LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

STATE	ROUTE	STATE PROJECT	SHEET NO.
VA.	621	6234-076-266, C-501, RW-201	1

FHWA 534 DATA 43101

FOR INDEX OF SHEETS SEE SHEET 1B-1B(1)

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
Openroads / GEOPAK Computer Identification No. 112815

VDOT FUNCTIONAL CLASSIFICATION LEGEND
GS-1 (Urban Freeway System)
GS-6 (Urban Minor Arterial System)

Prince William County — Dept. of Transportation

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

PRINCE WILLIAM PARKWAY INTERCHANGE AT REALIGNED BALLS FORD ROAD

VDOT Proj.No.6234-076-266

FROM: 0.6 MI. S. OF EXISTING BALLS FORD ROAD (RTE.621)
TO: EXISTING BALLS FORD ROAD (RTE.621)

PUBLIC HEARING PLAN
APRIL 2020

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON-NHS URBAN MINOR ARTERIAL STREET SYSTEM - ROLLING - GS-6 (621, BALLS FORD RD.) PRINCE WILLIAM COUNTY STANDARD MA-1	
	Fr: Jenell Dr. To: Groveton Rd.
ADT (2017)	19,000 (W. of Rte. 234) 17,000 (E. of Rte. 234) 15,000 (Devlin Rd)
ADT (2040)	28,000
DHV	3,700
D (%) (design hour)	0.66 / 0.34
T (%) (design hour)	12
V (MPH)	⊛ 45 MPH (DDI - 30 MPH)
TC ST'D.	TC-5.11U (DDI - TC-5.11U)

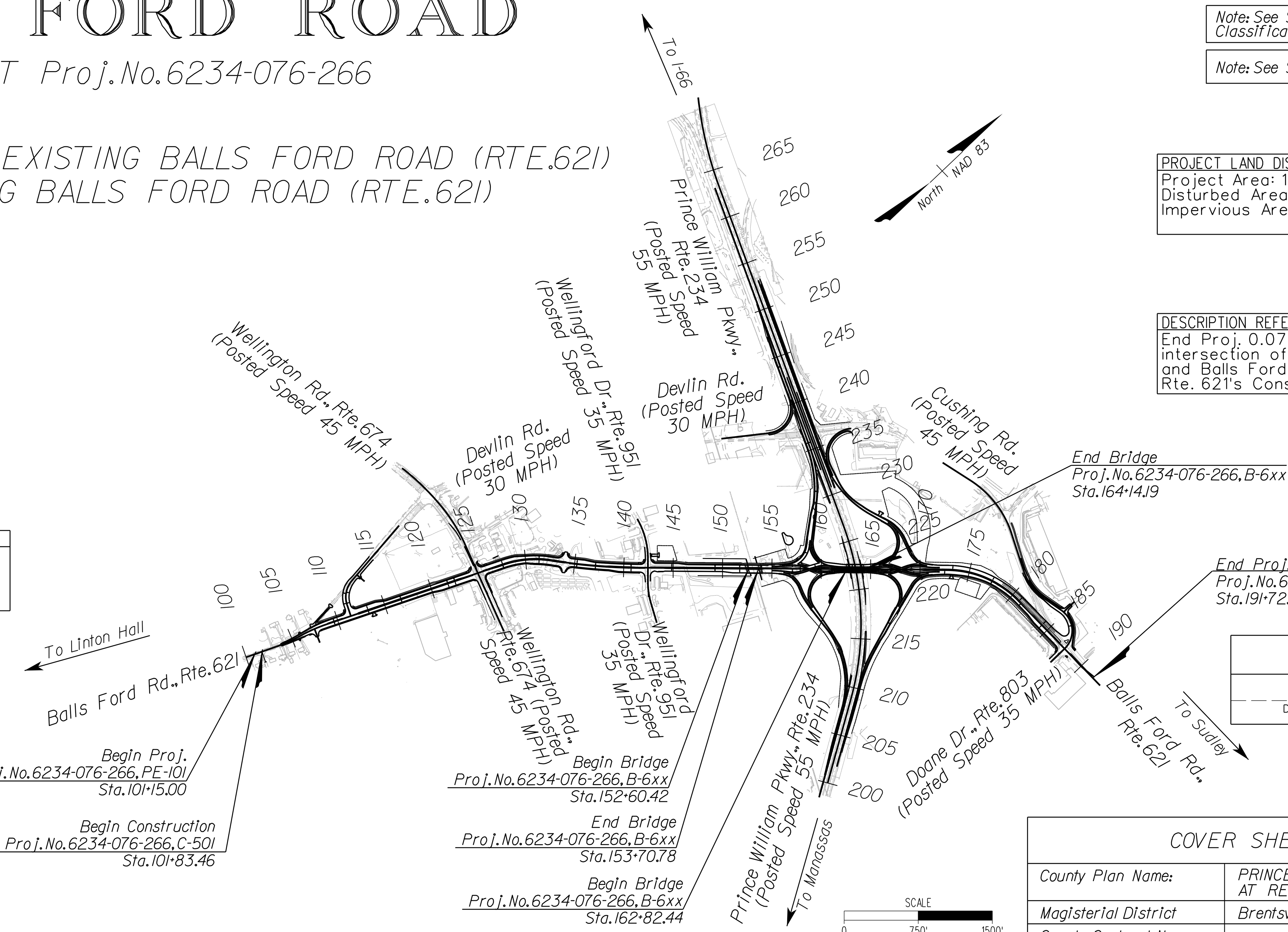
Note: See Sheet 1A for Functional Classification and Traffic Data.

Note: See Sheet 1A(2) for Sheet Layout.

PROJECT LAND DISTURBANCE
Project Area: 121.12 Acres
Disturbed Area: 108.39 Acres
Impervious Area: 31.36 Acres

DESCRIPTION REFERENCE
End Proj. 0.079 mi. E. of the intersection of Doane Dr. (Rte 803) and Balls Ford Rd. (Rte. 621) along Rte. 621's Constr. BL at Sta. 191+72.48.

DESCRIPTION REFERENCE
Begin Proj. 0.194 mi. W. of the intersection of Devlin Rd. and Balls Ford Rd. (Rte. 621) along Rte. 621's Constr. BL at Sta. 101+15.00.



APPROVED FOR CONSTRUCTION BY PRINCE WILLIAM COUNTY

DATE	DIRECTOR OF TRANSPORTATION

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

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S:
- 2016 ROAD AND BRIDGE SPECIFICATIONS,
- 2016 ROAD AND BRIDGE STANDARDS,
- 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD),
- 2011 VIRGINIA SUPPLEMENT TO THE MUTCD,
- 2011 VIRGINIA WORK AREA PROTECTION MANUAL including Revision 2 (September 1, 2019),

AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC .PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U/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.

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

NOTE: PROJECT LENGTH BASED ON BALLS FORD RD. (RTE. 621) CONSTRUCTION BASELINE
Prince William County Population 468,011 (2018 Est. CENSUS)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	PPMS NO.	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	DESCRIPTION
6234-076-266	C-501	-	F000	-	8989.02	1.703	8746.91	1.657	Construction	From 0.181 mi. W of Devlin Rd. to 0.079 mi. E. of Doane Dr. (Rte. 803)
	PE-101	-	PENG	-	9057.48	1.715	8815.37	1.669	Prelim. Engineering	From 0.194 mi. W of Devlin Rd. to 0.079 mi. E. of Doane Dr. (Rte. 803)
	RW-201	-	ROWA	-	---	---	---	---	R/W	-----
	B-6xx	-	-	-	110.36	0.021	-	-	Bridge	Bridge passing over Railroad Tracks
	B-6xx	-	-	-	131.75	0.025	-	-	Bridge	Bridge passing over Prince William Pkwy.

COVER SHEET INFORMATION	
County Plan Name:	PRINCE WILLIAM PARKWAY INTERCHANGE AT REALIGNED BALLS FORD ROAD
Magisterial District	Brentsville
County Contract No.:	
VDOT Project No.:	6234-076-266
County Project Manager	Mary Ankers
	Prince William Department of Transportation
Address and Phone	5 County Complex Court, Suite 290
	Prince William, VA 22192. Phone: (703) 792-5276
Construction Contractor	The Lane Construction Corporation
	Design Build Project Manager, Richard McDonough, P.E.
Consultant Engineer	Rinker Design Associates, P.C.
	Design Build Design Manager, Mark Gunn, P.E.
Address and Phone	11100 Endeavor Court, Suite 200
	Manassas, VA 20109. Phone: (703) 334-9300

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060, July 2019

Rinker Design Associates, P.C.
LANE

NOVA DISTRICT DESIGN UNIT

6/11/2020

PH PLAN

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

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PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

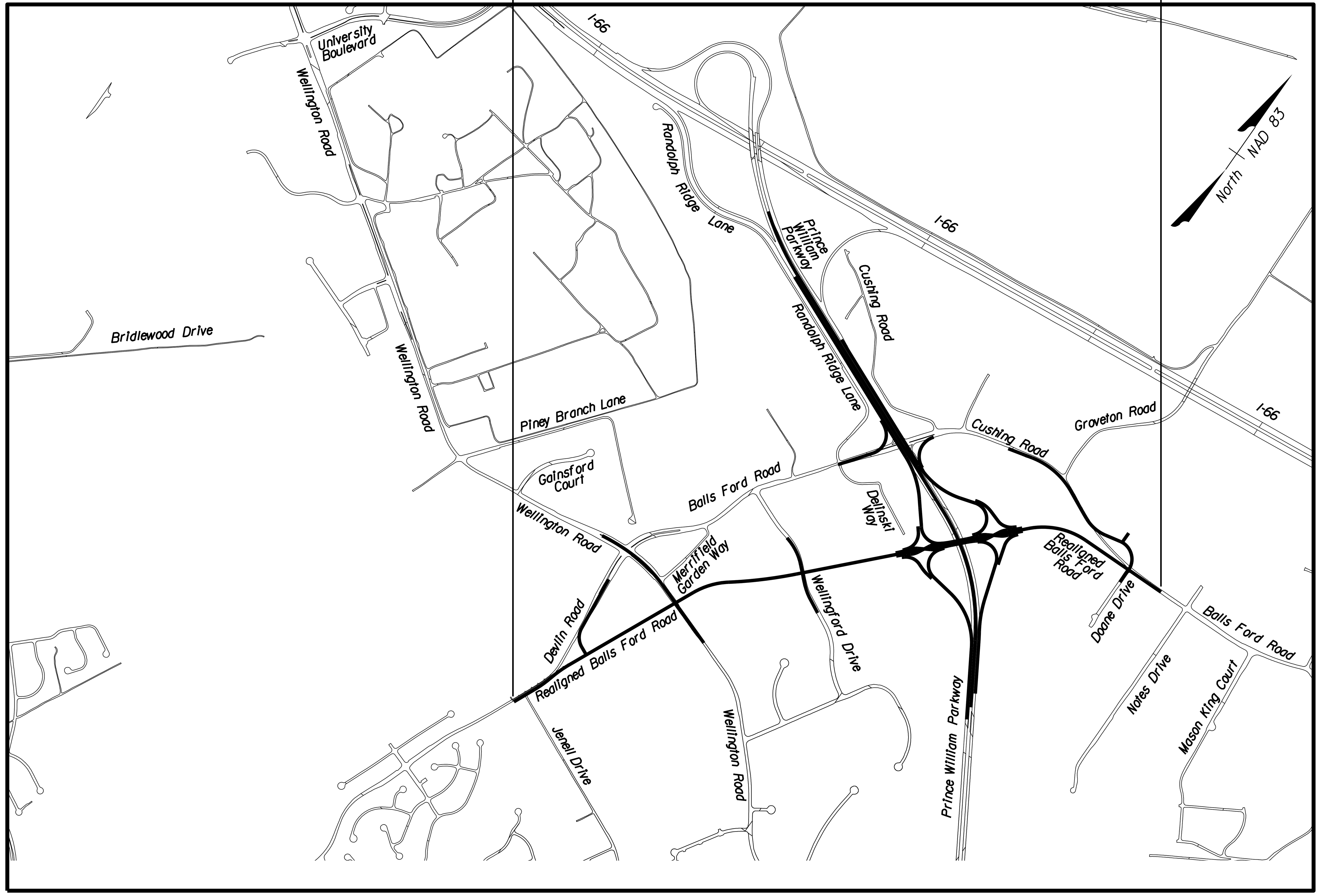
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1A

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

Project Location Map

Proposed Project: 6234-076-266
(See Title Sheet for Section Info.)



PRINCE WILLIAM PARKWAY INTERCHANCE - PROJECT LOCATION MAP

Prince William County, Virginia Population 468,011 (Est. 2018 Census)
1" = 1000' Scale

Note: See Plan and Profile Sheets for horizontal and vertical curve design speed data

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON-NHS URBAN MINOR ARTERIAL STREET SYSTEM - ROLLING - GS-6 (DEVLIN RD.) PRINCE WILLIAM COUNTY STANDARD MA-1	
	Fr: Jenell Dr. To: Wellington Rd.
ADT (2017)	15,000
ADT (2040)	8,400
DHV	N/A
D (%) (design hour)	N/A
T (%) (design hour)	1
V (MPH)	⊛ 30 MPH (Posted 30 MPH)
TC ST'D.	TC-5.11U

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON-NHS URBAN MINOR ARTERIAL STREET SYSTEM - ROLLING - GS-6 (CUSHING RD.) PRINCE WILLIAM COUNTY STANDARD MA-1	
	Fr: xxx To: xxx
ADT (2017)	19,000 (W. of Rte. 234) 17,000 (E. of Rte. 234)
ADT (2040)	TBD
DHV	xxx
D (%) (design hour)	xxx
T (%) (design hour)	xxx
V (MPH)	⊛ 30 MPH (Posted 30 MPH)
TC ST'D.	TC-5.11U

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON-NHS URBAN FREEWAY SYSTEM - ROLLING - GS-1 (234, PRINCE WILLIAM PKWY.) PRINCE WILLIAM COUNTY STANDARD PA-1	
	Fr: Wellington Rd. To: I-66
ADT (2017)	49,000 (N. of Balls Ford Rd.) 40,000 (S. of Balls Ford Rd.)
ADT (2040)	63,000 (N. of Balls Ford Rd.) 51,000 (S. of Balls Ford Rd.)
DHV	3,800
D (%) (design hour)	53 / 47
T (%) (design hour)	8
V (MPH)	⊛ 60 MPH (Posted 55 MPH)
TC ST'D.	TC-5.11R

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON-NHS URBAN COLLECTOR STREET SYSTEM - ROLLING - GS-7 (RTE. 951, WELLINGFORD DR.) PRINCE WILLIAM COUNTY STANDARD CI-1	
	Fr: Livingston Rd. To: Balls Ford Rd.
ADT (2017)	3,100
ADT (2040)	2,000
DHV	N/A
D (%) (design hour)	N/A
T (%) (design hour)	N/A
V (MPH)	⊛ 35 MPH (Posted 35 MPH)
TC ST'D.	TC-5.11U

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON-NHS URBAN COLLECTOR STREET SYSTEM - ROLLING - GS-7 (RTE. 674, WELLINGTON RD.) PRINCE WILLIAM COUNTY STANDARD MA-1	
	Fr: Balls Ford Rd. To: Prince William Pkwy.
ADT (2017)	17,000
ADT (2040)	19,000
DHV	1,600
D (%) (design hour)	53 / 47
T (%) (design hour)	8%
V (MPH)	⊛ 45 MPH (Posted 45 MPH)
TC ST'D.	TC-5.11U

SCALE	VDOT PROJECT	SHEET NO.
0 1,000 2,000	6234-076-266	1A

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1A(1)

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

25 Scale Base Layout Plan

SCALE	VDOT PROJECT	SHEET NO.
0 300' 600'	6234-076-266	1A(1)

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT; Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IB

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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Sheet No.	1S(8(0)) ***	Erosion Control Phase 1
Sheet No.	1S(8(1)) ***	Erosion Control Phase 1
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Sheet No.	1T(7) ***	Erosion Control Phase 2
Sheet No.	1T(8(0))***	Erosion Control Phase 2
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Sheet No.	1T(10) ***	Erosion Control Phase 2
Sheet No.	1T(11) ***	Erosion Control Phase 2
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Rinker Design Associates, P.C.
Office Locations

LANE
NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	1B

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1B(1)

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

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

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INDEX PLAN SET NOTES:

*** Denotes Sheets that are not included within this Plan Set or sheets that will be submitted separately for review and are not to be included within this Plan Set.

VDOT PROJECT	SHEET NO.
6234-076-266	1B(1)

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC DOT; Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates,P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1C

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

Preliminary Right of Way Data Sheet

ROUTE:	621	PROJECT: 6234-076-266	
COUNTY/CITY:	Prince William County	PPMS NO.: 112815	
COMPILED BY:	Adam Welschenbach		DATE: 03-24-2020
RE-COMPILED BY:	-		DATE: -
REVISED BY:	-		DATE: -
REVISED BY:	-		DATE: -
REVISED BY:	-		DATE: -
REVISED BY:	-		DATE: -
REVISED BY:	-		DATE: -

Note: This sheet is for informational purposes only. This sheet is not to be used for actual Right of Way Acquisition. Please see prepared plats separately.

City/County: Prince William County
UPC No.: 112815

PARCEL NO.	LANDOWNER	PLAN SHEET NO.	AREA				EASEMENTS												PROFFERS	REMARKS / PROPERTY NO.
			TOTAL	FEE TAKING	PRESCRIPTIVE R/W	FEE REMAINDER	STORM DRAINAGE	TEMPORARY	SIGNAL	SIGNAGE	SIGHT DISTANCE	SIDEWALK	PUBLIC UTILITY	TEMPORARY (ENTRANCE)	DOMINION VA. POWER	COMCAST	VERIZON			
			ACRES OR SQUARE FEET	SQ.FEET	ACRES OR SQ.FEET	ACRES OR SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET	SQ.FEET		YES / NO	
004	ANTHONY & HELEN LINEHAM	3	63,057			63,057		59												Tax* 7496-87-8960
005	ANTONIO ESPARZA LOPEZ	3	71,630			71,630		754					564	814						Tax* 7496-87-9573
006	ANDREW L.JOHNSON	3	78,887			78,887		1,245					106							Tax* 7496-87-9988
012	JAMES E.QUEEN	3	60,744			60,744	567	155					1,205	81						Tax* 7496-97-4556
013	PALUMBO FAMILY LIMITED LIABILITY CO.	3	646,622	29,229		617,394		28,893					7,143							Tax* 7496-97-6793
015	VICKY MAY GORGONE	4	62,400			62,400	1,638	902												Tax* 7496-98-0200
016	VICKY MAY GORGONE	4	62,739			62,739	2,938	1,171					248							Tax* 7496-98-0519
017	VICKY MAY GORGONE	4(1)	59,734	491		59,243	4,797	9,090					596							Tax* 7496-98-0747
018	PALUMBO FAMILY LIMITED LIABILITY CO.	3	176,718	3,982		172,736	14,055	20,273												Tax* 7496-98-3656
021	ALLIED -MANASSAS,LLC	4	379,344	924		378,420		15,333												Tax* 7496-99-5317
022	GRAMADI I,LTD.	4	84,117	1,678		82,439	5,008	6,771					3,077							Tax* 7496-99-9071
027	VIRGINIA EAGLE PROPERTIES,LLC	4,5	502,007	71,757		430,251		19,077												Tax* 7596-08-0824
028	VIRGINIA EAGLE PROPERTIES,LLC	4	407,389	581		406,808		16,716												Tax* 7596-08-2770
029	RAYCO PARTNERSHIP	4	186,244	3,552		182,692		5,156					2,936							Tax* 7596-09-2412
030	WELLINGTON ROAD 40,LLC	4,5	1,144,609	8,470		1,136,139		33,159					12,210							Tax* 7596-09-6091
033	7750 WELLINGFORD RD,LLC	8	123,432	70		123,361		8,831												Tax* 7597-00-8562
037	GAIL A.HANSEN	12	153,157	16,728		136,428	196	11,264												Tax* 7597-02-7564
043	M.J.ROBIC COMPANIES,LLC	5	405,110	1,749		403,361		8,140					1,170							Tax* 7597-10-3032
044	THIRD GENERATION,L.P.	8,9	141,461			141,461		8,801												Tax* 7597-10-5374
045	ZULMIRA MORAIS FAMILY PARTNERSHIP LP	5	263,802	39,570		224,232	1,781	22,616												Tax* 7597-11-2542
049	BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY,VIRGINIA	6	51,011	51,011		0														Tax* 7597-11-9470
052	WILSON CAPITAL PROPERTIES,LLC	12	194,062	5,691		188,371		24,013												Tax* 7597-12-4139
054	BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY,VIRGINIA	20,21	49,179	49,179		0														Tax* 7597-12-8842
055	BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY,VIRGINIA	20,11	360,058	158,775		201,283														Tax* 7597-12-9712
057	INDUSTRIAL CONCEPT GROUP,ET AL	12	257,320	9,447		247,873		10,960												Tax* 7597-13-8114
058	USF PROPCO I,LLC	9,10	1,286,832			1,286,832	2,602	11,685												Tax* 7597-20-5577
059	BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY,VIRGINIA	6	58,806	58,806		0														Tax* 7597-21-1164
061	COMMONWEALTH OF VIRGINIA	18	320,314	103,502		216,812														Tax* 7597-21-9638
064	COMMONWEALTH OF VIRGINIA	11,19	701,734	306,063		395,671		445												Tax* 7597-23-9810
067	PATRIOT BUSINESS CENTER OWNERS ASSOCIATION	7	328,092			328,092		35,408					3,133							Tax* 7597-33-3237
068	BTC III PREMIER BP LLC C/O BLACK CREEK GROUP	8,9	506,260	102,007		404,253		58,218					22,987							Tax* 7597-33-9464
072	BRE FOXTROT 7600 DOANE DRIVE,LLC	9	345,440	331		345,109	1,462	4,225												Tax* 7597-42-1295
076	MCLANE FOODSERVICE,INC.	15	1,078,894	1,092		1,077,802		566					730							Tax* 7597-53-0186
083	WELLINGTON ROAD 40,LLC	4,5	514,661	8,608		506,053		59,973												Tax* 7596-09-6091

VDOT PROJECT	SHEET NO.
6234-076-266	1C

Design Associates, P.C.
Rinker
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1C(1)

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Property Owner Information

(1) EDITH H. RAMEIKA, TR
GPIN 7496-64-4207
472.5923 AC.

(2) VICKIE MAY GORGONE
Deed Book 2880 Page 337
GPIN 7496-87-7828
Deed Book 1657 Page 773
2.5265 AC.

(3) FELISBERTO MAGALHAES, CARLOS MAGALHAES & HORACIO MAGALHAES
Instrument 200410290184677
GPIN 7496-87-8746
Deed Book 392 Page 542
1.4911 AC.

(4) ANTHONY LINEHAM & HELEN LINEHAM
Instrument 201706220047659
GPIN 7496-87-8960
1.4476 AC.

(5) ANTONIO ESPARZA LOPEZ
Instrument 201503200021229
GPIN 7496-87-9573
1.6444 AC.

(6) ANDREW L. JOHNSON
Deed Book 2797 Page 148
GPIN 7496-87-9988
1.8110 AC.

(7) JEFFERY S. LEWIS
Instrument 200210080130979
GPIN 7496-96-2596
2.0000 AC.

(8) VIRGINIA B. BUTLER
Will Instrument 200609200136086
GPIN 7496-97-3212
1.2491 AC.

(9) 8033 DEVLIN, LLC
Instrument 201209170088978
GPIN 7496-97-4024
1.2522 AC.

(10) JAROLD WRIGHT BUCHANAN & GLENNA UTZ BUCHANAN
Deed Book 421 Page 591
GPIN 7496-97-4232
1.192 AC.

(11) CHRIS MARKOGIANNAKIS & HELEN MARKOGIANNAKIS, ALEXIS HELEN MARKOGIANNAKIS, JOHN HELEN MARKOGIANNAKIS & MICHAEL HELEN MARKOGIANNAKIS
Instrument 200708240097255
GPIN 7496-97-4544
1.3353 AC.

(12) JAMES E. QUEEN
Deed 2372 Page 001
GPIN 7496-97-4556
1.3945 AC.

(13) PALUMBO FAMILY LIMITED LIABILITY COMPANY
Instrument 201310230105215
GPIN 7496-97-6793
14.8444 AC.

(14) 3118 PATRICK HENRY, LLC, A VA LLC AND 4011 WOODLAND, LLC, A VA LLC
Instrument 200601090004653
GPIN 7496-97-8123
5.4900 AC.

(15) VICKIE MAY GORGONE
Deed Book 2880 Page 341
GPIN 7496-98-0200
1.4325 AC.

(16) VICKIE MAY GORGONE
Deed Book 2880 Page 341
GPIN 7496-98-0519
1.4403 AC.

(17) VICKIE MAY GORGONE
Deed Book 2880 Page 341
GPIN 7496-98-0747
1.3713 AC.

(18) PALUMBO FAMILY LIMITED LIABILITY COMPANY
Instrument 201310230105215
GPIN 7496-98-3656
3.3803 AC.

(19) BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA
Deed Book 1097 Page 1757
GPIN 7496-98-6061
4.2951 AC.

(20) BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA
Instrument 200505240082915
GPIN 7496-99-2135
Instrument 200505240082916 Plat
2.0130 AC.

(21) ALLIED-MANSSAS, LLC
Instrument 200702090018574
GPIN 7496-99-5317
8.7039 AC.

(22) GRAMADI I, LTD
Instrument 200108150084197
GPIN 7496-99-9071
Deed Book 2557 Page 440 (Desc.)
1.9300 AC.

(23) LONE OAK-MANASSAS, L.L.C.
Instrument 200711190125748
GPIN 7497-93-0018
20.3941 AC.

(24) COMMONWEALTH OF VIRGINIA
Deed Book 2246 Page 1706
GPIN 7497-93-7731
Hwy Plat Book 13 Page 12
0.0409 AC.

(25) THE 2501, LLC
Instrument 201606020041085
GPIN 7497-93-8012
2.8011 AC.

(26) COMMONWEALTH OF VIRGINIA
Deed Book 2570 Page 792
GPIN 7497-94-6000
8.5163 AC.

(27) VIRGINIA EAGLE PROPERTIES, LLC
Instrument 201710110076962
GPIN 7596-08-0824
11.5245 AC.

(28) VIRGINIA EAGLE PROPERTIES, LLC
Instrument 201710110076962
GPIN 7596-08-2770
9.3523 AC.

(29) RAYCO PARTNERSHIP
Deed Book 1488 Page 202
GPIN 7596-09-2412
4.2756 AC.

(30) WELLINGTON ROAD 40, LLC
Instrument 200409160158327
GPIN 7596-09-6091
Plat Book 204 Page 20 & 21
38.0916 AC.

(31) INDEPENDENCE BUSINESS CENTER CONDOMINIUM
Instrument 200707190083931
GPIN 7596-39-7461
7.7526 AC.

(32) HAWKINS ROAD ASSOCIATES, LLC
Instrument 200307230133312
GPIN 7596-59-1553
16.2302 AC.

(33) 7750 WELLINGFORD RD, LLC
Instrument 201710310082475
GPIN 7597-00-8562
2.8336 AC.

(34) BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA
GPIN 7597-01-1053
1.9771 AC.

(35) ATLANTIC EMERGENCY GROUP-MANASSAS, LLC
Instrument 201302150017483
GPIN 7597-02-1495
Instrument 200803170023970 Plat
3.3519 AC.

(36) ST. DOMINIC, LLC
Instrument 201901310006551
GPIN 7597-02-4482
Instrument 200803170023970 Plat
2.8233 AC.

(37) GAIL A. HANSEN
Instrument 201604190027701
GPIN 7597-02-7564
Instrument 200212200165509 Plat
3.5161 AC.

(38) GAIL A. HANSEN
Instrument 201604190027701
GPIN 7597-02-8351
Instrument 200212200165509 Plat
0.9655 AC.

(39) ASHELY BUSINESS PARK, LLC
Instrument 200606280096884
GPIN 7597-03-1361
Instrument 201303080024119 Plat
1.2360 AC.

(40) COMMONWEALTH OF VIRGINIA
Deed Book 2261 Page 1977
GPIN 7597-03-2751
Hwy Plat Book 13 Page 111
0.2273 AC.

(41) COMMONWEALTH OF VIRGINIA
Deed Book 2261 Page 1977
GPIN 7597-03-2946
Hwy Plat Book 13 Page 111
0.2500 AC.

(42) ELIZABETH BABAZADEH, SARA J. BABAZADEH, TRUSTEE OF THE EBRAHIM A. BABAZADEH FAMILY TRUST DATED JUNE 6, 2010 AND SARAH J. BABAZADEH, TRUSTEE OF THE SARAH J. BABAZADEH TRUST DATED NOVEMGER 13, 2007
Instrument 201807300055453
GPIN 7597-03-6372
12.1888 AC.

(43) M.J. ROBIC COMPANIES, LLC
Instrument 200706080068713
GPIN 7597-10-3032
6.0647 AC.

(44) THIRD GENERATION, L.P.
Deed Book 2273 Page 1568
GPIN 7597-10-5374
Deed Book 2124 Page 746 (Desc.)
3.2475 AC.

(45) ZULMIRA MORAIS FAMILY PARTNERSHIP LP
Instrument 200806200059132
GPIN 7597-11-2542
9.3005 AC.

(46) ELIZABETH E. NOVAK & STEVEN G. NOVAK
Instrument 200310100187896
GPIN 7597-11-3897
1.0540 AC.

(47) ELIZABETH E. NOVAK & STEVEN G. NOVAK
Instrument 200310100187896
GPIN 7597-11-5598
1.2068 AC.

(48) ELIZABETH E. NOVAK & STEVEN G. NOVAK
Instrument 200310100187896
GPIN 7597-11-7273
2.0777 AC.

VDOT PROJECT	SHEET NO.
6234-076-266	1C(1)

Rinker Design Associates, P.C.
Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1C(2)

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Property Owner Information

49 GOT INVESTMENTS, LLC
Instrument 201210090096954
GPIN 7597-11-9470
1.1710 AC.

50 COSTA INVESTMENTS, LLC
Instrument 201602010006433
GPIN 7597-12-1035
3.1140 AC.

51 GENERAL MCLELLAN, LLC
Instrument 201606290049244
GPIN 7597-12-1903
1.8770 AC.

52 WILSON CAPITAL PROPERTIES, LLC
Instrument 200305070082521
GPIN 7597-12-4139
Instrument 200103290029449 Plat
4.4548 AC.

53 GENERAL MCLELLAN ROAD, INC.
Instrument 200409090154031
GPIN 7597-12-4616
0.5359 AC.

54 BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA
Deed Book 1776 Page 526
GPIN 7597-12-8842
1.1290 AC.

55 BOARD OF COUNTY SUPERVISORS OF PRINCE WILLIAM COUNTY, VIRGINIA
Deed Book 1776 Page 526
GPIN 7597-12-9712
8.2658 AC.

56 SEJ ASSET MANAGEMENT & INVESTMENT CO.
Instrument 201304120037913
GPIN 7597-13-2212
2.0667 AC.

57 INDUSTRIAL CONCEPT GROUP, ET AL
Instrument No. 201211160110855, Instrument No. 201210180100725 & Deed Book 1323 Page 1814
GPIN 7597-13-8114
5.7087 AC.

58 USF PROPCO I, LLC
Instrument 200707200084347
GPIN 7597-20-5577
29.5416 AC.

59 GOT INVESTMENTS, LLC
Instrument 201210090096954
GPIN 7597-21-1164
1.3500 AC.

60 SOUTHERN RAILWAY COMPANY
Deed Book 1440 Page 726
GPIN 7597-21-5422
Plat Book 68 Page 64
0.4790 AC.

61 COMMONWEALTH OF VIRGINIA
Deed Book 2238 Page 658
GPIN 7597-21-9638
Hwy Plat Book 12 Page 318 thru 320
7.3534 AC.

62 WESTERN BRANCH DIESEL, INC.

GPIN 7597-23-2936
4.7246 AC.

63 RYDER TRUCK RENTAL, INC.
Deed Book 1094 Page 851
GPIN 7597-23-8945
5.5684 AC.

64 COMMONWEALTH OF VIRGINIA
Deed Book 2246 Page 602
GPIN 7597-23-9810
Hwy Plat Book 13 Page 14 thru 20
16.1096 AC.

65 INDEPENDENCE BUSINESS CENTER CONDOMINIUM
Instrument 200707190083931
GPIN 7597-30-9825
0.4222 AC.

66 BRE FOXTROT 7708 DOANE DRIVE LLC
Instrument 201806060040685
GPIN 7597-31-9543
Instrument 201401140002995 Plat
6.7099 AC.

67 PATRIOT BUSINESS CENTER OWNERS ASSOCIATION
Instrument 201307120071266
GPIN 7597-33-3237
Instrument 201301220007079 Plat
7.4539 AC.

68 BTC III PREMIER BP, LLC C/O BLACK CREEK GROUP
Instrument 201812280091924
GPIN 7597-33-9464
Instrument 201810100074122 Plat
11.6236 AC.

69 INDEPENDENCE BUSINESS CENTER CONDOMINIUM
Instrument 200707190083931
GPIN 7597-40-0607.00
0.4450 AC.

70 PATRIOT BUSINESS CENTER OWNERS ASSOCIATION
Instrument 201307120071266
GPIN 7597-40-5649
Instrument 201301220007079 Plat
4.5819 AC.

71 POTOMAC AND RAPPAHANNOCK TRANSPORTATION COMMISSION
Instrument 201307180073227
GPIN 7597-41-7809
Instrument 201301220007079 Plat
15.1827 AC.

72 BRE FOXTROT 7600 DOANE DRIVE, LLC
Instrument 201806060040683
GPIN 7597-42-1295
Instrument 201306040056676 Plat
7.9302 AC.

73 BRE FOXTROT 11800 BREWERS SPRING LLC
Instrument 201806060040686
GPIN 7597-42-1456
Instrument 201306040056676 Plat
7.8490 AC.

74 BRE FOXTROT 11801 BREWERS SPRINGS LLC
Instrument 201806060040687
GPIN 7597-42-2107
10.0566 AC.

75 THREE HEADED LION LLC
Instrument 201701050001419
GPIN 7597-42-9183
6.8324 AC.

76 MCLANE FOODSERVICE, INC.
Instrument 200602140025712
GPIN 7597-53-0186
24.7680 AC.

77 WELLINGTON ROAD, LC
Instrument 200508010128744
GPIN 7496-89-6488
9.1191 AC.

78 CASEY'S CORNER I, LLC
Instrument 201211090010883
GPIN 7496-99-5193
6.1588 AC.

79 DANIEL H. BARRETT, INC.
Deed Book 1162 Page 947
GPIN 7597-14-3408
30.4282 AC.

80 MERRITT-CLDC, LLC
Instrument 201704100026756
GPIN: 7597-34-2188
11.3406 AC.

81 BTC III PREMIER BP, LLC C/O BLACK CREEK GROUP
Instrument 201812280091924
GPIN 7597-34-9104
Instrument 201810100074122 Plat
10.0008 AC.

82 RAYMOND L. WOLFE & JAMES B. WOLFE
Deed Book 2967 Page 252
GPIN: 7597-23-1988
3.9197 AC.

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	1C(2)

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PROJECT MANAGER PWC DOT; Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1E

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

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

Demolition Summary

DEMOLITION OF BUILDING / CLEARING OF PARCEL / UNDERGROUND STORAGE TANK REMOVAL SUMMARY

PROJECT NUMBER 6234-076-266, PE-101

SHEET NUMBER	PARCEL NUMBER	DEMOLITION NUMBER	LANDOWNER	WITHIN EXIST. R/W?	STATION Rt. OR Lt.	DESCRIPTION	INCLUDED IN CONTRACT							NOT IN CONTRACT
							DEMOLITION OF LIGHTS	DEMOLITION OF BUILDINGS *	CLEARING OF PARCEL	DEMOLITION OF SIGN	MISC. ITEMS	UNDERGROUND STORAGE TANK REMOVAL TYPE A	UNDERGROUND STORAGE TANK REMOVAL TYPE B	ITEMS TO BE REMOVED BY OTHERS
							LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	EACH	EACH	EACH	
5	28	900	Virginia Eagle Properties, LLC	No	120+46, 61.9' RT, (Balls Ford Rd.)	Light Pole	1	–	–	–	–	–	–	–
5, 6	29	901	Rayco Partnership	No	121+86 to 123+89, 67–73 RT' (Balls Ford Rd.)	213' Chain Link Fence	–	–	–	–	1	–	–	–
6	30	902	Wellington Rd. 40, LLC	No	127+29, 63' RT (Balls Ford Rd.)	Stockpile	–	–	–	–	1	–	–	–
6	30	903	Wellington Rd. 40, LLC	No	128+66 to 128+74, 65–117' LT (Balls Ford Rd.)	53' Chain Link Fence	–	–	–	–	1	–	–	–
7	30	904	Wellington Rd. 40, LLC	No	129+74, 55.3' RT (Balls Ford Rd.)	Light Pole	1	–	–	–	–	–	–	–
7	30	905	Wellington Rd. 40, LLC	No	130+43 to 130+50, 48–52' RT (Balls Ford Rd.)	Jersey Barriers	–	–	–	–	3	–	–	–
7	30	906	Wellington Rd. 40, LLC	No	130+56, 51' RT (Balls Ford Rd.)	Stockpile	–	–	–	–	1	–	–	–
7	30	907	Wellington Rd. 40, LLC	No	132+15 to 132+20, 49–69' RT (Balls Ford Rd.)	21' Conc. Wall	–	–	–	–	1	–	–	–
7	30	908	Wellington Rd. 40, LLC	No	133+23, 74' RT (Balls Ford Rd.)	Stockpile	–	–	–	–	1	–	–	–
7	30	909	Wellington Rd. 40, LLC	No	132+89 to 133+34, 64–140' LT (Balls Ford Rd.)	195' Conc. Wall	–	–	–	–	1	–	–	–
10	49	910	GOT Investments, LLC	No	155+00, 80' LT (Balls Ford Rd.)	Miscellaneous	–	1	1	–	5	–	–	–
10	59	911	GOT Investments, LLC	No	155+00, 80' RT (Balls Ford Rd.)	Miscellaneous	–	3	1	–	5	–	–	–
13	67	912	Patriot Business Center Owners Association	No	176+75 to 177+59, 84–107' LT (Balls Ford Rd.)	96' Silt Fence	–	–	–	–	1	–	–	–
13	67	913	Patriot Business Center Owners Association	No	178+41 to 178+78, 62–72' LT (Balls Ford Rd.)	43' Silt Fence	–	–	–	–	1	–	–	–
14	68	700	BTC III Premier BP, LLC	No	184+05, 151' LT (Balls Ford Rd.)	Commercial Sign	–	–	–	1	–	–	–	–
14	68	701	BTC III Premier BP, LLC	No	184+05, 141' LT (Balls Ford Rd.)	Commercial Sign	–	–	–	1	–	–	–	–
15	68	914	BTC III Premier BP, LLC	No	201+04, 4.2' LT (Cushing Rd.)	Light Pole	1	–	–	–	–	–	–	–
15(1)	68	915	BTC III Premier BP, LLC	No	202+09, 72' RT (Cushing Rd.)	Light Pole	1	–	–	–	–	–	–	–
15(1)	68	916	BTC III Premier BP, LLC	No	203+41, 11.6' RT (Cushing Rd.)	Light Pole	1	–	–	–	–	–	–	–
15(2)	68	917	BTC III Premier BP, LLC	No	209+37 to 213+40, 24– 70' RT (Cushing Rd.)	436' Silt Fence	–	–	–	–	–	–	–	–
15(2)	68	702	BTC III Premier BP, LLC	No	213+57, 49.6' RT (Cushing Rd.)	Commercial Sign	–	–	–	1	–	–	–	–

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IE(1)

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PROJECT MANAGER PWC DOT; Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Do Not Impact Summary

PROJECT NUMBER 6234-076-266, PE-101

SHEET NUMBER	PARCEL NUMBER	DO NOT IMPACT NUMBER	LANDOWNER	STATION Rt. OR Lt.	DESCRIPTION

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	IE(1)

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	VA.	621	6234-076-266, C-501, RW-201	1F

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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Survey Control Data

Survey Baseline Control

Point	North	East	Elevation	Station	Feature	Description	Inverse
200	6973211.7702	11756538.6296	292.8021	100+00.00	CS	-TRAV 200	N 85° 36′ 08.01″ W, 1,006.1825
201	6973288.9246	11755535.4096	288.9218	110+06.18	CS	-TRAV 201	S 82° 13′ 51.70″ W, 914.5346
202	6973165.2987	11754629.2693	283.4470	119+20.72	CS	-TRAV 202	S 84° 01′ 04.33″ W, 249.8602
203	6973139.2587	11754380.7697	280.3560	121+70.58	CS	-TRAV 203	N 67° 23′ 54.18″ W, 349.6110
204	6973273.6217	11754058.0090	271.8253	125+20.19	CS	-TRAV 204	S 89° 47′ 21.44″ W, 278.6322
205	6973272.5970	11753779.3787	272.3653	127+98.82	CS	-TRAV 205	S 31° 18′ 48.30″ W, 319.4945
206	6972999.6410	11753613.3313	264.0413	131+18.32	CS	-TRAV 206	S 26° 27′ 20.52″ W, 296.5385
207	6972734.1563	11753481.2217	274.8623	134+14.85	CS	-TRAV 207	S 20° 45′ 15.83″ W, 311.7173
208	6972442.6670	11753370.7607	279.6983	137+26.57	CS	-TRAV 208	S 55° 56′ 03.06″ W, 230.1560
209	6972313.7463	11753180.1007	287.9637	139+56.73	CS	-TRAV 209	N 49° 58′ 48.59″ W, 210.0471
210	6972448.8177	11753019.2420	283.7033	141+66.77	CS	-TRAV GPS210	S 62° 58′ 14.66″ W, 339.4658
211	6972294.5490	11752716.8545	276.9365	145+06.24	CS	-TRAV GPS211	S 69° 04′ 09.26″ W, 317.3854
212	6972181.1664	11752420.4125	283.0099	148+23.63	CS	-TRAV GPS212	S 69° 23′ 24.07″ W, 238.9110
213	6972097.0686	11752196.7922	292.0114	150+62.54	CS	-TRAV GPS213	N 77° 15′ 29.76″ W, 180.6452
214	6972136.8620	11752020.5870	296.362	152+43.20	CS	-TRAV GPS214-41	S 05° 30′ 21.80″ W, 248.4081
215	6971889.6000	11751996.7520	288.345	154+91.60	CS	-TRAV GPS215-42	S 62° 34′ 05.86″ W, 312.0508
216	6971745.8410	11751719.7880	283.708	158+03.66	CS	-TRAV 216-43	S 01° 53′ 00.48″ E, 247.5447
217	6971498.4300	11751727.9240	278.278	160+51.20	CS	-TRAV 217-44	S 47° 27′ 36.66″ W, 172.5715
218	6971381.7540	11751600.7720	275.941	162+23.77	CS	-TRAV 218-45	S 41° 35′ 36.53″ W, 270.5858
219	6971179.3900	11751421.1460	279.101	164+94.36	CS	-TRAV 219-46	S 19° 54′ 21.05″ W, 284.7371
220	6970911.5668	11751324.1080	281.6115	167+79.09	CS	-TRAV 220-47	S 47° 44′ 42.14″ W, 318.5933
221	6970697.4332	11751088.3900	287.0640	170+97.71	CS	-TRAV GPS221-48	S 47° 45′ 03.14″ W, 421.4997
222	6970414.0335	11750776.3495	296.6610	175+19.19	CS	-TRAV GPS222	N 76° 47′ 46.02″ W, 296.0079
223	6970481.6467	11750488.1670	291.6573	178+15.23	CS	-TRAV GPS223	N 67° 31′ 58.61″ W, 299.6799
224	6970596.1700	11750211.2330	280.3213	181+14.91	CS	-TRAV GPS224	N 59° 51′ 39.80″ W, 366.7486
225	6970780.3140	11749894.0650	276.1620	184+81.66	CS	-TRAV GPS225	S 07° 23′ 41.21″ W, 346.8856
226	6970436.3135	11749849.4190	272.3410	188+28.55	CS	-TRAV GPS226	S 06° 23′ 07.97″ W, 389.9809
227	6970048.7520	11749806.0460	270.4235	192+18.55	CS	-TRAV GPS227	S 11° 04′ 25.59″ W, 326.2419
228	6969728.5845	11749743.3838	268.5063	195+44.77	CS	-TRAV GPS228	S 28° 56′ 44.38″ E, 360.2963
229	6969413.2967	11749917.7600	269.8680	199+05.07	CS	-TRAV GPS229	S 24° 09′ 53.26″ W, 348.5029
230	6969095.3325	11749775.0960	259.8360	202+53.57	CS	-TRAV GPS230	S 23° 07′ 42.52″ W, 336.6101
231	6968785.7770	11749642.8775	261.5865	205+90.18	CS	-TRAV GPS231	S 27° 00′ 42.45″ W, 383.5470
232	6968444.0700	11749468.6805	250.2950	209+73.73	CS	-TRAV GPS232	S 31° 53′ 43.20″ W, 252.9226
233	6968229.3350	11749335.0440	256.6675	212+26.65	CS	-TRAV GPS233	S 25° 46′ 08.46″ W, 240.0239
234	6968013.1805	11749230.6950	259.2915	214+66.67	CS	-TRAV GPS234	S 03° 37′ 58.71″ W, 400.2689
235	6967613.7160	11749205.3320	256.2105	218+66.94	CS	-TRAV GPS235	S 22° 10′ 30.71″ W, 306.4196
236	6967329.9610	11749089.6770	256.3780	221+73.36	CS	-TRAV GPS236	S 24° 07′ 05.06″ W, 375.6207
237	6966987.1300	11748936.1915	254.3150	225+48.98	CS	-TRAV GPS237	S 25° 29′ 11.88″ W, 298.5530
238	6966717.6305	11748807.7240	257.3735	228+47.54	CS	-TRAV GPS238	S 29° 22′ 04.53″ W, 694.1815
239	6966112.6593	11748467.2863	272.4560	235+41.72	CS	-TRAV GPS239	S 17° 18′ 37.78″ W, 1,057.2236
240	6965103.3213	11748152.7097	266.7153	245+98.94	CS	-TRAV GPS240	

Photogrammetric Control

Point	North	East	Elevation	Station	Feature	Description
101	6974249.6148	11748220.3180	326.3305	163+23.34	PCT	-PNP 101
102	6973570.6128	11748833.3053	313.5700	164+24.16	PCT	-PNP 102
103	6974379.1583	11749353.8214	288.3389	152+43.16	PCT	-PNP 103
104	6973280.7193	11750644.9385	303.9565	152+43.16	PCT	-PNP 104
105	6973295.3616	11752176.2212	271.0674	146+53.67	PCT	-PNP 105
106	6972856.0638	11754575.0452	285.2820	120+06.87	PCT	-PNP 106
107	6971636.2020	11750363.0266	292.8218	170+03.38	PCT	-PNP 107
108	6971963.6610	11751786.7330	290.1530	156+43.93	PCT	-PNP 108
109	6971596.5444	11753802.7342	283.5050	138+42.68	PCT	-PNP 109
110	6970796.0273	11749830.0833	276.1418	184+81.68	PCT	-PNP 110
111	6970293.0363	11751871.6738	284.9928	167+89.86	PCT	-PNP 111
112	6970425.1896	11753878.9356	274.5006	143+20.61	PCT	-PNP 112
113	6973508.6265	11751761.0845	277.1065	149+73.48	PCT	-PNP 113
114	6974082.4860	11753214.9756	251.9022	127+98.82	PCT	-PNP 114
115	6973483.4916	11755431.8542	293.3900	110+82.49	PCT	-PNP 115
116	6971133.2380	11754542.1344	280.9594	137+26.57	PCT	-PNP 116
117	6969460.4874	11750050.4126	270.0128	178+29.54	PCT	-PNP 117
118	6968672.5624	11750431.4856	263.6904	203+84.55	PCT	-PNP 118
119	6968867.2413	11749125.5683	268.6384	207+52.56	PCT	-PNP 119
120	6967250.0490	11749052.5090	256.5434	222+61.50	PCT	-PNP 120
121	6966452.8062	11748402.1676	287.0136	232+77.23	PCT	-PNP 121

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	1F

PH PLAN

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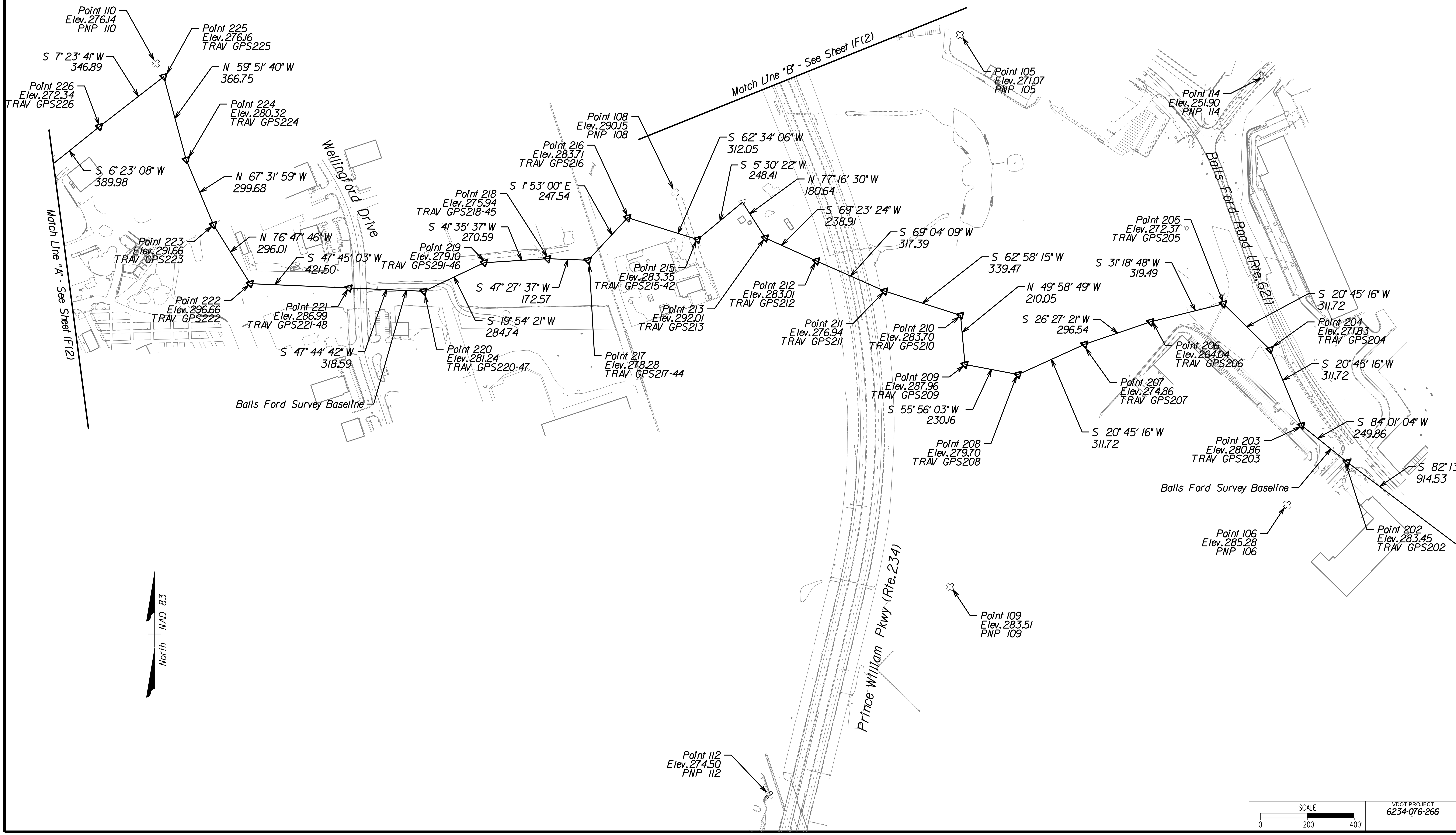
PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1F(1)

Survey Control Data

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	SHEET NO.
0 200' 400'	6234-076-266	1F(1)

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0 200' 400'	6234-076-266	1F(2)

Office Locations

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Horizontal Alignment Data

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

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BALLS FORD ROAD

From Sta.100+00.00 to Sta.192+75.00

Chain BALLSFORD contains:
BALLSFORD1 CUR C49 CUR C50 CUR C51 CUR C52 CUR C48 BALLSFORD13

Beginning chain BALLSFORD description
Feature: - 50 Scale Baselines

Point BALLSFORD1 N 6,967,158.14 E 11,748,965.05 Sta 100+00.00

Course from BALLSFORD1 to PC C49 N 24° 14′ 51.00″ E Dist 161.64

Curve Data

Curve C49			
P.I. Station	103+53.01	N 6,967,480.01	E 11,749,110.02
Delta =	3° 39′ 12.66″ (LT)		
Degree =	0° 57′ 17.75″		
Tangent =	191.36		
Length =	382.60		
Radius =	6,000.00		
External =	3.05		
Long Chord =	382.53		
Mid.Ord. =	3.05		
P.C. Station	101+61.64	N 6,967,305.53	E 11,749,031.43
P.T. Station	105+44.24	N 6,967,659.14	E 11,749,177.33
C.C.		N 6,969,769.60	E 11,743,560.75
Back	= N 24° 14′ 51.00″ E		
Ahead	= N 20° 35′ 38.34″ E		
Chord Bear	= N 22° 25′ 14.67″ E		

Curve Data

Curve C50			
P.I. Station	107+63.64	N 6,967,864.52	E 11,749,254.50
Delta =	4° 11′ 18.37″ (RT)		
Degree =	0° 57′ 17.75″		
Tangent =	219.40		
Length =	438.61		
Radius =	6,000.00		
External =	4.01		
Long Chord =	438.51		
Mid.Ord. =	4.01		
P.C. Station	105+44.24	N 6,967,659.14	E 11,749,177.33
P.T. Station	109+82.85	N 6,968,063.72	E 11,749,346.47
C.C.		N 6,965,548.68	E 11,754,793.91
Back	= N 20° 35′ 38.34″ E		
Ahead	= N 24° 46′ 56.71″ E		
Chord Bear	= N 22° 41′ 17.52″ E		

Course from PT C50 to PC C51 N 24° 46′ 56.71″ E Dist 1,791.50

Curve Data

Curve C51			
P.I. Station	130+21.07	N 6,969,914.23	E 11,750,200.84
Delta =	27° 43′ 08.45″ (RT)		
Degree =	5° 43′ 46.48″		
Tangent =	246.73		
Length =	483.79		
Radius =	1,000.00		
External =	29.99		
Long Chord =	479.08		
Mid.Ord. =	29.11		
P.C. Station	127+74.35	N 6,969,690.23	E 11,750,097.42
P.T. Station	132+58.13	N 6,970,064.43	E 11,750,396.59
C.C.		N 6,969,271.06	E 11,751,005.33
Back	= N 24° 46′ 56.71″ E		
Ahead	= N 52° 30′ 05.16″ E		
Chord Bear	= N 38° 38′ 30.93″ E		

