12/16/2022 1:45:45 PM | 35x23 (In.) default_RDAtbl | pw:\\rinkerdesign-pw.bentley.com:rinkerdesign-pw-01\Documents\Projects\Fredericksburg\90713\07 Project Standards\Print Drivers\default_RDAtbl | c:\bms\rinkerdesign-pw-01\david chakansky\dms01687\VDOTLD Local PDF.pltcfg | 50.0000 ft / In. | I495NEXT_AI_RDW_01.dgn | Plotted By: dchakansky

PROJECT MANAGER_VDOT_-_Rimpal Shah PE.(703) 259-2362
SURVEYED BY, DATE RDA_-_Nicholas Kougoulis LS.(703) 334-0837.12/2021
DESIGN BY _RDA_-_Darell Fischer PE.(703) 334-0823
Dewberry-_Ron Jakomiuich PE.(703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark_-_Michael Taylor LS.(703) 635-3060.12/2021

NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Comission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OPENROADS).
VDOT'S Computer Identification No. (115401)

CONVENTIONAL SIGNS

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

FHWA-534 DATA 41103

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	NHPP-495-5(095)	495	(F0) 0495-029-419 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1 AREA 1

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

DESIGN-BUILD PROJECT
I495 EXPRESS LANES (NEXT)
FINAL PLAN SUBMITTAL AREA 1

From: South of Existing Express Lanes, Northern Termini

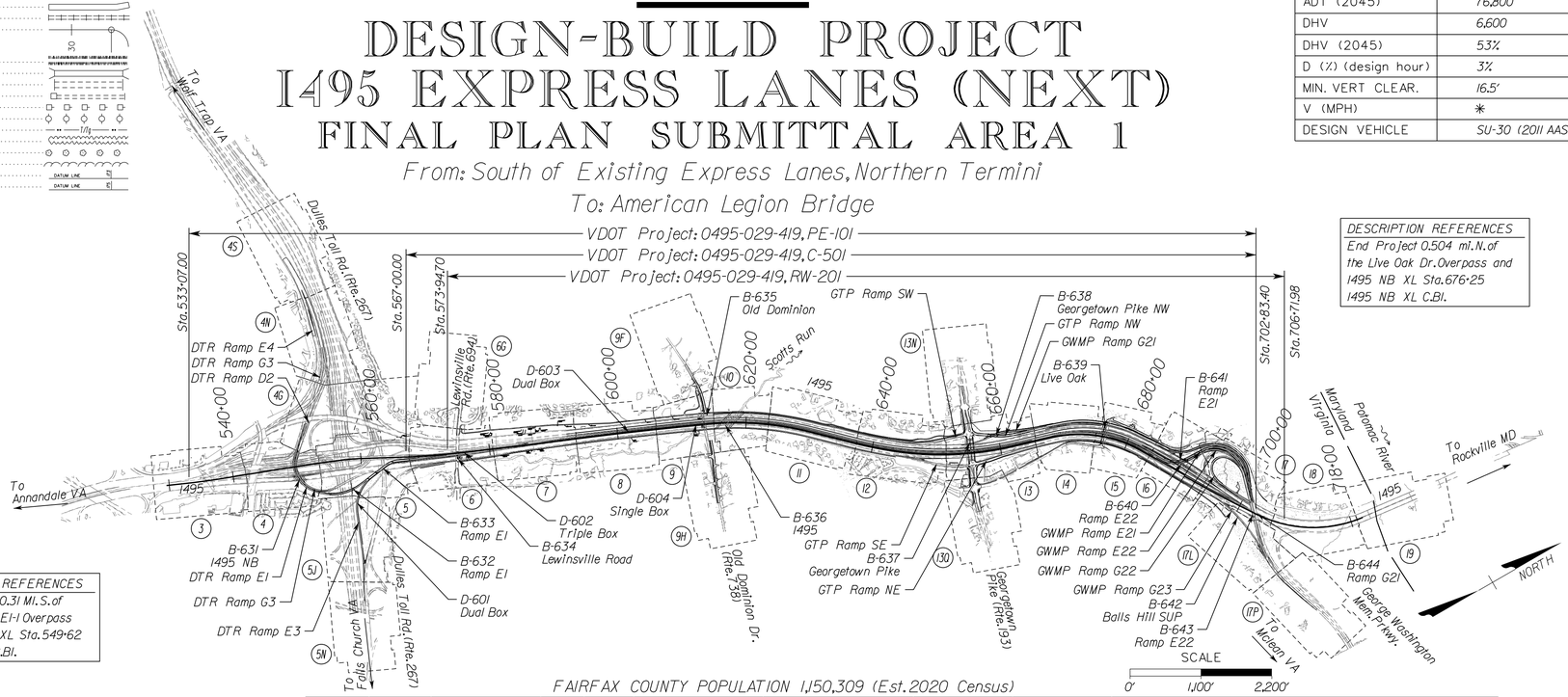
To: American Legion Bridge

** Per VDOT's 2020 Daily Traffic Volume Estimates

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA		
NHS - URBAN INTERSTATE - ROLLING - GS-INT DIVIDED - 60 TO 70 MPH MIN. DESIGN SPEED		
For additional info. see Functional Classification and Traffic Data Matrix (This Sheet)	*495 EXPRESS LANES* Fr: *DULLES TOLL RD.(RTE.267)* To: *GEORGE WASHINGTON MEMORIAL PKWY.*	
** AADT (2020)	*16,200*	*SEE SHEET NO.1A FOR FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA FOR MAINLINE AND CONNECTING ROADS*
ADT (2045)	*76,800*	
DHV	*6,600*	
DHV (2045)	*53%*	
D (%) (design hour)	*3%*	
MIN. VERT CLEAR.	*16.5'*	
V (MPH)	*	
DESIGN VEHICLE	*SU-30 (2011 AASHTO)*	

* *See Geometric and Profile Sheets for horizontal and vertical curve design speed data.*

NOTE: See Sheet 1A for Design Exceptions



DESCRIPTION REFERENCES
Begin Project 0.31 MI.S.of the DTR_RMP_EI-I Overpass and I495 NB XL Sta.549+62 I495 NB XL C.BI.

DESCRIPTION REFERENCES
End Project 0.504 mi.N.of the Live Oak Dr.Overpass and I495 NB XL Sta.676+25 I495 NB XL C.BI.

FINAL PLANS
DECEMBER 2022

FAIRFAX COUNTY POPULATION 1,150,309 (Est.2020 Census)

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS(REVISED MAY 2020), 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL REVISION 2.1, 2020 AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

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

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

PROPOSED SWM FACILITY SHALL BE MAINTAINED BY VIRGINIA DEPARTMENT OF TRANSPORTATION.

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	CONSTRUCTION BASELINE	DESCRIPTION
0495-029-419	PE-101	NHPP-495-5(095)	PENG	113414	16,976.40	3.215	16,808.84	3.183	Prelim.Eng.	495 NB XL	Fr: 0.31 MI.S of DTR_RMP_EI-I Overpass to 0.504 MI.N.of L.O.D.Overpass
	C-501	NHPP-495-5(095)	I000	115401	13,583.40	2.572	13,415.84	2.541	Construction	495 NB XL	Fr: 0.33 MI.N of DTR_RMP_EI-I Overpass to 0.504 MI.N.of L.O.D.Overpass
	RW-201	NHPP-495-5(095)	ROWA	115401	13,277.28	2.515	13,109.72	2.483	Right of Way	495 NB XL	Fr: 0.507 MI.N of DTR_RMP_EI-I Overpass to 0.578 MI.N.of L.O.D.Overpass
	B-631	NHPP-495-5(095)	X231	115401	102.67	0.019	-	-	Bridge	495 GP NB	I495NB GP Over Ramp E1 and Ramp G3
	B-632	NHPP-495-5(095)	X231	115401	357.53	0.068	-	-	Bridge	Ramp E1	DTR Ramp E1 Over DTR EB & DAR
	B-633	NHPP-495-5(095)	X231	115401	447.51	0.085	-	-	Bridge	Ramp E1	DTR Ramp E1 Over DTR WB & I495 NB GP
	B-634	NHPP-495-5(095)	X231	115401	463.69	0.088	-	-	Bridge	Lewinsville Road	Lewinsville Road Over I495
	B-635	NHPP-495-5(095)	X231	115401	440.86	0.083	-	-	Bridge	Old Dominion	Old Dominion Dr.Over I495
	B-636	NHPP-495-5(095)	X231	115401	167.56	0.032	-	-	Bridge	495 NB XL	I495 GP & EXP NB & SB Over Scotts Run
	B-637	NHPP-495-5(095)	X231	115401	292.08	0.055	-	-	Bridge	Georgetown	Georgetown Pike Over I495
	B-638	NHPP-495-5(095)	X231	115401	141.21	0.027	-	-	Bridge	Ramp NW	Georgetown Pike Ramp NW Over Ramp GWMP
	B-639	NHPP-495-5(095)	X231	115401	347.20	0.066	-	-	Bridge	Live Oak	Live Oak Dr.Over I495
	B-640	NHPP-495-5(095)	X231	115401	519.82	0.098	-	-	Bridge	Ramp E22	George Washington Mem.Prkwy.Ramp E22 Over I495
	B-641	NHPP-495-5(095)	X231	115401	635.84	0.120	-	-	Bridge	Ramp E21	George Washington Mem.Prkwy.Ramp E21 Over I495 SB
	B-642	NHPP-495-5(095)	X231	115401	22.23	0.004	-	-	Bridge	Balls Hill SUP	Ramp G23 Over Balls Hill Trail
	B-643	NHPP-495-5(095)	X231	115401	361.44	0.068	-	-	Bridge	Ramp E22	George Washington Mem.Prkwy.Ramp E22 Over I495
	B-644	NHPP-495-5(095)	X231	115401	361.09	0.068	-	-	Bridge	Ramp G21	George Washington Mem.Prkwy.Ramp G21 Over I495
	D-601	NHPP-495-5(095)	X018	115401	22.07	0.004	-	-	Dual Box Culv.	Ramp E3	From Sta.22+02.10 to Sta.22+24.17
	D-602	NHPP-495-5(095)	X018	115401	46.20	0.009	-	-	Triple Box Culv.	495 NB XL	From Sta.576+00.69 to Sta.576+46.89
	D-603	NHPP-495-5(095)	X018	115401	14.90	0.003	-	-	Dual Box Culv.	495 NB XL	From Sta.601+66.58 to Sta.601+81.48
	D-604	NHPP-495-5(095)	X018	115401	14.90	0.003	-	-	Single Box Culv.	495 NB XL	From Sta.612+20.49 to Sta.612+27.49

REVISED

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	(DESIGN-BUILD FIRM) DESIGN MANAGER
DATE	(DESIGN-BUILD FIRM) PROJECT MANAGER
DATE	VDOT PROJECT MANAGER
DATE	VDOT DISTRICT CONSTRUCTION ENGINEER OR PPTA PROGRAM MANAGER

APPROVED FOR CONSTRUCTION	
DATE	CHIEF ENGINEER

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FAIRFAX PROJECT	VDOT PROJECT	SHEET NO.
-	0495-029-419	1

ALL WORK TO BE DONE WITHIN EXISTING RIGHT-OF-WAY

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER_VDOT_:_Rimpal_Shah, PE_(703)_259-2362_____
SURVEYED BY, DATE _RDA_:_Nicholas_Kaugaulis_LS_(703)_334-0837_12/2021_____
DESIGN BY _RDA_:_Darell_Fischer_PE_(703)_334-0823_____
Dewberry:_Ron_Jakomolich_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 RAMPS 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 SCOTTS 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-Q	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

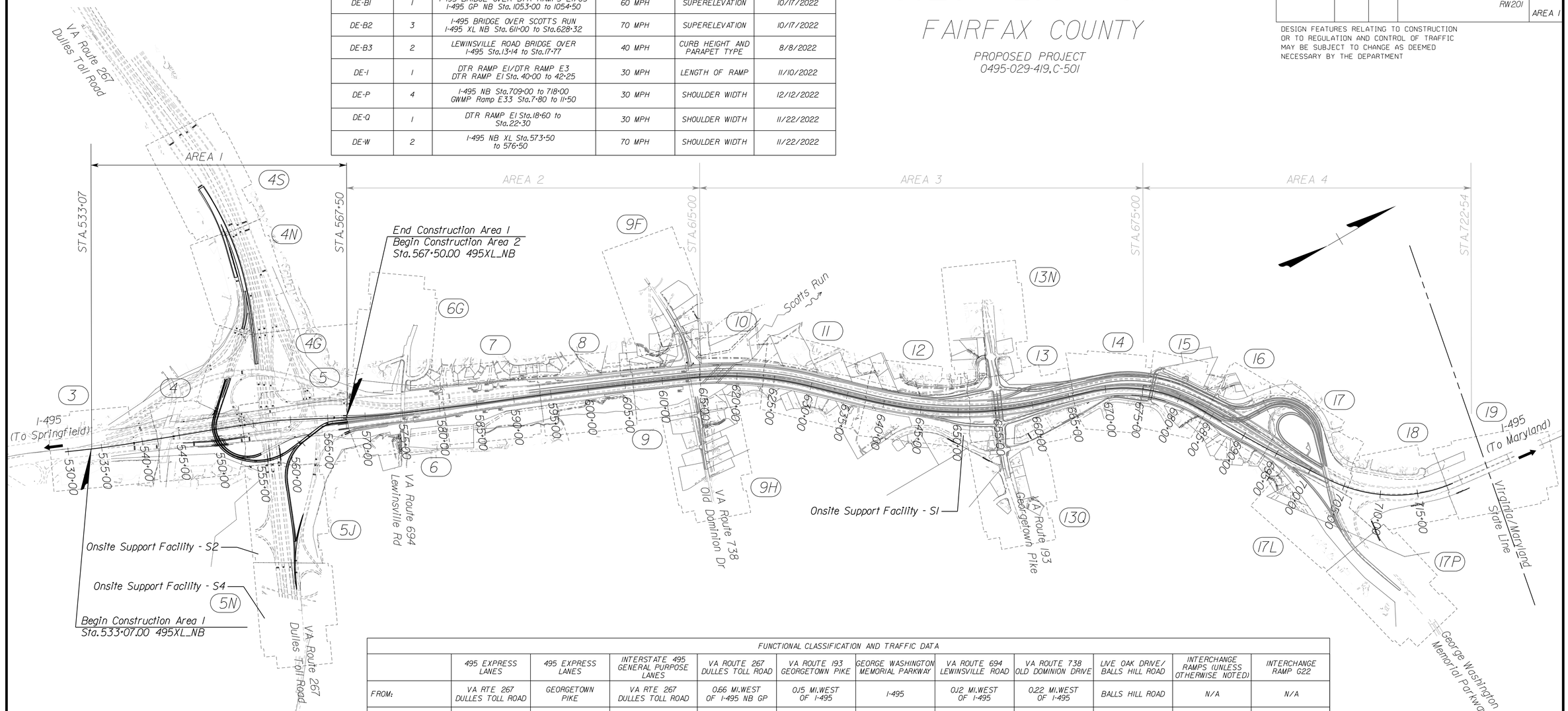
PROJECT LOCATION MAP

FAIRFAX COUNTY

PROPOSED PROJECT
0495-029-419,C-501

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

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 RAMPS (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 (%) (design hour)	53%	53%	56%	59%	57%	53%	52%	71%	70%		
T (%) (design hour)	3%	3%	3%	2%	1%	0%	1%	1%	1%		
V (MPH)	*	*	*	*	*	*	*	*	*	*	*
TC STD.	TC-5JIR	TC-5JIR	TC-5JIR	TC-5JIR	TC-5JIU	TC-5JIR	TC-5JIU	TC-5JIU	TC-5JIU/ULS	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

NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 650' 1300'	0495-029-419	1A AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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-_Roo_Jakomaiah_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Index of Sheets

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

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

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PROJECT INDEX OF SHEETS		
VDOT Project 0495-029-419,PE101,RW201,C501		
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**********		
Sheet No.	1	Title Sheet for 495 Next Widening Project
Sheet No.	1A	Project Location Map for Area 1
Sheet No.	1B	Project Index of Sheets for Area 1
Sheet No.	1C	Right of Way Data Sheet
Sheet No.	1C(1)	Demolition Summary Sheet
Sheet No.	1D	Revision Data Sheet
Sheet No.	1F	Survey Traverse Control
Sheet No.	1F(1) thru 1F(4)	Not Used
Sheet No.	1F(5)	Survey Drainage Descriptions
Sheet No.	1F(6)	Survey Drainage Descriptions
Sheet No.	1F(7)	Survey Drainage Descriptions
Sheet No.	1F(8)	Survey Drainage Descriptions
Sheet No.	1F(9)	Survey Drainage Descriptions
Sheet No.	1G	Construction Alignment Data
Sheet No.	1G(1)	Construction Alignment Data
Sheet No.	1H	Underground Utilities Test Hole Information
Sheet No.	1J	Temporary Traffic Control General Notes
Sheet No.	1J(1A)1	Temporary Traffic Control Phase 1A Narrative and Typical Sections
Sheet No.	1J(1A)2	Temporary Traffic Control Phase 1A Narrative and Typical Sections
Sheet No.	1J(1A)3	Temporary Traffic Control Phase 1A Narrative and Typical Sections
Sheet No.	1J(1B)1	Temporary Traffic Control Phase 1B Narrative and Typical Sections
Sheet No.	1J(2)1	Temporary Traffic Control Phase 2 Narrative and Typical Sections
Sheet No.	1J(2B)1	Temporary Traffic Control Phase 2B Narrative and Typical Sections
Sheet No.	1J(2C)1	Temporary Traffic Control Phase 2C Narrative and Typical Sections
Sheet No.	1L(2)	Temporary Traffic Control Plans Phase 1A
Sheet No.	1L(3)	Temporary Traffic Control Plans Phase 1A (Sta.1033+00 to 1045+50)
Sheet No.	1L(4)	Temporary Traffic Control Plans Phase 1A (Sta.36+00 to 44+50)
Sheet No.	1L(4G)	Temporary Traffic Control Plans Phase 1A (Sta.25+00 to 36+00)
Sheet No.	1L(4N)	Temporary Traffic Control Plans Phase 1A (Sta.18+50 to 32+50)
Sheet No.	1L(4S)	Temporary Traffic Control Plans Phase 1A (Sta.10+00 to 18+50)
Sheet No.	1L(5)	Temporary Traffic Control Plans Phase 1A (Sta.1057+00 to 1071+00)
Sheet No.	1L(5J)	Temporary Traffic Control Plans Phase 1A (Sta.406+50 to 420+00)
Sheet No.	1L(5N)	Temporary Traffic Control Plans Phase 1A (Sta.400+00 to 406+50)
Sheet No.	1L(5Q)	Temporary Traffic Control Plans Phase 1A
Sheet No.	1M(4)	Temporary Traffic Control Plans Phase 1B (Sta.36+00 to 44+50)
Sheet No.	1M(5)	Temporary Traffic Control Plans Phase 1B (Sta.1057+00 to 1071+00)
Sheet No.	1M(5J)	Temporary Traffic Control Plans Phase 1B (Sta.406+50 to 420+00)
Sheet No.	1M(5N)	Temporary Traffic Control Plans Phase 1B (Sta.400+00 to 406+50)
Sheet No.	1M(5Q)	Temporary Traffic Control Plans Phase 1B
Sheet No.	1N	Not Used
Sheet No.	1O	Not Used
Sheet No.	1P	Not Used
Sheet No.	1Q	Not Used
Sheet No.	1R(3)	Temporary Traffic Control Plans Phase 2A (Sta.1033+00 to 1045+50)
Sheet No.	1R(4)	Temporary Traffic Control Plans Phase 2A (Sta.36+00 to 44+50)
Sheet No.	1R(4G)	Temporary Traffic Control Plans Phase 2A (Sta.25+00 to 36+00)
Sheet No.	1R(4N)	Temporary Traffic Control Plans Phase 2A (Sta.18+50 to 32+50)
Sheet No.	1R(5)	Temporary Traffic Control Plans Phase 2A (Sta.1057+00 to 1071+00)
Sheet No.	1R(5J)	Temporary Traffic Control Plans Phase 2A (Sta.406+50 to 420+00)
Sheet No.	1R(5Q)	Temporary Traffic Control Plans Phase 2A
Sheet No.	1S(4)	Temporary Traffic Control Plans Phase 2B (Sta.36+00 to 44+50)
Sheet No.	1S(4G)	Temporary Traffic Control Plans Phase 2B (Sta.25+00 to 36+00)
Sheet No.	1S(4N)	Temporary Traffic Control Plans Phase 2B (Sta.18+50 to 32+50)
Sheet No.	1S(5)	Temporary Traffic Control Plans Phase 2B (Sta.1057+00 to 1071+00)
Sheet No.	1T(4)	Temporary Traffic Control Plans Phase 2C (Sta.36+00 to 44+50)
Sheet No.	1T(4G)	Temporary Traffic Control Plans Phase 2C (Sta.25+00 to 36+00)
Sheet No.	1T(4N)	Temporary Traffic Control Plans Phase 2C (Sta.18+50 to 32+50)
Sheet No.	1T(5)	Temporary Traffic Control Plans Phase 2C (Sta.1057+00 to 1071+00)
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Sheet No.	2B	Typical Sections (Connections)
Sheet No.	2B(1)	Typical Sections (Connections)
Sheet No.	2B(2)	Typical Sections (Connections)
Sheet No.	2B(3)	Typical Sections (Connections)
Sheet No.	2B(4)	Typical Sections (Connections)
Sheet No.	2B(5)	Typical Section Details
Sheet No.	2B(6)	Typical Section Details
Sheet No.	2B(7)	Typical Section Details
Sheet No.	2B(8)	Median Barrier Summary
Sheet No.	2B(9)	Modified Median Barrier Details
Sheet No.	2C	Geotechnical Recommendations
Sheet No.	2C(1)	Geotechnical Recommendations
Sheet No.	2C(2)	Geotechnical Recommendations
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Sheet No.	2E	Not Used
Sheet No.	2F	Modified Underdrain Details

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Sheet No.	2J(1)	Ditch Profiles
Sheet No.	2K	Drainage Descriptions
Sheet No.	2K(1)	Drainage Descriptions
Sheet No.	2K(2)	Drainage Descriptions
Sheet No.	2L	Storm Sewer Profiles
Sheet No.	2L(1)	Storm Sewer Profiles
Sheet No.	2L(2)	Storm Sewer Profiles
Sheet No.	2L(3)	Storm Sewer Profiles
Sheet No.	2M	SWM Detail Sheets
Sheet No.	2M(1)	SWM Detail Sheets
Sheet No.	2M(2)	SWM Detail Sheets
Sheet No.	2M(3)	SWM Detail Sheets
Sheet No.	2N	Roadside Development Area 1
Sheet No.	2O	Not Used
Sheet No.	2P(1)	Stream Relocation Sheet
Sheet No.	2P(2)	Stream Relocation Sheet
Sheet No.	2P(3)	Stream Relocation Sheet
Sheet No.	2P(4)	Stream Relocation Sheet
Sheet No.	2P(5)	Stream Relocation Sheet
Sheet No.	2Q	Not Used
Sheet No.	2R	Gore Detail Sheets
Sheet No.	2R(1)	Gore Detail Sheets
Sheet No.	2R(2)	Gore Detail Sheets
Sheet No.	2R(3)	Gore Detail Sheets
Sheet No.	2Z	Design Legend
Sheet No.	3	Roadway Plan Sheet,495GP NB (Sta.1033+00 to 1045+50)
Sheet No.	3DRN	Drainage Plan Sheet,495GP NB (Sta.1033+00 to 1045+50)
Sheet No.	3(1)	Alignment Data Sheet,495GP NB (Sta.1033+00 to 1045+50)
Sheet No.	3A	Profile Sheet,495 XL NB (Sta.539+00 to 542+00)
Sheet No.	3B	Profile Sheet,495 GP NB (Sta.1039+00 to 1045+50)
Sheet No.	4	Roadway Plan Sheet,DTR Ramp G3 (Sta.36+00 to 44+50)
Sheet No.	4DRN	Drainage Plan Sheet,DTR Ramp G3 (Sta.36+00 to 44+50)
Sheet No.	4(1)	Alignment Data Sheet,DTR Ramp G3 (Sta.36+00 to 44+50)
Sheet No.	4A	Profile Sheet,495 XL NB (Sta.542+00 to 553+50)
Sheet No.	4B	Profile Sheet,495 GP NB (Sta.1045+50 to 1057+00)
Sheet No.	4C	Profile Sheet,DTR Ramp D2 (Sta.21+00 to 23+50)
Sheet No.	4D	Profile Sheet,DTR Ramp G3 (Sta.36+00 to 44+50)
Sheet No.	4E	Profile Sheet,DTR Ramp E1(Sta.20+00 to 28+50)
Sheet No.	4F	Profile Sheet,DTR Ramp E4 (Sta.39+00 to 43+50)
Sheet No.	4G	Roadway Plan Sheet,DTR Ramp G3 (Sta.25+00 to 36+00)
Sheet No.	4GDRN	Drainage Plan Sheet,DTR Ramp G3 (Sta.25+00 to 36+00)
Sheet No.	4G(1)	Alignment Data Sheet,DTR Ramp G3 (Sta.25+00 to 36+00)
Sheet No.	4H	Profile Sheet,DTR EB (Sta.32+50 to 40+00)
Sheet No.	4J	Profile Sheet,DTR Ramp G3 (Sta.25+00 to 36+00)
Sheet No.	4K	Profile Sheet,DTR Ramp E4 (Sta.28+00 to 39+00)
Sheet No.	4L	Profile Sheet,DTR Ramp D2 (Sta.13+50 to 21+00)
Sheet No.	4M	Profile Sheet,DTR Ramp E1(Sta.15+79 to 20+00)
Sheet No.	4N	Roadway Plan Sheet,DTR EB (Sta.18+50 to 32+50)
Sheet No.	4NDRN	Drainage Plan Sheet,DTR EB (Sta.18+50 to 32+50)
Sheet No.	4N(1)	Alignment Data Sheet,DTR EB (Sta.18+50 to 32+50)
Sheet No.	4P	Profile Sheet,DTR EB (Sta.18+50 to 32+50)
Sheet No.	4Q	Profile Sheet,DTR Ramp G3 (Sta.19+41 to 25+00)
Sheet No.	4R	Profile Sheet,DTR Ramp E4 (Sta.14+50 to 28+00)
Sheet No.	4S	Roadway Plan Sheet,Rte.DTR EB (Sta.10+00 to 18+50)
Sheet No.	4SDRN	Drainage Plan Sheet,Rte.DTR EB (Sta.10+00 to 18+50)
Sheet No.	4S(1)	Alignment Data Sheet,DTR EB (Sta.10+00 to 18+50)
Sheet No.	4T	Profile Sheet,DTR EB (Sta.10+00 to 18+50)
Sheet No.	4U	Profile Sheet,DTR Ramp E4 (Sta.10+00 to 14+50)
Sheet No.	5	Roadway Plan Sheet, 495GP NB (Sta.1057+00 to 1071+00)
Sheet No.	5DRN	Drainage Plan Sheet, 495GP NB (Sta.1057+00 to 1071+00)
Sheet No.	5(1)	Alignment Data Sheet,495GP NB (Sta.1057+00 to 1071+00)
Sheet No.	5A	Profile Sheet,495 XL Lanes NB (Sta.553+50 to 567+50)
Sheet No.	5B	Profile Sheet,495 GP Lanes NB (Sta.1057+00 to 1071+00)
Sheet No.	5C	Profile Sheet,DTR Ramp G3 (Sta.44+50 to 54+00)
Sheet No.	5D	Profile Sheet,DTR Ramp E1(Sta.28+50 to 42+50)
Sheet No.	5E	Profile Sheet,DTR Ramp E1(Sta.42+50 to 44+00)
Sheet No.	5F	Profile Sheet,DTR Ramp E3 (Sta.23+00 to 26+84)
Sheet No.	5G	Profile Sheet,DTR Ramp G10 (Sta.12+00 to 18+50)
Sheet No.	5J	Roadway Plan Sheet,DTR WB (Sta.406+50 to 420+00)
Sheet No.	5JDRN	Drainage Plan Sheet,DTR WB (Sta.406+50 to 420+00)
Sheet No.	5J(1)	Alignment Data Sheet,DTR WB (Sta 406+50 to 420+00)
Sheet No.	5K	Profile Sheet,DTR WB (Sta.406+50 to 420+00)
Sheet No.	5L	Profile Sheet,DTR Ramp E3 (Sta.10+00 to 23+00)
Sheet No.	5N	Roadway Plan Sheet,DTR WB (Sta.400+00 to 406+50)
Sheet No.	5NDRN	Drainage Plan Sheet,DTR WB (Sta.400+00 to 406+50)
Sheet No.	5N(1)	Alignment Data Sheet,DTR WB (Sta 400+00 to 406+50)

INDEX OF SHEETS

	SHEET NO.	DESCRIPTION OF SHEETS
Sheet No.	5P	Profile Sheet,DTR WB (Sta 400+00 to 406+50)
**********		
CROSS SECTIONS		
Sheet No.	X1	Cross Section Sheet Index
Sheet No.	X2-X7	Dulles Toll Road WB (Sta.403+00 to 413+00)
Sheet No.	X8-X12	DTR Ramp D2 (Sta.16+00 to 23+49.57)
Sheet No.	X13-X35	DTR Ramp E1 (Sta.15+79.23 to 44+00)
Sheet No.	X36-X51	DTR Ramp E3 (Sta.10+00 to 26+00)
Sheet No.	X52-X54	DTR Ramp E4 (Sta.16+50 to 20+50)
Sheet No.	X55-X65	DTR Ramp G3 (Sta.31+00 to 47+00)
Sheet No.	X66	DTR Ramp G10 (Sta.17+50 to 18+50)
Sheet No.	X67-X68	495NB GP (Sta.1069+50 to 1071+00)
Sheet No.	X69	495NB XL (Sta.567+00 to 567+50)
Sheet No.	X70-X72	495NB GP (Sta.1052+50 to 1055+00)
**********		
INDEX PLAN SET NOTES:		
147 Total plan and profile sheets in this set		
72 Total cross section sheets		

NOVA DISTRICT

12/16/2022

VDOT PROJECT NO.	SHEET NO.
0495-029-419	1B AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomiolch, PE._(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS._(703) 635-3060_12/2021

Demolition Summary

AI-A4

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

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

PROJECT NUMBER 0495-029-419, C-501

SHEET NUMBER	PARCEL NUMBER	DEMOLITION NUMBER	LANDOWNER	STATION Rt. OR Lt.	DESCRIPTION	INCLUDED IN CONTRACT							NOT IN CONTRACT
						DEMOLITION OF LIGHTS	DEMOLITION OF BUILDINGS *	CLEARING OF PARCEL	DEMOLITION OF SIGN	DEMOLITION OF MAILBOX	UNDERGROUND STORAGE TANK REMOVAL		ITEMS TO BE REMOVED BY OTHERS
											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				1				
9F	064	D-904	WILLIAM R.CHARYK & CHOON L.CHARYK	14+16 RT	MAILBOX					1			
9F	064	D-905	WILLIAM R.CHARYK & CHOON L.CHARYK	14+45 RT	MAILBOX					1			
9F	066	D-906	SUSSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY	15+94 RT	MAILBOX					1			
9F	066	D-907	SUSSAN BOOTH CASSIDY & JAMES JOSEPH CASSIDY	16+54 RT	MAILBOX					1			
9H	011	D-908	PATRICK O.MCGAREY & BARBARA M.MCGAREY	29+53 RT	MAILBOX					1			
9H	010	D-909	SEDELTA D.VERBLE & GHAREMON SULEYMON	31+45 RT	MAILBOX					1			
9H	-	D-910	ROYAL EMBASSY OF SAUDIA ARABIA	32+28 RT	MAILBOX					1			
9H	-	D-911	CHANG UK YI & NEGAR S.TEHRANI	33+70 RT	MAILBOX					1			
15	081	D-013	LANGLEY CLUB,INC.	13+57 LT	SIGN				1				
15	081	D-014	LANGLEY CLUB,INC.	13+77 LT	SIGN				1				
15	089	D-015	APRIL GEORGELAS	16+58 LT	MAILBOX					1			
16	089	D-016	APRIL GEORGELAS	18+55 LT	SIGN				1				
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				1				

VDOT PROJECT NO. 0495-029-419 | SHEET NO. IC(1) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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

Revision Data Sheet

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

State Project: 0495-029-419, PE-101, 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

(RW001) 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:
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.

(RW002) 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.
Revised Parcel 035 Landowner Name from Labib J. Chammas, Trustee to Labib Joseph Chammas & Judith Ann Chammas, Trustees.
Revised Parcel 060 Landowner Name from Susan A. Holley & Robert R. Thomes to Olivia Zalya.
Revised Parcel 072 VDOT Utility Easement from 206 SF to 0 SF; Dominion Energy Utility Easement from 0 SF to 206 SF.
Revised Parcel 066 Dominion Energy Utility Easement from 3,005 SF to 3,314 SF.
Revised Parcel 067 Dominion Energy Utility Easement from 1,031 SF to 871 SF.
Revised Parcel 028 Dominion Energy & VDOT Utility Easement from 0 SF to 3,239 SF.
Revised Parcel 079 Permanent Drainage Easement from 2,145 SF to 8,857 SF, Permanent Drainage Wall Easement from 6,708 SF to 12,597 SF, and Temporary Construction Easement from 19,568 SF to 7,174 SF.

NOVA DISTRICT

12/20/2022

VDOT PROJECT NO.	SHEET NO.
0495-029-419	ID AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 Jakomiak, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Survey Traverse Control

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

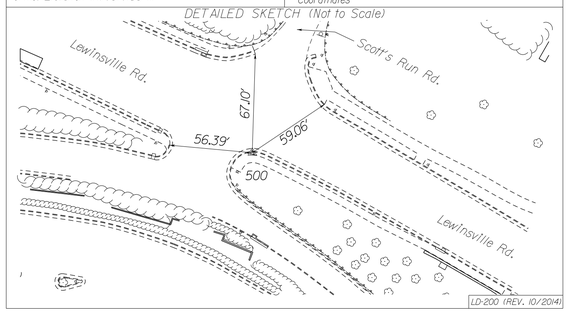
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 500 Date : 10-19-2021

VDOT Project Coordinates (Legacy)	VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 3648978.128 ft. North (Y) : 464554.292 ft. Elevation : 286.93 ft.	East (X) : 11850842.535 ft. North (Y) : 7026193.087 ft. Ortho. Elevation (H) : 286.93 ft. Zone : North X South _ (place an 'X' beside one)
Combined Scale Factor Fairfax County: 1.00006	Project Information Project Number : UPC 115401 Route : 495 City/County : Fairfax Established By : Rinker Design Associates
Latitude : 38° 56' 06.40166" N (5 Decimal Places) Longitude : 77° 12' 23.47129" W (5 Decimal Places) Geoid Separation (N) : -31.804 m Ellipsoid Height (h) : 55.652 m Horizontal Datum : NAD 83 Year : 2011 Vertical Datum : NAVD 88 Geoid : 12B Azimuth to Station : 501 Is 313° 15' 06" Control Based On: RTK Network Localization Pts. (RIce) or Project (Monument No.) : N/A	To convert Virginia State Plane Coordinates to VDOT Project (Legacy) Coordinates, use the following formula : 1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively. 2. Multiply These Values by the U.S. Survey Foot (3.2808333333) 3. Multiply These Values by Combined Scale and Elevation Factor (1.00006) for the County. Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
VA State Plane Coordinates : NAD 83- Metric Values East (X) : 361214.029 m North (Y) : 214158 7.936 m Ortho. Elevation (H) : 87.456 m	

DETAILED SKETCH (Not to Scale)



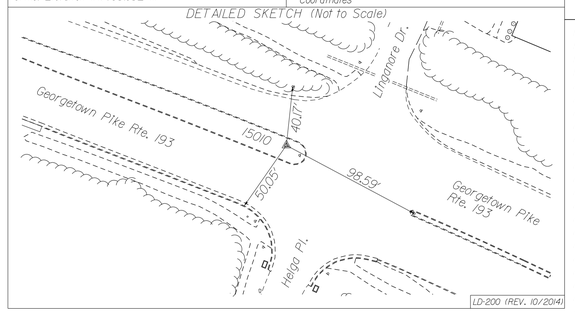
LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 15010 Date : 05-18-2022

VDOT Project Coordinates (Legacy)	VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 3651808.129 ft. North (Y) : 4712012.015 ft. Elevation : 311.85 ft.	East (X) : 11853672.369 ft. North (Y) : 7033650.362 ft. Ortho. Elevation (H) : 311.85 ft. Zone : North X South _ (place an 'X' beside one)
Combined Scale Factor Fairfax County: 1.00006	Project Information Project Number : UPC 115401 Route : 495 City/County : Fairfax Established By : Rinker Design Associates
Latitude : 38° 57' 19.70996" N (5 Decimal Places) Longitude : 77° 11' 46.32093" W (5 Decimal Places) Geoid Separation (N) : -31.795 m Ellipsoid Height (h) : 63.257 m Horizontal Datum : NAD 83 Year : 2011 Vertical Datum : NAVD 88 Geoid : 12B Azimuth to Station : 15011 Is 115° 49' 42" Control Based On: RTK Network Localization Pts. (RIce) or Project (Monument No.) : N/A	To convert Virginia State Plane Coordinates to VDOT Project (Legacy) Coordinates, use the following formula : 1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively. 2. Multiply These Values by the U.S. Survey Foot (3.2808333333) 3. Multiply These Values by Combined Scale and Elevation Factor (1.00006) for the County. Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
VA State Plane Coordinates : NAD 83- Metric Values East (X) : 361300 6.564 m North (Y) : 214386 0.918 m Ortho. Elevation (H) : 95.052 m	

DETAILED SKETCH (Not to Scale)



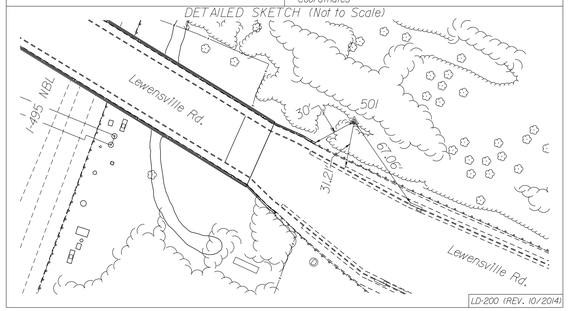
LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 501 Date : 10-19-2021

VDOT Project Coordinates (Legacy)	VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 3648792.932 ft. North (Y) : 464728.518 ft. Elevation : 296.04 ft.	East (X) : 11850657.352 ft. North (Y) : 7026367.302 ft. Ortho. Elevation (H) : 296.04 ft. Zone : North X South _ (place an 'X' beside one)
Combined Scale Factor Fairfax County: 1.00006	Project Information Project Number : UPC 115401 Route : 495 City/County : Fairfax Established By : Rinker Design Associates
Latitude : 38° 56' 08.14930" N (5 Decimal Places) Longitude : 77° 12' 25.78363" W (5 Decimal Places) Geoid Separation (N) : -31.803 m Ellipsoid Height (h) : 58.430 m Horizontal Datum : NAD 83 Year : 2011 Vertical Datum : NAVD 88 Geoid : 12B Azimuth to Station : 500 Is 133° 15' 06" Control Based On: RTK Network Localization Pts. (RIce) or Project (Monument No.) : N/A	To convert Virginia State Plane Coordinates to VDOT Project (Legacy) Coordinates, use the following formula : 1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively. 2. Multiply These Values by the U.S. Survey Foot (3.2808333333) 3. Multiply These Values by Combined Scale and Elevation Factor (1.00006) for the County. Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
VA State Plane Coordinates : NAD 83- Metric Values East (X) : 361208 7.585 m North (Y) : 214164 1.037 m Ortho. Elevation (H) : 90.233 m	

DETAILED SKETCH (Not to Scale)



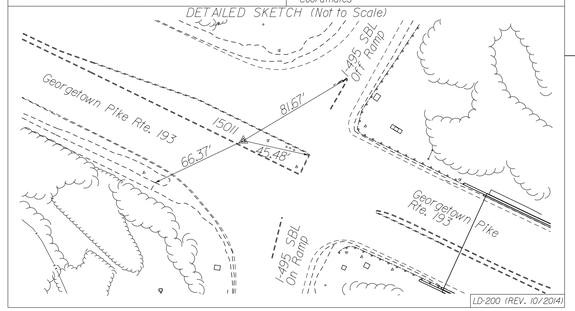
LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014)

Virginia Department of Transportation Horizontal Control
Control Station I.D. : 15011 Date : 05-18-2022

VDOT Project Coordinates (Legacy)	VA State Plane Coordinates : NAD 83- U.S. Survey Feet
East (X) : 3652200.014 ft. North (Y) : 4718 22.332 ft. Elevation : 320.96 ft.	East (X) : 11854064.228 ft. North (Y) : 7033460.690 ft. Ortho. Elevation (H) : 320.96 ft. Zone : North X South _ (place an 'X' beside one)
Combined Scale Factor Fairfax County: 1.00006	Project Information Project Number : UPC 115401 Route : 495 City/County : Fairfax Established By : Rinker Design Associates
Latitude : 38° 57' 17.78031" N (5 Decimal Places) Longitude : 77° 11' 41.39490" W (5 Decimal Places) Geoid Separation (N) : -31.797 m Ellipsoid Height (h) : 66.032 m Horizontal Datum : NAD 83 Year : 2011 Vertical Datum : NAVD 88 Geoid : 12B Azimuth to Station : 15010 Is 295° 49' 42" Control Based On: RTK Network Localization Pts. (RIce) or Project (Monument No.) : N/A	To convert Virginia State Plane Coordinates to VDOT Project (Legacy) Coordinates, use the following formula : 1. Reduce the Easting Metric Values By 2.5 Million Meters. The South and North Zone Northing Metric Values By 1 and 2 Million Respectively. 2. Multiply These Values by the U.S. Survey Foot (3.2808333333) 3. Multiply These Values by Combined Scale and Elevation Factor (1.00006) for the County. Reverse This Procedure to Transform VDOT Project Coordinates to NAD 83 Metric Plane Coordinates
VA State Plane Coordinates : NAD 83- Metric Values East (X) : 361312 6.003m North (Y) : 214380 3.106 m Ortho. Elevation (H) : 97.829 m	

DETAILED SKETCH (Not to Scale)



LD-200 (REV. 10/2014)

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

001	N	479957.852	E	3652429.033	Elev. 152.49'	CS--RIce GPS
002	N	478879.056	E	3662061.452	Elev. 150.79'	CS--RIce GPS
003	N	468296.208	E	3645129.052	Elev. 374.12'	CS--RIce GPS
004	N	465311.373	E	3654871.363	Elev. 260.60'	CS--RIce GPS
005	N	466118.372	E	3631602.425	Elev. 264.94'	CS--RIce GPS
006	N	454452.981	E	3648094.432	Elev. 433.93'	CS--RDA GPS

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

15010	N	4712012.015	E	3651808.129	Elev. 311.85	CS--CS--GPSM	519	N	464022.586	E	3650282.397	Elev. 319.88	CS--RCAP
15011	N	471822.332	E	3652200.014	Elev. 320.96	CS--CS--GPSM	520	N	463900.969	E	3650514.714	Elev. 332.28	CS--PK
15012	N	471566.546	E	3652792.241	Elev. 0.0000	CS--RBC	521	N	463756.429	E	3650721.337	Elev. 339.89	CS--PK
15013	N	471445.549	E	3653109.626	Elev. 295.30	CS--RBC	522	N	463612.089	E	3650904.614	Elev. 347.21	CS--PK
25704	N	471159.133	E	3652831.756	Elev. 302.70	CS--RBC	523	N	463393.345	E	3651084.190	Elev. 354.50	CS--PK
25703	N	470896.041	E	3652404.273	Elev. 320.72	CS--RBC	524	N	463266.102	E	3650933.892	Elev. 362.45	CS--RCAP
25702	N	470666.543	E	3652197.320	Elev. 323.64	CS--RBC	525	N	463064.392	E	3650889.090	Elev. 355.26	CS--RCAP
25701	N	470393.358	E	3652131.032	Elev. 330.38	CS--RBC	526	N	462945.232	E	3650703.390	Elev. 352.61	CS--RCAP
25700	N	470436.557	E	3651809.478	Elev. 304.65	CS--RBC	527	N	462869.794	E	3650358.223	Elev. 345.79	CS--RCAP
25699	N	470299.473	E	3651679.409	Elev. 308.79	CS--RBC	528	N	462817.724	E	3649943.902	Elev. 327.89	CS--RCAP
25698	N	470212.533	E	3651562.879	Elev. 304.53	CS--RBC	529	N	462790.170	E	3649686.259	Elev. 325.19	CS--RCAP
25697	N	470032.085	E	3651422.296	Elev. 279.68	CS--RBC	530	N	462792.391	E	3649315.527	Elev. 323.05	CS--NAIL
25696	N	469908.971	E	3651225.880	Elev. 283.96	CS--RBC	531	N	463236.355	E	3648854.373	Elev. 304.52	CS--MAG
25695	N	469682.959	E	3651004.719	Elev. 278.91	CS--RBC	532	N	463609.812	E	3648417.149	Elev. 289.64	CS--MAG
25693	N	469416.270	E	3650759.119	Elev. 267.00	CS--RBC	533	N	464145.950	E	3648376.718	Elev. 289.69	CS--RBC
25692	N	469221.034	E	3650623.256	Elev. 255.53	CS--RBC	507	N	464597.189	E	3648576.596	Elev. 277.88	CS--NAIL
25691	N	469069.723	E	3650511.356	Elev. 249.06	CS--RBC	25683	N	464969.005	E	3648267.156	Elev. 303.24	CS--MAG
25690	N	468843.469	E	3650384.243	Elev. 237.64	CS--RBC	25682	N	465255.940	E	3648398.792	Elev. 309.49	CS--RBC
25689	N	468605.675	E	3650367.265	Elev. 234.53	CS--RBC	25681	N	465667.715	E	3648586.825	Elev. 295.09	CS--RBC
25688	N	468368.782	E	3650316.647	Elev. 235.14	CS--RBC	25680	N	465861.012	E	3648676.590	Elev. 288.05	CS--RBC
25687	N	468327.250	E	3650136.046	Elev. 238.05	CS--NAIL	25679	N	466192.195	E	3648811.435	Elev. 292.48	CS--RBC
25686	N	468140.841	E	3650027.161	Elev. 236.78	CS--NAIL	25678	N	466351.284	E	3648876.322	Elev. 302.14	CS--RBC
25668	N	467948.241	E	3650018.734	Elev. 232.45	CS--NAIL	25677	N	466569.402	E	3648992.997	Elev. 298.56	CS--RBC
25667	N	467705.207	E	3649920.750	Elev. 233.72	CS--NAIL	25676	N	466721.474	E	3649082.909	Elev. 0.0000	CS--RBC
25666	N	467464.556	E	3649815.416	Elev. 236.92	CS--NAIL	25675	N	466913.672	E	3649167.723	Elev. 289.34	CS--RBC
25665	N	467249.476	E	3649731.204	Elev. 238.67	CS--NAIL	25674	N	467118.355	E	3649305.337	Elev. 272.22	CS--RBC
25664	N	466995.914	E	3649626.212	Elev. 238.68	CS--NAIL	25673	N	467437.465	E	3649433.163	Elev. 244.55	CS--RBC
25663	N	466740.687	E	3649518.455	Elev. 239.46	CS--NAIL	25672	N	467798.759	E	3649567.163	Elev. 241.05	CS--RBC
25662	N	466538.610	E	3649428.422	Elev. 240.72	CS--NAIL	503	N	468096.912	E	3649652.462	Elev. 241.30	CS--RBC
25661	N	466353.360	E	3649357.587	Elev. 242.65	CS--NAIL	502	N	468427.375	E	3649827.892	Elev. 262.87	CS--RBC
25660	N	466185.123	E	3649353.004	Elev. 243.68	CS--NAIL	25707	N	469106.535	E	3650152.422	Elev. 226.92	CS--RBC
25659	N	465978.139	E	3649261.840	Elev. 246.75	CS--NAIL	25708	N	469354.961	E	3650398.684	Elev. 244.04	CS--RBC
25658	N	465815.422	E	3649199.067	Elev. 0.0000	CS--NAIL	25709	N	469526.152	E	3650518.580	Elev. 270.81	CS--RBC
25657	N	465497.908	E	3649150.364	Elev. 249.64	CS--NAIL	25710	N	469713.859	E	3650669.625	Elev. 284.19	CS--RBC
25655	N	465159.458	E	3649003.343	Elev. 252.64	CS--NAIL	25711	N	469926.694	E	3650868.124	Elev. 277.27	CS--RBC
504	N	465060.928	E	3648905.439	Elev. 0.0000	CS--NAIL	25712	N	470142.681	E	3651092.912	Elev. 278.95	CS--RBC
25653	N	464892.548	E	3648831.988	Elev. 257.82	CS--NAIL	25713	N	470221.116	E	3651248.140	Elev. 293.03	CS--RBC
501	N	464728.518	E	3648792.932	Elev. 296.04	CS--RBC	40000	N	471680.719	E	3653042.750	Elev. 291.21	CS--RBC
500	N	464554.292	E	3648978.128	Elev. 286.90	CS--RBC	40001	N	472012.330	E	3653126.989	Elev. 283.40	CS--RBC
514	N	464498.451	E	3649206.835	Elev. 279.72	CS--PK	40002	N	472520.518	E	3653109.954	Elev. 300.28	CS--RBC
515	N	464411.619	E	3649366.038	Elev. 281.89	CS--PK	40003	N	473045.869	E	3653113.920	Elev. 287.22	CS--RBC
516	N	464328.311	E	3649565.239	Elev. 289.39	CS--PK	40004	N	473362.318	E	3653299.534	Elev. 282.31	CS--RBC
517	N	464266.349	E	3649826.109	Elev. 299.01	CS--PK	509	N	473463.309	E	3653418.507	Elev. 281.06	CS--NAIL
518	N	464162.183	E	3650072.334	Elev. 306.61	CS--PK	15028	N	473576.715	E	3653399.751	Elev. 281.14	CS--SCRIBE
25714	N	470374.432	E	3651353.219	Elev. 297.96	CS--RBC	510	N	473829.999	E	3653148.398	Elev. 286.41	CS--NAIL
25715	N	470476.824	E	3651457.590	Elev. 312.29	CS--RBC	511	N	473740.368	E	3653072.561	Elev. 277.83	CS--NAIL
25716	N	470566.583	E	3651542.127	Elev. 308.54	CS--RBC	10000	N	473658.174	E	3653008.394	Elev. 282.24	CS--RBC
25717	N	470735.356	E	3651719.908	Elev. 289.94	CS--RBC	10001	N	473390.444	E	3652881.420	Elev. 287.05	CS--RBC
25718	N	470857.510	E	3651809.159	Elev. 287.49	CS--RBC	10002	N	473155.898	E	3652765.950	Elev. 288.58	CS--RBC
25719	N	471088.021	E	3651881.514	Elev. 296.61	CS--RBC	10003	N	472810.876	E	3652617.529	Elev. 291.06	CS--RBC
25720	N	471458.890	E	3652059.029	Elev. 306.35	CS--RBC	10004	N	472615.053	E	3652529.262	Elev. 300.29	CS--RBC
25721	N	471708.688	E	3652113.198	Elev. 323.81	CS--RBC	10005	N	472285.586	E	3652374.655	Elev. 302.39	CS--RBC
							10006	N	472059.960	E	3652263.884	Elev. 311.04	CS--RBC

NOVA DISTRICT

12/16/2022

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	IF AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor LS_(703) 635-3060_12/2021

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	1F(5) AREA 1

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

Survey Drainage Descriptions

001 In Pl. SSMH
Rim = 133.40'
Inv. In = 127.23'
In Pl. 24" Conc. Pipe
Inv. Out = 127.08'

002 In Pl. Metal Grate
Rim = 148.91'
Inv. In = 143.99'
In Pl. 24" Conc. Pipe
Inv. Out = 130.24'

003 In Pl. Metal Grate
Rim = 149.15'
In Pl. 15" Conc. Pipe
Inv. Out = 144.12'
(Surcharged)

004 In Pl. Conc. Endwall
In Pl. 54" x 60" Metal Pipe
Inv. Out = 110.27'

005 In Pl. Conc. Headwall
Inv. In = 143.54
In Pl. 54" x 60" Metal Pipe

006 In Pl. Conc. Endwall
In Pl. 24" Conc. Pipe
Inv. Out = 138.67'

007 In Pl. Metal Grate
Rim = 152.55'
In Pl. 24" Conc. Pipe
Bottom Of Structure = 139.21'

008 In Pl. Metal Grate
Rim = 155.50'
Inv. In = 150.36'
In Pl. 24" Conc. Pipe
Inv. Out = 150.34'

009 In Pl. Metal Grate
Rim = 157.83'
Inv. In = 153.80'
In Pl. 24" Conc. Pipe
Inv. Out = 153 48'

010 In Pl. Metal Grate
Rim = 165.42'
Inv. In = 160.27'
In Pl. 24" Conc. Pipe
Inv. Out = 160.22'

011 In Pl. Metal Grate
Rim = 165.95'
Inv. In = 161.88'
In Pl. 24" Conc. Pipe
Inv. Out = 161.87'

012 In Pl. Metal Grate
Rim = 173.60'
Inv. In = 169.81'
In Pl. 24" Conc. Pipe
Inv. Out = 169.65'

013 In Pl. Metal Grate
Rim = 175.43'
Inv. In = 170.93'
In Pl. 18" Conc. Pipe
Inv. Out = 170.91'

014 In Pl. 24" Metal Pipe
Inv. Out = 175.43'

015 In Pl. 24" Metal Pipe
Inv. In = 181.82'

016 In Pl. Metal Grate
Rim = 181.23'
Inv. In = 177.62'
In Pl. 18" Conc. Pipe
Inv. Out = 177.56'

017 In Pl. Metal Grate
Rim = 187.08'
Inv. In = 183.70'
In Pl. 15" Conc. Pipe
Inv. Out = 182.62'

018 In Pl. Metal Grate
Rim = 192.19'
Inv. In = 188.10'
In Pl. 15" Conc. Pipe
Inv. Out = 188.05'

019 In Pl. Metal Grate
Rim = 193.33'
In Pl. 15" Conc. Pipe
Inv. Out = 189.51'

020 In Pl. Metal Grate
Rim = 188.25'
Inv. In = 185.11'
In Pl. 18" Conc. Pipe
Inv. Out = 184.95'

021 In Pl. Metal Grate
Rim = 191.52'
(a) Inv. In = 187.84'
(b) Inv. In = 187.47'
In Pl. 15" Conc. Pipe
Inv. Out = 187.45'

022 In Pl. Metal Grate
Rim = 193.42'
In Pl. 15" Conc. Pipe
Inv. Out = 189.87'

023 In Pl. Metal Grate
Rim = 196.12'
In Pl. 15" Conc. Pipe
Inv. Out = 191.18'

024 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. Out = 201.98'

025 In Pl. Metal Grate
Rim = 207.51
Bottom Of Structure = 202.07'
In Pl. 18" Conc. Pipe

026 In Pl. Metal Grate
Rim = 208.12'
Bottom Of Structure = 202.09'
(Surcharged)

027 In Pl. Metal Grate
Rim = 208.85'
Bottom Of Structure = 202.75'
In Pl. 15" Metal Pipe

028 In Pl. Metal Grate
Rim = 210.55'
Bottom Of Structure = 207.05'
In Pl. Conc. Pipe

029 In Pl. FES
In Pl. 15" Metal Pipe
Inv. Out = 201.97'

030 In Pl. Slot Drain
Rim = 209.02
Inv. Out = 205.97'
In Pl. 15" Metal Pipe

031 In Pl. Metal Grate
Rim = 210.18'
Bottom Of Structure = 206.37'
In Pl. 15" Conc. Pipe

032 In Pl. Metal Grate
Rim = 210.28
Bottom Of Structure = 206.68'
In Pl. 15" Conc. Pipe

033 In Pl. Metal Grate
Rim = 213.97'
In Pl. 15" Conc. Pipe
Inv. Out = 210.85'

034 In Pl. Metal Grate
Rim = 213.11'
(a) Inv. In = 208.99'
(b) Inv. In = 208.99'
In Pl. 18" Plastic Pipe
Inv. Out = 208.81'

035 In Pl. 18" Plastic Pipe
Inv. Out = 195.09'

036 In Pl. Conc. Headwall
Inv. In = 186.18'
In Pl. 57" x 60" Metal Pipe

037 In Pl. Metal Grate
Rim = 213.41'
Bottom Of Structure = 209.96'
In Pl. 15" Conc. Pipe

038 In Pl. Metal Grate
Rim = 213.55'
In Pl. 15" Conc. Pipe
Inv. Out = 210.37'

039 In Pl. Conc. Endwall
In Pl. 57" x 60" Metal Pipe
Inv. Out = 172.79'

040 In Pl. Conc. Headwall
In Pl. 60" Metal Pipe
Inv. Out = 163.52'

041 In Pl. Conc. Endwall
In Pl. 60" Metal Pipe
Inv. Out = 151.44'

042 In Pl. Conc. Endwall
In Pl. 72" Metal Pipe
Inv. Out = 150.90'

043 In Pl. Conc. DI
Rim = 213.24'
Bottom Of Structure = 210.65'
In Pl. 60" Conc. Pipe

044 In Pl. 12" Conc. Pipe
Inv.Out = 214.50'

045 In Pl. 12" Conc. Pipe
Inv.In = 214.54'

046 In Pl. Conc. Endwall
In Pl. 15" Conc. Pipe
Inv. Out = 213.51'

047 In Pl. Metal Grate/Slot Drain
Rim = 218.51'
In Pl. 15" Conc. Pipe
Inv. Out = 215.80'

048 In Pl. Metal Grate
Rim = 221.88'
Bottom Of Structure = 218.11'
In Pl. Conc. Pipe

049 In Pl. Metal Grate
Rim = 223.06'
Bottom Of Structure = 216.30'
In Pl. 18" Conc. Pipe

050 In Pl. Metal Grate
Rim = 221.67'
(a) Inv. In = 212.77'
(b) Inv. In = 216.81'
In Pl. 18" Plastic Pipe
Inv. Out = 212.64'

051 In Pl. Conc. Endwall
In Pl. 18" Plastic Pipe
Inv. Out = 211.32'

052 In Pl. Metal Grate
Rim = 221.93'
In Pl. 15" Conc. Pipe
Inv. Out = 218.19'

053 In Pl. Endwall
In Pl. 15" Conc. Pipe
Inv. Out = 220.50'

054 In Pl. Metal Grate w/ Slot Drain
Rim = 224.55'
Bottom Of Structure = 221.73'
In Pl. 15" Conc. Pipe

055 In Pl. Conc. Headwall
In Pl. 30" Metal Pipe
Inv. Out = 205.98'

056 In Pl. Conc. Endwall
In Pl. 15" Conc. Pipe
Inv. Out = 225.99'

057 In Pl. Metal Grate/Slot Drain
Rim = 231.75'
In Pl. 15" Conc. Pipe
Inv. Out = 226.85'

058 In Pl. Metal Grate
Rim = 233.11'
Bottom Of Structure = 229.34'
In Pl. Conc. Pipe

059 In Pl. Metal Grate
Rim = 233.41'
Bottom Of Structure = 226.65'
In Pl. 18" Conc. Pipe

060 In Pl. Metal Grate
Rim = 232.37'
(a) Inv. In = 227.34'
(b) Inv. In = 225.55'
In Pl. 18" Plastic Pipe
Inv. Out = 225.09'

061 In Pl. Conc. Endwall
In Pl. 18" Plastic Pipe
Inv. Out = 183.80'

062 In Pl. Metal Grate
Rim = 232.90'
In Pl. 15" Conc. Pipe
Inv. Out = 228.99'

063 In Pl. Conc. Headwall
In Pl. 72" Metal Pipe
Inv. Out = 178.32'

064 In Pl. Conc. DI
Rim = 224.30'
Inv. Out = 221.45'
In Pl. 15" Conc. Pipe

065 In Pl. 15" Conc. Pipe
Inv. Out = 220.95'

066 In Pl. 60" Conc. Pipe
Inv. Out = 220.12'

067 In Pl. SSMH
Rim = 240.28'
(Unable to Open)

068 In Pl. Metal Grate
Rim = 240.48'
Bottom Of Structure = 235.36'
In Pl. 15" Conc. Pipe

069 In Pl. Metal Grate
Rim = 240.02'
Bottom Of Structure = 235.50'
In Pl. Conc. Pipe

070 In Pl. Conc. DI
Rim = 230.89'
Inv. Out = 226.79'
In Pl. 15" Conc. Pipe
(Temlus not Found)

071 In Pl. 15" Conc. Pipe
Inv. Out = 236.57'

072 In Pl. Metal Grate
Rim = 241.00'
Bottom Of Structure = 237.58'
In Pl. 15" Conc. Pipe

073 In Pl. SSMH
Rim = 247.51'
Bottom Of Structure = 235.72'
In Pl. 60" Metal Pipe

074 In Pl. Headwall
Inv. In = 239.78'
In Pl. 60" Metal Pipe
Inv. Out = 239.24'

075 In Pl. Metal Grate
Rim = 253.08'
Bottom Of Structure = 243.35'
In Pl. 36" Conc. Pipe

076 In Pl. Metal Grate
Rim = 249.92'
Bottom Of Structure = 245.00'
In Pl. 15" Conc. Pipe

077 In Pl. Metal Grate
Rim = 249.91'
Bottom Of Structure = 246.25'
In Pl. Conc. Pipe

078 In Pl. Metal Grate
Rim = 248.92'
Bottom Of Structure = 241.56'
In Pl. Conc. Pipe

079 In Pl. Metal Grate
Rim = 246.48'
Bottom Of Structure = 242.66'
In Pl. 18" Conc. Pipe

080 In Pl. 18" Conc. Pipe
Inv. Out = 242.13'

081 In Pl. 48" Conc. Pipe
Inv. Out = 239.23'

082 In Pl. 48" Conc. Pipe
Inv. In = 239.44'

083 In Pl. Metal Grate
Rim = 258.23'
Bottom Of Structure = 249.69'
In Pl. 36" Conc. Pipe

084 In Pl. Metal Grate
Rim = 255.54'
Bottom Of Structure = 252.62'
In Pl. 15" Conc. Pipe

085 In Pl. Metal Grate
Rim = 255.76'
Bottom Of Structure = 252.87'
In Pl. Conc. Pipe

086 In Pl. Metal Grate
Rim = 251.52'
Bottom Of Structure = 248.25'
In Pl. 15" Conc. Pipe

087 In Pl. Metal Grate
Rim = 256.73'
Bottom Of Structure = 251.72'
In Pl. 18" Conc. Pipe

088 In Pl. Metal Grate
Rim = 263.89'
In Pl. 15" Conc. Pipe
Inv. Out = 260.39'

089 In Pl. SSMH
Rim = 264.91'
Bottom Of Structure = 258.04'
In Pl. 36" Conc. Pipe

090 In Pl. Metal Grate
Rim = 262.40'
Bottom Of Structure = 259.40'
In Pl. 15" Conc. Pipe

091 In Pl. Metal Grate
Rim = 263.98'
Bottom Of Structure = 259.61'
In Pl. Conc. Pipe

092 In Pl. Conc. DI
Rim = 281.81'
In Pl. 15" Conc. Pipe
Inv. Out = 273.86'

093 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 271.53'

094 In Pl. Metal Grate
Rim = 258.09'
Bottom Of Structure = 254.80'
In Pl. 15" Conc. Pipe

095 In Pl. SSMH
Rim = 271.03'
Bottom Of Structure = 263.15'
In Pl. 36" Conc. Pipe

096 In Pl. Metal Grate
Rim = 268.87'
Bottom Of Structure = 265.43'
In Pl. 15" Conc. Pipe

097 In Pl. Metal Grate
Rim = 268.74'
Bottom Of Structure = 265.23'
In Pl. Conc. Pipe

098 In Pl. Metal Grate
Rim = 265.60'
Bottom Of Structure = 260.81'
In Pl. 18" Conc. Pipe

099 In Pl. Metal Grate
Rim = 264.12'
In Pl. 15" Conc. Pipe
Inv. Out = 261.40'

100 In Pl. SSMH
Rim = 277.98'
Bottom Of Structure = 268.45'
In Pl. 36" Conc. Pipe

101 In Pl. Metal Grate
Rim = 274.85'
Bottom Of Structure = 270.68'
In Pl. 15" Conc. Pipe

102 In Pl. Metal Grate
Rim = 273.95'
Bottom Of Structure = 270.87'
In Pl. Conc. Pipe

103 In Pl. SSMH
Rim = 280.64'
Bottom Of Structure = 270.60'
In Pl. 36" Conc. Pipe

104 In Pl. Metal Grate
Rim = 277.54'
Bottom Of Structure = 273.19'
In Pl. 15" Conc. Pipe

105 In Pl. Metal Grate
Rim = 277.35'
Bottom Of Structure = 274.10'
In Pl. Conc. Pipe

106 In Pl. Metal Grate
Rim = 273.78'
Bottom Of Structure = 268.86'
In Pl. 18" Conc. Pipe

107 In Pl. Metal Grate
Rim = 278.50'
Bottom Of Structure = 272.84'
In Pl. 36" Conc. Pipe

108 In Pl. Metal Grate
Rim = 279.78'
Bottom Of Structure = 274.23'
In Pl. 15" Conc. Pipe

109 In Pl. Metal Grate
Rim = 280.89'
Bottom Of Structure = Inaccessable

110 In Pl. SSMH
Rim = 280.65'
Bottom Of Structure = 273.73'
In Pl. 36" Conc. Pipe

111 In Pl. Metal Grate
Rim = 281.31'
Bottom Of Structure = 277.41'
In Pl. 15" Conc. Pipe

112 In Pl. Metal Grate
Rim = 281.51'
Bottom Of Structure = 275.89'
In Pl. 30" Conc. Pipe

113 In Pl. SSMH
Rim = 285.09'
(a) Inv. In = 277.62'
(b) Inv. In = 280.45'
In Pl. 30" Conc. Pipe
Inv. Out = 277.19'

114 In Pl. Metal Grate
Rim = 286.60'
Bottom Of Structure = 281.92'
In Pl. 24" Metal Pipe

115 In Pl. Metal Grate
Rim = 286.64'
Bottom Of Structure = 281.27'
In Pl. Conc. Pipe

116 In Pl. SSMH
Rim = 288.58'
Bottom Of Structure = 282.02'
In Pl. 24" Metal Pipe

117 In Pl. Metal Grate
Rim = 288.35
In Pl. 18" Conc. Pipe
Inv. Out = 283.70'

118 In Pl. Metal Grate
Rim = 283.78'
Bottom Of Structure = 279.04'
In Pl. 24" Metal Pipe

119 In Pl. Metal Grate
Rim = 291.85'
Bottom Of Structure = 287.05'
In Pl. Conc. Pipe

120 In Pl. Metal Grate
Rim = 290.26
Bottom Of Structure = 285.31'
In Pl. 18" Conc. Pipe

121 In Pl. Metal Grate
Rim = 294.80'
Bottom Of Structure = 289.74'
In Pl. 18" Metal Pipe

122 In Pl. Metal Grate
Rim = 293.52'
Bottom Of Structure = 288.65'
In Pl. 15" Metal Pipe

123 In Pl. 15" Conc. Pipe
Inv. In = 195.19'
In Pl. 15" Conc. Pipe
Inv. Out = 194.35'

124 In Pl. 15" Conc. Pipe
Inv. In = 203.42'
In Pl. 15" Conc. Pipe
Inv. Out = 202.06

125 In Pl. 15" Conc. Pipe
Inv. In = 215.85'
In Pl. 15" Conc. Pipe
Inv. Out = 213.51'

126 In Pl. 15" Conc. Pipe
Inv. In = 224.96'
In Pl. 15" Conc. Pipe
Inv. Out = 224.85'

127 In Pl. 15" Conc. Pipe
Inv. In = 227.55'
In Pl. 15" Conc. Pipe
Inv. Out = 226.75'

128 In Pl. 15" Conc. Pipe
Inv. In = 229.09'
In Pl. 15" Conc. Pipe
Inv. Out = 228.57'

129 In Pl. 15" Conc. Pipe
Inv. In = 231.12'
In Pl. 15" Conc. Pipe
Inv. Out = 231.02'

130 In Pl. 15" Conc. Pipe
Inv. In = 232.04'
In Pl. 15" Conc. Pipe
Inv. Out = 231.61'

131 In Pl. Conc. DI
Rim = 216.00'
In Pl. 15" Metal Pipe
Inv. Out = 210.00'

132 In Pl. FES
In Pl. 15" Metal Pipe
Inv. Out = 207.65'

133 In Pl. 15" Conc. Pipe
Inv. Out = 217.91'
(Abandoned)

134 In Pl. Conc. DI
Rim = 199.23'
In Pl. 15" Metal Pipe
Inv. Out = 195.18'

135 In Pl. 24" Metal Pipe
Inv. Out = 189.92'

136 In. Pl. SSMH
Rim = 301.74'
(Surcharched)

137 In. Pl. Drop Inlet
Rim = 301.80'
In Pl. 15" Metal Pipe
Inv. Out = 297.82'

138 In. Pl. SSMH
Rim = 299.22'
Inv. In = 292.94'
In Pl. 15" Conc. Pipe
Inv. Out = 291.39'

139 In. Pl. SSMH
Top = 292.07'
(a) Inv. In = 280.93'
(b) Inv. In = 280.78'
(c) Inv. In = 280.83'
In Pl. 21' Conc. Pipe
Inv. Out = 278.65'

140 In. Pl. Conc. Drop Inlet
Rim = 298.21'
In Pl. 24" Metal Pipe
Inv. Out = 290.76'

141 In. Pl. SSMH
Rim = 300.79'
Inv. In = 288 54'
In Pl. 24" Conc. Pipe
Inv. Out = 288.46'

142 In. Pl. Drop Inlet
Top = 271.13'
Inv. In = 264.47'
In Pl. 21' Conc. Pipe
Inv. Out = 264.45'

143 In. Pl. Drop Inlet
Top = 270.48'
In Pl. 15" Conc. Pipe
Inv. Out = 264.31'
(Terminus Unknown)
(Possible Blind Connection)

144 In. Pl. Drop Inlet
Top = 269.39'
(Surcharged)

145 In. Pl. Drop Inlet
Rim = 260.71'
Inv. In = 250.10'
In Pl. 24" Conc. Pipe
Inv. Out = 250.02'

146 In. Pl. Endwall
In Pl. 24" Conc. Pipe
Inv. Out = 248.32'

147 In Pl. 15" Conc. Pipe
Inv. In = 311.45'
In Pl. 15" Conc. Pipe
Inv. Out = 309.75'

148 In. Pl. FES
In Pl. 18" Conc. Pipe
Inv. Out = 219.80'

149 In. Pl. Drop Inlet
Rim = 241.32'
Inv. In = 224.32'
In Pl. 18" Conc. Pipe
Inv. Out = 223.12'

150 In. Pl. Drop Inlet
Rim = 229.38'
(Full of Debris)

151 In. Pl. Drop Inlet
Rim = 230.01'
(a) Inv. In = 225.81'
(b) Inv. In = 225.71'
In Pl. 18" Conc. Pipe
Inv. Out = 225.65'

152 In. Pl. Drop Inlet
Rim = 229.98'
Inv. In = 226.78'
In Pl. 15" Conc. Pipe
Inv. Out = 226.68'

153 In. Pl. Drop Inlet
Rim = 243.46'
(a) Inv. In = 229.58'
In Pl. 18" Conc. Pipe
(b) Inv. In = (Unable to Access)
Inv. Out = (Unable to Access)

154 In. Pl. Drop Inlet
Rim = 244.15'
Inv. In = 239.43'
In Pl. 15" Conc. Pipe
Inv. Out = 239.35'

155 In. Pl. Drop Inlet
Rim = 244.53'
Inv. In = 240.68'
In Pl. 15" Conc. Pipe
Inv. Out = 240.58'

156 In. Pl. Drop Inlet
Rim = 245.53'
In Pl. 15" Conc. Pipe
Inv. Out = 241.36'

157 In. Pl. Drop Inlet
Rim = 236.90'
In Pl. 18" Conc. Pipe
(Full of Debris)
(No Pipes Visible)

158 In. Pl. Drop Inlet
Rim = 238.00'
Inv. In = 234.00'
In Pl. 18" Conc. Pipe
Inv. Out = 233.90'

159 In. Pl. Drop Inlet
Rim = 237.97'
(a) Inv. In = 233.27'
(b) Inv. In = 233.20'
In Pl. 18" Conc. Pipe
Inv. Out = 233.19'

160 In. Pl. Drop Inlet
Rim = 239.05'
Inv. In = 233.76'
In Pl. 18" Conc. Pipe
Inv. Out = 233.70'

161 In. Pl. Drop Inlet
Rim = 239.43'
In Pl. 18" Conc. Pipe
Inv. Out = 235.38'

162 In Pl. 15" Metal Pipe
Inv. In = 289.43'
In Pl. 15" Metal Pipe
Inv. Out = 286.71'

163 In Pl. 15" CMP
Inv. In = 261.65'
Inv. Out = 259.58'
Inv. Out = 259.99'

164 In Pl. 15" Metal Pipe
Inv. In = 309.42'
In Pl. 15" Metal Pipe
Inv. Out = 309.36'

165 In Pl. 18" Conc. Pipe
Inv. In = 307.29'
In Pl. 18" Conc. Pipe
Inv. Out = 303.32'

166 In. Pl. Drop Inlet
Rim = 312.12'
In Pl. 15" Conc. Pipe
Inv. Out = 306.52

167 In. Pl. Drop Inlet
Rim = 311.87'
Inv. In = 306.12'
In Pl. 15" Conc. Pipe
Inv. Out = 306.07'

168 In. Pl. Drop Inlet
Rim = 300.73'
Inv. In = 297.98'
In Pl. 18" Conc. Pipe
Inv. Out = 297.93'

169 In. Pl. FES
In Pl. 18" Conc. Pipe
Inv. Out = 297.57'

170 In Pl. Metal Grate
Rim = 301.50'
In Pl. 18" Metal Pipe
Inv. Out = 295.04'

171 In Pl. Metal Grate
Rim = 300.89'
(Full of Debris)

172 In Pl. Metal Grate
Rim = 302.19'
(Full of Debris)

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	1F(5) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 Jakomiak, PE_(703) 849-0651 _____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	IF(6) AREA 1

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

Survey Drainage Descriptions

173 In Pl. Metal Grate
Rim = 296.92'
In Pl. 24" Metal Pipe
Inv. Out = 293.31'

174 In Pl. Metal Grate
Rim = 300.94'
Inv. In = 293.44'
In Pl. 24" Metal Pipe
Inv. Out = 293.39'

175 In Pl. Metal Grate
Rim = 296.00'
Inv. In = 292.00'
In Pl. 36" Conc. Pipe
Inv. Out = 291.95'

176 In Pl. Metal Grate
Rim = 296.42'
(a) Inv. In = 291.72'
(b) Inv. In = 291.37'
In Pl. 36" Conc. Pipe
Inv. Out = 291.36'

177 In Pl. Metal Grate
Rim = 299.74'
In Pl. 15" Conc. Pipe
Inv. Out = 293.24'

178 In Pl. Metal Grate
Rim = 298.09'
In Pl. 15" Conc. Pipe
Inv. Out = 282.29'

179 In Pl. Metal Grate
Rim = 296.21'
(a) Inv. In = 290.61'
(b) Inv. In = 290.61'
In Pl. 36" Conc. Pipe
Inv. Out = 290.51'

180 In Pl. FES
In Pl. 36" Conc. Pipe
Inv. Out = 290.01'

181 In Pl. Conc. Endwall
In Pl. 24" Metal Pipe
Inv. Out = 281.17'

182 In Pl. Headwall
Inv. In = 299.91'
In Pl. 24" Metal Pipe

183 In Pl. 15" Conc. Pipe
Inv. Out = 301.33'
In Pl. 15" Conc. Pipe
Inv. In = 302.97'

184 In Pl. 24" Metal Pipe
Inv. Out = 291.68'

185 In Pl. Metal Grate
Rim = 305.73'
Bottom Of Structure = 300.89'
In Pl. Conc. Pipe

186 In Pl. Metal Grate
Rim = 304.09'
Bottom Of Structure = 296.54'
In Pl. 24" Metal Pipe

187 In Pl. FES
In Pl. 24" Metal Pipe
Inv. Out = 299.96'

188 In Pl. 15" Conc. Pipe
Inv. In = 304.06'
In Pl. 15" Conc. Pipe
Inv. Out = 302.34'

189 In Pl. 15" Conc. Pipe
Inv. In = 300.94'
In Pl. 15" Conc. Pipe
Inv. Out = 300.48'

190 In Pl. Metal Grate
Rim = 301.08'
In Pl. 15" Conc. Pipe
Inv. Out = 299.08'

191 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 298.18'

192 In Pl. Metal Grate
Rim = 290.76'
In Pl. 15" Conc. Pipe
Inv. Out = 287.21'

193 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 286.83'

194 In Pl. Metal Grate
Rim =300.50'
In Pl. 15" Conc. Pipe
Bottom Of Structure = 295.22'

195 In Pl. Metal Grate
Rim = 292.98'
(a) Inv. In = 288.76'
(b) Inv. In = 281.10'
In Pl. 18" Conc. Pipe
Inv. Out = 281.11'

196 In Pl. Metal Grate
Rim = 292.50'
In Pl. Conc. Pipe
Bottom of Structure = 285.65

197 In Pl. Metal Grate
Rim = 292.70'
In Pl. Conc. Pipe
Bottom of Structure = 285.57

198 In Pl. 18" Conc. Pipe
Inv. In = 280.22'

199 In Pl. Metal Grate
Rim = 292.68'
Bottom Of Structure = Inaccessable

200 In Pl. Conc. Headwall
In Pl. 54" Metal Pipe
Inv. In = 270.60'
In Pl. 54" Metal Pipe
Inv. Out = 266.30'

201 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 271.42'

202 In Pl. Metal Grate
Rim = 285.26'
In Pl. 15" Conc. Pipe
Inv. Out = 274.12'

203 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 272.15'

204 In Pl. Metal Grate
Rim = 276.18'
In Pl. 15" Conc. Pipe
Inv. Out = 273.07'

205 In Pl. Metal Grate
Rim = 284.60
Bottom Of Structure = 279.84'
In Pl. 15" Conc. Pipe

206 In Pl. Metal Grate
Rim = 277.21'
Bottom Of Structure = 273.39'
In Pl. 15" Conc. Pipe

207 In Pl. Metal Grate
Rim = 269.97'
Bottom Of Structure = 263.90'
In Pl. 15" Conc. Pipe

208 In Pl. Metal Grate
Rim = 262.98'
(a) Inv. In = 257.26'
(b) Inv. In = 257.21'
In Pl. 24" Conc. Pipe
Inv. Out = 257.79'

209 In Pl. Metal Grate
Rim = 277.08
Bottom Of Structure = 270.92
In Pl. 12" Metal Pipe

210 In Pl. Metal Grate
Rim = 274.92'
Bottom Of Structure = 270.59'
In Pl. 15" Conc. Pipe

211 In Pl. Metal Grate
Rim = 264.74'
Bottom Of Structure = 258.94'
In Pl. Conc. Pipe

212 In Pl. Metal Grate
Rim = 266.48'
Bottom Of Structure = 257.91'
In Pl. 18" Conc. Pipe

213 In Pl. 24" Conc. Pipe
Inv. Out = 255.83'

214 In Pl. 15" Conc. Pipe
Inv. Out = 256.49'

215 In. Pl. Conc. Dl
Rim = 245.54'
In Pl. 15" Conc. Pipe
Inv. Out = 242.59'

216 In Pl. 15" Conc. Pipe
Inv. Out = 230.72'

217 In. Pl. SSMH
Rim = 243.98'
Inv. In = 234.58'
In Pl. 15" Conc. Pipe
Inv. Out = 233.08'

218 In. Pl. Conc. Dl
Rim = 252.43'
Full of Debris

219 In Pl. Endwall
In Pl. 60" Metal Pipe
Inv. Out = 227.03'

220 In Pl. Metal Grate
Rim = 257.21'
(Inaccessable)

221 In Pl. Headwall
In Pl. 60" Metal Pipe
Inv. In = 233.05'

222 In Pl. Metal Grate
Rim = 255.75'
In Pl. 15" Conc. Pipe
Bottom Of Structure = 243.98'

223 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 243.20'

224 In Pl. Metal Grate
Rim = 248.68'
Bottom Of Structure = 238.30'
In Pl. 15" Conc. Pipe

225 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 237.95'

226 In Pl. Metal Grate
Rim = 244.85'
Bottom Of Structure = 237.80'
In Pl. 15" Conc. Pipe

227 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. Out = 237.13'

228 In Pl. Metal Grate
Rim = 247.93'
In Pl. 15" Conc. Pipe
Full of Debris

229 In Pl. F.E.S
In Pl. 15" Conc. Pipe
Inv. = 232.22'

230 In Pl. Endwall
In Pl. 24" Conc. Pipe
Inv. = 230.51'

231 In Pl. Metal Grate
Rim = 237.92'
In Pl. 24" Conc. Pipe
Bottom of Structure = 232.29'

232 In Pl. Metal Grate
Rim = 241.21'
In Pl. 18" Conc. Pipe
Bottom of Structure = 233.71'

233 In Pl. Metal Grate
Rim = 241.08'
In Pl. 18" Conc. Pipe
Bottom of Structure = 237.2' +/-

234 In Pl. Metal Grate
Rim = 241.37'
In Pl. Conc. Pipe Surcharged
(per 2014 Plan)
Bottom of Structure = 237.2' +/-

235 In Pl. F.E.S
In Pl. 15" Conc. Pipe
Inv. = 229.17'

236 In Pl. SSMH
Rim = 241.56'
(a) Inv. In = 231.36'
(b) Inv. In = 232.26'
In Pl. 15" Conc. Pipe
Inv. Out = 231.26'

237 In Pl. Metal Grate
Rim = 240.74'
In Pl. 15" Conc. Pipe
Inv. Out = 235.64'

238 In Pl. Metal Grate
Rim = 235.27'
In Pl. 15" Conc. Pipe
Inv. Out = 231.97'

239 In Pl. 12" Metal Pipe
Inv. In = 284.60'
In Pl. 12" Metal Pipe
Inv. Out = 282.58'

240 In Pl. 21" Conc. Pipe
Inv. In = 263.70'
In Pl. 21" Conc. Pipe
Inv. Out = 263.36'

241 In Pl. 18" Conc. Pipe
Inv. In = 259.18'
In Pl. 18" Conc. Pipe
Inv. Out = 257.26'

242 In Pl. 24" Metal Pipe
Inv. In = 252.73'
In Pl. 24" Metal Pipe
Inv. Out = 247.13'

243 In Pl. 24" Conc. Pipe
Inv. In = 259.89'
In Pl. 24" Conc. Pipe
Inv. Out = 255.06'

244 In Pl. 15" Metal Pipe
Inv. In = 254.35'
In Pl. 15" Metal. Pipe
Inv. Out = 251.74'

245 In Pl. Conc. Headwall
In Pl. 15" Metal Pipe
Inv. In = 259.32'
In Pl. Conc. Endwall
In Pl. 15" Metal. Pipe
Inv. Out = 257.27'

246 In Pl. Headwall
In Pl. 7' x 6' Box Culvert
Inv. = 228.04'

247 In Pl. Metal Grate
Rim = 242.16'
Drops Into Box Culvert

248 In Pl. Metal Grate
Rim = 241.49'
Drops Into Box Culvert

249 In Pl. Endwall
In Pl. 7' x 6' Box Culvert
Inv. = 227.28'

250 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 232.85'

251 In Pl. Metal Grate
Rim = 242.86'
In Pl. 18" Conc. Pipe
Inv. Out = 233.66'

252 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 233.28'

253 In Pl. Metal Grate
Rim = 244.74'
Inv. In = 234.84'
In Pl. 18" Conc. Pipe
Inv. Out = 234.84'

254 In Pl. Metal Grate
Rim = 245.59'
Inv. In = 237.59'
In Pl. 18" Conc. Pipe
Inv. Out = 237.59'

255 In Pl. Metal Grate
Rim = 247.95'
In Pl. 18" Conc. Pipe
Bottom of Structure = 241.33'

256 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 241.61'

257 In Pl. Metal Grate
Rim = 248.57'
In Pl. 18" Conc. Pipe
Inv. Out = 242.02'

258 In Pl. Endwall
In Pl. 7' x 6' Box Culvert
(a) Inv. = 237.73'
In Pl. 7' x 6' Box Culvert
(b) Inv. = 237.72'

259 In Pl. Headwall
In Pl. 7' x 6' Box Culvert
(a) Inv. = 239.35'
In Pl. 7' x 6' Box Culvert
(b) Inv. = 239.38'

260 In Pl. Metal Grate
Rim = 252.35'
Drops Into Box Culvert

261 In Pl. Metal Grate
Rim = 255.65'
In Pl. 15" Conc. Pipe
Inv. Out = 246.85'

262 In Pl. Metal Grate
Rim = 250.88'
(a) Inv. In = 245.68'
(b) Inv. In = 245.68'
In Pl. 15" Conc. Pipe
Inv. Out = 241.18'

263 In Pl. Metal Grate
Rim = 254.49'
Inv. In = 250.29'
In Pl. 15" Conc. Pipe
Inv. Out = 250.24'

264 In Pl. Metal Grate
Rim = 260.70'
In Pl. 15" Conc. Pipe
Inv. Out = 251.00'

265 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 246.96'

266 In Pl. Metal Grate
Rim = 253.57'
In Pl. 18" Conc. Pipe
Inv. Out = 247.27'

267 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 243.18'

268 In Pl. Metal Grate
Rim = 256.88'
Inv. In = 249.38+/-
In Pl. 18" Conc. Pipe
Inv. Out = 242.18'

269 In Pl. Metal Grate
Rim = 264.55'
In Pl. 18" Conc. Pipe
Inv. Out = 253.20'

270 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 247.11'

271 In Pl. Metal Grate
Rim = 257.98'
In Pl. 18" Conc. Pipe
Inv. Out = 249.18'

272 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 242.69'

273 In Pl. Metal Grate
Rim = 259.39'
Inv. In = 250.19
In Pl. 18" Conc. Pipe
Inv. Out = 250.09'

274 In Pl. Metal Grate
Rim = 268.45'
In Pl. 18" Conc. Pipe
Inv. Out = 255.75'

275 In Pl. Metal Grate
Rim = 272.58'
In Pl. 18" Conc. Pipe
Inv. Out = 264.98'

276 In Pl. SSMH
Rim = 274.71'
(a) Inv. In = 263.91'
(b) Inv. In = 263.91'
(c) Inv. In = 258.41'
In Pl. 30" Plastic Pipe
Inv. Out = 258.36'

277 In Pl. Metal Grate
Rim = 275.91'
Inv. In = 265.36'
In Pl. 18" Conc. Pipe
Inv. Out = 265.31'

278 In Pl. Metal Grate
Rim = 274.57'
In Pl. 18" Conc. Pipe
Inv. Out = 265.77'

279 In Pl. Metal Grate
Rim = 274.82'
In Pl. 18" Conc. Pipe
Inv. Out = 259.37'

280 In Pl. Metal Grate
Rim = 263.14'
Inv. In = 258.46
In Pl. 18" Conc. Pipe
Inv. Out = 258.42'

281 In Pl. SSMH
Rim = 263.93'
(a) Inv. In = 255.68'
(b) Inv. In = 259.25'
(c) Inv. In = 253.93'
In Pl. 36" Plastic Pipe
Inv. Out = 248.03'

282 In Pl. Metal Grate
Rim = 265.75'
Inv. In = 258.95'
In Pl. 18" Conc. Pipe
Inv. Out = 258.85'

283 In Pl. Metal Grate
Rim = 265.43'
Inv. In = 259.53'
In Pl. 18" Conc. Pipe
Inv. Out = 259.43'

284 In Pl. Metal Grate
Rim = 277.03'
In Pl. 18" Conc. Pipe
Inv. Out = 259.13'

285 In Pl. Metal Grate
Rim = 263.12'
In Pl. 18" Conc. Pipe
Inv. Out = 256.77'

286 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 251.80'

287 In Pl. Endwall
In Pl. 42" Conc. Pipe
Inv. = 246.63'

288 In Pl. Headwall
In Pl. 42" Conc. Pipe
Inv. Out = 260.72'

289 In Pl. Headwall
In Pl. 42" Conc. Pipe
Inv. = 268.67'

290 In Pl. SSMH
Rim = 269.05'
(a) Inv. In = 262.73'
(b) Inv. In = 255.35'
In Pl. 36" Plastic Pipe
Inv. Out = 255.30'

291 In Pl. Metal Grate
Rim = 269.76'
Inv. In = 264.78'
In Pl. 18" Conc. Pipe
Inv. Out = 264.73'

292 In Pl. Metal Grate
Rim = 269.49'
Inv. In = 265.00'
In Pl. 18" Conc. Pipe
Inv. Out = 264.89'

293 In Pl. Metal Grate
Rim = 278.50'
Inv. In = 271.00'
In Pl. 18" Conc. Pipe
Inv. Out = 267.25'

294 In Pl. Metal Grate
Rim = 278.24'
Inv. In = 272.44'
In Pl. 18" Conc. Pipe
Inv. Out = 272.39'

295 In Pl. Metal Grate
Rim = 278.28'
In Pl. 18" Conc. Pipe
Inv. Out = 273.32'

296 In Pl. Metal Grate
Rim = 271.10'
In Pl. 18" Conc. Pipe
Inv. Out = 262.00'

297 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 253.48'

298 In Pl. Endwall
In Pl. 10' x 10' Box Culvert
(a) Inv. = 249.90'
In Pl. 10' x 10' Box Culvert
(b) Inv. = 249.96'
In Pl. 10' x 10' Box Culvert
(c) Inv. = 249.87'

299 In Pl. Headwall
In Pl. 10' x 10' Box Culvert
(a) Inv. = 255.96'
In Pl. 10' x 10' Box Culvert
(b) Inv. = 255.73'
In Pl. 10' x 10' Box Culvert
(c) Inv. = 256.03'

300 In Pl. Metal Grate
Rim = 272.09'
In Pl. 18" Conc. Pipe
Inv. Out = 266.94'

301 In Pl. Metal Grate
Rim = 272.86'
Inv. In = 266.46'
In Pl. 18" Conc. Pipe
Inv. Out = 266.41'

302 In Pl. Metal Grate
Rim = 273.69'
Inv. In = 266.14'
In Pl. 18" Conc. Pipe
Inv. Out = 266.09'

303 In Pl. SSMH
Rim = 274.48'
(a) Inv. In = 265.48'
(b) Inv. In = 265.48'
Connects to Box Culvert

304 In Pl. Metal Grate
Rim = 274.24'
Inv. In = 266.10'
In Pl. 18" Conc. Pipe
Inv. Out = 266.04'

305 In Pl. 24" Conc. Pipe
Inv. = 306.18'

306 In Pl. 24" Conc. Pipe
Inv. = 313.92'

307 In Pl. 24" Conc. Pipe
Inv. = 303.26'

308 In Pl. 24" Conc. Pipe
Inv. = 309.78'

309 In Pl. Metal Grate
Rim = 289.26'
In Pl. 18" Conc. Pipe
Inv. Out = 272.96'

310 In Pl. Metal Grate
Rim = 265.38'
Inv. In = 262.38'
In Pl. 18" Conc. Pipe
Inv. Out = 259.98'

311 In Pl. Endwall
In Pl. 36" Plastic Pipe
Inv. = 247.48'

312 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 255.17'

313 In Pl. Metal Grate
Rim = 268.31'
Inv. In = 259.51'
In Pl. 36" Plastic Pipe
Inv. Out = 259.41'

314 In. Pl. Conc. Dl
Rim = 280.69'
Inv. In = 276.67'
In Pl. 24" Conc. Pipe
Inv. Out = 276.61'

315 In. Pl. Metal Grate
Rim = 279.37'
Inv. In = 276.77'
In Pl. 18" Conc. Pipe
Inv. Out = 276.75'

316 In. Pl. Metal Grate
Rim = 280.81'
In Pl. 18" Conc. Pipe
Inv. Out = 277.21'

317 In. Pl. Metal Grate
Rim = 288.46'
In Pl. 18" Conc. Pipe
Inv. Out = 283.34'

318 In. Pl. Metal Grate
Rim = 293.54'
Inv. In = 278.24'
In Pl. 18" Conc. Pipe
Inv. Out = 278.19'

319 In. Pl. Metal Grate
Rim = 293.44'
(a) Inv. In = 276.34'
(b) Inv. In = 281.64'
In Pl. 18" Conc. Pipe
Inv. Out = 276.29'

320 In. Pl. SSMH
Rim = 295.72'
(a) Inv. In = 274.99'
(b) Inv. In = 276.29'
In Pl. 24" Conc. Pipe

321 In Pl. FES
In Pl. 24" Conc. Pipe
Inv. Out = 274.81'

322 In Pl. SSMH
Rim = 292.13'
Inv. In = 286.18'
In Pl. 18" Conc. Pipe
Inv. Out = 279.93'

323 In Pl. Endwall
In Pl. 60" Metal Pipe
Inv. = 260.02'

324 In Pl. Headwall
In Pl. 60" Metal Pipe
Inv. = 261.62'

325 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 296.55'

326 In Pl. Metal Grate
Rim = 301.26'
Inv. In = 296.56'
In Pl. 18" Conc. Pipe
Inv. Out = 296.52'

327 In Pl. Conc. Dl
Rim = 301.80'
Inv. In = 297.16'
In Pl. 18" Conc. Pipe
Inv. Out = 297.06'

328 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 297.48'

329 In Pl. Conc. Endwall
In Pl. 30" Conc. Pipe
Inv. = 266.73'

330 In. Pl. SSMH
Rim = 292.43'
(a) Inv. In = 285.83'
(b) Inv. In = 287.33'
In Pl. 30" Conc. Pipe
Inv. Out = 275.63'

331 In. Pl. Metal Grate
Rim = 299.69'
(a) Inv. In = 290.99'
(b) Inv. In = 292.69'
In Pl. 24" Conc. Pipe
Inv. Out = 286.29'

332 In Pl. Metal Grate
Rim = 301.17'
Inv. In = 294.47'
In Pl. 18" Conc. Pipe
Inv. Out = 294.22'

333 In Pl. Metal Grate
Rim = 301.03'
In Pl. 18" Conc. Pipe
Inv. Out = 295.41'

334 In Pl. Metal Grate
Rim = 299.56'
Inv. In = 291.56'
In Pl. 21" Conc. Pipe
Inv. Out = 291.48'

335 In Pl. Metal Grate
Rim = 299.97'
Inv. In = 292.05'
In Pl. 18" Conc. Pipe
Inv. Out = 292.00'

336 In. Pl. Metal Grate
Rim = 300.31'
(a) Inv. In = 293.36'
(b) Inv. In = 294.81'
In Pl. 18" Conc. Pipe
Inv. Out = 293.31'

337 In Pl. Metal Grate
Rim = 300.10'
In Pl. 18" Conc. Pipe
Inv. Out = 295.94'

338 In Pl. Conc. Dl
w/Grate
Grate Top = 300.24'
Inv. In = 295.37'
Inv. Out = 293.19'

339 In Pl. Grate
Top = 303.62'
Inv. In = 298.91'
Inv. Out = 298.87'
Inv. Out = 289.99'

340 In Pl. SSMH
Rim = 302.29'
Inv. In = 292.54'
Inv. Out = 292.16'
Inv. Out = 292.31'

341 In Pl. Grate
Top = 303.95'
Inv. Out = 300.45'
(Inv. Out is Top of Slit)

342 In Pl. Metal Grate
Top Grate = 291.28'
Inv. In = 282.90'
In Pl. 18" Conc. Pipe
Inv. Out = 282.80'

343 In Pl. Metal Grate
Rim = 291.40'
(a) Inv. In = 283.30'
(b) Inv. In = 283.30'
In Pl. 18" Conc. Pipe
Inv. Out = 283.20'

344 In Pl. Metal Grate
Rim = 334.92'
In Pl. 18" Plastic Pipe
Inv. Out = 330.52'

345 In Pl. Metal Grate
Rim = 331.21'
Inv. In = 325.91'
In Pl. 18" Plastic Pipe
Inv. Out = 325.71'

346 In Pl. SSMH
Rim = 325.70'
(a) Inv. In = 319.55'
(b) Inv. In = 319.55'
In Pl. 18" Plastic Pipe
Inv. Out = 319.50'

347 In Pl. Metal Grate
Rim = 324.65'
Inv. In = 318.70'
In Pl. 18" Conc. Pipe
Inv. Out = 318.63'

348 In Pl. Metal Grate
Rim = 296.88'
In Pl. 18" Conc. Pipe
Inv. Out = 294.58'

349 In Pl. Metal Grate
Rim = 294.82'
Inv. In = 292.72'
In Pl. 18" Conc. Pipe
Inv. Out = 292.62'

350 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. Out = 282.32'

351 In Pl. Endwall
In Pl. 8' x 8' Box Culvert
(a) Inv. Out = 270.29'
(b) Inv. Out = 270.30'

352 In Pl. Headwall
(a) Inv. In = 272.22'
(b) Inv. In = 272.24'
In Pl. 8' x 8' Box Culvert

353 In Pl. End Section
In Pl. 24" Conc. Pipe
Inv. In = 284.91'

354 In Pl. Metal Grate
Rim = 302.98'
Inv. In = 298.38'
In Pl. 24" Conc. Pipe
Inv. Out = 298.33'

355 In Pl. Metal Grate
Rim = 302.90'
In Pl. 24" Conc. Pipe
Inv. Out = 299.50'

356 In Pl. Endwall
In Pl. 5' x 6 Box Culvert
Inv. Out = 280.86'

357 In Pl. Endwall
In Pl. 15" Conc. Pipe
Inv. = 288.89'

358 Buried Structure
Not Found

359 In Pl. Headwall
In Pl. 7' x 10' Box Culvert
(a) Inv. Out = 265.21'
(b) Inv. Out = 265.13'

360 In Pl. Headwall
In Pl. 18" Metal
Inv. Out = 274.52'

361 In Pl. Endwall
In Pl. 36" Conc. Pipe
Inv. = 282.34'

362 In Pl. Metal Grate
Rim = 287.24'
Inv. In = 282.84'
In Pl. 36" Conc. Pipe
Inv. Out = 282.74'

363 In Pl. FES
In Pl. 36" Conc. Pipe
Inv. Out = 287.04'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	IF(6) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_ - Darrell Fischer PE_(703) 334-0823_____
Dewberry - Roo Jakomaloh, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	IF(7) AREA 1

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

Survey Drainage Descriptions

364 In Pl. Endwall
In Pl. 24" Conc. Pipe
Inv. = 304.71'

365 In Pl. FES
In Pl. 24" Conc. Pipe
Inv. = 313.09'

366 In Pl. Metal Grate
Rim = 320.06'
Inv. In = 314.31'
In Pl. 24" Conc. Pipe
Inv. Out = 314.26'

367 In Pl. Metal Grate
Rim = 318.99'
In Pl. 24" Conc. Pipe
Inv. Out = 315.32'

368 In Pl. Endwall
In Pl. 5' By 6' Box Culvert
Inv. = 284.89'

369 In Pl. Metal Grate
Rim = 355.38'
In Pl. 24" Plastic Pipe
Inv. In = 350.16'
In Pl. 24" Plastic Pipe
Inv. Out = 349.74'

370 In Pl. Metal Grate
Rim = 353.44'
Inv. In = 347.84'
In Pl. 24" Plastic Pipe
Inv. Out = 347.79'

371 In Pl. SSMH
Rim = 353.35'
(a) Inv. In = 347.55'
(b) Inv. In = 329.80'
(c) Inv. In = 347.55'
In Pl. 39" Plastic Pipe
Inv. Out = 329.70'

372 In Pl. Metal Grate
Rim = 352.17'
In Pl. 18" Plastic Pipe
Inv. Out = 348.37'

373 In Pl. Headwall
In Pl. 39" Plastic Pipe
Inv. = 329.79'

374 In Pl. Headwall
In Pl. 48" Conc. Pipe
Inv. = 329.74'

375 In Pl. SSMH
Rim = 352.18'
(a) Inv. In = 343.13'
(b) Inv. In = 322.68'
(c) Inv. In = 342.23'
(d) Inv. In = 342.43'
In Pl. 42" Conc. Pipe
Inv. Out = 322.58'

376 In Pl. Metal Grate
Rim = 349.60'
In Pl. 18" Conc. Pipe
Inv. Out = 343.10'

377 In Pl. Metal Grate
Rim = 350.63'
Inv. In = 344.17'
In Pl. 18" Conc. Pipe
Inv. Out = 344.13'

378 In Pl. Metal Grate
Rim = 350.47'
Inv. In = 344.74'
In Pl. 18" Conc. Pipe
Inv. Out = 344.70'

379 In Pl. Metal Grate
Rim = 347.57'
In Pl. 18" Conc. Pipe
Inv. Out = 345.37'

380 In Pl. SSMH
Rim = 354.15'
Inv. In = 346.80'
In Pl. 24" Conc. Pipe
Inv. Out = 344.70'

381 In Pl. Metal Grate
Rim = 359.25'
In Pl. 24" Conc. Pipe
Inv. In = 354.59'
In Pl. 24" Conc. Pipe
Inv. Out = 352.84'

382 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 347.56'

541 In Pl. Metal Grate
Rim = 355.61'
In Pl. 18" Conc. Pipe
Inv. Out = 348.11'

384 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 343.12'

385 In Pl. Metal Grate
Rim = 364.23'
Inv. In = 358.93'
In Pl. 18" Conc. Pipe
Inv. Out = 345.18'

386 In Pl. Metal Grate
Rim = 364.89'
In Pl. 18" Conc. Pipe
Inv. Out = 359.64'

387 In Pl. 12" Plastic Pipe
Inv. In = 343.58'

388 In Pl. 12" Plastic Pipe
Inv. Out = 343.35'

389 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 349.59'

390 In Pl. Metal Grate
Rim = 358.57'
Inv. In = 353.97'
In Pl. 18" Conc. Pipe
Inv. Out = 350.77'

391 In Pl. Metal Grate
Rim = 359.48'
In Pl. 18" Conc. Pipe
Inv. Out = 354.53'

392 In Pl. SSMH
Rim = 340.86'
In Pl. 24" Plastic Pipe
Inv. In = 333.66'
In Pl. 24" Plastic Pipe
Inv. Out = 333.62'

393 In Pl. SSMH
Rim = 339.95'
Inv. In = 332.90'
In Pl. 24" Conc. Pipe
Inv. Out = 332.85'

394 In Pl. Metal Grate
Rim = 338.52'
(a) Inv. In = Inaccessible
(b) Inv. In = Inaccessible
In Pl. 24" Conc. Pipe
Inv. Out = Inaccessible

395 In Pl. Metal Grate
Rim = 338.15'
Inv. In = 335.01'
In Pl. 18" Conc. Pipe
Inv. Out = 333.05'

396 In Pl. Metal Grate
Rim = 339.65'

397 In Pl. SSMH
Rim = 334.30'
(a) Inv. In = 324.80'
(b) Inv. In = 324.50'
In Pl. 24" Conc. Pipe
Inv. Out = 320.00'

398 In Pl. Metal Grate
Rim = 341.17'
In Pl. 18" Conc. Pipe
Inv. Out = 335.87'

399 In Pl. Endwall
Inv. Out = 307.24'

400 In Pl. SSMH
Rim = 314.50'
Inv. In = 307.52'
In Pl. 24" Conc. Pipe
Inv. Out = 307.47'

401 In Pl. Metal Grate
Rim = 320.03'
(a) Inv. In = 314.91'
(b) Inv. In = 312.53'
In Pl. 24" Conc. Pipe
Inv. Out = 309.03'

402 In Pl. Metal Grate
Rim = 318.63'
Inv. In = 313.63'
In Pl. 18" Conc. Pipe
Inv. Out = 312.88'

403 In Pl. Metal Grate
Rim = 340.45'
Inv. In = 335.45'
In Pl. 18" Conc. Pipe
Inv. Out = 313.45'

404 In Pl. Metal Grate
Rim = 341.98'
In Pl. 18" Conc. Pipe
Inv. Out = 336.98'

405 In Pl. Metal Grate
Rim = 326.39'
(a) Inv. In = 321.49'
(b) Inv. In = 321.39'
In Pl. 18" Conc. Pipe
Inv. Out = 317.09'

406 In Pl. Metal Grate
Rim = 326.19'
In Pl. 18" Conc. Pipe
Inv. Out = 321.99'

407 In Pl. SSMH
Rim = 339.62'
Inv. In = 332.85'
In Pl. 18" Conc. Pipe
Inv. Out = 325.17'

408 In Pl. Metal Grate
Rim = 349.95'
In Pl. 18" Conc. Pipe
Inv. Out = 341.20'

409 In Pl. SSMH
Rim = 328.45'
Inv. In = 319.95'
In Pl. 30" Conc. Pipe
Inv. Out = 305.95'

410 In Pl. Metal Grate
Rim = 332.99'
(a) Inv. In = 328.59'
(b) Inv. In = 328.09'
In Pl. 30" Conc. Pipe
Inv. Out = 321.99'

411 In Pl. SSMH
Rim = 336.99'
(a) Inv. In = 329.49'
(b) Inv. In = 329.99'
In Pl. 24" Plastic Pipe
Inv. Out = 328.39'

412 In Pl. SSMH
Rim = 336.99'
(a) Inv. In = 329.49'
(b) Inv. In = 329.99'
In Pl. 24" Plastic Pipe
Inv. Out = 328.39'

413 In Pl. Metal Grate
Rim = 351.34'
Inverts Inaccessible
Bottom of Structure = 331.30' +/-

414 In Pl. Metal Grate
Rim = 350.69'
Inv. In = 341.49'
In Pl. 18" Conc. Pipe
Inv. Out = 341.34'

415 In Pl. Metal Grate
Rim = 350.54'
Inv. In = 341.24'

416 In Pl. Metal Grate
(a) Inv. In = 344.81'
(b) Inv. In = 341.85'
In Pl. 18" Conc. Pipe
Inv. Out = 341.71'

417 In Pl. Metal Grate
Rim = 357.54'
In Pl. 18" Conc. Pipe
Inv. Out = 352.54'

418 In Pl. Metal Grate
Rim = 347.09'
In Pl. 18" Conc. Pipe
Inv. Out = 342.37'

419 In Pl. Metal Grate
Rim = 348.04'
In Pl. 18" Conc. Pipe
Inv. Out = 343.29'

420 In Pl. Metal Grate
Rim = 335.77'
In Pl. 18" Conc. Pipe
Inv. Out = 331.50'

421 In Pl. SSMH
Rim = 336.43'
(a) Inv. In = 329.28'
(b) Inv. In = 330.18'
In Pl. 24" Plastic Pipe
Inv. Out = 329.23'

422 In Pl. Metal Grate
Rim = 336.33'
In Pl. 18" Conc. Pipe
Inv. Out = 330.18'

423 In Pl. Metal Grate
Rim = 335.61'
Inv. In = 329.87'
In Pl. 18" Plastic Pipe
Inv. Out = 329.83'

424 In Pl. Metal Grate
Rim = 340.64' +/-
Under Const.
Inverts Inaccessible

425 In Pl. Metal Grate
Rim = 368.30'
In Pl. 18" Conc. Pipe
Invert Inaccessible
Bottom of Structure = 343.60' +/-

426 Rim = 341.70' +/-
Under Const.
Inverts Inaccessible

427 In Pl. SSMH
Rim = 342.72'
Inv. In = 336.72'
In Pl. 18" Plastic Pipe
Inv. Out = 336.65'

428 In Pl. SSMH
Rim = 345.94'
Inv. In = 338.52'
In Pl. 18" Plastic Pipe
Inv. Out = 338.47'

429 In Pl. Metal Grate
Rim = 342.27' +/-
In Pl. 18" Plastic Pipe
Invert Inaccessible

430 In Pl. SSMH
Rim = 337.04'
(a) Inv. In = 330.64'
(b) Inv. In = 330.64'
In Pl. 18" Plastic Pipe
Inv. Out = 330.59'

431 In Pl. Metal Grate
Rim = 340.65'
Inv. In = 336.26'
In Pl. 18" Plastic Pipe
Inv. Out = 336.16'

432 In Pl. Metal Grate
Rim = 344.70'
Inv. In = 339.10'
In Pl. 18" Plastic Pipe
Inv. Out = 339.04'

433 In Pl. Metal Grate
Rim = 347.48'
In Pl. 18" Plastic Pipe
Inv. Out = 343.08'

434 In Pl. Metal Grate
Rim = 349.17'
In Pl. 18" Plastic Pipe Stubbed
Inv. Out = 346.59'

435 In Pl. Metal Grate
Rim = 346.35'
Inv. Inaccessible
Under Const.

436 In Pl. Metal Grate
Rim = 325.95'
(a) Inv. In = 316.55'
(b) Inv. In = 316.35'
In Pl. 60" Conc. Pipe
Inv. Out = 316.30'

437 In Pl. SSMH
Rim = 327.35'
Inv. In = 316.60'
In Pl. 48" Conc. Pipe
Inv. Out = 316.56'

438 In Pl. Endwall
In Pl. 36" Conc. Pipe
Inv. = 294.48'

439 In Pl. Headwall
In Pl. 36" Conc. Pipe
Inv. Out = 295.47'

440 In Pl. Endwall
In Pl. 36" Conc. Pipe
Inv. = 395.30'

441 In Pl. SSMH
Inv. In = 298.38'
In Pl. 36" Conc. Pipe
Inv. Out = 298.18'

442 In Pl. Headwall
In Pl. 60" Conc. Pipe
(a) Inv. = 292.44'
In Pl. 4'(h) x 7'(w) Box Culvert
(b) Inv. = 292.56'
In Pl. 4'(h) x 7'(w) Box Culvert
(c) Inv. = 292.73'

443 In Pl. Metal Grate
Rim = 291.53'
Inv. In = 287.91'
In Pl. 18" Conc. Pipe
Inv. Out = 287.88'

444 In Pl. Metal Grate
Rim = 297.33'
Inv. In = 290.71'
In Pl. 18" Conc. Pipe
Inv. Out = 290.68'

445 In Pl. Metal Grate
Rim = 303.19'
In Pl. 18" Conc. Pipe
Inv. Out = 294.79'

446 In Pl. Endwall
In Pl. 30" Conc. Pipe
Inv. 278.59'

447 In Pl. SSMH
Rim = 290.25'
(a) Inv. In = 279.35'
(b) Inv. In = 279.35'
In Pl. 30" Conc. Pipe
Inv. Out = 279.30'

448 In Pl. SSMH
Rim = 288.56'
(a) Inv. In = 281.56'
(b) Inv. In = 281.56'
In Pl. 30" Conc. Pipe
Inv. Out = 281.51'

449 In Pl. SSMH
Rim = 292.39'
(a) Inv. In = 285.89'
(b) Inv. In = 285.89'
In Pl. 30" Conc. Pipe
Inv. Out = 285.82'

450 In Pl. Metal Grate
Rim = 294.17'
(a) Inv. In = 287.22'
(b) Inv. In = 287.22'
In Pl. 30" Conc. Pipe
Inv. Out = 287.17'

451 In Pl. SSMH
Rim = 298.44'
In Pl. 24" Conc. Pipe
Inv. In = 290.49'
In Pl. 30" Conc. Pipe
Inv. Out = 290.44'

452 In Pl. Metal Grate
Rim = 295.33'
Inv. In = 288.63'
In Pl. 18" Conc. Pipe
Inv. Out = 288.53'

453 In Pl. Metal Grate
Rim = 297.60'
In Pl. 18" Conc. Pipe
Inv. Out = 289.00'

454 In Pl. Metal Grate
Rim = 294.53'
In Pl. 18" Conc. Pipe
Inv. Out = 288.03'

455 In Pl. Metal Grate
Rim = 291.95'
Same Str. As C113
Bottom of Structure = 286.05'

456 In Pl. Metal Grate
Rim = 292.95'
Same Str. As C112
Bottom of Structure = 286.05'
In Pl. 18" Conc. Pipe
Inv. Out = 285.95'

457 In Pl. Metal Grate
Rim = 292.29'
(a) Inv. In = 283.35'
(b) Inv. In = 283.35'
In Pl. 18" Conc. Pipe
Inv. Out = 283.29'

458 In Pl. Metal Grate
Rim = 292.20'
In Pl. 18" Conc. Pipe
Inv. Out = 285.20'

459 In Pl. Metal Grate
Rim = 289.12'
In Pl. 18" Conc. Pipe
Inv. Out = 283.52'

460 In Pl. Metal Grate
Rim = 289.13'
Inv. In = 282.98'
In Pl. 18" Conc. Pipe
Inv. Out = 282.96'

461 In Pl. Metal Grate
Rim = 293.08'
Same Str. As C119
Bottom of Structure = 284.38'

462 In Pl. Metal Grate
Rim = 289.44'
Same Str. As C118
Inv. In = 283.04'
In Pl. 18" Conc. Pipe
Inv. Out = 282.98'

463 In Pl. Metal Grate
Rim = 289.44'
(a) Inv. In = 281.77'
(b) Inv. In = 281.77'
In Pl. 18" Conc. Pipe
Inv. Out = 281.70'

464 In Pl. Metal Grate
Rim = 291.54'
Same Str. As C122
Inv. Out = 283.98'

465 In Pl. Metal Grate
Rim = 293.43'
Same Str. As C121
Bottom of Structure = 284.73'

466 In Pl. Endwall
In Pl. 72" Conc. Pipe
Inv. = 283.55'

467 In Pl. SSMH
Rim = 300.12'
(a) Inv. In = 282.77'
(b) Inv. In = 282.77'
Drops Into Box Culvert

468 In Pl. Metal Grate
Rim = 293.48'
In Pl. 18" Conc. Pipe
Inv. Out = 288.98'

469 In Pl. Metal Grate
Rim = 290.91'
Inv. In = 285.35'
In Pl. 18" Conc. Pipe
Inv. Out = 285.31'

470 In Pl. SSMH
Rim = 292.29'
Inv. In = 285.22'
In Pl. 18" Conc. Pipe
Inv. Out = 285.18'

471 In Pl. Metal Grate
Rim = 291.32'
(a) Inv. In = 285.44'
(b) Inv. In = 285.44'
In Pl. 18" Conc. Pipe
Inv. Out = 285.40'

472 In Pl. Metal Grate
Rim = 290.24'
In Pl. 18" Conc. Pipe
Inv. Out = 285.99'

473 In Pl. Metal Grate
Rim = 290.99'
Inv. In = 287.42'
In Pl. 18" Conc. Pipe
Inv. Out = 287.37'

474 In Pl. Metal Grate
Rim = 290.97'
In Pl. 18" Conc. Pipe
Inv. Out = 287.97'

475 In Pl. Headwall
In Pl. 72" Conc. Pipe
(a) Inv. = 274.79'
In Pl. 6'(h) x 8'(w) Box Culvert
(b) Inv. = 274.66'
In Pl. 6'(h) x 8'(w) Box Culvert
(c) Inv. = 274.70'

476 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 283.64'

477 In Pl. Metal Grate
Rim = 291.93'
Inv. In = 286.93'
In Pl. 18" Conc. Pipe
Inv. Out = 285.43'

478 In Pl. Metal Grate
Rim = 296.70'
In Pl. 18" Conc. Pipe
Inv. Out = 285.43'

479 In Pl. Endwall
In Pl. 60" Conc. Pipe
Inv. = 287.48'

480 In Pl. SSMH
Rim = 307.51'
Inv. Inaccessible
In Pl. 60" Conc. Pipe
Bottom of Structure = 289.40' +/-

481 In Pl. Metal Grate
Rim = 298.54'
In Pl. 18" Conc. Pipe
Inv. Out = 289.29'

482 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 291.78'

483 In Pl. Metal Grate
In Pl. 18" Conc. Pipe
Inv. Out = 298.71'

484 In Pl. Endwall
In Pl. 24" Conc. Pipe
Inv. = 312.18'

485 In Pl. SSMH
Rim = 321.51'
(a) Inv. In = 313.84'
(b) Inv. In = 313.84'
In Pl. 24" Conc. Pipe

486 In Pl. Metal Grate
Rim = 322.50'
In Pl. 18" Conc. Pipe
Inv. Out = 316.40'

487 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 323.90'

488 In Pl. Metal Grate
Rim = 330.56'
Inv. In = 323.84'
In Pl. 18" Conc. Pipe
Inv. Out = 323.81'

489 In Pl. Metal Grate
Rim = 330.80'
In Pl. 18" Conc. Pipe
Inv. Out = 327.10'

490 In Pl. SSMH
Rim = 330.98'
(a) Inv. In = 324.25'
(b) Inv. In = 324.26'
In Pl. 18" Conc. Pipe
Inv. Out = 324.25'

491 In Pl. Metal Grate
Rim = 330.68'
In Pl. 18" Conc. Pipe
Inv. Out = 325.96'

492 In Pl. SSMH
Rim = 329.58'
Inv. In = 325.28'
In Pl. 18" Conc. Pipe
Inv. Out = 325.52'

493 In Pl. Metal Grate
Rim = 329.12'
In Pl. 18" Conc. Pipe
Inv. Out = 325.52'

494 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 268.94'

495 In Pl. Metal Grate
Rim = 288.76'
In Pl. 18" Conc. Pipe
Inv. Out = 273.86'

496 In Pl. Metal Grate
Rim = 270.40'
Bottom of Structure = 268.55'

497 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 273.81'

498 In Pl. Metal Grate
Rim = 284.92'
Inv. In = 279.62'
In Pl. 18" Conc. Pipe
Inv. Out = 274.42'

499 In Pl. Metal Grate
Rim = 290.34'
In Pl. 18" Conc. Pipe
Inv. Out = 285.44'

500 In Pl. Metal Grate
Rim = 286.43'
In Pl. 18" Conc. Pipe
Inv. Out = 273.03'

501 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 272.68'

502 In Pl. Metal Grate
Rim = 281.40'
In Pl. 18" Conc. Pipe
Inv. Out = 275.57'

503 In Pl. Metal Grate
Rim = 279.96'
Inv. In = 275.21'
In Pl. 18" Conc. Pipe
Inv. Out = 275.16'

504 In Pl. Metal Grate
Rim = 276.51'
Inv. In = 271.76'
In Pl. 18" Conc. Pipe
Inv. Out = 271.66'

505 In Pl. Metal Grate
Rim = 277.68'
(a) Inv. In = 269.68'
(b) Inv. In = 269.68'
Bottom of Structure = 253.98'

506 In Pl. Metal Grate
Rim = 278.51'
Same Str. As C164

507 In Pl. Metal Grate
Rim = 277.62'
Inv. In = 270.72'
In Pl. 18" Conc. Pipe
Inv. Out = 270.42'

508 In Pl. Metal Grate
Rim = 279.05'
Inv. In = 272.65'
In Pl. 18" Conc. Pipe
Inv. Out = 272.55'

509 In Pl. Metal Grate
Rim = 284.54'
In Pl. 18" Conc. Pipe
Inv. Out = 279.34'

510 In Pl. Metal Grate
Rim = 277.98'
Inv. In = 272.34'
In Pl. 18" Conc. Pipe
Inv. Out = 270.68'

NOVA DISTRICT

12/16/2022

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER_VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE_Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Survey Drainage Descriptions

REVISED	STATE	STATE		SHEET NO.
		ROUTE	VDOT PROJECT NO.	
	VA.	495	0495-029-419 C501 RW201	IF(8) AREA 1

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

511 In Pl. Metal Grate
Rim = 278.14'
Inv. In = 272.44'
In Pl. 18" Conc. Pipe
Inv. Out = 270.74'

512 In Pl. Metal Grate
Rim = 278.23'
In Pl. 18" Conc. Pipe
Inv. Out = 273.53'

513 In Pl. Endwall
In Pl. 30" Conc. Pipe
Inv. = 256.18'

514 In Pl. Metal Grate
Rim = 272.23'
Inv. In = 264.48'
In Pl. 30" Conc. Pipe
Inv. Out = 264.48'

515 In Pl. Metal Grate
Rim = 271.99'
Inv. In = 265.54'
In Pl. 30" Conc. Pipe
Inv. Out = 265.49'

516 In Pl. Metal Grate
Rim = 272.25'
Inv. In = 265.65'
In Pl. 30" Conc. Pipe
Inv. Out = 265.61'

517 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. Out = 259.92'

518 In Pl. Metal Grate
Rim = 273.88'
In Pl. 18" Conc. Pipe
Inv. Out = 260.88'

519 In Pl. Headwall
In Pl. 8'(w) x 6'(h) Box Culvert
Inv. = 253.98'

520 In Pl. Metal Grate
Rim = 274.58'
Inv. In = 267.48'
In Pl. 18" Conc. Pipe
Inv. Out = 267.41'

521 In Pl. Metal Grate
Rim = 275.66'
Same As Str. C178

522 In Pl. Metal Grate
Rim = 274.65'
(a) Inv. In = 266.65'
(b) Inv. In = 268.25'
In Pl. 30" Conc. Pipe
Inv. Out = 266.65'

