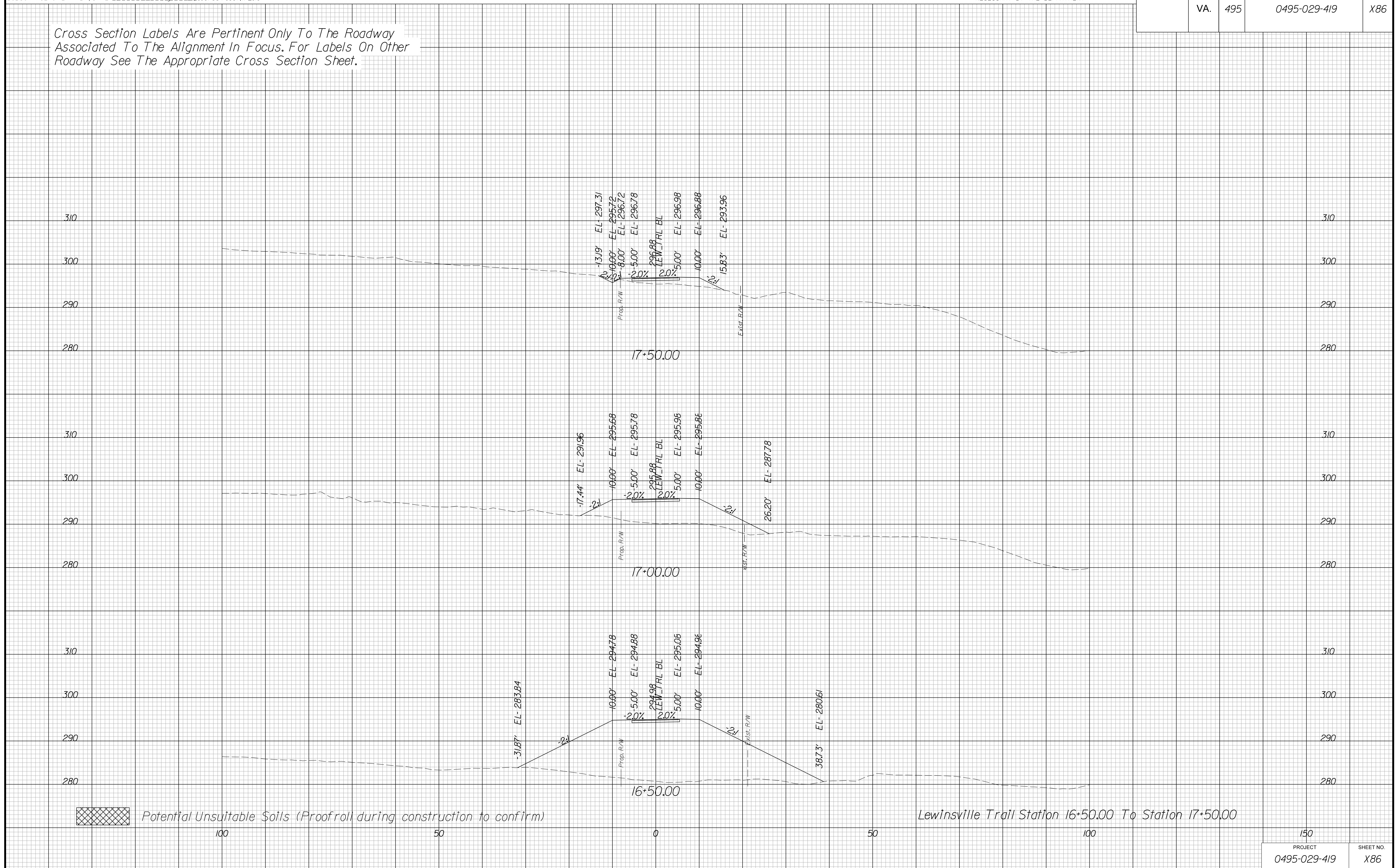
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X86

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Lewinsville Trail Station 16+50.00 To Station 17+50.00

PROJECT	SHEET NO.
0495-029-419	X86

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

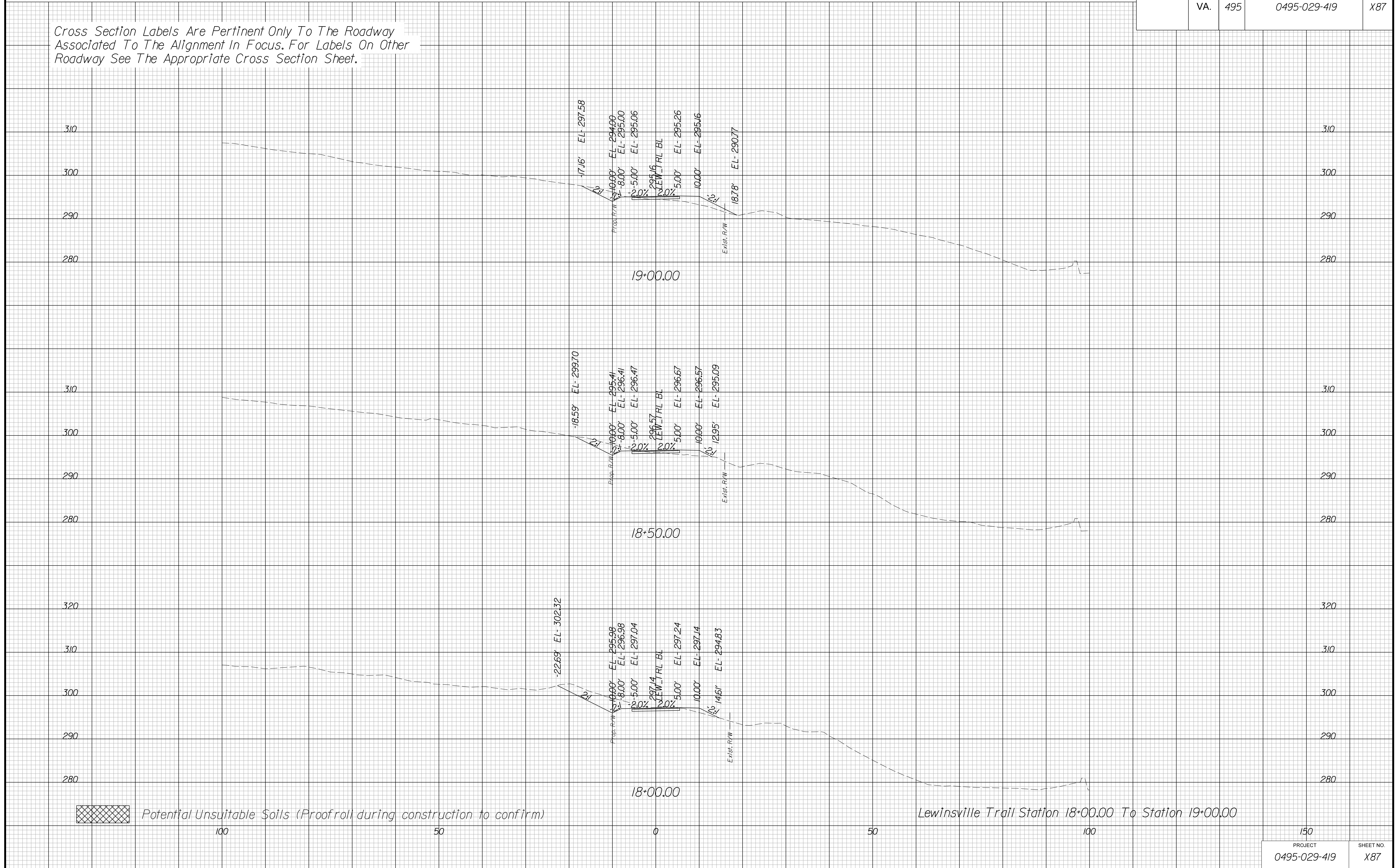
CROSS SECTIONS

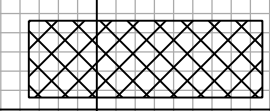
SCALE 1 IN. = 10 FT

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.	495	0495-029-419	X87

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 18+00.00 To Station 19+00.00

PROJECT	SHEET NO.
0495-029-419	X87

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

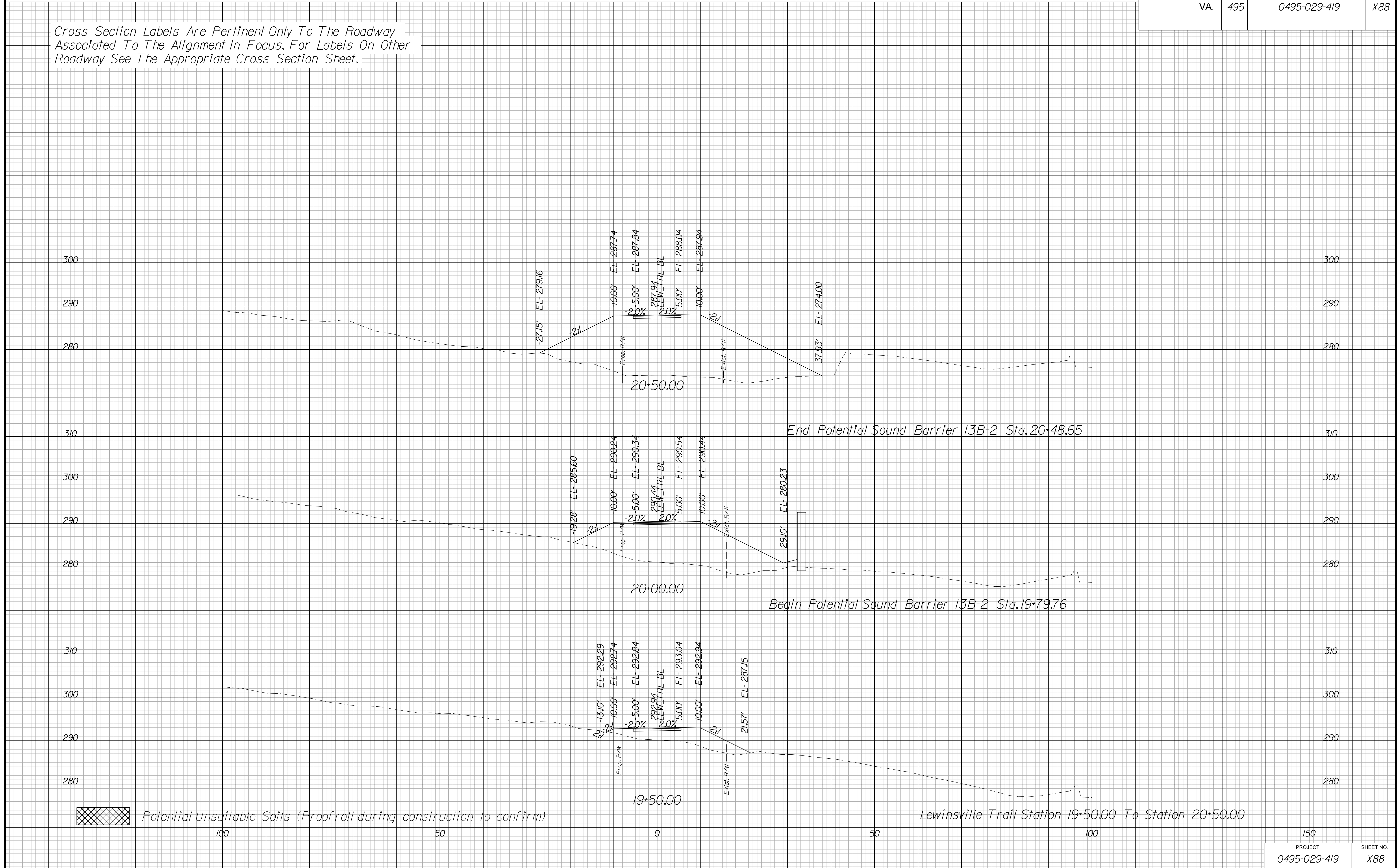
CROSS SECTIONS

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.	495	0495-029-419	X88

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

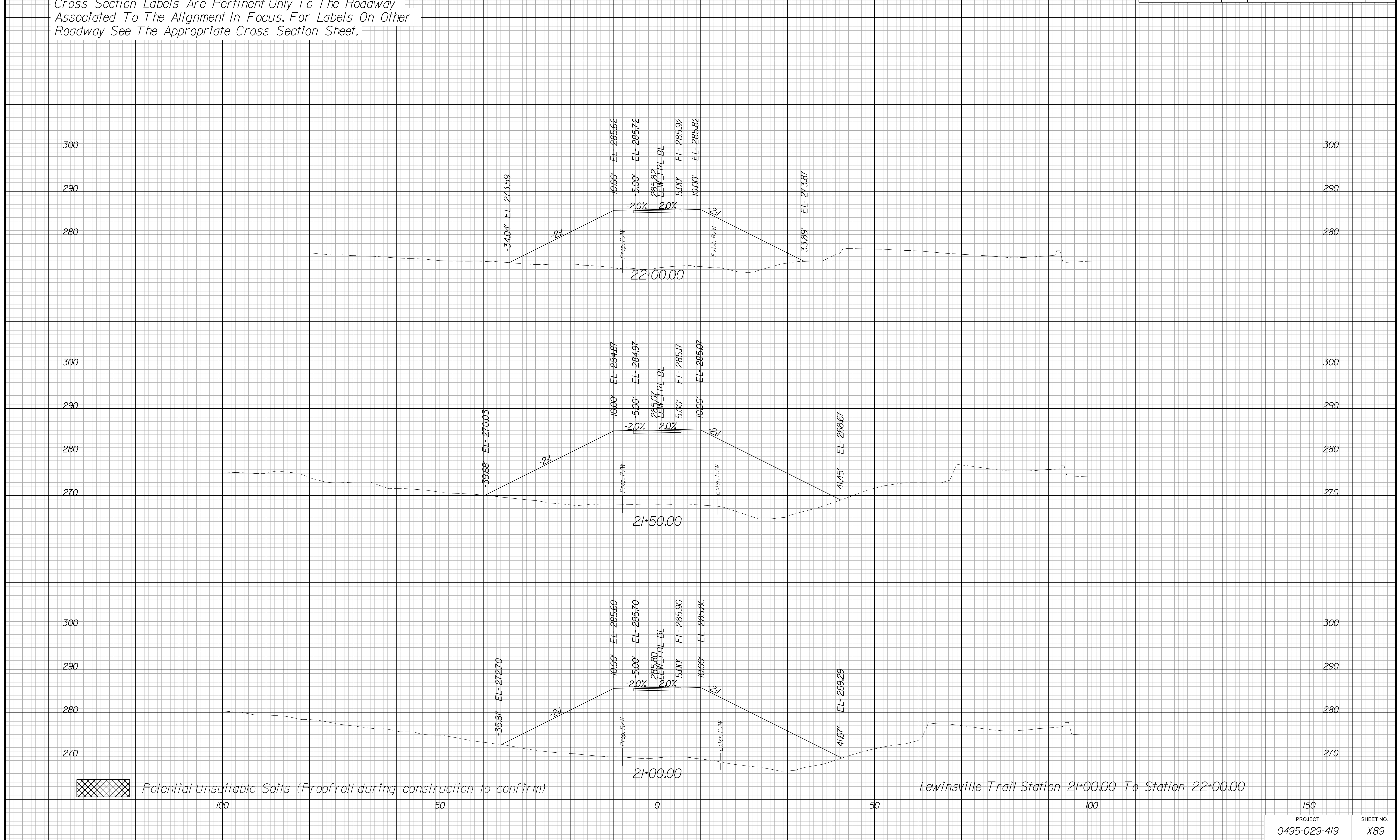
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X89

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

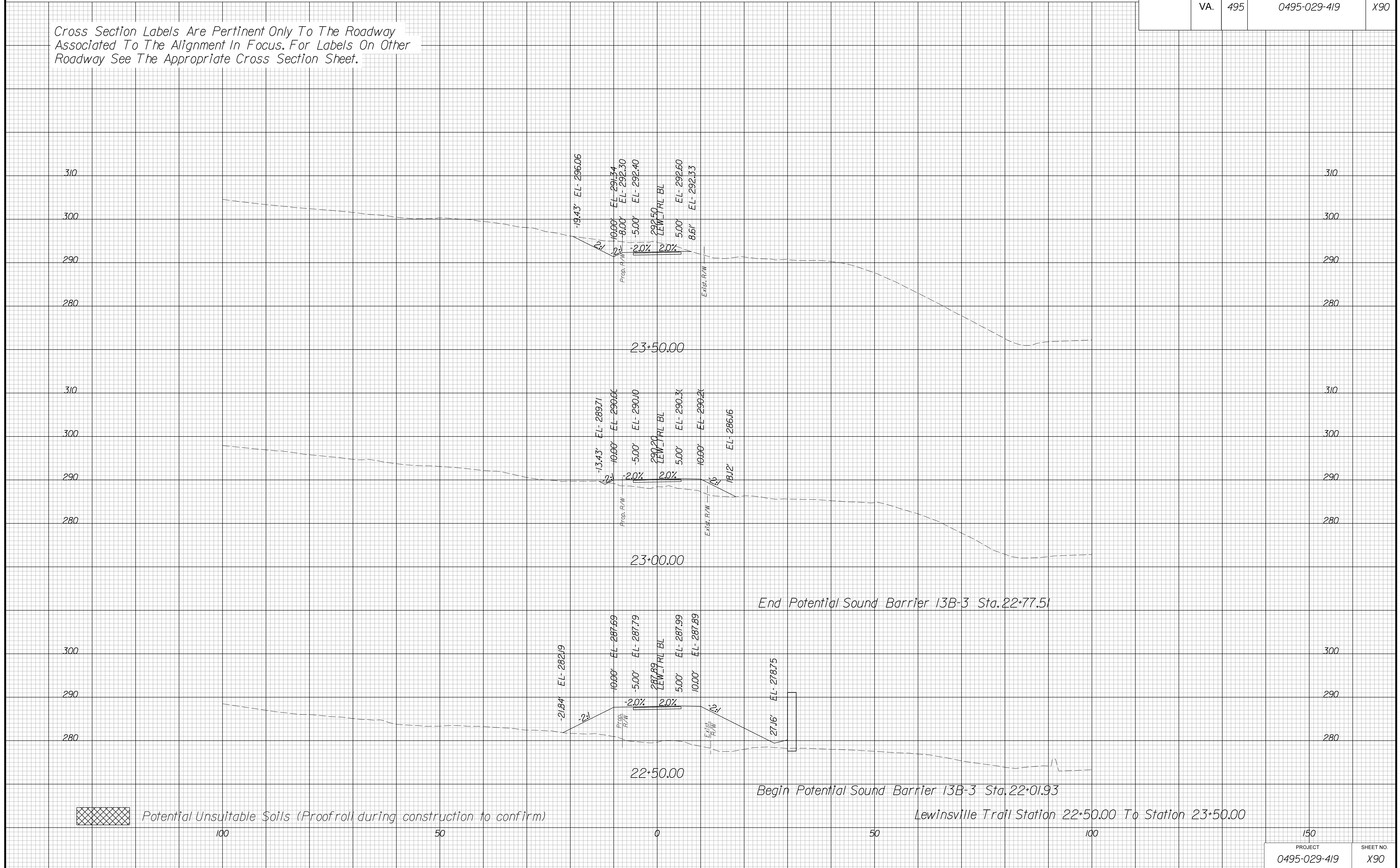
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X90

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

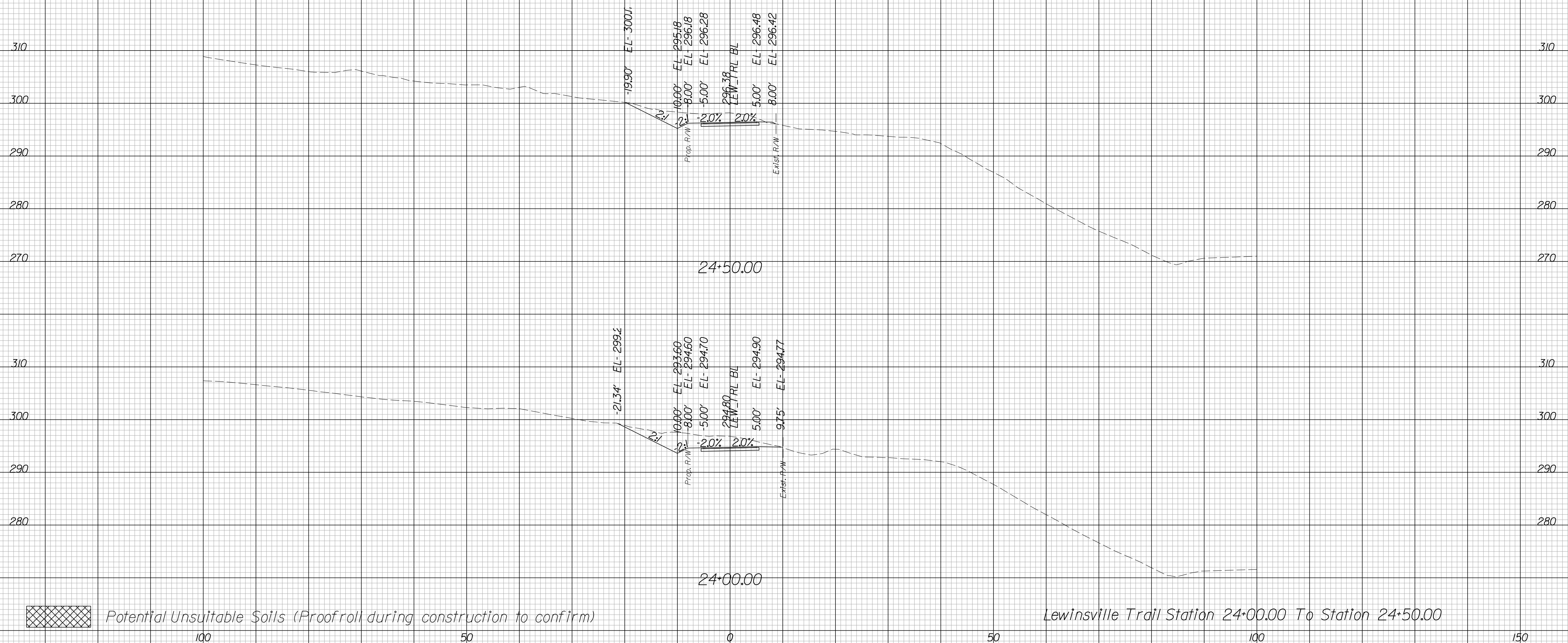
CROSS SECTIONS

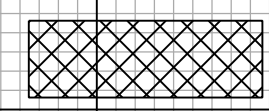
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 24+00.00 To Station 24+50.00