Curve Data

Curve C52			
P.I. Station	137+10.15	N 6,970,339.58	E 11,750,755.20
Delta =	8° 36′ 59.39″ (LT)		
Degree =	0° 57′ 17.75″		
Tangent =	452.01		
Length =	902.32		
Radius =	6,000.00		
External =	17.00		
Long Chord =	901.47		
Mid.Ord. =	16.95		
P.C. Station	132+58.13	N 6,970,064.43	E 11,750,396.59
P.T. Station	141+60.45	N 6,970,665.36	E 11,751,068.54
C.C.		N 6,974,824.64	E 11,746,744.14
Back	= N 52° 30′ 05.16″ E		
Ahead	= N 43° 53′ 05.77″ E		
Chord Bear	= N 48° 11′ 35.46″ E		

Course from PT C52 to PC C48 N 43° 53′ 05.77″ E Dist 3,115.96

Curve Data

Curve C48			
P.I. Station	176+96.91	N 6,973,214.21	E 11,753,520.05
Delta =	45° 36′ 46.97″ (RT)		
Degree =	5° 43′ 46.48″		
Tangent =	420.50		
Length =	796.10		
Radius =	1,000.00		
External =	84.81		
Long Chord =	775.24		
Mid.Ord. =	78.18		
P.C. Station	172+76.42	N 6,972,911.14	E 11,753,228.56
P.T. Station	180+72.51	N 6,973,217.89	E 11,753,940.53
C.C.		N 6,972,217.93	E 11,753,949.29
Back	= N 43° 53′ 05.77″ E		
Ahead	= N 89° 29′ 52.74″ E		
Chord Bear	= N 66° 41′ 29.25″ E		

Course from PT C48 to BALLSFORD13 N 89° 29′ 52.74″ E Dist 1,202.48

Point BALLSFORD13 N 6,973,228.43 E 11,755,142.97 Sta 192+75.00

Ending chain BALLSFORD description

PRINCE WILLIAM PARKWAY

From Sta.200+00.00 to Sta.272+50.00

Chain PWP contains:
PWP1 CUR PWP_3 CUR PWP_6

Beginning chain PWP description
Feature: - 50 Scale Baselines

Point PWP1 N 6,970,548.11 E 11,753,961.09 Sta 200+00.00

Course from PWP1 to PC PWP_3 N 31° 07′ 01.81″ W Dist 880.61

Curve Data

Curve PWP_3			
P.I. Station	217+98.96	N 6,972,088.23	E 11,753,031.41
Delta =	35° 32′ 53.73″ (LT)		
Degree =	2° 00′ 00.00″		
Tangent =	918.36		
Length =	1,777.41		
Radius =	2,864.79		
External =	143.60		
Long Chord =	1,749.04		
Mid.Ord. =	136.74		
P.C. Station	208+80.61	N 6,971,302.01	E 11,753,506.00
P.T. Station	226+58.02	N 6,972,451.99	E 11,752,188.16
C.C.		N 6,969,821.52	E 11,751,053.42
Back	= N 31° 07′ 01.81″ W		
Ahead	= N 66° 39′ 55.54″ W		
Chord Bear	= N 48° 53′ 28.68″ W		

Course from PT PWP_3 to PC PWP_6 N 66° 39′ 55.54″ W Dist 3,665.48

Curve Data

Curve PWP_6			
P.I. Station	267+89.04	N 6,974,088.28	E 11,748,395.03
Delta =	13° 53′ 50.17″ (RT)		
Degree =	1° 29′ 59.93″		
Tangent =	465.53		
Length =	926.50		
Radius =	3,819.77		
External =	28.26		
Long Chord =	924.23		
Mid.Ord. =	28.06		
P.C. Station	263+23.50	N 6,973,903.89	E 11,748,822.49
P.T. Station	272+50.00	N 6,974,369.95	E 11,748,024.38
C.C.		N 6,977,411.23	E 11,750,335.50
Back	= N 66° 39′ 55.54″ W		
Ahead	= N 52° 46′ 05.37″ W		
Chord Bear	= N 59° 43′ 00.46″ W		

Ending chain PWP description

RAMP 1

From Sta.140+00.00 to Sta.146+83.45

Chain RAMP_1 contains:
D019 CUR C64 CUR C65

Beginning chain RAMP_1 description

Point D019 N 6,972,840.30 E 11,753,090.99 Sta 140+00.00

Course from D019 to PC C64 S 50° 25′ 25.40″ W Dist 56.78

Curve Data

Curve C64			
P.I. Station	141+75.74	N 6,972,728.48	E 11,752,955.41
Delta =	57° 54′ 49.66″ (RT)		
Degree =	26° 38′ 57.12″		
Tangent =	118.97		
Length =	217.32		
Radius =	215.00		
External =	30.72		
Long Chord =	208.19		
Mid.Ord. =	26.88		
P.C. Station	140+56.78	N 6,972,804.13	E 11,753,047.23
P.T. Station	142+74.09	N 6,972,766.09	E 11,752,842.55
C.C.		N 6,972,970.07	E 11,752,910.52
Back	= S 50° 30′ 55.66″ W		
Ahead	= N 71° 34′ 14.68″ W		
Chord Bear	= S 79° 28′ 20.49″ W		

Course from PT C64 to PC C65 N 71° 34′ 14.68″ W Dist 148.85

Curve Data

Curve C65			
P.I. Station	145+58.01	N 6,972,855.85	E 11,752,573.19
Delta =	37° 18′ 54.85″ (LT)		
Degree =	14° 19′ 26.20″		
Tangent =	135.06		
Length =	260.51		
Radius =	400.00		
External =	22.19		
Long Chord =	255.93		
Mid.Ord. =	21.02		
P.C. Station	144+22.94	N 6,972,813.15	E 11,752,701.33
P.T. Station	146+83.45	N 6,972,812.13	E 11,752,445.40
C.C.		N 6,972,433.66	E 11,752,574.88
Back	= N 71° 34′ 14.68″ W		
Ahead	= S 71° 06′ 50.47″ W		
Chord Bear	= S 89° 46′ 17.90″ W		

Ending chain RAMP_1 description

RAMP 1A

From Sta.100+00.00 to Sta.134+49.31

Chain RAMP_1A contains:
D010 CUR C62 CUR C63 D018

Beginning chain RAMP_1A description

Point D010 N 6,972,416.34 E 11,752,675.82 Sta 100+00.00

Course from D010 to PC C62 N 37° 15′ 15.87″ E Dist 42.10

Curve Data

Curve C62			
P.I. Station	106+89.58	N 6,972,965.21	E 11,753,093.26
Delta =	143° 15′ 41.46″ (LT)		
Degree =	26° 38′ 57.12″		
Tangent =	647.47		
Length =	537.58		
Radius =	215.00		
External =	467.24		
Long Chord =	408.09		
Mid.Ord. =	147.24		
P.C. Station	100+42.10	N 6,972,449.85	E 11,752,701.31
P.T. Station	105+79.69	N 6,972,786.67	E 11,752,470.89
C.C.		N 6,972,580.00	E 11,752,530.18
Back	= N 37° 15′ 15.87″ E		
Ahead	= S 73° 59′ 34.41″ W		
Chord Bear	= N 34° 22′ 34.86″ W		

Course from PT C62 to PC C63 S 73° 35′ 22.25″ W Dist 215.27

Curve Data

Curve C63			
P.I. Station	111+65.09	N 6,972,621.28	E 11,751,909.34
Delta =	39° 44′ 42.21″ (RT)		
Degree =	5° 35′ 43.05″		
Tangent =	370.13		
Length =	710.33		
Radius =	1,024.00		
External =	64.84		
Long Chord =	696.17		
Mid.Ord. =	60.98		
P.C. Station	107+94.96	N 6,972,725.85	E 11,752,264.39
P.T. Station	115+05.29	N 6,972,767.89	E 11,751,569.48
C.C.		N 6,973,708.13	E 11,751,975.09
Back	= S 73° 35′ 22.25″ W		
Ahead	= N 66° 39′ 55.54″ W		
Chord Bear	= N 86° 32′ 16.65″ W		

Course from PT C63 to D018 N 66° 39′ 55.54″ W Dist 1,944.01

Point D018 N 6,973,537.91 E 11,749,784.47 Sta 134+49.31

Ending chain RAMP_1A description

RAMP 1B

From Sta.150+00.00 to Sta.155+00.00

Chain RAMP_1B contains:
CUR C31 D011

Beginning chain RAMP_1B description

Curve Data

Curve C31			
P.I. Station	153+32.45	N 6,972,888.55	E 11,751,319.35
Delta =	102° 27′ 41.14″ (RT)		
Degree =	21° 27′ 32.74″		
Tangent =	332.45		
Length =	477.47		
Radius =	267.00		
External =	159.39		
Long Chord =	416.35		
Mid.Ord. =	99.81		
P.C. Station	150+00.00	N 6,972,767.31	E 11,751,628.90
P.T. Station	154+77.47	N 6,973,164.64	E 11,751,504.52
C.C.		N 6,973,015.92	E 11,751,726.27
Back	= N 68° 36′ 44.95″ W		
Ahead	= N 33° 50′ 56.19″ E		
Chord Bear	= N 17° 22′ 54.38″ W		

Course from PT C31 to D011 N 33° 50′ 56.19″ E Dist 22.73

Point D011 N 6,973,183.52 E 11,751,517.18 Sta 155+00.20

Ending chain RAMP_1B description

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Office Locations
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NOVA DISTRICT DESIGN UNIT

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Horizontal Alignment Data

RAMP 2

From Sta.80+00.00 to Sta.84+22.70

Chain RAMP_2 contains:
D007 CUR C20 D022

Beginning chain RAMP_2 description
==

Point D007 N 6,972,101.57 E 11,752,022.38 Sta 80+00.00

Course from D007 to PC C20 S 38° 42′ 51.00″ E Dist 77.62

Curve Data

Curve C20
P.I. Station 82+45.50 N 6,971,910.00 E 11,752,175.93
Delta = 75° 58′ 06.87″ (RT)
Degree = 26° 38′ 57.12″
Tangent = 167.88
Length = 285.07
Radius = 215.00
External = 57.78
Long Chord = 264.64
Mid.Ord. = 45.54
P.C. Station 80+77.62 N 6,972,041.00 E 11,752,070.93
P.T. Station 83+62.69 N 6,971,776.38 E 11,752,074.30
C.C. N 6,971,906.53 E 11,751,903.17
Back = S 38° 42′ 51.00″ E
Ahead = S 37° 15′ 15.87″ W
Chord Bear = S 0° 43′ 47.56″ E

Course from PT C20 to D022 S 37° 18′ 35.11″ W Dist 60.01

Point D022 N 6,971,728.65 E 11,752,037.93 Sta 84+22.70

==
Ending chain RAMP_2 description

RAMP 2A

From Sta.30+00.00 to Sta.71+36.35

<* / Describe Chain RAMP_2A

Chain RAMP_2A contains:
D005 CUR C17 D006 D020 CUR C18 D021

Beginning chain RAMP_2A description
==

Point D005 N 6,973,862.57 E 11,748,804.67 Sta 30+00.00

Course from D005 to PC C17 S 66° 39′ 55.54″ E Dist 2,795.68

Curve Data

Curve C17
P.I. Station 60+96.33 N 6,972,636.11 E 11,751,647.74
Delta = 27° 57′ 04.54″ (RT)
Degree = 4° 44′ 34.90″
Tangent = 300.64
Length = 589.31
Radius = 1,208.00
External = 36.85
Long Chord = 583.49
Mid.Ord. = 35.76
P.C. Station 57+95.68 N 6,972,755.20 E 11,751,371.68
P.T. Station 63+85.00 N 6,972,401.53 E 11,751,835.77
C.C. N 6,971,646.00 E 11,750,893.20
Back = S 66° 39′ 55.54″ E
Ahead = S 38° 42′ 51.00″ E
Chord Bear = S 52° 41′ 23.27″ E

Course from PT C17 to D006 S 38° 42′ 51.00″ E Dist 100.00

Point D006 N 6,972,323.50 E 11,751,898.31 Sta 64+85.00

Course from D006 to D020 S 39° 23′ 58.50″ E Dist 250.78

Point D020 N 6,972,129.71 E 11,752,057.49 Sta 67+35.78

Course from D020 to PC C18 S 38° 42′ 51.00″ E Dist 14.11

Curve Data

Curve C18
P.I. Station 69+84.19 N 6,971,935.88 E 11,752,212.86
Delta = 91° 03′ 38.65″ (LT)
Degree = 24° 54′ 40.35″
Tangent = 234.30
Length = 365.54
Radius = 230.00
External = 98.32
Long Chord = 328.27
Mid.Ord. = 68.88
P.C. Station 67+49.89 N 6,972,118.70 E 11,752,066.32
P.T. Station 71+15.43 N 6,972,085.78 E 11,752,392.93
C.C. N 6,972,262.55 E 11,752,245.78
Back = S 38° 42′ 51.00″ E
Ahead = N 50° 13′ 30.36″ E
Chord Bear = S 84° 14′ 40.32″ E

Course from PT C18 to D021 N 50° 33′ 02.31″ E Dist 20.91

Point D021 N 6,972,099.07 E 11,752,409.08 Sta 71+36.35

==
Ending chain RAMP_2A description

RAMP 2B

From Sta.80+00.00 to Sta.90+12.14

Chain RAMP_2B contains:
D008 CUR C22 CUR C23 D009

Beginning chain RAMP_2B description
==

Point D008 N 6,972,966.78 E 11,750,820.62 Sta 80+00.00

Course from D008 to PC C22 S 66° 39′ 55.54″ E Dist 39.06

Curve Data

Curve C22
P.I. Station 80+87.33 N 6,972,932.19 E 11,750,900.81
Delta = 14° 48′ 39.40″ (RT)
Degree = 15° 25′ 38.64″
Tangent = 48.27
Length = 96.00
Radius = 371.39
External = 3.12
Long Chord = 95.74
Mid.Ord. = 3.10
P.C. Station 80+39.06 N 6,972,951.31 E 11,750,856.48
P.T. Station 81+35.07 N 6,972,902.37 E 11,750,938.77
C.C. N 6,972,610.30 E 11,750,709.38
Back = S 66° 39′ 55.54″ E
Ahead = S 51° 51′ 16.14″ E
Chord Bear = S 59° 15′ 35.84″ E

Curve Data

Curve C23
P.I. Station 83+85.88 N 6,972,747.46 E 11,751,136.02
Delta = 89° 57′ 26.70″ (RT)
Degree = 22° 49′ 37.21″
Tangent = 250.81
Length = 394.08
Radius = 251.00
External = 103.84
Long Chord = 354.84
Mid.Ord. = 73.45
P.C. Station 81+35.07 N 6,972,902.37 E 11,750,938.77
P.T. Station 85+29.15 N 6,972,550.09 E 11,750,981.25
C.C. N 6,972,704.98 E 11,750,783.74
Back = S 51° 51′ 16.14″ E
Ahead = S 38° 06′ 10.55″ W
Chord Bear = S 6° 52′ 32.79″ E

Course from PT C23 to D009 S 36° 51′ 13.09″ W Dist 482.99

Point D009 N 6,972,163.62 E 11,750,691.56 Sta 90+12.14

==
Ending chain RAMP_2B description

RAMP 3

From Sta.250+00.00 to Sta.255+15.43

Chain RAMP_3 contains:
D023 CUR C32 CUR C33 D024

Beginning chain RAMP_3 description
==

Point D023 N 6,971,644.97 E 11,752,081.64 Sta 250+00.00

Course from D023 to PC C32 N 50° 18′ 57.14″ E Dist 35.66

Curve Data

Curve C32
P.I. Station 251+61.11 N 6,971,747.84 E 11,752,205.62
Delta = 60° 31′ 37.21″ (RT)
Degree = 26° 38′ 57.12″
Tangent = 125.45
Length = 227.13
Radius = 215.00
External = 33.92
Long Chord = 216.71
Mid.Ord. = 29.30
P.C. Station 250+35.66 N 6,971,667.74 E 11,752,109.08
P.T. Station 252+62.78 N 6,971,703.21 E 11,752,322.87
C.C. N 6,971,502.28 E 11,752,246.37
Back = N 50° 18′ 57.14″ E
Ahead = S 69° 09′ 25.65″ E
Chord Bear = N 80° 34′ 45.75″ E

Course from PT C32 to PC C33 S 69° 09′ 25.65″ E Dist 62.48

Curve Data

Curve C33
P.I. Station 253+79.86 N 6,971,661.55 E 11,752,432.28
Delta = 12° 04′ 49.99″ (LT)
Degree = 11° 06′ 13.80″
Tangent = 54.60
Length = 108.80
Radius = 516.00
External = 2.88
Long Chord = 108.59
Mid.Ord. = 2.86
P.C. Station 253+25.26 N 6,971,680.98 E 11,752,381.25
P.T. Station 254+34.05 N 6,971,653.23 E 11,752,486.25
C.C. N 6,972,163.21 E 11,752,564.85
Back = S 69° 09′ 25.65″ E
Ahead = S 81° 14′ 15.64″ E
Chord Bear = S 75° 11′ 50.64″ E

Course from PT C33 to D024 S 81° 14′ 15.64″ E Dist 81.38

Point D024 N 6,971,640.84 E 11,752,566.68 Sta 255+15.43

==
Ending chain RAMP_3 description

RAMP 3A

From Sta.300+00.00 to Sta.325+59.30

Chain RAMP_3A contains:
D025 CUR C35 CUR C36 D013

Beginning chain RAMP_3A description
==

Point D025 N 6,972,064.64 E 11,752,470.85 Sta 300+00.00

Course from D025 to PC C35 S 37° 15′ 15.87″ W Dist 62.24

Curve Data

Curve C35
P.I. Station 304+23.57 N 6,971,727.50 E 11,752,214.44
Delta = 118° 29′ 31.51″ (LT)
Degree = 26° 38′ 57.12″
Tangent = 361.33
Length = 444.64
Radius = 215.00
External = 205.45
Long Chord = 369.53
Mid.Ord. = 105.06
P.C. Station 300+62.24 N 6,972,015.10 E 11,752,433.17
P.T. Station 305+06.88 N 6,971,672.46 E 11,752,571.55
C.C. N 6,971,884.95 E 11,752,604.30
Back = S 37° 15′ 15.87″ W
Ahead = S 81° 14′ 15.64″ E
Chord Bear = S 21° 59′ 29.88″ E

Course from PT C35 to PC C36 S 81° 14′ 15.64″ E Dist 309.63

Curve Data

Curve C36
P.I. Station 312+41.53 N 6,971,560.55 E 11,753,297.63
Delta = 50° 10′ 05.22″ (RT)
Degree = 6° 18′ 36.39″
Tangent = 425.03
Length = 795.04
Radius = 908.00
External = 94.55
Long Chord = 769.89
Mid.Ord. = 85.64
P.C. Station 308+16.50 N 6,971,625.29 E 11,752,877.56
P.T. Station 316+11.55 N 6,971,196.49 E 11,753,516.98
C.C. N 6,970,727.89 E 11,752,739.24
Back = S 81° 14′ 15.64″ E
Ahead = S 31° 04′ 10.41″ E
Chord Bear = S 56° 09′ 13.03″ E

Course from PT C36 to D013 S 31° 04′ 10.41″ E Dist 947.76

Point D013 N 6,970,384.70 E 11,754,006.10 Sta 325+59.30

==
Ending chain RAMP_3A description

RAMP 4

From Sta.500+00.00 to Sta.505+08.38

Chain RAMP_4 contains:
D015 CUR C45 D027

Beginning chain RAMP_4 description
==

Point D015 N 6,972,291.68 E 11,753,176.36 Sta 500+00.00

Course from D015 to PC C45 N 15° 59′ 53.93″ W Dist 267.49

Curve Data

Curve C45
P.I. Station 503+80.04 N 6,972,657.00 E 11,753,071.62
Delta = 55° 15′ 40.82″ (RT)
Degree = 26° 38′ 57.12″
Tangent = 112.55
Length = 207.37
Radius = 215.00
External = 27.68
Long Chord = 199.42
Mid.Ord. = 24.52
P.C. Station 502+67.49 N 6,972,548.81 E 11,753,102.64
P.T. Station 504+74.86 N 6,972,744.14 E 11,753,142.85
C.C. N 6,972,608.07 E 11,753,309.31
Back = N 15° 59′ 53.93″ W
Ahead = N 39° 15′ 46.89″ E
Chord Bear = N 11° 37′ 56.48″ E

Course from PT C45 to D027 N 39° 15′ 46.88″ E Dist 33.52

Point D027 N 6,972,770.09 E 11,753,164.06 Sta 505+08.38

==
Ending chain RAMP_4 description

RAMP 4A

From Sta.400+00.00 to Sta.421+95.43

Chain RAMP_4A contains:
D014 CUR C40 CUR C41 CUR C42 D026

Beginning chain RAMP_4A description
==

Point D014 N 6,970,728.11 E 11,753,905.00 Sta 400+00.00

Course from D014 to PC C40 N 31° 07′ 01.81″ W Dist 697.53

Curve Data

Curve C40
P.I. Station 407+56.72 N 6,971,375.94 E 11,753,513.94
Delta = 2° 19′ 50.93″ (LT)
Degree = 1° 58′ 08.65″
Tangent = 59.19
Length = 118.37
Radius = 2,909.79
External = 0.60
Long Chord = 118.36
Mid.Ord. = 0.60
P.C. Station 406+97.53 N 6,971,325.27 E 11,753,544.53
P.T. Station 408+15.90 N 6,971,425.33 E 11,753,481.31
C.C. N 6,969,821.52 E 11,751,053.42
Back = N 31° 07′ 01.81″ W
Ahead = N 33° 26′ 52.74″ W
Chord Bear = N 32° 16′ 57.27″ W

Curve Data

Curve C41
P.I. Station 410+32.82 N 6,971,606.33 E 11,753,361.75
Delta = 15° 45′ 10.72″ (RT)
Degree = 3° 39′ 14.64″
Tangent = 216.92
Length = 431.11
Radius = 1,568.00
External = 14.93
Long Chord = 429.75
Mid.Ord. = 14.79
P.C. Station 408+15.90 N 6,971,425.33 E 11,753,481.31
P.T. Station 412+47.01 N 6,971,812.99 E 11,753,295.82
C.C. N 6,972,289.58 E 11,754,789.63
Back = N 33° 26′ 52.74″ W
Ahead = N 17° 41′ 42.02″ W
Chord Bear = N 25° 34′ 17.38″ W

Course from PT C41 to PC C42 N 17° 41′ 42.02″ W Dist 507.33

Curve Data

Curve C42
P.I. Station 420+71.83 N 6,972,598.79 E 11,753,045.11
Delta = 111° 47′ 22.31″ (LT)
Degree = 26° 38′ 57.12″
Tangent = 317.49
Length = 419.49
Radius = 215.00
External = 168.44
Long Chord = 356.04
Mid.Ord. = 94.45
P.C. Station 417+54.34 N 6,972,296.32 E 11,753,141.61
P.T. Station 421+73.82 N 6,972,396.91 E 11,752,800.07
C.C. N 6,972,230.97 E 11,752,936.78
Back = N 17° 41′ 42.02″ W
Ahead = S 50° 30′ 55.66″ W
Chord Bear = N 73° 35′ 23.18″ W

Course from PT C42 to D026 S 50° 30′ 55.66″ W Dist 21.61

Point D026 N 6,972,383.17 E 11,752,783.40 Sta 421+95.43

==
Ending chain RAMP_4A description

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	1G(1A)

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1G(1B)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Horizontal Alignment Data

DEVLIN ROAD

From Sta.600+00.00 to Sta.606+00.62

Chain DEVLIN contains:
DEVLIN1 CUR C53 DEVLIN5

Beginning chain DEVLIN description
Feature:- 50 Scale Baselines

Point D016 N 6,968,206.40 E 11,749,412.35 Sta 600+00.00

Course from D016 to PC C47 N 65° 13' 03.29" W Dist 118.82

Curve Data

Curve C47			
P.I. Station	602+61.65	N 6,968,316.07	E 11,749,174.80
Delta =	59° 16' 58.16" (RT)		
Degree =	22° 49' 37.21"		
Tangent =	142.83		
Length =	259.70		
Radius =	251.00		
External =	37.79		
Long Chord =	248.27		
Mid.Ord. =	32.85		
P.C. Station	601+18.82	N 6,968,256.20	E 11,749,304.47
P.T. Station	603+78.52	N 6,968,458.14	E 11,749,160.03
C.C.		N 6,968,484.09	E 11,749,409.68
Back	= N 65° 13' 03.29" W		
Ahead	= N 5° 56' 05.13" W		
Chord Bear	= N 35° 34' 34.21" W		

Course from PT C47 to D017 N 5° 56' 05.13" W Dist 736.95

Point D017 N 6,969,191.13 E 11,749,083.83 Sta 611+15.47

Ending chain DEVLIN_RD description

WELLINGFORD DRIVE

From Sta.400+00.00 to Sta.410+81.42

Chain WELLINGFORD contains:
CUR C56 CUR C57 WELLINGFORD6

Beginning chain WELLINGFORD description
Feature:- 50 Scale Baselines

Curve Data

Curve C56			
P.I. Station	402+15.16	N 6,970,937.67	E 11,750,903.82
Delta =	30° 06' 25.15" (RT)		
Degree =	7° 09' 43.10"		
Tangent =	215.16		
Length =	420.37		
Radius =	800.00		
External =	28.43		
Long Chord =	415.55		
Mid.Ord. =	27.45		
P.C. Station	400+00.00	N 6,970,987.39	E 11,750,694.49
P.T. Station	404+20.37	N 6,970,789.65	E 11,751,059.98
C.C.		N 6,970,209.04	E 11,750,509.62
Back	= S 76° 38' 19.59" E		
Ahead	= S 46° 31' 54.44" E		
Chord Bear	= S 61° 35' 07.01" E		

Course from PT C56 to PC C57 S 46° 31' 54.44" E Dist 241.39

Curve Data

Curve C57			
P.I. Station	407+67.65	N 6,970,550.73	E 11,751,312.02
Delta =	16° 30' 24.93" (LT)		
Degree =	7° 50' 55.45"		
Tangent =	105.89		
Length =	210.31		
Radius =	730.00		
External =	7.64		
Long Chord =	209.59		
Mid.Ord. =	7.56		
P.C. Station	406+61.76	N 6,970,623.58	E 11,751,235.17
P.T. Station	408+72.08	N 6,970,502.72	E 11,751,406.40
C.C.		N 6,971,153.38	E 11,751,737.37
Back	= S 46° 31' 54.44" E		
Ahead	= S 63° 02' 19.37" E		
Chord Bear	= S 54° 47' 06.90" E		

Course from PT C57 to WELLINGFORD6 S 63° 02' 19.37" E Dist 209.34

Point WELLINGFORD6 N 6,970,407.81 E 11,751,592.99 Sta 410+81.42

Ending chain WELLINGFORD description

WELLINGTON ROAD

From Sta.500+00.00 to Sta.519+74.84

Chain WELLINGTON contains:
CUR C54 CUR C55 WELLINGTON4

Beginning chain WELLINGTON description
Feature:- 50 Scale Baselines

Curve Data

Curve C54			
P.I. Station	502+69.99	N 6,969,653.04	E 11,748,949.15
Delta =	12° 13' 14.96" (RT)		
Degree =	2° 16' 18.62"		
Tangent =	269.99		
Length =	537.93		
Radius =	2,522.00		
External =	14.41		
Long Chord =	536.91		
Mid.Ord. =	14.33		
P.C. Station	500+00.00	N 6,969,611.77	E 11,748,682.33
P.T. Station	505+37.93	N 6,969,636.88	E 11,749,218.65
C.C.		N 6,967,119.40	E 11,749,067.77
Back	= N 81° 12' 32.51" E		
Ahead	= S 86° 34' 12.53" E		
Chord Bear	= N 87° 19' 09.99" E		

Curve Data

Curve C55			
P.I. Station	507+79.18	N 6,969,622.45	E 11,749,459.48
Delta =	15° 58' 08.68" (RT)		
Degree =	3° 19' 52.14"		
Tangent =	241.26		
Length =	479.39		
Radius =	1,720.00		
External =	16.84		
Long Chord =	477.84		
Mid.Ord. =	16.67		
P.C. Station	505+37.93	N 6,969,636.88	E 11,749,218.65
P.T. Station	510+17.31	N 6,969,542.32	E 11,749,687.04
C.C.		N 6,967,919.96	E 11,749,115.75
Back	= S 86° 34' 12.53" E		
Ahead	= S 70° 36' 03.85" E		
Chord Bear	= S 78° 35' 08.19" E		

Course from PT C55 to WELLINGTON4 S 70° 36' 03.85" E Dist 957.53

Point WELLINGTON4 N 6,969,224.28 E 11,750,590.21 Sta 519+74.84

Ending chain WELLINGTON description

DOANE DRIVE

From Sta.00+00.00 to Sta.02+00.00

Chain DOANE contains:
DOANE1 DOANE2

Beginning chain DOANE description
Feature:- 50 Scale Baselines

Point DOANE1 N 6,973,223.89 E 11,754,625.12 Sta 0+00.00

Course from DOANE1 to DOANE2 S 0° 30' 07.26" E Dist 200.00

Point DOANE2 N 6,973,023.90 E 11,754,626.88 Sta 2+00.00

Ending chain DOANE description

CUSHING ROAD

From Sta.200+00.00 to Sta.224+35.89

Chain OLDBALLSFORD contains:
CUR C58 CUR C59 CUR C60 CUR C61 OLDBALLSFORD10

Beginning chain OLDBALLSFORD description
Feature:- 50 Scale Baselines

Curve Data

Curve C58			
P.I. Station	203+06.92	N 6,973,530.80	E 11,754,622.43
Delta =	101° 26' 48.16" (LT)		
Degree =	22° 49' 37.21"		
Tangent =	306.92		
Length =	444.42		
Radius =	251.00		
External =	145.48		
Long Chord =	388.60		
Mid.Ord. =	92.10		
P.C. Station	200+00.00	N 6,973,223.89	E 11,754,625.12
P.T. Station	204+44.42	N 6,973,467.25	E 11,754,322.17
C.C.		N 6,973,221.69	E 11,754,374.13
Back	= N 0° 30' 07.26" W		
Ahead	= S 78° 03' 04.58" W		
Chord Bear	= N 51° 13' 31.34" W		

Course from PT C58 to PC C59 S 78° 03' 04.58" W Dist 212.05

Curve Data

Curve C59			
P.I. Station	208+28.16	N 6,973,387.80	E 11,753,946.73
Delta =	35° 31' 26.76" (RT)		
Degree =	10° 41' 22.24"		
Tangent =	171.70		
Length =	332.33		
Radius =	536.00		
External =	26.83		
Long Chord =	327.03		
Mid.Ord. =	25.55		
P.C. Station	206+56.46	N 6,973,423.35	E 11,754,114.71
P.T. Station	209+88.79	N 6,973,456.48	E 11,753,789.36
C.C.		N 6,973,947.74	E 11,754,003.74
Back	= S 78° 03' 04.58" W		
Ahead	= N 66° 25' 28.66" W		
Chord Bear	= N 84° 11' 12.04" W		

Curve Data

Curve C60			
P.I. Station	210+37.38	N 6,973,475.91	E 11,753,744.83
Delta =	1° 53' 10.56" (RT)		
Degree =	1° 56' 28.25"		
Tangent =	48.59		
Length =	97.17		
Radius =	2,951.59		
External =	0.40		
Long Chord =	97.17		
Mid.Ord. =	0.40		
P.C. Station	209+88.79	N 6,973,456.48	E 11,753,789.36
P.T. Station	210+85.96	N 6,973,496.80	E 11,753,700.96
C.C.		N 6,976,161.71	E 11,754,969.87
Back	= N 66° 25' 28.66" W		
Ahead	= N 64° 32' 18.10" W		
Chord Bear	= N 65° 28' 53.38" W		

Course from PT C60 to PC C61 N 64° 32' 18.10" W Dist 324.70

Curve Data

Curve C61			
P.I. Station	217+68.19	N 6,973,790.09	E 11,753,084.99
Delta =	39° 20' 49.56" (LT)		
Degree =	5° 43' 46.48"		
Tangent =	357.53		
Length =	686.74		
Radius =	1,000.00		
External =	61.99		
Long Chord =	673.32		
Mid.Ord. =	58.37		
P.C. Station	214+10.66	N 6,973,636.39	E 11,753,407.80
P.T. Station	220+97.40	N 6,973,704.29	E 11,752,737.91
C.C.		N 6,972,733.52	E 11,752,977.89
Back	= N 64° 32' 18.10" W		
Ahead	= S 76° 06' 52.34" W		
Chord Bear	= N 84° 12' 42.88" W		

Course from PT C61 to OLDBALLSFORD10 S 76° 06' 52.34" W Dist 338.49

Point OLDBALLSFORD10 N 6,973,623.06 E 11,752,409.31 Sta 224+35.89

Ending chain OLDBALLSFORD description

VDOT PROJECT	SHEET NO.
6234-076-266	1G(1B)

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services
Office Locations
4500 Main Street, Suite 310, Virginia Beach, VA 23462, Phone: (757-390-4422, Fax: (757) xxx-xxxx

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

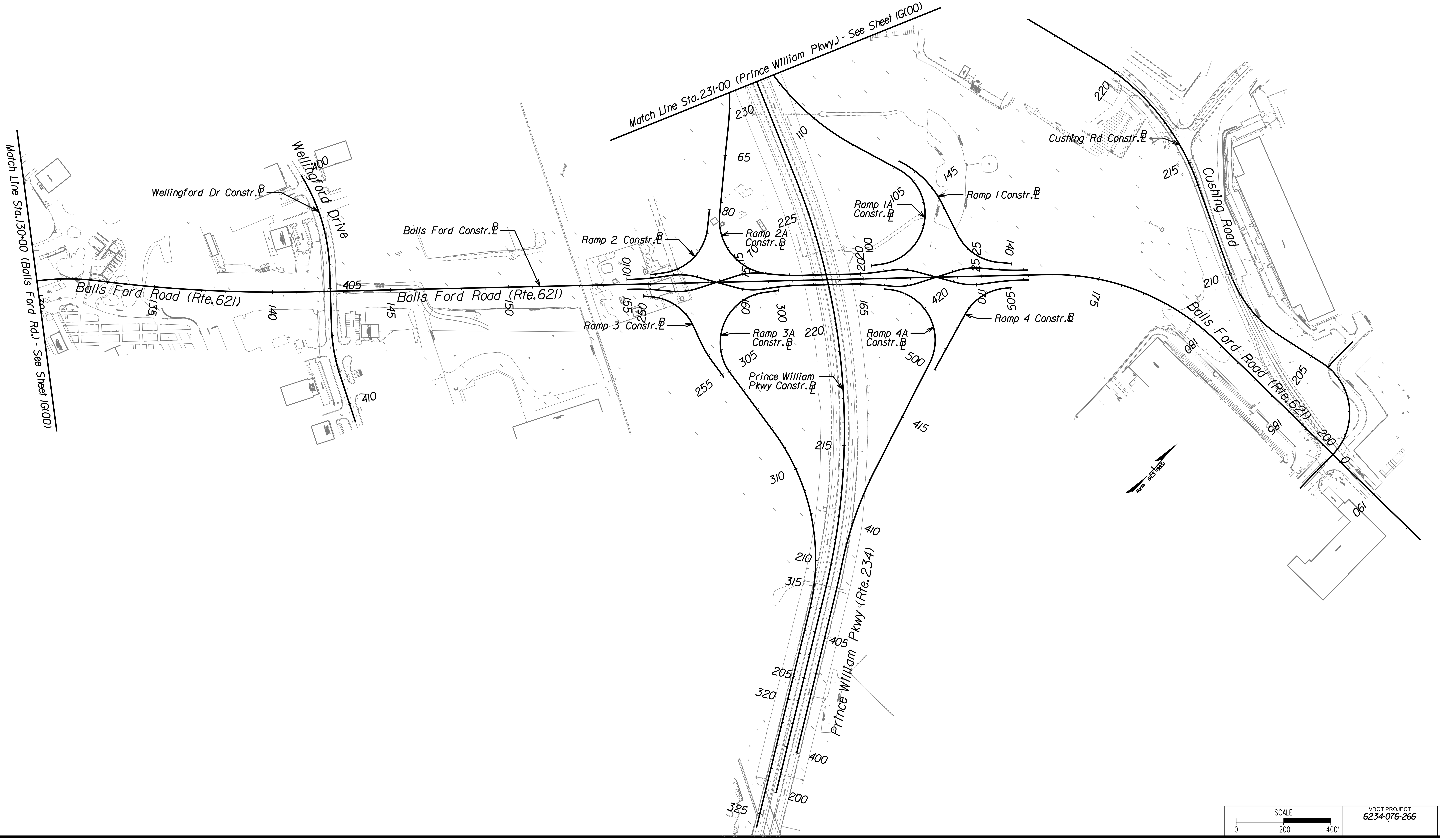
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Proposed Baselines

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	621	6234-076-266, C-501, RW-201	1G(2)

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

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



SCALE	VDOT PROJECT	SHEET NO.
0 200' 400'	6234-076-266	1G(2)

PH PLAN

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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Proposed Baselines

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IG(2A)

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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Manassas, Virginia
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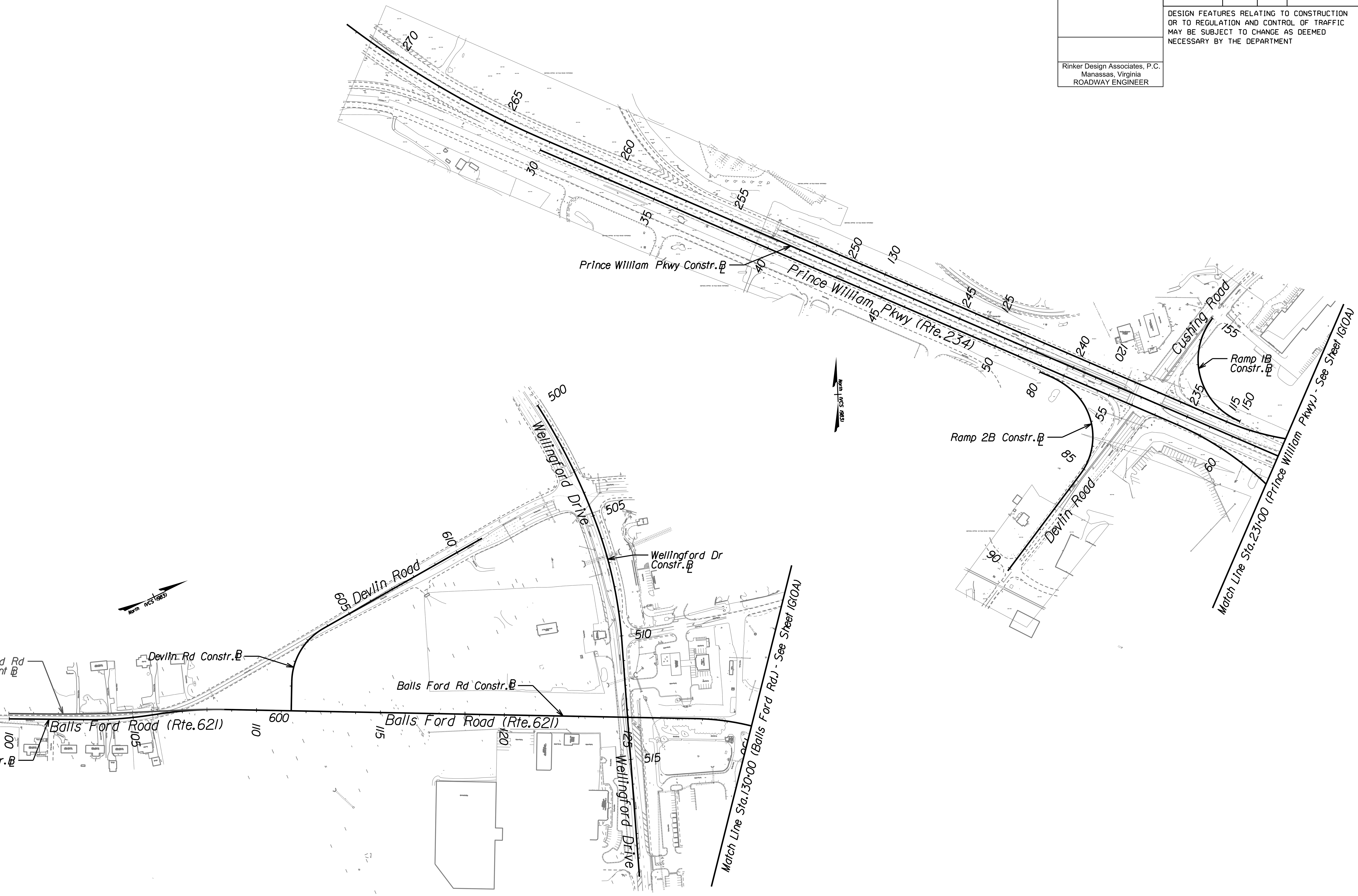

SCALE	VDOT PROJECT	SHEET NO.
0 200' 400'	6234-076-266	IG(2A)

Rinker Design Associates, P.C.
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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Office Locations
4500 Main Street, Suite 310, Virginia Beach, VA 23462, Phone: (757-390-4422, Fax: (757) xxx-xxxx
Maple Grove Drive, Suite 105, Fredericksburg, VA 22407, Phone: (540) 548-4470, Fax: (540) 548-4471
Rinker Design Associates, P.C.
LANE
NOVA DISTRICT DESIGN UNIT

TMP/SOC

Temporary Traffic Control Plan General Notes

Temporary Traffic Control Plan

General Notes:

1 TMP/SOC Type C Project Information:

a Identify the project's TMP Type:
This project's TMP/SOC has been designed in conformance with a Type C TMP/SOC.

b Identify the work zone location, length, and widths:
The project location is as shown on Sheet 1A, 1A(1). The work zone areas have been delineated as shown on the TMP/SOC plan Sheets 1J series through 1N series. The work zone lengths and widths vary by location as shown on the TMP/SOC plan sheets on the 1J series through 1N series.

c Note the hours the Construction Area will be active:
Construction Area shall be considered active when any impact to traffic occurs (1st Cone in Road).
Construction Area hours have the following limitations:

	SINGLE LANE CLOSURES (MAJOR ARTERIALS*)			
	MONDAY TO THURSDAY	FRIDAY	SATURDAY	SUNDAY
DAY TIME	9:30AM TO 3:00PM	9:30AM TO 2:00PM	-	-
NIGHT TIME	10:00PM TO 5:00AM	10:00PM TO 9:00AM	10:00PM TO 8:00AM	10:00PM TO 5:00AM
	SINGLE LANE CLOSURES (OTHER ROADWAYS)			
	MONDAY TO THURSDAY	FRIDAY	SATURDAY	SUNDAY
DAY TIME	9:00AM TO 3:30PM	9:00AM TO 3:30PM	-	-
NIGHT TIME	9:00PM TO 5:00AM	9:00PM TO 9:00AM	9:00PM TO 9:00AM	10:00PM TO 5:00AM
	SINGLE LANE CLOSURES (PRINCE WILLIAM PKWY. EASTBOUND)			
	MONDAY TO THURSDAY	FRIDAY	SATURDAY	SUNDAY
DAY TIME	10:00AM TO 3:30PM	10:00AM TO 12:00PM	-	-
NIGHT TIME	8:00PM TO 5:00AM	9:00PM TO 9:00AM	9:00PM TO 9:00AM	8:00PM TO 5:00AM
	SINGLE LANE CLOSURES (PRINCE WILLIAM PKWY. WESTBOUND)			
	MONDAY TO THURSDAY	FRIDAY	SATURDAY	SUNDAY
DAY TIME	9:00AM TO 2:30PM	9:00AM TO 12:00PM	-	-
NIGHT TIME	9:00PM TO 6:00AM	9:00PM TO 9:00AM	9:00PM TO 9:00AM	8:00PM TO 5:00AM

* Major Arterials are defined as Primary Roads, high volume Secondary Roads, and all other routes that connect directly to Interstates.

Single-lane closures are only permitted for multiple-lane roadways.

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

d Installation/removal of Concrete Traffic Barrier Service shall only occur during night time hours or non-peak hours using VWAPM TTC-13.2, or as directed by the Engineer.

The TMP/SOC plan, during construction, shall be in accordance with Sections 512, 701, 703, & 704 of the Virginia Department of Transportation Road and Bridge Specifications, dated 2016; the Virginia Work Area Protection Manual, dated 2019; the Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition; and the Virginia Department of Transportation Road and Bridge Standards, dated 2016.

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

Existing Entrances:
All existing commercial or private entrances shall remain open for the duration of construction unless otherwise indicated on this plan.

Existing Intersections:
There are two existing signalized intersections within the project limits. They are the intersections of:
Prince William Parkway (Route 234) at Cushing Road
Prince William Parkway (Route 234) at Doane Drive

All intersections are to remain open during construction unless otherwise indicated on this plan. Intersections may be reduced to one lane when the construction zone is active, using VWAPM TTC-28.2 or as approved by the Engineer. When the construction zone is not active, all intersections shall be open.

Existing Pedestrian Access Points:
Within the project limits, pedestrian access points are very limited. Most pedestrian access points occur at the intersections. The Contractor is to maintain safe passage for pedestrians and bicyclists within the project limits for the duration of construction.

Existing Bus Stops:
There are no bus stops within the project limits.

f Identify the major types of travelers:
The roadway carries large diverse types of travelers. In the peak hours however, commuters are the prevailing traveler type for this roadway.

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

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

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

Inform the Engineer of any work requiring lane shifts, lane closures, and/or phase changes a minimum of two working days prior to implementing this activity.

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

Coordinate with Prince William County Police Department, Prince William County Fire/Rescue Department, and Virginia State Police for any lane closures and any detours of any nature at least seven working days prior to implementing a lane closure.

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

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

2 This TMP/SOC plan is intended as a guide. It is not to enumerate every detail which must be considered in the construction of each phase, but only to show the general handling of existing traffic. It shall be the responsibility of the Contractor to present a formal TMP/SOC plan with construction signage to the Engineer for approval prior to any construction activity that may affect the existing traffic.

3 Contractor is to maintain two lanes of traffic (one in each direction) on James Madison Highway and is to maintain a minimum of one lane of traffic on all street connections when the construction zone is active unless otherwise specified by the Engineer. When the construction zone is not active, the Contractor shall ensure all street connections maintain a minimum of two lanes of traffic (one in each direction). During construction of this project, the travelway shall have a minimum clear roadway width no less than existing conditions unless otherwise approved by the Engineer. For commercial connections or private entrances, a minimum width no less than the existing conditions shall be maintained at all times, unless approved by the Engineer.

4 Concrete Traffic Barrier Service shall be installed and removed so as to not present any blunt end or hazard to the motoring public. The placement and removal of Concrete Traffic Barrier Service are to be coordinated by the Project Safety Officer. When Concrete Traffic Barrier Service is installed, Impact Attenuators shall be placed at the beginning of the Concrete Traffic Barrier Service. Project Safety Officer shall ensure Concrete Traffic Barrier Service is installed in accordance with VDOT's and manufacturer's specifications to prevent deflection. Additionally, Project Safety Officer shall ensure Concrete Traffic Barrier Service, when installed with flares, shall be in accordance with VDOT's VWAPM.

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

6 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.

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

8 The cost to remove the construction pavement markings and pre-approved black tape shall be included in the cost to install construction pavement markings and will not be paid for as a separate item.

9 Where Group 2 Channelizing Devices are used to separate the Construction Area and traffic, a minimum clear zone area as defined in the VWAPM is to be maintained. Group 2 Channelizing Devices shown on the plan are schematic. Contractor shall follow VWAPM guidelines for device spacing along transitions and parallel to the roadway.

10 The Contractor is to coordinate with Prince William County for location(s) of the construction staging area(s). Contractor is responsible for obtaining easements and permits associated for these location(s). Contractor is solely responsible for the cost to acquire easement for staging area(s) and it shall not be paid for as a separate item.

11 St'd ACOT-1 pavement tie-in shall be applied in all locations during construction where proposed permanent pavement or proposed temporary pavement ties into existing pavement.

12 All areas excavated below the existing pavement surface and within the clear zone at the conclusion of each workday shall be backfilled to form an approximate 6:1 wedge against the existing pavement or newly constructed pavement surface for the safety and protection of vehicular traffic. Protection shall also be provided at the end of the day for constructed items which are above grade and present a hazard to motorists. Traffic shall be protected from these items while construction work zone is not active. All costs for placing, maintaining, and removing 6:1 wedge and other forms of protection shall be included in the price bid for other items in the contract and no additional compensation will be allowed.

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

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

15 PUBLIC COMMUNICATIONS PLAN
The Contractor shall be responsible for:

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

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

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

a Notify the Northern Region Transportation Operations Center (TOC) at (571) 350-2100 at least 48 hours in advance in order to place lane closure information on the 511 System and VA-Traffic.

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

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

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

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

CONTACT NUMBERS

Emergency Call		911
Non-Emergency Numbers:		
Prince William County Police		(703) 792-6500
Prince William County Fire & Rescue		(703) 792-6800
PWC Project Manager	Mary Ankers	(703) 792-4228
PWC Construction Manager	Robert Burkart	(703) 792-6985
Design Build Project Manager	Richard McDonough	(703) 225-7597
Design Build Design Manager	Mark Gunn	(703) 368-7373

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC VWAPM TTC Details

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended Nov. 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1I(1)

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Typical Traffic Control
Stationary Operation on a Shoulder
(Figure TTC-4.2)

NOTES

Standard

1. **For long-term stationary work (more than 3 days) on divided highways having a median wider than 8', sign assemblies on both sides of the roadway shall be required as shown (ROAD WORK AHEAD (W20-1), RIGHT SHOULDER CLOSED AHEAD (W21-5bR), RIGHT SHOULDER CLOSED (W21-5aR)[1]), even though only one shoulder is being closed. For operations less than 3 days in duration, sign assemblies will only be required on the side where the shoulder is being closed.**

Guidance

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*

Option:

3. The SHOULDER WORK (W21-5) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity amber rotating, flashing, or[1] oscillating lights is used.

Standard:

5. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[1] oscillating, lights.**
6. **Taper length (L) shall be at the following:**

Taper Length L											
Speed Limit (mph)	Lane Width (Feet)				Remarks	Speed Limit (mph)	Lane Width (Feet)				Remarks
	9	10	11	12			9	10	11	12	
25	95	105	115	125	$L=S^2W/60$	50	450	500	550	600	L=SW
30	135	150	165	180	$L=S^2W/60$	55	495	550	605	660	L= SW
35	185	205	225	245	$L=S^2W/60$	60	540	600	660	720	L=SW
40	240	270	295	320	$L=S^2W/60$	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed, for shifting taper see Table 6H.2[2]											
Shoulder Taper = ⅓ L Minimum											

7. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing								
Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
	0 -35	36 +		0 -35	36 +		0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.								

8. **On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.**
9. **The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A truck-mounted attenuator (TMA) shall be used on the shadow vehicle on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph for operations with a duration greater than 60 minutes.**
11. **When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.**

Typical Traffic Control
Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)

NOTES

Standard

1. **For required sign assemblies for multi-lane roadways see Note 1, TTC-4.[1]**

Guidance

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *When work takes up part of a lane on a high volume roadway; vehicular traffic volumes, vehicle mix, speed and capacity should be analyzed to determine whether the affected lane should be closed. Unless the lane encroachment analysis permits a remaining lane width of 10 feet, the lane should be closed. If the closure operation is on a Limited Access highway, the minimum lane width is 11 feet.*

Option:

4. The ROAD WORK AHEAD (W20-1) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.

Standard:

5. **A shadow vehicle with either an arrow board operating in the caution mode, or at least one high-intensity amber rotating, flashing, or[1] oscillating light shall be parked 80' - 120' in advance of the first work crew.**
6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[1] oscillating lights.**
7. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L											
Speed Limit (mph)	Lane Width (Feet)				Remarks	Speed Limit (mph)	Lane Width (Feet)				Remarks
	9	10	11	12			9	10	11	12	
25	95	105	115	125	$L=S^2W/60$	50	450	500	550	600	L=SW
30	135	150	165	180	$L=S^2W/60$	55	495	550	605	660	L= SW
35	185	205	225	245	$L=S^2W/60$	60	540	600	660	720	L=SW
40	240	270	295	320	$L=S^2W/60$	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed, a 750' shifting taper for posted speeds < 65 mph and a 1000' shifting taper for posted speeds ≥ 65 mph.[2]											
Shoulder Taper = ⅓ L Minimum											

8. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing								
Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
	0 -35	36 +		0 -35	36 +		0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.								

9. **On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.[2]**
10. **The buffer space length The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
11. **A truck-mounted attenuator (TMA) shall be used on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph.**
12. **When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.**

Typical Traffic Control
Shoulder Closure with Barrier and Lane Shift Operation
(Figure TTC-7.1)

NOTES

Guidance:

1. *The lane shift should be used when the work space extends into either the right or left lane of a divided highway and it is not practical, for capacity reasons, to reduce the number of available lanes.*
2. *When a lane shift is accomplished by using: (1) geometry that meets the design speed at which the permanent highway was designed, (2) full normal cross-section (full lane width and full shoulders), and (3) complete pavement markings, then the Reverse Curve signs are not required.*
3. *Sign spacing distance should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*

Standard:

4. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
5. **Length of pavement marking transition (L) is equal to posted speed (S) times the width of transition (W) (Example: 55 mph x 2' = 110').**
6. **Group 2 Channelizing device spacing shall be at the following:**

Group 2 Channelizing Device Spacing								
Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
	0 -35	36 +		0 -35	36 +		0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.								