523 In Pl. Metal Grate
Rim = 274.72'
Inv. In = 268.52'
In Pl. 24" Conc. Pipe
Inv. Out = 268.62'

524 In Pl. SSMH
Rim = 292.25'
Inv. In = 283.15'
In Pl. 24" Conc. Pipe
Inv. Out = 269.75'

525 In Pl. Metal Grate
Rim = 298.15'
Inv. In = 294.65'
In Pl. 24" Conc. Pipe
Inv. Out = 286.98'

526 In Pl. F.E.S
In Pl. 18" Conc. Pipe
Inv. = 295.07'

527 In Pl. Metal Grate
Rim = 276.94'
In Pl. 18" Conc. Pipe
Inv. Out = 272.24'

528 In Pl. Metal Grate
Rim = 278.35'
Inverts Inaccessible
Str. Full Of Debris

529 In Pl. Metal Grate
Rim = 278.79'
Inverts Inaccessible
Str. Full Of Debris

530 In Pl. Headwall
In Pl. 24" Conc. Pipe
Inv. = 301.70'

531 In Pl. SSMH
Rim = 307.51
(a) Inv. In = 302.01
(b) Inv. In = 299.51
In Pl. 36" Conc. Pipe
Inv. Out = 292.51

532 In Pl. SSMH
Rim = 304.11
Inv. In = 293.34'
In Pl. 39" Plastic Pipe
Inv. Out = 289.89'

533 In Pl. Endwall
In Pl. 39" Plastic Pipe
Inv.Out = 289.74'

1005 In Pl. Metal Grate
Rim = 308.77'
Inv. In = 301.52'
In Pl. 36" Conc. Pipe
Inv. Out = 301.47'

535 In Pl. Metal Grate
Rim = 309.43'
(a) Inv. In = 304.28'
In Pl. 18" Plastic Pipe
(b) Inv. In = 302.58'
In Pl. 36" Conc. Pipe
Inv. Out = 302.48'
In Pl. 36" Conc. Pipe

536 In Pl. Metal Grate
Rim = 309.68'
Inv. In = 304.38'
In Pl. 36" Conc. Pipe
Inv. Out = 304.35'

537 In Pl. Headwall
In Pl. 54" Conc. Pipe
Inv. = 289.75'

538 In Pl. SSMH
Rim = 296.89'
Inv. In = 288.39'
In Pl. 54" Conc. Pipe
Inv. Out = 281.04'

539 In Pl. F.E.S
In Pl. 54" Conc. Pipe
Inv. = 280.99'

540 In Pl. F.E.S
In Pl. 27" Conc. Pipe
Inv. = 283.54'

541 In Pl. SSMH
Rim = 292.36'
(a) Inv. In = 284.68''
In Pl. 27" Conc. Pipe
(b) Inv. In = 284.46''
In Pl. 18" Conc. Pipe
Inv. Out = 283.62'

542 In Pl. SSMH
Rim = 308.26'
Inv. In = 286.96'
In Pl. 27" Conc. Pipe
Inv. Out = 286.91'

543 In Pl. Metal Grate
Rim = 297.22'
Inv. In = 288.14'
In Pl. 36" Conc. Pipe
Inv. Out = 288.10'

544 In Pl. Metal Grate
Rim = 300.82'
(a) Inv. In = 290.22'
(b) Inv. In = 296.07
In Pl. 18" Conc. Pipe
Inv. Out = 290.12'

545 In Pl. Metal Grate
Rim = 297.56'
In Pl. 18" Conc. Pipe
Inv. Out = 292.26'

546 In Pl. Metal Grate
Rim = 302.48'
In Pl. 18" Conc. Pipe
Inv. Out = 298.28'

547 In Pl. SSMH
Rim = 291.89'
Inv. In = 286.13'
In Pl. 18" Conc. Pipe
Inv. Out = 286.09'

548 In Pl. SSMH
Rim = 319.52'
Inv. In = 313.02'
In Pl. 18" Conc. Pipe
Inv. Out = 295.96'

549 In Pl. SSMH
Rim = 328.45'
(a) Inv. In = 321.20'
(b) Inv. In = 320.55'
In Pl. 18" Conc. Pipe
Inv. Out = 313.85'

550 In Pl. Metal Grate
Rim = 327.44'
Inv. In = 321.60'
In Pl. 18" Conc. Pipe
Inv. Out = 321.54'

551 In Pl. Metal Grate
Rim = 328.90'
Inv. In = 322.70'
In Pl. 18" Conc. Pipe
Inv. Out = 322.60'

552 In Pl. SSMH
Rim = 330.95'
Inv. In = 323.45'
In Pl. 18" Conc. Pipe
Inv. Out = 323.35'

553 In Pl. Metal Grate
Rim = 330.55'
In Pl. 18" Conc. Pipe
Inv. Out = 324.55'

554 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv.Out = 292.96'

555 In Pl. Metal Grate
Rim = 300.75'
Inv. In = 295.50'
In Pl. 18" Conc. Pipe
Inv. Out = 293.68'

556 In Pl. Metal Grate
Rim = 299.99
In Pl. 18" Conc. Pipe
Inv. Out = 295.99'

557 In Pl. Endwall
In Pl. 36" Conc. Pipe
Inv.Out = 291.12'

558 In Pl. SSMH
Rim = 300.04'
(a) Inv. In = 293.24'
(b) Inv. In = 292.09'
In Pl. 36" Conc. Pipe
Inv. Out = 292.06'

559 In Pl. Metal Grate
Rim = 299.88'
Inv. In = 294.60'
In Pl. 18" Conc. Pipe
Inv. Out = 294.56'

560 In Pl. Metal Grate
Rim = 299.96'
Inv. In = 295.94'
In Pl. 18" Conc. Pipe
Inv. Out = 295.89'

561 In Pl. Metal Grate (2)
Rim = 300.75' (North)
Rim = 304.68' (South)
(a) Inv. In = 294.48'
(b) Inv. In = 293.85'
(c) Inv. In = 294.42
In Pl. 36" Conc. Pipe
Inv. Out = 292.88'

562 In Pl. Metal Grate
Rim = 300.81'
In Pl. 18" Conc. Pipe
Inv. Out = 295.43'

563 In Pl. Metal Grate
Rim = 304.17'
In Pl. 18" Conc. Pipe
Inv. Out = 299.34'

564 In Pl. Metal Grate
Rim = 301.19'
In Pl. 27" Conc. Pipe
Inv. Out = 295.49'

565 In Pl. Metal Grate
Rim = 301.25'
Inv. In = 296.75'
In Pl. 18" Conc. Pipe
Inv. Out = 296.65'

566 In Pl. Metal Grate
Rim = 302.16'
(a) Inv. In = 298.18'
(b) Inv. In = 298.18'
In Pl. 18" Conc. Pipe
Inv. Out = 298.14'

567 In Pl. Metal Grate
Rim = 302.54'
In Pl. 18" Conc. Pipe
Inv. Out = 299.54'

568 In Pl. Metal Grate
Rim = 303.12'
In Pl. 18" Conc. Pipe
Inv. Out = 299.42'

569 In Pl. Conc.Riser
Top = 283.97'
In Pl.12'(w) x 1'(h) Wier
Inv. = 281.00'
In Pl. 4" Weep Hole
Inv. = 278.51'
(a) In Pl. 30" Conc. Pipe
Inv. Out = 278.05'
(b) In Pl. 30" Conc.Pipe
Inv. Out = 278.09'

570 In Pl. Metal Grate
Rim = 289.89'
Inv. In = 273.82'
In Pl. 30" Conc. Pipe
Inv. Out = 273.77'

571 In Pl. Endwall
In Pl. 30" Conc. Pipe
(a) Inv. = 265.19'
In Pl. 30" Conc. Pipe
(b) Inv. = 265.15'

572 In Pl. 18" Conc. Pipe
Inv. = 276.18'

573 In Pl. Metal Grate
Rim = 286.10'
In Pl. 18" Conc. Pipe
Inv. Out = 278.90'

574 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 316.42'

575 In Pl. Metal Grate
Rim = 323.62'
Inv. In = 316.72'
In Pl. 18" Conc. Pipe
Inv. Out = 316.67'

576 In Pl. Metal Grate
Rim = 322.82'
In Pl. 18" Conc. Pipe
Inv. Out = 317.72'

577 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 316.63'

578 In Pl. Metal Grate
Rim = 328.08'
Inv. In = 320.68'
In Pl. 18" Conc. Pipe
Inv. Out = 318.08'

579 In Pl. Metal Grate
Rim = 326.92'
In Pl. 18" Conc. Pipe
Inv. Out = 321.92'

580 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 295.02'

581 In Pl. Metal Grate
Rim = 299.85
Inv. In = 295.27'
In Pl. 18" Conc. Pipe
Inv. Out = 295.23'

582 In Pl. Metal Grate
Rim = 298.81
In Pl. 18" Conc. Pipe
Inv. Out = 295.91'

583 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 304.90'

584 In Pl. Metal Grate
Rim = 311.27'
Inv. In = 305.2' +/-
In Pl. 18" Conc. Pipe
Inv. Out = 305.1' +/-
(Structure Has Debris)

585 In Pl. Metal Grate
Rim = 310.62'
In Pl. 18" Conc. Pipe
Inv. Out = 306.1 +/-
(Structure Has Debris)

586 In Pl. Endwall
In Pl. 24" Conc. Pipe
Inv. = 262.07'

587 In Pl. FES
In Pl. 24" Conc. Pipe
Inv. = 268.12'

588 In Pl. Endwall
In Pl. 7'(h)x 10'(w) Box Culvert
(a) Inv. = 263.90'
In Pl. 7'(h)x 10'(w) Box Culvert
(b) Inv. = 263.84'

589 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 286.59'

590 In Pl. Metal Grate
Rim = 293.52'
In Pl. 18" Conc. Pipe
Inv. Out = 287.42'

591 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 286.52'

592 In Pl. Metal Grate
Rim = 291.77'
In Pl. 18" Conc. Pipe
Inv. Out = 286.97'

593 In Pl. Endwall
In Pl. 48" Conc. Pipe
Inv. = 278.91'

594 In Pl. Headwall
In Pl. 48" Conc. Pipe
Inv. = 285.75'

595 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 275.97'

596 In Pl. Metal Grate
Rim = 285.50'
In Pl. 18" Conc. Pipe
Inv. Out = 277.20'

597 In Pl. Headwall
In Pl. 8'(h)x 8'(w) Box Culvert
(a) Inv. = 260.92'
In Pl. 8'(h)x 8'(w) Box Culvert
(b) Inv. = 260.80'

598 In Pl. FES
In Pl. 24" Conc. Pipe
Inv. = 270.13'

599 In Pl. SSMH
Rim = 281.71'
Inv. In = 273.21'
In Pl. 24" Conc. Pipe
Inv. Out = 272.11'

600 In Pl. Metal Grate
Rim = 281.46'
Inv. In = 273.65'
In Pl. 18" Conc. Pipe
Inv. Out = 273.60'

601 In Pl. Metal Grate
Rim = 281.38'
Inv. In = 274.53'
In Pl. 18" Conc. Pipe
Inv. Out = 274.48'

602 In Pl. Metal Grate
Rim = 281.79'
Inv. In = 275.01'
In Pl. 18" Conc. Pipe
Inv. Out = 274.96'

603 In Pl. SSMH
Rim = 280.31'
(a) Inv. In = 274.93'
(b) Inv. In = 274.93'
In Pl. 18" Conc. Pipe
Inv. Out = 274.91'

604 In Pl. Metal Grate
Rim = 279.67'
In Pl. 18" Conc. Pipe
Inv. Out = 275.27'

605 In Pl. Metal Grate
Rim = 280.23'
Inv. In = 275.75'
In Pl. 18" Conc. Pipe
Inv. Out = 275.70'

606 In Pl. Metal Grate
Rim = 280.23'
In Pl. 18" Conc. Pipe
Inv. Out = 276.19'

607 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 275.35'

608 In Pl. SSMH
Rim = 283.29'
(a) Inv. In = 280.79'
(b) Inv. In = 276.84'
In Pl. 18" Conc. Pipe
Inv. Out = 276.79'

609 In Pl. Metal Grate
Inaccessible

610 In Pl. Metal Grate
Rim = 281.34'
In Pl. 15" Conc. Pipe
Inv. Out = 277.15'

611 In Pl. Endwall
In Pl. 8'(h)x 8'(w) Box Culvert
(a) Inv. = 265.45'
In Pl. 8'(h)x 8'(w) Box Culvert
(b) Inv. = 265.38'

612 In Pl. Headwall
In Pl. 8'(h)x 8'(w) Box Culvert
(a) Inv. = 266.51'
In Pl. 8'(h)x 8'(w) Box Culvert
(b) Inv. = 266.58'

613 In Pl. Endwall
In Pl. 18" Conc. Pipe
Inv. = 280.68'

614 In Pl. Metal Grate
Rim = 288.68'
In Pl. 18" Conc. Pipe
Inv. Out = 283.34'

615 In Pl. Endwall
In Pl. 24" Conc. Pipe
Inv. = 280.68'

616 In Pl. Metal Grate
Rim = 283.98'
In Pl. 24" Conc. Pipe
Inv. Out = 273.28'

617 In Pl. Endwall
In Pl. 60" Conc. Pipe
(a) Inv. = 268.25'
In Pl. 4'(h)x 7'(w) Box Culvert
(b) Inv. = 268.29'
In Pl. 4'(h)x 7'(w) Box Culvert
(c) Inv. = 268.44'

618 In Pl. Endwall
In Pl. 72" Conc. Pipe
(a) Inv. = 270.39'
In Pl. 6'(h)x 8'(w) Box Culvert
(b) Inv. = 270.53'
In Pl. 6'(h)x 8'(w) Box Culvert
(c) Inv. = 270.57'

619 In Pl. SSMH
Rim = 292.79'
(a) Inv. In = 286.19'
(b) Inv. In = 286.19'
In Pl. 6'(h)x 8'(w) Box Culvert
Inv. = 272.44'

620 In Pl. Metal Grate
Rim = 290.55'
In Pl. 18" Conc. Pipe
Inv. Out = 287.20'

621 In Pl. Metal Grate
Rim = 290.33'
In Pl. 18" Conc. Pipe
Inv. Out = 287.38'

622 In Pl. Metal Grate
Rim = 285.24'
In Pl. 24" Plastic Pipe Pipe
Inv. Out = 276.48'
(direct connect to 6'(h)x 8'(w) Box Culvert)

623 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 329.18'

624 In Pl. Metal Grate
Rim = 334.27'
In Pl. 18" Conc. Pipe
Inv. Out = 329.77'

625 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 327.94'

626 In Pl. Metal Grate
Rim = 336.34'
(a) Inv. In = 328.47'
(b) Inv. In = 331.31'
In Pl. 18" Conc. Pipe
Inv. Out = 328.44'

627 In Pl. Metal Grate
Rim = 334.17'
In Pl. 18" Conc. Pipe
Inv. Out = 329.32'

628 In Pl. Metal Grate
Rim = 337.29'
In Pl. 18" Conc. Pipe
Inv. Out = 332.14'

629 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 321.55'

630 In Pl. Metal Grate
Rim = 331.54'
Inv. In = 323.14'
In Pl. 18" Conc. Pipe
Inv. Out = 322.54'

631 In Pl. Metal Grate
Rim = 331.69
Inv. In = 324.37'
In Pl. 18" Conc. Pipe
Inv. Out = 324.34'

632 In Pl. Metal Grate
Rim = 332.20'
(a) Inv. In = 324.80'
(b) Inv. In = 324.80'
In Pl. 18" Conc. Pipe
Inv. Out = 324.75'

633 In Pl. Metal Grate
Rim = 330.32'
Inv. In = 325.65'
In Pl. 18" Conc. Pipe
Inv. Out = 325.60'

634 In Pl. Metal Grate
Rim = 334.12'
In Pl. 18" Conc. Pipe
Inv. Out = 326.27'

635 In Pl. Metal Grate
Rim = 332.23'
Inv. In = 325.53'
In Pl. 18" Conc. Pipe
Inv. Out = 325.48'

636 In Pl. Metal Grate
Rim = 332.28'
In Pl. 18" Conc. Pipe
Inv. Out = 326.93'

637 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 317.66'

638 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 317.66'

639 In Pl. Metal Grate
Rim = 337.61'
In Pl. 18" Conc. Pipe
Inv. Out = 321.31'

640 In Pl. Metal Grate
Rim = 337.69'
In Pl. 18" Conc. Pipe
Inv. Out = 326.69'

641 In Pl. Endwall
In Pl. 8'(h)x 8'(w) Box Culvert
(a) Inv. = 259.01'
In Pl. 8'(h)x 8'(w) Box Culvert
(b) Inv. = 259.24'

642 In Pl. FES
In Pl. 24" Conc. Pipe
Inv. = 283.49'

643 In Pl. Metal Grate
Rim = 288.39'
Inv. In = 284.02'
In Pl. 24" Conc. Pipe
Inv. Out = 383.99'

644 In Pl. Metal Grate
Rim = 288.31'
Inv. In = 334.67'
In Pl. 24" Conc. Pipe
Inv. Out = 284.60'

645 In Pl. Metal Grate
Rim = 288.56'
Inv. In = 285.06'
In Pl. 18" Conc. Pipe
Inv. Out = 285.02'

646 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 302.92'

647 In Pl. Metal Grate
Rim = 308.40'
In Pl. 18" Conc. Pipe
Inv. Out = 303.50'

648 In Pl. Metal Grate
Rim = 327.25'
Inv. In = 322.23'
In Pl. 18" Conc. Pipe
Inv. Out = 322.21'

649 In Pl. Metal Grate
Rim = 327.88'
In Pl. 18" Conc. Pipe
Inv. Out = 322.93'

650 In Pl. Metal Grate
Rim = 288.94'
In Pl. 18" Conc. Pipe
Inv. Out = 277.04'

651 In Pl. End Wall
In Pl. 18" Conc. Pipe
Inv. = 289.35'

652 In Pl. Head Wall
In Pl. 18" Conc. Pipe
Inv. = 289.91'

653 In Pl. Metal Grate
Rim = 291.36'
In Pl. 18" Conc. Pipe
Inv. Out = 286.26'

654 In Pl. Metal Grate
Rim = 290.88'
Inv. In = 285.88'
In Pl. 18" Conc. Pipe
Inv. Out = 285.86'

655 In Pl. FES
In Pl. 18" Conc. Pipe
Inv. = 283.08'

656 In Pl. Metal Grate
Inaccessible

657 In Pl. Metal Grate
Inaccessible

658 In Pl. Metal Grate
Rim = 310.04'In Pl. 15" Conc. Pipe
Inv. In = 304.54'
In.Pl.38 x 60 Conc.Pipe
Inv. In = 304.34'
In Pl. 15" Conc. Pipe
Inv. Out = 304.29'

659 In Pl. FES
In Pl. 15" Conc. Pipe
Inv. = 303.53'

NOVA DISTRICT

12/16/2022

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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-_Roo Jakomaloh, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	IF(9) AREA 1

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

Survey Drainage Descriptions

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'

36212 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 = 253.14'
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. 5.8'(h)x 4.8'(w) Box Culvert
(a) Inv. = 264.02'
In Pl. 5.8'(h)x 4.8'(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

12/16/2022

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	IF(9) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021) _____
DESIGN BY _RDA_ - Darell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651)_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

CONSTRUCTION ALIGNMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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

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

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

Beginning chain DTR_EB description

Curve Data

Curve DTR_EB1
P.I. Station 17+70.88 N 464,104.02 E 3,645,198.08
Delta = 22° 45' 59.39" (RT)
Degree = 1° 29' 47.00"
Tangent = 770.88
Length = 1,521.43
Radius = 3,828.94
External = 76.83
Long Chord = 1,511.44
Mid. Ord. = 75.32
P.C. Station 10+00.00 N 464,024.07 E 3,644,431.36
P.T. Station 25+21.43 N 463,881.03 E 3,645,936.01
C.C. N 460,215.78 E 3,644,828.44
Back = N 84° 02' 50.63" E
Ahead = S 73° 11' 09.99" E
Chord Bear = S 84° 34' 09.68" E

Curve Data

Curve DTR_EB2
P.I. Station 29+31.36 N 463,762.45 E 3,646,328.42
Delta = 7° 23' 14.46" (RT)
Degree = 0° 54' 08.26"
Tangent = 409.93
Length = 818.73
Radius = 6,350.01
External = 13.22
Long Chord = 818.16
Mid. Ord. = 13.19
P.C. Station 25+21.43 N 463,881.03 E 3,645,936.01
P.T. Station 33+40.16 N 463,594.40 E 3,646,702.32
C.C. N 457,802.49 E 3,644,099.18
Back = S 73° 11' 09.99" E
Ahead = S 65° 47' 55.53" E
Chord Bear = S 69° 29' 32.76" E

Course from PT DTR_EB2 to DTREB2 S 65° 47' 55.53" E Dist 661.86

Point DTREB2 N 463,323.08 E 3,647,306.01 Sta 40+02.02

Ending chain DTR_EB description

Beginning chain DTR_E3 description

Point 3003 N 462,557.68 E 3,649,578.90 Sta 9+30.55

Course from 3003 to PC DTR_E31 N 60° 27' 46.07" W Dist 197.88

Curve Data

Curve DTR_E31
P.I. Station 13+31.65 N 462,755.42 E 3,649,229.93
Delta = 7° 42' 34.58" (LT)
Degree = 1° 53' 59.02"
Tangent = 203.22
Length = 405.83
Radius = 3,016.00
External = 6.84
Long Chord = 405.52
Mid. Ord. = 6.82
P.C. Station 11+28.43 N 462,655.24 E 3,649,406.73
P.T. Station 15+34.26 N 462,830.98 E 3,649,041.28
C.C. N 460,031.21 E 3,647,919.88
Back = N 60° 27' 46.07" W
Ahead = N 68° 10' 20.65" W
Chord Bear = N 64° 19' 03.36" W

Course from PT DTR_E31 to PC DTR_E32 N 68° 10' 20.65" W Dist 514.08

Curve Data

Curve DTR_E32
P.I. Station 23+99.65 N 463,152.75 E 3,648,237.92
Delta = 60° 41' 58.23" (RT)
Degree = 9° 32' 57.47"
Tangent = 351.31
Length = 635.64
Radius = 600.00
External = 95.28
Long Chord = 606.33
Mid. Ord. = 82.23
P.C. Station 20+48.34 N 463,022.13 E 3,648,564.05
P.T. Station 26+83.99 N 463,501.08 E 3,648,192.23
C.C. N 463,579.11 E 3,648,787.14
Back = N 68° 10' 20.65" W
Ahead = N 7° 28' 22.43" W
Chord Bear = N 37° 49' 21.54" W

Ending chain DTR_E3 description

Beginning chain DTR_RMP_E4 description

Curve Data

Curve DTR_RMP_E4-1
P.I. Station 13+36.58 N 464,006.13 E 3,645,143.60
Delta = 13° 35' 36.43" (RT)
Degree = 2° 01' 44.01"
Tangent = 336.58
Length = 669.99
Radius = 2,823.99
External = 19.99
Long Chord = 668.42
Mid. Ord. = 19.85
P.C. Station 10+00.00 N 464,011.66 E 3,644,807.06
P.T. Station 16+69.99 N 463,921.66 E 3,645,469.40
C.C. N 461,188.05 E 3,644,760.68
Back = S 89° 03' 32.18" E
Ahead = S 75° 27' 55.74" E
Chord Bear = S 82° 15' 43.96" E

Course from PT DTR_RMP_E4-1 to PC DTR_RMP_E4-2 S 75° 27' 55.74" E Dist 531.30

Curve Data

Curve DTR_RMP_E4-2
P.I. Station 25+10.14 N 463,710.82 E 3,646,282.66
Delta = 33° 04' 47.78" (RT)
Degree = 5° 30' 33.15"
Tangent = 308.85
Length = 600.45
Radius = 1,040.00
External = 44.89
Long Chord = 592.14
Mid. Ord. = 43.03
P.C. Station 22+01.29 N 463,788.33 E 3,645,983.69
P.T. Station 28+01.74 N 463,482.69 E 3,646,490.86
C.C. N 462,781.61 E 3,645,722.69
Back = S 75° 27' 55.74" E
Ahead = S 42° 23' 07.97" E
Chord Bear = S 58° 55' 31.86" E

Course from PT DTR_RMP_E4-2 to PC DTR_RMP_E4-3 S 42° 23' 07.97" E Dist 1,070.43

Curve Data

Curve DTR_RMP_E4-3
P.I. Station 40+25.32 N 462,578.93 E 3,647,315.70
Delta = 67° 18' 57.59" (RT)
Degree = 24° 54' 40.35"
Tangent = 153.15
Length = 270.22
Radius = 230.00
External = 46.32
Long Chord = 254.95
Mid. Ord. = 38.56
P.C. Station 38+72.17 N 462,692.04 E 3,647,212.46
P.T. Station 41+42.39 N 462,440.05 E 3,647,251.14
C.C. N 462,537.00 E 3,647,042.57
Back = S 42° 23' 07.97" E
Ahead = S 24° 55' 49.62" W
Chord Bear = S 8° 43' 39.17" E

Course from PT DTR_RMP_E4-3 to 15142 S 24° 55' 49.62" W Dist 198.99

Point 15142 N 462,259.60 E 3,647,167.26 Sta 43+41.39

Ending chain DTR_RMP_E4 description

Beginning chain DTR_RMP_G3 description

Curve Data

Curve DTR_RMP_G3-1
P.I. Station 22+12.86 N 463,725.06 E 3,646,313.10
Delta = 29° 31' 16.20" (RT)
Degree = 5° 33' 45.71"
Tangent = 271.38
Length = 530.70
Radius = 1,030.00
External = 35.15
Long Chord = 524.85
Mid. Ord. = 33.99
P.C. Station 19+41.48 N 463,809.08 E 3,646,055.05
P.T. Station 24+72.17 N 463,524.79 E 3,646,496.24
C.C. N 462,829.70 E 3,645,736.15
Back = S 71° 57' 49.30" E
Ahead = S 42° 26' 33.11" E
Chord Bear = S 57° 12' 11.21" E

Course from PT DTR_RMP_G3-1 to PC DTR_RMP_G3-2 S 42° 26' 33.11" E Dist 684.01

Curve Data

Curve DTR_RMP_G3-2
P.I. Station 34+36.99 N 462,812.80 E 3,647,147.35
Delta = 3° 03' 49.93" (LT)
Degree = 0° 32' 44.43"
Tangent = 280.81
Length = 561.48
Radius = 10,500.00
External = 3.75
Long Chord = 561.42
Mid. Ord. = 3.75
P.C. Station 31+56.18 N 463,020.02 E 3,646,957.84
P.T. Station 37+17.67 N 462,616.00 E 3,647,347.65
C.C. N 470,105.95 E 3,654,706.36
Back = S 42° 26' 33.11" E
Ahead = S 45° 30' 23.03" E
Chord Bear = S 43° 58' 28.07" E

Curve Data

Curve DTR_RMP_G3-3
P.I. Station 37+89.62 N 462,565.57 E 3,647,398.98
Delta = 23° 45' 50.59" (LT)
Degree = 16° 45' 11.35"
Tangent = 71.96
Length = 141.85
Radius = 342.00
External = 7.49
Long Chord = 140.83
Mid. Ord. = 7.33
P.C. Station 37+17.67 N 462,616.00 E 3,647,347.65
P.T. Station 38+59.51 N 462,540.10 E 3,647,466.28
C.C. N 462,859.96 E 3,647,587.34
Back = S 45° 30' 23.03" E
Ahead = S 69° 16' 13.62" E
Chord Bear = S 57° 23' 18.33" E

Curve Data

Curve DTR_RMP_G3-4
P.I. Station 42+99.12 N 462,384.50 E 3,647,877.43
Delta = 89° 33' 31.75" (LT)
Degree = 12° 56' 00.90"
Tangent = 439.60
Length = 692.45
Radius = 443.00
External = 181.10
Long Chord = 624.08
Mid. Ord. = 128.55
P.C. Station 38+59.51 N 462,540.10 E 3,647,466.28
P.T. Station 45+51.97 N 462,794.43 E 3,648,036.19
C.C. N 462,954.42 E 3,647,623.09
Back = S 69° 16' 13.62" E
Ahead = N 21° 10' 14.62" E
Chord Bear = N 65° 57' 00.50" E

Curve Data

Curve DTR_RMP_G3-5
P.I. Station 46+12.74 N 462,851.10 E 3,648,058.14
Delta = 19° 09' 46.70" (LT)
Degree = 15° 54' 55.78"
Tangent = 60.77
Length = 120.40
Radius = 360.00
External = 5.09
Long Chord = 119.84
Mid. Ord. = 5.02
P.C. Station 45+51.97 N 462,794.43 E 3,648,036.19
P.T. Station 46+72.37 N 462,911.83 E 3,648,060.26
C.C. N 462,924.45 E 3,647,700.49
Back = N 21° 10' 14.62" E
Ahead = N 2° 00' 27.92" E
Chord Bear = N 11° 35' 21.27" E

Course from PT DTR_RMP_G3-5 to PC DTR_RMP_G3-6 N 2° 00' 27.92" E Dist 355.04

Curve Data

Curve DTR_RMP_G3-6
P.I. Station 52+13.76 N 463,452.89 E 3,648,079.23
Delta = 20° 07' 40.82" (RT)
Degree = 5° 27' 24.27"
Tangent = 186.35
Length = 368.86
Radius = 1,050.00
External = 16.41
Long Chord = 366.97
Mid. Ord. = 16.16
P.C. Station 50+27.41 N 463,266.65 E 3,648,072.70
P.T. Station 53+96.27 N 463,625.51 E 3,648,149.45
C.C. N 463,229.87 E 3,649,122.06
Back = N 2° 00' 27.92" E
Ahead = N 22° 08' 08.75" E
Chord Bear = N 12° 04' 18.34" E

Ending chain DTR_RMP_G3 description

Beginning chain DTR_RMP_D2 description

Point 15133 N 463,552.36 E 3,646,605.14 Sta 10+00.00

Course from 15133 to PC DTR_RMP_D2-1 S 37° 35' 58.89" E Dist 358.20

Curve Data

Curve DTR_RMP_D2-1
P.I. Station 15+12.00 N 463,146.70 E 3,646,917.53
Delta = 2° 12' 09.89" (LT)
Degree = 0° 42' 58.31"
Tangent = 153.80
Length = 307.56
Radius = 8,000.00
External = 1.48
Long Chord = 307.54
Mid. Ord. = 1.48
P.C. Station 13+58.20 N 463,268.56 E 3,646,823.69
P.T. Station 16+65.76 N 463,028.55 E 3,647,015.99
C.C. N 468,149.68 E 3,653,162.04
Back = S 37° 35' 58.89" E
Ahead = S 39° 48' 08.78" E
Chord Bear = S 38° 42' 03.83" E

Curve Data

Curve DTR_RMP_D2-2
P.I. Station 19+29.64 N 462,825.82 E 3,647,184.91
Delta = 2° 37' 44.23" (LT)
Degree = 0° 29' 53.61"
Tangent = 263.88
Length = 527.66
Radius = 11,500.00
External = 3.03
Long Chord = 527.62
Mid. Ord. = 3.03
P.C. Station 16+65.76 N 463,028.55 E 3,647,015.99
P.T. Station 21+93.43 N 462,631.05 E 3,647,362.95
C.C. N 470,390.18 E 3,655,850.93
Back = S 39° 48' 08.78" E
Ahead = S 42° 25' 53.01" E
Chord Bear = S 41° 07' 00.89" E

Curve Data

Curve DTR_RMP_D2-3
P.I. Station 22+73.31 N 462,572.09 E 3,647,416.84
Delta = 29° 49' 13.73" (LT)
Degree = 19° 05' 54.94"
Tangent = 79.88
Length = 156.14
Radius = 300.00
External = 10.45
Long Chord = 154.38
Mid. Ord. = 10.10
P.C. Station 21+93.43 N 462,631.05 E 3,647,362.95
P.T. Station 23+49.57 N 462,547.74 E 3,647,492.92
C.C. N 462,833.47 E 3,647,584.37
Back = S 42° 25' 53.01" E
Ahead = S 72° 15' 06.74" E
Chord Bear = S 57° 20' 29.87" E

Ending chain DTR_RMP_D2 description

Beginning chain DTR_RMP_E1 description

Point 01 N 462,997.21 E 3,646,955.60 Sta 15+79.23

Course from 01 to PC DTR_RMP_E11 S 44° 50' 27.66" E Dist 535.16

Curve Data

Curve DTR_RMP_E11
P.I. Station 22+53.60 N 462,519.04 E 3,647,431.13
Delta = 38° 22' 38.46" (LT)
Degree = 14° 19' 26.20"
Tangent = 139.21
Length = 267.92
Radius = 400.00
External = 23.53
Long Chord = 262.94
Mid. Ord. = 22.22
P.C. Station 21+14.39 N 462,617.75 E 3,647,332.97
P.T. Station 23+82.31 N 462,502.61 E 3,647,569.36
C.C. N 462,899.81 E 3,647,616.59
Back = S 44° 50' 27.66" E
Ahead = S 83° 13' 06.12" E
Chord Bear = S 64° 01' 46.89" E

Curve Data

Curve DTR_RMP_E12
P.I. Station 25+58.23 N 462,481.83 E 3,647,744.04
Delta = 42° 16' 32.79" (LT)
Degree = 12° 35' 32.92"
Tangent = 175.92
Length = 335.72
Radius = 455.00
External = 32.82
Long Chord = 328.16
Mid. Ord. = 30.61
P.C. Station 23+82.31 N 462,502.61 E 3,647,569.36
P.T. Station 27+18.04 N 462,583.97 E 3,647,887.27
C.C. N 462,954.42 E 3,647,623.09
Back = S 83° 13' 06.12" E
Ahead = N 54° 30' 21.09" E
Chord Bear = N 75° 38' 37.48" E

Curve Data

Curve DTR_RMP_E13
P.I. Station 31+68.49 N 462,845.52 E 3,648,254.02
Delta = 61° 58' 43.51" (LT)
Degree = 7° 38' 21.97"
Tangent = 450.46
Length = 811.30
Radius = 750.00
External = 124.88
Long Chord = 772.32
Mid. Ord. = 107.05
P.C. Station 27+18.04 N 462,583.97 E 3,647,887.27
P.T. Station 35+29.34 N 463,292.15 E 3,648,195.43
C.C. N 463,194.60 E 3,647,451.80
Back = N 54° 30' 21.09" E
Ahead = N 7° 28' 22.43" W
Chord Bear = N 23° 30' 59.33" E

Course from PT DTR_RMP_E13 to PC DTR_RMP_E14 N 7° 28' 22.43" W Dist 479.40

Curve Data

Curve DTR_RMP_E14
P.I. Station 41+20.39 N 463,878.18 E 3,648,118.56
Delta = 33° 14' 39.00" (RT)
Degree = 15° 19' 11.02"
Tangent = 111.65
Length = 217.00
Radius = 374.00
External = 16.31
Long Chord = 213.97
Mid. Ord. = 15.63
P.C. Station 40+08.74 N 463,767.48 E 3,648,133.08
P.T. Station 42+25.74 N 463,978.73 E 3,648,167.11
C.C. N 463,816.12 E 3,648,503.91
Back = N 7° 28' 22.43" W
Ahead = N 25° 46' 16.57" E
Chord Bear = N 9° 08' 57.07" E

Course from PT DTR_RMP_E14 to PC DTR_RMP_E15 N 25° 46' 16.57" E Dist 143.25

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"
Tangent = 149.02
Length = 297.97
Radius = 5,410.00
External = 2.05
Long Chord = 297.93
Mid. Ord. = 2.05
P.C. Station 43+68.99 N 464,107.73 E 3,648,229.39
P.T. Station 46+66.96 N 464,379.49 E 3,648,351.49
C.C. N 466,459.88 E 3,643,357.48
Back = N 25° 46' 16.57" E
Ahead = N 22° 36' 55.96" E
Chord Bear = N 24° 11' 36.26" E

VDOT PROJECT NO.	SHEET NO.
0495-029-419	IG AREA I

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

CONSTRUCTION ALIGNMENT

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

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

Beginning chain DTR_WB description
==========

Point 1002 N 462,288.16 E 3,650,125.14 Sta 400+00.00

Course from 1002 to PC DTR_WB-1 N 64° 07' 06.31" W Dist 482.16

Curve Data

Curve DTR_WB-1
P.I. Station 408+15.12 N 462,643.97 E 3,649,391.78
Delta = 18° 59' 16.58" (RT)
Degree = 2° 52' 39.86"
Tangent = 332.96
Length = 659.82
Radius = 1,991.00
External = 27.65
Long Chord = 656.81
Mid. Ord. = 27.27
P.C. Station 404+82.16 N 462,498.63 E 3,649,691.34
P.T. Station 411+41.98 N 462,878.87 E 3,649,155.80
C.C. N 464,289.93 E 3,650,560.44
Back = N 64° 07' 06.31" W
Ahead = N 45° 07' 49.73" W
Chord Bear = N 54° 37' 28.02" W

Course from PT DTR_WB-1 to PC DTR_WB-2 N 45° 07' 49.73" W Dist 370.32

Curve Data

Curve DTR_WB-2
P.I. Station 417+09.42 N 463,279.19 E 3,648,753.65
Delta = 4° 11' 14.26" (LT)
Degree = 1° 03' 45.44"
Tangent = 197.11
Length = 394.05
Radius = 5,391.93
External = 3.60
Long Chord = 393.97
Mid. Ord. = 3.60
P.C. Station 415+12.30 N 463,140.13 E 3,648,893.35
P.T. Station 419+06.35 N 463,407.69 E 3,648,604.17
C.C. N 459,318.79 E 3,645,089.38
Back = N 45° 07' 49.73" W
Ahead = N 49° 19' 03.99" W
Chord Bear = N 47° 13' 26.86" W

Curve Data

Curve DTR_WB-3
P.I. Station 420+38.38 N 463,493.75 E 3,648,504.06
Delta = 7° 05' 30.69" (LT)
Degree = 2° 41' 21.42"
Tangent = 132.02
Length = 263.71
Radius = 2,130.52
External = 4.09
Long Chord = 263.54
Mid. Ord. = 4.08
P.C. Station 419+06.35 N 463,407.69 E 3,648,604.17
P.T. Station 421+70.06 N 463,566.79 E 3,648,394.08
C.C. N 461,792.03 E 3,647,215.36
Back = N 49° 19' 03.99" W
Ahead = N 56° 24' 34.69" W
Chord Bear = N 52° 51' 49.34" W

Ending chain DTR_WB description

Beginning chain DTR_RMP_G10 description
==========

Point 1005 N 463,359.19 E 3,648,695.96 Sta 10+00.00

Course from 1005 to PC DTR_RMP_G10-1 N 48° 14' 48.97" W Dist 185.03

Curve Data

Curve DTR_RMP_G10-1
P.I. Station 13+64.58 N 463,601.97 E 3,648,423.97
Delta = 37° 45' 22.36" (RT)
Degree = 10° 54' 44.01"
Tangent = 179.54
Length = 346.00
Radius = 525.06
External = 29.85
Long Chord = 339.77
Mid. Ord. = 28.24
P.C. Station 11+85.03 N 463,482.41 E 3,648,557.92
P.T. Station 15+31.03 N 463,778.51 E 3,648,391.28
C.C. N 463,874.11 E 3,648,907.57
Back = N 48° 14' 48.97" W
Ahead = N 10° 29' 26.61" W
Chord Bear = N 29° 22' 07.79" W

Curve Data

Curve DTR_RMP_G10-2
P.I. Station 16+52.08 N 463,897.53 E 3,648,369.24
Delta = 14° 10' 06.49" (RT)
Degree = 5° 52' 57.60"
Tangent = 121.04
Length = 240.85
Radius = 973.98
External = 7.49
Long Chord = 240.24
Mid. Ord. = 7.44
P.C. Station 15+31.03 N 463,778.51 E 3,648,391.28
P.T. Station 17+71.88 N 464,018.33 E 3,648,377.01
C.C. N 463,955.85 E 3,649,348.98
Back = N 10° 29' 26.61" W
Ahead = N 3° 40' 39.88" E
Chord Bear = N 3° 24' 23.37" W

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"
Tangent = 106.74
Length = 212.05
Radius = 750.00
External = 7.56
Long Chord = 211.35
Mid. Ord. = 7.48
P.C. Station 17+71.88 N 464,018.33 E 3,648,377.01
P.T. Station 19+83.94 N 464,225.22 E 3,648,420.15
C.C. N 463,970.22 E 3,649,125.46
Back = N 3° 40' 39.88" E
Ahead = N 19° 52' 38.80" E
Chord Bear = N 11° 46' 39.34" E

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

Beginning chain 495GP_NB description
==========

Point NBGP01 N 460,658.94 E 3,646,738.80 Sta 1033+00.00

Course from NBGP01 to PC 495GP_NB1 N 24° 01' 57.55" E Dist 810.40

Curve Data

Curve 495GP_NB1
P.I. Station 1043+39.89 N 461,608.68 E 3,647,162.30
Delta = 3° 53' 44.16" (RT)
Degree = 0° 50' 56.68"
Tangent = 229.49
Length = 458.80
Radius = 6,748.00
External = 3.90
Long Chord = 458.72
Mid. Ord. = 3.90
P.C. Station 1041+10.40 N 461,399.08 E 3,647,068.84
P.T. Station 1045+69.20 N 461,811.44 E 3,647,269.78
C.C. N 458,650.91 E 3,653,231.88
Back = N 24° 01' 57.55" E
Ahead = N 27° 55' 41.71" E
Chord Bear = N 25° 58' 49.63" E

Course from PT 495GP_NB1 to PC 495GP_NB2 N 27° 55' 41.71" E Dist 509.92

Curve Data

Curve 495GP_NB2
P.I. Station 1053+94.41 N 462,540.55 E 3,647,656.28
Delta = 5° 47' 32.96" (LT)
Degree = 0° 55' 09.77"
Tangent = 315.29
Length = 630.04
Radius = 6,232.00
External = 7.97
Long Chord = 629.77
Mid. Ord. = 7.96
P.C. Station 1050+79.12 N 462,261.98 E 3,647,508.61
P.T. Station 1057+09.17 N 462,832.60 E 3,647,775.09
C.C. N 465,180.83 E 3,642,002.43
Back = N 27° 55' 41.71" E
Ahead = N 22° 08' 08.75" E
Chord Bear = N 25° 01' 55.23" E

Course from PT 495GP_NB2 to PC 495GP_NB3 N 22° 08' 08.75" E Dist 1,253.58

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"
Tangent = 324.83
Length = 649.61
Radius = 23,988.00
External = 2.20
Long Chord = 649.59
Mid. Ord. = 2.20
P.C. Station 1069+62.75 N 463,993.78 E 3,648,247.44
P.T. Station 1076+12.36 N 464,592.13 E 3,648,500.33
C.C. N 454,955.04 E 3,670,467.37
Back = N 22° 08' 08.75" E
Ahead = N 23° 41' 14.53" E
Chord Bear = N 22° 54' 41.64" E

Beginning chain 495XL_NB description
Description: 495 NB Express
==========

Point 10000 N 460,670.77 E 3,646,713.42 Sta 529+57.02

Course from 10000 to PC 495XL_NB1 N 24° 01' 57.55" E Dist 258.80

Curve Data

Curve 495XL_NB-0
P.I. Station 535+38.80 N 461,202.12 E 3,646,950.35
Delta = 3° 13' 03.13" (LT)
Degree = 0° 29' 53.61"
Tangent = 322.99
Length = 645.80
Radius = 11,500.00
External = 4.53
Long Chord = 645.72
Mid. Ord. = 4.53
P.C. Station 532+15.82 N 460,907.13 E 3,646,818.82
P.T. Station 538+61.62 N 461,504.02 E 3,647,065.13
C.C. N 465,590.59 E 3,636,315.71
Back = N 24° 01' 57.55" E
Ahead = N 20° 48' 54.42" E
Chord Bear = N 22° 25' 25.99" E

Course from PT 495XL_NB1 to PC 495XL_NB2 N 20° 48' 54.42" E Dist 993.28

Curve Data

Curve 495XL_NB-1
P.I. Station 551+19.03 N 462,679.37 E 3,647,511.96
Delta = 1° 19' 14.33" (RT)
Degree = 0° 15' 00.01"
Tangent = 264.14
Length = 528.25
Radius = 22,918.00
External = 1.52
Long Chord = 528.24
Mid. Ord. = 1.52
P.C. Station 548+54.90 N 462,432.47 E 3,647,418.09
P.T. Station 553+83.15 N 462,924.04 E 3,647,611.48
C.C. N 454,288.48 E 3,668,840.28
Back = N 20° 48' 54.42" E
Ahead = N 22° 08' 08.75" E
Chord Bear = N 21° 28' 31.59" E

Course from PT 495XL_NB-1 to PC 495XL_NB-2 N 22° 08' 08.75" E Dist 256.90

Curve Data

Curve 495XL_NB-2
P.I. Station 558+46.00 N 463,352.78 E 3,647,785.89
Delta = 5° 52' 38.29" (RT)
Degree = 1° 25' 41.20"
Tangent = 205.95
Length = 411.54
Radius = 4,012.00
External = 5.28
Long Chord = 411.36
Mid. Ord. = 5.28
P.C. Station 556+40.05 N 463,162.01 E 3,647,708.29
P.T. Station 560+51.59 N 463,534.60 E 3,647,882.62
C.C. N 461,650.28 E 3,651,424.58
Back = N 22° 08' 08.75" E
Ahead = N 28° 00' 47.04" E
Chord Bear = N 25° 04' 27.90" E

Course from PT 495XL_NB-2 to PC 495XL_NB-3 N 28° 00' 47.04" E Dist 547.30

Curve Data

Curve 495XL_NB-3
P.I. Station 566+60.53 N 464,072.20 E 3,648,168.62
Delta = 0° 29' 13.65" (LT)
Degree = 0° 23' 42.52"
Tangent = 61.64
Length = 123.28
Radius = 14,500.00
External = 0.13
Long Chord = 123.28
Mid. Ord. = 0.13
P.C. Station 565+98.89 N 464,017.78 E 3,648,139.67
P.T. Station 567+22.17 N 464,126.86 E 3,648,197.11
C.C. N 470,828.04 E 3,635,338.48
Back = N 28° 00' 47.04" E
Ahead = N 27° 31' 33.39" E
Chord Bear = N 27° 46' 10.21" E

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

Beginning chain 495XL_SB description
==========

Point 150 N 461,110.64 E 3,646,788.64 Sta 134+08.13

Course from 150 to PC 495XL_SB1 N 14° 14' 20.36" E Dist 694.51

Curve Data

Curve 495XL_SB1
P.I. Station 144+14.69 N 462,086.27 E 3,647,036.22
Delta = 11° 49' 46.38" (RT)
Degree = 1° 54' 08.10"
Tangent = 312.04
Length = 621.87
Radius = 3,012.00
External = 16.12
Long Chord = 620.77
Mid. Ord. = 16.04
P.C. Station 141+02.64 N 461,783.81 E 3,646,959.47
P.T. Station 147+24.51 N 462,366.57 E 3,647,173.35
C.C. N 461,042.96 E 3,649,878.94
Back = N 14° 14' 20.36" E
Ahead = N 26° 04' 06.74" E
Chord Bear = N 20° 09' 13.55" E

Course from PT 495XL_SB1 to PC 495XL_SB2 N 26° 04' 06.74" E Dist 552.60

Curve Data

Curve 495XL_SB2
P.I. Station 156+18.40 N 463,169.52 E 3,647,566.16
Delta = 5° 21' 12.20" (LT)
Degree = 0° 47' 05.55"
Tangent = 341.28
Length = 682.07
Radius = 7,300.00
External = 7.97
Long Chord = 681.82
Mid. Ord. = 7.96
P.C. Station 152+77.11 N 462,862.96 E 3,647,416.19
P.T. Station 159+59.18 N 463,488.74 E 3,647,686.88
C.C. N 466,070.91 E 3,640,858.82
Back = N 26° 04' 06.74" E
Ahead = N 20° 42' 54.54" E
Chord Bear = N 23° 23' 30.64" E

Course from PT 495XL_SB2 to PC 495XL_SB3 N 20° 42' 54.54" E Dist 269.57

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"
Tangent = 319.93
Length = 635.77
Radius = 2,300.00
External = 22.14
Long Chord = 633.75
Mid. Ord. = 21.93
P.C. Station 162+28.76 N 463,740.89 E 3,647,782.24
P.T. Station 168+64.53 N 464,297.13 E 3,648,085.94
C.C. N 462,927.32 E 3,649,933.54
Back = N 20° 42' 54.54" E
Ahead = N 36° 33' 10.89" E
Chord Bear = N 28° 38' 02.71" E

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

NOVA DISTRICT

12/16/2022

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

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

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

UNDERGROUND UTILITIES TEST HOLE INFORMATION

PLAN SHEET	TEST HOLE	DISTANCE (FEET)	(1) STATION & ROADWAY SURVEY BASELINE (N/A)	OWNER	TYPE OF FACILITY	(2) ELEV. (FEET)	(3) CONFLICT YES/NO	(4) REMARKS	UTILITY (5) ADJUSTMENT REQUIRED
6	1	77.24	18+69 RT LEW_RD	1	Not Excavated	N/A	N/A	Not Excavated	N
6	1A	77.24	18+69 RT LEW_RD	1	Not Excavated	N/A	N/A	Not Excavated	N
6	1B	77.24	18+69 RT LEW_RD	1	Not Excavated	N/A	N/A	Not Excavated	N
7	2	45.97	15+86 LT LEW_TRL	1	(3) 2.25" Elec. Cables	268.66	N	No Conflicts	N
7	2A	45.97	15+86 LT LEW_TRL	1	(2) 2.25" Elec. Cables	268.61	N	No Conflicts	N
7	2B	45.97	15+86 LT LEW_TRL	1	(2) 2.25" Elec. Cables	268.86	N	No Conflicts	N
6	3	N/A	N/A	1	Canceled	N/A	N/A	On Bridge	N
9C	4	31.95	14+95 LT ODD	2	0.4" Fiber Cable	261.69	Y	Drainage	Y
9	5	24.77	46+88 LT LEW_TRL	1	Electric	227.42	Y	Drainage	Y
9	5A	24.77	46+88 LT LEW_TRL	1	Electric	227.81	Y	Drainage	Y
9	5B	24.77	46+88 LT LEW_TRL	1	Not Excavated	N/A	Y	Drainage	Y
10	6	19.44	49+90 LT LEW_TRL	1	(3) 8" Elec. Conduits	226.78	N	No Conflicts	N
10	6A	19.44	49+90 LT LEW_TRL	1	Not Excavated	N/A	N	No Conflicts	N
10	6B	19.44	49+90 LT LEW_TRL	1	Not Excavated	N/A	N	No Conflicts	N
13N	7	30.15	20+40 LT GTP	3	(14) 1.5" Fiber Conduits	313.02	Y	Drainage	Y
				3	Fiber Vault	316.73	Y	Drainage	Y
17	8	13.77	40+28 RT LOD	4	8" Water	236.46	Y	Drainage	Y
17	9	14.65	40+54 RT LOD	4	8" Water	235.38	Y	Drainage	Y
5	10	4.76	40+99 LT DTR_RMP_E1	5	None Found	N/A	N	No Conflicts	N
5	10A	4.76	40+99 LT DTR_RMP_E1	5	Sanitary	263.10	N	No Conflicts	N
13N	11	54.98	17+62 RT GTP	6	2" Gas	308.32	N	No Conflicts	N
13N	11A	54.98	17+62 RT GTP	4	12" Water	305.39	N	No Conflicts	N
15	12	17.55	38+16 LT BH_RD	4	8" Water	278.02	N	No Conflicts	N
15	13	19.50	39+20 LT BH_RD	4	8" Water	275.72	Y	Drainage	Y
15	14	3.35	17+35 RT LOD	4	6" Water	243.89	N	No Conflicts	N
17	15	12.09	31+88 RT LOD	4	8" Water	208.92	N	No Conflicts	N
6	16	31.04	14+89 RT LEW_RD	7	4" CAFO Conduit	271.02	Y	Drainage	Y
6	17	31.58	13+91 RT LEW_RD	7	4" CAFO Conduit	270.04	Y	Drainage	Y
9D	18	15.85	31+39 RT ODD	6	2" Gas	253.81	Y	Drainage	Y
9D	19	11.53	32+90 LT ODD	6	6" Gas	259.40	Y	Drainage	Y
				7	(2) 0.75" CATV Cable	259.92	Y	Drainage	Y
13N	20	44.75	17+64 RT GTP	6	2" Gas	308.31	N	No Conflicts	N
13Q	21	36.64	32+48 RT GTP	6	2" Gas	286.72	N	No Conflicts	N
13Q	22	51.68	32+94 RT GTP	6	12" Gas	285.43	N	No Conflicts	N
13N	23	54.99	17+93 RT GTP	4	Water	306.74	N	No Conflicts	N
13Q	24	20.95	29+71 LT GTP	4	6" Water	299.09	N	No Conflicts	N
13Q	25	36.75	31+66 LT GTP	4	10" Water	288.00	Y	Drainage	Y
16	26	10.55	19+17 LT LOD	4	Water	228.65	Y	Drainage	Y
				Unk	Unknown Concrete	229.46			

PLAN SHEETS	TEST HOLES	DISTANCE (FEET)	(1) STATION & ROADWAY SURVEY CENTERLINE	OWNER	TYPE OF FACILITY	(2) ELEV. (FEET)	(3) CONFLICT YES/NO	(4) REMARKS	UTILITY (5) ADJUSTMENT REQUIRED
16	27	2.42	19+92 RT LOD	4	Water	219.91	Y	Drainage	Y
				8	1" CATV Cable	224.76	Y	Drainage	Y
13	28	50.31	24+67 LT GTP	3	Fiber Optic	227.65	Y	Drainage	Y
13	29	53.96	25+38 LT GTP	3	Fiber Optic	281.70	Y	Drainage	Y
N/A	30	N/A	N/A	N/A	Not Excavated	N/A			
13	31	44.09	34+34 LT GTP	9	4" Fiber Conduit	308.59	Y	Drainage	Y
17	32	11.80	35+66 RT LOD	1	(3) 1" Elec. Cables	215.54	Y	Drainage	Y
17	33	68.04	35+83 RT LOD	1	2" Elec. Conduit	239.60	Y	Drainage	Y

UTILITY OWNERS

1 – Dominion Energy
Andrew Brooks
(804) 771-3655

2 – Verizon Virginia, Inc.
Bill Lacy
(703) 369-9571

3 – Lumen (CenturyLink, Level 3, Qwest)
Brandie Varner
brandie.varner@lumen.com

4 – Fairfax Water
Rob Mehler
(703) 289-6384

5 – Fairfax County
Ned Langdon
(703) 324-5002

6 – Washington Gas
Mike Edwards
(703) 402-1513

7 – Comcast
Phung Dinh
Phung_Dinh@comcast.com
Amy Goad
Amy_Goad@comcast.com

8 – Cox
Michael Harrington
Michael.Harrington@cox.com

9 – Crown Castle
FiberSupport@crowncastle.com

ACCUMARK
9500 KING AIR COURT
ASHLAND, VA. 23005
(800) 542-2990 www.accumark.us

ACCUMARK #NV21-111
Fairfax County
ROUTE 495
TEST HOLE SUMMARY SHEET
DATE: 05-16-2022

NOTES:

(1) ALL TEST HOLES ARE REFERENCED FROM THE SURVEY BASELINE UNLESS OTHERWISE NOTED.

(2) ELEVATIONS SHOWN HEREON ARE TO THE TOP OF THE FACILITY UNLESS OTHERWISE NOTED.

(3) YES OR NO; NO INDICATES NO DIRECT CONFLICT, HOWEVER, CLEARANCE MAY BE LESS THAN ACCEPTABLE TO UTILITY OWNER.

(4) REMARKS TO INCLUDE CLEARANCE DIMENSION (REGARDLESS OF DISTANCE).

(5) YES OR NO; INFORMATION TO BE PROVIDED BY THE VDOT DISTRICT UTILITY ENGINEER.

– SEE TEST HOLE CERTIFICATION FORM FOR ADDITIONAL INFORMATION.

Revised 1-95
SPECIAL DESIGN SECTION
DRAWING NO. A-41

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	IH AREA I

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — 250.000 ft / In. — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT - Rimpal 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 - Roo Jakomaloh, PE(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark - Michael Taylor_LS_(703) 635-3060_12/2021

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

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

Temporary Traffic Control General Notes

Project Information

1. These temporary traffic control design plans - the traffic control devices and safety measures have been designed in conformance with the following:

   - 2009 Manual of Uniform Traffic Control Devices (MUTCD), Revisions 1 and 2 (May 2012)
   - 2011 Virginia Supplement to MUTCD, Revision 1 (September 2013)
   - VDOT Virginia Work Area Protection Manual (VWAPM), 2011 Edition, Revision 2.1 (November 1, 2020)
   - VDOT Road & Bridge (R&B) Standards, Vol. 1 and 2 (2016; Revised May 2020)
   - VDOT Road & Bridge (R&B) Specifications (2020) (Divisions II - VIII only)
   - Maintenance of Traffic (MOT) section of the approved Project Development Plan (PDP)

   This project's TMP/SOC has been designed in conformance with a Type C TMP/SOC.

1a. VDOT will develop and administer an overall Transportation Management Plan for Project NEXT corridor that focuses on broader strategies and solutions to facilitate mobility and safety during the construction period.

2. Work zone location, length, and widths:
   The project location is as shown on Sheet 1A. These temporary traffic control general notes refers to the full project, Areas 1 thru Area 4. The work locations have been delineated as shown on the TMP/SOC plan sheets 1K series through 1T series.

3. Construction work hours:
   Construction area shall be considered active when any impact to traffic occurs (1st Cone in Road). Unless preapproved or otherwise noted, all lane and/or shoulder closures shall be in accordance with the applicable allowable lane closure hours and all lane and/or shoulder closures shall be completely removed on a daily basis with lanes being fully open to traffic at all times beyond the allowable and/or approved lane closure hours. Construction hours have the following limitations:

Allowable Lane Closure Hours

INTERSTATE 495 (BELTWAY)

WEEKDAY		Inner Loop: Single-Lane Closures or Shoulder	Two-Lane Closures	Multiple-Lane Closures	Complete Road Closure
Segment 1	A. L. Bridge to Springfield Interchange	10:00AM to 3:00PM 9:30PM to 5:00AM	10:00PM to 5:00AM	11:00PM to 5:00AM	12:00AM to 5:00AM
Segment 2	Springfield Interchange to W.W. Bridge	10:00AM to 3:00PM 9:30PM to 5:00AM	10:00PM to 5:00AM	11:00PM to 5:00AM	12:00AM to 5:00AM
All lanes open at 12:00 noon on Friday					

WEEKDAY		Outer Loop: Single-Lane Closures or Shoulder	Two-Lane Closures	Multiple-Lane Closures	Complete Road Closure
Segment 1	A. L. Bridge to Springfield Interchange	9:30AM to 2:30PM 9:30PM to 5:00AM	10:00PM to 5:00AM	11:00PM to 5:00AM	12:00AM to 5:00AM
Segment 2	Springfield Interchange to W.W. Bridge	10:00AM to 3:00PM 9:30PM to 5:00AM	10:00PM to 5:00AM	11:00PM to 5:00AM	12:00AM to 5:00AM
All lanes open at 12:00 noon on Friday					

WEEKEND	Inner/Outer Loop: Single-Lane Closures or Shoulder	Multiple-Lane Closures	Complete Road Closure
Friday to Saturday	10:00PM to 8:00AM	11:00PM to 7:00AM	12:00AM to 5:00AM
Saturday to Sunday	10:00PM to 9:00AM	11:00PM to 8:00AM	12:00AM to 5:00AM
Sunday to Monday	9:30PM to 5:00AM	11:00PM to 5:00AM	12:00AM to 5:00AM

	EXPRESS LANES: Single-Lane Closures or Shoulder	Complete Road Closure**
WEEKDAY	9:30PM (Sunday to Thursday) to 4:00AM (Monday to Friday)	11:00PM to 4:00AM
WEEKEND	11:00PM (Friday to Saturday) to 9:00AM (Saturday to Sunday)	11:00PM to 4:00AM

** Complete Road Closure on Express Lanes limited to 30 minutes or less.

ROUTE 267 CONNECTOR

WEEKDAY	Eastbound: Single-Lane Closures or Shoulder	Eastbound: Complete Road Closure	Westbound: Single-Lane Closures or Shoulder	Westbound: Complete Road Closure
Monday to Friday	11:00AM to 3:00PM 9:30PM to 5:00AM	12:00AM to 4:00AM	9:30AM to 3:00PM 9:00PM to 5:00AM	12:00AM to 4:00AM
All lanes open at 12:00 noon on Friday				

WEEKEND	Eastbound/Westbound: Single-Lane Closures or Shoulder	Eastbound/Westbound: Complete Road Closure
Friday to Saturday	10:00PM to 8:00AM	12:00AM to 5:00AM
Saturday to Sunday	11:00PM to 8:00AM	12:00AM to 5:00AM
Sunday to Monday	9:00PM to 5:00AM	12:00AM to 4:00AM

Single-Lane Closures* or Shoulder

ARTERIAL	WEEKDAY: Monday to Thursday	WEEKDAY: Friday	WEEKEND: Friday to Saturday	WEEKEND: Saturday to Sunday	WEEKEND: Sunday to Monday
Major Arterials**	9:30AM to 3:00PM 10:00PM to 5:00AM	9:30AM to 2:00 PM	10:00PM to 9:00AM	10:00PM to 8:00AM	10:00PM to 5:00AM
All Other Roadways	9:00AM to 3:30PM 9:00PM to 5:00AM	9:00AM to 2:00 PM	10:00PM to 9:00AM	9:00PM to 9:00AM	10:00PM to 5:00AM

Multiple-Lane Closures

ARTERIAL	WEEKDAY: Monday to Thursday	WEEKDAY: Friday	WEEKEND: Friday to Saturday	WEEKEND: Saturday to Sunday	WEEKEND: Sunday to Monday
Major Arterials**	10:00PM to 5:00AM	Not allowed until 11:00PM	11:00PM to 5:00AM	11:00PM to 6:00AM	11:00PM to 5:00AM
All Other Roadways	9:00PM to 5:00AM	Not allowed until 10:00PM	10:00PM to 6:00AM	10:00PM to 6:00AM	10:00PM to 5:00AM

*Single-lane closures only permitted for multiple-lane roadways.
**Major Arterials defined as Primary Roads, high volume Secondary Roads, and all other routes that connect directly to Interstates.

Notes:

1. Complete Road Closures: 30 minutes maximum or an approved time frame to facilitate the lifting and placing of bridge beams, demolition and removal of bridge elements, and erection or removal of overhead sign panels and other structures. Complete roadway closures of more than 30 minutes may be permitted; subject to the approval of any required maintenance of traffic, traffic control, and/or detour plans.
2. Complete Road Closures: Following a 30 minute closure, subsequent 30 minute closures are not permitted until traffic has returned to free flow conditions and all traffic stopped from the previous closure has passed the construction site
3. Multiple lane closures shall use the Auxiliary travel (shoulder) lane, as approved, per the lane closure approval process. The Auxiliary travel (shoulder) lane shall be treated as a travel lane all day.
4. Limited Access Highways are defined as high speed high volume roadways with limited access, such as Dulles Toll Road, Dulles Airport Access Road and the George Washington Memorial Parkway.
5. Major Arterials are defined as Primary Roads, high volume Secondary Roads, and all other routes that connect directly to Interstates, such as Rte. 123, Rte. 694, Rte. 738 and Rte. 193.
6. Single-lane closures are only permitted for multiple-lane roadways.
7. Long-term closures of the shoulders adjacent to the general purpose lanes are allowable pursuant to the applicable provisions of these Technical Requirements.
8. Some roadway closures will require coordination and permit(s) with the agency having jurisdiction over the roadway. These allowable hours shall be applicable to both stationary and mobile lane closures, as well as shoulder closures.

.8.7 Holidays

A. Moving/mobile, short duration, short-term stationary, or intermediate-term stationary temporary traffic control zone lane closures on mainline lanes, shoulders, or ramps shall not be performed during the following Holiday time periods without the written permission of the Concessionaire. Additionally, a long-term stationary temporary traffic control zone shall not be initially put in place, adjusted, or removed during the following Holiday time periods without the written permission of the Concessionaire:

- **January 1:** From noon on the preceding day until noon on the following day, except as indicated in Section 1.8.7.B below.
- **Inauguration Day:** From 3:30 p.m. on the preceding day until 9:30 a.m. on the following day.
- **Martin Luther King, Jr. Day:** From noon on the preceding Friday to noon on the following Tuesday.
- **Presidents Day:** From noon on the preceding Friday to noon on the following Tuesday.
- **Easter:** From noon on the preceding Friday to 9:30 a.m. on the following Monday.
- **Memorial Day:** From noon on the preceding Friday to noon on the following Tuesday.
- **July 4:** From noon on the preceding day until noon on the following day, except as indicated in Section 1.8.7.B below.
- **Labor Day:** From noon on the preceding Friday to noon on the following Tuesday
- **September 11:** No daytime closures.
- **Columbus Day:** From noon on the preceding Friday to noon on the following Tuesday.
- **Election Day** (the Tuesday following the first Monday in November): No daytime closures.
- **Veterans Day:** From noon. on the preceding day until noon on the following day, except as indicated in Section 1.8.7.B below.
- **Thanksgiving Day:** From noon on the Wednesday proceeding Thanksgiving Day until noon on the following Monday.
- **Christmas Day:** From noon on the preceding day until noon on the following day, except as indicated in Section 1.8.10.B below.

B. If the Holiday occurs on a Friday or Saturday, no lane closures will be permitted from 5:00 a.m. on the preceding Thursday to Noon on the following Monday. If the Holiday occurs on a Sunday or Monday, no lane closures will be permitted from 5:00 a.m. on the preceding Friday to Noon on the following Tuesday.

4. Impacted existing entrances:
   All existing commercial or private entrances shall remain open for the duration of construction unless otherwise indicated on this plan.

5. Impacted existing Interchanges/Intersections:

   There are 3 Impacted Interchanges within the project limits:
   - I-495 Northbound/Southbound at Dulles Toll Road (Rte. 267)
   - I-495 Northbound/Southbound at Georgetown Pike (Rte. 193)
   - I-495 Northbound/Southbound at George Washington Memorial Parkway

   All interchanges are to remain fully operational during construction.

   There are 3 Impacted signalized Intersections within the project limits:
   - I-495 Northbound Exit/Entrance Ramp at Georgetown Pike (Rte. 193)
   - I-495 Southbound Entrance/Exit Ramp at Georgetown Pike (Rte. 193)
   - Georgetown Pike (Rte. 193) at Balls Hill Road

   There are 9 Impacted unsignalized intersections within the project limits:
   - Lewinsville Road (Rte. 694) at Timberly Lane
   - Lewinsville Road (Rte. 694) at Snow Meadow Lane
   - Lewinsville Road (Rte. 694) at Scotts Run Road
   - Old Dominion Drive (Rte. 738) at Dominion Court
   - Old Dominion Drive (Rte. 738) at Dulany Drive
   - Old Dominion Drive (Rte. 738) at Mottram Drive
   - Georgetown Pike (Rte. 193) at Helga Place/Liganore Drive
   - Georgetown Pike (Rte. 193) at Dead Run Drive
   - Balls Hill Road at Live Oak Drive

   All intersections are to remain open during construction unless otherwise indicated on this plan.

6. Impacted existing pedestrian access points:
   - Pedestrian sidewalks along Eastbound and Westbound Lewinsville Road
   - Pedestrian crosswalks at the Lewinsville Road/Timberly Lane Intersection
   - Pedestrian crosswalks at the Lewinsville Road/Scotts Run Road Intersection
   - Pedestrian crosswalk at the Balls Hill Road/Georgetown Pike (Rte. 193) intersection
   - Pedestrian sidewalk along a segment of Balls Hill Road (Benjamin Street to Georgetown Pike)

   The Design-Builder is to minimize impacts and provide safe passage, where necessary, for pedestrians and bicyclists within the project limits for the duration of construction.

7. Impacted existing bus stops:
   There is one impacted bus stop within the project limits. It is located along Westbound Lewinsville Road (Rte. 694), near the intersection of Timberly Lane.

   The impacted bus stop must remain fully operational for the duration of construction. Reference Section 2.1.6 of Part 2 of the Technical Requirements for required coordination with schools and other local entities.

8. Major types of travelers:
   The roadways associated with this project carry a large, diverse type of travelers. In the peak hours, commuters are the prevailing traveler type.

General Notes

9. Unless otherwise approved or directed by the engineer or MOT Manager, the Design-Builder shall plan and prosecute the work in accordance with the following sequence of construction and temporary traffic control plans and this shall be coordinated with the bridge plans.

10. It is not the intent of the Sequence of Construction plan to enumerate every detail which must be considered in the construction of each stage, but only to show the general handling of traffic. Work outside of the roadway clear zone is not intended to be limited to a specific single stage.

11. At the conclusion of each workday, all pavement edge drop-offs shall meet the requirements of Figure 2, in Appendix A of the Virginia Work Area Protection Manual for the safety and protection of vehicular traffic.

12. Traffic barrier service shall be installed and removed so as not to present any blunt end or hazard to the motoring public. The placement and removal of the traffic barrier service and barricades are to be coordinated by the MOT Manager or MOT Coordinator.

13. The sequence of construction / traffic control plans show only the traffic patterns necessary to construct this project. The Design-Builder will also be responsible for daily traffic control such as lane closures, flagging, etc. to properly maintain traffic throughout the project. Road closures exceeding 30 minutes will require Detour plans and VDOT's approval.

14. Unless otherwise noted on the plans, access must be maintained for all existing ramps except during the approved hours specified in RFP Technical Requirements, Part 2. Ramp closures during the approved hours must be coordinated, reviewed and approved in advance with impacted agencies, including, but not limited to, VDOT, Transurban (CBE), MWAA, NPS, FHWA Eastern Lands Division and MDOT-SHA in accordance with the provisions of the TMP.

15. The clear zone is to be kept free of fixed objects, including but not limited to, signage without breakaway posts, stored materials and parked equipment (for clear zone widths, refer to the Virginia Work Area Protection Manual). Where material is stored or vehicles are parked behind guardrail, a minimum offset of 5' is to be maintained from the face of the guardrail to any material, equipment or vehicles. Sight distances at intersections should not be impacted by materials, equipment, or traffic control devices. Nothing is to be stored within the temporary barrier manufacturer's recommended deflection area for longer than 3 days in accordance with the VWAPM, Appendix A. Where fixed object/hazards are located within clear zone, adequate protection (i.e. temporary barrier, guardrail, etc.) must be provided based on "Length of Need" determination, as summarized in the VDOT GRIT Manual.

16. 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 service and beginning construction activities.

17. Temporary barrier shall be pinned/anchored per the requirements in VWAPM, Appendix A, where necessary.

18. Temporary lane widths on all roadways affected by the work zone or traffic control devices shall be no less than 11 feet, unless otherwise shown on plans. Barrier offsets from travel lane shall be no less than 1 foot. The TMP shall be designed to meet the posted speed.

19. The Design-Builder shall install W11-2 48"x48" diamond shaped "Construction Entrance" signs in advance of construction entrances. All construction access areas will be installed in compliance with Section 66-27 of the VWAPM (Length = 1320' min. for locations serving both accel/decel.) Where adequate space is not available, Design-Builder to utilize off-peak and/or night-time lane and/or shoulder closures. Design-Builder has the ability to open/close construction entrances to facilitate construction needs.

20. For all long-term work zones, existing conflicting pavement markers and pavement markings shall be removed per Figure TTC-55.1 of the VWAPM. The Design-Builder shall install temporary raised pavement markers and temporary pavement markings per Figure TTC-60.0 of the VWAPM. Remove the reflective elements from the existing raised pavement markers where lanes have been shifted.

21. All long-term temporary signs shall be installed on breakaway wood posts or breakaway square tube steel sign posts unless otherwise protected from traffic by guardrail or temporary barrier. Signage locations shown on the plans are in accordance with the standards; however, where field conditions do not allow, the Design-Builder has the ability to coordinate with VDOT and the Inspector to modify the location.

22. This TMP/SOC Plan is intented to be a guide. This plan does not alleviate the Design-Builder from meeting the requirements of the VWAPM should field conditions deviate.

23. Unless otherwise shown, the Design-Builder shall maintain and relocate (if necessary) all existing regulatory, warning, and guide signs until new facilities are opened. Replacement signs are to be installed prior to the removal of the applicable existing signs, unless otherwise noted. As facilities are open to final configurations, the Design-Builder shall install traffic control devices per the signing and marking plans. The sequence of construction for overhead (major) guide signs is detailed in the TMP/SOC Plans.

24. Signs to be temporarily covered shall be completely covered by a non-transparent material.

25. The Temporary Traffic Control Plans have been designed to best accomodate ramps, intersecting streets and driveways; however, all signs and channelizing devices may be adjusted backwards or forwards as field conditions dictate.

26. It shall be the Design-Builder's responsibility to accommodate safe and efficient snow removal operations and to maintain proper drainage during all phases of construction.

27. Temporary Concrete Barrier will be MB-7.D PC or TCB-1.01 on roadway segments unless otherwise noted on the plans. In most cases along bridges, MB-10.01A/11.A is noted and is required.

28. Unless otherwise approved by the MOT Manager and VDOT, access must be maintained at all times to any impacted existing emergency crossovers.

29. Standard/typical concrete barrier slats will be provided for the entire length of the project to mitigate surface drainage adjacent to concrete barrier. See VDOT R&B Std's. for additional detail.

30. Design-Builder to place Type B warning lights, barrier panels, and barrier delineators on top of concrete barrier in accordance with the Virginia Work Area Protection Manual (VWAPM), Revision 2.1.

31. The mill and overlay areas to be done in accordance with VWAPM, Rev. 2.1, and std ACOT-1, where appropriate, to ensure smooth transitions.

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

33. During non-working hours, all stored construction equipment is to stay outside of the construction area clear zone or barrier deflection as designated in the VWAPM, Appendix A. If the barrier deflection area is not clear of stored construction equipment, pinned barrier is required. Construction equipment is not to block or obstruct sight distance along highway/roadway or at any intersection or private entrance within the project limits when the construction work zone is active.

34. Design-Builder shall follow the geotechnical recommendations for the project. Materials designated as unsuitable material as detailed in the geotechnical recommendations shall be disposed of offsite and are not to be used for any part of construction.

35. Each phase of construction shall be completed to the installation of intermediate course asphalt prior to the start of the next phase unless otherwise directed by the Engineer.

36. Design-Builder shall ensure positive drainage of storm sewer pipes, structures, and facilities during all phases of construction, for the duration of the project. The Design-Builder shall construct drainage features that are fully contained within the work areas shown, as shown on the TTC drawings. The Design-Builder shall add any additional temporary measures necessary to facilitate proper, positive drainage for the duration of construction. For any drainage feature necessary to be constructed, but is not contained within the work areas, the Design-Builder shall use appropriate short term TTC layouts to facilitate construction, in accordance with the allowable lane closure policy.

    Where adjustments or additional TTC measures are necessary for the jack and bore operations, the Design-Builder shall follow VWAPM to complete the work. The jack and bore construction shall follow in accordance with the VDOT Special Provision for Jack and Bore (dated December 12, 2018) and Section 302.03 of the VDOT 2020 Road and Bridge Specifications in accordance with TR Attachment 1.5A.

37. Group 2 Channelizing Devices or barrier are required for unmanned work zones on long-term stationary work zones. Where Group 2 Channelizing Devices are used to separate the Construction Area and traffic, a minimum clear zone area as defined in the VWAPM is to be maintained. Group 2 Channelizing Devices shown on the plan are schematic. Design-Builder shall follow VWAPM guidelines for device spacing along transitions and parallel to the roadway.

38. The Design-Builder shall provide access as necessary for the Interstate maintenance (TAMS) VDOT to provide snow removal. No lane closures will be permitted, during snow mobilizations of Level 2 or above. With the exception of snow removal, the Design-Builder shall be responsible for all typical repairs and maintenance such as guardrails, grass cutting, pothole repair, refurbishing raised pavement markers, and refurbishing pavement markings as needed per RFP, beginning when construction activities commence, and ending upon Final Acceptance of the Project (or any portion thereof).

39. The Design-Builder shall enter each and every lane and/or shoulder closure directly into VDOT's Lane Closure Advisory Management System (LCAMS) at least ten (10) days in advance of the proposed lane and/or shoulder closure(s) and no later than close of business Tuesday, the week prior to the closure(s), stating the location, purpose, specific lane(s) to be closed, time and duration of closure. Any conflicts generated from LCAMS shall be resolved no later than close of business Thursday, the week prior to the closure. All requests for deviation from the allowable lane closure hours must be submitted to VDOT NRO for review a minimum of fourteen (14) days in advance of work. The Design-Builder shall confirm with the VDOT Construction Manager at least twenty-four (24) hours before any scheduled lane and/or shoulder closure. The Design-Builder shall contact the TOC at the time of "the first cone down and last cone up" and any work zone updates. In order for TOC to accurately post the updated information on VDOT website and VA511 system. Lane and/or shoulder closures shall not be permitted during inclement weather or emergency situations. Lane and/or shoulder closures shall not begin if heavy traffic or significant queuing and backups are already present along the roadway(s).

40. The Design-Builder shall be responsible for coordinating directly with the Virginia State Police and/or other authorized law enforcement agencies to provide uniformed law enforcement officer with a marked law enforcement vehicles equipped with a blue flashing lights during any operations involving lane closures and/or rolling lane closures, during all night time closures for work within or adjacent to travel lanes, and any other operation as required by the Virginia Work Area Protection Manual. Reference Sections 1.9.4.E and 1.J.2. Part 2 of the Technical Requirements for required coordination with the Virginia State Police and the various local area law enforcement and emergency services.

41. Temporary pavement markings, as shown on the plans, are to be Type A, Type D, Class III and/or Type E.

42. The Design-Builder shall coordinate obtaining required permits with impacted agencies, including, but not limited to, VDOT, Transurban (CBE), MWAA, NPS, FHWA Eastern Lands and MDOT-SHA for all lane and/or shoulder closures, during the duration of the project. This process and invested parties is further discussed in the Project Development Plan (PDP).

43. The NOI process, as outlined in Section 3.1.6.20 of the Technical Requirements, Part 2, of the contract, shall apply to all Existing TMS Assets within the Project NEXT limits that are affected by the Design-Builder's construction activities.

44. The Design-Builder shall continuously monitor all lane closure(s) and/or detour route(s). If applicable, and make spot adjustments as needed/available to ease undue backups, delays, or queuing and reopen available lanes immediately. If necessary.

45. The Design-Builder shall furnish temporary traffic control devices that meet NCHRP 350 criteria for the applicable crash worthiness standard.

CONTACT NUMBERS

Project Manager	Rimpal Shah	(703) 259-2362
Construction Manager	Dave Reynolds	(571) 238-1894
Assist. Project Engineer	Mauricio Campos	(703) 334-0057
Public Relations	John Undeland	(703) 785-3461
VDOT Construction Manager	Jesus Hernandez	TBD
MOT Manager	James Compton	(703) 463-4121
MOT Engineer	John Giometti	(703) 334-0060
Emergency Call		911
Miss Utility		811
Non-Emergency Numbers:		
Fairfax County Police		(703) 691-2131
Fairfax County Fire & Rescue		(703) 246-2126

TMP/SOC Designer:
John A. Giometti, P.E.
Advance Work Zone Traffic Control Training,
VDOT Certificate No. 083121101

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

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

Expiration Date: 8/31/2025
Verification Number: 083121101
R T Kinney
State Traffic Engineer

RIGHT OF WAY IS NOT SHOWN BECAUSE RIGHT OF WAY IS NOT IMPACTED IN AREA 1.

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	IJ AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703) 635-3060_12/2021

Temporary Traffic Control Narrative and Typical Sections Phase IA

Sequence of Construction

Phase IA

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 outside widening*
- *I-495 NB overpass bridge at Dulles Toll Road Ramps*
- *Dulles Toll Road median barrier*
- *Dulles Toll Road Eastbound mill & overlay*
- *Dulles Toll Road E1 bridge over Dulles Airport Access Road and Dulles Toll Road WB*
- *Dulles Toll Road E1 bridge over 495 NB*
- *Dulles Toll Road Ramp E3*
- *Ramp G10 outside widening*

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 1J(10).

Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 2.1, typical applications for this package may include, but not limited to: TTC-1.1, 4.1, 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.

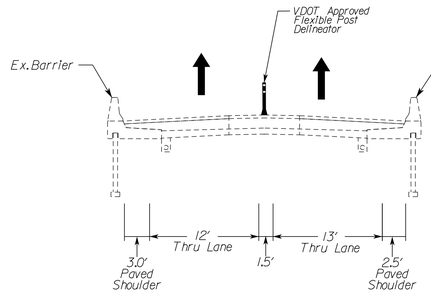
Install temporary pavement markings, raised markers, signage and other temporary traffic control devices, as required per VWAPM, including barrier flare rates and warning lights to protect work areas as shown on the plans.

Install temporary traffic barrier service, Group II Channelizing Devices and Impact attenuators TL-3, Type I, throughout the project as shown on the plans.

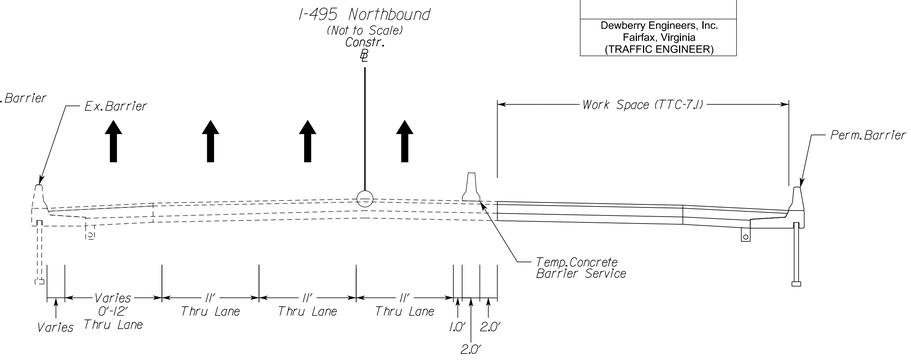
Contractor has the ability to open and close construction access points, as necessary, as construction progresses.

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

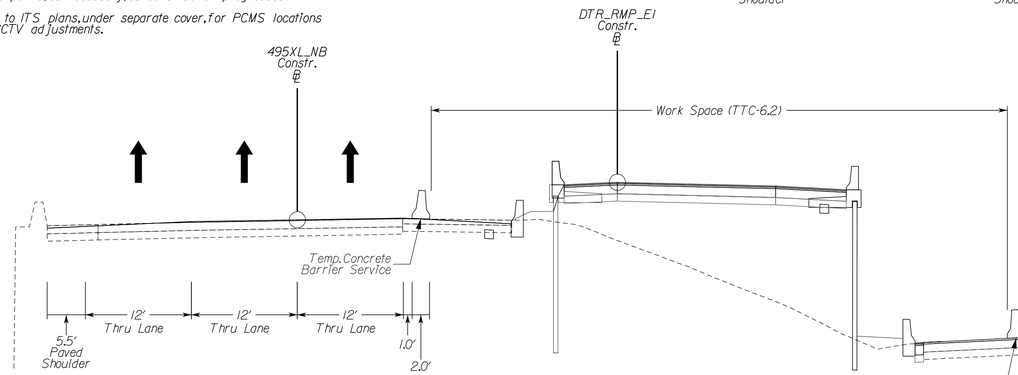
I-495 Northbound to DTR WB

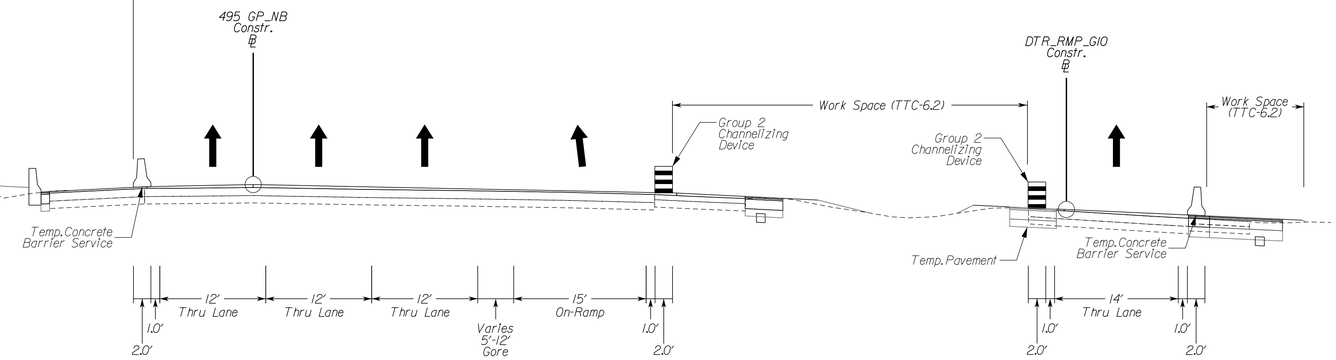


I-495 Northbound
(Not to Scale)



STATION 1047+85 TO STATION 1058+39





STATION 1067+81 TO STATION 1071+00

Posted/Design Speed Summary Table

Area	Ramp/Roadway	Speed (mph)	Area	Ramp/Roadway	Speed (mph)
AI,A2,A3,A4	I-495 General Purpose Lanes	55	A3	Proposed GTP Ramp NE (SR 193 to I-495 N)	30
AI,A2,A3,A4	I-495 Express Lanes	65	A3	Existing GTP Ramp SE (I-495 N to SR 193)	35 (exit advisory)
AI	Dulles Toll Road (SR 267)	55	A3	Proposed GTP Ramp SE (I-495 N to SR 193)	30 (exit advisory)
AI	Proposed DTR Ramp E1 (SR 267 E to I-495 N XL)	30 (ramp advisory)	A3	Existing GTP Ramp NW (I-495 S to SR 193)	45 (exit advisory)
AI	Proposed DTR Ramp E3 (SR 267 W to I-495 N XL)	30 (exit advisory)	A3	Proposed GTP Ramp NW (I-495 S to SR 193)	30 (exit advisory)
AI	Existing DTR Ramp E4 (SR 267 E to I-495 S)	35 (exit advisory) 25 (ramp advisory)	A3	Existing GTP Ramp SW (SR 193 to I-495 S)	not posted (30 min.used)
AI	Proposed DTR Ramp E4 (SR 267 E to I-495 S XL)	30 (ramp advisory)	A3	Proposed GTP Ramp SW (SR 193 to I-495 S)	30
AI	Existing DTR Ramp (SR 267 E to I-495 N)	25 (ramp advisory)	A3,A4	Balls Hill Road	25
AI	Proposed DTR Ramp G3 (SR 267 E to I-495 N)	25 (ramp advisory)	A4	Live Oak Drive	25
AI	Existing DTR Ramp (I-495 N XL to SR 267 W)	45 (ramp advisory) 25 (ramp advisory)	A4	George Washington Memorial Parkway	50
AI	Exising DTR Ramp (I-495 N to SR 267 W)	25 (exit advisory)	A4	Proposed GWMP Ramp E21 (GWMP to I-495 S XL)	30 (exit advisory)
AI	Exising DTR Ramp (I-495 S to SR 267 E)	25 (exit advisory)	A4	Proposed GWMP Ramp E22 (I-495 N XL to GWMP)	30 (ramp advisory)
AI	Exising DTR Ramp (I-495 S to SR 267 W)	40 (exit advisory)	A4	Existing GWMP Ramp (GWMP to I-495 S)	40 (exit advisory)
AI, A2	Existing DTR Ramp G10 (SR 267 W to I-495 N)	30 (exit advisory)	A4	Proposed GWMP Ramp G21 (GWMP to I-495 S)	30 (exit advisory)
AI, A2	Proposed DTR Ramp G10 (SR 267 W to I-495 N)	30 (exit advisory)	A4	Proposed GWMP Ramp G23 (I-495 N to GWMP)	25 (exit advisory)
A2	Lewinsville Road	35	A4	Proposed GWMP Ramp G22 (I-495 S to GWMP)	25 (exit advisory)
A2	Old Dominion Drive (SR 738)	40	A4	Existing GWMP Ramp (I-495 N to GWMP)	not posted (30 min.used)
A3	Georgetown Pike (SR 193)	35	A4	Proposed GWMP Ramp G23 (I-495 N to GWMP)	30
A3	Existing GTP Ramp NE (SR 193 to I-495 N)	not posted (30 min.used)	A4	Existing GWMP Ramp G24 (GWMP to I-495 N)	40 (exit advisory)

Sound Wall Summary Table (Phase IA Construction)

Name	Station Range
RW 01	STA 10+00.00 to STA 23+13.40
RW 13	STA 10+00.00 to STA 11+63.52
RW 29	STA 10+00.00 to STA 11+84.13
RW 30	STA 10+00.00 to STA 11+80.17
RW 30A	STA 10+00.00 to STA 11+39.32
RW 33A	STA 10+50.00 to STA 11+80.74
RW 33B	STA 21+96.91 to STA 23+12.92

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1J(1A)I AREA 1

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. 1J(1A)I AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomiolch, PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703)_635-3060_12/2021

Temporary Traffic Control Narrative and Typical Sections Phase IA

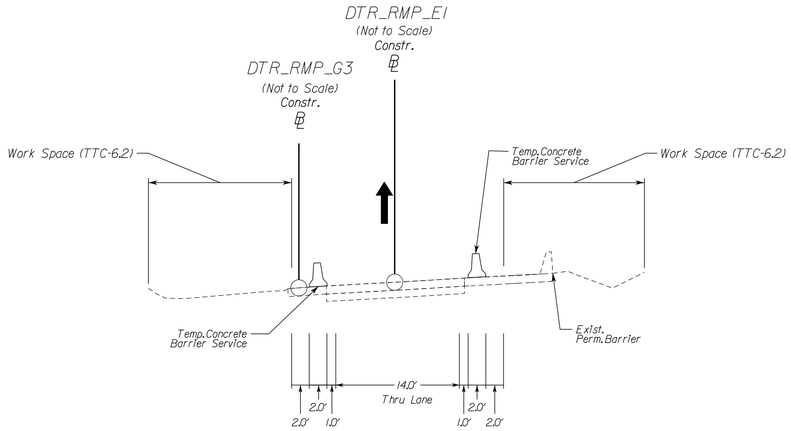
COMMONWEALTH OF VIRGINIA
GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IJ(IA)2 AREA 1

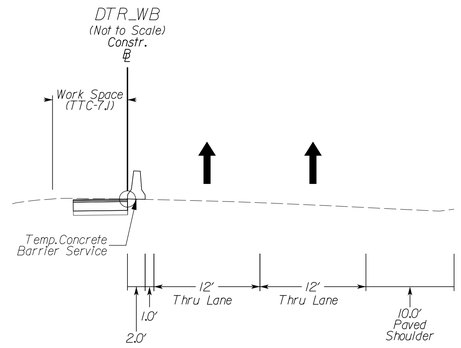
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

DTR_RMP_E1 / DTR_RMP_G3



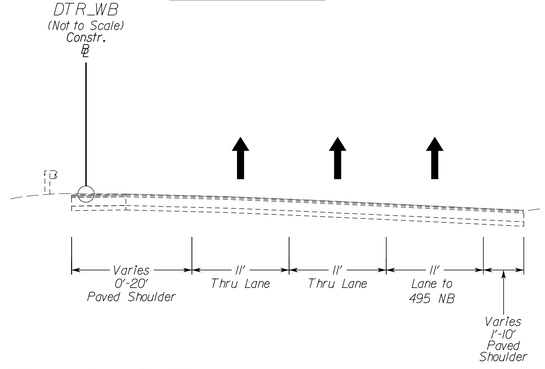
STATION 24+02 TO STATION 25+12

DTR_WB



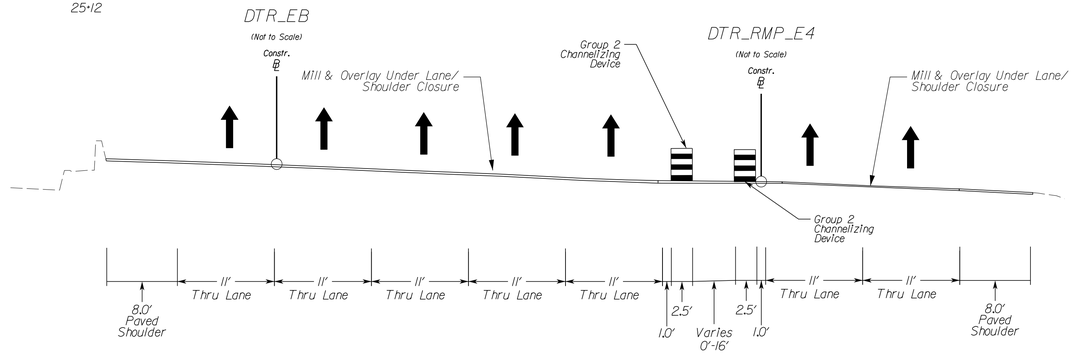
STATION 401+75 TO STATION 412+78

DTR_WB



STATION 412+78 TO STATION 419+90

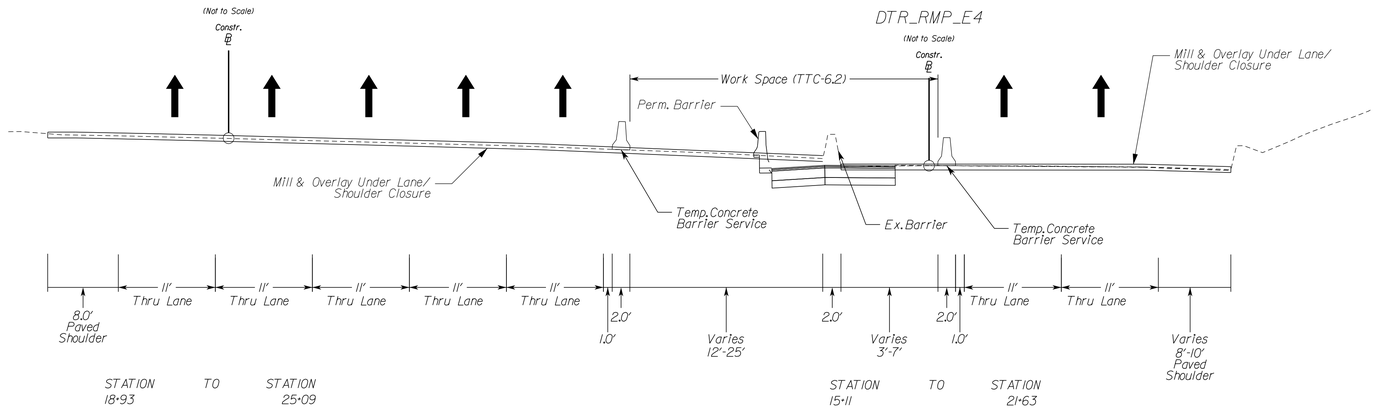
DTR_EB / DTR_RMP_E4



STATION 15+93 TO STATION 18+93

STATION 12+17 TO STATION 15+11

DTR_EB / DTR_RMP_E4



STATION 18+93 TO STATION 25+09

STATION 15+11 TO STATION 21+63

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. IJ(IA)2 AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703) 635-3060_12/2021

Temporary Traffic Control Narrative and Typical Sections Phase 1A

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

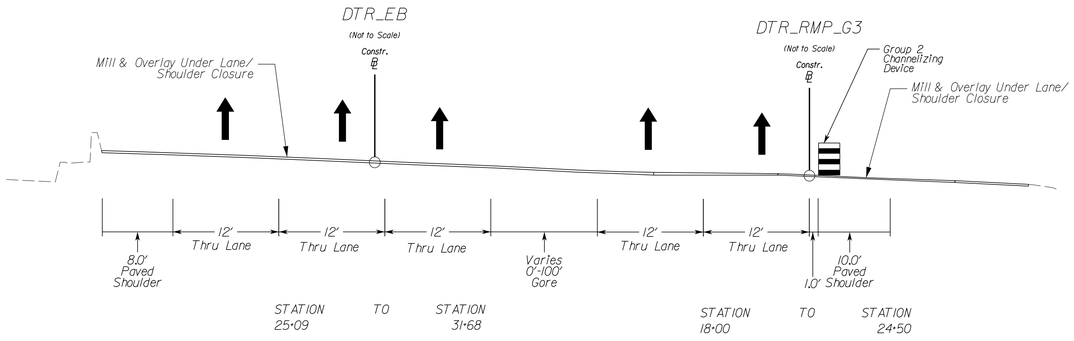
Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1J(1A)3 AREA 1

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

DTR_EB

(Not to Scale)

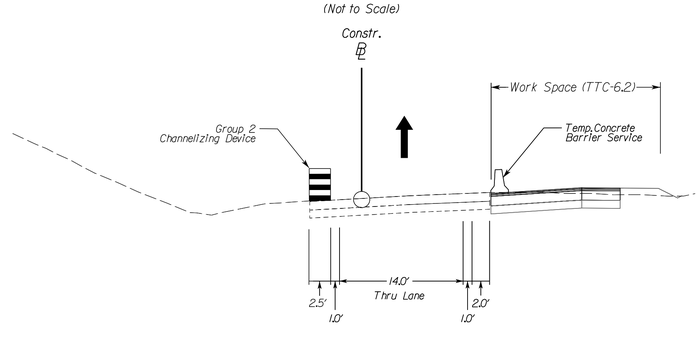


DTR_RMP_G3

(Not to Scale)

DTR Ramp G3

(Not to Scale)



DAR_EB

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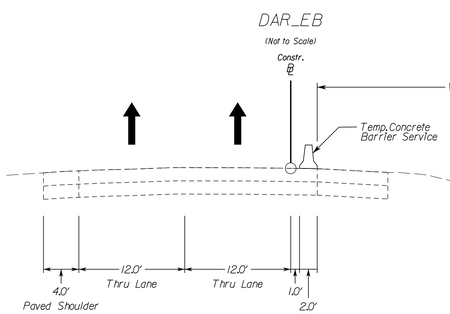

DTR_EB

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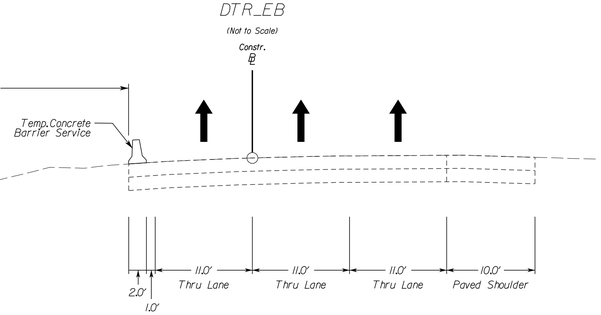


NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1J(1A)3 AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703)_259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703)_334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703)_334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703)_635-3060_12/2021

Temporary Traffic Control Narrative and Typical Sections Phase IB

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IJ(IB)I AREA 1

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

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 outside widening*
- *I-495 Northbound and Southbound mill and overlay*
- *I-495 NB overpass bridge at Dulles Toll Road Ramps*
- *Ramp G10 mill and overlay and inside widening*

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 IJ(I)0.

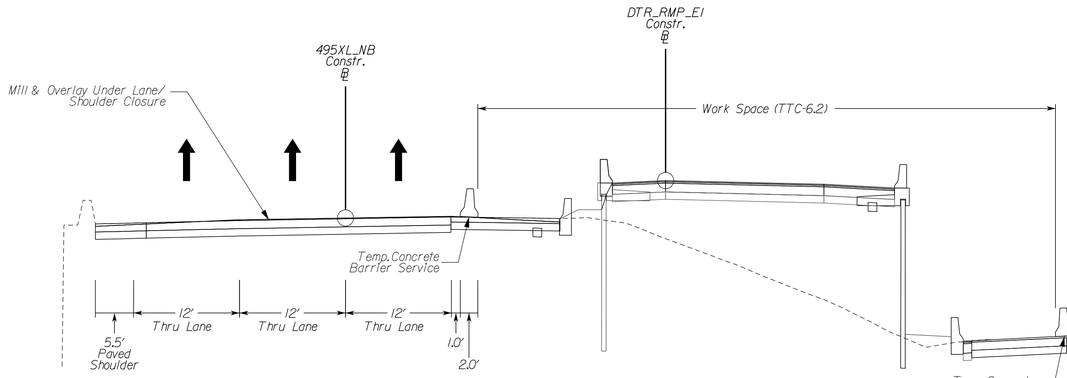
Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 2.1, typical applications for this package may include, but not limited to: TTC-1.1, 4.1, 5.2, 6.2, 7.1, 16.2, 17.2, 18.2, 23.2, 28.2, 29.2, 37.2, 38.2, 39.2, 40.2, 53.0, 55.1, 60.0, 63.2 or other typical applications, as necessary.

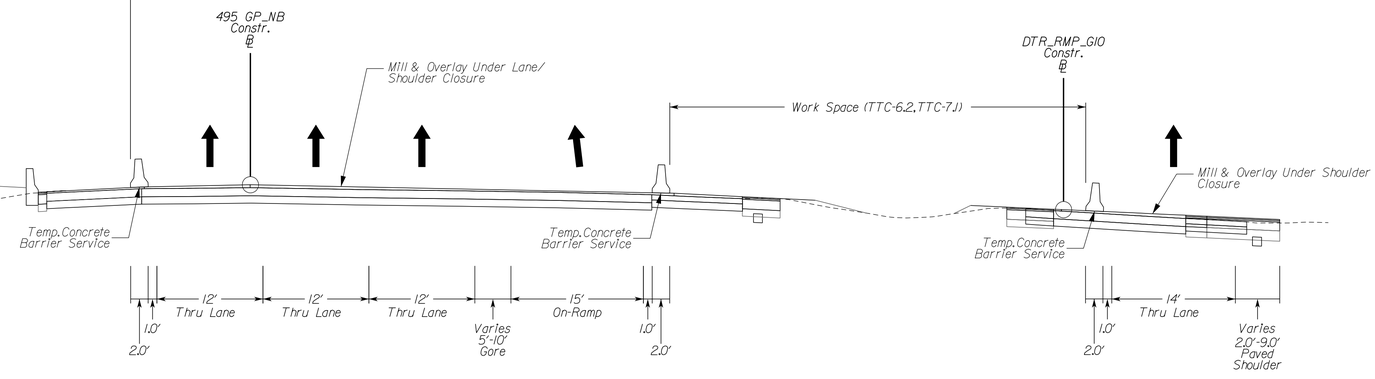
Install temporary pavement markings, raised markers, signage and other temporary traffic control devices, as required per VWAPM, including barrier flare rates and warning lights to protect work areas as shown on the plans.

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 open and close construction access points, as necessary, as construction progresses.

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





STATION 1069+50 TO STATION 1071+00

Sound Wall Summary Table (Phase IB Construction)

Name	Station Range
RW 01	STA 10+00.00 to STA 23+13.40
RW 13	STA 10+00.00 to STA 11+63.52
RW 29	STA 10+00.00 to STA 11+84.13
RW 30	STA 10+00.00 to STA 11+80.17
RW 30A	STA 10+00.00 to STA 11+39.32
RW 33A	STA 10+50.00 to STA 11+80.74
RW 33B	STA 21+96.91 to STA 23+12.92

NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. IJ(IB)I AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703)_259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703)_334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703)_635-3060_12/2021

Temporary Traffic Control Narrative and Typical Sections Phase 2A

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IJ(2A)I AREA 1

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

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 northbound ramp to Dulles Toll Road mill and overlay
- I-495 northbound and southbound mill and overlay
- I-495 northbound overpass Dulles Toll Road ramp G3/E1

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 IJ(0).

Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 2.1, typical applications for this package may include, but not limited to: TTC-1.1, 4.1, 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.

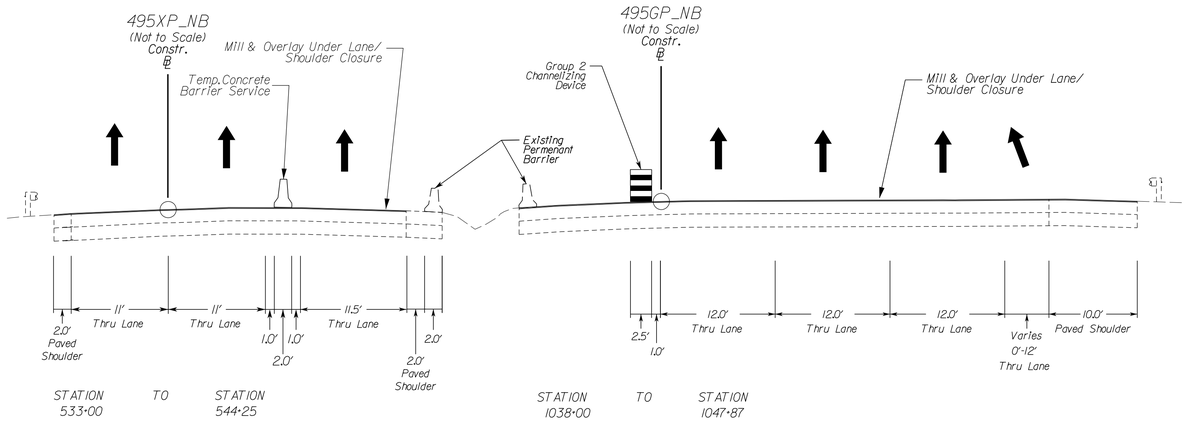
Install temporary traffic barrier service, Group II Channelizing Devices and impact attenuators TL-3, Type I, throughout the project as shown on the plans.

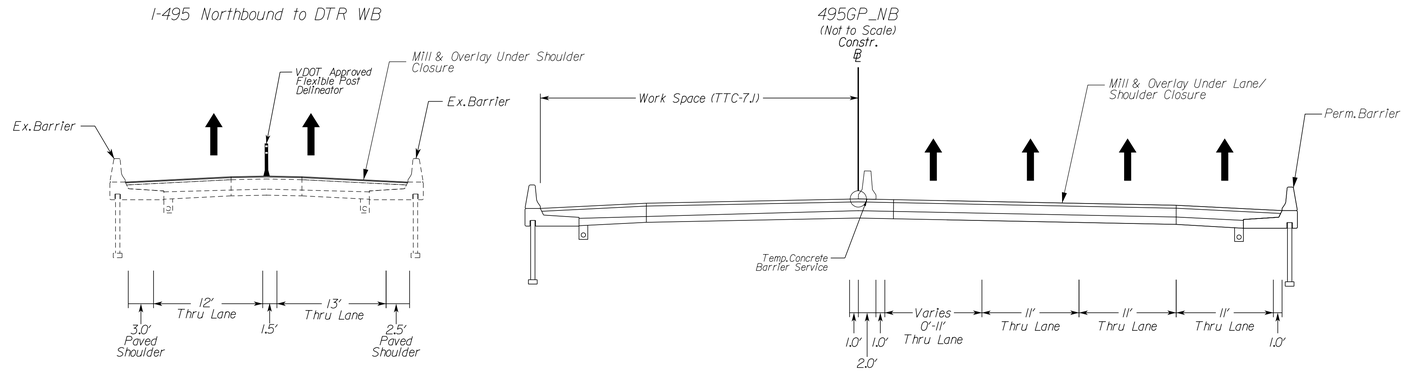
Contractor has the ability to open and close construction access points, as necessary, as construction progresses.

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

Sound Wall Summary Table (Phase 2C Construction)

Name	Station Range
Noise Barrier 13X	STA 27+93.04 to STA 29+52.51





NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. IJ(2A)I AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darell Fischer _PE_(703) 334-0823_____
Dewberry - Ron Jakomaich, PE_(703) 849-0651)_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor_ LS_(703) 635-3060_12/2021

Temporary Traffic Control Narrative and Typical Sections Phase 2B

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1J(2B)1 AREA 1

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

Sequence of Construction

Phase 2B

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:
- Construction of Dulles Toll Road Ramp G3

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 1J(10).

Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 2J, typical applications for this package may include, but not limited to: TTC-1J, 4J, 5.2, 6.2, 7J, 16.2, 17.2, 18.2, 23.2, 28.2, 29.2, 37.2, 38.2, 39.2, 40.2, 53.0, 55J, 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 open and close construction access points, as necessary, as construction progresses.

Contractor to construct Station 44+33 to Station 46+80 utilizing road closure (TTC-48.2) during off-peak weekend hours, as necessary.

Phase 2B shall tie into Phase 2A of Area 2 design.

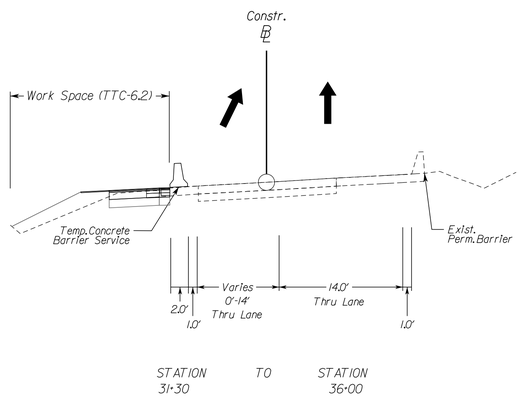
Refer to ITS plans, under separate cover, for PCMS locations and CCTV adjustments.

Sound Wall Summary Table (Phase 2C Construction)

Name	Station Range
Noise Barrier 13X	STA 27+93.04 to STA 29+52.51

DTR Ramp G3

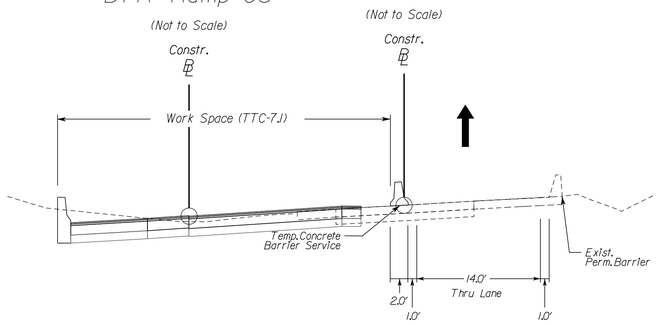
(Not to Scale)



STATION 31+30 TO STATION 36+00

DTR Ramp G3 DTR Ramp E1

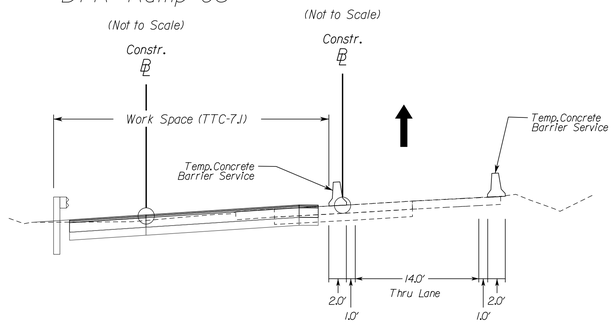
(Not to Scale) (Not to Scale)



STATION 20+08 TO STATION 25+88

DTR Ramp G3 DTR Ramp E1

(Not to Scale) (Not to Scale)



STATION 25+88 TO STATION 27+17

NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 1J(2B)1 AREA 1

APPROVED FOR CONSTRUCTION

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

Temporary Traffic Control Narrative and Typical Sections Phase 2B (cont.) & 2C

Sequence of Construction

Phase 2C

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:
- Construction of Dulles Toll Road Ramp E1

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 I.I(10).

Contractor shall implement Virginia Work Area Protection Manual, 2011 Edition, Revision 2.1, typical applications for this package may include, but not limited to: TTC-1.1, 4.1, 5.2, 6.2, 7.1, 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 1, throughout the project as shown on the plans.

Contractor has the ability to open and close construction access points, as necessary, as construction progresses.

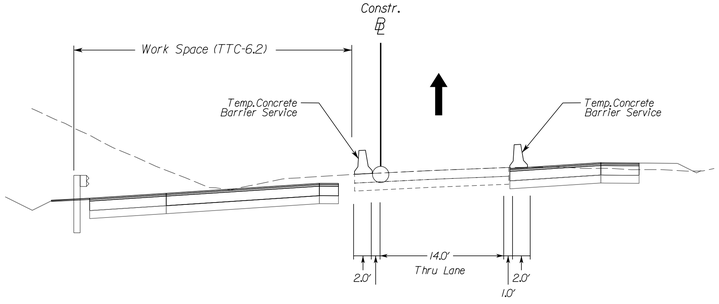
Phase 2C shall tie into Phase 2A of Area 2 design.

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

Phase 2B (cont.)

DTR Ramp G3

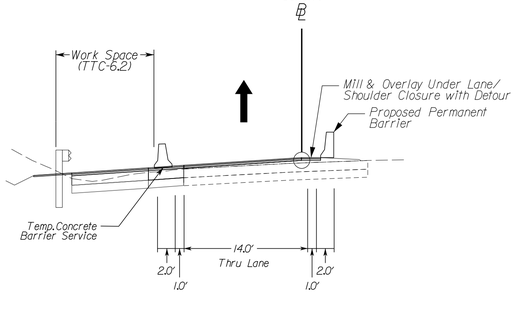
(Not to Scale)



STATION 42+75 TO STATION 44+60

DTR Ramp G3

(Not to Scale)

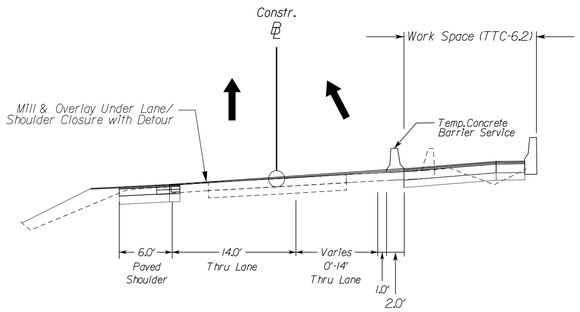


STATION 44+60 TO STATION 46+72

Phase 2C

DTR Ramp G3

(Not to Scale)



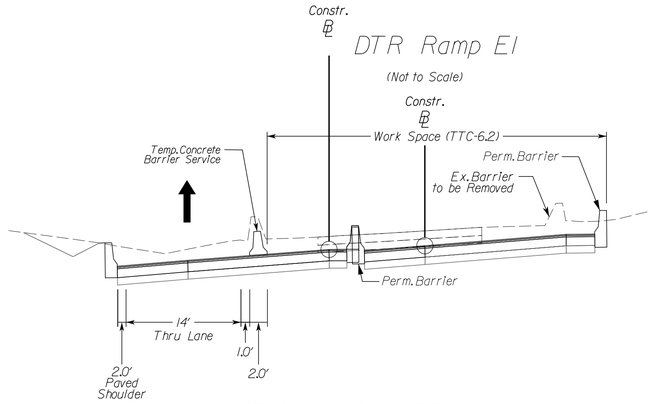
STATION 31+30 TO STATION 36+27

DTR Ramp G3

(Not to Scale)

DTR Ramp E1

(Not to Scale)



STATION 36+27 TO STATION 44+70

NOVA DISTRICT

12/16/2022

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	I.I(2C)I AREA 1

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

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. I.I(2C)I AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_Shah_PE_(703)_259-2362_
SURVEYED BY, DATE _RDA_-_Nicholas_Kaugaulis_LS_(703)_334-0837_1/2019_
DESIGN BY _RDA_-_Darell_Fischer_PE_(703)_334-0823_
Dewberry-_Ron_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Temporary Traffic Control Plans
Phase IA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(2) AREA 1

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

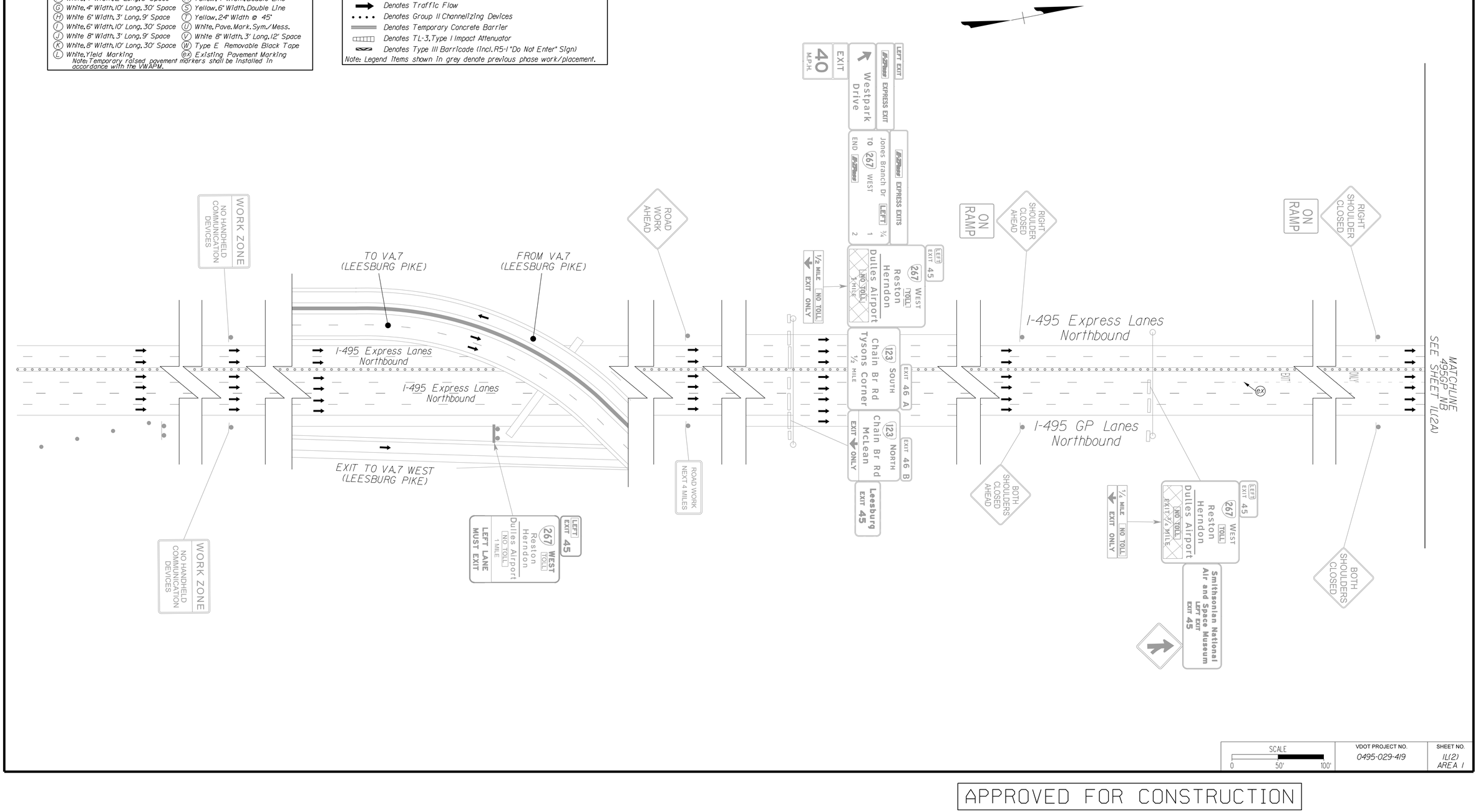
- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) 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.	SHEET NO.
0495-029-419	IL(2) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

1/5/2023

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis LS, (703) 334-0837, 1/2019
DESIGN BY RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiolch, PE, (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	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
NDC004	VA.	495	0495-029-419 PE101 C501 RW201	IL(2A) AREA I

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

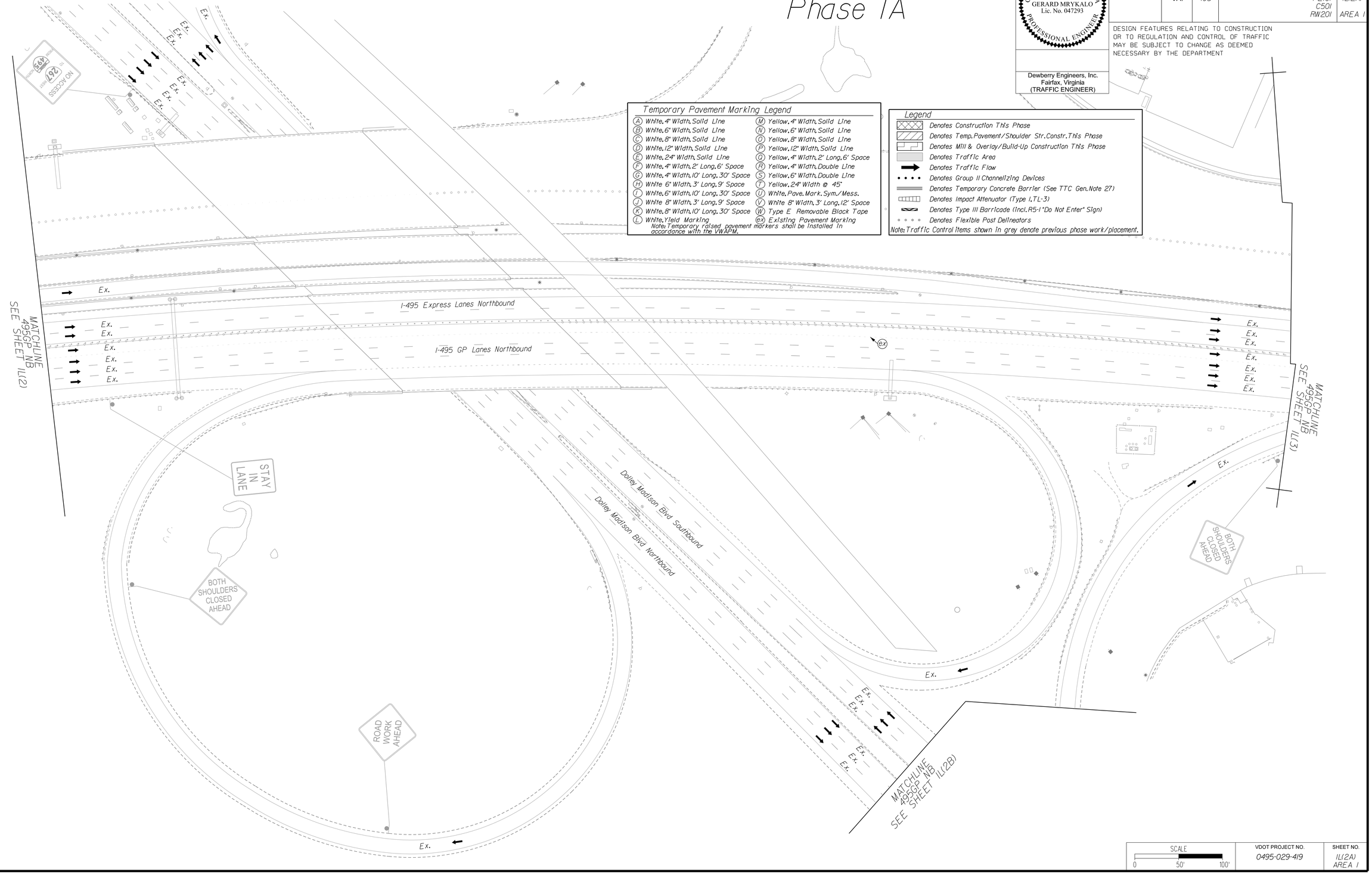
(A) White, 4" Width, Solid Line	(M) Yellow, 4" Width, Solid Line
(B) White, 6" Width, Solid Line	(N) Yellow, 6" Width, Solid Line
(C) White, 8" Width, Solid Line	(O) Yellow, 8" Width, Solid Line
(D) White, 12" Width, Solid Line	(P) Yellow, 12" Width, Solid Line
(E) White, 24" Width, Solid Line	(Q) Yellow, 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	(ex) Existing Pavement Marking

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

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.



NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IL(2A) AREA I

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_LS_(703) 635-3060_12/2021

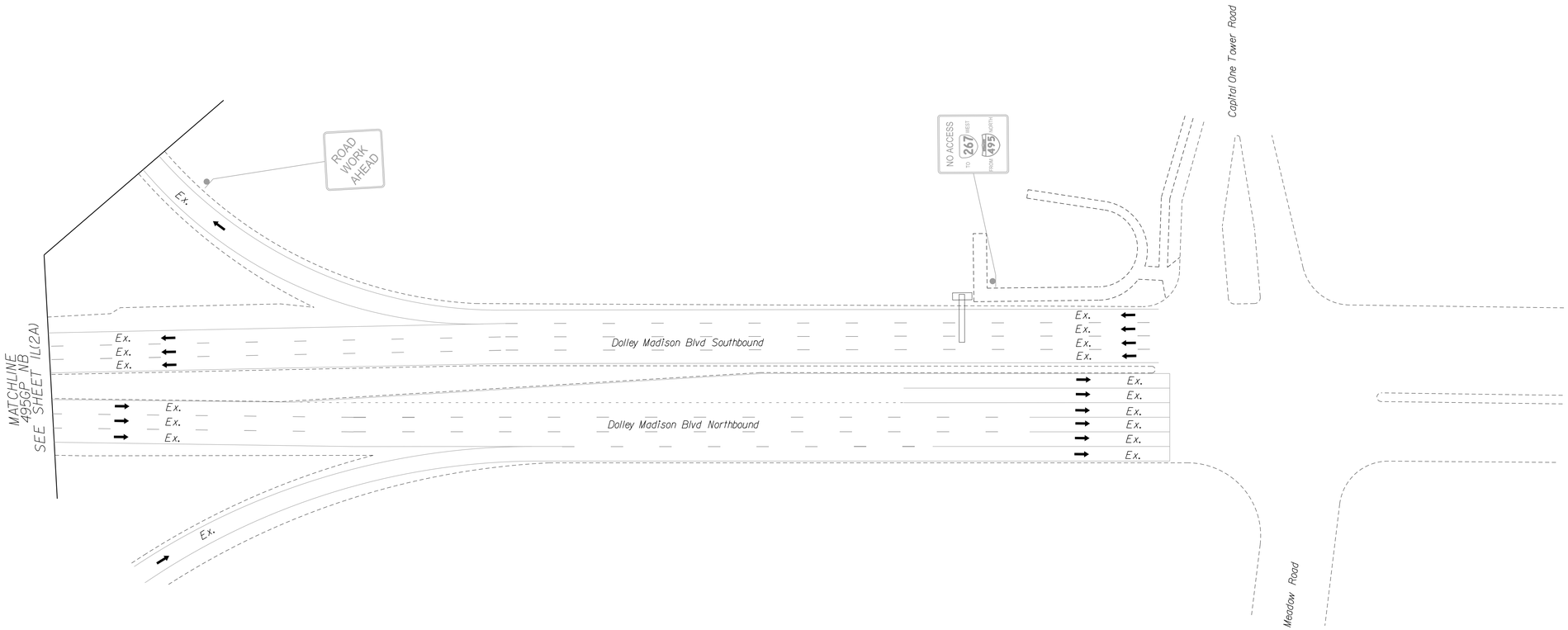
Temporary Traffic Control Plans
Phase IA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
NDC004	VA.	495	0495-029-419 PE101 C501 RW201	IL(2B) AREA I

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	(EX) Existing Pavement Marking

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

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.

NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IL(2B) AREA I

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiak, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. 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	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(3) AREA 1

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

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) 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.	SHEET NO.
0495-029-419	IL(3) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauil's LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor_LS_(703) 635-3060_12/2021

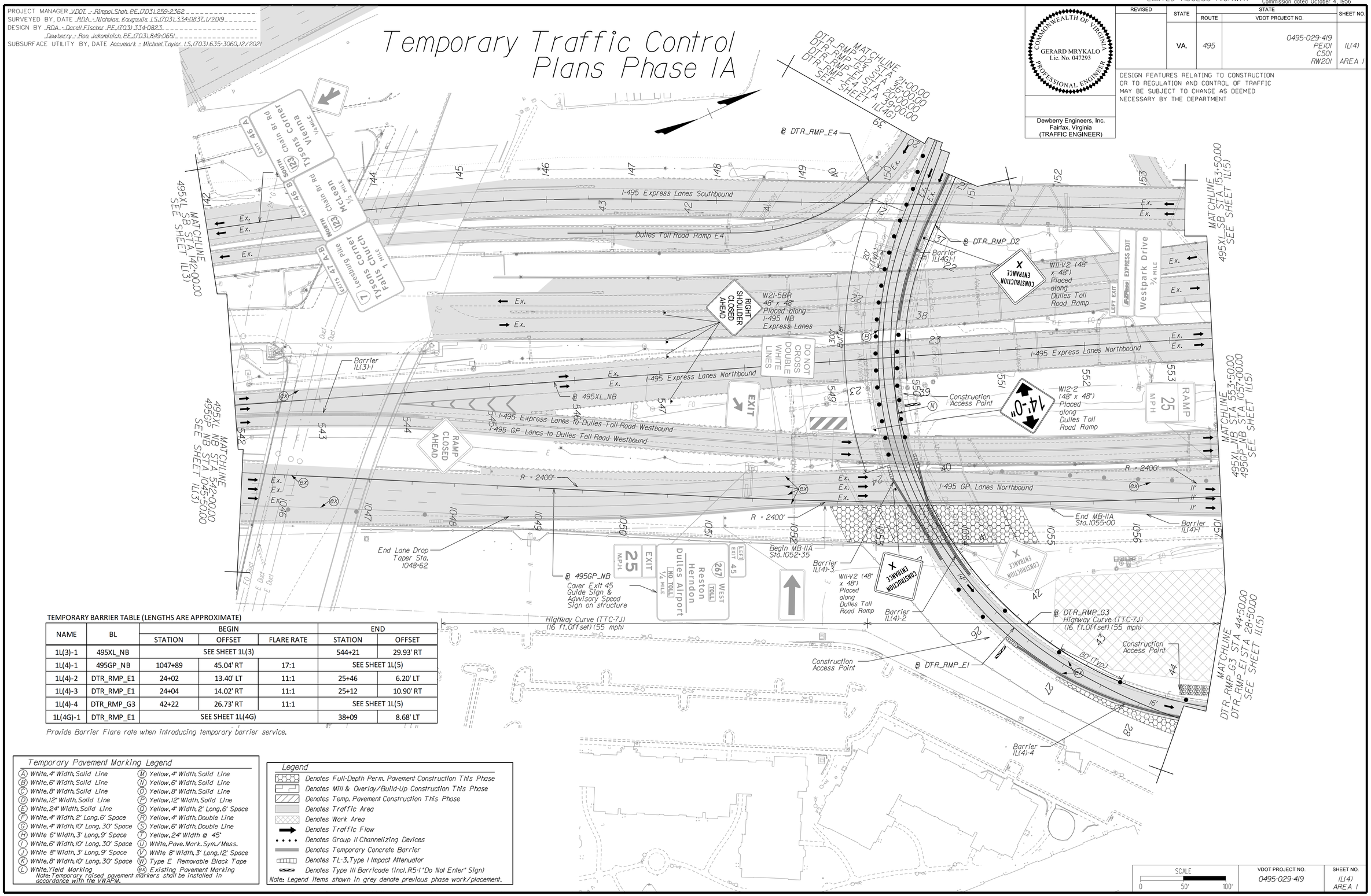
Temporary Traffic Control Plans Phase IA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(4) AREA 1

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(3)-1	495XL_NB	SEE SHEET 1L(3)			544+21	29.93' RT
1L(4)-1	495GP_NB	1047+89	45.04' RT	17:1	SEE SHEET 1L(5)	
1L(4)-2	DTR_RMP_E1	24+02	13.40' LT	11:1	25+46	6.20' LT
1L(4)-3	DTR_RMP_E1	24+04	14.02' RT	11:1	25+12	10.90' RT
1L(4)-4	DTR_RMP_G3	42+22	26.73' RT	11:1	SEE SHEET 1L(5)	
1L(4G)-1	DTR_RMP_E1	SEE SHEET 1L(4G)			38+09	8.68' LT

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking

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

- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width ⌀ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) Existing Pavement Marking

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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IL(4) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

REVISED	STATE	ROUTE	VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1L(4G) AREA 1

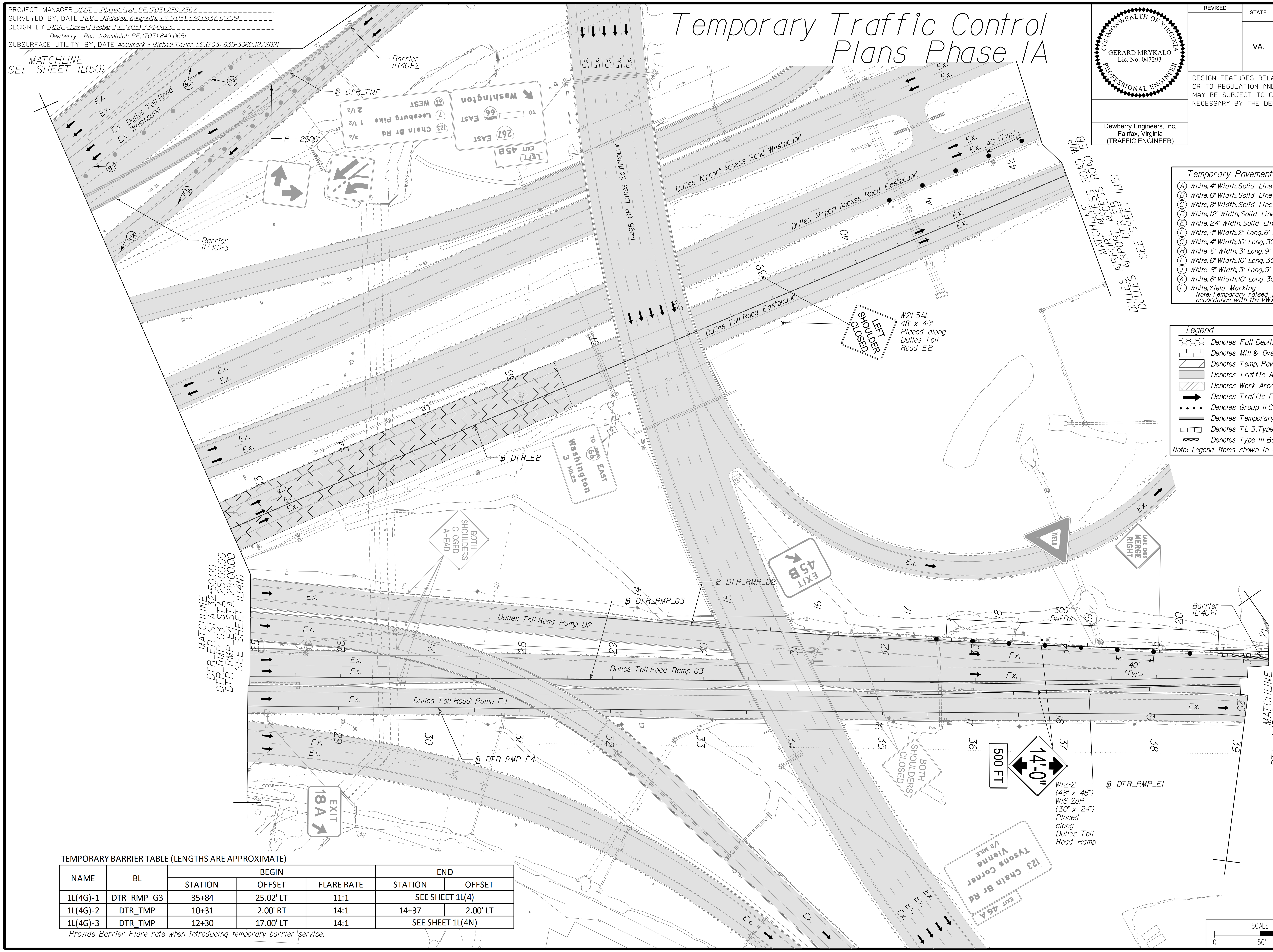
COMMONWEALTH OF VIRGINIA
GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

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

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 - Rimpal Shah PE,(703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kougoulis LS,(703) 334-0837,1/2019
DESIGN BY RDA - Darell 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

Temporary Traffic Control Plans Phase 1A



Temporary Pavement Marking Legend

Ⓐ White, 4" Width, Solid Line
Ⓑ White, 6" Width, Solid Line
Ⓒ White, 8" Width, Solid Line
Ⓓ White, 12" Width, Solid Line
Ⓔ White, 24" Width, Solid Line
Ⓕ White, 4" Width, 2' Long, 6' Space
Ⓖ White, 4" Width, 10' Long, 30' Space
Ⓗ White 6" Width, 3' Long, 9' Space
Ⓘ White, 6" Width, 10' Long, 30' Space
Ⓙ White 8" Width, 3' Long, 9' Space
Ⓚ White, 8" Width, 10' Long, 30' Space
Ⓛ White, Yield Marking
Ⓜ Yellow, 4" Width, Solid Line
Ⓝ Yellow, 6" Width, Solid Line
Ⓞ Yellow, 8" Width, Solid Line
Ⓟ Yellow, 12" Width, Solid Line
Ⓠ Yellow, 4" Width, 2' Long, 6' Space
Ⓡ Yellow, 4" Width, Double Line
Ⓢ Yellow, 6" Width, Double Line
Ⓣ Yellow, 24" Width @ 45°
Ⓤ White, Pave. Mark. Sym./Mess.
Ⓥ White 8" Width, 3' Long, 12' Space
Ⓦ Type E Removable Black Tape
(ex) 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(4G)-1	DTR_RMP_G3	35+84	25.02' LT	11:1	SEE SHEET 1L(4)	
1L(4G)-2	DTR_TMP	10+31	2.00' RT	14:1	14+37	2.00' LT
1L(4G)-3	DTR_TMP	12+30	17.00' LT	14:1	SEE SHEET 1L(4N)	

Provide Barrier Flare rate when introducing temporary barrier service.

NOVA DISTRICT

12/16/2022

SCALE 0 50' 100'

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor, LS_(703) 635-3060_12/2021

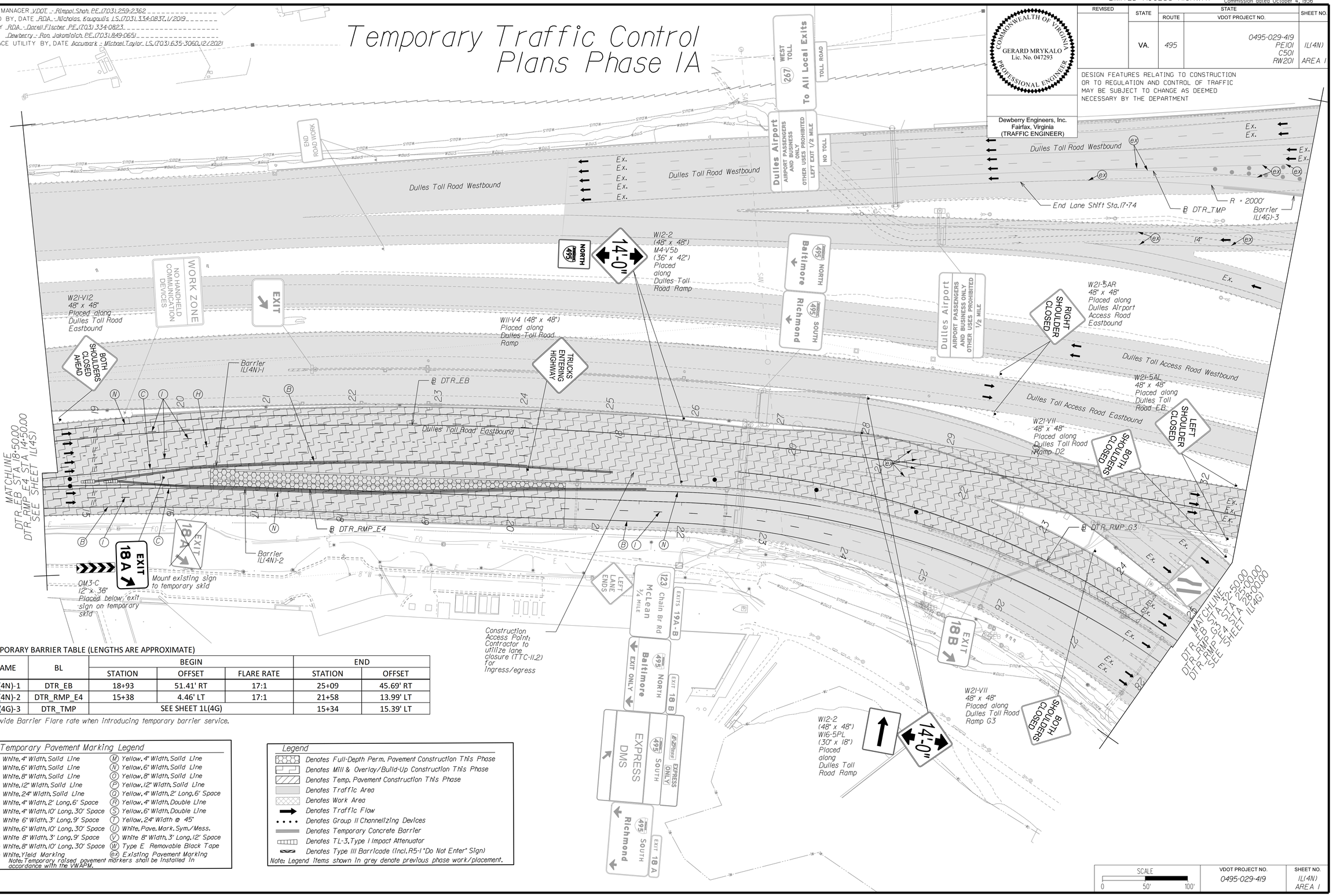
Temporary Traffic Control Plans Phase IA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(4N) AREA I

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(4N)-1	DTR_EB	18+93	51.41' RT	17:1	25+09	45.69' RT
1L(4N)-2	DTR_RMP_E4	15+38	4.46' LT	17:1	21+58	13.99' LT
1L(4G)-3	DTR_TMP	SEE SHEET 1L(4G)			15+34	15.39' LT

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) 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.	SHEET NO.
	0495-029-419	IL(4N) AREA I

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022 3:44:28 PM | 35x23 (In.) | default_RDA.tbl | pw:\\r1nkerdesign-pw.bentley.com:r1nkerdesign-pw-01\Documents\Projects\Fredericksburg\90731\07 Project Standards\Print Drivers\default_RDA.tbl | c:\bms\r1nkerdesign-pw-01\david chakansky\dms01687\VDOTLD Local PDF.pltcfg | 50.0000 ft / In. | I495NEXT_AI_RDW_01L(04S).dgn | Plotted By: dchakansky

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS, (703) 334-0837, 1/2019
DESIGN BY _RDA_ - Darell Fischer, PE, (703) 334-0823,
Dewberry - Ron Jakomiolch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase IA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(4S) AREA I

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

Dulles Toll Road Westbound
Dulles Airport Access Road Westbound
Dulles Airport Access Road Eastbound
Dulles Toll Road Eastbound
Ex.
℄ DTR_EB
℄ DTR_RMP_E4
40' (Typ.)
MATCHLINE
DTR_EB_STA 18+50.00
DTR_RMP_E4 STA 14+50.00
SEE SHEET IL(4N)

EXIT 17 684 Spring Hill Rd 1/4 MILE
TOLL PLAZA 1 MILE CARS $2.50
LEFT EXIT Dulles Airport AIRPORT TRAFFIC ONLY NO TOLL EXIT ONLY
EXIT 66 EAST Washington 3 MILES
Baltimore Richmond (495) EXIT ONLY EXIT 18
EXIT 66 EAST West Falls Church Washington NO TOLL
EXIT 18 B (495) NORTH Baltimore 1/4 MILE
EXPRESS DMS (495) SOUTH EXPRESS USE EXIT 18A
(495) SOUTH Richmond 1/4 MILE EXIT ONLY EXIT 18 A

ROAD WORK AHEAD
Located 1300' prior to W21-5BR
W20-1
48" x 48"
Placed along Dulles Airport Access Road Eastbound

W21-5BR
48" x 48"
Placed along Dulles Airport Access Road Eastbound
RIGHT SHOULDER CLOSED AHEAD

BOTH SHOULDERS CLOSED
W21-VII
48" x 48"
Placed along Dulles Toll Road Eastbound

BOTH SHOULDERS CLOSED AHEAD
Located 1300' prior to W21-VII
W21-V12
48" x 48"
Placed along Dulles Toll Road Eastbound

ROAD WORK NEXT 2 MILES
Located 1300' prior to W21-V12
W21-V2
48" x 48"
Placed along Dulles Toll Road Eastbound

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	(ex) 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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IL(4S) AREA I

APPROVED FOR CONSTRUCTION

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darell Fischer_PE_(703) 334-0823
Dewberry - Ron Jakomaich, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase IA

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	(EX) Existing Pavement Marking

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

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(5) AREA 1

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

MATCHLINE SEE SHEET IL(5Q)

DULLES AIRPORT ACCESS ROAD WB
DULLES AIRPORT ACCESS ROAD EB
DTR_EB
SEE SHEET IL(4G)

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET IL(4)

MATCHLINE 495XL_SB STA 158+00.00 495XL_NB STA 158+00.00 DTR_RMP_G10 STA 44+50.00 495GP_NB END STA 44+50.00 SEE AREA 1 FOR CONTINUATION

I-495 Express Lanes Southbound
I-495 Express Lanes Northbound
I-495 GP Lanes to Dulles Toll Road Westbound
I-495 GP Lanes Northbound
Dulles Toll Road Eastbound
Dulles Toll Road Westbound
Dulles Toll Road Access Road Eastbound
Dulles Toll Road Access Road Westbound
Jones Branch Drive
EXPRESS EXIT
LEFT EXIT
RAMP
45 M.P.H.
EXPRESS
DMS
EXIT 45
EXIT 25 M.P.H.
Dulles Airport (NO TOLL)
Reston Herndon (267 WEST TOLL)
NORTH (495)
Cover Exit 45 Guide Sign & Advisory Speed Sign on structure
LANE ENDS MERGE RIGHT
CONSTRUCTION ENTRANCE X
RIGHT SHOULDER CLOSED
W11-V2 (48" x 48") Placed along Dulles Airport Access Road
W21-5AR 48" x 48" Placed along 495 NB
Previously Installed temporary barrier panels
750 ft Long Shift (TTC-40.2) (16 ft Offset) (55 mph)
RAMP CLOSED
KEEP RIGHT
DO NOT CROSS DOUBLE WHITE LINES
CONSTRUCTION ENTRANCE X
W11-V2 (48" x 48") Placed along 495 NB
Barrier IL(5)-6
Barrier IL(5)-5
300' Buffer
40' (Typ.)
80' (Typ.)
Begin Lane Shift
Butting Traffic Barrier Service to Single Face Parapet Service
W11-V2 (48" x 48") Placed along 495 NB
Barrier IL(5)-7
W11-V2 (48" x 48") Placed along NB 495 On-Ramp
Barrier IL(4)-1
Barrier IL(4)-4
Barrier IL(5)-1
Barrier IL(5)-2
Barrier IL(5)-4
Construction Access Point
Highway Curve (TTC-7.J) (16 ft Offset) (55 mph)
Contractor shall construct this area utilizing shoulder/lane closure (TTC-4.2/16.2) during off-peak and/or night-time hours, as necessary.
BOTH SHOULDERS CLOSED
W21-VII 48" x 48" Placed along NB 495 On-Ramp
End Lane Shift Sta. 420+95
@ 495XL_SB
@ 495_NB
@ 495GP_NB
@ DTR_EB
@ DAR_EB
@ DAR_WB
@ DTR_RMP_E1
@ DTR_RMP_G10
@ DTR_RMP_G3
@ DTR_RMP_E3
@ DTR_WB
MATCHLINE 495XL_NB STA 153+50.00 495GP_NB STA 1057+00.00 SEE SHEET IL(4)
MATCHLINE DTR_RMP_G3 STA 44+50.00 DTR_RMP_E3 STA 28+50.00 SEE SHEET IL(4)
MATCHLINE DTR_RMP_G10 AREA 1 SEE FOR CONTINUATION
MATCHLINE DTR_WB STA 420+00.00 DTR_RMP_E10 STA 12+00.00 DTR_RMP_E3 STA 25+00.00 SEE SHEET IL(5J)

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN STATION	BEGIN OFFSET	BEGIN FLARE RATE	END STATION	END OFFSET
1L(4)-1	495GP_NB	SEE SHEET 1L(4)			1059+73	29.18' RT
1L(4)-4	DTR_RMP_G1	SEE SHEET 1L(4)			46+19	7.97' RT
1L(5)-1	DTR_EB	157'	LT	17:1	SEE SHEET 1L(5)	
1L(5)-2	DTR_EB	259'	RT	17:1	SEE SHEET 1L(5)	
1L(5)-1	DTR-WB	SEE SHEET 1L(5)			232'	RT
1L(5)-4	DTR_RMP_G1	52+51	8.43' RT	17:1	54+19	11.92' RT
1L(5)-5	495_GP_NB	1067+81	24.24' LT	17:1	SEE SHEET 1L(6)	
1L(5)-6	495XL_NB	566+53	16.51' RT	20:1	SEE SHEET 1L(6)	
1L(5)-7	DTR_RMP_G10	17+10	17.81' RT	13:1	SEE SHEET 1L(6)	

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.

SCALE 0 50' 100' | VDOT PROJECT NO. 0495-029-419 | SHEET NO. IL(5) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darell Fischer_PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE_(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	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(5J) AREA 1

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

WII-V2 (48" x 48") Placed along Dulles Toll Road

CONSTRUCTION ENTRANCE

℄ DTR_RMP_G10

RIGHT SHOULDER CLOSED

W2I-5aR (48" x 48") Placed along Dulles Toll Road Westbound

Existing guardrail to remain

W20-1 48" x 48" Placed along Dulles Toll Road Ramp

ROAD WORK AHEAD

750 ft Lane Shift (TTC-402) (8 ft. Offset) (55 mph)

MATCHLINE DTR_RMP_G10 STA 12+00.00 DTR_WB STA 420+00.00 SEE SHEET IL(5)

MATCHLINE DTR_RMP_E3 STA 23+00.00 SEE SHEET IL(5)

MATCHLINE DTR_WB STA 406+50.00 SEE SHEET IL(5N)

Dulles Toll Road Westbound

Exit 18 — 495 North — Baltimore

267 Toll West — Reston Herndon — Dulles Airport — No Toll

℄ DTR_WB

℄ DTR_RMP_E3

Barrier IL(5J)-1

300' Buffer

120'

80' (Typ.)

40' (Typ.)

Dulles Toll Access Road Westbound

Construction Egress Point

Existing guardrail to remain

Remove existing guardrail to provide access for construction egress

Barrier IL(5N)-2

℄ DAR_WB

Barrier IL(5J)-2

WII-V2 (48" x 48") Placed along Dulles Airport Access Road

Dulles Toll Access Road Eastbound

℄ DAR_EB

Barrier IL(5)-1

Existing guardrail to remain

Dulles Toll Road Eastbound

℄ DTR_EB

EXIT 19 A

END ROAD WORK

G20-2(V) 60" x 24" Placed along Dulles Toll Road Eastbound and Dulles Airport Access Road

NOVA DISTRICT

12/16/2022

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	(ex)	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
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- Denotes Work Area
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- 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 STATION	BEGIN OFFSET	BEGIN FLARE RATE	END STATION	END OFFSET
1L(5)-1	DTR_EB	SEE SHEET 1L(5)			93'	LT
1L(5)-2	DTR_EB	SEE SHEET 1L(5)			83'	RT
1L(5J)-1	DTR_WB	131'	RT	17:1	SEE SHEET 1K(5)	
1L(5N)-2	DTR_WB	SEE SHEET 1L(5N)			52'	RT
1L(5N)-1	DTR_WB	SEE SHEET 1K(5N)			412+78	0.84' RT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IL(5J) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703) 635-3060_12/2021

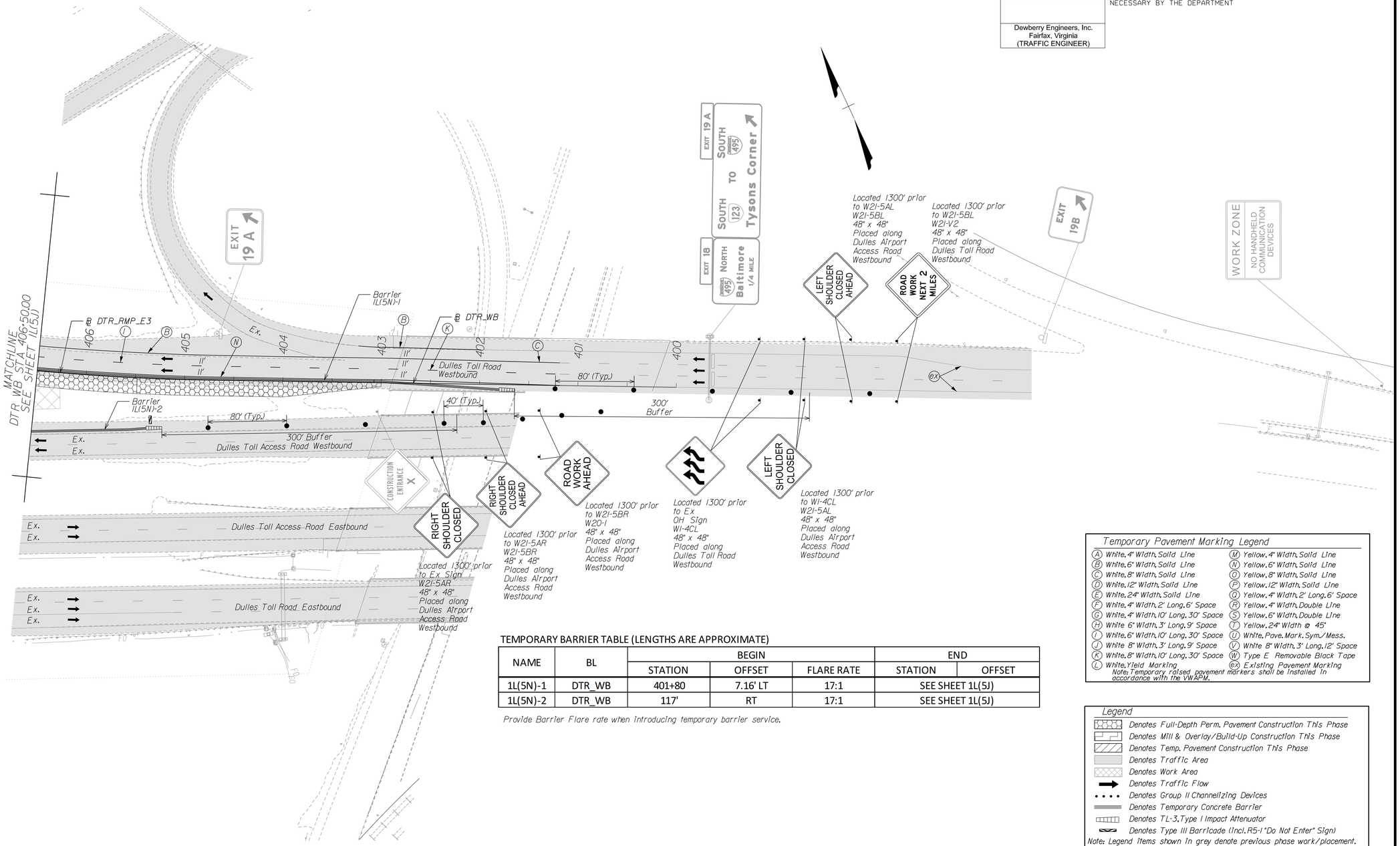
Temporary Traffic Control Plans Phase IA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(5N) AREA I

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(5N)-1	DTR_WB	401+80	7.16' LT	17:1	SEE SHEET 1L(5J)	
1L(5N)-2	DTR_WB	117'	RT	17:1	SEE SHEET 1L(5J)	

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	(ex) 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
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- Denotes Work Area
- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
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- 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	IL(5N) AREA I

NOVA DISTRICT

12/16/2022

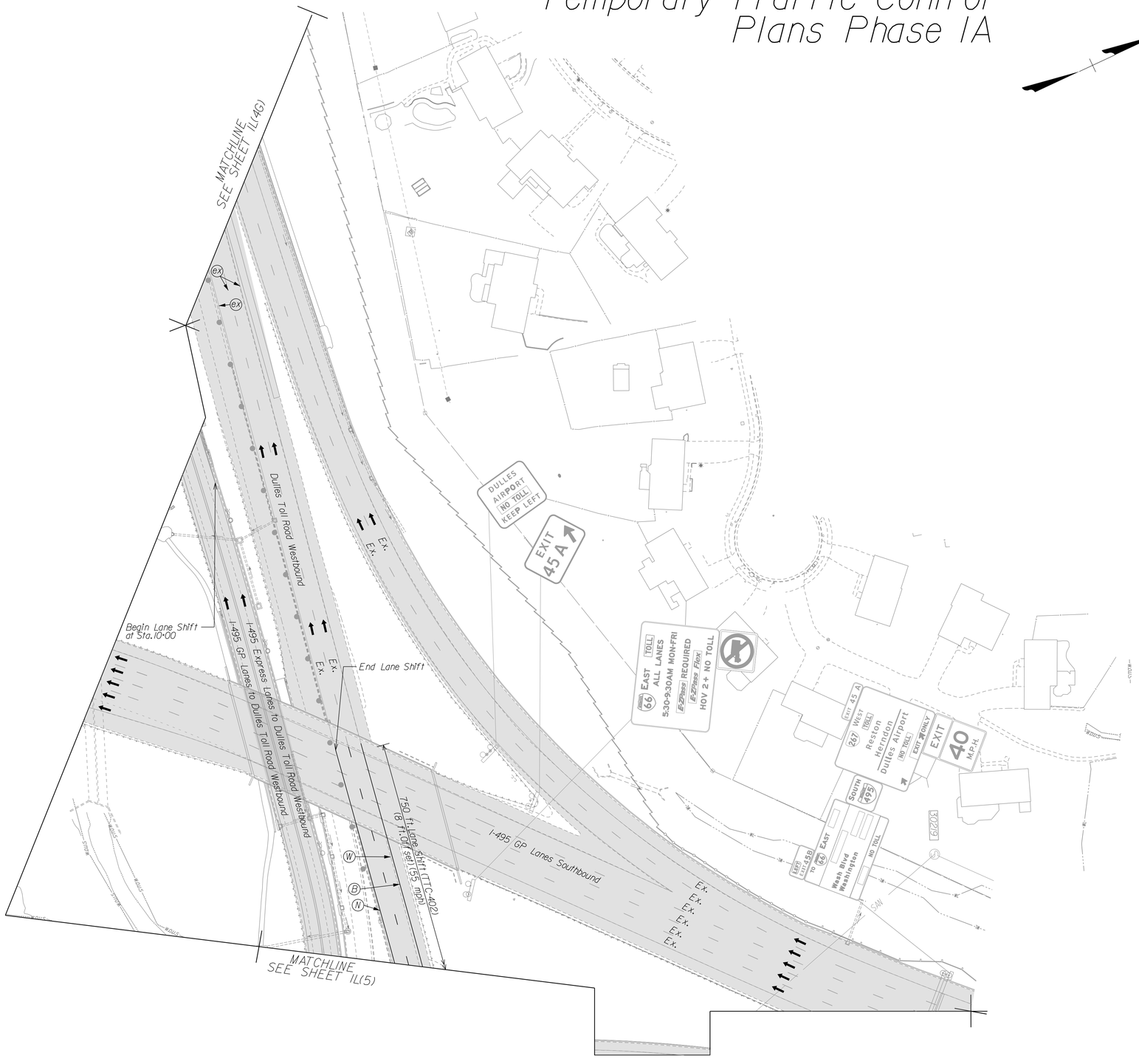
APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER VDOT - Rimpal 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 Jakomiolch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase IA



REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IL(5Q) AREA I

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

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

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	(ex) 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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IL(5Q) AREA I

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor_LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase IB

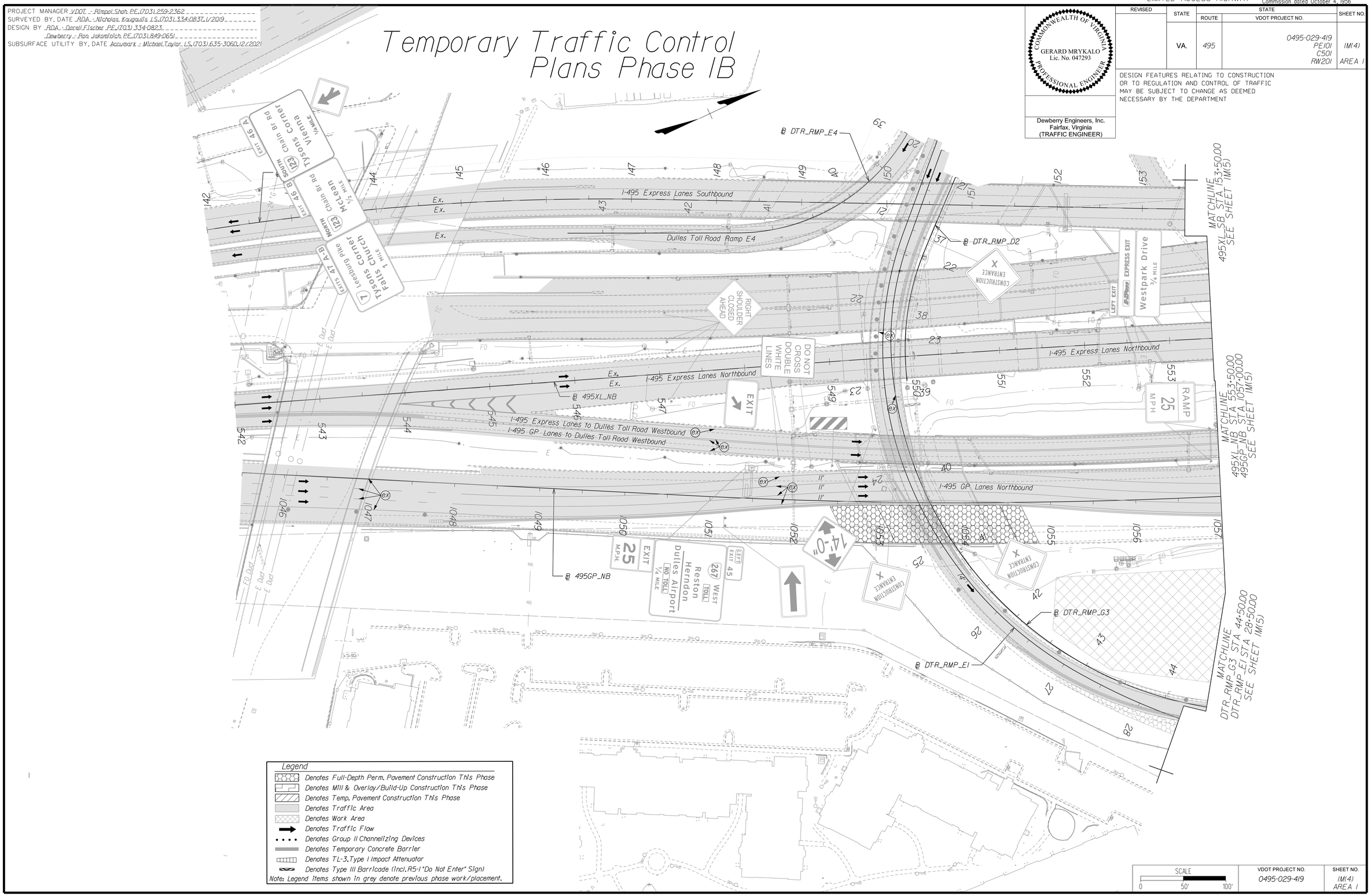
COMMONWEALTH OF VIRGINIA
GERARD MRYKALO
Lic. No. 047293
PROFESSIONAL ENGINEER

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

REVISED	STATE	ROUTE	VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IM(4) AREA 1

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



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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IM(4) AREA 1

APPROVED FOR CONSTRUCTION

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS, (703) 334-0837, 1/2019
DESIGN BY _RDA_ - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiak, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor, LS, (703) 635-3060, 12/2021

Temporary Traffic Control Plans Phase IB

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	(ex) Existing Pavement Marking

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

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IM(5) AREA 1

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

MATCHLINE SEE SHEET IM(5Q)

MATCHLINE SEE SHEET IM(5O)

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET IM(4)

MATCHLINE 495XL_NB STA 153+50.00 495GP_NB STA 1057+00.00 SEE SHEET IM(4)

MATCHLINE DTR_RMP_G3 STA 44+50.00 DTR_RMP_E1 STA 28+50.00 SEE SHEET IM(4)

MATCHLINE DTR_WB STA 420+00.00 DTR_RMP_G10 STA 12+00.00 DTR_RMP_E3 STA 23+00.00 SEE SHEET IM(5J)

MATCHLINE 495XL_SB STA 168+00.00 495XL_NB STA 567+50.00 DTR_RAMP_E1 STA 44+00.00 495GP_NB STA 1071+00.00 END AREA 1 SEE AREA 2 PHASE IB FOR CONTINUITY

MATCHLINE DTR_RMP_G10 STA 18+50.00 END AREA 1 SEE AREA 2 PHASE IB FOR CONTINUITY

DO NOT CROSS DOUBLE WHITE LINES

Jones Branch Drive

EXPRESS EXIT

LEFT EXIT

RAMP 45 M.P.H.

USE RIGHT MERGE

CONSTRUCTION ENTRANCE

RIGHT SHOULDER CLOSED

Previously Installed temporary barrier panels

I-495 Express Lanes Southbound

I-495 Express Lanes Northbound

I-495 GP Lanes Northbound

℄ 495XL_SB

℄ 495XL_NB

℄ 495GP_NB

EXIT 25 M.P.H.

Dulles Airport
Reston
Herndon
(267) WEST TOLL
(NO TOLL)
NORTH (495)

Cover Exit 45 Guide Sign & Advisory Speed Sign on structure

RAMP CLOSED

KEEP RIGHT

Dulles Toll Road Eastbound

Dulles Toll Access Road Eastbound

Dulles Toll Access Road Westbound

I-495 Express Lanes to Dulles Toll Road Westbound

I-495 GP Lanes to Dulles Toll Road Westbound

Dulles Toll Road Westbound

℄ DTR_EB

℄ DAR_EB

℄ DAR_WB

℄ DTR_WB

℄ DTR_RMP_E1

℄ DTR_RMP_G3

℄ DTR_RMP_G10

℄ DTR_RMP_E3

300' Buffer

40' (Typ.)

80' (Typ.)

Barrier IM(5)-1

Barrier IM(5)-2

Construction Access Point

WI-4R (48" x 48") Placed along NB 495 On-Ramp

Legend

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- 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 STATION	BEGIN OFFSET	BEGIN FLARE RATE	END STATION	END OFFSET
1M(5)-1	495_GP_NB	1069+21	51.60' RT	17:1	SEE SHEET 1M(6)	
1M(5)-2	DTR_RMP_G10	17+46	1.28' LT	13:1	SEE SHEET 1M(6)	

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	IM(5) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER_VDOT_-_Rimpal_Shah_PE_(703)_259-2362_____
SURVEYED BY, DATE_RDA_-_Nicholas_Kaugaulis_LS_(703)_334-0837_1/2019_____
DESIGN BY_RDA_-_Darell_Fischer_PE_(703)_334-0823_____
_____Dewberry_-_Ron_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE_Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

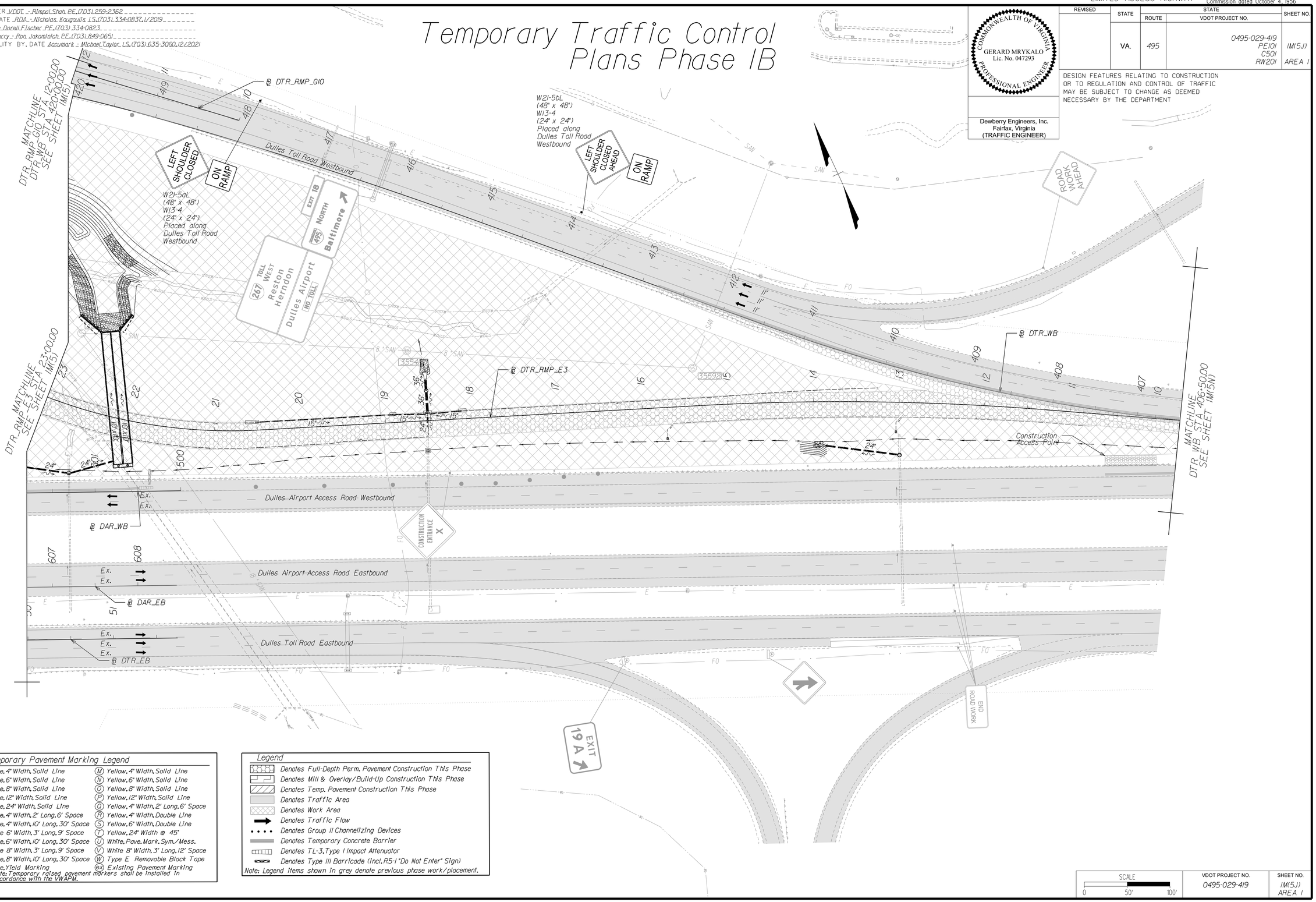
Temporary Traffic Control Plans Phase IB

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IM(5J) AREA 1

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
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking

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

- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) Existing Pavement Marking

Legend

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

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IM(5J) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703) 635-3060_12/2021

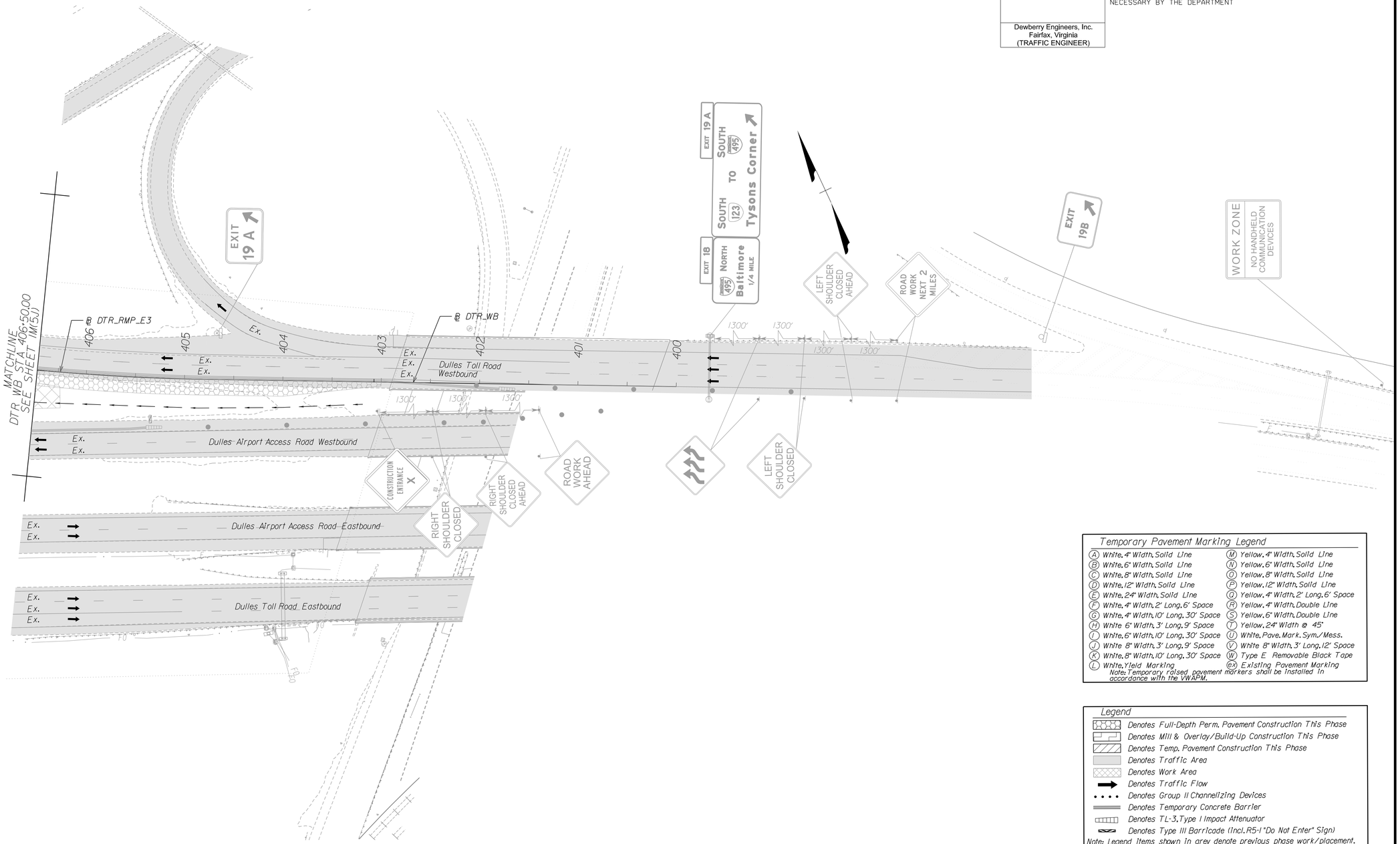
Temporary Traffic Control Plans Phase IB

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IM(5N) AREA 1

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	(EX) 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
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- Denotes Work Area
- Denotes Traffic Flow
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- 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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IM(5N) AREA 1

NOVA DISTRICT

12/16/2022

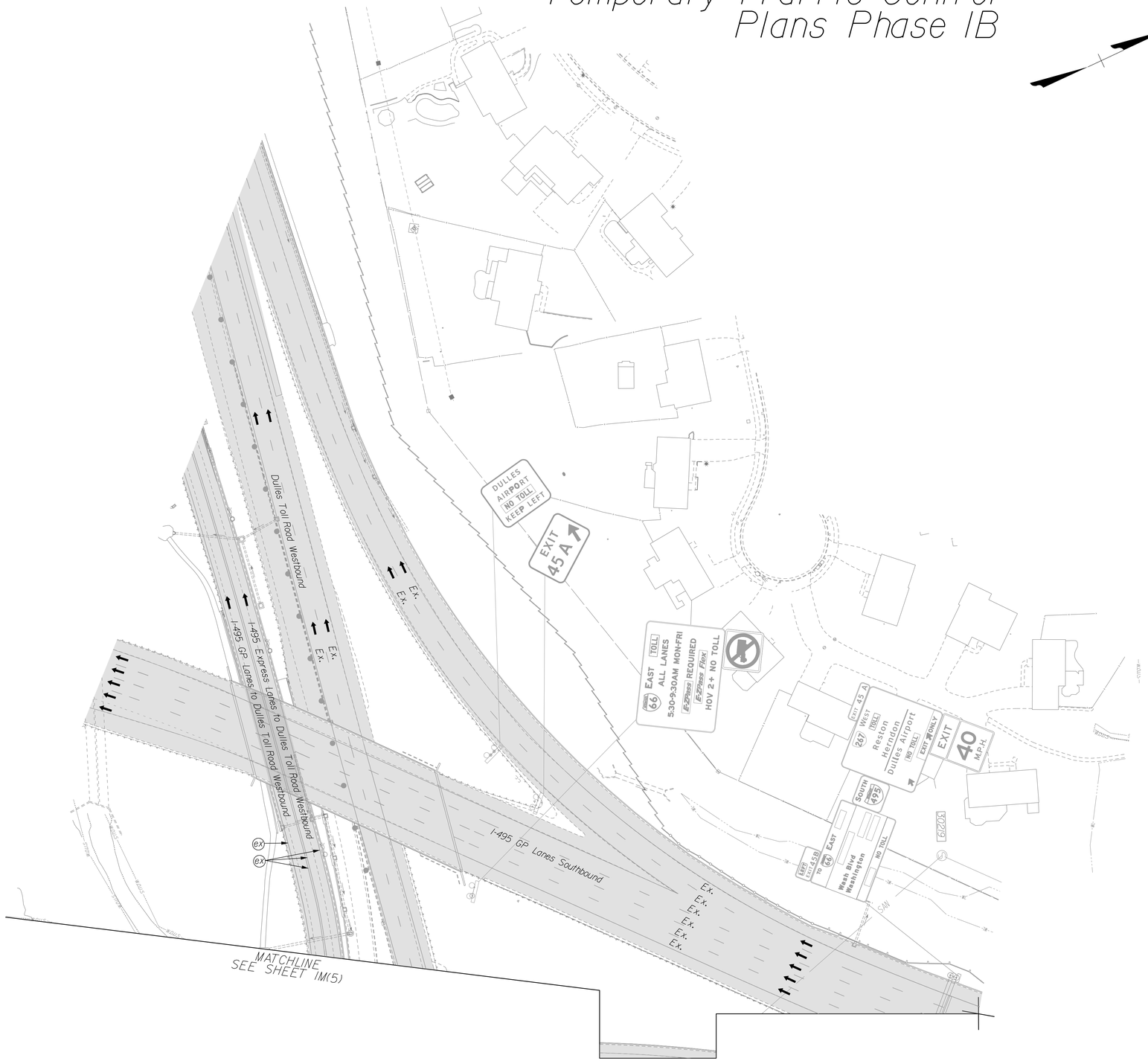
APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

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

Temporary Traffic Control Plans Phase IB



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
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(L) White, Yield Marking	(ex) Existing Pavement Marking

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

Legend

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- Denotes Type III Barricade (Incl. R5-1 "Do Not Enter" Sign)

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

COMMONWEALTH OF VIRGINIA
GERARD MRYKALO
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PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IM(5Q) AREA 1

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

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IM(5Q) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651)_____
SUBSURFACE UTILITY, DATE _Accumark_ - Michael T. Taylor_LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2A

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(3) AREA 1

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 Pavement Marking Legend

- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) 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
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- Denotes Traffic Flow
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- 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.	SHEET NO.
0495-029-419	IR(3) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauil's LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

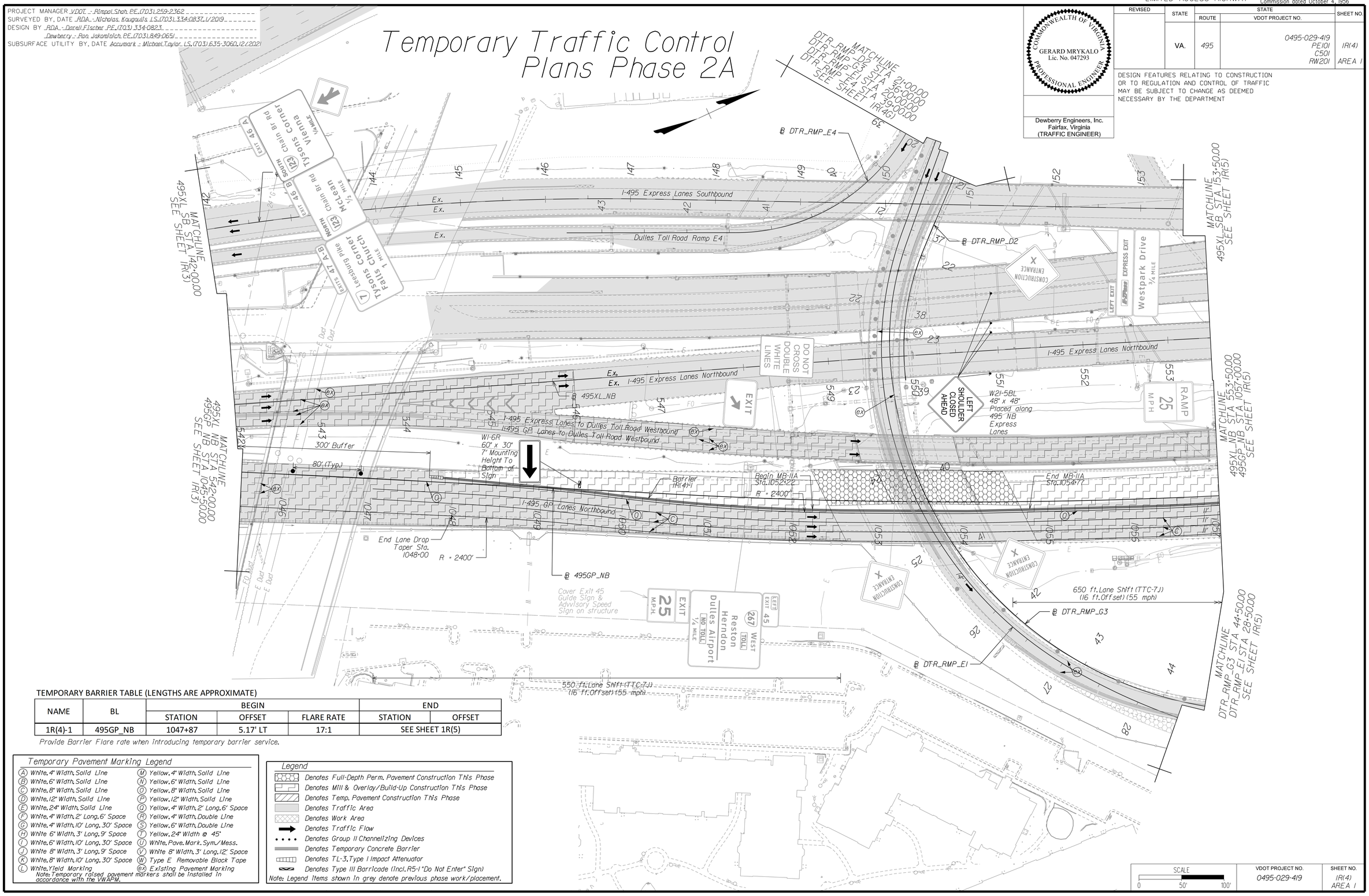
Temporary Traffic Control Plans Phase 2A

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(4) AREA 1

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(4)-1	495GP_NB	1047+87	5.17' LT	17:1	SEE SHEET 1R(5)	

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
- (U) White, Pave. Mark. Sym./Mess.
- (V) White 8" Width, 3' Long, 12' Space
- (W) Type E Removable Black Tape
- (ex) 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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IR(4) AREA 1

APPROVED FOR CONSTRUCTION

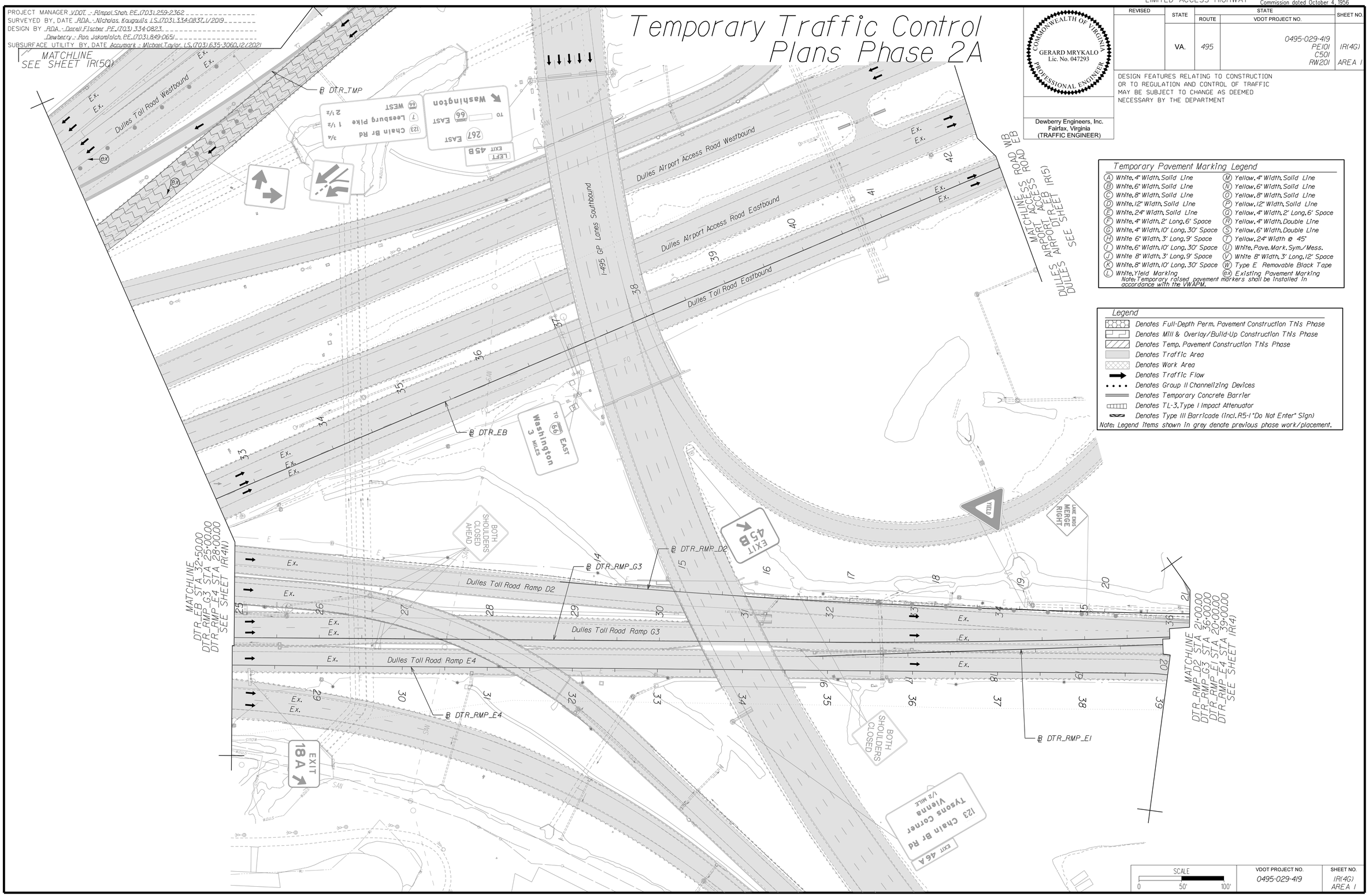
NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT - Rimpal Shah, PE, (703) 259-2362_
SURVEYED BY, DATE _RDA - Nicholas Kaugauls LS, (703) 334-0837, 1/2019_
DESIGN BY _RDA - Darrell Fischer, PE, (703) 334-0823_
Dewberry - Ron Jakomolich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021_

Temporary Traffic Control Plans Phase 2A



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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(4G) AREA I

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	(ex) 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.

NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IR(4G) AREA I

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darell Fischer_PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

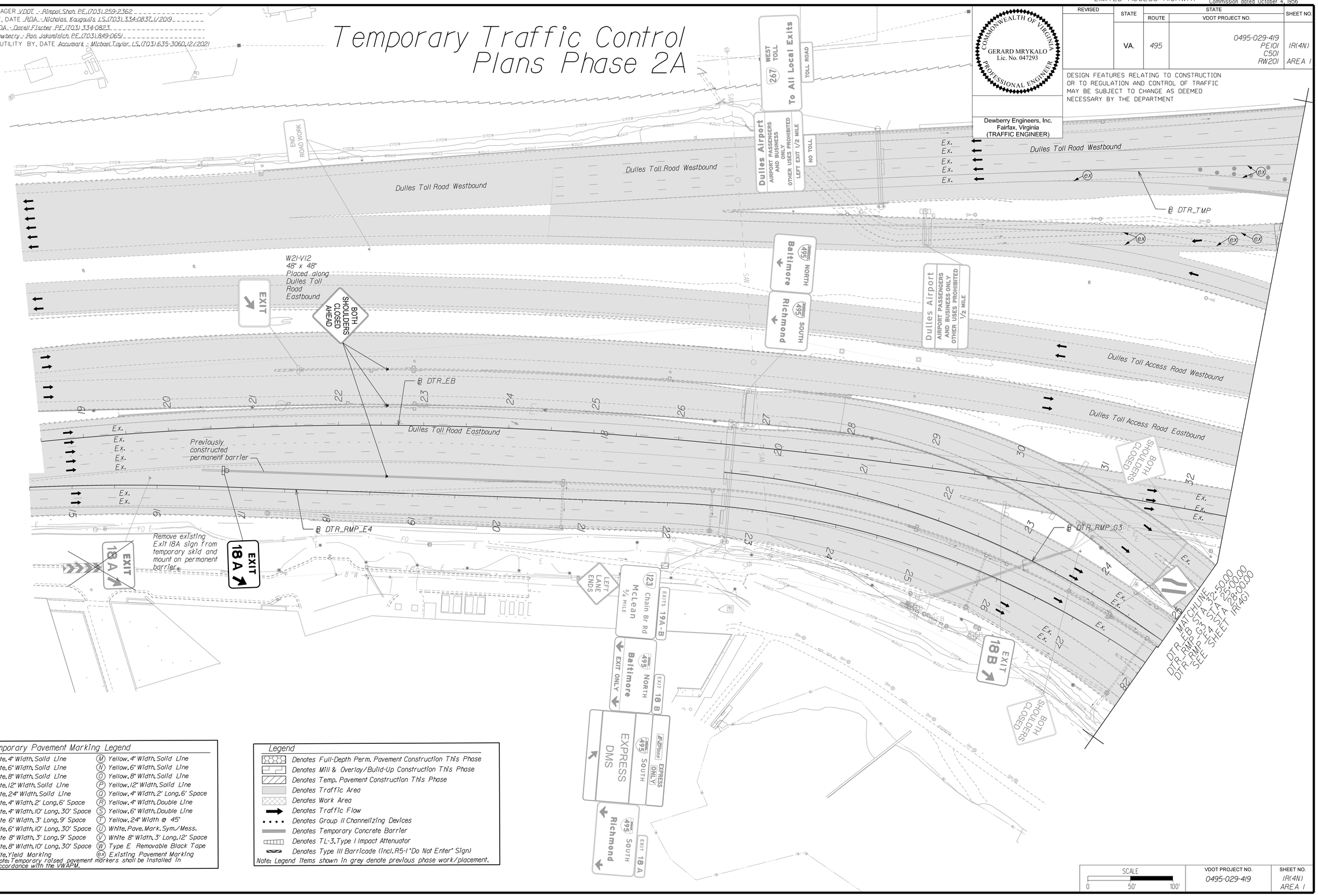
Temporary Traffic Control Plans Phase 2A

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(4N) AREA 1

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	(ex) 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
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- 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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IR(4N) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas Kaugaulis LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darell Fischer PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor, LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2A

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°
(J) White, 6" Width, 10' Long, 30' Space	(U) White, Pave. Mark. Sym./Mess.
(K) White 8" Width, 3' Long, 9' Space	(V) White 8" Width, 3' Long, 12' Space
(L) White, 8" Width, 10' Long, 30' Space	(W) Type E Removable Black Tape
(P) White, Yield Marking	(ex) Existing Pavement Marking

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

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

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(5) AREA 1

MATCHLINE SEE SHEET IR(5Q)

MATCHLINE DULLES AIRPORT ACCESS ROAD WB / DULLES AIRPORT ACCESS ROAD EB / DTR_EB SEE SHEET IR(4G)

MATCHLINE SEE SHEET IR(5O)

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET IR(4)

MATCHLINE 495XL_SB STA 168+00.00 / 495XL_NB STA 567+50.00 / DTR_RAMP_E1 STA 44+00.00 / 495GP_NB STA 107+00.00 / END AREA 1 / SEE AREA 2 PHASE 2A FOR CONTINUITY

MATCHLINE 495XL_NB STA 153+50.00 / 495GP_NB STA 105+70.00 / SEE SHEET IR(4)

MATCHLINE 495XL_NB STA 18+50.00 / DTR_RMP_G10 STA 12+00.00 / END AREA 1 / DTR_RAMP_E1 STA 28+50.00 / SEE AREA 2 PHASE 2A FOR CONTINUITY

MATCHLINE DTR_RMP_G3 STA 44+50.00 / DTR_RMP_E1 STA 28+50.00 / SEE SHEET IR(4)

MATCHLINE DTR_WB STA 420+00.00 / DTR_RMP_G10 STA 12+00.00 / DTR_RMP_E3 STA 23+00.00 / SEE SHEET IR(5J)

I-495 Express Lanes Southbound — ℄ 495XL_SB

I-495 Express Lanes Northbound — ℄ 495XL_NB

I-495 GP Lanes to Dulles Toll Road Westbound

I-495 GP Lanes Northbound — ℄ 495GP_NB

Dulles Toll Road Westbound

Jones Branch Drive — EXPRESS EXIT — LEFT EXIT — RAMP 45 M.P.H.

LEFT SHOULDER CLOSED

W21-5AL 48" x 48" Placed along 495 NB Express Lanes

LANE ENDS MERGE RIGHT

EXIT 25 M.P.H. — EXIT 45 LEFT — Dulles Airport (NO TOLL) — Herndon Reston (267 TOLL) WEST — NORTH 495

KEEP RIGHT

RAMP CLOSED — ℄ DTR_EB

Barrier IR(4)-1

Cover Exit 45 Guide Sign & Advisory Speed Sign on structure

DO NOT CROSS DOUBLE WHITE LINES

Dulles Toll Road Eastbound Access Road

Dulles Toll Road Westbound Access Road

℄ DAR_EB — ℄ DAR_WB

RAMP CLOSED — ℄ DTR_WB

Previously Installed temporary barrier panels

℄ DTR_RMP_E1 — ℄ DTR_RMP_G10 — ℄ DTR_RMP_G3 — ℄ DTR_RMP_E3

650 ft. Lane Shift (TTC-7J) (16 ft. Offset) (55 mph)

40' (Typ.)

W20-1 48" x 48" Placed along NB 495 On-r

ROAD WORK AHEAD

Legend

- Denotes Full-Depth Perm. Pavement Construction This Phase
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- 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 STATION	BEGIN OFFSET	BEGIN FLARE RATE	END STATION	END OFFSET
1R(4)-1	495GP_NB	SEE SHEET 1R(4)			1059+44	18.99' LT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE 0 50' 100' | VDOT PROJECT NO. 0495-029-419 | SHEET NO. IR(5) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
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SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

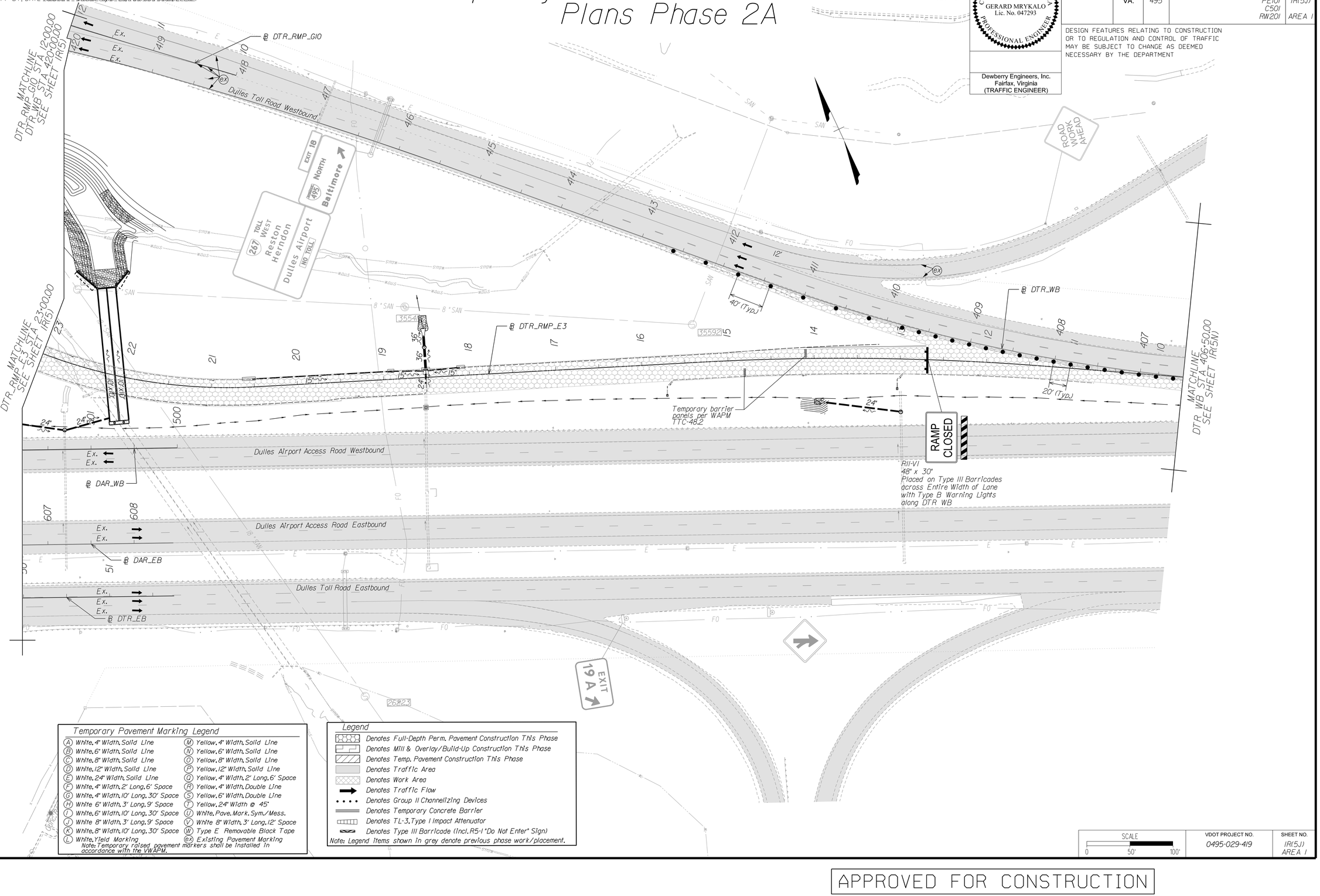
Temporary Traffic Control Plans Phase 2A

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(5J) AREA 1

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
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- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking

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

- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
- (S) Yellow, 6" Width, Double Line
- (T) Yellow, 24" Width @ 45°
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SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IR(5J) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019 _____
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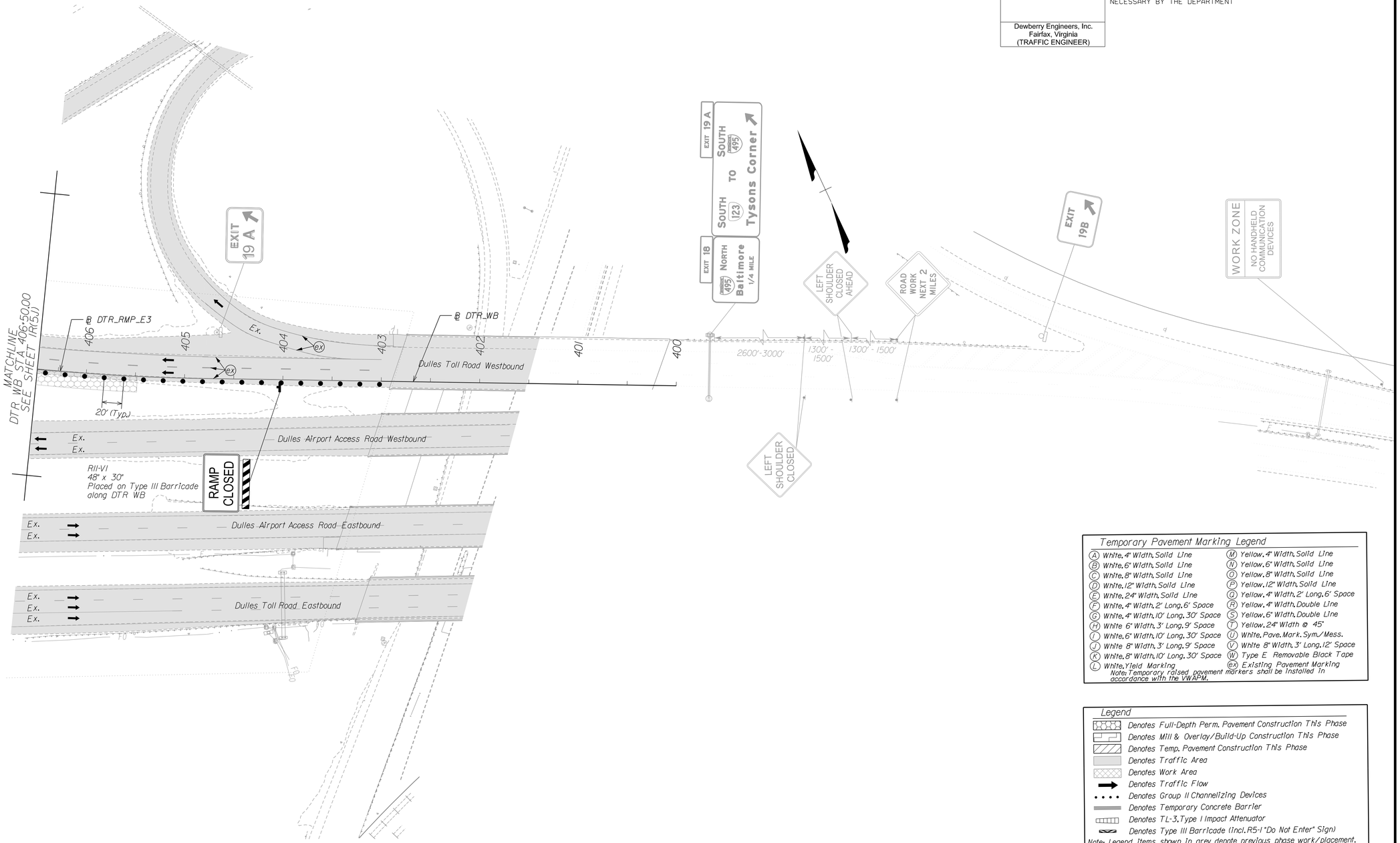
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor_ LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2A



Temporary Pavement Marking Legend

- (A) White, 4" Width, Solid Line
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- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
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- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
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- (J) White 8" Width, 3' Long, 9' Space
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- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
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Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

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

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COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(5N) AREA I

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

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IR(5N) AREA I

NOVA DISTRICT

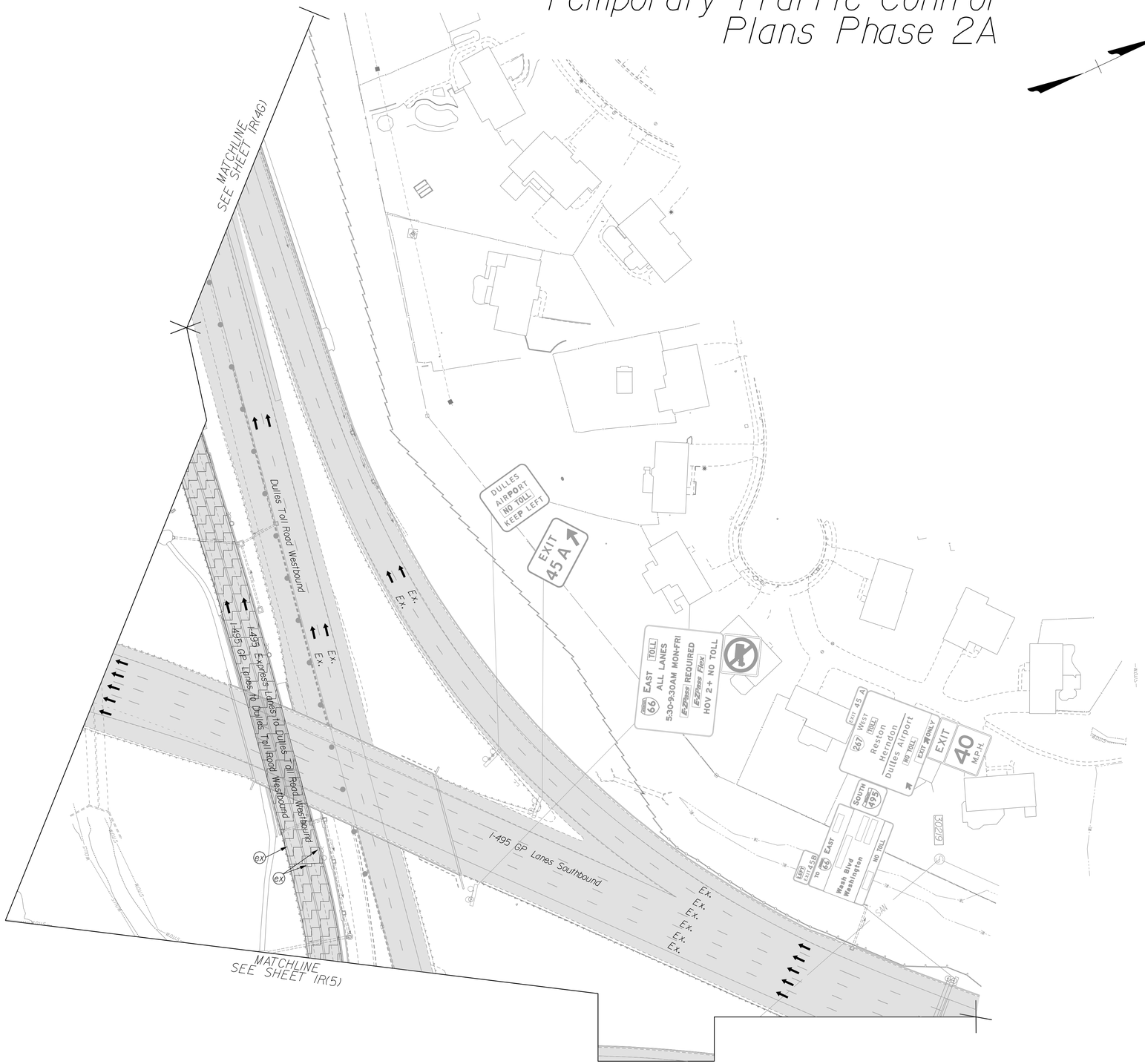
12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

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

Temporary Traffic Control Plans Phase 2A



NOVA DISTRICT

12/16/2022

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	(ex) Existing Pavement Marking

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

Legend

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

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IR(5Q) AREA 1

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

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IR(5Q) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal 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 Jakomiich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

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COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

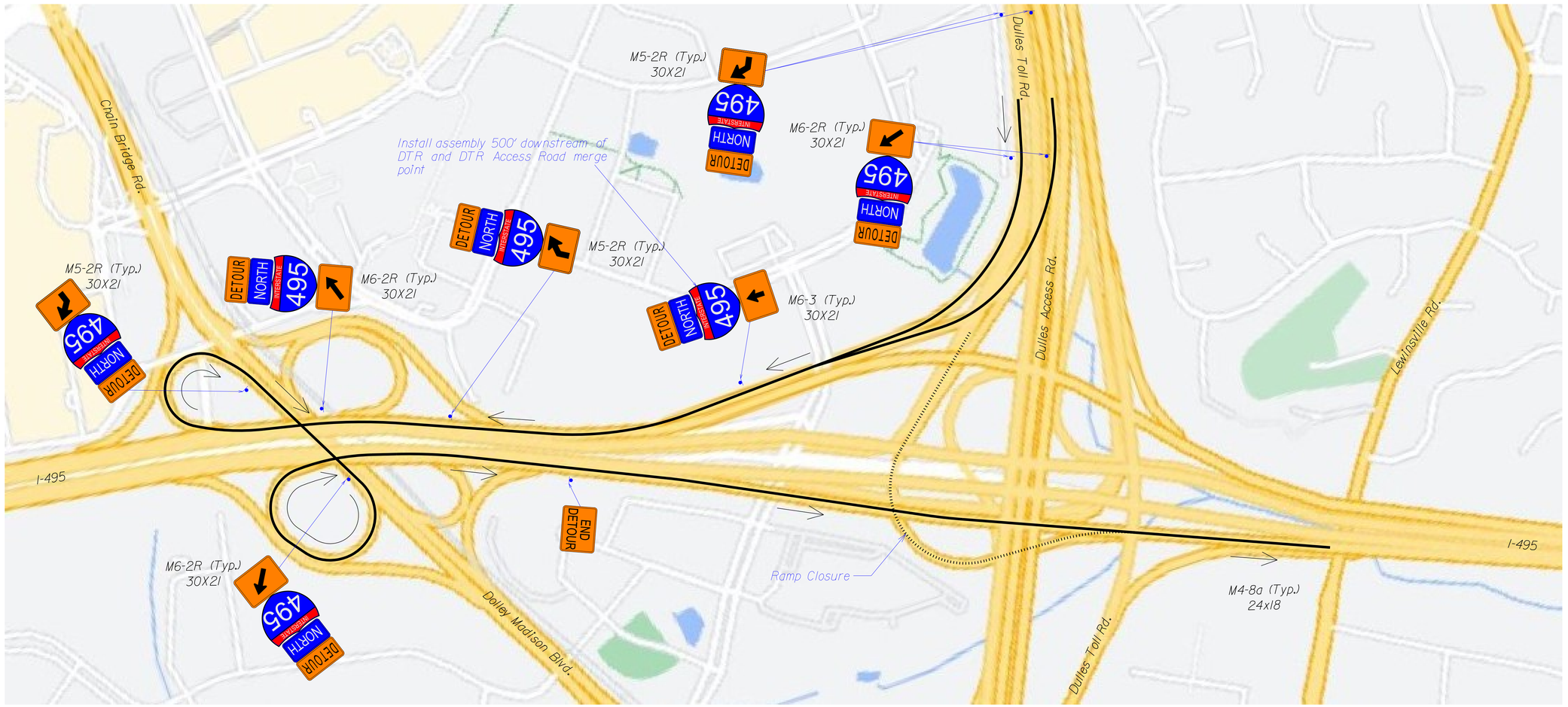
Dewberry Engineers, Inc.
Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO
	VA.	495	0495-029-419 PE101 C501 RW201	IS(0) AREA I

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

Detour Plan - Phase 2B
Dulles Toll Road EB to I-495 NB

Detour Map Legend
- Denotes Closed Route
- Denotes Detour Route
- Denotes Traffic Flow



Note:
Duration of this detour is valid during off peak and weekend hours.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 300' 600'	0495-029-419	IS(0) AREA I

NOVA DISTRICT

1/5/2023

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darrell Fischer PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2B

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IS(3) AREA 1

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 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	(ex) 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. IS(3) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor_LS_(703) 635-3060_12/2021

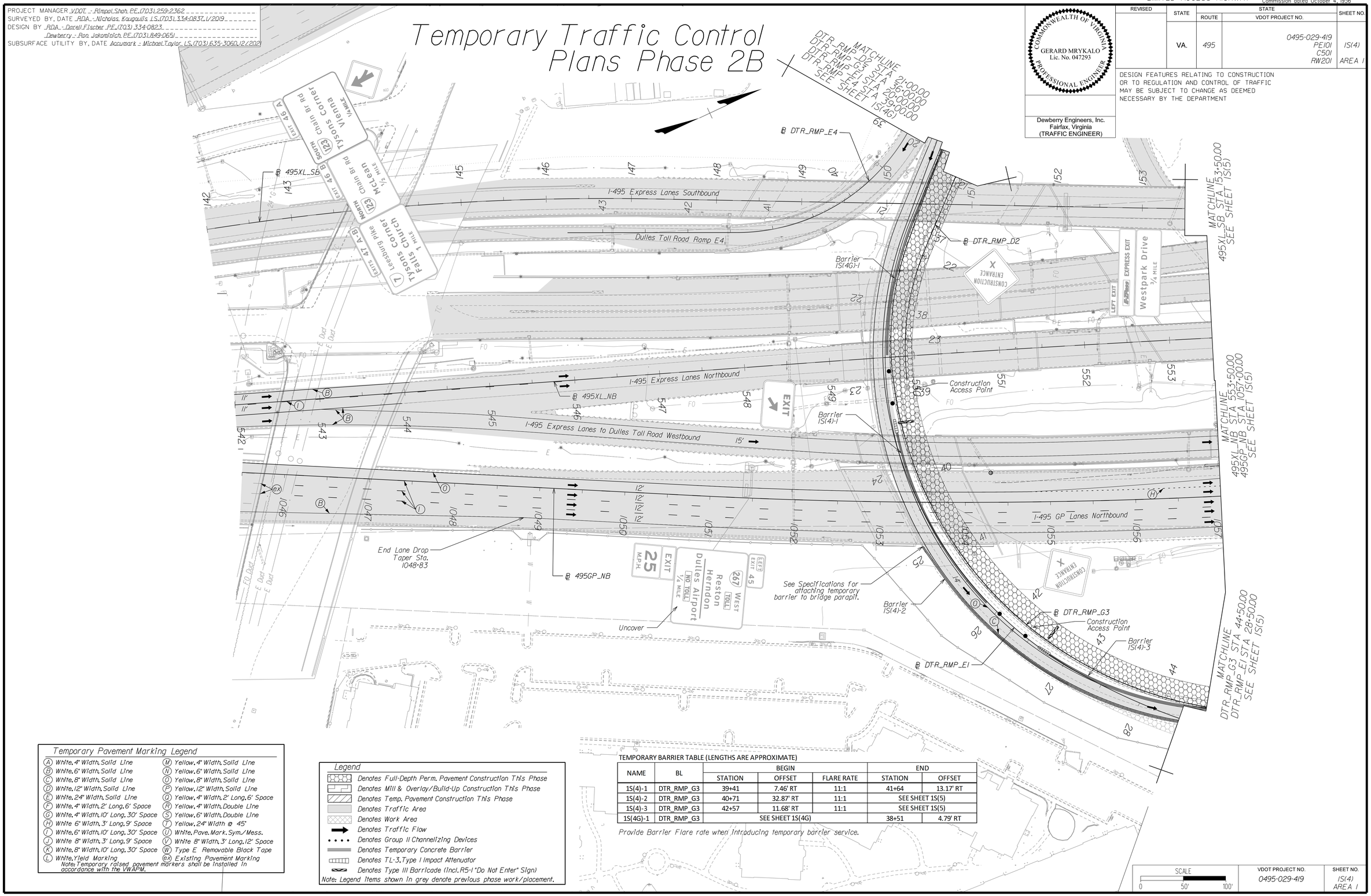
Temporary Traffic Control Plans Phase 2B

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1S(4) AREA 1

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

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN STATION	BEGIN OFFSET	BEGIN FLARE RATE	END STATION	END OFFSET
1S(4)-1	DTR_RMP_G3	39+41	7.46' RT	11:1	41+64	13.17' RT
1S(4)-2	DTR_RMP_G3	40+71	32.87' RT	11:1	SEE SHEET 1S(5)	
1S(4)-3	DTR_RMP_G3	42+57	11.68' RT	11:1	SEE SHEET 1S(5)	
1S(4G)-1	DTR_RMP_G3	SEE SHEET 1S(4G)			38+51	4.79' RT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	1S(4) AREA 1

APPROVED FOR CONSTRUCTION

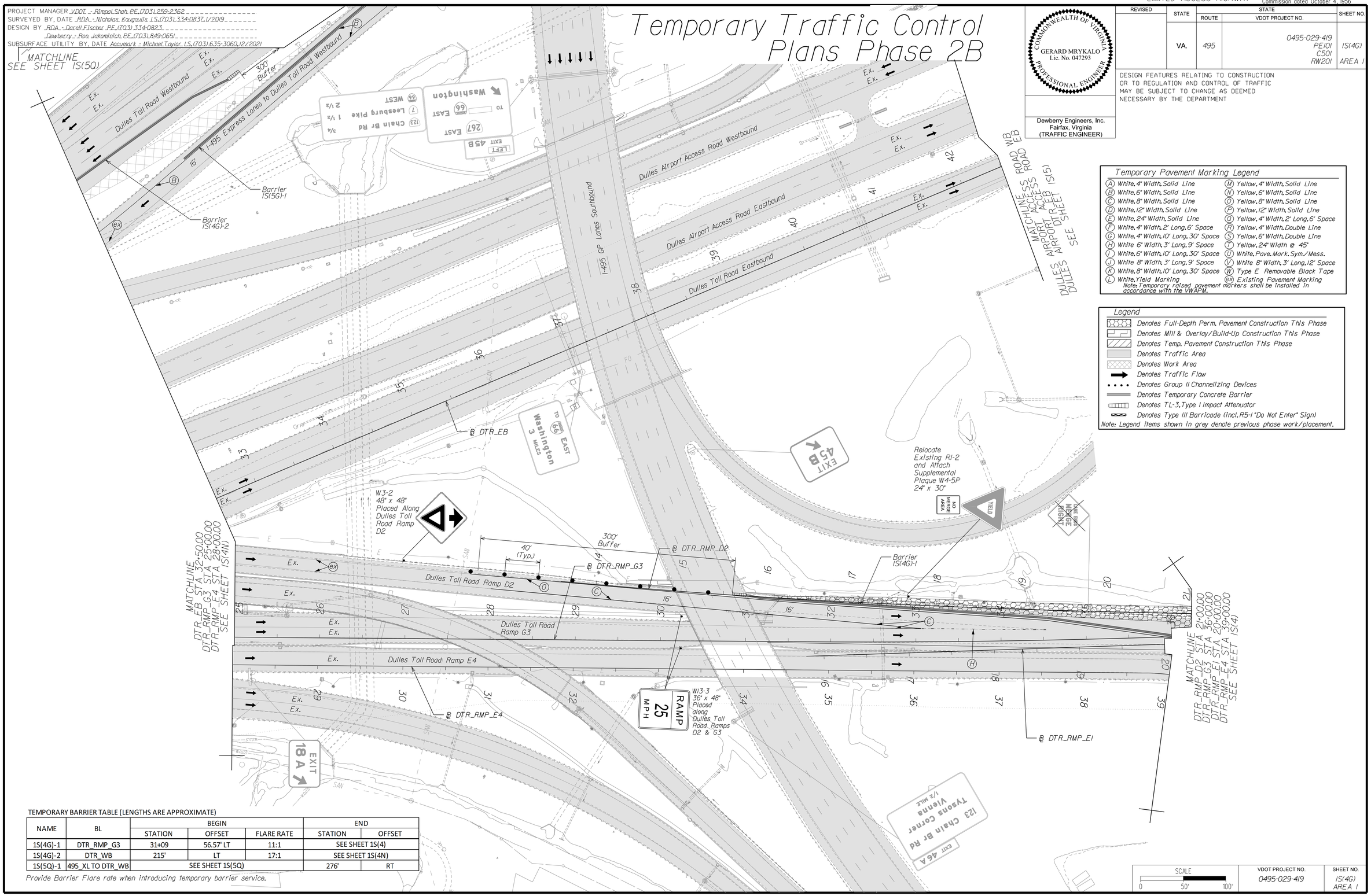
NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823 _____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651 _____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor, LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2B



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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1S(4G) AREA 1

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	(ex) 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
1S(4G)-1	DTR_RMP_G3	31+09	56.57' LT	11:1	SEE SHEET 1S(4)	
1S(4G)-2	DTR_WB	215'	LT	17:1	SEE SHEET 1S(4N)	
1S(5Q)-1	495_XL TO DTR_WB	SEE SHEET 1S(5Q)			276'	RT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE 0 50' 100' | VDOT PROJECT NO. 0495-029-419 | SHEET NO. 1S(4G) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
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Dewberry - Ron Jakomiolch, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2B

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1S(4N) AREA 1

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

Dulles Toll Road Westbound
Dulles Toll Road Eastbound
Dulles Airport Access Road Westbound
Dulles Airport Access Road Eastbound
WEST TOLL 267 To All Local Exits
TOLL ROAD
Dulles Airport AIRPORT PASSENGERS AND BUSINESS OTHER USES PROHIBITED LEFT EXIT 1/2 MILE
NO TOLL
END ROAD WORK
W20-1 48" x 48" Placed In Advance of Dulles Toll Road Eastbound Construction
ROAD WORK AHEAD
WORK ZONE NO HANDHELD COMMUNICATION DEVICES
EXIT
Baltimore NORTH 495
Richmond SOUTH 495
Dulles Airport AIRPORT PASSENGERS AND BUSINESS ONLY OTHER USES PROHIBITED 1/2 MILE
Barrier 1S(4G)-2
16'
℄ DTR_EB
℄ DTR_RMP_E4
℄ DTR_RMP_G3
EXIT 18 A
EXIT 18 B
LEFT LANE ENDS
123 Chain Br Rd McLean 3/4 MILE EXITS 19A - B
Baltimore NORTH 495 EXIT ONLY EXIT 18 B
EXPRESS DMS
SOUTH 495 EZPass EXPRESS ONLY
Richmond SOUTH 495 EXIT 18 A
BOTH SHOULDERS CLOSED AHEAD
BOTH SHOULDERS CLOSED
W21-VII 48" x 48" Placed along Dulles Toll Road Eastbound
MATCHLINE
DTR_EB STA 32+50.00
DTR_RMP_G2 STA 25+00.00
DTR_RMP_E4 STA 28+00.00
SEE SHEET 1S(4G)

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	(ex) 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
1S(4G)-2	DTR_WB	SEE SHEET 1S(4G)			144'	LT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE 0 50' 100' | VDOT PROJECT NO. 0495-029-419 | SHEET NO. 1S(4N) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS_(703) 334-0837_1/2019
DESIGN BY _RDA_ - Darell Fischer PE_(703) 334-0823_
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor, LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2B

Temporary Pavement Marking Legend

- (A) White, 4" Width, Solid Line
- (B) White, 6" Width, Solid Line
- (C) White, 8" Width, Solid Line
- (D) White, 12" Width, Solid Line
- (E) White, 24" Width, Solid Line
- (F) White, 4" Width, 2' Long, 6' Space
- (G) White, 4" Width, 10' Long, 30' Space
- (H) White 6" Width, 3' Long, 9' Space
- (I) White, 6" Width, 10' Long, 30' Space
- (J) White 8" Width, 3' Long, 9' Space
- (K) White, 8" Width, 10' Long, 30' Space
- (L) White, Yield Marking
- (M) Yellow, 4" Width, Solid Line
- (N) Yellow, 6" Width, Solid Line
- (O) Yellow, 8" Width, Solid Line
- (P) Yellow, 12" Width, Solid Line
- (Q) Yellow, 4" Width, 2' Long, 6' Space
- (R) Yellow, 4" Width, Double Line
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Note: Temporary raised pavement markers shall be installed in accordance with the VWAPM.

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

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Fairfax, Virginia
(TRAFFIC ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IS(5) AREA 1

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

MATCHLINE SEE SHEET IS(5O)

MATCHLINE DULLES AIRPORT ACCESS ROAD WB / DULLES AIRPORT ACCESS ROAD EB / DTR_EB SEE SHEET IS(4G)

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET IS(4)

MATCHLINE 495XL_NB STA 153+50.00 / 495GP_NB STA 1057+00.00 SEE SHEET IS(4)

MATCHLINE DTR_RMP_G3 STA 44+50.00 / DTR_RMP_E1 STA 285.00 SEE SHEET IS(4)

MATCHLINE 495XL_SB STA 168+00.00 / 495XL_NB STA 567+50.00 / DTR_RMP_E1 STA 44+00.00 / 495GP_NB STA 1071+00.00 END AREA 1 SEE AREA 2 PHASE 2A FOR CONTINUITY

MATCHLINE DTR_RMP_G10 STA 18+50.00 / DTR_RMP_G10 END AREA 1 SEE AREA 2 PHASE 2A FOR CONTINUITY

EXPRESS EXPRESS EXIT LEFT EXIT Jones Branch Drive RAMP 45 M.P.H.

LANE ENDS MERGE RIGHT

EXIT 25 M.P.H. — Dulles Airport NO TOLL — Herndon Reston (267) WEST TOLL — LEFT EXIT 45 — NORTH (495)

KEEP RIGHT

Dulles Toll Road Eastbound — Dulles Airport Access Road Eastbound — Dulles Airport Access Road Westbound

Uncover Exit 45 Guide Sign & Advisory Speed Sign on structure

I-495 Express Lanes to Dulles Toll Road Westbound

@ 495XL_SB — @ 495XL_NB — @ 495GP_NB — @ DTR_EB — @ DAR_EB — @ DAR_WB — @ DTR_RMP_E1 — @ DTR_RMP_G3 — @ DTR_RMP_G10 — @ DTR_RMP_E3 — @ DTR_WB

I-495 GP Lanes Northbound

Moved from previous stage

EXIT 45

Contractor shall construct this area utilizing road closure (TTC-48.2) during off-peak weekend hours, as necessary. See Sheet IS(O) for off-site detour.

Barrier IS(4)-3 — Barrier IS(4)-2

G20-2(V) 60" x 24" Placed along Dulles Toll Road Eastbound

END ROAD WORK

RIP-RAP CLASS I

Dulles Toll Road Westbound

ROAD WORK AHEAD

Ex. 40' (typ.)

Legend

- Denotes Full-Depth Perm. Pavement Construction This Phase
- Denotes Mill & Overlay/Build-Up Construction This Phase
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- Denotes Traffic Flow
- Denotes Group II Channelizing Devices
- Denotes Temporary Concrete Barrier
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- 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
1S(4)-2	DTR_RMP_G3	SEE SHEET 1S(4)			45+00	17.39' RT
1S(4)-3	DTR_RMP_E1	SEE SHEET 1S(4)			47+00	18.40' LT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IS(5) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

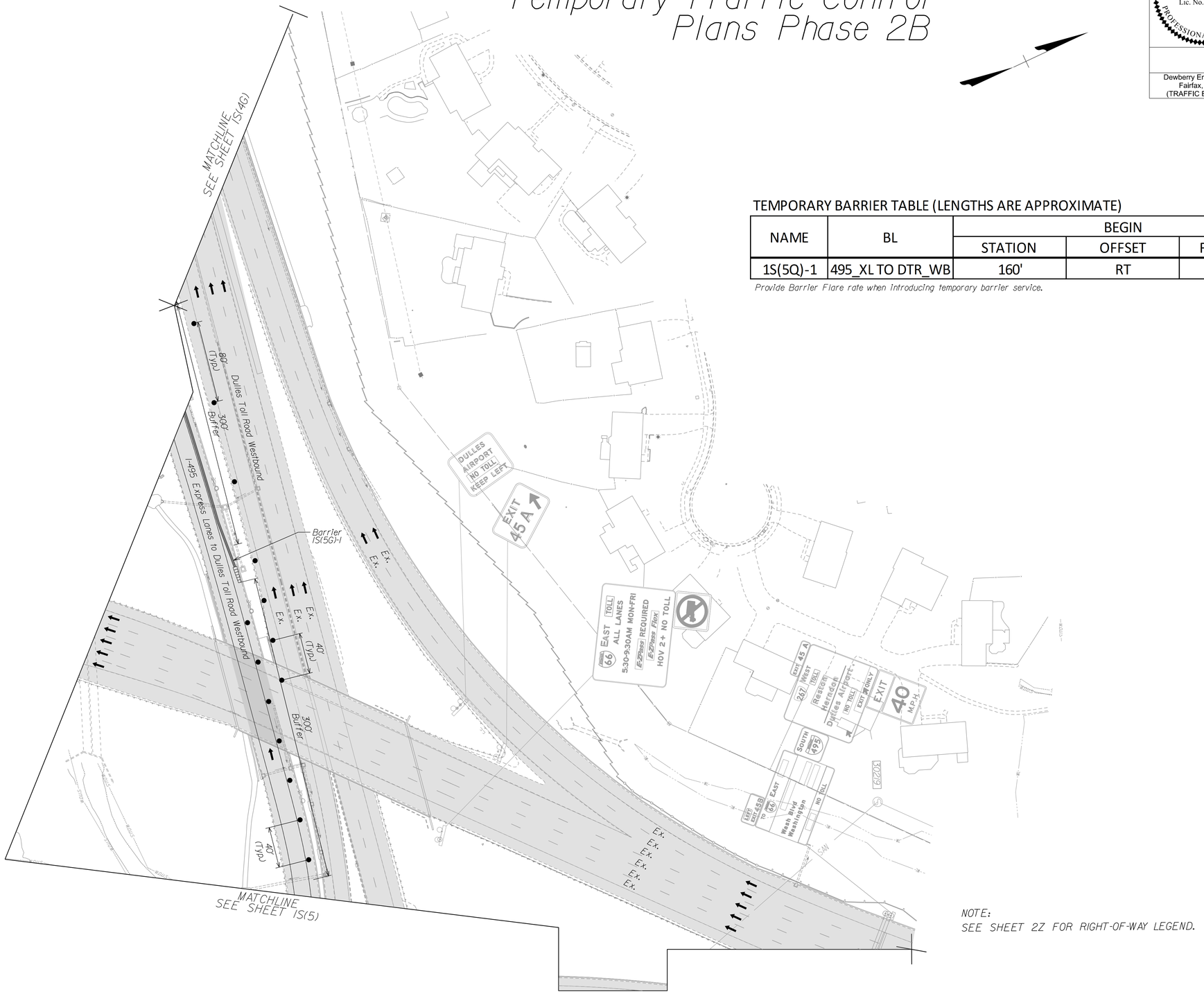
12/16/2022

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor_ LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2B



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

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1S(5Q)-1	495_XL TO DTR_WB	160'	RT	14:01	SEE SHEET 1S(4G)	

Provide Barrier Flare rate when introducing temporary barrier service.

Temporary Pavement Marking Legend

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

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

Legend

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- Denotes Mill & Overlay/Build-Up Construction This Phase
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Note: Legend Items shown in grey denote previous phase work/placement.

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

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

REVISED	STATE	ROUTE	VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1S(5Q) AREA 1

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

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	1S(5Q) AREA 1

NOVA DISTRICT

12/16/2022

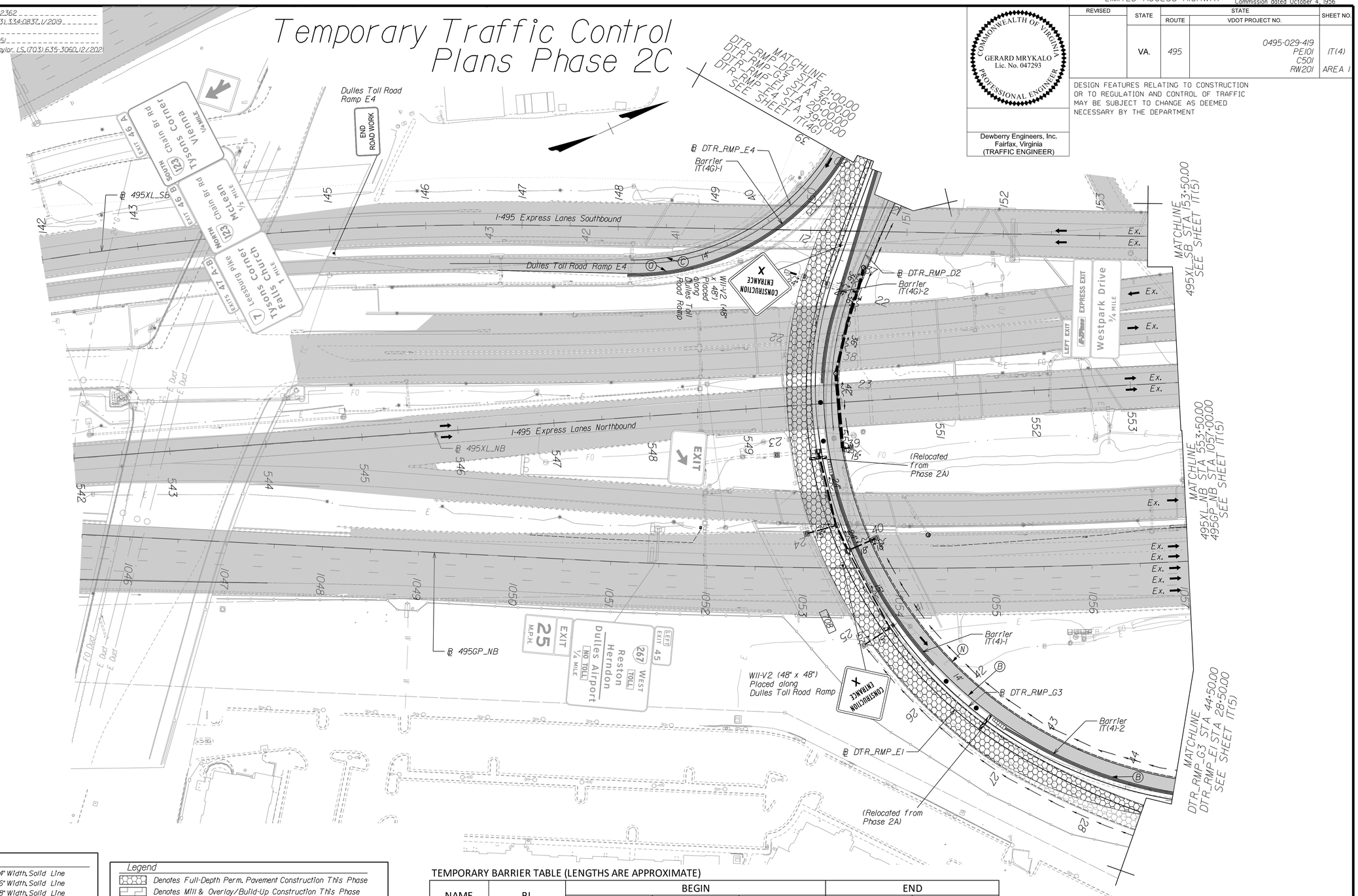
APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY

By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor, LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2C



REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1T(4) AREA 1

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

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

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 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	(ex)	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
1T(4)-1	DTR_RMP_G3	39+28	6.00' LT	11:1	41+59	6.04' LT
1T(4)-2	DTR_RMP_G3	42+59	4.60' LT	11:1	SEE SHEET 1T(5)	
1T(4G)-1	DTR_RMP_E4	SEE SHEET 1T(4G)			41+57	12.40' LT
1T(4G)-2	DTR_RMP_G3	SEE SHEET 1T(4G)			38+31	6.93' LT

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	1T(4) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT - Rimpal Shah, PE, (703) 259-2362_
SURVEYED BY, DATE _RDA - Nicholas Kaugauls LS, (703) 334-0837, 1/2019_
DESIGN BY _RDA - Darrell Fischer, PE, (703) 334-0823_
Dewberry - Ron Jakomiolch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark - Michael Taylor, LS, (703) 635-3060, 12/2021_

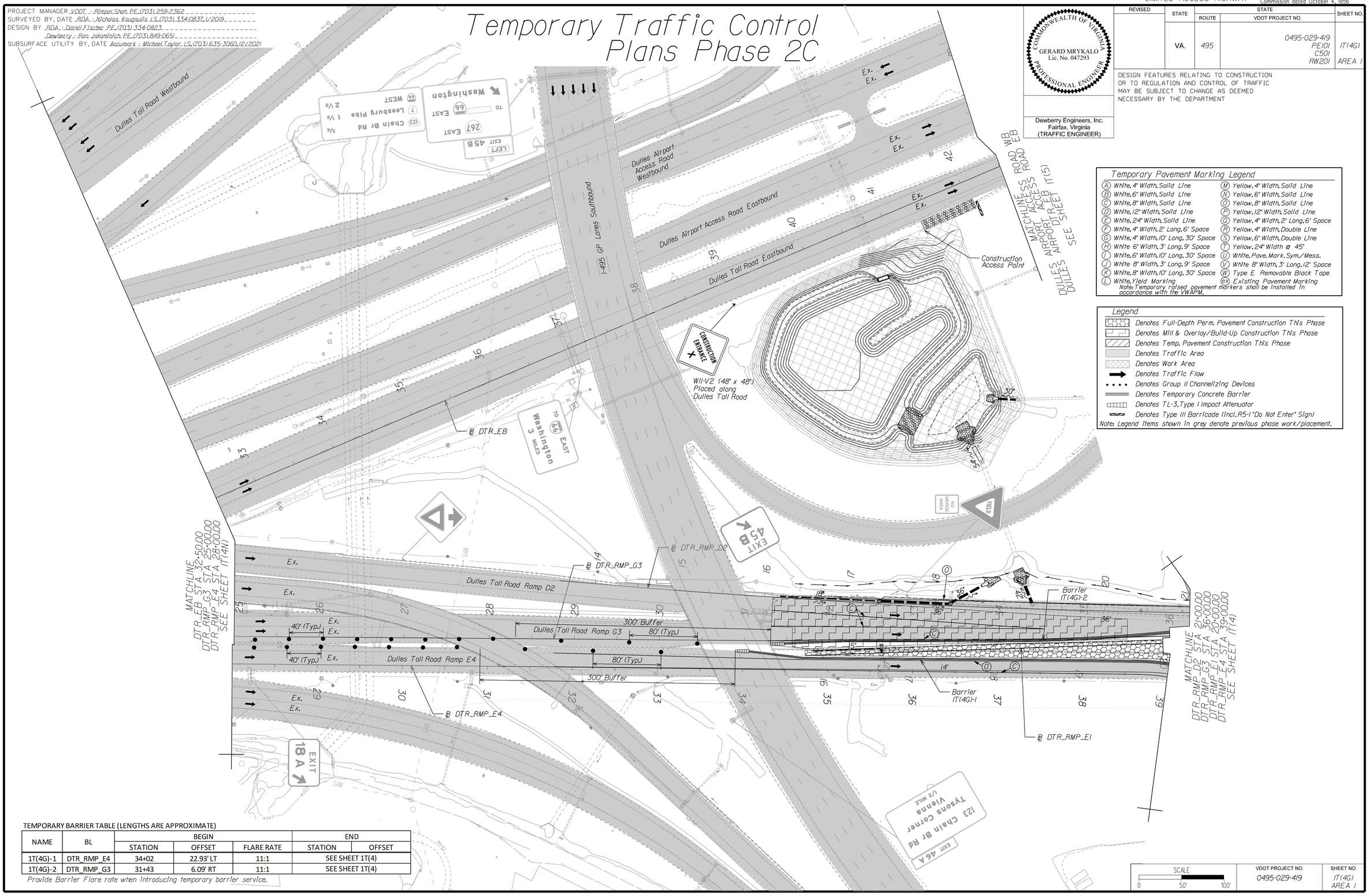
Temporary Traffic Control Plans Phase 2C

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	1T(4G) AREA 1

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	(ex) 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
1T(4G)-1	DTR_RMP_E4	34+02	22.93' LT	11:1	SEE SHEET 1T(4)	
1T(4G)-2	DTR_RMP_G3	31+43	6.09' RT	11:1	SEE SHEET 1T(4)	

Provide Barrier Flare rate when introducing temporary barrier service.

SCALE 0 50' 100' | VDOT PROJECT NO. 0495-029-419 | SHEET NO. 1T(4G) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_1/2019_____
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael T. Taylor, LS_(703) 635-3060_12/2021

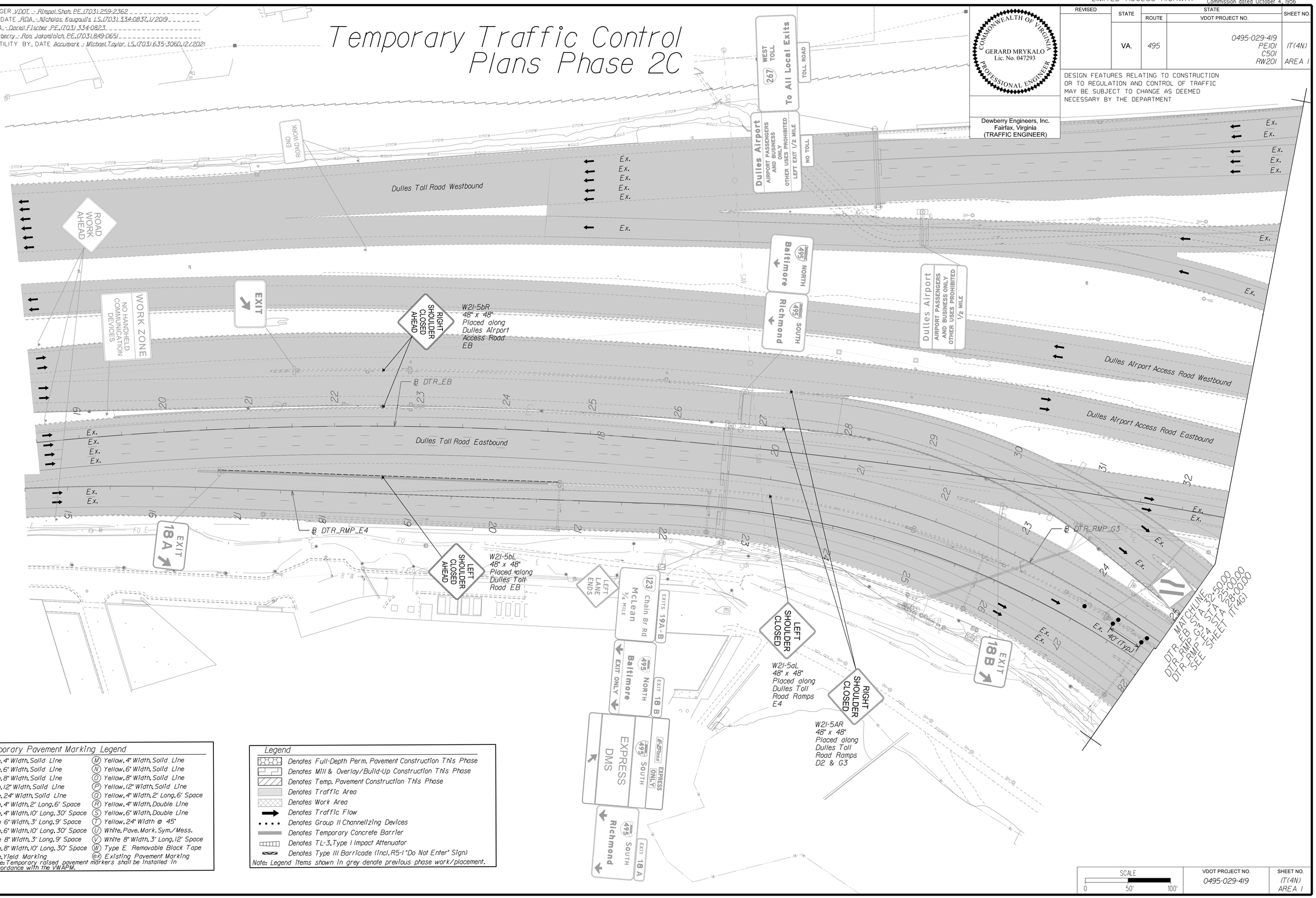
Temporary Traffic Control Plans Phase 2C

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IT(4N) AREA 1

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 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	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IT(4N) AREA 1

APPROVED FOR CONSTRUCTION

NOVA DISTRICT

12/16/2022

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis LS_(703) 334-0837_1/2019 _____
DESIGN BY _RDA_ - Darell Fischer PE_(703) 334-0823 _____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_ _____
SUBSURFACE UTILITY, DATE _Accumark_ - Michael Taylor LS_(703) 635-3060_12/2021

Temporary Traffic Control Plans Phase 2C

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	(ex) Existing Pavement Marking

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

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	IT(5) AREA 1

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

MATCHLINE DULLES AIRPORT ACCESS ROAD WB / DULLES AIRPORT ACCESS ROAD EB / DTR_EB — SEE SHEET IT(4G)

MATCHLINE 495XL_SB STA 153+50.00 — SEE SHEET IT(4)

MATCHLINE 495XL_NB STA 153+50.00 / 495GP_NB STA 1057+00.00 — SEE SHEET IT(4)

MATCHLINE 495XL_SB STA 168+00.00 / 495XL_NB STA 567+50.00 / DTR_RMP_E1 STA 44+00.00 / 495GP_NB STA 1071+00.00 — END AREA 1 AREA 2 PHASE 2A — SEE AREA 2 PHASE 2A FOR CONTINUITY

MATCHLINE 18+50.00 — DTR_RMP_G10 STA 1 — END AREA 2 PHASE 2A AREA 1 — SEE FOR CONTINUITY

MATCHLINE DTR_RMP_G3 STA 44+50.00 / DTR_RMP_E STA 28+50.00 — SEE SHEET IT(4)

Jones Branch Drive — EXPRESS — EXPRESS EXIT — LEFT EXIT — RAMP 45 M.P.H. — DMS

MERGE RIGHT — LANE ENDS AHEAD

EXIT 25 M.P.H. — Dulles Airport (NO TOLL) — Reston Herndon (267 WEST TOLL) — LEFT EXIT 45 — NORTH 495

KEEP RIGHT

Dulles Toll Road Eastbound — Dulles Airport Access Road Eastbound — Dulles Airport Access Road Westbound — Dulles Toll Road Westbound

℄ 495XL_SB — ℄ 495XL_NB — ℄ 495GP_NB — ℄ DTR_EB — ℄ DAR_EB — ℄ DAR_WB — ℄ DTR_RMP_E1 — ℄ DTR_RMP_G10 — ℄ DTR_RMP_G3 — ℄ DTR_RMP_E3 — ℄ DTR_WB

EXIT 45

Barrier IT(4)-2

See Specifications for attaching temporary barrier to bridge parapit.