150	
PROJECT	SHEET NO.
0495-029-419	X91

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

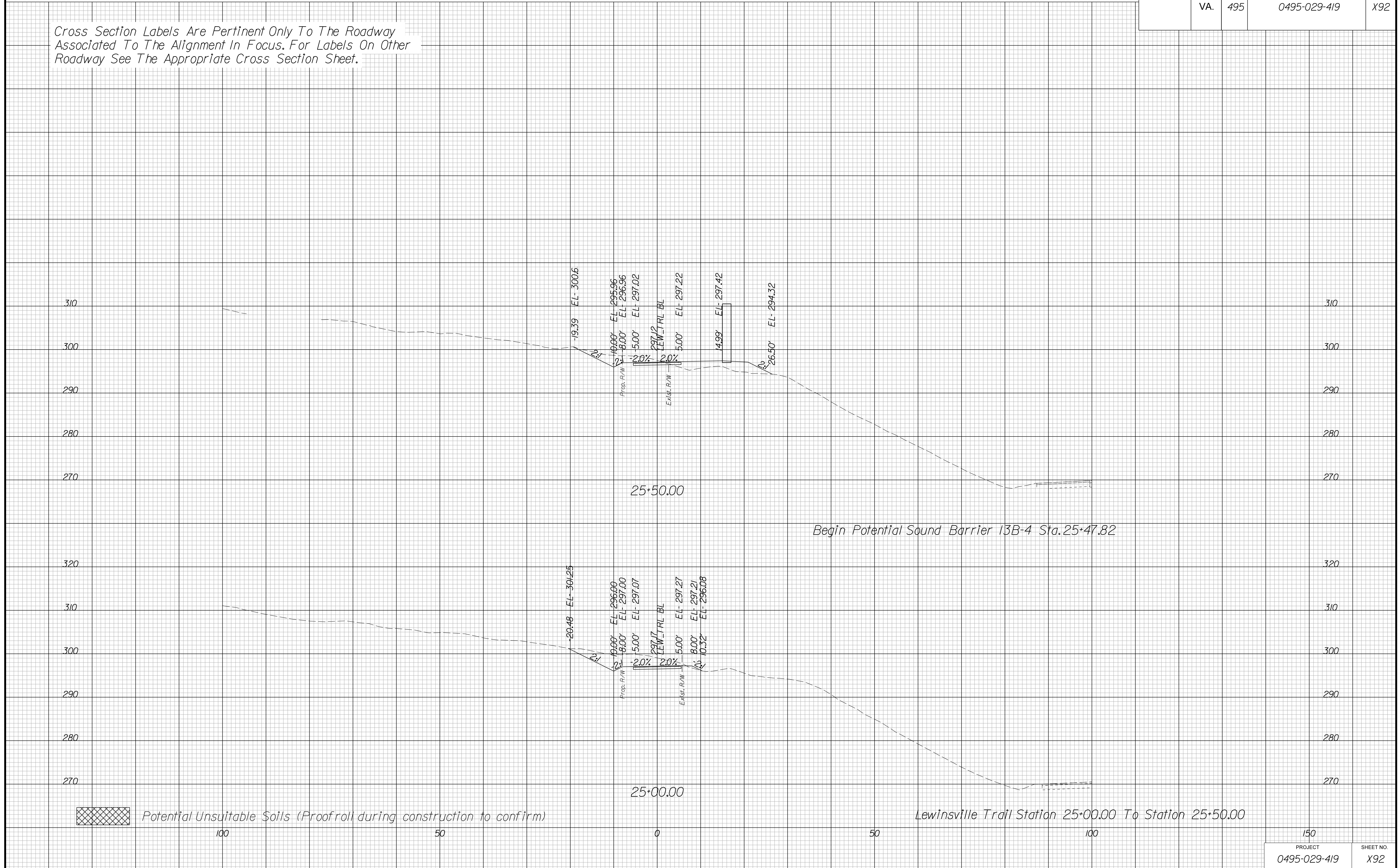
CROSS SECTIONS

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		SHEET NO.
	ROUTE	PROJECT	
	VA. 495	0495-029-419	X92

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

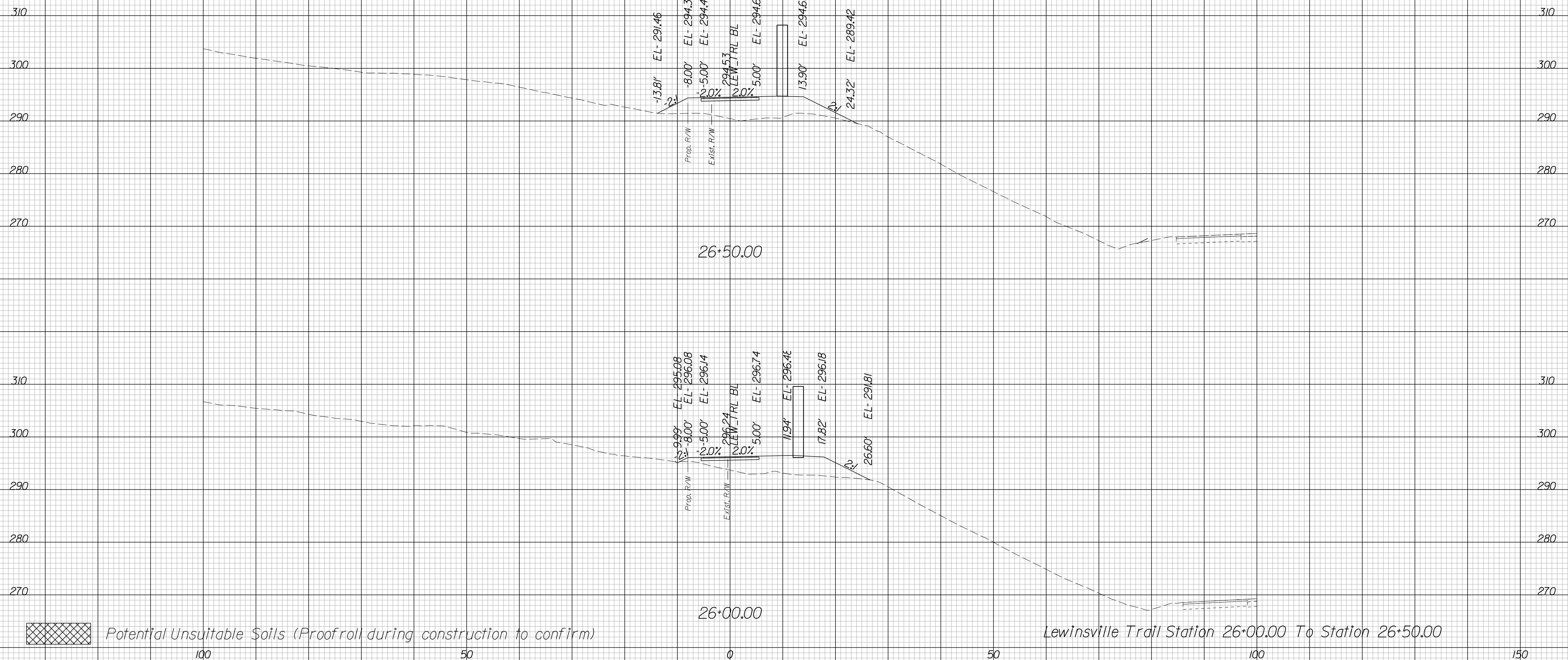
CROSS SECTIONS

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X93

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (521) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

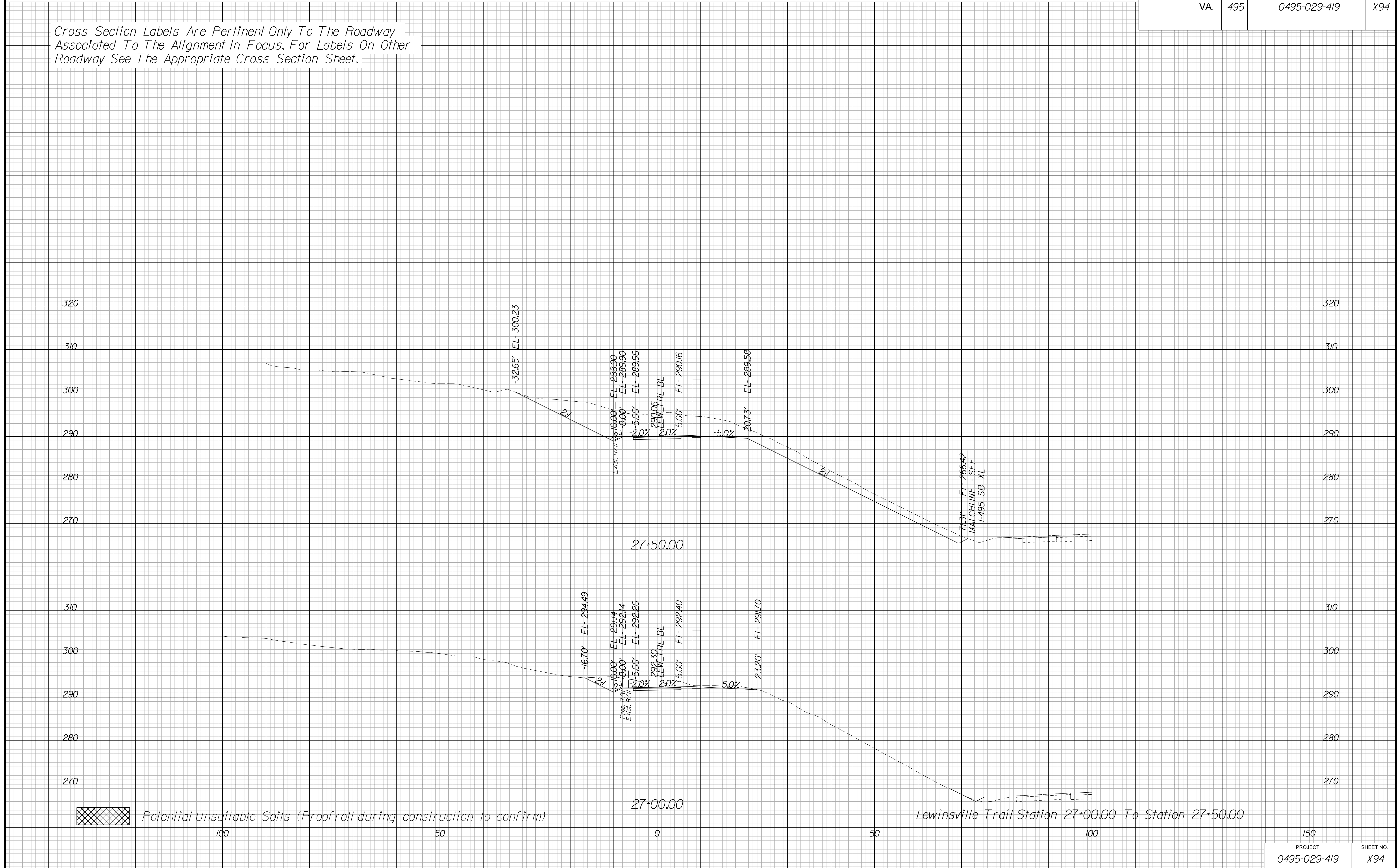
CROSS SECTIONS

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X94

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



150	
PROJECT	SHEET NO.
0495-029-419	X94

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

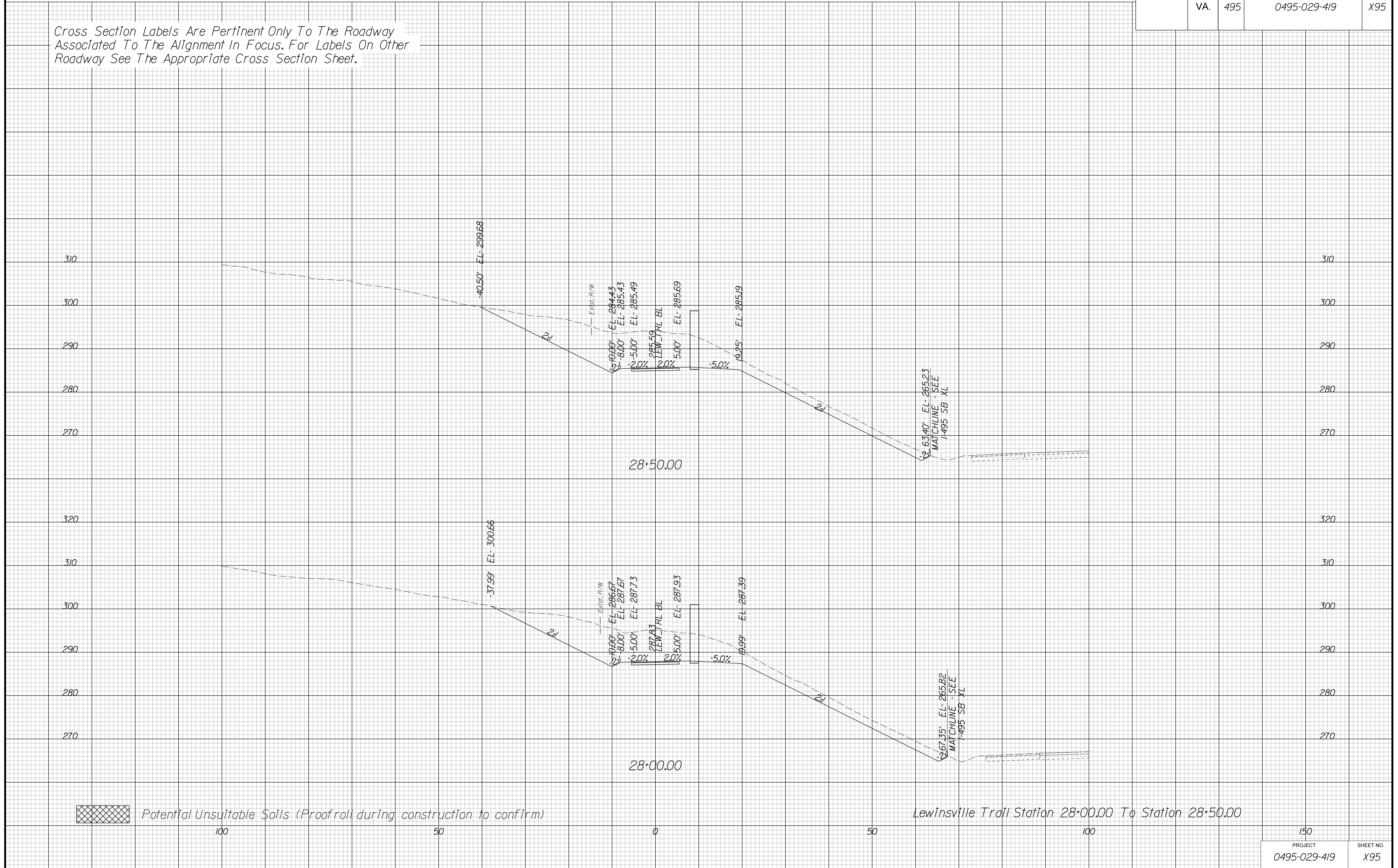
CROSS SECTIONS

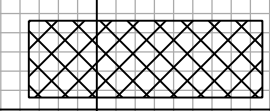
SCALE 1 IN. = 10 FT

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		SHEET NO.
	ROUTE	PROJECT	
	VA.	495	X95
		0495-029-419	

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 28+00.00 To Station 28+50.00

150	
PROJECT	SHEET NO.
0495-029-419	X95

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

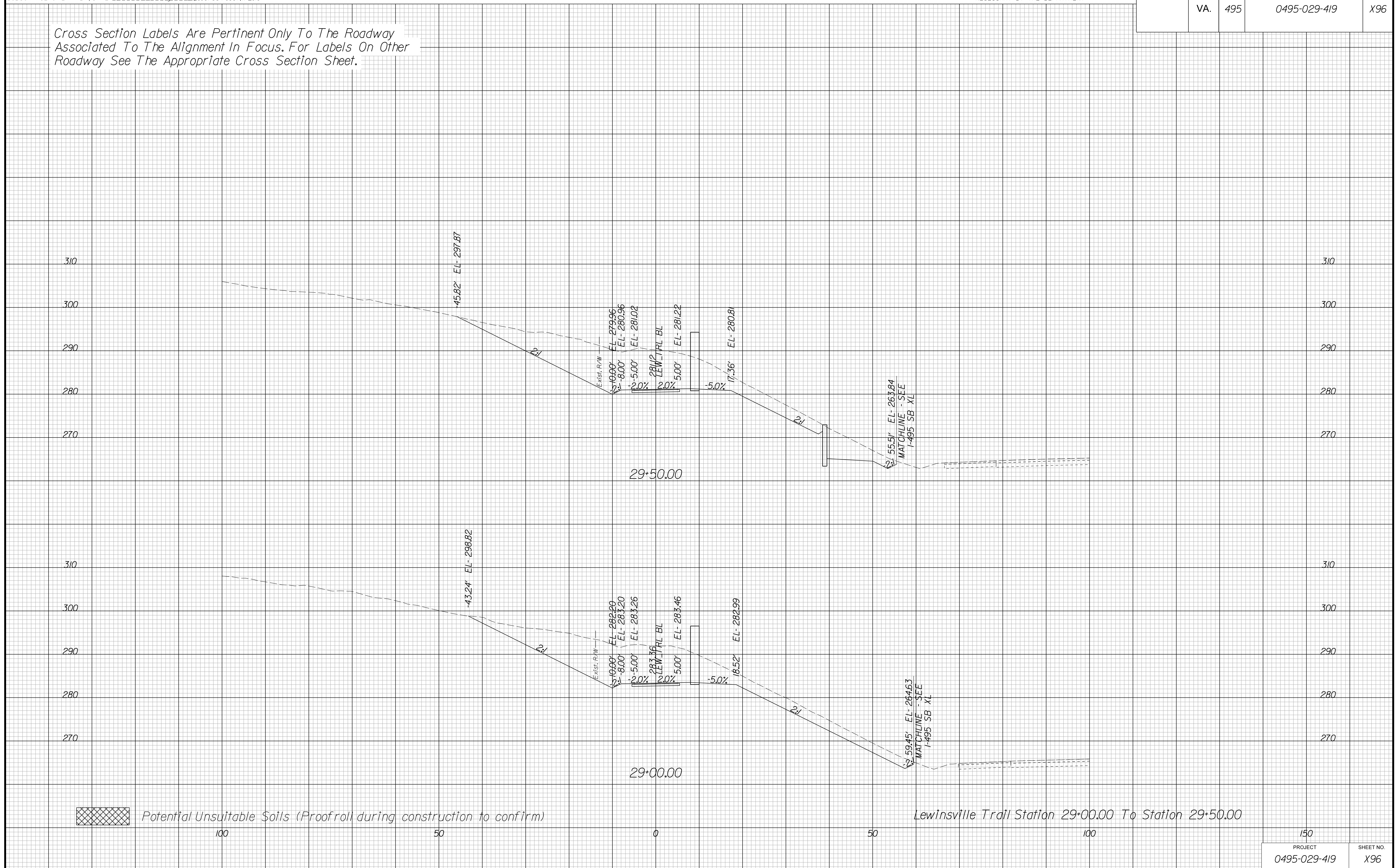
CROSS SECTIONS

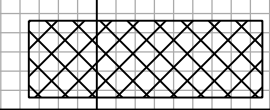
SCALE 1 IN. = 10 FT

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.	495	0495-029-419	X96

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

150	
PROJECT	SHEET NO.
0495-029-419	X96

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

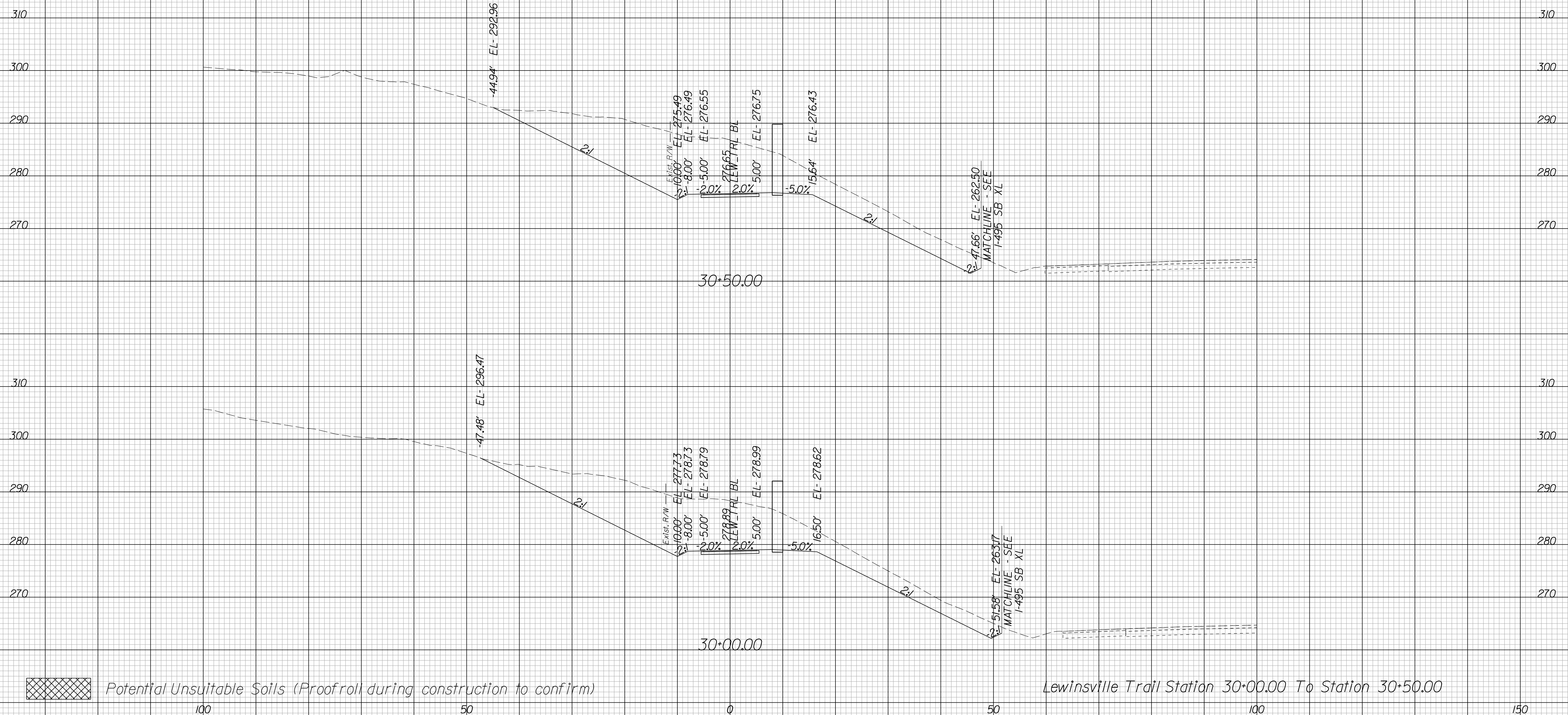
CROSS SECTIONS

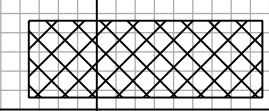
SCALE 1 IN. = 10 FT

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 PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X97

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 30+00.00 To Station 30+50.00