7. **For end treatment of the barrier in order of preference see Note 6 of TTC-6.**
8. **Barrier panels 8 inches in width and 12 inches in height shall be placed on top of the concrete barrier and spaced on 40' centers along the transition or taper sections and spaced on 80' centers along the parallel or tangent sections. Reflectorized surface shall be fluorescent orange prismatic lens sheeting. The light at the beginning of the barrier run and at the breakpoint where the barrier becomes parallel to the roadway shall be a Type B flashing light. Barrier delineators shall be installed along the traffic side of the concrete barriers. Barrier delinators shall be spaced on 20' centers along the transition or taper sections and spaced on 80' centers and centered[2] in-between the barrier panels along the parallel or tangent sections[2] approximately 24 inches up from the roadway surface.**
9. **Unless approved by the District[2] Traffic Engineer, the minimum width of the travel lanes shall be 11 feet.**
10. **For long-term work zones existing conflicting pavement markings and markers shall be removed and temporary pavement markings and markers shall be installed per TTC-60.**

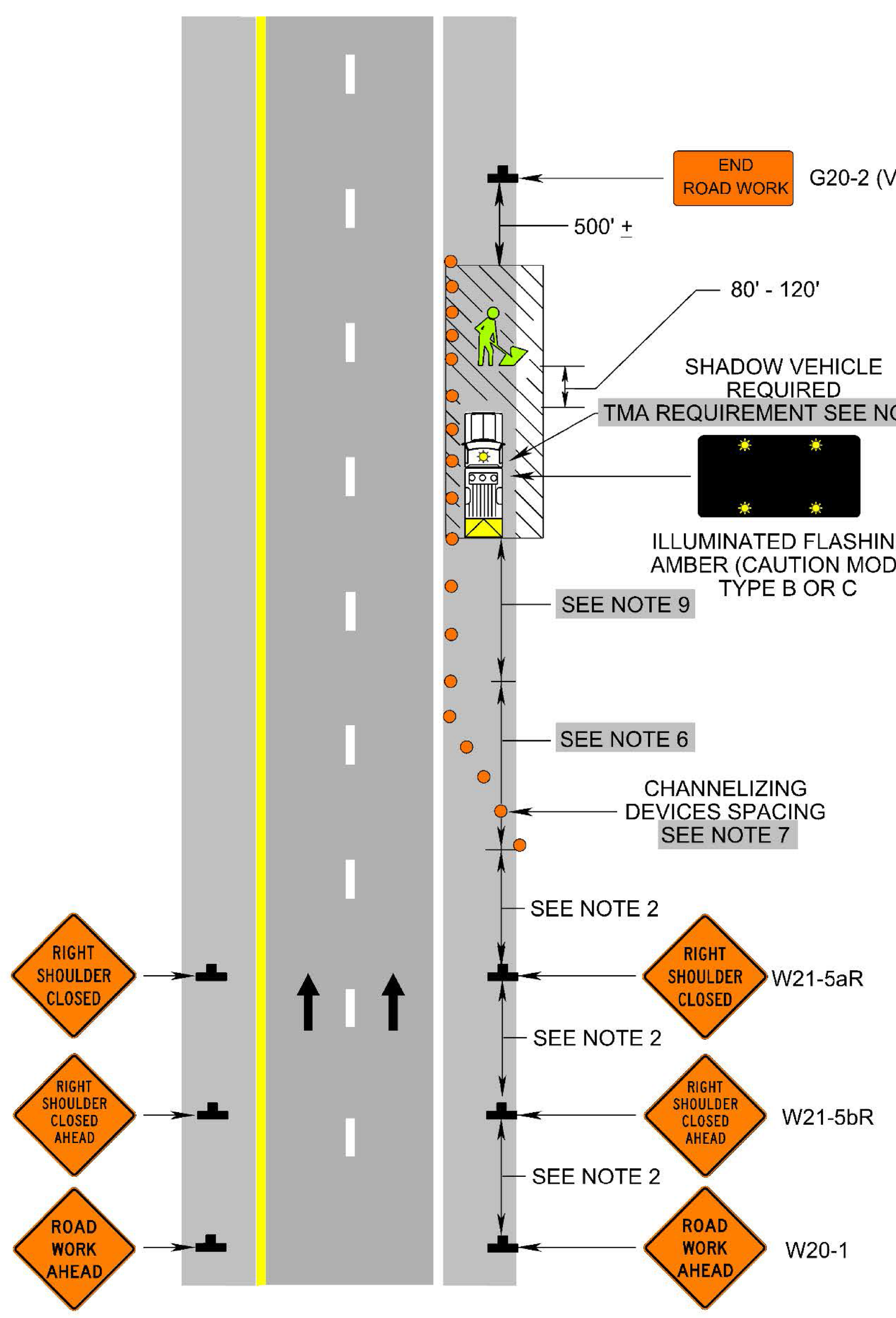
Option:

11. Temporary pavement may be needed to maintain traffic with 11' minimum width lanes.

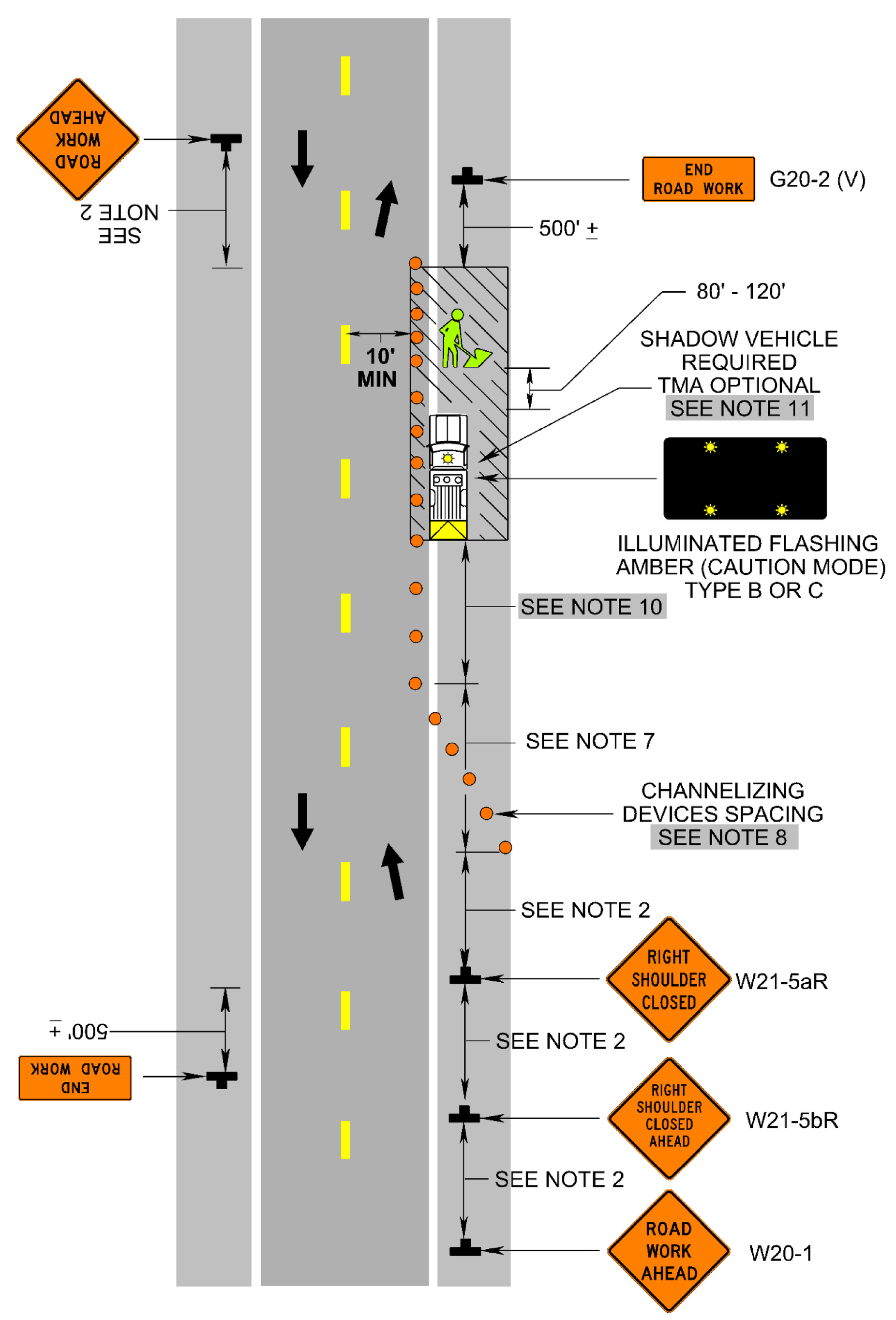
Guidance:

12. *Eradication of existing pavement markings should be as shown in Typical Traffic Control Figure TTC-55.*
13. *If drivers cannot see a pull-off area beyond the closed shoulder, information regarding the length of the shoulder closure should be provided in feet or miles, as appropriate.*
14. *An emergency pull-off area should be provided per Section 6G.18 and Temporary Traffic Control Figure TTC-8.*

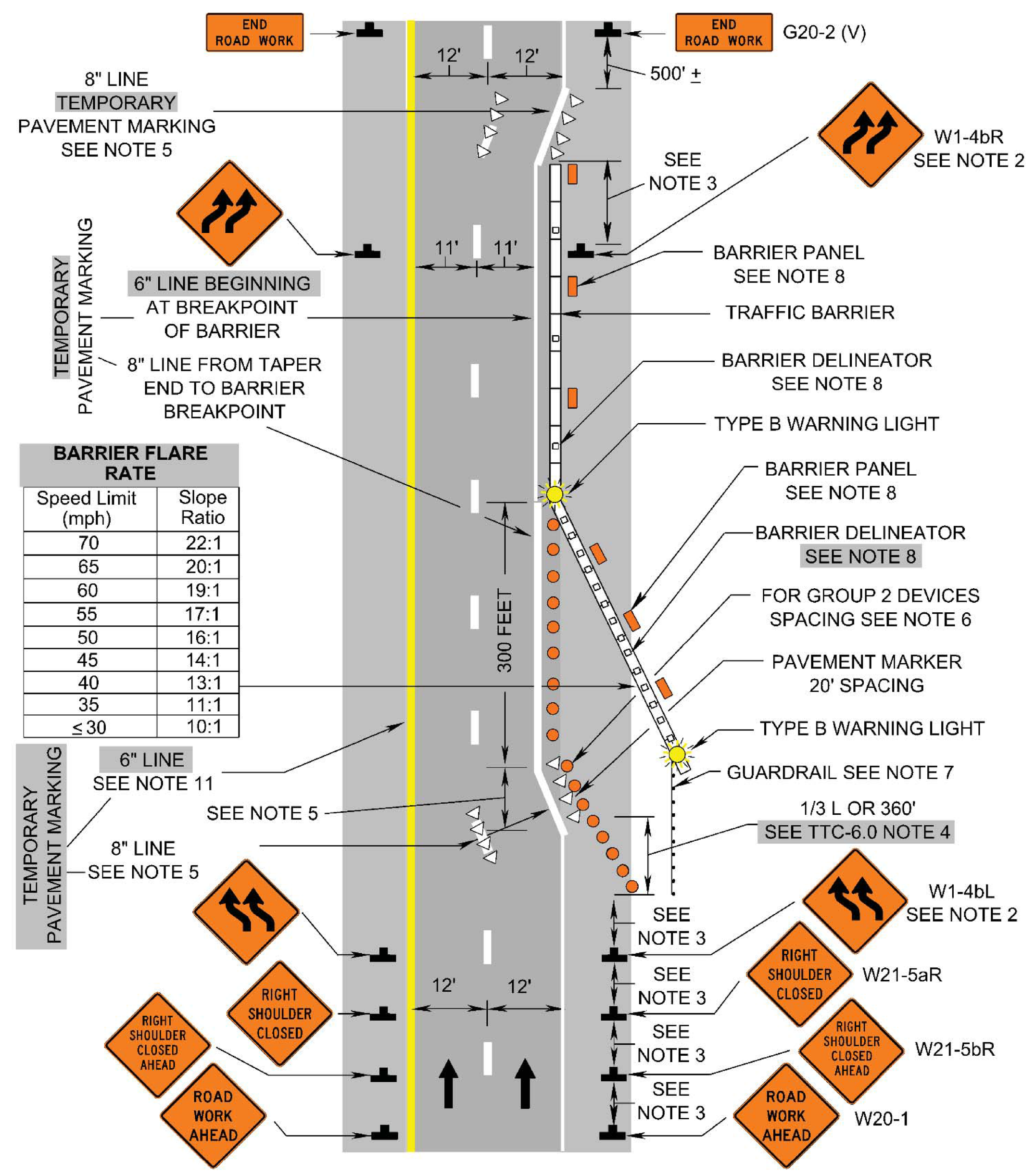
Stationary Operation on a Shoulder
(Figure TTC-4.2)



Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)



Shoulder Closure with Barrier and Lane Shift Operation
(Figure TTC-7.1)



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1I(1)

Rinker Design Associates, P.C.
Civil Engineering · Surveying · Land Planning · Transportation · Environmental · Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended Nov. 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	111(2)

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

TMP/SOC VWAPM TTC Details

Typical Traffic Control

Moving/Mobile Operations on a Multi-Lane Roadway

(Figure TTC-13.2)

NOTES

Standard:

1. **Each vehicle involved in the moving/mobile operation shall be equipped with at least one high-intensity amber rotating, flashing[1], or oscillating light. Illuminated flashing arrows on the shadow vehicles and work operations vehicle shall be a Type B (60" x 30") or Type C (96" x 48"). Vehicle hazard warning signals shall not be used instead of rotating, flashing, or oscillating[1] lights, but as a supplement.**
2. **Each vehicle involved in the moving operation shall have radio communications between vehicles.[2]**

Option:

3. If the work operations vehicle is a motorized piece of equipment, such as a motor grader, grade-all, etc., the illuminated flashing arrow will not be required.
4. The static warning sign and arrow board may be replaced with a vehicle-mounted CMS with a minimum character height of 10".
5. Arrow direction and designation may change as needed.

Guidance:

6. *Spacing between vehicles may vary, depending on the speed, sight distance, and type of moving operation. Whenever adequate stopping sight distance exists to the rear, the shadow vehicle should maintain the minimum distance and proceed at the same speed as the work operation vehicle. The shadow vehicle should slow down in advance of vertical or horizontal curves that restrict sight distance.*
7. *Actual conditions could dictate more traffic control device needs in the operation. On high speed, high volume roads, a shadow vehicle on the shoulder with an arrow board and sign should be used. Also, in certain situations, appropriate stationary signing (SPRAYING NEXT 5 MILES (W21-V5)) could be used to further enhance safety.*

Standard:

8. **If Shadow Vehicle 1 cannot run completely on the shoulder and is partially in the travel lane, it shall be equipped with a truck-mounted attenuator (TMA).**
9. **When the work operations vehicle is stationary, Shadow Vehicle 2 following the work operations vehicle shall be in a position 80'-120' in advance of the work operations vehicle to provide protection. When the work operations vehicle is moving, Shadow Vehicle 2 following the work operations vehicle shall follow at a distance of 240'±.**

Option:

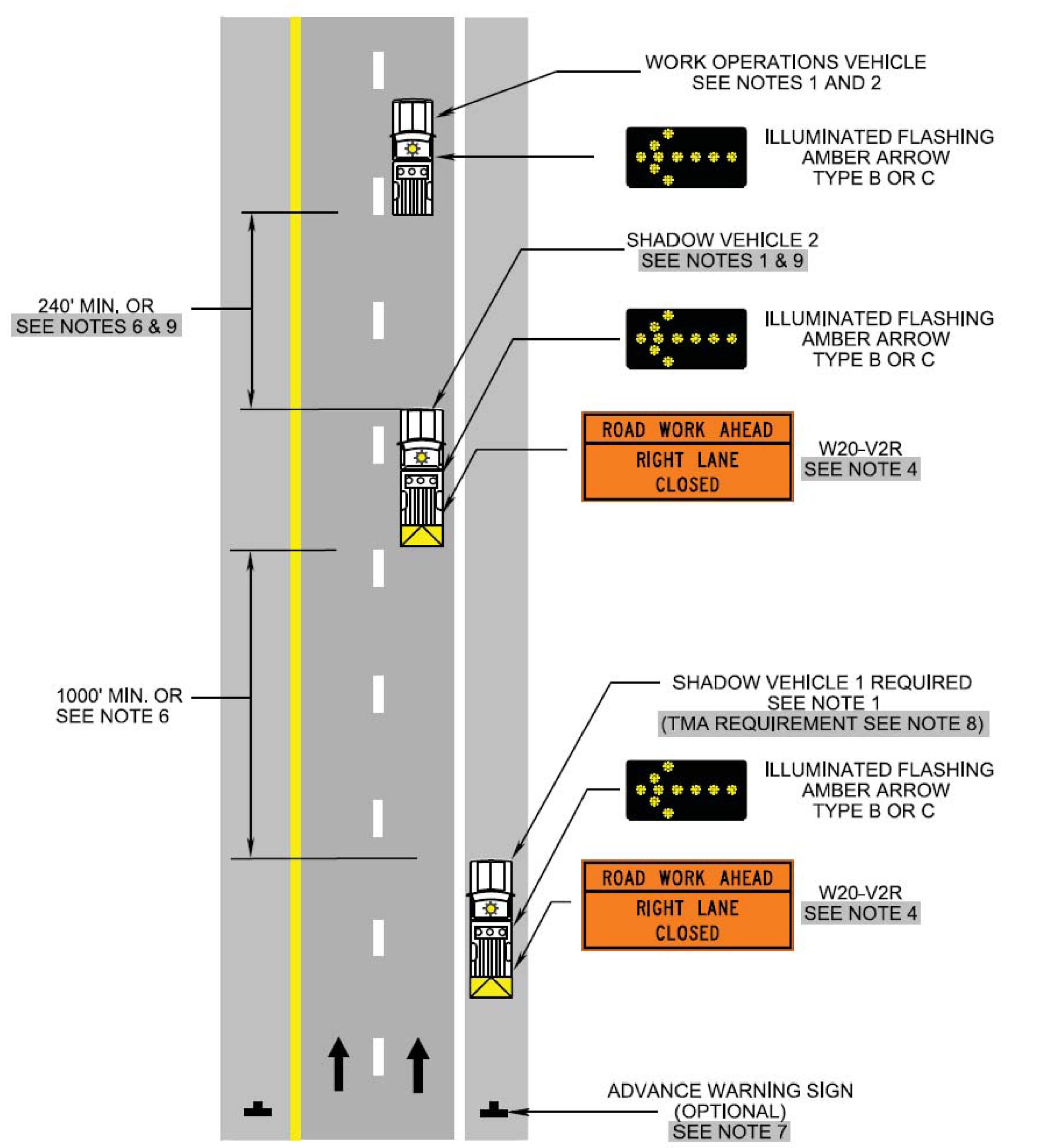
10. For inside lane closure operations, Shadow Vehicle 1 may be positioned on the right shoulder without arrow designation but displaying the caution mode.
11. When the operation is completely off the travelway, only one shadow vehicle will be required. A truck-mounted attenuator will not be required. The second line of the sign message shall be changed to "Right Shoulder" and the arrows shall be changed to the four corner caution mode.

Guidance:

12. *When using a vehicle-mounted CMS to replace the static sign and arrow board, each word message phase should be followed by the Type B arrow display.*

Moving/Mobile Operations on a Multi-Lane Roadway

(Figure TTC-13.2)



Typical Traffic Control

Outside Lane Closure Operation on a Four-Lane Roadway

(Figure TTC-16.2)

NOTES

Standard:

1. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**

Guidance:

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *When closing a lane, a PCMS should be used in advance of the first warning sign if all of the left side signs cannot be installed.[2]*
4. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. For Limited Access highways a minimum of 1000' is desired.*
5. *All vehicles, equipment, workers, and their activities should be restricted to one side of the pavement.*

Standard:

6. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L												
Speed Limit (mph)	Lane Width (Feet)				Remarks		Speed Limit (mph)	Lane Width (Feet)				Remarks
	9	10	11	12				9	10	11	12	
25	95	105	115	125	$L=S^2W/60$		50	450	500	550	600	L=SW
30	135	150	165	180	$L=S^2W/60$		55	495	550	605	660	L= SW
35	185	205	225	245	$L=S^2W/60$		60	540	600	660	720	L=SW
40	240	270	295	320	$L=S^2W/60$		65	585	650	715	780	L=SW
45	405	450	495	540	L=SW		70	630	700	770	840	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed.												
Shifting Tapers see Table 6H-2.[2]							Shoulder Taper = ⅓ L Minimum					

7. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing								
Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
	0 -35	36 +		0 -35	36 +		0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	* Construction Access	80'	120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.								

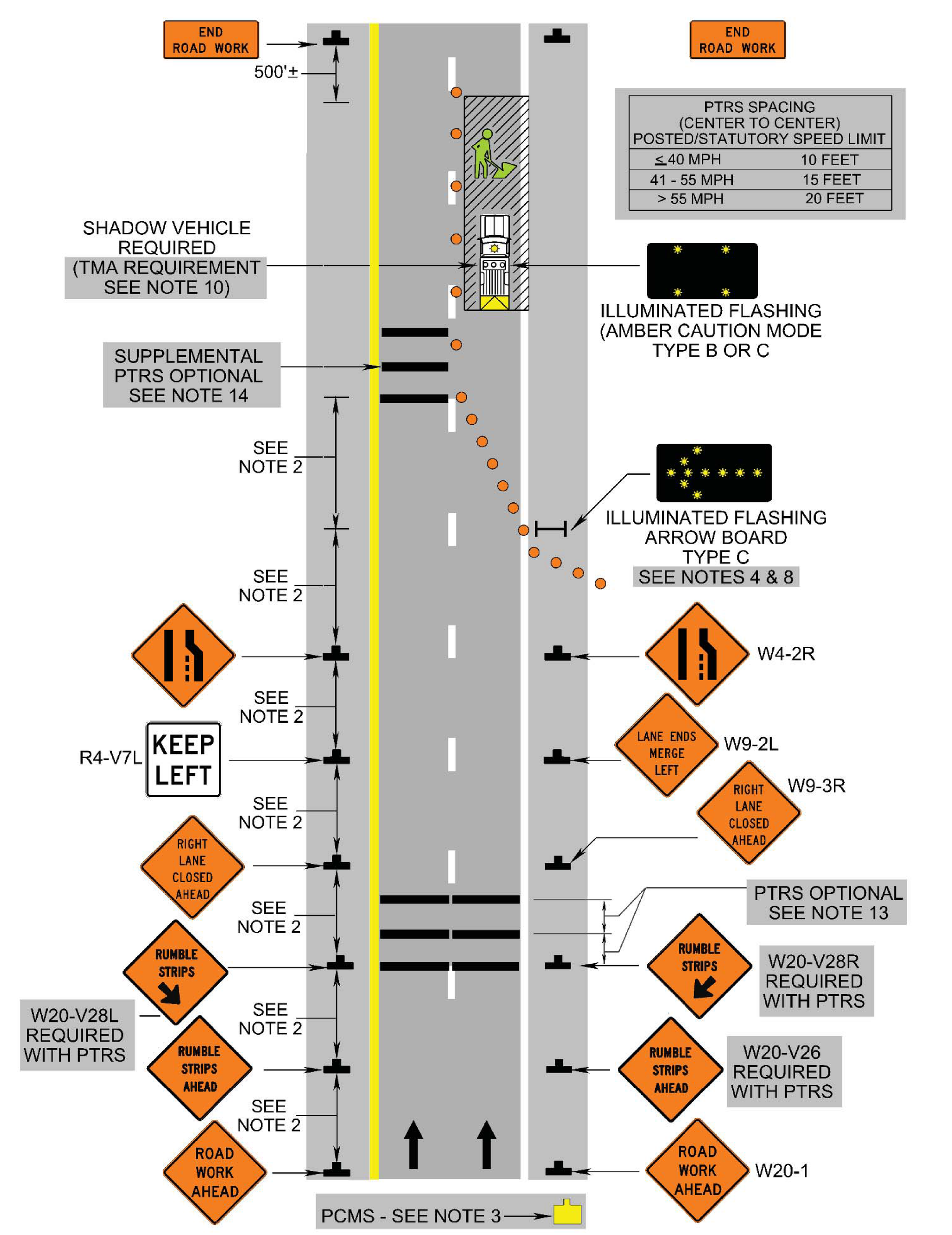
8. **An arrow board shall be used when a lane is closed. When more than one lane is closed, a separate arrow board shall be used for each closed lane (see Figure TTC-18).**
9. **The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
11. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights but can be used to supplement the amber rotating, flashing, or[1] oscillating lights.**
12. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Option:[2]

13. PTRS and their supporting signs may be used, see Sections 6F.99 and 6G.25. Long-term transverse rumble strips may be used in long-term situations, see Section 6F.99 and TTC-20.[2]
14. The supplemental PTRS may be eliminated.[2]

Outside Lane Closure Operation on a Four-Lane Roadway

(Figure TTC-16.2)



Typical Traffic Control

Inside Lane Closure Operation on a Four-Lane Roadway

(Figure TTC-17.2)

NOTES

Standard:

1. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**

Guidance:

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *When closing a lane, a PCMS should be used in advance of the first warning sign if all of the left side signs cannot be installed.[2]*
4. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. For Limited Access highways a minimum of 1000' is desired.*
5. *All vehicles, equipment, workers, and their activities should be restricted to one side of the pavement.*

Standard:

6. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L												
Speed Limit (mph)	Lane Width (Feet)				Remarks		Speed Limit (mph)	Lane Width (Feet)				Remarks
	9	10	11	12				9	10	11	12	
25	95	105	115	125	$L=S^2W/60$		50	450	500	550	600	L=SW
30	135	150	165	180	$L=S^2W/60$		55	495	550	605	660	L= SW
35	185	205	225	245	$L=S^2W/60$		60	540	600	660	720	L=SW
40	240	270	295	320	$L=S^2W/60$		65	585	650	715	780	L=SW
45	405	450	495	540	L=SW		70	630	700	770	840	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed.												
Shifting Tapers see Table 6H-2.[2]							Shoulder Taper = ⅓ L Minimum					

7. **Channelizing device spacing shall be at the following:**

Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
	0 -35	36 +		0 -35	36 +		0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.								

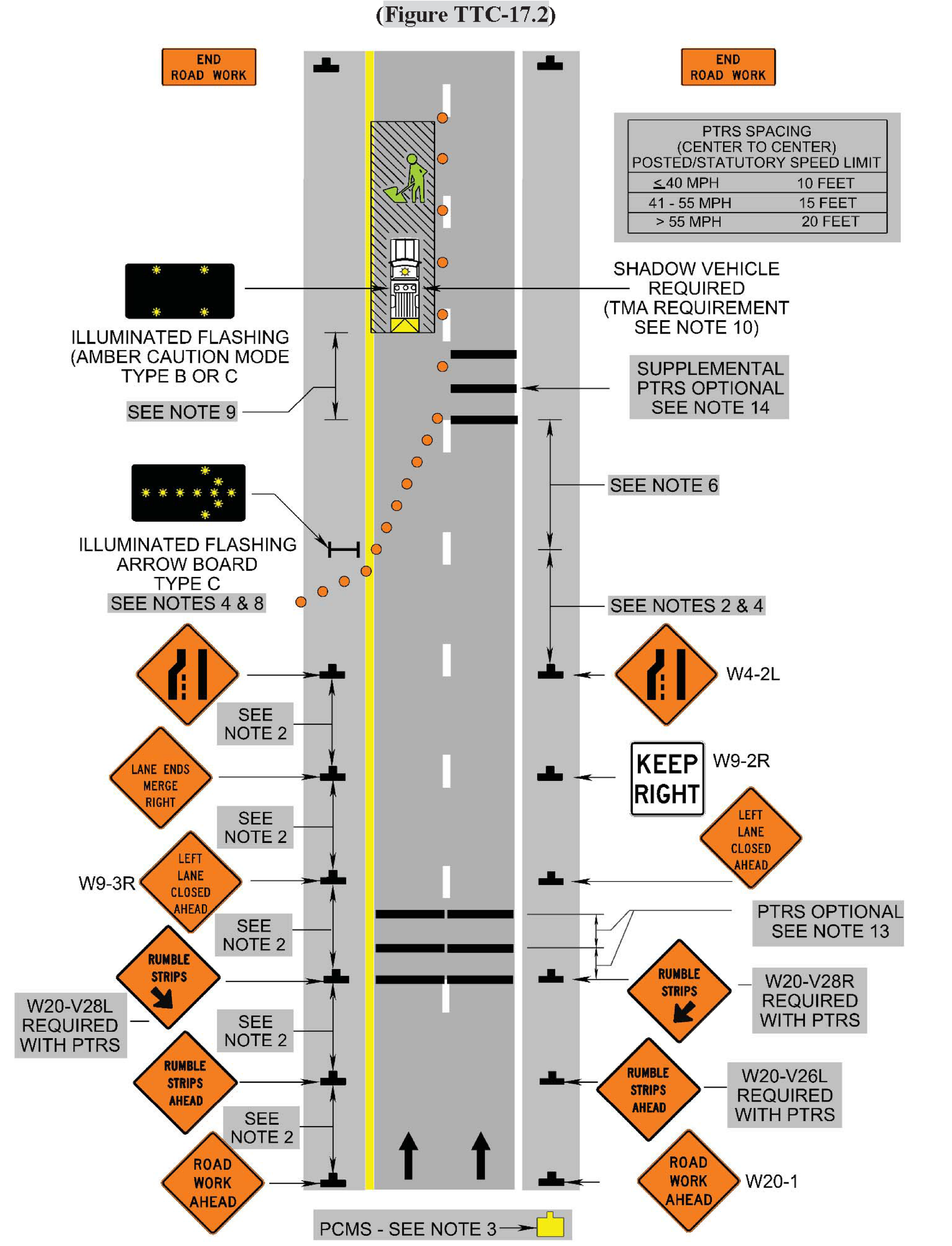
8. **An arrow board shall be used when a lane is closed. When more than one lane is closed, a separate arrow board shall be used for each closed lane (see Figure TTC-18).**
9. **The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
11. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights but can be used to supplement the amber rotating, flashing, or[1] oscillating lights.**
12. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Option:[2]

13. PTRS and their supporting signs may be used, see sections 6F.99 and 6G.25. Long-term transverse rumble strips may be used in long-term situations, see Section 6F.99 and TTC-20.[2]
14. The supplemental PTRS may be eliminated.

Inside Lane Closure Operation on a Four-Lane Roadway

(Figure TTC-17.2)



Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	111(2)
PWC PROJECT SPR2019-00101	

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC VWAPM TTC Details

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1i(3)

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

Typical Traffic Control

Lane Closure on a Two-Lane Roadway Using Flaggers

(Figure TTC-23.2)

NOTES

Guidance:

1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, and 500'-800' where the posted speed limit is greater than 45 mph.*
2. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the flagger station and transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. Generally speaking, motorists should have a clear line of sight from the graphic flagger symbol sign to the flagger.*
3. *To maintain efficient traffic flow in a flagging operation on a two-lane roadway, the maximum time motorists should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.[2]*

Standard:

4. **Portable Temporary Rumle Strips (PTRS) shall be used as noted in Section 6F.99.**
5. **Flagging stations shall be located far enough in advance of the work space to permit approaching traffic to reduce speed and/or stop before passing the work space and allow sufficient distance for departing traffic in the left lane to return to the right lane before reaching opposing traffic (see Table 6H-3 on Page 6H-5).**
6. **All flaggers shall be state certified and have their certification card in their possession when performing flagging duties (see Section 6E.01, Qualifications for Flaggers).**
7. **Cone spacing shall be based on the posted speed and the values in Table 6H-4 on Page 6H-6.[1]**
8. **A shadow vehicle with at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew.**

Option:

8. A SLOW (W21-V10) sign[2] may be required in this area to give advance warning of the operation ahead by slowing approaching traffic prior to reaching the flagger station or queued traffic.

Guidance:

9. *If the queue of traffic reaches the BE PREPARED TO STOP (W3-4) sign then the signs, and if used the* PTRS[1] *should be readjusted at greater distances.*
10. *When a highway-rail crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the highway-rail grade crossing, the temporary traffic control zone should be extended so that the transition area precedes the highway-rail crossing (see Figure TTC-56 for additional information on highway-rail crossings).*

Standard:

11. **At night, flagger stations shall be illuminated, except in emergencies (see Section 6E.08).**

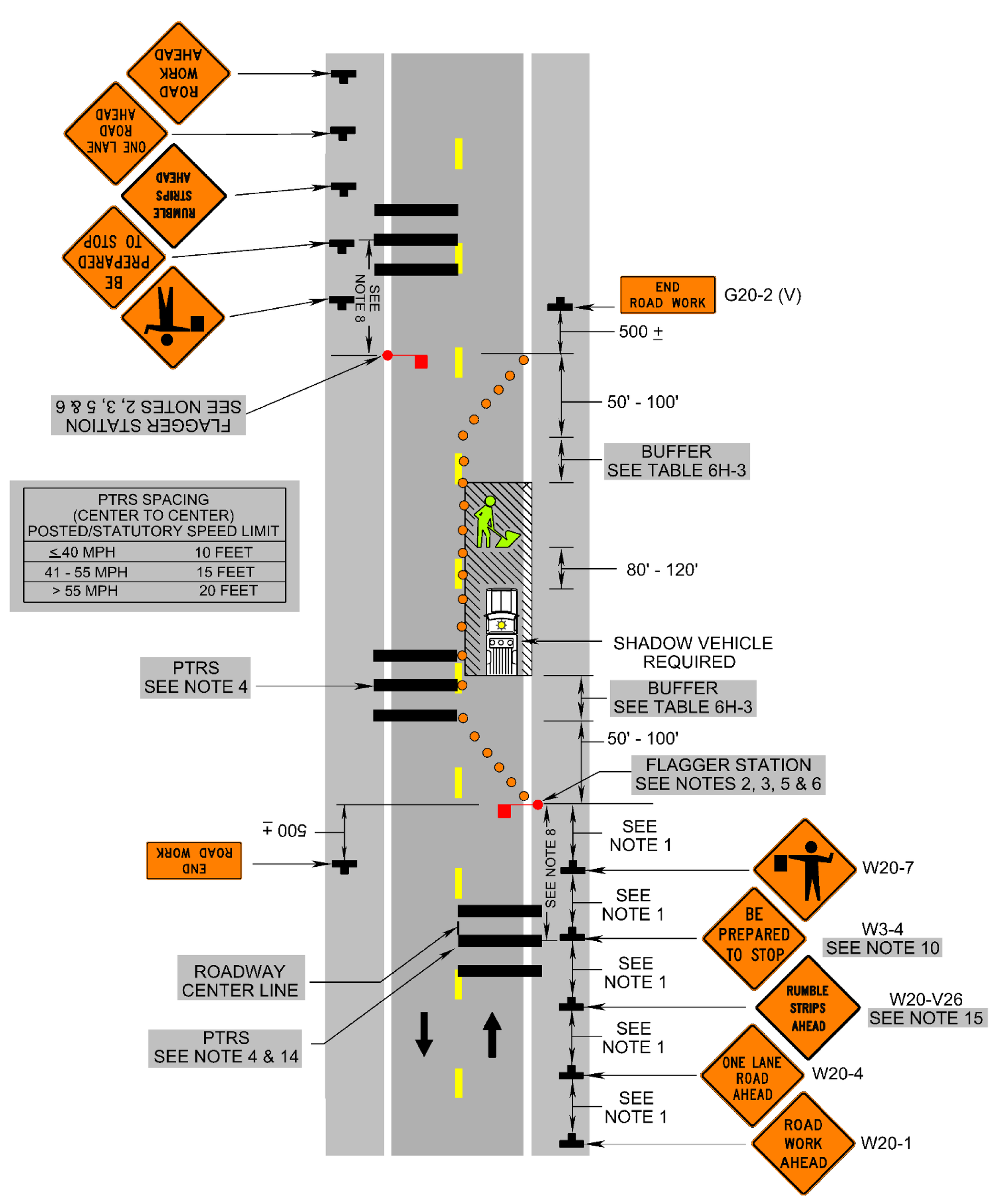
Option:

12. Cones may be eliminated when using a pilot vehicle operation or when the total roadway width is 20 feet or less.
13. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).

Standard:[1]

14. **When used[2], three portable temporary rumble (PTRS) strips shall be installed across the entire travel lane adjacent to the BE PREPARED TO STOP (W3-4) sign. The portable temporary rumble strips shall be monitored and adjusted as necessary during the work shift to ensure proper placement on the roadway. When the PTRS are installed, the RUMBLE STRIPS AHEAD (W20-V26) sign shall also be utilized.**

Lane Closure on a Two-Lane Roadway Using Flaggers
(Figure TTC-23.2)



Typical Traffic Control

Lane Closure Operation – Far Side of an Intersection

(Figure TTC-27.2)

NOTES

Guidance:

1. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.*

Standard:

2. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
3. **Taper length (L) shall be at the following:**

Taper Length L											
Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	$L=S^2W/60$	50	450	500	550	600	L=SW
30	135	150	165	180	$L=S^2W/60$	55	495	550	605	660	L= SW
35	185	205	225	245	$L=S^2W/60$	60	540	600	660	720	L=SW
40	240	270	295	320	$L=S^2W/60$	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW
Shifting Tapers - full lane width shifts on Limited Access Highways shall use a 750' shifting taper for posted speeds less than 65 mph and a 1000' shifting taper for posted speeds equal to or greater than 65 mph. For all other roadways ¾ L should be used.[2]											
Shoulder Taper = ⅓ L Minimum											

4. **Channelizing device spacing shall be at the following:**

Channelizing Device Spacing								
Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'
*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.								

Guidance:

5. *If room permits, a shadow vehicle with at least one amber[1] rotating, oscillating, or high intensity flashing[1] light should be parked 80'-120' in advance of the first work crew.*

Standard:

6. **If the posted speed limit is 45 mph or greater, the shadow vehicle shall have a truck-mounted attenuator.**
7. **For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or high intensity amber flashing or oscillating[1] lights mounted on the vehicle and visible for 360° shall be required in addition to the channelizing devices shown around the vehicle. Also, vehicle hazard warning signals shall be used.**

Guidance:

8. *If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.*

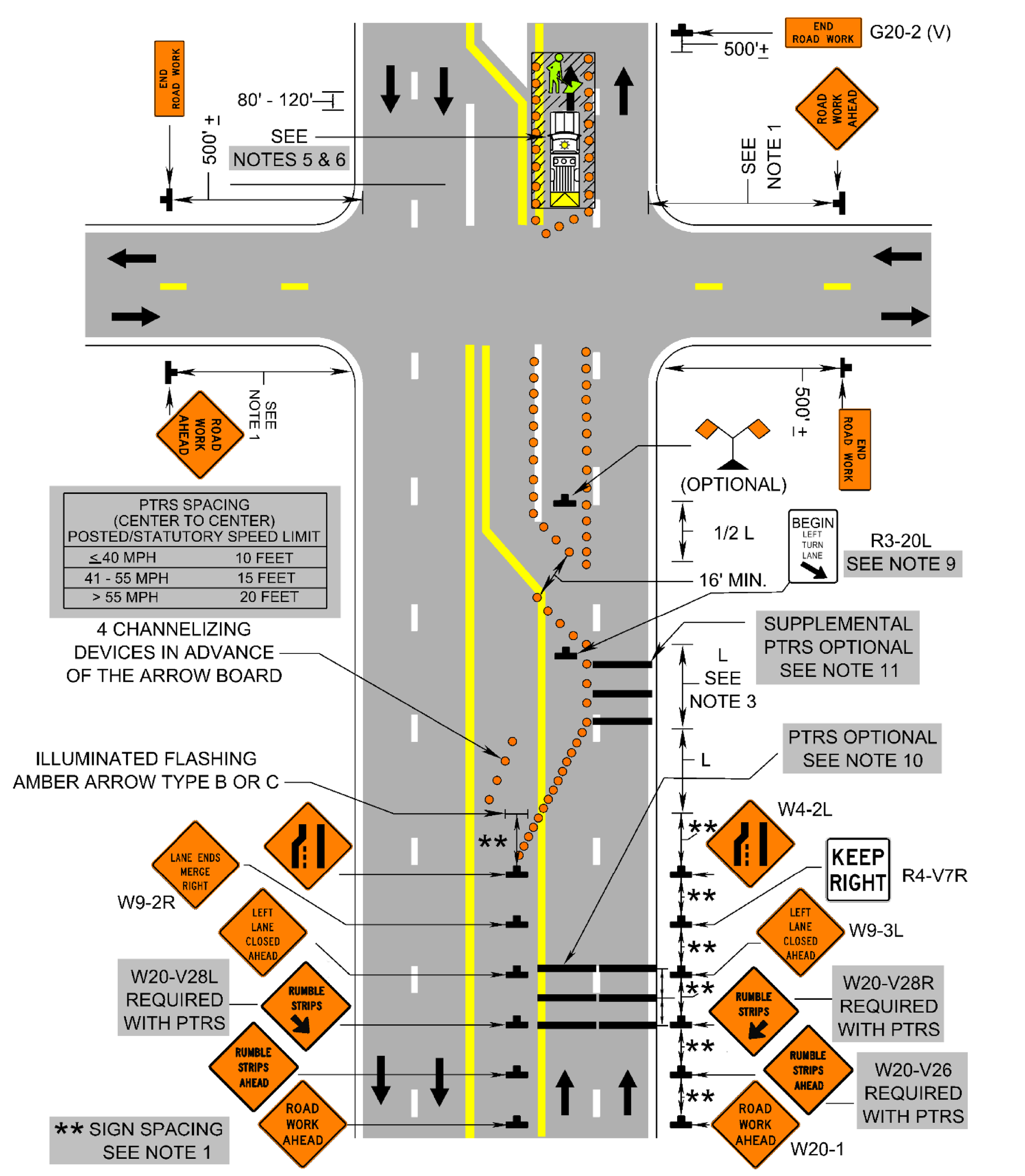
Standard:

9. **If the left turn lane is closed a NO LEFT TURN (Symbol) (R3-2) shall be used.[1]**

Option:[2]

10. PTRS may be used as shown in Figure TTC-17 and in accordances with Section 6F-99.[2]
11. The supplemental PTRS may be eliminated.[2]

Lane Closure Operation - Far Side of an Intersection
(Figure TTC-27.2)



Typical Traffic Control

Lane Closure Operation in an Intersection

(Figure TTC-28.2)

NOTES

Guidance:

1. *The control of traffic through the intersection in order of preference should be:*
   a. *Obtain the services of law enforcement personnel.*
   b. *Detour the effective routes to other roads and streets as approved and directed by the District[2] Traffic Engineer.*
   c. *Place a state certified flagger on each leg of the intersection controlling a single lane of traffic.*

   Appropriate signing as shown should be used for law enforcement and flagging operations. For detour signs see Figure TTC-34.
2. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.*
3. *To maintain efficient traffic flow in a flagging operation on a two-lane roadway the maximum time motorist should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.[2]*

Standard:

4. **Channelizing device spacing shall be on 20' centers or less.**
5. **PTRS shall be used as noted in Section 6F.99.**

Guidance:

6. *If room permits, a shadow vehicle with at least one rotating amber light or high intensity amber flashing or oscilllating[1] light should be parked 80'-120' in advance of the first work crew.*

Standard:

7. **For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or high intensity amber flashing or oscillating[1] lights mounted on the vehicle and visible for 360° shall be required in addition to the channelizing devices shown around the vehicle. Also, vehicle hazard warning signals shall be used.**

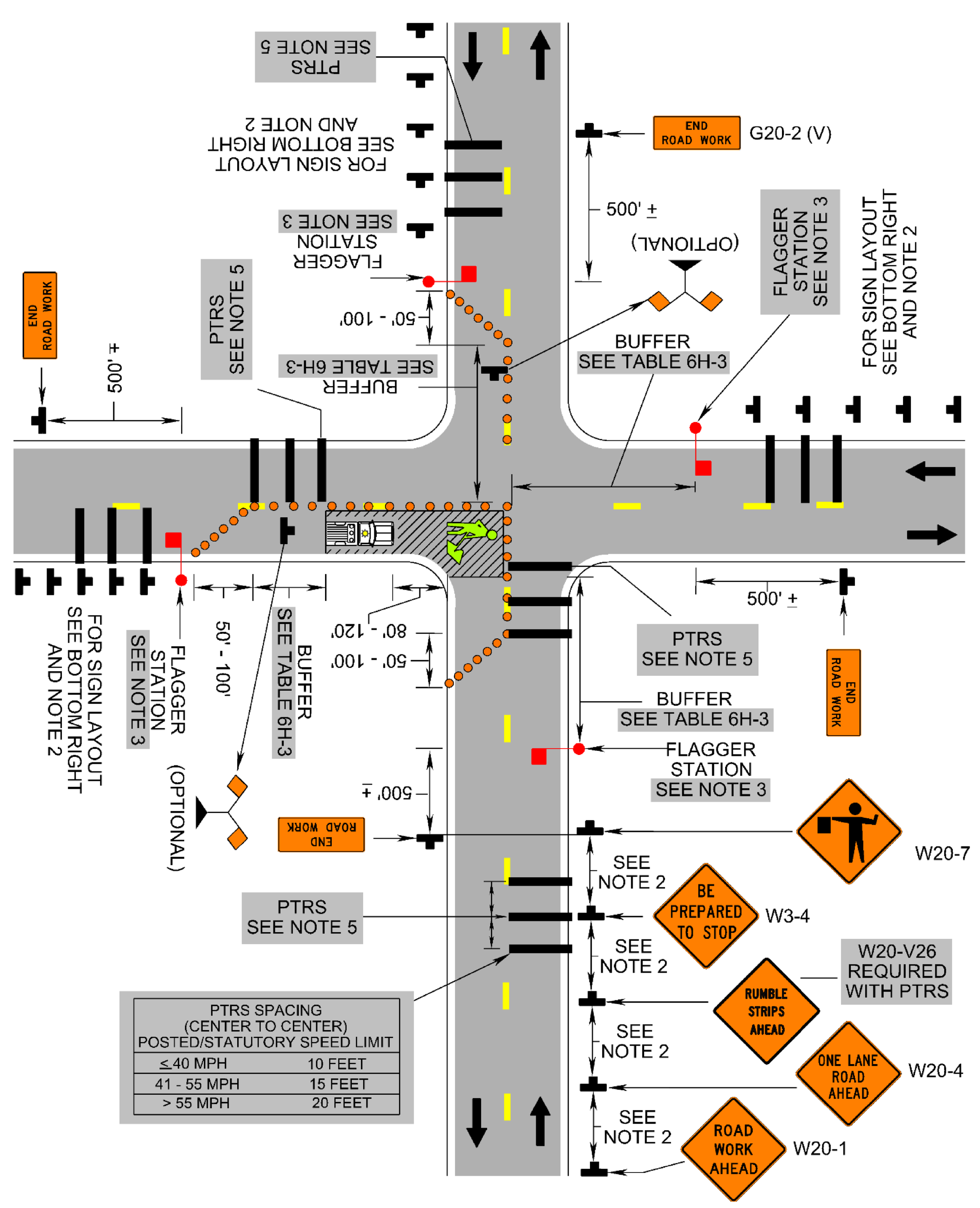
Guidance:

8. *If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.*

Support:

9. Turns can be prohibited as required by vehicular traffic conditions. Unless the streets are wide, it might be physically impossible to make certain turns, especially for large vehicles.

Lane Closure Operation in an Intersection
(Figure TTC-28.2)



Design Associates, P.C.

NOVA DISTRICT DESIGN UNIT

	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 1i(3)

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC VWAPM TTC Details

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	11(4)

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

Typical Traffic Control
Multi-Lane Shift Operation
(Figure TTC-40.2)

NOTES

Guidance:

1. *The lane shift should be used when the work area extends into either the right or left lane of a divided highway and it is not practical, for capacity reasons, to reduce the number of available lanes.*
2. *Sign spacing distance should be 1300'-1500' for Limited Access highways, and on all other roadways 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *If the STAY IN LANE (R4-9) sign is used, then solid 4 inch wide minimum white lines should be used.*

Standard:

4. **On divided highways having a median wider than 8', right and left sign assemblies shall be required.**
5. **Shoulder and shifting taper lengths shall be as shown in Table 6H-25 Page 6H-5.[2]**
6. **Taper length (L) shall be at the following:**

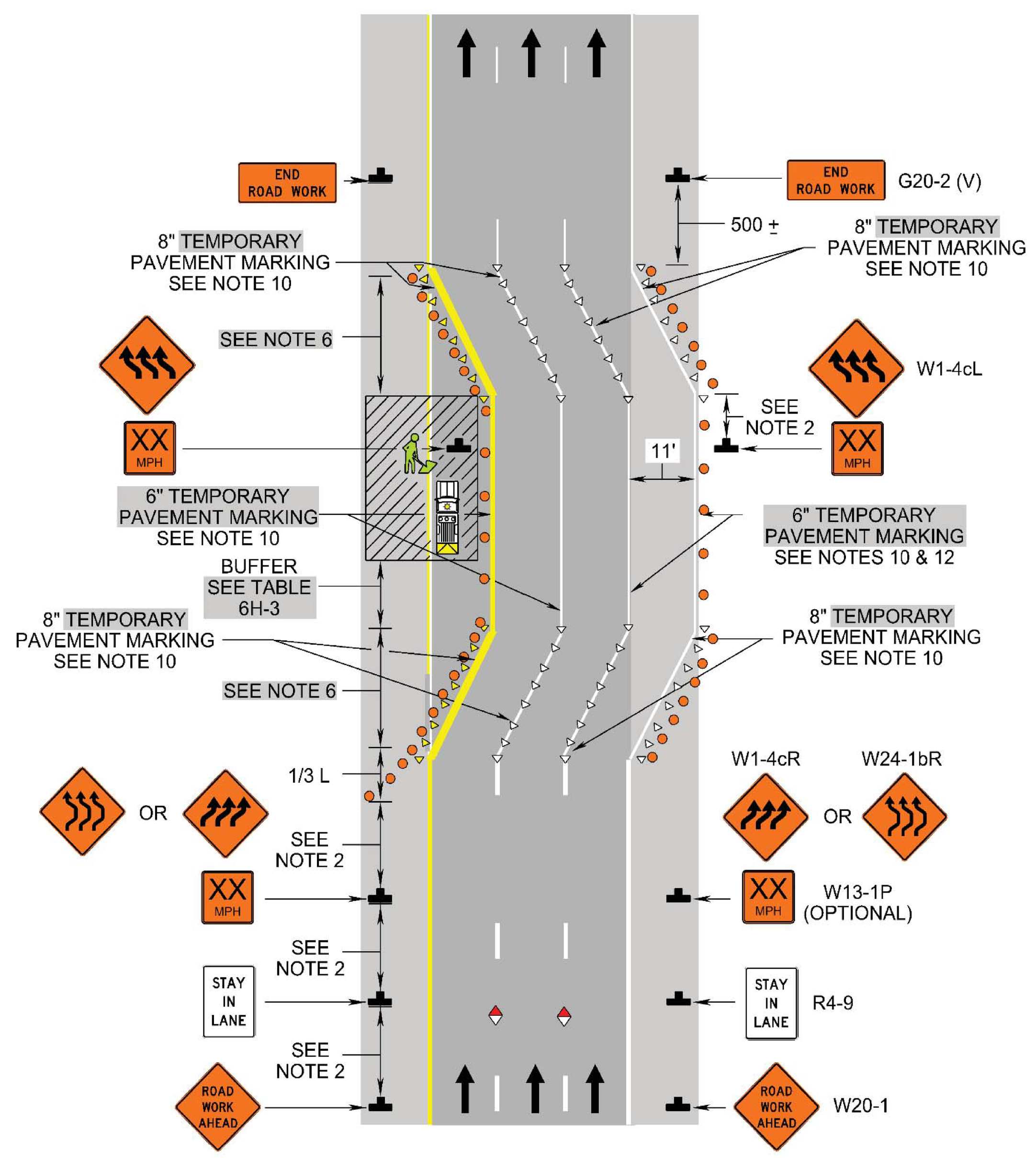
Taper Length L											
Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	$L=S^2W/60$	50	450	500	550	600	L=SW
30	135	150	165	180	$L=S^2W/60$	55	495	550	605	660	L= SW
35	185	205	225	245	$L=S^2W/60$	60	540	600	660	720	L=SW
40	240	270	295	320	$L=S^2W/60$	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW
Shifting Tapers - full lane width shifts on Limited Access Highways shall use a 750' shifting taper for posted speeds less than 65 mph and a 1000' shifting taper for posted speeds equal to or greater than 65 mph. For all other roadways ¾ L should be used.[2]											
Shoulder Taper = ⅓ L Minimum											

7. **The minimum width of the shoulder lane shall be 11'.**
8. **The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
9. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, oscillating, or flashing[1] light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
10. **For long-term work zones existing conflicting pavement markings and markers shall be removed and temporary pavement markings and markers shall be installed per Figure TTC-60.**

Option:

11. For short-term stationary work (less than 3 days duration), lanes may be delineated by channelizing devices or removable pavement markings instead of temporary pavement markings.
12. Temporary pavement markers, on a 40' center to center spacing, may be added to the tangent section between lane shifts as directed by the engineer.
13. Lane shift (W1-4 series) signs may be eliminated when geometric conditions straighten a curve or when full L is used.[2]

Multi-Lane Shift Operation
(Figure TTC-40.2)



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	11(4)

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

Rinker Design Associates, P.C.