END ROAD WORK

ROAD WORK AHEAD

TEMPORARY BARRIER TABLE (LENGTHS ARE APPROXIMATE)

NAME	BL	BEGIN			END	
		STATION	OFFSET	FLARE RATE	STATION	OFFSET
1T(4)-2	DTR_RMP_G3	SEE SHEET 1T(4)			47+19	4.98' RT

Provide Barrier Flare rate when introducing temporary barrier service.

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.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	IT(5) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022 2:00:33 PM | 35x23 (In.) default_RDAtbl | pw:\\r1nkerdesign-pw.bentley.com:r1nkerdesign-pw-01\Documents\Projects\Fredericksburg\90731\07 Project Standards\Print Drivers\default_RDAtbl | c:\bms\r1nkerdesign-pw-01\david chakansky\dms01687\VDOTLD Local PDF.pltcfg | 100.0000 ft / In. | 1495NEXT_AI_RDW_02.dgn | Plotted By: dchakansky

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell Fischer PE, (703) 334-0823,
Dewberry - Ron Jakomiak, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

General Notes

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

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.	SHEET NO.
	0495-029-419	2 AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomaitch, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor LS_(703) 635-3060_12/2021

Typical Sections

JAMES RANDOLPH WIRT
Lic. No. 37759
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

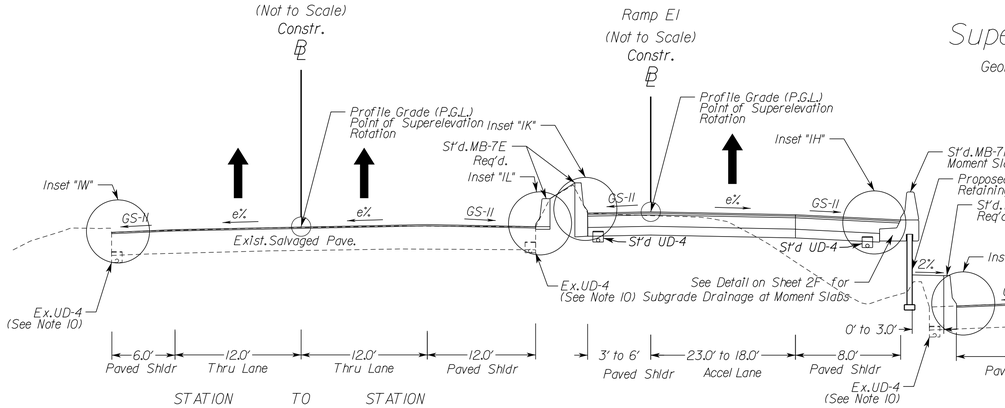
RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

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

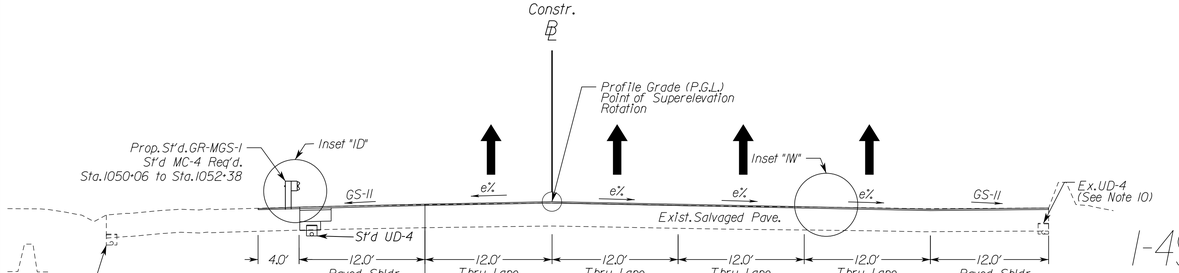
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

I-495XL Northbound
Superelevated Section, 2 Lane Interstate
Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH
(Not to Scale)
Constr. ℄

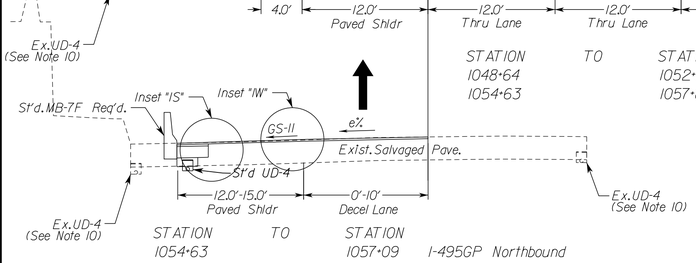


STATION 567+00 TO STATION 567+50 I-495XL Northbound

I-495GP Northbound
Superelevated Section, 4 Lane Interstate
Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH
(Not to Scale)
Constr. ℄



STATION 1048+64 TO STATION 1052+38 I-495GP Northbound
STATION 1054+63 STATION 1057+82 I-495GP Northbound

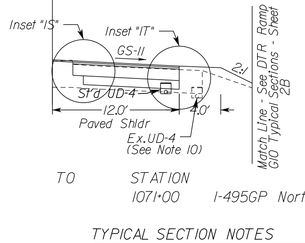


STATION 1054+63 TO STATION 1057+09 I-495GP Northbound

I-495GP Northbound
Superelevated Section, 5 Lane Interstate
Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH
(Not to Scale)
Constr. ℄

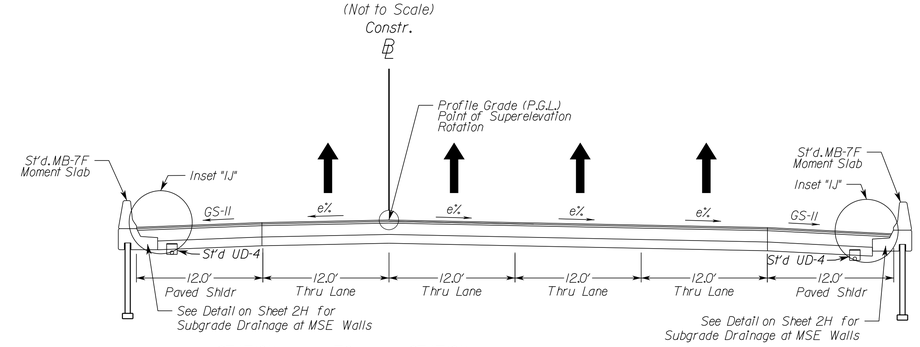
STATION 42+73 TO STATION 44+00 DTR Ramp E1

STATION 1069+63 TO STATION 1070+62 I-495GP Northbound



STATION 1070+62 TO STATION 1071+00 I-495GP Northbound

I-495GP Northbound
Superelevated Section, 4 Lane Interstate
Geometric Design Standard for Urban Interstate (GS-INT): V=70 MPH
(Not to Scale)
Constr. ℄



STATION 1052+38 TO STATION 1053+14.40 I-495GP Northbound
STATION 1054+17.07 STATION 1054+63 I-495GP Northbound

TYPICAL SECTION NOTES

1. Pavement widening to be performed in accordance with VDOT Std. WP-2
2. Std. UD-4 Req'd., see plan sheets for detailed locations.
3. Std. UD-2 Req'd., see plan sheets for detailed locations.
4. 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.
5. 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.
6. 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.
7. 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.
8. Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(7). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
9. 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.
10. 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.
11. See Sheets 2B(5) and 2B(6) for inset details.

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2A AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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 _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

JAMES RANDOLPH WIRT
Lic. No. 37759
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

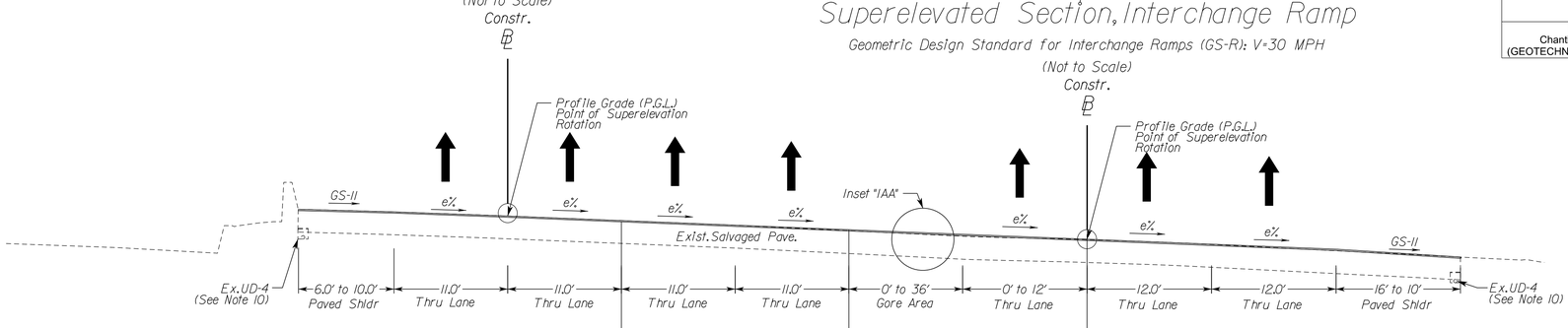
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B AREA 1

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

DTR Eastbound
Superelevated Section, 4 Lane Freeway
Geometric Design Standard for Urban Principal Arterial (GS-5): V=60 MPH

(Not to Scale)



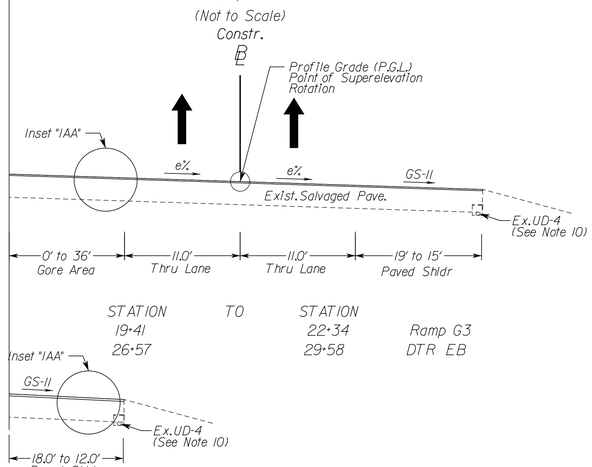
STATION	TO	STATION	
11+48		36+50	DTR EB

Ramp E4
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH

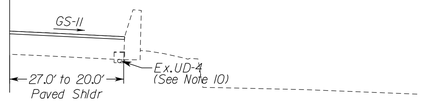
(Not to Scale)

STATION	TO	STATION	
20+31 16+46		24+54 20+63	DTR EB Ramp E4

Ramp G3
(Not to Scale)



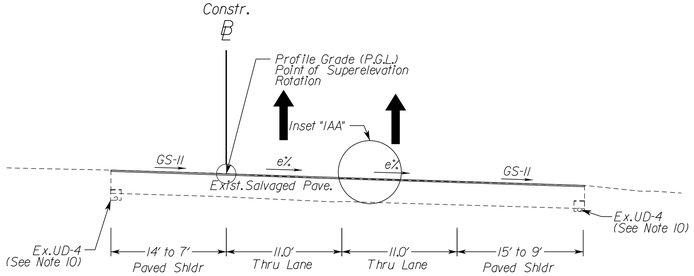
STATION	TO	STATION	
19+41		22+34	Ramp G3
26+57		29+58	DTR EB



STATION	TO	STATION	
24+54		26+57	DTR EB

Ramp G3
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH

(Not to Scale)

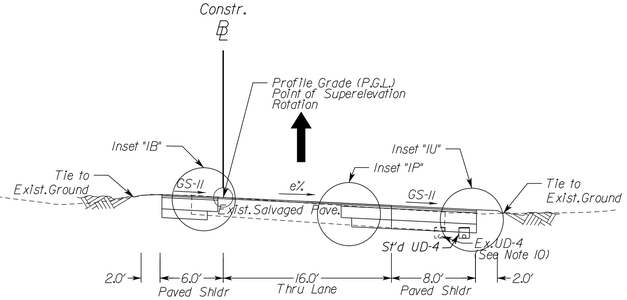


STATION	TO	STATION	
22+34		24+50	Ramp G3

STATION	TO	STATION	
29+58		36+50	DTR EB

Ramp G10
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH

(Not to Scale)



STATION	TO	STATION	
17+70		18+50	Ramp G10

TYPICAL SECTION NOTES

1. Pavement widening to be performed in accordance with VDOT Std. WP-2
2. Std. UD-4 Req'd., see plan sheets for detailed locations.
3. Std. UD-2 Req'd., see plan sheets for detailed locations.
4. 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.
5. 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.
6. 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.
7. 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.
8. Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(7). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
9. 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.
10. 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.
11. See Sheets 2B(5) and 2B(6) for inset details.

NOVA DISTRICT

12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Typical Sections

COMMONWEALTH OF VIRGINIA — JAMES RANDOLPH WIRT — Lic. No. 37759 — PROFESSIONAL ENGINEER

ECS Chantilly, Virginia (GEOTECHNICAL ENGINEER)

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

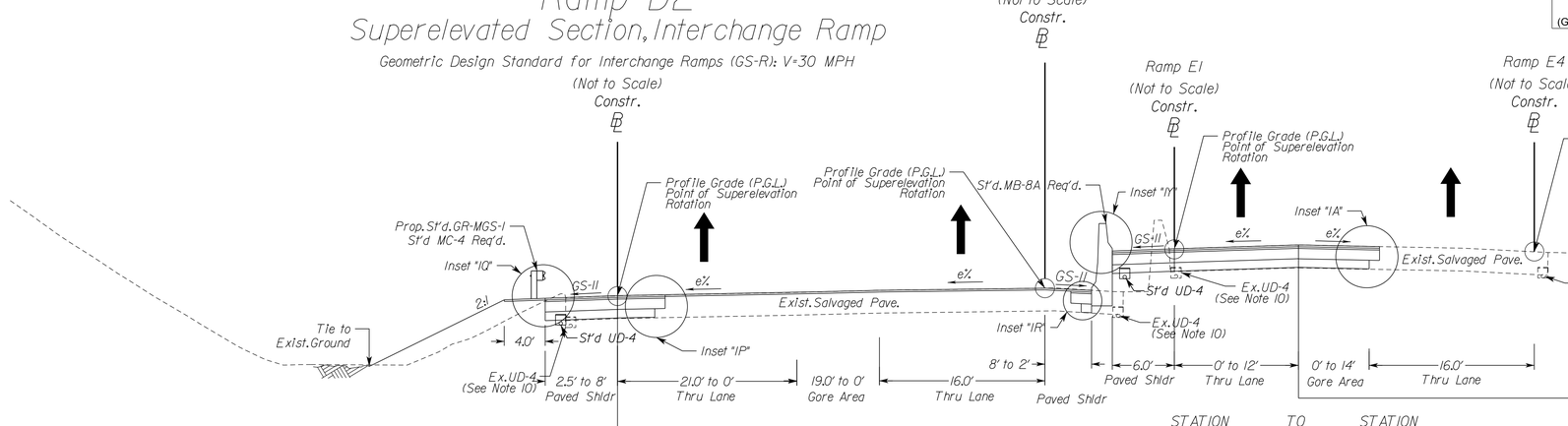
Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

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

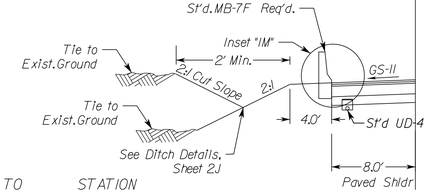
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Ramp G3
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)
Constr. ℄

Ramp D2
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)
Constr. ℄



STATION	TO	STATION	
16+09		20+95	Ramp D2
31+56		36+20	Ramp G3

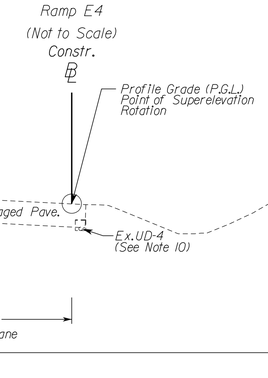


STATION	TO	STATION	
20+95		23+50	Ramp D2
36+20		38+83	Ramp G3

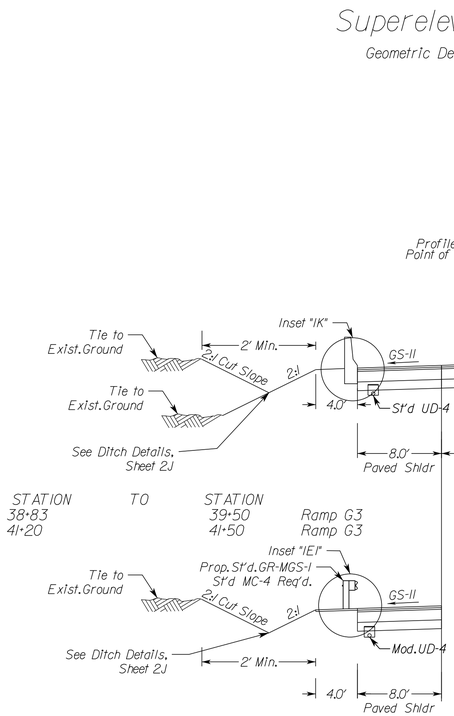
Ramp E1
(Not to Scale)
Constr. ℄

STATION	TO	STATION	
15+79		20+36	Ramp E1
34+74		39+25	Ramp E4

Ramp E4
(Not to Scale)
Constr. ℄



Ramp G3
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)
Constr. ℄



STATION	TO	STATION	
38+83		39+50	Ramp G3
41+20		41+50	Ramp G3

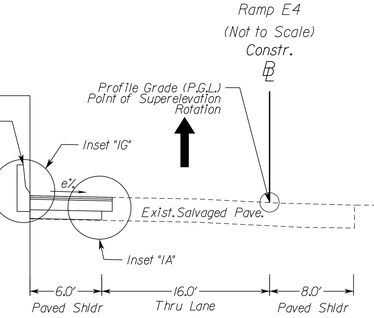
STATION	TO	STATION	
41+50		43+15	Ramp G3

Ramp E1
(Not to Scale)
Constr. ℄

STATION	TO	STATION	
20+36		24+00	Ramp E1
24+85		25+60	Ramp E1

STATION	TO	STATION	
25+62		27+39	Ramp E1

Ramp E4
(Not to Scale)
Constr. ℄



STATION	TO	STATION	
39+25		39+66	Ramp E4

TYPICAL SECTION NOTES

1. Pavement widening to be performed in accordance with VDOT St'd. WP-2
2. St'd. UD-4 Req'd., see plan sheets for detailed locations.
3. St'd. UD-2 Req'd., see plan sheets for detailed locations.
4. 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.
5. 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.
6. 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.
7. 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.
8. Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(7). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
9. 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.
10. 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.
11. See Sheets 2B(5) and 2B(6) for inset details.

NOVA DISTRICT

12/16/2022

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Typical Sections

JAMES RANDOLPH WIRT
Lic. No. 37759
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

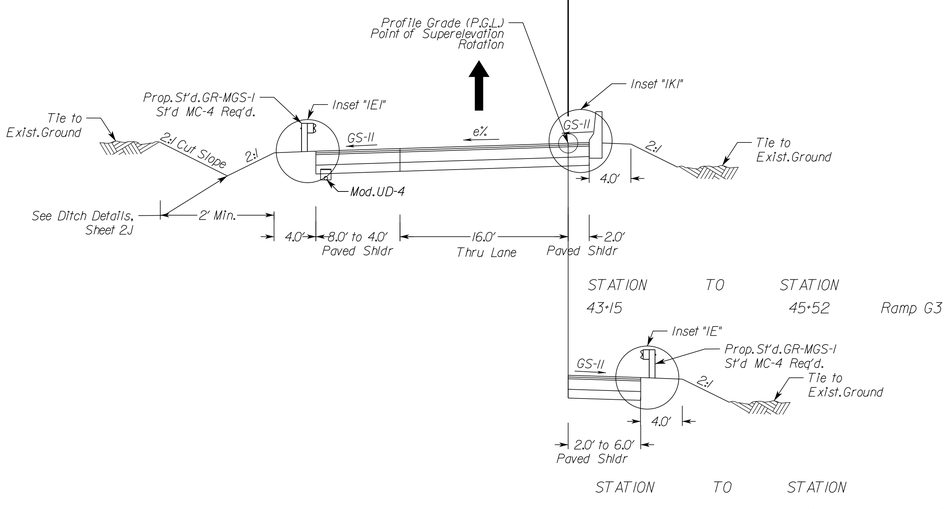
RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

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

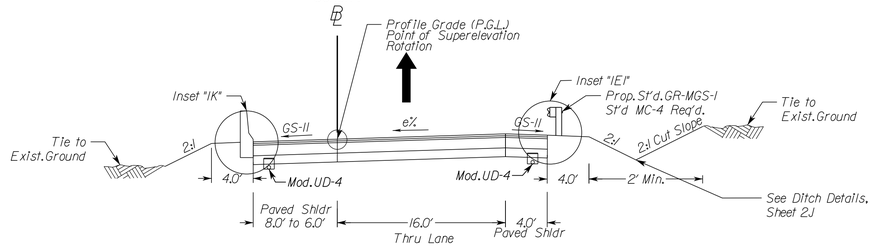
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Ramp G3
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)
Constr. ℄



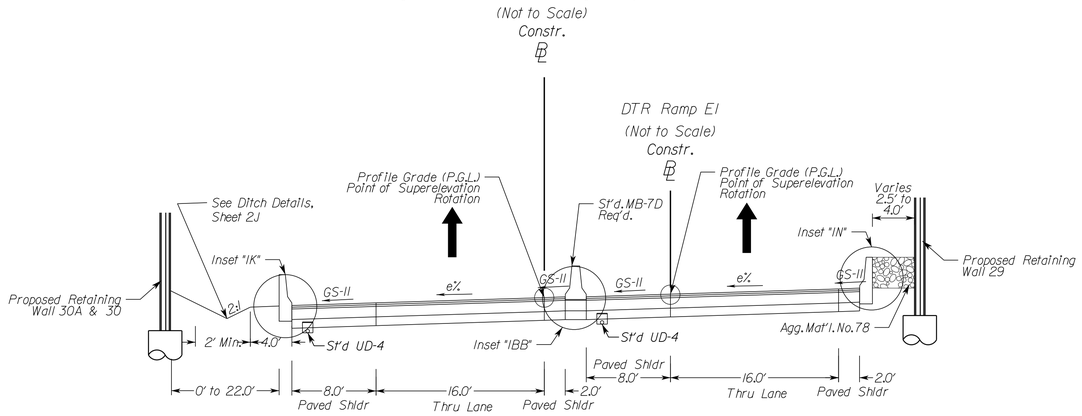
STATION	TO	STATION	
43+15		45+52	Ramp G3
45+52		46+71	Ramp G3

Ramp E1
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)
Constr. ℄



STATION	TO	STATION	
27+39		30+15	Ramp E1

Ramp G3
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)
Constr. ℄



STATION	TO	STATION	
39+50		41+20	Ramp G3
24+00		24+85	Ramp E1

TYPICAL SECTION NOTES

1. Pavement widening to be performed in accordance with VDOT St'd. WP-2
2. St'd. UD-4 Req'd., see plan sheets for detailed locations.
3. St'd. UD-2 Req'd., see plan sheets for detailed locations.
4. 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.
5. 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.
6. 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.
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10. Existing underdrain locations shown in typical sections are assumed. All existing underdrains that are impacted by the proposed reconstruction s hall be removed and replaced to provide positive drainage.
11. See Sheets 2B(5) and 2B(6) for inset details.

NOVA DISTRICT

12/16/2022

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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 _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Typical Sections

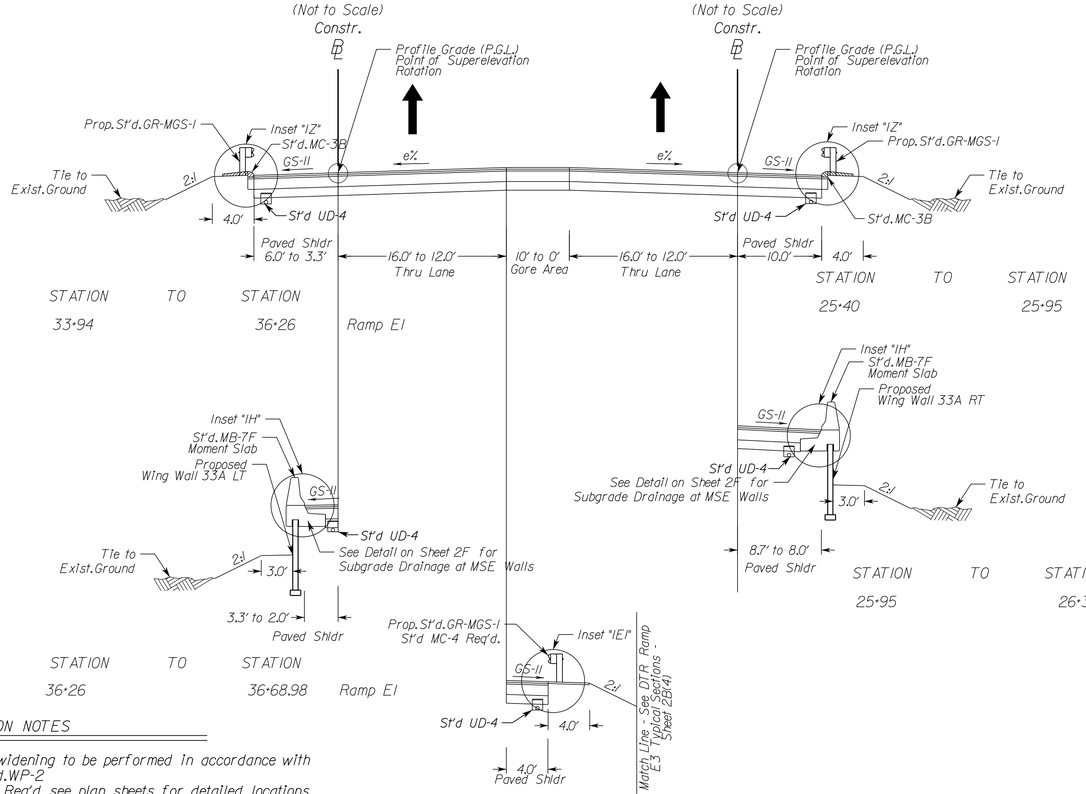
JAMES RANDOLPH WIRT, Lic. No. 37759, Professional Engineer, Commonwealth of Virginia
ECS, Chantilly, Virginia (GEOTECHNICAL ENGINEER)

RONALD J. JAKOMINICH, Lic. No. 038452, Professional Engineer, Commonwealth of Virginia
Dewberry Engineers, Inc., Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419, C501, RW201	2B(3) AREA 1

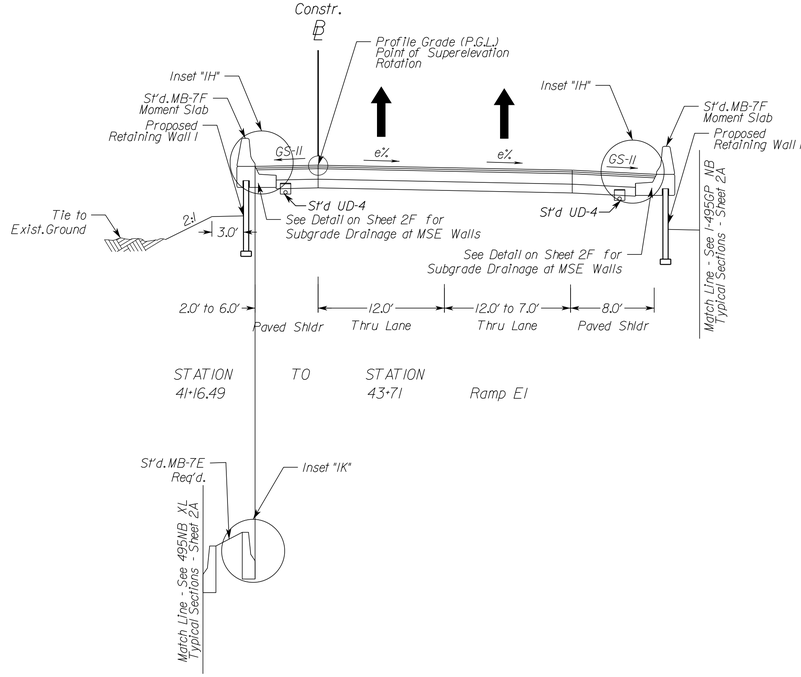
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Ramp E1
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)



STATION	TO	STATION	
33+94		36+26	Ramp E1
25+40		25+95	Ramp E1
25+95		26+35	Ramp E1
36+26		36+68.98	Ramp E1
33+97		35+68	Ramp E1

Ramp E1
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH
(Not to Scale)



STATION	TO	STATION	
41+16.49		43+71	Ramp E1
43+71		44+00	Ramp E1

TYPICAL SECTION NOTES

1. Pavement widening to be performed in accordance with VDOT St'd. WP-2
2. St'd. UD-4 Req'd., see plan sheets for detailed locations.
3. St'd. UD-2 Req'd., see plan sheets for detailed locations.
4. 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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9. 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.
10. 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.
11. See Sheets 2B(5) and 2B(6) for Inset details.

NOVA DISTRICT

12/16/2022

N.T.S.	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2B(3) AREA 1

APPROVED FOR CONSTRUCTION

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Typical Sections

LIMITED ACCESS HIGHWAY — 7.0000 ft / In. — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

COMMONWEALTH OF VIRGINIA — JAMES RANDOLPH WIRT — Lic. No. 37759 — PROFESSIONAL ENGINEER

ECS Chantilly, Virginia (GEOTECHNICAL ENGINEER)

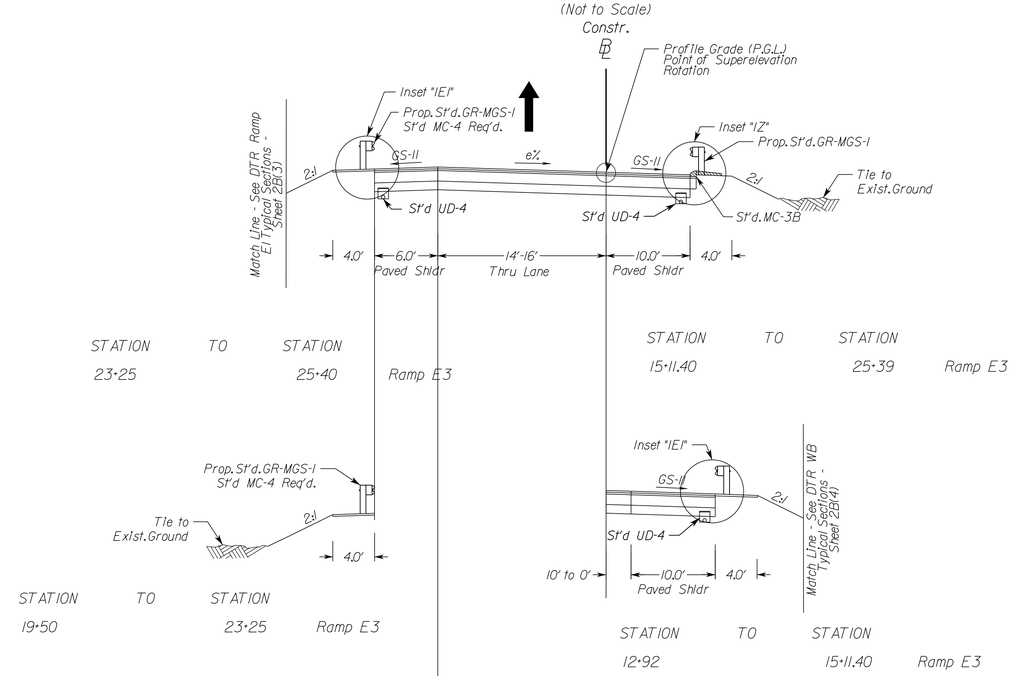
COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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

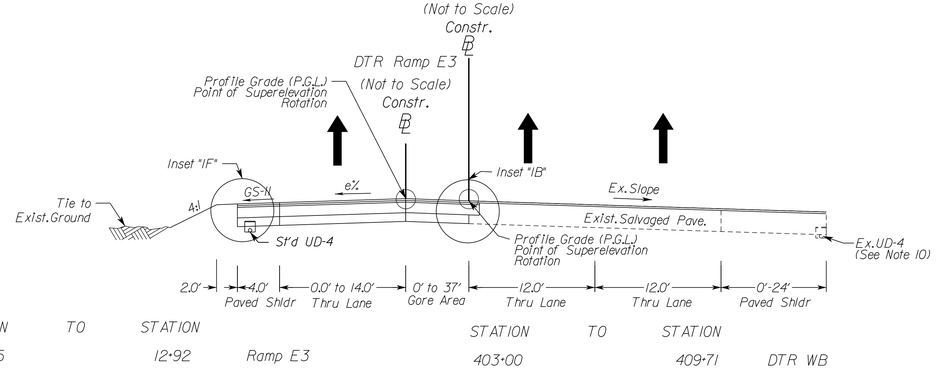
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B(4) AREA 1

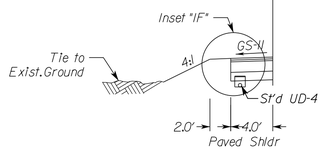
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Ramp E3
Superelevated Section, Interchange Ramp
Geometric Design Standard for Interchange Ramps (GS-R): V=30 MPH



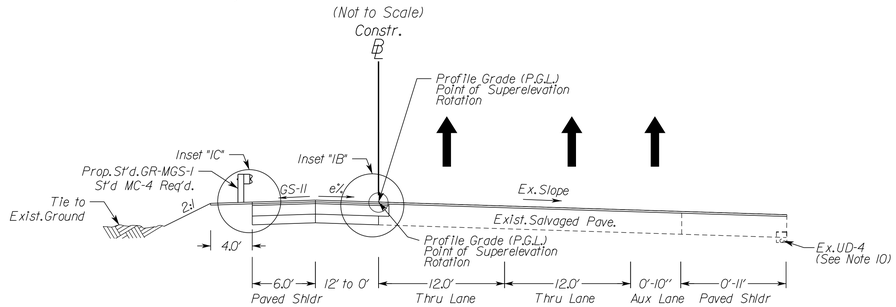
DTR Westbound
Superelevated Section, 2 Lane Freeway
Geometric Design Standard for Urban Principal Arterial (GS-5): V=60 MPH





STATION 9+30.55 TO STATION 19+50 Ramp E3

DTR Westbound
Superelevated Section, 2 Lane Freeway
Geometric Design Standard for Urban Principal Arterial (GS-5): V=60 MPH



STATION 409+71 TO STATION 413+18.92 DTR WB

TYPICAL SECTION NOTES

1. Pavement widening to be performed in accordance with VDOT St'd. WP-2.
2. St'd. UD-4 Req'd., see plan sheets for detailed locations.
3. St'd. UD-2 Req'd., see plan sheets for detailed locations.
4. 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.
5. 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.
6. 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.
7. 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.
8. Transverse pavement build-up shall be in conformance with the Asphalt Concrete Build-up Detail on sheet 2B(7). Longitudinal build-up shall be in conformance with VDOT Standard ACOT-1.
9. 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.
10. 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.
11. See Sheets 2B(5) and 2B(6) for inset details.

NOVA DISTRICT

12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(4) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomolich, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Typical Section Details

JAMES RANDOLPH WIRT
Lic. No. 37759
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

ECS
Chantilly, Virginia
(GEOTECHNICAL ENGINEER)

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B(5) AREA 1

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

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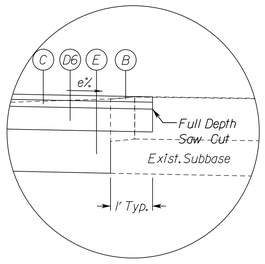

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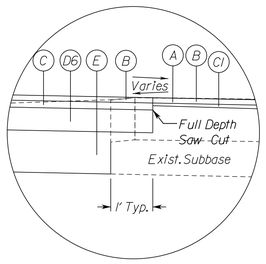

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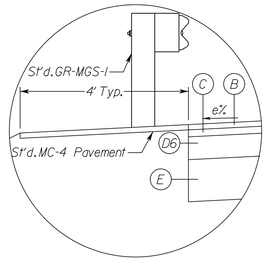

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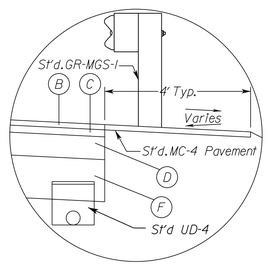

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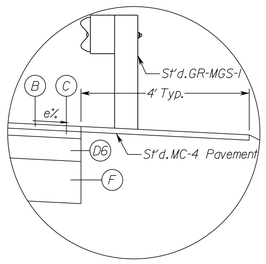

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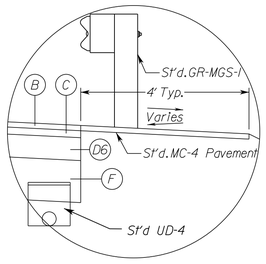

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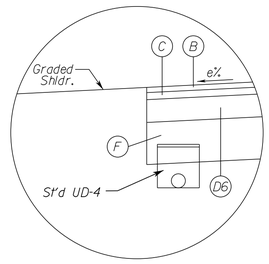

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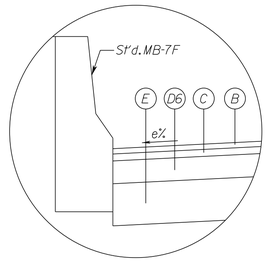

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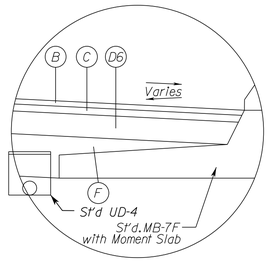

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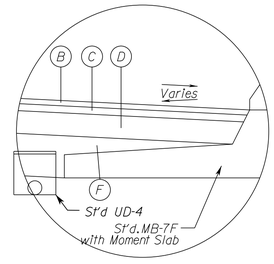

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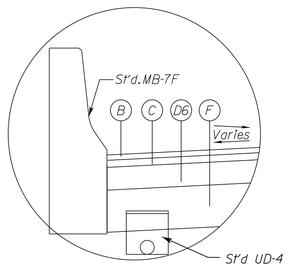

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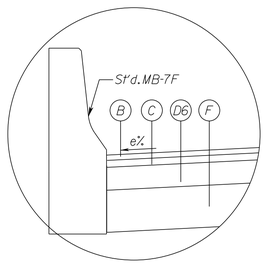

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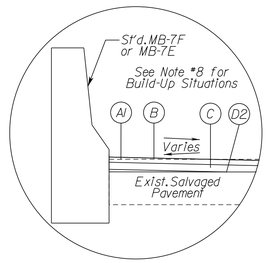

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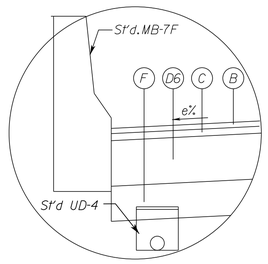

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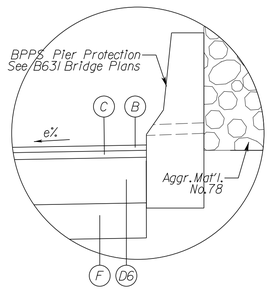

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(A) Mill Existing Asphalt Surface - 1.5 Inch Depth
(A1) Mill Existing Asphalt Surface - 4 Inch Depth
(B) Asphalt Concrete Surface Course, Type SMA-9.5 (64E-22) - 1.5 Inch Depth
(C) Asphalt Concrete Intermediate Course, Type SMA-12.5 (64E-22) - 2 Inch Depth
(C1) Asphalt Concrete Intermediate Course, Type IM-19.0A - Variable Depth for Build-Up Situations
(D) 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
(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 I - 6 Inch Depth
(F) Aggr. Base Mat'l., Type I, Size No. 21B - 14 Inch Depth

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(5) AREA 1

NOVA DISTRICT

12/16/2022

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PROJECT MANAGER _VDOT_-_Rimpal_Shah_PE_(703)_259-2362_
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Dewberry-_Ron_Jakominich_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Typical Section Details

JAMES RANDOLPH WIRT
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REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B(6) AREA 1

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

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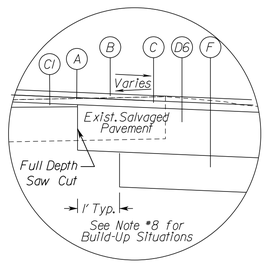

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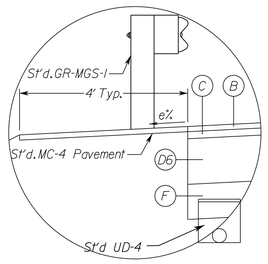

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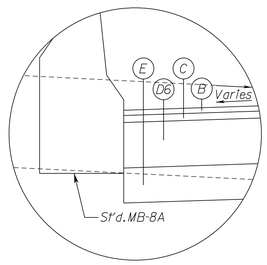

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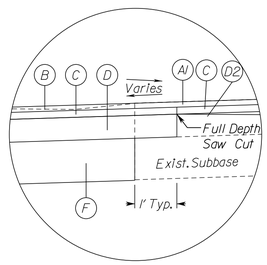

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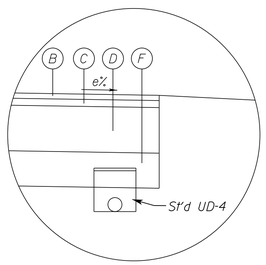

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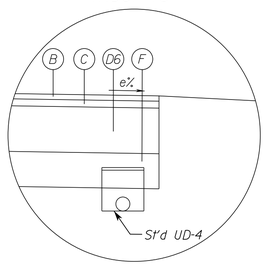

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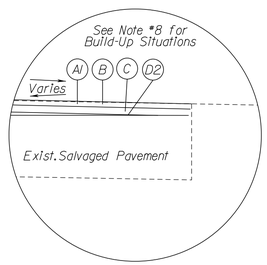

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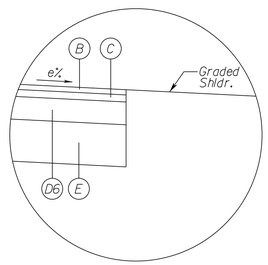

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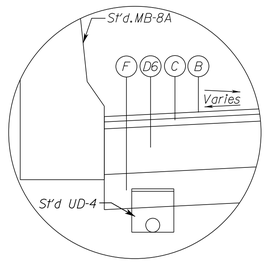

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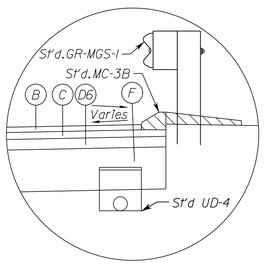

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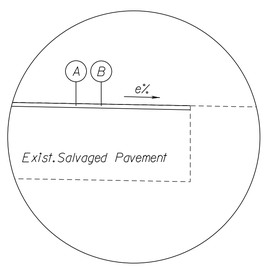

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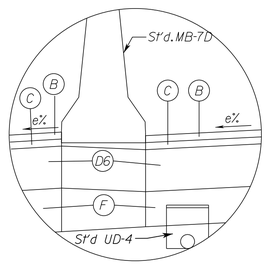

1. Pavement widening to be performed in accordance with VDOT St'd.WP-2
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N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(6) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

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PROJECT MANAGER _VDOT_-_Rimpal_Shah_PE_(703)_259-2362_
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DESIGN BY _RDA_-_Darrell_Fischer_PE_(703)_334-0823_
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REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B(7) AREA 1

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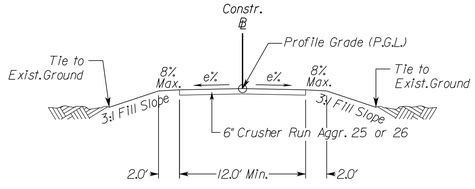
Private & Commercial Entrances

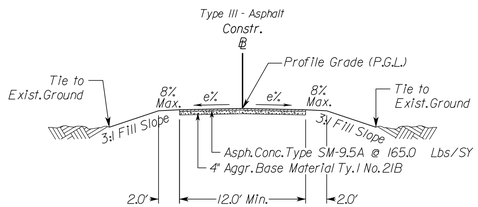
VDOT Std's. PE-1, CG-9D, CG-11, & CG-13

(Not to Scale)

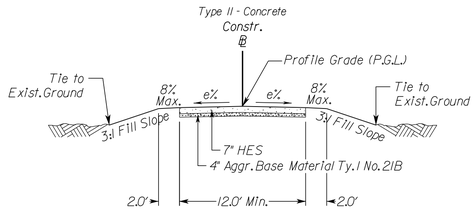
Type I - Gravel Constr.



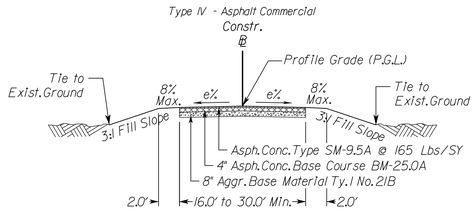
Type III - Asphalt Constr.



Type II - Concrete Constr.



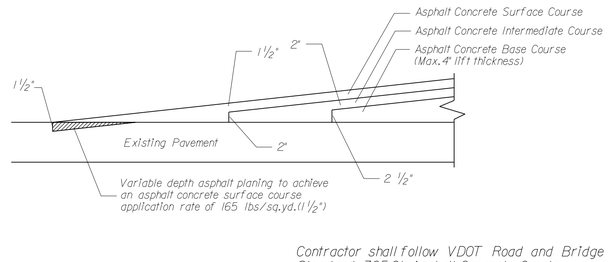
Type IV - Asphalt Commercial Constr.



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.

Detail: Asphalt Concrete Build Up

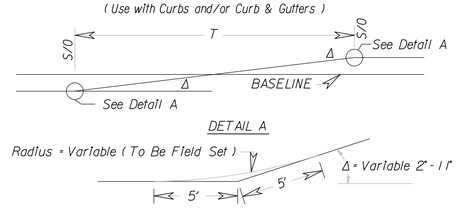
Not to scale



Contractor shall follow VDOT Road and Bridge Standard 305.01, Asphalt Concrete Overlay Transitions, for longitudinal pavement transitions.

TYPICAL STRAIGHT - LINE TAPER LANE

(Use with Curbs and/or Curb & Gutters)



T - See plans for Length of T.

S/O - See plans for Stations and Offsets.

NOVA DISTRICT

12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(7) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Median Barrier Summary

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B(8) AREA 1

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.	Std. MB-7D		Std. MB-7E		Std. MB-7F		MB-7F with Moment Slab		Std. MB-8A TY I		Std. MB-8A TY II		Std. MB-8A TY III		Modified MB-8A		Std. BPPS-1A		Std. 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	Sta	
495GP NB LT	4	-	-	-	-	-	-	1052+60	1053+02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	1054+04	1054+47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	1054+47	1057+00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	1057+00	1057+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1067+48	1068+31	-	-	Station range includes transition lengths
		-	-	-	-	1068+31	1071+00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
495GP NB RT	4	-	-	-	-	1052+62	1052+95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	1052+95	1053+41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	1054+42	1054+79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	1054+79	1054+87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
495XL SB RT	5	-	-	-	-	567+21	567+50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp D2 LT	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21+77	22+93	-	-	-	-	Station range includes transition lengths
		-	-	-	-	22+93	23+50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp E1 LT	4	-	-	-	-	27+39	28+50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	28+50	30+01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	30+01	30+24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	30+24	34+16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	36+26	36+68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	36+68	41+01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	41+01	44+00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp E1 RT	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20+35.78	24+93.68	-	-	-	-	Station range includes transition lengths
		-	-	-	-	24+93.68	25+62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	-	-	30+10	30+32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	30+32	34+06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	37+37	41+24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	41+24	44+09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp E1 LT/Ramp G3 RT	4G	-	-	-	-	-	-	-	-	-	-	15+79	16+25	18+00	18+50	32+25	34+00	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	18+50	19+17	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	19+17	20+00	-	-	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-	-	20+00	27+39	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp E3 RT	5	-	-	-	-	-	-	25+91	26+35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	26+35	26+84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp E4 LT	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39+25.64	40+30.60	-	-	-	-	Station range includes transition lengths
DTR EB RT/Ramp E4 LT	4N	-	-	-	-	-	-	-	-	20+61	24+54	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp G3 LT	4	-	-	-	-	38+24.35	39+19.36	-	-	-	-	-	-	-	-	-	-	37+08.08	38+24.35	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39+19.36	40+07.12	-	-	-	-	Station range includes transition lengths
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40+07	41+24	-	-	Station range includes transition lengths
		-	-	-	-	41+24.48	41+50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ramp G3 RT	4	-	-	-	-	43+15	44+50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	44+50	45+52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53+35	53+96	-	-	Station range includes transition lengths
DAR WB	5	-	-	-	-	501+79.60	502+55	-	-	-	-	-	-	-	-	-	-	502+55	502+97	-	-	-	-	
		-	-	-	-	502+97	504+02.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5J	-	-	-	-	501+65.50	501+79.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DAR EB	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605+42	606+30	-	-	-	-	
DTR EB	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48+81	49+75	-	-	

NOVA DISTRICT

12/16/2022

N.T.S.	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(8) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_
DESIGN BY _RDA_-_Darell Fischer_PE_(703) 334-0823_
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

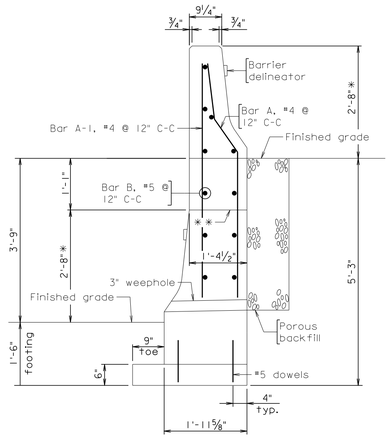
Modified Median Barrier Details

CHRISTOPHER C. ADAMS
Lic. No. 033017
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Rinker Design Assoc., P.C.
Manassas, Virginia
(STRUCTURAL ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2B(9) AREA 1

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



AREA I MODIFIED MB-8A BARRIER

NOTES:

Concrete shall be Class A3.

For additional barrier information, see 2016 VDOT Road and Bridge Standard for MB-8A details.

See roadway plans for additional information about the barrier limits.

All reinforcing steel shall be deformed and shall conform to ASTM A615 Grade 60. All reinforcing bar dimensions on the detail drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances. A minimum 2" concrete cover shall be provided.

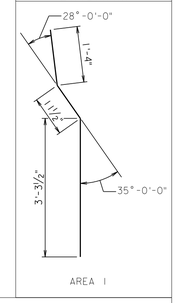
Reinforcing steel bars shown are based on a 20' panel length.

Horizontal reinforcing bars are to be separated at all expansion and contraction joints. A 2" concrete cover is required over the ends of the reinforcing steel.

* MB-7D barrier face

** Permissible construction joint to be bonded in strict accordance with Section 404 of the current VDOT Road and Bridge Specs.

BAR A BENDING DIAGRAM



AREA I

REINFORCING STEEL SCHEDULE

		BARS "A"		BARS "A-1"		BARS "B"		DOWELS	
Area	Station	No.	Length	No.	Length	No.	Length	No.	Length
A1	G3 Sta. 32+25 to 34+00	20	5'-7"	20	5'-5"	11	19'-8"	40	1'-0"

NOVA DISTRICT

12/16/2022

3" = 1'-0"	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2B(9) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

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

Geotechnical Recommendations

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

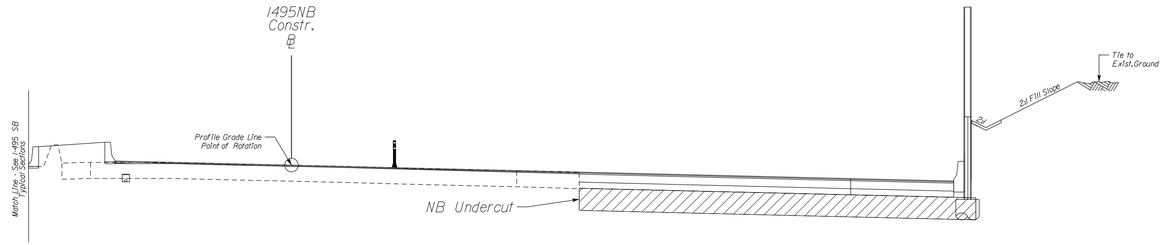
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

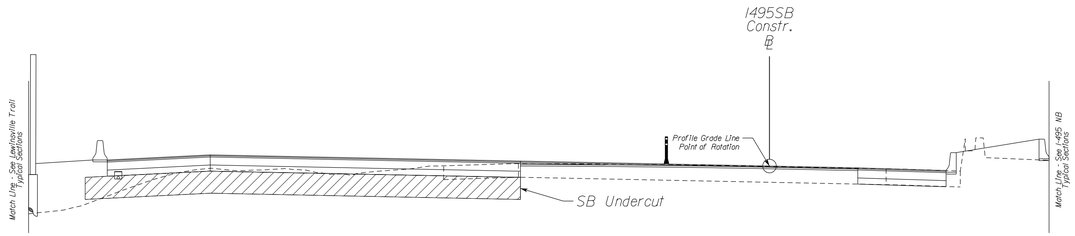
Summary of Unsuitable Material at Subgrade

Roadway Stations	Widening Locations	Depth	Reason	Treatment Method
I-495				
Sta. 618+04 to 618+20	NB	3'	Low CBR	D1,D2,D3
Sta. 621+63 to 622+13	NB	3'	Low CBR	D1,D2,D3
Sta. 630+50 to 635+50	NB	3'	Low CBR	D1,D2,D3
Sta. 638+50 to 640+63	NB	3'	Low CBR	D1,D2,D3
Sta. 640+63 to 643+13	NB	1.5'	Low CBR	D1,D2,D3
Sta. 643+13 to 645+25	NB	3'	Low CBR	D1,D2,D3
Sta. 655+00 to 661+25	NB	3'	Low CBR	D1,D2,D3
Sta. 672+13 to 676+75	NB	3'	Low CBR	D1,D2,D3
Sta. 688+25 to 689+50	NB	3'	Low CBR	D1,D2,D3
Sta. 690+63 to 694+00	NB	3'	Low CBR	D1,D2,D3
Sta. 192+50 to 197+63	SB	3'	Low CBR	D1,D2,D3
Sta. 226+13 to 231+25	SB	3'	Low CBR	D1,D2,D3
Sta. 256+38 to 263+00	SB	3'	Low CBR	D1,D2,D3

UNSUITABLE MATERIALS LEGEND

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





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 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Geotechnical Recommendations

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

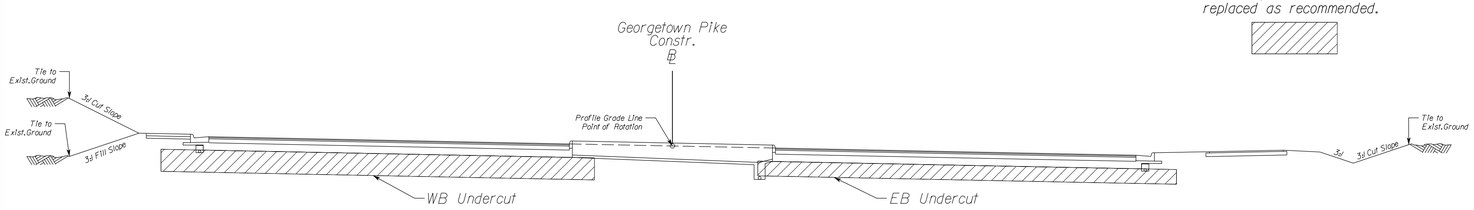
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

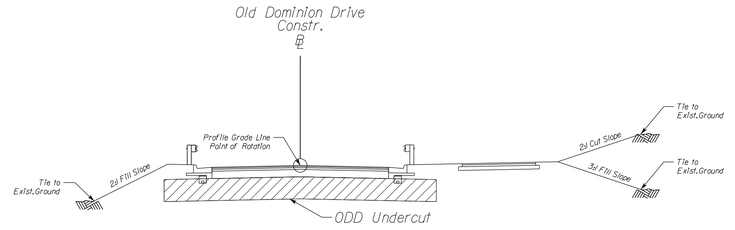
Summary of Unsuitable Material at Subgrade

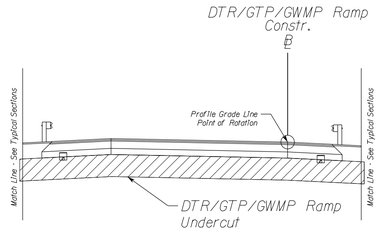
Roadway Stations	Widening Locations	Depth	Reason	Treatment Method
DTR Ramp E1				
Sta.23+75 to 29+00	-	3'	Low CBR	D1,D2,D3
Georgetown Pike				
Sta.19+68 to 20+98	-	3'	CH/MH Within 3' of Subgrade	D1,D2,D3
Sta.26+06 to 26+15	-	3'	CH/MH Within 3' of Subgrade	D1,D2,D3
Sta.30+60 to 31+33	-	3'	CH/MH Within 3' of Subgrade	D1,D2,D3
GTP Ramp NE				
Sta.19+00 to 20+00	-	3'	CH/MH Within 3' of Subgrade	D1,D2,D3
GTP Ramp SE				
Sta.11+95 to 17+50	-	3'	Low CBR	D1,D2,D3
GTP Ramp SW				
Sta.14+45 to 16+55	-	3'	Low CBR	D1,D2,D3
Sta.16+55 to 17+33	-	2.5'	Low CBR	D1,D2,D3
Sta.17+95 to 18+68	-	3'	Low CBR	D1,D2,D3
GWMP Ramp G21				
Sta.33+33 to 34+15	-	3'	CH/MH Within 3' of Subgrade	D1,D2,D3
GWMP Ramp E21				
Sta.28+05 to 30+70	-	3'	Low CBR	D1,D2,D3
GWMP Ramp G22				
Sta.24+95 to 26+20	-	2'	Low CBR	D1,D2,D3
Sta.26+20 to 28+75	-	3'	Low CBR	D1,D2,D3
GWMP Ramp E22				
Sta.25+78 to 27+13	-	2'	Low CBR	D1,D2,D3
Sta.27+13 to 29+50	-	3'	Low CBR	D1,D2,D3
Old Dominion Drive				
Sta.15+38 to 17+40	-	3'	Low CBR	D1,D2,D3

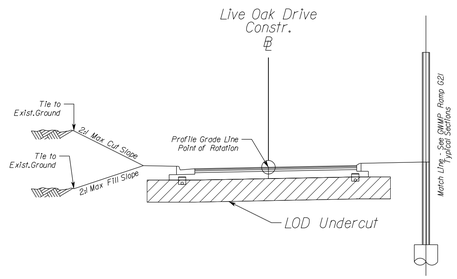
UNSUITABLE MATERIALS LEGEND

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









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 1

NOVA DISTRICT

12/16/2022

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12/16/2022
2:02:21 PM
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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Geotechnical Recommendations

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

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%	
	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%	
	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%	
	LewTrl - 46+50	11.9	1.72	1.71	0.00%	1.72	1.72	0.00%	No Geogrid required
	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.
3	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 exisitng 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
	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.
4	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%	
	Ramp G23 - 12+50	11.3	2.01	2.00	0.00%	2.02	2.01	0.00%	No Geogrid required

NOVA DISTRICT

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Modified Underdrain Details

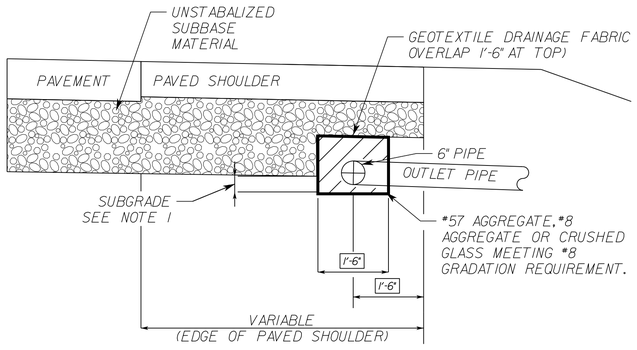
COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINCH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

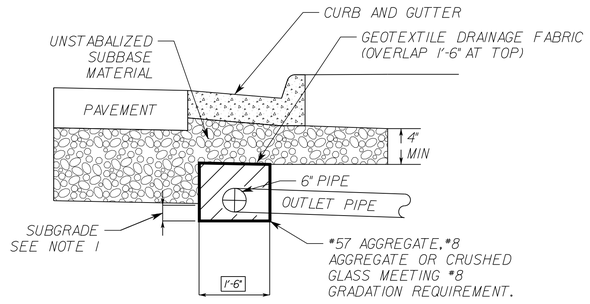
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2F AREA 1

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

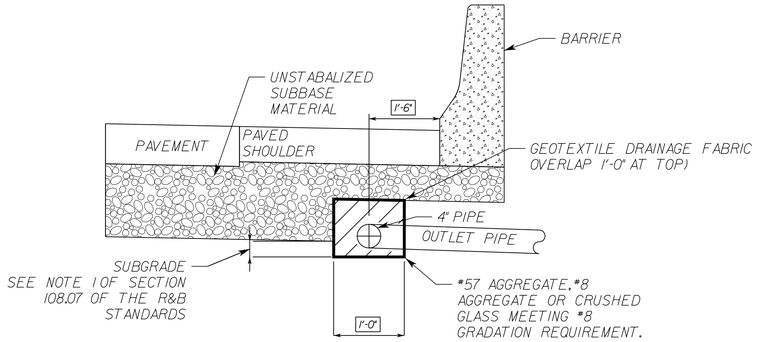


MOD.UD-4 UNDER CURB & GUTTER

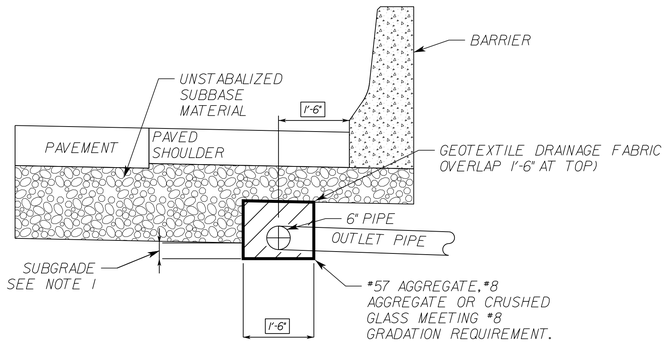


UNDERDRAIN SHALL BE CENTERED UNDER CURB AND GUTTER

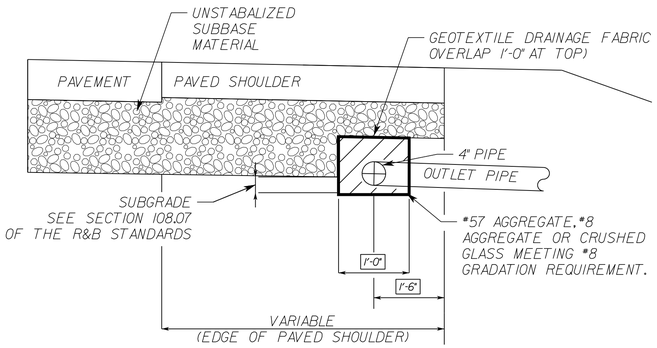
ST'D.UD-4 UNDER BARRIER



MOD UD-4 UNDER BARRIER

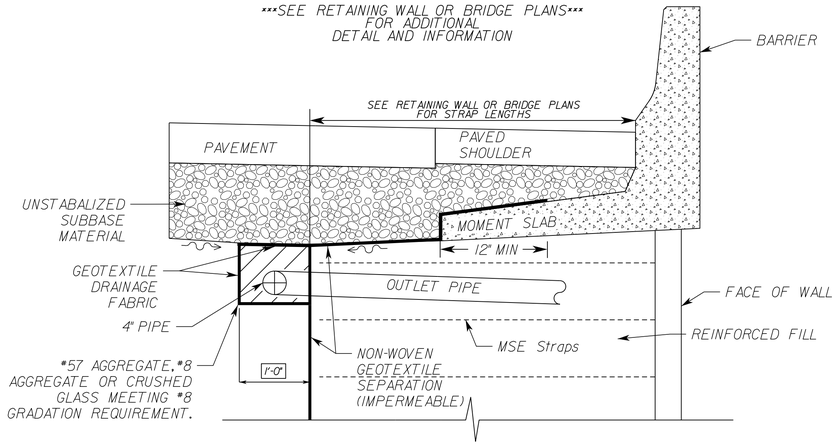


ST'D.UD-4 UNDER PAVED SHOULDER WITH MODIFIED PLACEMENT



ST'D.UD-4 ALONG MOMENT SLAB

SEE RETAINING WALL OR BRIDGE PLANS FOR ADDITIONAL DETAIL AND INFORMATION



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 1

NOVA DISTRICT

12/16/2022

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PROJECT MANAGER VDOT_-_Rimpal Shah, PE_(703) 259-2362
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DESIGN BY RDA_-_Darrell Fischer PE_(703) 334-0823
Dewberry_-_Ron. Jakimiaich. PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

COMMONWEALTH OF VIRGINIA
KELSEY S. BRANDT
Lic. No. 057265
PROFESSIONAL ENGINEER

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

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

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 - AI

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 ☐ FINAL DESIGN STAGE ☑

					BASE FLOOD 1.		DESIGN FLOOD 2.			OVERTOPPING FLOOD		HISTORICAL DATA 3.		
Sheet No.	Station (Outlet)	Stream Name	Drainage Area	Structure Size	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 %
5J	DTR_RMP_E3-2 Sta.22+10	Scott Run	2.76 sq.mi.	(2) 8' x 8' to 10' x 10' Box	2800.00	298.13	2430.00	2%	294.04	N/A	N/A	N/A	N/A	N/A
5	495XL_NB-3 Sta.564+00	Scott Run	2.91 sq.mi.	(2) 7' x 10' Box	2800.00	283.00	2430.00	2%	282.65	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 immediatly upstream of proposed bridge/culvert.

NOVA DISTRICT

12/16/2022

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

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Dewberry-_Ron_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Underdrain Summary

BASELINE	STATION FROM	STATION TO	LOCATION	UD-4 4" (LF)	UD-4 6" (LF)	CD-2 (LF)	OUTLET PIPE (LF)	EW-12 2:1	REMARKS
DTR Ramp D2	16+19	17+33	Left	116					Tie to 4G-03
DTR Ramp D2	17+36	22+00	Left		463				Modified. Tie to 4G-03
DTR Ramp D2	22+03	22+34	Left	30					Tie to 4-18
DTR Ramp D2 to G3	22+37	39+02	Left	129					Tie to 4-19
DTR Ramp G3	39+06	40+07	Left	96					Tie to 4-10
DTR Ramp G3	40+11	46+79	Left		632				Modified. Tie to 4-09
DTR Ramp E1	15+94	16+68	Left	74					Tie to 4G-02
DTR Ramp E1	16+71	21+34	Left		463				Modified. Tie to 4G-02
DTR Ramp E1	21+38	23+13	Left	173					Tie to 4-14
DTR Ramp E1	23+16	23+93	Left	76					Tie to 4-07
DTR Ramp E1	23+98	24+23	Left	25					Tie to 4-21
DTR Ramp E1	24+27	25+16	Left	87					Tie to 4-06
DTR Ramp E1	25+20	30+14	Left		488				Modified. Tie to 4-03
DTR Ramp E1	34+54	36+26	Left	174			10	1	Outfall to EW-12
DTR Ramp E1	42+65	44+00	Left	135					Tie to UD-4 in A2
DTR Ramp E1	41+66	43+23	Right	152					Outfall to 5-09
DTR Ramp E1	43+27	44+09	Right	82					Tie to UD-4 in A2
DTR Ramp E3	10+77	13+03	Left	228			10	1	Outfall to EW-12
DTR Ramp E3	13+01	15+72	Left	273			10	1	Outfall to EW-12
DTR Ramp E3	18+51	22+14	Right/Left		371	24			Tie to 5J-09
DTR Ramp E3	22+17	25+10	Left	303					Tie to Culvert 5J-02A to 5J-04
DTR Ramp E3	13+32	18+12	Right		481				Tie to 5J-15
DTR Ramp E3	18+14	18+48	Right	34					Tie to 5J-09
DTR Ramp E3	18+53	18+88	Right	35					Tie to 5J-09
DTR Ramp E3	18+90	20+48	Right	158					Tie to 5J-11
DTR Ramp E3	20+51	22+23	Right	170					Tie to 5J-18
DTR Ramp E3	22+27	25+52	Right		319				Tie to Culvert 5J-02A to 5J-04
DTR Ramp E3	25+86	26+37	Right	54			10	1	Outfall to EW-12
DTR Ramp E4	16+75	20+77	Left		402				Modified. Tie to Ex.453
DTR Ramp G10	17+70	18+50	Right	78					Tie to UD-4 in A2
Dulles Access RD Westbound	501+98	501+98	Right	16					Tie to 5-07
Dulles Access RD Westbound	502+00	503+77	Right	177					Tie to 5-08
495 GP NB	1050+12	1051+84	Left	171			15	1	Outfall to EW-12
495 GP NB	1054+32	1057+00	Left	267					Tie to Ex.347
495 GP NB	1069+63	1071+00	Right	137					Tie to UD-4 in A2

For Any Proposed Underdrain Terminus Which is Noted to Tie to Existing System, The Contractor is Responsible for Verifying That the Underdrain Does Not Exceed Allowable Lengths, the Underdrain Does Not Decrease in Size (I.E. 6" To 4"), And the Underdrain Has Positive Flow. If These Items Cannot Be Met, the Contractor is Responsible for Providing an Appropriately-Spaced UD Outlet Which Conforms to VDOT Standard Requirements.

See Sheet 2F For Additional Information on Underdrain Placement and Detail on Modified UD-4.

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

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NOVA DISTRICT

12/16/2022

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Ditch Lining Typical Sections

COMMONWEALTH OF VIRGINIA
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Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

Typical Ditch								
DTR Ramp E3	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
Left								
Ditch AI-5	10+00	to	10+39.81	1.4	0	2	2	EC-3 Type 2
Ditch AI-8	10+00	to	18+50	1.2	0	Var.	4	EC-3 Type 1
Ditch AI-9	18+50	to	20+75	0.7	0	Var.	2	EC-3 Type 1
Ditch AI-10	20+85	to	23+15	0.5	0	Var.	2	EC-3 Type 1
Ditch AI-11	24+80	to	23+15	0.3	0	2	2	EC-3 Type 1

Typical Ditch								
DTR Ramp E1	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
Right								
Ditch AI-4	30+30	to	25+15	0.5	0	2	2	EC-3 Type 1
Ditch AI-6	36+43	to	34+30	0.7	0	2	2	EC-3 Type 1
Ditch AI-7	10+00	to	12+38	0.5	0	2	2	EC-3 Type 1

Typical Ditch								
DTR Ramp D2	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
Right								
Ditch AI-1	22+05	to	20+50	0.5	0	2	2	EC-3 Type 1

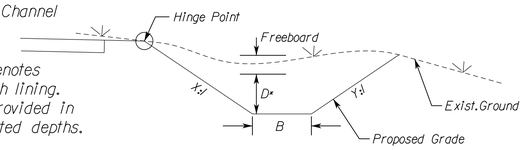
Typical Ditch								
DTR Ramp G3	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
Left								
Ditch AI-2	38+50	to	39+03	0.3	0	2	2	EC-3 Type 1
Ditch AI-3	46+06	to	40+05	0.8	0	2	2	EC-3 Type 1

Typical Ditch								
WB DAR	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Lining
Right								
Ditch AI-12	502+97	to	503+86	0.5	0	2	2	Concrete

Typical Major Channels									
Identifier	Station	to	Station	D* (ft)	B (ft)	X (ft)	Y (ft)	Frbd.(ft)	Lining
Channel AI-1	16+35	to	19+00	2.0	0	Var.	Var.	4.0	PG-3 Type 1, Class AI
Channel AI-2	20+50	to	19+00	0.3	1.0	2	2	5.0	PG-3 Type 1, Class AI
Channel AI-3	22+50	to	38+50	5.8	20	3	3	1.0	PG-3 Type 1, Class 1

Typical Major Channel Section

Proposed Major Channel

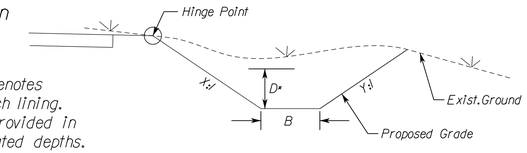


Note: Dimension "D" denotes minimum depth of ditch lining. EC-3 lining shall be provided in accordance with tabulated depths.

**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.

NOVA DISTRICT

12/16/2022

NOT TO SCALE	VDOT PROJECT NO. 0495-029-419	SHEET NO. 2J AREA 1

APPROVED FOR CONSTRUCTION

Cell Revised 12/11/12

12/16/2022
2:02:57 PM
35x23 (in)
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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas, Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

Ditch Profiles

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

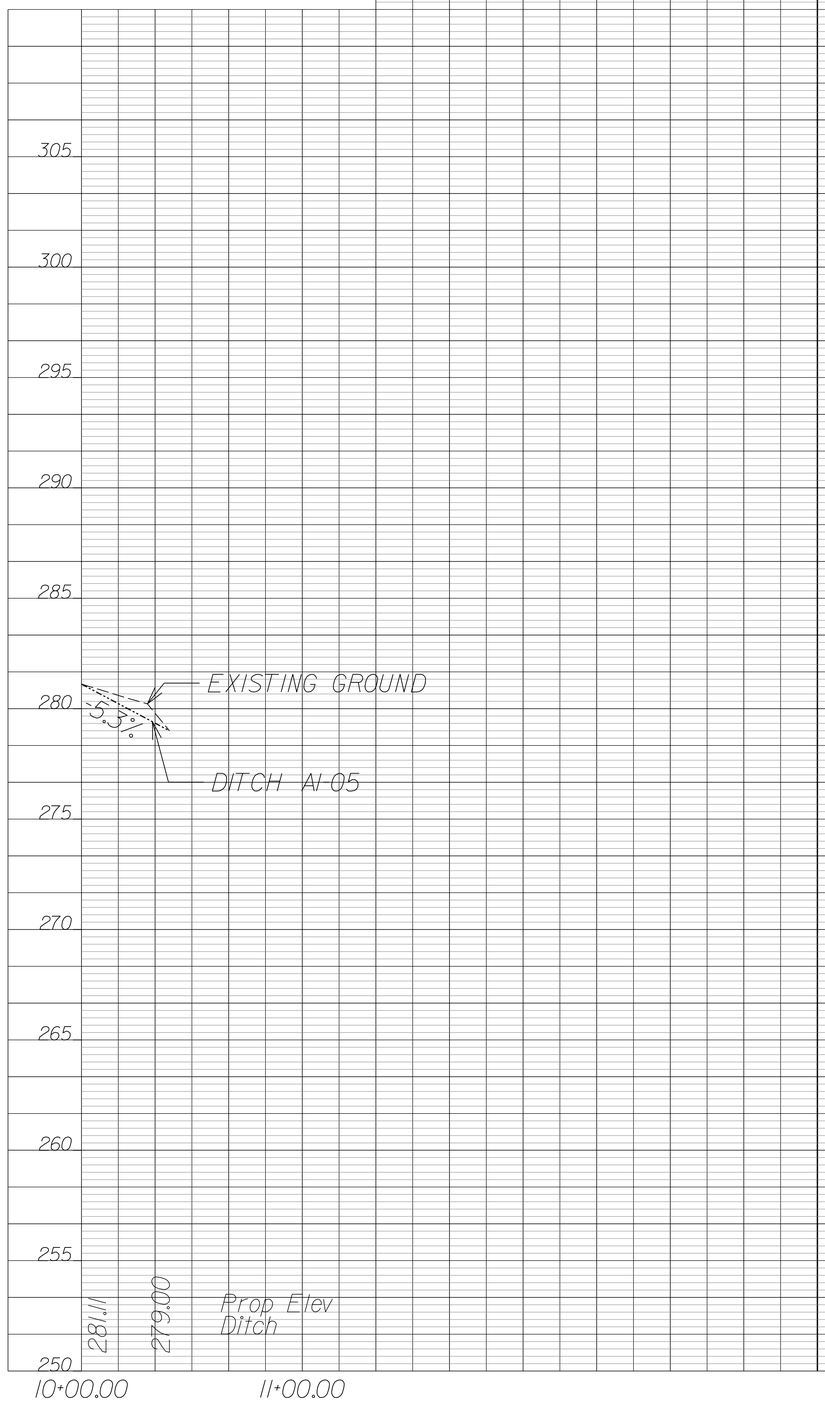
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

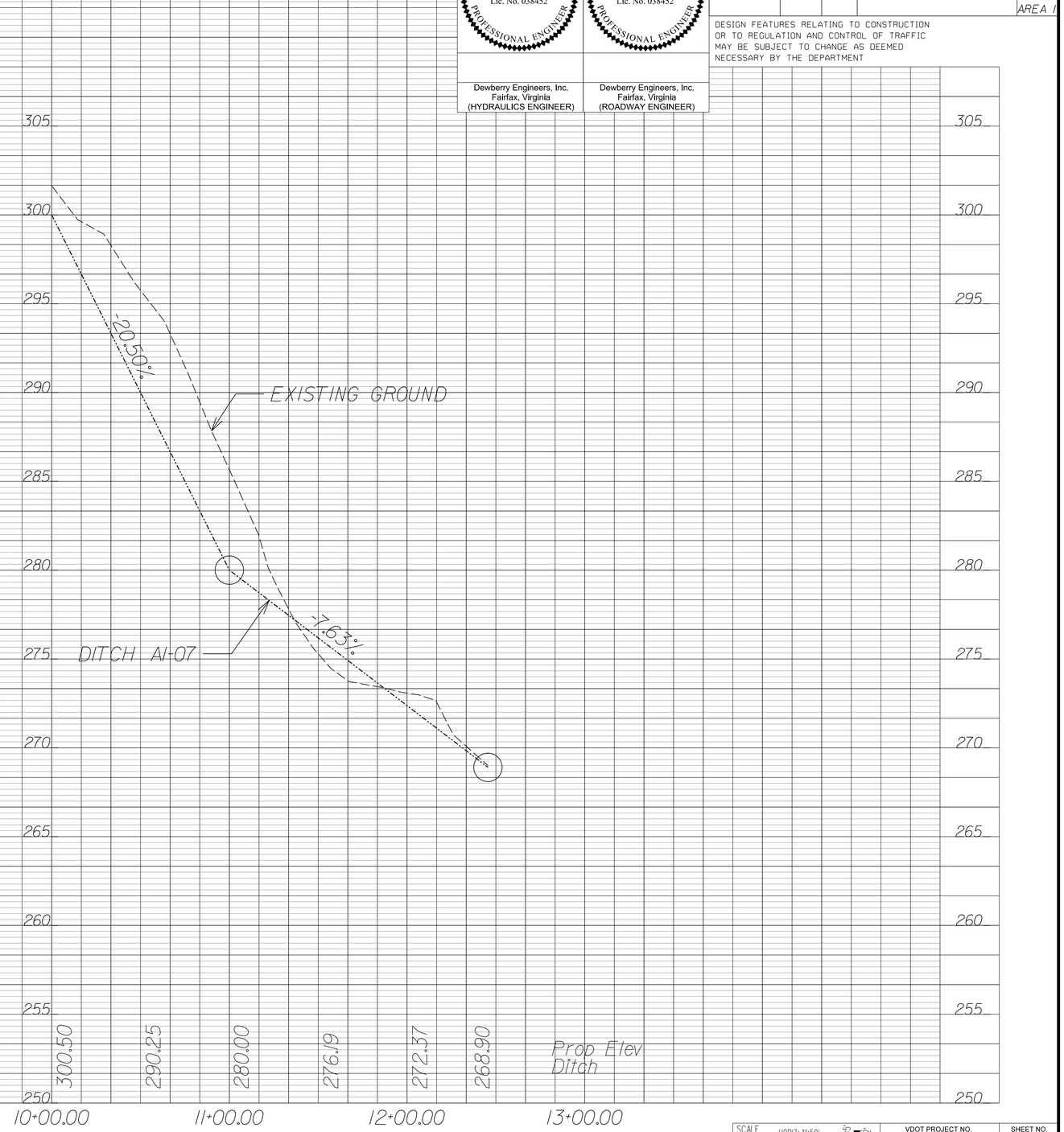
RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

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

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





SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 2J(1) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 _Accumark_-_Michael Taylor_LS_(703)_635-3060_12/2021

Drainage Descriptions

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINCH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

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

Sheet 4

Ex.345 — Modify Existing Structure
Remove Ex.Top
1 - Std. M-H-1 Frame and Cover Req'd.
Top=331.21

Ex.347 — Modify Existing Structure
Remove Ex.Top
1 - Std. T-DI-10H Req'd.
L=20' Top=324.65
Connect UD-4 to DI

Ex.536 — Modify Existing Structure
Adjust to Grade, Raise 2.0'
1 - Std. T-DI-1 Req'd.
Top=311.68
1 - Std. IS-1 Req'd.

4-01 — 1 - Std. DI-5 Type I Grate Req'd.
Std. PG-2A Type E Cover
H=4.8' Inv.=304.64 Top=309.79

4-01 to 4-09 — 5' - 24" Storm Sewer Pipe Req'd. (2' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 304.64 Inv(out) 304.61

4-02 — Structure number not assigned.

4-03 — 1 - Std. DI-10K Req'd.
L=14' H=5.3' Inv.=305.50 Top=310.70 - 310.82
Type II Req'd.
1 - Std. IS-1 Req'd.
Connect UD-4 to DI
Connect Modified UD-4 to DI

4-03 to 4-06 — 88' - 15" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 305.50 Inv(out) 304.40

4-04 — Structure number not assigned.

4-05 — 1 - Std. DI-5 Type I Grate Req'd.
Std. PG-2A Type E Cover
H=6.1' Inv.=305.90 Top=312.00
1 - Std. IS-1 Req'd.

4-05 to 4-03 — 30' - 15" Storm Sewer Pipe Req'd. (6' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 305.90 Inv(out) 305.60

4-06 — 1 - Std. DI-10K Req'd.
L=4' H=6.1' Inv.=304.30 Top=310.06 - 310.39
Type II Req'd.
1 - Std. IS-1 Req'd.
Connect UD-4 to DI

4-06 to 4-21 — 26' - 24" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 304.30 Inv(out) 304.00

4-07 — 1 - Std. DI-10K Req'd.
L=4' H=6.4' Inv.=303.29 Top=309.65 - 309.92
Type II Req'd.
Connect UD-4 to DI
1 - Std. IS-1 Req'd.
Connect to Exist. Pipe

4-08 — Structure number not assigned.

4-09 — 1 - Std. DI-10H Req'd.
L=6' H=4.2' Inv.=304.51 Top=308.75
Type I Req'd.
Connect UD-4 to DI
Connect Modified UD-4 to DI

4-09 to 4-06 — 23' - 24" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 304.51 Inv(out) 304.40

4-10 — 1 - Std. DI-10H Req'd.
Connect to Exist. 15" Pipe
L=4' H=6.3' Inv.=302.05 Top=308.34
Type I Req'd.
1 - Std. IS-1 Req'd.
Connect UD-4 to DI

4-10 to 4-11 — 76' - 42" Storm Sewer Pipe Req'd. (2' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 302.05 Inv(out) 301.65
Excavate 4" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
7 CY Minor Structure Excavation
12 Tons Bedding Material Aggregate #25 or #26

4-11 — 6.0 Lin. Ft. Precast MH
1 - Std. MH-1 Frame and Cover Req'd.
Prop. Top=307.89
Inv.=301.22
1 - Std. IS-1 Req'd.

4-11 to 4-19 — 51' - 36" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 301.22 Inv(out) 300.79
Excavate 4" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
8 CY Minor Structure Excavation
13 Tons Bedding Material Aggregate #25 or #26

4-12 — 1 - Std. DI-5 Type I Grate Req'd.
Std. PG-2A Type E Cover
H=5.5' Inv.=302.50 Top=308.00
Connect UD-4 to DI

4-12 to 4-10 — 6' - 15" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 302.50 Inv(out) 302.40

4-13 — Modify Existing Structure
Remove Exist. Top
1 - Std. MH-1 Frame and Cover Req'd.
Adjust to Grade, Lower 0.56'
Prop. Top=307.67
Inv.=298.90
1 - Std. IS-1 Req'd.

4-13 to Ex.532 — 257' - Exist. 42" Storm Sewer Pipe (4' Cover)
Inv(in) 298.90 Inv(out) 293.34

4-14 — 1 - Std. DI-10H Req'd.
L=6' H=8.8' Inv.=300.47 Top=309.21
Type I Req'd.
Connect UD-4 to DI
Connect Modified UD-4 to DI
Connect to Exist. Pipe

4-14 to 4-18 — 32' - 24" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 300.47 Inv(out) 299.35

4-15 — 1 - Std. DI-10H Req'd.
L=6' H=8.9' Inv.=301.43 Top=310.30
Type I Req'd.
Connect to Exist. Pipe

4-15 to 4-14 — 23' - 24" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 301.43 Inv(out) 300.58

4-16 — 1 - Std. ES-1 (24") Req'd.
Inv.=302.07
1 - Std. IS-1 Req'd.

4-16 to 4-15 — 14' - 24" Conc. Pipe Req'd. (7' Cover)
Extend Existing Pipe
Silt-Tight Joint Type Req'd.
Inv(in) 302.07 Inv(out) 301.54

4-18 — 1 - Std. DI-10I Req'd.
L=10' H=8.1' Inv.=299.25 Top=307.33
Type I Req'd.
1 - Std. IS-1 Req'd.
Connect UD-4 to DI
Connect Modified UD-4 to DI

4-18 to 4-13 — 24' - 36" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 299.25 Inv(out) 299.04
Excavate 4" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
3 CY Minor Structure Excavation
5 Tons Bedding Material Aggregate #25 or #26

4-19 — 1 - Std. DI-10H Req'd.
L=4' H=6.6' Inv.=300.69 Top=307.32
Type I Req'd.
1 - Std. IS-1 Req'd.
Connect UD-4 to DI

4-19 to 4-18 — 31' - 36" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 300.69 Inv(out) 300.44
Excavate 4" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
3 CY Minor Structure Excavation
5 Tons Bedding Material Aggregate #25 or #26

4-20 — 1 - Std. DI-5 Type I Grate Req'd.
Std. PG-2A Type E Cover
H=9.9' Inv.=304.50 Top=314.40

4-20 to 4-21 — 30' - 15" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 304.50 Inv(out) 304.00

4-21 — 1 - Std. DI-10H Req'd.
L=4' H=6.0' Inv.=303.90 Top=309.90
Type I Req'd.
Connect UD-4 to DI

4-21 to 4-07 — 76' - 24" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 303.90 Inv(out) 303.39

Sheet 4G

Ex.532 to 4G-09 — 24' - 42" Storm Sewer Pipe Req'd. (10' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 289.85 Inv(out) 289.70
Excavate 6" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
3 CY Minor Structure Excavation
5 Tons Bedding Material Aggregate #25 or #26

Ex.538 — Modify Existing Structure
Fill Bottom 4.1' of Structure with Concrete
1 - Std. MH-1 Frame and Cover Req'd.
Top=296.89

Ex.564 to 4G-02 — 4' - 27" Conc. Pipe Req'd. (8' Cover)
Extend Existing Pipe
Silt-Tight Joint Type Req'd.
Inv(in) 295.49 Inv(out) 293.66
Contractor To Remove Concrete
Spillage From Pipe Interior.
Concrete Within Structure Can Remain

Ex.565 to 4G-03 — 115' - 18" Storm Sewer Pipe Req'd. (3' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 296.65 Inv(out) 295.30

4G-01 — 1 - Std. DI-10H Req'd.
L=4' H=7.8' Inv.=296.24 Top=304.01
Type I Req'd.
Connect UD-4 to DI

4G-01 to 4G-02 — 74' - 15" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 296.24 Inv(out) 292.98

4G-02 — 1 - Std. DI-10I Req'd.
L=10' H=11.7' Inv.=292.88 Top=300.97 - 304.60
Type II Req'd.
Connect UD-4 to DI
Connect Modified UD-4 to DI
Connect to Exist. 24" Pipe

4G-02 to 4G-03 — 36' - 27" Existing Concrete Pipe (3' Cover)
Inv(in) 292.88 Inv(out) 292.12
Contractor To Remove Concrete
Spillage From Pipe Interior

4G-03 — 7.5 Lin. Ft. Precast MH
1 - Std. MH-1 Frame and Cover Req'd.
Prop. Top=300.17
Inv.=292.02
1 - Std. IS-1 Req'd.
Connect UD-4 to DI
Connect Modified UD-4 to DI

4G-03 to 4G-06 — 80' - 36" Storm Sewer Pipe Req'd. (4' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 292.02 Inv(out) 291.80
Excavate 4" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
3 CY Minor Structure Excavation
5 Tons Bedding Material Aggregate #25 or #26

4G-04 — 1 - Std. EW-2 (54") Req'd.
Inv.=285.00
22.5 CY Std. EC-1 Class I Req'd. Type B Installation

Ex.538 to 4G-04 — 26' - 54" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 285.13 Inv(out) 285.00
Excavate 6" below bottom of storm sewer pipe
and backfill with bedding Material Aggregate #25 or #26
3 CY Minor Structure Excavation
5 Tons Bedding Material Aggregate #25 or #26

4G-05 — 1 - Std. ES-1 (30") Req'd.
Inv.=284.50
6.25 CY Std. EC-1 Class I Req'd. Type A Installation

Ex.541 to 4G-05 — 21' - 30" Storm Sewer Pipe Req'd. (9' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 284.66 Inv(out) 284.50

4G-06 — 8.6 Lin. Ft. Precast MH
1 - Std. MH-1 Frame and Cover Req'd.
Prop. Top=301.01
Inv.=291.70

4G-06 to 4G-08 — 41' - 36" Storm Sewer Pipe Req'd. (5' Cover)
Silt-Tight Joint Type Req'd.
Inv(in) 291.70 Inv(out) 291.59
Excavate 4" Below Bottom of Storm Sewer Pipe
and Backfill with Bedding Material Aggregate #25 or #26
3 CY Minor Structure Excavation
5 Tons Bedding Material Aggregate #25 or #26

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2K AREA 1

NOVA DISTRICT

11/1/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

25.000000 ft / In.

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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. Jakomaitch. PE. (703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael T. Taylor LS. (703) 635-3060, 12/2021

Drainage Descriptions

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINCH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

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

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

4G-07 — 13.5'H x 12'L x 4'W Non-St'd. Riser Req'd.
Riser Top Elev.= 288.50'
Bottom Elev.= 275.00'
5" Dia. Low Flow Orifice Req'd.
Inv.= 285.50'
6" Pond Drain & Sluice Gate Opening Req'd.
Inv.= 278.00'
Invert Out (a) = 278.05'
Invert Out (b) = 278.09'
See Sheet 2M(2) For Non-St'd. Riser Details

4G-08 — 1 - St'd. ES-1 (36") Req'd.
Inv.=291.59
15.00 CY St'd. EC-1 Class 1 Req'd. Type B Installation

4G-09 — 1 - St'd. EW-2 (42") Req'd.
Inv.= 289.70
17.94 CY St'd. EC-1 Class 1 Req'd. Type B Installation

Sheet 5

5-01 — 1 - St'd. DI-10H Req'd.
L=8' H=7.3' Inv.=288.50 Top=295.77
Type 1 Req'd.
1 - St'd. IS-1 Req'd.
Connect UD-4 to DI

5-01 to 5-08 — 177' - 18" Storm Sewer Pipe Req'd. (9' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 288.50 Inv(out) 285.85

5-02 — 1 - St'd. DI-5 Type 1 Grate Req'd.
St'd. PG-2A Type E Cover
H=6.0' Inv.=289.00 Top=295.00
1 - St'd. IS-1 Req'd.
Connect to Exist. 15" Pipe

5-02 to 5-01 — 25' - 18" Storm Sewer Pipe Req'd. (9' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 289.00 Inv(out) 288.50

5-03 — 1 - St'd. DI-13 Req'd.
H=2.5' Inv.=331.17 Top=333.67
Type 1 Req'd.

5-03 to 5-04 — 77' - 15" Corrugated Pipe Req'd. (1' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 331.17 Inv(out) 295.00
1 - St'd. PI-1 Req'd.

5-04 — 1 - St'd. ES-2 (15") Req'd.
Inv.=295.00
1.56 CY St'd. EC-1 Class 1 Req'd Type A Installation

5-05 — 1 - St'd. ES-2 (15") Req'd.
Inv.=273.00
1.56 CY St'd. EC-1 Class 1 Req'd Type A Installation

5-06 — 1 - St'd. DI-13 Req'd.
H=2.5' Inv.=331.26 Top=333.76
Type 1 Req'd.
Connect Modified UD-4 to DI

5-06 to 5-05 — 119' - 15" Corrugated Pipe Req'd. (1' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 331.26 Inv(out) 273.00

5-07 — 1 - St'd. DI-5 Type 1 Grate Req'd.
St'd. PG-2A Type E Cover
H=5.6' Inv.=285.65 Top=291.29
1 - St'd. IS-1 Req'd.

5-07 to 5J-02 — 62' - 24" Storm Sewer Pipe Req'd. (9' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 285.65 Inv(out) 285.00

5-07 to 5J-02 — 62' - 24" Storm Sewer Pipe Req'd. (9' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 285.65 Inv(out) 285.00

5-08 — 11.1 Lin. Ft. Precast MH
1 - St'd. MH-1 Frame and Cover Req'd.
Prop. Top=297.58
Inv.=285.85
1 - St'd. IS-1 Req'd.
Connect UD-4 to DI

5-08 to 5-07 — 16' - 24" Storm Sewer Pipe Req'd. (9' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 285.85 Inv(out) 285.75

5-09 — 1 - St'd. DI-10H Req'd.
L=20' H=15.0' Inv.=300.00 Top=315.01
Type 1 Req'd.
1 - St'd. SL-1 Req'd.
Connect UD-4 to DI

5-09 to 6-14 — 216' - 24" Storm Sewer Pipe Req'd. (13' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 300.00 Inv(out) 296.28

Sheet 5J

5J-01 — Structure number not assigned.

5J-02 — 20 Lin. Ft. Precast MH
1 - St'd. MH-1 Frame and Cover Req'd.
Prop. Top=296.91
Inv.=276.24
2 - St'd. SL-1 Req'd.
1 - St'd. IS-1 Req'd.

5J-02 to 5J-02A — 52' - 24" Storm Sewer Pipe Req'd. (17' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 276.24 Inv(out) 275.44

5J-02A — Connect to Prop. 10' x 10' Double Box Culvert
Inv.=275.44

5J-03 — Connect to Exist. 8' x 8' Double Box Culvert
Inv.(a) = 270.47' Inv.(b) = 270.47'

5J-04 — 154' - 10' x 10' Double Box Culvert
Extension & Widening (BCE-01, 22' Cover)
Inv. (in) (a) = 270.47' (b) = 270.47'
Inv. (out) (a) = 269.68' (b) = 269.68'
St'd. EC-1 Class 1 Req'd. Type B Instllation
St'd. BCD-DT, BCD-30, BCW-21 Req'd
1 - St'd. BCW-21 Type 1 Wing Req'd
1 - Pre-cast Special Design Wingwall Req'd
(Downstream Right Wing Looking Upstream)
Minimum Wing Height = 6.4', Length = 31.5'
Connection Shop Drawings to be Reviewed by the Engineer
Excavate 6" below bottom of double box culvert and backfill with bedding Material Aggregate #25 or #26
825 CY Minor Structure Excavation
1370 Tons Bedding Material Aggregate #25 or #26

5J-05 — 1 - St'd. DI-5 Type 1 Grate Req'd.
St'd. PG-2A Type B3 Cover
H=12.2' Inv.=287.73 Top=299.87
1 - St'd. SL-1 Req'd.
1 - St'd. IS-1 Req'd.

5J-05 to 5J-09 — 12' - 24" Conc. Pipe Req'd. (16' Cover)
Extend Existing Pipe
Slit-Tight Joint Type Req'd.
Inv(in) 287.73 Inv(out) 283.40

5J-06 — 9.1 Lin. Ft. Precast MH
1 - St'd. MH-1 Frame and Cover Req'd.
Prop. Top=291.00
Inv.=281.21
1 - St'd. IS-1 Req'd.

5J-06 to 5J-12 — 12' - 36" Storm Sewer Pipe Req'd. (6' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 281.21 Inv(out) 281.11
2 St'd. Type 1 Wings Req'd
Excavate 4" below bottom of storm sewer pipe and backfill with bedding Material Aggregate #25 or #26
1 CY Minor Structure Excavation
2 Tons Bedding Material Aggregate #25 or #26

5J-07 — Structure number not assigned.

5J-08 — Structure number not assigned.

5J-09 — 1 - St'd. DI-2FF Req'd.
L=8' H=19.2' Inv.=283.30 Top=302.42
Type A Nose Req'd.
1 - St'd. SL-1 Req'd.
1 - St'd. IS-1 Req'd.
Connect UD-4 to DI

5J-09 to 5J-06 — 20' - 36" Storm Sewer Pipe Req'd. (16' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 283.30 Inv(out) 283.15
Excavate 4" below bottom of storm sewer pipe and backfill with bedding Material Aggregate #25 or #26
2 CY Minor Structure Excavation
4 Tons Bedding Material Aggregate #25 or #26

5J-10 — Structure number not assigned.

5J-11 — 1 - St'd. DI-2B Req'd.
L=6' H=6.6' Inv.=296.00 Top=302.53
Type A Nose Req'd.
Connect UD-4 to DI

5J-11 to 5J-09 — 36' - 15" Storm Sewer Pipe Req'd. (6' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 296.00 Inv(out) 294.06

5J-12 — 1 - St'd. ES-1 (36") Req'd.
Inv.=281.11
13.31 CY St'd. EC-1 Class 1 Type B Installation Req'd.

5J-13 — Structure number not assigned.

5J-14 — Structure number not assigned.

5J-15 — 1 - St'd. DI-2B Req'd.
L=8' H=6.6' Inv.=296.00 Top=302.60
Type A Nose Req'd.
Connect UD-4 to DI

5J-15 to 5J-09 — 34' - 15" Storm Sewer Pipe Req'd. (6' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 296.00 Inv(out) 294.06

5J-16 — 1 - St'd. ES-1 (24") Req'd.
Inv.=312.94
3.0 CY St'd. EC-1 Class A1 Type A Installation Req'd.

5J-17 — 9.6 Lin. Ft. Precast MH
1 - St'd. MH-1 Frame and Cover Req'd.
Prop. Top=323.50
Inv.=313.28
1 - St'd. IS-1 Req'd.
Connect to Exist. 24" Pipe

5J-17 to 5J-16 — 87' - 24" Storm Sewer Pipe Req'd. (7' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 313.28 Inv(out) 312.94

5J-18 — 1 - St'd. DI-2B Req'd.
L=14' H=6.3' Inv.=300.00 Top=306.26
Type A Nose Req'd.
Connect UD-4 to DI

5J-18 to 5J-11 — 159' - 15" Storm Sewer Pipe Req'd. (6' Cover)
Slit-Tight Joint Type Req'd.
Inv(in) 300.00 Inv(out) 296.10

NOVA DISTRICT

11/1/2022

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

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Drainage Descriptions

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINCH
Lic. No. 038452
PROFESSIONAL ENGINEER

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 1

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 PI-1 (104.37) In the Road and Bridge Standards				X								

NOVA DISTRICT

12/16/2022

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

APPROVED FOR CONSTRUCTION

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LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugaulis, LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darell 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

Drainage Profiles

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

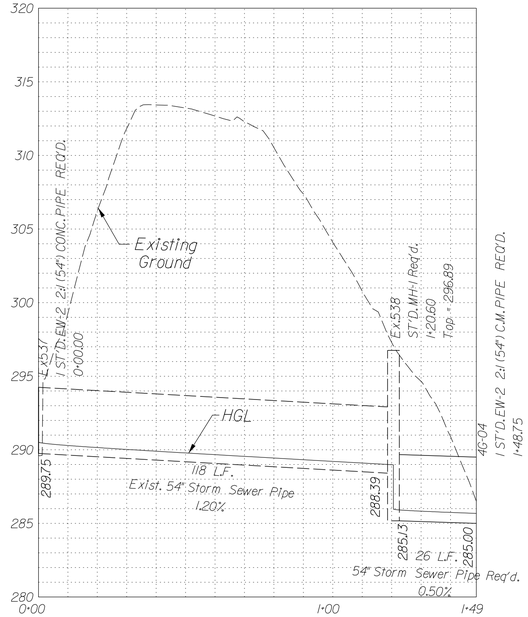
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2L AREA 1

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

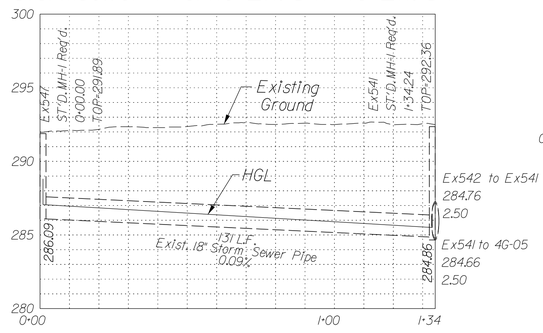
Utility Crossings are shown at assumed depths.
Elevations are to be updated once test hole data has been finalized.

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.

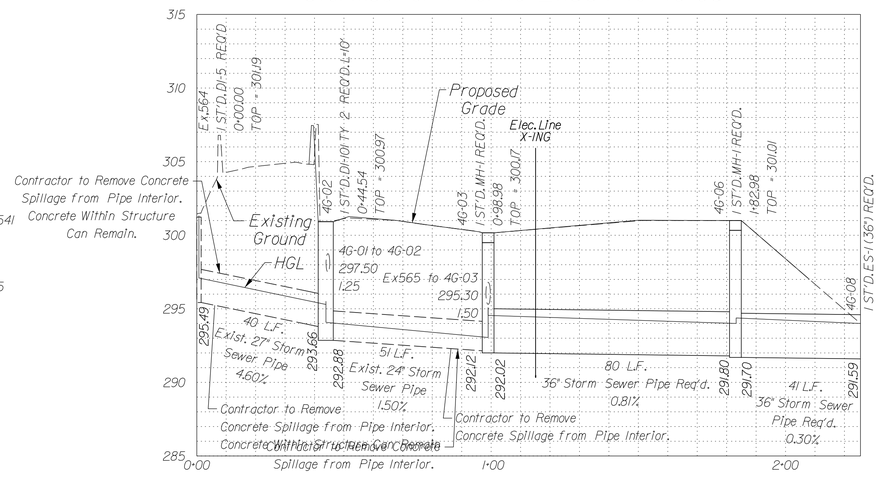
Stormsewer Profile Ex. 537 to 4G-04



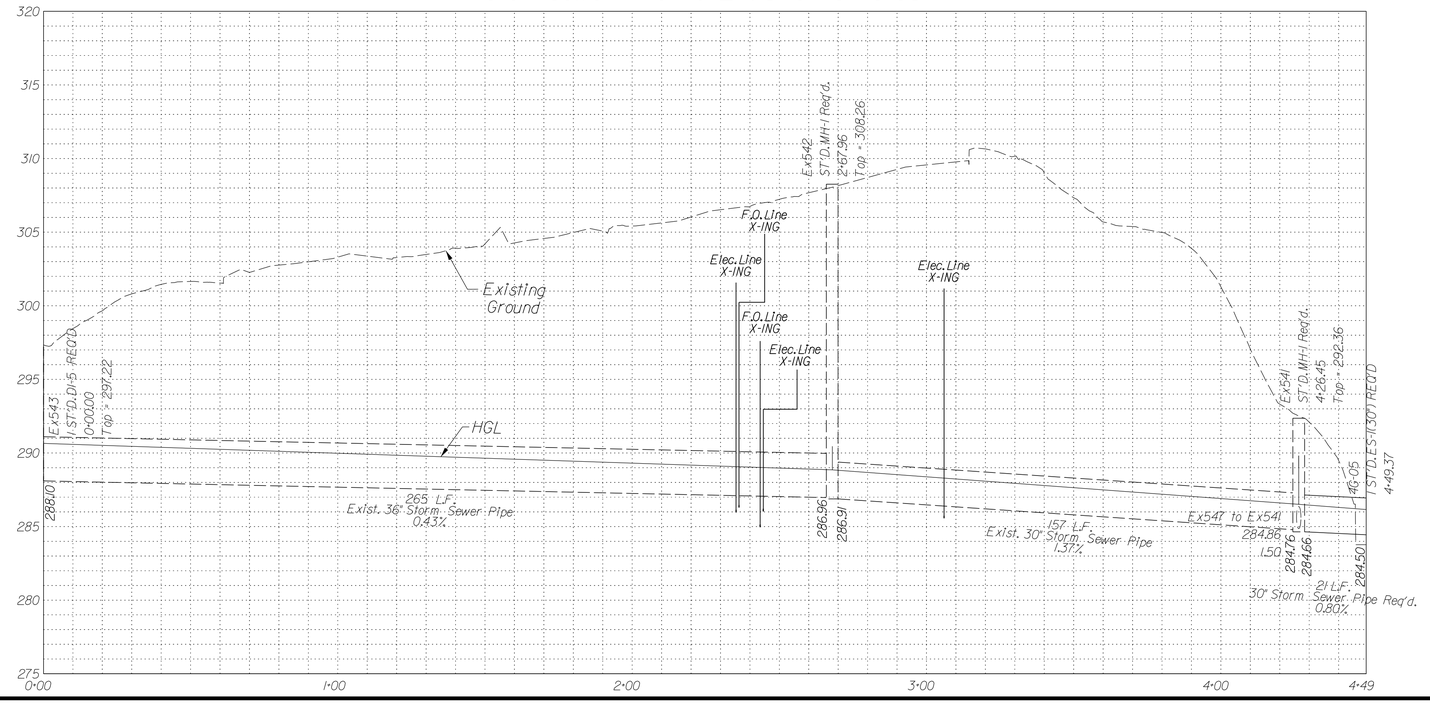
Stormsewer Profile Ex. 547 to Ex. 541



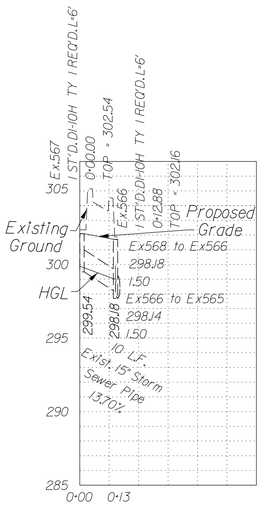
Stormsewer Profile Ex564 to 4G-08



Stormsewer Profile Ex. 543 to 4G-05



Stormsewer Profile Ex567 to Ex566



SCALE
V: 1"=5'
H: 1"=25'
0
5'
0
25'
50'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	2L AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 _Accumark_ - Michael Taylor LS. (703) 635-3060, 12/2021

Drainage Profiles

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINCH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

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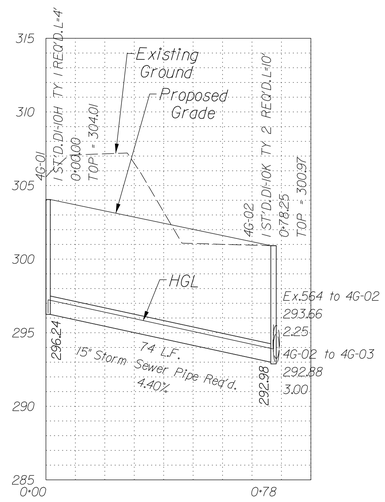
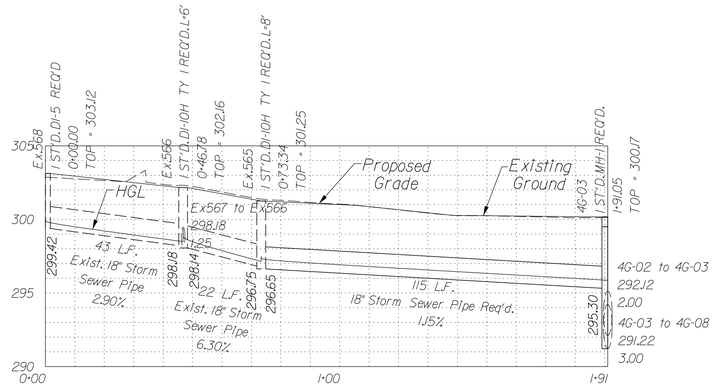
Elevations are to be updated once test hole data has been finalized.

Stormsewer Profile 4G-01 to 4G-02

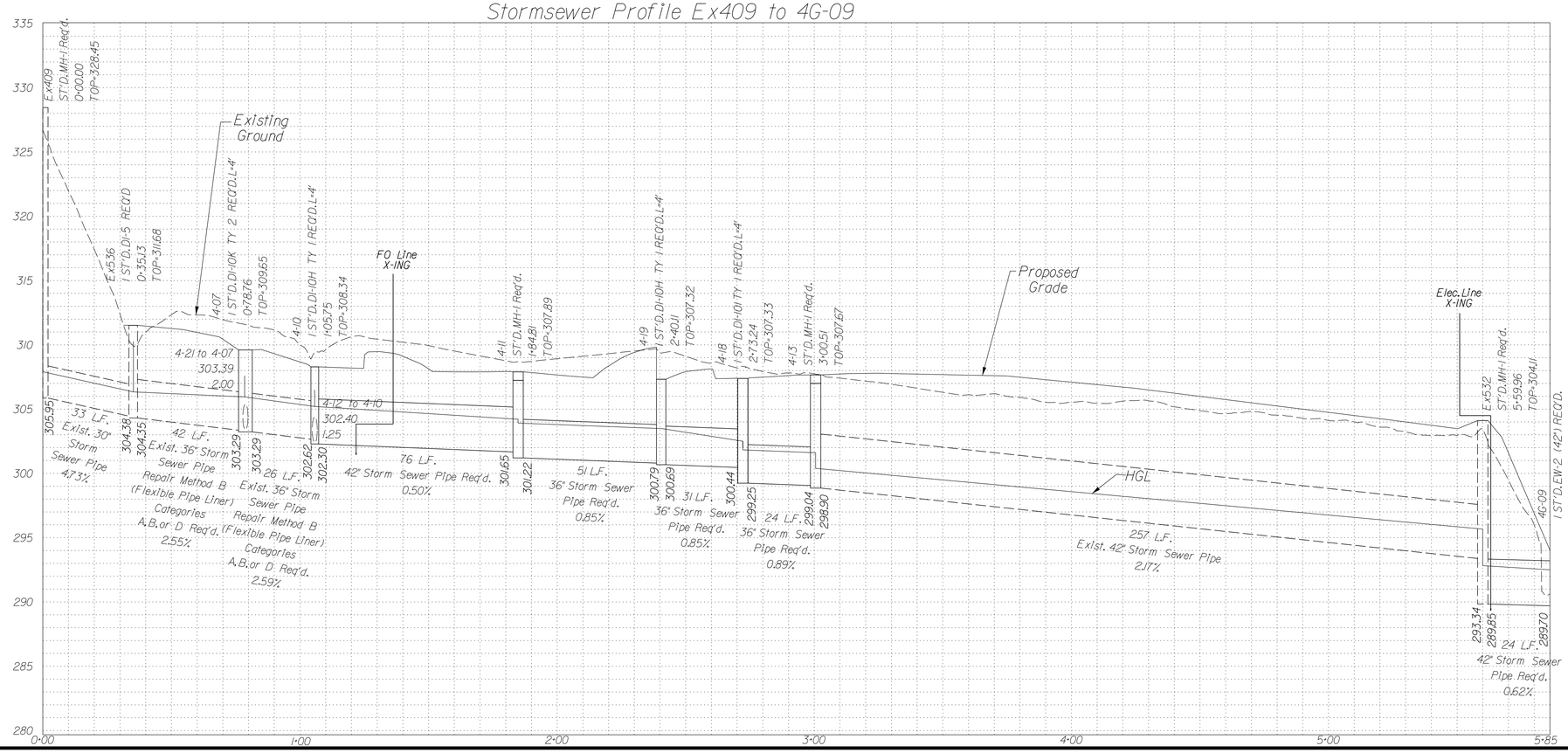


Stormsewer Profile Ex568 to 4G-03



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.

Stormsewer Profile Ex409 to 4G-09



NOVA DISTRICT

12/16/2022

SCALE
V: 1"=5'
H: 1"=25'
0 25' 50'

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

APPROVED FOR CONSTRUCTION

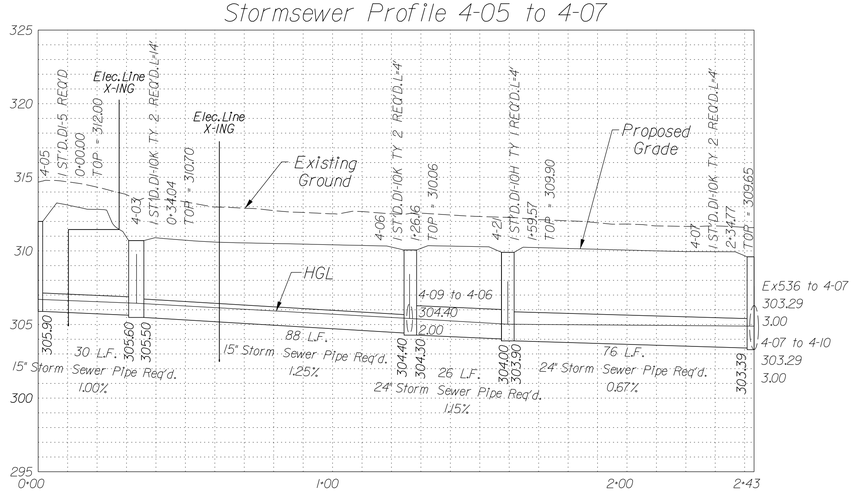
12/16/2022 2:03:46 PM | 35x23 (In.) | default_RDA.tbl | pw:\\r1nkerdesign-pw.bentley.com:r1nkerdesign-pw-01\Documents\Projects\Fredericksburg\90731\07 Project Standards\Print Drivers\default_RDA.tbl | c:\bms\r1nkerdesign-pw-01\david chakansky\dms01687\VDOTLD Local PDF.pltcfg | 25.0000 ft / In. | 1495NEXT_AI_RDW_02L(02).dgn | Plotted By: dchakansky

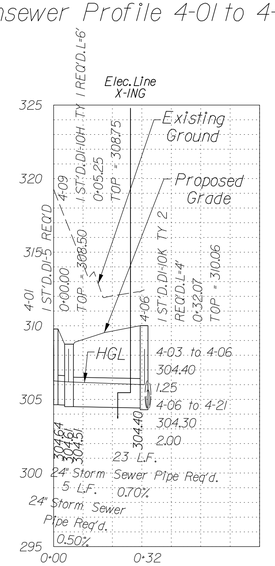
LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

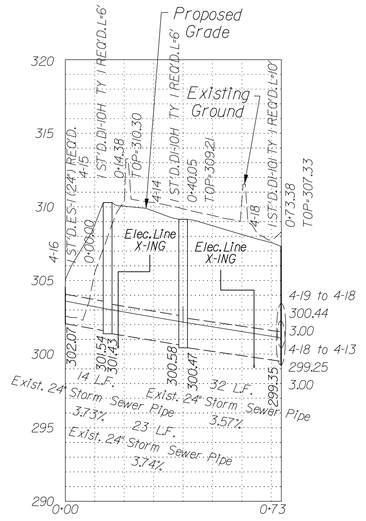
LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

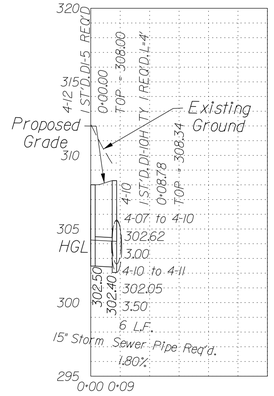
PROJECT MANAGER_VDOT_-_Rimpal_Shah_PE_(703)_259-2362_____
SURVEYED BY, DATE_RDA_-_Nicholas_Kaugaulis_LS_(703)_334-0837_12/2021_____
DESIGN BY_RDA_-_Darrell_Fischer_PE_(703)_334-0823_____
Dewberry-_Ron_Jakominich_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE_Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

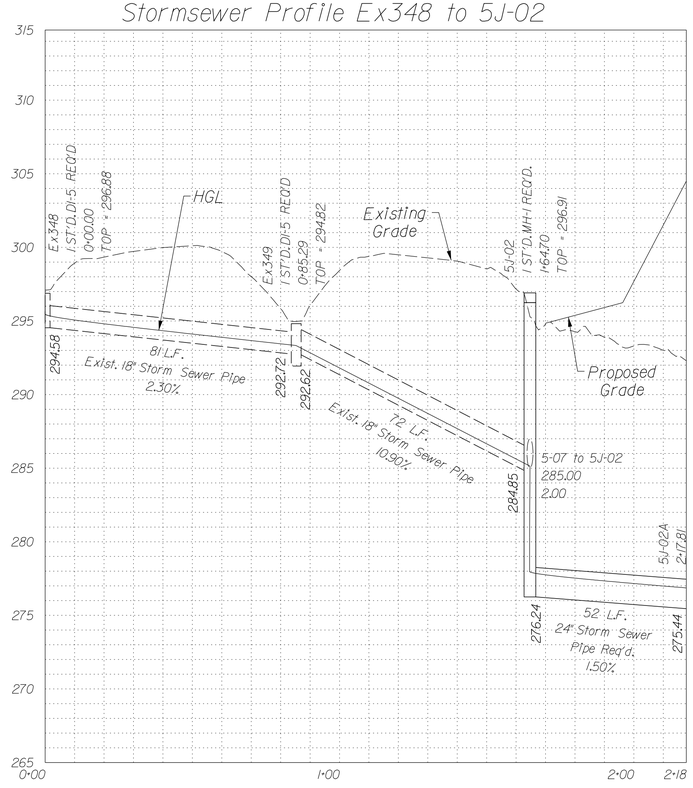
Drainage Profiles

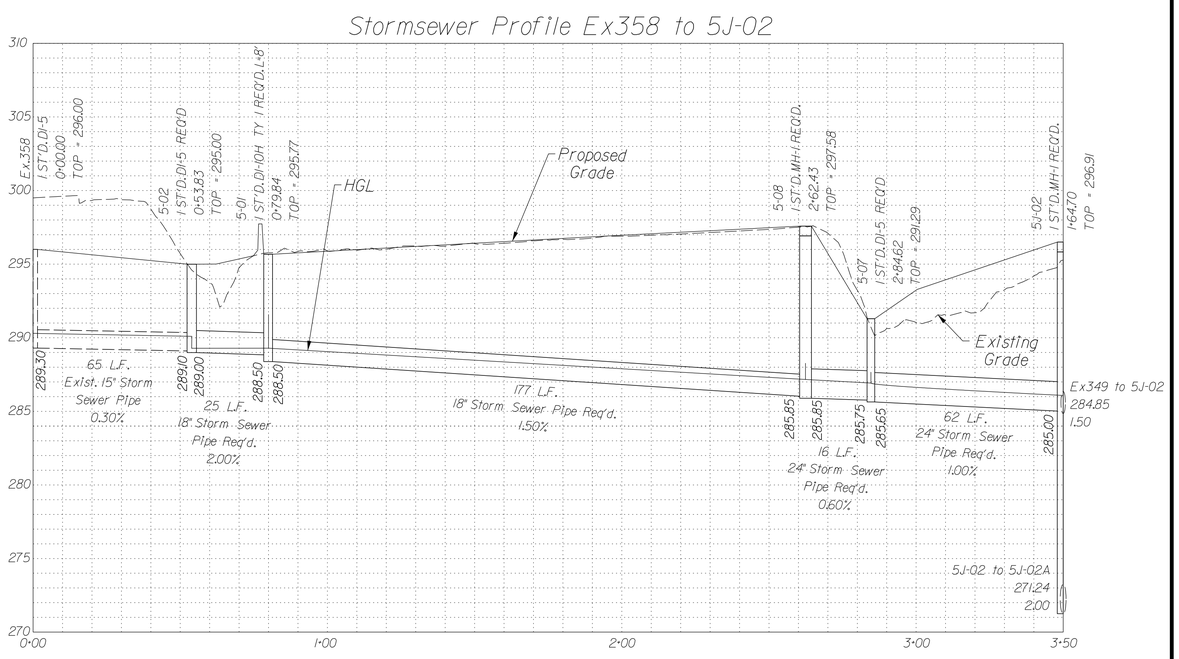




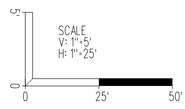








In addition to the visual inspection performed by the Department during the initial installation of storm sewer pipes and pipe culverts, a post installation visual/video camera inspection shall be conducted by the Contractor on all storm sewer pipes and a selected number of pipe culverts in accordance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



COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINCH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

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.