150	
PROJECT	SHEET NO.
0495-029-419	X97

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

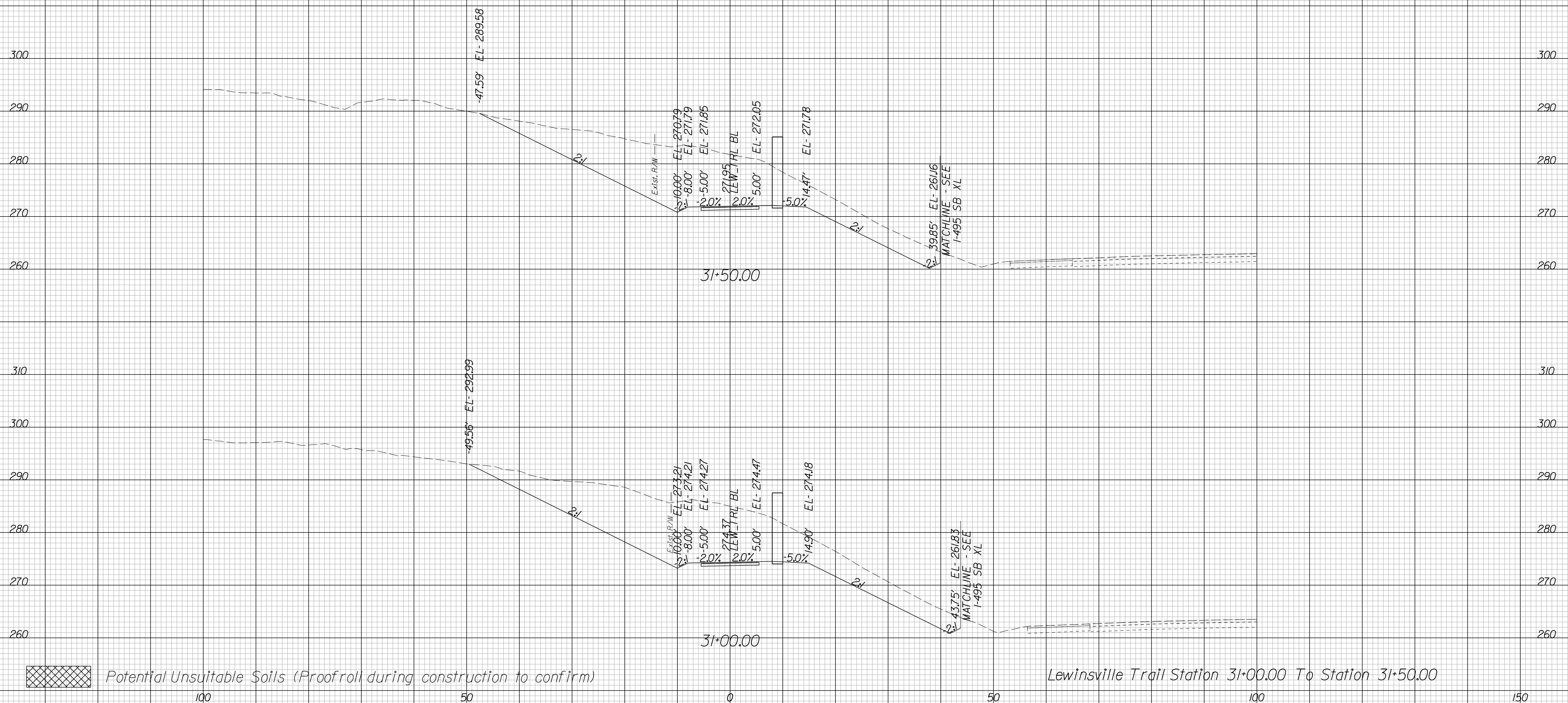
CROSS SECTIONS

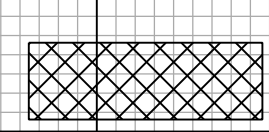
SCALE 1 IN. = 10 FT

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X98

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 31+00.00 To Station 31+50.00

150	
PROJECT	SHEET NO.
0495-029-419	X98

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

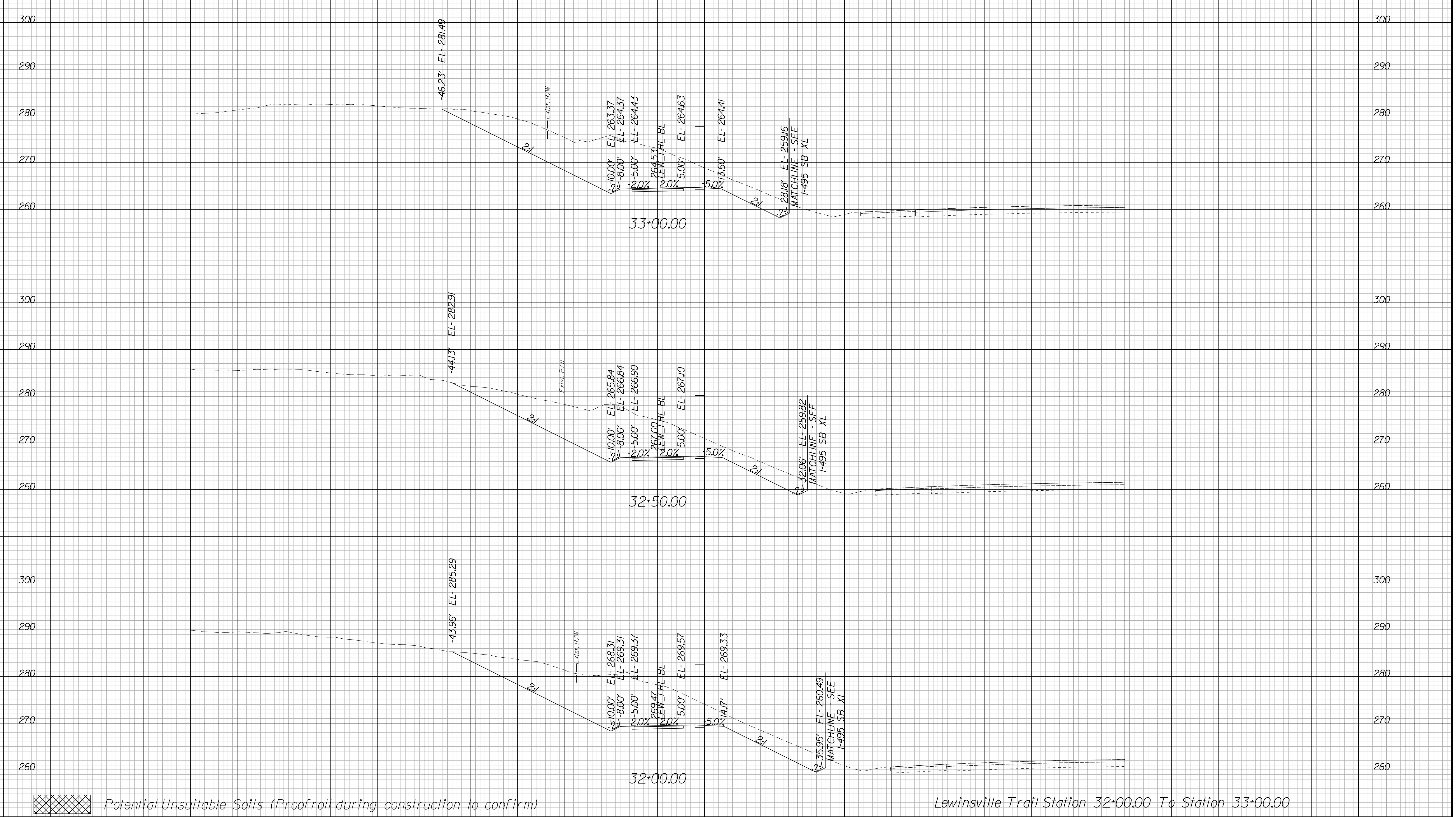
CROSS SECTIONS

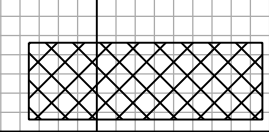
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X99

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 32+00.00 To Station 33+00.00

150	PROJECT	SHEET NO.
0495-029-419		X99

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

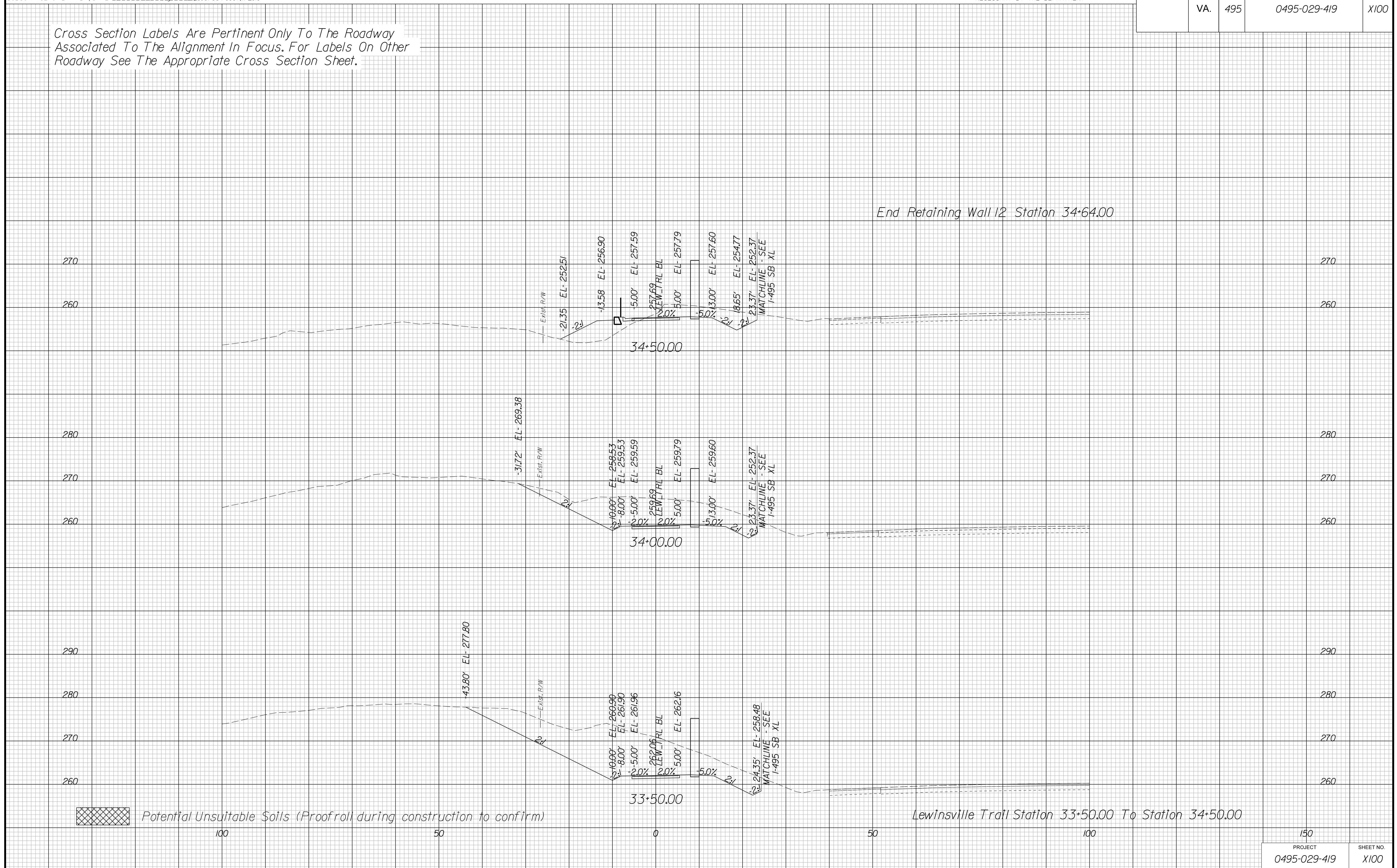
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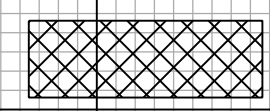
SCALE 1 IN. = 10 FT

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		PROJECT	SHEET NO.
	STATE	ROUTE		
	VA.	495	0495-029-419	X100

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

150	PROJECT	SHEET NO.
0495-029-419	X100	

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

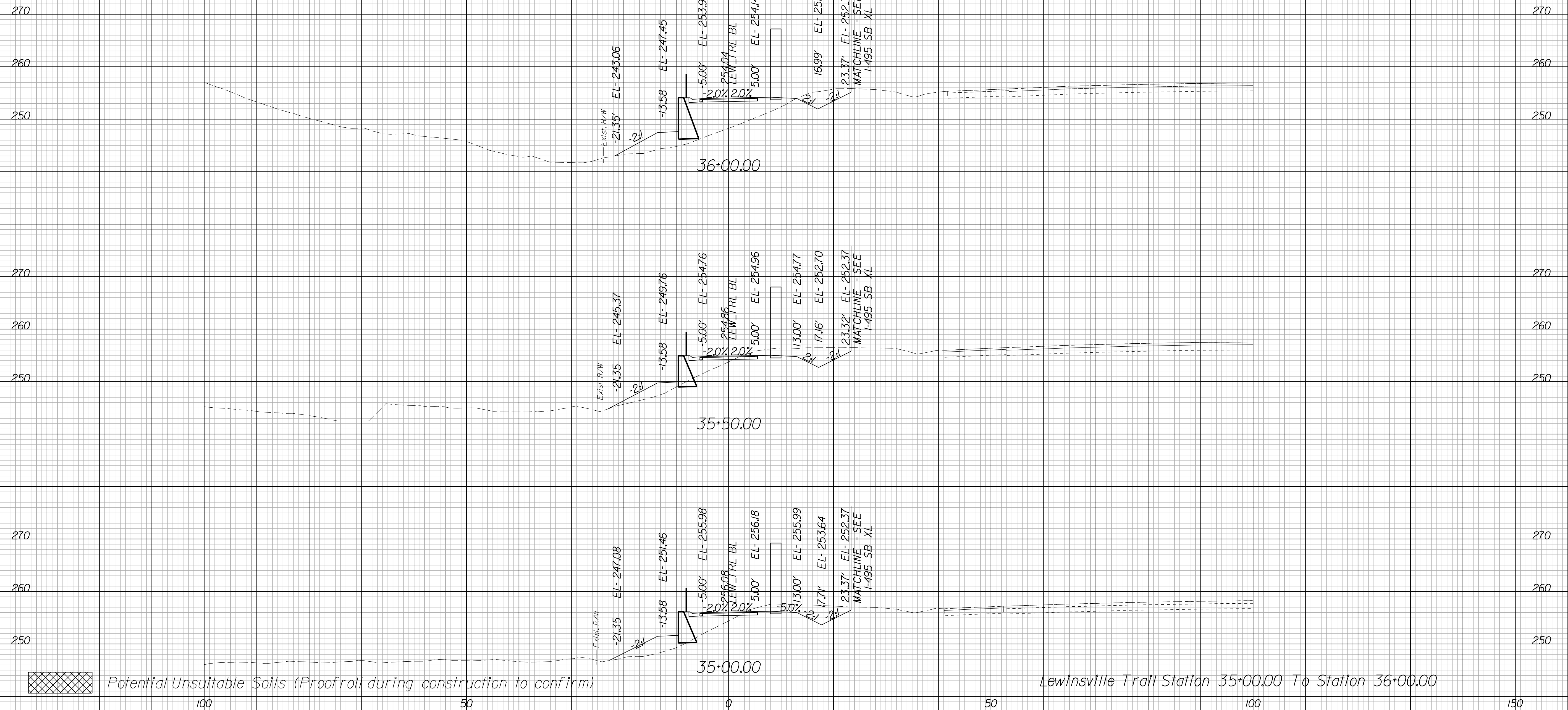
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
		VA.	495		0495-029-419

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

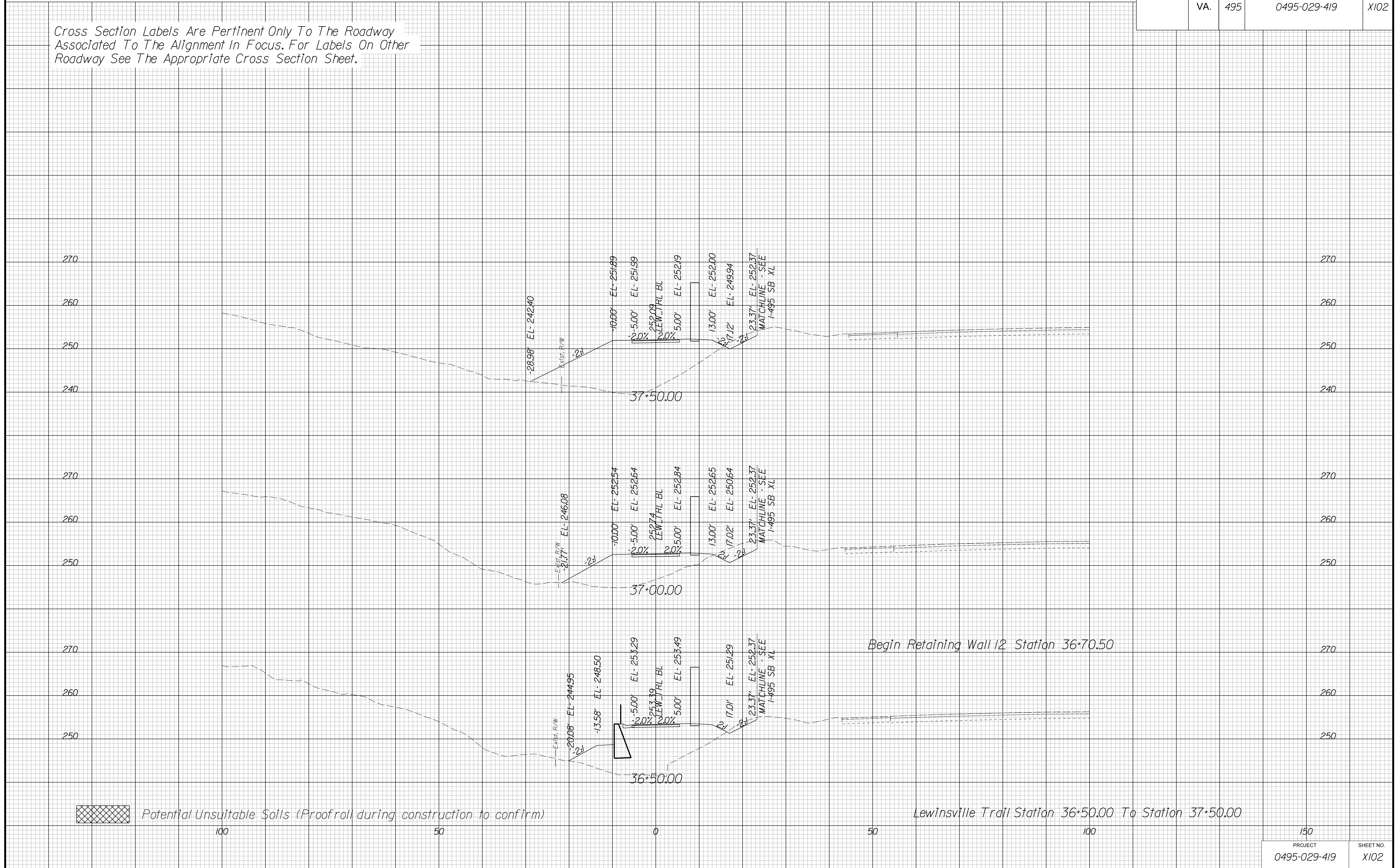
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
		VA.	495		

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

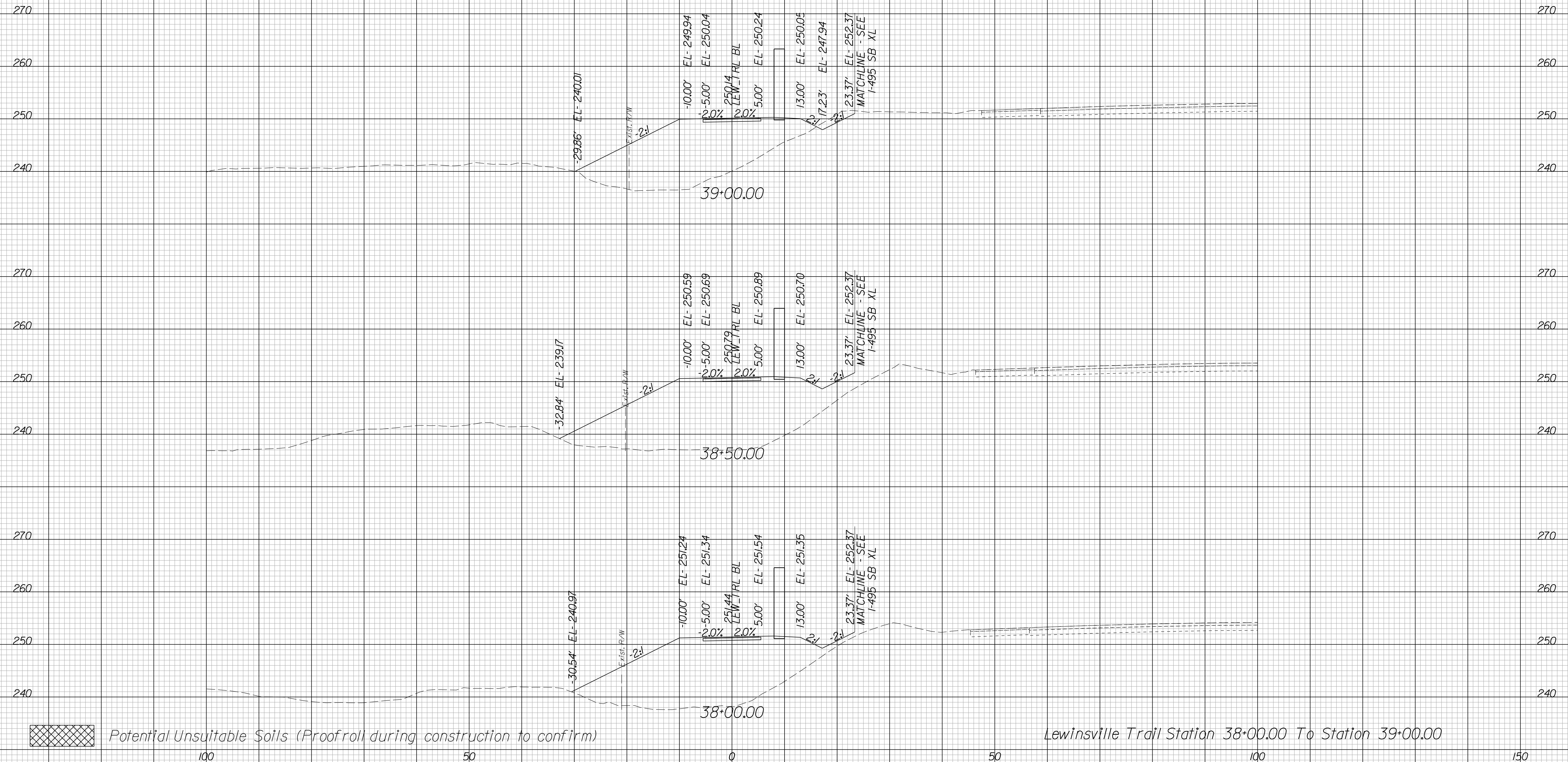
CROSS SECTIONS

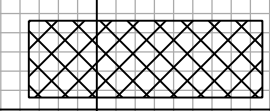
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X103