LANE
NOVA DISTRICT DESIGN UNIT

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(1)

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

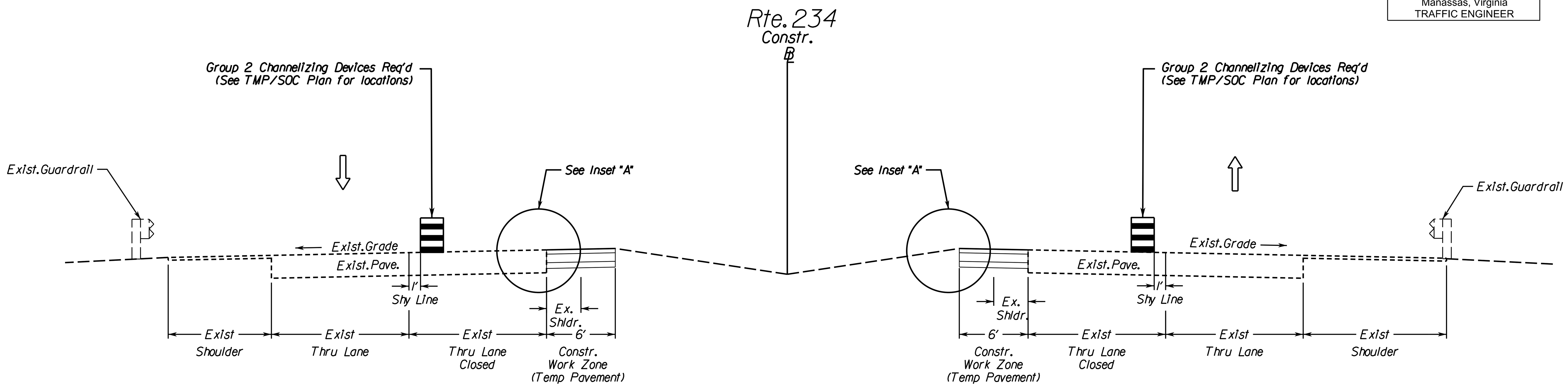
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE I TYPICALS

Phase I: Shoulder Strengthening

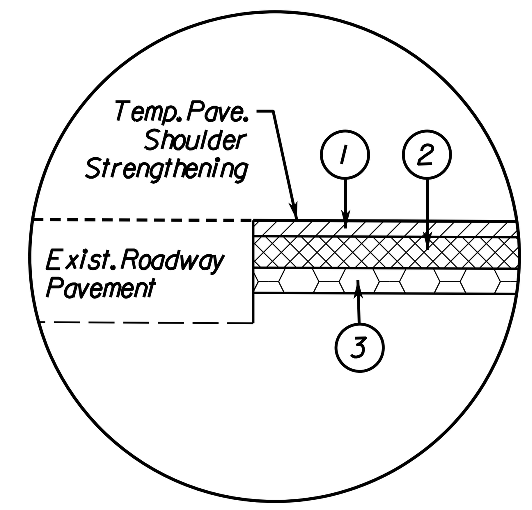
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	200+00		214+00
	228+00		230+79

Inset "A"

(Not to Scale)

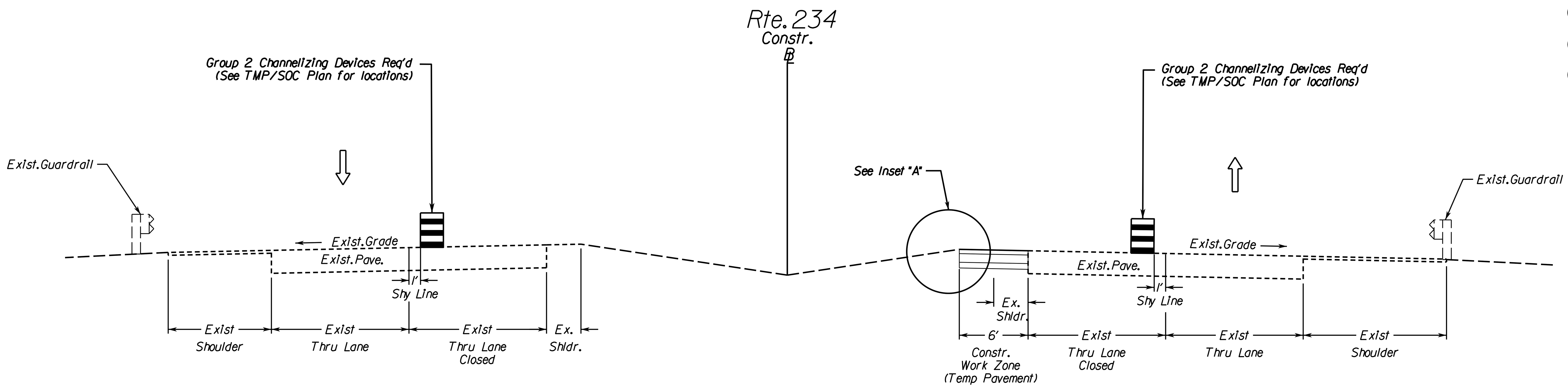


INSET DESIGN LEGEND

1. Surface - (2.0") Asph. Conc., Type IM-19.0A.
2. Base Course - (4.0") Asph. Conc., BM-25.0A.
3. Subbase - (3.5") Aggr. Base Matl., Type I, Size No. 21B

Phase I: Shoulder Strengthening

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	214+00		218+50

Rinker Design Associates, P.C.
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Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(2)

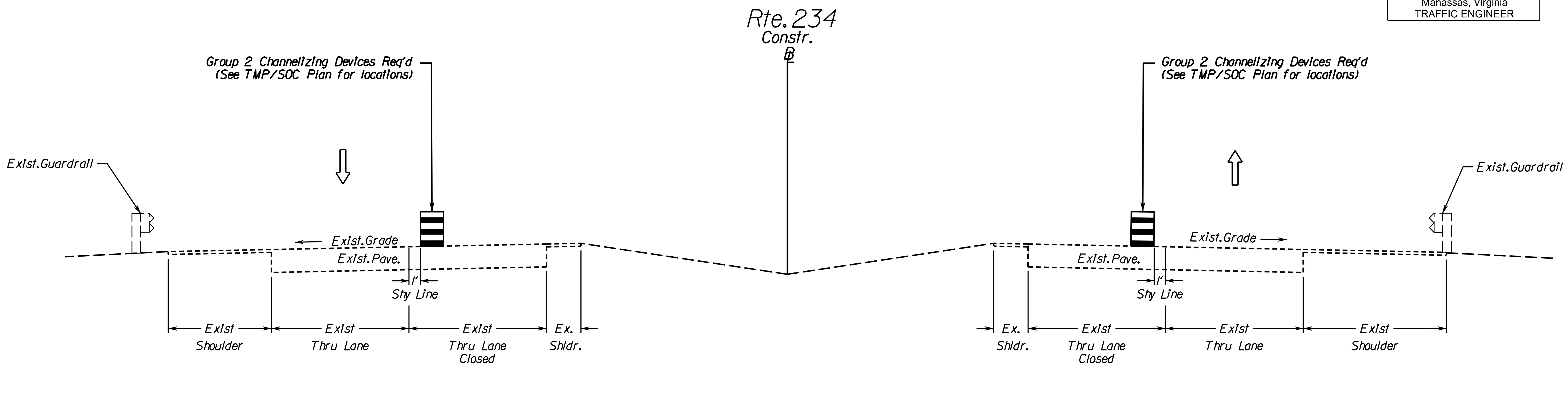
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

TMP/SOC PHASE I TYPICALS

Phase I: Shoulder Strengthening

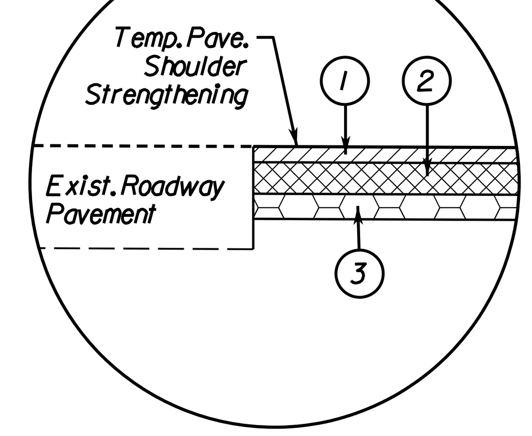
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	218+50		226+50

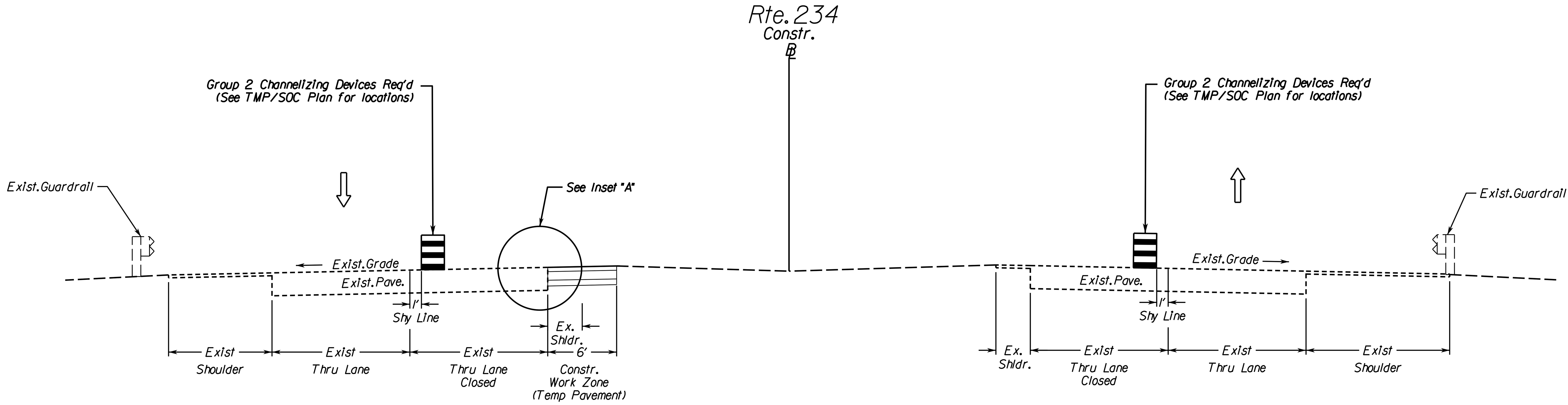
Inset "A"

(Not to Scale)



Phase I: Shoulder Strengthening

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	226+50		228+00

INSET DESIGN LEGEND

1. Surface - (2.0") Asph. Conc., Type IM-19.0A.
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NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1J(2)

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(3)

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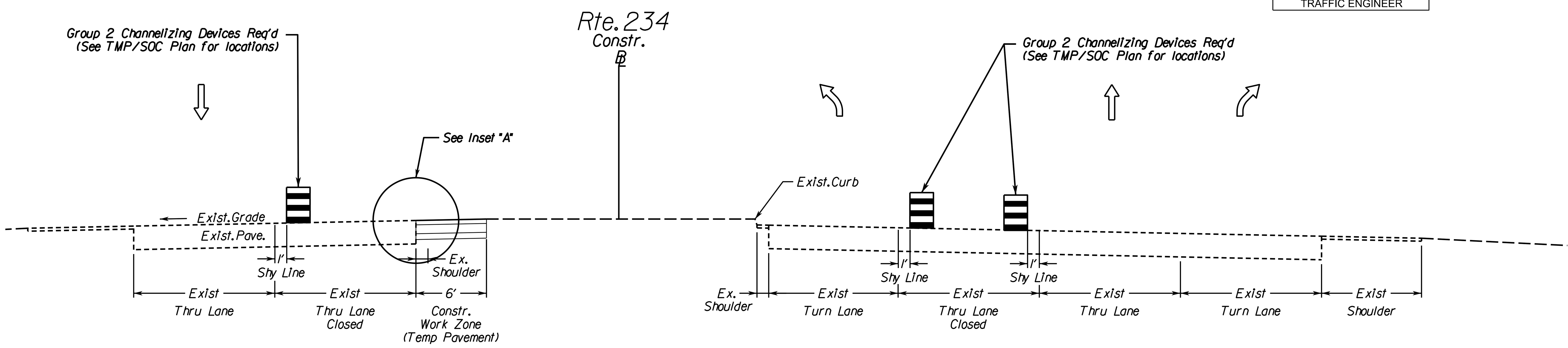
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

TMP/SOC PHASE I TYPICALS

Phase I: Shoulder Strengthening

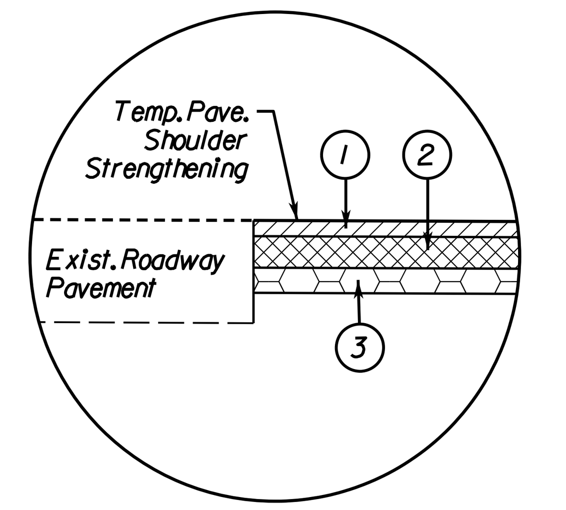
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	233+66		235+61

Inset "A"

(Not to Scale)



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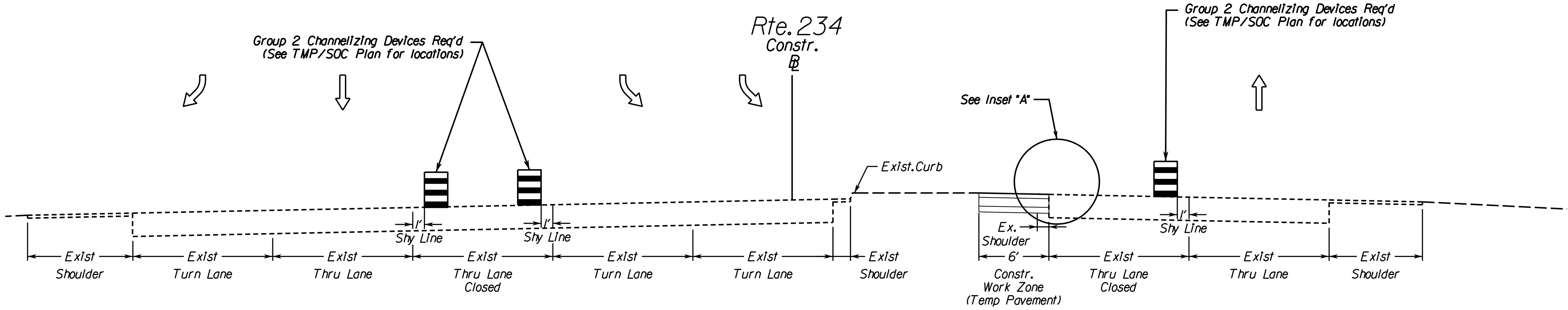
Phase I: Shoulder Strengthening

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	238+00		240+39

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Transportation - Environmental
Right of Way Services

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NOVA DISTRICT DESIGN UNIT

	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 1J(3)

PH PLAN

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TMP/SOC PHASE I TYPICALS

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(4)

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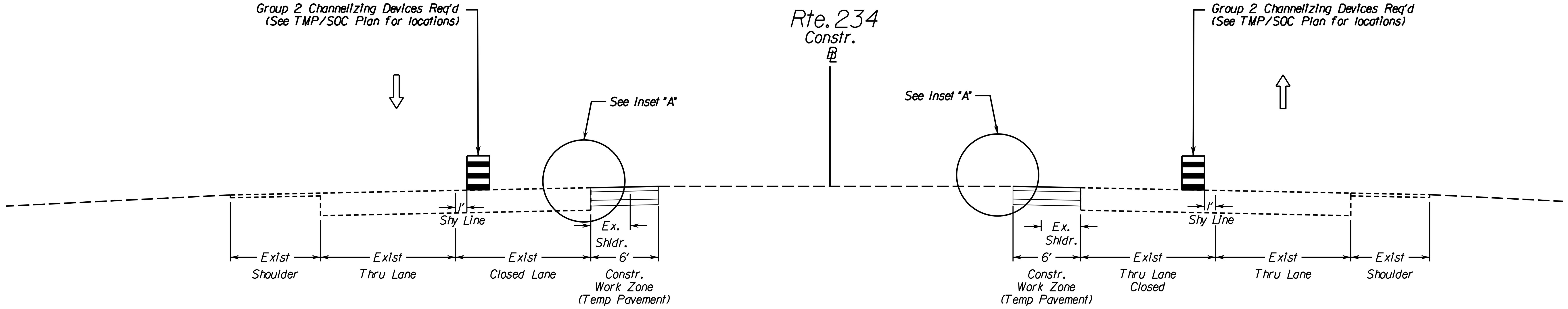
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

Phase I: Shoulder Strengthening

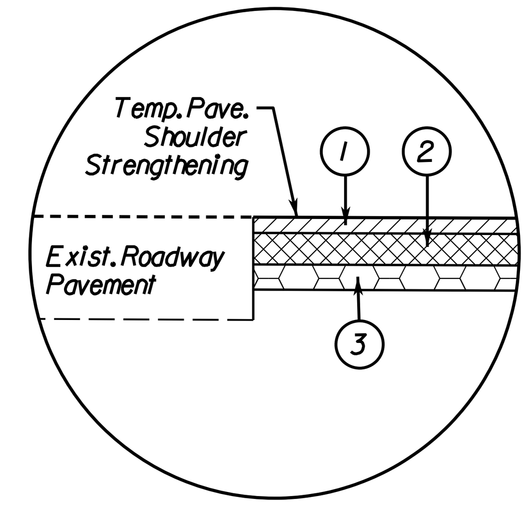
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	242+68		253+71

Inset "A"

(Not to Scale)



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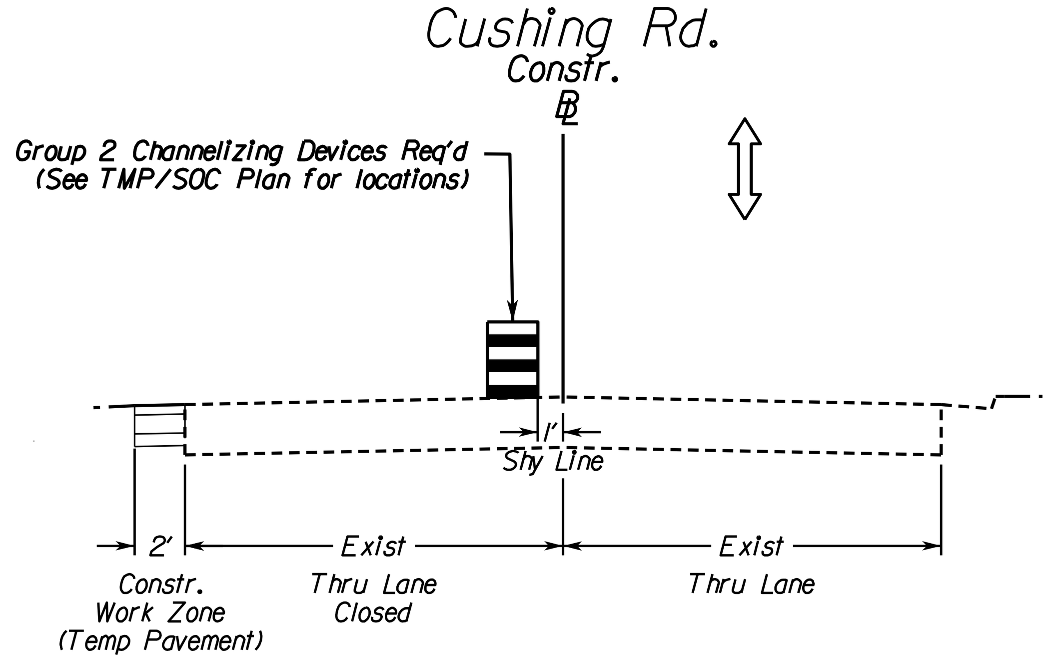
Phase I: Shoulder Strengthening

(Not to Scale)



LOCATION	STATION	TO	STATION
Cushing Road	Existing		Existing

Note: Construction to be performed under TTC-23.2 (Flagger Service).

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Office Locations

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NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1J(4)

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(5)

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Manassas, Virginia
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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE I

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1J(5)

Rinker Design Associates, P.C.

NOVA DISTRICT DESIGN UNIT

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TMP/SOC PHASE I

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IJ(6)

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

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

Rinker Design Associates, P.C.
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Right of Way Services

Office Locations

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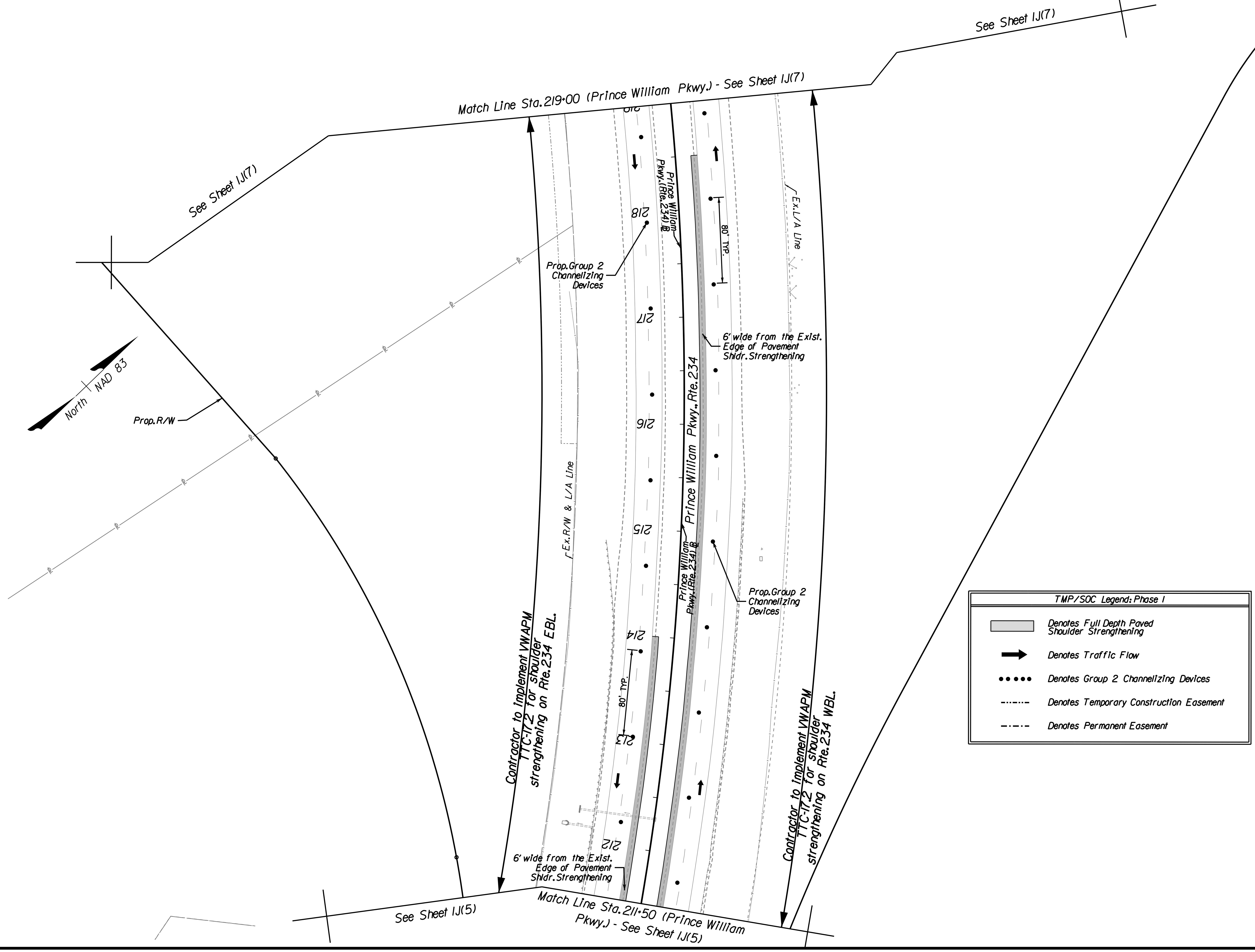
NOVA DISTRICT DESIGN UNIT



SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	IJ(6)

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TMP/SOC PHASE I

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IJ(7)

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

Rinker Design Associates, P.C.
Office Locations

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NOVA DISTRICT DESIGN UNIT

SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	IJ(7)

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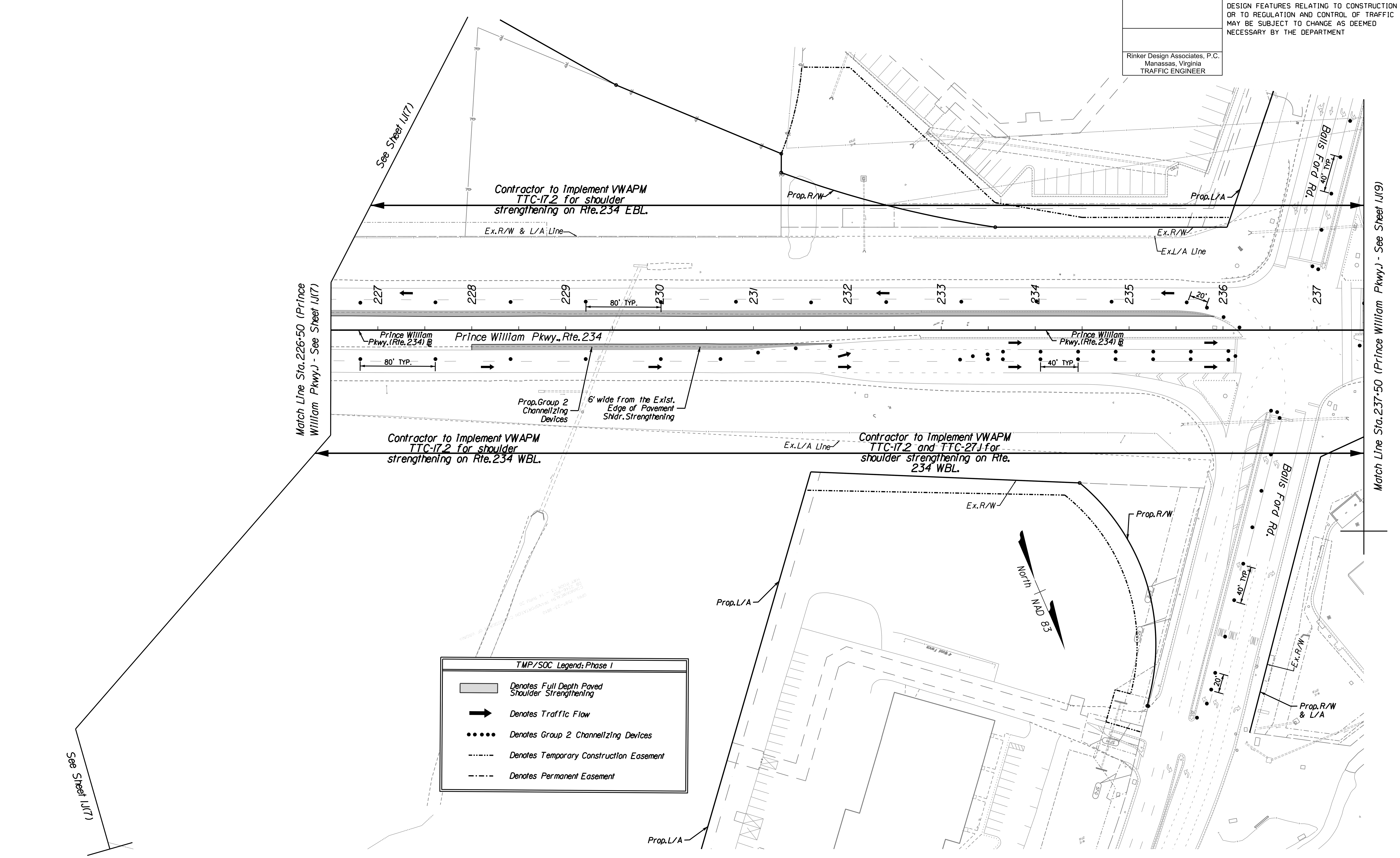
TMP/SOC PHASE I

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(8)

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

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



SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 1J(8)

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(9)

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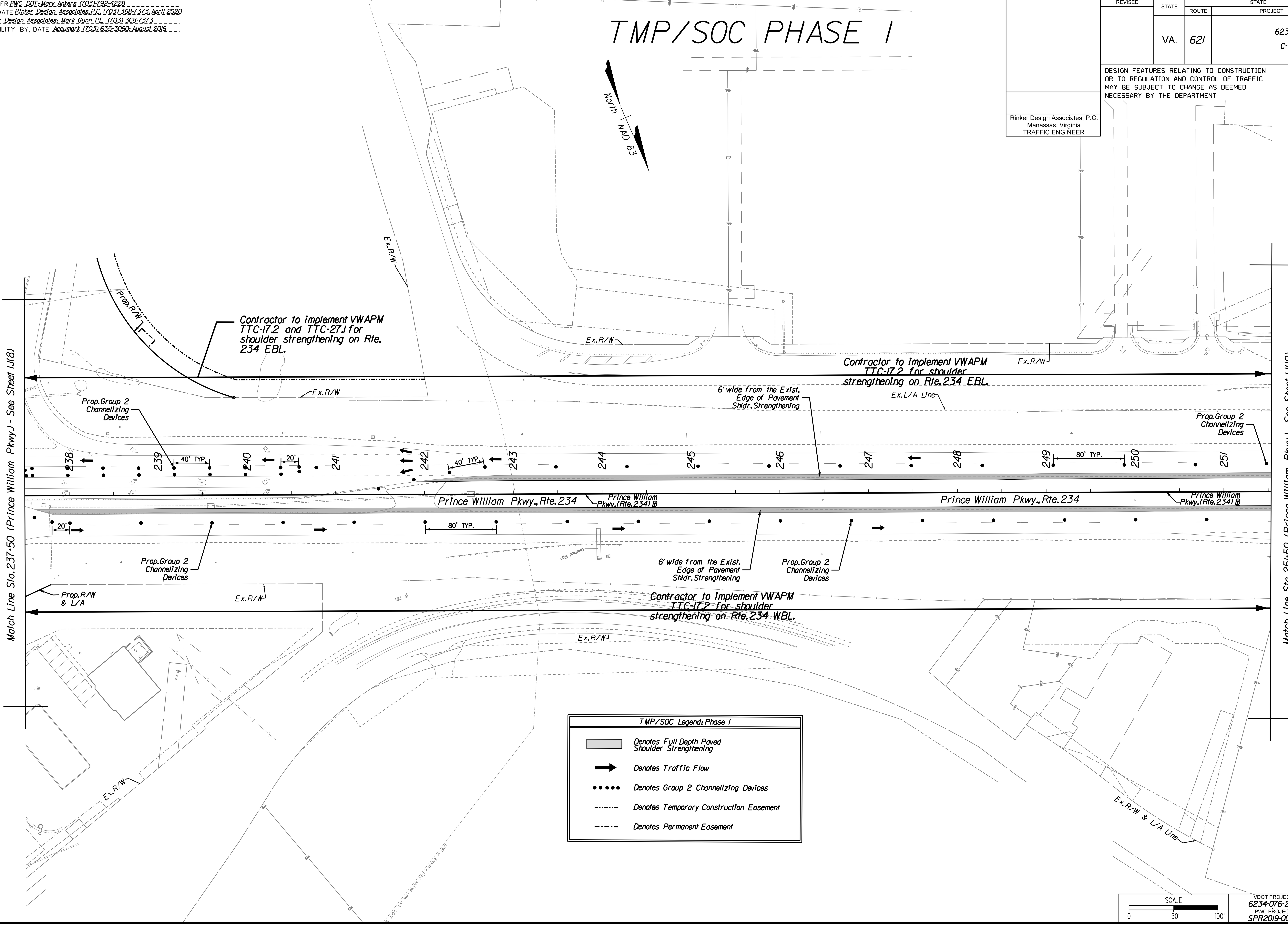
TMP/SOC PHASE I



SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	1J(9)

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TMP/SOC PHASE I

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(10)

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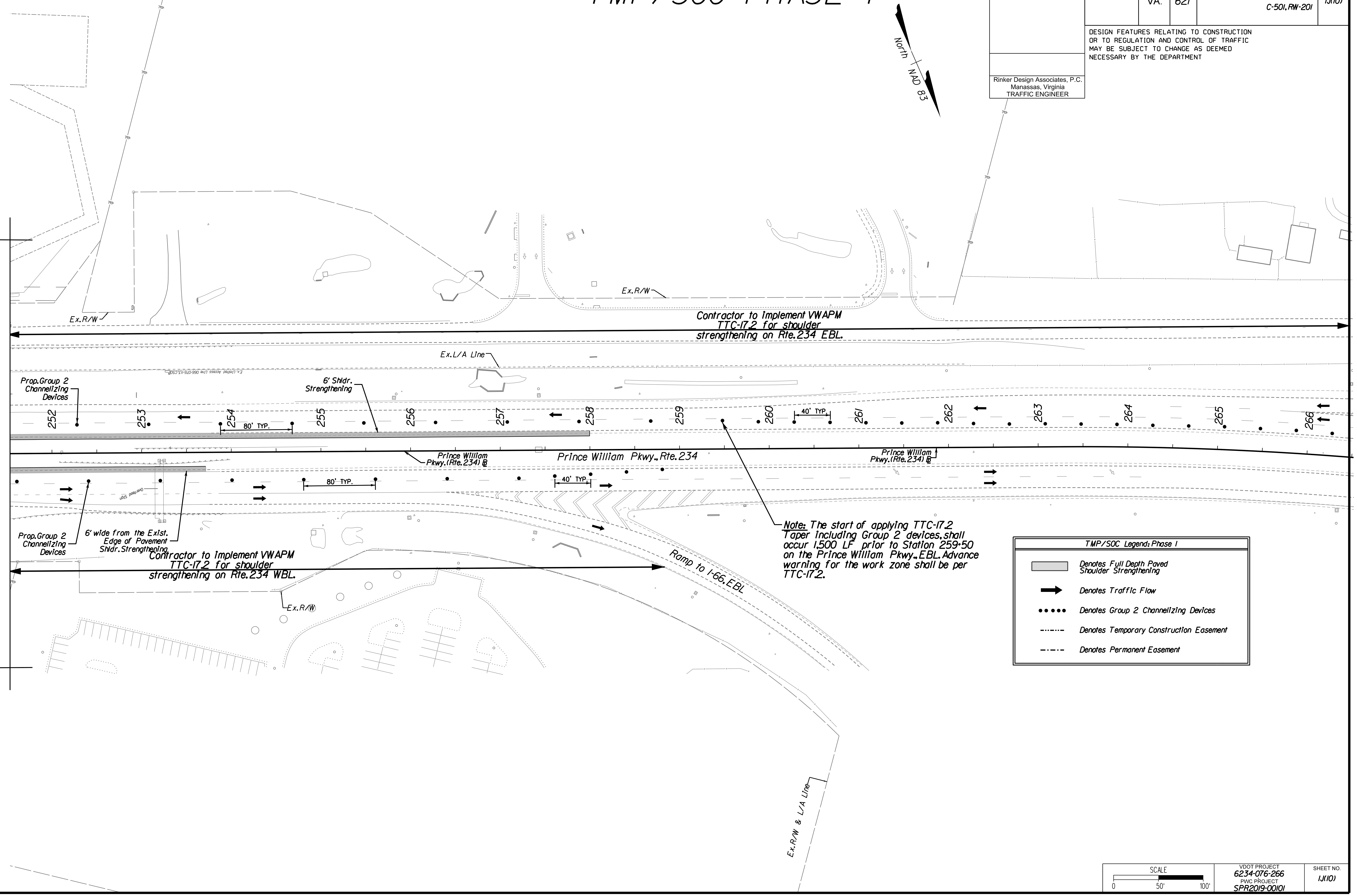

Rinker Design Associates, P.C.
Office Locations

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VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1J(10)

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TMP/SOC PHASE I

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(11)

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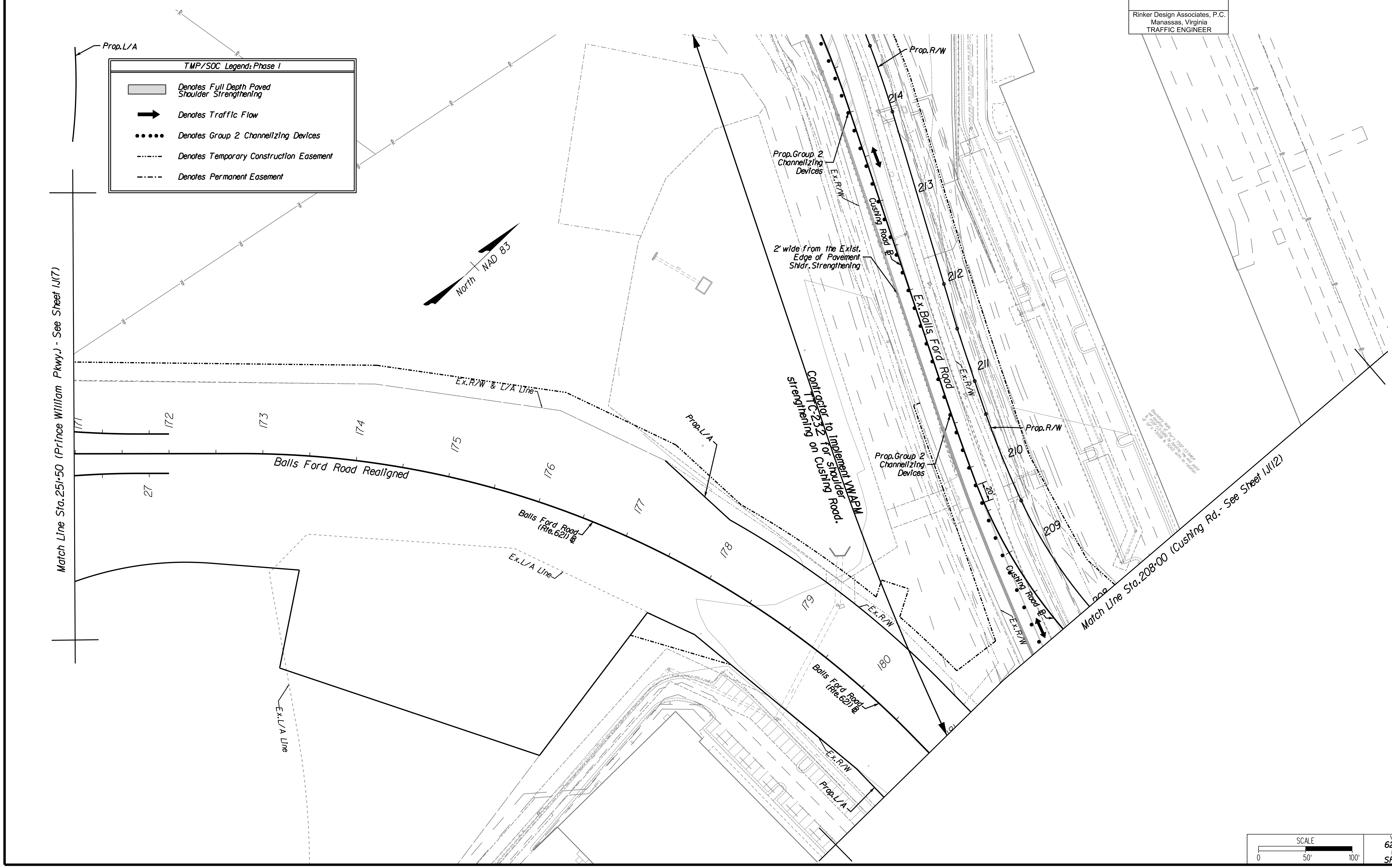

SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	1J(11)

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1J(12)

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TMP/SOC PHASE I

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1J(12)

Rinker Design Associates, P.C.

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TMP/SOC PHASE 2 TYPICALS

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(1)

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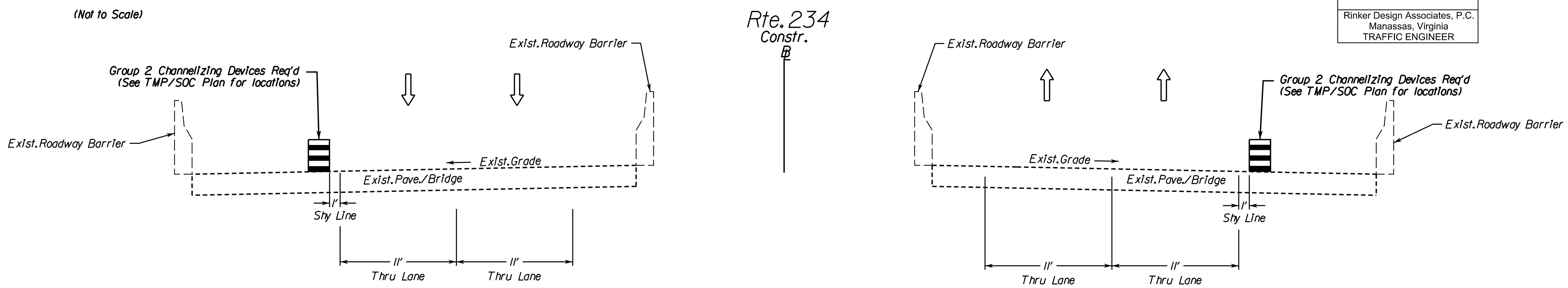
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

Phase 2: Construction

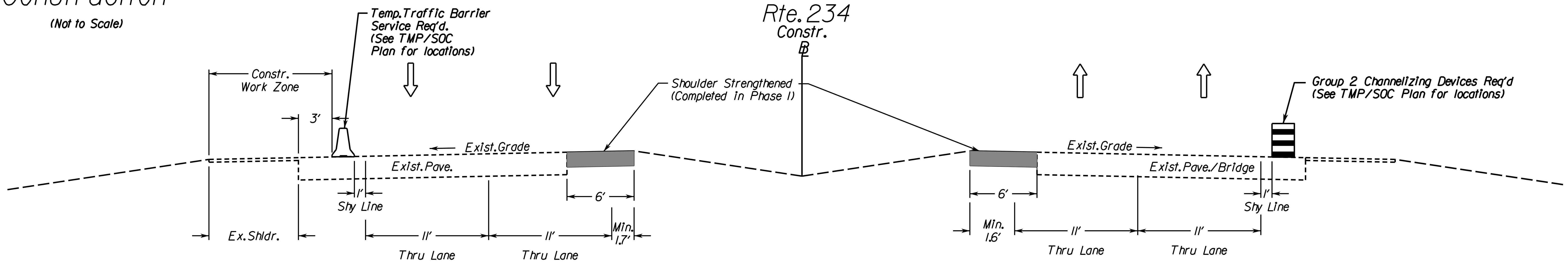
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	196+77		200+00

Phase 2: Construction

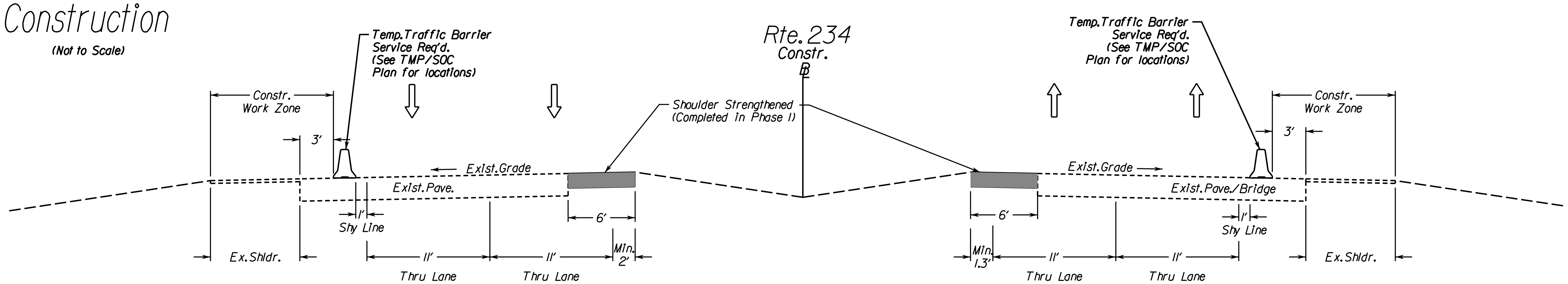
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	200+00		202+27

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	202+27		211+50
	243+05		250+41

VDOT PROJECT	SHEET NO.
6234-076-266	1K(1)
PWC PROJECT SPR2019-00101	

NOVA DISTRICT DESIGN UNIT

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	VA.	621	6234-076-266, C-501, RW-201	1K(2)

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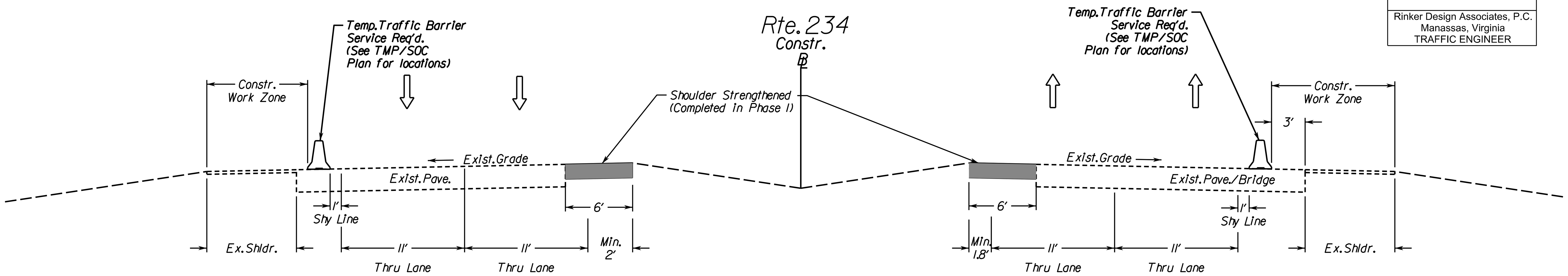
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 2 TYPICALS

Phase 2: Construction

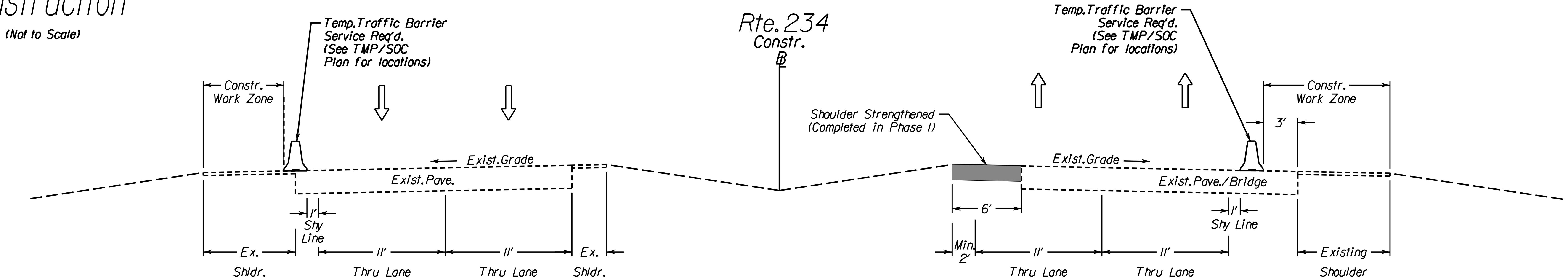
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	211+50		214+00

Phase 2: Construction

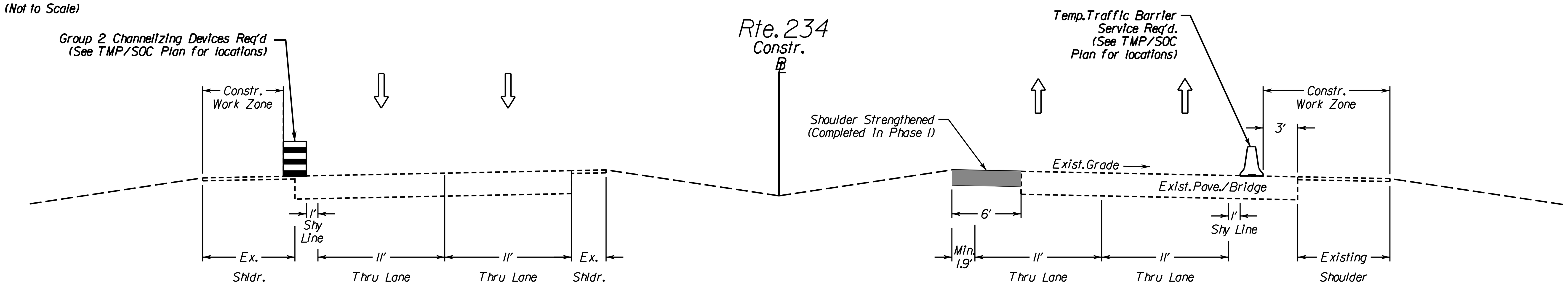
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	214+00		215+00

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	215+00		216+00

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1K(2)

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(3)

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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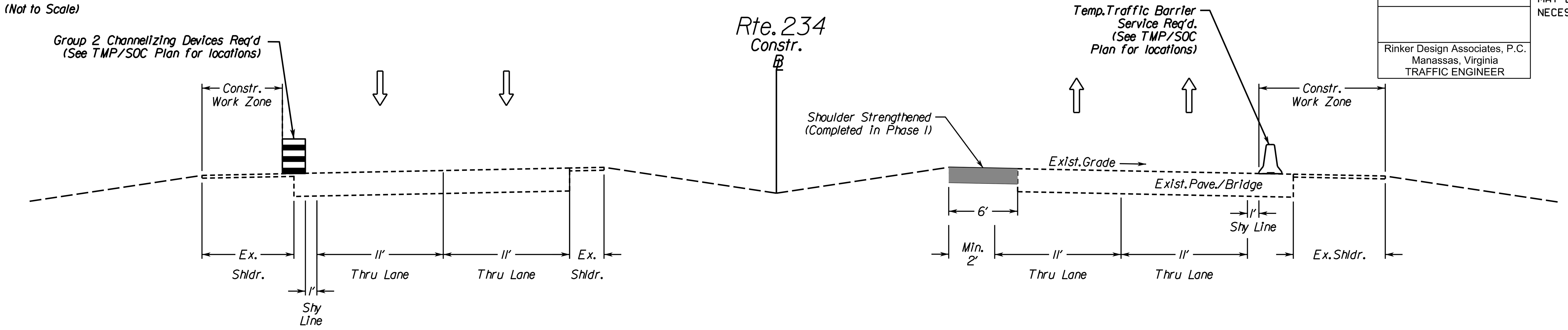
TMP/SOC PHASE 2 TYPICALS

Phase 2: Construction

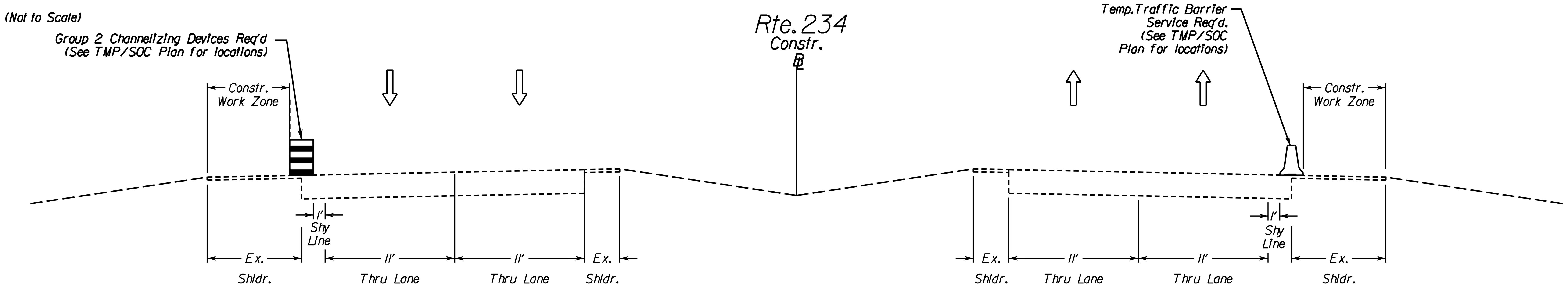
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	216+00		218+50

Phase 2: Construction

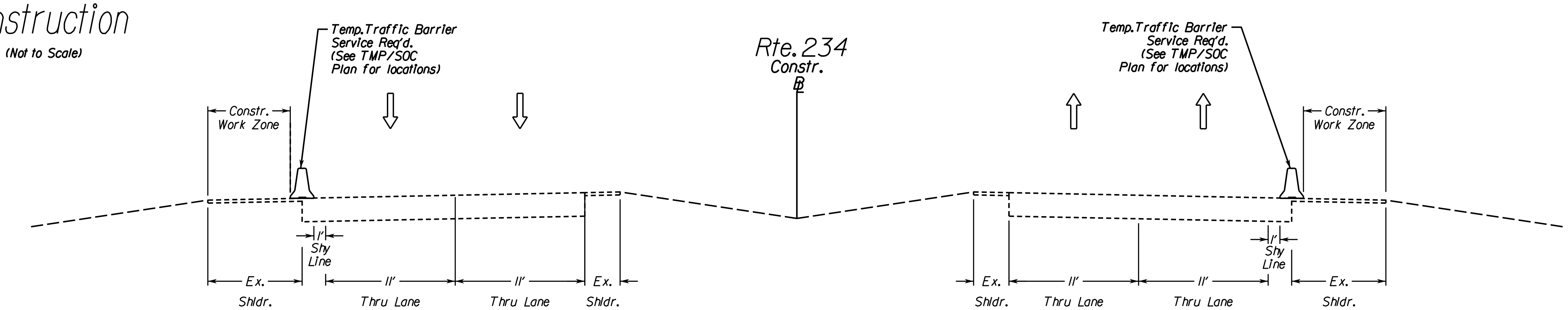
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	218+50		220+00

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	220+00		224+00

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(3)

NOVA DISTRICT DESIGN UNIT

Rinker Design Associates, P.C.