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

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

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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

Drainage Profiles

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINCH — Lic. No. 038452 — PROFESSIONAL ENGINEER

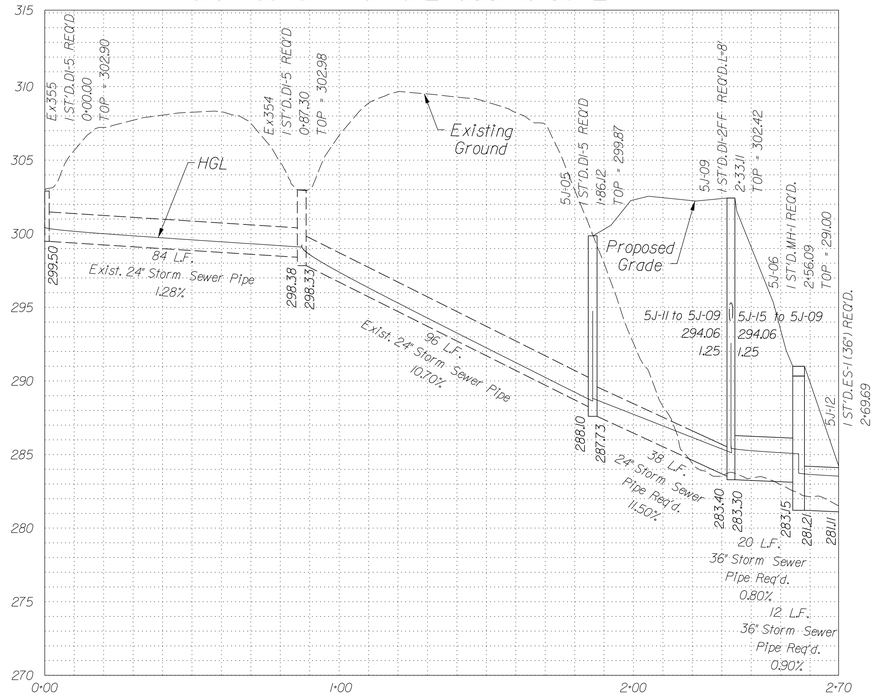
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2L(3) AREA 1

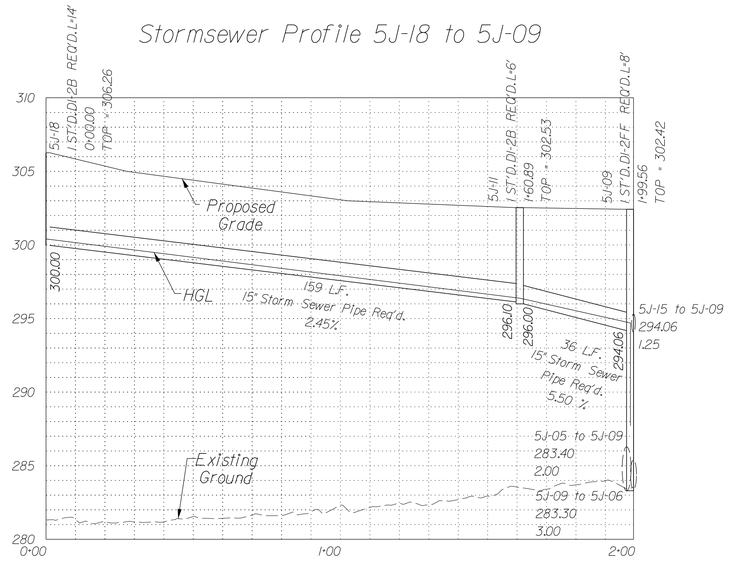
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

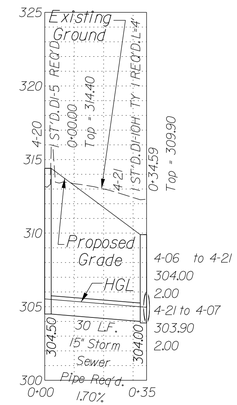
Stormsewer Profile Ex355 to 5J-12



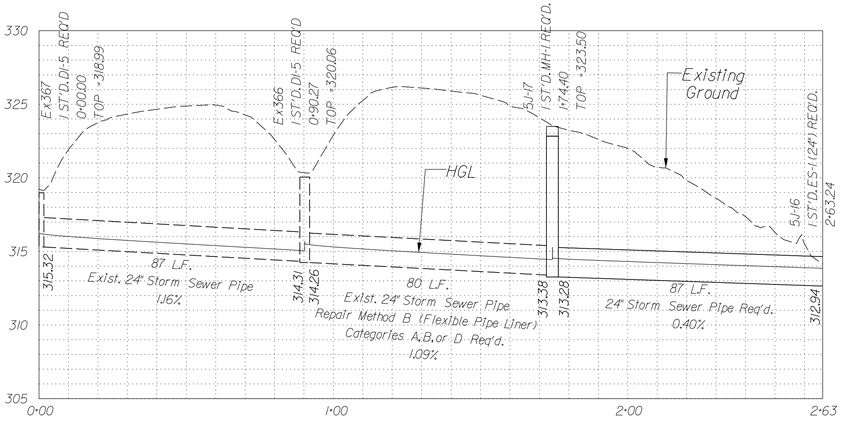
Stormsewer Profile 5J-18 to 5J-09



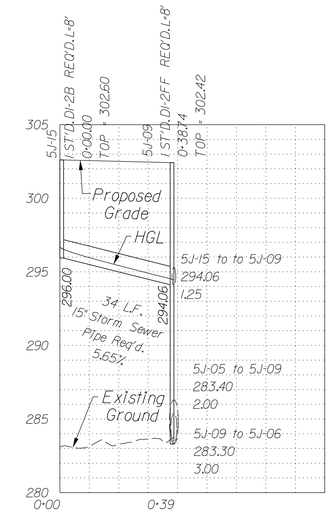
Stormsewer Profile 4-20 to 4-21



Stormsewer Profile Ex367 to 5J-16



Stormsewer Profile 5J-15 to 5J-09



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SCALE
V: 1"=5'
H: 1"=25'
0 25' 50'

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2L(3) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

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DESIGN BY _RDA - Darell Fischer PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark - Michael Taylor LS_(703) 635-3060_12/2021

STORMWATER MANAGEMENT FACILITY PLAN AND DETAIL

COMMONWEALTH OF VIRGINIA
KELSEY S. BRANDT
Lic. No. 057265
PROFESSIONAL ENGINEER

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

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

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

NOTES:
1. As-Built Drawing of Stormwater Management Facilities. The Contractor shall provide As-Built drawings of all stormwater management facilities. The As-Built drawings shall show the actual finished ground contours, outlet structure dimensions and elevations, etc. as they exist at the completion of the project. These drawings shall be signed and sealed by the Licensed Professional Engineer or Land Surveyor registered in the State of Virginia. All costs shall be included under Construction Surveying.
2. Inspections during critical stages of construction shall occur under direct supervision of a Virginia Professional Engineer to ensure that the facility is built per the approved plans and design.
3. This facility shall be maintained by Virginia Department of Transportation.
4. Refer to the 2L series for Drainage Descriptions.
5. The contractor shall provide certification from an independent source that all proposed BMP facilities were constructed in accordance with applicable and current industry standards, and the manufacturer's specifications. All costs shall be included under Construction Surveying.
6. The contractor shall be responsible for maintaining the proposed BMP's once all connections have been completed, and shall certify that the BMP has been maintained per manufacturer's maintenance guidelines (or relevant industry standards) prior to transfer to VDOT.
7. When installing the steps and trash rack to the control structure, the contractor shall ensure that the steps and trash rack hinged access door are oriented to the embankment side of the control structure, and are to the extent possible, in direct alignment with each other.
8. Design observes all geotechnical recommendations. Seasonal groundwater elevation and bedrock elevation have been indicated on the plans. For additional information see the Geotechnical Engineering Report prepared by ECS Mid-Atlantic, LLC.
9. Refer to the Virginia Stormwater Management Handbook Minimum Standard (MS) 3.06 for Retention Basin design specifications, MS 3.01 for Earthen Embankment, MS 3.02 for Principal Spillway, MS 3.03 for Vegetated Emergency Spillway, MS 3.04 for Sediment Forbay, and MS 3.05 for Landscaping.

BMP-4
EXISTING FACILITY RETROFIT TO PROVIDE RETENTION BASIN III (TO BE MAINTAINED BY VDOT)

30.3' Forebay Spillway
Berm Elev = 288.00
Spillway Elev = 287.00
See Sheet 2M(3) for Detail

24' Forebay Spillway
Berm Elev = 286.00
Spillway Elev = 285.00

Aquatic Bench
285.5'-284.5'
10' Width

Aquatic Bench
285.5'
80' Width

Sediment Forebay
284.50±

278.00±

VDOT Class I Rip Rap

EXISTING ACCESS

Base Only

Exist. FAA R/W

Exist. VDOT R/W

Channel A-1

Channel A-2

NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0495-029-419	2M AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

STORMWATER MANAGEMENT FACILITY PLAN AND DETAIL

KELSEY S. BRANDT
Lic. No. 057265
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

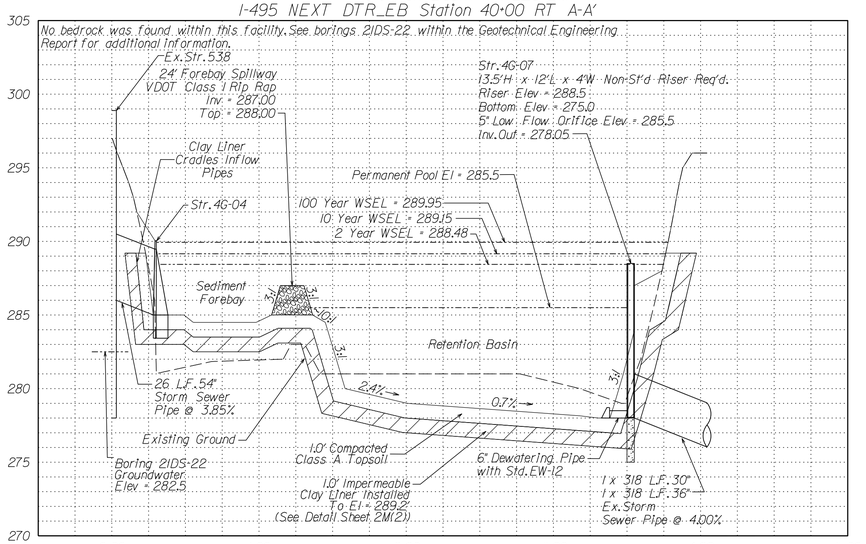
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

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

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

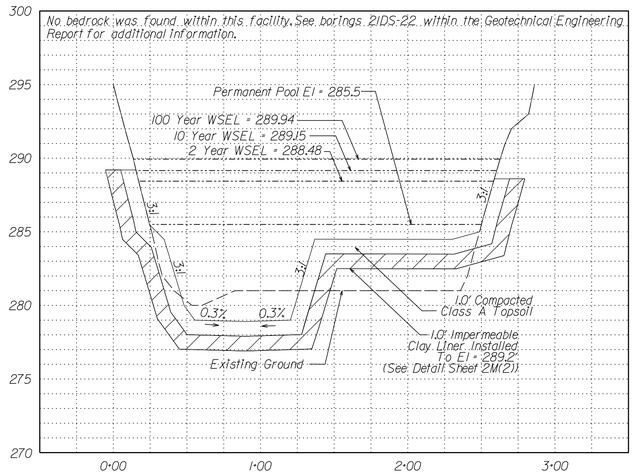
BMP-4 PROFILE VIEW
RETENTION BASIN III

Retention Basin III PL23-BMP-4
I-495 NEXT DTR_EB Station 40+00 RT A-A'



Scale: 1" = 50' HORIZ.
1" = 5' VERT.

Retention Basin III PL23-BMP-4
I-495 NEXT DTR_EB Station 40+00 RT B-B'



Scale: 1" = 50' HORIZ.
1" = 5' VERT.

NOTES:
1. As-Built Drawing of Stormwater Management Facilities. The Contractor shall provide As-Built drawings of all stormwater management facilities. The As-Built drawings shall show the actual finished ground contours, outlet structure dimensions and elevations, etc. as they exist at the completion of the project. These drawings shall be signed and sealed by the Licensed Professional Engineer or Land Surveyor registered in the State of Virginia. All costs shall be included under Construction Surveying.
2. Inspections during critical stages of construction shall occur under direct supervision of a Virginia Professional Engineer to ensure that the facility is built per the approved plans and design.
3. This facility shall be maintained by Virginia Department of Transportation.
4. Refer to the 2L series for Drainage Descriptions.
5. The contractor shall provide certification from an independent source that all proposed BMP facilities were constructed in accordance with applicable and current industry standards, and the manufacturer's specifications. All costs shall be included under Construction Surveying.
6. The contractor shall be responsible for maintaining the proposed BMP's once all connections have been completed, and shall certify that the BMP has been maintained per manufacturer's maintenance guidelines (or relevant industry standards) prior to transfer to VDOT.
7. When installing the steps and trash rack to the control structure, the contractor shall ensure that the steps and trash rack hinged access door are oriented to the embankment side of the control structure, and are to the extent possible, in direct alignment with each other.
8. Design observes all geotechnical recommendations. Seasonal groundwater elevation and bedrock elevation have been indicated on the plans. For additional information see the Geotechnical Engineering Report prepared by ECS Mid-Atlantic, LLC.
9. Refer to the Virginia Stormwater Management Handbook Minimum Standard (MS) 3.06 for Retention Basin design specifications, MS 3.01 for Earthen Embankment, MS 3.02 for Principal Spillway, MS 3.03 for Vegetated Emergency Spillway, MS 3.04 for Sediment Forbay, and MS 3.05 for Landscaping.

NOVA DISTRICT

12/16/2022

HORIZ: 1"=50' (0, 20', 50')	VERT: 1"=5' (0, 1', 2')	VDOT PROJECT NO.	SHEET NO.
		0495-029-419	2M(1) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

STORMWATER MANAGEMENT FACILITY PLAN AND DETAIL

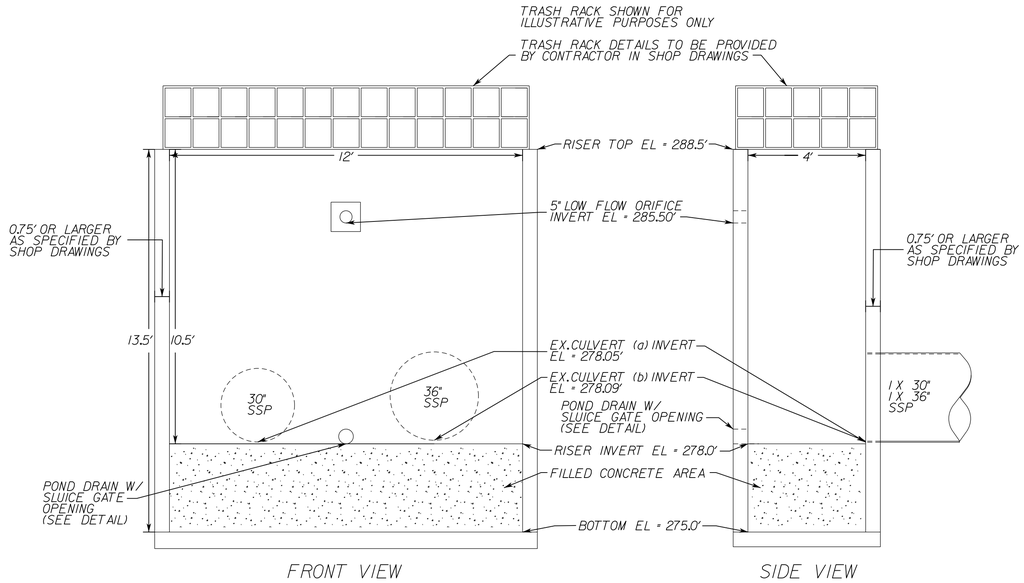
BMP-4 DETAILS
RETENTION BASIN III

COMMONWEALTH OF VIRGINIA
KELSEY S. BRANDT
Lic. No. 057265
PROFESSIONAL ENGINEER

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

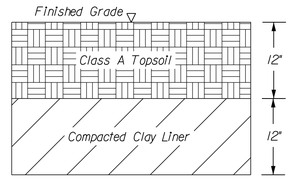
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2M(2) AREA 1

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

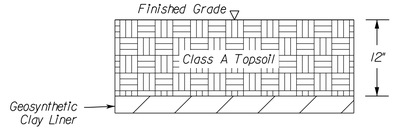


Non-St'd Riser Outlet Structure Detail
STR. 4G-07
(Not To Scale)

Note: Liner and topsoil shall comply with VDOT Special Provision for "Low Permeability Liners for Stormwater Management Facilities" dated 10/7/11 and Appendix 11A-1 Section 4.3.1 of the 2002 VDOT Drainage Manual, Rev. 05/2017.

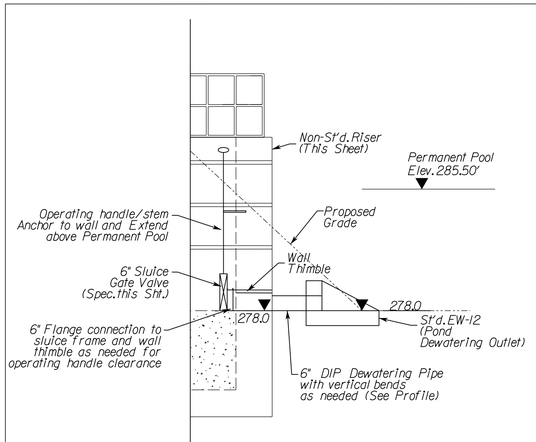


Compacted Clay Liner



Geosynthetic Clay Liner

Detail
Clay Liner
(Not To Scale)



Pond Drain with Sluice Gate Valve Detail
STR. 4G-07
(Not to Scale)

NOTES:
1. Sluice gate shall meet AWWA C-501 general and performance criteria. All wedges and wedge blocks shall be of corrosion resistant material.
2. The gate valve is normally closed at all times during normal pond operation. The gate valve shall be opened to dewater the normal pool for maintenance activities.
3. Wall thimble opening shall be sealed with non shrink grout and/or solid masonry units per VDOT Spec. 302.3 (B).
4. Sluice gate valve, operating handle, riser stem, flanges, thimble, seal, and all necessary mounting and operating appurtenances will be included in the price of the gate valve. 6" DIP pipe and modified EW-12 shall be included.
5. Steps as required shall be provided with minimum 12" clearance from valve assemblies to facilitate operation and maintenance.
6. Operating handle/stem shall be anchored to the wall and extend above the permanent pool.

Gate Valve
Use- Waterman Model SC-5900 6" sluice gate with resilient seats, or Penn-Troy, Troy ValveModel A 3500, 6" sluice gate or Hydro Gateheavy duty sluice gate, Model HG 560, 6" (Or approved equal with Resilient Seats)

Dewatering Procedure

In the event that dewatering of the permanent pool is required, contactor to open sluice gate to allow water volume above the the outlet to drain.

Permanent Pool Elevation	285.50
Volume of Permanent Pool	131,769 cf (985,701 gallons)
Invert of Sluice Gate	278.00
Basin Invert	278.00

NOTES:
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3. This facility shall be maintained by Virginia Department of Transportation.
4. Refer to the 2L series for Drainage Descriptions.
5. The contractor shall provide certification from an independent source that all proposed BMP facilities were constructed in accordance with applicable and current industry standards, and the manufacturer's specifications. All costs shall be included under Construction Surveying.
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7. When installing the steps and trash rack to the control structure, the contractor shall ensure that the steps and trash rack hinged access door are oriented to the embankment side of the control structure, and are to the extent possible, in direct alignment with each other.
8. Design observes all geotechnical recommendations. Seasonal groundwater elevation and bedrock elevation have been indicated on the plans. For additional information see the Geotechnical Engineering Report prepared by ECS Mid-Atlantic, LLC.
9. Refer to the Virginia Stormwater Management Handbook Minimum Standard (MS) 3.06 for Retention Basin design specifications, MS 3.01 for Earthen Embankment, MS 3.02 for Principal Spillway, MS 3.03 for Vegetated Emergency Spillway, MS 3.04 for Sediment Forbay, and MS 3.05 for Landscaping.

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

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_Shah_PE_(703)_259-2362_
SURVEYED BY, DATE _RDA_-_Nicholas_Kaugaulis_LS_(703)_334-0837_12/2021_
DESIGN BY _RDA_-_Darell_Fischer_PE_(703)_334-0823_
Dewberry-_Ron_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

STORMWATER MANAGEMENT FACILITY PLAN AND DETAIL

BMP-4 DETAILS
RETENTION BASIN III

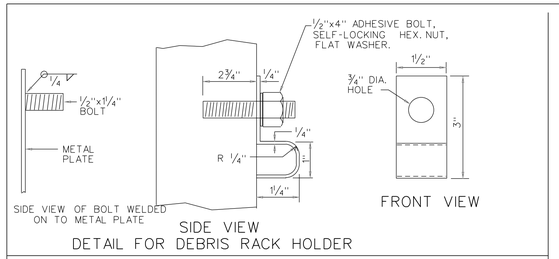
COMMONWEALTH OF VIRGINIA
KELSEY S. BRANDT
Lic. No. 057265
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2M(3) AREA 1

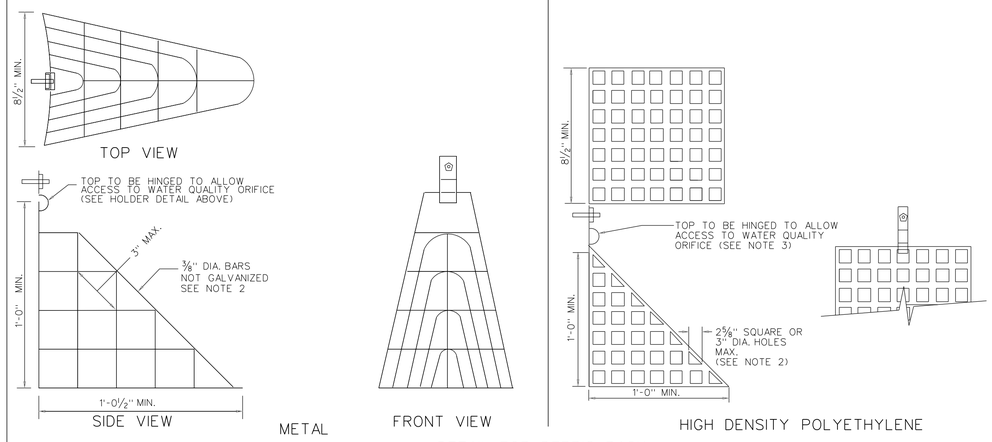
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SWM-DR



DETAIL FOR DEBRIS RACK HOLDER

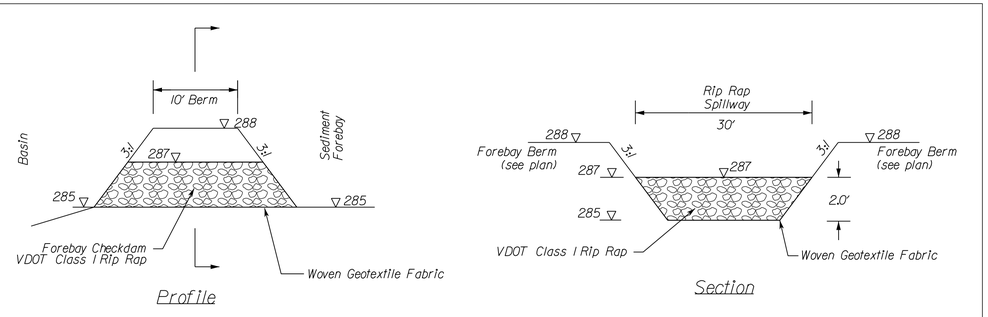
1. COST OF DEBRIS RACK, METAL PLATE, AND DEBRIS RACK HOLDER TO BE INCLUDED IN THE BID PRICE FOR THE SWM DRAINAGE STRUCTURE.
2. DEBRIS RACK MAY BE FABRICATED FROM WELDED ⅜" DIAMETER BARS OR ½" THICK HIGH DENSITY POLYETHYLENE. METAL COMPONENTS OF DEBRIS RACK MUST NOT BE GALVANIZED.
3. DEBRIS RACK TO BE HINGED AS SHOWN OR CONTRACTOR MAY SUBSTITUTE A COMPARABLE DESIGN AS APPROVED BY THE ENGINEER.
4. THE LOCATION OF THE DEBRIS RACK HOLDER MAY BE ADJUSTED FOR VARIABLE CONDITIONS. WHEN HOLDER BOLT IS LOCATED ON THE METAL PLATE THE ½" DIA. BOLT LENGTH IS TO BE REDUCED ¼" LG. AND WELDED TO THE PLATE. DEBRIS RACK HOLDER AND ALL HARDWARE IS TO BE GALVINIZED.



DETAIL FOR DEBRIS RACK
(FOR WATER QUALITY ORIFICE)

SHEET 2 OF 5

SPECIFICATION REFERENCE	STORMWATER MANAGEMENT (SWM) DETAILS	
302	DEBRIS RACK, METAL PLATE, WATER QUALITY ORIFICE, CONCRETE CRADLE (FOR SWM DRAINAGE STRUCTURES, SWM RISER PIPES AND SWM DAMS) VIRGINIA DEPARTMENT OF TRANSPORTATION	REV. 3/03 116.05



Detail
Sediment Forebay Spillway
(Not To Scale)

NOTES:
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VDOT PROJECT NO.	SHEET NO.
0495-029-419	2M(3) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Roadside Development Area I

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

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

TEMPORARY SEED MIX

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

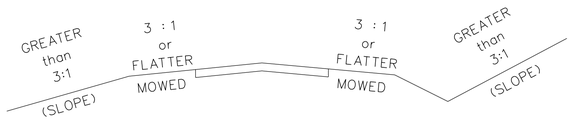
LITTLE BLUESTEM	15 LB
100% BARLEY, WINTER RYE OR WINTER WHEAT	10 LB
WHITE CLOVER (TRIFOLIUM REPENS)	15 LB
BLACK-EYED SUSAN (RUDBECKIA HIRTA)	20 LB
LANCED-LEAVED COREOPSIS (COREOPSIS LANCEOLATA)	10 LB

✳ 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)

SECTION OF SEED LOCATIONS



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

APPROXIMATELY 4.43 ACRES WILL BE DISTURBED ON THIS PROJECT AND WILL REQUIRE THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES.

NOTES:

NOTES FOR FIELD USE ONLY

OVERSEEDING RATE SHALL BE 100 PERCENT OF THE SEED MIXTURE SUPPLIED WITHOUT FERTILIZER.

THE ENGINEER WILL REQUIRE THE CONTRACTOR TO PERFORM SUPPLEMENTAL SEEING WHEN LESS THAN 75 PERCENT UNIFORM STAND OF THE PERMANENT GRASS SPECIFIED IN THE MIXTURE IS OBTAINED. (ANNUAL SPECIES SUCH AS RYE AND MILLET ARE TEMPORARY VARIETIES AND REQUIRE SUPPLEMENTAL SEEDING.)

NOTES APPLY TO SCHEDULE

LEGUME SEED MIXES (BIRDSFOOT TREFOIL, CROWNVETCH, AND SERICEA LESPEDEZA) AND WEEPING LOVEGRASS SHALL NOT BE USED ON SHOULDERS AND OTHER LOCATIONS FLATTER THAN 3:1 SLOPE.

LEGUME SEED SHALL BE INOCULATED WITH THE APPROPRIATE STRAIN AND RATE OF BACTERIA. FOR HYDROSEEDING, USE FIVE TIMES THE DRY SEEDING RATE OF INOCULATE.
A TEMPORARY MIX OR EROSION CONTROL MULCH, AS DIRECTED BY THE ENGINEER, IS TO BE USED ONLY ON AREA THAT ARE TO BE REGRADED OR LATER DISTURBED, IF LEFT DORMANT FOR MORE THAN 15 DAYS.

EROSION CONTROL MULCH, AS LISTED ON THE VDOT APPROVED PRODUCTS LIST, SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

EROSION CONTROL MULCH SHALL PROVIDE 100 PERCENT COVERAGE OF ALL DENUDED AREAS.

SPRING & SUMMER AND FALL & WINTER DEFINED FOR THE PURPOSE OF DETERMINING WHETHER HULLED OR UNHULLED BERMUDA GRASS AND SERICEA LESPEDEZA SEED IS REQUIRED.

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 SEEDED 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, CLODS, 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.

ROADSIDE DEVELOPMENT SUMMARY

PROJECT NUMBERS AND/OR LOCATION DESC.	REGULAR SEED	OVER SEEDING	LEGUME SEED	LEGUME OVER SEEDING	TEMPORARY SEED	⊗ TOPSOIL (CLASS & DEPTH)	LIME	FERTILIZER - REGULAR N NITROGEN	FERTILIZER - REGULAR P PHOSPHORUS	FERTILIZER - REGULAR K POTASSIUM	HECP (TYPE 1)	HECP (TYPE 2)	HECP (TYPE 3)	HECP (TYPE 4)
	LBS.	LBS.	LBS.	LBS.	LBS.	C.Y./ACRES	TONS	LBS.	LBS.	LBS.	S. Y.	S. Y.	S. Y.	S. Y.
0495-029-419	665	532			309	2.21 AC.	18.60	398	531	266		-	-	
								FERTILIZER - TEMPORARY						
								-	-	-				
								FERTILIZER - OVERSEEDING						
								-	-	-				

⊗ 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)

UPDATED: 10/18/2019

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

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell Fischer PE, (703) 334-0823,
Dewberry - Ron Jakomiolch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

STREAM RELOCATION

PLAN VIEW

COMMONWEALTH OF VIRGINIA
KELSEY S. BRANDT
Lic. No. 057265
PROFESSIONAL ENGINEER

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

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

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

DULLES ACCESS RD.

DULLES TOLL RD. RAMP E3

APPROX. CENTERLINE OF EXISTING CHANNEL

STR. 5J-04 EXTENSION

DULLES TOLL RD.

STREAM CROSS SECTIONS

APPROX. CENTERLINE OF PROPOSED CHANNEL

LEGEND

OVER-BANK AREA SEEDED WITH NATIVE WETLAND SEED MIX

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0495-029-419	2P(01) AREA I

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

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

COMMONWEALTH OF VIRGINIA
KELSEY S. BRANDT
Lic. No. 057265
PROFESSIONAL ENGINEER

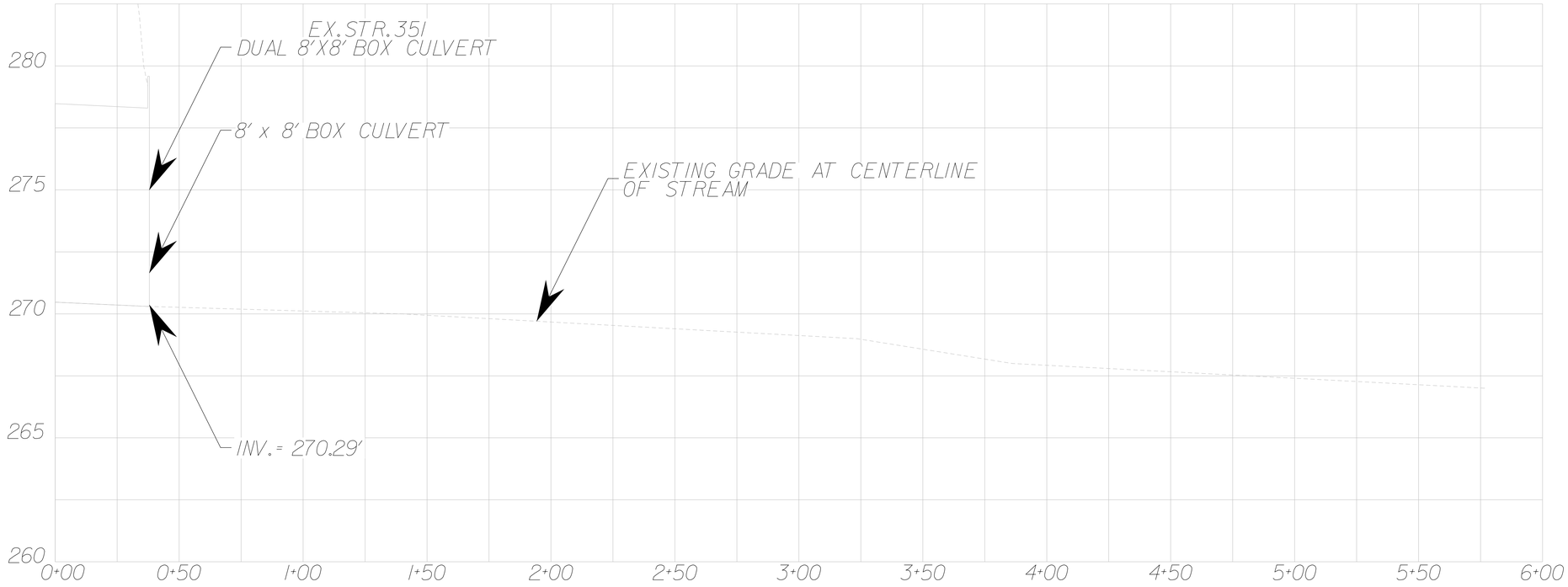
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

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

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

STREAM RELOCATION

EXISTING STREAMLINE



VERTICAL 1"=2.5'
HORIZONTAL 1"=25'

NOVA DISTRICT

12/16/2022

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2P(02) AREA I

APPROVED FOR CONSTRUCTION

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LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

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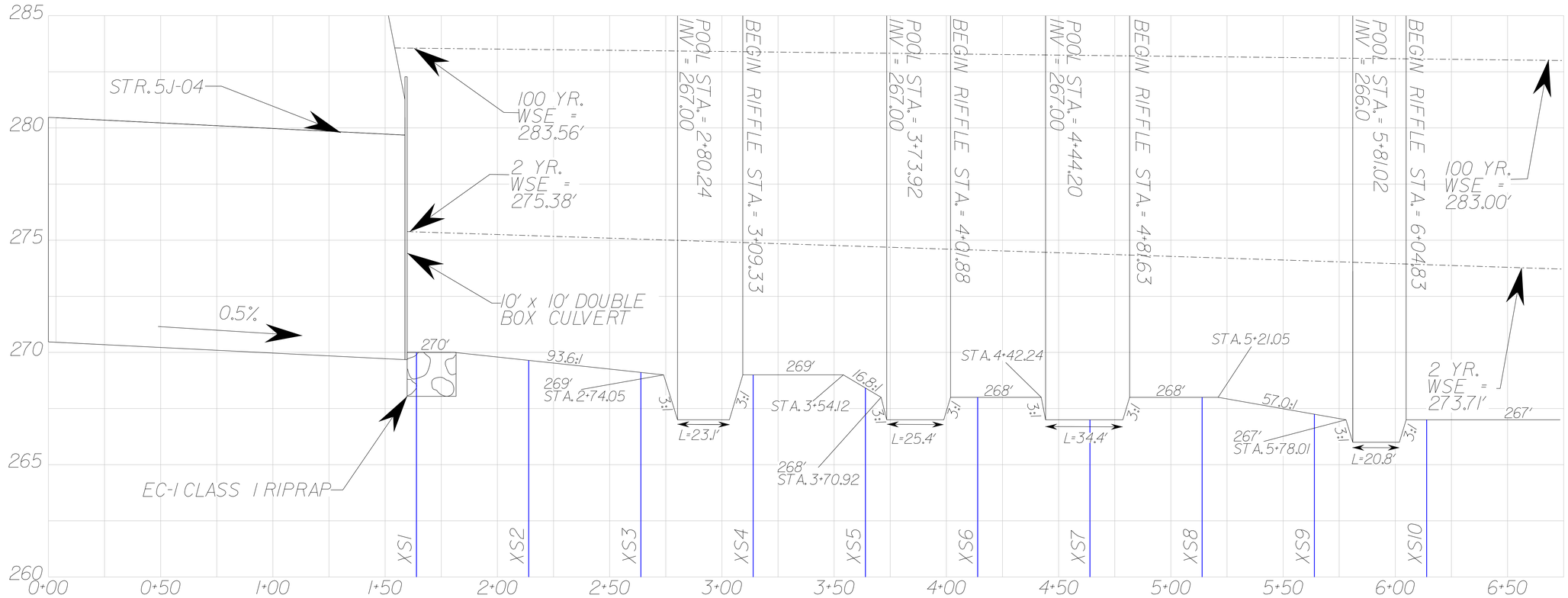
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2P(03) AREA 1

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

STREAM RELOCATION

PROPOSED STREAMLINE



VERTICAL 1"=2.5'
HORIZONTAL 1"=25'

NOVA DISTRICT

12/16/2022

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2P(03) AREA 1

APPROVED FOR CONSTRUCTION

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REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2P(04) AREA 1

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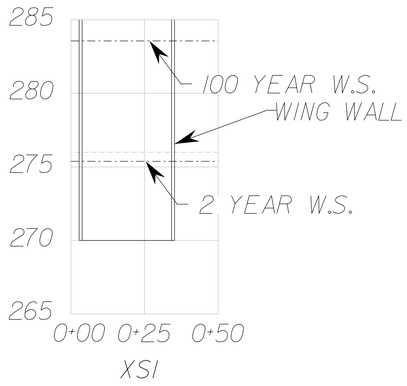
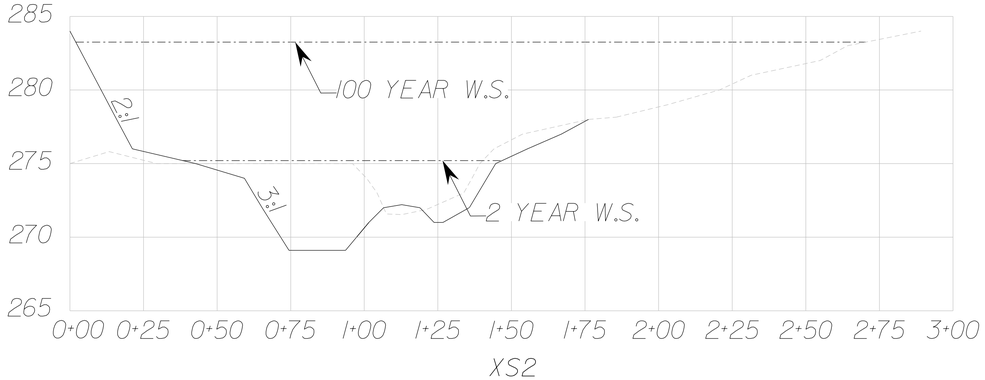
STREAM RELOCATION

PROPOSED STREAM CROSS SECTIONS (XS 1-5)

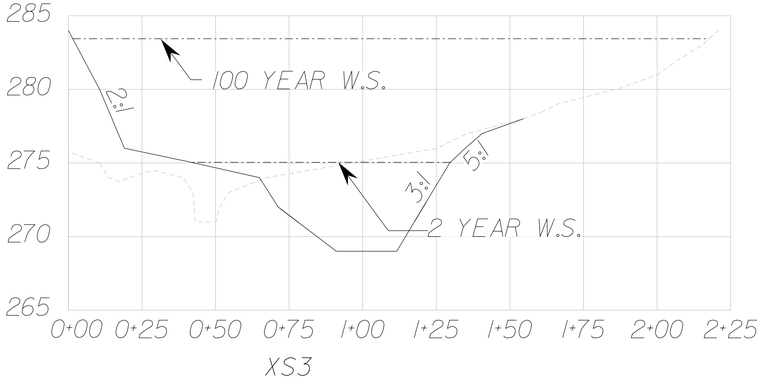
VERTICAL 1"=5'
HORIZONTAL 1"=25'



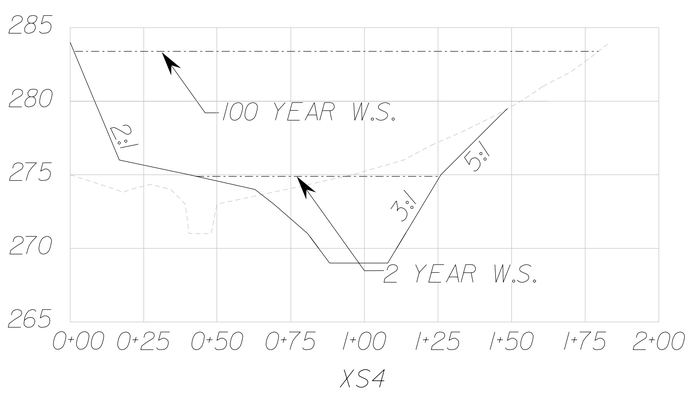
XS1



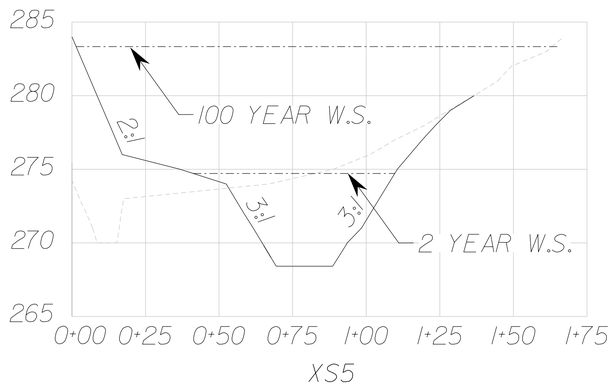
XS2



XS3



XS4



XS5

LEGEND
EXISTING GRADE
PROPOSED GRADE

NOVA DISTRICT

12/16/2022

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2P(04) AREA 1

APPROVED FOR CONSTRUCTION

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SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

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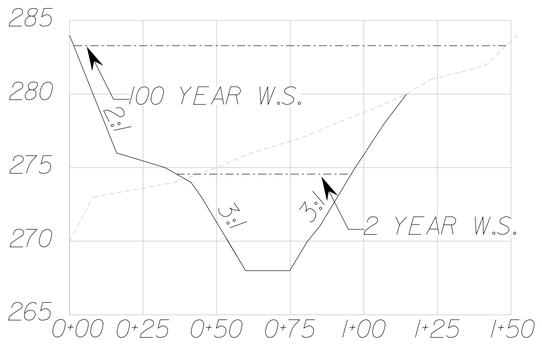
REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2P(05) AREA 1

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

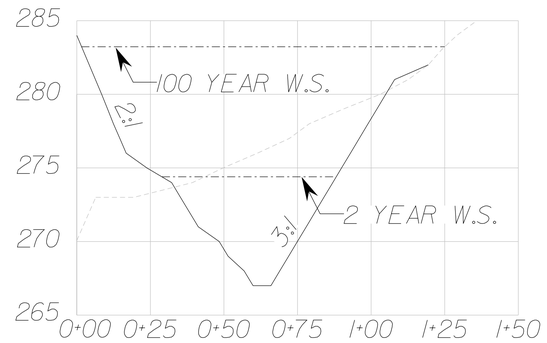
STREAM RELOCATION

PROPOSED STREAM CROSS SECTIONS (XS 6-10)

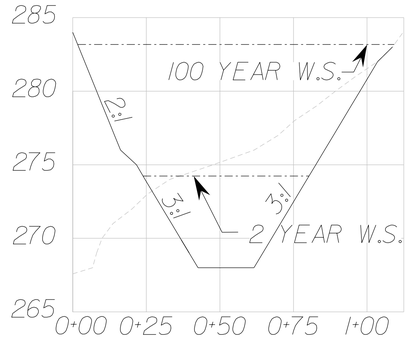
VERTICAL 1"=5'
HORIZONTAL 1"=25'



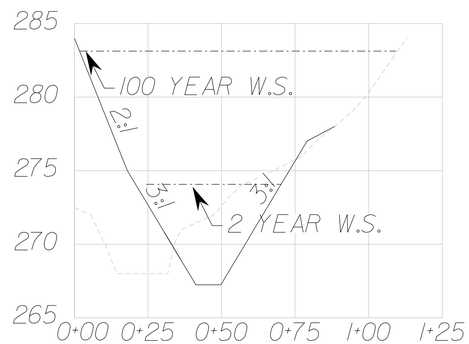
XS6



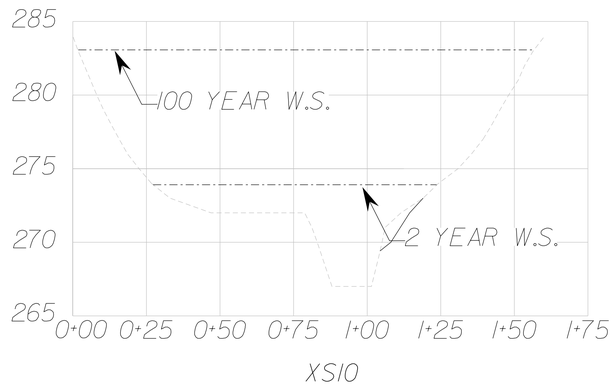
XS7



XS8



XS9



XS10

LEGEND
EXISTING GRADE
PROPOSED GRADE

NOVA DISTRICT

12/16/2022

VDOT PROJECT NO.	SHEET NO.
0495-029-419	2P(05) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

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SURVEYED BY, DATE RDA - Nicholas Kaugaulis LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

GORE DETAILS

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

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

℄ DTR_EB

DULLES TOLL ROAD EASTBOUND

DTR RAMP E4

℄ DTR_RMP_E4

15 16 17 18 19 20 21 22

+05.59 305.91' | +55.49 305.38' | +06.11 304.94' | +56.76 304.53' | +07.43 304.19' | +58.13' | +08.87 303.41' | +59.62 302.98'

11' | 33' | 12' | 24' | 9'

3.40% | 3.40% | 3.40% | 3.40% | 3.40% | 3.40% | 3.60% | 3.60%

304.79' | 304.24' | 304.29' | 304.20' | 303.84' | 303.55' | 303.42' | 303.01' | 303.08' | 302.69' | 302.23' | 301.81'

4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60% | 4.60%

303.65' | 303.00' | 302.46' | 302.06' | 301.64' | 301.61' | 301.06' | 300.73' | 300.18'

+25.68 303.14' | +75.00 302.55' | +25.00 301.90' | +75.00 301.36' | +25.00 300.96' | +75.00 300.54' | +25.00 299.96' | +75.00 299.08'

33' | 16' | 12' | 24' | 10'

5.21% | 6.61% | 4.71% | 6.70% | 3.82% | 12.06% | 3.81% | 15.65% | 3.81% | 19.46% | 4.59%

NOVA DISTRICT

12/16/2022

SCALE 0 25' 50'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	2R AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER_VDOT_-_Rimpal_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_Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

GORE DETAILS

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

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
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Fairfax, Virginia
(ROADWAY ENGINEER)

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(1) AREA 1

APPROVED FOR CONSTRUCTION

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Dewberry - Ron Jakominich PE.(703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS.(703) 635-3060, 12/2021

GORE DETAILS

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

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NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0495-029-419	2R(2) AREA 1

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DESIGN BY_RDA_-_Darell_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

GORE DETAILS

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REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	2R(3) AREA 1

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

℄ DTR_RAMP_EI

℄ DTR_RAMP_E3

DTR RAMP EI

DTR RAMP E3

+00.49 335.18
+89.79 335.08
+51.10 335.69
+02.23 336.20
335.95
335.06
335.08
335.39
+36.91 12' 336.55
336.31 12'
+89.58 337.08
336.84
336.60
+17.41 337.19
336.95
335.71
+54.41 333.28
332.44
331.60
+25.63 335.44
+50.00 333.85
+00.00 334.53
+50.00 335.24
+83.99 335.77
+39.29 333.70

NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0495-029-419	2R(3) AREA 1

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SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Design Legend

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

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')
- 30 — 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 St'd. MS-1 Req'd.
2. Denotes St'd. MS-1A Req'd.
3. Denotes St'd. MS-2 Req'd.
4. Denotes St'd. CG-6 Req'd.
5. Denotes St'd. Radial CG-6 Req'd.
6. Denotes St'd. CG-2 Req'd.
7. Denotes St'd. Radial CG-2 Req'd.
8. Denotes St'd. CG-3 Req'd.
9. Denotes St'd. Radial CG-3 Req'd.
10. Denotes St'd. CG-7 Req'd.
11. Denotes St'd. Radial CG-7 Req'd.
12. Denotes St'd. CG-12, Type A Req'd.
13. Denotes St'd. CG-12, Type B Req'd.
14. Denotes St'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 St'd. FE-CL Req'd.
20. Denotes St'd. HR-1, Type 2 Req'd.
21. Denotes St'd. HR-1, Type 3 Req'd.
22. Denotes Curb Warping Required
23. Denotes St'd. GR-MGS1 Req'd.
24. Denotes St'd. GR-MGS1A Req'd.
25. Denotes St'd. GR-MGS2 Req'd.
26. Denotes St'd. GR-MGS3 Req'd.
27. Denotes St'd. GR-MGS4 Req'd.
28. Denotes St'd. GR-FOA-2, Type I Req'd.
29. Denotes St'd. GR-FOA-2, Type II Req'd.

C _ _ _ _ Denotes Construction Limits In Cuts

F _ _ _ Denotes Construction Limits In Fills

Denotes St'd. GR-MGS3 Req'd.

Denotes Future Site Plan Design

—LOD— Denotes Limits of Disturbance

30. Denotes St'd. Impact Attenuator TL-2 Req'd.
31. Denotes St'd. Impact Attenuator TL-3 Req'd.
32. Denotes St'd. MB-7D, Conc. Median Barrier Req'd.
33. Denotes St'd. MB-7E, Conc. Median Barrier Req'd.
34. Denotes Mod. MB-7E, Conc. Median Barrier Req'd.
35. Denotes St'd. MB-7F, Conc. Median Barrier Req'd.
36. Not Used
37. Denotes St'd. MB-8A, Type I, Conc. Median Barrier Req'd.
38. Denotes St'd. MB-8A, Type III, Conc. Median Barrier Req'd.
39. Denotes St'd. MC-3B Req'd.
40. Denotes St'd. FE-WI Req'd.
41. Denotes St'd. MB-8A, Type II, Conc. Median Barrier Req'd.
42. Denotes St'd. GR-FOA-5
43. Denotes St'd. BPPS-1A Req'd.
44. Denotes St'd. BPPS-3A Req'd.
45. Denotes St'd. CG-12, Type RII Req'd.
46. Denotes St'd. CG-12, Type RI2 Req'd.
47. Denotes St'd. CG-12, Type MI Req'd.
48. Denotes Edge of Pavement
49. Denotes Mod. MB-8A, Conc. Median Barrier Req'd.
50. Denotes St'd. BPB-4 Parapet with Moment Slab Req'd.
51. Denotes Removal of Existing RW & L/A Fence
52. Denotes St'd. GR-FOA-1, Type I Req'd.
53. Denotes St'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 St'd. GR-FOA-4, Type II Req'd.
60. Denotes St'd. MB-3 Req'd.
61. Denotes St'd. GR-II Req'd.
62. Denotes St'd. MB-12B, Conc. Median Barrier Req'd.
63. Denotes St'd. GR-10, Ty. II Req'd.
64. Denotes St'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 St'd. PG-2A Req'd.
11. Denotes St'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 St'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 St'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.
- 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.
- 4A — Denotes Prop. Dom. VZN. 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

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	2Z AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Roadway Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	3 AREA 1

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

UTILITY OWNERS

Fairfax Water Authority
Robert Cotton
8570 Executive Park Ave., Fairfax, VA.
703-289-6310

County of Faifax - Sewer
Asghar Parlroo
12000 Government Center Pkwy., Fairfax, VA.
703-324-5840

Dominion Virginia Power
Tyler Holt
701 E. Cary St., Richmond, VA.
571-203-5329

Cox Communications
Jeff Ascertio
703-480-7812

Verizon
Antonio Ashby
9401 Peabody St., Manassas, VA.
antonio.f.ashby@verizon.com

Crown Castle
1220 Augusta Dr., Suite 600
Houston, TX.
1-855-93-FIBER

MCI
Gene Muller
2400 N. Glenville Dr., Richardson, TX.
703-801-9532

Lumen
Joe Bolton
Tulsa, OK.
571-328-1116

Comcast
Mark Slebrch
4391 Dale Blvd., Woodbridge, VA.
540-553-1415

AOC Connect
14030 Thunderbold Place, Chantilly, VA.
703-345-5757

Zayo Communications
Brad Leatherman
13861 Sunrise Valley Dr., Suite 450
Herndon, VA.
703-928-0649

SummitIG
Steve Ragland
22375 Broadrick Dr., Suite 165
Dulles, VA.
804-317-4483

Washington Gas
Mark Tajnai
6800 Versar Center, Suite 430
703-750-5667

Lumen Government
Noah Dobbins
703-464-7529

NOVA DISTRICT

BEGIN PROJECT 0495-029-419 PE101
BEGIN CONSTRUCTION
495 EXPRESS LANES NORTHBOUND
℄ 495XL_NB STA. 533+07.00

BEGIN ℄ 495XL_NB POT 529+57.02

BEGIN ℄ 495XL_SB POT 134+08.13

BEGIN ℄ 495GP_NB POT 1033+00.00

℄ 495XL_SB

℄ 495XL_NB

℄ 495GP_NB

495 EXPRESS LANES SOUTHBOUND

495 EXPRESS LANES NORTHBOUND

I-495 GP LANES NORTHBOUND

MATCHLINE 495XL_SB STA 142+00.000 SEE SHEET 4

MATCHLINE 495XL_NB 495GP_NB STA 542+00.000 STA 1045+50.00 SEE SHEET 4

Exist. FAA R/W
Exist. VDOT R/W & L/A Line
Per VDOT Highway Plan 0413-029-007, RW-1

Exist. VDOT R/W & L/A Line
Per VDOT Highway Plan 0413-029-007, RW-1

Exist. FAA R/W

Exist. FAA R/W
Exist. R/W Line

Exist. R/W Line

DOM "VH01 (Abandi)

EXISTING LINE

*H19 010 *H19 011 *H20 020 *04-10A-25 *H11 012 Shutoff *H11 013 *H11 011 *H12 001 *H12 002 *H12 042 *H12 003 *H12 004 TC Box

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

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	1W(3), 1W(3)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Drainage Plan Sheets	3DRN
Alignment Data Sheet	3(1)
Profile I-495XL NB	3A
Profile I-495GP NB	3B

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	3 AREA 1

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER_VDOT_:_Rimpal_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_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE_Accumark_:_Michael_Taylor_LS_(703)_635-3060_12/2021

Drainage Plan

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	STATE SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	3DRN AREA 1

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

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

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

UTILITY OWNERS

Fairfax Water Authority
Robert Cotton
8570 Executive Park Ave., Fairfax, VA.
703-289-6310

County of Faifax - Sewer
Asghar Parlroo
12000 Government Center Pkwy., Fairfax, VA.
703-324-5840

Dominion Virginia Power
Tyler Holt
701 E. Cary St., Richmond, VA.
571-203-5329

Cox Communications
Jeff Ascertio
703-480-7812

Verizon
Antonio Ashby
9401 Peabody St., Manassas, VA.
antonio.f.ashby@verizon.com

Crown Castle
1220 Augusta Dr., Suite 600
Houston, TX.
1-855-93-FIBER

MCI
Gene Muller
2400 N. Glenville Dr., Richardson, TX.
703-801-9532

Lumen
Joe Bolton
Tulsa, OK.
571-328-1116

Comcast
Mark Slebrch
4391 Dale Blvd., Woodbridge, VA.
540-553-1415

AOC Connect
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703-345-5757

Zayo Communications
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703-928-0649

SummitIG
Steve Ragland
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Dulles, VA.
804-317-4483

Washington Gas
Mark Tajnai
6800 Versar Center, Suite 430
703-750-5667

Lumen Government
Noah Dobbins
703-464-7529

NOVA DISTRICT

BEGIN PROJECT 0495-029-419 PE101
BEGIN CONSTRUCTION
495 EXPRESS LANES NORTHBOUND
℄ 495XL_NB STA. 533+07.00

BEGIN ℄ 495XL_NB POT 529+57.02

BEGIN ℄ 495XL_SB POT 134+08.13

BEGIN ℄ 495GP_NB POT 1033+00.00

495 EXPRESS LANES SOUTHBOUND

495 EXPRESS LANES NORTHBOUND

I-495 GP LANES NORTHBOUND

℄ 495XL_SB

℄ 495XL_NB

℄ 495GP_NB

MATCHLINE SB STA 142+00.00 SEE SHEET 4DRN

MATCHLINE NB STA 542+00.00 495GP NB STA 1045+50.00 SEE SHEET 4DRN

Exist. FAA R/W
Exist. VDOT R/W & L/A Line
Per VDOT Highway Plan 0413-029-007, RW-1

Exist. VDOT R/W & L/A Line
Per VDOT Highway Plan 0413-029-007, RW-1

Exist. FAA R/W

Exist. FAA R/W
Exist. R/W Line

Exist. R/W Line

DOM *VH01 (Aband)

Exist. FAA R/W Line

*H19 010
*H19 034
*H11 012 Shutoff
*H11 013
*H11 011
*H20 020
*04-10A-25
*H12 042
*H12 003
*H12 004
*H12 001
*H12 002
TC Box
FO
REB
inlet

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	IG, IG(1)
Erosion Controls Ph1 & Ph2	IV(3), IW(3)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Roadway Plan Sheet	3
Alignment Data Sheet	3(1)
Profile I-495XL NB	3A
Profile I-495GP NB	3B

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	3DRN AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Alignment Data

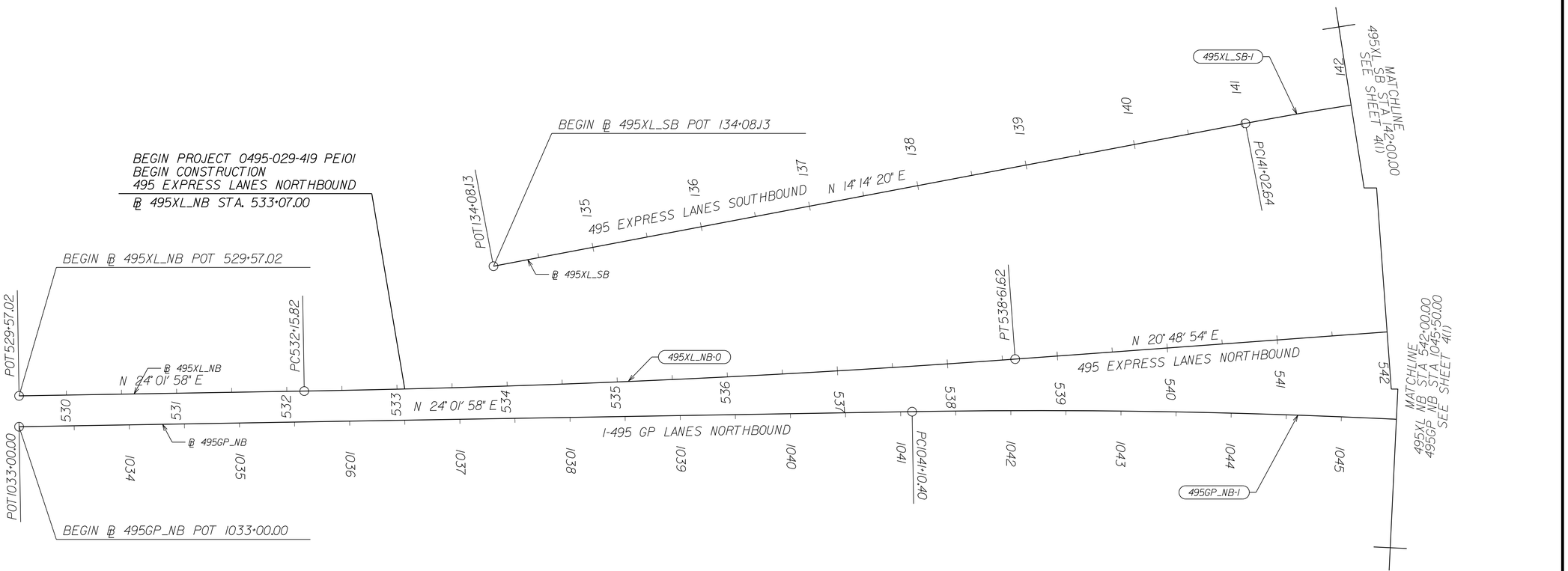
Curve 495XL_SB-1
PI = 144+14.69
DELTA = 11° 49' 46.38" (RT)
D = 1° 54' 08"
T = 312.04'
L = 621.87'
R = 3,012.00'
PC = 141+02.64
PT = 147+24.51
FOR INFORMATION ONLY

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	3(1) AREA 1

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



Curve 495XL_NB_0
PI = 535+38.80
DELTA = 3° 13' 03.13" (LT)
D = 0° 29' 54"
T = 322.99'
L = 645.80'
R = 11,500.00'
PC = 532+15.82
PT = 538+61.62
FOR INFORMATION ONLY

Curve 495GP_NB-1
PI = 1043+39.89
DELTA = 3° 53' 44.16" (RT)
D = 0° 50' 57"
T = 229.49'
L = 458.80'
R = 6,748.00'
PC = 1041+10.40
PT = 1045+69.20
FOR INFORMATION ONLY

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

Roadway Plan Sheet 3

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	3(1) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

Cell Revised 12/11/12

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LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darell 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

495 Express Lanes Northbound

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	3A AREA 1

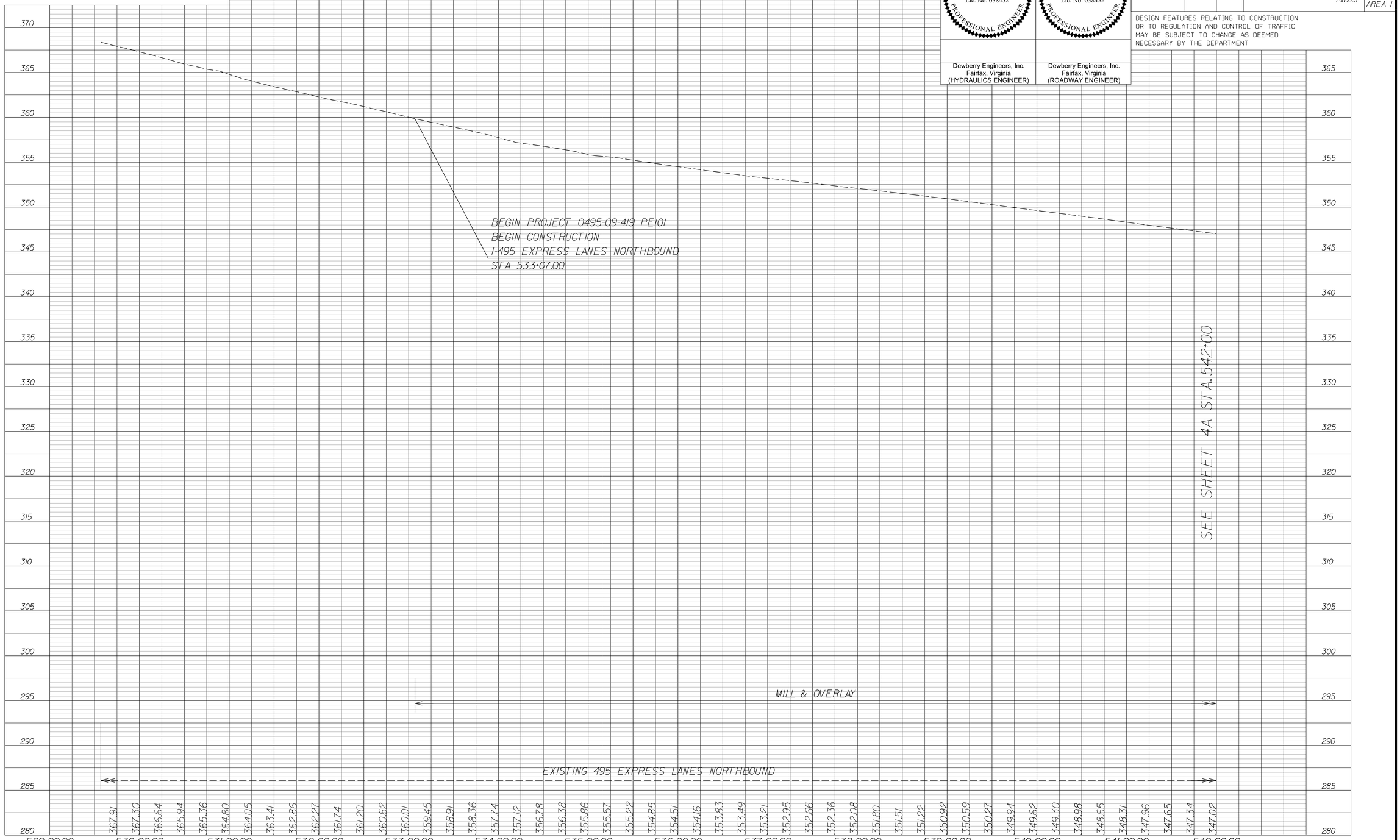
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE HORIZ: 1"=50' (0 20' 50') VERT: 1"=5' (0 1" 2") | VDOT PROJECT NO. 0495-029-419 | SHEET NO. 3A AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

Cell Revised 12/11/12

12/16/2022
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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
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DESIGN BY _RDA_-_Darell 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

495 GP Lanes Northbound

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

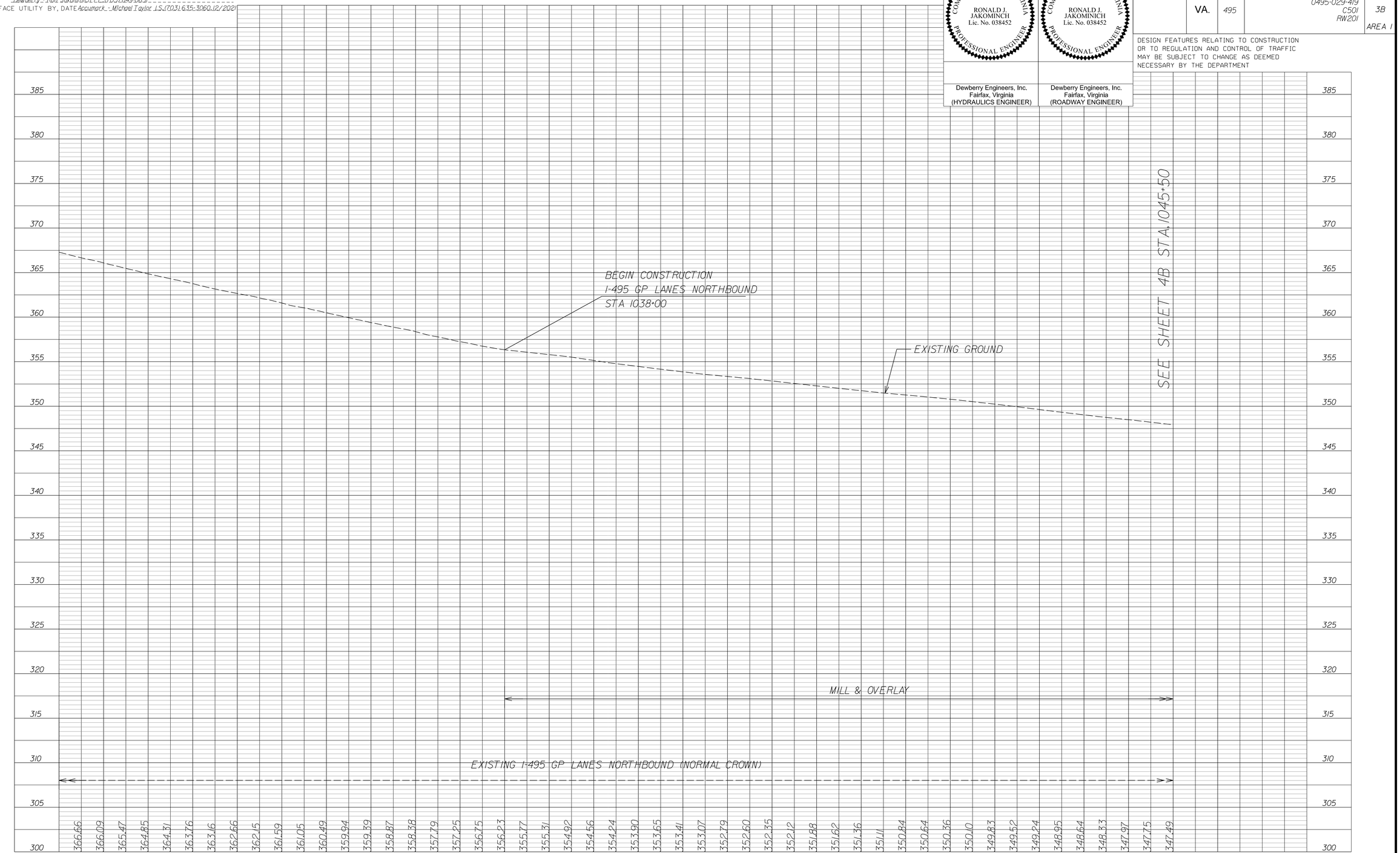
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	3B AREA 1

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



SCALE — HORIZ: 1"=50' (0, 20', 50') — VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO.	SHEET NO.
0495-029-419	3B AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Roadway Plan

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

RONALD J. JAKOMINICH Lic. No. 038452 PROFESSIONAL ENGINEER — COMMONWEALTH OF VIRGINIA

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

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201 B631	4 AREA 1

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

MATCHLINE DTR_RMP_D2 DTR_RMP_G3 DTR_RMP_E1 DTR_RMP_E4 STA 21+00.00 STA 36+00.00 STA 20+00.00 STA 39+00.00 SEE SHEET 4

℄ DTR_RMP_E4

℄ 495XL_SB

MATCHLINE 495XL_SB STA 142+00.00 SEE SHEET 3

Exist. FAA R/W
Exist. VDOT R/W & L/A Line Per VDOT Highway Plan 0413-029-007, RW-1

495 EXPRESS LANES SOUTHBOUND

℄ DTR_RMP_D2

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET 5

DTR. RAMP. G3
DTR. RAMP. D2
DTR. RAMP. E1

CONTRACTOR TO ADJUST EXIST. RIPRAP CHANNEL PROTECTION TO ENSURE POSITIVE FLOW

Sensor Pole

CONTRACTOR TO REMOVE CONCRETE SPILLAGE FROM PIPE INTERIOR

495 EXPRESS LANES NORTHBOUND

℄ 495XL_NB

(Empty)

RETAINING WALL RW30A

END BRIDGE B-631

℄ 495GP_NB STA.1054+17.07

MATCHLINE 495XL_NB STA 153+50.00 495GP_NB STA 1057+00.00 SEE SHEET 5

Remove and Replace Concrete Cap between Barriers

MATCHLINE 495XL_NB STA 542+00.00 495GP_NB STA 1045+50.00 SEE SHEET 3

I-495 GP LANES NORTHBOUND

Exist. VDOT R/W & L/A Line Per VDOT Highway Plan 0413-029-007, RW-1

Exist. FAA R/W

RETAINING WALL RW29

RETAINING WALL RW30

℄ 495GP_NB

BEGIN CONSTRUCTION I-495 GP LANES NORTHBOUND
℄ 495GP_NB STA. 1050+05.95

BEGIN BRIDGE B-631
℄ 495GP_NB STA.1053+14.40

℄ DTR_RMP_G3

℄ DTR_RMP_E1

DTR. RAMP. G3
DTR. RAMP. E1

MATCHLINE DTR_RMP_G3 STA 44+50.00 DTR_RMP_E1 STA 28+50.00 SEE SHEET 5

Exist. FAA R/W

BEGIN NOISE BARRIER NB-12A STA.27+93.04

NOISE BARRIER NB-12A

BEG ℄

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

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

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4 AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

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DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Drainage Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

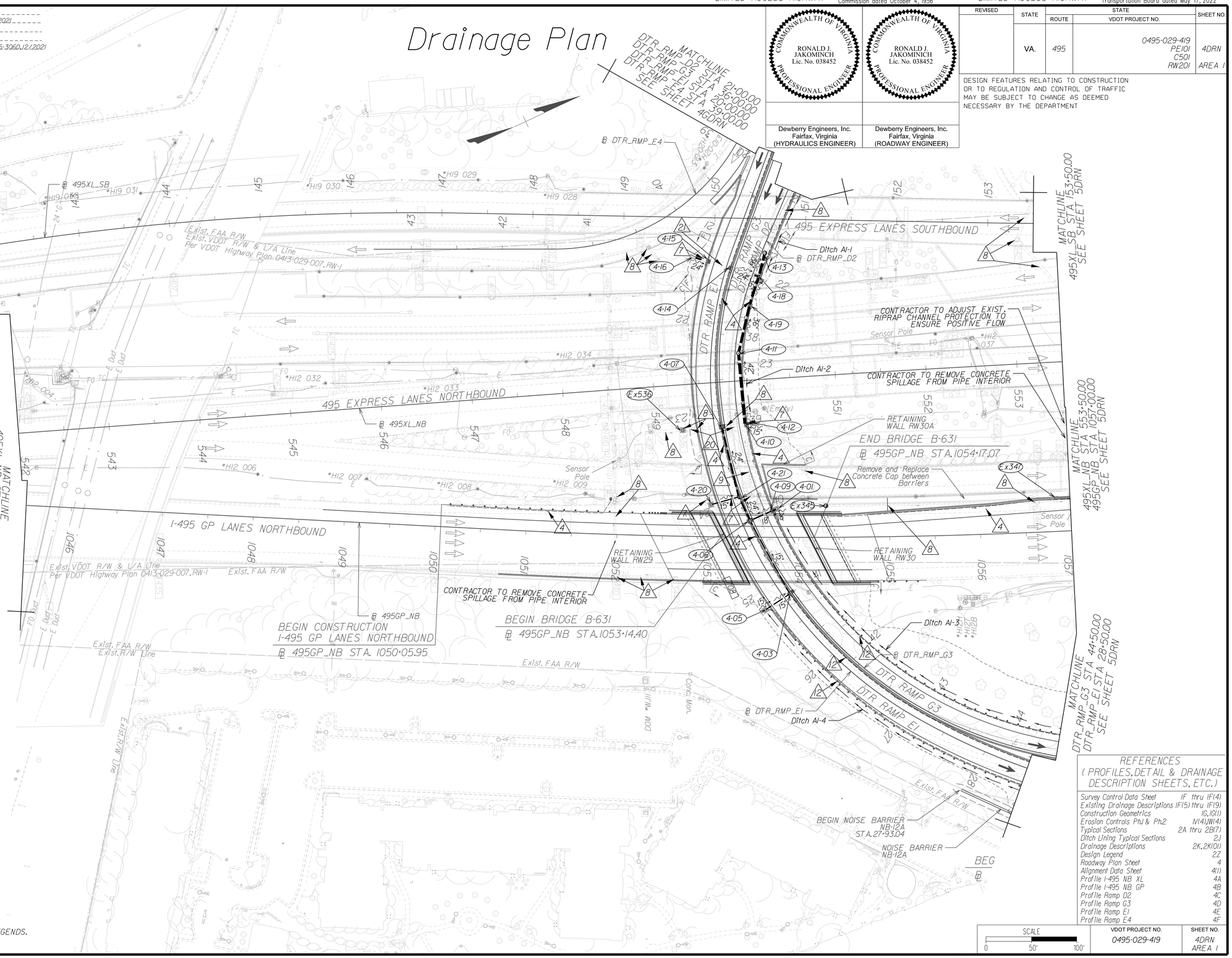
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	4DRN AREA 1

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.)	
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Existing Drainage Descriptions	IF(5) thru IF(9)
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Erosion Controls Ph1 & Ph2	IV(4), IW(4)
Typical Sections	2A thru 2B(7)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Roadway Plan Sheet	4
Alignment Data Sheet	4(1)
Profile I-495 NB XL	4A
Profile I-495 NB GP	4B
Profile Ramp D2	4C
Profile Ramp G3	4D
Profile Ramp E1	4E
Profile Ramp E4	4F

SCALE 0 50' 100'	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	4DRN AREA 1

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_ _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_ _____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_ _____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Alignment Data

Curve DTR_RMP_E1-1
PI = 22+53.60
DELTA = 38° 22' 38.46" (LT)
D = 14° 19' 26"
T = 139.21'
L = 267.92'
R = 400.00'
PC = 21+14.39
PCC = 23+82.31
DESIGN SPEED = 30 MPH
e = 6.80%
Lr = 146'

Curve DTR_RMP_E1-2
PI = 25+58.23
DELTA = 42° 16' 32.79" (LT)
D = 12° 35' 33"
T = 175.92'
L = 335.72'
R = 455.00'
PCC = 23+82.31
PCC = 27+18.04
DESIGN SPEED = 30 MPH
e = 6.40%
Lr = 137'

Curve DTR_RMP_E1-3
PI = 31+68.49
DELTA = 61° 58' 43.51" (LT)
D = 7° 38' 22"
T = 450.46'
L = 811.30'
R = 750.00'
PCC = 27+18.04
PT = 35+29.34
DESIGN SPEED = 30 MPH
e = 5.00%
Lr = 107'

Curve DTR_RMP_E4-3
PI = 40+25.32
DELTA = 67° 18' 57.59" (RT)
D = 24° 54' 40"
T = 153.15'
L = 270.22'
R = 230.00'
PC = 38+72.17
PT = 41+42.39
FOR INFORMATION ONLY

DTR_RMP_E1 MATCHLINE DTR_RMP_D2 STA 21+00.00
DTR_RMP_G3 STA 36+00.00
DTR_RMP_E1 STA 29+00.00
SEE SHEET 4A(1)

MATCHLINE 495XL_SB STA 142+00.00 SEE SHEET 3(1)

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET 5(1)

MATCHLINE 495XL_NB STA 542+00.00 495GP_NB STA 1045+50.00 SEE SHEET 3(1)

MATCHLINE 495XL_NB STA 553+50.00 495GP_NB STA 1057+00.00 SEE SHEET 5(1)

MATCHLINE DTR_RMP_G3 STA 44+50.00 DTR_RMP_E1 STA 28+50.00 SEE SHEET 5(1)

@ 495XL_SB
495XL_SB-1
DTR_RMP_E4-3
@ DTR_RMP_E4
495XL_SB-2
@ DTR_RMP_D2
DTR_RMP_G3-3
DTR_RMP_D2-3
495XL_NB-1
DTR_RMP_E1-1
@ 495XL_NB
@ 495GP_NB
495GP_NB-1
495GP_NB-2
DTR_RMP_G3
DTR_RMP_G3-4
@ DTR_RMP_E1
DTR_RMP_E1-2
DTR_RMP_E1-3

POT 43+41.39
PT 147+24.51
PT 41+42.39
PC 52+77.11
PC 21+14.39
PCC 37+17.67
PCC 21+93.43
PCC 38+59.51
PT 23+49.57
PC 548+54.90
PC 1050+79.12
PCC 23+82.31
PT 1045+69.20

S 24° 55' 50" W
N 26° 04' 07" E
N 20° 48' 54" E
N 27° 55' 42" E

END BRIDGE B-631
℄ 495GP_NB STA.1054+17.07

BEGIN CONSTRUCTION
I-495 GP LANES NORTHBOUND
℄ 495GP_NB STA. 1050+05.95

BEGIN BRIDGE B-631
℄ 495GP_NB STA.1053+14.40

BEG ℄

Curve 495XL_NB-1
PI = 551+19.03
DELTA = 1° 19' 14.33" (RT)
D = 0° 15' 00"
T = 264.14'
L = 528.25'
R = 22,918.00'
PC = 548+54.90
PT = 553+83.15
FOR INFORMATION ONLY

Curve 495GP_NB-1
PI = 1043+39.89
DELTA = 3° 53' 44.16" (RT)
D = 0° 50' 57"
T = 229.49'
L = 458.80'
R = 6,748.00'
PC = 1041+10.40
PT = 1045+69.20
FOR INFORMATION ONLY

Curve 495GP_NB-2
PI = 1053+94.41
DELTA = 5° 47' 32.96" (LT)
D = 0° 55' 10"
T = 315.29'
L = 630.04'
R = 6,232.00'
PC = 1050+79.12
PT = 1057+09.17
DESIGN SPEED = 60 MPH
e = NC
Lr = N/A

Curve DTR_RMP_G3-3
PI = 37+89.62
DELTA = 23° 45' 50.59" (LT)
D = 16° 45' 11"
T = 71.96'
L = 141.85'
R = 342.00'
PCC = 37+17.67
PCC = 38+59.51
DESIGN SPEED = 30 MPH
e = 7.30%
Lr = 156'

Curve DTR_RMP_G3-4
PI = 42+99.12
DELTA = 89° 33' 31.75" (LT)
D = 12° 56' 01"
T = 439.60'
L = 692.45'
R = 443.00'
PCC = 38+59.51
PCC = 45+51.97
DESIGN SPEED = 30 MPH
e = 6.50%
Lr = 139'

Curve DTR_RMP_D2-3
PI = 22+73.31
DELTA = 29° 49' 13.73" (LT)
D = 19° 05' 55"
T = 79.88'
L = 156.14'
R = 300.00'
PCC = 21+93.43
PT = 23+49.57
DESIGN SPEED = 30 MPH
e = 7.60%
Lr = 163'

Curve 495XL_SB-1
PI = 144+14.69
DELTA = 11° 49' 46.38" (RT)
D = 1° 54' 08"
T = 312.04'
L = 621.87'
R = 3,012.00'
PC = 141+02.64
PT = 147+24.51
FOR INFORMATION ONLY

Curve 495XL_SB-2
PI = 156+18.40
DELTA = 5° 21' 12.20" (LT)
D = 0° 47' 06"
T = 341.28'
L = 682.07'
R = 7,300.00'
PC = 152+77.12
PT = 159+59.19
FOR INFORMATION ONLY

REVISED	STATE	ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4(1) AREA 1

RONALD J. JAKOMINCH Lic. No. 038452 PROFESSIONAL ENGINEER COMMONWEALTH OF VIRGINIA

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

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

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.)

Roadway Plan Sheet 4

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4(1) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER: VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE: RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY: RDA - Darell 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

495 Express Lanes Northbound

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201 B631	4A AREA 1

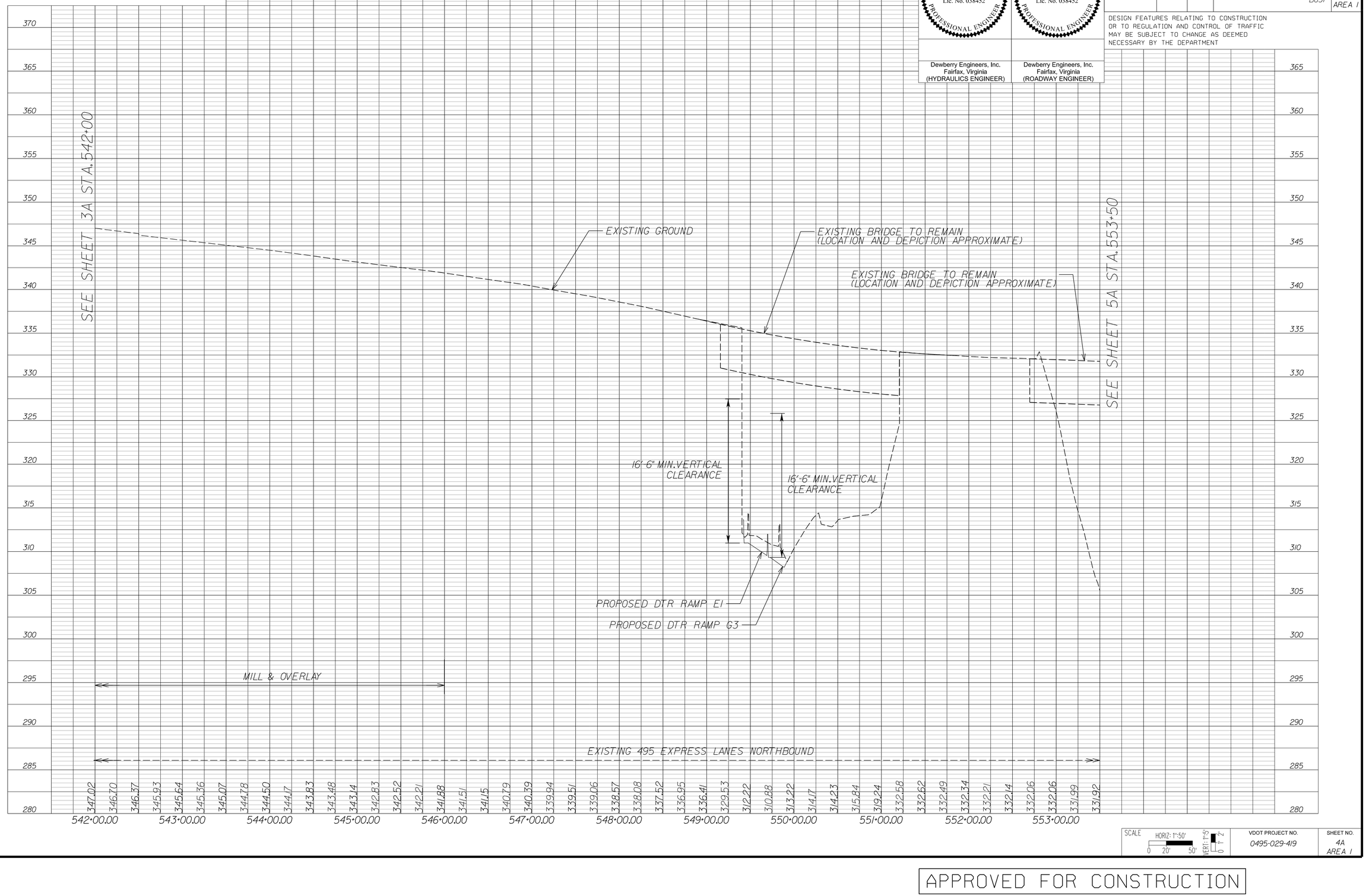
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE HORIZ: 1"=50' (0 20' 50') VERT: 1"=5' (0 1 2')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4A AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal 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 Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor, LS_(703) 635-3060_12/2021

495 GP Lanes Northbound

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

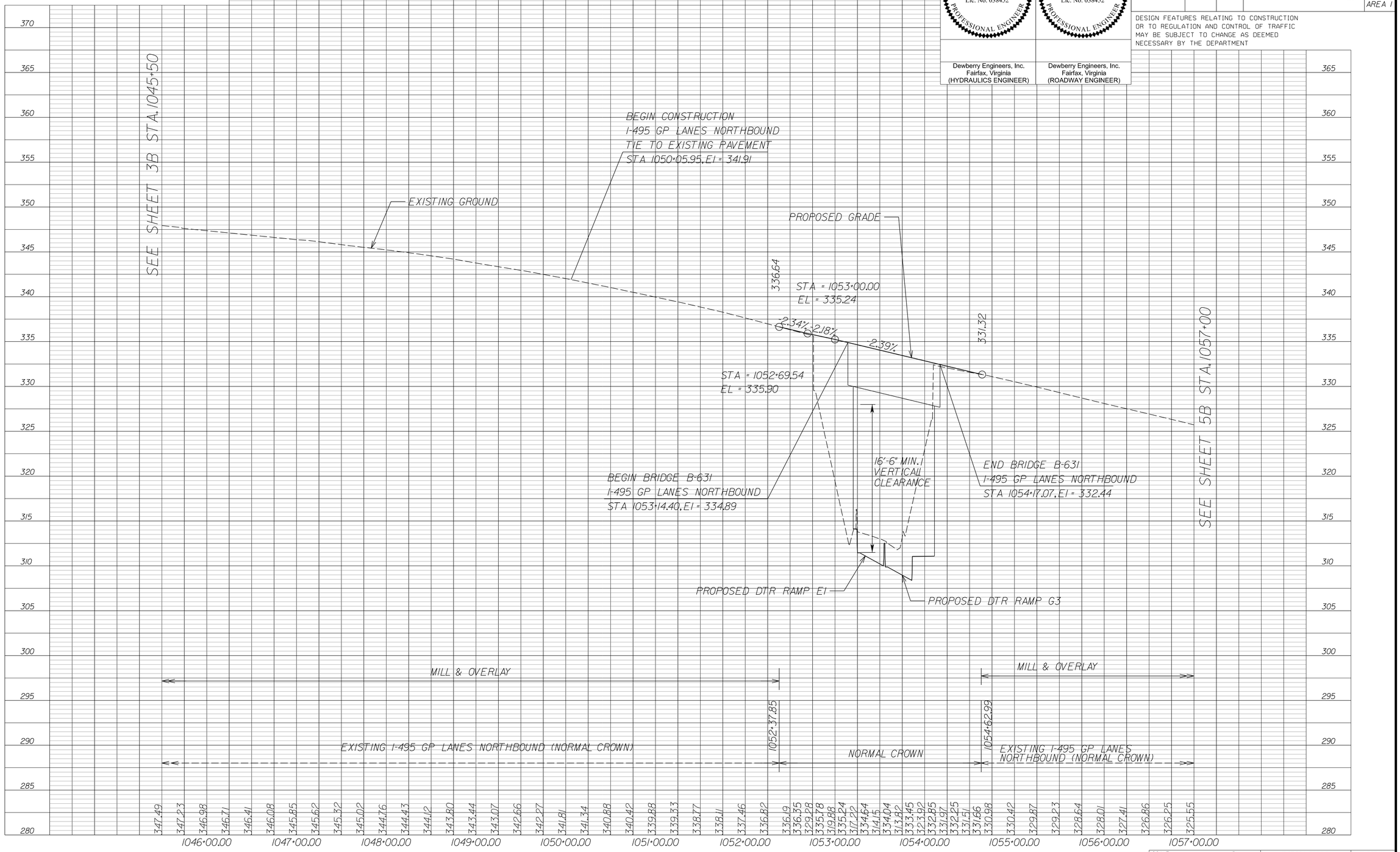
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4B AREA 1

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



SCALE HORIZ: 1"=50' (0 20' 50') VERT: 1"=5' (0 1 2)

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4B AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022
2:07:01 PM
35x23 (in)
default_RDAJbl
pw:\\rinkerdesign-pw.bentley.com:rinkerdesign-pw-01\Documents\Projects\Fredericksburg\N9073\07 Project Standards\Print Drivers\default_RDAJbl
c:\bms\rinkerdesign-pw-01\david chakansky\dms01687\VDOTLD Local PDF.pltcfg
50.0000 ft / in.
1495NEXT_AI_RDW_04C.dgn
Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

DTR Ramp D2

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

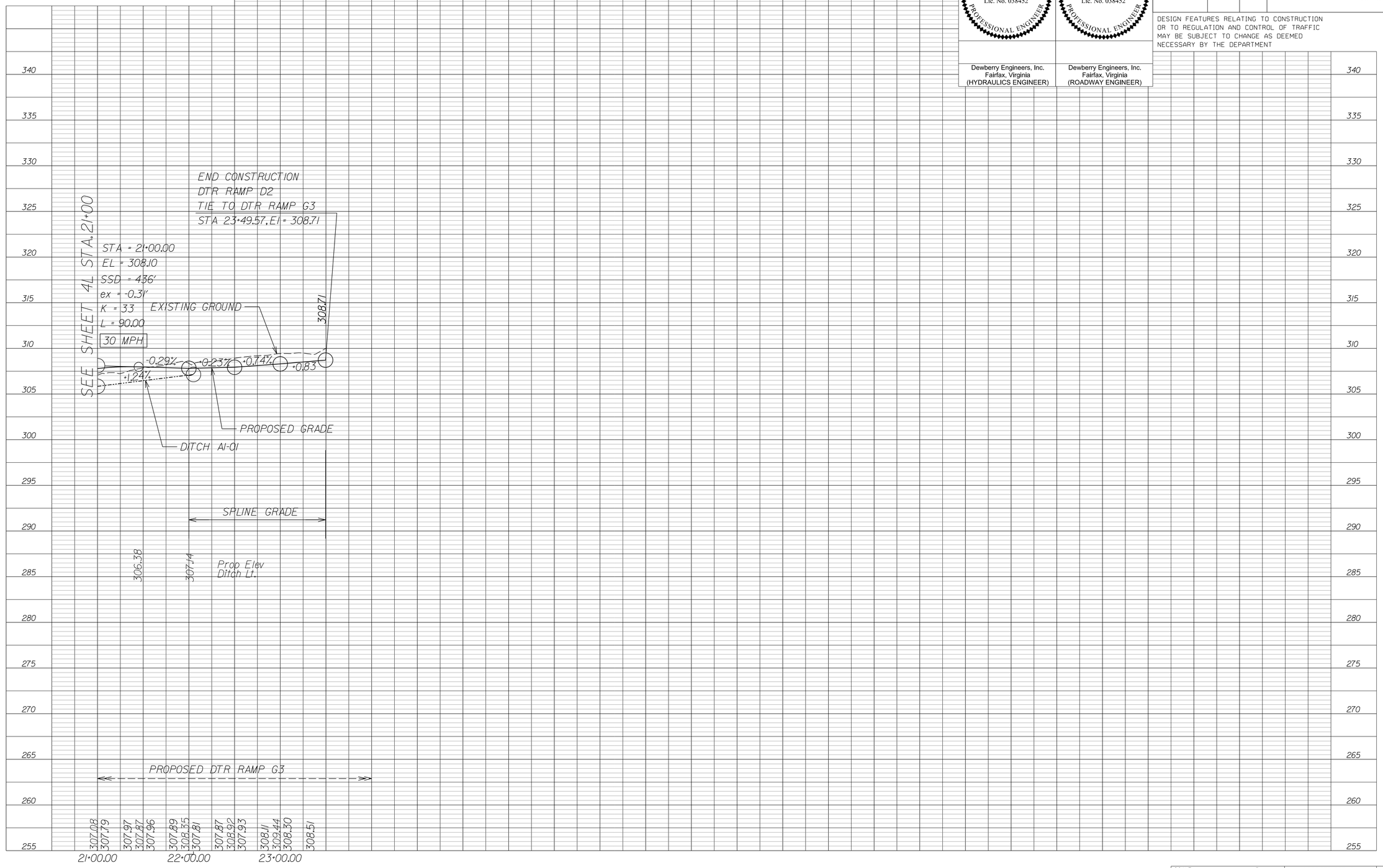
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4C AREA 1

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' (0, 20', 50') VERT: 1"=5' (0, 5')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4C AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER: VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE: RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY: RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomolich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE: Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

DTR Ramp G3

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

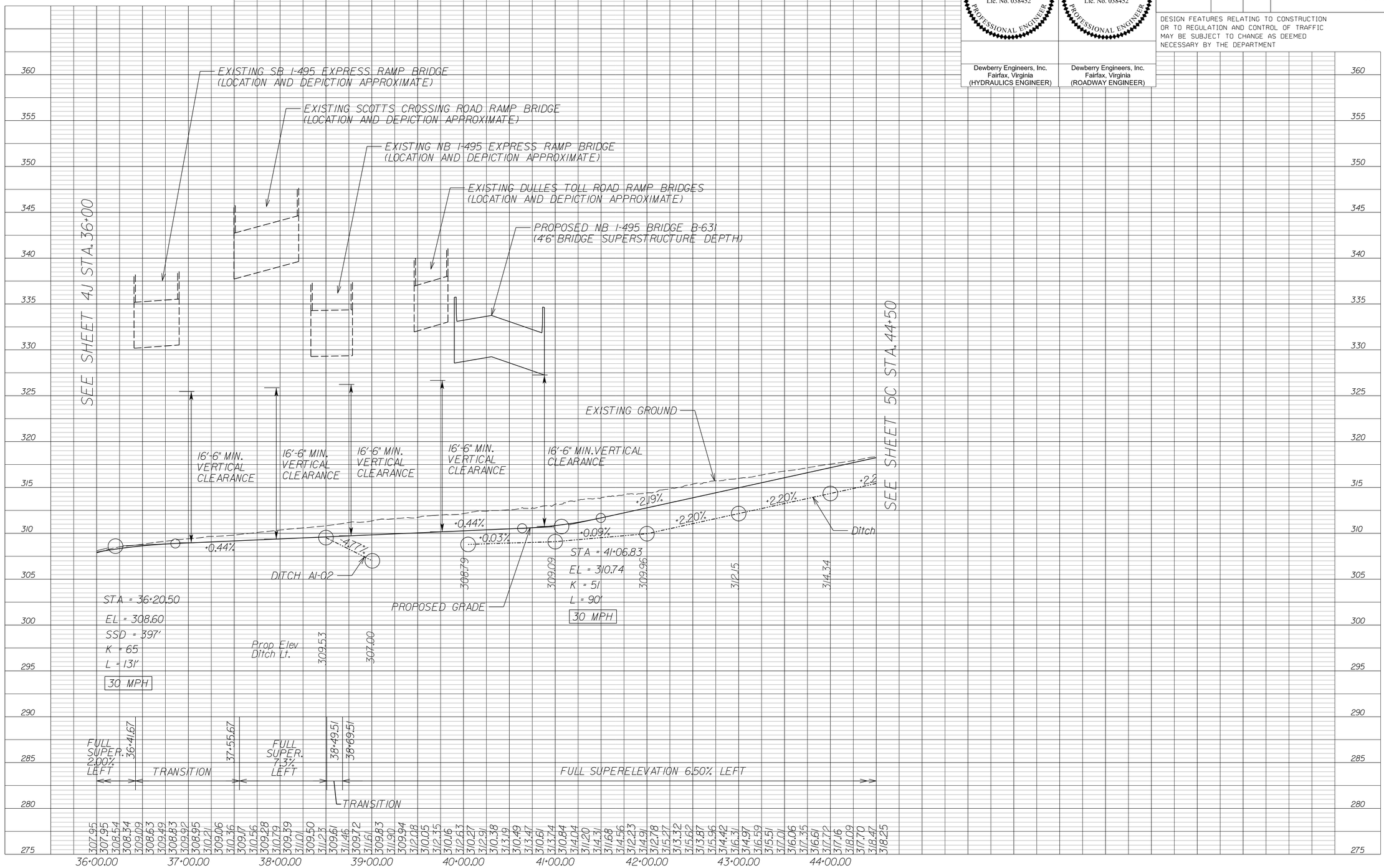
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4D AREA 1

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' (0, 20', 50'); VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4D AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

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SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

DTR Ramp E1

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4E AREA 1

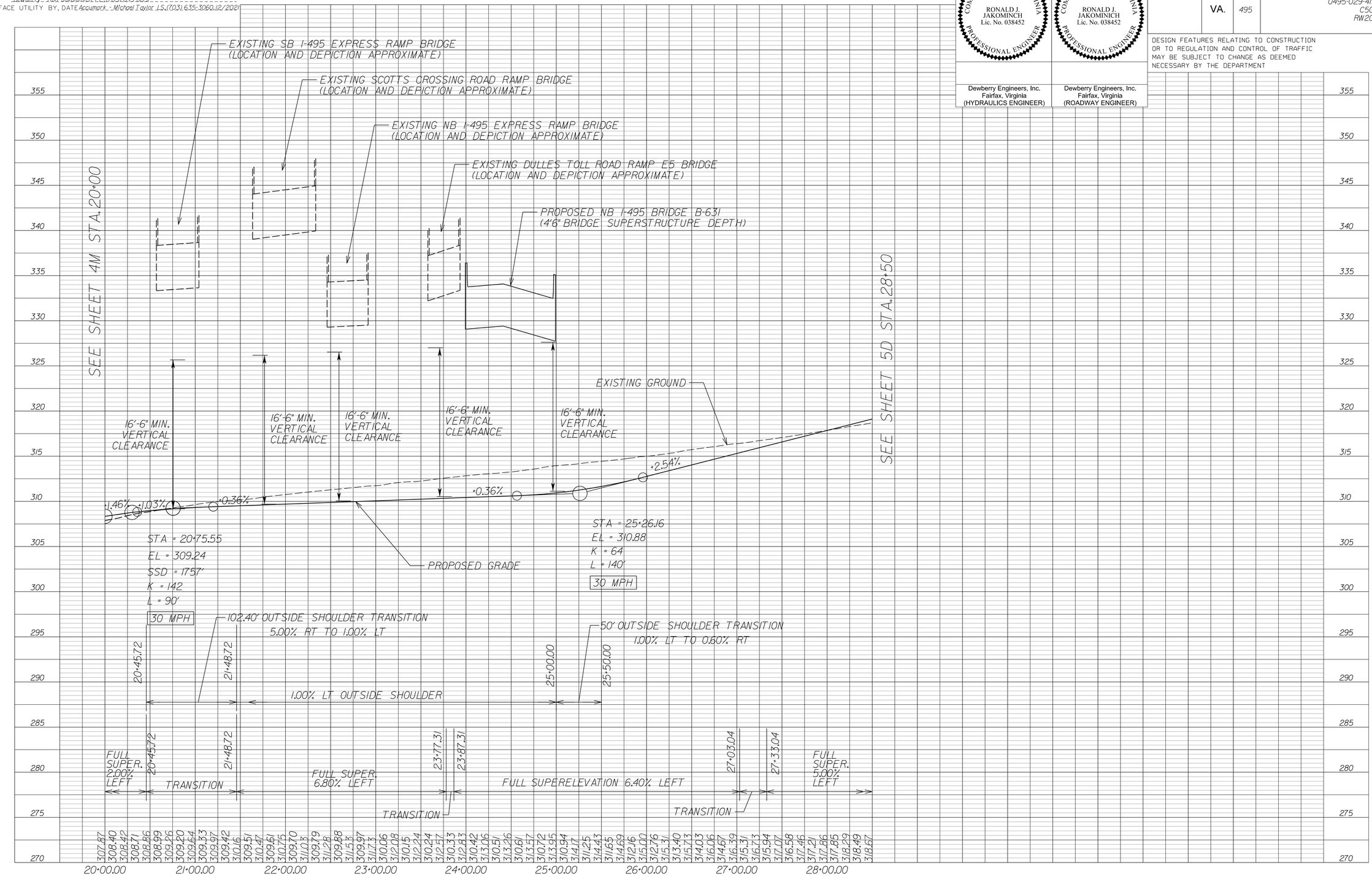
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE HORIZ: 1"=50' (0 20' 50') VERT: 1"=5' (0 5' 10')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4E AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

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PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darell 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

DTR Ramp E4

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

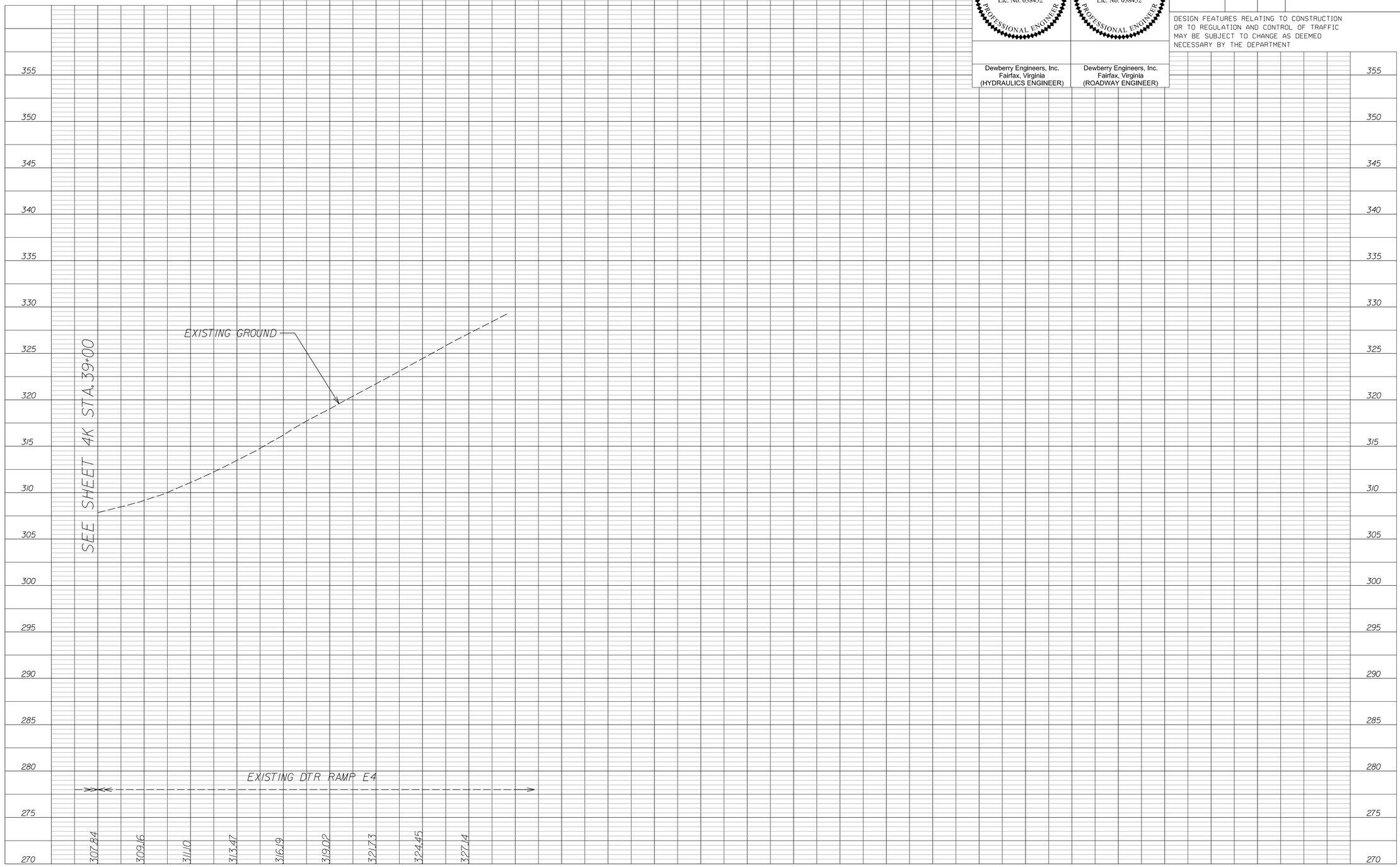
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4F AREA 1

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' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4F AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(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
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4G AREA 1

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

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

I-495 GP LANES SOUTHBOUND

DTR EASTBOUND

℄ DTR_EB

END CONSTRUCTION
DULLES TOLL ROAD EASTBOUND
℄ DTR_EB STA. 36+50.00

MATCHLINE
DTR_EB STA 32+50.00
DTR_RMP_G3 STA 25+00.00
DTR_RMP_E4 STA 28+00.00
SEE SHEET 4N

MATCHLINE
SEE SHEET 5

MATCHLINE
DTR_RMP_D2 STA 21+00.00
DTR_RMP_G3 STA 36+00.00
DTR_RMP_E1 STA 20+00.00
DTR_RMP_E4 STA 39+00.00
SEE SHEET 4

℄ DTR_RMP_D2
℄ DTR_RMP_G3
DTR RAMP D2
DTR RAMP G3
DTR RAMP E4
DTR RAMP E1
℄ DTR_RMP_E4
℄ DTR_RMP_E1

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP D2
℄ DTR_RMP_D2 STA. 16+09.48

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP G3
℄ DTR_RMP_G3 PC 31+56.18

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP E1
℄ DTR_RMP_E1 POT STA. 15+79.23±
℄ DTR_RMP_E4 STA. 34+73.61, 16.00' LT.

Exist. FAA R/W & L/A Line
Ex. VDOT R/W & L/A Line

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(4G), 1W(4G)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Stormwater Management Details	2M thru 2M(3)
Design Legend	2Z
Drainage Plan Sheets	4GDRN
Alignment Data Sheet	4G(1)
Profile DTR EB	4H
Profile Ramp G3	4J
Profile Ramp E4	4K
Profile Ramp D2	4L
Profile Ramp E1	4M

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4G AREA 1

NOVA DISTRICT

12/16/2022

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaull's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Drainage Plan

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER	COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)	Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4GDRN AREA 1

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

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

I-495 GP LANES SOUTHBOUND

DTR EASTBOUND

DTR RAMP D2

DTR RAMP G3

DTR RAMP E4

DTR RAMP E1

Channel AI-1

Channel AI-2

BMP-4 EXISTING FACILITY TO BE MODIFIED TO PROVIDE RETENTION BASIN III (TO BE MAINTAINED BY VDOT)

CONTRACTOR TO REMOVE CONCRETE SPILLAGE FROM PIPE INTERIOR

CONTRACTOR TO REMOVE CONCRETE SPILLAGE FROM PIPE INTERIOR. CONCRETE WITHIN STRUCTURE CAN REMAIN

END CONSTRUCTION
DULLES TOLL ROAD EASTBOUND
℄ DTR_EB STA. 36+50.00

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP D2
℄ DTR_RMP_D2 STA. 16+09.48

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP G3
℄ DTR_RMP_G3 PC 31+56.18

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP E1
℄ DTR_RMP_E1 POT STA.15+79.23±
℄ DTR_RMP_E4 STA. 34+73.61, 16.00' LT.

MATCHLINE
DTR_EB STA 32+50.00
DTR_RMP_G3 STA 25+00.00
DTR_RMP_E4 STA 28+00.00
SEE SHEET 4NDRN

MATCHLINE
DTR_RMP_D2 STA 21+00.00
DTR_RMP_G3 STA 36+00.00
DTR_RMP_E1 STA 20+00.00
DTR_RMP_E4 STA 39+00.00
SEE SHEET 4DRN

MATCHLINE SEE SHEET 5DRN

Existing FAA R/W & L/A Line
Ex. VDOT R/W & L/A Line

LIMITED ACCESS HIGHWAY

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(4G), W(4G)
Typical Sections	2A thru 2B(7)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K, 2K(01)
Stormwater Management Details	2M thru 2M(3)
Design Legend	2Z
Roadway Plan Sheet	4G
Alignment Data Sheet	4G(1)
Profile DTR EB	4H
Profile Ramp G3	4J
Profile Ramp E4	4K
Profile Ramp D2	4L
Profile Ramp E1	4M

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4GDRN AREA 1

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_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 _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

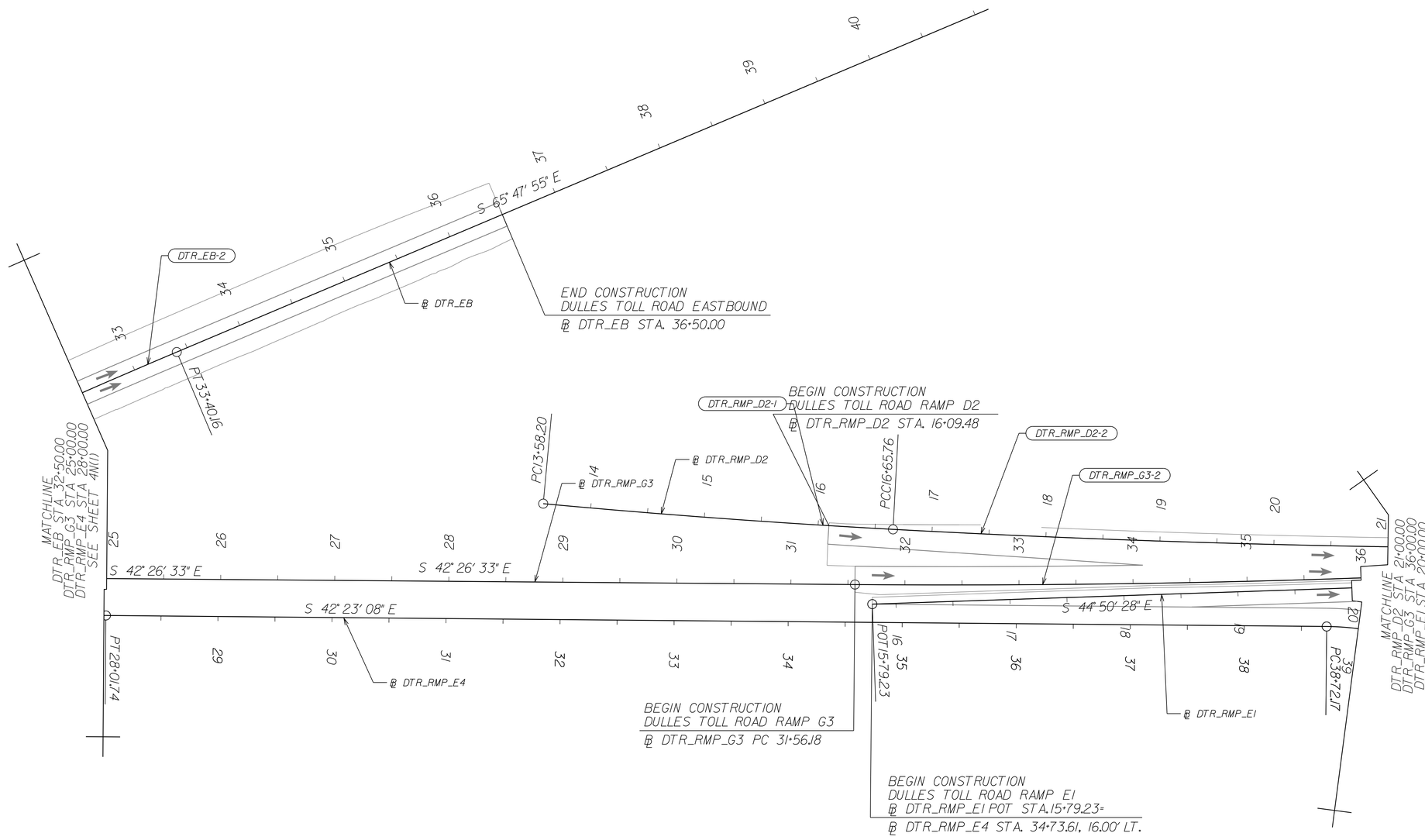
Alignment Data

Curve DTR_EB-2
PI = 29+31.36
DELTA = 7° 23' 14.51" (RT)
D = 0° 54' 08"
T = 409.93'
L = 818.73'
R = 6,350.00'
PCC = 25+21.43
PT = 33+40.16
DESIGN SPEED = 60 MPH
e = 2.70%

Curve DTR_RMP_G3-2
PI = 34+36.99
DELTA = 3° 03' 49.93" (LT)
D = 0° 32' 44"
T = 280.81'
L = 561.48'
R = 10,500.00'
PC = 31+56.18
PCC = 37+17.67
DESIGN SPEED = 30 MPH
e = NC

Curve DTR_RMP_D2-1
PI = 15+12.00
DELTA = 2° 12' 09.89" (LT)
D = 0° 42' 58"
T = 153.80'
L = 307.56'
R = 8,000.00'
PC = 13+58.20
PCC = 16+65.76
FOR INFORMATION ONLY

Curve DTR_RMP_D2-2
PI = 19+29.64
DELTA = 2° 37' 44.23" (LT)
D = 0° 29' 54"
T = 263.88'
L = 527.66'
R = 11,500.00'
PCC = 16+65.76
PCC = 21+93.43
DESIGN SPEED = 30 MPH
e = NC



NOVA DISTRICT

12/16/2022

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4G(1) AREA 1

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.)