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 38+00.00 To Station 39+00.00

150	PROJECT	SHEET NO.
0495-029-419		X103

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

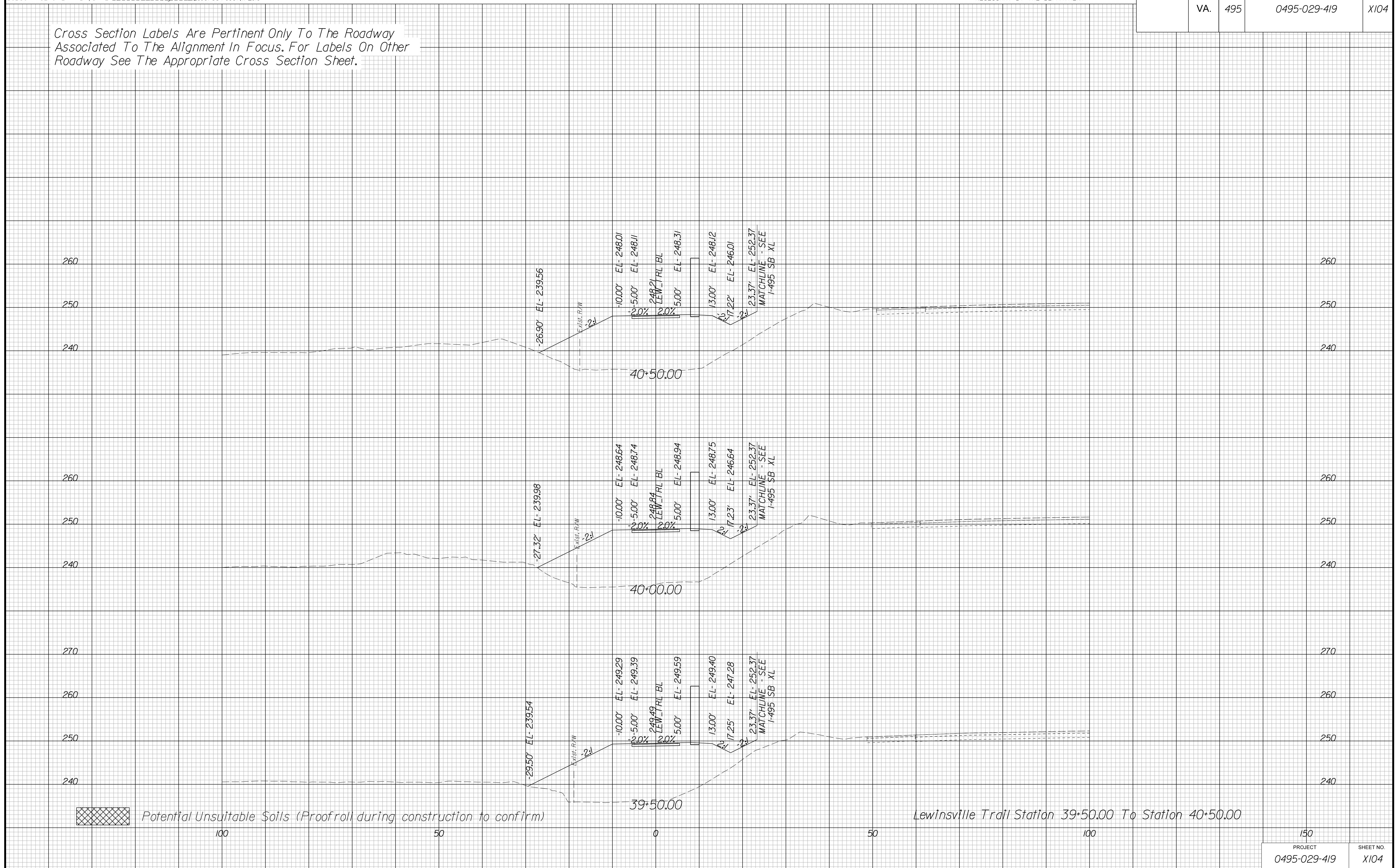
CROSS SECTIONS

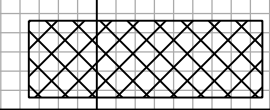
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 39+50.00 To Station 40+50.00

150	PROJECT	SHEET NO.
0495-029-419		X104

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X105

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

260
250
240

260
250
240

-33.33' EL- 235.26

42+00.00

10.00' EL- 246.93
5.00' EL- 247.03
2.0%
247.13
LEW_TRL BL
5.00' EL- 247.23
13.00' EL- 247.04
18.04' EL- 244.52
23.37' EL- 252.37
MATCHLINE - SEE 1-495 SB XL

260
250
240

260
250
240

-28.45' EL- 238.03

41+50.00

10.00' EL- 247.25
5.00' EL- 247.35
2.0%
247.45
LEW_TRL BL
5.00' EL- 247.55
13.00' EL- 247.36
17.72' EL- 245.00
23.37' EL- 252.37
MATCHLINE - SEE 1-495 SB XL

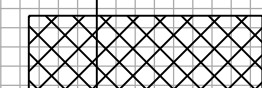
260
250
240

260
250
240

-29.62' EL- 237.76

41+00.00

10.00' EL- 247.57
5.00' EL- 247.67
2.0%
247.77
LEW_TRL BL
5.00' EL- 247.87
13.00' EL- 247.68
17.41' EL- 245.48
23.37' EL- 252.37
MATCHLINE - SEE 1-495 SB XL



Potential Unsuitable Soils (Proofroll during construction to confirm)

100

50

0

50

100

150

Lewinsville Trail Station 41+00.00 To Station 42+00.00

PROJECT 0495-029-419

SHEET NO. X105

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

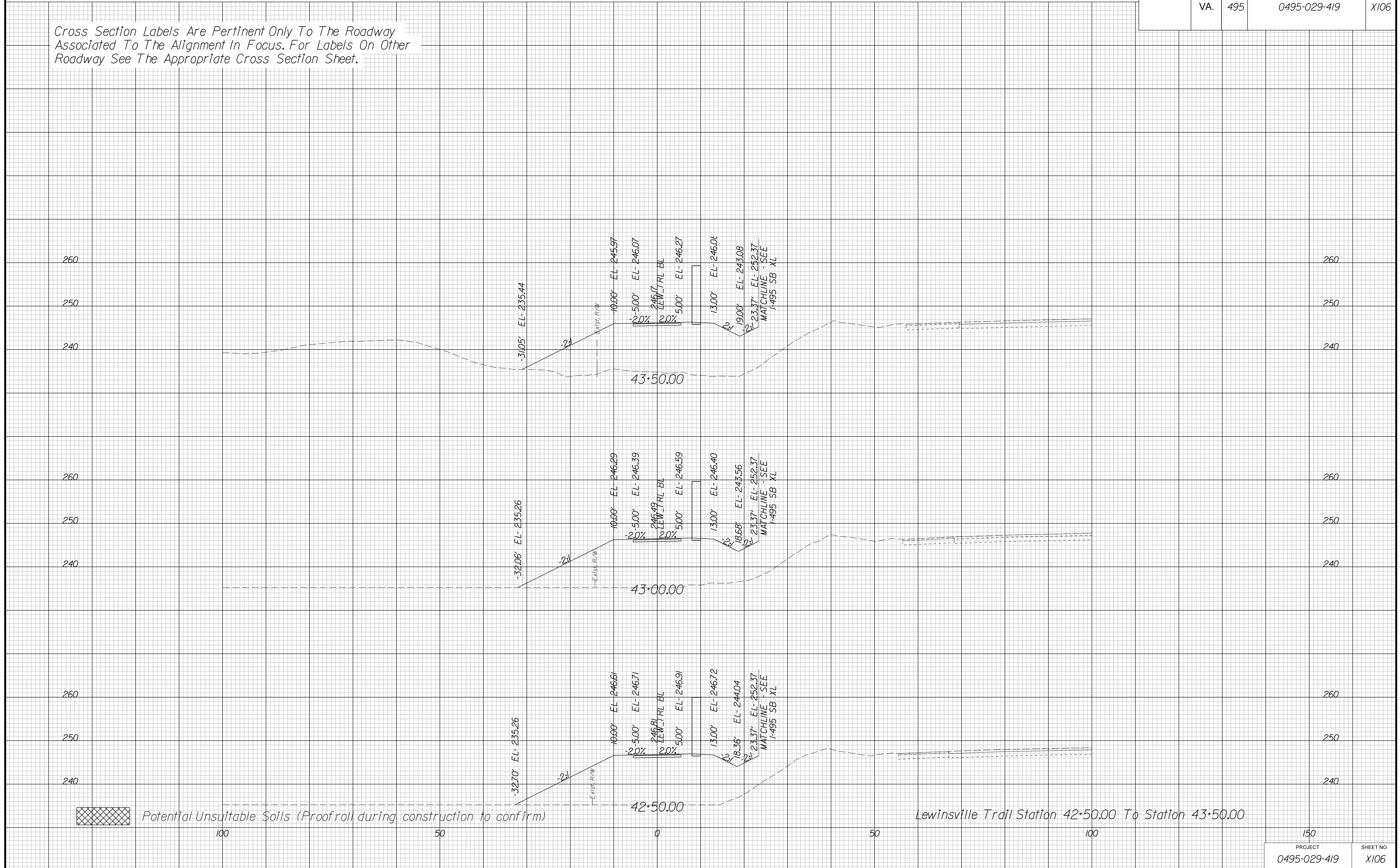
CROSS SECTIONS

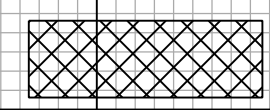
SCALE 1 IN. = 10 FT

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.	495	0495-029-419	X106

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 42+50.00 To Station 43+50.00

150	
PROJECT	SHEET NO.
0495-029-419	X106

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

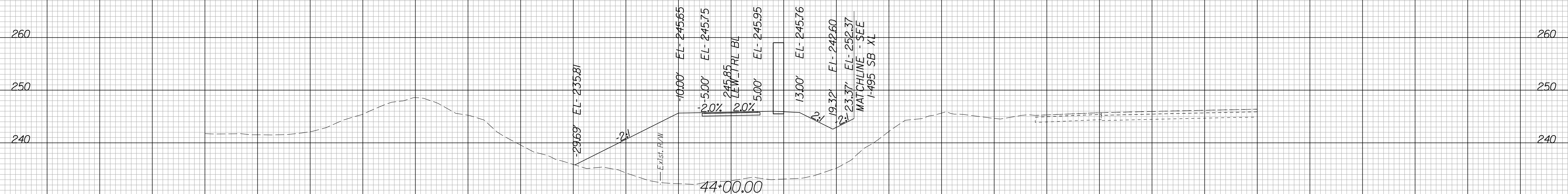
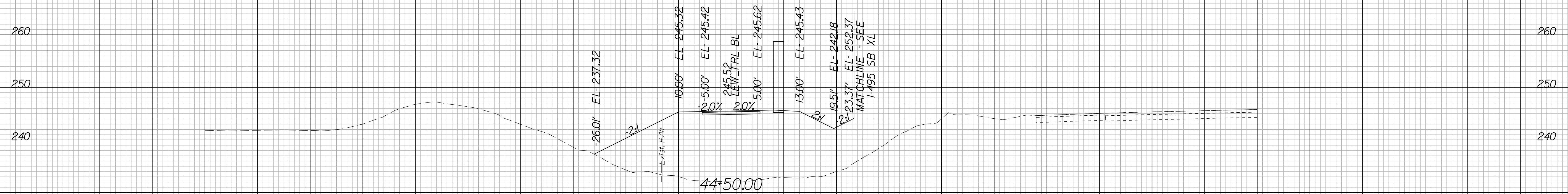
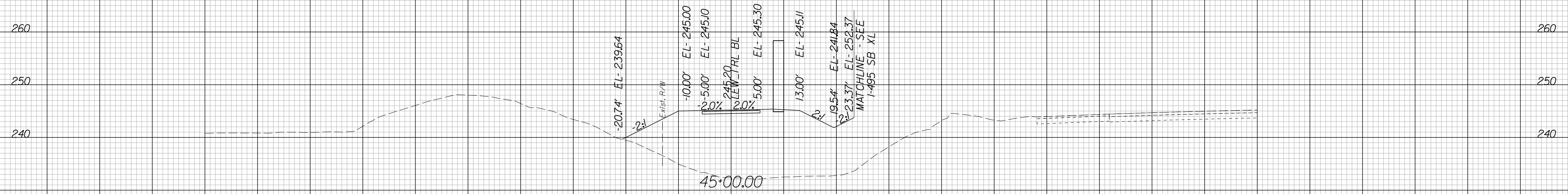
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X107

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 44+00.00 To Station 45+00.00

100

50

0

50

100

150

PROJECT 0495-029-419

SHEET NO. X107

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

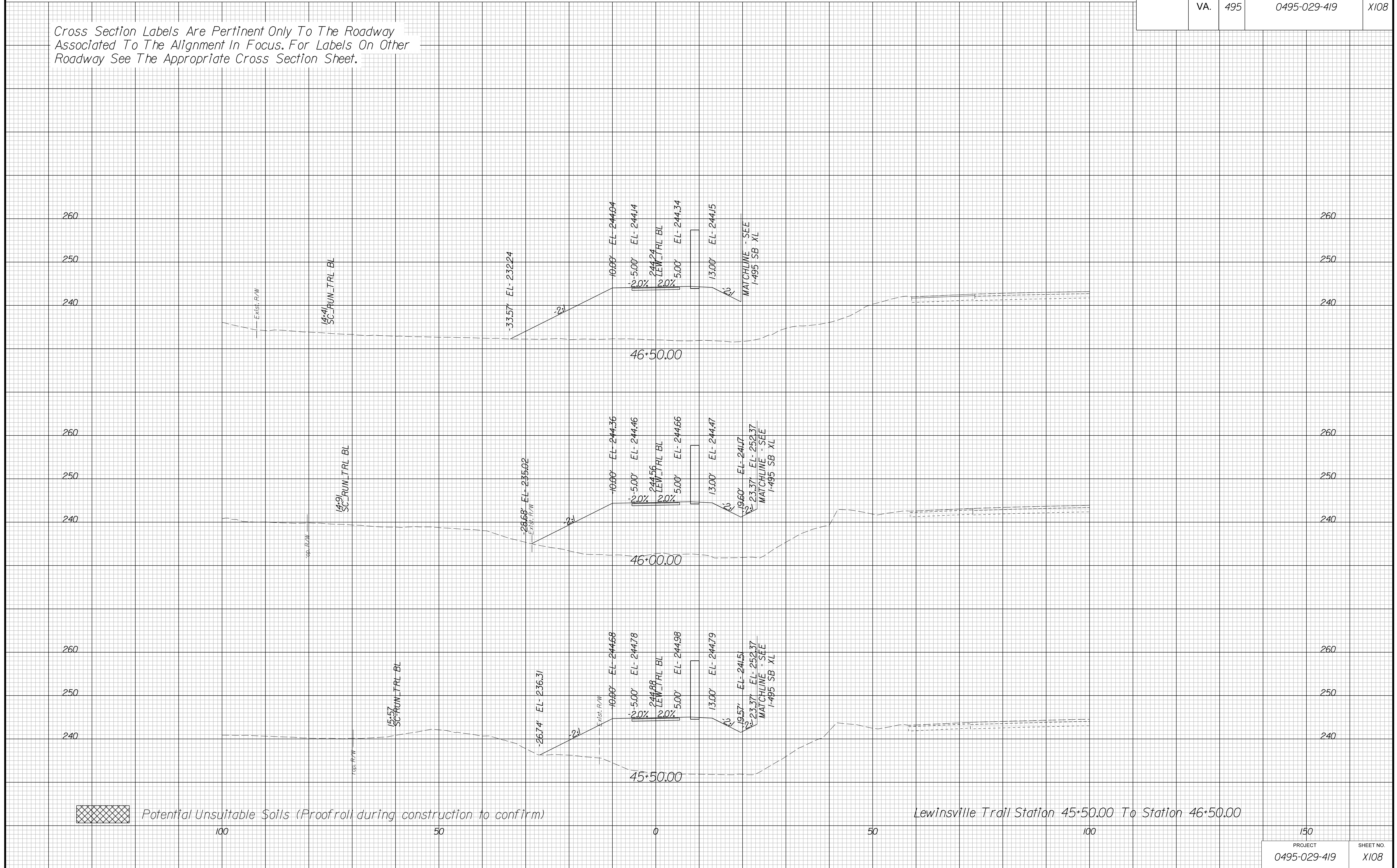
CROSS SECTIONS

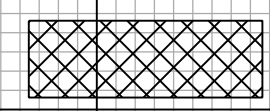
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X108

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 45+50.00 To Station 46+50.00

150	PROJECT	SHEET NO.
0495-029-419	0495-029-419	X108

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

CROSS SECTIONS

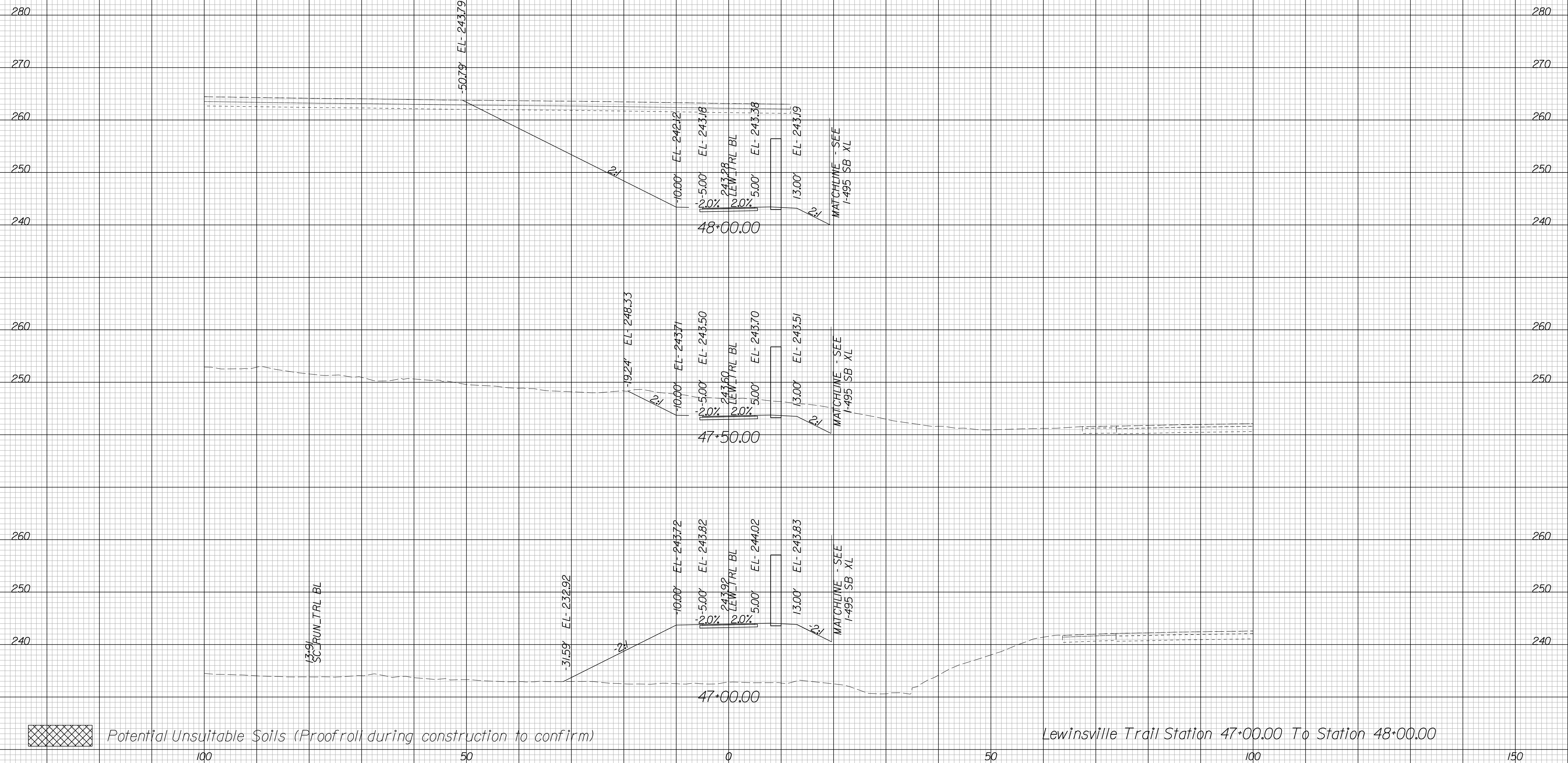
SCALE 1 IN. = 10 FT

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X109

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.