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TMP/SOC PHASE 2 TYPICALS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(4)

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

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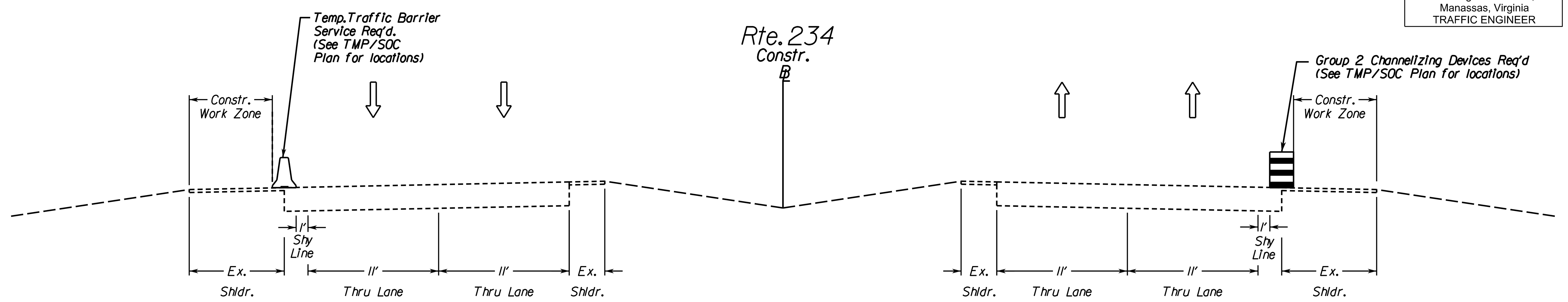
Phase 2: Construction

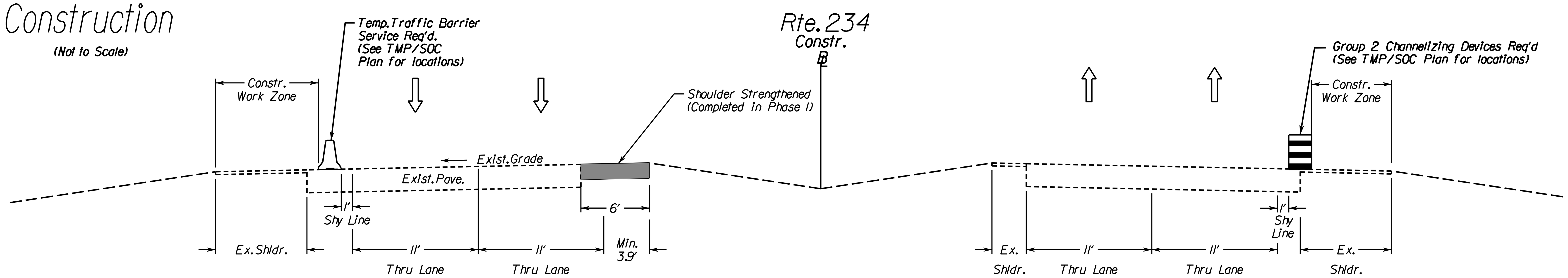
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	224+00		226+50

Phase 2: Construction

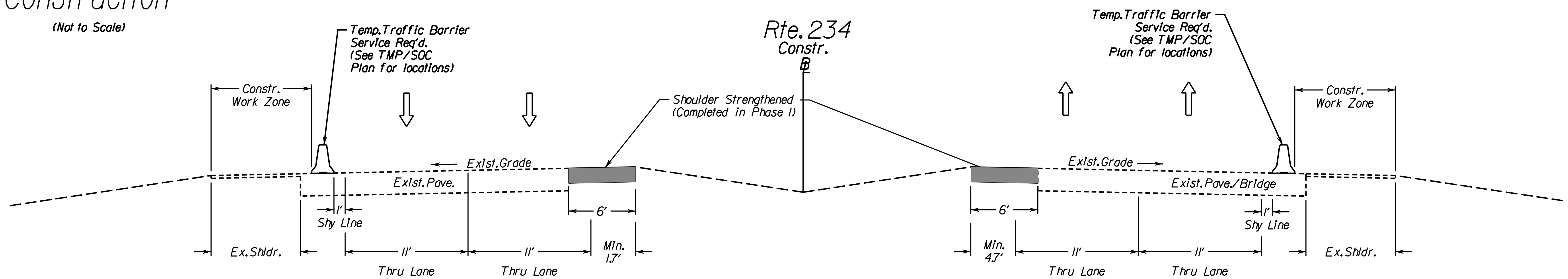
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	226+50		228+00

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	228+00		229+00

VDOT PROJECT	SHEET NO.
6234-076-266	1K(4)
PWC PROJECT SPR2019-00101	

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(5)

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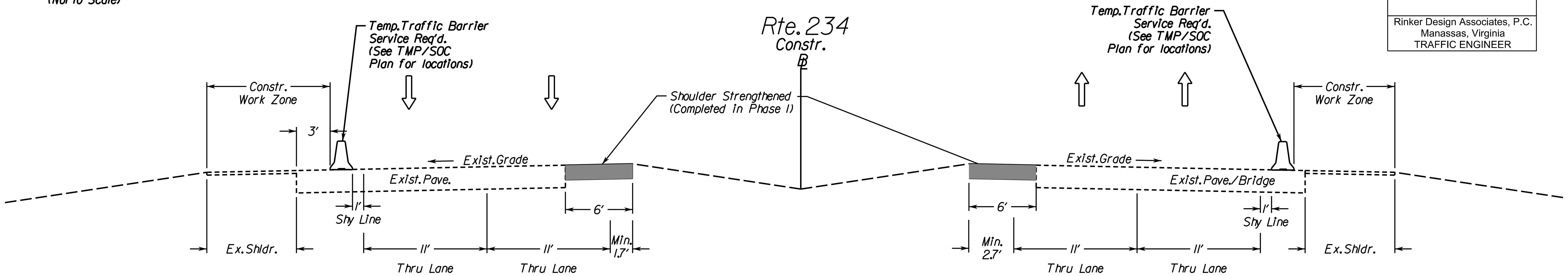
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

TMP/SOC PHASE 2 TYPICALS

Phase 2: Construction

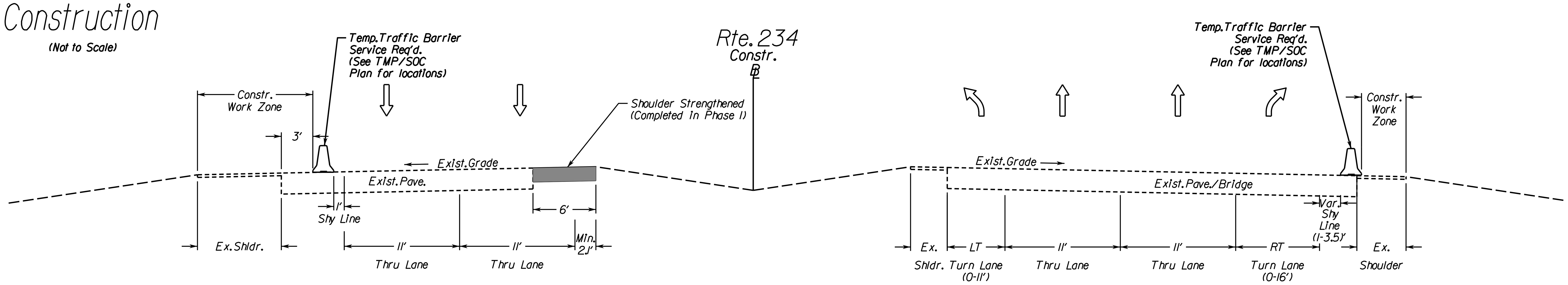
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	229+00		231+31

Phase 2: Construction

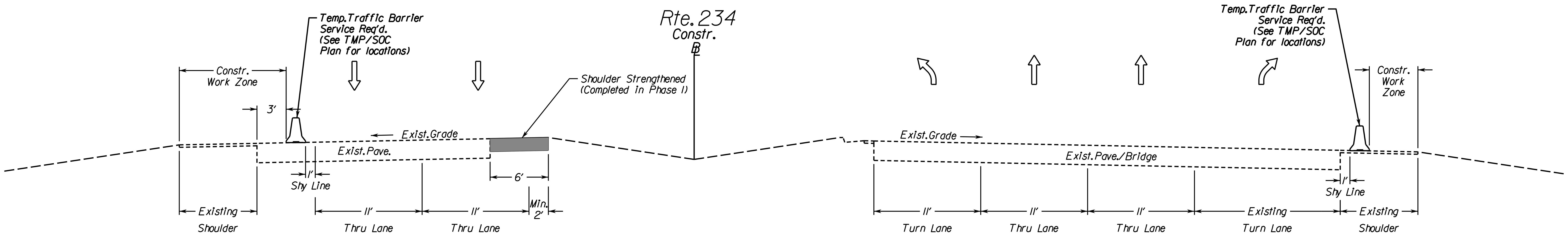
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	231+31		232+35

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	232+35		234+46

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Right of Way Services
Office Locations

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NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	1K(5)
PWC PROJECT SPR2019-00101	

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(6)

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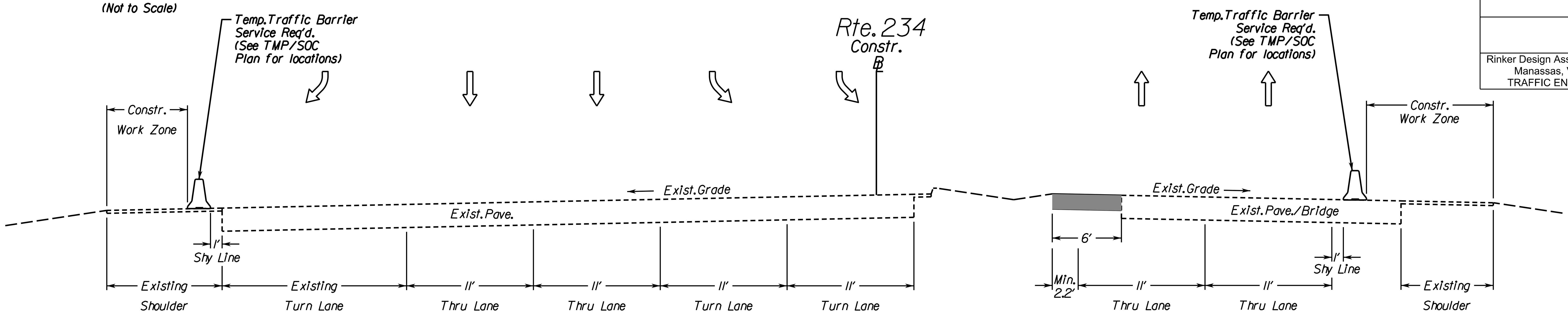
TMP/SOC PHASE 2 TYPICALS

Phase 2: Construction

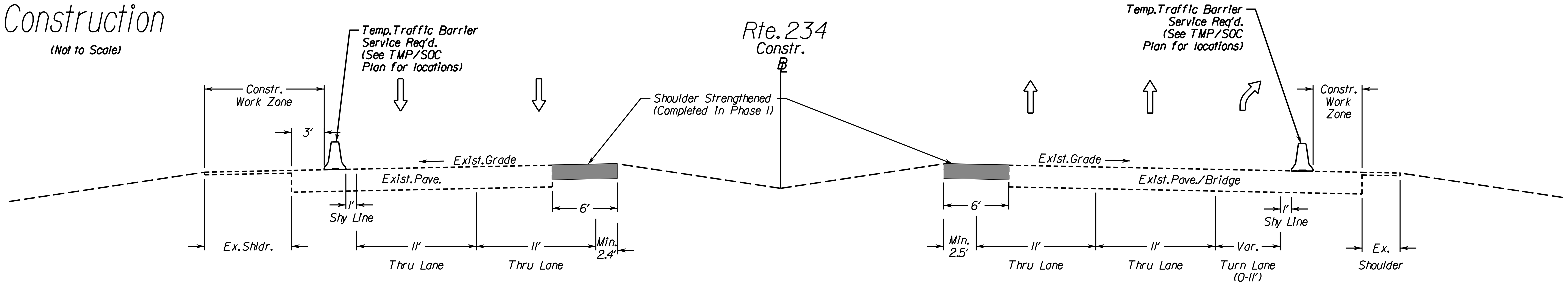
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	238+78		240+46

Phase 2: Construction

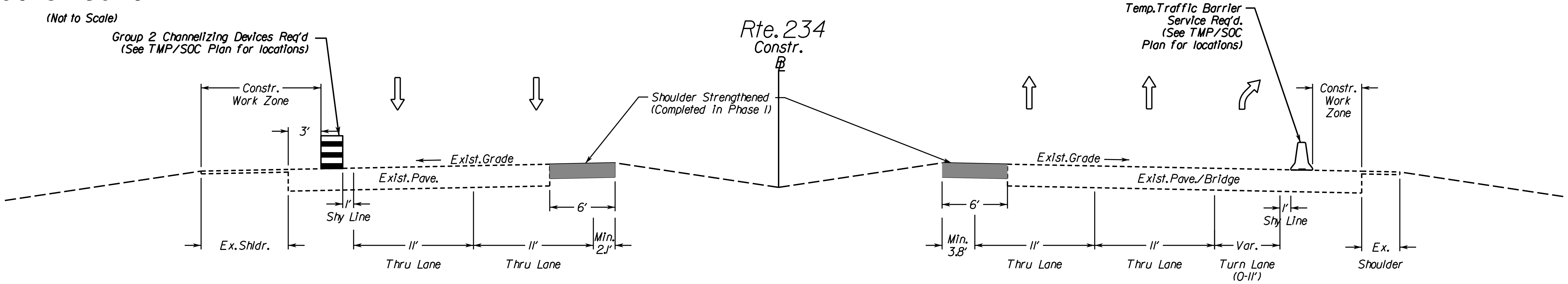
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	250+41		251+71

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	251+71		255+00

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Civil Engineering - Surveying - Land Planning
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Right of Way Services

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NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1K(6)

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TMP/SOC PHASE 2 TYPICALS

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(7)

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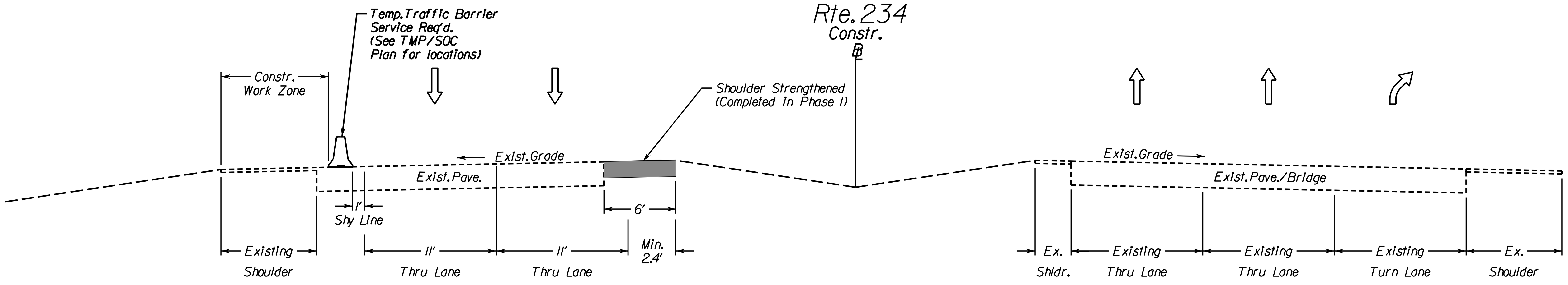
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

Phase 2: Construction

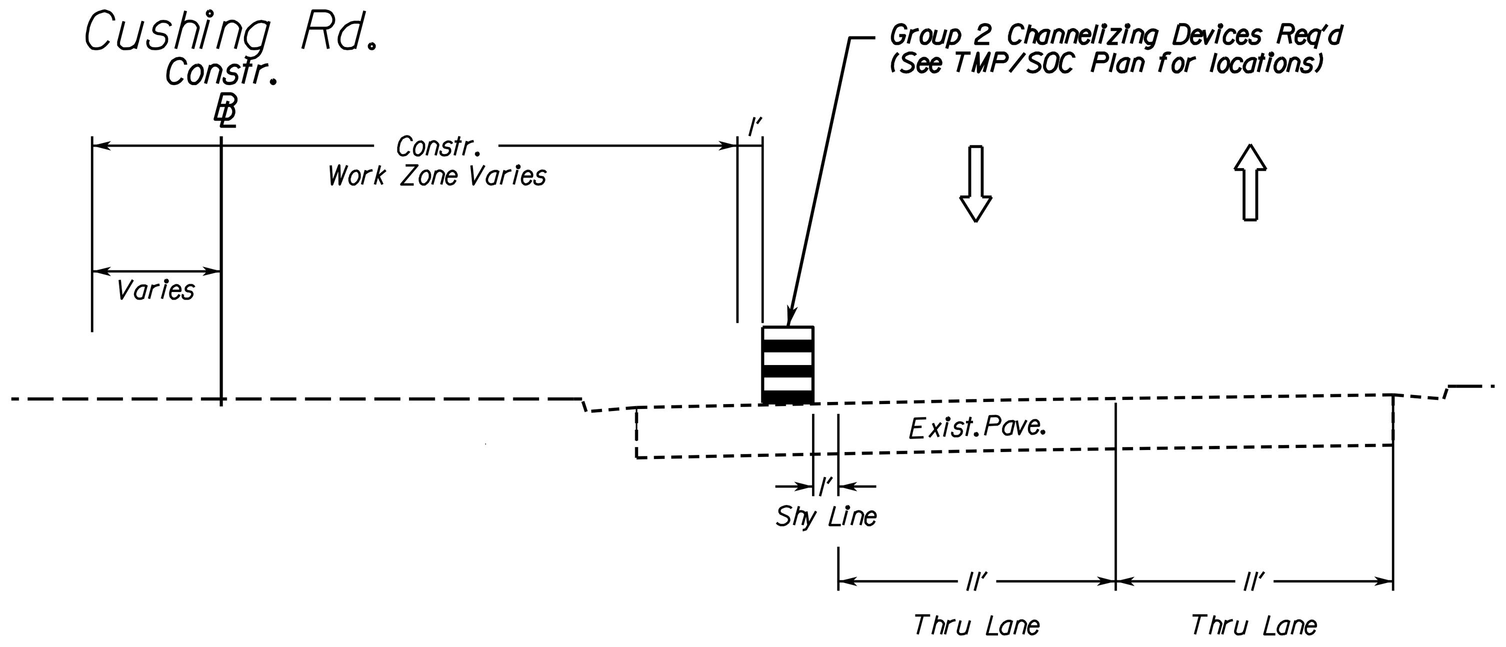
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	250+41		251+71

Phase 2: Construction

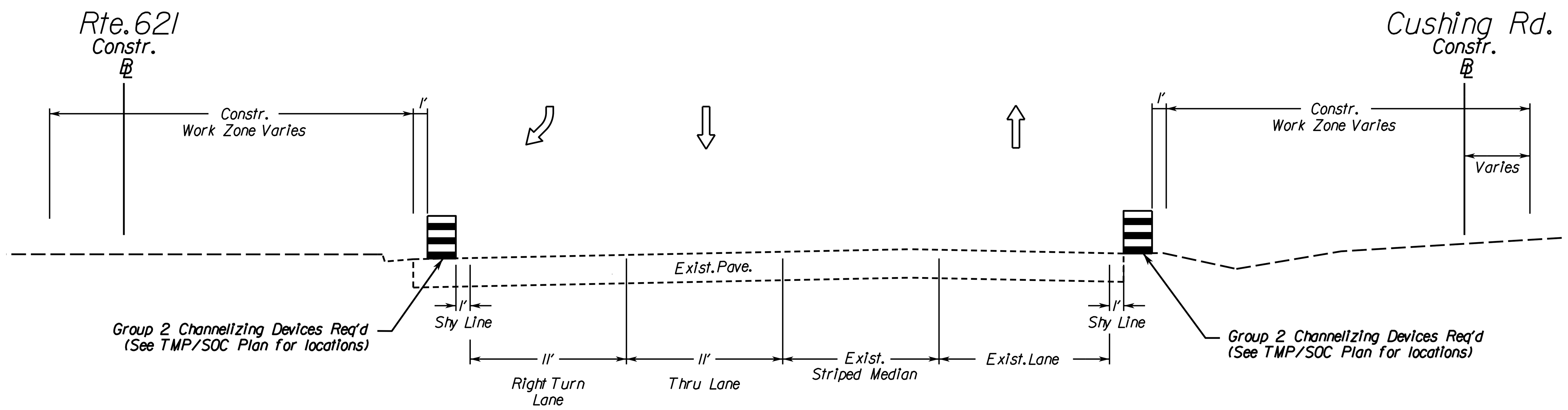
(Not to Scale)



LOCATION	STATION	TO	STATION
Cushing Road	Existing		Existing

Phase 2: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Cushing Road	Existing		Existing

VDOT PROJECT	SHEET NO.
6234-076-266	1K(7)
PWC PROJECT SPR2019-00101	

Rinker Design Associates, P.C.

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NOVA DISTRICT DESIGN UNIT

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TMP/SOC PHASE 2A & 2B TYPICALS

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(7A)

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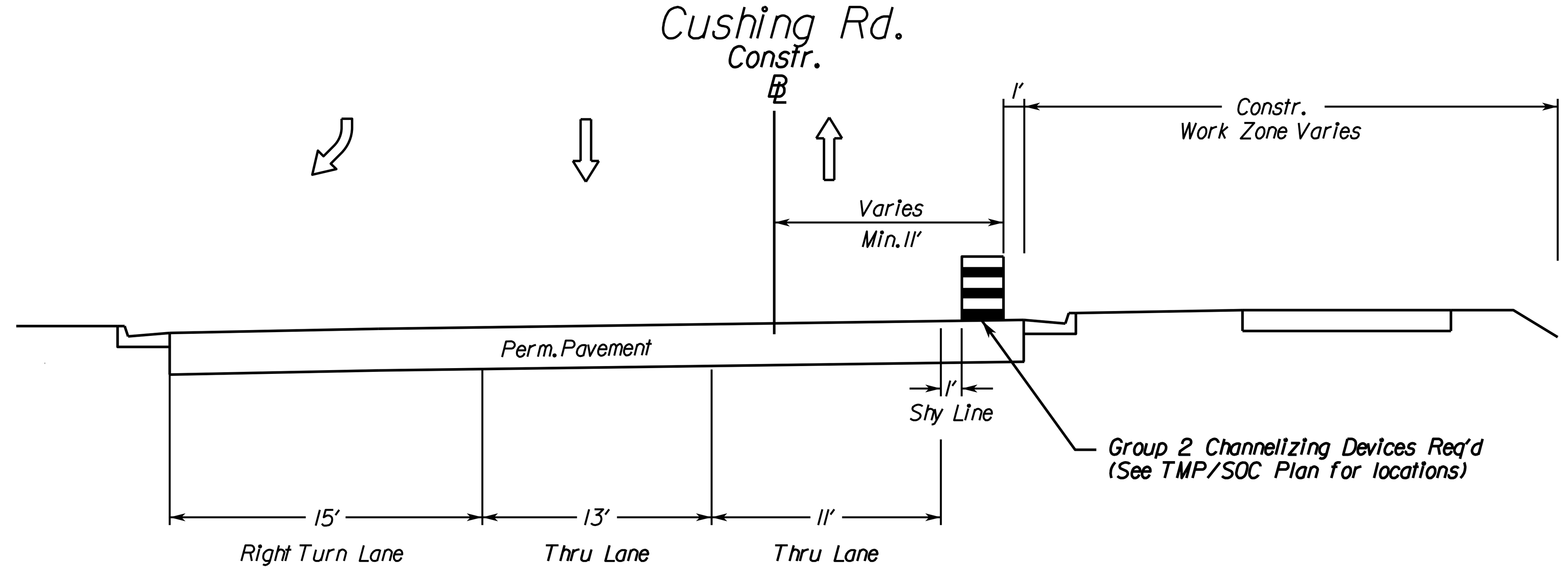
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

Phase 2A: Construction

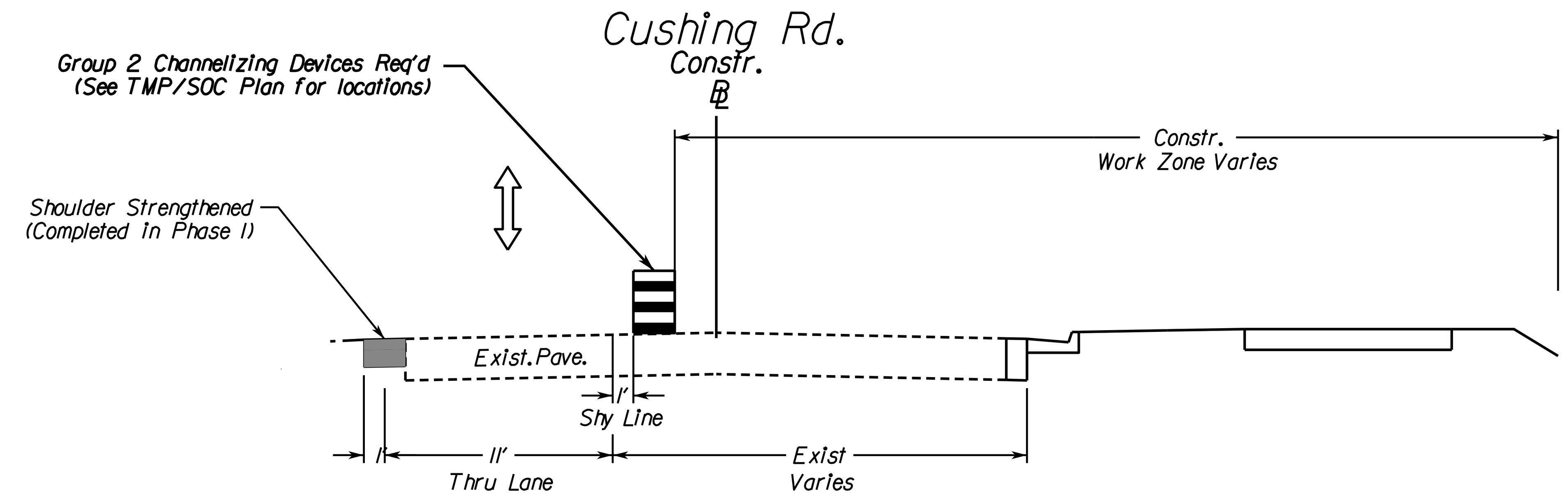
(Not to Scale)



LOCATION	STATION	TO	STATION
Cushing Road	200+00		203+50

Phase 2A: Construction

(Not to Scale)

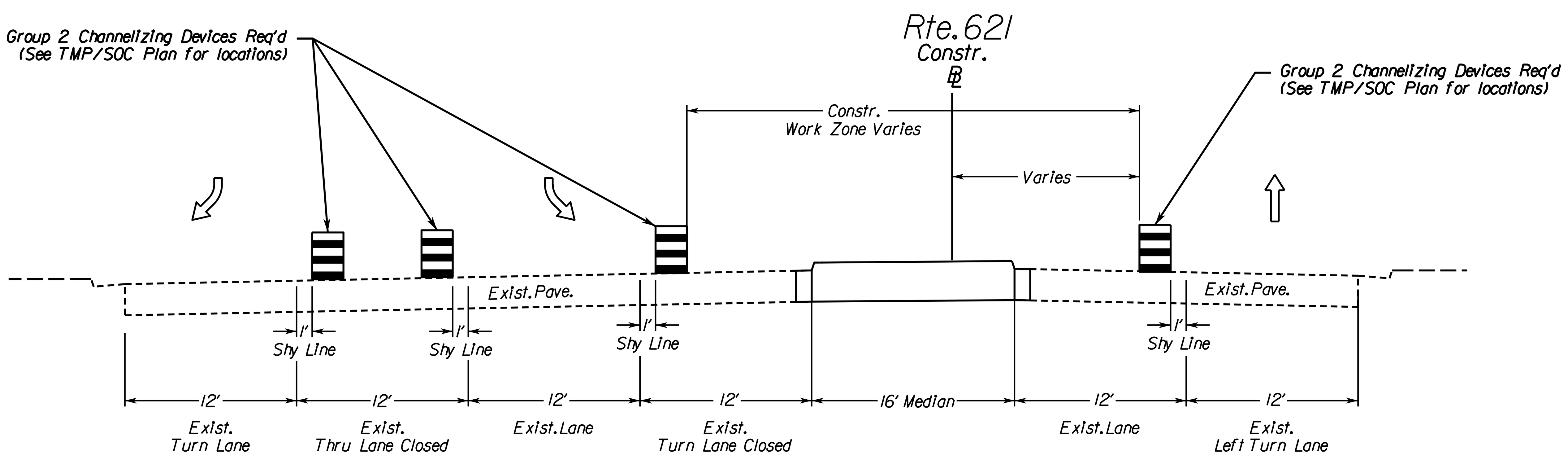


LOCATION	STATION	TO	STATION
Cushing Road	209+50		215+50

Note: Construction to be performed under TTC-23.2 (Flagger Service).

Phase 2B: Construction

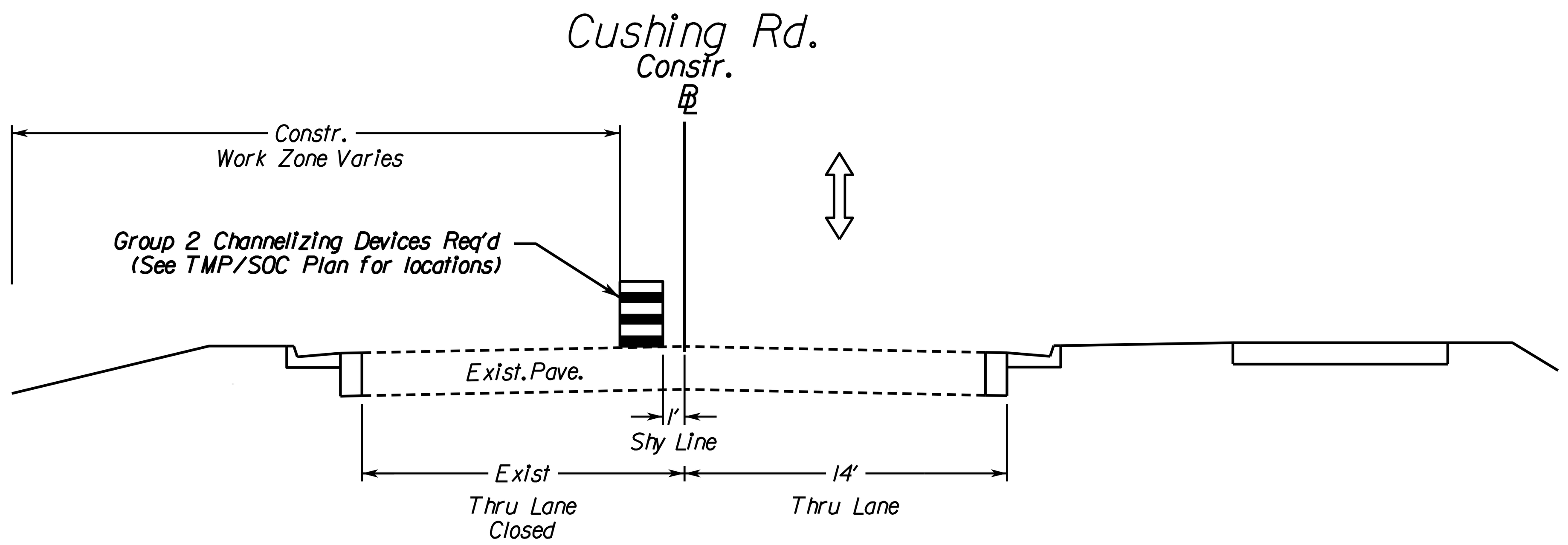
(Not to Scale)



LOCATION	STATION	TO	STATION
Balls Ford Road	188+00		192+75

Phase 2B: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Cushing Road	207+00		210+50

Note: Construction to be performed under TTC-23.2 (Flagger Service).

VDOT PROJECT	SHEET NO.
6234-076-266	1K(7A)
PWC PROJECT SPR2019-00101	

Rinker Design Associates, P.C.

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NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK(8)

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

TMP/SOC PHASE 2

TMP/SOC Legend: Phase 2

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

Rinker Design Associates, P.C.

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NOVA DISTRICT DESIGN UNIT

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IK(8)

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(9)

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Denotes Temporary Easement
Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(9)

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(9(1))

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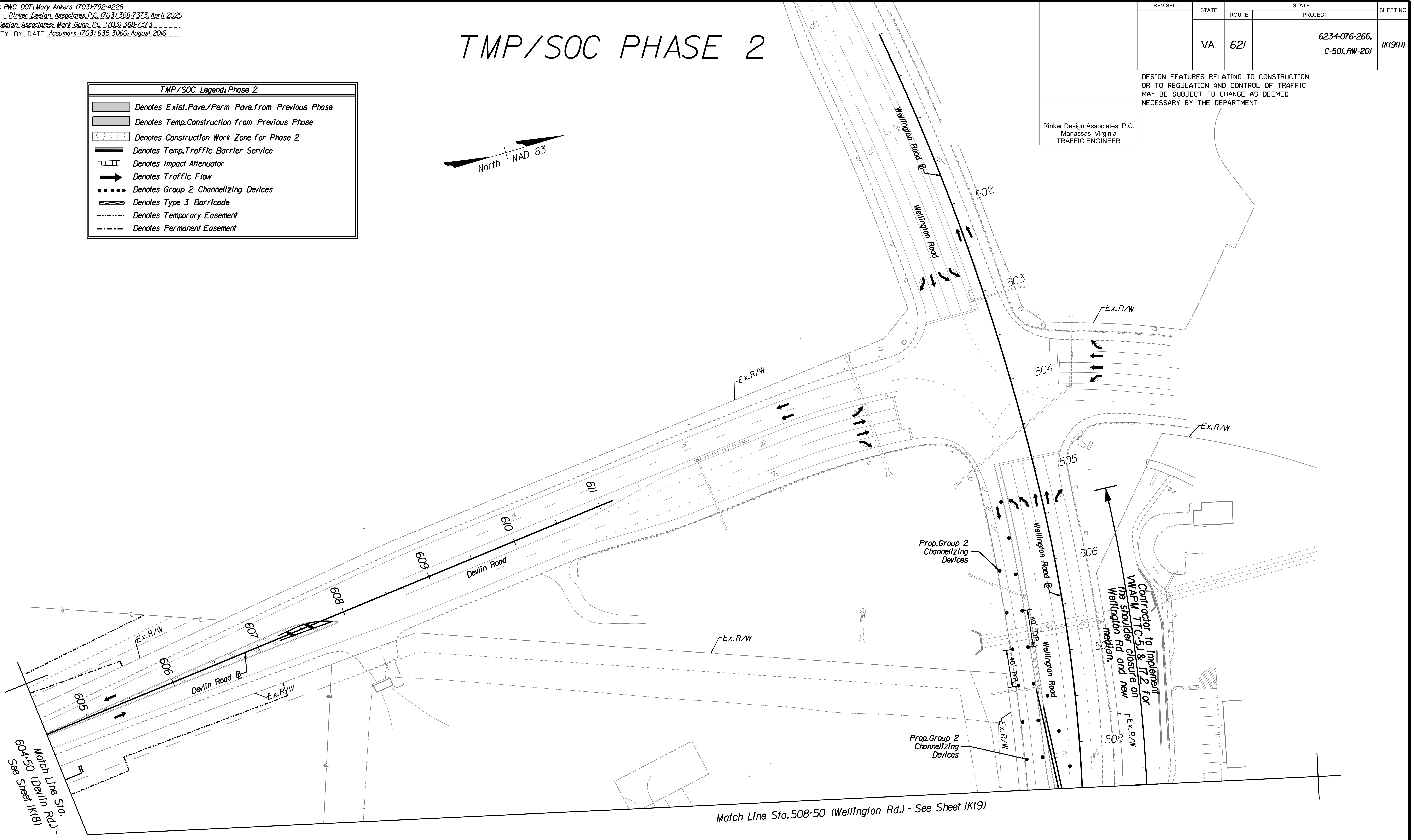

SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266	1K(9(1))
PWC PROJECT SPR2019-00101	

Rinker Design Associates, P.C. Civil Engineering - Surveying - Land Planning - Transportation - Environmental - Right of Way Services

Office Locations

LANE

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TMP/SOC PHASE 2

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(10)

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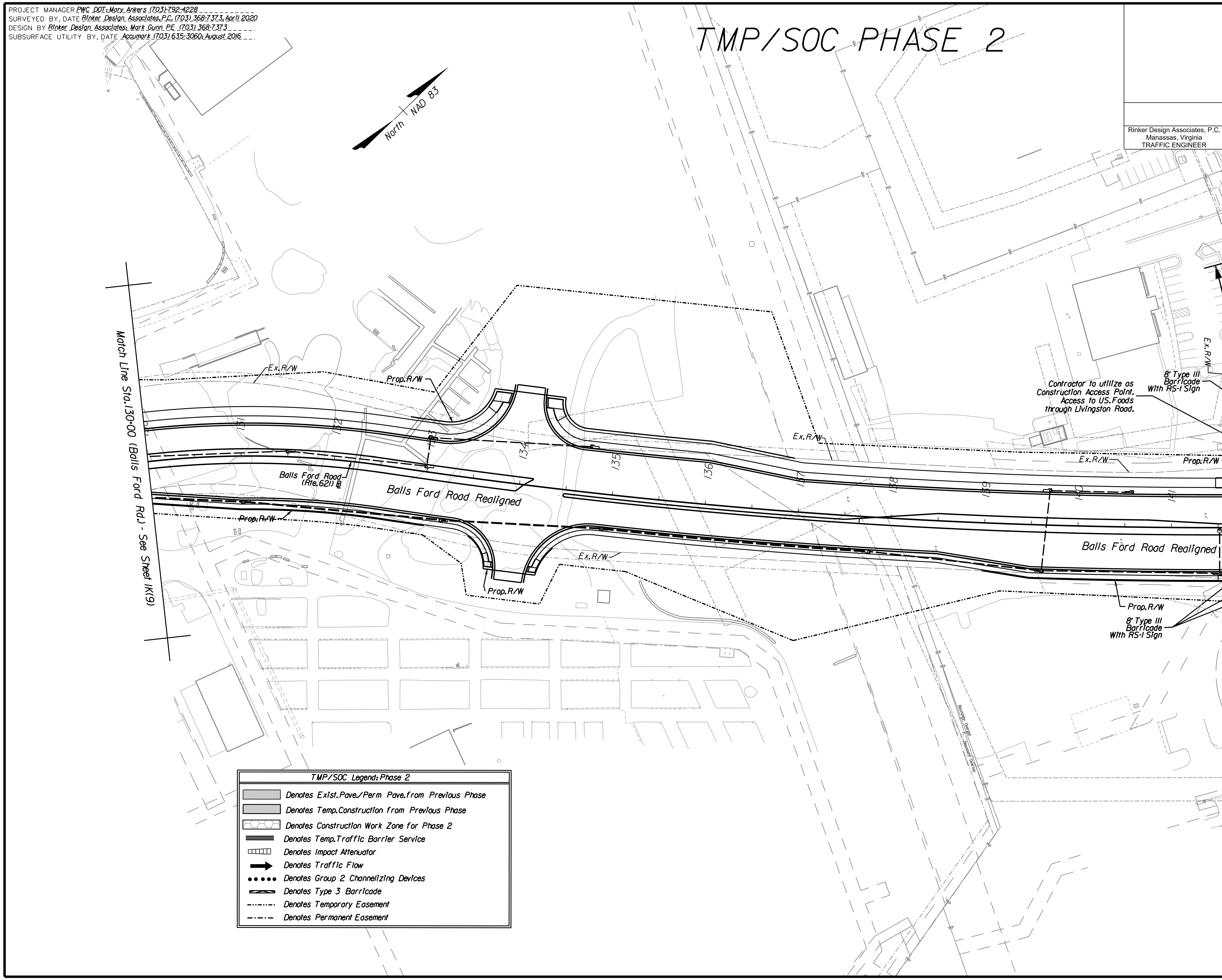
TRAFFIC ENGINEER



VDOT PROJECT	SHEET NO.
6234-076-266	1K(10)
PWC PROJECT SPR2019-00101	

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

Rinker Design Associates, P.C.

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NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(11)

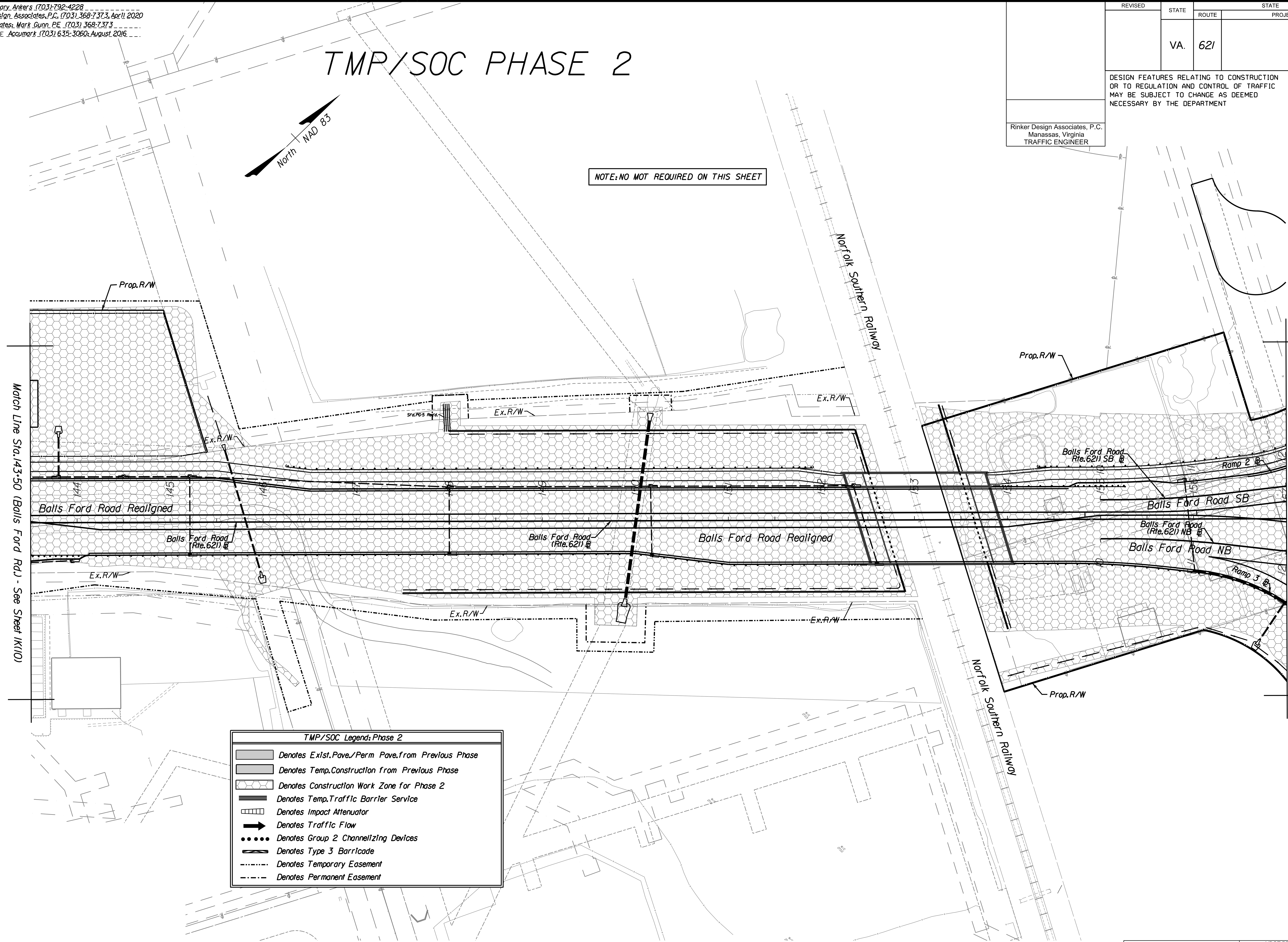
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE 2

NOTE: NO MOT REQUIRED ON THIS SHEET



TMP/SOC Legend: Phase 2

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

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NOVA DISTRICT DESIGN UNIT

SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266	1K(11)
PWC PROJECT SPR2019-00101	

PH PLAN

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PROJECT MANAGER PWC DOT; Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

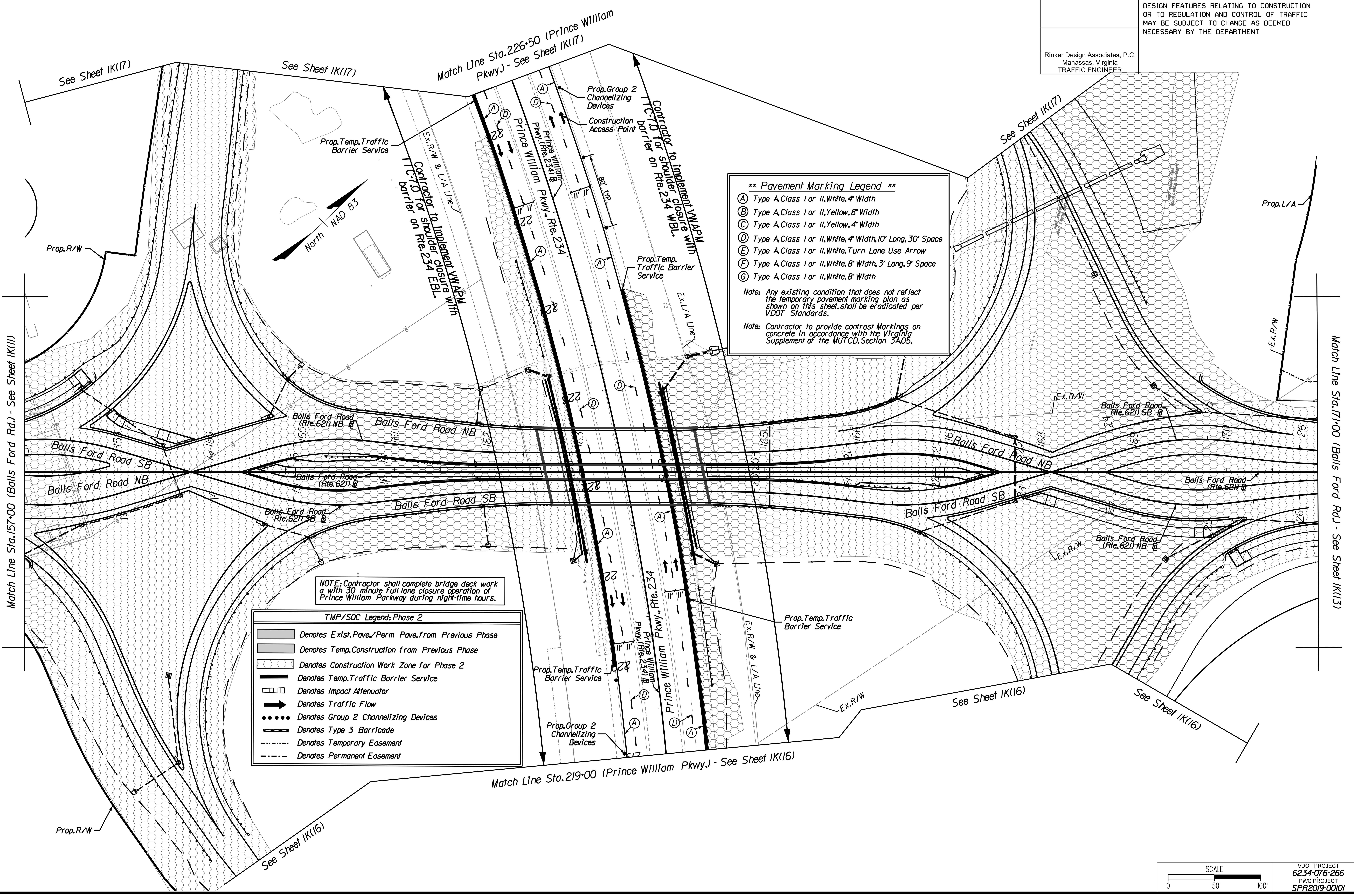
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK(12)

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

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

TMP/SOC PHASE 2



SCALE 0 50' 100'	VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. IK(12)

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 2

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(13)

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

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

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services
Office Locations

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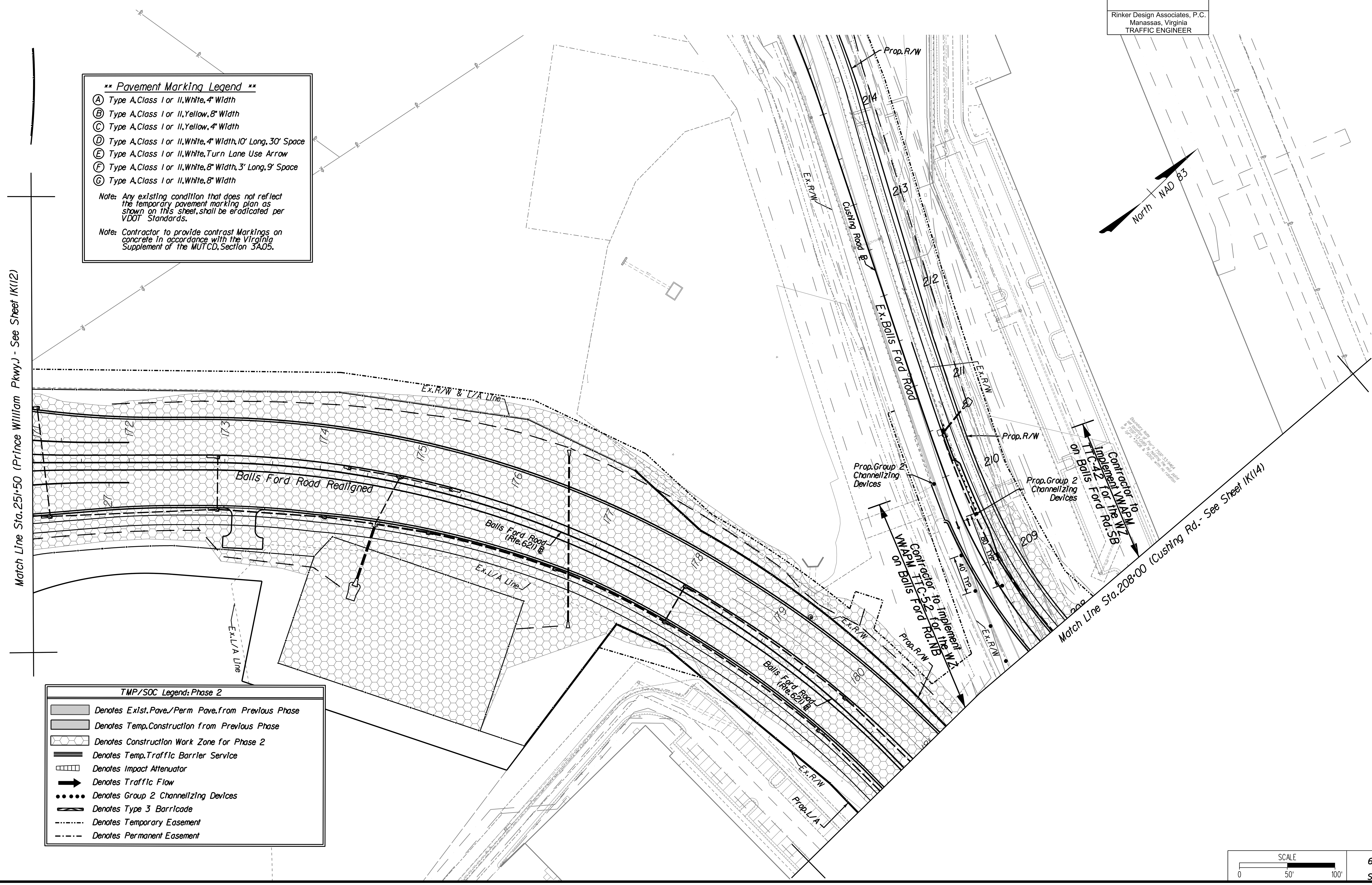
NOVA DISTRICT DESIGN UNIT



** Pavement Marking Legend **

(A) Type A, Class I or II, White, 4" Width
(B) Type A, Class I or II, Yellow, 8" Width
(C) Type A, Class I or II, Yellow, 4" Width
(D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
(E) Type A, Class I or II, White, Turn Lane Use Arrow
(F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
(G) Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

TMP/SOC Legend: Phase 2

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266	1K(13)
PWC PROJECT SPR2019-00101	

PH PLAN

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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK (13A(1))

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

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

TMP/SOC PHASE 2A

TMP/SOC Legend: Phase 2A

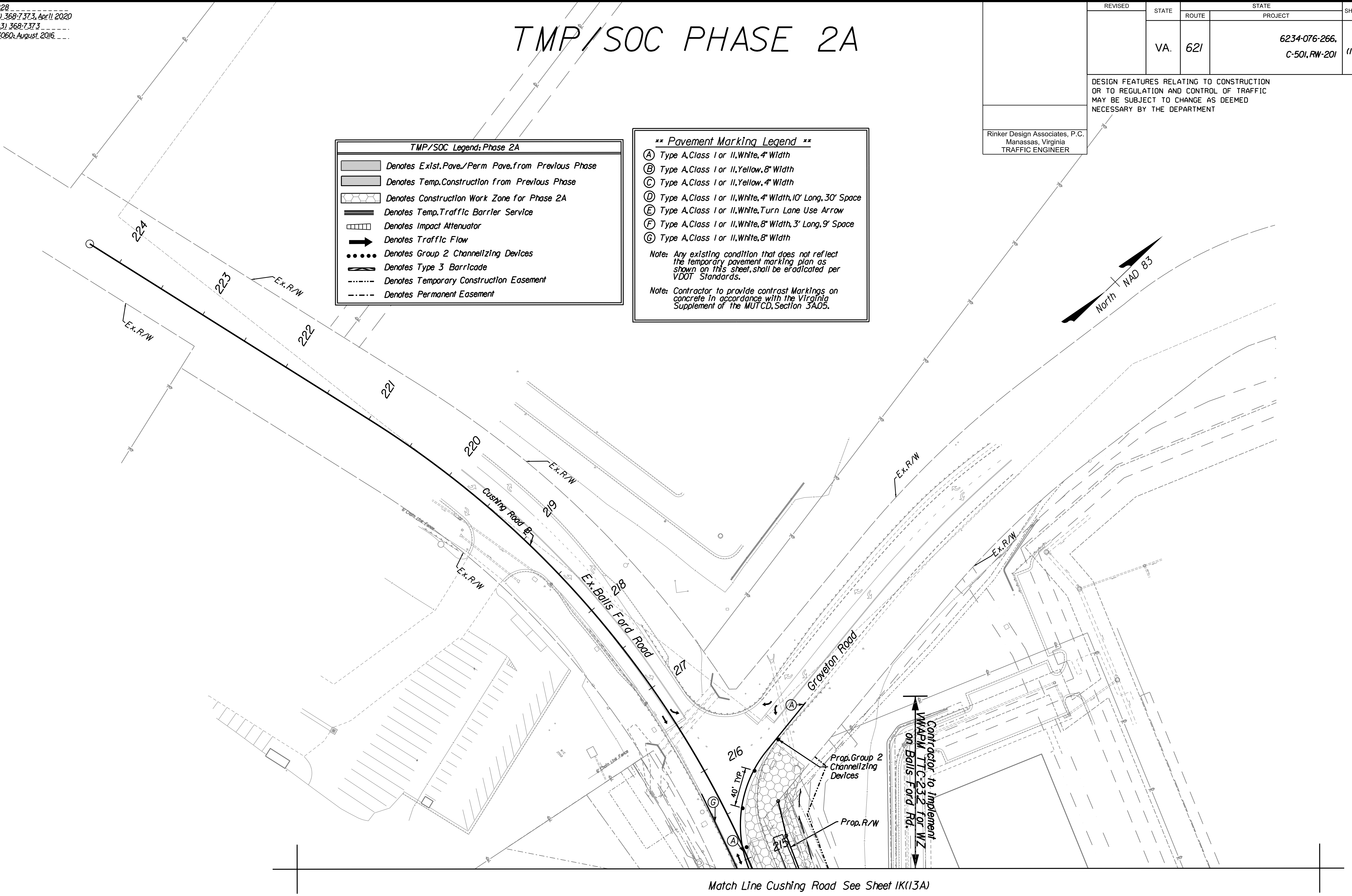
- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2A
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

**** Pavement Marking Legend ****

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.



Match Line Cushing Road See Sheet IK(13A)

SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	IK(13A(1))

NOVA DISTRICT DESIGN UNIT

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PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 2A

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK(13A)

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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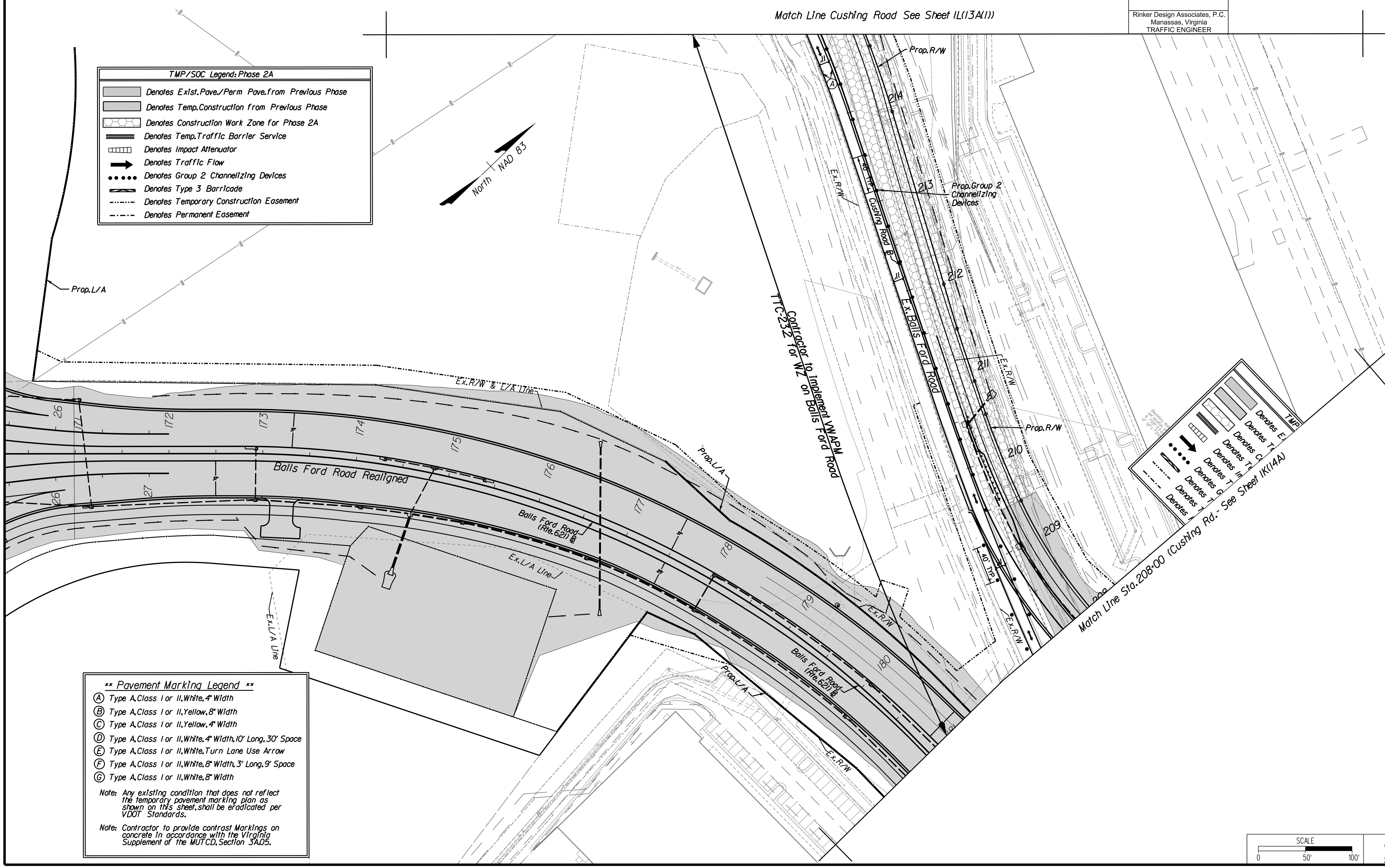
TRAFFIC ENGINEER

Match Line Cushing Road See Sheet IL(13A(1))



TMP/SOC Legend: Phase 2A

- Denotes Exist.Pave./Perm Pave.from Previous Phase
- Denotes Temp.Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2A
- Denotes Temp.Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

**** Pavement Marking Legend ****

- (A) Type A,Class I or II,White,4" Width
- (B) Type A,Class I or II,Yellow,8" Width
- (C) Type A,Class I or II,Yellow,4" Width
- (D) Type A,Class I or II,White,4" Width,10' Long,30' Space
- (E) Type A,Class I or II,White,Turn Lane Use Arrow
- (F) Type A,Class I or II,White,8" Width,3' Long,9' Space
- (G) Type A,Class I or II,White,8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet,shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD,Section 3A.05.

SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	IK(13A)

Rinker Design Associates, P.C.

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NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates,P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K (13B(1))

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

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

TMP/SOC PHASE 2B

TMP/SOC Legend: Phase 2B

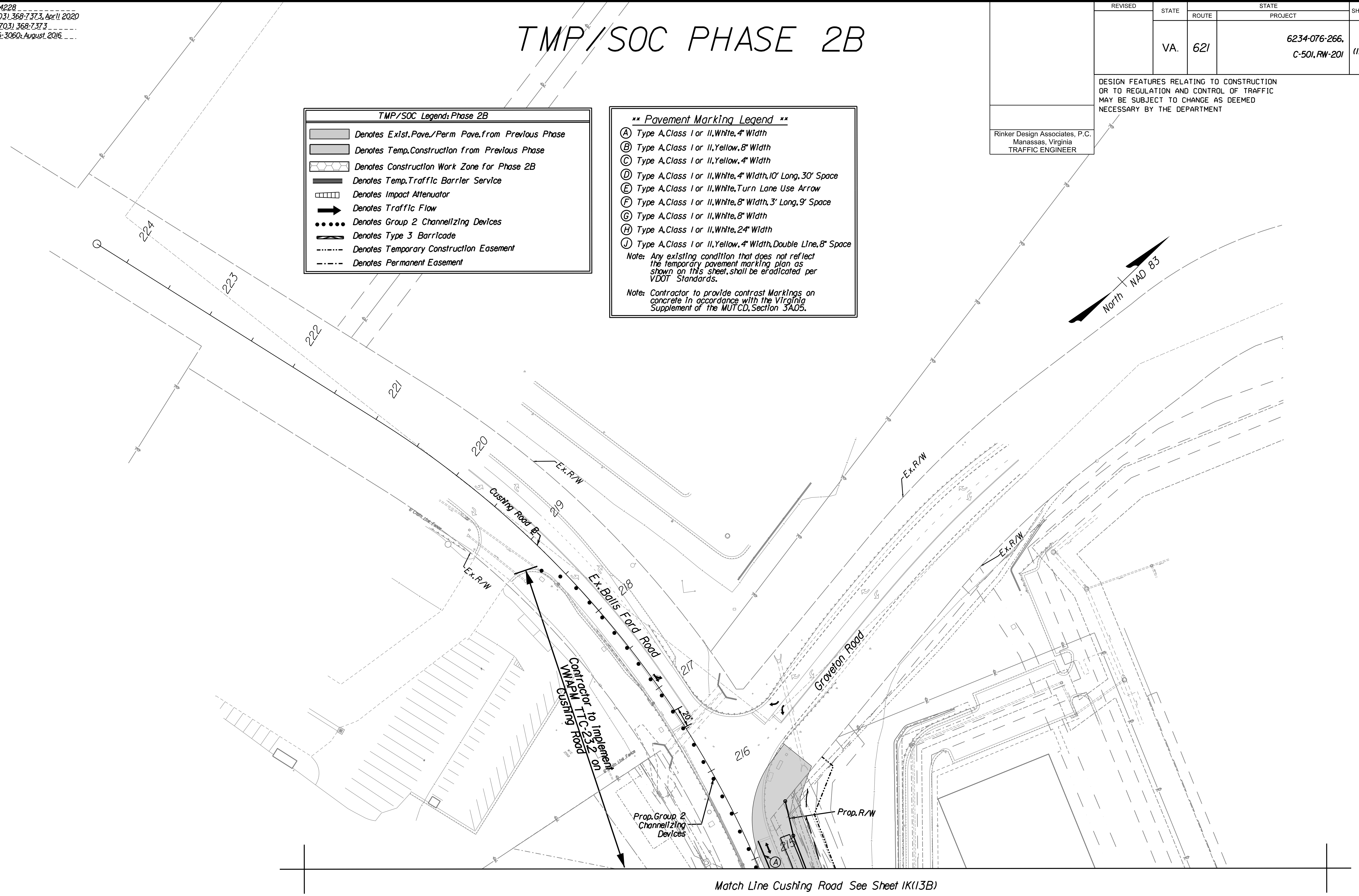
- Denotes Exist.Pave./Perm Pave.from Previous Phase
- Denotes Temp.Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2B
- Denotes Temp.Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

**** Pavement Marking Legend ****

- (A) Type A,Class I or II,White,4" Width
- (B) Type A,Class I or II,Yellow,8" Width
- (C) Type A,Class I or II,Yellow,4" Width
- (D) Type A,Class I or II,White,4" Width,10' Long,30' Space
- (E) Type A,Class I or II,White,Turn Lane Use Arrow
- (F) Type A,Class I or II,White,8" Width,3' Long,9' Space
- (G) Type A,Class I or II,White,8" Width
- (H) Type A,Class I or II,White,24" Width
- (J) Type A,Class I or II,Yellow,4" Width,Double Line,8" Space

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet,shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD,Section 3A.05.



Match Line Cushing Road See Sheet 1K(13B)

SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 / PWC PROJECT SPR2019-00101	1K(13B(1))

PH PLAN

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NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 2B

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(13B)

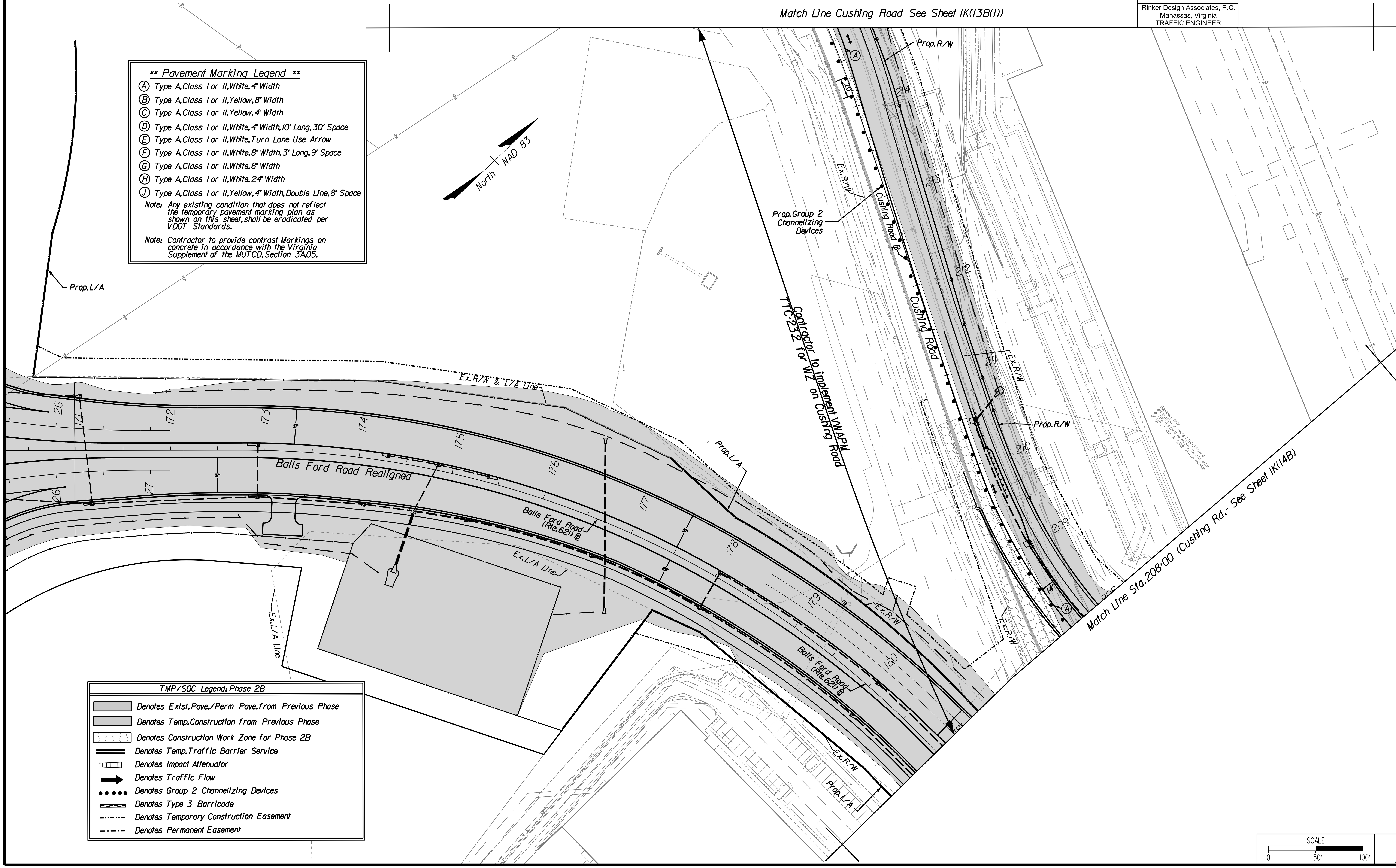
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT



SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	1K(13B)

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

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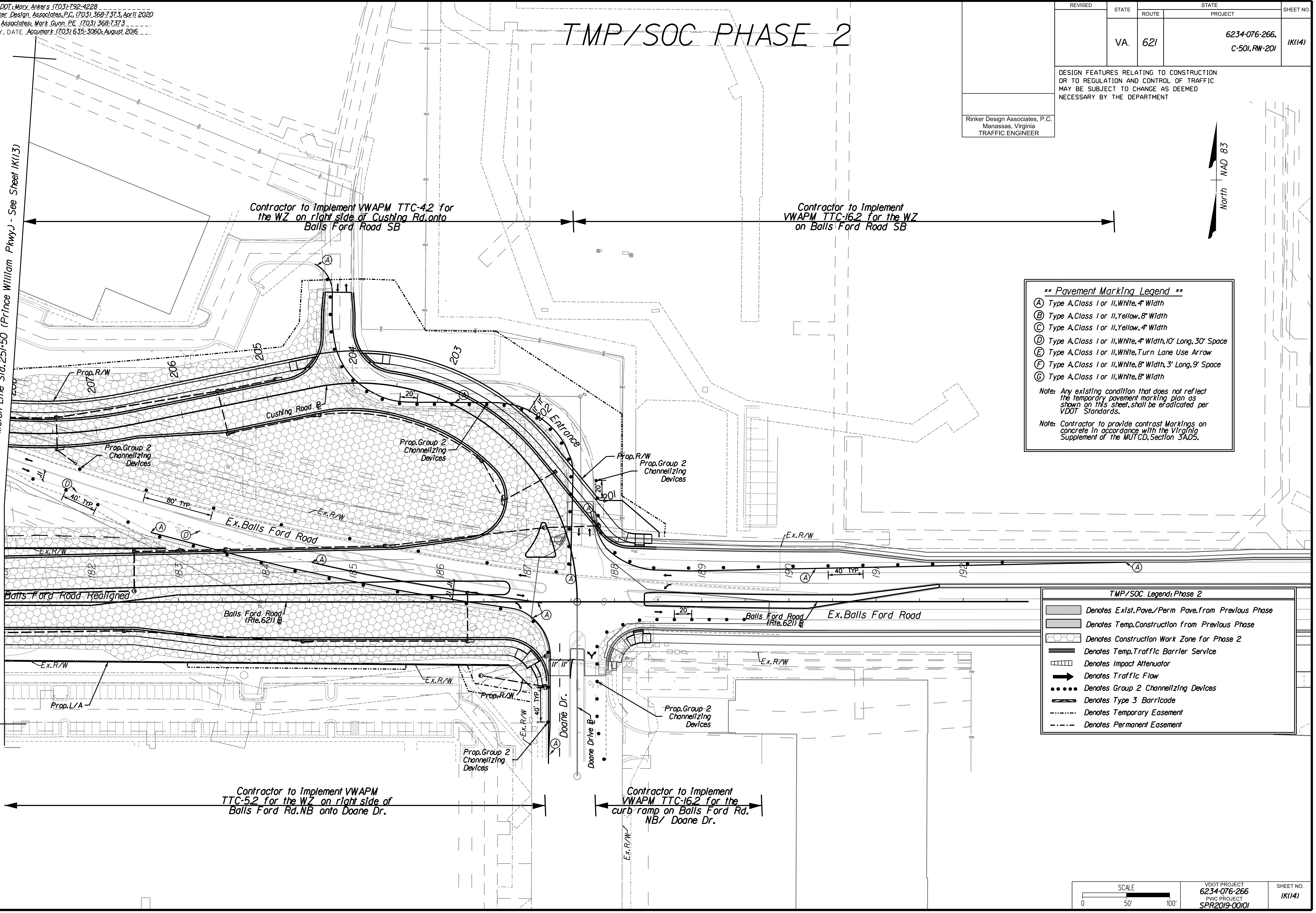
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(14)

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

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

TMP/SOC PHASE 2



** Pavement Marking Legend **

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

TMP/SOC Legend: Phase 2

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- Denotes Temp. Construction from Previous Phase
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- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(14)

Rinker Design Associates, P.C.
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NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

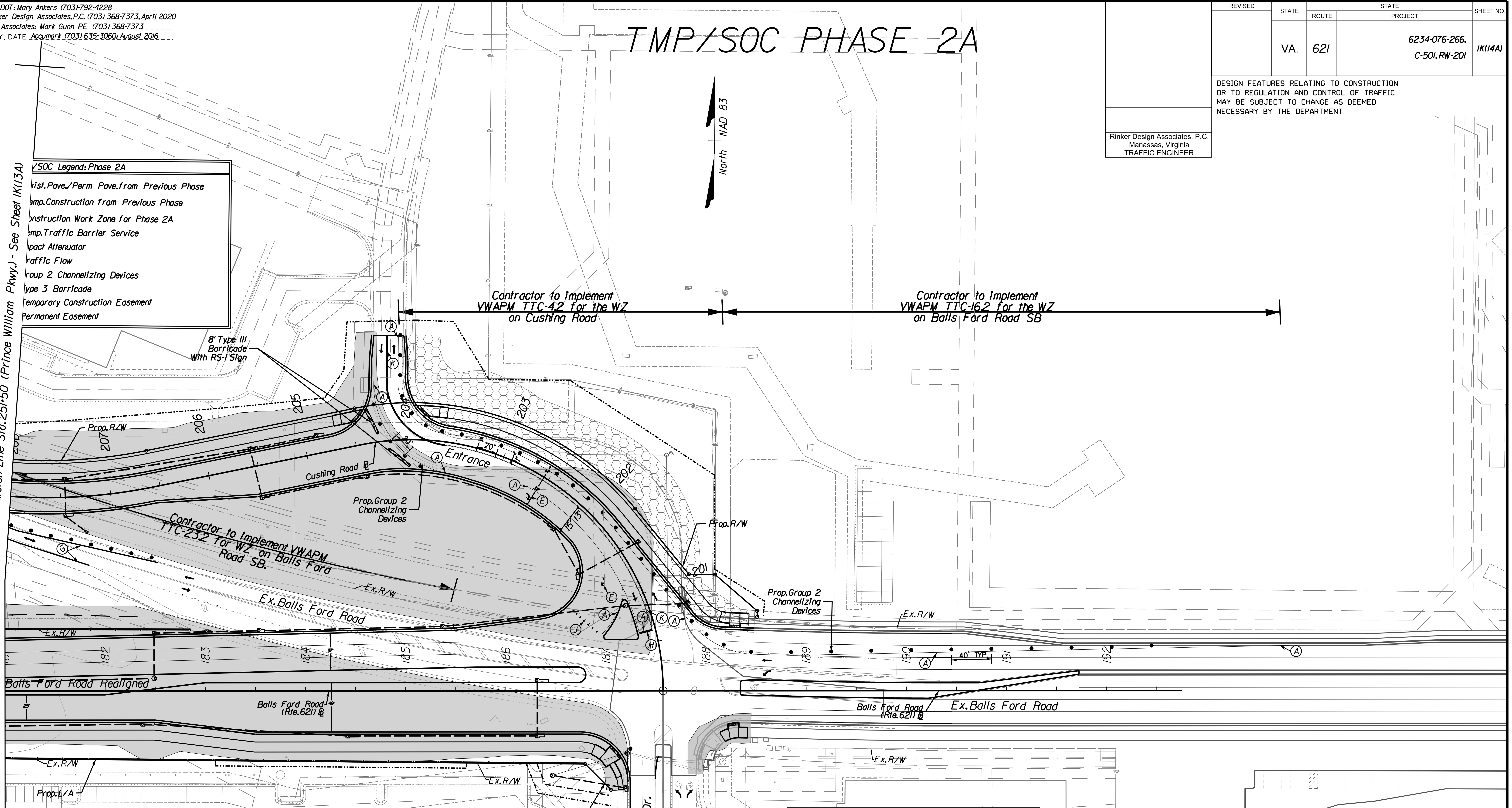
LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(14A)

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

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

TMP/SOC PHASE 2A



** Pavement Marking Legend **

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width
- (H) Type A, Class I or II, White, 24" Width
- (J) Type A, Class I or II, White, Yield Line Triangle (2'x3')
- (K) Type A, Class I or II, Yellow, 4" Width, Double Line, 6" Space

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(14A)

Rinker Design Associates, P.C.

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NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

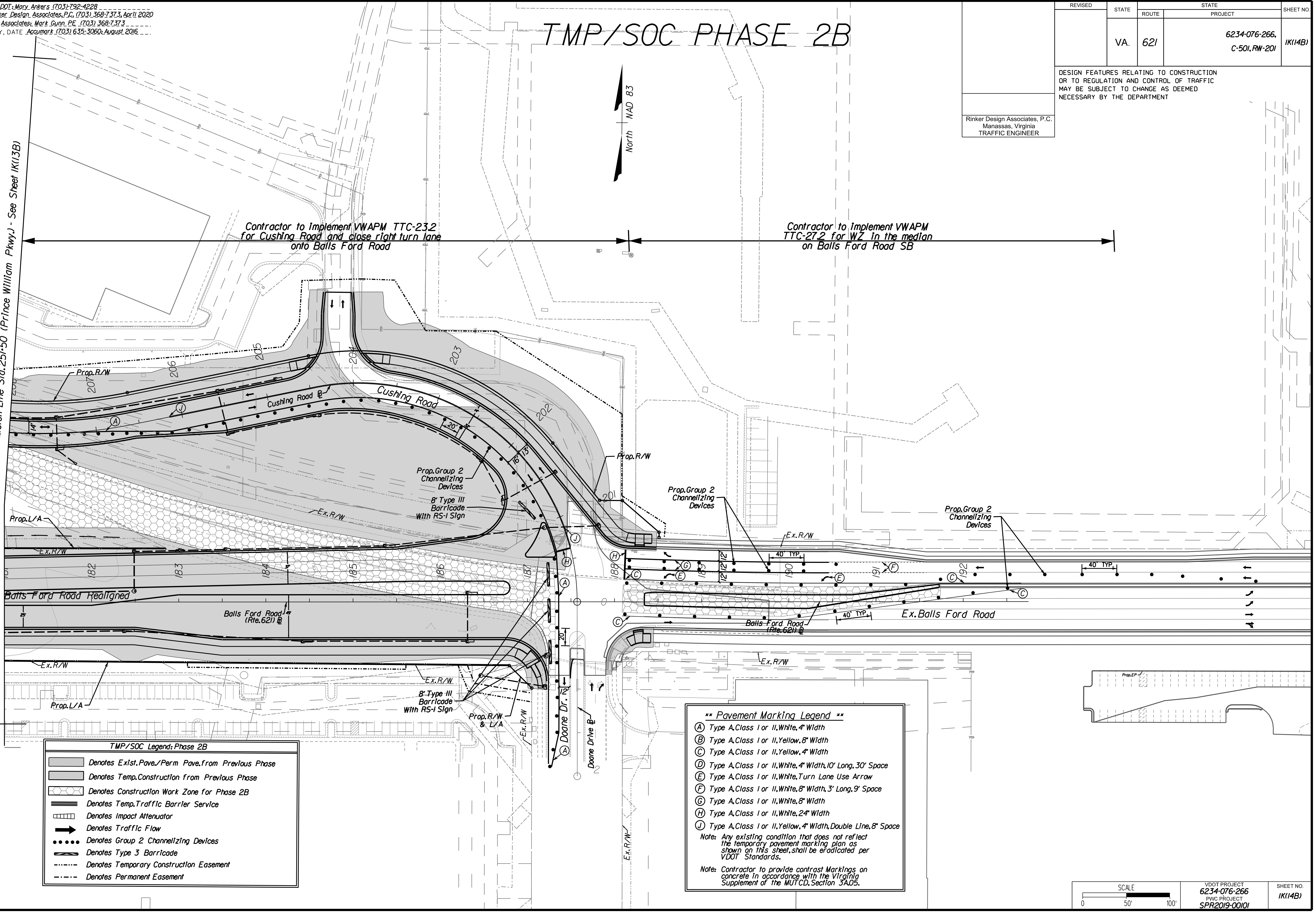
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(14B)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE 2B



TMP/SOC Legend: Phase 2B
Denotes Exist. Pave./Perm Pave. from Previous Phase
Denotes Temp. Construction from Previous Phase
Denotes Construction Work Zone for Phase 2B
Denotes Temp. Traffic Barrier Service
Denotes Impact Attenuator
Denotes Traffic Flow
Denotes Group 2 Channelizing Devices
Denotes Type 3 Barricade
Denotes Temporary Construction Easement
Denotes Permanent Easement

** Pavement Marking Legend **

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width
- (H) Type A, Class I or II, White, 24" Width
- (J) Type A, Class I or II, Yellow, 4" Width, Double Line, 8" Space

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1K(14B)

Rinker Design Associates, P.C. Office Locations

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PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(15)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE 2

Pavement Marking Legend

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

TMP/SOC Legend: Phase 2

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 2
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(15)

Design Associates, P.C. Rinker
NOVA DISTRICT DESIGN UNIT
LANE

PH PLAN

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PROJECT MANAGER PWC DOT; Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates,P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

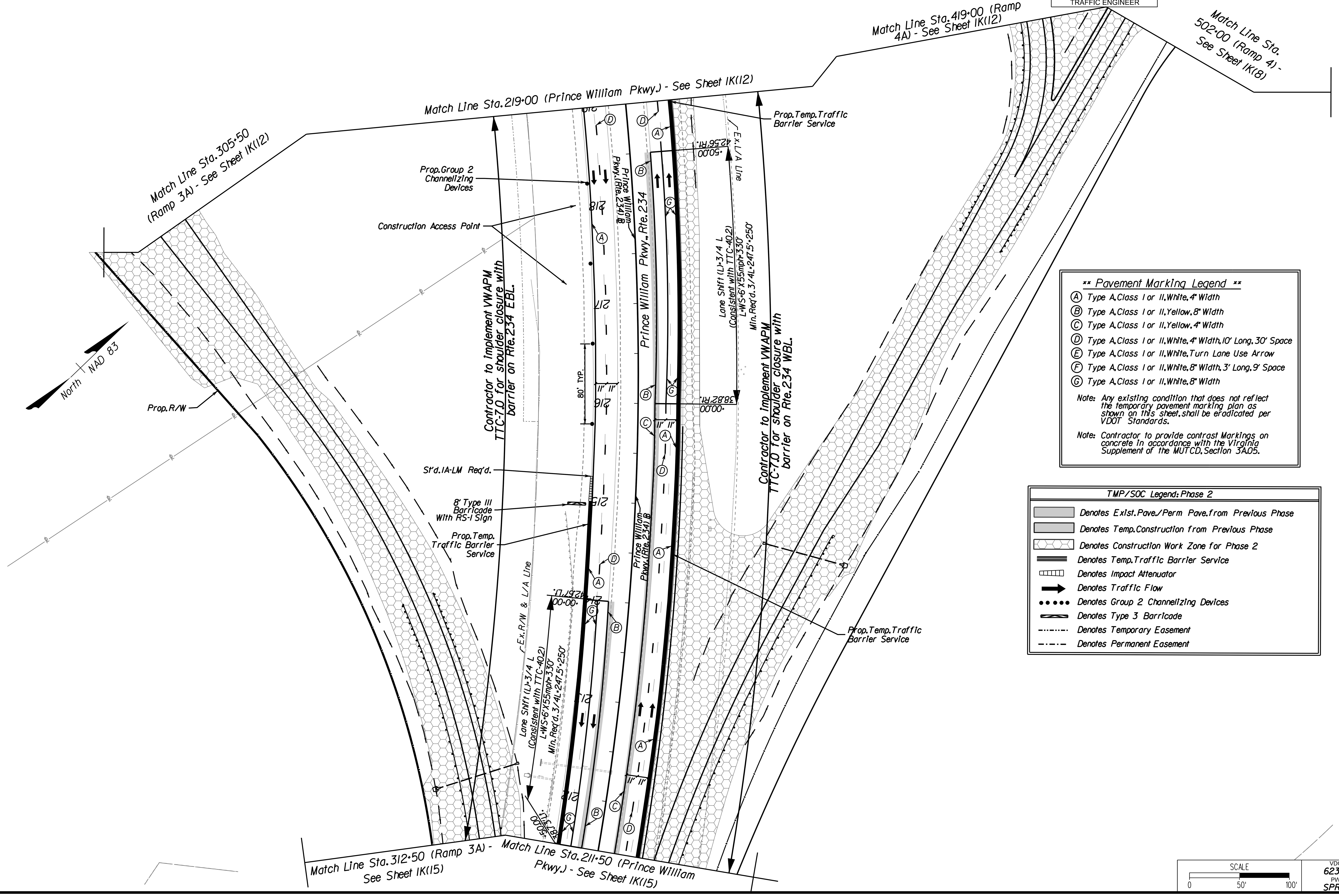
TMP/SOC PHASE 2

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK(16)

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

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



** Pavement Marking Legend **

- (A) Type A,Class I or II,White,4" Width
- (B) Type A,Class I or II,Yellow,8" Width
- (C) Type A,Class I or II,Yellow,4" Width
- (D) Type A,Class I or II,White,4" Width,10' Long,30' Space
- (E) Type A,Class I or II,White,Turn Lane Use Arrow
- (F) Type A,Class I or II,White,8" Width,3' Long,9' Space
- (G) Type A,Class I or II,White,8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet,shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD,Section 3A05.

TMP/SOC Legend: Phase 2

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- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IK(16)

Office Locations
Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

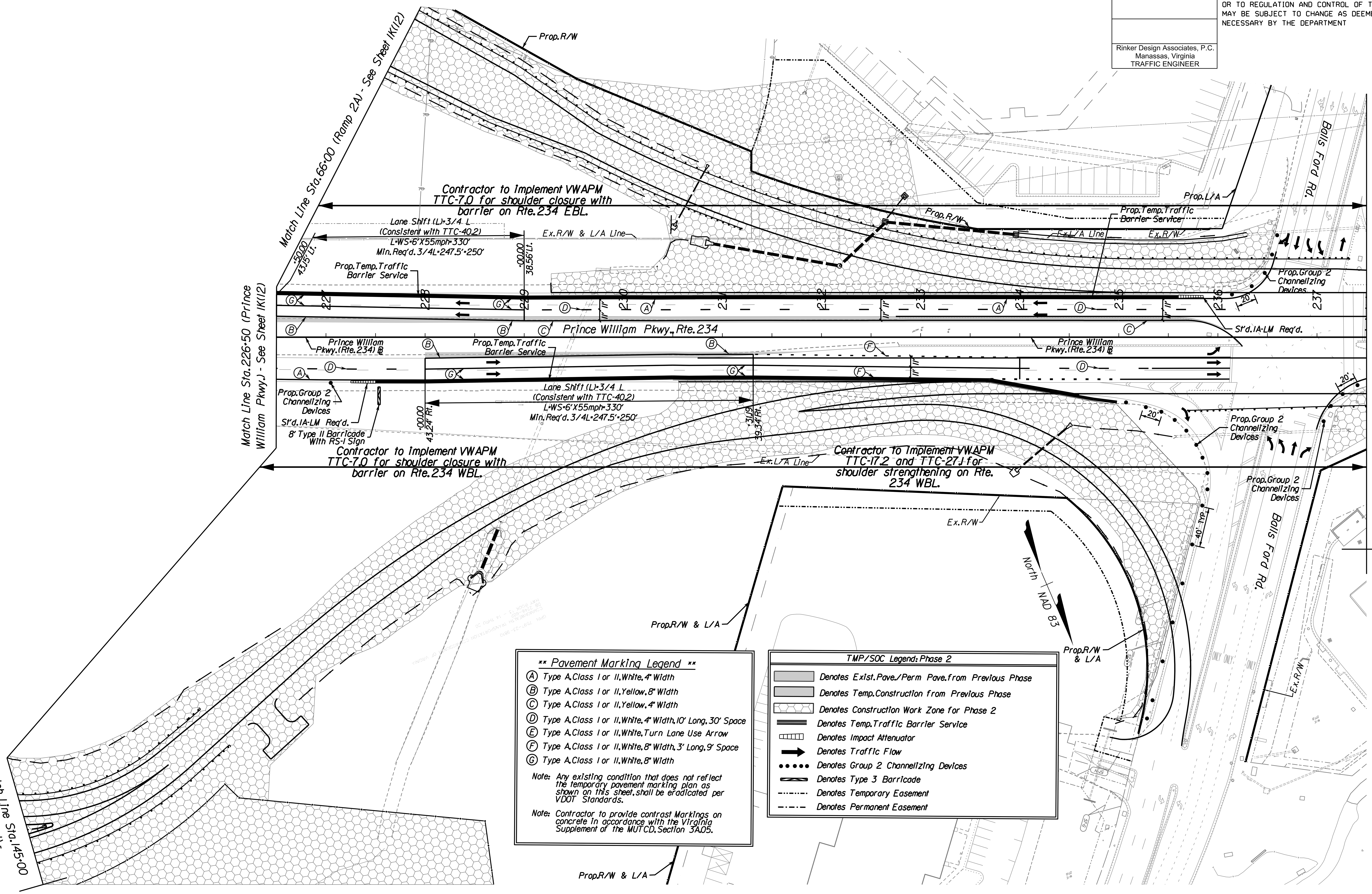
TMP/SOC PHASE 2

LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(17)

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

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



** Pavement Marking Legend **

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

TMP/SOC Legend: Phase 2

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
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- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Easement
- Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(17)

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

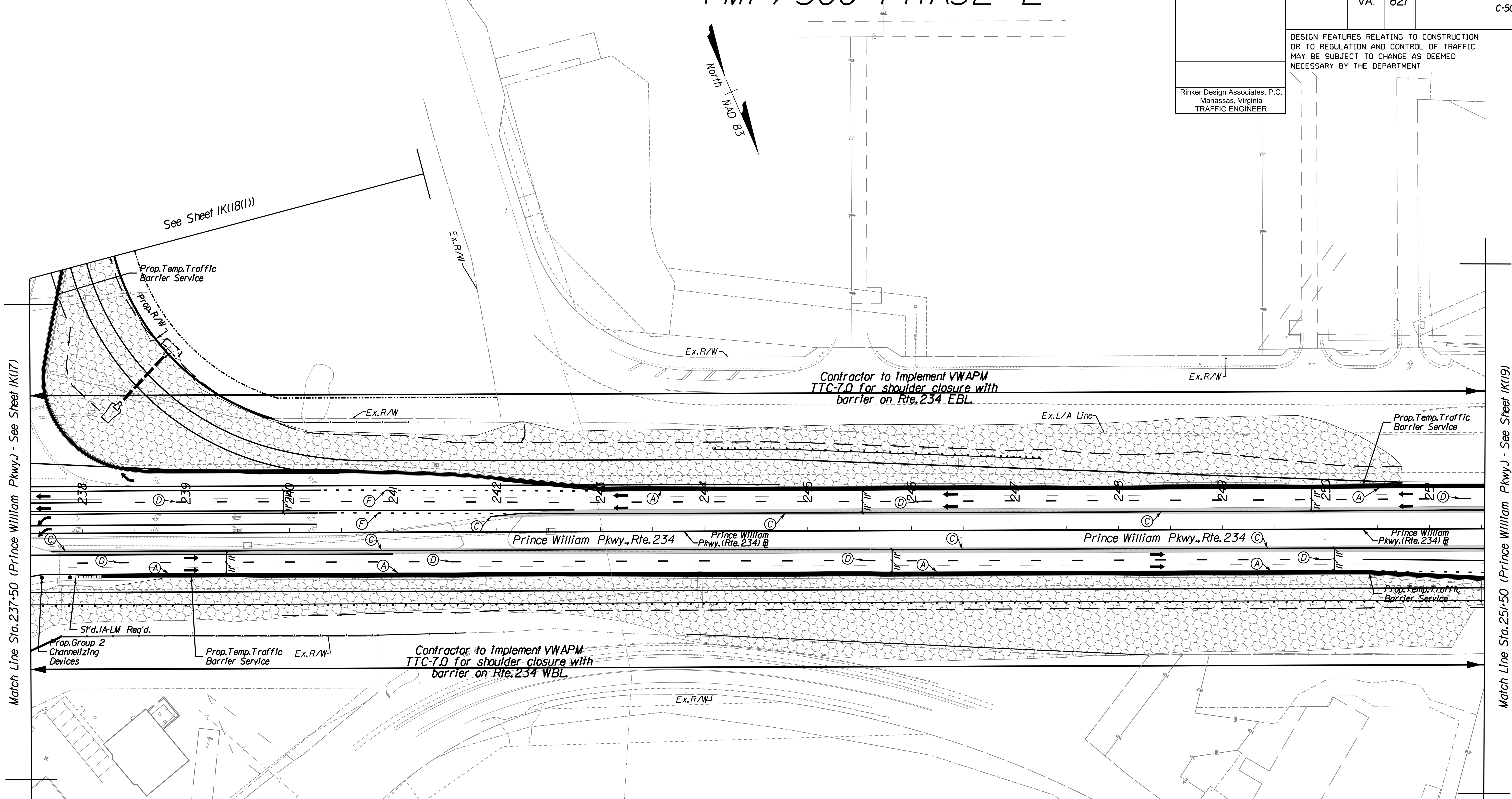
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK(18)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 2



Ex.R/W & L/A Line

TMP/SOC Legend: Phase 2

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**** Pavement Marking Legend ****

- (A) Type A, Class I or II, White, 4" Width
- (B) Type A, Class I or II, Yellow, 8" Width
- (C) Type A, Class I or II, Yellow, 4" Width
- (D) Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- (E) Type A, Class I or II, White, Turn Lane Use Arrow
- (F) Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- (G) Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A05.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IK(18)

PH PLAN

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Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

TMP/SOC PHASE 2

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IK (18(1))

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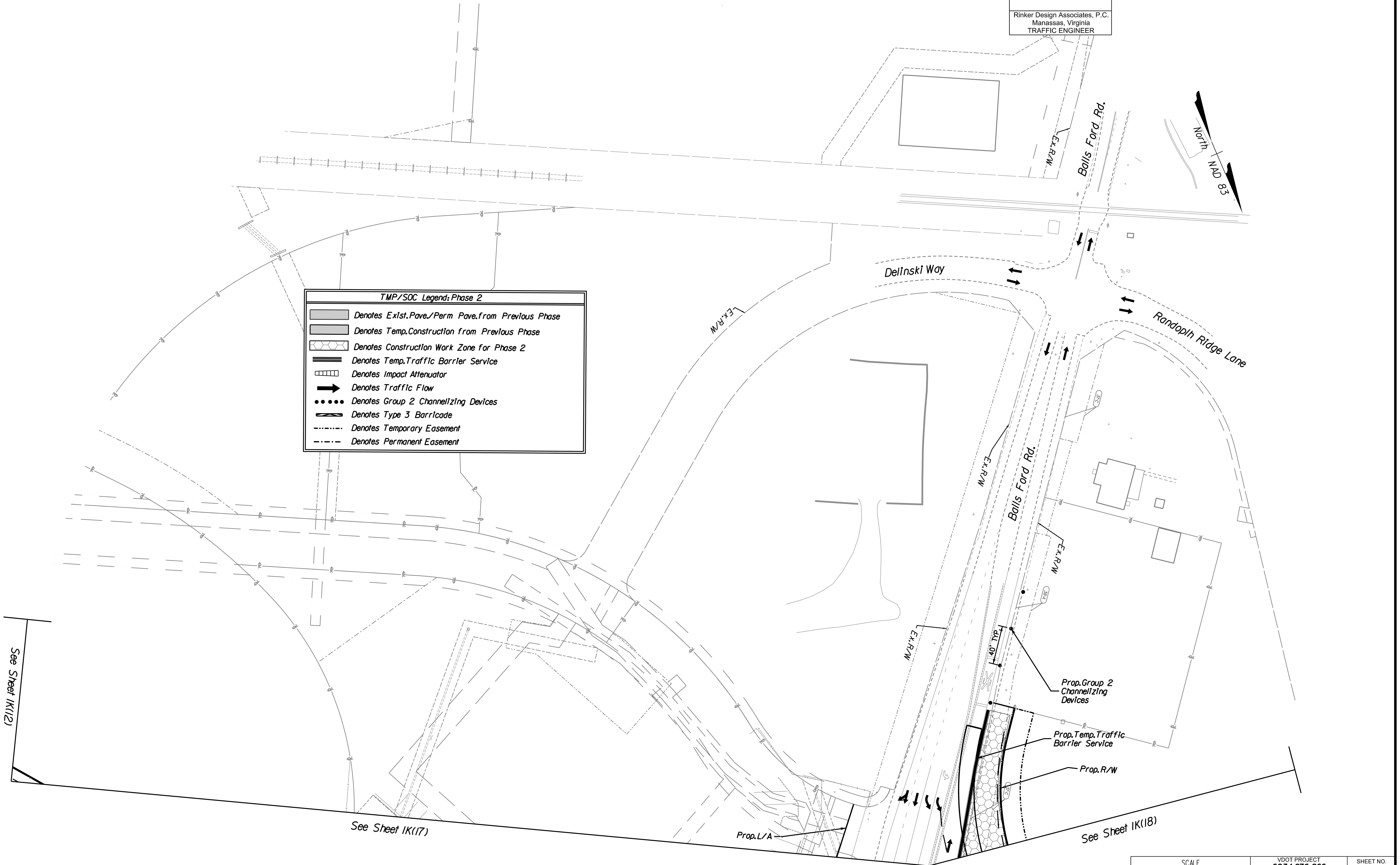
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER



SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IK(18(1))

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

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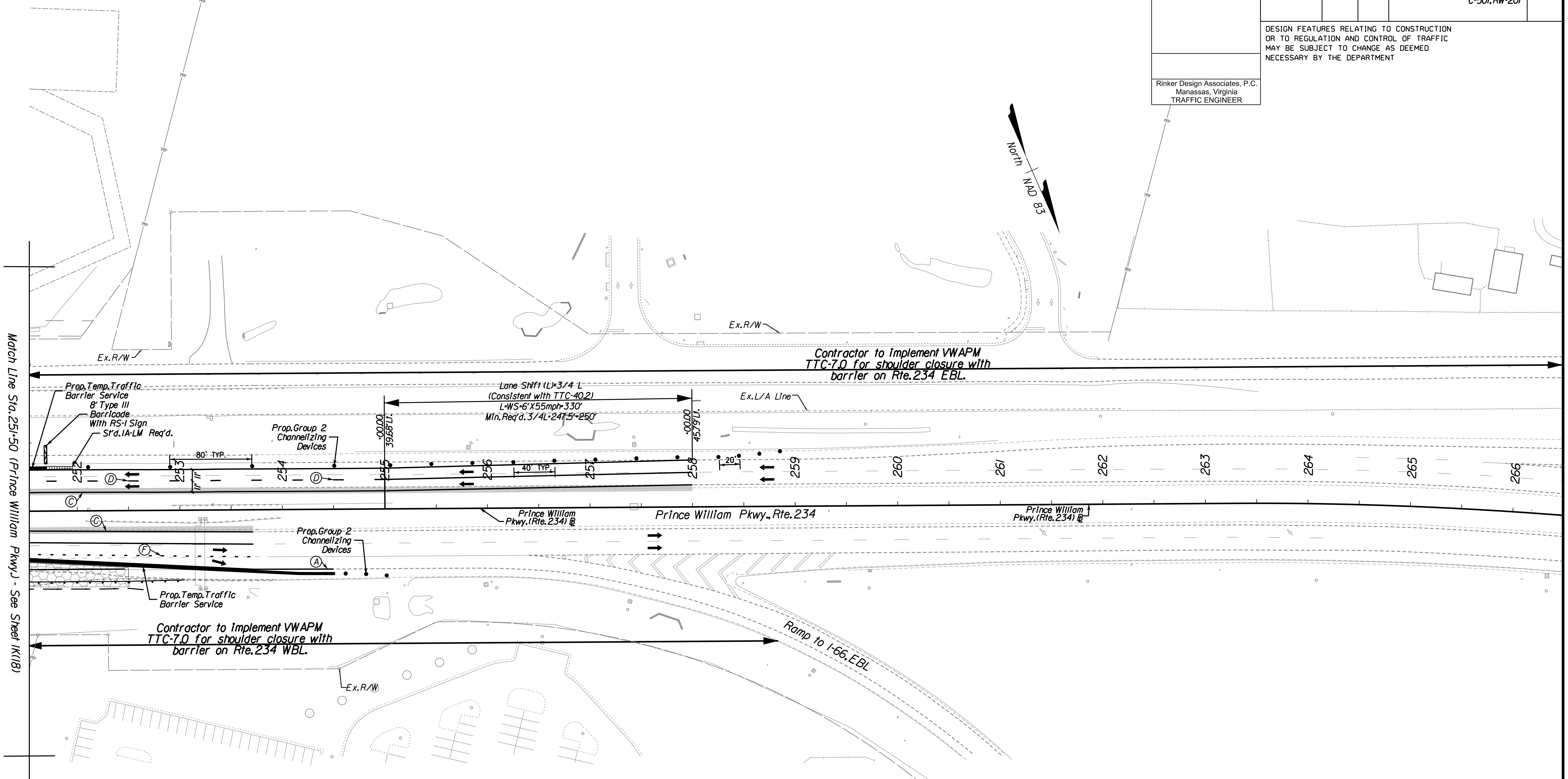
TMP/SOC PHASE 2

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1K(19)

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

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



TMP/SOC Legend: Phase 2
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Denotes Temp.Construction from Previous Phase
Denotes Construction Work Zone for Phase 2
Denotes Temp.Traffic Barrier Service
Denotes Impact Attenuator
Denotes Traffic Flow
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Denotes Type 3 Barricade
Denotes Temporary Easement
Denotes Permanent Easement

** Pavement Marking Legend **

- (A) Type A,Class I or II,White,4" Width
- (B) Type A,Class I or II,Yellow,8" Width
- (C) Type A,Class I or II,Yellow,4" Width
- (D) Type A,Class I or II,White,4" Width,10' Long,30' Space
- (E) Type A,Class I or II,White,Turn Lane Use Arrow
- (F) Type A,Class I or II,White,8" Width,3' Long,9' Space
- (G) Type A,Class I or II,White,8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1K(19)

PH PLAN

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Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1L(1)

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

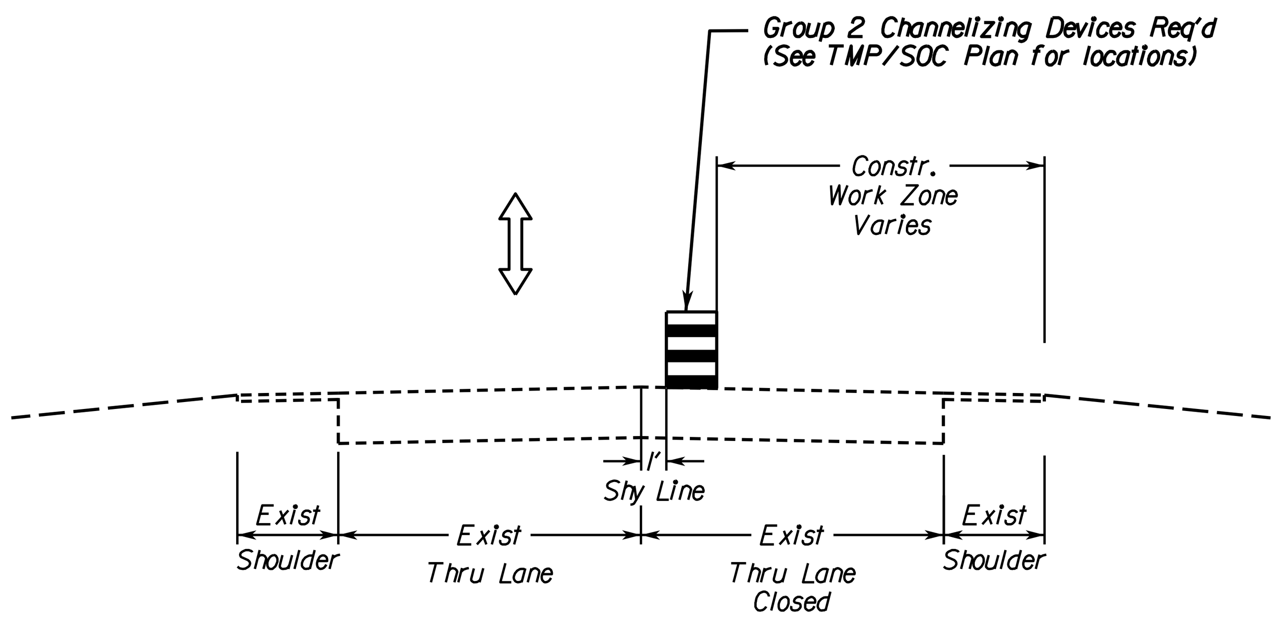
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 3 TYPICALS

Phase 3: Construction

(Not to Scale)

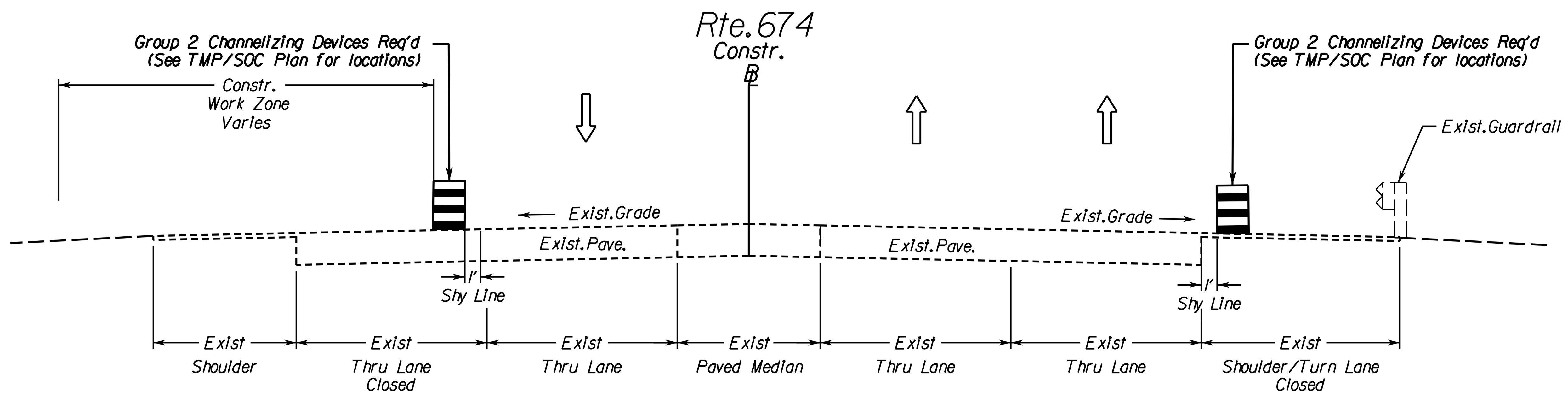


LOCATION	STATION	TO	STATION
Devlin Road	Existing		Existing

Note: Construction to be performed under TTC-23.2 (Flagger Service).

Phase 3: Construction

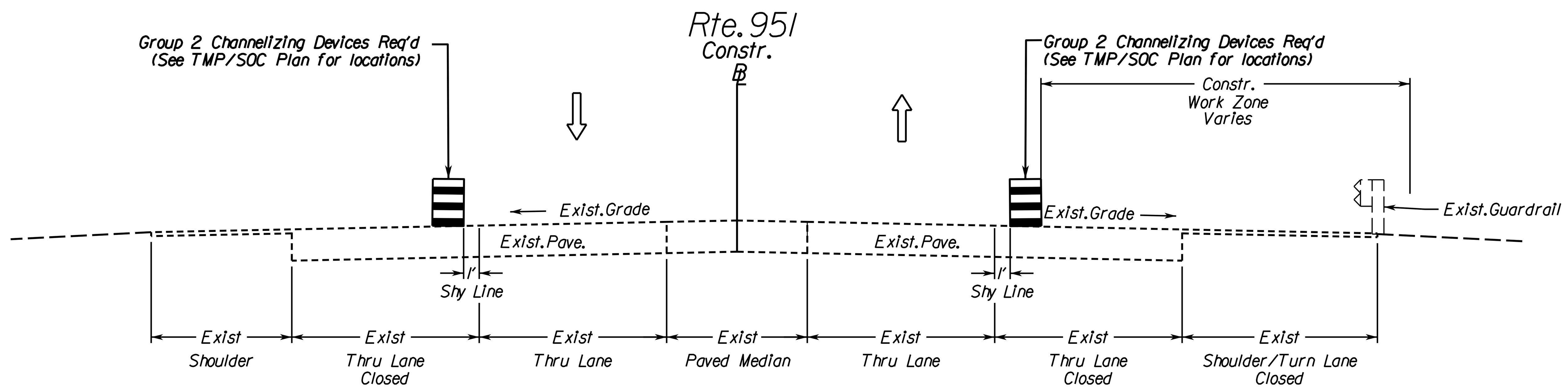
(Not to Scale)



LOCATION	STATION	TO	STATION
Wellington Road	510+50		519+00

Phase 3: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Wellingford Road	402+00		407+50

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1L(1)

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IL(5)

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

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

TMP/SOC PHASE 3

TMP/SOC Legend: Phase 3

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
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- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

Notes:

1. Advance Warning signs and Group II channelizing devices shall be placed per VWAPM TTC-16.2, including sign spacing, channelizing devices spacing and tapers. Sign sizes and colors shall be per VWAPM.
2. Contractor shall install all signs necessary for the MOT Plan within the existing Right of Way and/or Easements.
3. Contractor shall provide proper drainage at all times throughout construction.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101

SHEET NO. IL(5)

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

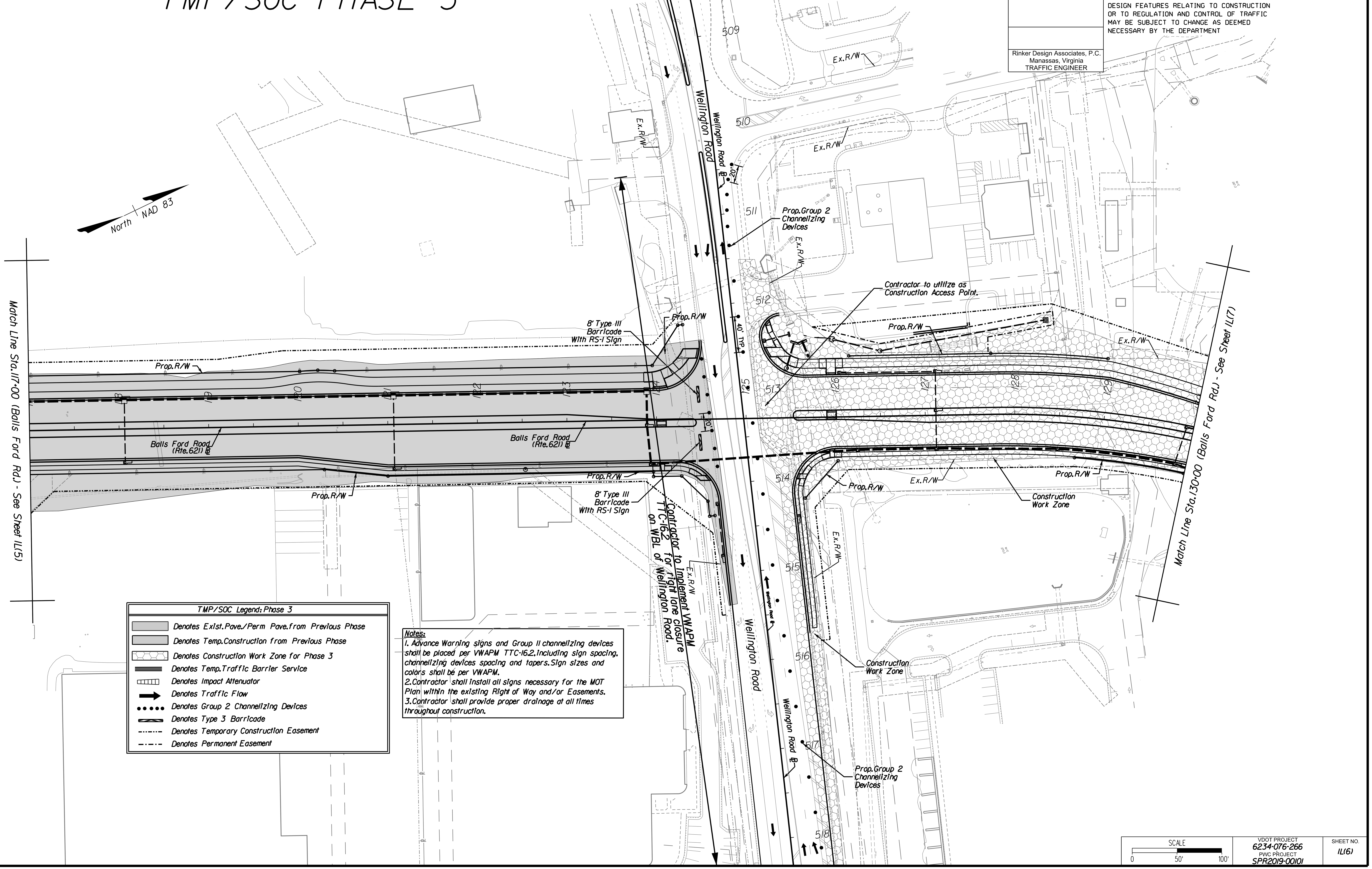
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IL(6)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE 3



TMP/SOC Legend: Phase 3

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- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 3
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

Notes:

1. Advance Warning signs and Group II channelizing devices shall be placed per VWAPM TTC-16.2, including sign spacing, channelizing devices spacing and tapers. Sign sizes and colors shall be per VWAPM.
2. Contractor shall install all signs necessary for the MOT Plan within the existing Right of Way and/or Easements.
3. Contractor shall provide proper drainage at all times throughout construction.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101

SHEET NO. IL(6)

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1L(7)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 3

TMP/SOC Legend: Phase 3

- Denotes Exist.Pave./Perm Pave.from Previous Phase
- Denotes Temp.Construction from Previous Phase
- Denotes Construction Work Zone for Phase 3
- Denotes Temp.Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

Notes:
1. Advance Warning signs and Group II channelizing devices shall be placed per VWAPM TTC-16.2, including sign spacing, channelizing devices spacing and tapers. Sign sizes and colors shall be per VWAPM.
2. Contractor shall install all signs necessary for the MOT Plan within the existing Right of Way and/or Easements.
3. Contractor shall provide proper drainage at all times throughout construction.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1L(7)

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering · Surveying · Land Planning · Transportation · Environmental · Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 4 TYPICALS

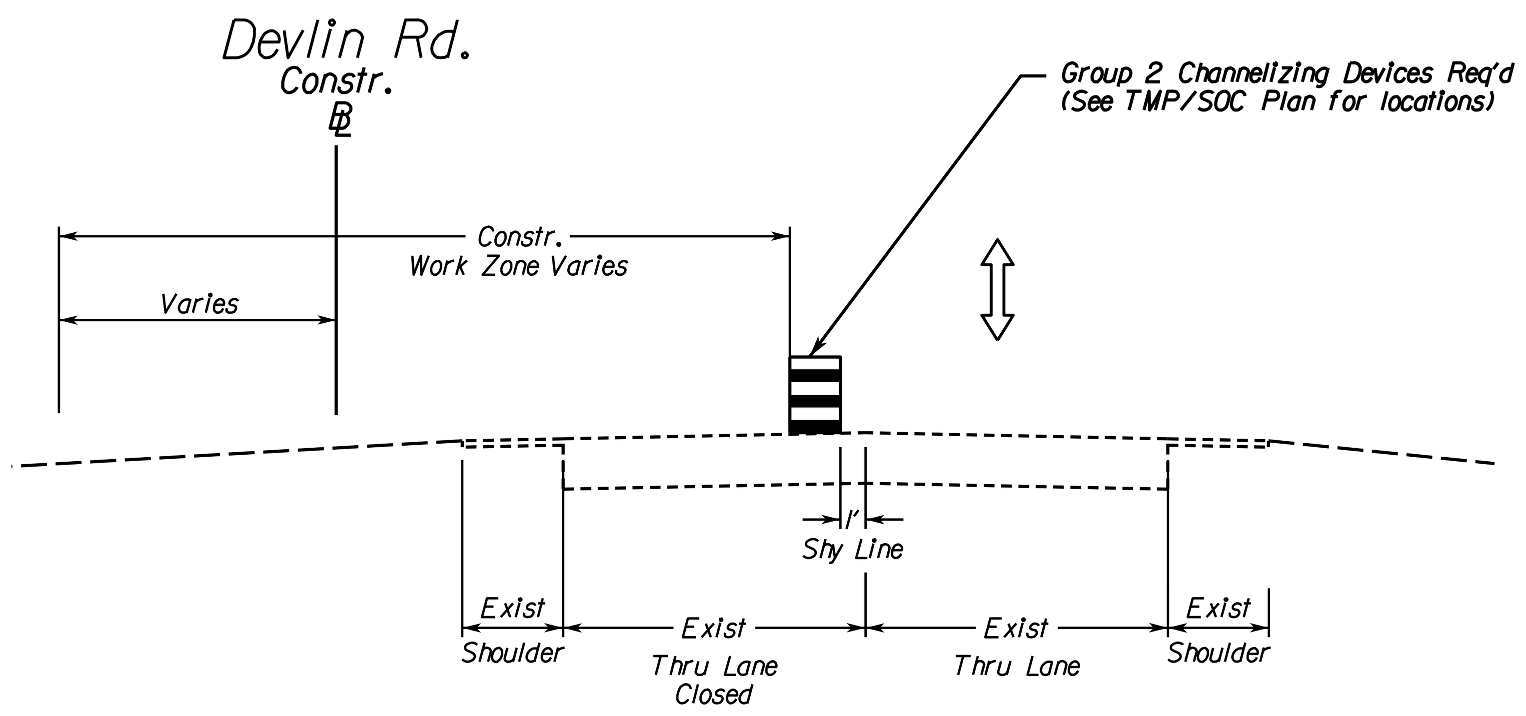
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1M(1)

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

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

Phase 4: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Devlin Road	101+00		109+00

Note: Construction to be performed under TTC-23.2 (Flagger Service).