Roadway Plan Sheet 4G

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4G(1) AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

Dulles Toll Road Eastbound

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4H AREA 1

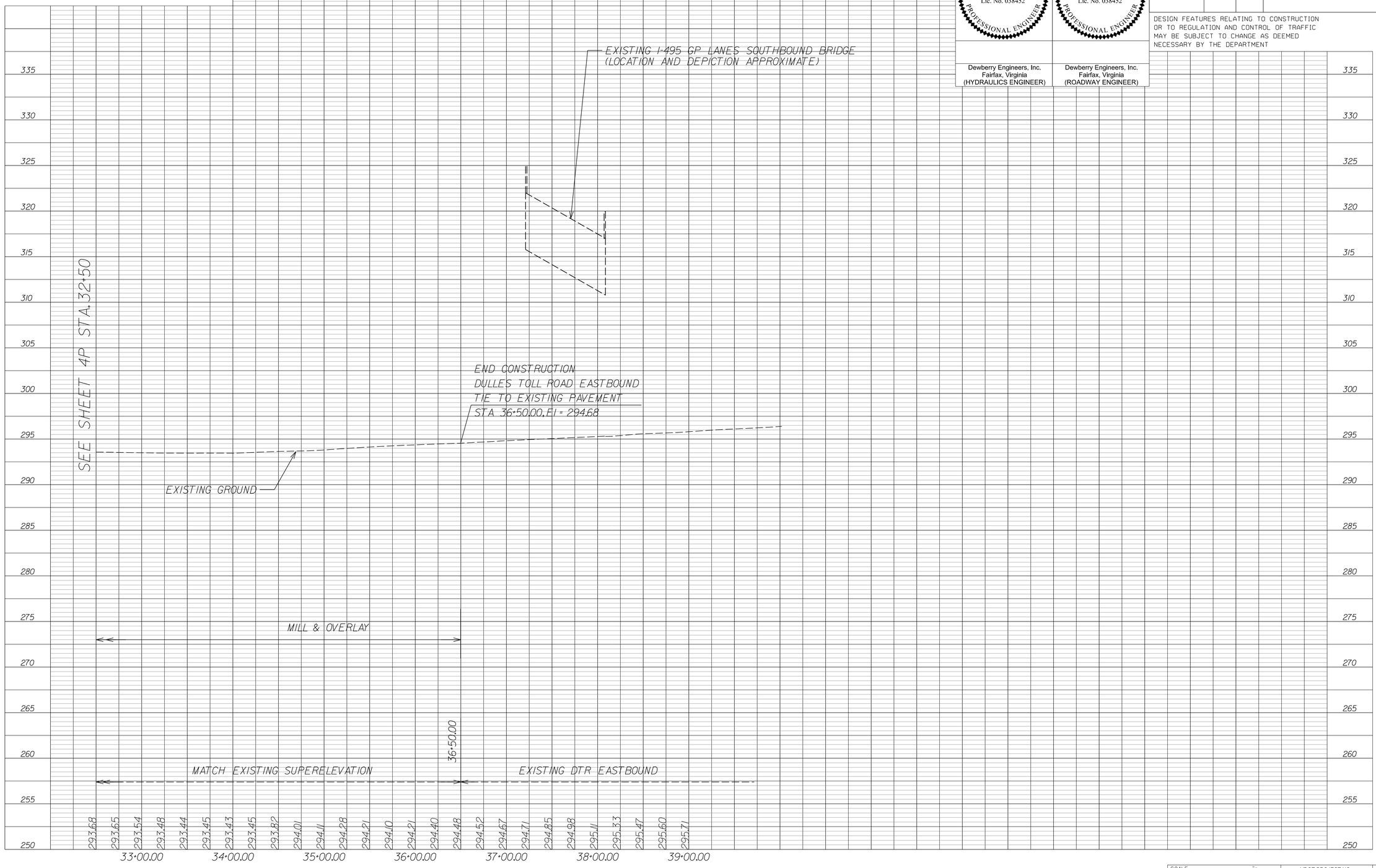
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4H AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022 2:07:40 PM
35x23 (In.)
default_RDAJbl
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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis LS_(703) 334-0837_12/2021_
DESIGN BY _RDA_-_Darell 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

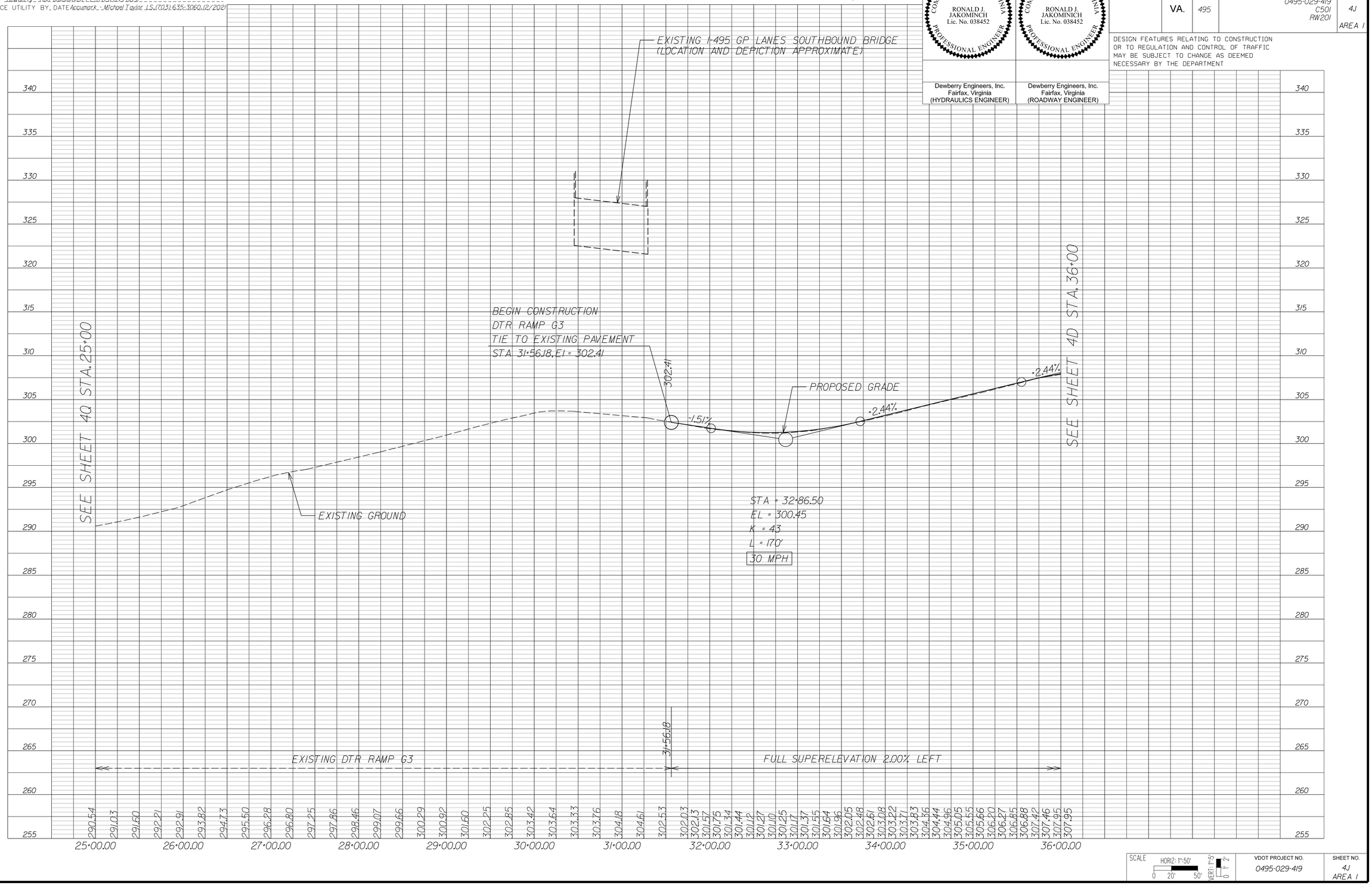
DTR Ramp G3

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER
Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4J AREA 1

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' (0 20' 50') VERT: 1"=5' (0 1 2)

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4J AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas, Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darell 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

DTR Ramp E4

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4K AREA 1

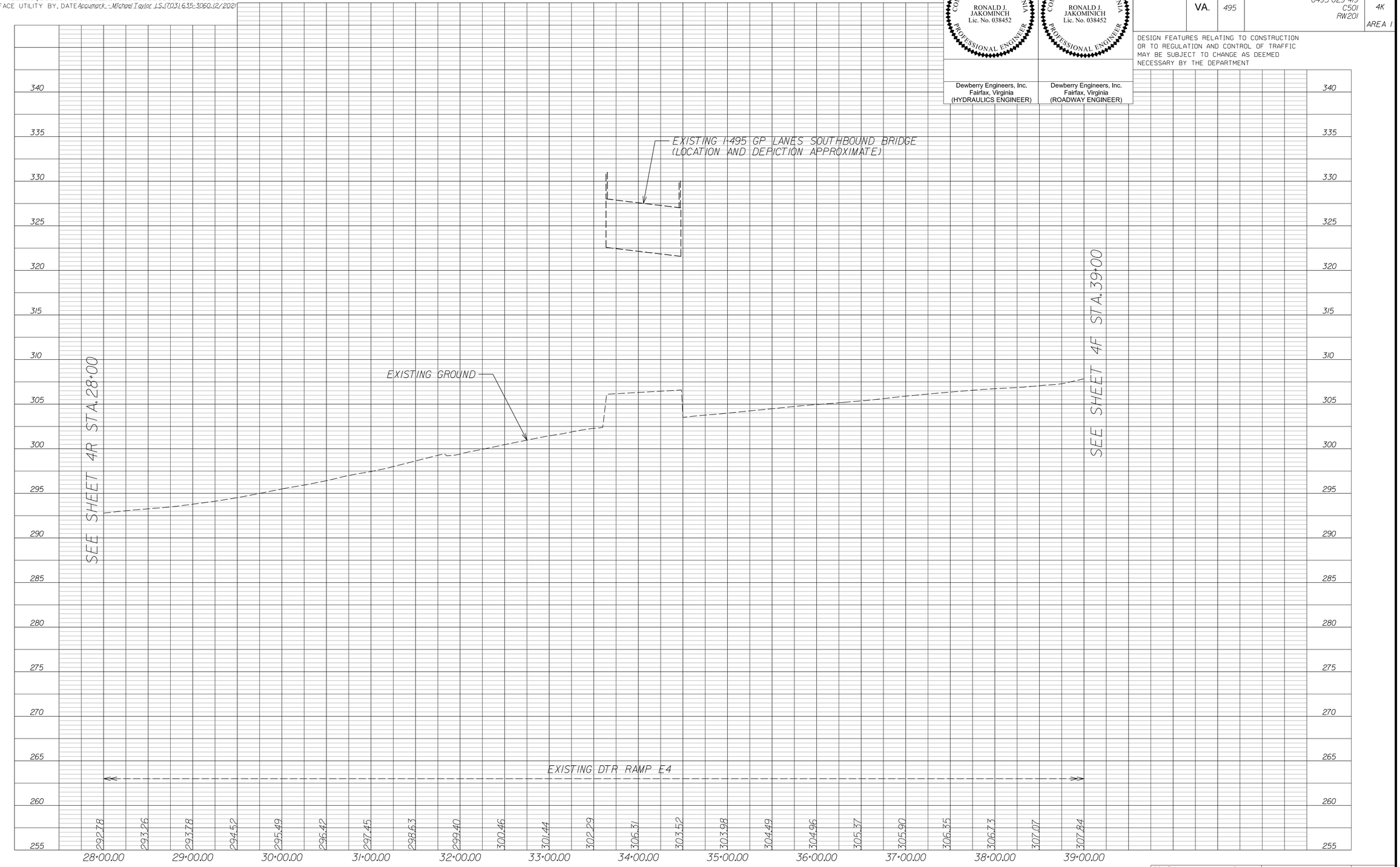
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



NOVA DISTRICT

12/16/2022

SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4K AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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

DTR Ramp D2

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

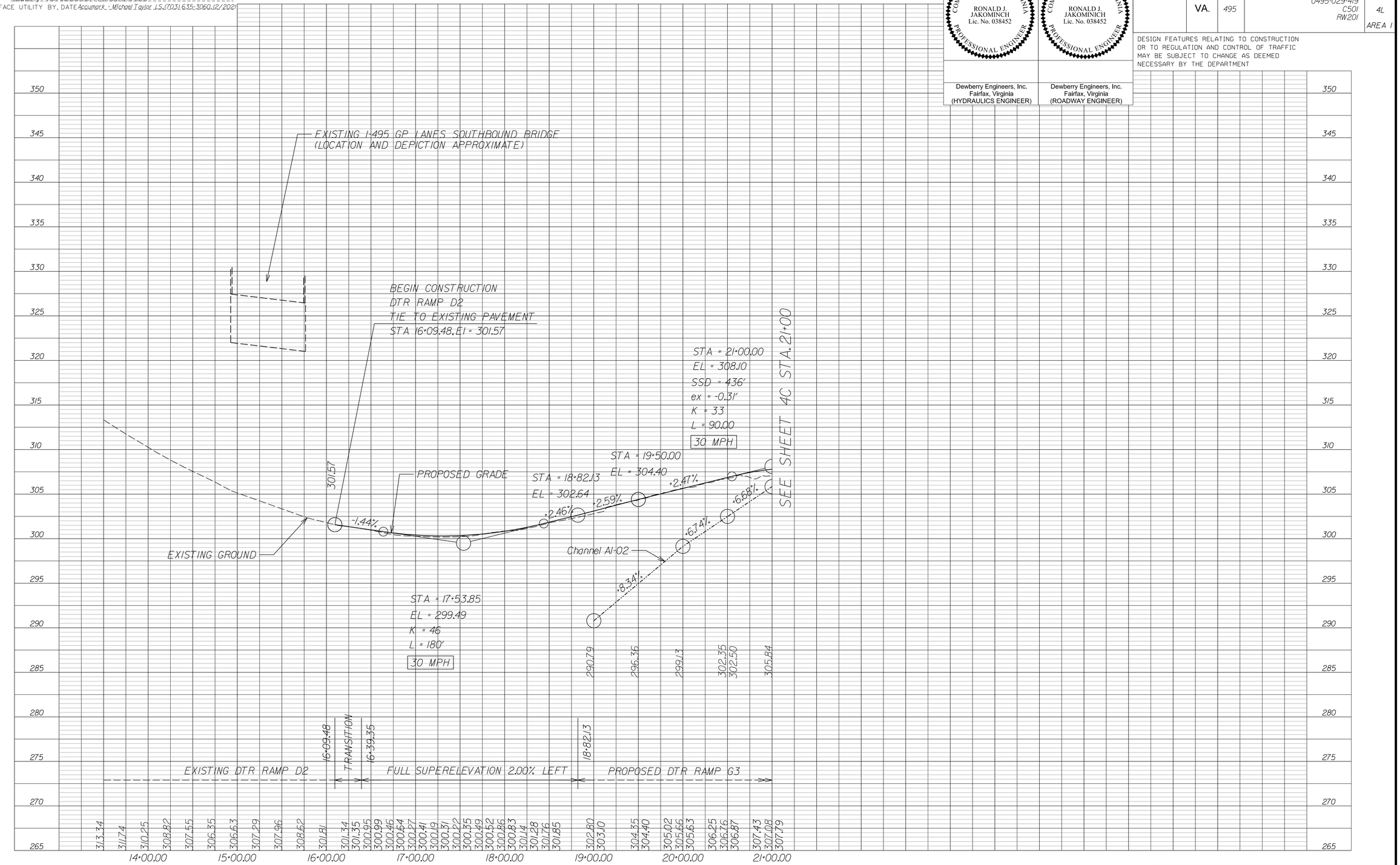
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4L AREA 1

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	VDOT PROJECT NO.	SHEET NO.
HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 5')	0495-029-419	4L AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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DESIGN BY RDA - Darell 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

DTR Ramp EI

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4M AREA 1

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

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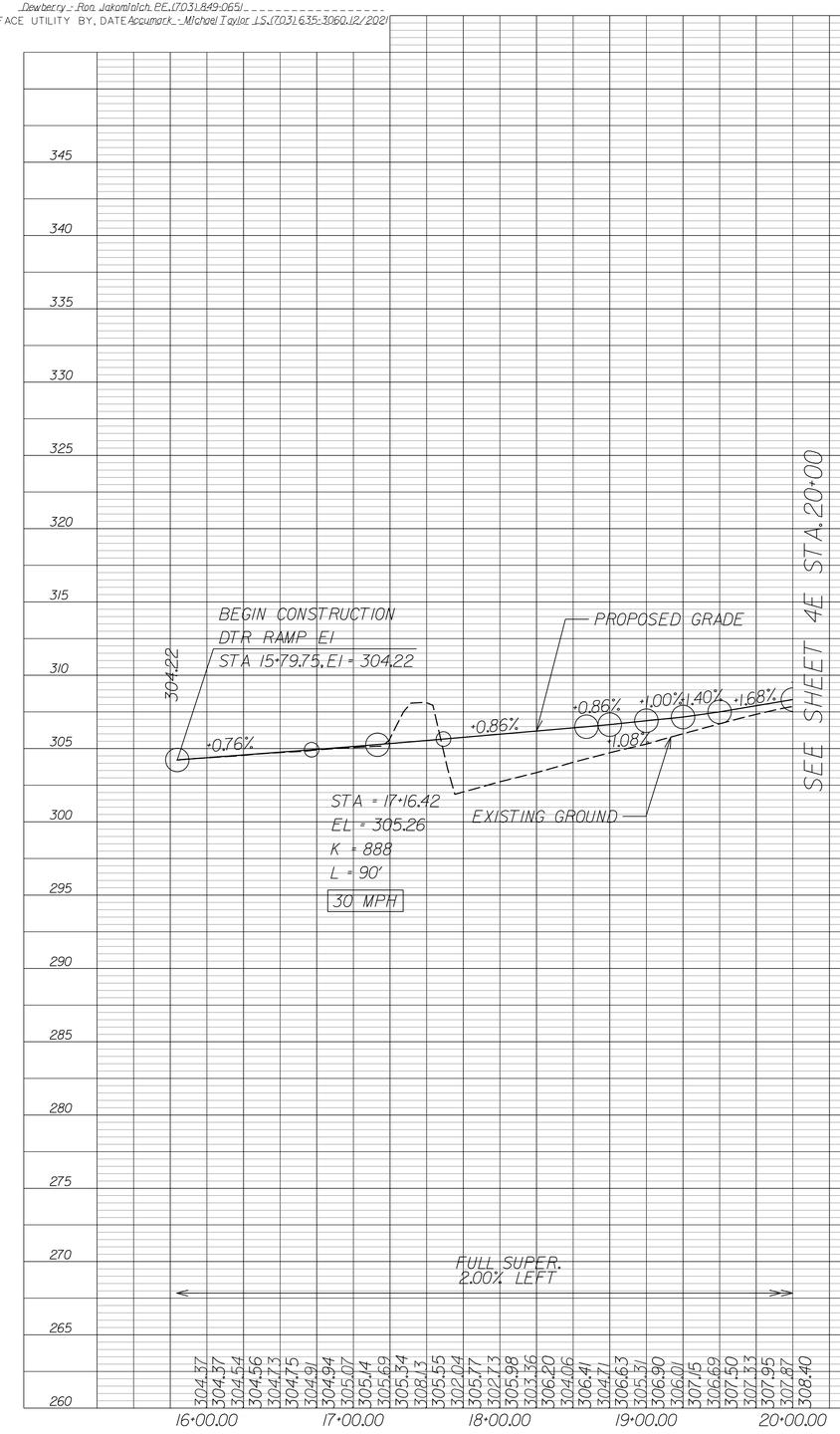
Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)



NOVA DISTRICT

12/16/2022

SCALE	VDOT PROJECT NO.	SHEET NO.
HORIZ- 1"=50' (0, 20', 50') VERT- 1"=5' (0, 1')	0495-029-419	4M AREA 1

APPROVED FOR CONSTRUCTION

50.0000 ft / In.

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE. (703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas Kaugauli's LS. (703) 334-0837, 12/2021
DESIGN BY _RDA_ - Darell Fischer PE. (703) 334-0823
Dewberry - Ron Jakomiolch, PE. (703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor LS. (703) 635-3060, 12/2021

Roadway Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4N AREA 1

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

DTR WESTBOUND

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

℄ DTR_EB

DTR EASTBOUND

DTR RAMP E4

℄ DTR_RMP_E4

DTR RAMP G3

℄ DTR_RMP_G3

Approximate Culvert Location

Approximate Culvert Location

MATCHLINE DTR_EB STA. 18+50.00 DTR_RMP_E4 STA 14+50.00 SEE SHEET 4S

MATCHLINE DTR_EB STA. 32+50.00 DTR_RMP_G3 STA 25+00.00 DTR_RMP_E4 STA 28+00.00 SEE SHEET 4G

END CONSTRUCTION DTR RAMP E4
℄ DTR_RMP_E4 STA. 20+63.04

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP G3
BEGIN ℄ DTR_RMP_G3 PC 19+41.48 =
℄ DTR_EB STA. 26+56.91, 33.00' RT.

END CONSTRUCTION DTR RAMP G3
℄ DTR_RMP_G3 STA. 24+50.00

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	IG, IG(1)
Erosion Controls Ph1 & Ph2	IV(4N), IW(4N)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Drainage Plan Sheets	4NDRN
Alignment Data Sheet	4N(1)
Profile DTR EB	4P
Profile Ramp G3	4Q
Profile Ramp E4	4R

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4N AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

50.0000 ft / In.

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal_Shah_PE_(703)_259-2362_
SURVEYED BY, DATE _RDA_-_Nicholas_Kaugauli's_LS_(703)_334-0837_12/2021_
DESIGN BY _RDA_-_Darell_Fischer_PE_(703)_334-0823_
Dewberry-_Ron_Jakomiolch_PE_(703)_849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Drainage Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4NDRN AREA 1

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

DTR WESTBOUND

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

℄ DTR_EB

DTR EASTBOUND

DTR RAMP E4

℄ DTR_RMP_E4

DTR RAMP G3

℄ DTR_RMP_G3

Approximate Culvert Location

Approximate Culvert Location

MATCHLINE DTR_EB STA 18+50.00 DTR_RMP_E4 STA 14+50.00 SEE SHEET 4SDRN

MATCHLINE DTR_EB STA 32+50.00 DTR_RMP_G3 STA 22+00.00 DTR_RMP_E4 STA 28+00.00 SEE SHEET 4GDRN

END CONSTRUCTION DTR RAMP E4
℄ DTR_RMP_E4 STA. 20+63.04

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP G3
BEGIN ℄ DTR_RMP_G3 PC 19+41.48 =
℄ DTR_EB STA. 26+56.91, 33.00' RT.

END CONSTRUCTION DTR RAMP G3
℄ DTR_RMP_G3 STA. 24+50.00

Ex. VDOT R/W & L/A Line

Exist. FAA R/W & L/A Line

H20-001

H20-004

H20-005

SL48

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	IV(4N), IW(4N)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Roadway Plan Sheet	4N
Alignment Data Sheet	4N(1)
Profile DTR EB	4P
Profile Ramp G3	4Q
Profile Ramp E4	4R

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4NDRN AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis, LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darell 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

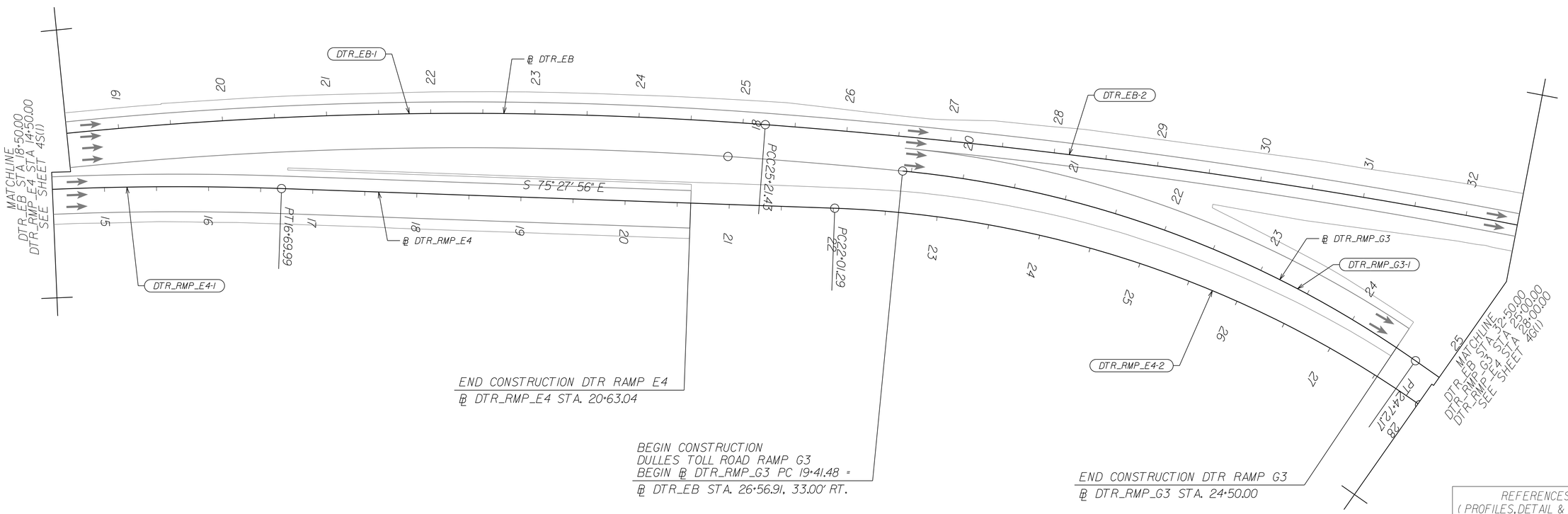
Alignment Data

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4N(1) AREA 1

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



END CONSTRUCTION DTR RAMP E4
℄ DTR_RMP_E4 STA. 20+63.04

BEGIN CONSTRUCTION
DULLES TOLL ROAD RAMP G3
BEGIN ℄ DTR_RMP_G3 PC 19+41.48 =
℄ DTR_EB STA. 26+56.91, 33.00' RT.

END CONSTRUCTION DTR RAMP G3
℄ DTR_RMP_G3 STA. 24+50.00

Curve DTR_EB-1
PI = 17+70.88
DELTA = 22° 45' 59.39" (RT)
D = 1° 29' 47"
T = 770.88'
L = 1,521.43'
R = 3,828.94'
PC = 10+00.00
PCC = 25+21.43
DESIGN SPEED = 60 MPH
e = EXIST

Curve DTR_EB-2
PI = 29+31.36
DELTA = 7° 23' 14.51" (RT)
D = 0° 54' 08"
T = 409.93'
L = 818.73'
R = 6,350.00'
PCC = 25+21.43
PT = 33+40.16
DESIGN SPEED = 60 MPH
e = EXIST

Curve DTR_RMP_G3-1
PI = 22+12.86
DELTA = 29° 31' 16.20" (RT)
D = 5° 33' 46"
T = 271.38'
L = 530.70'
R = 1,030.00'
PC = 19+41.48
PT = 24+72.17
DESIGN SPEED = 30 MPH
e = 4.0%
Lr = 112'

Curve DTR_RMP_E4-1
PI = 13+36.58
DELTA = 13° 35' 36.43" (RT)
D = 2° 01' 44"
T = 336.58'
L = 669.99'
R = 2,823.99'
PC = 10+00.00
PT = 16+69.99
DESIGN SPEED = 50 MPH
e = EXIST

Curve DTR_RMP_E4-2
PI = 25+10.14
DELTA = 33° 04' 47.78" (RT)
D = 5° 30' 33"
T = 308.85'
L = 600.45'
R = 1,040.00'
PC = 22+01.29
PT = 28+01.74
FOR INFORMATION ONLY

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

Roadway Plan Sheet	4N

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4N(1) AREA 1

NOVA DISTRICT

12/16/2022

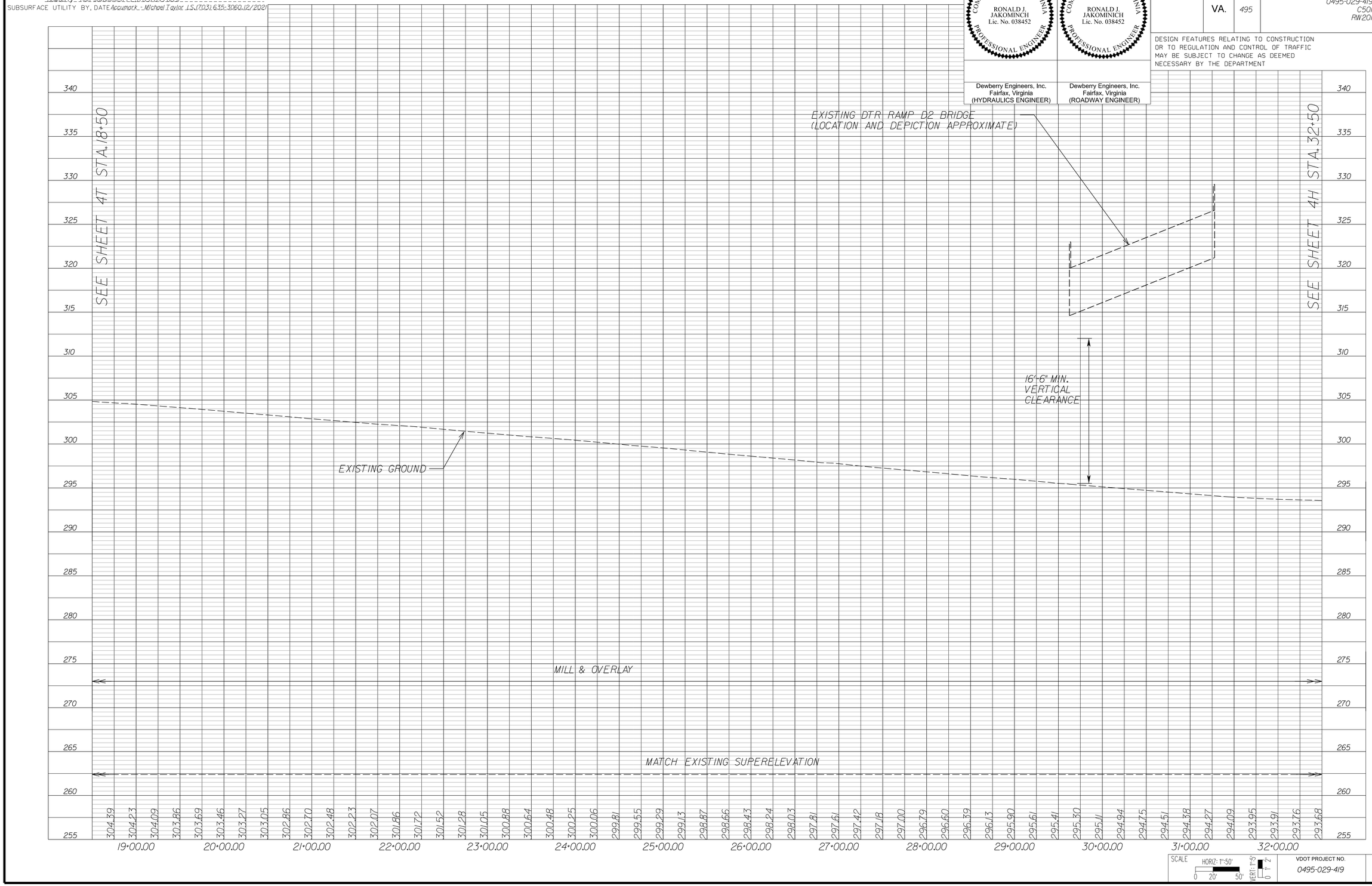
APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

Dulles Toll Road Eastbound



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

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4P AREA 1

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

SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4P AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauils LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

DTR Ramp G3

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

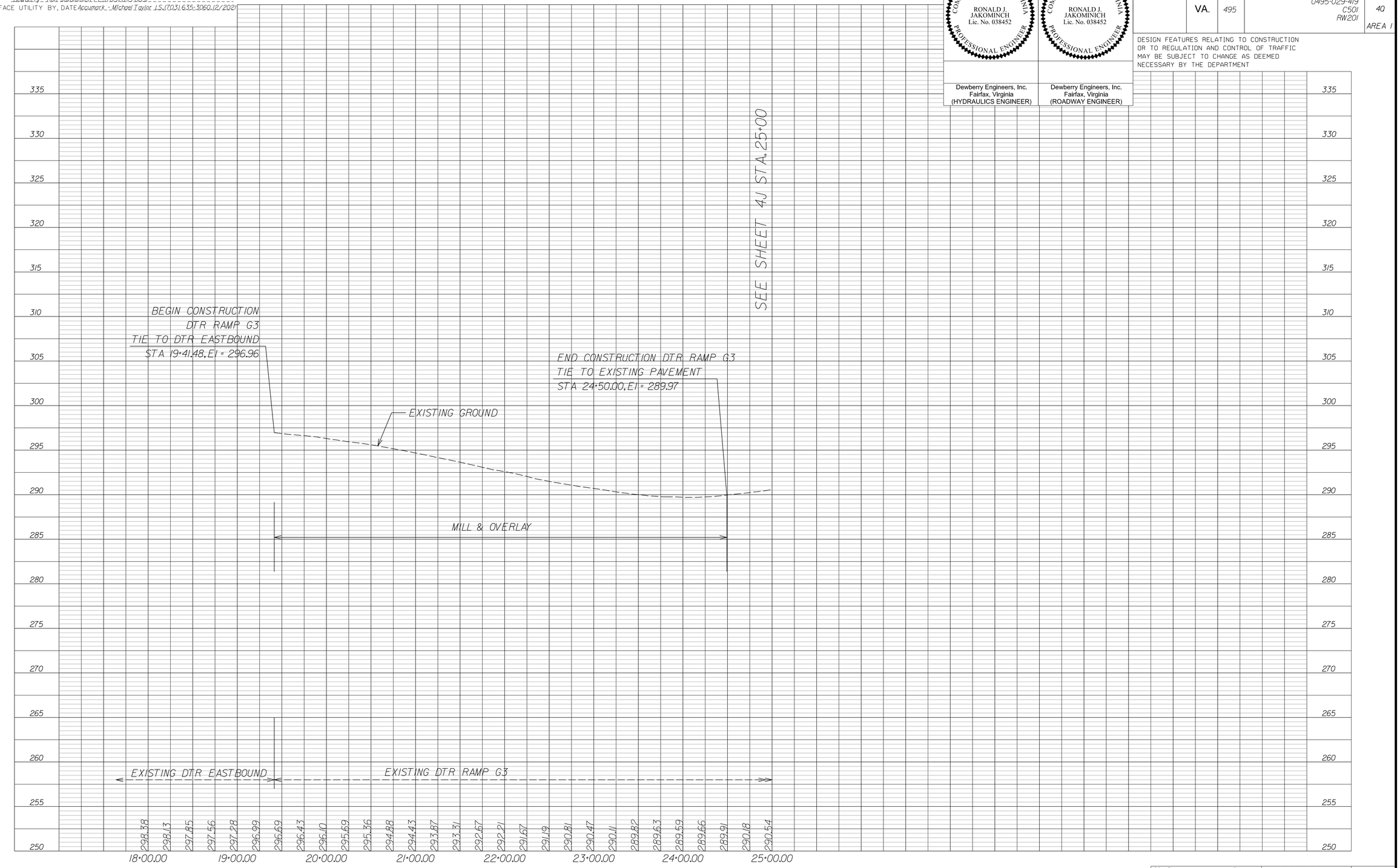
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	40 AREA 1

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



SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO. 0495-029-419

SHEET NO. 40 AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas, Kaugauils LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darell 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

DTR Ramp E4

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4R AREA 1

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

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

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

SCALE HORIZ: 1"=50' (0 20' 50') VERT: 1"=5' (0 1 2)

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4R AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

50.0000 ft / In.

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugaulis LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

Roadway Plan

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4S AREA 1

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

INSET A

MATCHLINE SEE BELOW

DTR EASTBOUND

(TransUrban)

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

(VDOT)

(QWEST)

BEGIN ℄ DTR_EB PC 10+00.00

℄ DTR_EB

10ft

66ft

16ft

DTR EASTBOUND

DTR RAMP E4

9ft

44ft

21ft

10ft

℄ DTR_RMP_E4

*04-018A-25

*29662

*29647.3

(Empty)

TC Box

*12

*13

*14

MATCHLINE SEE INSET A

BEGIN CONSTRUCTION
DULLES TOLL ROAD EASTBOUND
℄ DTR_EB STA. 11+48.14

BEGIN CONSTRUCTION DTR RAMP E4
BEGIN ℄ DTR_RMP_E4 PC 10+00.00 =
℄ DTR_EB STA. 13+76.24, 33.00' RT.

MATCHLINE
DTR_EB STA 18+50.00
DTR_RMP_E4 STA 14+50.00
SEE SHEET 4N

NOVA DISTRICT

12/16/2022

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

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(4S), 1W(4S)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Drainage Plan Sheets	4SDRN
Alignment Data Sheet	4S(1)
Profile DTR EB	4T
Profile Ramp E4	4U

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4S AREA 1

APPROVED FOR CONSTRUCTION

12/16/2022 2:08:38 PM
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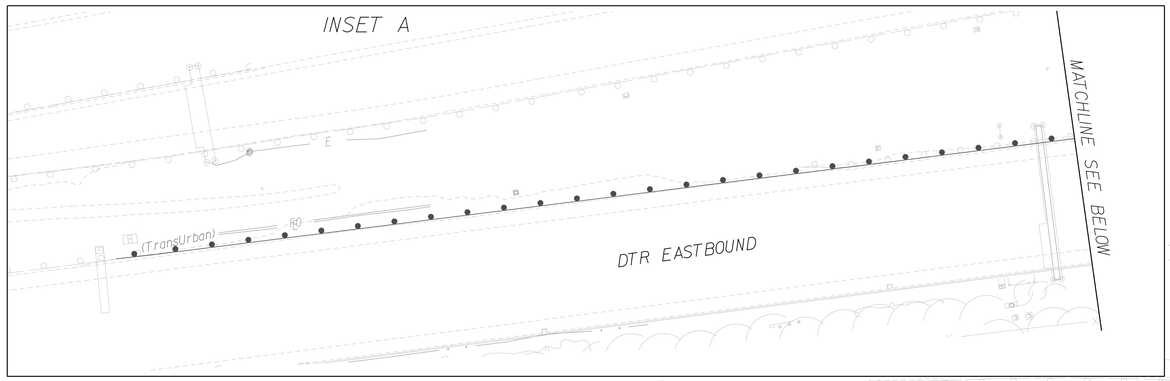
1495NEXT_AI_RDW_04S(01)DRN.dgn
Plotted By: dchakansky
50.0000 ft / In.

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 _Accumark_ - Michael Taylor LS, (703) 635-3060, 12/2021

Drainage Plan



RONALD J. JAKOMINICH
Lic. No. 038452
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Dewberry Engineers, Inc.
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Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4SDRN AREA 1

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.)

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4SDRN AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

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

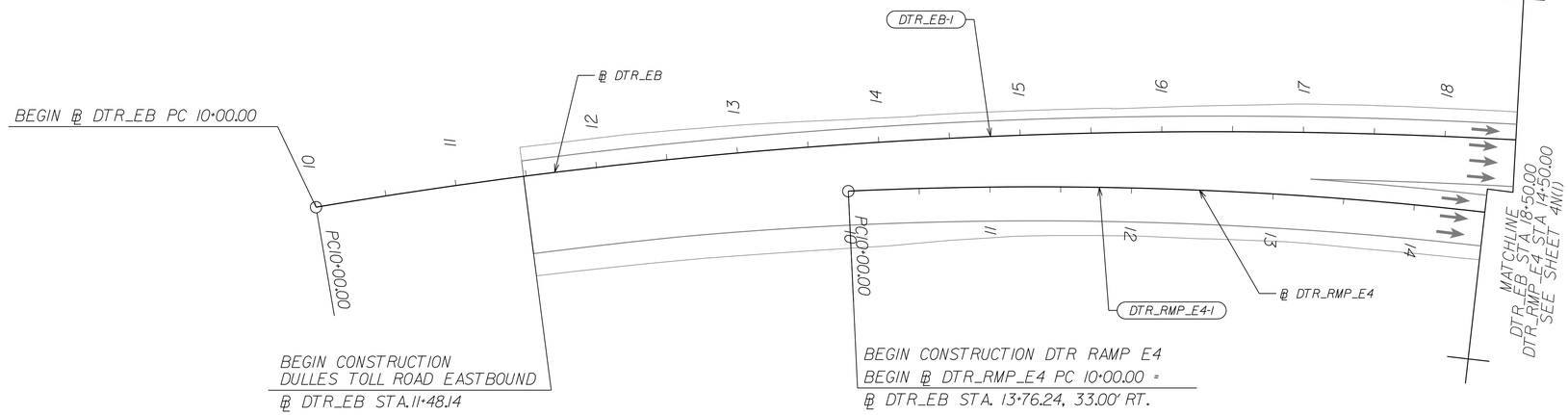
Alignment Data

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4S(1) AREA 1

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

Curve DTR_EB-1
PI = 17+70.88
DELTA = 22° 45' 59.39" (RT)
D = 1° 29' 47"
T = 770.88'
L = 1,521.43'
R = 3,828.94'
PC = 10+00.00
PCC = 25+21.43
DESIGN SPEED = 60 MPH
e = EXIST

Curve DTR_RMP_E4-1
PI = 13+36.58
DELTA = 13° 35' 36.43" (RT)
D = 2° 01' 44"
T = 336.58'
L = 669.99'
R = 2,823.99'
PC = 10+00.00
PT = 16+69.99
DESIGN SPEED = 50 MPH
e = EXIST

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

Roadway Plan Sheet	4S

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	4S(1) AREA 1

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022
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50.0000 ft / In.
1495NEXT_AI_RDW_04T.dgn
Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
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DESIGN BY RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiolch, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

Dulles Toll Road Eastbound

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

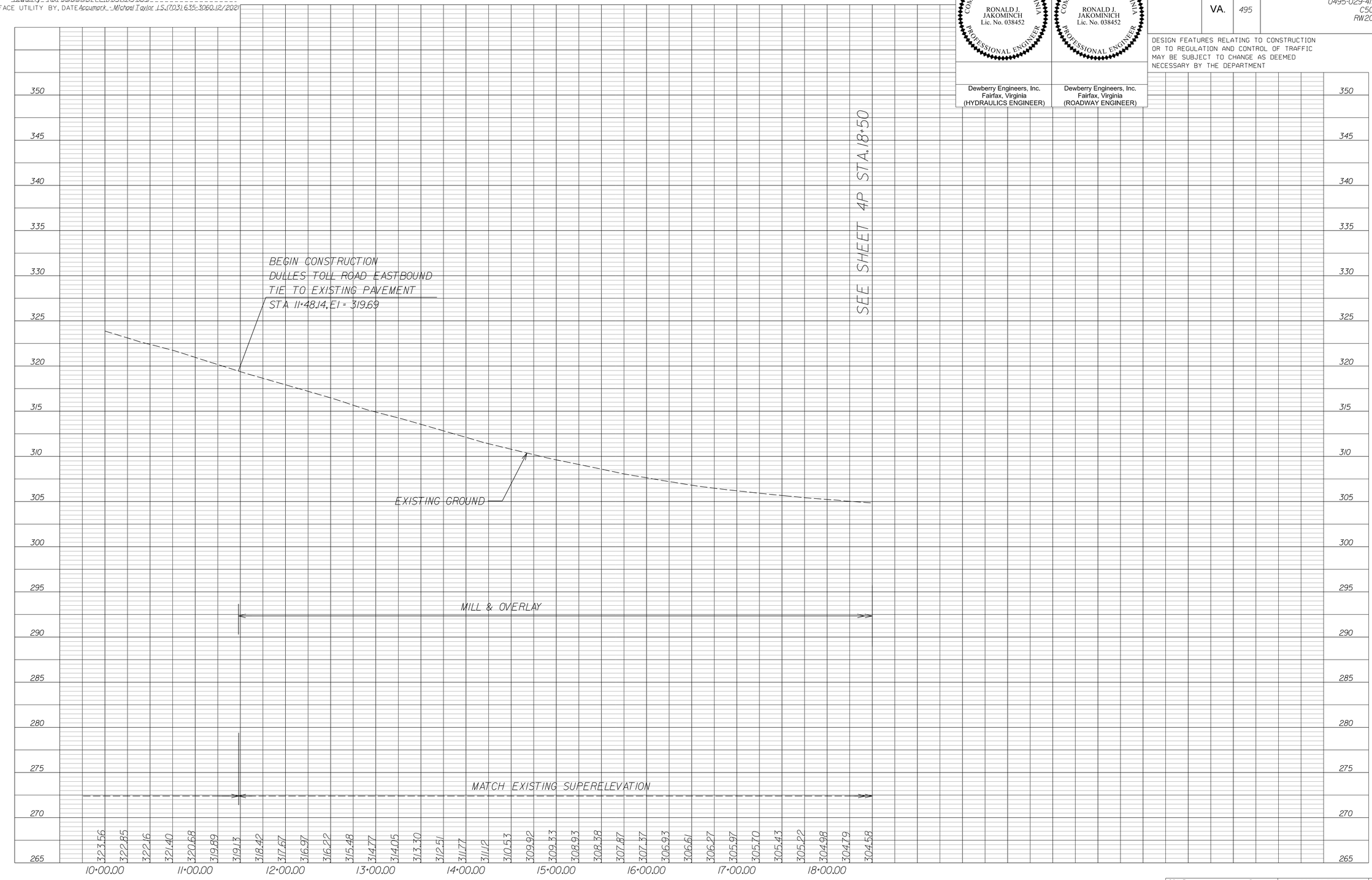
Dewberry Engineers, Inc.
Fairfax, Virginia
(HYDRAULICS ENGINEER)

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4T AREA 1

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



SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1", 2")

VDOT PROJECT NO. 0495-029-419

SHEET NO. 4T AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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DESIGN BY RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

DTR Ramp E4

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

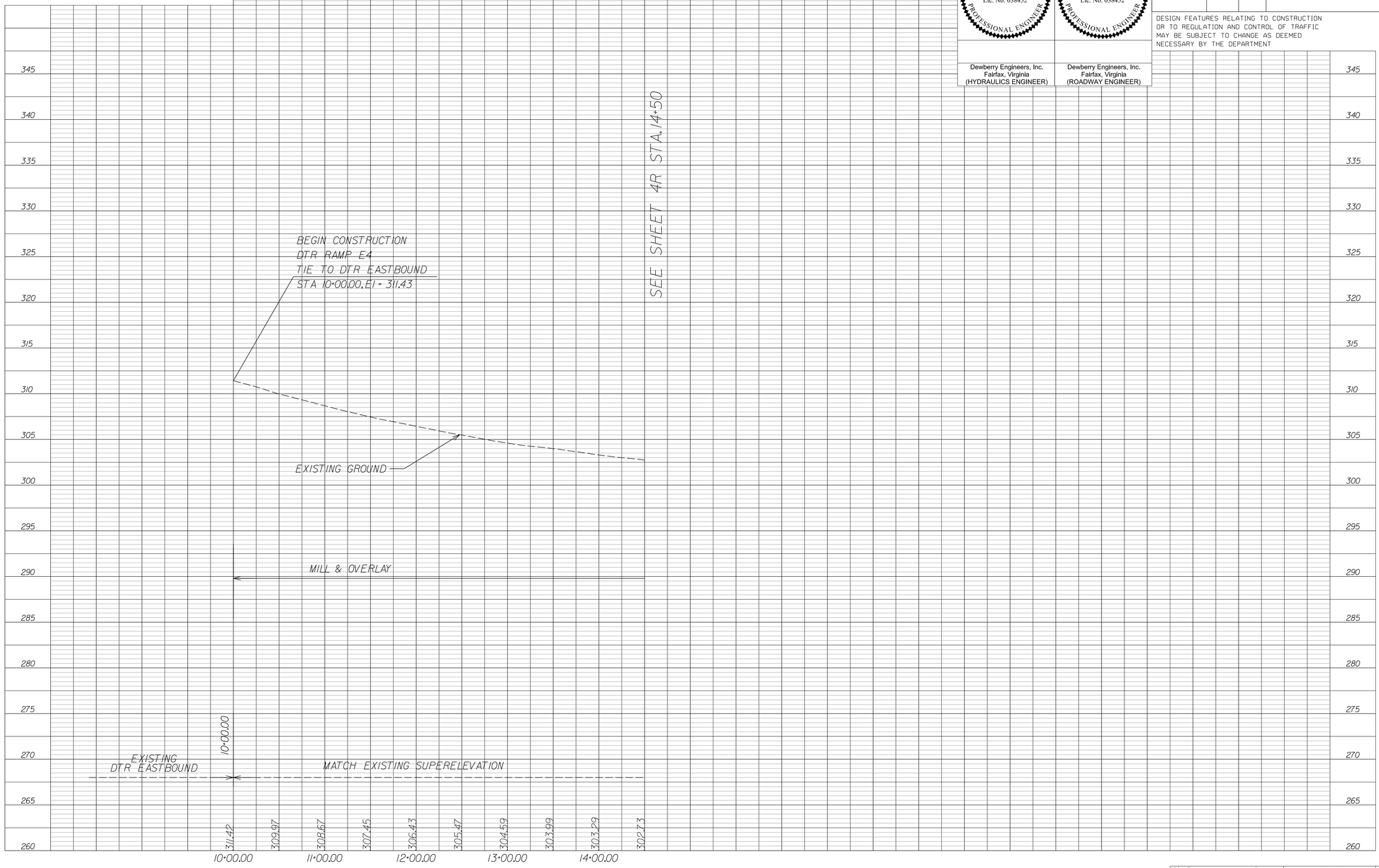
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	4U AREA 1

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' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO.	SHEET NO.
0495-029-419	4U AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Roadway Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201 B632 B633	5 AREA 1

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

MATCHLINE SEE SHEET 4G

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET 4

MATCHLINE 495XL_NB STA 153+50.00 495GP_NB STA 1057+00.00 SEE SHEET 4

Exist. FAA R/W

Exist. VDOT R/W & L/A Line Per VDOT Highway Plan 0413-029-007, RW-1

495 EXPRESS LANES SOUTHBOUND

℄ 495XL_SB

BEGIN PROJECT 0495-029-419 C501
495 EXPRESS LANES NORTHBOUND
℄ 495XL_NB STA. 567+00.00

END BRIDGE B-633
℄ RAMP E1 STA. 41+16.09

495 EXPRESS LANES NORTHBOUND

℄ 495XL_NB

MATCHLINE 495XL_SB STA 168+00.00
495XL_NB STA 567+50.00
DTR_RAMP_E1 STA 44+00.00
495GP_NB STA 1071+00.00
END AREA 1
SHEET 6 FOR CONTINUITY
SEE AREA 2

END CONSTRUCTION
I-495 GP LANES NORTHBOUND
℄ 495GP_NB STA. 1057+43.90

END ℄ DTR_RMP_G3 PT 53+96.27 =
℄ 495GP_NB, STA. 1065+84.70, 48.00' RT.

℄ 495GP_NB

℄ DTR_EB

℄ DAR_EB

℄ DAR_WB

RETAINING WALL RW01

DTR RAMP E1

I-495 GP LANES NORTHBOUND

DTR RAMP G3

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

DTR EASTBOUND

DTR WESTBOUND

Exist. FAA R/W

Exist. VDOT R/W & L/A Line Per VDOT Highway Plan 0413-029-007, RW-1

BEGIN BRIDGE B-633
℄ RAMP E1 STA. 36+68.98

BEGIN CONSTRUCTION
I-495 GP LANES NORTHBOUND
℄ 495GP_NB PC 1069+62.75

℄ DTR_RMP_E1

℄ DTR_RMP_G10

END CONSTRUCTION
DULLES TOLL ROAD RAMP G3
STA. 46+71.41

END CONSTRUCTION
DTR RAMP E3
END ℄ DTR_RMP_E3
POT 26+83.99=
℄ DTR_RMP_E1
STA. 37+36.91, 24.00' RT

BEGIN CONSTRUCTION
DTR RAMP G10
℄ DTR_RMP_G10 17+70.00

*04-017-25a

℄ DTR_RMP_G3

RETAINING WALL RW33A

END BRIDGE B-632
℄ RAMP E1 STA. 33+83.31

℄ DTR_RMP_E3

RETAINING WALL RW13

MATCHLINE DTR_RMP_G3 STA 44+50.00
DTR_RMP_E1 STA 28+50.00
SEE SHEET 4

BEGIN BRIDGE B-632
℄ RAMP E1 STA. 30+25.78

END NOISE BARRIER NB-12A STA. 29+52.51

MATCHLINE SEE SHEET 5J

MATCHLINE DTR_WB STA 420+00.00
DTR_RMP_G10 STA 12+00.00
DTR_RMP_E3 STA 23+00.00
SEE SHEET 5J

℄ DTR_WB

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	IG, IG(1)
Erosion Controls Ph1 & Ph2	IV(5), IW(5)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Drainage Plan Sheets	5DRN
Alignment Data Sheet	5(1)
Profile I-495 NB XL	5A
Profile I-495 NB GP	5B
Profile Ramp G3	5C
Profile Ramp E1	5D, 5E
Profile Ramp E3	5F
Profile Ramp G10	5G

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	5 AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER_VDOT_-_Rimpal_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_Jakomiolch_PE_(703)_849-0651_____
SUBSURFACE UTILITY BY, DATE_Accumark_-_Michael_Taylor_LS_(703)_635-3060_12/2021

Drainage Plan

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5DRN AREA 1

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

MATCHLINE SEE SHEET 4DRN

MATCHLINE 495XL_SB STA 153+50.00 SEE SHEET 4DRN

Exist. FAA R/W

Exist. VDOT R/W & L/A Line Per VDOT Highway Plan 0413-029-007, RW-1

495 EXPRESS LANES SOUTHBOUND

℄ 495XL_SB

BEGIN PROJECT 0495-029-419 C501
495 EXPRESS LANES NORTHBOUND
℄ 495XL_NB STA. 567+00.00

END BRIDGE B-633
℄ RAMP E1 STA. 41+16.09

495 EXPRESS LANES NORTHBOUND

℄ 495XL_NB

MATCHLINE 495XL_SB STA 168+00.00
495XL_NB STA 567+50.00
DTR_RAMP_E1 STA 44+00.00
495GP_NB STA 1071+00.00
END AREA 1
SEE AREA 2 SHEET 6DRN FOR CONTINUITY

RETAINING WALL RW01

DTR RAMP E1

MATCHLINE 495XL_NB STA 553+50.00 495GP_NB STA 1057+00.00 SEE SHEET 4DRN

END CONSTRUCTION I-495 GP LANES NORTHBOUND
℄ 495GP_NB STA. 1057+43.90

END ℄ DTR_RMP_G3 PT 53+96.27 = ℄ 495GP_NB, STA. 1065+84.70, 48.00' RT.

℄ 495GP_NB

℄ DTR_EB

℄ DAR_EB

℄ DAR_WB

I-495 GP LANES NORTHBOUND

DULLES ACCESS RD EASTBOUND

DULLES ACCESS RD WESTBOUND

DTR RAMP G3

Exist. FAA R/W

Exist. VDOT R/W & L/A Line Per VDOT Highway Plan 0413-029-007, RW-1

BEGIN BRIDGE B-633
℄ RAMP E1 STA. 36+68.98

Ditch AI-7

℄ DTR_RMP_E1

DTR EASTBOUND

DTR WESTBOUND

BEGIN CONSTRUCTION I-495 GP LANES NORTHBOUND
℄ 495GP_NB PC 1069+62.75

℄ DTR_RMP_G10

END CONSTRUCTION DULLES TOLL ROAD RAMP G3 STA. 46+71.41

Ditch AI-6

Exist. FAA R/W

BEGIN CONSTRUCTION DTR RAMP G10
℄ DTR_RMP_G10 17+70.00

END CONSTRUCTION DTR RAMP E3 END ℄ DTR_RMP_E3 POT 26+83.99=
℄ DTR_RMP_E1 STA. 37+36.91, 24.00' RT

MATCHLINE DTR_RMP_G3 STA 44+50.00 DTR_RMP_E1 STA 28+50.00 SEE SHEET 4DRN

℄ DTR_RMP_G3

Ditch AI-3

Ditch AI-12

END BRIDGE B-632
℄ RAMP E1 STA. 33+83.31

RETAINING WALL RW33A

Channel AI-3

RIP-RAP CLASS I

DTR RAMP E1

Ditch AI-4

Ditch AI-11

℄ DTR_RMP_E3

CHANNEL RELOCATION

RETAINING WALL RW13

END NOISE BARRIER NB-12A STA.29+52.51

IN BRIDGE B-632
MP E1 STA. 30+25.78

℄ DTR_WB

MATCHLINE DTR_WB STA 420+00.00 DTR_RMP_G10 STA 12+00.00 DTR_RMP_E3 STA 23+00.00 SEE SHEET 5JDRN

MATCHLINE SEE SHEET 5JDRN

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	IG, IG(1)
Erosion Controls Ph1 & Ph2	IV(5)JW(5)
Typical Sections	2A thru 2B(7)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Roadway Plan Sheet	5
Alignment Data Sheet	5(1)
Profile I-495 NB XL	5A
Profile I-495 NB GP	5B
Profile Ramp G3	5C
Profile Ramp E1	5D,5E
Profile Ramp E3	5F
Profile Ramp G10	5G

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	5DRN AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Alignment Data

Curve 495XL_NB-1
PI = 551+19.03
DELTA = 1° 19' 14.33" (RT)
D = 0° 15' 00"
T = 264.14'
L = 528.25'
R = 22,918.00'
PC = 548+54.90
PT = 553+83.15
FOR INFORMATION ONLY

Curve 495XL_NB-2
PI = 558+46.00
DELTA = 5° 52' 38.29" (RT)
D = 1° 25' 41"
T = 205.95'
L = 411.54'
R = 4,012.00'
PC = 556+40.05
PT = 560+51.59
FOR INFORMATION ONLY

Curve 495XL_NB-3
PI = 566+60.53
DELTA = 0° 29' 13.66" (LT)
D = 0° 23' 43"
T = 61.64'
L = 123.28'
R = 14,500.00'
PC = 565+98.89
PT = 567+22.17
DESIGN SPEED = 70 MPH
e = 2.00% (NC)
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
PRC = 1076+12.36
DESIGN SPEED = 60 MPH
e = NC
Lr = N/A

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

REVISED	STATE	ROUTE	VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5(1) AREA 1

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

Curve DTR_RMP_G3-4
PI = 42+99.12
DELTA = 89° 33' 31.75" (LT)
D = 12° 56' 01"
T = 439.60'
L = 692.45'
R = 443.00'
PCC = 38+59.51
PCC = 45+51.97
DESIGN SPEED = 30 MPH
e = 6.50%

Curve 495XL_SB-2
PI = 156+18.40
DELTA = 5° 21' 12.20" (LT)
D = 0° 47' 06"
T = 341.28'
L = 682.07'
R = 7,300.00'
PC = 152+77.12
PT = 159+59.19
FOR INFORMATION ONLY

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_G3-5
PI = 46+12.74
DELTA = 19° 09' 46.70" (LT)
D = 15° 54' 56"
T = 60.77'
L = 120.40'
R = 360.00'
PCC = 45+51.97
PT = 46+72.37
DESIGN SPEED = 30 MPH
e = 7.1%
Lr = 152'

Curve DTR_RMP_G3-6
PI = 52+13.76
DELTA = 20° 07' 40.82" (RT)
D = 5° 27' 24"
T = 186.35'
L = 368.86'
R = 1,050.00'
PC = 50+27.41
PT = 53+96.27
FOR INFORMATION ONLY

Curve DTR_RMP_E1-3
PI = 31+68.49
DELTA = 61° 58' 43.51" (LT)
D = 7° 38' 22"
T = 450.46'
L = 811.30'
R = 750.00'
PCC = 27+18.04
PT = 35+29.34
DESIGN SPEED = 30 MPH
e = 5.00%
Lr = 107'

Curve DTR_RMP_E1-4
PI = 41+20.39
DELTA = 33° 14' 39.00" (RT)
D = 15° 19' 11"
T = 111.65'
L = 217.00'
R = 374.00'
PC = 40+08.74
PT = 42+25.74
DESIGN SPEED = 30 MPH
e = 7.00%
Lr = 128'

Curve DTR_WB-3
PI = 420+38.38
DELTA = 7° 05' 30.69" (LT)
D = 2° 41' 21"
T = 132.02'
L = 263.71'
R = 2,130.52'
PCC = 419+06.35
PT = 421+70.06
FOR INFORMATION ONLY 419+06.35

Curve DTR_RMP_E3-2
PI = 23+99.65
DELTA = 60° 41' 58.23" (RT)
D = 9° 32' 57"
T = 351.31'
L = 635.64'
R = 600.00'
PC = 20+48.34
PT = 26+83.99
DESIGN SPEED = 30 MPH
e = 5.70%
Lr = 122'

Curve DTR_RMP_GIO-2
PI = 16+52.08
DELTA = 14° 10' 06.49" (RT)
D = 5° 52' 58"
T = 121.04'
L = 240.85'
R = 973.98'
PCC = 15+31.03
PCC = 17+71.88
FOR INFORMATION ONLY

Curve DTR_RMP_GIO-1
PI = 13+64.58
DELTA = 37° 45' 22.36" (RT)
D = 10° 54' 44"
T = 179.54'
L = 346.00'
R = 525.06'
PC = 11+85.03
PCC = 15+31.03
FOR INFORMATION ONLY

MATCHLINE
495XL_SB STA 153+50.00
SEE SHEET 4(1)

MATCHLINE
495XL_SB STA 168+00.00
495XL_NB STA 567+50.00
DTR_RMP_E1 STA 44+00.00
495GP_NB STA 1071+00.00
END AREA 1
SEE AREA 2 SHEET 6 FOR CONTINUITY

MATCHLINE
495XL_NB STA 553+50.00
495GP_NB STA 1057+00.00
SEE SHEET 4(1)

MATCHLINE
DTR_RMP_G3 STA 44+50.00
DTR_RMP_E1 STA 28+50.00
SEE SHEET 4(1)

MATCHLINE
DTR_WB STA 420+00.00
DTR_RMP_GIO STA 12+00.00
DTR_RMP_E3 STA 23+00.00
SEE SHEET 5(1)

MATCHLINE
DTR_RMP_GIO STA 18+50.00
END AREA 2
SEE SHEET 6 FOR CONTINUITY

SEE AREA 2

BEGIN PROJECT 0495-029-419 C501
495 EXPRESS LANES NORTHBOUND
℄ 495XL_NB STA. 567+00.00

END CONSTRUCTION
I-495 GP LANES NORTHBOUND
℄ 495GP_NB STA. 1057+43.90

END CONSTRUCTION
DULLES TOLL ROAD RAMP G3
STA. 46+71.41

BEGIN BRIDGE B-633
℄ RAMP E1 STA. 36+68.98

END BRIDGE B-633
℄ RAMP E1 STA. 41+16.09

END BRIDGE B-632
℄ RAMP E1 STA. 33+83.31

BEGIN BRIDGE B-632
℄ RAMP E1 STA. 30+25.78

END ℄ DTR_RMP_G3 PT 53+96.27 =
℄ 495GP_NB, STA. 1065+84.70, 48.00' RT.

END CONSTRUCTION
DTR RAMP E3
END ℄ DTR_RMP_E3
POT 26+83.99=
℄ DTR_RMP_E1
STA. 37+36.91, 24.00' RT

BEGIN CONSTRUCTION
I-495 GP LANES NORTHBOUND
℄ 495GP_NB PC 1069+62.75

BEGIN CONSTRUCTION
DTR RAMP GIO
℄ DTR_RMP_GIO 17+70.00

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Roadway Plan Sheet 5

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	5(1) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugauli's LS_(703) 334-0837_12/2021_____
DESIGN BY _RDA_-_Darell 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

495 Express Lanes Northbound

REVISED	STATE	STATE ROUTE	STATE PROJECT	STATE SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5A AREA 1

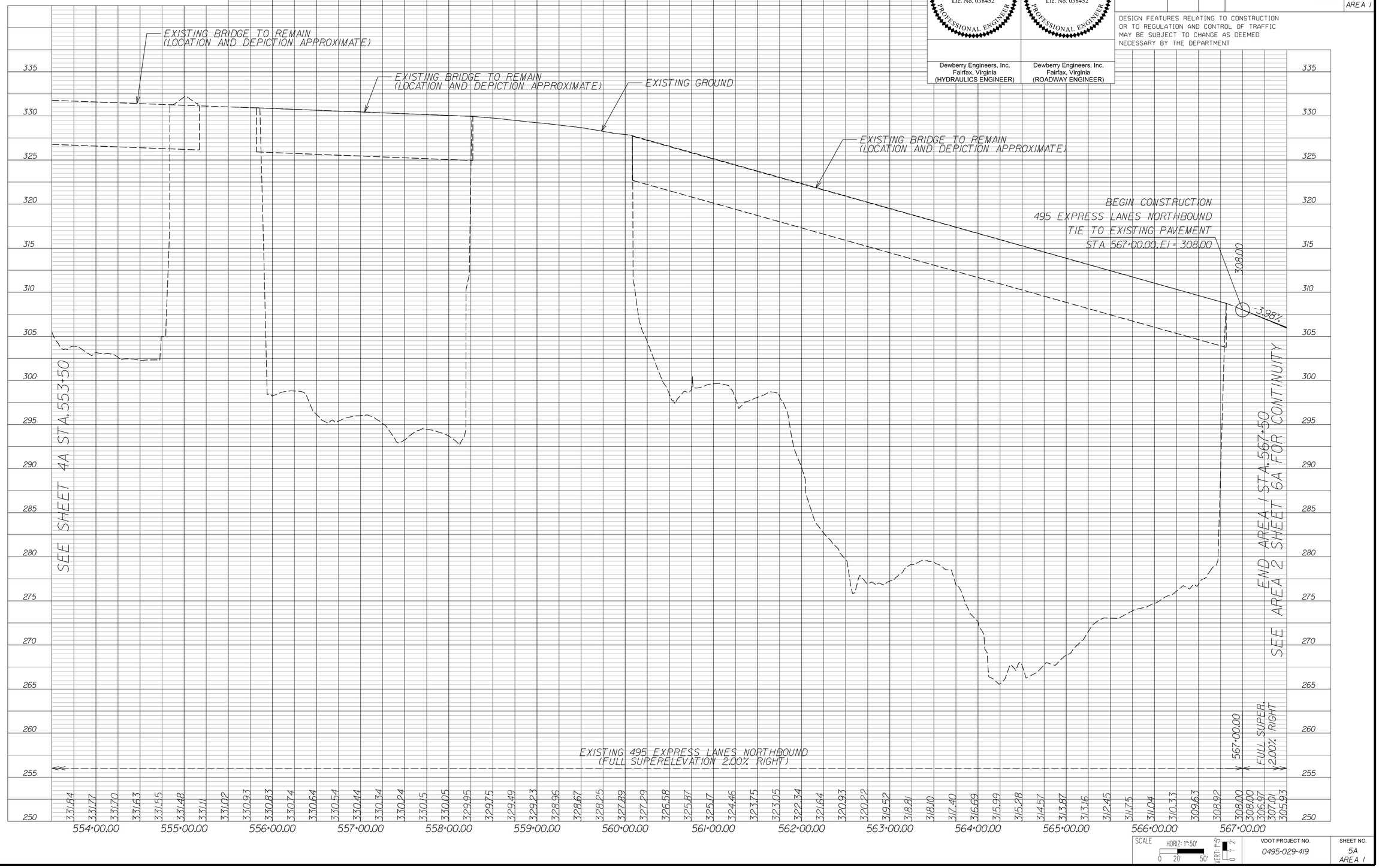
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE	VDOT PROJECT NO.	SHEET NO.
HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')	0495-029-419	5A AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas Kaugauli's LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darell 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

495 GP Lanes Northbound

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	STATE SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5B AREA 1

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

END CONSTRUCTION
I-495 GP LANES NORTHBOUND
TIE TO EXISTING PAVEMENT
STA 1057+43.90, EL = 324.58

EXISTING BRIDGE TO REMAIN
(LOCATION AND DEPICTION APPROXIMATE)

EXISTING BRIDGE TO REMAIN
(LOCATION AND DEPICTION APPROXIMATE)

EXISTING GROUND

BEGIN CONSTRUCTION
495 GP NORTHBOUND
TIE TO EXISTING PAVEMENT
STA 1069+62.75, EL = 295.57

END AREA 1 / STA 1071+00
SEE AREA 2 SHEET 6B FOR CONTINUITY

SEE SHEET 4B STA 1057+00

295.57
STA = 1071+00.00
EL = 292.67
-2.11%

PROPOSED GRADE

MILL & OVERLAY

EXISTING PAVEMENT (NORMAL CROWN)

1069+62.75
NORMAL CROWN

345	340	335	330	325	320	315	310	305	300	295	290	285	280	275	270	265	260

1057+00.00	1058+00.00	1059+00.00	1060+00.00	1061+00.00	1062+00.00	1063+00.00	1064+00.00	1065+00.00	1066+00.00	1067+00.00	1068+00.00	1069+00.00	1070+00.00	1071+00.00

325.55 324.91 324.28 323.65 322.97 322.37 321.72 308.66 298.61 298.79 299.48 299.37 296.01 296.72 297.35 295.47 295.47 295.45 294.31 302.12 313.36 312.76 312.26 311.65 311.04 310.55 309.96 309.25 308.74 308.06 307.47 306.92 306.24 305.57 304.91 304.55 301.30 288.09 278.87 280.88 280.99 288.36 300.30 299.60 299.06 298.55 298.00 297.45 296.85 296.25 295.62 294.99 295.31 294.30 294.78 293.83 294.25 293.23 293.13 292.75 293.20 292.17

SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')

VDOT PROJECT NO.	SHEET NO.
0495-029-419	5B AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

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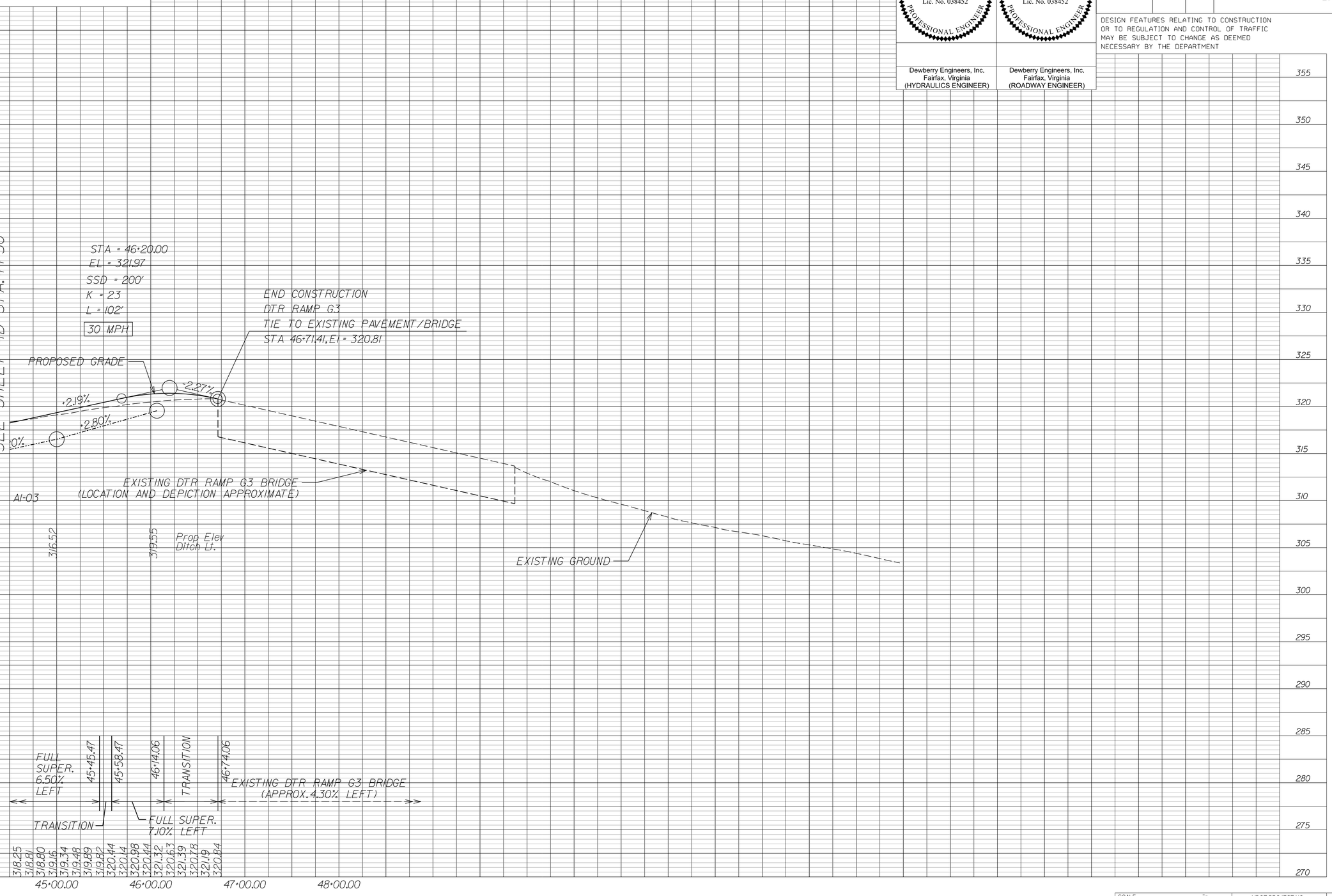
LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

DTR Ramp G3



NOVA DISTRICT

12/16/2022

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5C AREA 1

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

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
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Fairfax, Virginia
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COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
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Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

SCALE	VDOT PROJECT NO.	SHEET NO.
HORIZ: 1"=50' (0, 20', 50'); VERT: 1"=5' (0, 1, 2)	0495-029-419	5C AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darrell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

DTR Ramp EI

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

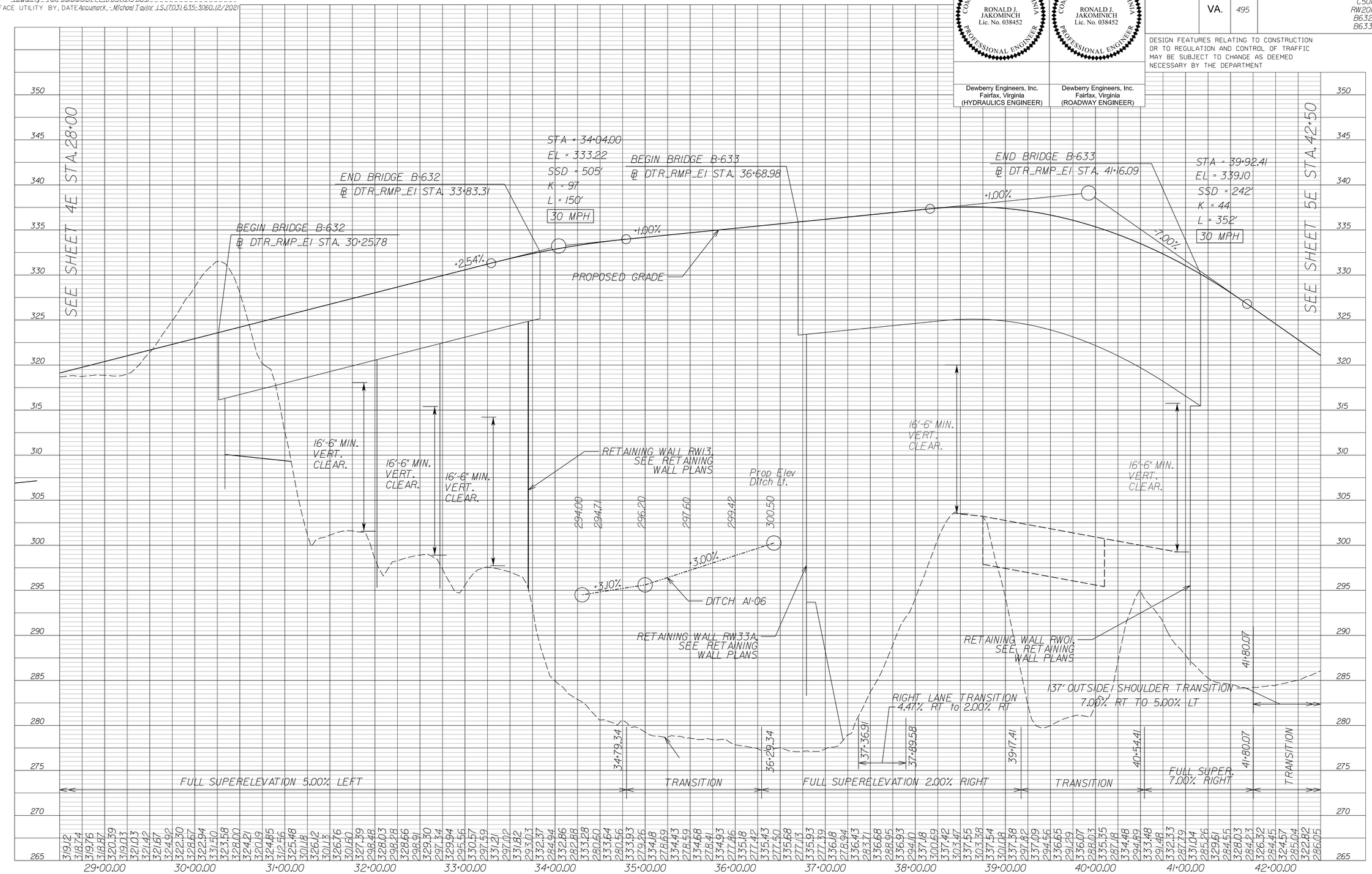
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201 B632 B633	5D AREA 1

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



SCALE HORIZ: 1"=50' 0 20' 50' VERT: 1"=5' 0 1 2

VDOT PROJECT NO. 0495-029-419

SHEET NO. 5D AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas, Kaugauli's, LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

DTR Ramp E1

RONALD J. JAKOMINICH
Lic. No. 038452
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PROFESSIONAL ENGINEER

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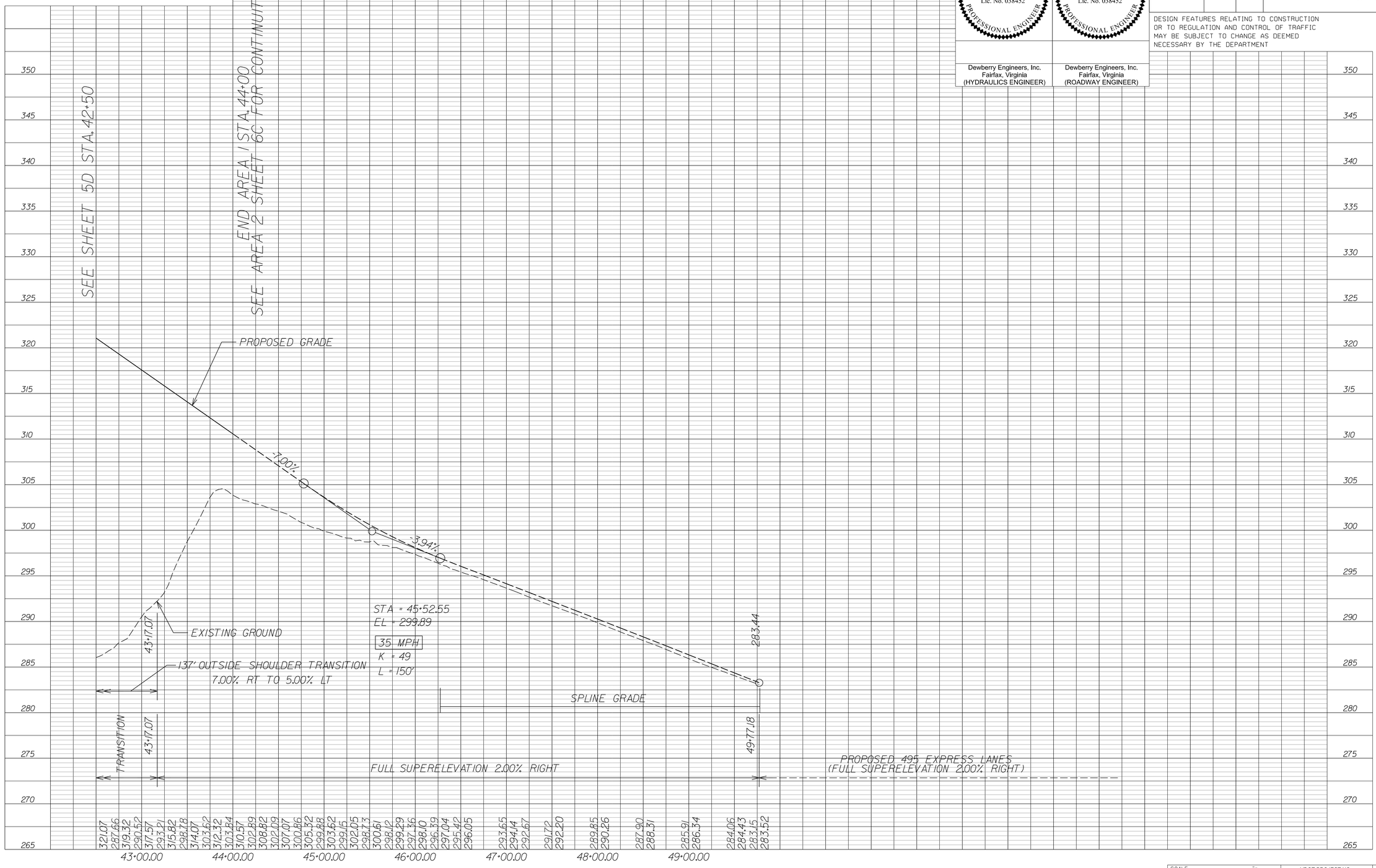
(ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5E AREA 1

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	VDOT PROJECT NO.	SHEET NO.
HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')	0495-029-419	5E AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

DTR Ramp E3

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5F AREA 1

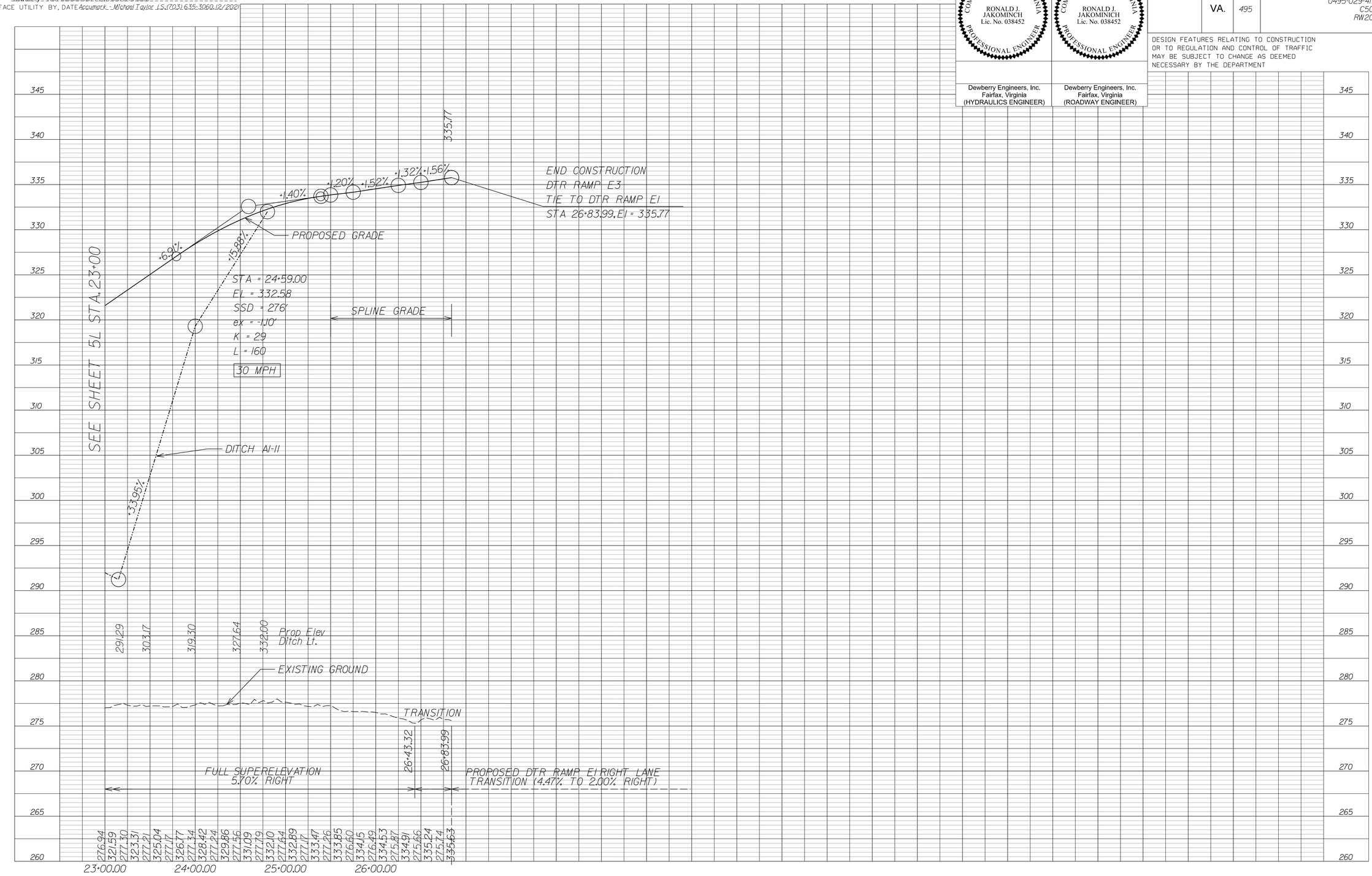
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1, 2)

VDOT PROJECT NO. 0495-029-419

SHEET NO. 5F AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_
SURVEYED BY, DATE _RDA_-_Nicholas. Kaugaulis, LS_(703) 334-0837_12/2021_
DESIGN BY _RDA_-_Darell Fischer, PE_(703) 334-0823_
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor, LS_(703) 635-3060_12/2021

DTR Ramp G10

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5G AREA 1

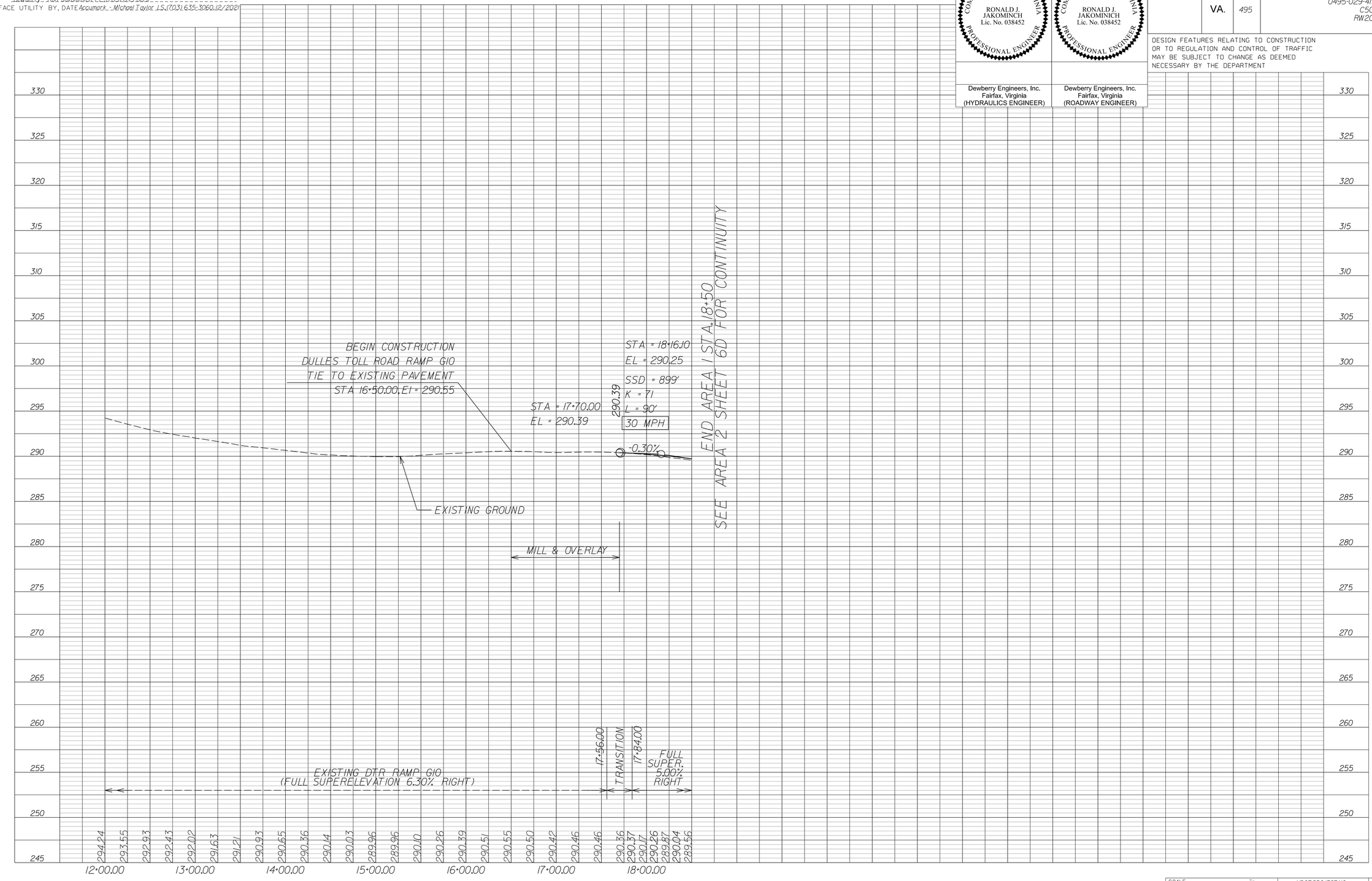
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



NOVA DISTRICT

12/16/2022

SCALE — HORIZ: 1"=50' (0, 20', 50') — VERT: 1"=5' (0, 1, 2)

VDOT PROJECT NO.	SHEET NO.
0495-029-419	5G AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauils LS_(703) 334-0837_12/2021
DESIGN BY _RDA_ - Darell Fischer_PE_(703) 334-0823
Dewberry - Ron Jakomiolch, PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Roadway Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

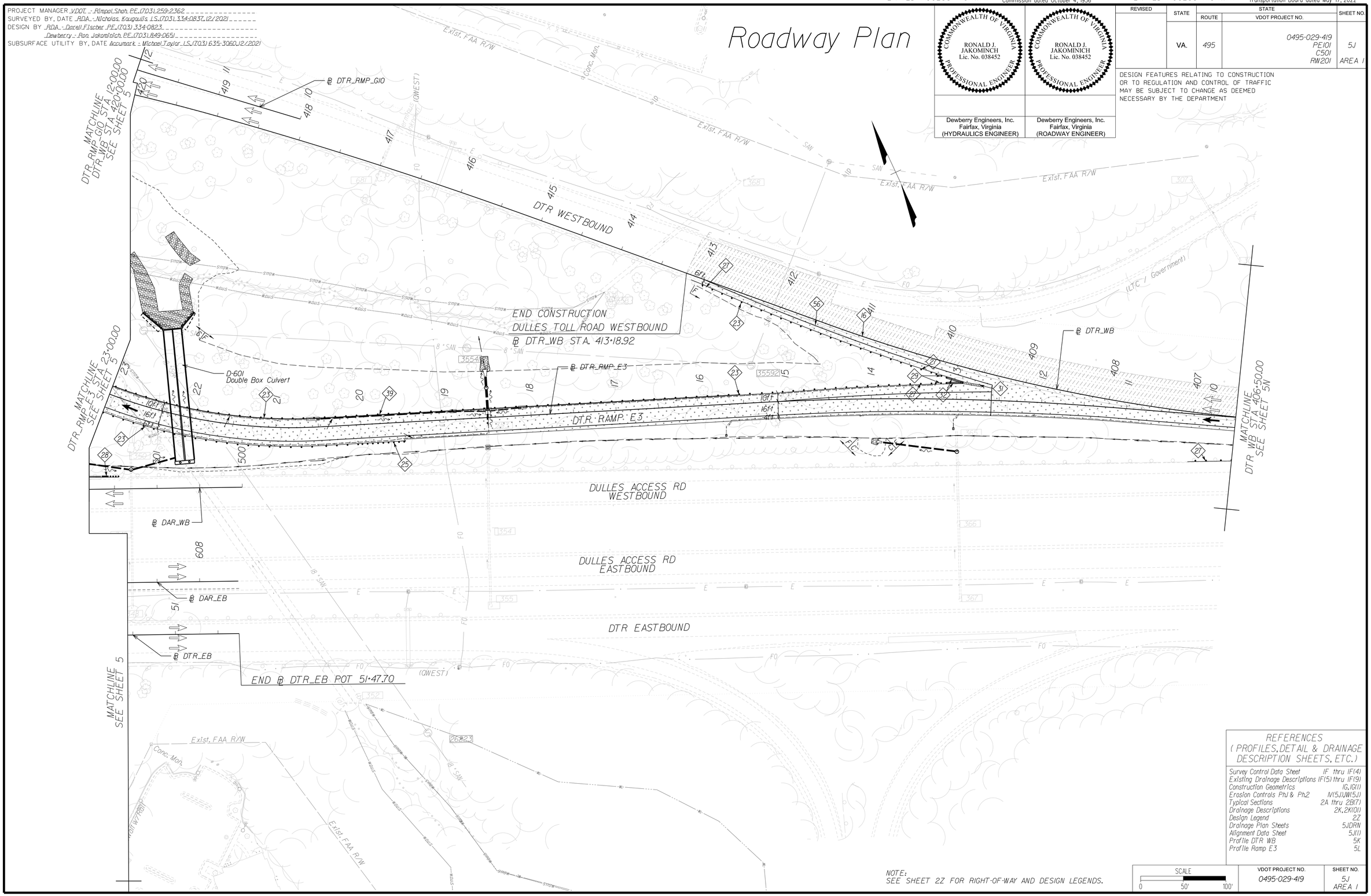
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	5J AREA 1

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

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	N(5J), N(5J)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K, 2K(01)
Design Legend	2Z
Drainage Plan Sheets	5JDRN
Alignment Data Sheet	5J(1)
Profile DTR WB	5K
Profile Ramp E3	5L

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	5J AREA 1

APPROVED FOR CONSTRUCTION

12/16/2022

50.0000 ft / In.

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 Jakomiolch, PE_(703) 849-0651_
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Drainage Plan

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201 D601	5JDRN AREA 1

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

MATCHLINE DTR_RMP_G10 STA 12+00.00 DTR_WB STA 420+00.00 SEE SHEET 5DRN

MATCHLINE DTR_RMP_E3 STA 23+00.00 SEE SHEET 5DRN

MATCHLINE DTR_WB STA 406+50.00 SEE SHEET 5NDRN

MATCHLINE SEE SHEET 5DRN

℄ DTR_RMP_G10

℄ DTR_WB

℄ DTR_RMP_E3

℄ DAR_WB

℄ DAR_EB

℄ DTR_EB

END CONSTRUCTION DULLES TOLL ROAD WESTBOUND ℄ DTR_WB STA. 413+18.92

END ℄ DTR_EB POT 51+47.70

DTR WESTBOUND

DTR RAMP E3

DULLES ACCESS RD WESTBOUND

DULLES ACCESS RD EASTBOUND

DTR EASTBOUND

(LTC / Government)

RIP-RAP CLASS I

Channel AI-3

D-601 Double Box Culvert

Ditch AI-5

Ditch AI-8

Ditch AI-9

Ditch AI-10

5J-02 5J-02A 5J-03 5J-04 5J-05 5J-06 5J-09 5J-11 5J-12 5J-15 5J-16 5J-17 5J-18

Exist. FAA R/W

Conc. Mon.

(QWEST)

(LTC / Government)

Rolling Road

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	IV(5J),IW(5J)
Typical Sections	2A thru 2B(7)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K,2K(01)
Design Legend	2Z
Roadway Plan Sheet	5J
Alignment Data Sheet	5J(1)
Profile DTR WB	5K
Profile Ramp E3	5L

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	5JDRN AREA 1

NOVA DISTRICT

12/16/2022

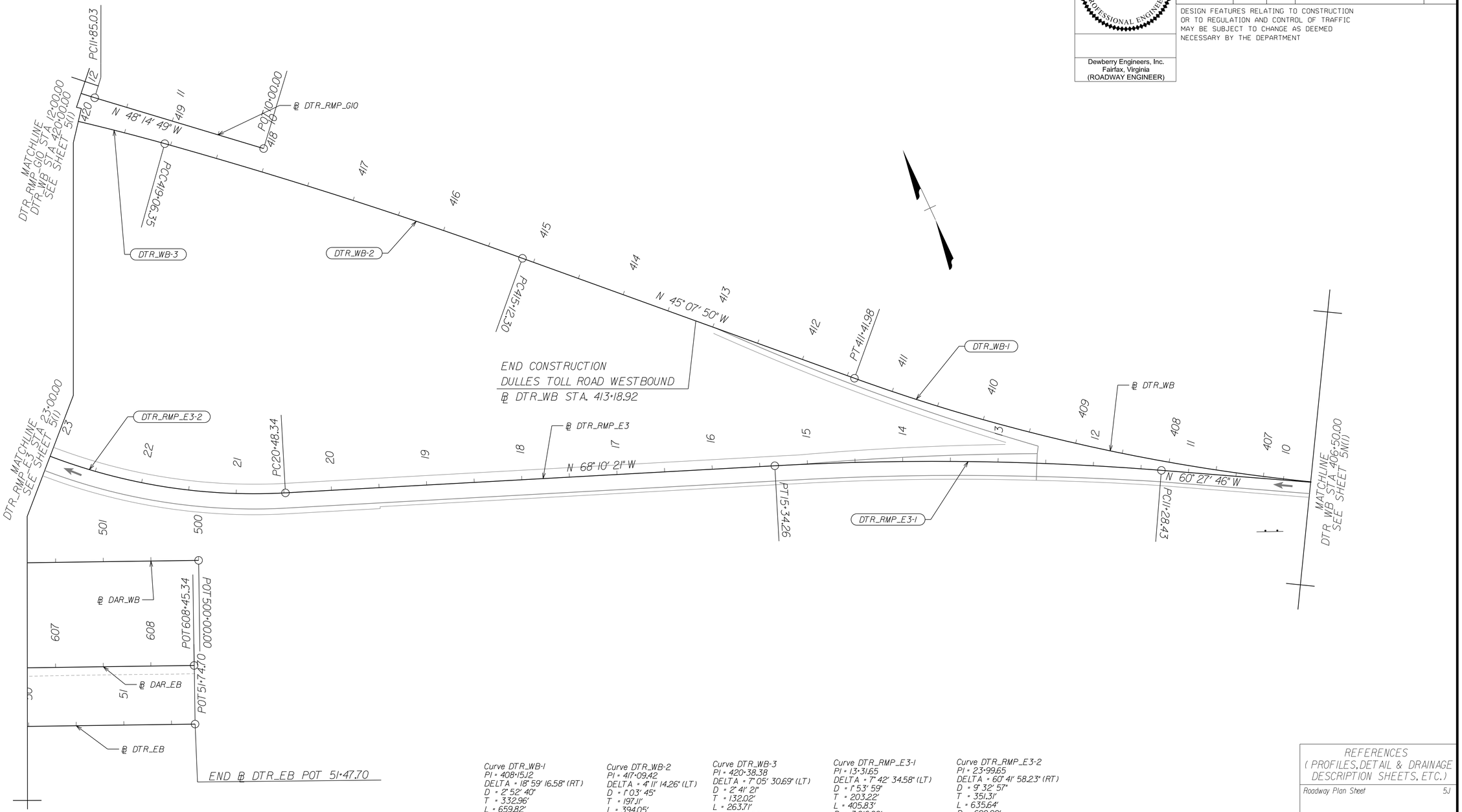
APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal 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 Jakomiolch, PE_(703) 849-0651)_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

Alignment Data



NOVA DISTRICT

Curve DTR_WB-1
PI = 408+15.12
DELTA = 18° 59' 16.58" (RT)
D = 2° 52' 40"
T = 332.96'
L = 659.82'
R = 1,991.00'
PC = 404+82.16
PT = 411+41.98
DESIGN SPEED = 60 MPH
e = EXIST

Curve DTR_WB-2
PI = 417+09.42
DELTA = 4° 11' 14.26" (LT)
D = 1° 03' 45"
T = 197.11'
L = 394.05'
R = 5,391.93'
PC = 415+12.30
PCC = 419+06.35
FOR INFORMATION ONLY

Curve DTR_WB-3
PI = 420+38.38
DELTA = 7° 05' 30.69" (LT)
D = 2° 41' 21"
T = 132.02'
L = 263.71'
R = 2,130.52'
PCC = 419+06.35
PT = 421+70.06
FOR INFORMATION ONLY

Curve DTR_RMP_E3-1
PI = 13+31.65
DELTA = 7° 42' 34.58" (LT)
D = 1° 53' 59"
T = 203.22'
L = 405.83'
R = 3,016.00'
PC = 11+28.43
PT = 15+34.26
DESIGN SPEED = 50 MPH
e = 3.7%
Lr = 104'

Curve DTR_RMP_E3-2
PI = 23+99.65
DELTA = 60° 41' 58.23" (RT)
D = 9° 32' 57"
T = 351.31'
L = 635.64'
R = 600.00'
PC = 20+48.34
PT = 26+83.99
DESIGN SPEED = 30 MPH
e = 5.70%
Lr = 122'

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

Roadway Plan Sheet 5J

REVISED	STATE	ROUTE	VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5J(1) AREA 1

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

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

SCALE 0 50' 100'

VDOT PROJECT NO.	SHEET NO.
0495-029-419	5J(1) AREA 1

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022
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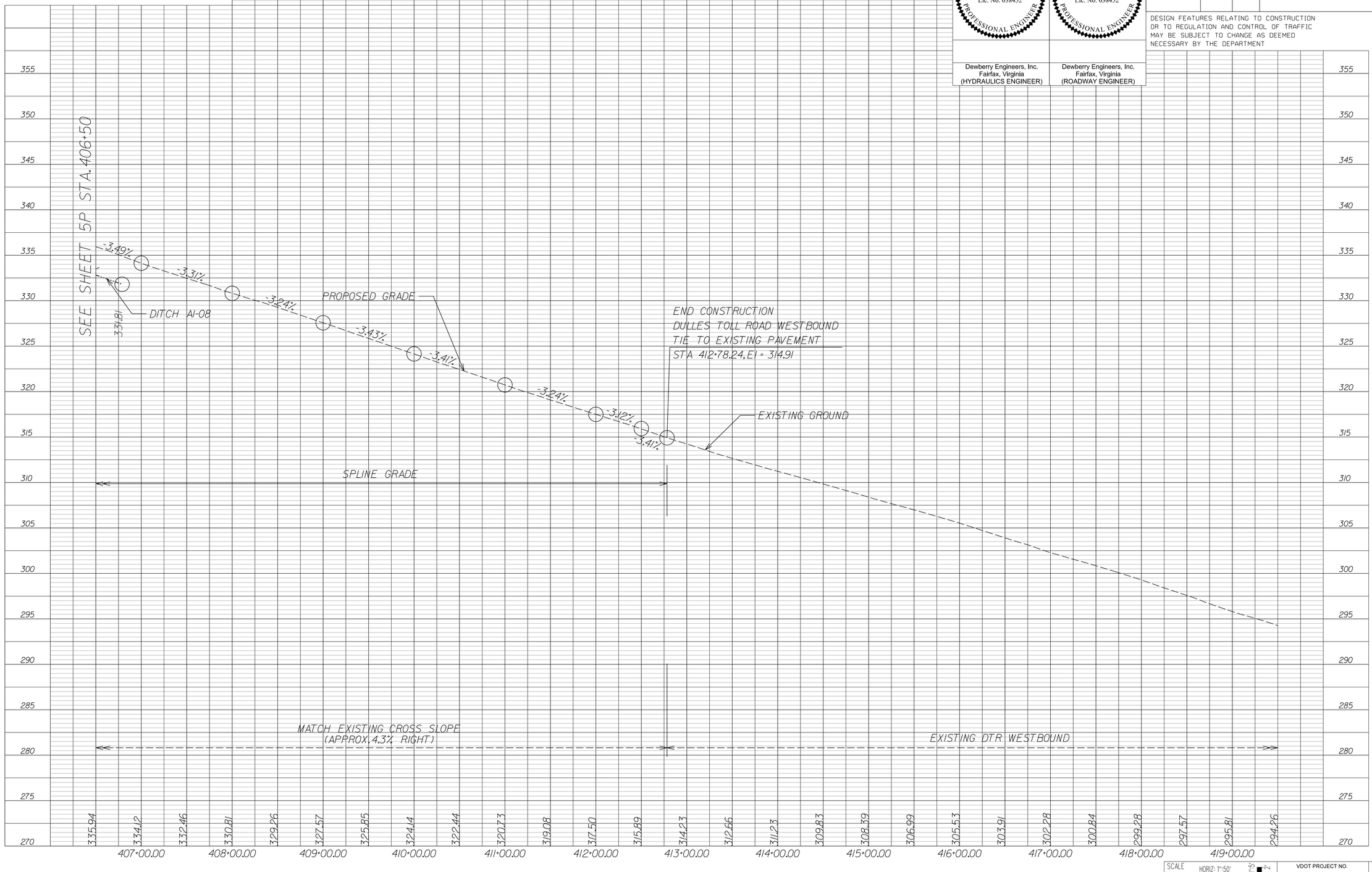
Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY RDA - Darell 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

Dulles Toll Road Westbound



REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5K AREA I

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

SCALE HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1, 2)

VDOT PROJECT NO. 0495-029-419

SHEET NO. 5K AREA I

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER: VDOT - Rimpal Shah, PE, (703) 259-2362
SURVEYED BY, DATE: RDA - Nicholas Kaugauli's LS, (703) 334-0837, 12/2021
DESIGN BY: RDA - Darell Fischer PE, (703) 334-0823
Dewberry - Ron Jakomiich, PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE: Accumark - Michael Taylor LS, (703) 635-3060, 12/2021

DTR Ramp E3

REVISED	STATE	STATE ROUTE	STATE PROJECT	STATE SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5L AREA 1

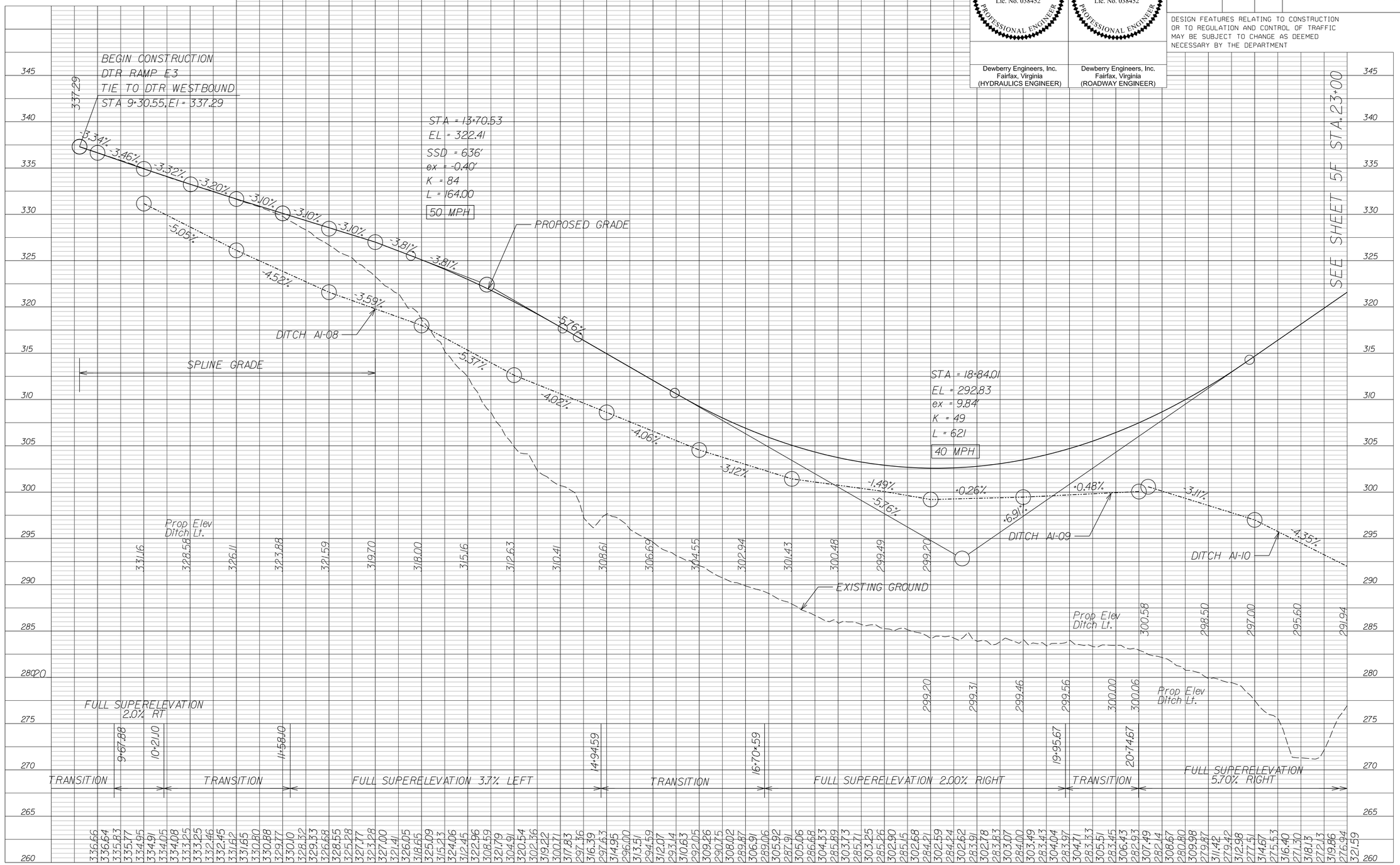
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH Lic. No. 038452 — PROFESSIONAL ENGINEER

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



SCALE: HORIZ: 1"=50' (0, 20', 50'); VERT: 1"=5' (1, 2)

VDOT PROJECT NO.	SHEET NO.
0495-029-419	5L AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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DESIGN BY _RDA_ - Darell 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

Roadway Plan

RONALD J. JAKOMINICH
Lic. No. 038452
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

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

RONALD J. JAKOMINICH
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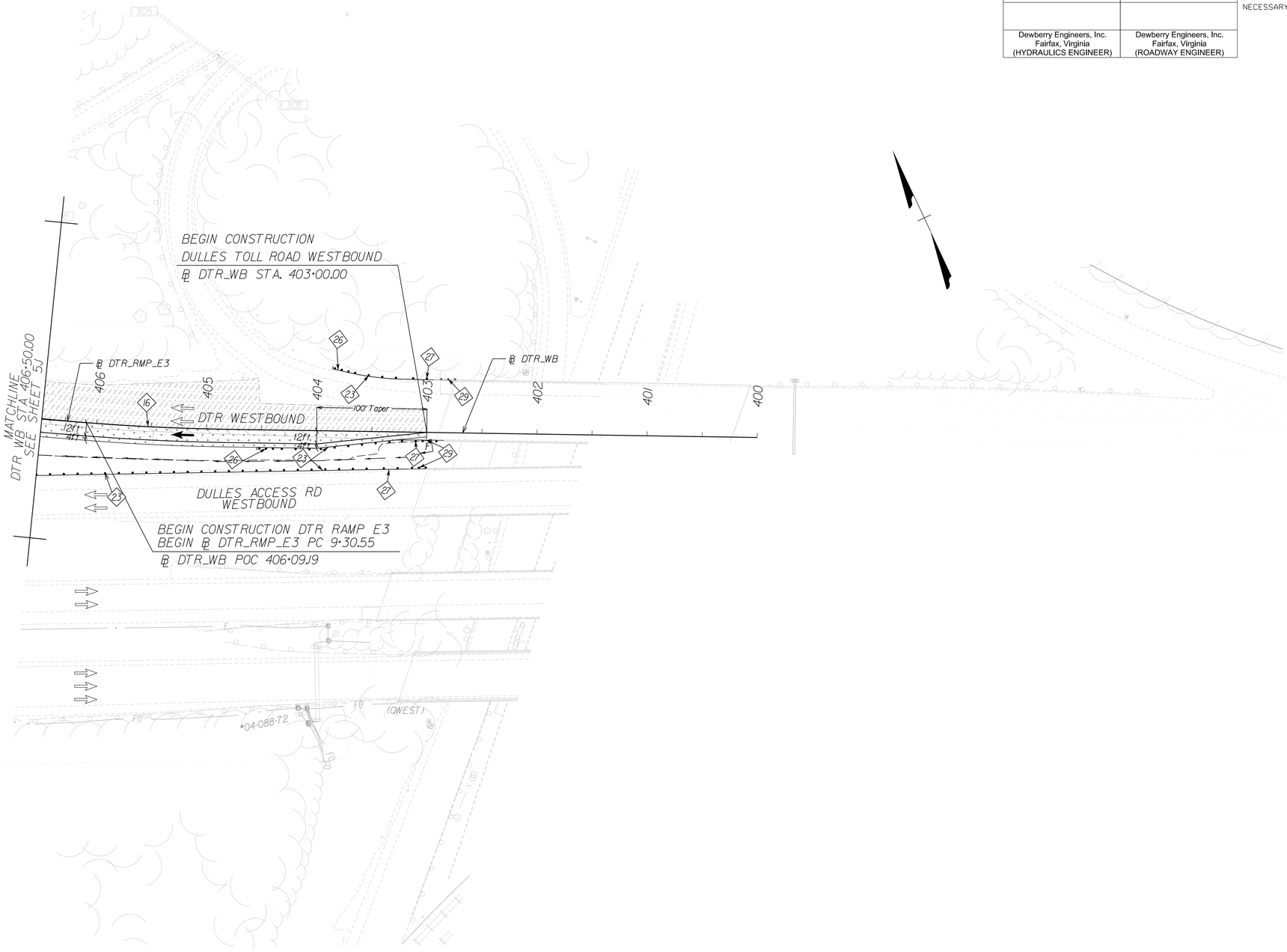
Dewberry Engineers, Inc.
Fairfax, Virginia
(ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5N AREA 1

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.)

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	N(5N),W(5N)
Typical Sections	2A thru 2B(7)
Drainage Descriptions	2K,2K(01)
Design Legend	2Z
Drainage Plan Sheets	5NDRN
Alignment Data Sheet	5N(1)
Profile DTR WB	5P

NOTE:
SEE SHEET 2Z FOR RIGHT-OF-WAY AND DESIGN LEGENDS.

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	5N AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

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DESIGN BY _RDA_-_Darrell Fischer_PE_(703) 334-0823_____
Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor_LS_(703) 635-3060_12/2021

Drainage Plan

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

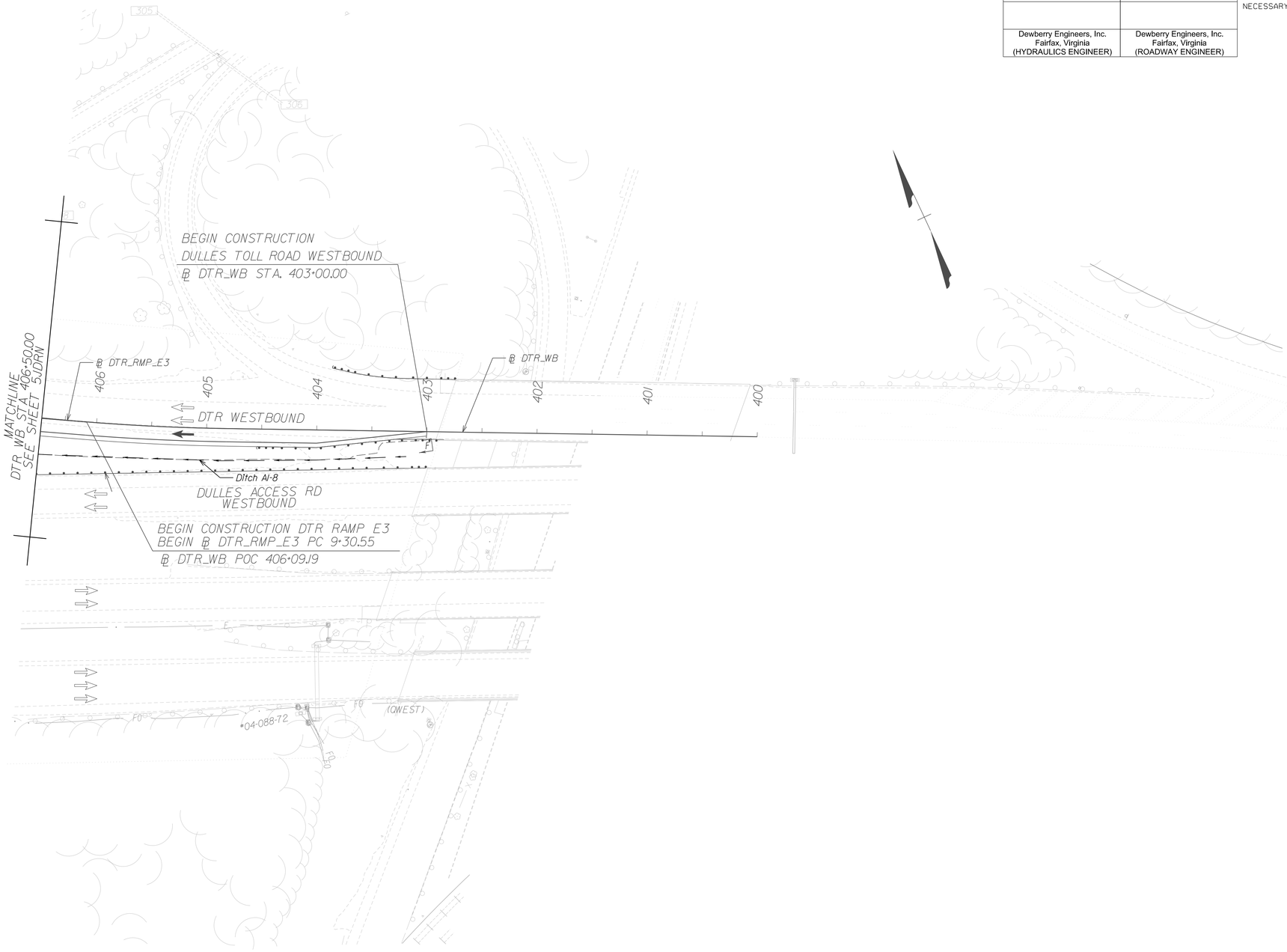
Dewberry Engineers, Inc. Fairfax, Virginia (HYDRAULICS ENGINEER)

COMMONWEALTH OF VIRGINIA — RONALD J. JAKOMINICH — Lic. No. 038452 — PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	5NDRN AREA 1

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

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	IG,G(1)
Erosion Controls Ph1 & Ph2	N(5N)W(5N)
Typical Sections	2A thru 2B(7)
Ditch Lining Typical Sections	2J
Drainage Descriptions	2K,2K(01)
Design Legend	2Z
Roadway Plan Sheet	5N
Alignment Data Sheet	5N(1)
Profile DTR WB	5P

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	5NDRN AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

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SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's 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

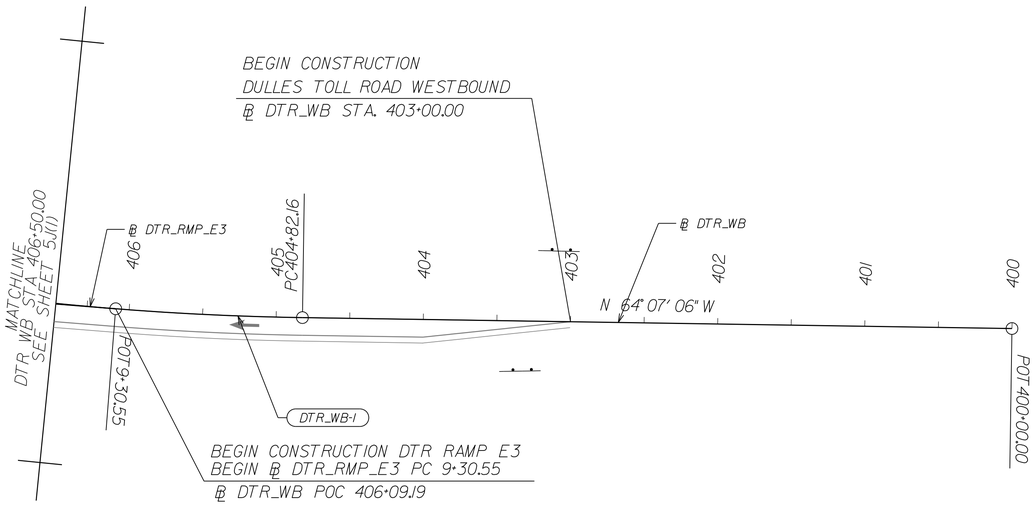
Alignment Data

COMMONWEALTH OF VIRGINIA
RONALD J. JAKOMINICH
Lic. No. 038452
PROFESSIONAL ENGINEER

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

REVISED	STATE	STATE ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	495	0495-029-419 C501 RW201	5N(1) AREA 1

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



Curve DTR_WB-1
PI = 408+15.12
DELTA = 18° 59' 16.58" (RT)
D = 2° 52' 40"
T = 332.96'
L = 659.82'
R = 1,991.00'
PC = 404+82.16
PT = 411+41.98
DESIGN SPEED = 60 MPH
e = EXIST

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

Roadway Plan Sheet	5N

SCALE	VDOT PROJECT NO.	SHEET NO.
0 50' 100'	0495-029-419	5N(1) AREA 1

NOVA DISTRICT

12/16/2022

APPROVED FOR CONSTRUCTION

12/16/2022
2:10:31 PM
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Plotted By: dchakansky

LIMITED ACCESS HIGHWAY — By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY — By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_-_Rimpal Shah, PE_(703) 259-2362_____
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Dewberry-_Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_-_Michael Taylor LS_(703) 635-3060_12/2021

Dulles Toll Road Westbound

RONALD J. JAKOMINICH Lic. No. 038452 — COMMONWEALTH OF VIRGINIA — PROFESSIONAL ENGINEER

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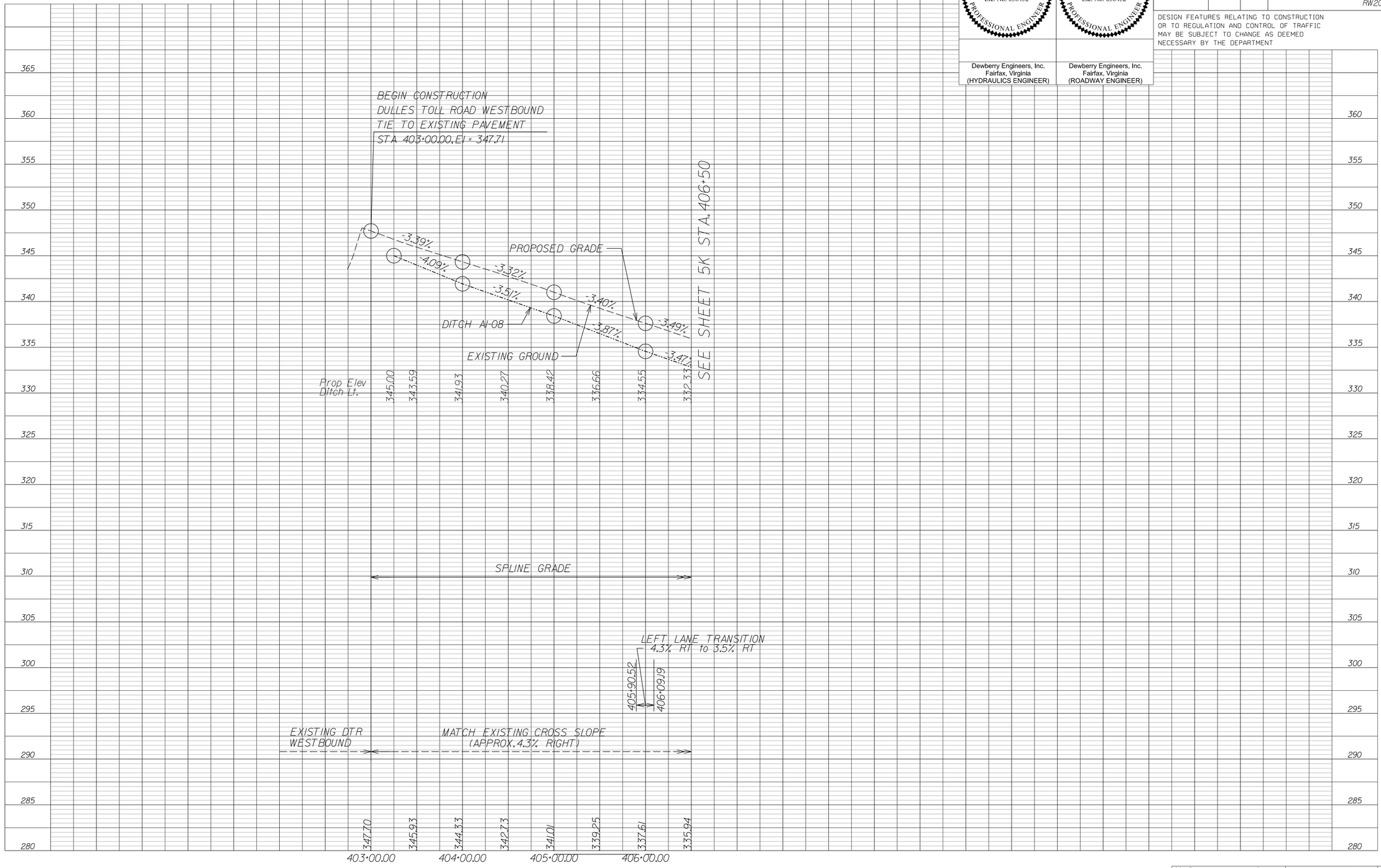
Dewberry Engineers, Inc. Fairfax, Virginia (ROADWAY ENGINEER)

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419 PE101 C501 RW201	5P AREA 1

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	VDOT PROJECT NO.	SHEET NO.
HORIZ: 1"=50' (0, 20', 50') VERT: 1"=5' (0, 1', 2')	0495-029-419	5P AREA 1

APPROVED FOR CONSTRUCTION

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER _VDOT_ - Rimpal Shah, PE_(703) 259-2362 _____
SURVEYED BY, DATE _RDA_ - Nicholas. Kaugauli's LS_(703) 334-0837_12/2021 _____
DESIGN BY _RDA_ - Darell Fischer_PE_(703) 334-0823_____
Dewberry - Ron Jakomiolch, PE_(703) 849-0651_____
SUBSURFACE UTILITY BY, DATE _Accumark_ - Michael Taylor_LS_(703) 635-3060_12/2021

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

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

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

I-495 EXPRESS LANES (NEXT)
AREA I

Cross Section Sheet Index

NOVA DISTRICT

12/16/2022

	VDOT PROJECT NO.	SHEET NO.
	0495-029-419	XI AREA I

APPROVED FOR CONSTRUCTION

12/16/2022
10:40:25 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA. - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837, 1/2019

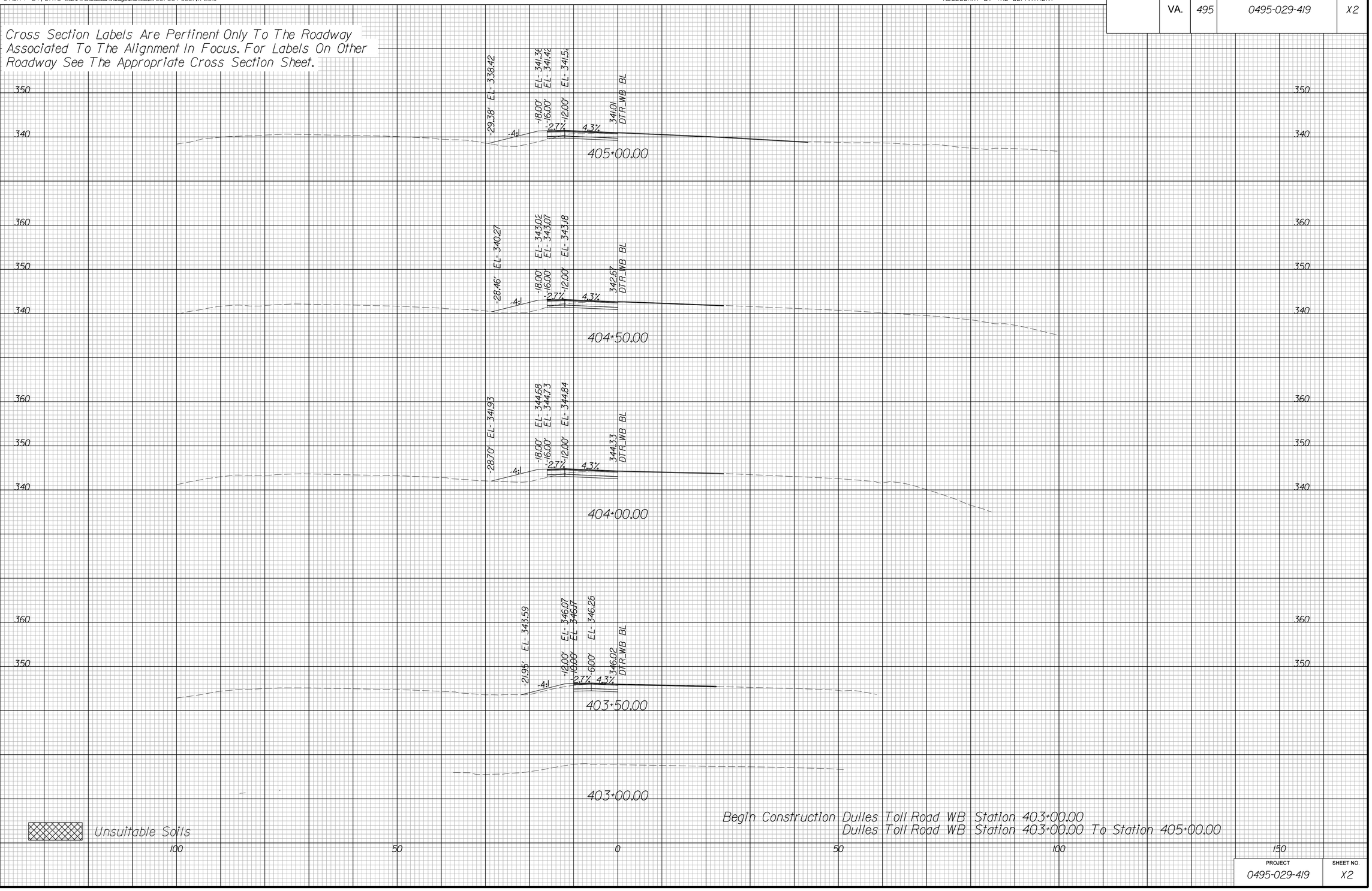
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	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.