End Potential Sound Barrier 13B-4 Sta. 48+20.31



Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Trail Station 47+00.00 To Station 48+00.00

150	
PROJECT	SHEET NO.
0495-029-419	X109

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

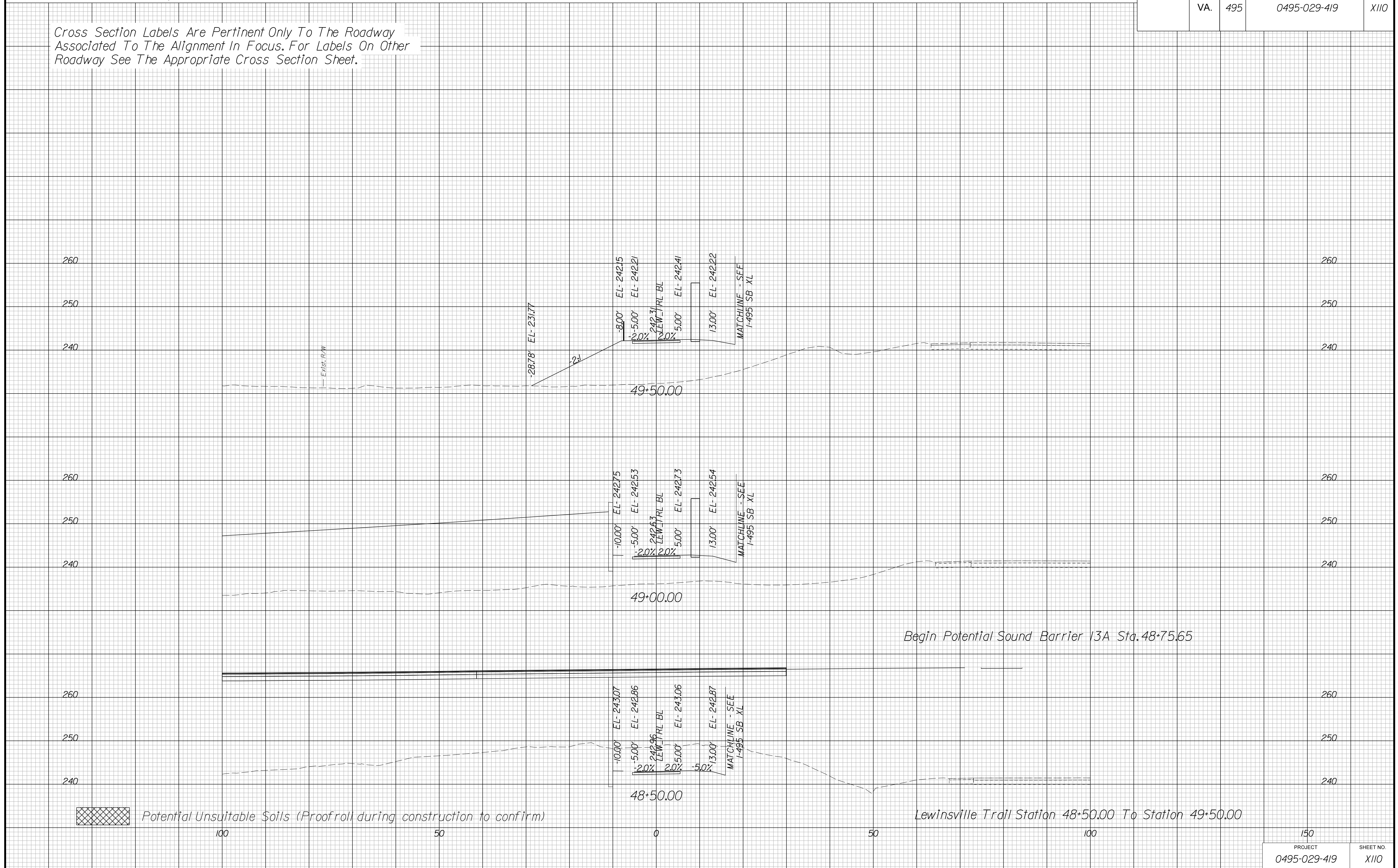
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X110

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delano PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

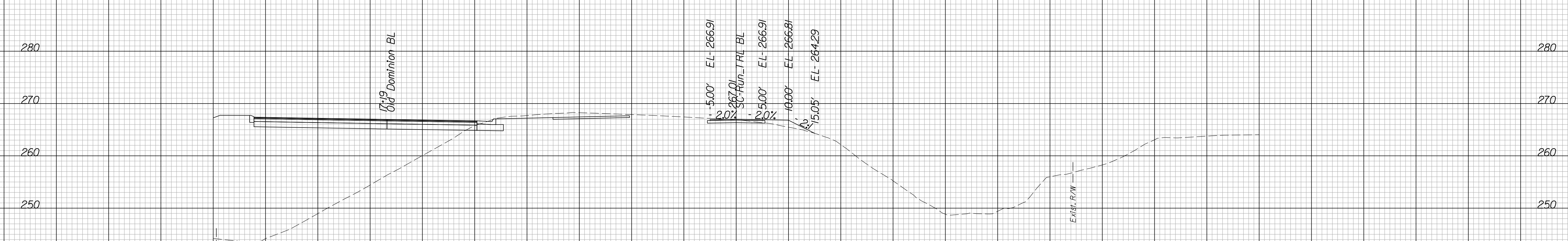
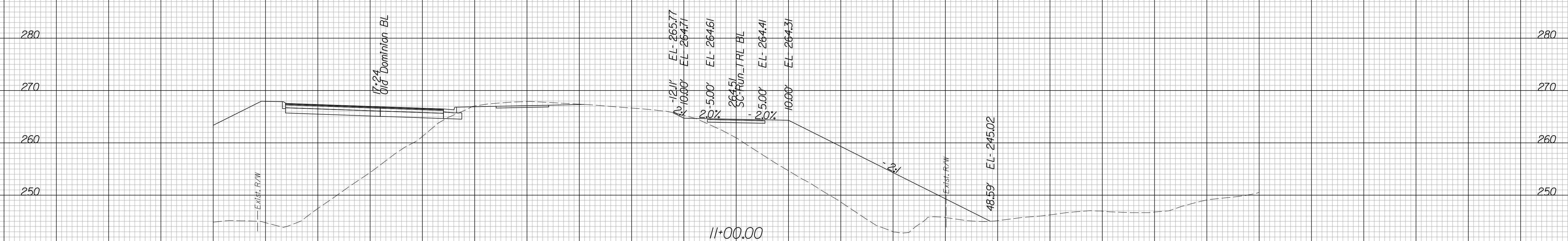
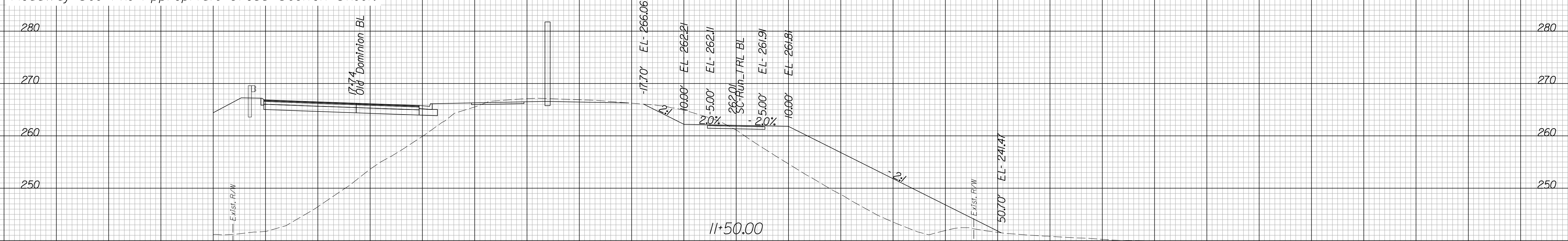
CROSS SECTIONS

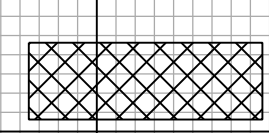
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	XIII

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Begin Construction Scotts Run Trail Station 10+00.00
Scotts Run Trail Station 10+50.00 To Station 11+50.00

PROJECT	SHEET NO.
0495-029-419	XIII

PROJECT MANAGER BDA - Darrell Fischer, PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis, LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong, PE (501) 719-6471, Dewberry - Ben Jakominich, PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis, LS (703) 334-0837, 1/2019

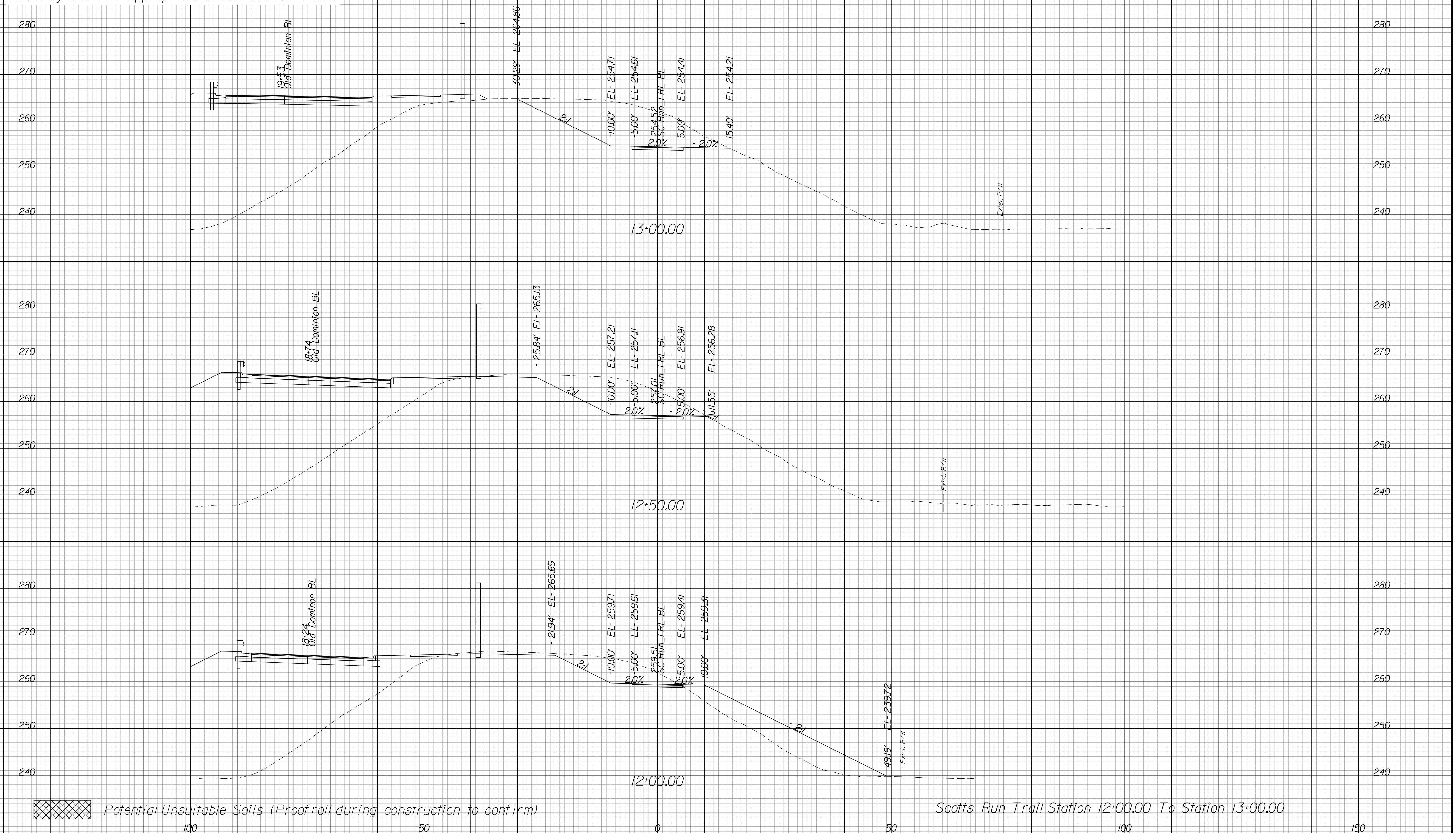
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X112

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT	SHEET NO.
0495-029-419	X112

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

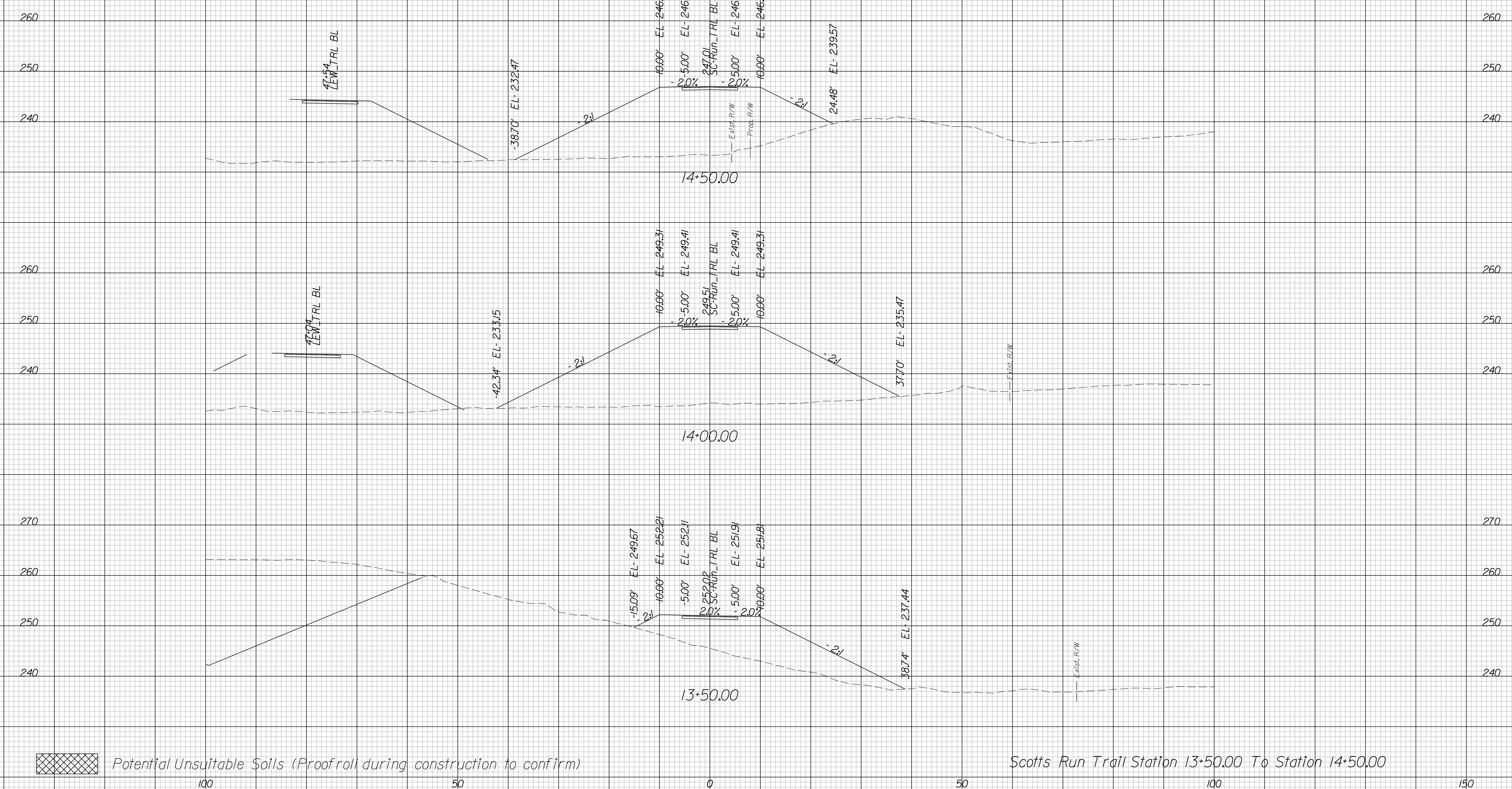
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X113

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Scotts Run Trail Station 13+50.00 To Station 14+50.00

Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT	SHEET NO.
0495-029-419	X113

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

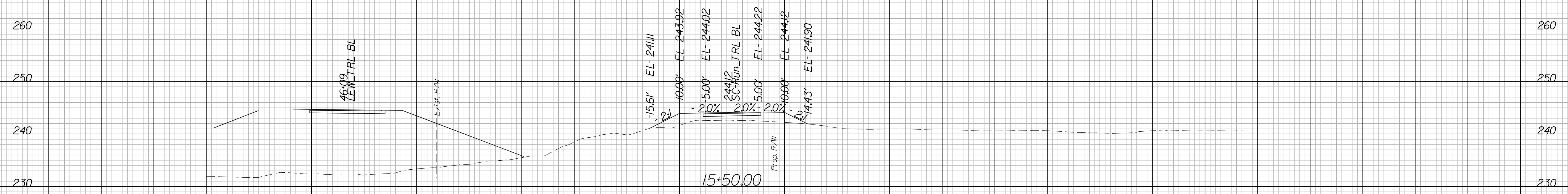
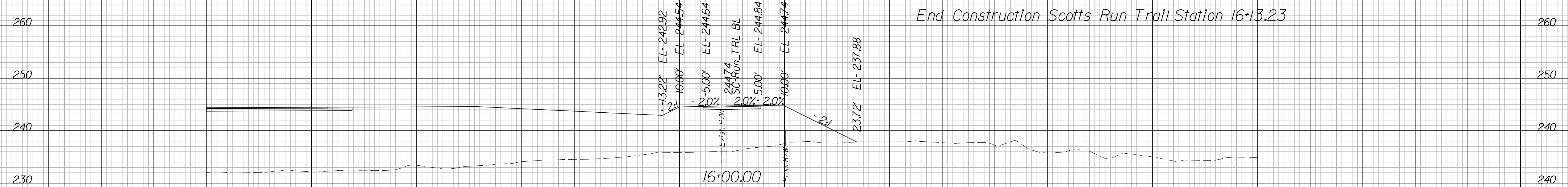
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X114

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Scotts Run Trail Station 15+00.00 To Station 16+00.00

PROJECT	SHEET NO.
0495-029-419	X114

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

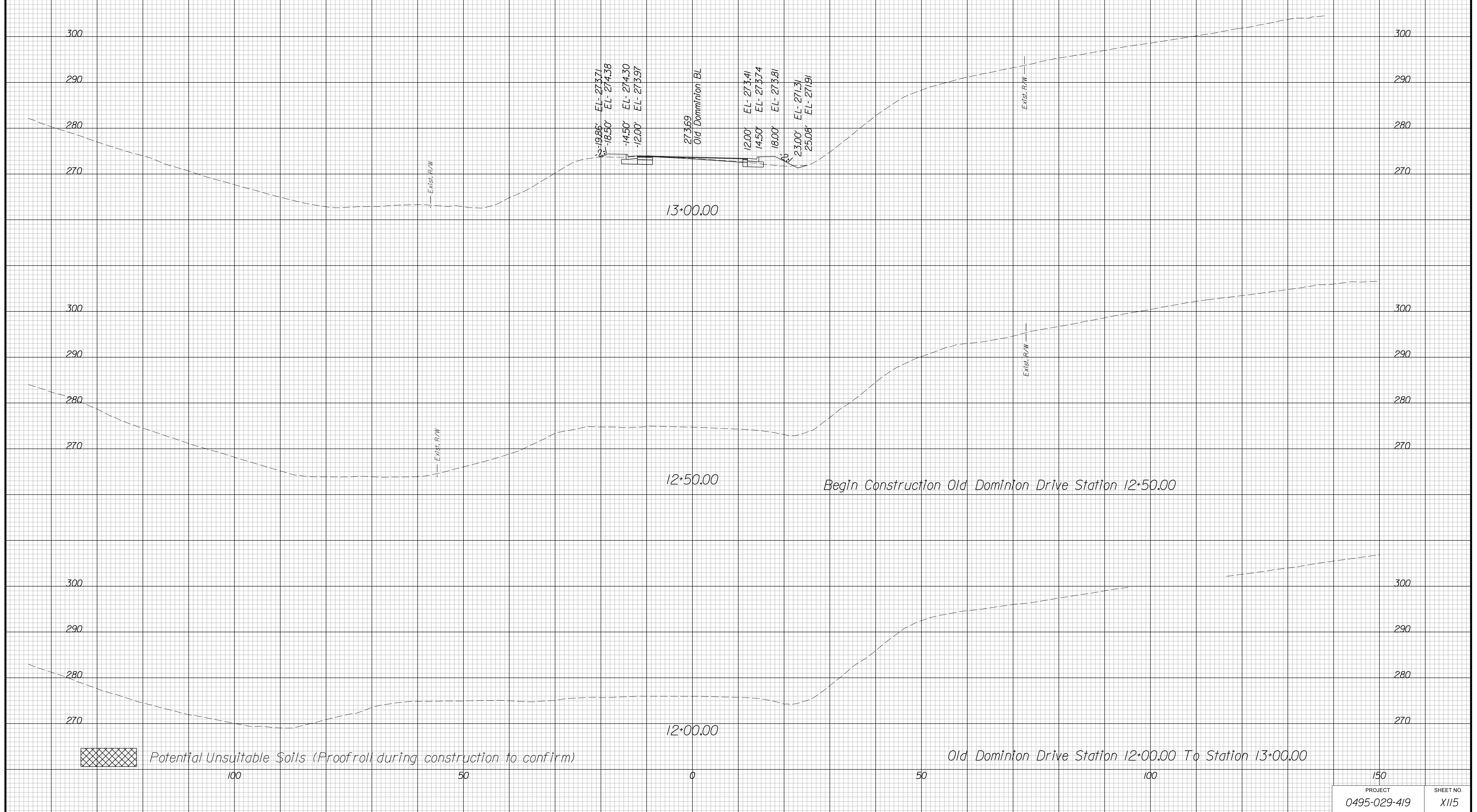
CROSS SECTIONS

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X115

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT	SHEET NO.
0495-029-419	X115