Rinker Design Associates, P.C.
Civil Engineering · Surveying · Land Planning
Transportation · Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 1M(1)

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IM(5)

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 4

TMP/SOC Legend: Phase 4

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 4
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

Notes:

1. Advance Warning signs and Group II channelizing devices shall be placed per VWAPM TTC-23.2, including sign spacing, channelizing devices spacing and tapers. Sign sizes and colors shall be per VWAPM.
2. Contractor shall install all signs necessary for the MOT Plan within the existing Right of Way and/or Easements.
3. Contractor shall provide proper drainage at all times throughout construction.
4. Contractor to see Sheet IM(7) for PCMS detour routes.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IM(5)

Rinker Design Associates, P.C.
Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IM(6)

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

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

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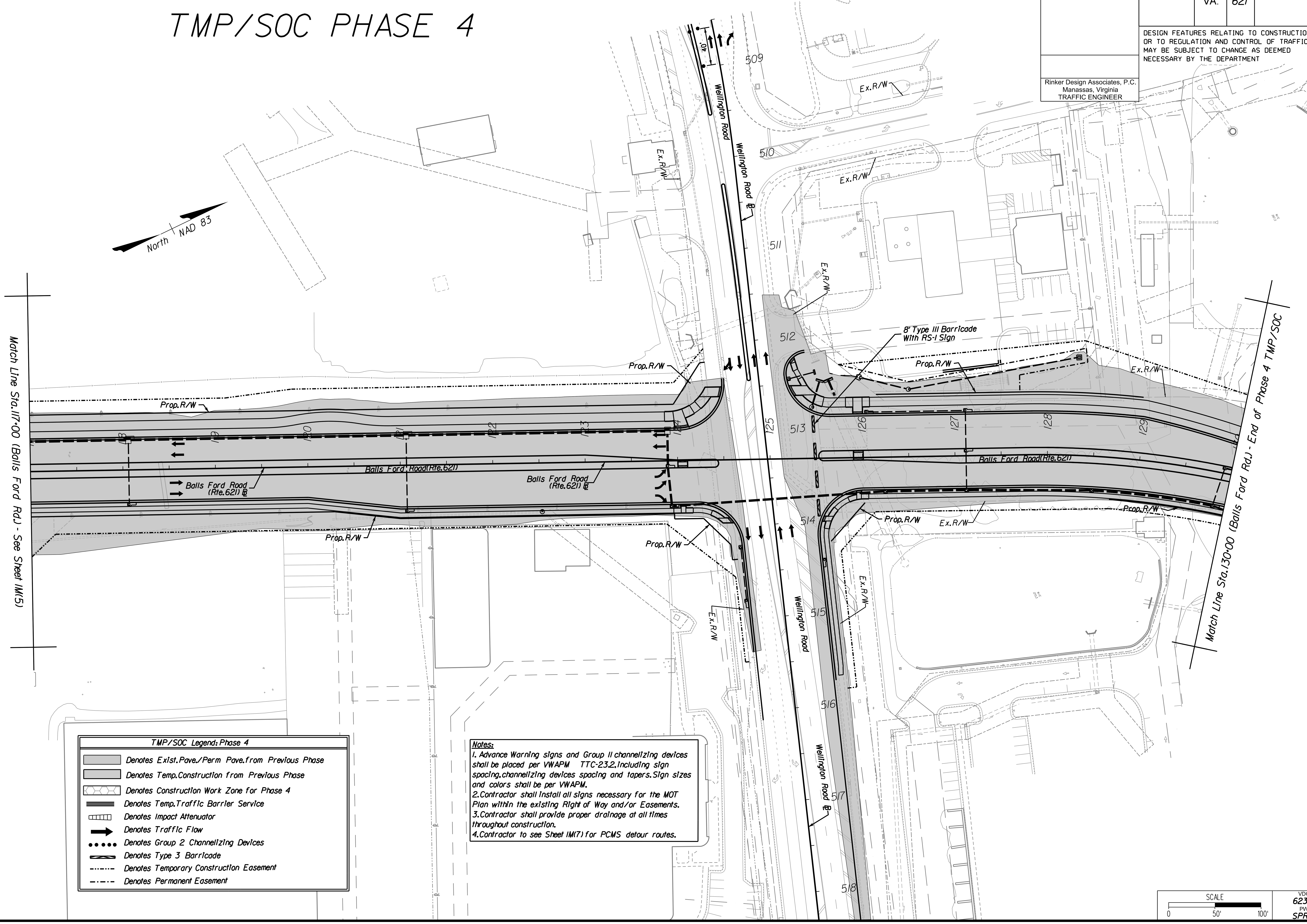
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 4



TMP/SOC Legend: Phase 4
Denotes Exist.Pave./Perm Pave.from Previous Phase
Denotes Temp.Construction from Previous Phase
Denotes Construction Work Zone for Phase 4
Denotes Temp.Traffic Barrier Service
Denotes Impact Attenuator
Denotes Traffic Flow
Denotes Group 2 Channelizing Devices
Denotes Type 3 Barricade
Denotes Temporary Construction Easement
Denotes Permanent Easement

Notes:
1. Advance Warning signs and Group II channelizing devices shall be placed per VWAPM TTC-23.2, including sign spacing, channelizing devices spacing and tapers. Sign sizes and colors shall be per VWAPM.
2. Contractor shall install all signs necessary for the MOT Plan within the existing Right of Way and/or Easements.
3. Contractor shall provide proper drainage at all times throughout construction.
4. Contractor to see Sheet IM(7) for PCMS detour routes.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IM(6)

Rinker Design Associates, P.C.
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NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IM(6(1))

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

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

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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

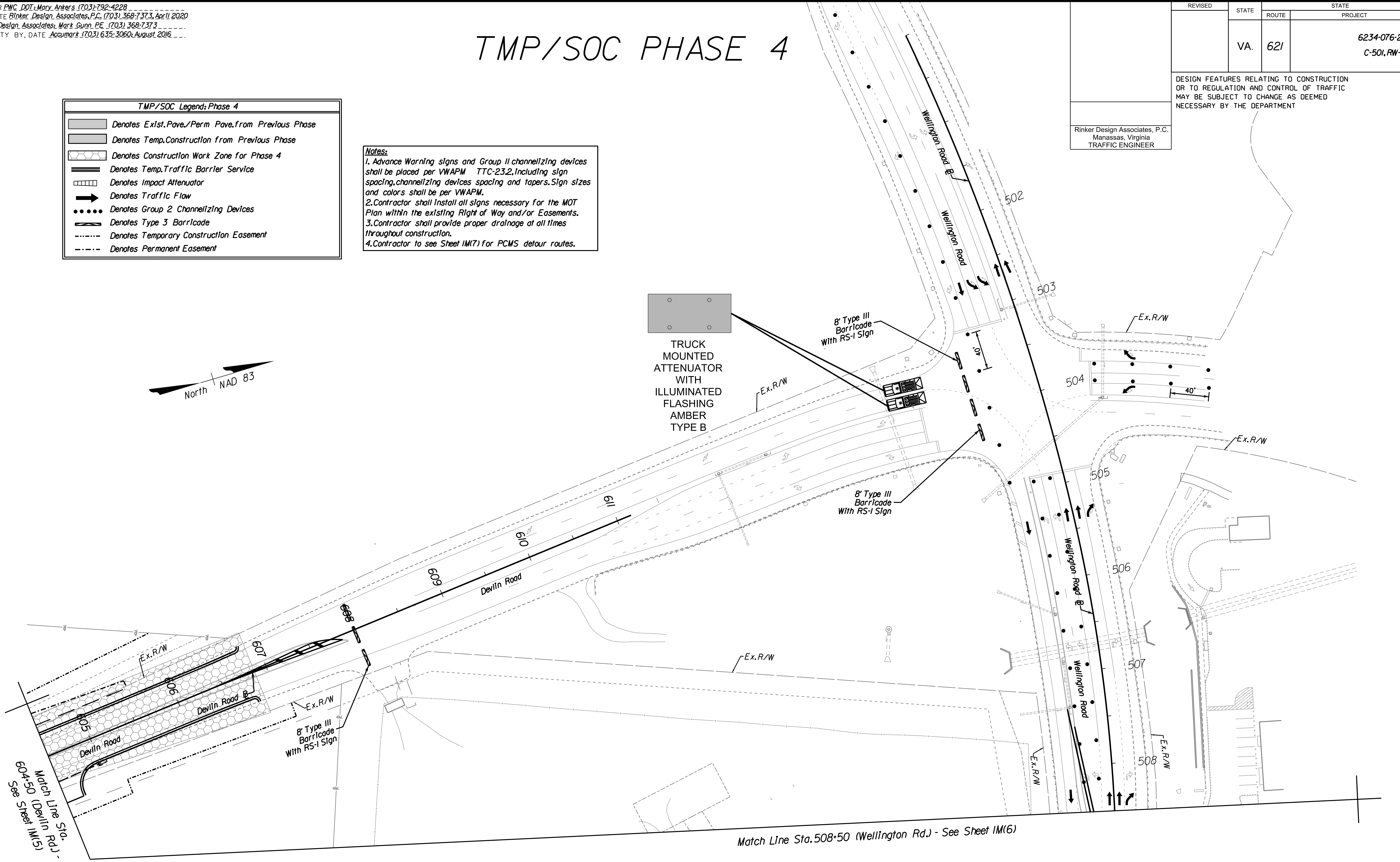
TMP/SOC PHASE 4

TMP/SOC Legend: Phase 4

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 4
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

Notes:

1. Advance Warning signs and Group II channelizing devices shall be placed per VWAPM TTC-23.2, including sign spacing, channelizing devices spacing and tapers. Sign sizes and colors shall be per VWAPM.
2. Contractor shall install all signs necessary for the MOT Plan within the existing Right of Way and/or Easements.
3. Contractor shall provide proper drainage at all times throughout construction.
4. Contractor to see Sheet IM(7) for PCMS detour routes.



SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IM(6(1))

PH PLAN

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Rinker Design Associates, P.C.
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Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

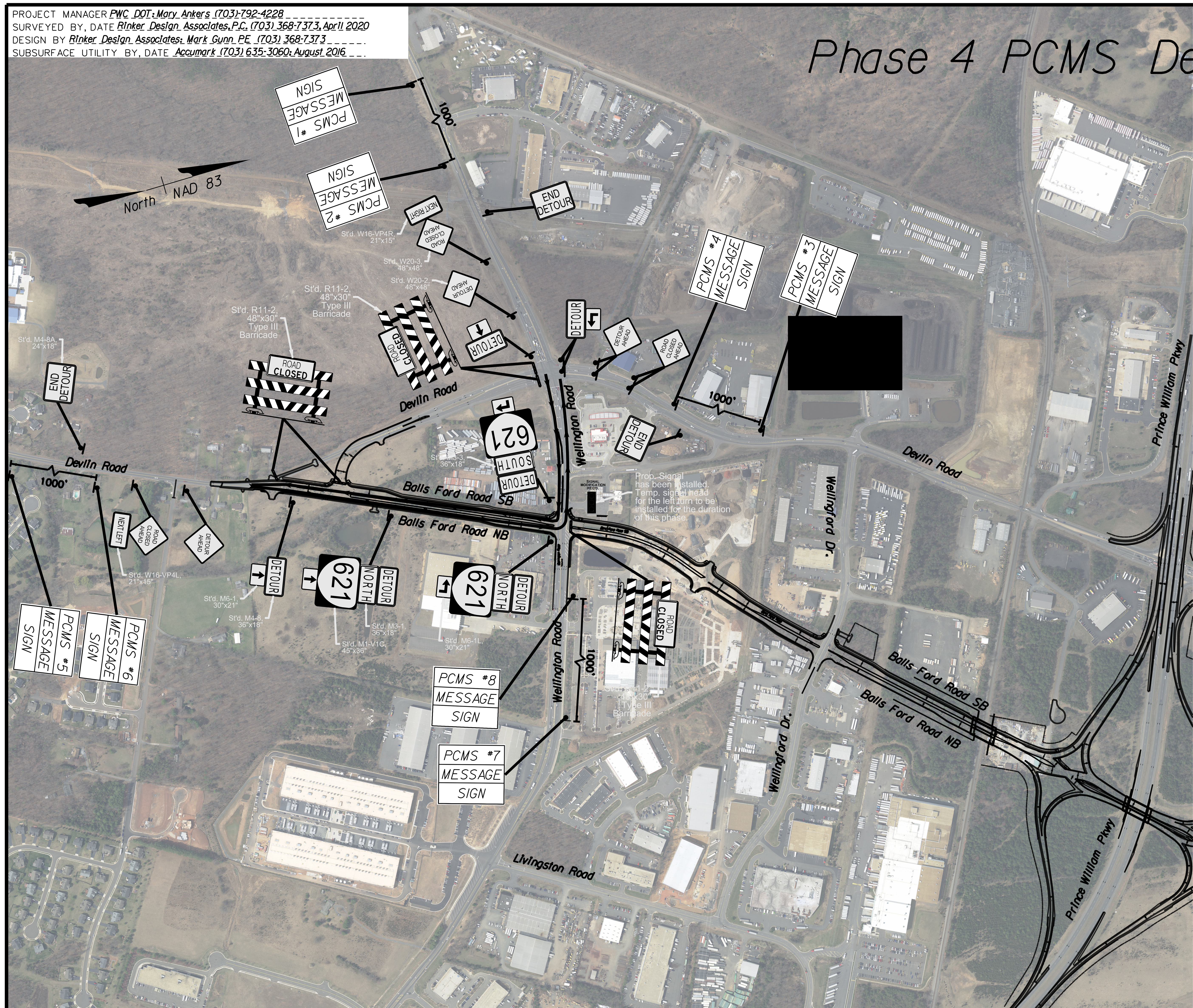
Phase 4 PCMS Detour Routes

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IM(7)

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

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



Office Locations

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

*** Date of Change =
Numeric Date in which Detour shall take effect.

Devlin Road Closed at Wellington Road

PCMS #5: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD MAJ ROAD WORK	ON OR ABOUT (Date of Change)***	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #5: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD AT WELLINGTON TO CLOSE	Not Used	Not Used

Devlin Road Closed at Wellington Road

PCMS #6: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON	USE ALT ROUTES	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #6: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON	FOLLOW DETOUR AHEAD	USE WELLINGTON ROAD WB

*** Date of Change =
Numeric Date in which Detour shall take effect.

Devlin Road Closed at Wellington Road

PCMS #7: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD MAJ ROAD WORK	ON OR ABOUT (Date of Change)***	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #7: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD TO CLOSE AT WELLINGTON RD	Not Used	Not Used

Devlin Road Closed at Wellington Road

PCMS #8: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON RD	USE ALT ROUTES	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #8: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON RD	FOLLOW DETOUR AHEAD	CONTINUE ON WELLINGTON ROAD WB

*** Date of Change =
Numeric Date in which Detour shall take effect.

Devlin Road Closed at Wellington Road

PCMS #1: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD MAJ ROAD WORK	ON OR ABOUT (Date of Change)***	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #1: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD AT WELLINGTON TO CLOSE	Not Used	Not Used

Devlin Road Closed at Wellington Road

PCMS #2: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON	USE ALT ROUTES	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #2: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON	FOLLOW DETOUR AHEAD	CONTINUE ON WELLINGTON ROAD EB

*** Date of Change =
Numeric Date in which Detour shall take effect.

Devlin Road Closed at Wellington Road

PCMS #3: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD MAJ ROAD WORK	ON OR ABOUT (Date of Change)***	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #3: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD AT WELLINGTON TO CLOSE	Not Used	Not Used

Devlin Road Closed at Wellington Road

PCMS #4: Location and Messages (ROAD CLOSED)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON	USE ALT ROUTES	Not Used

Devlin Road Closed at Wellington Road - CONTINUED

PCMS #4: Location and Messages (FOLLOW DETOUR)

PCMS shall be placed on the right shoulder, with four (4) Group 2 Channelizing Devices in accordance with the Virginia Work Area Protection Manual. Contractor shall coordinate with VDOT, all messages and location of PCMS sign. VDOT shall have final approval of all messages relayed to vehicles on travelway. ALL PCMS devices shall be capable of displaying a min. of 8 letters across the board at no additional cost to the project.

Note: To be installed at minimum fourteen (14) calendar days prior to closing of Devlin Road.

Panel 1 Message	Panel 2 Message	Panel 3 Message
DEVLIN RD CLOSED AT WELLINGTON	FOLLOW DETOUR AHEAD	USE WELLINGTON ROAD EB

Notes:
1. Contractor shall install all signs necessary for the Detour Plan within the existing Right of Way and/or Easements. Sign sizes and colors shall be per VWAPM.
2. Detour shown is to be implemented in coordination with TMPSOC Phase 4.
3. Contractor shall cover all signs used for the detour with non-transparent material during the non-work hours.
4. Devlin Road closed, local traffic shall be allowed only.

SCALE 0 400' 800'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IM(7)

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; August 2016

TMP/SOC PHASE 5 TYPICALS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1N(1)

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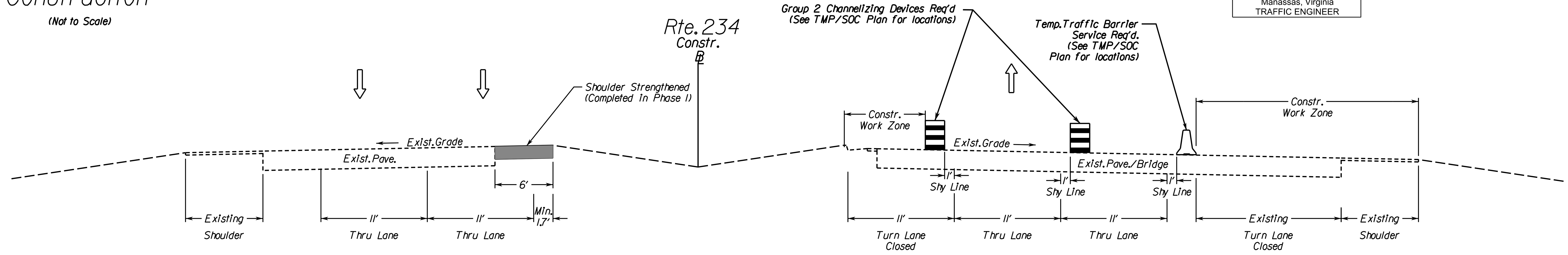
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

Phase 5: Construction

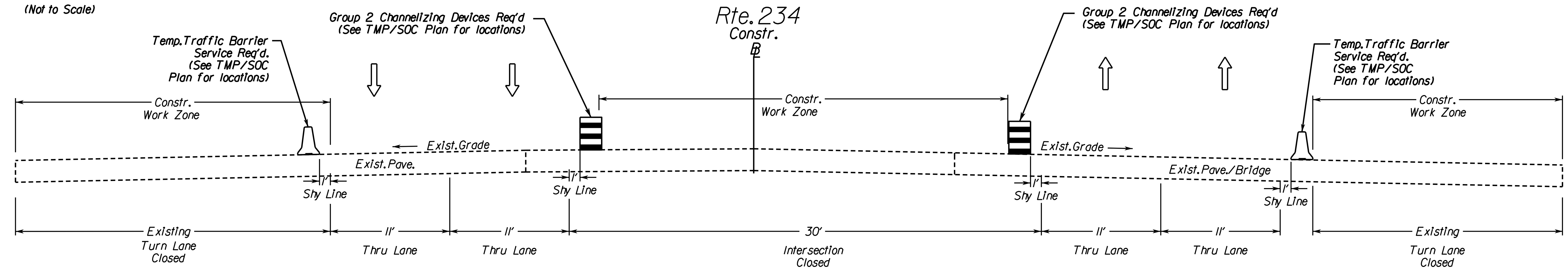
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	231+35		236+00

Phase 5: Construction

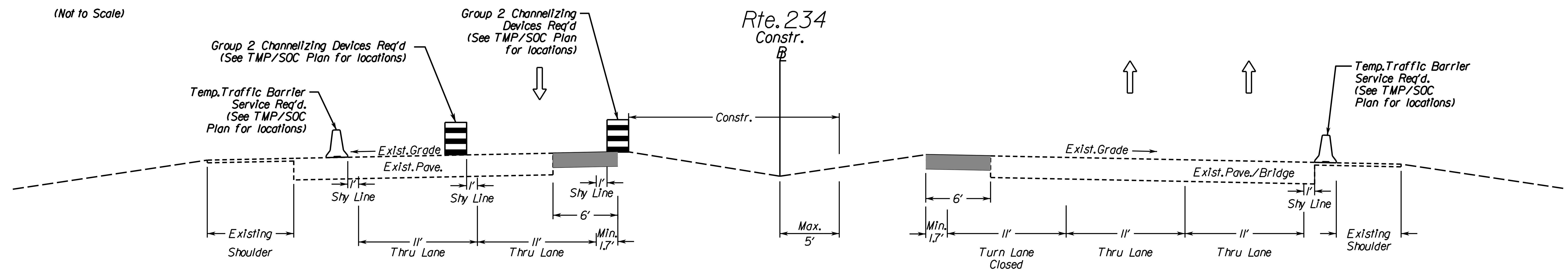
(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	236+20		242+50

Phase 5: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	242+50		255+00

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1N(1)

Rinker Design Associates, P.C.
LANE
NOVA DISTRICT DESIGN UNIT

PH PLAN

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SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE 5

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IN(12)

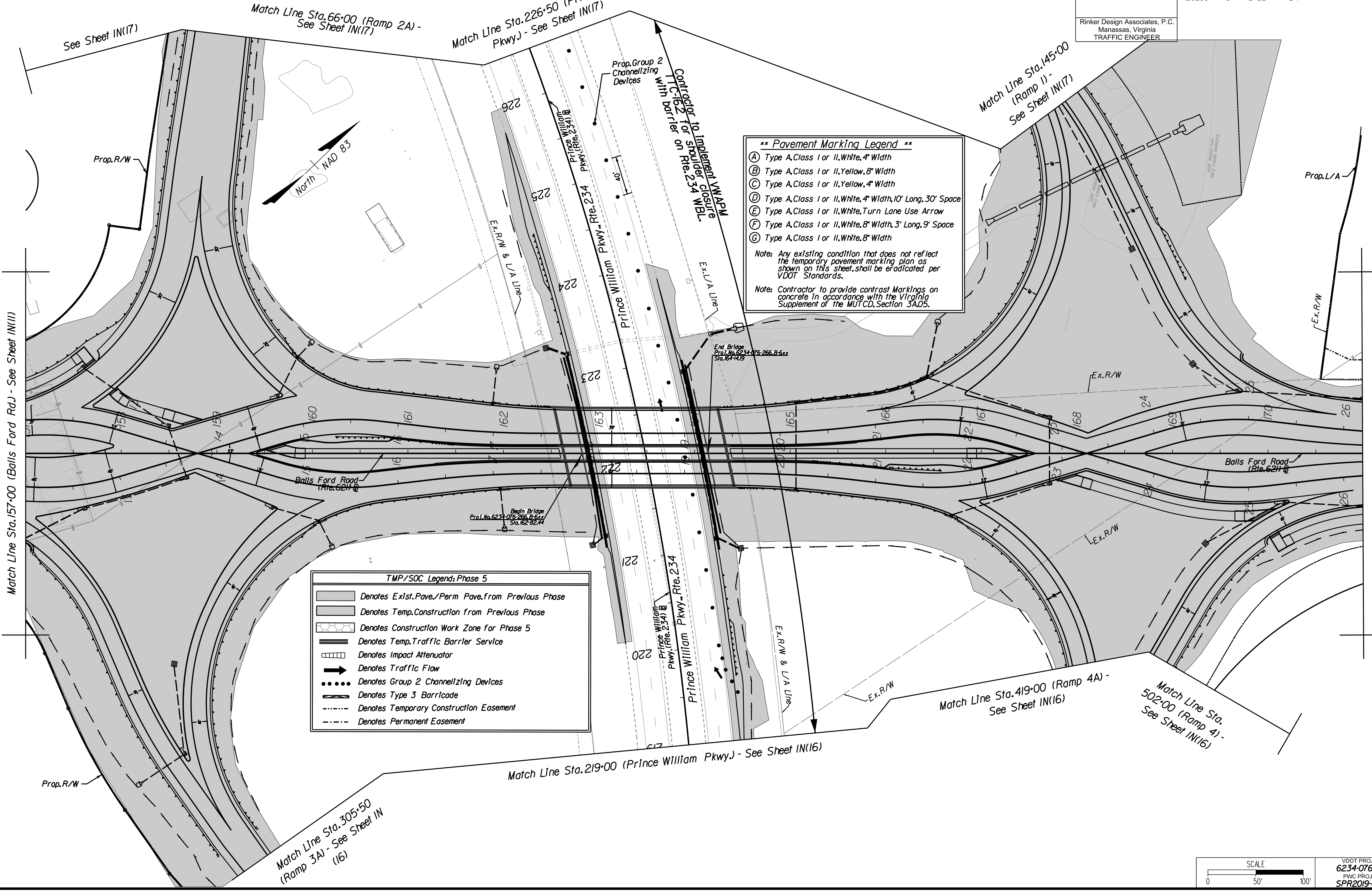
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT



** Pavement Marking Legend **

- Ⓐ Type A, Class I or II, White, 4" Width
- Ⓑ Type A, Class I or II, Yellow, 8" Width
- Ⓒ Type A, Class I or II, Yellow, 4" Width
- Ⓓ Type A, Class I or II, White, 4" Width, 10' Long, 30' Space
- Ⓔ Type A, Class I or II, White, Turn Lane Use Arrow
- Ⓕ Type A, Class I or II, White, 8" Width, 3' Long, 9' Space
- Ⓖ Type A, Class I or II, White, 8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A.05.

TMP/SOC Legend: Phase 5

- Denotes Exist. Pave./Perm Pave. from Previous Phase
- Denotes Temp. Construction from Previous Phase
- Denotes Construction Work Zone for Phase 5
- Denotes Temp. Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	IN(12)

PH PLAN

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PROJECT MANAGER PWC DOT; Mary Ankers (703) 792-4228
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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IN(17)

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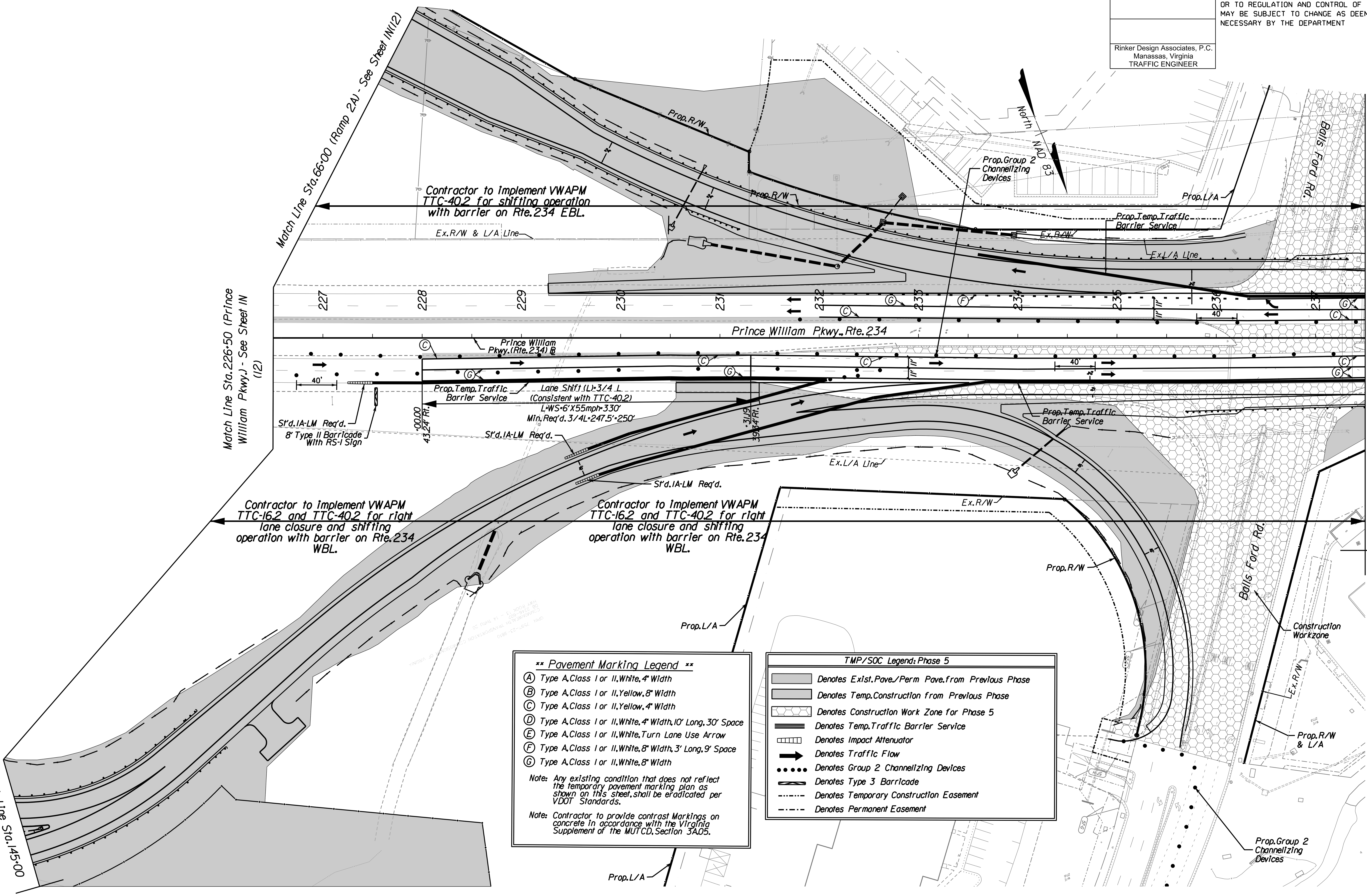
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

TMP/SOC PHASE 5



SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IN(17)

Rinker Design Associates, P.C.
Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

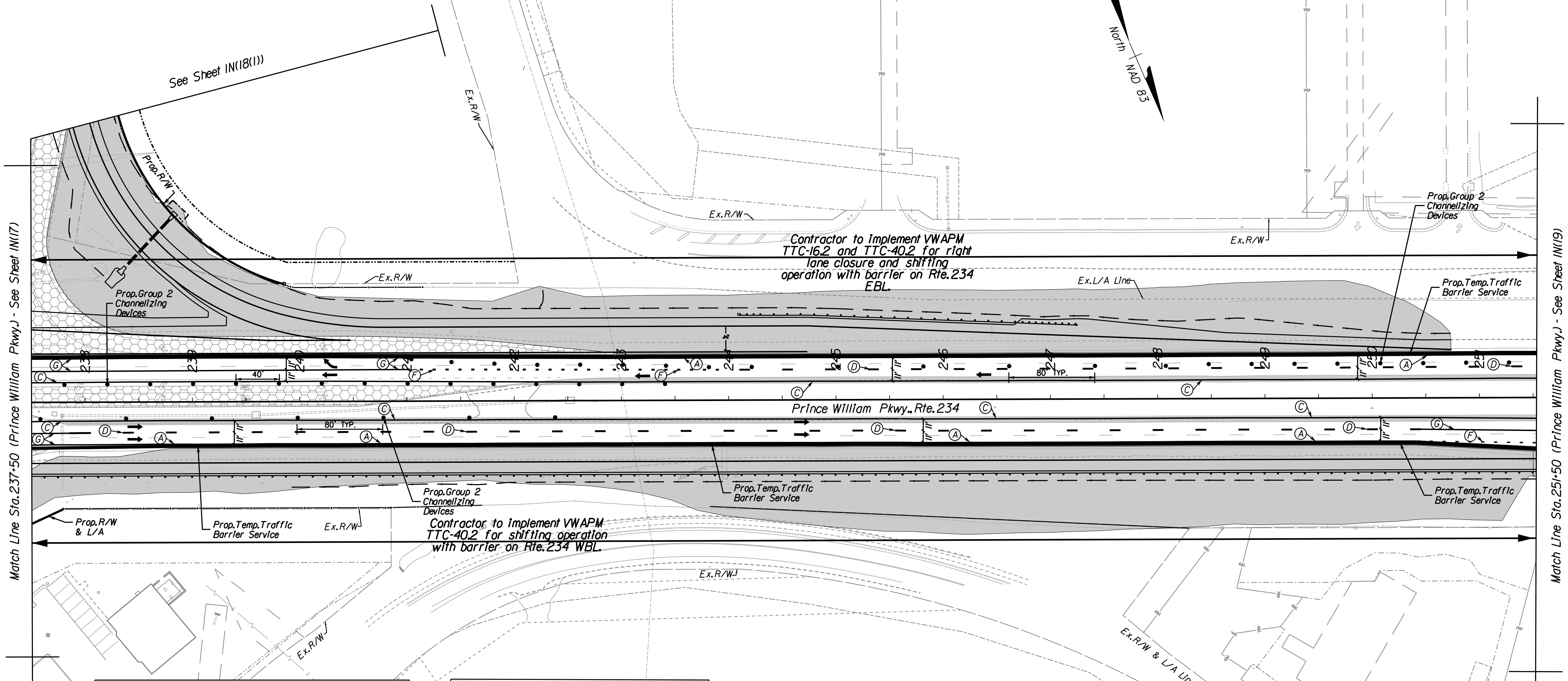
PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: August 2016

TMP/SOC PHASE 5

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IN(18)

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

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



TMP/SOC Legend: Phase 5

- Denotes Exist.Pave./Perm Pave.from Previous Phase
- Denotes Temp.Construction from Previous Phase
- Denotes Construction Work Zone for Phase 5
- Denotes Temp.Traffic Barrier Service
- Denotes Impact Attenuator
- Denotes Traffic Flow
- Denotes Group 2 Channelizing Devices
- Denotes Type 3 Barricade
- Denotes Temporary Construction Easement
- Denotes Permanent Easement

**** Pavement Marking Legend ****

- (A) Type A,Class I or II,White,4" Width
- (B) Type A,Class I or II,Yellow,8" Width
- (C) Type A,Class I or II,Yellow,4" Width
- (D) Type A,Class I or II,White,4" Width,10' Long,30' Space
- (E) Type A,Class I or II,White,Turn Lane Use Arrow
- (F) Type A,Class I or II,White,8" Width,3' Long,9' Space
- (G) Type A,Class I or II,White,8" Width

Note: Any existing condition that does not reflect the temporary pavement marking plan as shown on this sheet, shall be eradicated per VDOT Standards.

Note: Contractor to provide contrast Markings on concrete in accordance with the Virginia Supplement of the MUTCD, Section 3A05.

SCALE 0 50' 100'

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TMP/SOC PHASE 5

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IN (18(1))

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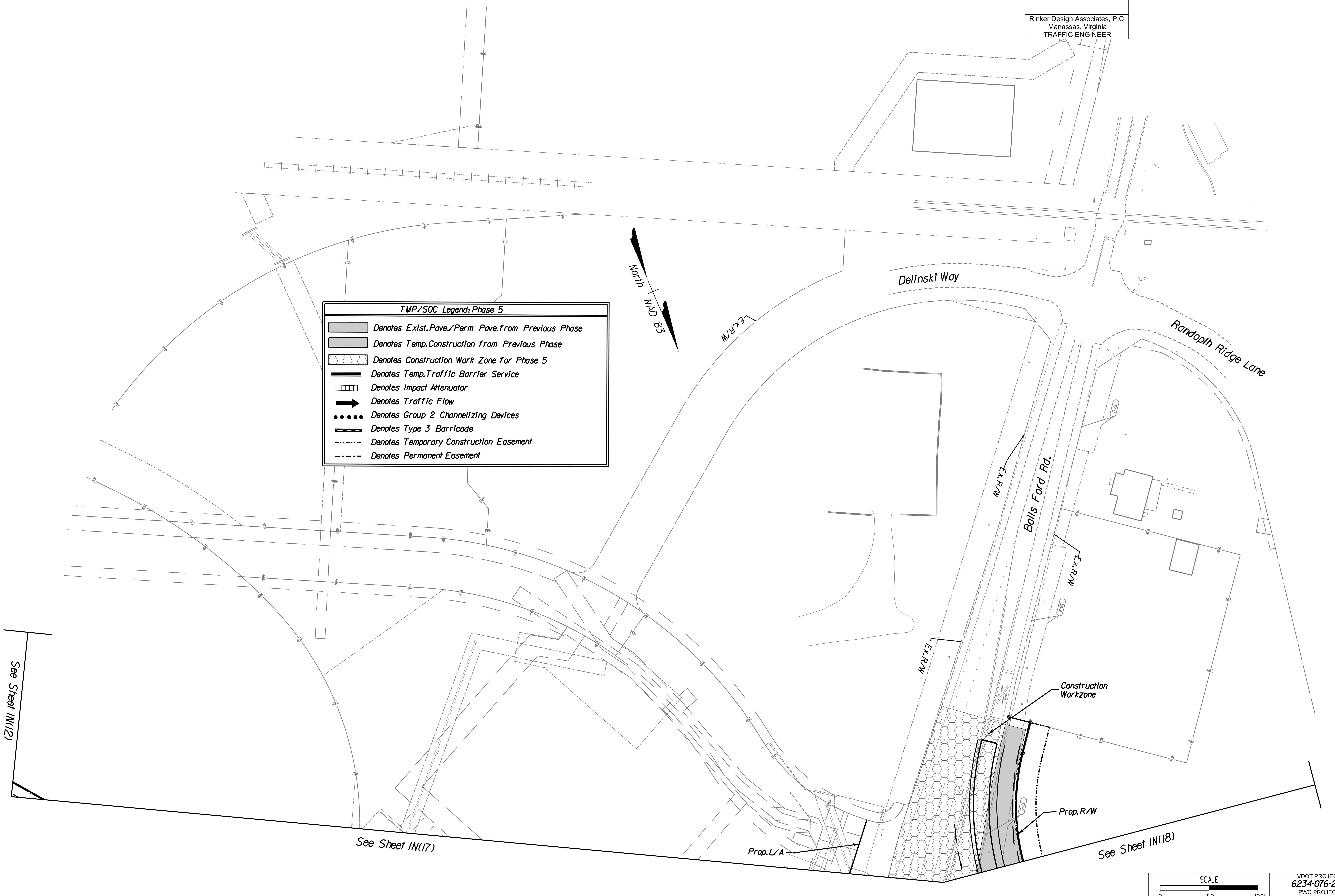

See Sheet IN(12)
See Sheet IN(17)
See Sheet IN(18)

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. IN(18(1))

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LANE

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TMP/SOC PHASE 5

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1N(19)

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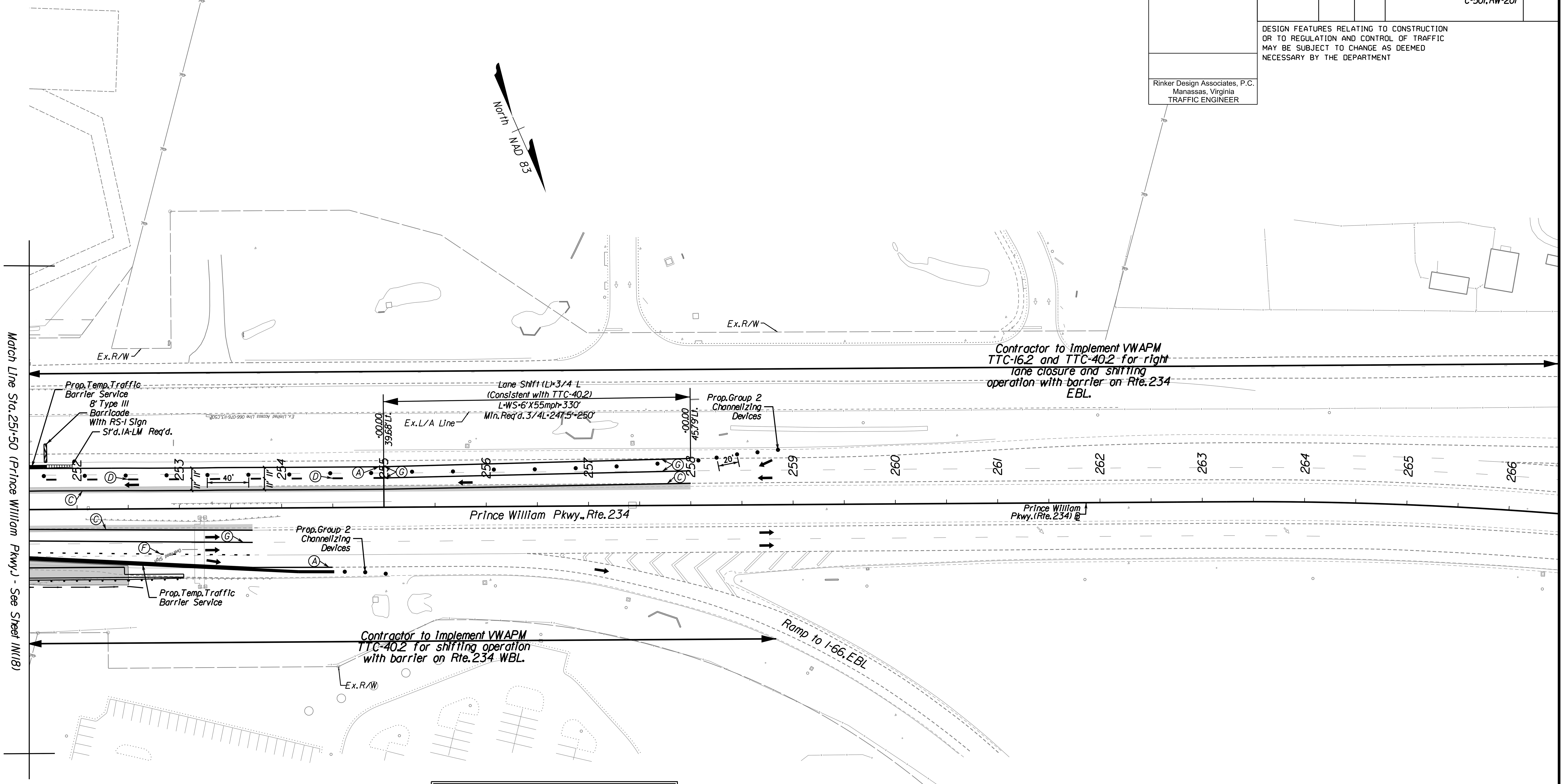

TMP/SOC Legend: Phase 5
Denotes Exist.Pave./Perm Pave.from Previous Phase
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SCALE 0 50' 100'

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	1N(19)

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NOVA DISTRICT DESIGN UNIT

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TMP/SOC PHASE 5A TYPICALS

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	10(1)

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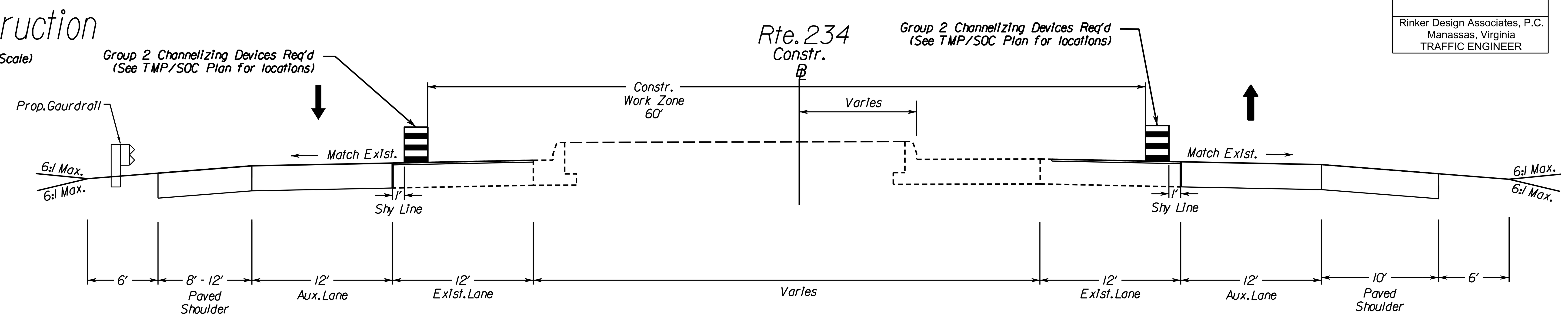
Rinker Design Associates, P.C.
Manassas, Virginia
TRAFFIC ENGINEER

Phase 5A: Construction

(Not to Scale)



LOCATION	STATION	TO	STATION
Prince William Parkway	230+40		242+60

Rinker Design Associates, P.C.
Office Locations
Civil Engineering · Surveying · Land Planning
Transportation · Environmental
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NOVA DISTRICT DESIGN UNIT

	VDOT PROJECT	SHEET NO.
	6234-076-266	10(1)
	PWC PROJECT SPR2019-00101	

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	10(12)

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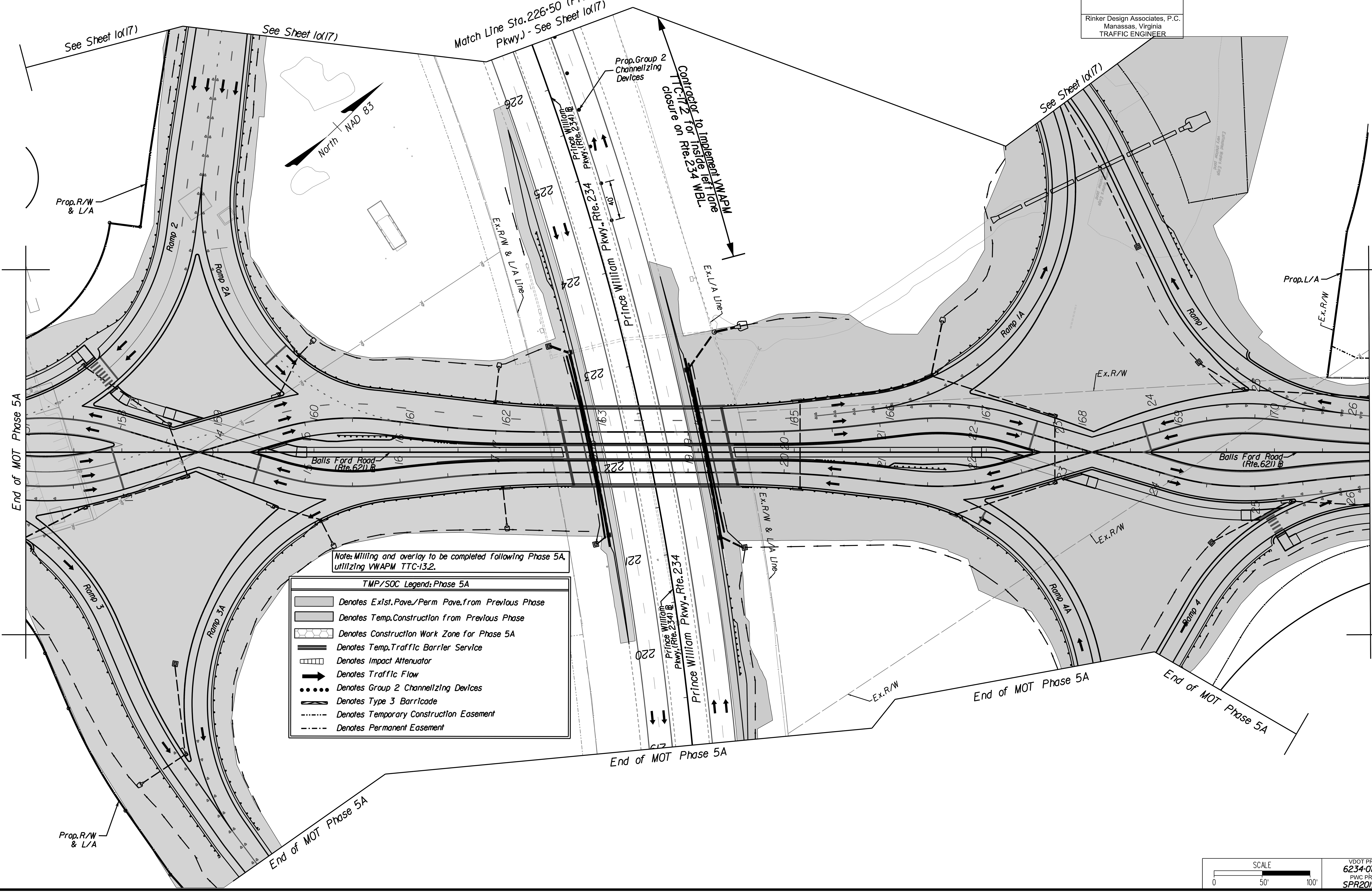
TMP/SOC PHASE 5A



Rinker Design Associates, P.C.