Unsuitable Soils

Begin Construction Dulles Toll Road WB Station 403+00.00
Dulles Toll Road WB Station 403+00.00 To Station 405+00.00

PROJECT	SHEET NO.
0495-029-419	X2

12/16/2022

12/16/2022
10:40:28 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

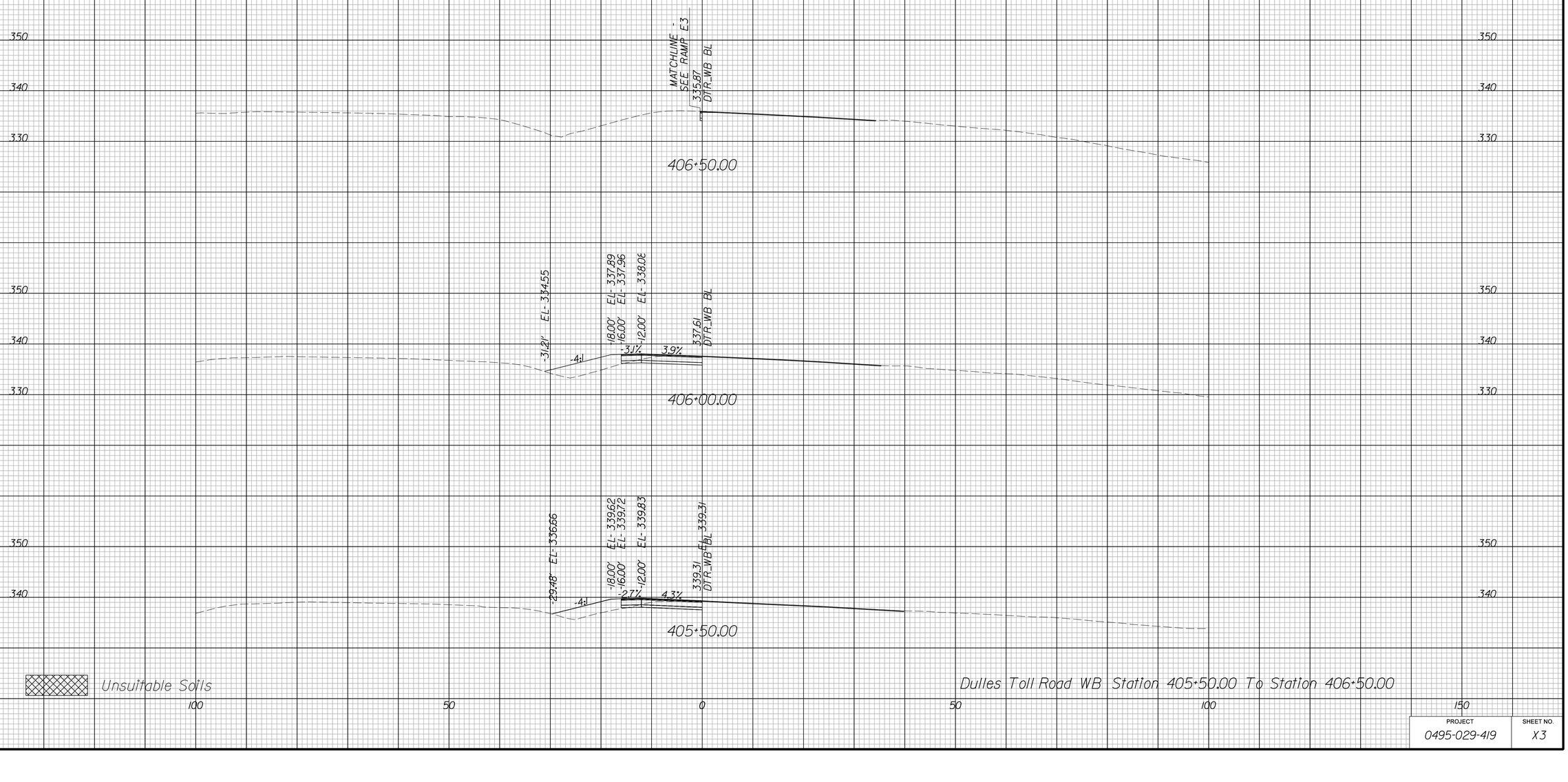
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X3

12/16/2022

12/16/2022

10:40:30 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823

SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651

SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

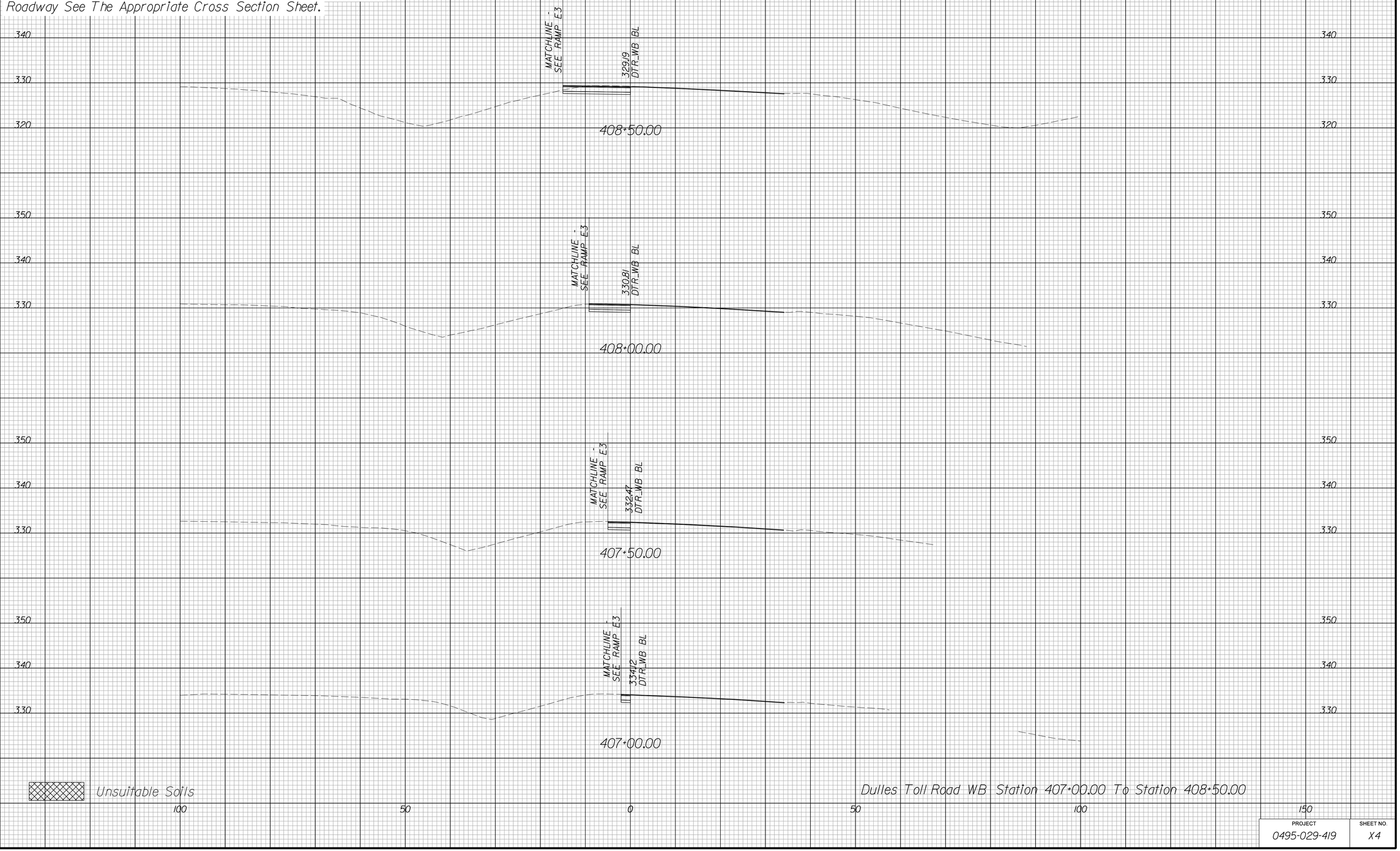
CROSS SECTIONS

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	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.



Dulles Toll Road WB Station 407+00.00 To Station 408+50.00

PROJECT	SHEET NO.
0495-029-419	X4

12/16/2022

12/16/2022
10:40:32 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Fischer, PE. (703) 334-0823
SURVEYED BY, DATE BDA. - Nicholas Kougoulis, LS. (703) 334-0837, 1/2019
DESIGN BY BDA. - Rick Delong, PE. (571) 719-6471 Dewberry - Ron Jakominich PE. (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas Kougoulis, LS. (703) 334-0837, 1/2019

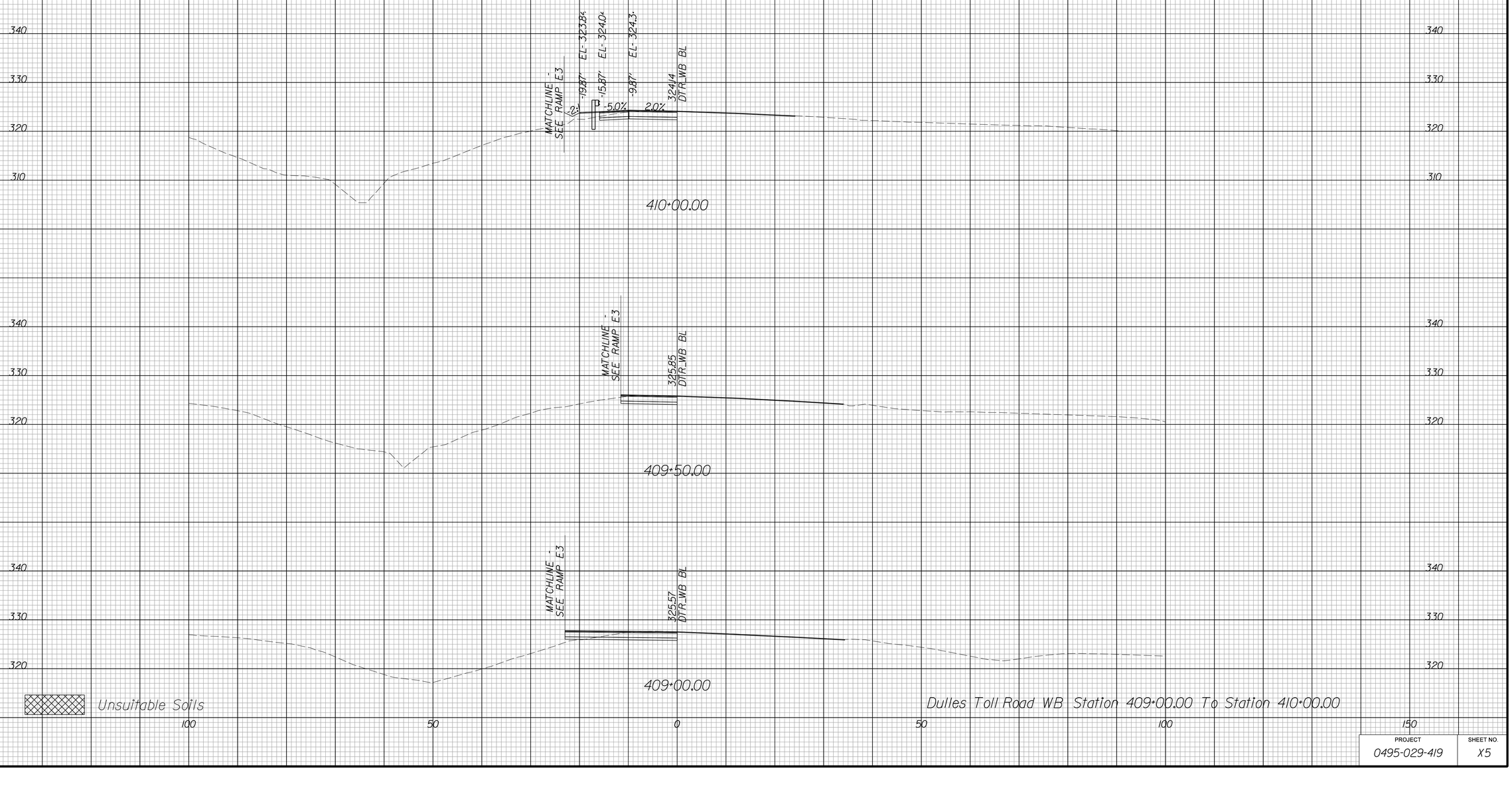
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X5

12/16/2022

12/16/2022
10:40:34 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

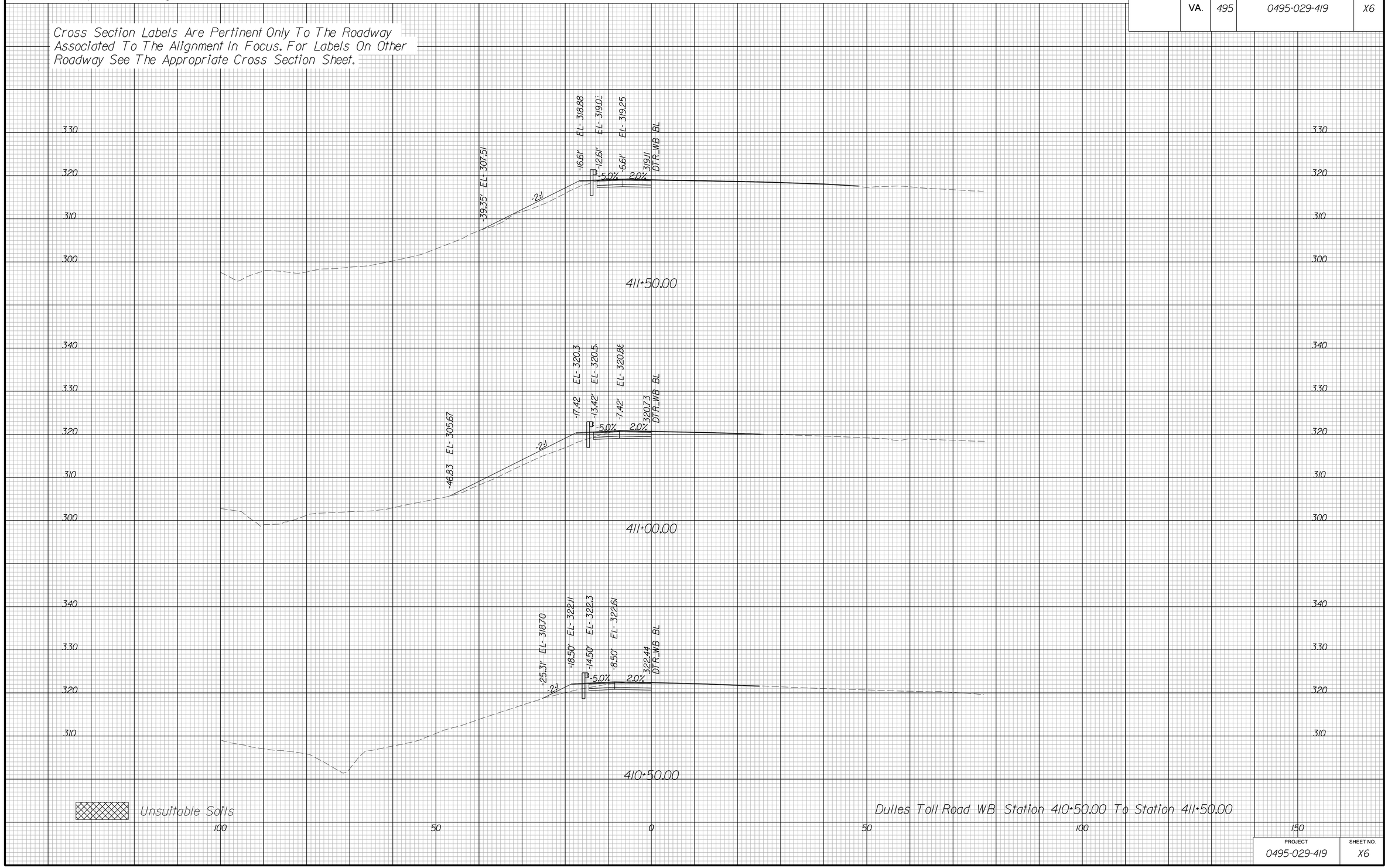
CROSS SECTIONS

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 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.



Unsuitable Soils

Dulles Toll Road WB Station 410+50.00 To Station 411+50.00

PROJECT	SHEET NO.
0495-029-419	X6

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elscher PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

CROSS SECTIONS

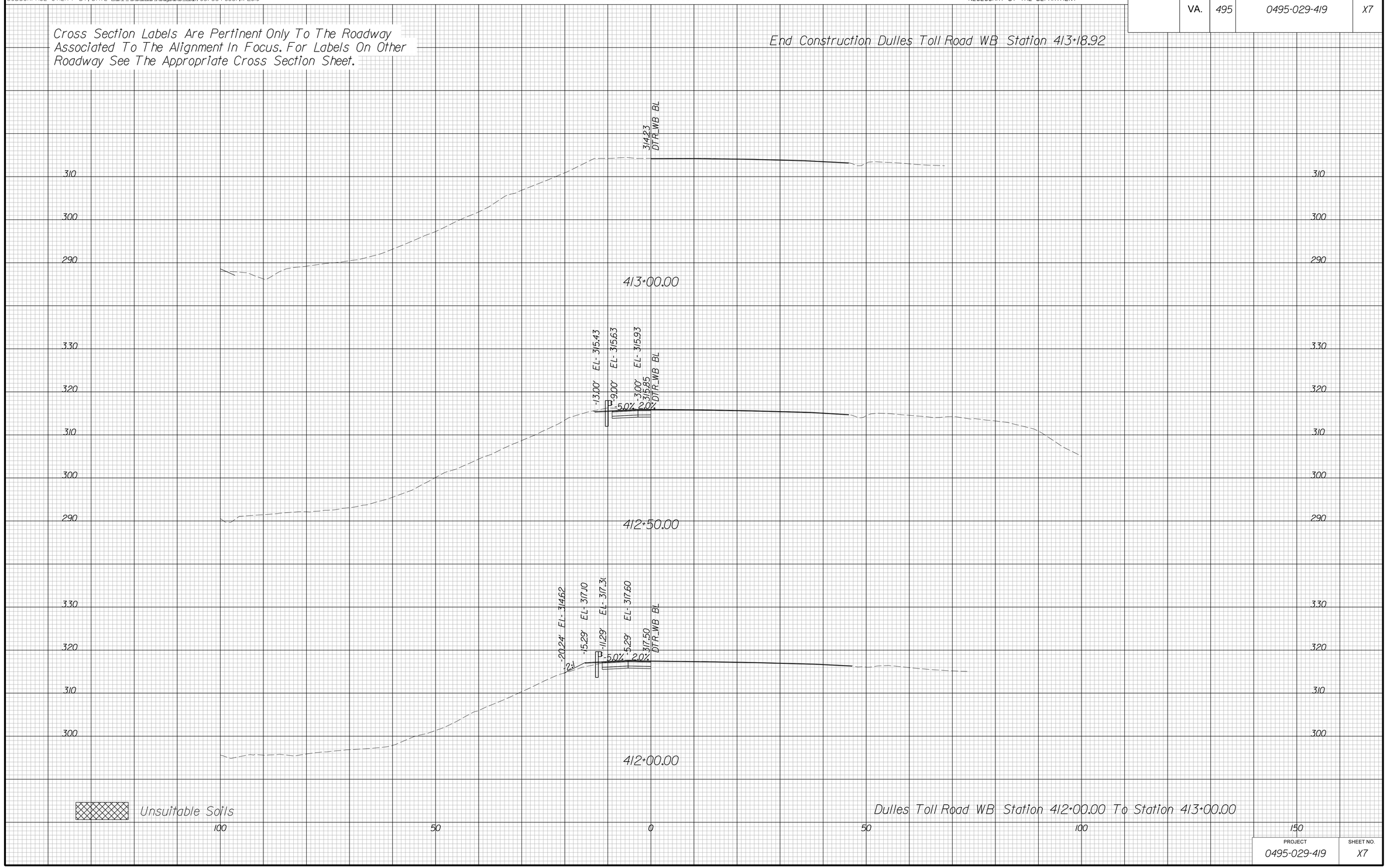
SCALE 1 IN. = 10 FT

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 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.

End Construction Dulles Toll Road WB Station 413+18.92



Dulles Toll Road WB Station 412+00.00 To Station 413+00.00

PROJECT	SHEET NO.
0495-029-419	X7

12/16/2022
10:40:40 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

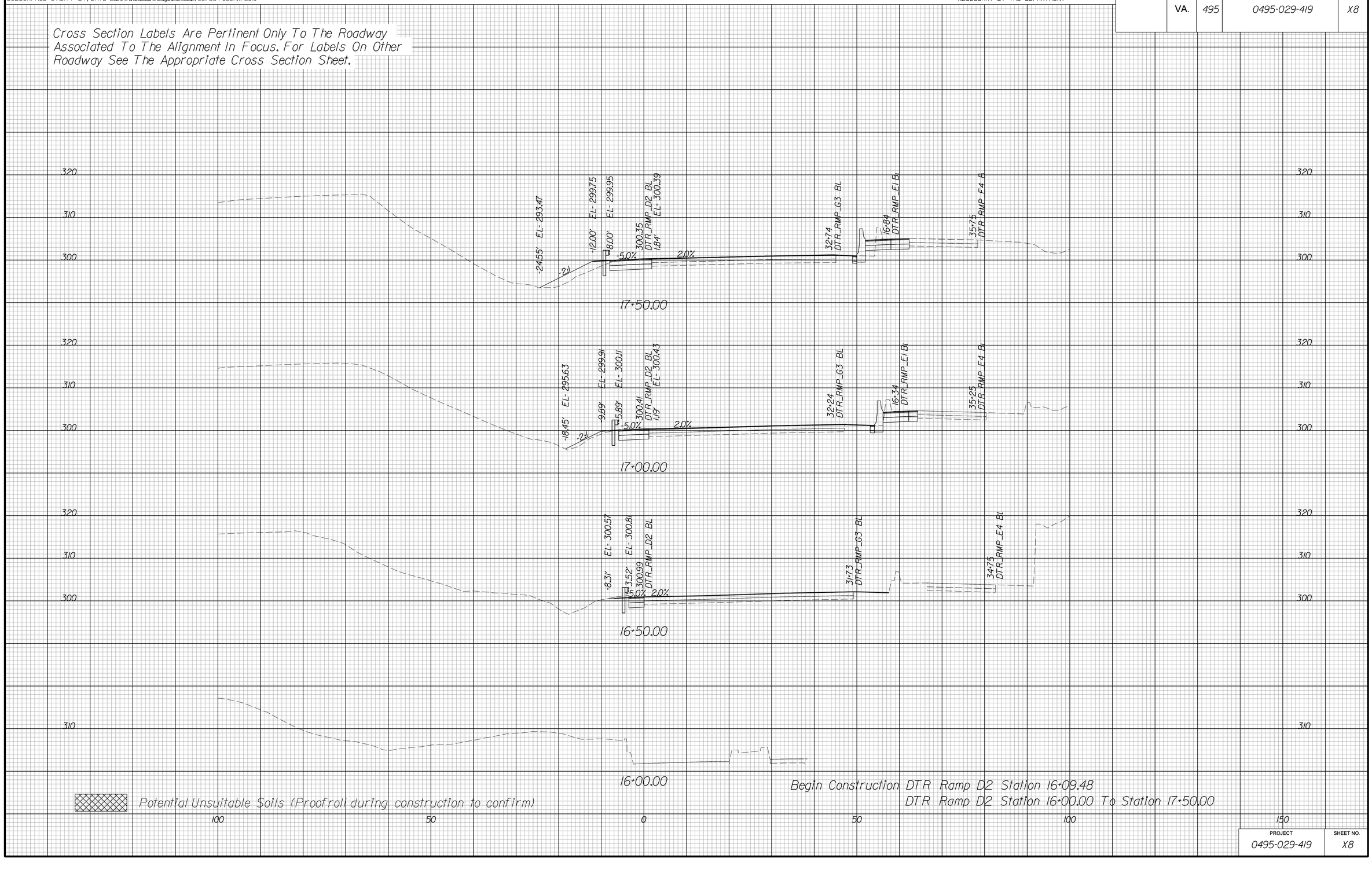
CROSS SECTIONS

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 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.



Begin Construction DTR Ramp D2 Station 16+09.48
DTR Ramp D2 Station 16+00.00 To Station 17+50.00

PROJECT	SHEET NO.
0495-029-419	X8

12/16/2022

12/16/2022

10:40:42 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher PE (703) 334-0823

SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651

SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

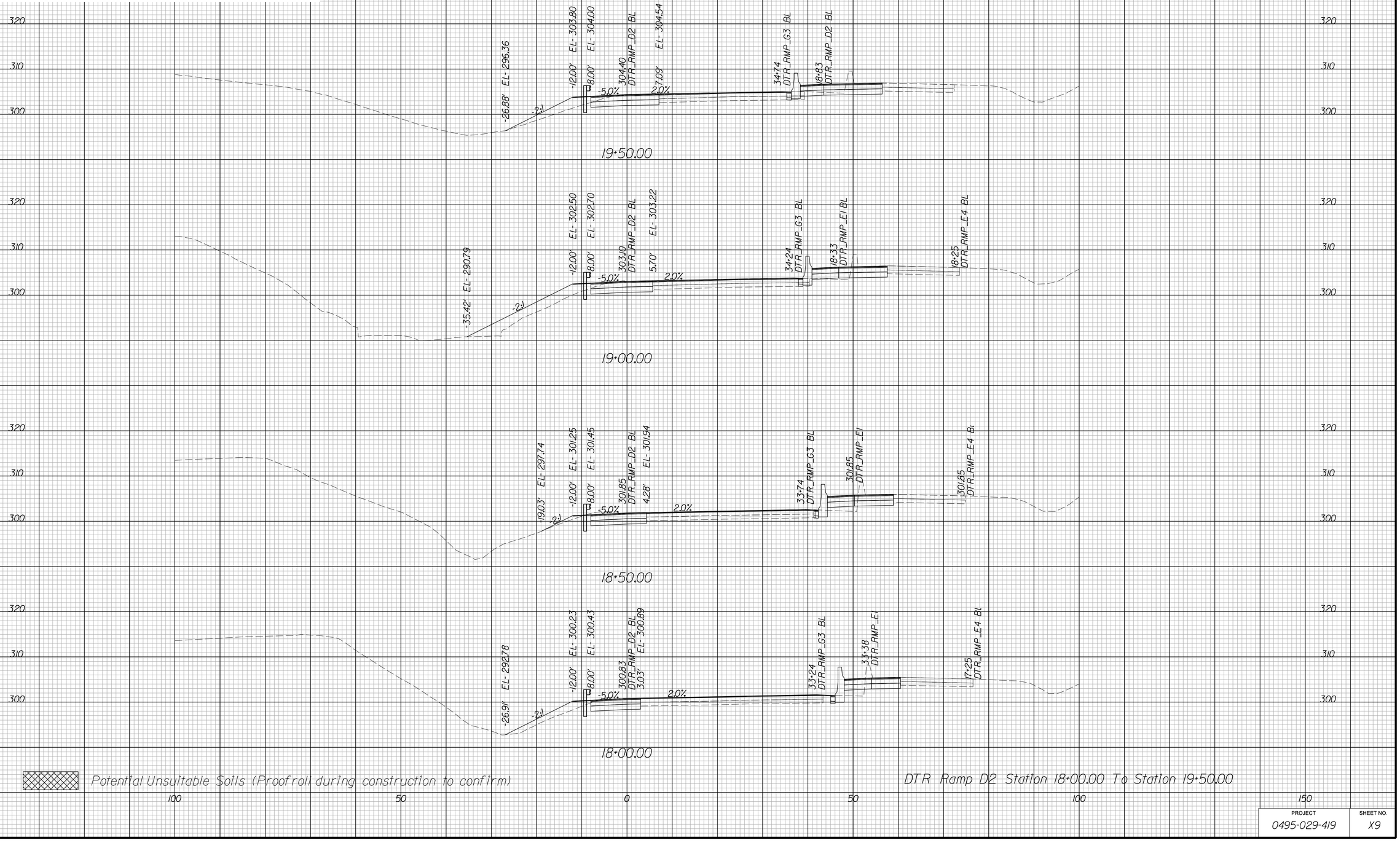
CROSS SECTIONS

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 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)

DTR Ramp D2 Station 18+00.00 To Station 19+50.00

PROJECT	SHEET NO.
0495-029-419	X9

12/16/2022

12/16/2022
10:40:44 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019

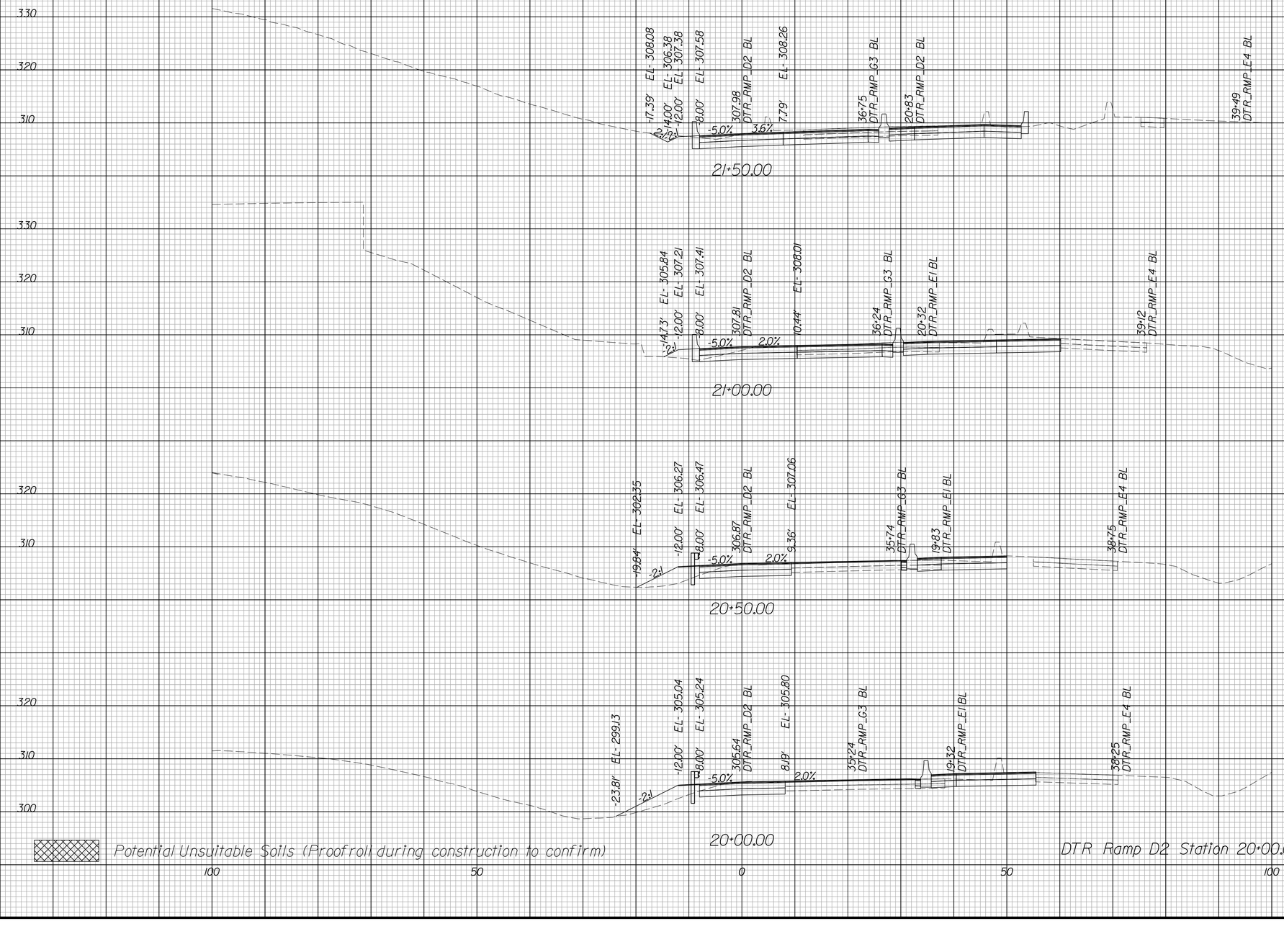
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp D2 Station 20+00.00 To Station 21+50.00

PROJECT	SHEET NO.
0495-029-419	X10

12/16/2022

12/16/2022
10:40:46 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elscher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA. - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_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	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.

330
320
310
340

EL- 309.88
EL- 310.38
11.00'
16.00'
EL- 307.72
8.00'
308.30
DTR_RMP_D2_BL
0.95'
EL- 308.37
7.3%
7.3%
38-31
DTR_RMP_G3_BL
22-41
DTR_RMP_E1_BL

23+00.00

EL- 307.35
8.00'
307.93
DTR_RMP_D2_BL
2.72'
EL- 308.13
7.3%
7.3%
37-78
DTR_RMP_G3_BL
21-88
DTR_RMP_E1_BL

22+50.00

EL- 307.34
8.00'
307.81
DTR_RMP_D2_BL
EL- 308.12
-5.9%
-5.9%
5.11'
37-25
DTR_RMP_G3_BL
21-34
DTR_RMP_E1_BL

22+00.00

Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp D2 Station 22+00.00 To Station 23+00.00

100 50 0 50 100 150

PROJECT	SHEET NO.
0495-029-419	XII

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsher PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron 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 ROUTE	STATE PROJECT	SHEET NO.
	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.

Potential Unsuitable Soils (Proofroll during construction to confirm)

23+49.57

DTR Ramp D2 Station 23+49.57 To Station 23+49.57

PROJECT	SHEET NO.
0495-029-419	X12

12/16/2022
10:40:52 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elscher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA. - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

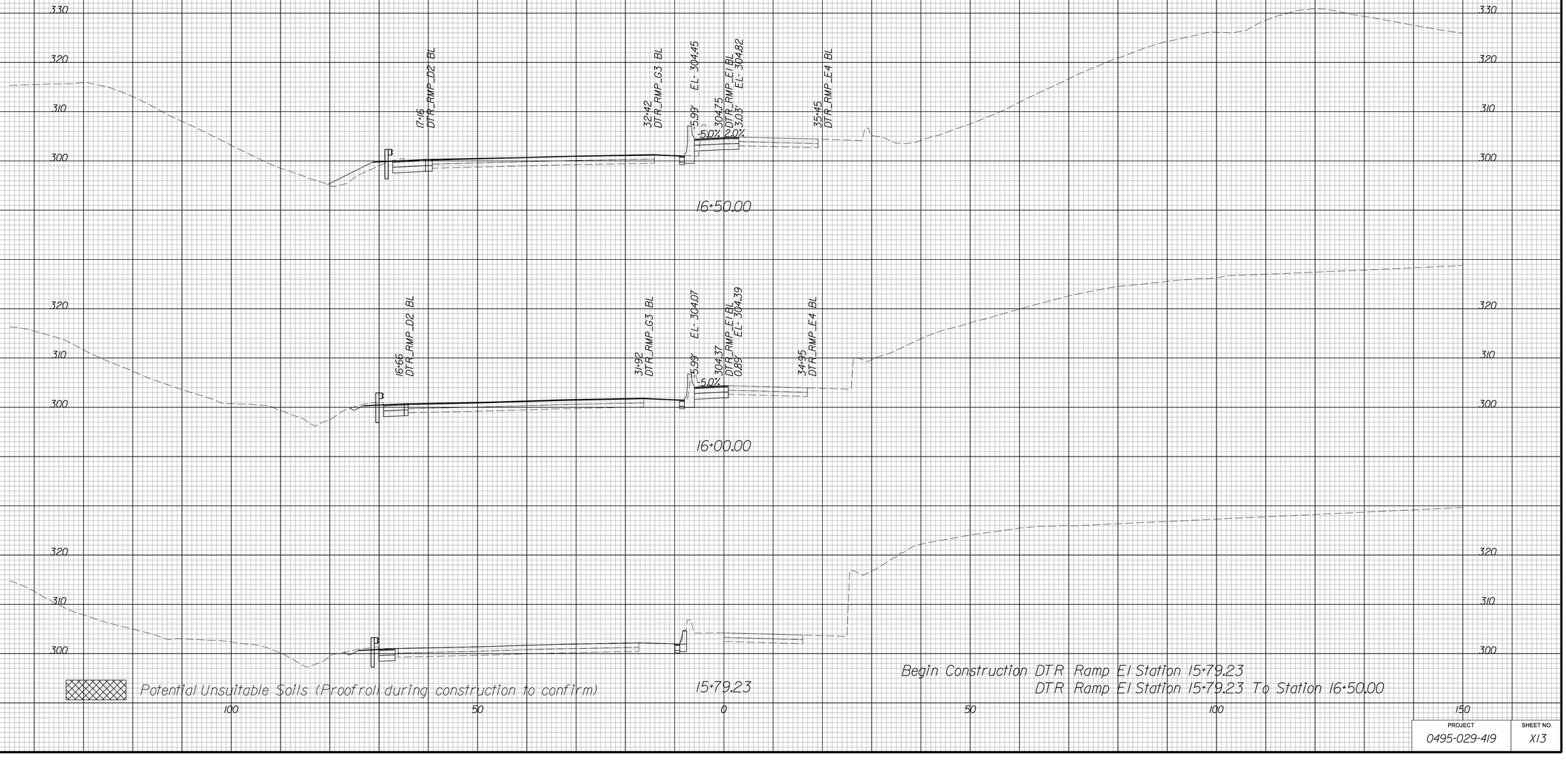
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

Begin Construction DTR Ramp E1 Station 15+79.23
DTR Ramp E1 Station 15+79.23 To Station 16+50.00

PROJECT	SHEET NO.
0495-029-419	X13

12/16/2022

12/16/2022
10:40:56 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

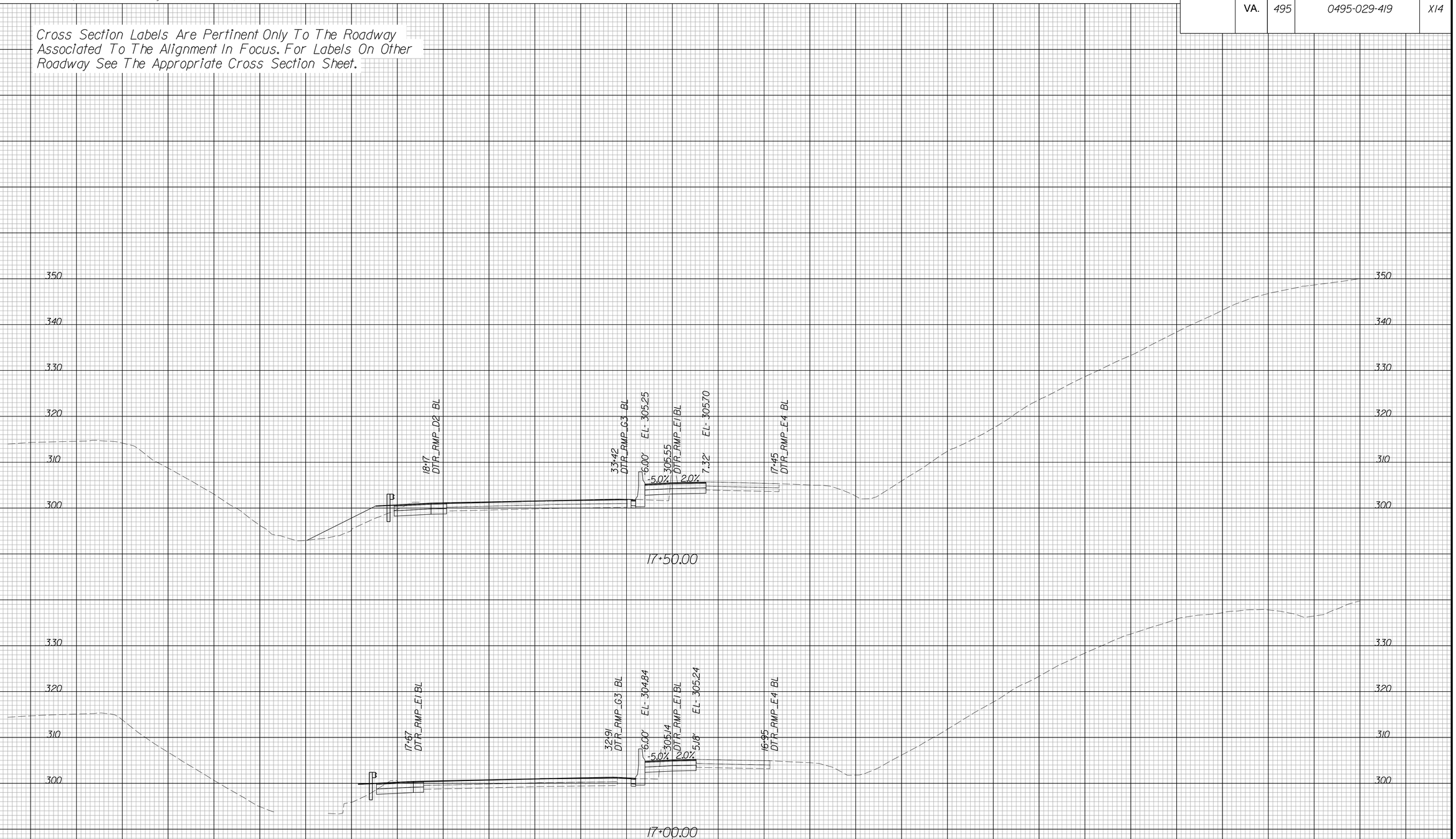
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp E1 Station 17+00.00 To Station 17+50.00

PROJECT	SHEET NO.
0495-029-419	X14

12/16/2022

12/16/2022
10:40:59 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elscher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA. - Nicholas Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA. - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas Kougoulis_LS_(703) 334-0837_1/2019

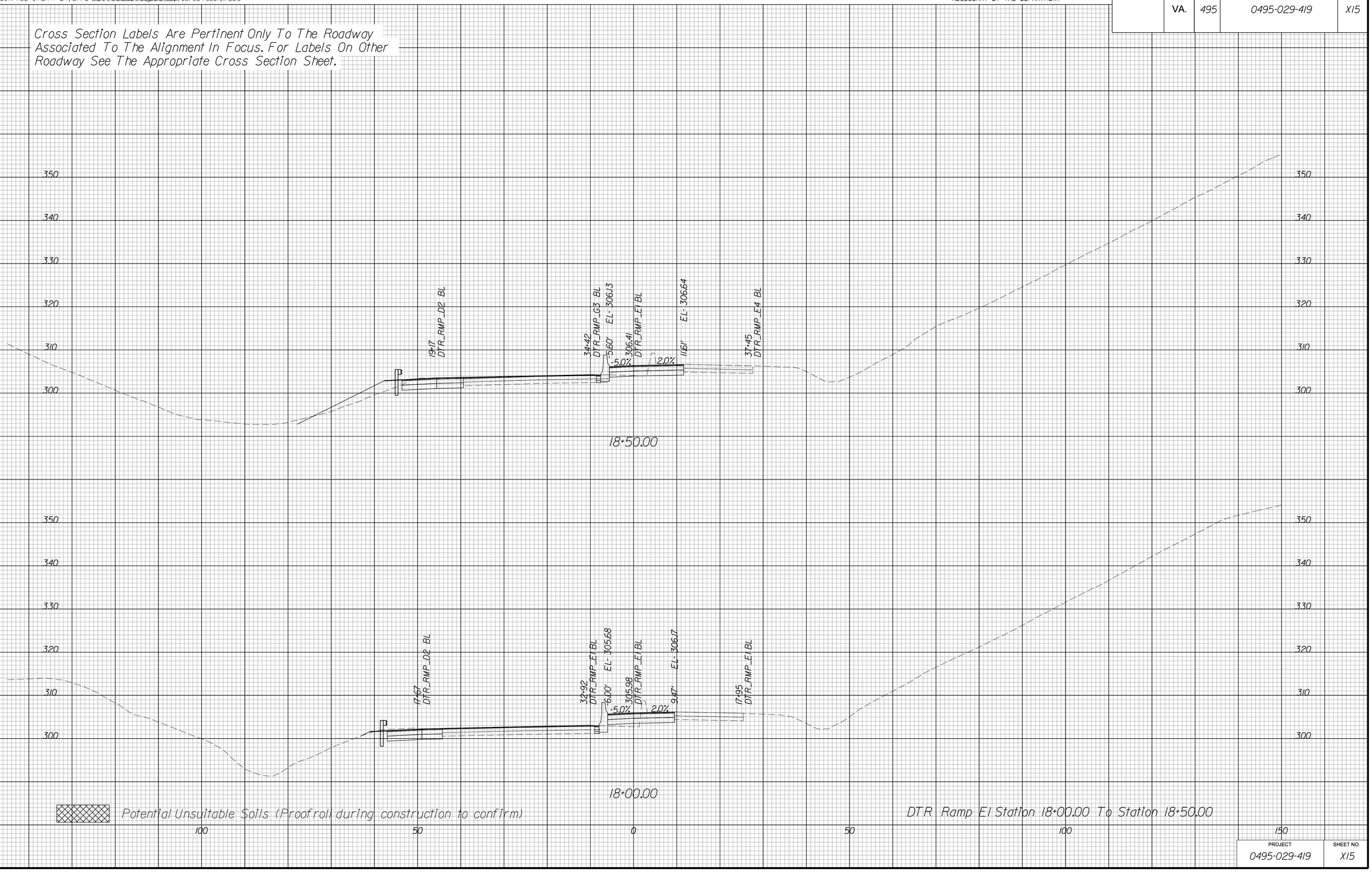
CROSS SECTIONS

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 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)

DTR Ramp E1 Station 18+00.00 To Station 18+50.00

PROJECT	SHEET NO.
0495-029-419	X15

12/16/2022

12/16/2022
10:41:03 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer, PE, (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong, PE, (571) 719-6471 Dewberry - Ron Jakominich PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019

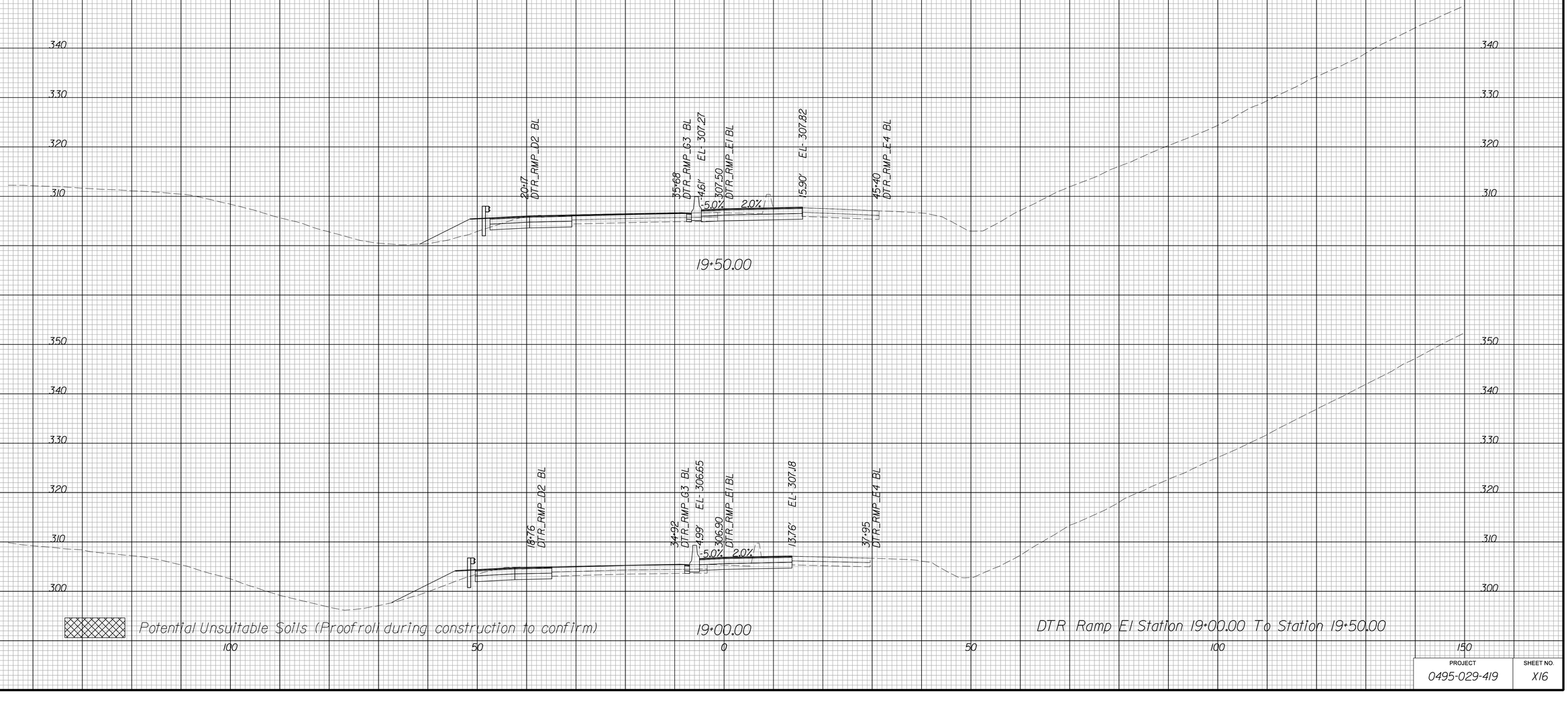
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	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)

DTR Ramp E1 Station 19+00.00 To Station 19+50.00

PROJECT	SHEET NO.
0495-029-419	X16

12/16/2022

12/16/2022
10:41:06 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

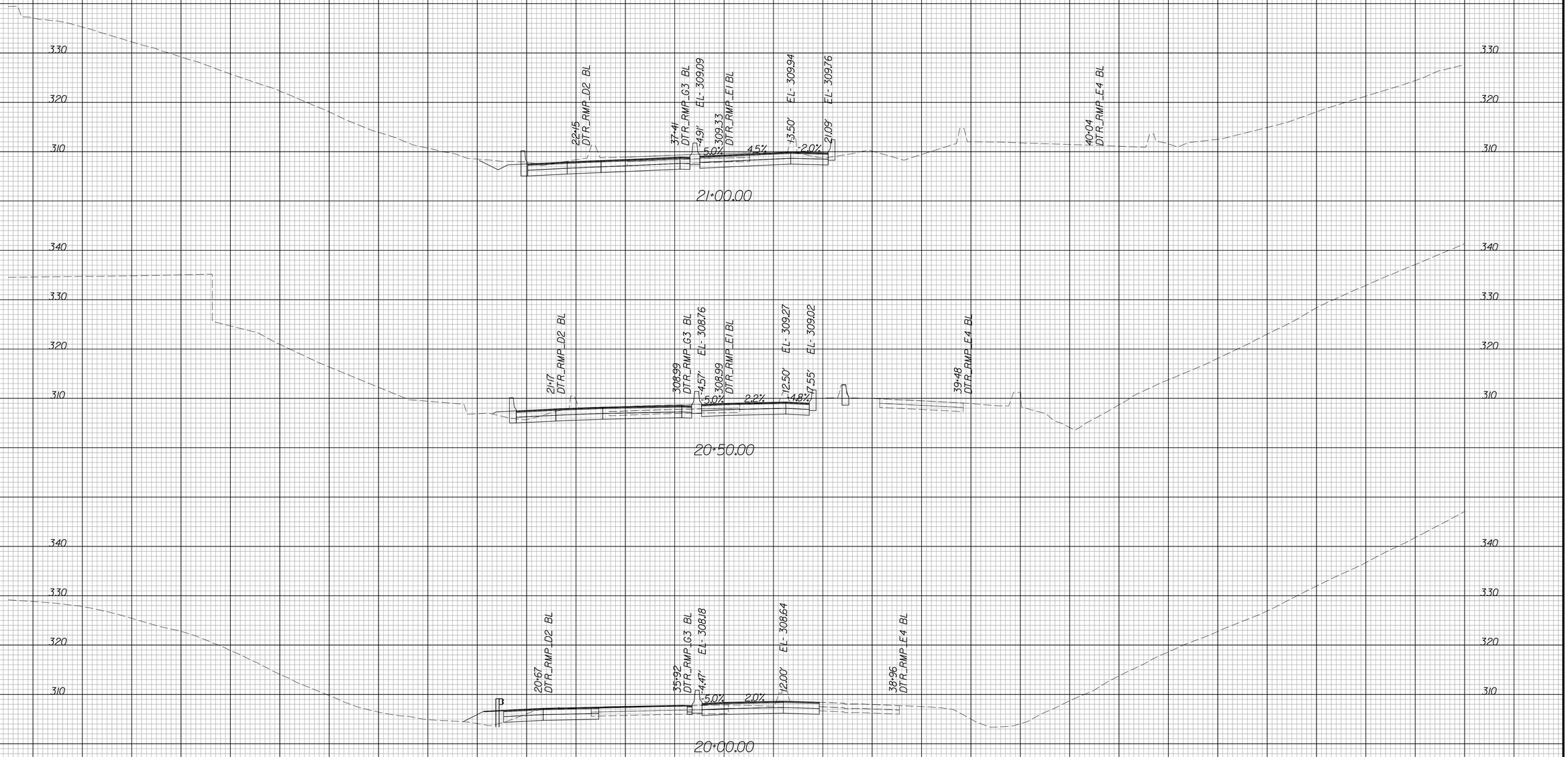
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp E1 Station 20+00.00 To Station 21+00.00

PROJECT	SHEET NO.
0495-029-419	X17

12/16/2022

12/16/2022
10:41:10 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837_1/2019

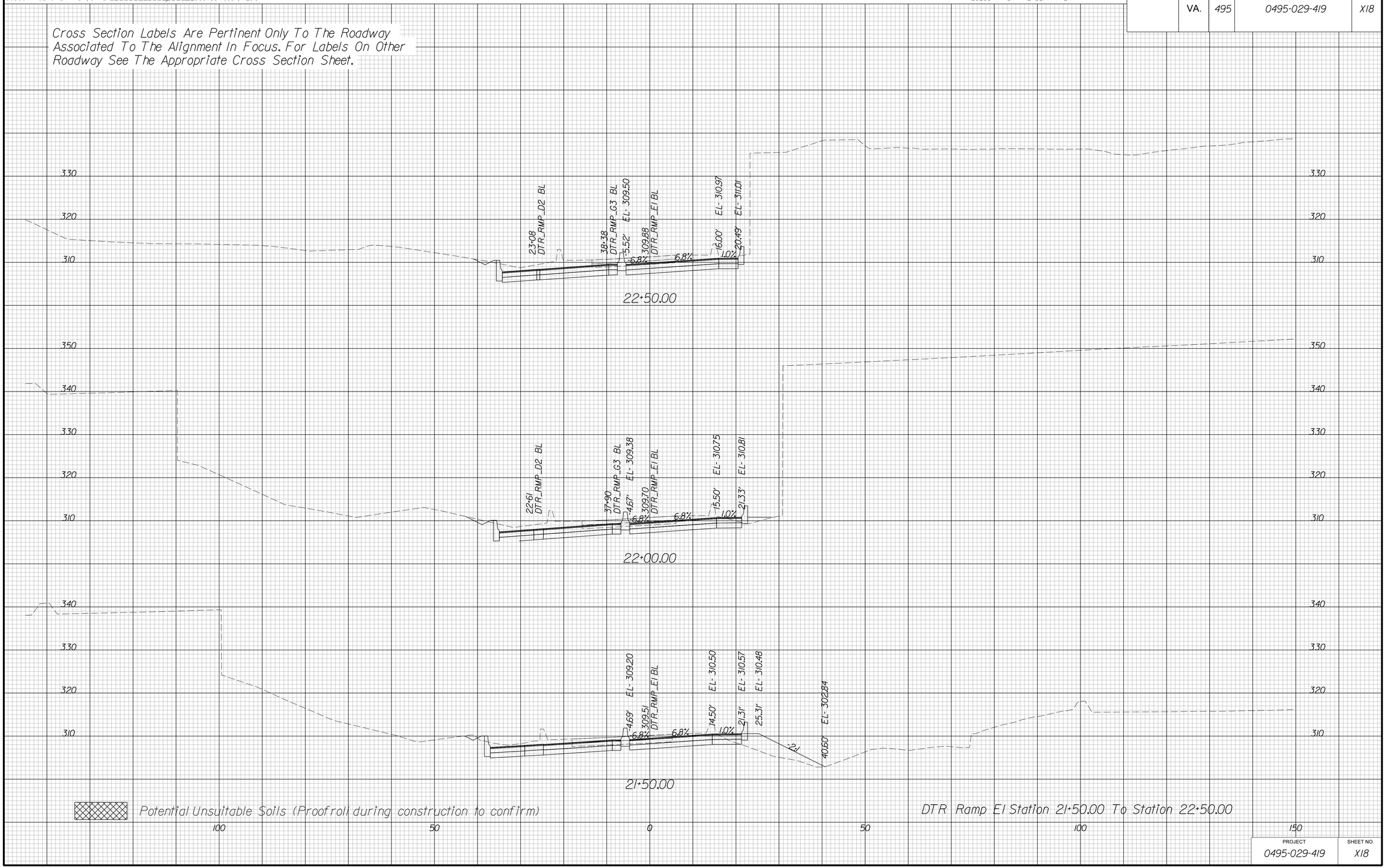
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp E1 Station 21+50.00 To Station 22+50.00

PROJECT	SHEET NO.
0495-029-419	X18

12/16/2022

12/16/2022
10:41:13 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Eischer, PE, (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong, PE, (571) 719-6471 Dewberry - Ron Jakominich PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019

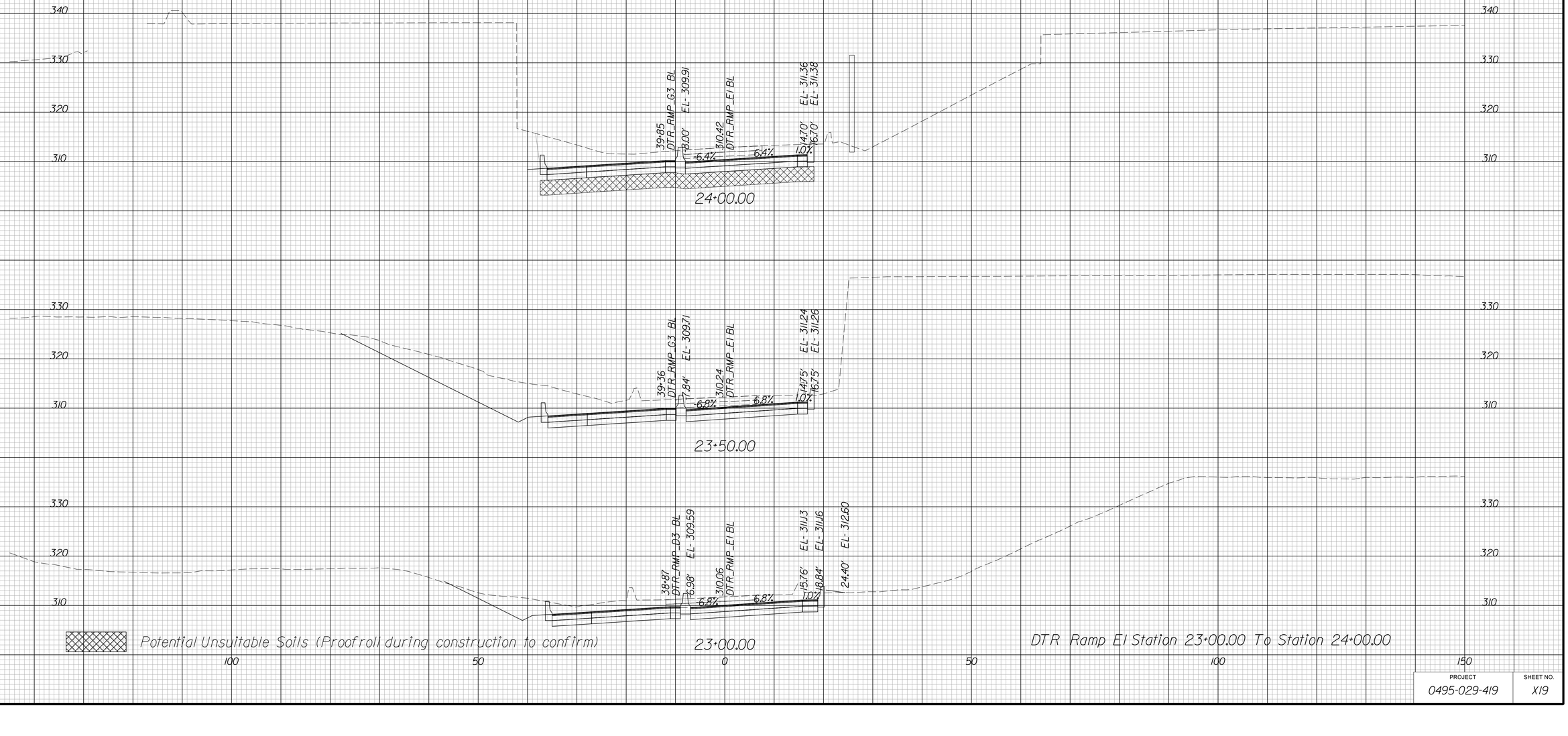
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X19

12/16/2022

12/16/2022
10:41:17 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

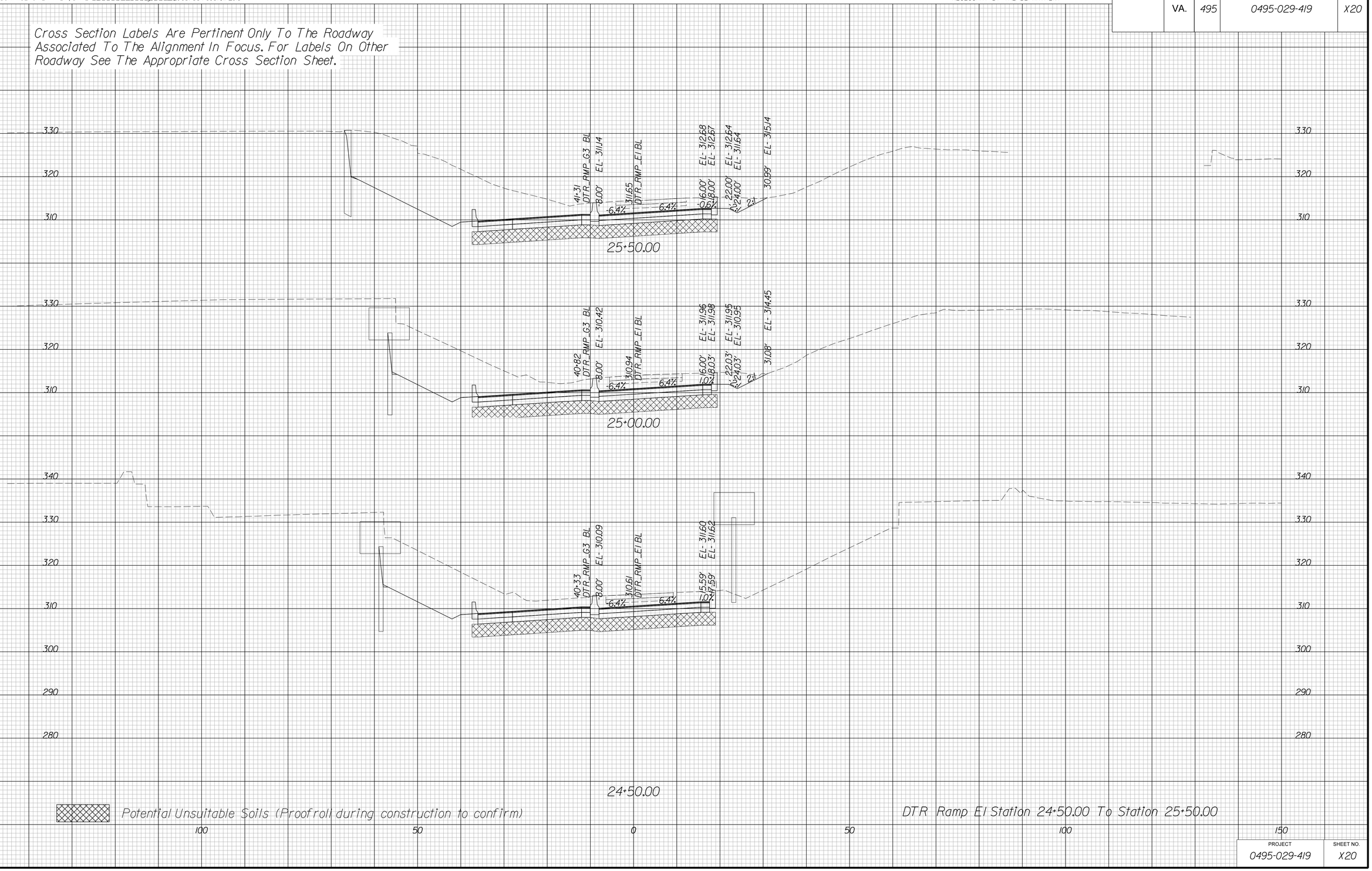
CROSS SECTIONS

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 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.



DTR Ramp E1 Station 24+50.00 To Station 25+50.00

PROJECT	SHEET NO.
0495-029-419	X20

12/16/2022

12/16/2022
10:41:20 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Eischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

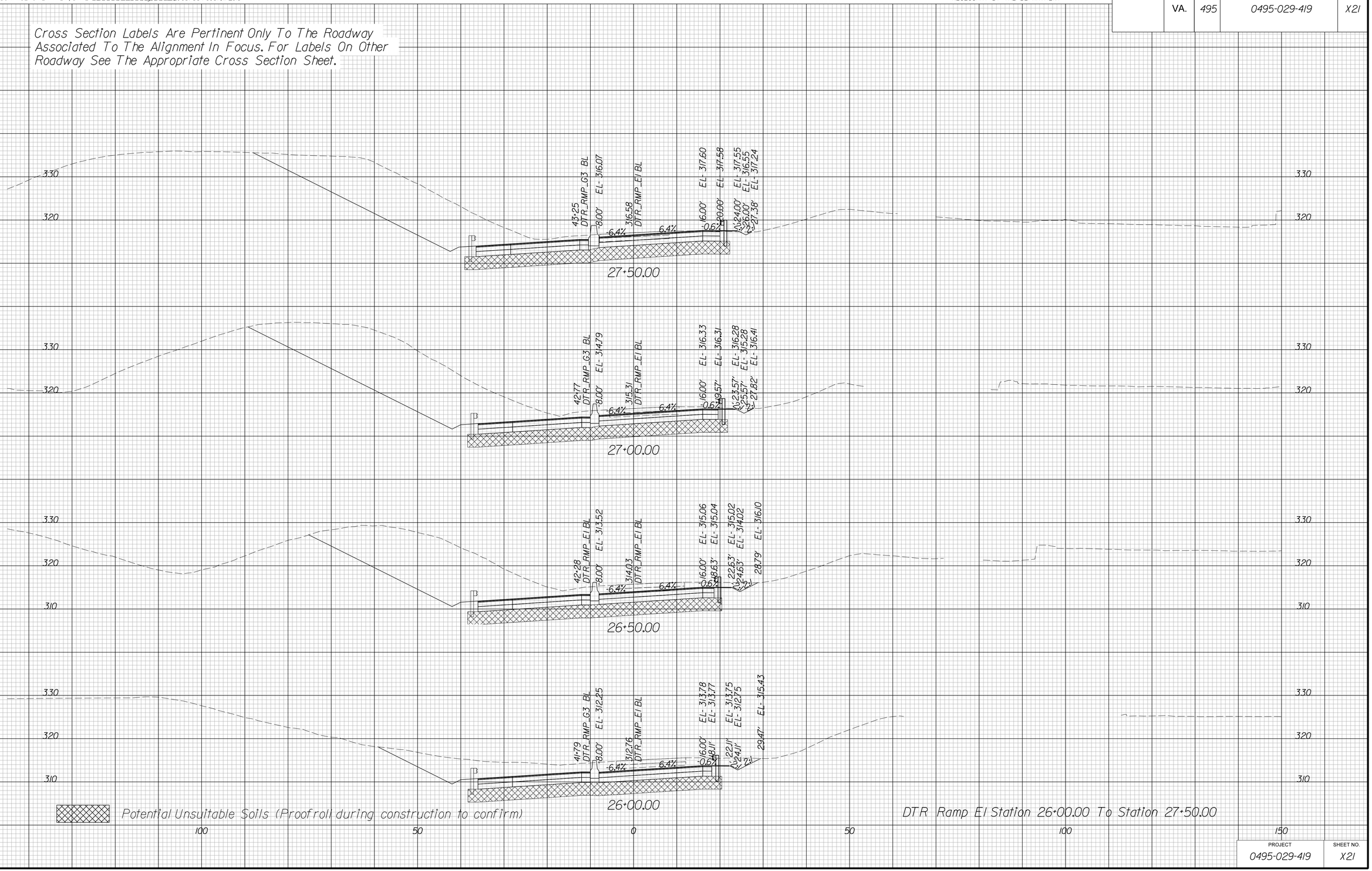
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X21

12/16/2022

12/16/2022
10:41:24 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

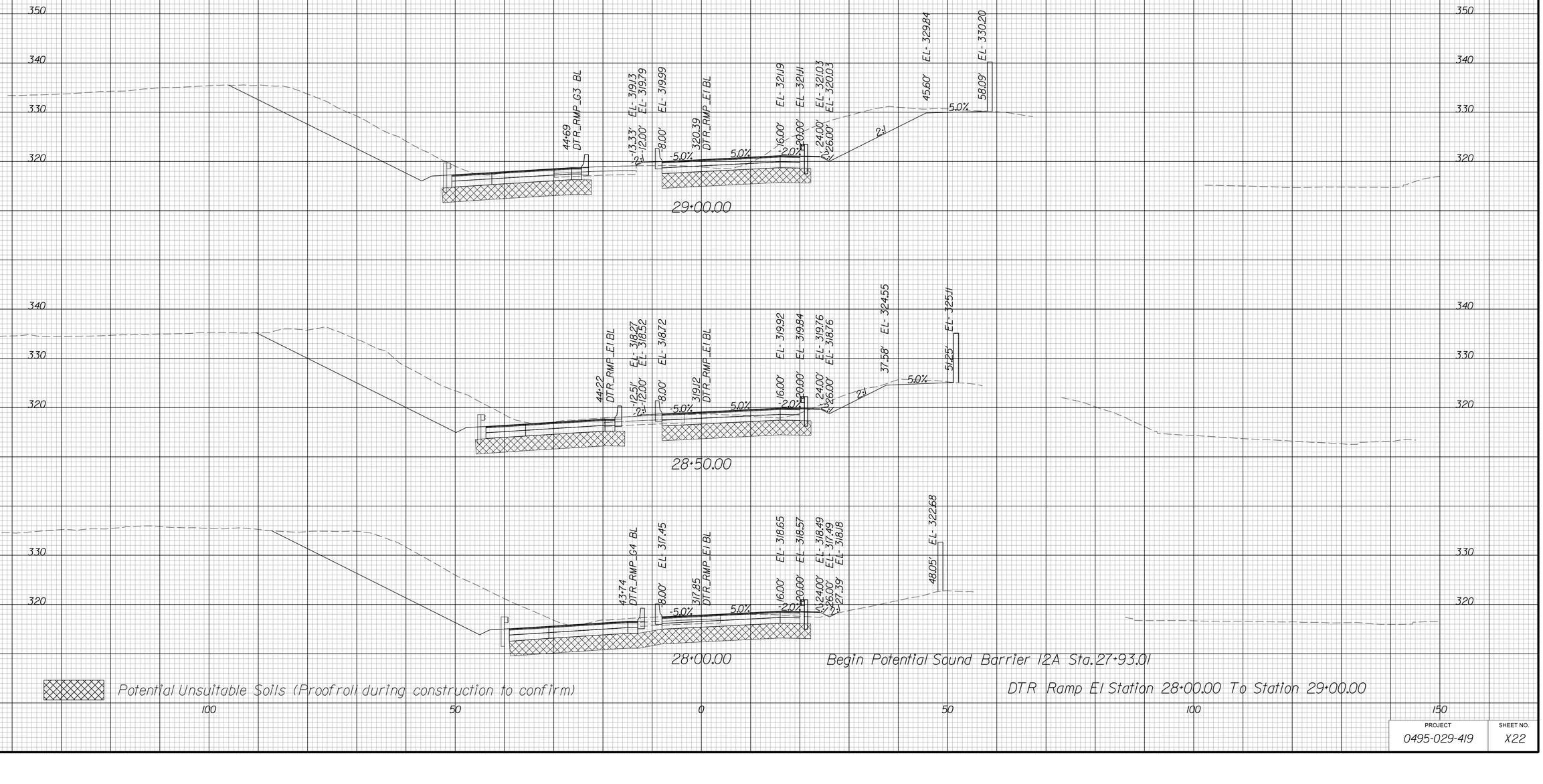
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X22

12/16/2022

12/16/2022
10:41:28 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019

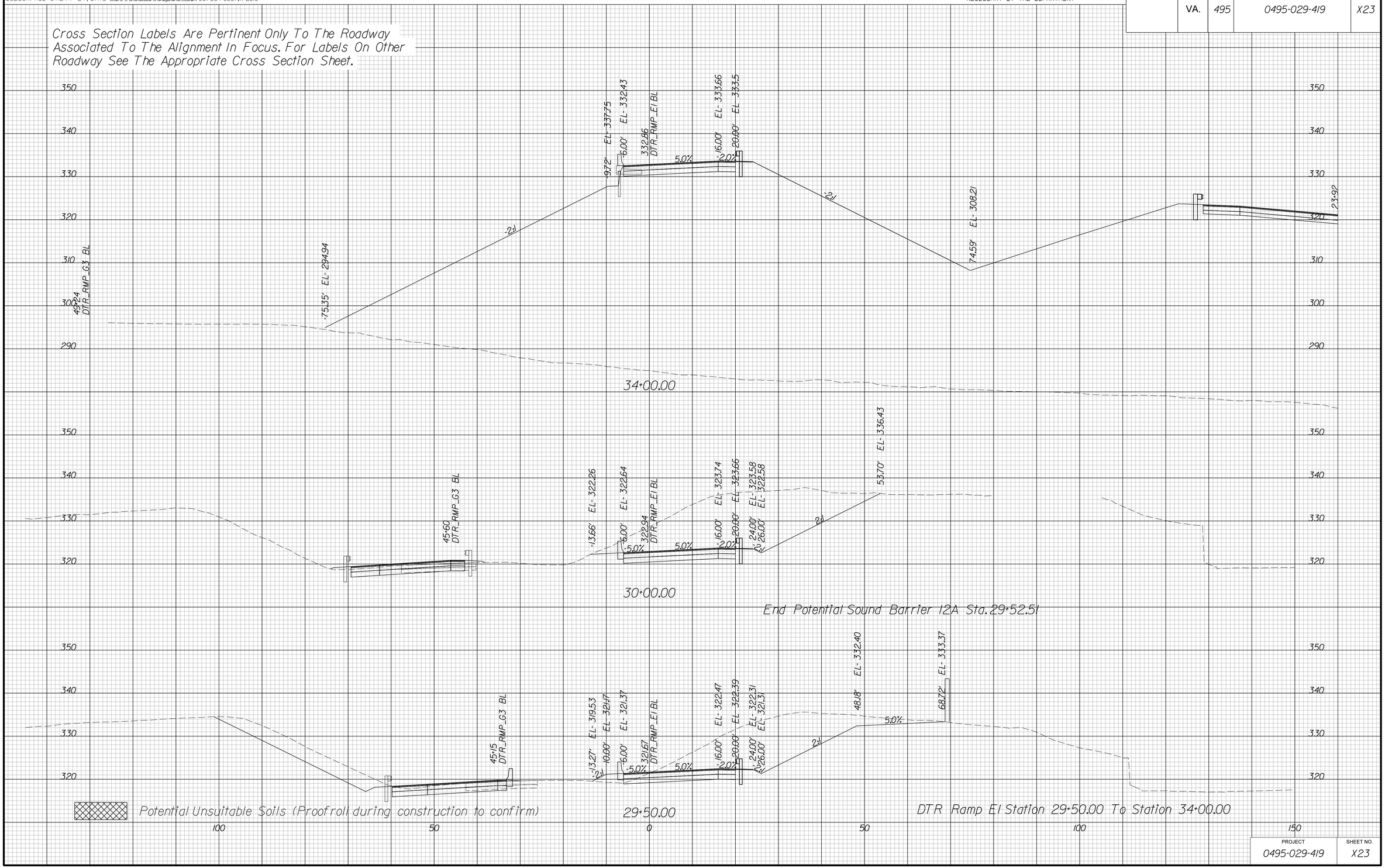
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X23

12/16/2022

12/16/2022

10:41:31 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elscher PE (703) 334-0823

SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651

SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

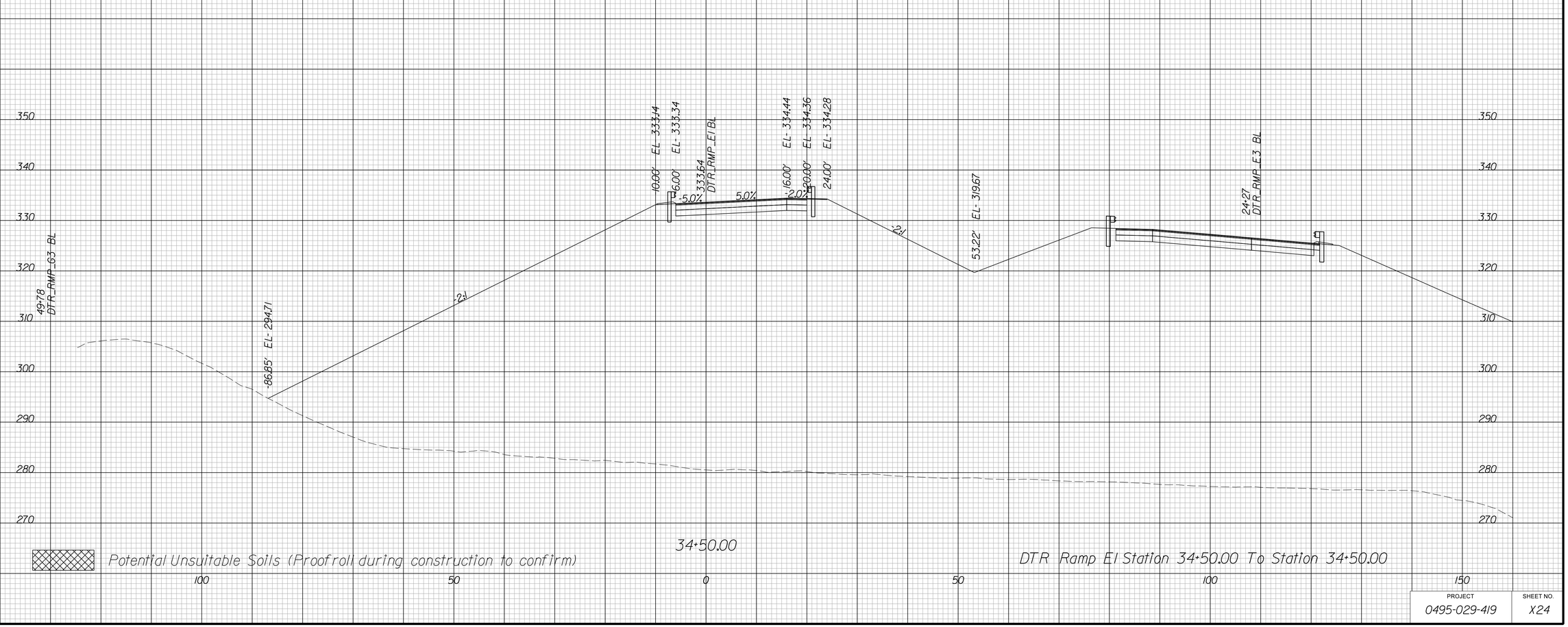
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X24

12/16/2022

12/16/2022

10:41:35 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Eischer PE (703) 334-0823

SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651

SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

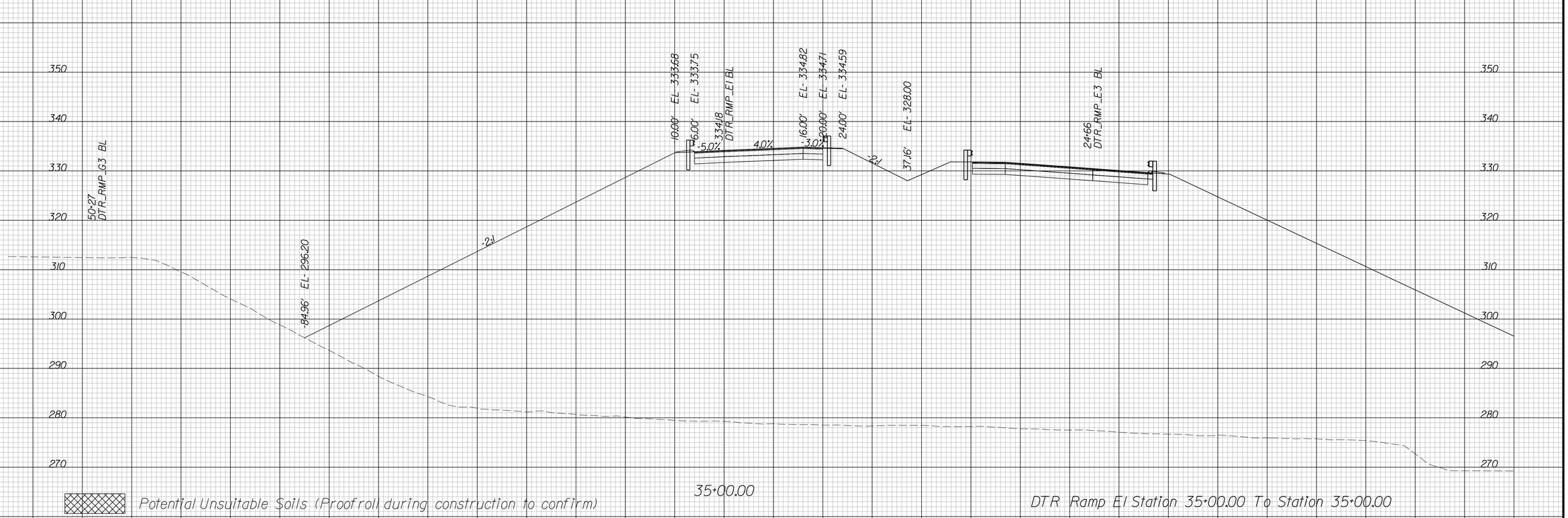
CROSS SECTIONS

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	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 (Proof roll during construction to confirm)

35+00.00

DTR Ramp E1 Station 35+00.00 To Station 35+00.00

PROJECT	SHEET NO.
0495-029-419	X25

12/16/2022

12/16/2022
10:41:38 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

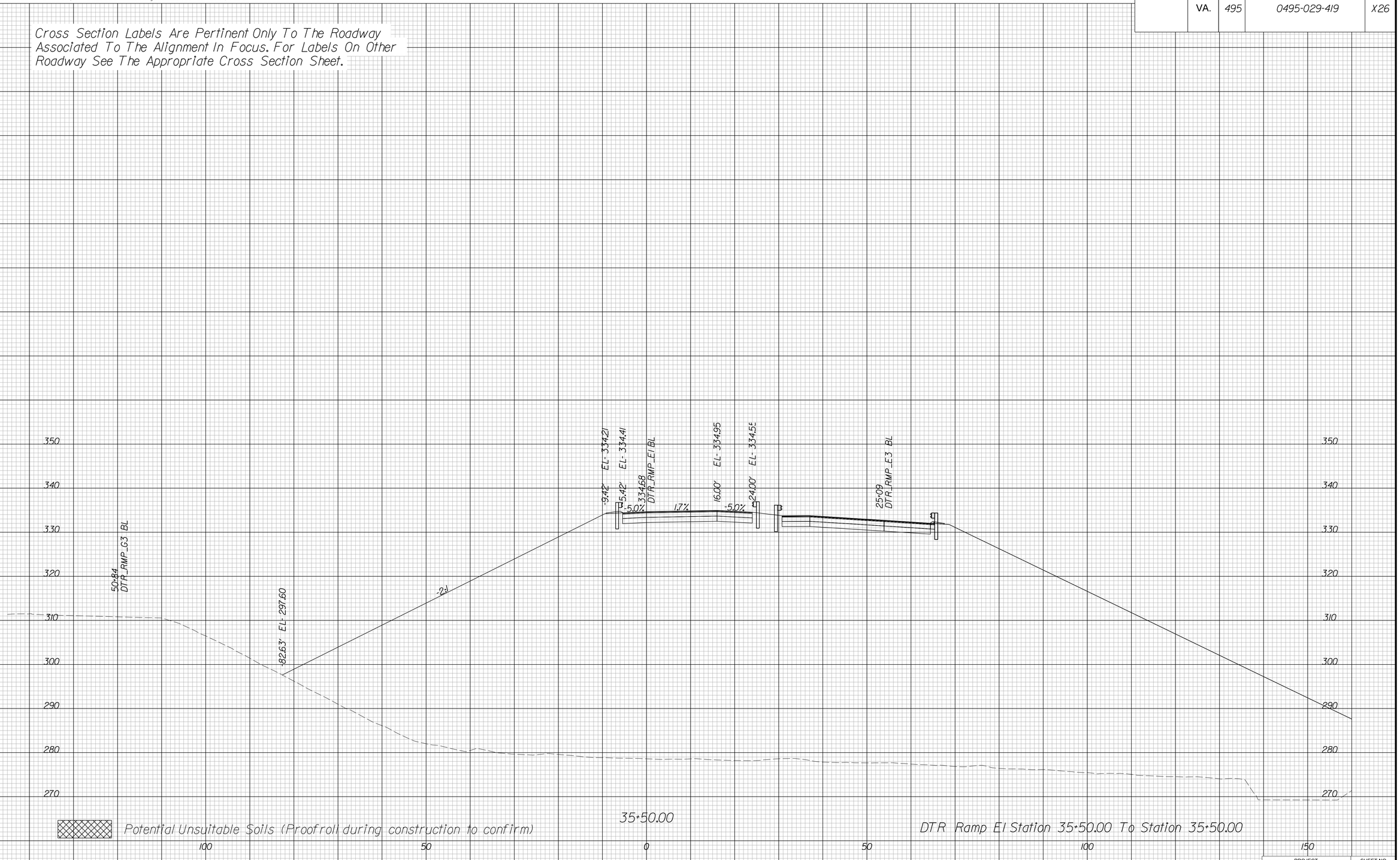
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

35+50.00

DTR Ramp E1 Station 35+50.00 To Station 35+50.00

PROJECT	SHEET NO.
0495-029-419	X26

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

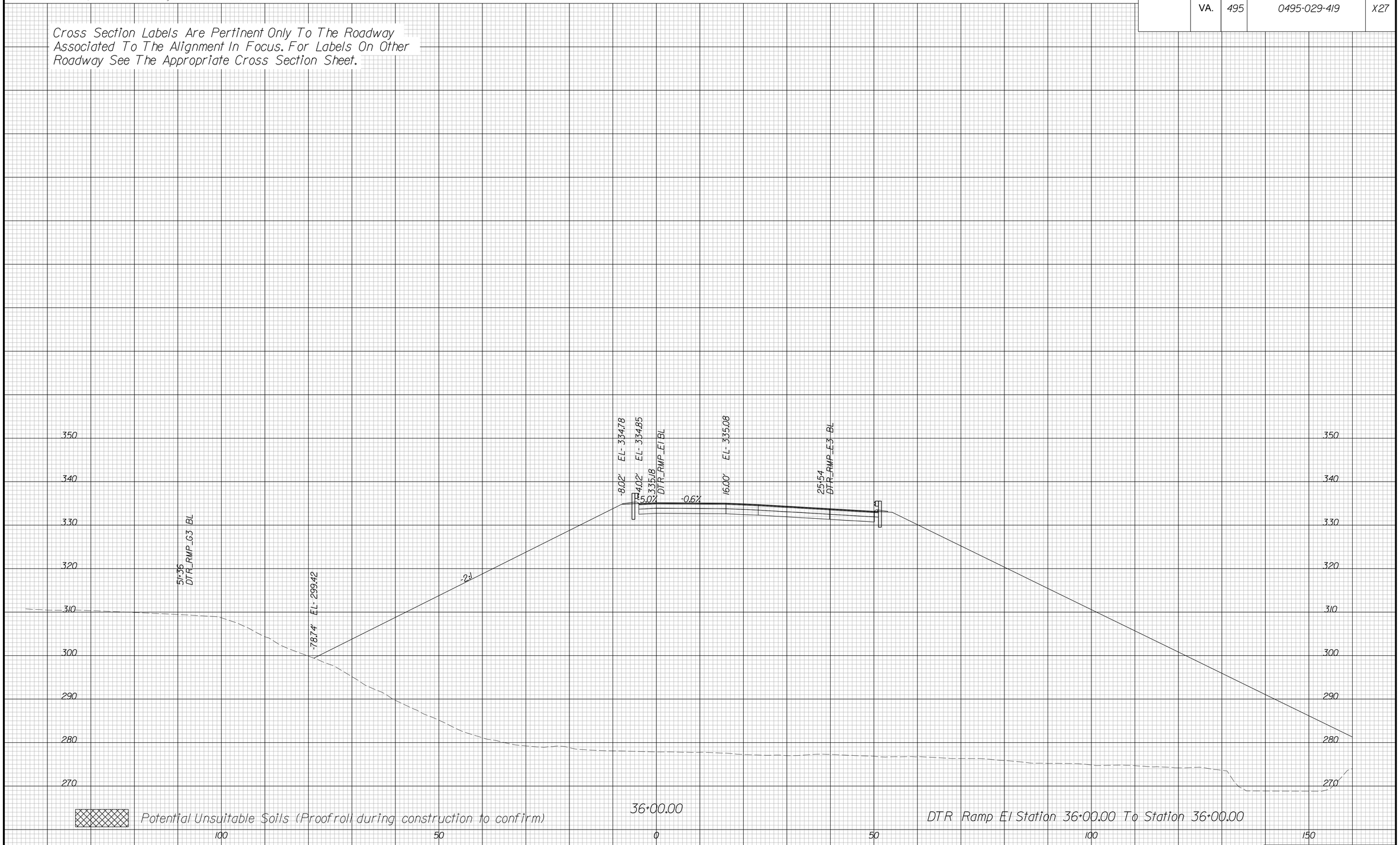
CROSS SECTIONS

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 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)

36+00.00

DTR Ramp E1 Station 36+00.00 To Station 36+00.00

PROJECT	SHEET NO.
0495-029-419	X27

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

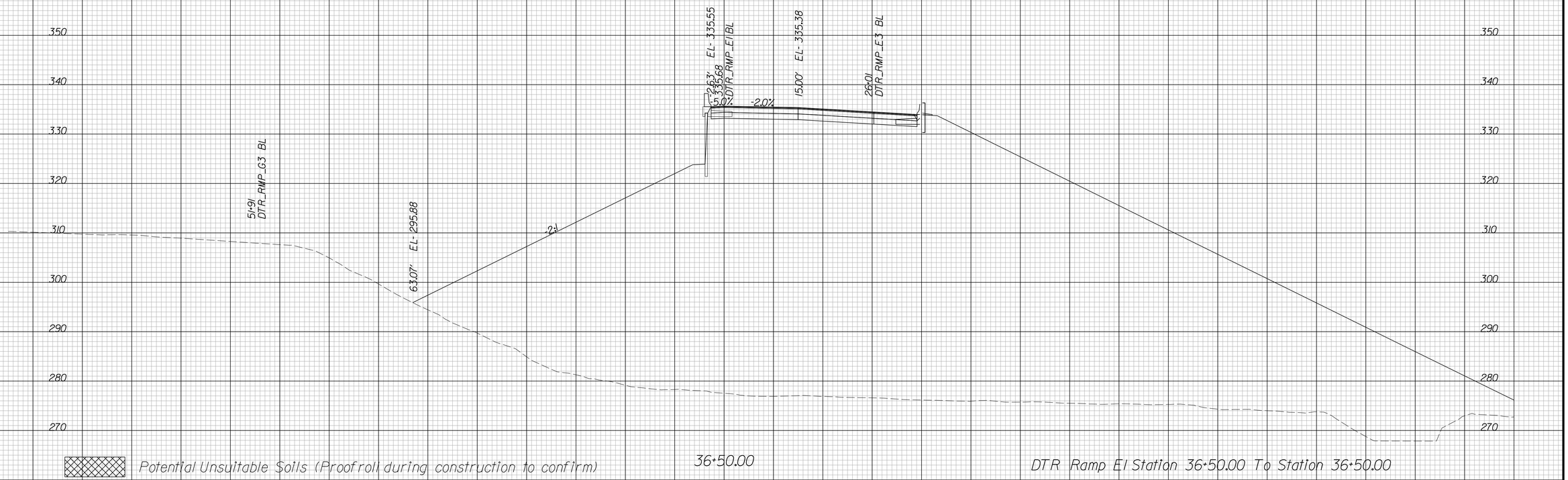
CROSS SECTIONS

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 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)

36+50.00

DTR Ramp E1 Station 36+50.00 To Station 36+50.00

PROJECT	SHEET NO.
0495-029-419	X28

12/16/2022
10:41:49 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

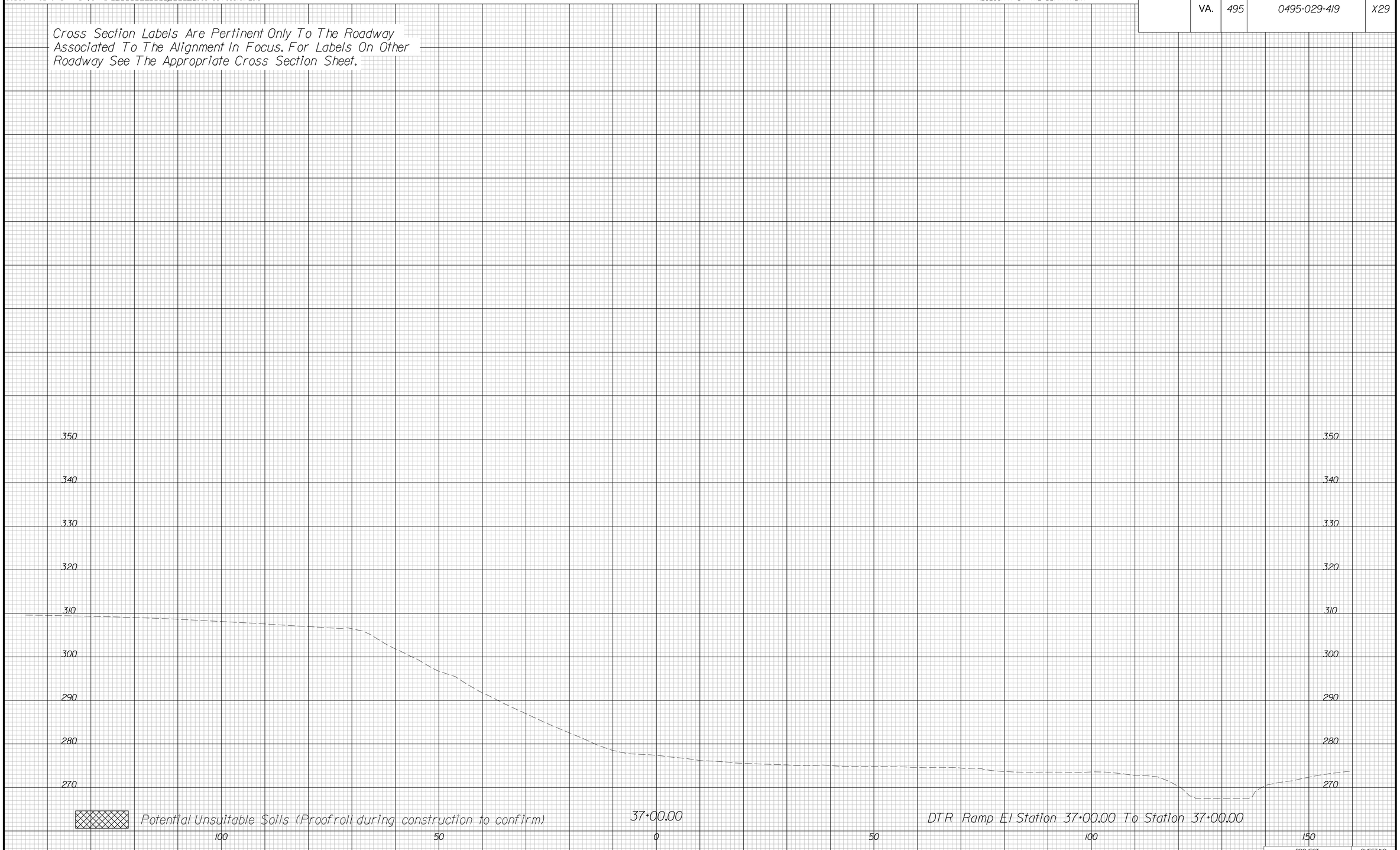
CROSS SECTIONS

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	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.



PROJECT	SHEET NO.
0495-029-419	X29

12/16/2022

12/16/2022
10:41:52 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elscher PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

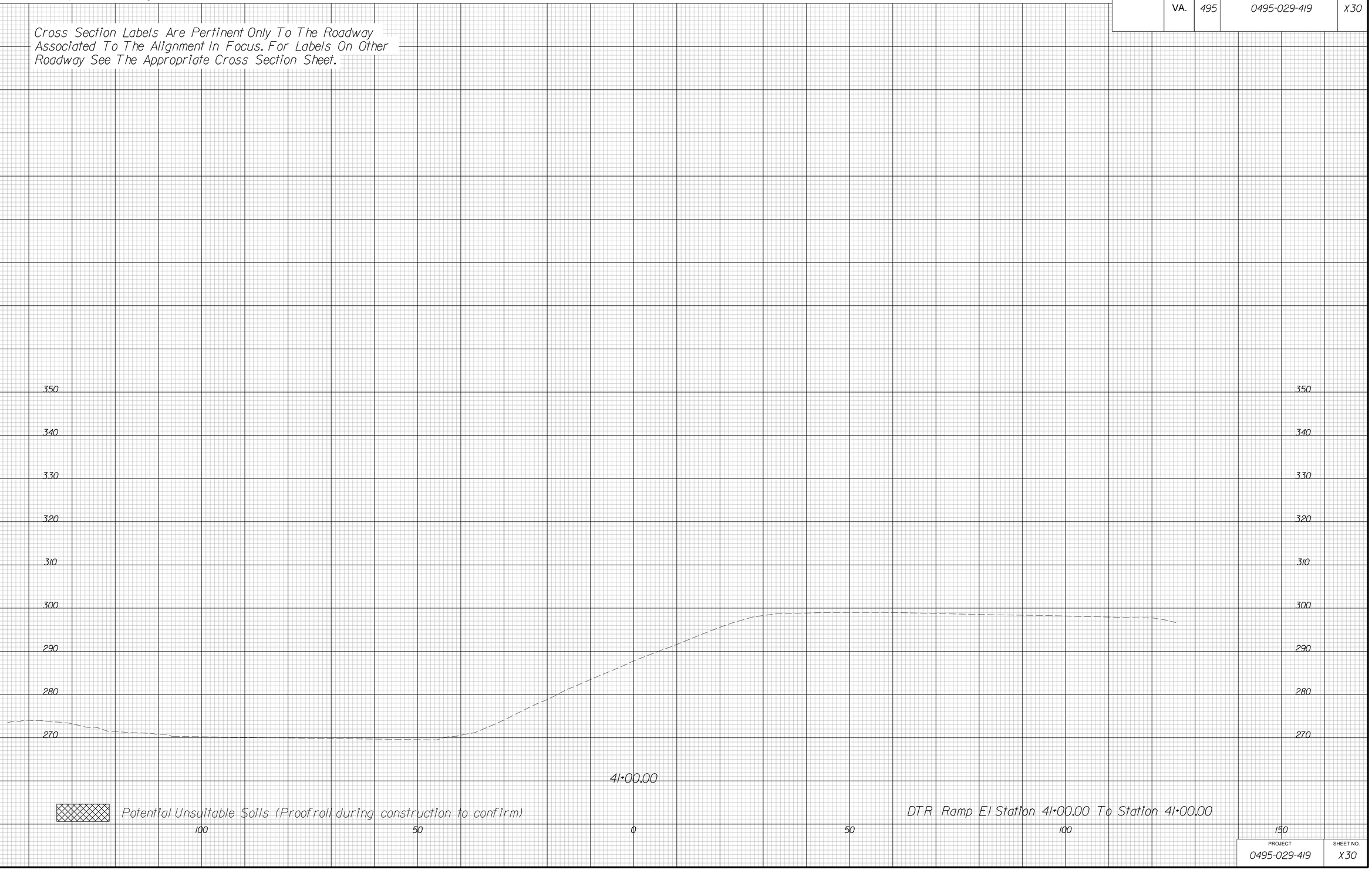
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X30

12/16/2022

12/16/2022
10:41:56 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron 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 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)

DTR Ramp EI Station 41+50.00 To Station 41+50.00

PROJECT	SHEET NO.
0495-029-419	X31

12/16/2022

12/16/2022

10:41:59 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823

SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651

SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

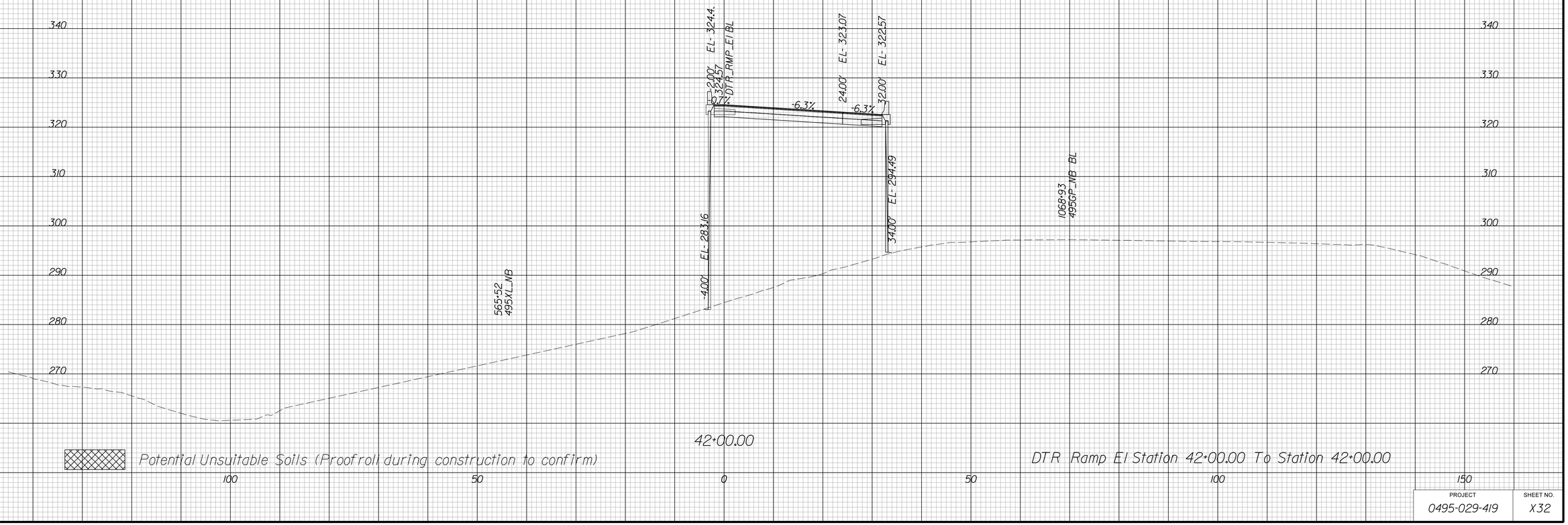
CROSS SECTIONS

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 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)

DTR Ramp E1 Station 42+00.00 To Station 42+00.00

PROJECT	SHEET NO.
0495-029-419	X32

12/16/2022

12/16/2022
10:42:03 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

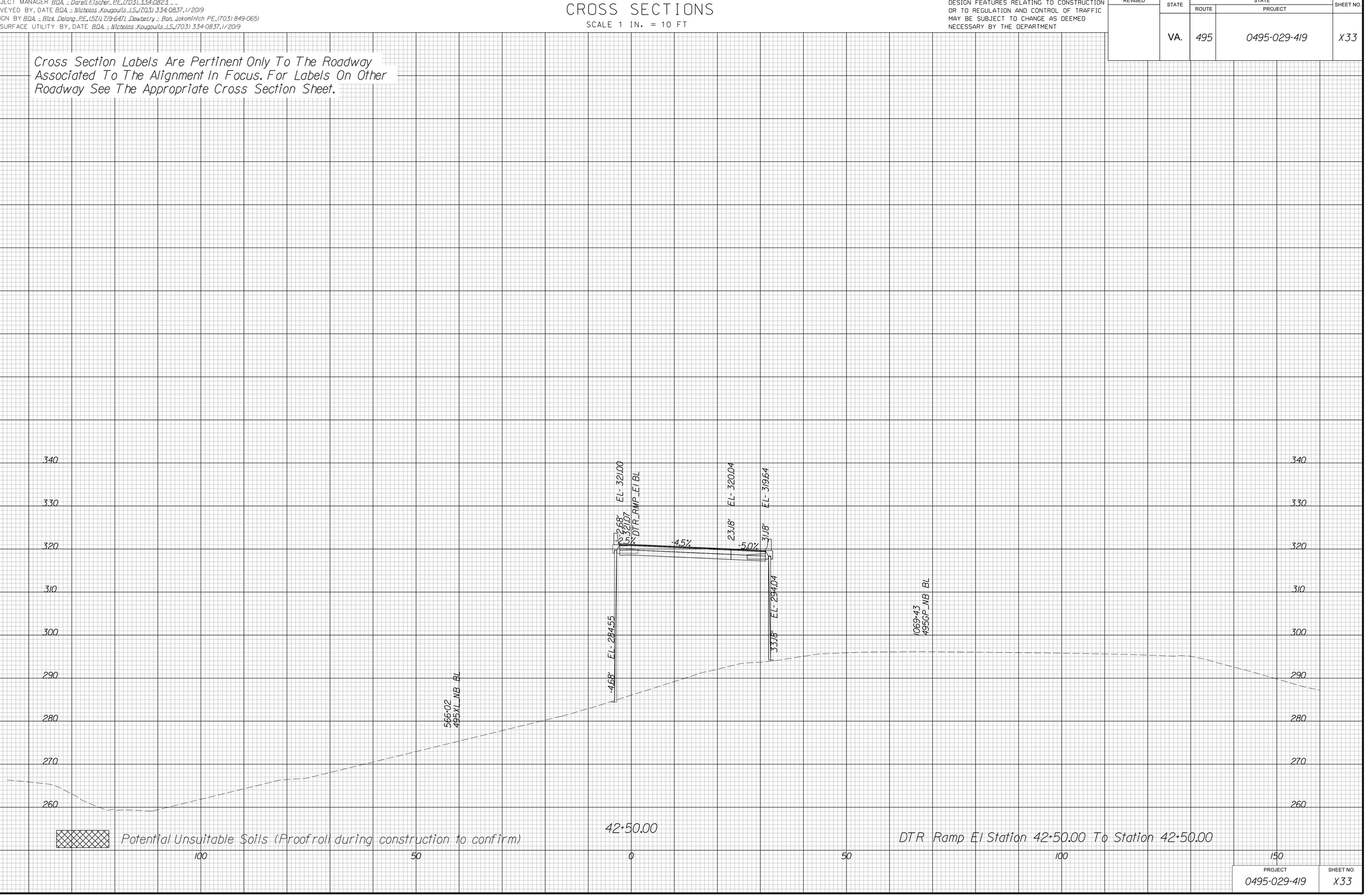
CROSS SECTIONS

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	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.