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

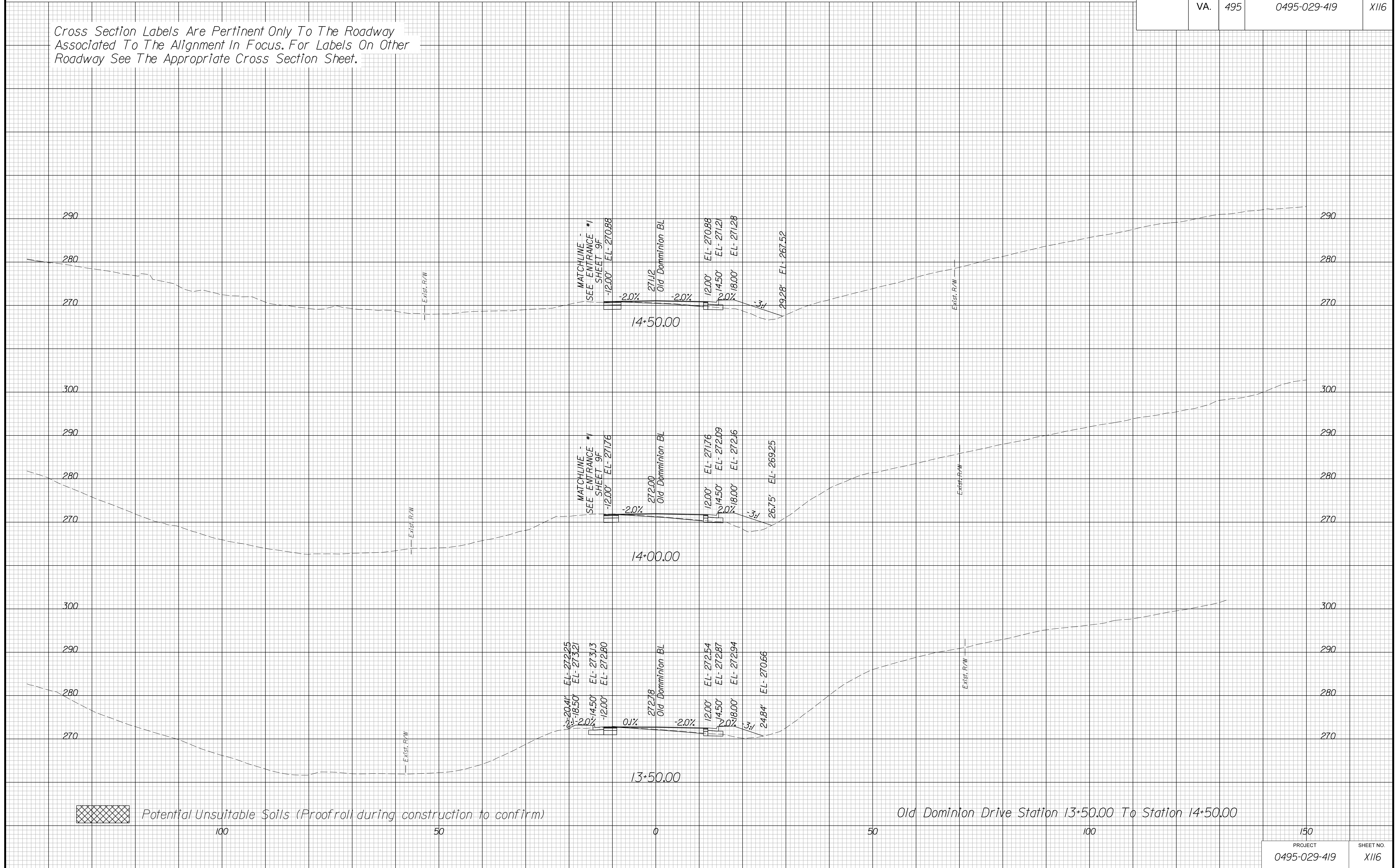
CROSS SECTIONS

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

REVISION	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X116

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

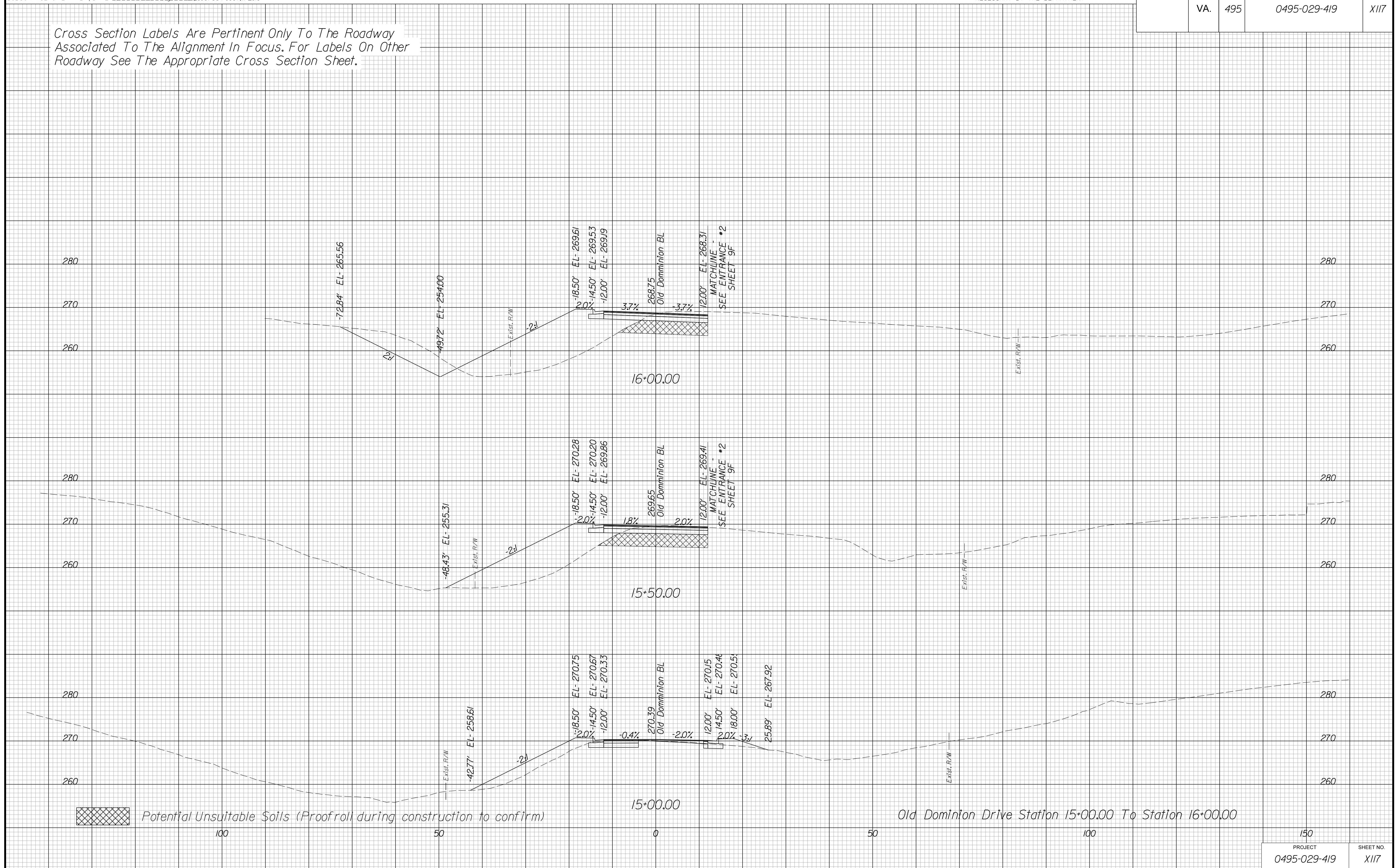
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X117

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer, PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougioulis, LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang, PE (521) 719-6471, Dewberry - Ban Jakominich, PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougioulis, LS (703) 334-0837, 1/2019

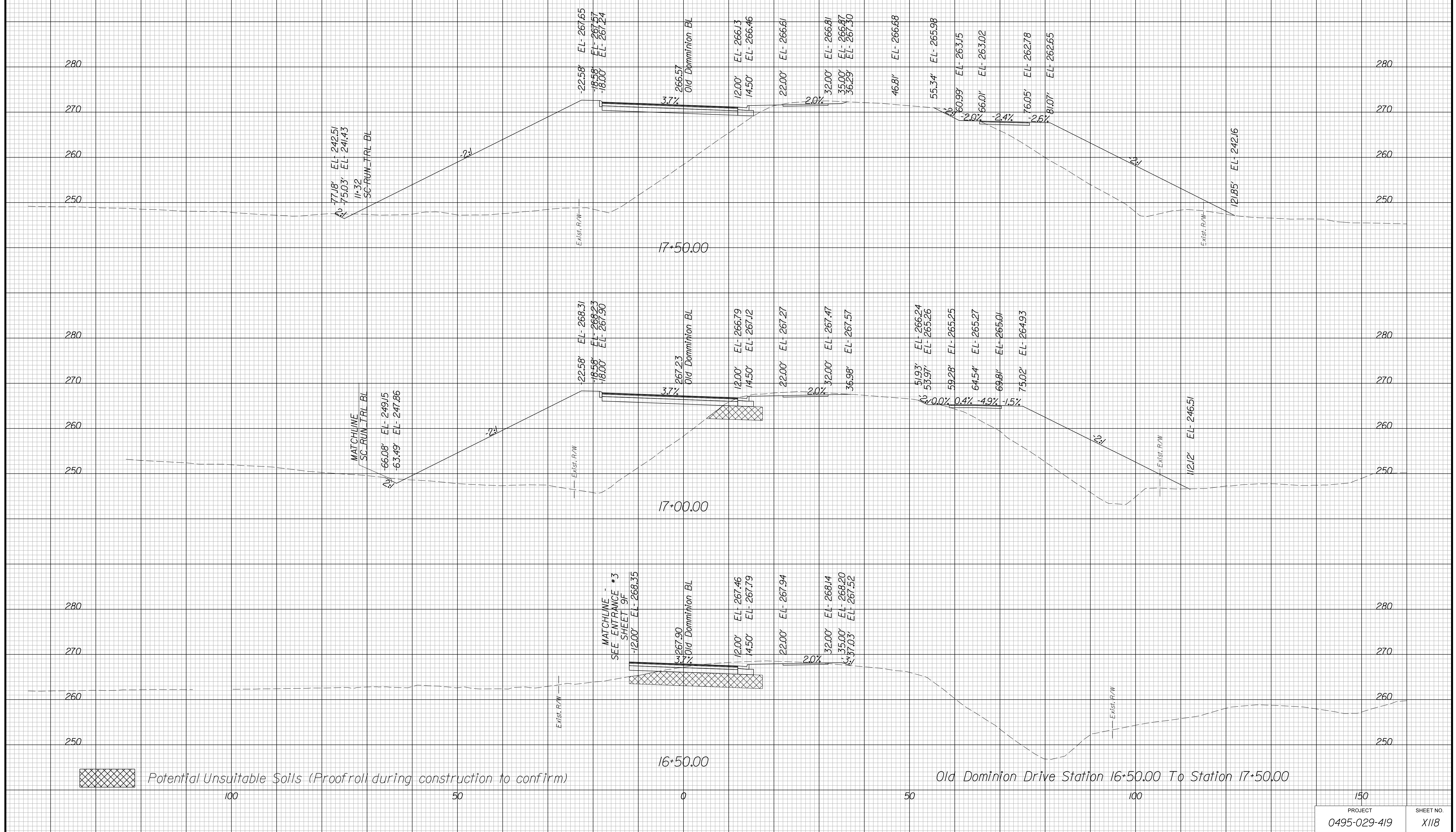
CROSS SECTIONS

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

REVISION	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X118

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

Old Dominion Drive Station 16+50.00 To Station 17+50.00

PROJECT	SHEET NO.
0495-029-419	X118

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

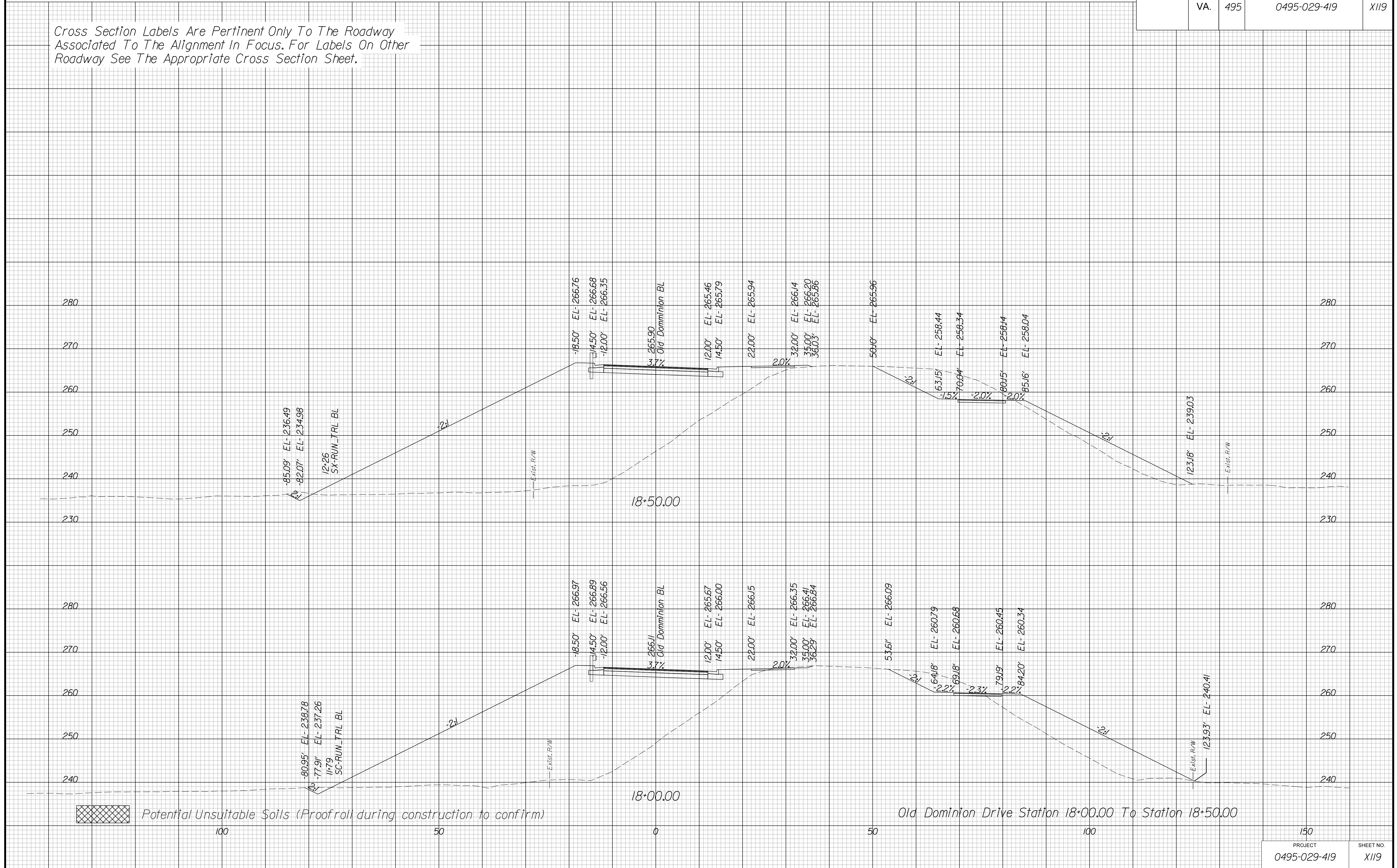
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X119

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

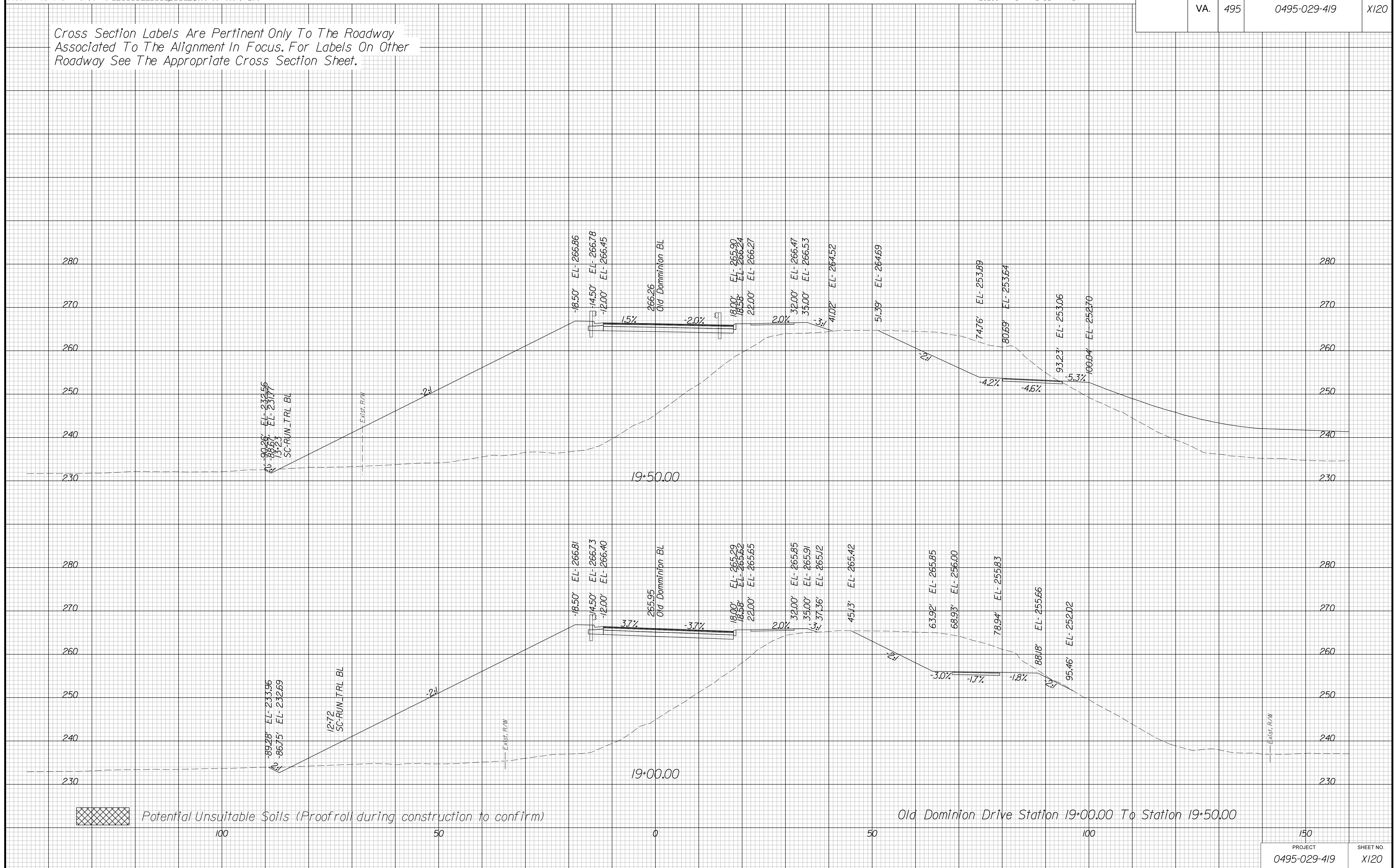
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X120

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

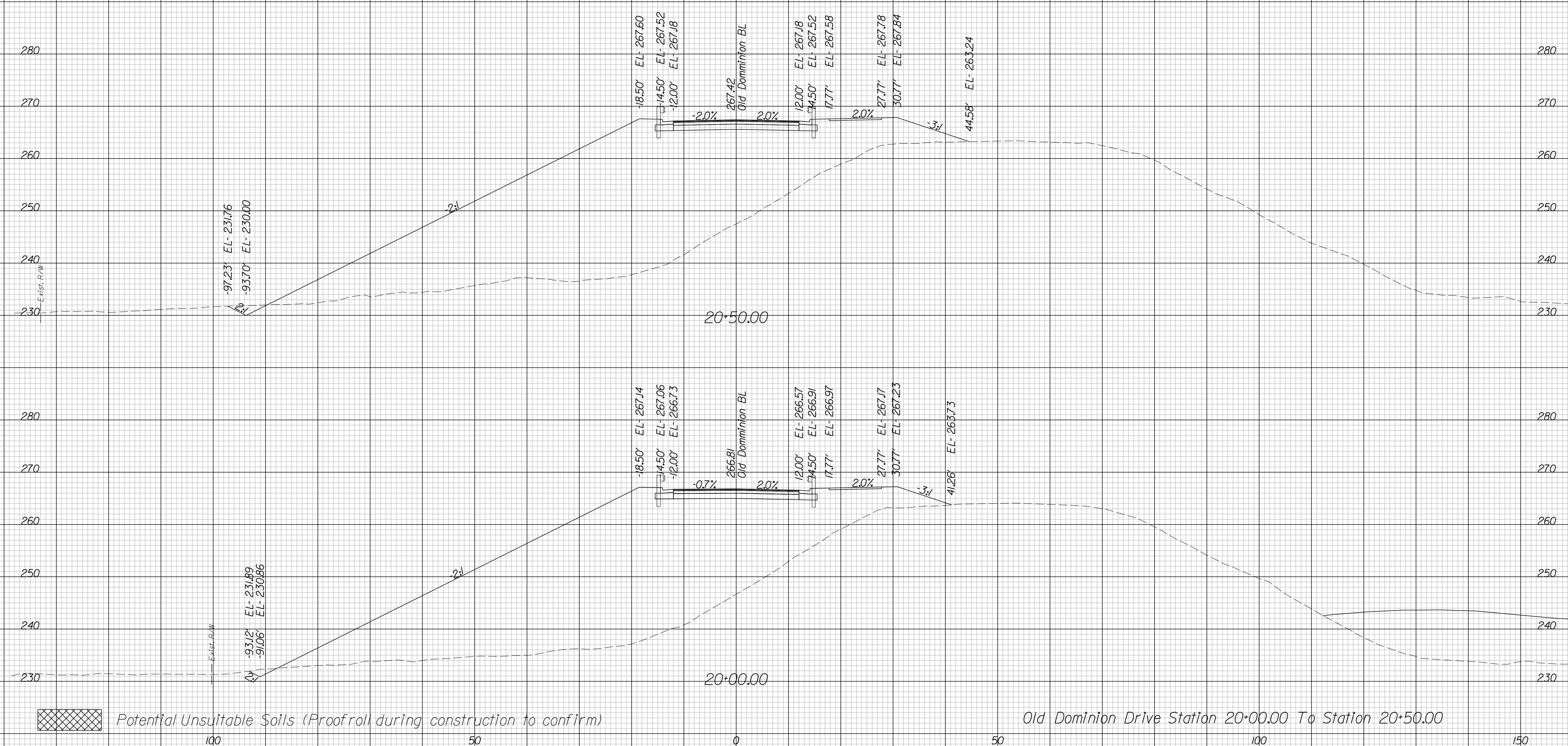
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X121

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

Old Dominion Drive Station 20+00.00 To Station 20+50.00

PROJECT	SHEET NO.
0495-029-419	X121

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

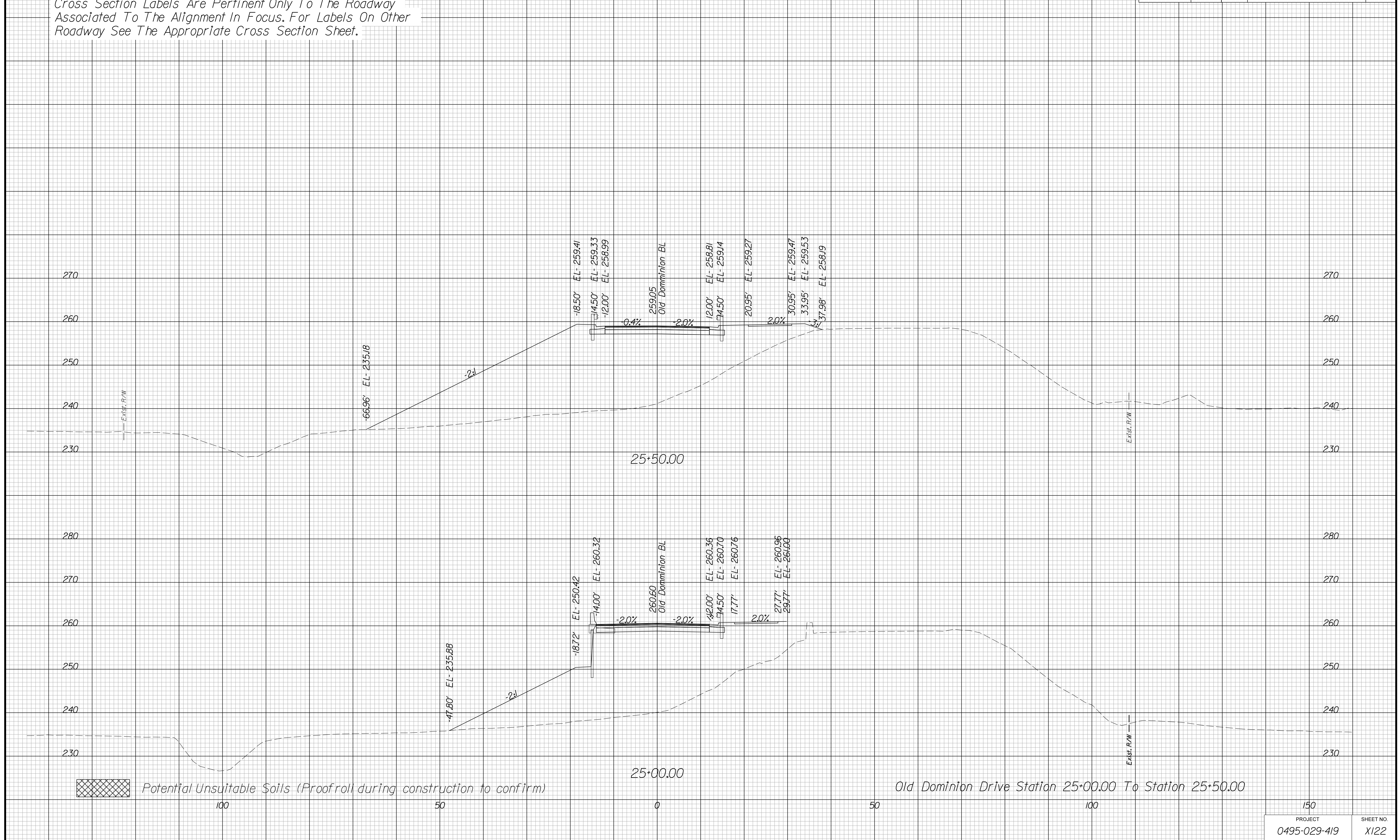
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X122

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kouyoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick Delang PE (501) 719-6471, Dewberry - Ben Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kouyoulis LS (703) 334-0837, 1/2019

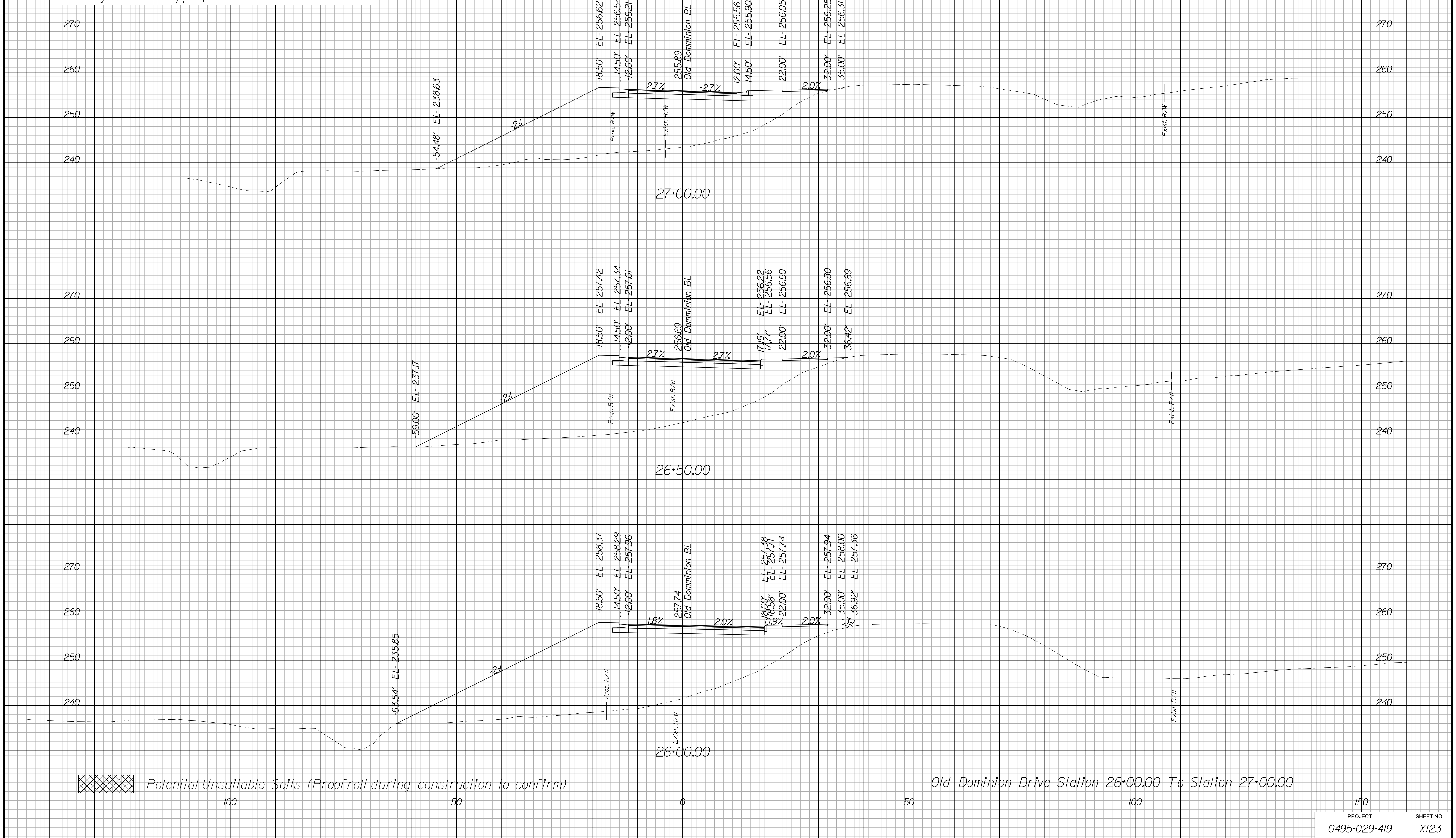
CROSS SECTIONS

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

REVISID	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X123

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



Potential Unsuitable Soils (Proofroll during construction to confirm)

Old Dominion Drive Station 26+00.00 To Station 27+00.00

150	
PROJECT	SHEET NO.
0495-029-419	X123

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (501) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

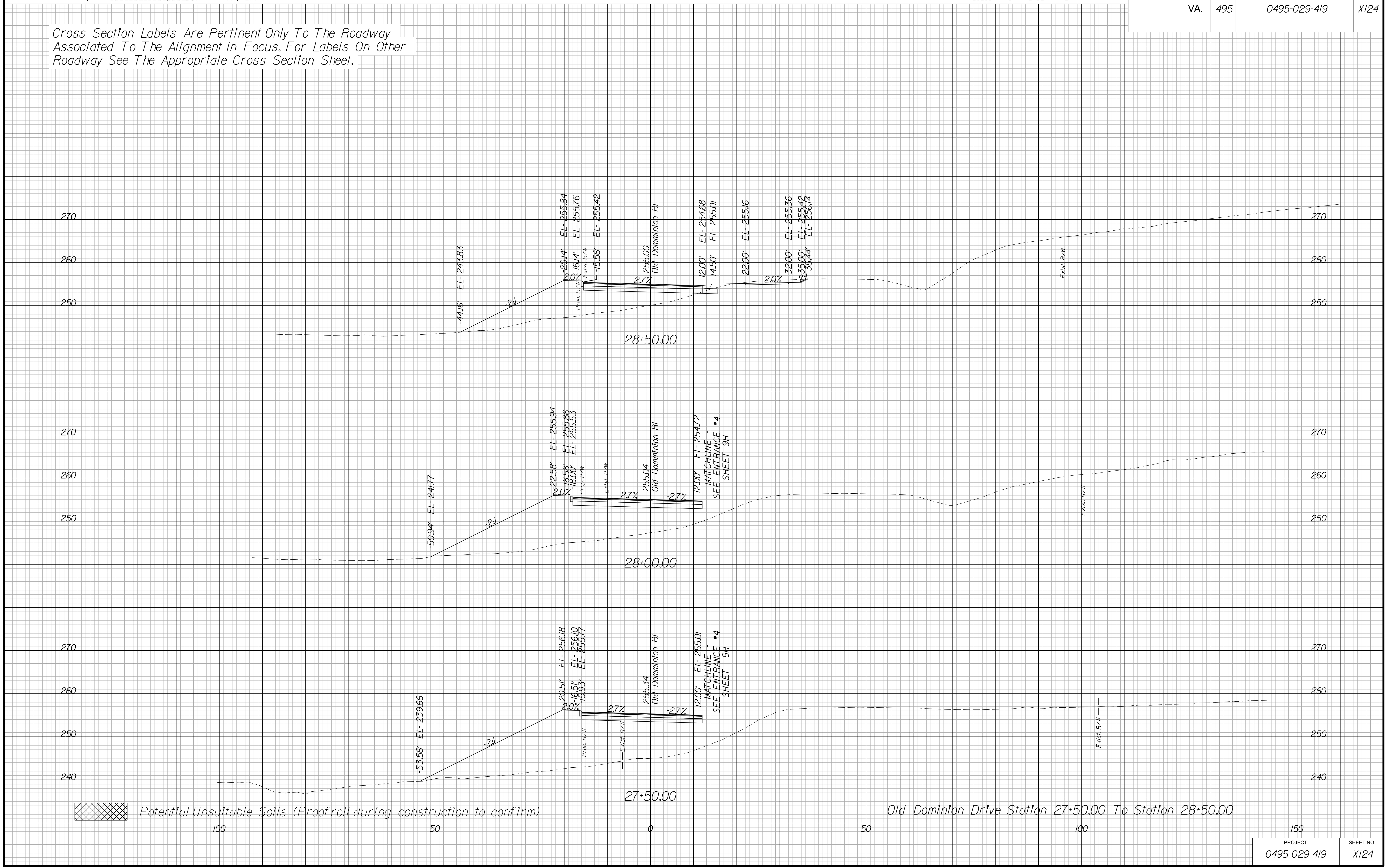
CROSS SECTIONS

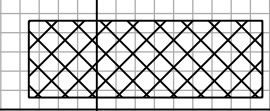
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X124

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

Old Dominion Drive Station 27+50.00 To Station 28+50.00

PROJECT	SHEET NO.
0495-029-419	X124

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

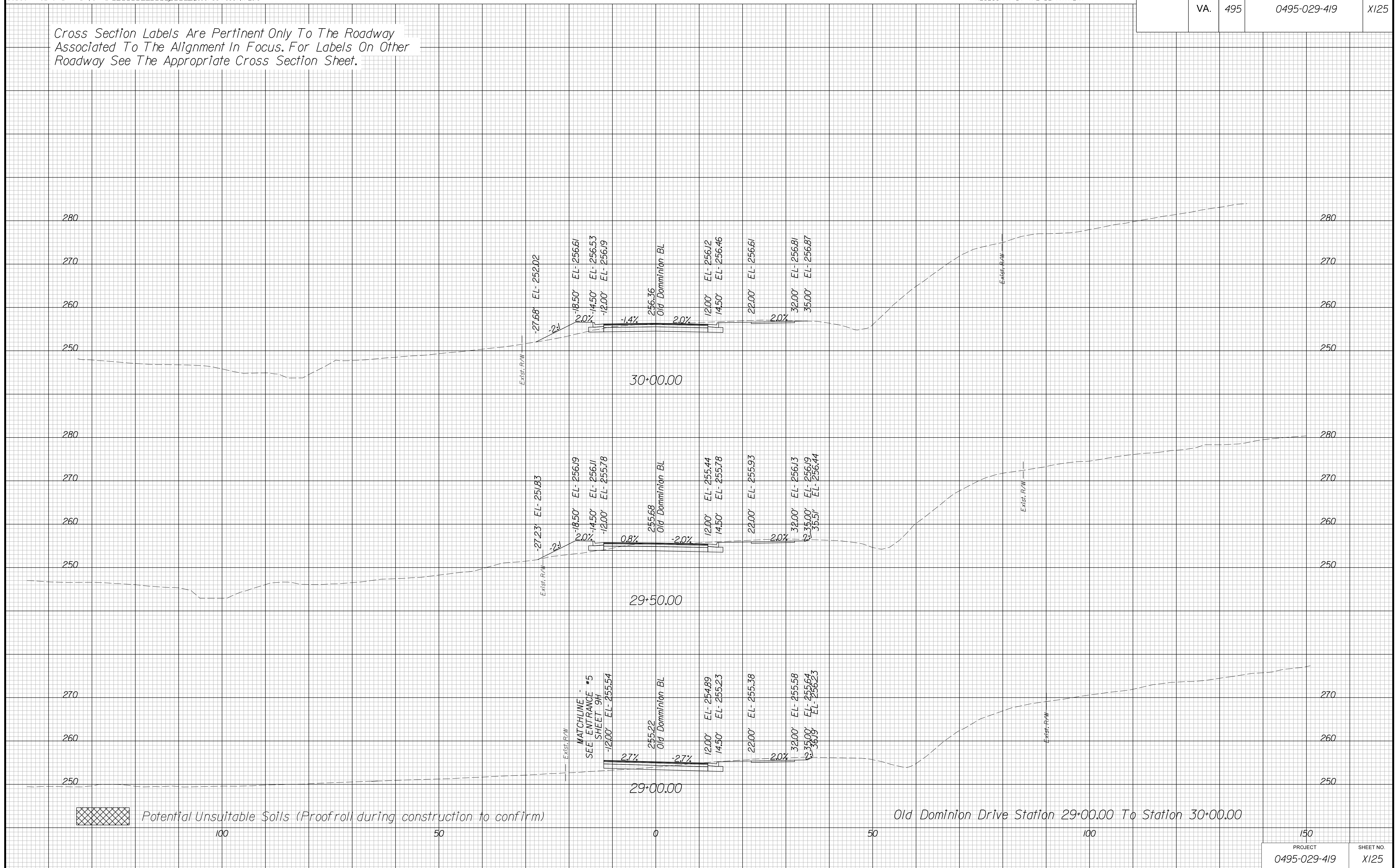
CROSS SECTIONS

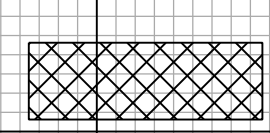
SCALE 1 IN. = 10 FT

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.
	VA.	ROUTE	PROJECT	
	VA.	495	0495-029-419	X125

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

PROJECT	SHEET NO.
0495-029-419	X125

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong PE(52) 719-6471, Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

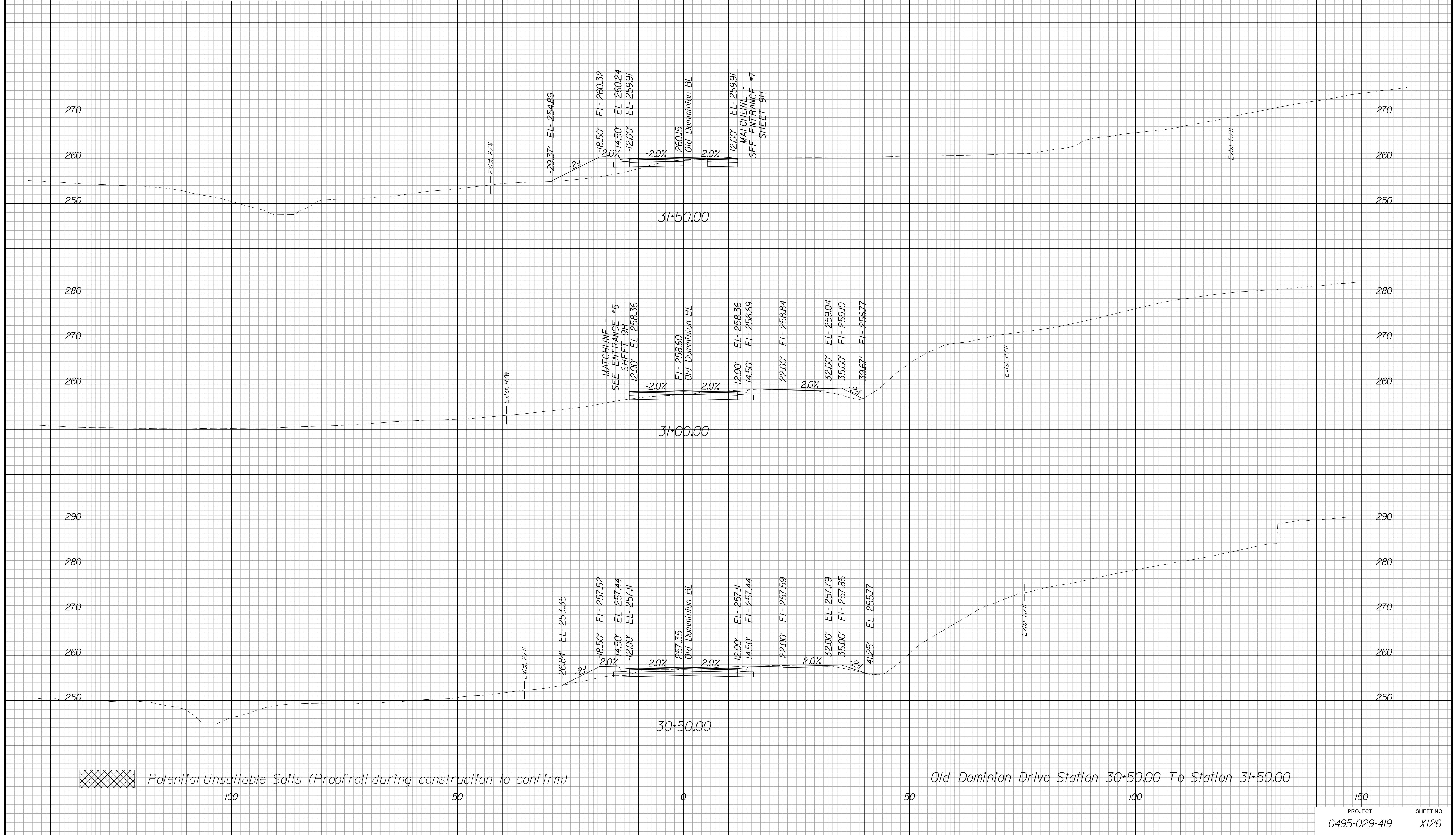
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X126

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer, PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis, LS (703) 334-0837, 1/2019
DESIGN BY BDA - Bick DeLong, PE (501) 719-6471, Dewberry - Ben Jakominich, PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis, LS (703) 334-0837, 1/2019

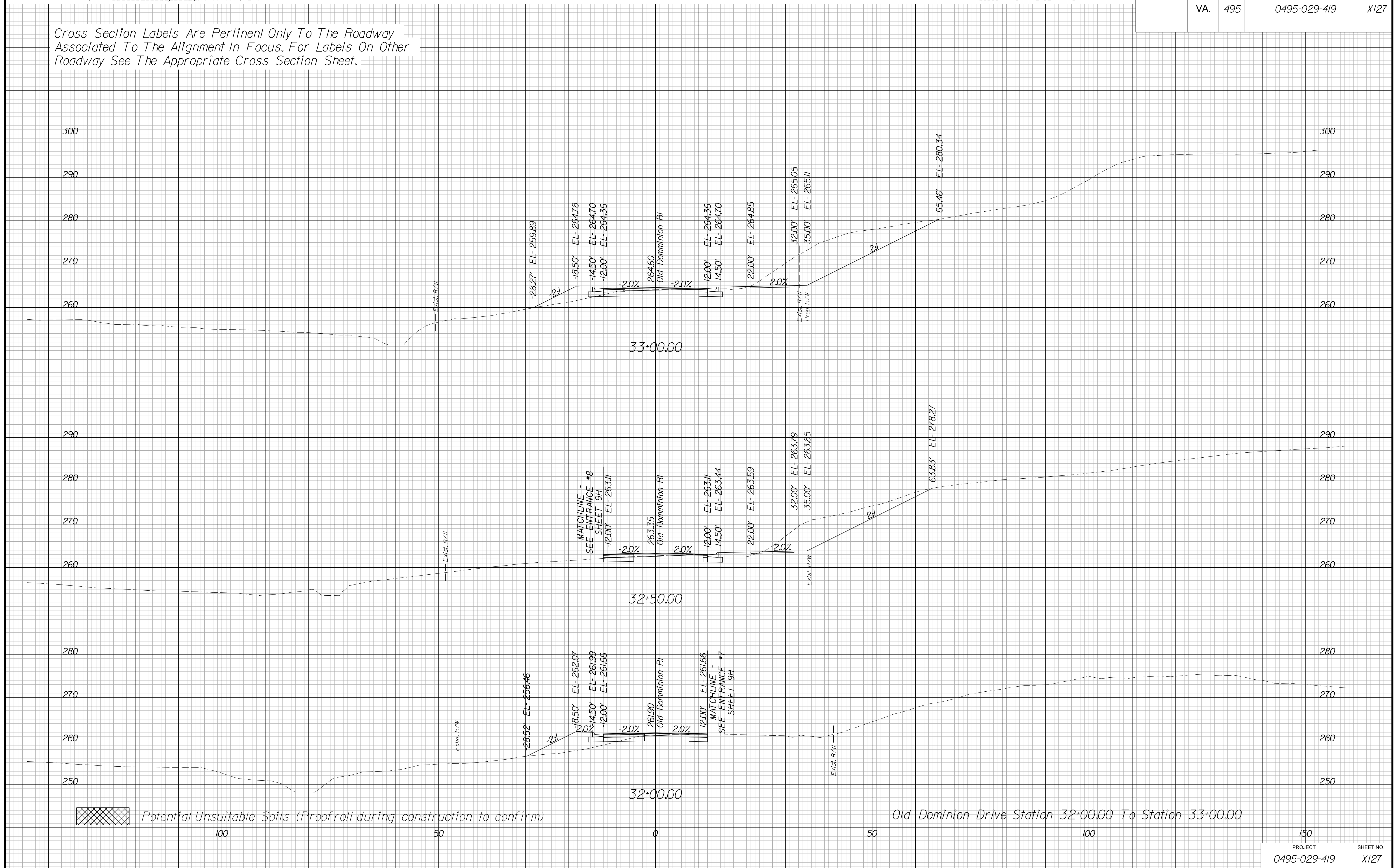
CROSS SECTIONS

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	PROJECT	PROJECT	
	VA.	495	0495-029-419		X127

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY DATE BDA - Nicholas Kouyoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY DATE BDA - Nicholas Kouyoulis LS (703) 334-0837, 1/2019

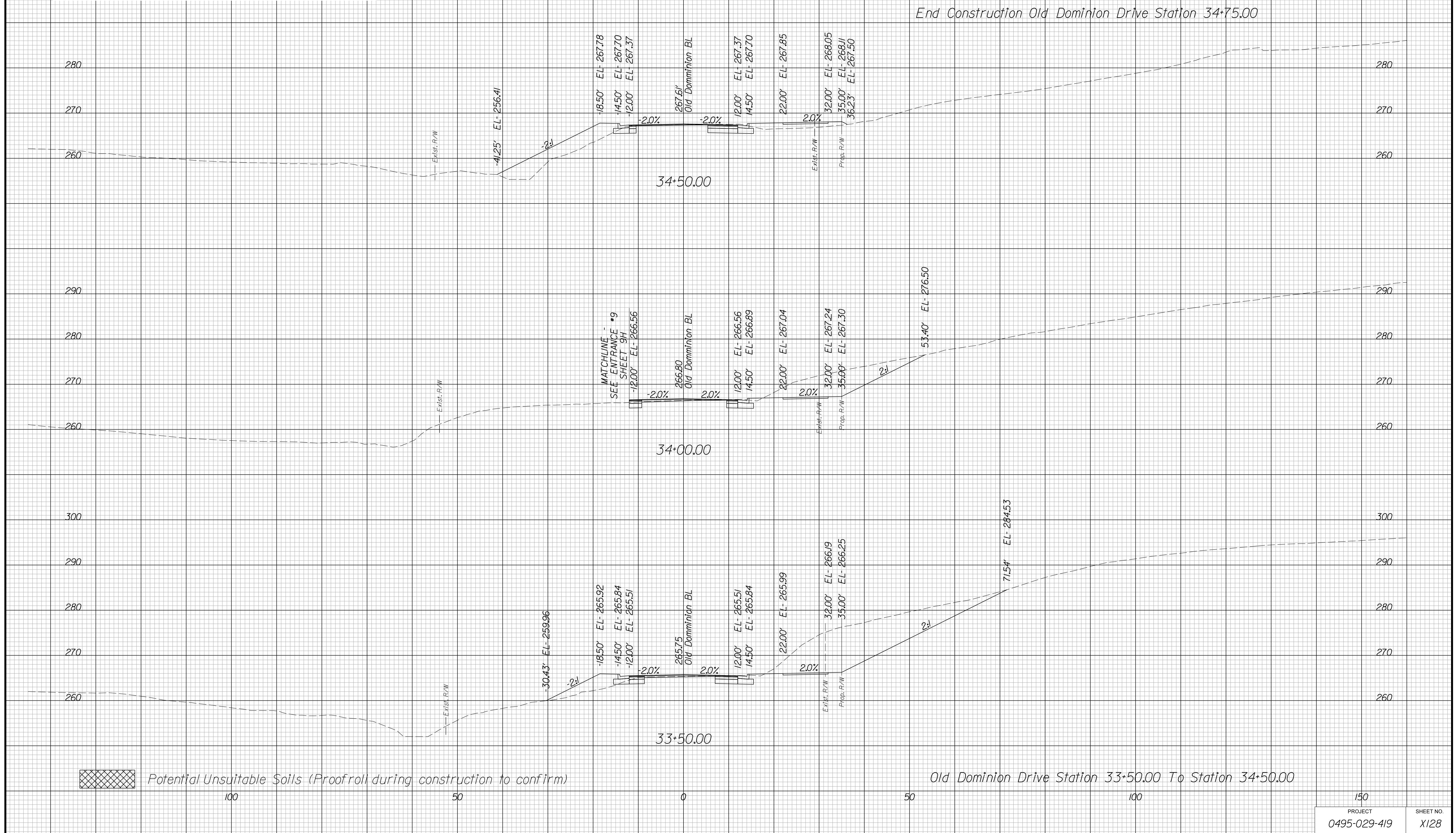
CROSS SECTIONS

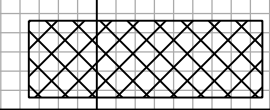
SCALE 1 IN. = 10 FT

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	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	495		0495-029-419	X128