PROJECT	SHEET NO.
0495-029-419	X33

12/16/2022

12/16/2022
10:42:06 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

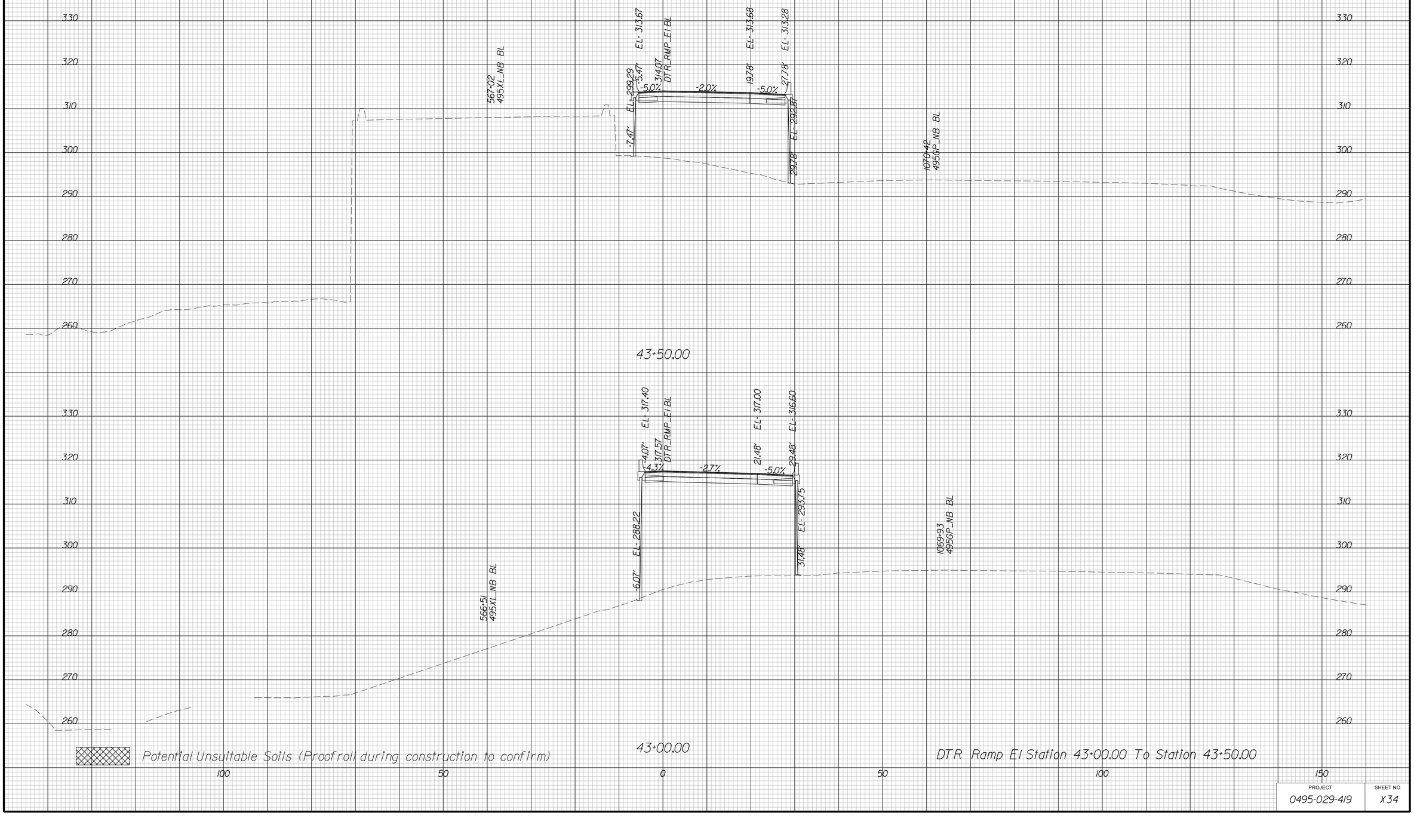
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X34

12/16/2022

12/16/2022

10:42:10 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823

SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651

SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

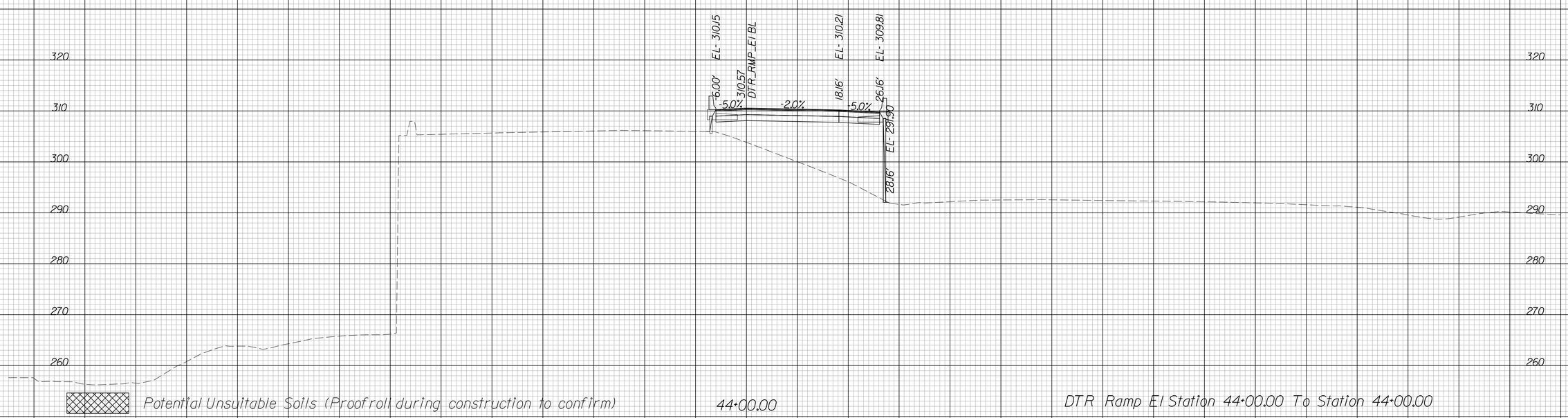
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X35

12/16/2022

12/16/2022
10:42:14 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher, PE, (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong, PE, (571) 719-6471 Dewberry - Ron Jakominich PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019

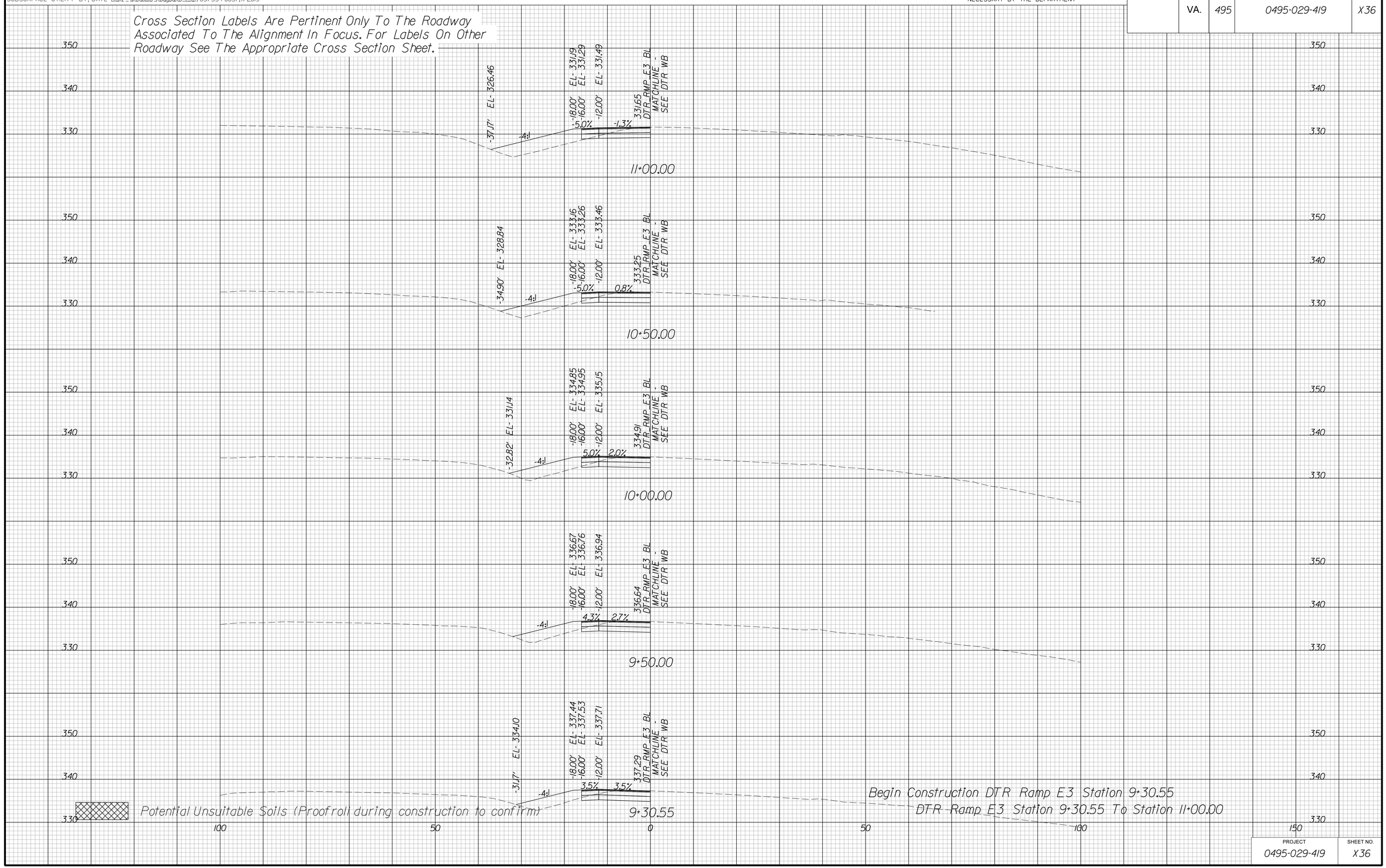
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	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 DTR Ramp E3 Station 9+30.55

DTR Ramp E3 Station 9+30.55 To Station 11+00.00

PROJECT	SHEET NO.
0495-029-419	X36

12/16/2022

12/16/2022
10:42:17 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019

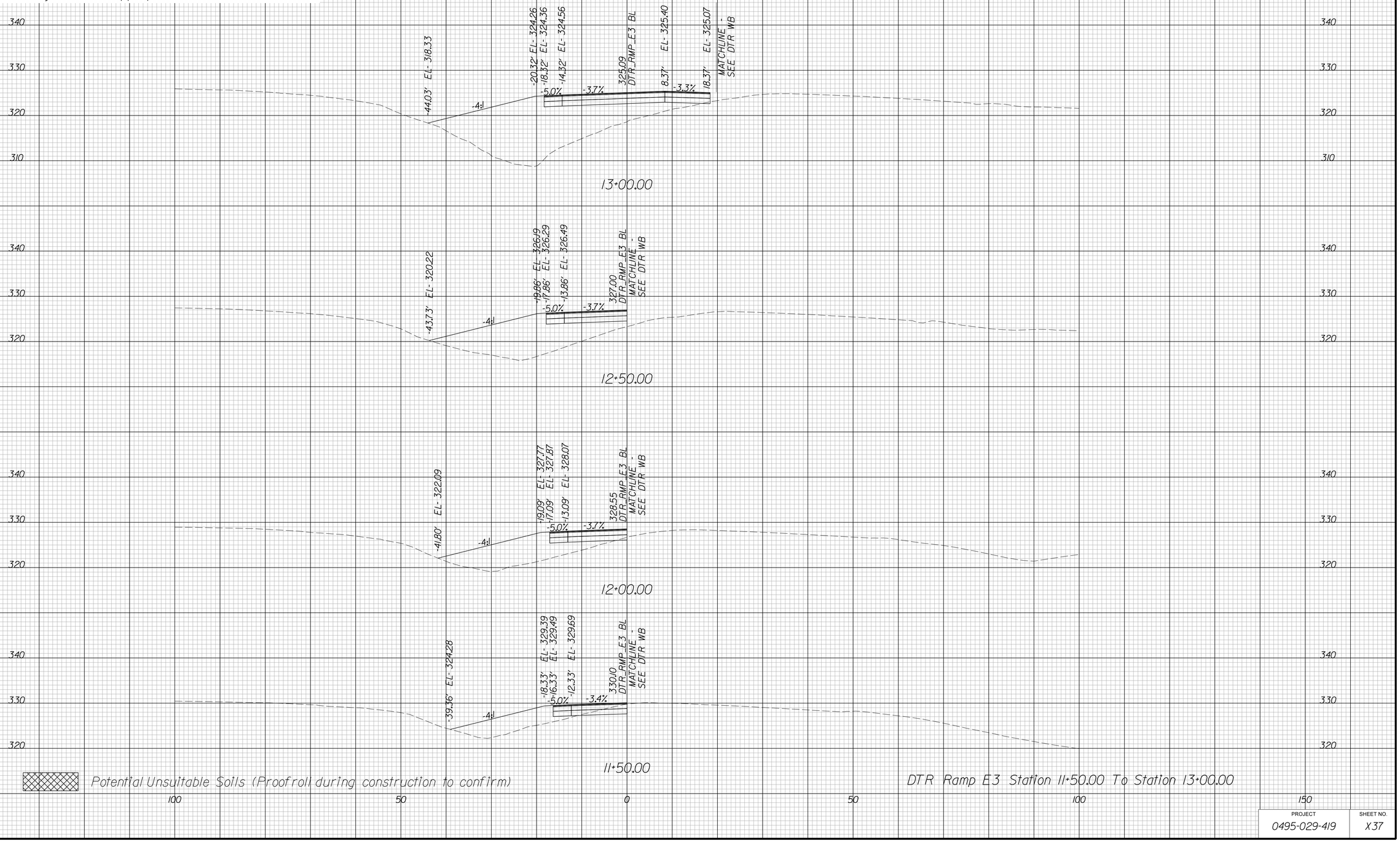
CROSS SECTIONS

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 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

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837, 1/2019

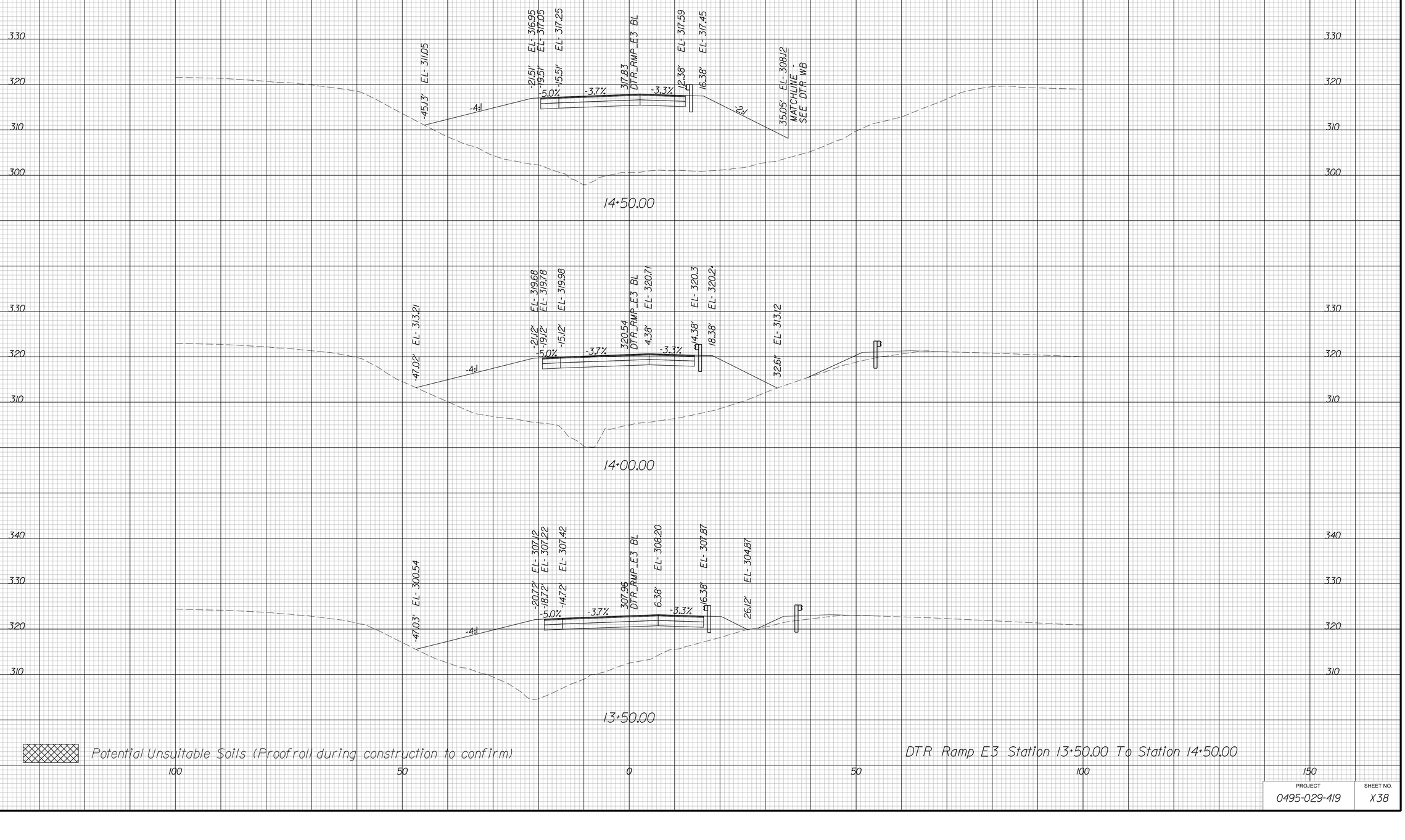
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	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	SHEET NO.
0495-029-419	X38

12/16/2022
10:42:23 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elscher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

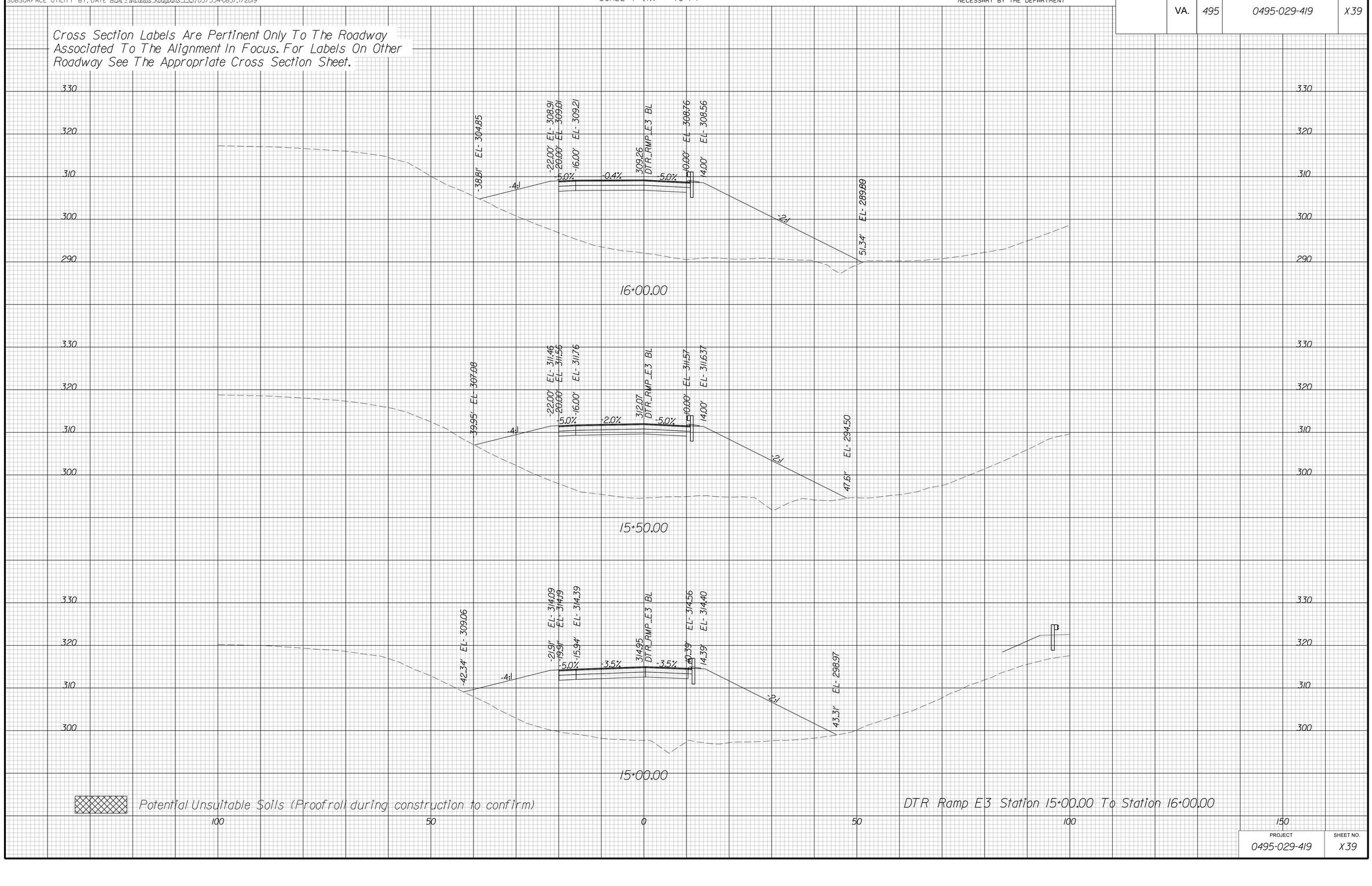
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X39

12/16/2022

12/16/2022
10:42:26 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

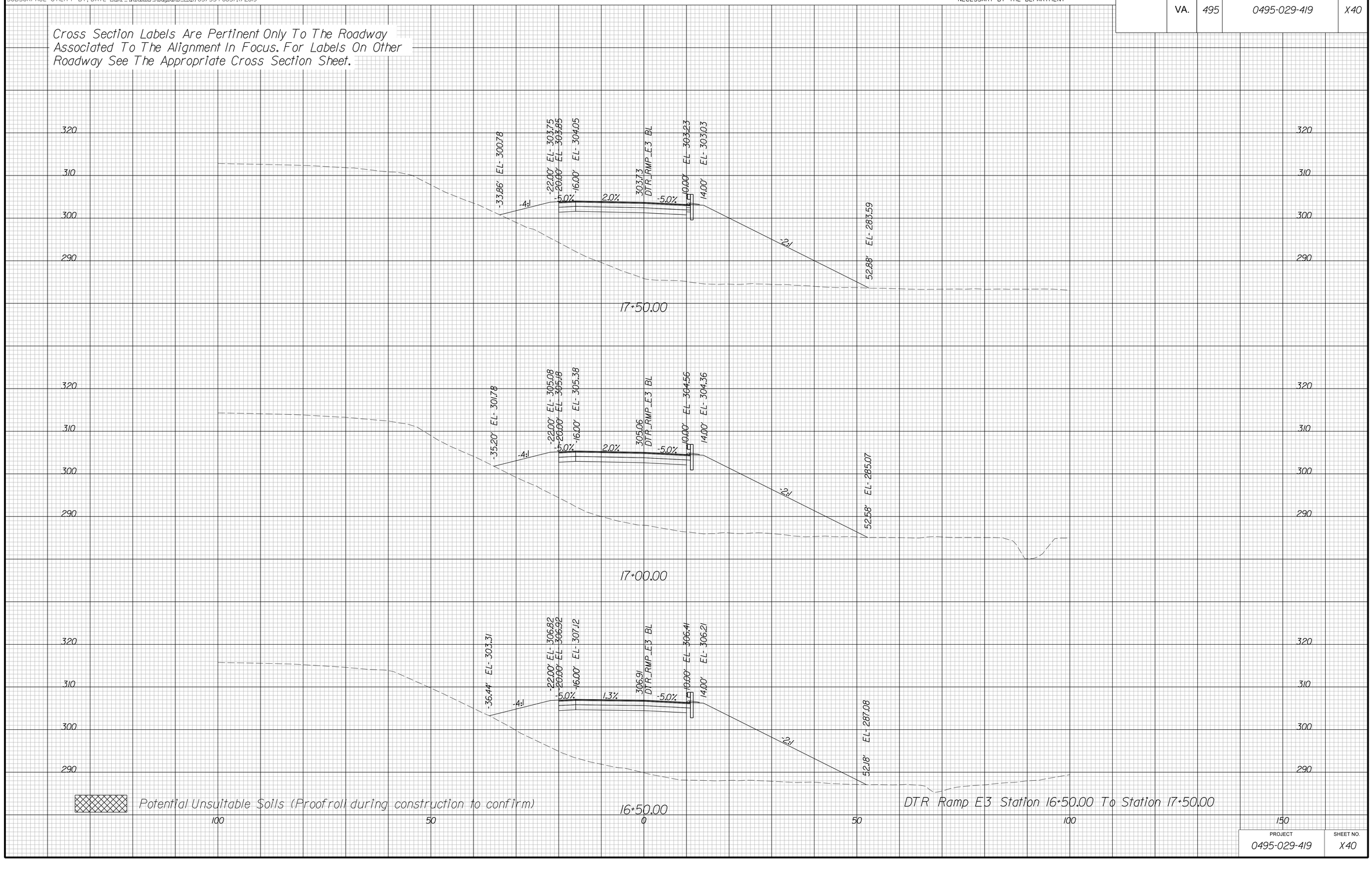
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X40

12/16/2022

12/16/2022
10:42:29 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

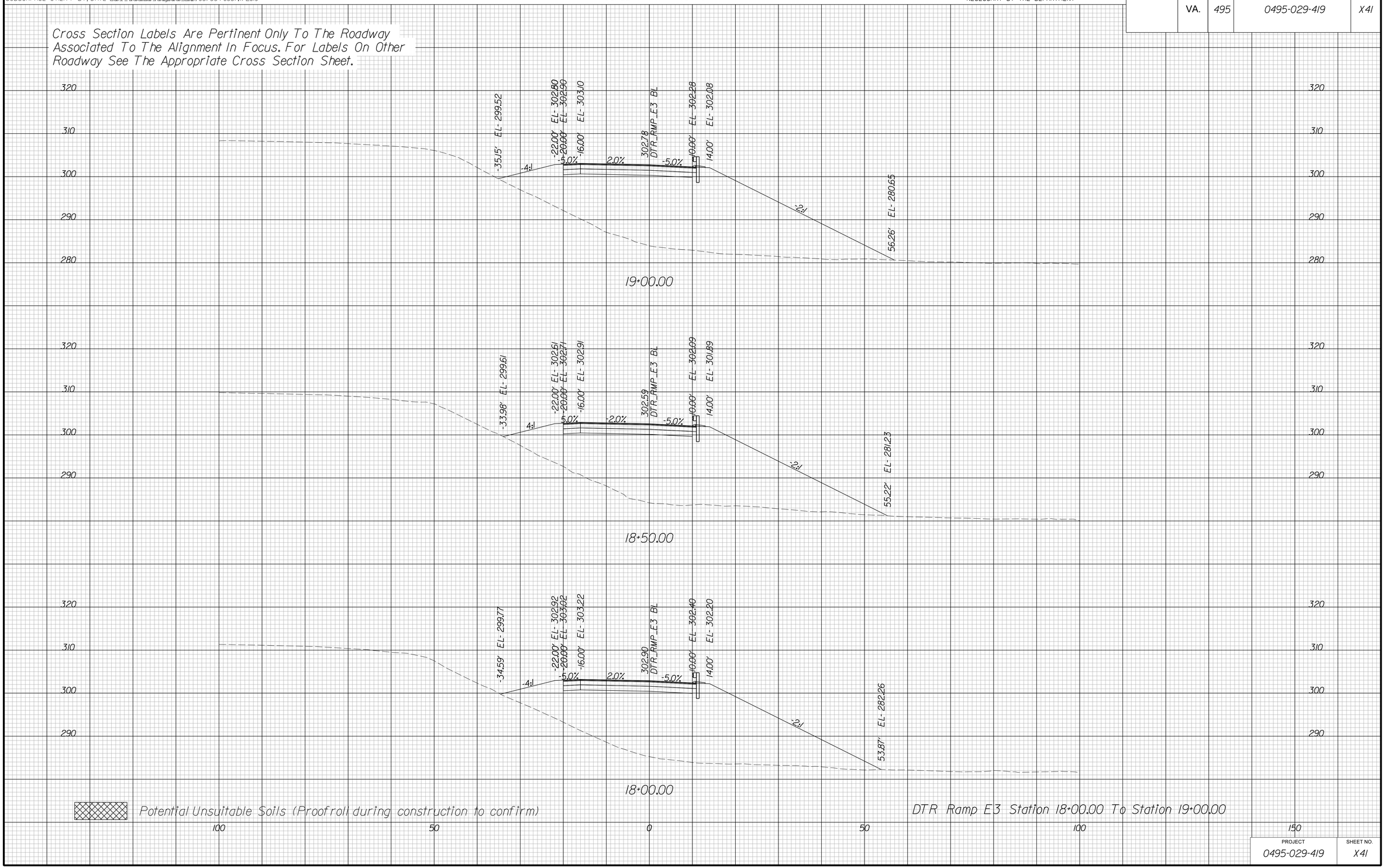
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp E3 Station 18+00.00 To Station 19+00.00

PROJECT	SHEET NO.
0495-029-419	X41

12/16/2022

12/16/2022
10:42:32 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837, 1/2019

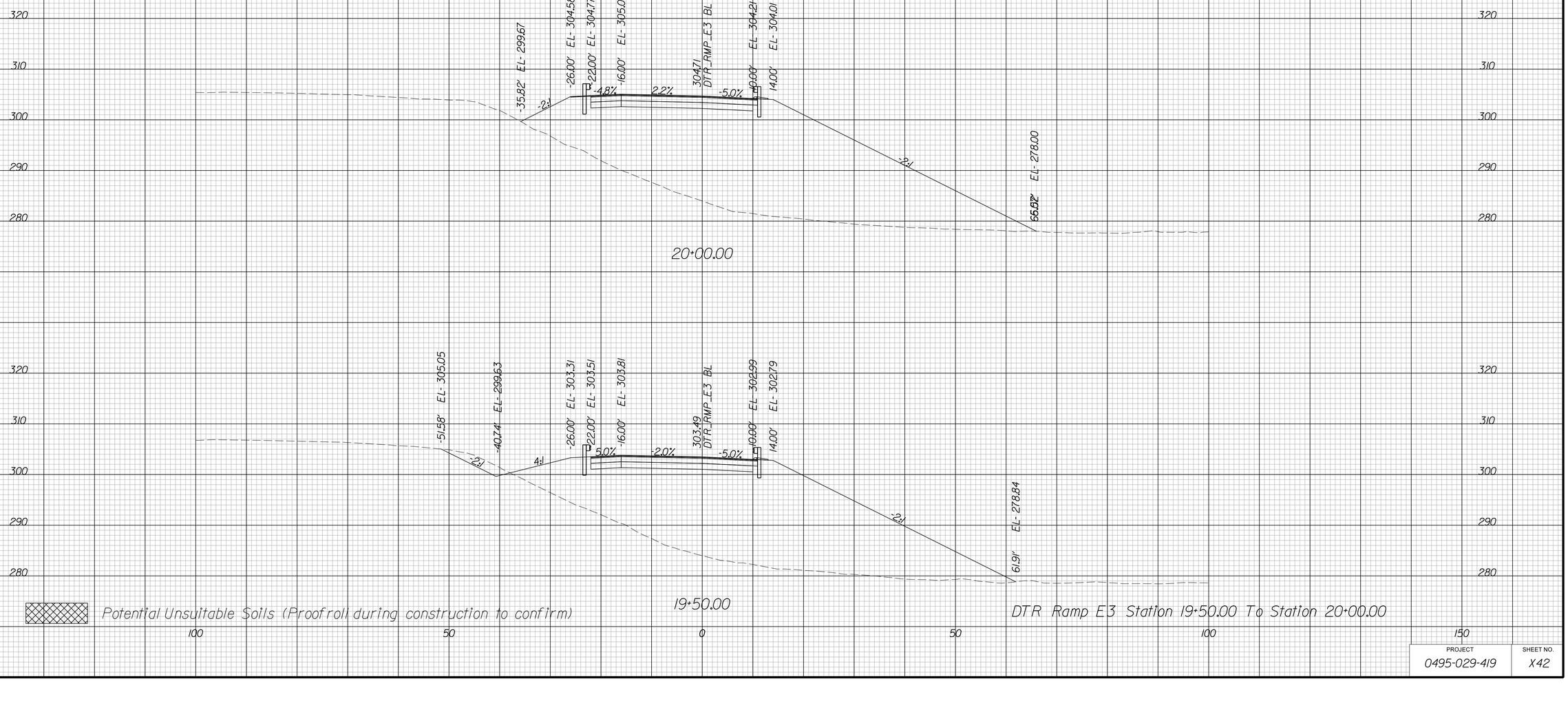
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X42

12/16/2022

12/16/2022
10:42:35 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

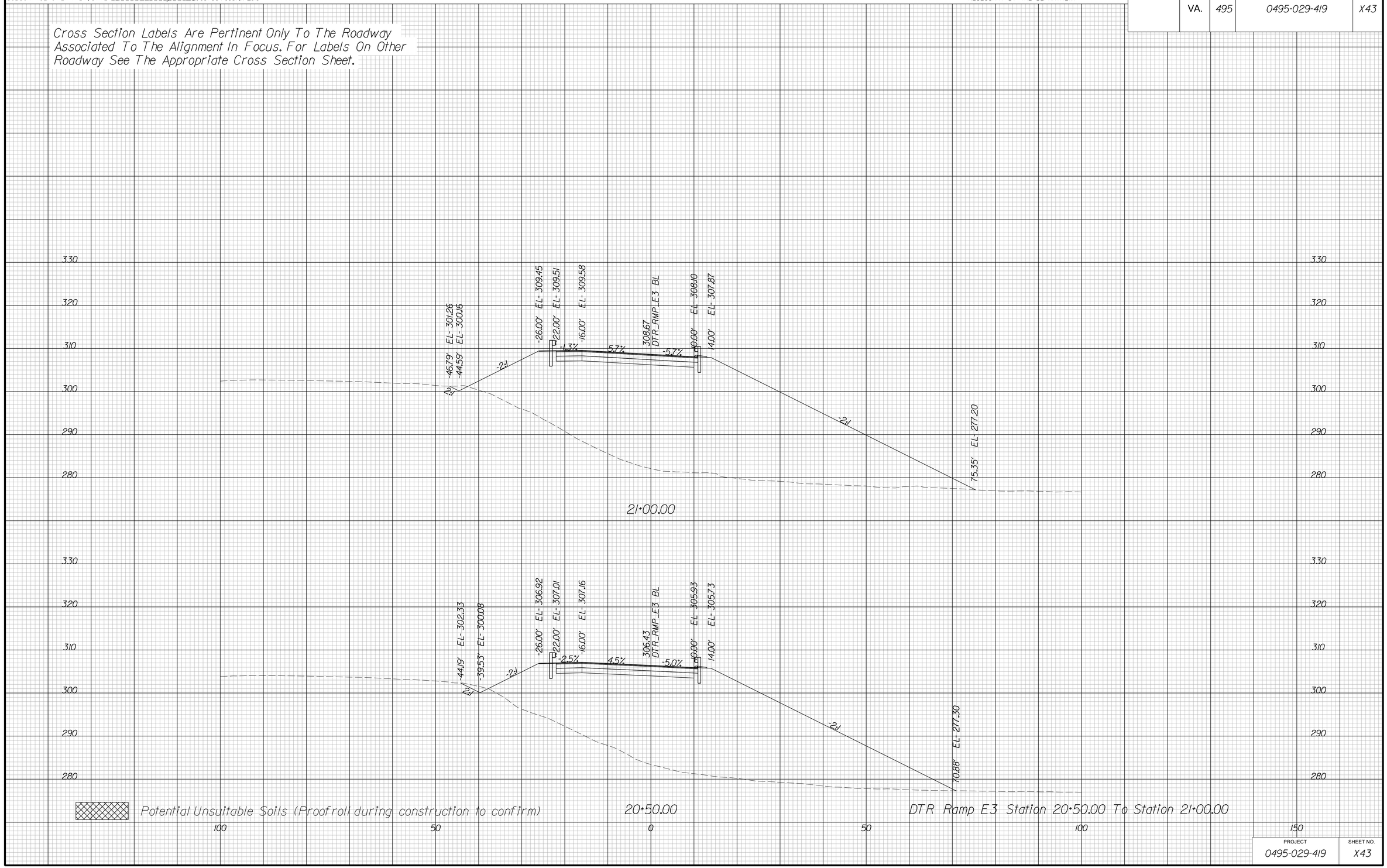
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X43

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Eischer, PE, (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong, PE, (571) 719-6471 Dewberry - Ron Jakominich PE, (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis, LS, (703) 334-0837, 1/2019

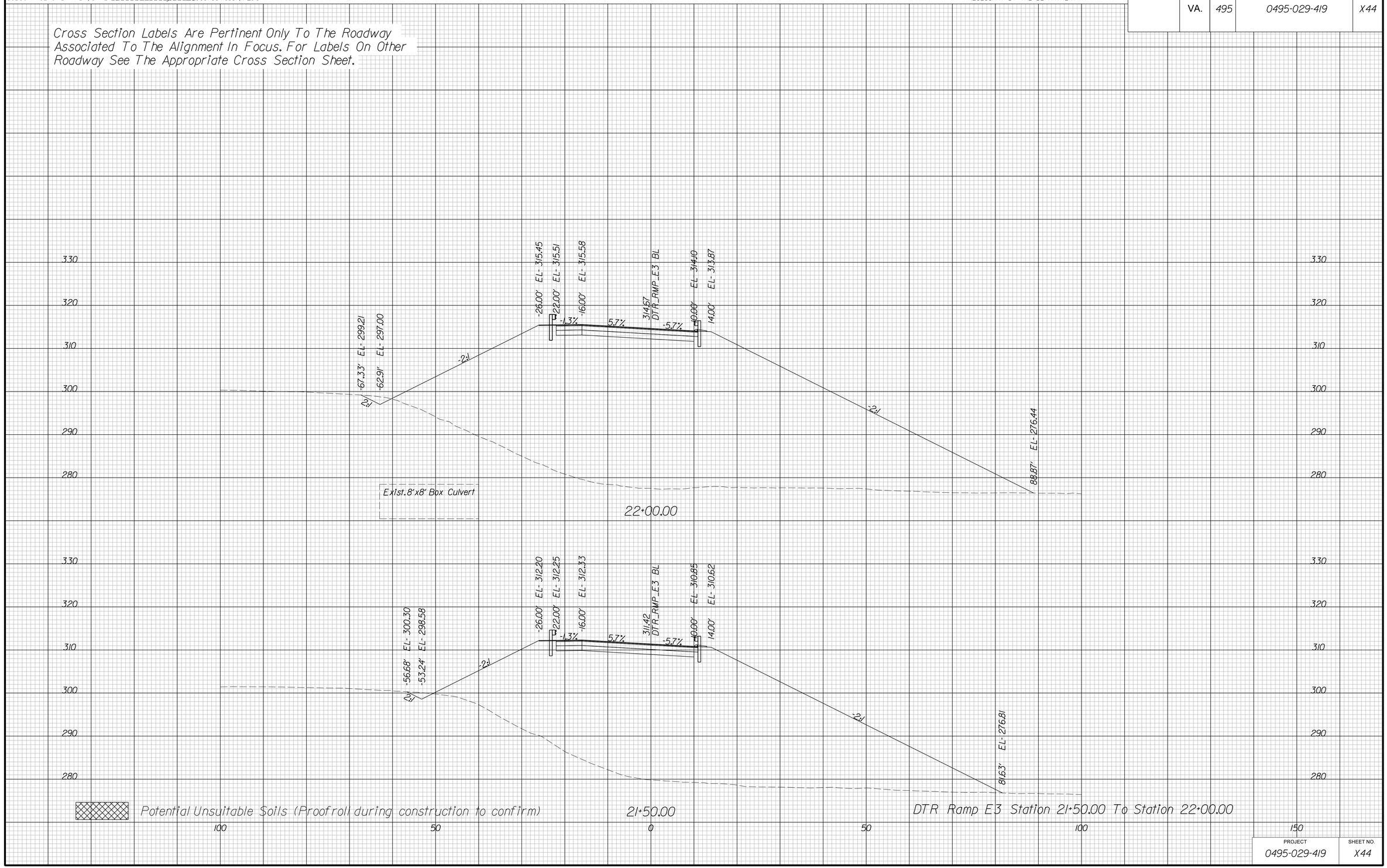
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X44

12/16/2022

12/16/2022
10:42:41 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

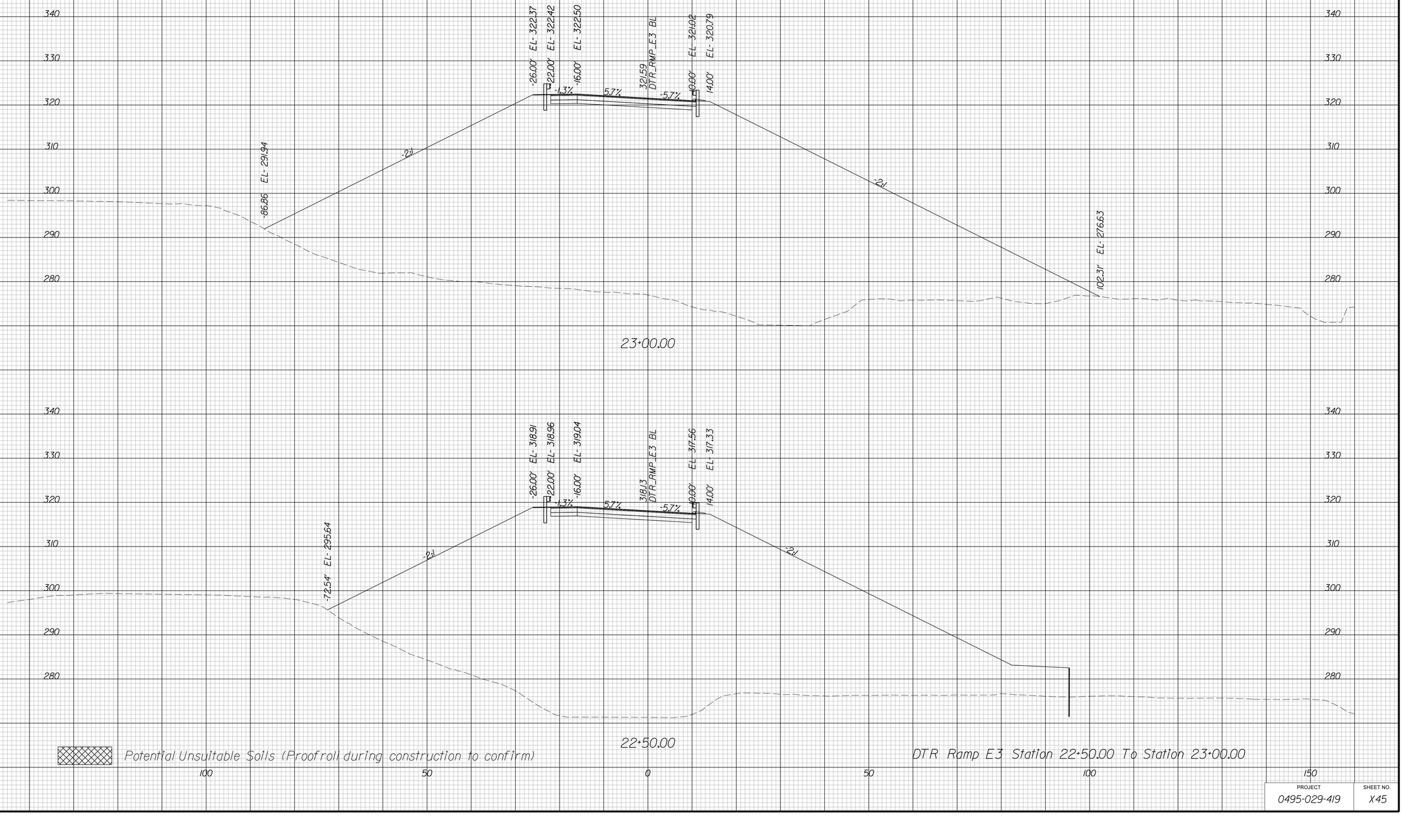
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X45

12/16/2022

12/16/2022
10:42:44 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
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SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

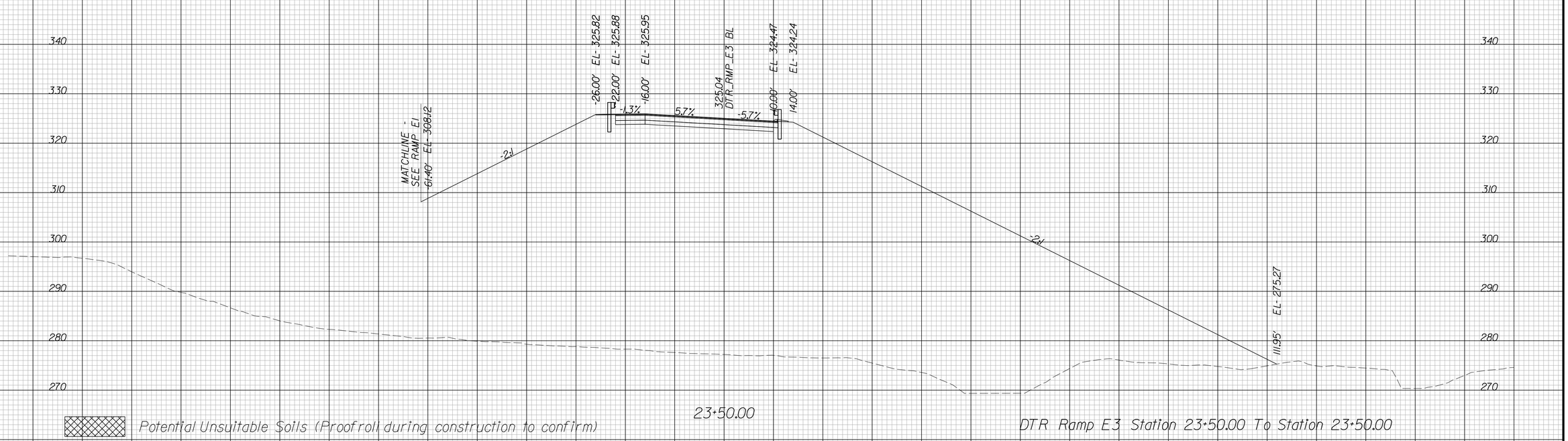
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

23+50.00

DTR Ramp E3 Station 23+50.00 To Station 23+50.00

PROJECT	SHEET NO.
0495-029-419	X46

12/16/2022

12/16/2022
10:42:47 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
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SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

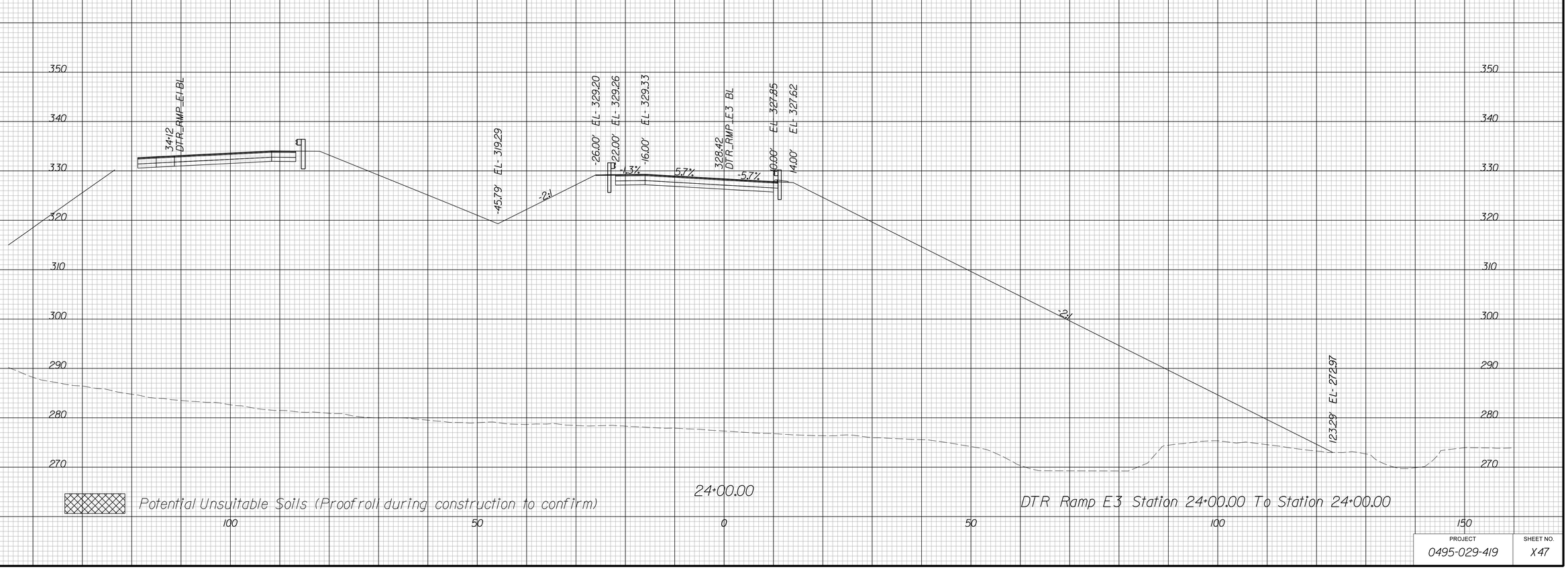
CROSS SECTIONS

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	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.



PROJECT	SHEET NO.
0495-029-419	X47

12/16/2022

12/16/2022
10:42:50 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
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SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

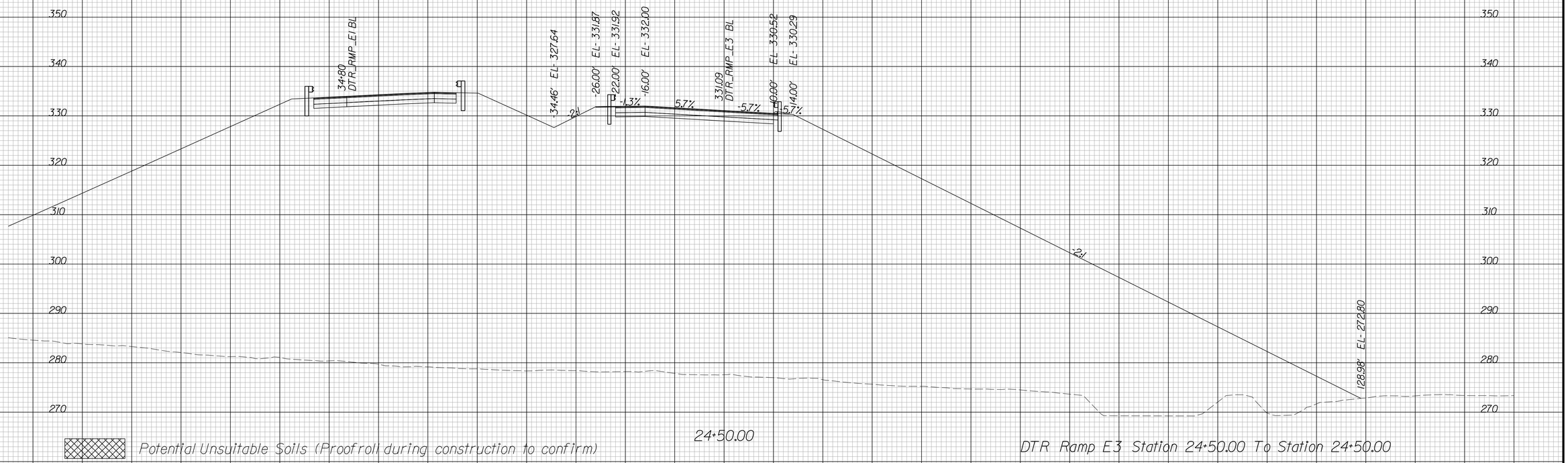
CROSS SECTIONS

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	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	SHEET NO.
0495-029-419	X48

12/16/2022

12/16/2022
10:42:53 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron 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 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	SHEET NO.
0495-029-419	X49

12/16/2022

12/16/2022
10:42:56 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

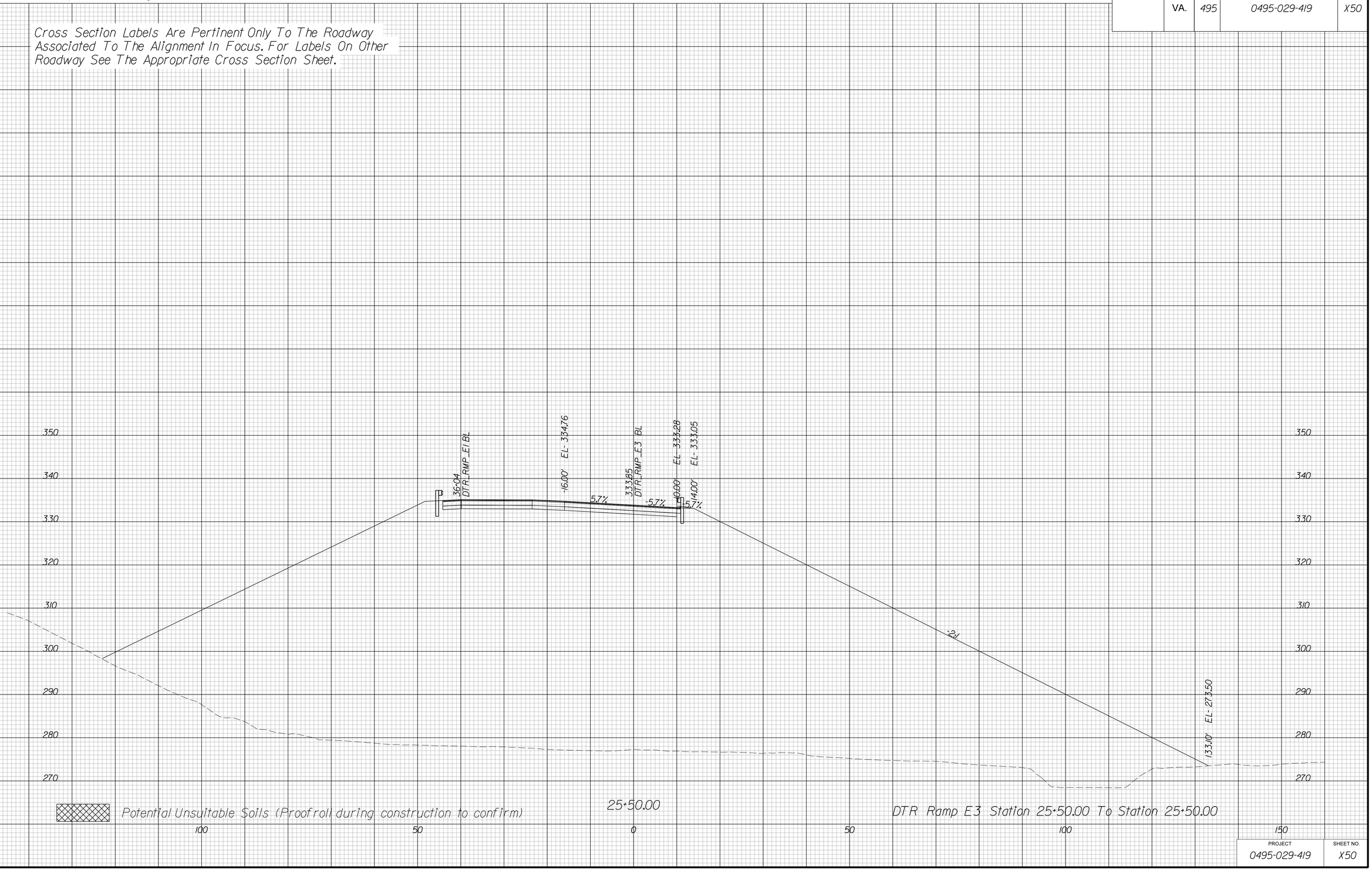
CROSS SECTIONS

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	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	SHEET NO.
0495-029-419	X50

12/16/2022

12/16/2022
10:42:59 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

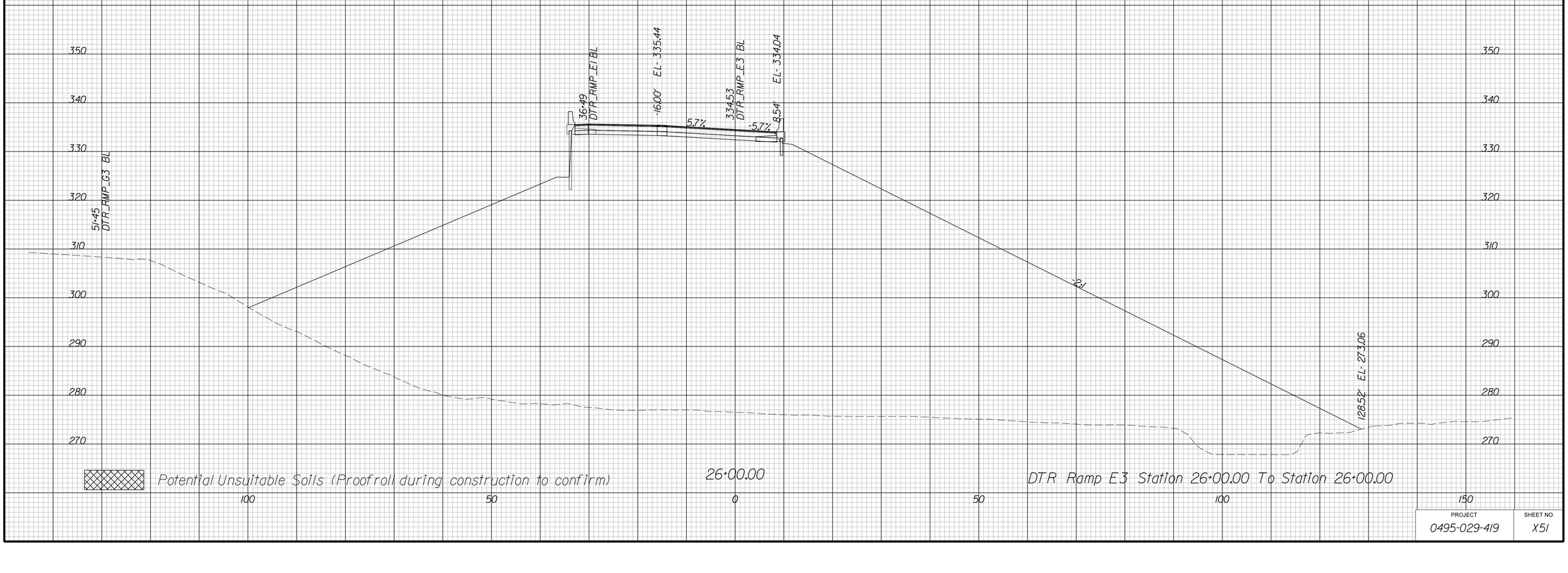
CROSS SECTIONS

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	X51

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	X51

12/16/2022

12/16/2022
10:43:02 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

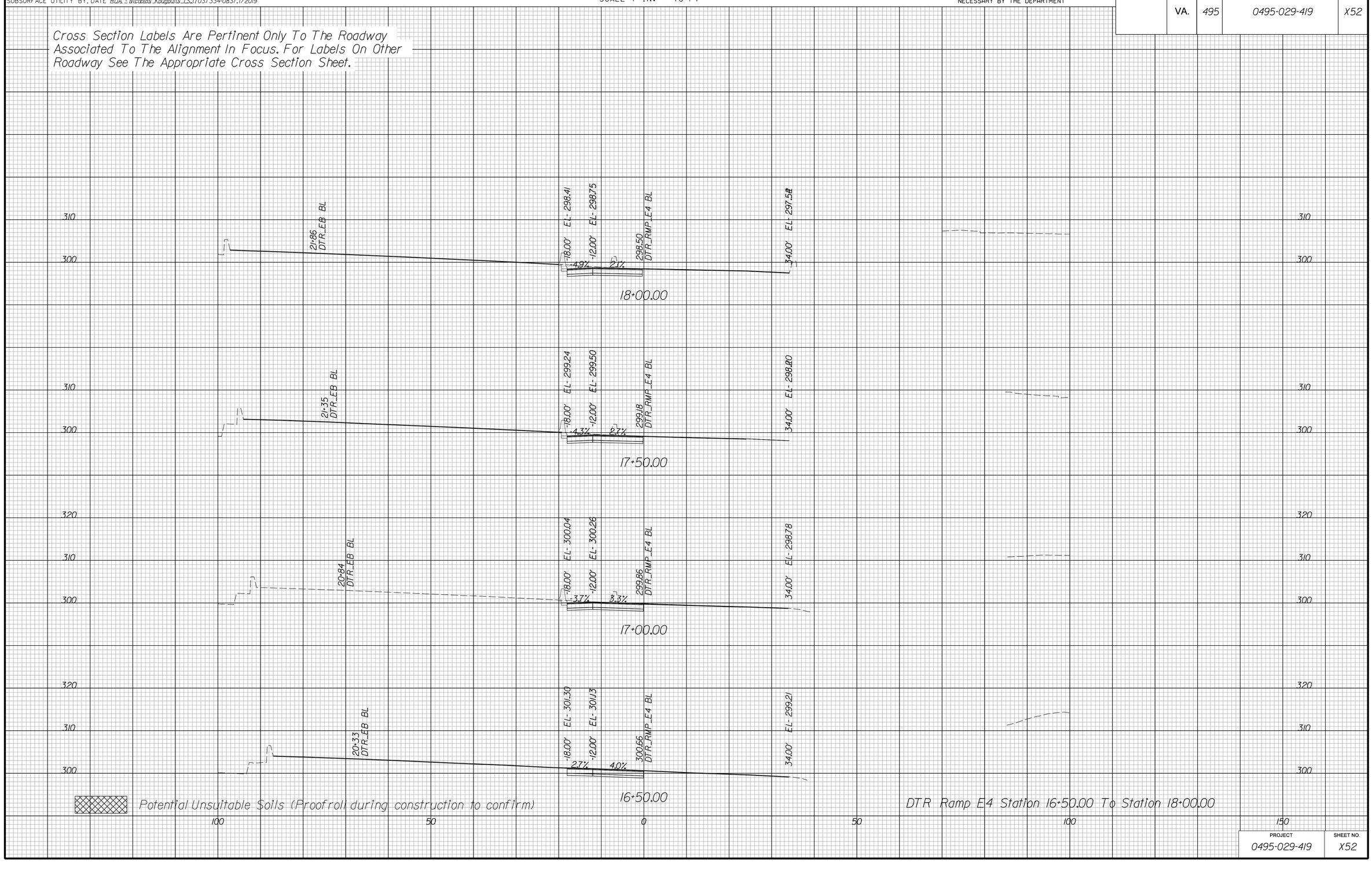
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X52

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)

DTR Ramp E4 Station 16+50.00 To Station 18+00.00

PROJECT	SHEET NO.
0495-029-419	X52

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837, 1/2019
DESIGN BY BDA. - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas_Kougoulis_LS_(703) 334-0837, 1/2019

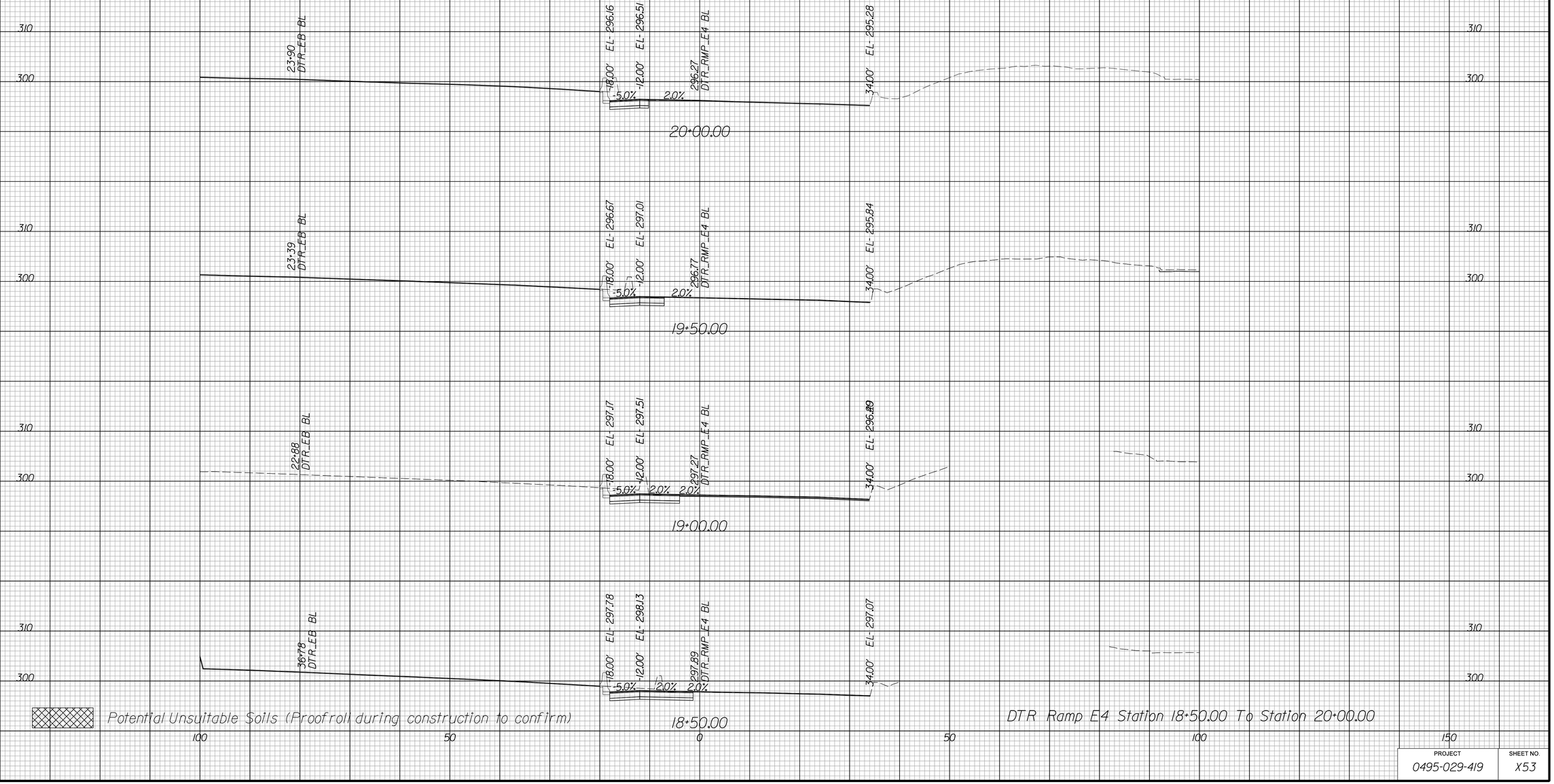
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp E4 Station 18+50.00 To Station 20+00.00

PROJECT	SHEET NO.
0495-029-419	X53

12/16/2022
10:43:06 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsher PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

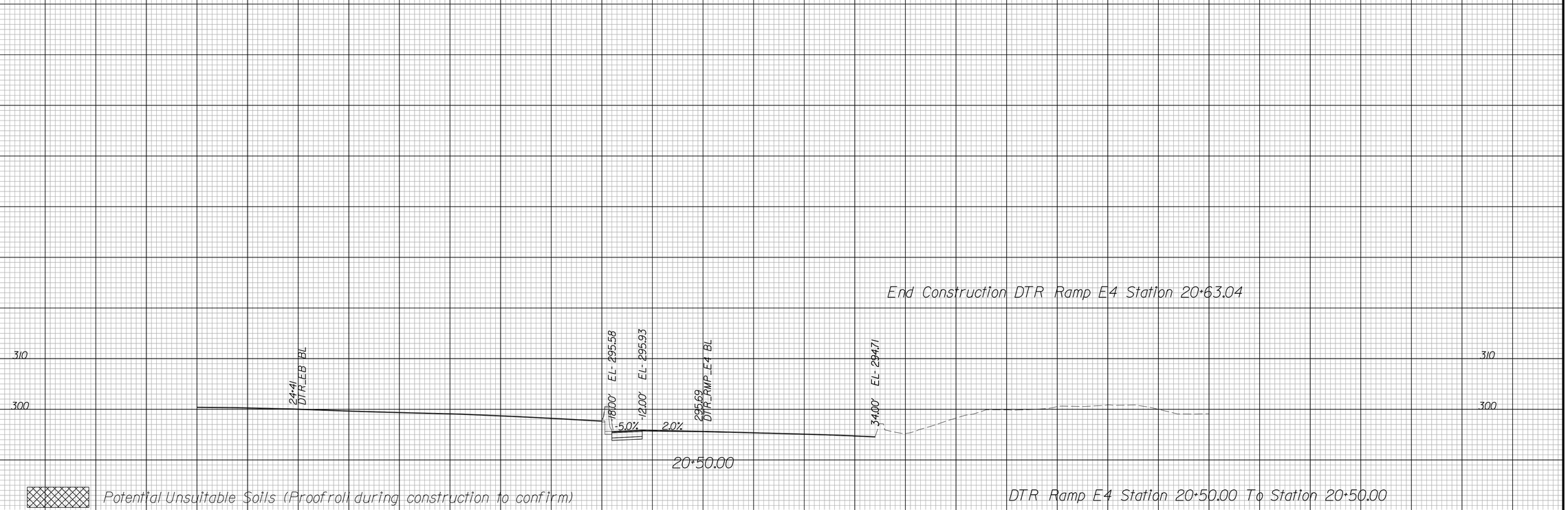
CROSS SECTIONS

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 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.



PROJECT	SHEET NO.
0495-029-419	X54

12/16/2022

12/16/2022
10:43:10 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

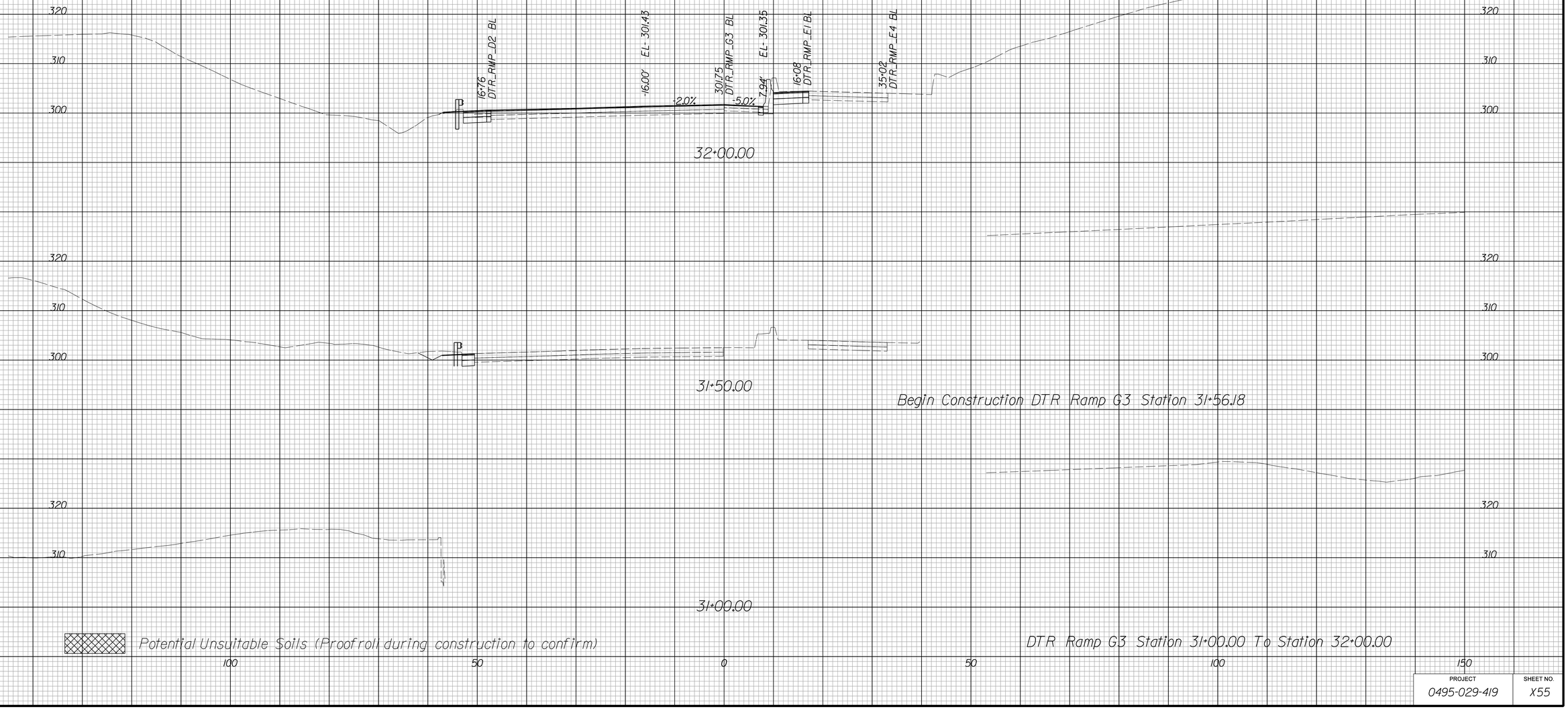
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X55

12/16/2022

12/16/2022
10:43:12 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elscher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

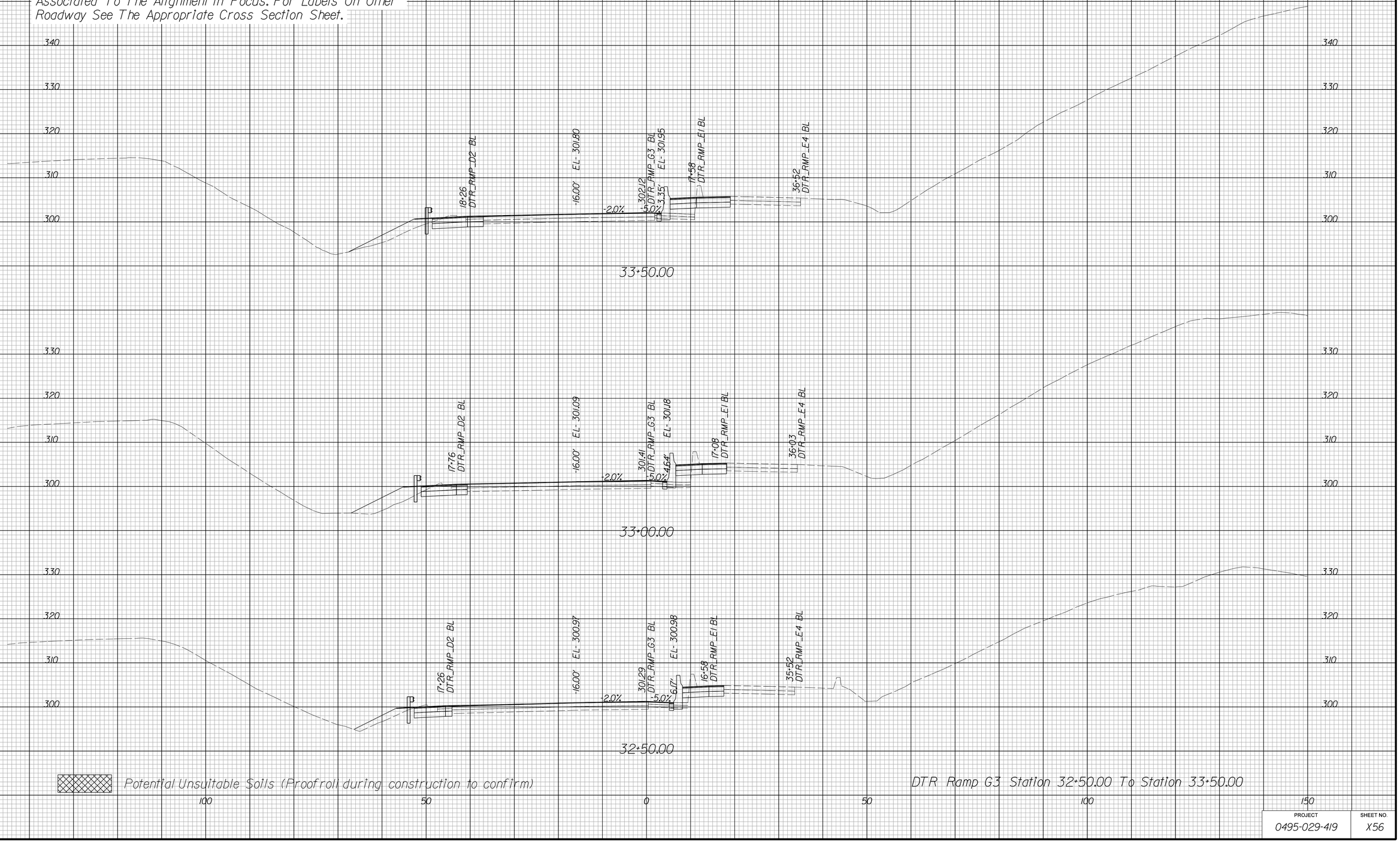
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	VA.	495	0495-029-419	X56

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)

DTR Ramp G3 Station 32+50.00 To Station 33+50.00

PROJECT	SHEET NO.
0495-029-419	X56

12/16/2022

12/16/2022
10:43:15 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elscher, PE. (703) 334-0823
SURVEYED BY, DATE BDA. - Nicholas Kougoulis, LS. (703) 334-0837, 1/2019
DESIGN BY BDA. - Rick Delong, PE. (571) 719-6471 Dewberry - Ron Jakominich PE. (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas Kougoulis, LS. (703) 334-0837, 1/2019

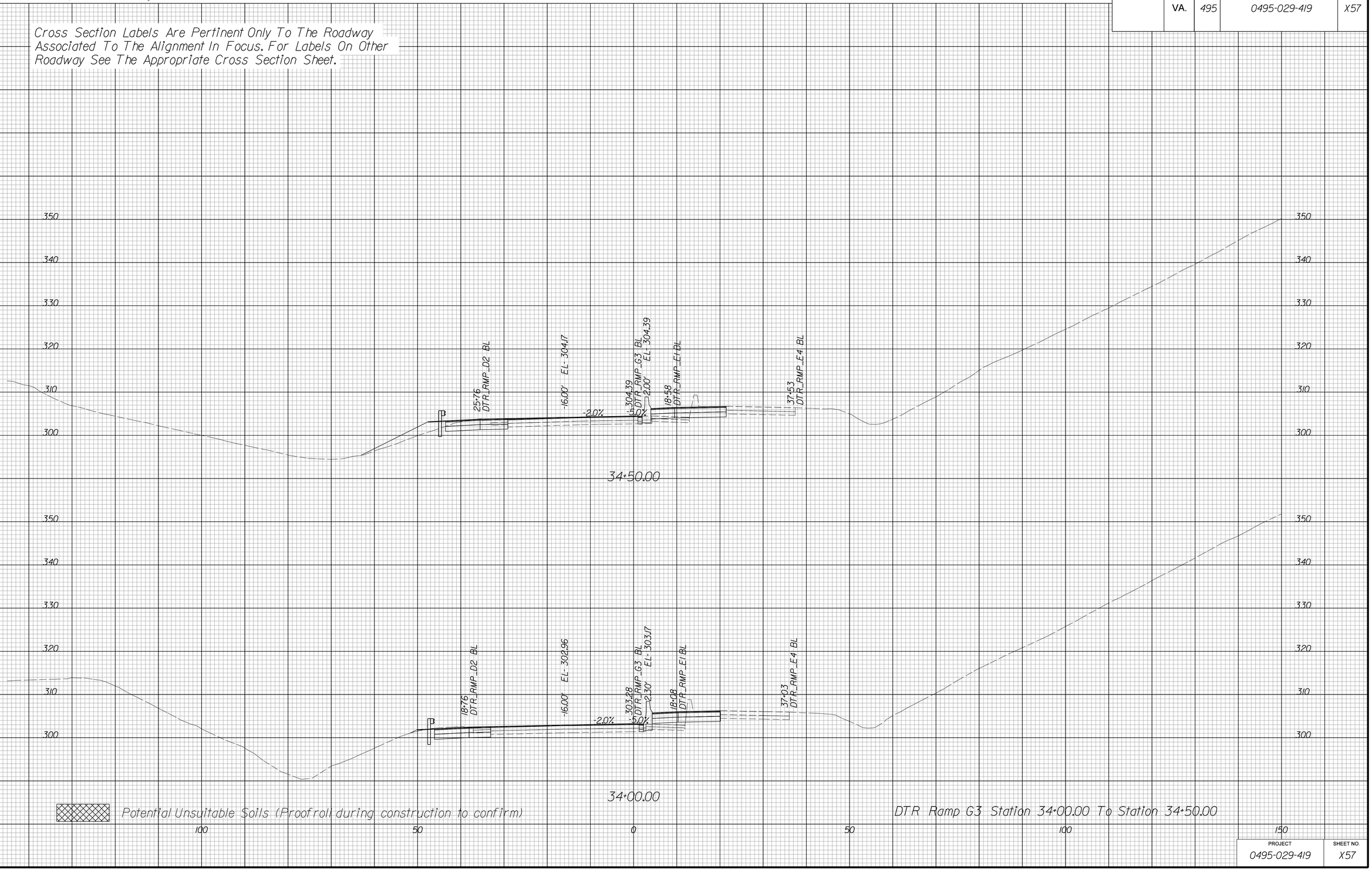
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp G3 Station 34+00.00 To Station 34+50.00

PROJECT	SHEET NO.
0495-029-419	X57

12/16/2022

12/16/2022
10:43:18 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

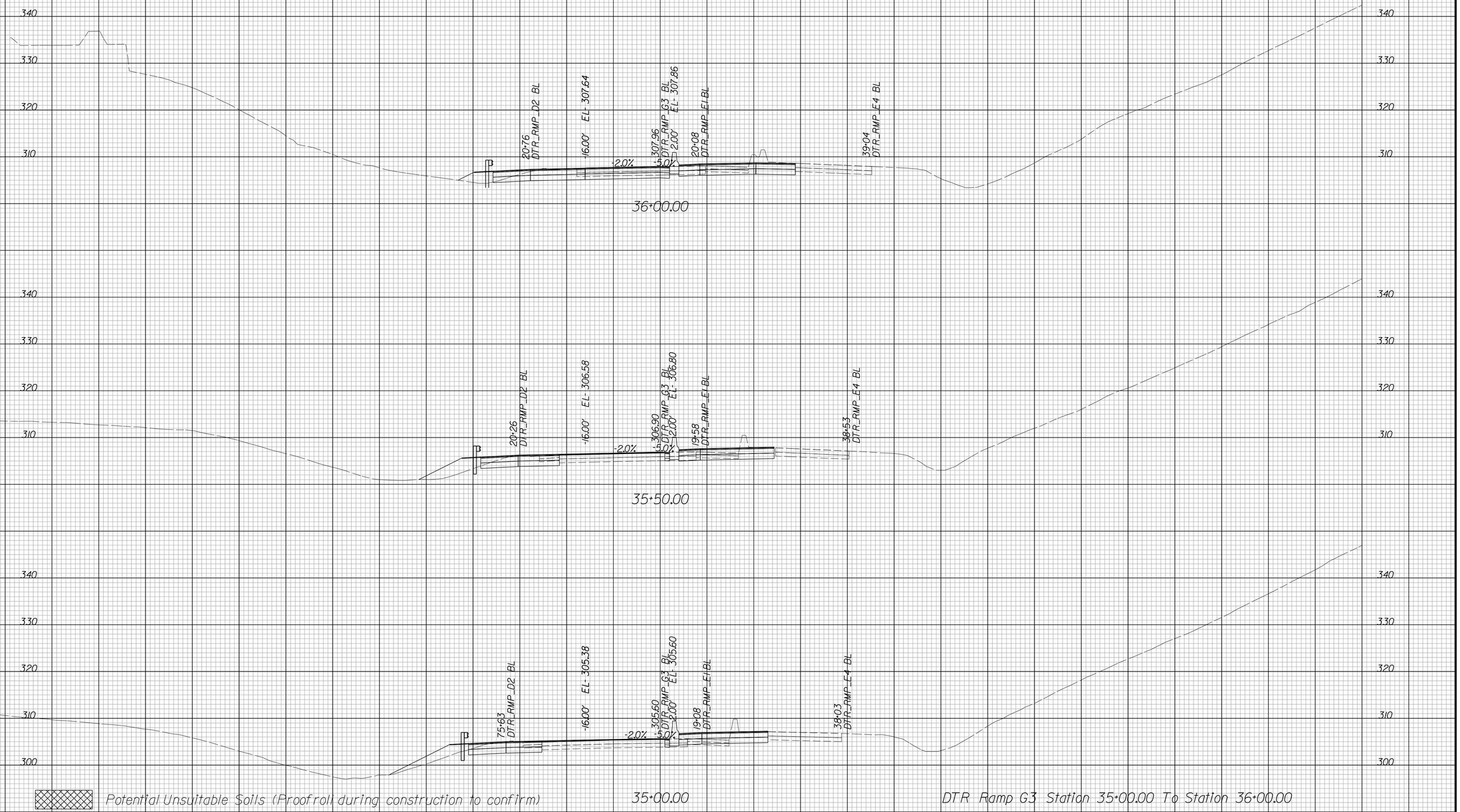
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp G3 Station 35+00.00 To Station 36+00.00

PROJECT	SHEET NO.
0495-029-419	X58

12/16/2022

12/16/2022
10:43:21 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA. - Darell Elsner, PE. (703) 334-0823
SURVEYED BY, DATE BDA. - Nicholas Kougoulis, LS. (703) 334-0837, 1/2019
DESIGN BY BDA. - Rick Delong, PE. (571) 719-6471 Dewberry - Ron Jakominich PE. (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA. - Nicholas Kougoulis, LS. (703) 334-0837, 1/2019

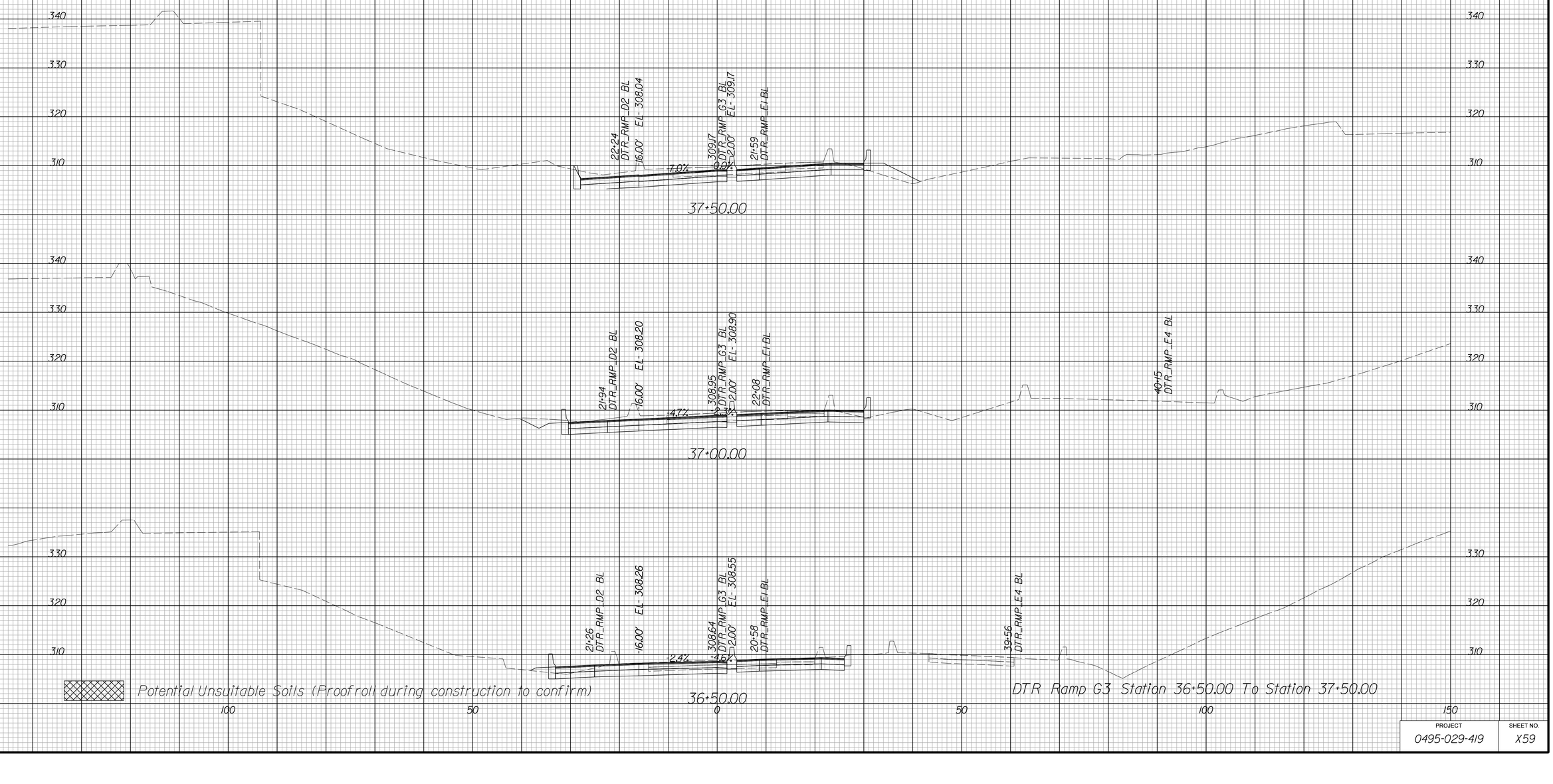
CROSS SECTIONS

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 ROUTE	STATE PROJECT	SHEET NO.
	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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

DTR Ramp G3 Station 36+50.00 To Station 37+50.00

PROJECT	SHEET NO.
0495-029-419	X59

12/16/2022

12/16/2022
10:43:24 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_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 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.

DTR Ramp G3 Station 38+00.00 To Station 39+00.00

PROJECT	SHEET NO.
0495-029-419	X60

12/16/2022

12/16/2022
10:43:26 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick Delong_PE_(571) 719-6471 Dewberry - Ron Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis_LS_(703) 334-0837_1/2019

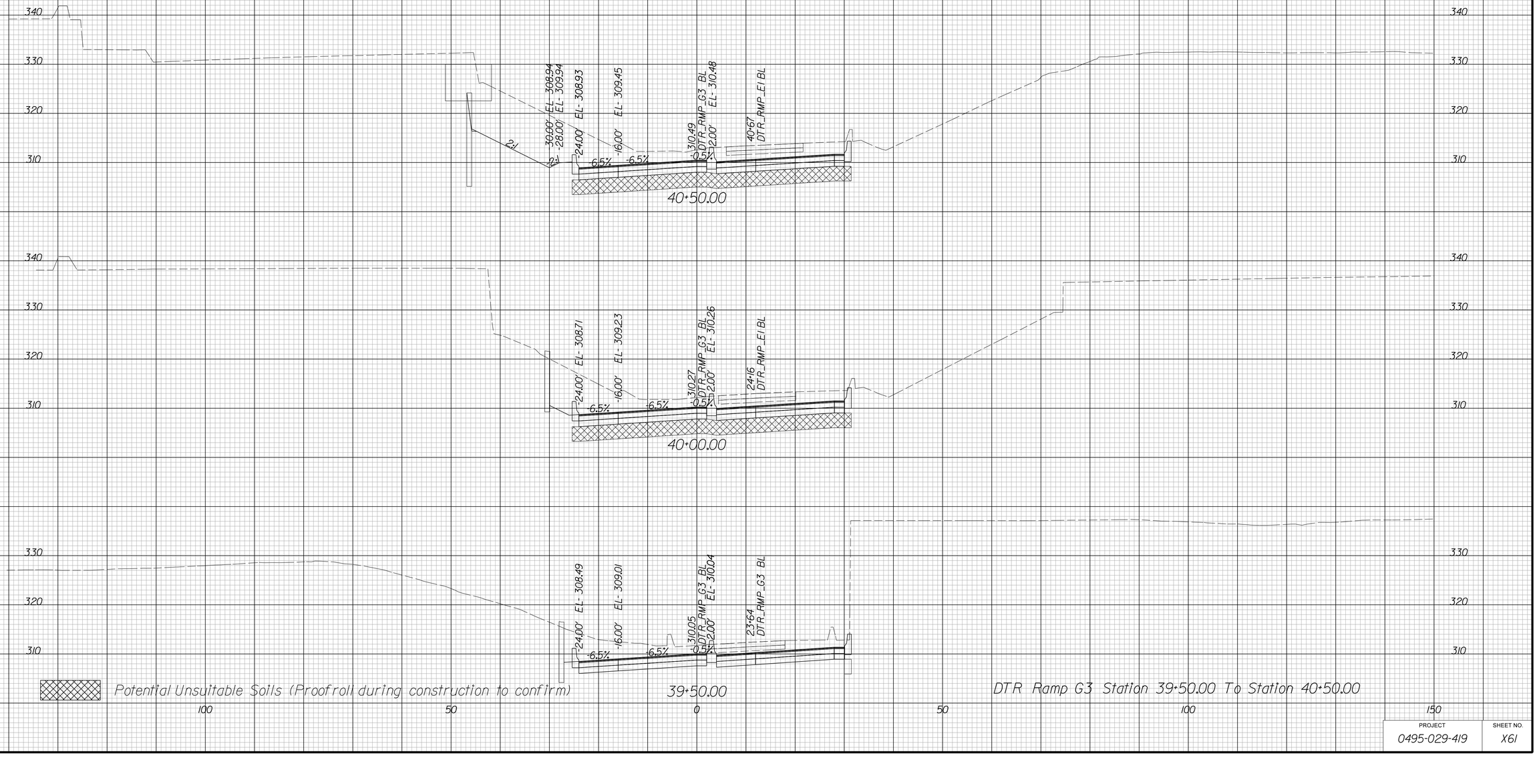
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X61

12/16/2022

12/16/2022
10:43:29 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

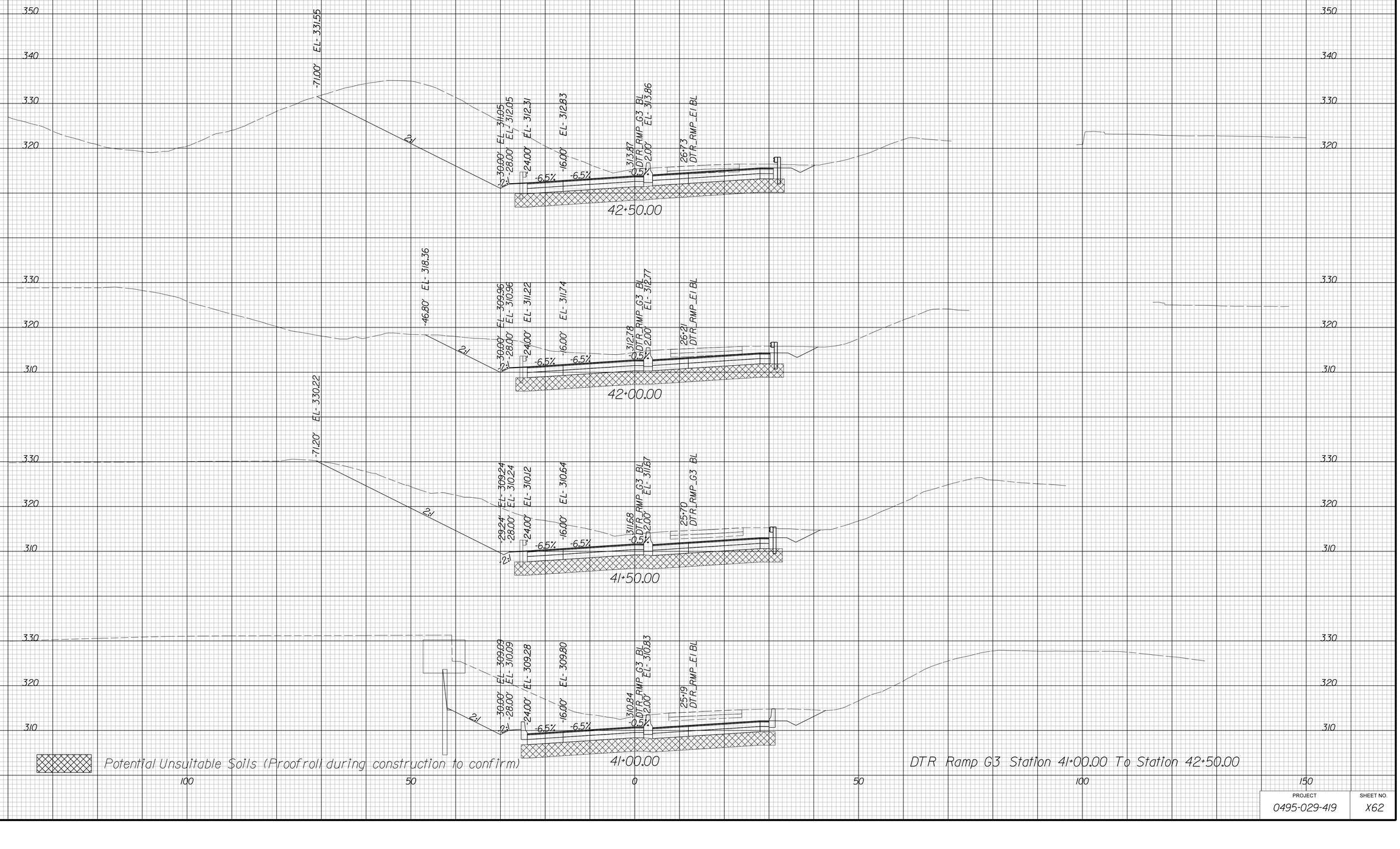
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X62

12/16/2022

12/16/2022
10:43:32 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsicher_PE_(703) 334-0823 _ _
SURVEYED BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019
DESIGN BY BDA - Rick_Delong_PE_(571) 719-6471 _Dewberry - Ron_Jakominich PE_(703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas_Kougoulis_LS_(703) 334-0837_1/2019

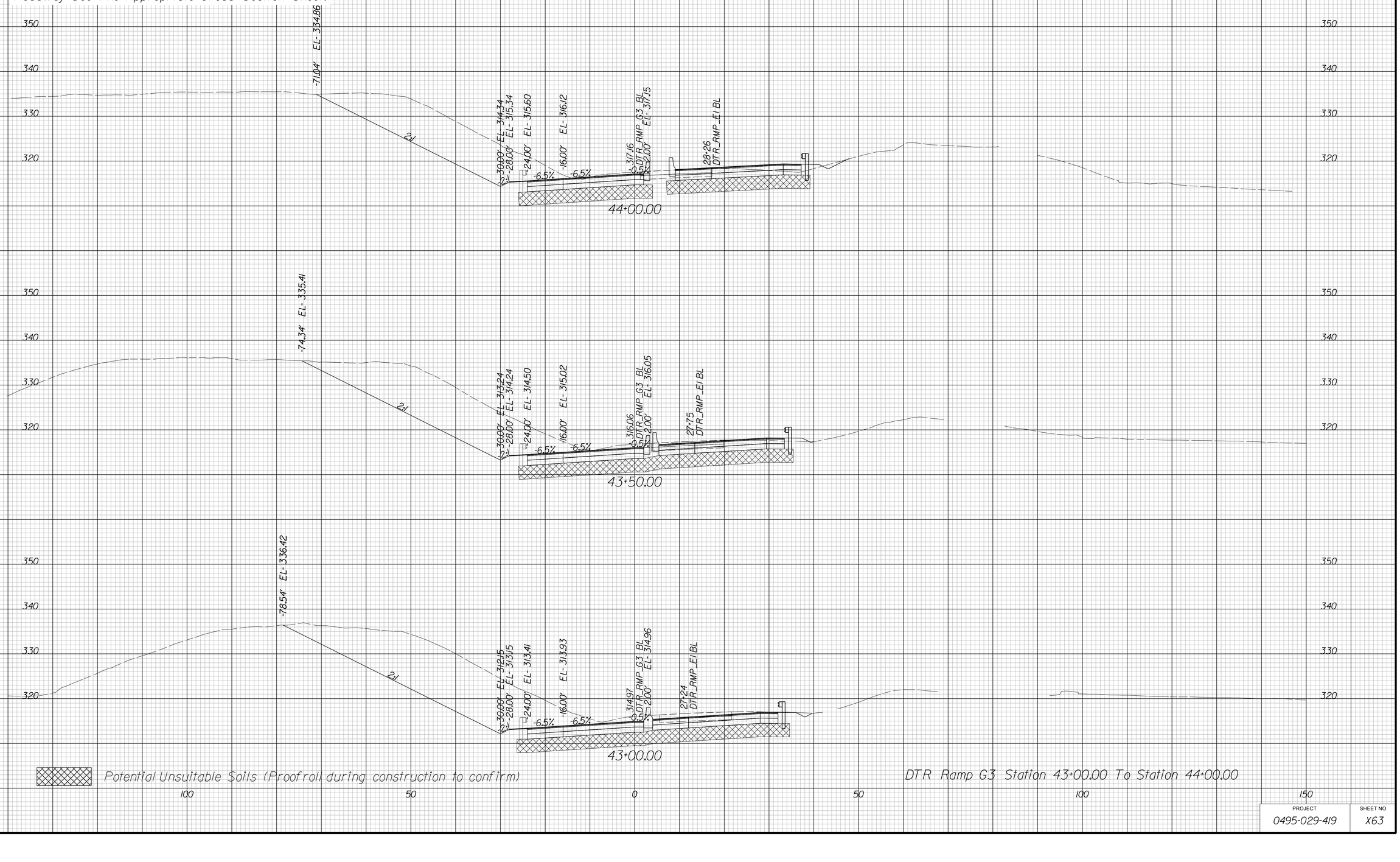
CROSS SECTIONS

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 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.



Potential Unsuitable Soils (Proof roll during construction to confirm)

DTR Ramp G3 Station 43+00.00 To Station 44+00.00

PROJECT	SHEET NO.
0495-029-419	X63

12/16/2022

12/16/2022
10:43:35 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Elsner PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

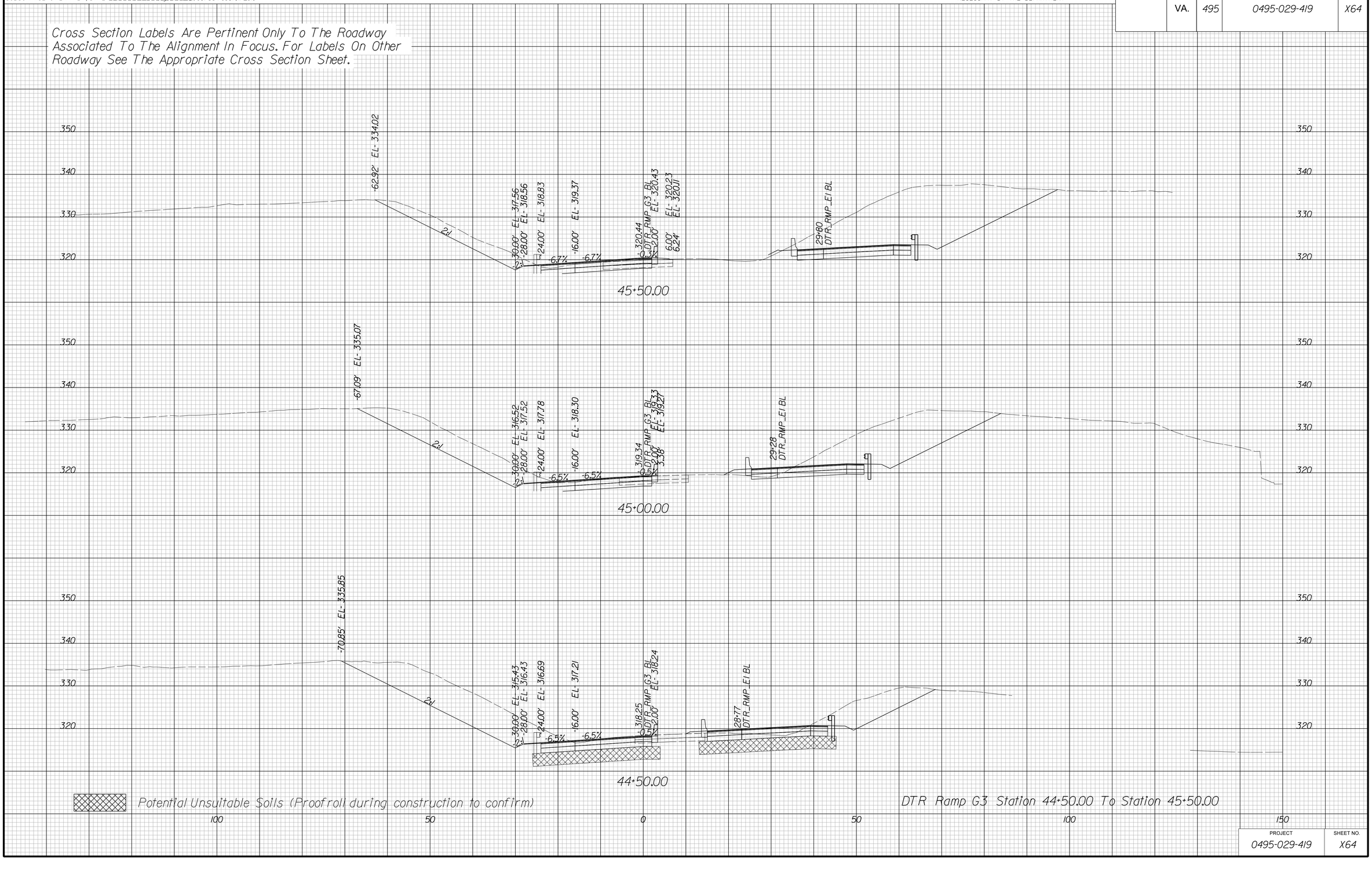
CROSS SECTIONS

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 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 (Proof roll during construction to confirm)

DTR Ramp G3 Station 44+50.00 To Station 45+50.00

PROJECT	SHEET NO.
0495-029-419	X64

12/16/2022

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

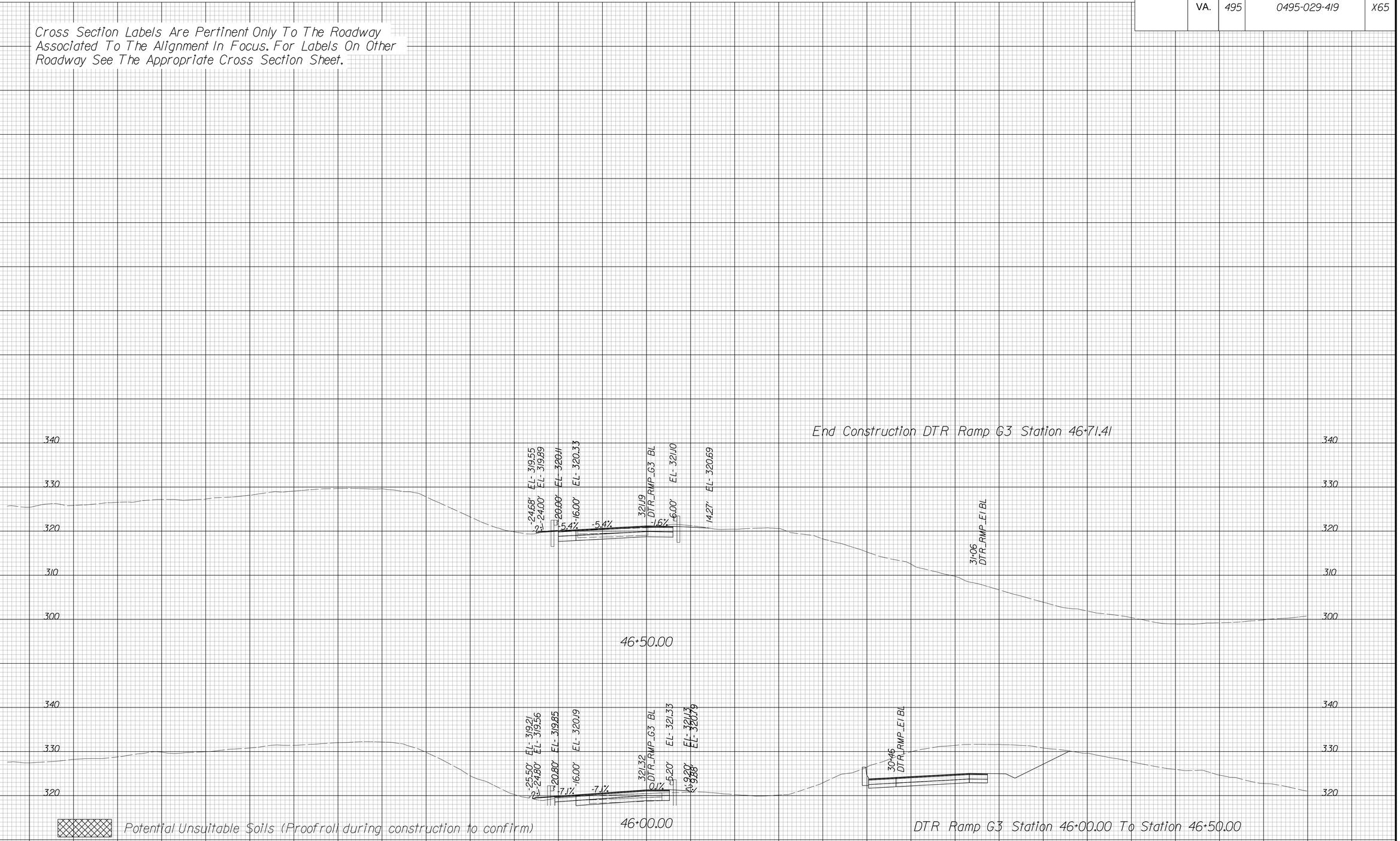
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X65

12/16/2022
10:43:40 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

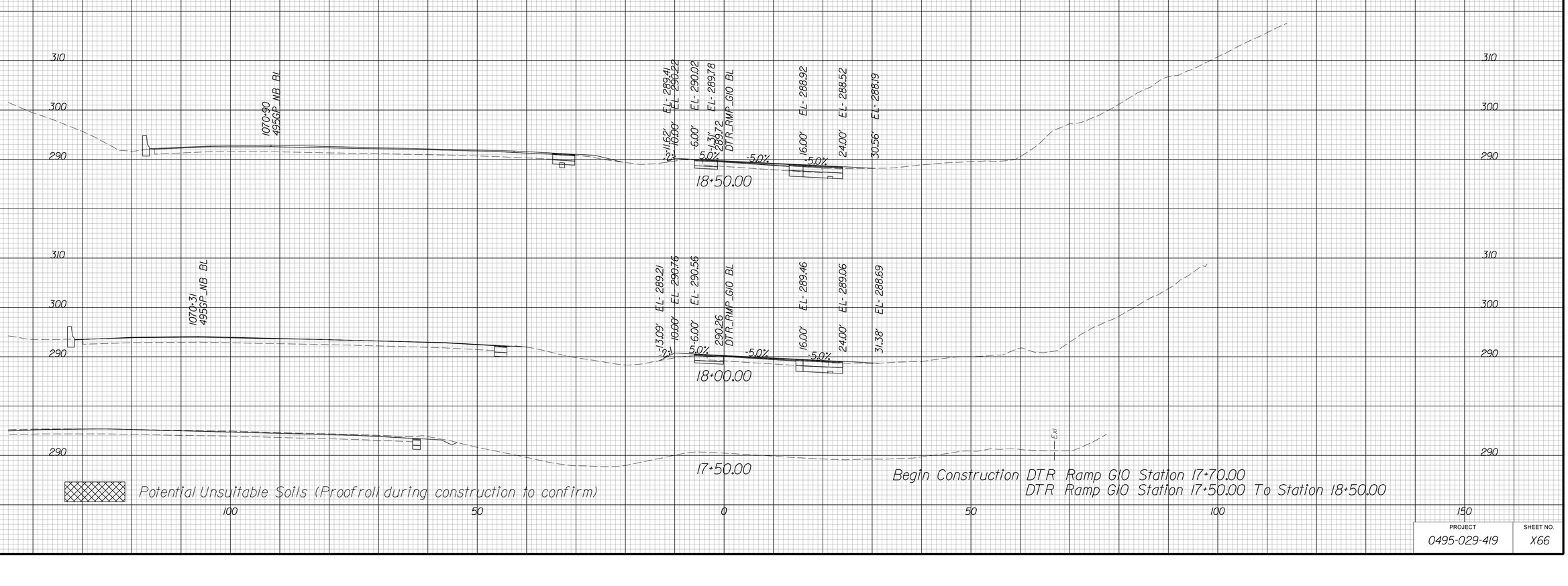
CROSS SECTIONS

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 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.



Begin Construction DTR Ramp G10 Station 17+70.00
DTR Ramp G10 Station 17+50.00 To Station 18+50.00

PROJECT	SHEET NO.
0495-029-419	X66

12/16/2022

12/16/2022
10:43:42 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019

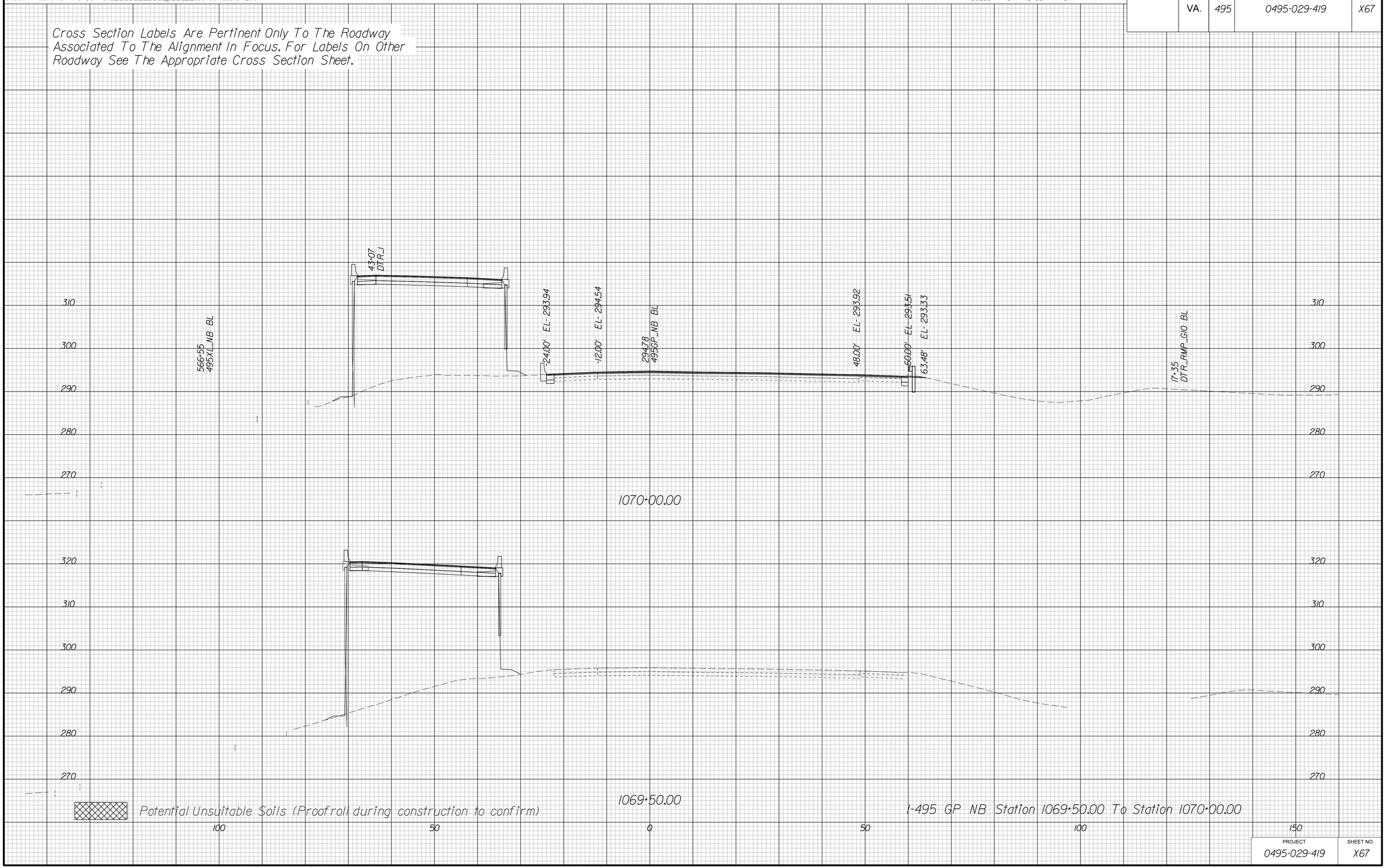
CROSS SECTIONS

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	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.



Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 GP NB Station 1069+50.00 To Station 1070+00.00

PROJECT	SHEET NO.
0495-029-419	X67

12/16/2022

12/16/2022
10:43:44 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019

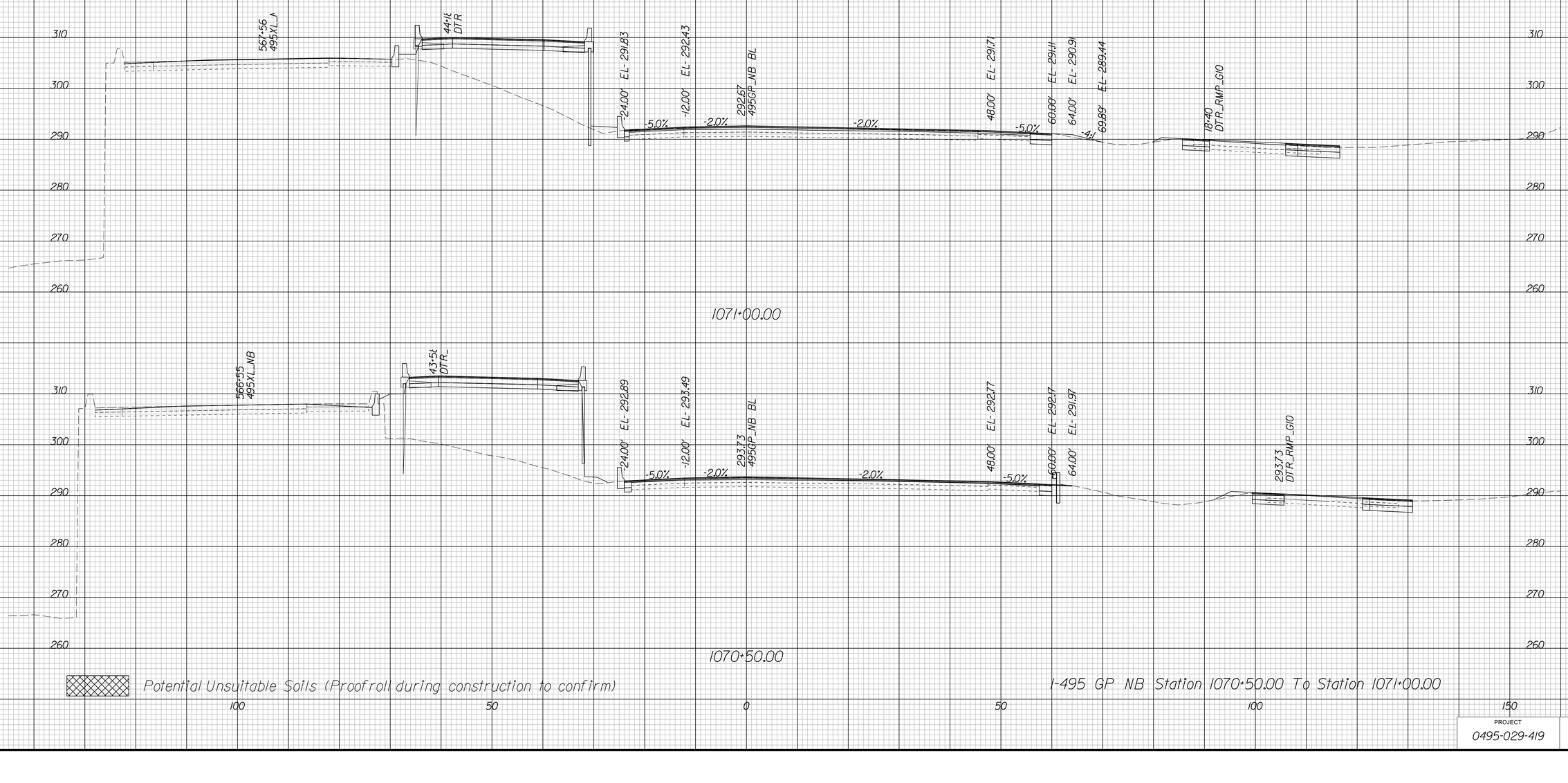
CROSS SECTIONS

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 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 GP NB Station 1070+50.00 To Station 1071+00.00

PROJECT	SHEET NO.
0495-029-419	X68

12/16/2022

12/16/2022
10:43:47 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837, 1/2019

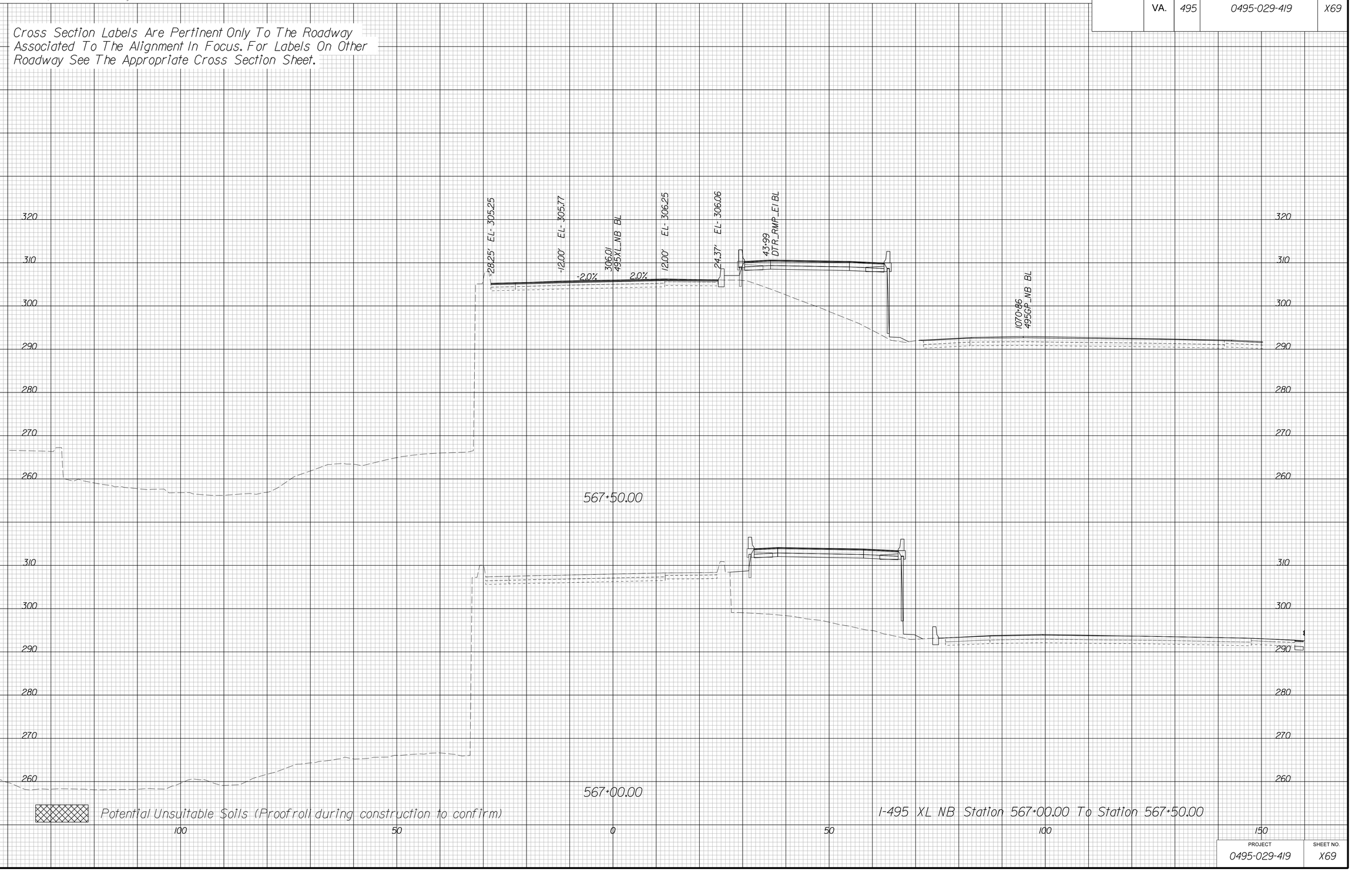
CROSS SECTIONS

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 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.



I-495 XL NB Station 567+00.00 To Station 567+50.00

PROJECT	SHEET NO.
0495-029-419	X69

12/16/2022

12/16/2022
10:43:49 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823 -
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron Jakominich PE (703) 849-0651
SUBSURFACE UTILITY BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019

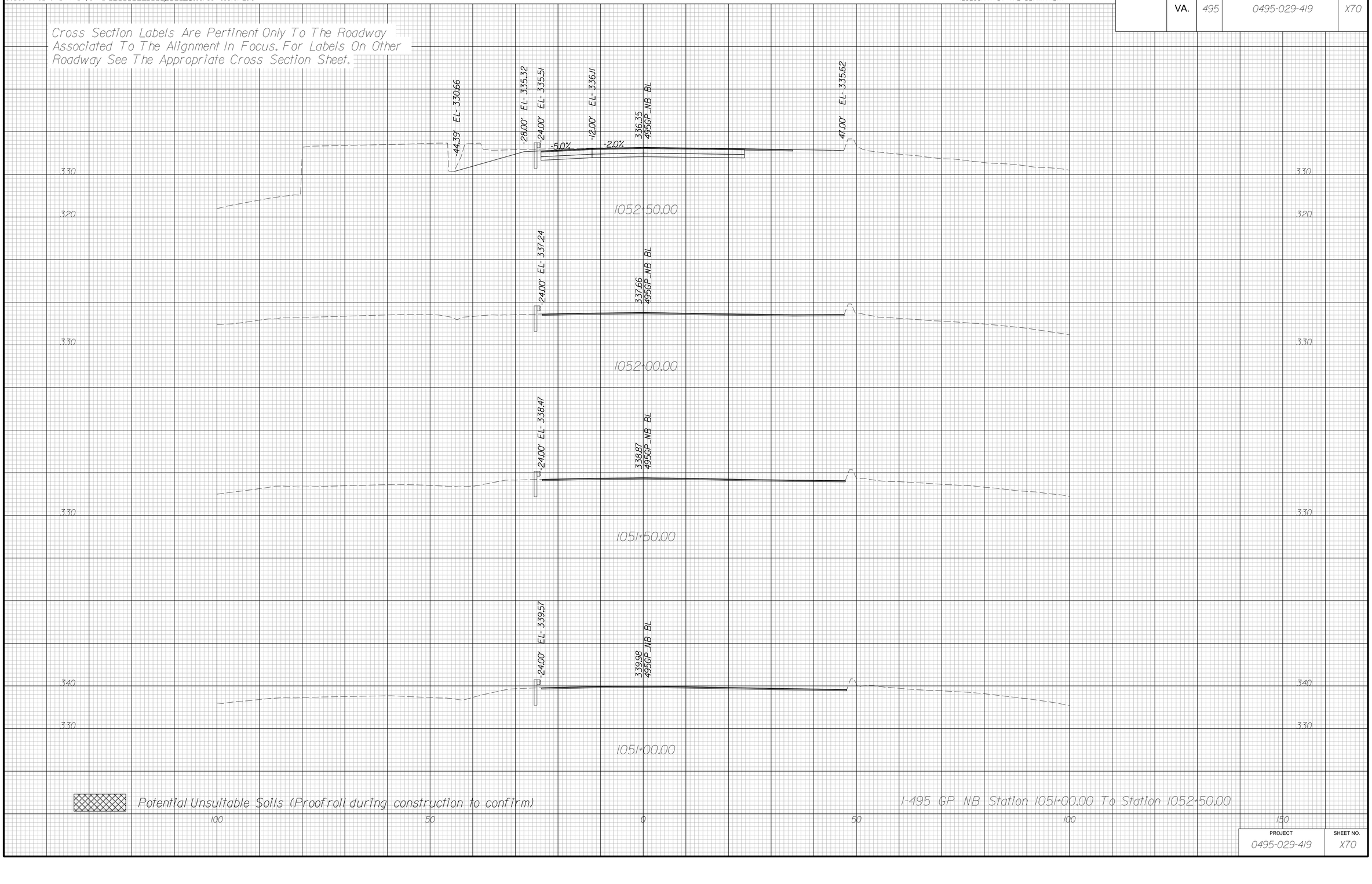
CROSS SECTIONS

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 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	SHEET NO.
0495-029-419	X70

12/16/2022

12/16/2022
10:43:51 AM

LIMITED ACCESS HIGHWAY By Resolution of State Highway Commission dated October 4, 1956

LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated May 17, 2022

PROJECT MANAGER BDA - Darrell Fischer PE (703) 334-0823
SURVEYED BY, DATE BDA - Nicholas Kougoulis LS (703) 334-0837 1/2019
DESIGN BY BDA - Rick Delong PE (571) 719-6471 Dewberry - Ron 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 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.

1055+00.00

EL- 329.94
26.17'
330.51 4956P_NB BL

EL- 331.18
24.00'
-2.0%
EL- 331.42
12.00'
-2.0%
33166 4956P_NB BL
-2.0%
EL- 1835.93
36.00'
-2.0%
EL- 330.71
48.00'

1054+50.00

EL- 334.70
24.00'
-2.0%
-2.0%
335.18 4956P_NB BL
-2.0%
EL- 334.46
36.00'
EL- 334.22
48.00'
EL- 328.93
53.00'

EL- 312.62
29.00'

1053+00.00

330
320
310
300

100 50 0 50 100 150

Potential Unsuitable Soils (Proofroll during construction to confirm)

I-495 GP NB Station 1053+00.00 To Station 1055+00.00

PROJECT	SHEET NO.
0495-029-419	X71

12/16/2022