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



 Potential Unsuitable Soils (Proofroll during construction to confirm)

150	
PROJECT	SHEET NO.
0495-029-419	X128

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471, Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

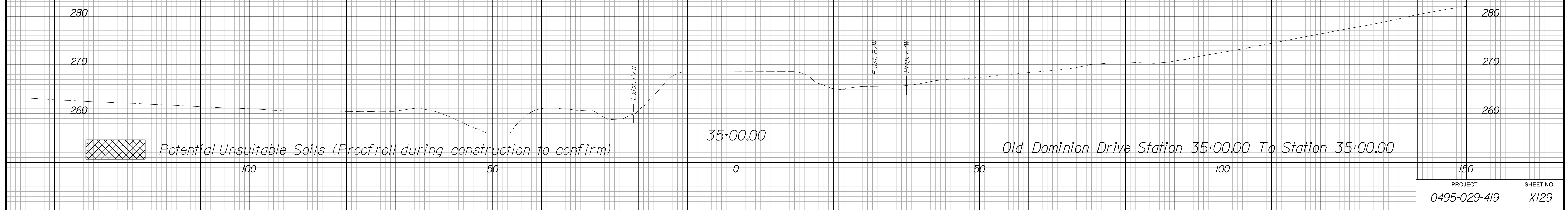
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X129

*Cross Section Labels Are Pertinent Only To The Roadway
Associated To The Alignment In Focus. For Labels On Other
Roadway See The Appropriate Cross Section Sheet.*



PROJECT	SHEET NO.
0495-029-419	X129

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE(52)719-6471 Dewberry - Ban Jakominich PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS(703) 334-0837, 1/2019

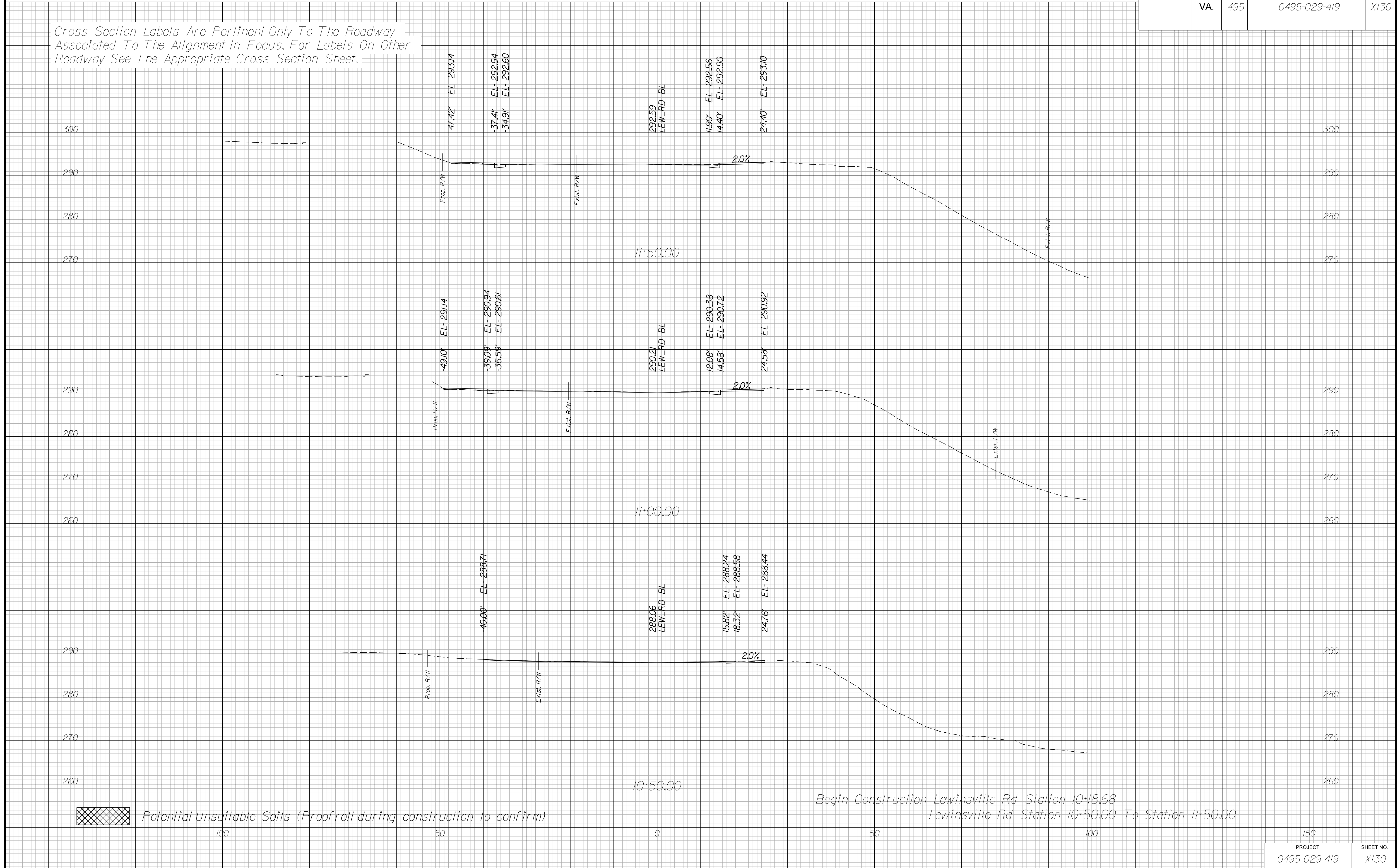
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X130

Cross Section Labels Are Pertinent Only To The Roadway Associated To The Alignment In Focus. For Labels On Other Roadway See The Appropriate Cross Section Sheet.



PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Blck Delang PE (52) 719-6471 Dewberry - Ban Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

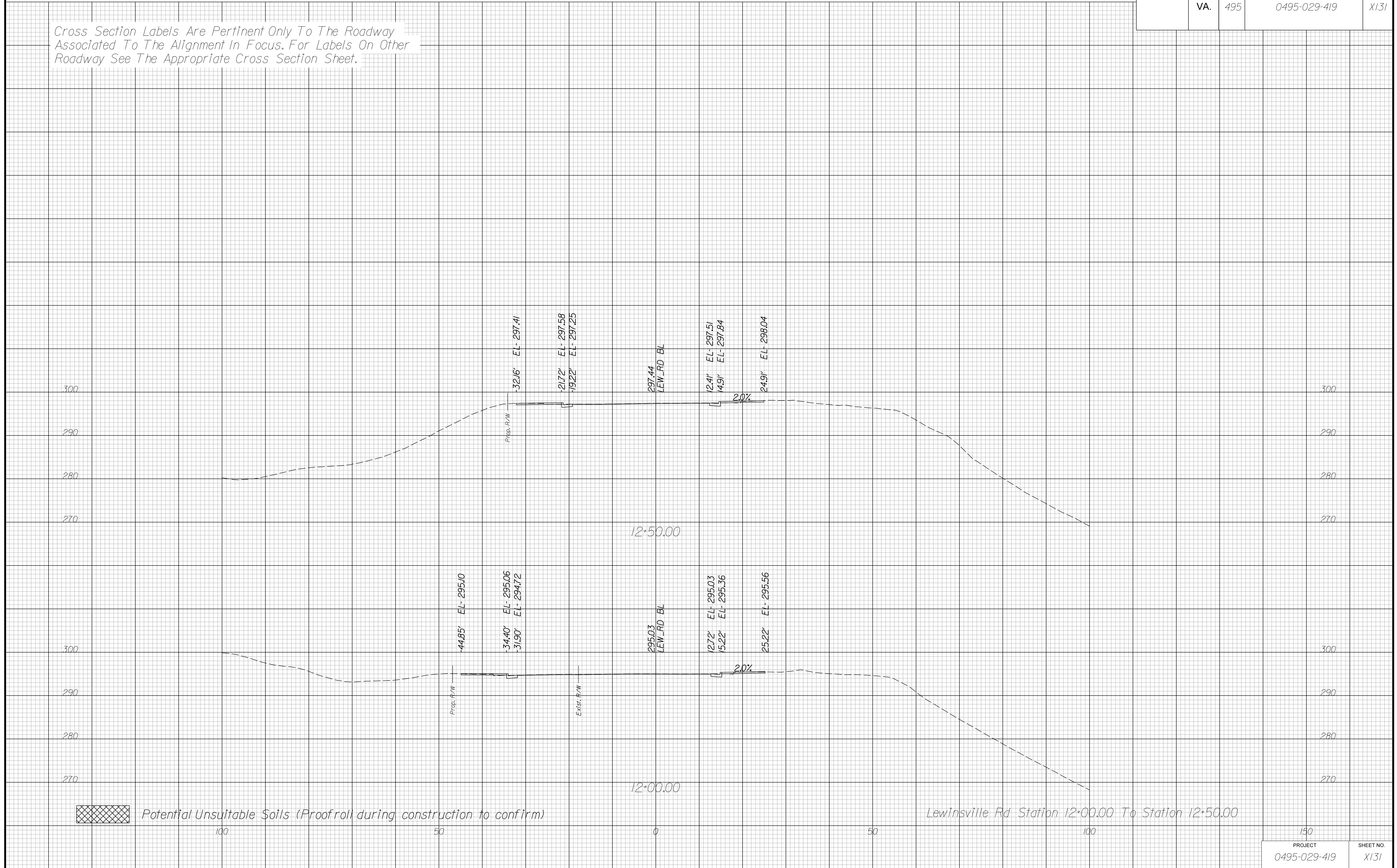
CROSS SECTIONS

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	ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X131

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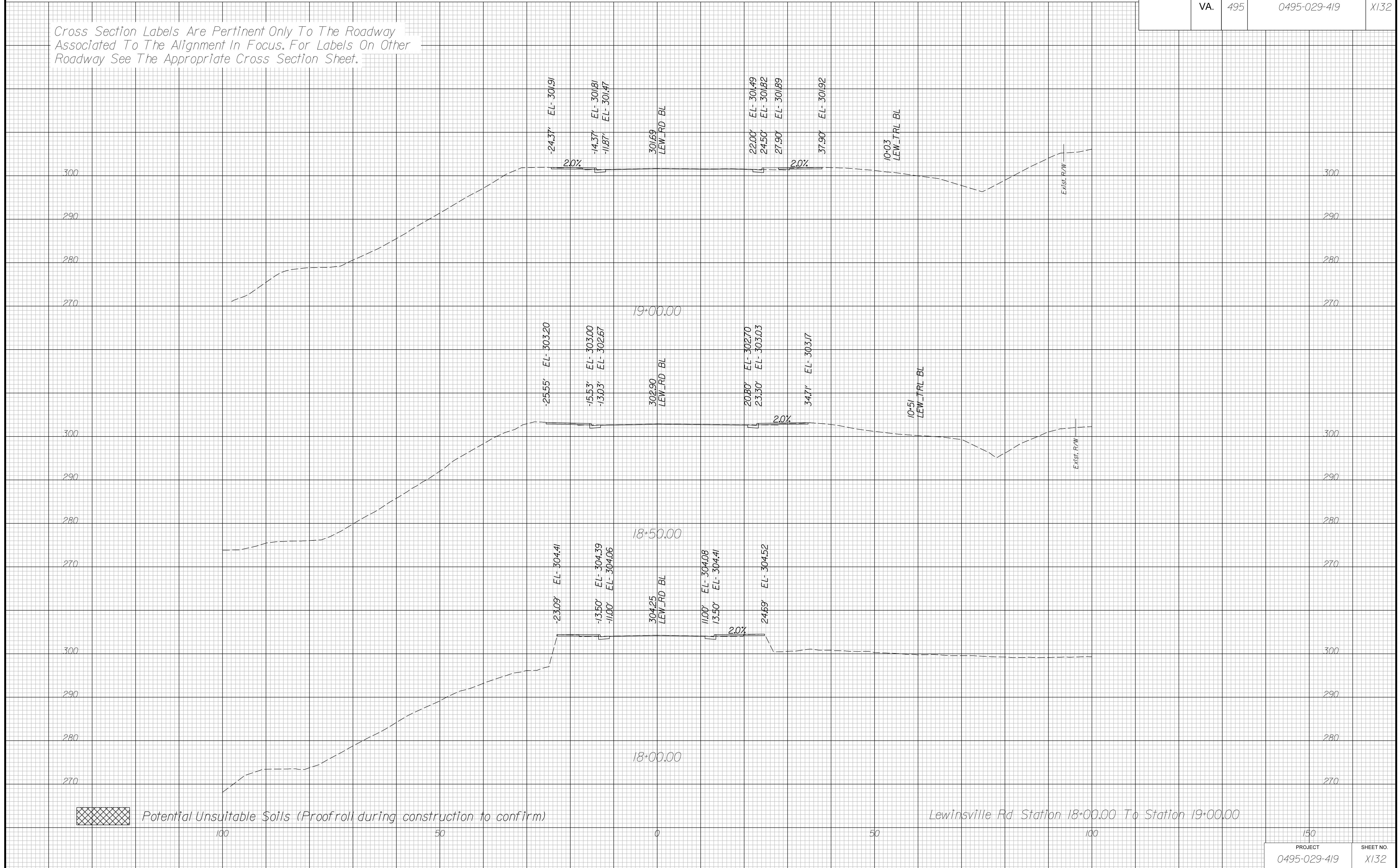
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	VA.	495	0495-029-419	X132

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 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Rd Station 18+00.00 To Station 19+00.00

PROJECT	SHEET NO.
0495-029-419	X132

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
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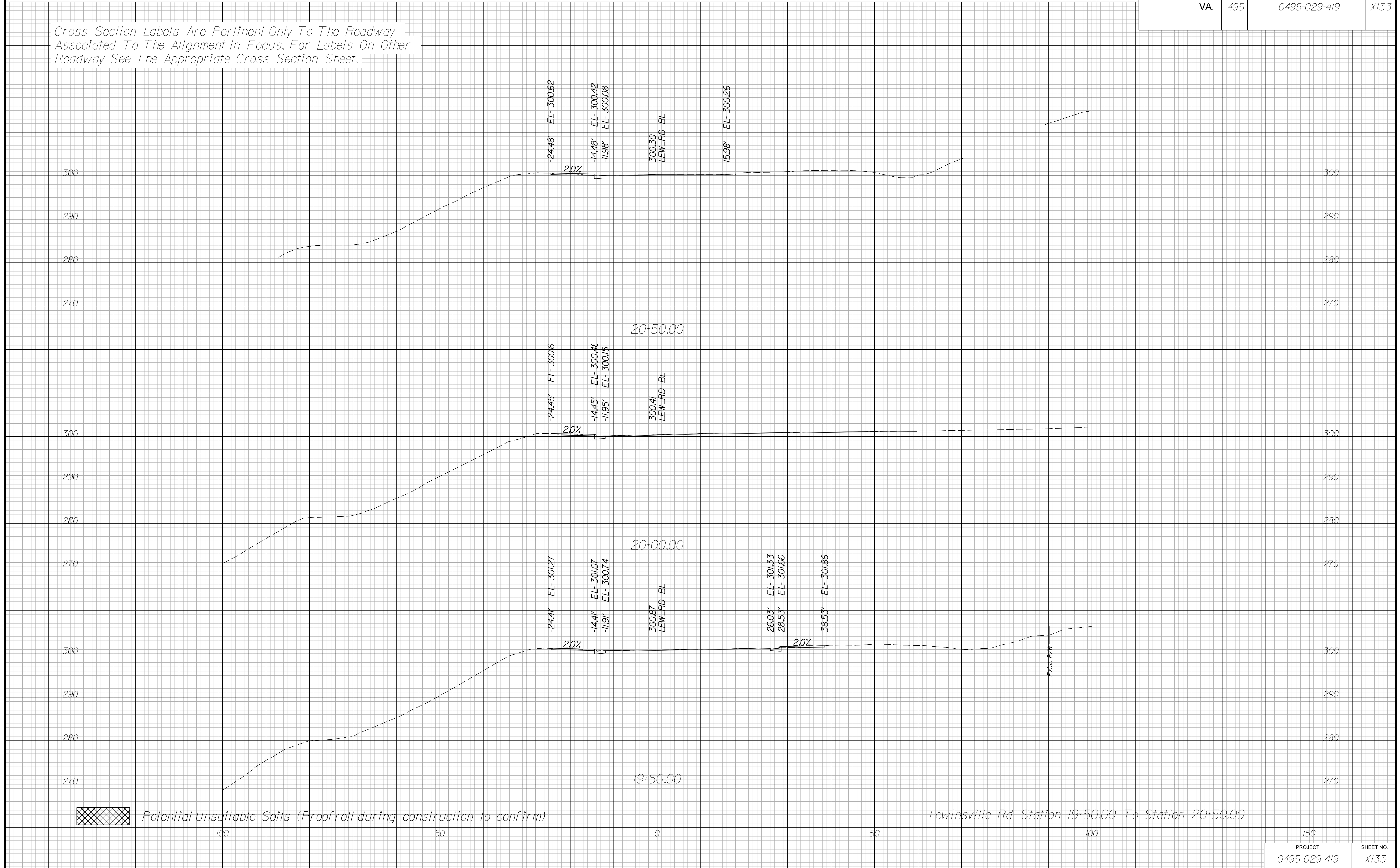
CROSS SECTIONS

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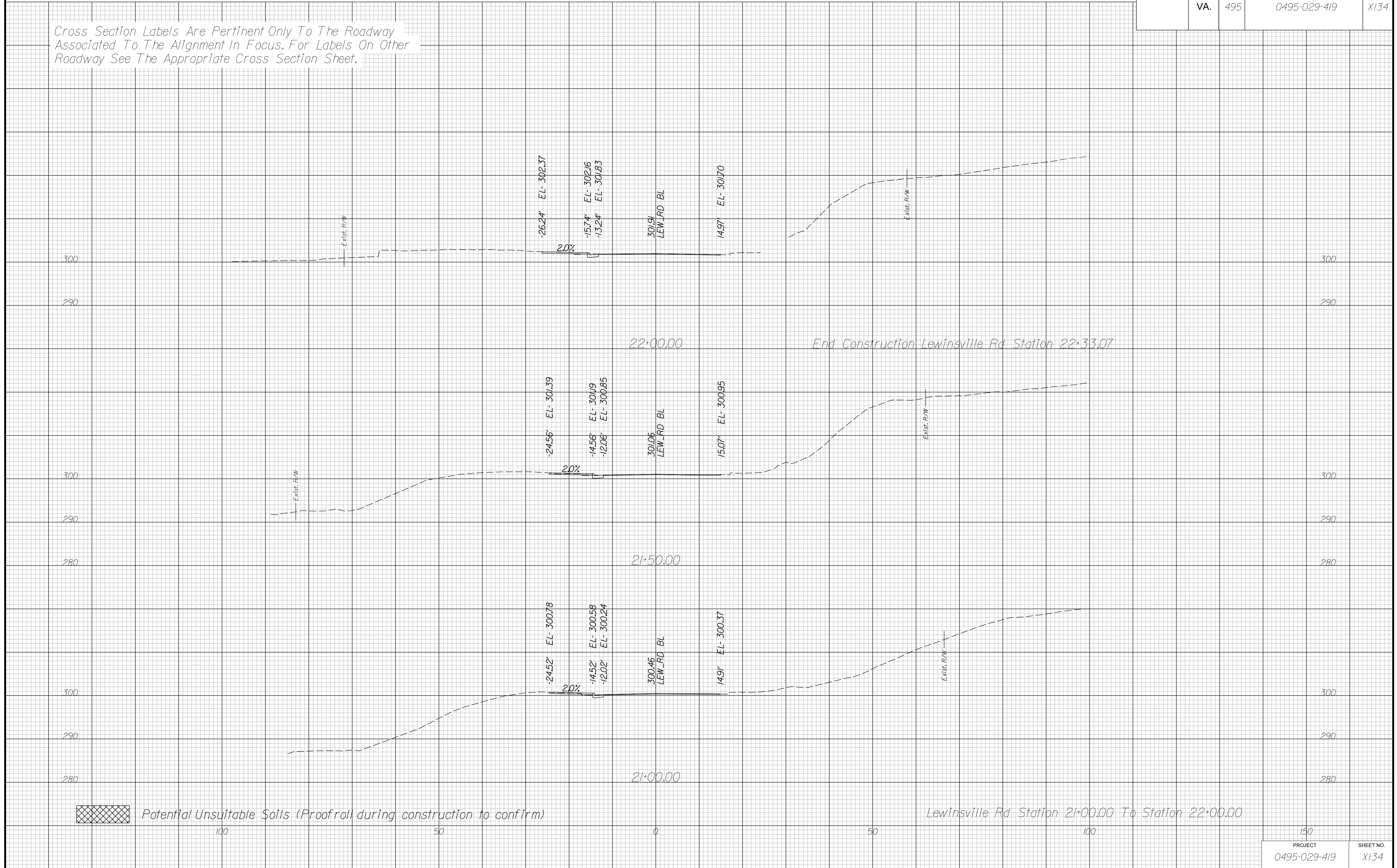
CROSS SECTIONS

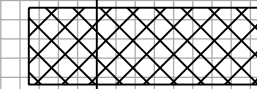
SCALE 1 IN. = 10 FT

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 Potential Unsuitable Soils (Proofroll during construction to confirm)

Lewinsville Rd Station 21+00.00 To Station 22+00.00

PROJECT	SHEET NO.
0495-029-419	X134