NOVA DISTRICT DESIGN UNIT

SCALE	VDOT PROJECT	SHEET NO.
0 50' 100'	6234-076-266 PWC PROJECT SPR2019-00101	10(12)

PH PLAN

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TMP/SOC PHASE 5A

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1a(17)

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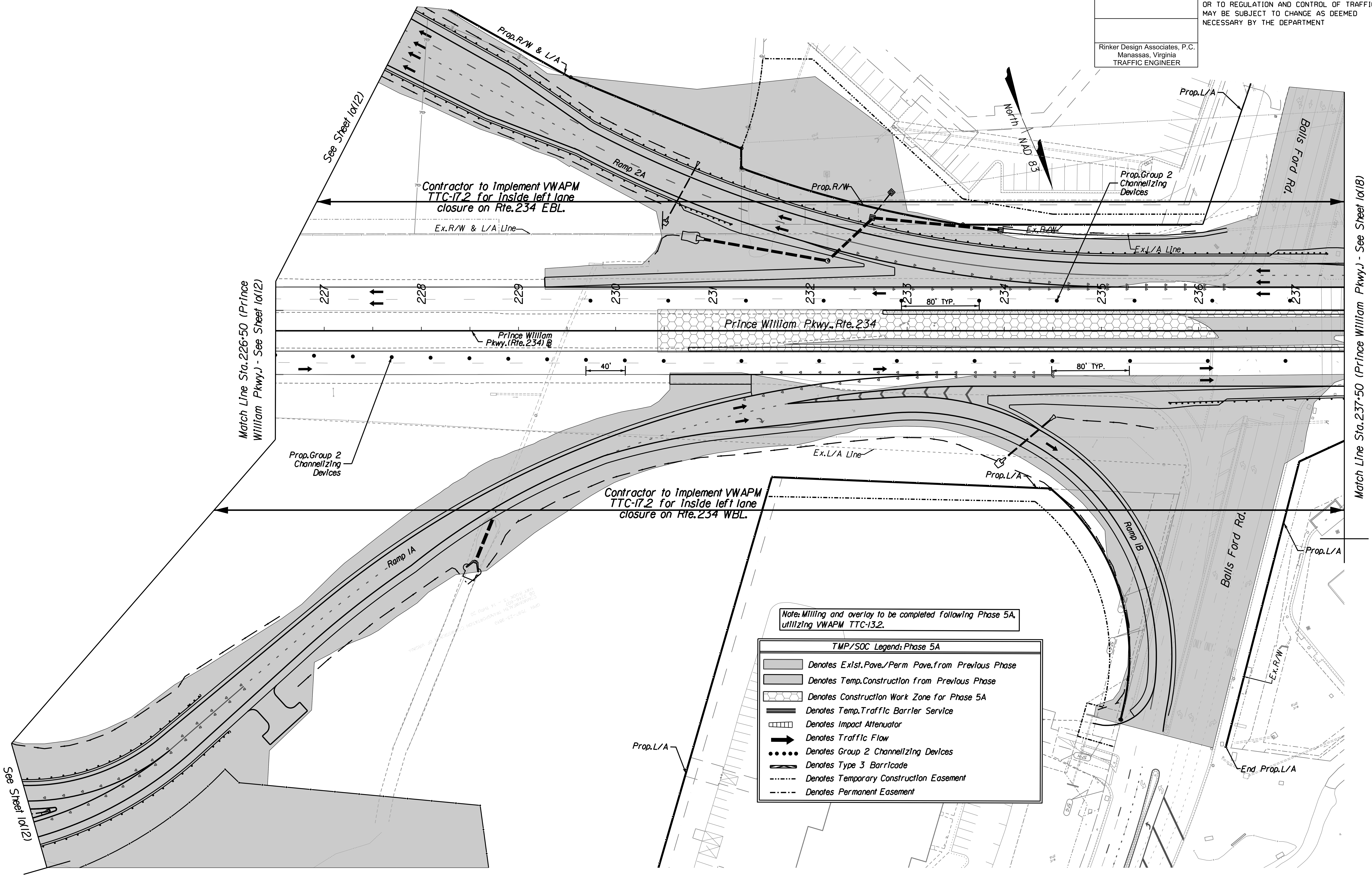

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1a(17)

PH PLAN

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TMP/SOC PHASE 5A

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	1d(18)

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Manassas, Virginia
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LANE

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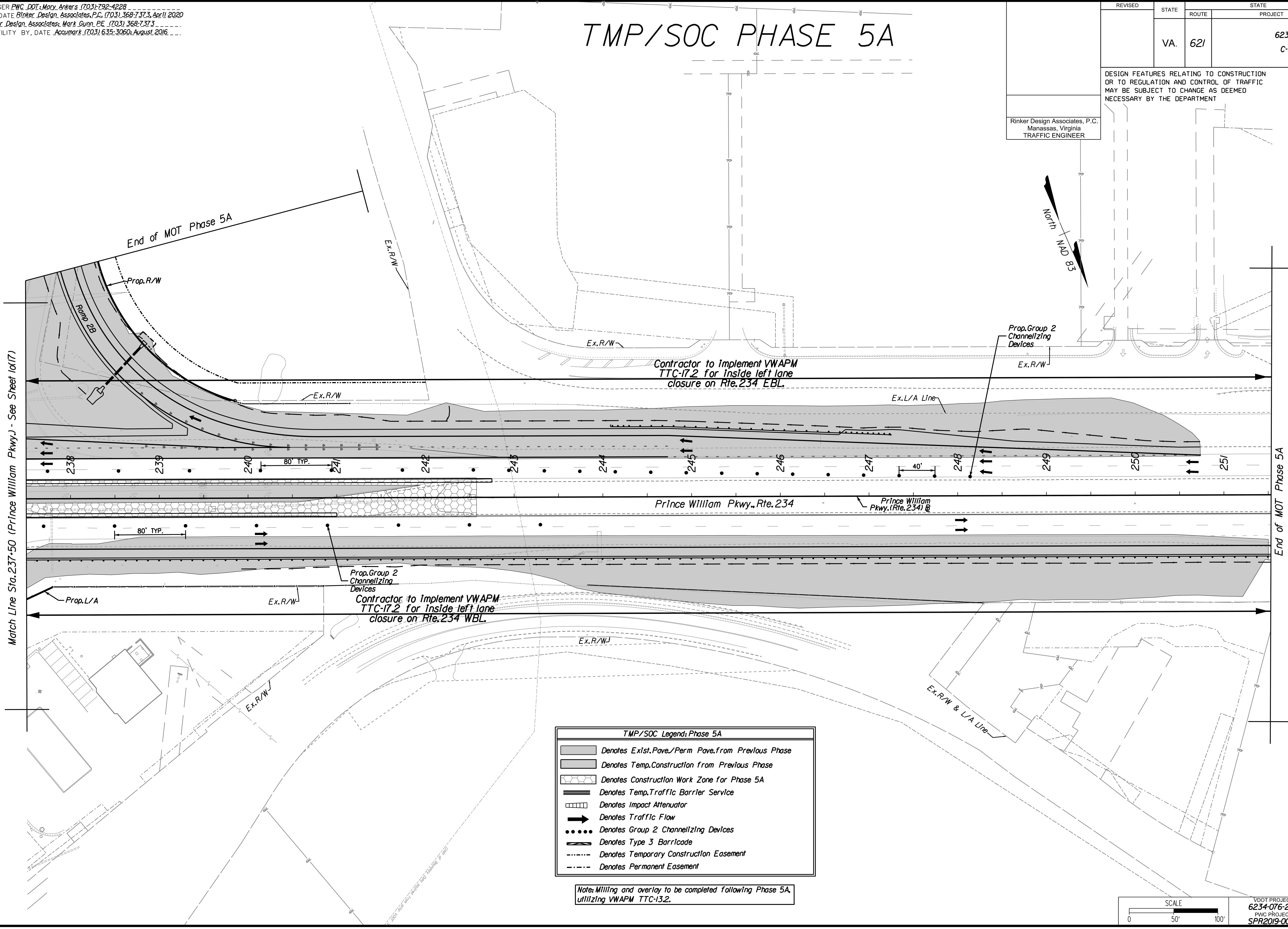

TMP/SOC Legend: Phase 5A
Denotes Exist.Pave./Perm Pave.from Previous Phase
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Denotes Impact Attenuator
Denotes Traffic Flow
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Denotes Type 3 Barricade
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Denotes Permanent Easement

Note: Milling and overlay to be completed following Phase 5A, utilizing VWAPM TTC-13.2.

SCALE 0 50' 100'

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 1d(18)

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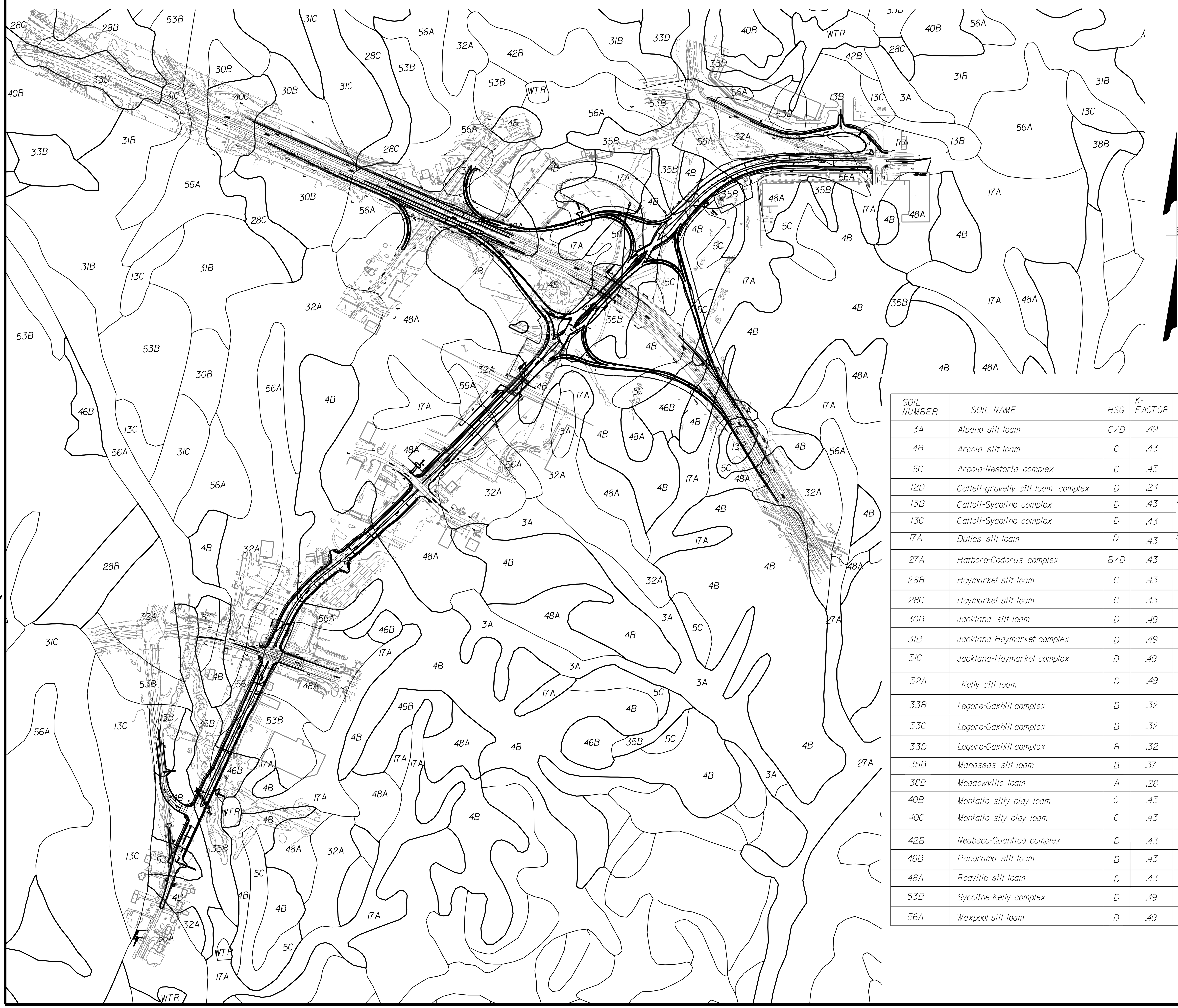
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	IP

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

Soils Map and Table



SOIL NUMBER	SOIL NAME	HSG	K-FACTOR	DRAINAGE CLASS	SLOPES	RUNOFF CLASS	DEPTH TO BEDROCK	FLOODING	SHRINK/SWELL	EROSION HAZARD
3A	Albano silt loam	C/D	.49	Poorly drained	0-4%	High	40-60"	None	Moderate	Slight
4B	Arcola silt loam	C	.43	Well drained	2-7%	High	20-40"	None	Low	Slight
5C	Arcola-Nestoria complex	C	.43	Well drained	7-15%	High/Very High	20-40"/10-20"	None	Low/Very Low	Moderate
12D	Catlett-gravelly silt loam complex	D	.24	Well drained	15-25%	Very High	10-20"	None	Low	Severe
13B	Catlett-Sycoline complex	D	.43	Moderately well drained	2-7%	Very High/High	10-20"/20-40"	None	Very Low/Low	Slight
13C	Catlett-Sycoline complex	D	.43	Moderately well drained	7-15%	Very High/High	10-20"/20-40"	None	Very Low/Low	Slight
17A	Dulles silt loam	D	.43	Somewhat poorly drained	0-2%	-	40-42"	None	Low	Slight
27A	Hatboro-Codorus complex	B/D	.43	Poorly drained	0-2%	Low	>80"	Frequent	Moderate	Slight
28B	Haymarket silt loam	C	.43	Well drained	2-7%	High	>80"	None	Moderate	Moderate
28C	Haymarket silt loam	C	.43	Well drained	7-15%	High	>80"	None	Moderate	Severe
30B	Jackland silt loam	D	.49	Moderately well drained	2-7%	Very High	>80"	None	Moderate	Slight
31B	Jackland-Haymarket complex	D	.49	Moderately well drained	2-7%	Very High	>80"	None	High	Moderate
31C	Jackland-Haymarket complex	D	.49	Moderately well drained	7-15%	Very High	>80"	None	Moderate	Moderate
32A	Kelly silt loam	D	.49	Moderately well drained	0-2%	High	40-60"	None	Moderate	Slight
33B	Legore-Oakhill complex	B	.32	Well drained	2-7%	Medium	>80"	None	Low	Moderate
33C	Legore-Oakhill complex	B	.32	Well drained	7-15%	Medium	>80"	None	Low	Severe
33D	Legore-Oakhill complex	B	.32	Well drained	15-25%	High	>80"	None	Low	Severe
35B	Manassas silt loam	B	.37	Moderately well drained	2-7%	Low	40-60"	Rare	Moderate	Slight
38B	Meadowville loam	A	.28	Well drained	0-5%	Very Low	>80"	None	Low	Moderate
40B	Montalto silty clay loam	C	.43	Well drained	2-7%	High	60-120"	None	Moderate	Moderate
40C	Montalto sily clay loam	C	.43	Well drained	7-15%	High	60-120"	None	Moderate	Severe
42B	Neabsco-Quantico complex	D	.43	Moderately well drained	2-7%	Very High	14-30"	None	Low	Moderate
46B	Panorama silt loam	B	.43	Well drained	2-7%	Medium	40-60"	None	Low	Moderate
48A	Reaville silt loam	D	.43	Somewhat poorly drained	0-4%	High	20-40"	None	Low	Slight
53B	Sycoline-Kelly complex	D	.49	Moderately well drained	2-7%	Very High	20-40"	None	Low	Moderate
56A	Waxpool silt loam	D	.49	Poorly drained	0-2%	Very High	>80"	None	Moderate	Slight

SCALE 0 400' 800'

VDOT PROJECT 6234-076-266 SHEET NO. IP

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

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	VA.	621	6234-076-266, C-501, RW-201	10

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*VSMP PERMIT TO BE OBTAINED AND MAINTAINED BY PRINCE WILLIAM COUNTY

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VPDES General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) issued July 1, 2019 and VDOT's approved Annual ESC and SWM Standards and Specifications.

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

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

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

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

* or ** Delegated Authority Signature"

Signature: ____
Printed Name: ____
Date: _______________

(1) See Section 1, Item 11 relating to delegation of authority, and form LD-445H (Delegation of Authority).

ACRONYMS

CBPA - Chesapeake Bay Preservation Act
BMP - Best Management Practice
DEQ - Department of Environmental Quality
EPA - U.S. Environmental Protection Agency
ESC - Erosion and Sediment Control
IIM - Instructional and Informational Memorandum
R&B - Road and Bridge
RLD - Responsible Land Disturber
SWPPP - Stormwater Pollution Prevention Plan
TMDL - Total Maximum Daily Load
VDOT - Virginia Department of Transportation
VPDES - Virginia Pollutant Discharge Elimination System
VSMP - Virginia Stormwater Management Program
VESCP - Virginia Erosion and Sediment Control Program
WLA - Waste Load Allocation
SWM - Stormwater Management

SECTION I GENERAL INFORMATION

1. Activity Description - The project is for the design and construction of a Diverging Diamond Interchange (DDI) at the Prince William Parkway (Rte. 234) and realigned Balls Ford Road (Rte. 621) in Prince William County. The Balls Ford Road realignment begins approximately 2,400 feet west of the existing Devlin Road / Wellington Road intersection and extends eastward approximately 6,800 feet, on new alignment, to the existing Balls Ford Road / Doane Drive intersection. The Balls Ford Road design corresponds with VDOT GS-6 (Urban Minor Arterial) Standards with a 45 miles per hour design speed.

2. This land disturbance (construction) activity site is located in Prince William County and approximately 90.24 acres will be disturbed by excavation, grading or other construction activities.

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

※※ 4. The location of on-site support facilities that will be covered under the VPDES Construction Permit coverage for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.

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

6. List the surface waters that have been identified as impaired in the DEQ 2012 305(b)/303(d) Water Quality Assessment Integrated Report for sediment, total suspended solids, turbidity, Nitrogen or Phosphorus. These pollutants are considered benthic impairments: (List the impaired surface waters, when applicable)
- Bull Run - impaired for recreational uses because of Escherichia coli.
- Broad Run - impaired for recreational uses because of Escherichia coli.
- Young's Branch - impaired for recreational uses because of Escherichia coli.

7. Identify the TMDL's where stormwater from construction activities discharges into a watershed with a TMDL waste load allocation established and approved by the State Water Control Board prior to July 1, 2016 for sediment, total suspended solids, turbidity, nitrogen or phosphorus:
N/A

8. This land disturbance activity discharges stormwater to the following surface waters that have been identified as exceptional in Section 9VAC25-260-30 A 3 c of the Virginia Administrative Code:
N/A

9. Locations of surface waters and locations where concentrated stormwater is discharged from this land disturbance (construction) activity are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity. (List name of surface waters and locations here if not shown in construction plan or other such documents).

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

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

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

※ 12. The name of the VDOT individual(s) responsible for the oversight inspection in accordance with IIM-LD-256 on these land disturbance construction activities as identified on these SWPPP General Information Sheets. The names will be updated and maintained with the other SWPPP documents for this land disturbance activity.

VDOT Individuals	Position	Responsibility
	NPDES	NPDES coordinator responsible for the oversight inspection in accordance with IIM-LD-256
	Dist. Hyd. Engineer	District Hydraulic Engineer or designee(s) responsible for the review & the coordination approval of ESC SWM plan modification(s).

※ 13. The ESC and P2 inspections for this land disturbing (construction) activity shall follow (Select Schedule 1 or 2, if schedule #2 is used, void note #14) as defined in 2016 R&B Specifications except for Section 107.16(e) 4.an Inspection Requirements Rain gauge notes apply only to Inspection Schedule 1.

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

The rain gage shall be observed daily at 10:00 AM to determine the occurrence of a measurable storm event (i.e., 0.25 inches of rainfall or greater in a 24 hour period). A log book shall be maintained to record observation information which shall include (1) the date, (2) the time, (3) whether or not rainfall is occurring at the time of the observation, (4) the amount of accumulated rainfall in the gage, if any, and (5) whether or not an inspection is required based on the amount of accumulated rainfall in the gage.
If there is no rainfall occurring at the time of the observation, the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.
If there is rainfall occurring at the time of the observation, the observation information is to be noted in the log book. The rain gage is not to be emptied but left to accumulate additional rainfall until the conclusion of the rainfall event. At the conclusion of the rainfall event, an observation of the rain gage shall be made and the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.

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

VDOT LD-445: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP and ESC projects > 10,000 s.f. but <1 acre.
VDOT LD-445A: Permitted projects only.
VDOT LD-445C: Projects that require a permit, ESC Plan, or SWPPP.
VDOT LD-445D: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP.
VDOT LD-445F: Emergency work projects (when applicable).
Water Quality Requirement (when applicable)
VDOT LD-445H: Permitted projects only.
VDOT C-107 Part I and Part II. All projects that require a permit or SWPPP.
VDOT LD-445I: AS&S Approval Form (when applicable)

16. If there is an excessive loading of sediment from the project (i.e. more than to be expected from the project with an implemented ESC plan) that is discovered within a local watershed with a sediment TMDL that allocates a WLA to VDOT's MS4, (see note #7) the contractor shall investigate the area of concern at the site within 24 hours of discovery and ensure all erosion and sediment control best management practices are being implemented in accordance with the permits approved standards and specifications required by Part I.B of the current Construction General Permit. If corrective action is necessary, the contractor shall initiate corrective actions no later than 5 business days after the initial investigation.

17. If excessive loading of sediment from a land disturbing activity that is not the responsibility of the contractor is discovered discharging into a MS-4, the contractor shall notify the municipality with jurisdiction over erosion and sediment control activities.

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

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

Revised 5/1/19

VDOT PROJECT	SHEET NO.
6234-076-266	10

Rinker Design Associates, P.C.
Office Locations
LANE
NOVA DISTRICT DESIGN UNIT

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	10(1)

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

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

*VSMP PERMIT TO BE OBTAINED AND MAINTAINED BY PRINCE WILLIAM COUNTY

SECTION II EROSION AND SEDIMENT CONTROL

** 1. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with the current edition of Section 108.03 of the VDOT R&B Specifications and shall be included with the other SWPPP documents for this land disturbance (construction) activity.

2. Directions of stormwater flow and approximate slopes anticipated after major grading activities are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.

3. Areas of soil disturbance and areas of the site which will not be disturbed are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.

4. Locations of major structural and nonstructural ESC measures intended to filter, settle or similarly remove sediment are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.

5. Locations where stabilization practices are expected to occur are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.

6. A description of interim and permanent stabilization practices for the site are identified in the applicable sections of the documents identified in the Note 1 of Section IV.

** 7. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated will be provided by the contractor and maintained with the record set of plans or other SWPPP documents for this land disturbance (construction) activity: (List how this will be tracked and the location)

8. A description and schedule of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107.16 and 303.03 of the VDOT R&B Specifications.

9. Nutrients shall be applied in accordance with the current edition of Sections 603 and 604 of the VDOT Road and Bridge Specifications. Nutrients shall not be applied during rainfall events. Top soil shall be applied in accordance with the current edition of section 602 of the latest Road and Bridge Specifications.

10. All engineering calculations supporting the design of erosion and sediment control measures proposed for this land disturbance (construction) activity are contained in the project drainage file located in the VDOT Prince William Residency Office and will be made available for review upon request during normal business hours.

11. The temporary erosion and siltation control items shown on the ESC Plan for this land disturbing (construction) activity are intended to provide a general plan for controlling erosion and sediment within the project limits. The ESC Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the VDOT Project Engineer and/or ESC Inspector, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require an engineering analysis, elimination of a perimeter control, change to ESC concept that would affect the quantity or direction of flow of water) shall be submitted to the applicable District Hydraulics Engineer for review and approval. Any changes to the proposed ESC Plan must be noted on the designated record set of plans which shall be retained on the project site and made available upon request during normal business hours.

12. The areas beyond the project's construction limits are to be protected from siltation. Perimeter controls such as silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.

13. Temporary earthen structures such as dikes and berms are to be stabilized immediately upon installation. Stabilization may include temporary or permanent seeding, riprap, aggregate, sod, mulching, and/or soil stabilization blankets and matting in conjunction with seeding.

14. All channel relocations are to be constructed during the earliest stage of construction and shall be constructed in accordance with all applicable permit requirements and shall be constructed in the dry wherever possible. Stabilization or vegetation shall be established before flow is redirected through the constructed area as directed by the Engineer.

15. The contractor shall plan and implement his land disturbance operations in order to:
   a. Control the volume and velocity of stormwater runoff within the site to minimize erosion.
   b. Control the peak flow rates, volume and velocity of stormwater discharges to minimize erosion at outlets and in downstream channels.
   c. Minimize the amount of soil exposed.
   d. Minimize the disturbance of steep slopes.
   e. Minimize sediment discharge from the site.
   f. Provide and maintain natural buffers around surface waters, direct stormwater runoff to vegetated areas and maximize stormwater infiltration, unless infeasible.
   g. Minimize soil compaction (except in those areas where compaction is required by the contract documents) and preserve topsoil where feasible.

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

17. Soil stockpiles temporarily placed within the project area or on VDOT right of way or easement shall be identified, stabilized, and protected with sediment trapping measures.

18. A construction entrance or other approved measure shall be installed at all locations where construction vehicular traffic access routes intersect a paved or a public road in order to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or a public road surface, the road shall be cleaned thoroughly at the end of each work day by shoveling or sweeping. Removed sediment shall be disposed of in accordance with Section 106.04 of the R&B Specifications.

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

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

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

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

SECTION III POST CONSTRUCTION STORMWATER MANAGEMENT

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

1. This land disturbance activity is grandfathered under Section 9VAC25-870-48 of the VSMP Regulations and utilizes the Part IIC technical criteria (i.e., Performance or Technology Based, MS 19, etc.) in Section 9VAC25-870-93 et seq. of the VSMP Regulations.

~~2. An exception for (number) pounds of phosphorus removal has been granted for this land disturbance activity by the DEQ in its letter dated (date).~~

~~3. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.~~

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

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

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

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

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

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

ACRONYMS

CBPA - Chesapeake Bay Preservation Act
BMP - Best Management Practice
DEQ - Department of Environmental Quality
EPA - U.S. Environmental Protection Agency
ESC - Erosion and Sediment Control
IIM - Instructional and Informational Memorandum
R&B - Road and Bridge
RLD - Responsible Land Disturber
SWPPP - Stormwater Pollution Prevention Plan
TMDL - Total Maximum Daily Load
VDOT - Virginia Department of Transportation
VPDES - Virginia Pollutant Discharge Elimination System
VSMP - Virginia Stormwater Management Program
VESCP - Virginia Erosion and Sediment Control Program
WLA - Waste Load Allocation
SWM - Stormwater Management

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

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

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

	VDOT PROJECT	SHEET NO.
	6234-076-266	10(1)

PH PLAN

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The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VPDES General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) issued July 1, 2019 and VDOT's approved Annual ESC and SWM Standards and Specifications.

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

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

SECTION IV SWPPP

1. All documents related to the SWPPP for this land disturbance (construction) activity shall be maintained at the activity site and shall be readily available for review upon request during normal business hours. Such documents include, but are not limited to, the construction plans (or other such documents), the ESC Plan, the Pollution Prevention Plan, the post construction SWM Plan (if applicable), the VDOT R&B Standards and Specifications, Supplemental Specifications, Special Provisions and Special Provision Copied Notes. Documents related to stormwater pollution prevention which are not a part of those documents referenced above, such as copies of the VPDES Construction Permit coverage letter (when applicable) and the VPDES General Permit For Discharges Of Stormwater From Construction Activities (when applicable) and those required to be developed by the contractor for pollution prevention associated with any on-site support facilities being included in the VPDES Construction Permit coverage for this land disturbance (construction) activity are to be maintained at the activity site with the other SWPPP documents for this land disturbance (construction) activity. Where no facilities are available at the activity site to maintain the SWPPP documents, they are to be kept by or with the designated RLD at a location convenient to the activity site where they would be made available for review upon request during normal business hours.

2. The SWPPP and any subsequent amendments, modifications and updates shall be implemented from commencement of land disturbance until termination of VPDES Construction Permit coverage or completion of land disturbance (construction) activities where no VPDES Construction Permit coverage is required.

** 3. For all on-site support facilities that will be included in the VPDES Construction Permit coverage for this land disturbance (construction) activity, the contractor shall develop a SWPPP in accordance with, but not limited to, Section 106.08, 107.02 and 107.16 of the VDOT Road and Bridge Specifications. The SWPPP for the on-site support facilities shall be maintained with and become a component of the SWPPP for this land disturbance (construction) activity. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.

4. For those land disturbing (construction) activities requiring coverage under the VPDES Construction Permit, the SWPPP shall be made available for review upon the request of the DEQ, the EPA, the VSMP Authority, the VESCP Authority, local government officials or the operator of a municipal separate storm sewer system (MS4) receiving discharge from the construction site.

* 5. For those land disturbing (construction) activities requiring coverage under the VPDES Construction Permit, the VDOT RLD shall post, or have posted, a copy of the General Permit coverage letter and a copy of a completed LD-445A form, noting the name and contact information for the VDOT person responsible for the land disturbing (construction) activity and its SWPPP, outside the project's construction office along with other Federal and State mandated information. Where there is no construction office (e.g., a maintenance activity), the permit coverage letter and the LD-445A form are to be maintained with the other SWPPP documents for the land disturbing (construction) activity.

6. The SWPPP shall be made available for review by the public upon request. Such reviews shall be at a time and publicly accessible location convenient to the VDOT and shall be scheduled during normal business hours and no less than once per month.

SECTION V - POLLUTION PREVENTION PLAN

1. The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are prohibited:
   a. Wastewater from concrete washouts.
   b. Wastewater from the washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials.
   c. Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
   d. Oils, toxic substances or hazardous substances from spills or other releases.
   e. Soaps, solvents or detergents used in equipment and vehicle washing.
   f. There shall be no discharge of floating solids or visible foam in other than trace amounts

2. The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are allowed when discharged in compliance with the VPDES Construction Permit:
   a. Discharges from firefighting activities.
   b. Fire hydrant flushings.
   c. Waters used to wash vehicles or equipment where soaps, solvents or detergents have not been used and the wash water has been filtered, settled or similarly treated prior to discharge.
   d. Water used to control dust that has been filtered, settled or similarly treated prior to discharge.
   e. Potable water sources including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
   f. Routine external building wash down where soaps, solvents or detergents have not been used and the wash water has been filtered, settled or similarly treated prior to discharge.
   g. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (or where all spilled or leaked material has been removed prior to washing), where soaps, solvents or detergents have not been used and where the wash water has been filtered, settled or similarly treated prior to discharge.
   h. Uncontaminated air conditioning or compressor condensate.
   i. Uncontaminated ground water or spring water.
   j. Foundation or footing drains where flows are not contaminated with process materials such as solvents.
   k. Uncontaminated excavation dewatering, including dewatering trenches and excavations that have been filtered, settled or similarly treated prior to discharge.
   l. Landscape irrigation.

**

3. The contractor shall develop a Pollution Prevention Plan to address any of his on-site operations that have a potential to generate a pollutant that may reasonably be expected to affect the quality of stormwater discharges from this land disturbance (construction) activity. The Pollution Prevention Plan shall be developed in accordance with, but not limited to, Sections 106.08, 107.02 and 107.16 of the VDOT Road and Bridge Specifications and shall include a narrative with appropriate plan detail and shall be provided on standard 8.5 x 11 inch paper or larger and shall:
   a. Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
   b. Describe the location where the potential pollutant-generating activities will occur, or if identified on the record set of plans, reference the record set of plans.
   c. Identify all non-stormwater discharges, as described in note two of this section, that are or will be commingled with stormwater discharges from the construction activity, including any on-site support activities.
   d. Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practice or practices for each pollutant-generating activity.
   e. Describe the pollution prevention practices and procedures that will be implemented to:
      1) Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107.16 of the VDOT Road and Bridge Specifications and the requirements within the VPDES Construction Permit.
      2) Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
      3) Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
      4) Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
      5) Direct concrete wash water into a leak-proof container or leak-proof settling basin. The container or basin shall be designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wash waters and shall not be discharged to surface waters.
      6) Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
      7) Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
      8) Address any other discharge from any potential pollutant-generating activity not listed herein.
      9) Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
      10) Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.

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

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

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	10(3)

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

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

SECTION VI - PERMANENT BMP INFORMATION △

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

INSTALLED BMP INFORMATION
(VDOT Owned/Operated)

Plan Sheet(s)	Date BMP Made Functional	Type of BMP Installed (See Table A and C)	Geographic Location (County or City)	Latitude/Longitude (1) LAT	Latitude/Longitude (1) LONG	VA 6th Order HUC (7)	Receiving Water (2)	Name of Impaired Water (9)	Acres Treated Per BMP (3) Impervious	Acres Treated Per BMP (3) Pervious	Acres Treated Per BMP (3) TOTAL	⁎ BMP Maintenance ID Number (10)	BMP Maintenance Manual (11) SECTION	BMP Inspection Manual (11) SECTION
1Q(4)-1Q(11)		Retention Basin II (PL34-BMP-1)	Prince William	38.7794 N	77.5642 W	PL34	Unnamed Tributary to Broad Run	Broad Run	6.1	4.8	10.9		7	7
1Q(20)-1Q(27)		Extended Detention Basin (PL34-BMP-5)	Prince William	38.7867 N	77.5589 W	PL34	Dawkins Branch	Broad Run	2.0	1.4	3.4		7	7
1Q(28)-1Q(35)		Retention Basin II (PL34-BMP-9)	Prince William	38.7866 N	77.5517 W	PL34	Dawkins Branch	Broad Run	1.8	3.7	5.5		7	7
1Q(12)-1Q(19)		Extended Detention Basin (PL44-BMP-4)	Prince William	38.7924 N	77.5504 W	PL44	Unnamed Tributary to Youngs Branch	Youngs Branch	5.1	2.5	7.6		7	7
1Q(36)-1Q(43)		Retention Basin II (PL44-BMP-10)	Prince William	38.7922 N	77.5537 W	PL44	Unnamed Tributary to Youngs Branch	Youngs Branch	14.7	12.4	27.1		7	7

ALTERNATIVE BMP INFORMATION

Plan Sheet(s)	Date	Type of BMP Installed (See Table B)	Geographic Location (County or City) (5)	Latitude/Longitude (1) (5) LAT	Latitude/Longitude (1) (5) LONG	VA 6th Order HUC (5) (7)	Receiving Water (2)	Name of Impaired Water (9)

Perpetual Nutrient Credits Acquired for Project

Name of Nutrient Credit Generating Entity (6)	Nutrient Credits (lbs./TP./year) Acquired (6) (12)
TBD	1.51

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

Table A: Permanent BMP Types (1999 Va. SWM Handbook)
- Bio-retention Basin
- Bio-retention Filter
- Constructed Stormwater Wetlands
- Extended Detention Basin
- Extended Detention Basin Enhanced
- Grassed Swale
- Infiltration Basin
- Infiltration Trench
- Manufactured Treatment Device (MTD) (8)
- Retention Basin I
- Retention Basin II
- Retention Basin III
- Sand Filter
- Vegetated Filter Strip
- Other Approved Types (List Type)
- Detention Basin

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

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

NOTES:
(1) In decimal degrees to the nearest one ten-thousandth of a degree.

(2) For streams with no names, list "(Unnamed Tributary to downstream name)".

(3) Show acres treated to the nearest one hundredths acre.

(4) Include agreements with off-site BMP owners.

(5) Information pertains to the alternative BMP option location, where applicable. Exception - Not required for nutrient credit purchase option.

(6) Applies to the purchase of nutrient credits only.

(7) Virginia 6th Order HUC (VAHU6) Example - YO30.

(8) Final approved shop drawings of Manufactured Treatment Devices (MTDs) are to be included with the BMP information submitted with the LD-445D form.

(9) List the name of any impaired water to which the BMP discharges. The determination of impaired water shall be based on those streams listed as impaired in the DEQ 2012 305(b)/303(d) Water Quality Assessment Integrated Report and shall be the first named waterbody to which the BMP discharges. The impaired waters are those impaired by sediment, total suspended solids, turbidity, nitrogen or phosphorus.

(10) BMP Maintenance ID Number is to be assigned by the District Maintenance Division at permit termination or project completion. This ID number shall be assigned prior to the permit close out process and entered by the area construction engineer under this column, per IIM-LD-95

(11) Provide the section of each Maintenance manual that pertains to the type of BMP. Both manuals can be found at www.vdot.virginia.gov/business/manuals in the Maintenance selections. Example: Section 4 would be noted for both the maintenance and inspection manuals for a Bioretention I infiltration BMP.

(12) Nutrient credits purchased to the nearest one hundredth pound.

Design Associates, P.C.
Rinker
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	10(3)

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	2A

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

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

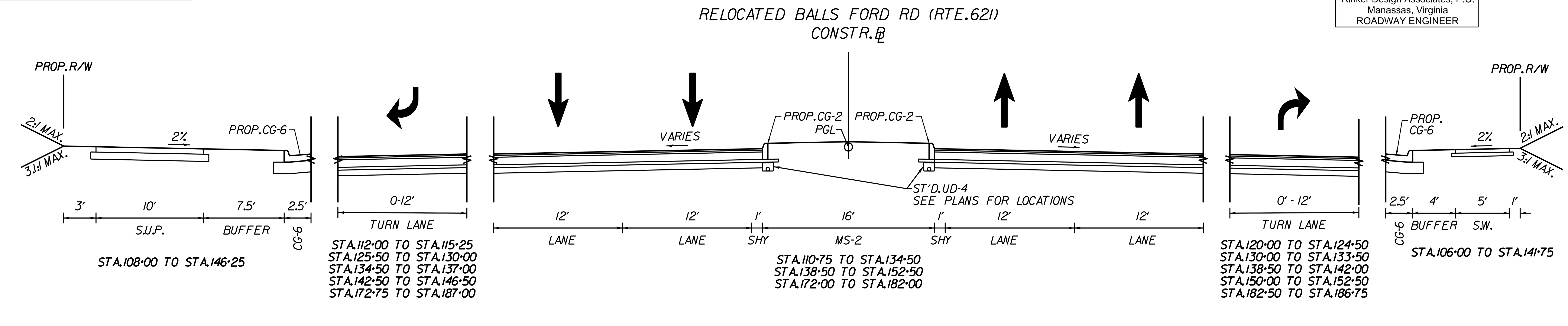
PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

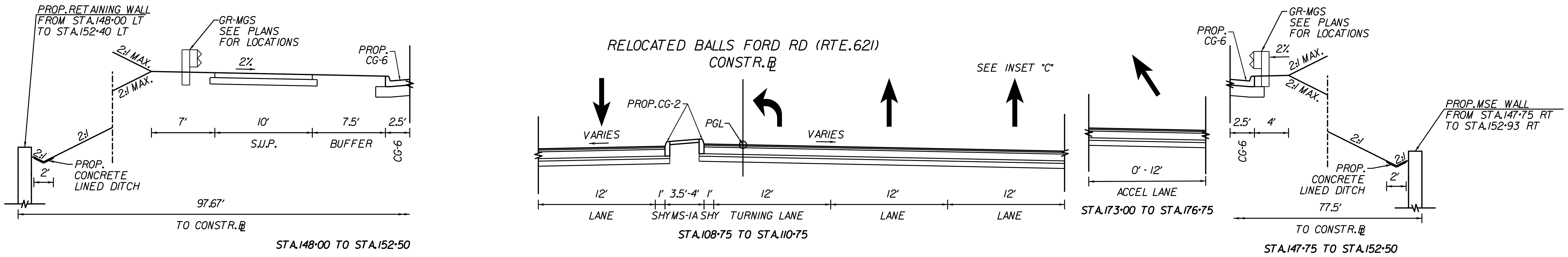
Typical Sections

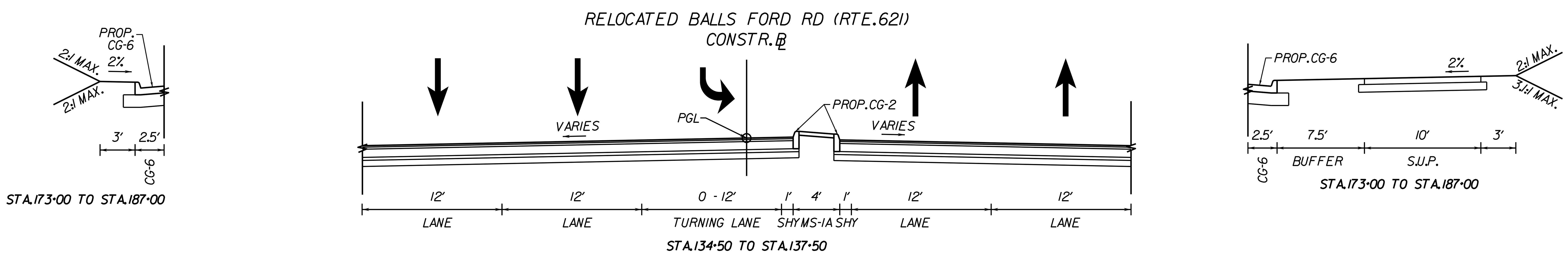
(Not to Scale)

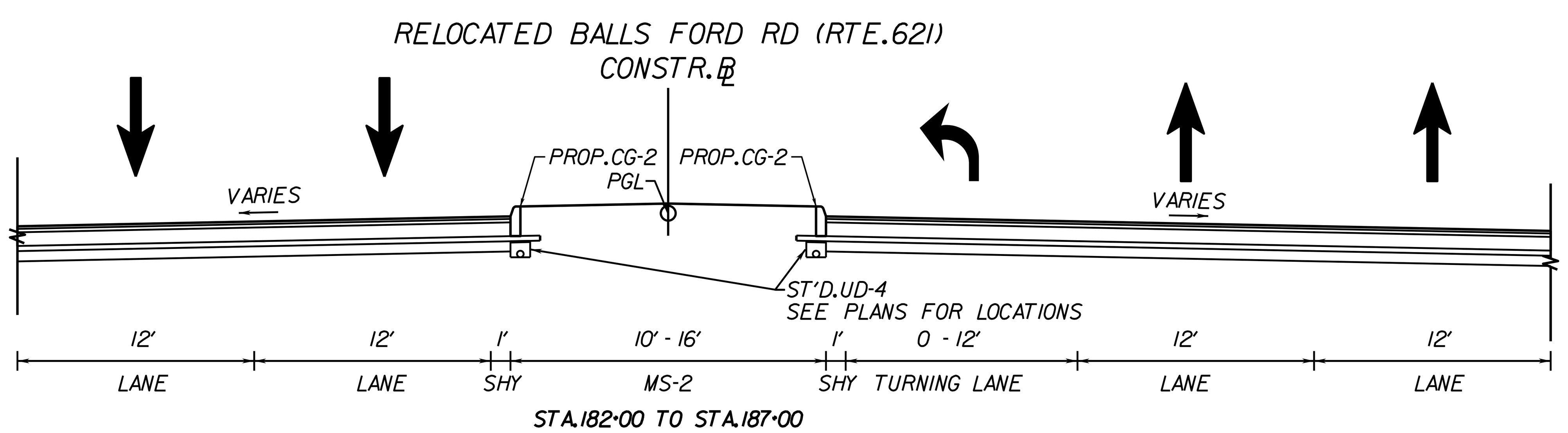
NOTE: PAVEMENT WIDTHS VARY AT TURN LANES, TAPERS AND CONNECTIONS. SEE PLAN SHEETS AND CROSS SECTIONS FOR PAVEMENT LENGTHS AND WIDTHS.

NOTE: PAVEMENT DESIGN TO BE PROVIDED UPON VDOT APPROVAL OF GEOTECHNICAL ANALYSIS









TYPICAL SECTION NOTES

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NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
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Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	2A(1)

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(Not to Scale)

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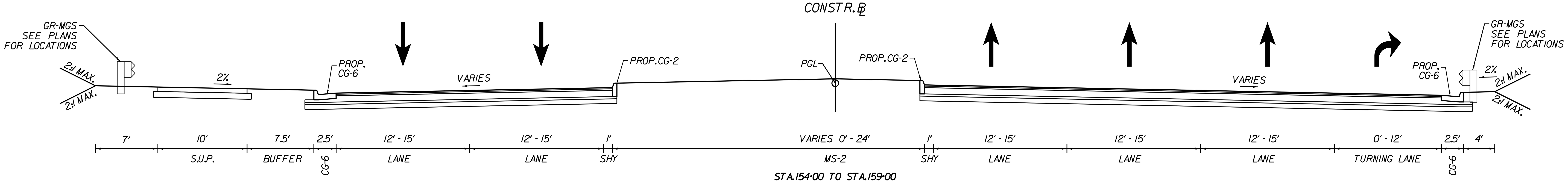
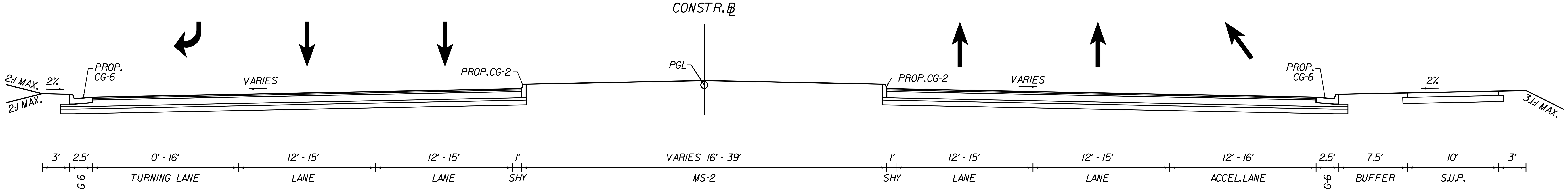
DDI
RELOCATED BALLS FORD RD (RTE. 621)
CONSTR. B/L



STA. 154+00 TO STA. 159+00

DDI
RELOCATED BALLS FORD RD (RTE. 621)
CONSTR. B/L



STA. 169+50 TO STA. 173+00

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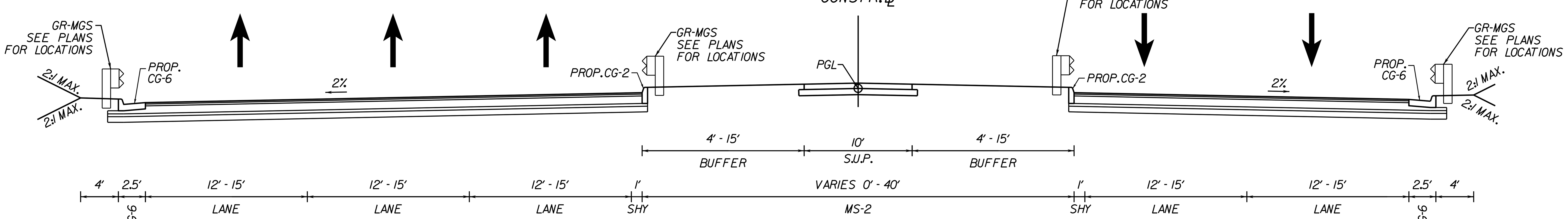
RELOCATED BALLS FORD RD (RTE. 621)
CONSTR. B/L



STA. 159+00 TO STA. 162+50
BRIDGE STATION: STA. 162+50 TO STA. 164+50
STA. 164+50 TO STA. 168+00

TYPICAL SECTION NOTES

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NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A(1)

Rinker Design Associates, P.C.

LANE
NOVA DISTRICT DESIGN UNIT

PH PLAN

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DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Typical Sections

(Not to Scale)

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	2A(2)

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

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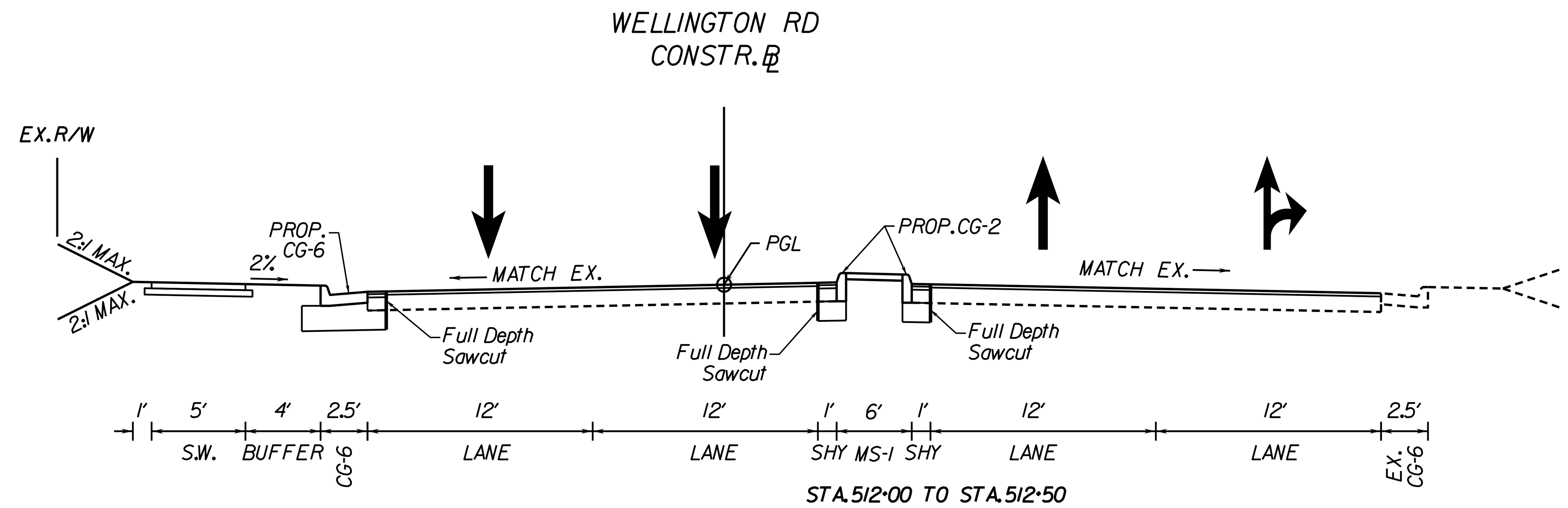

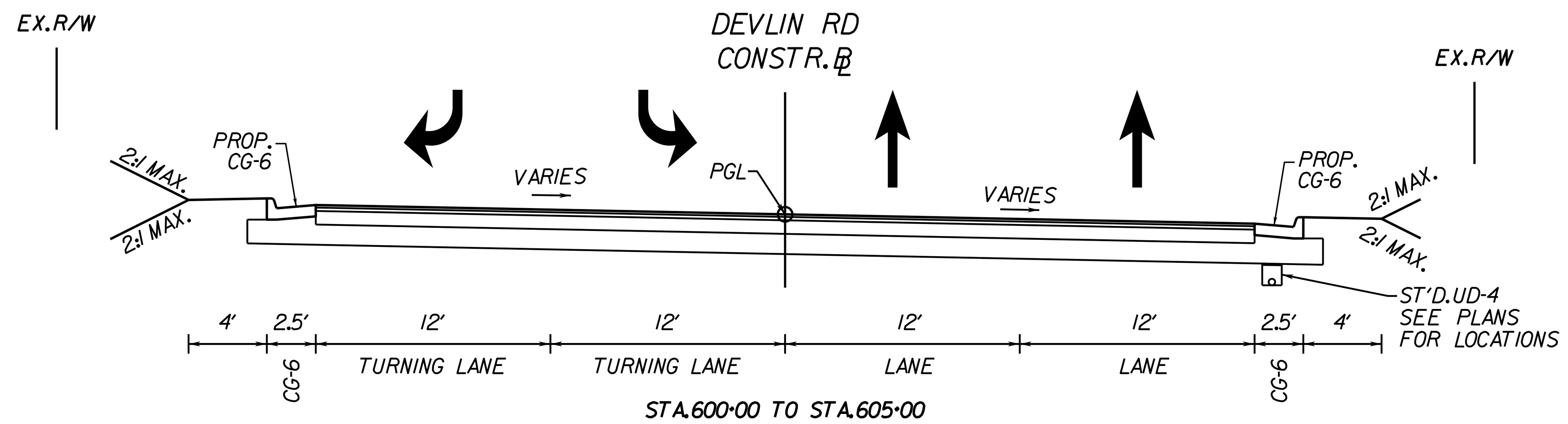

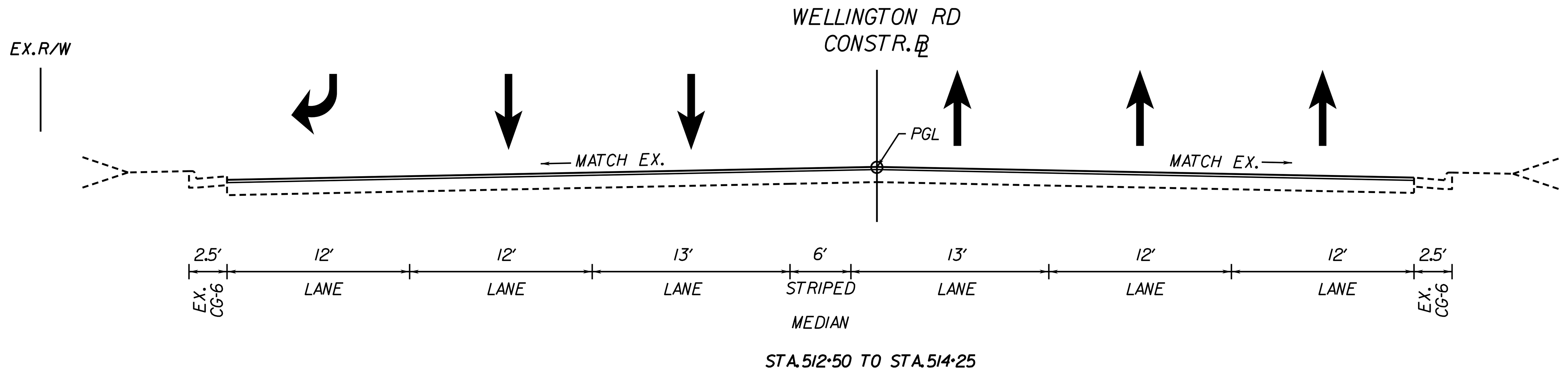

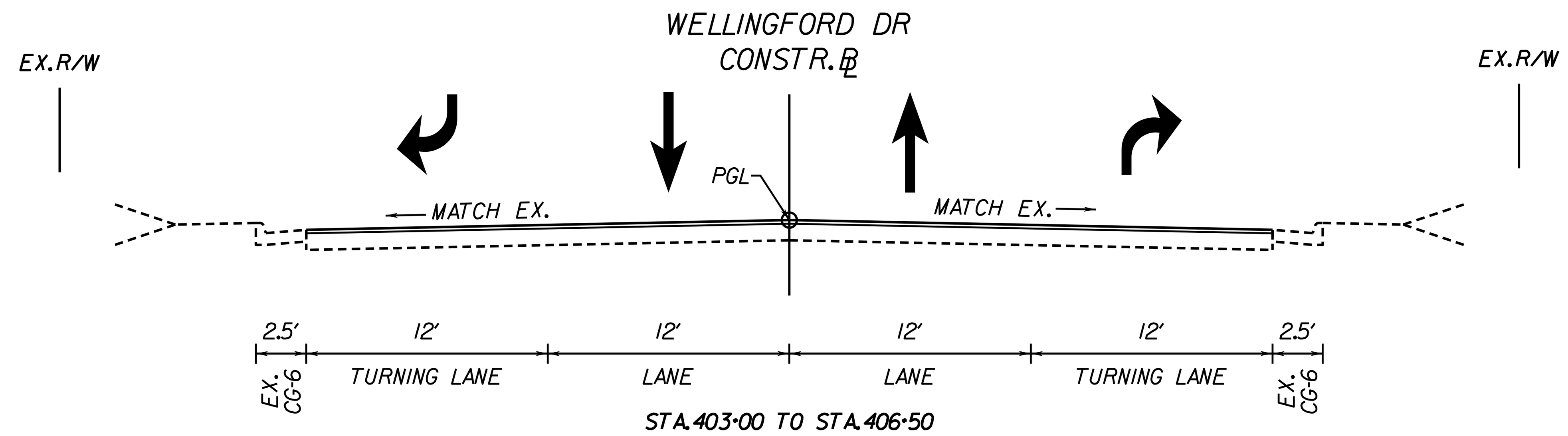

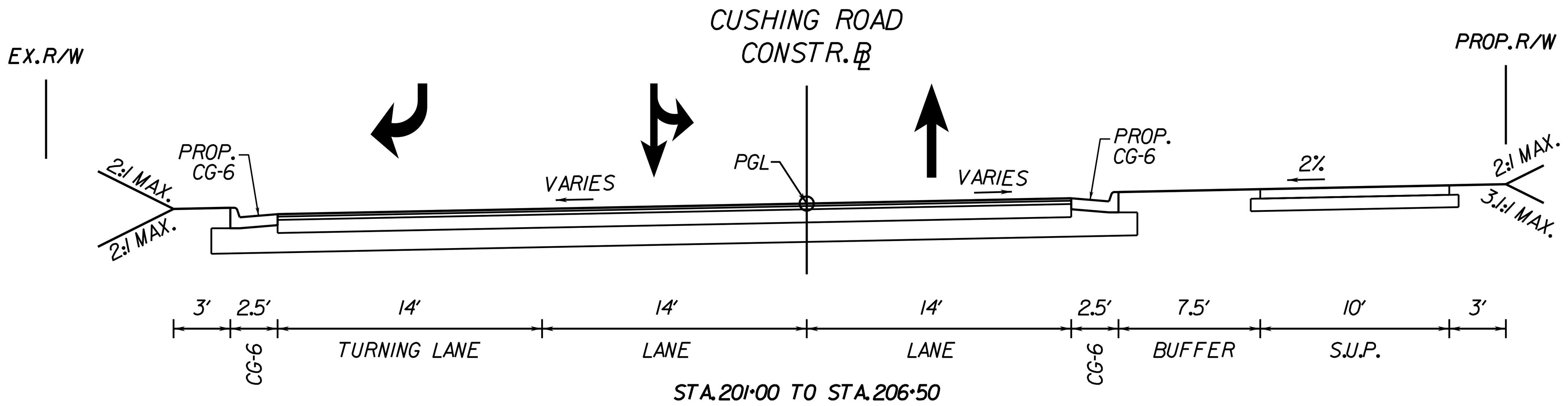

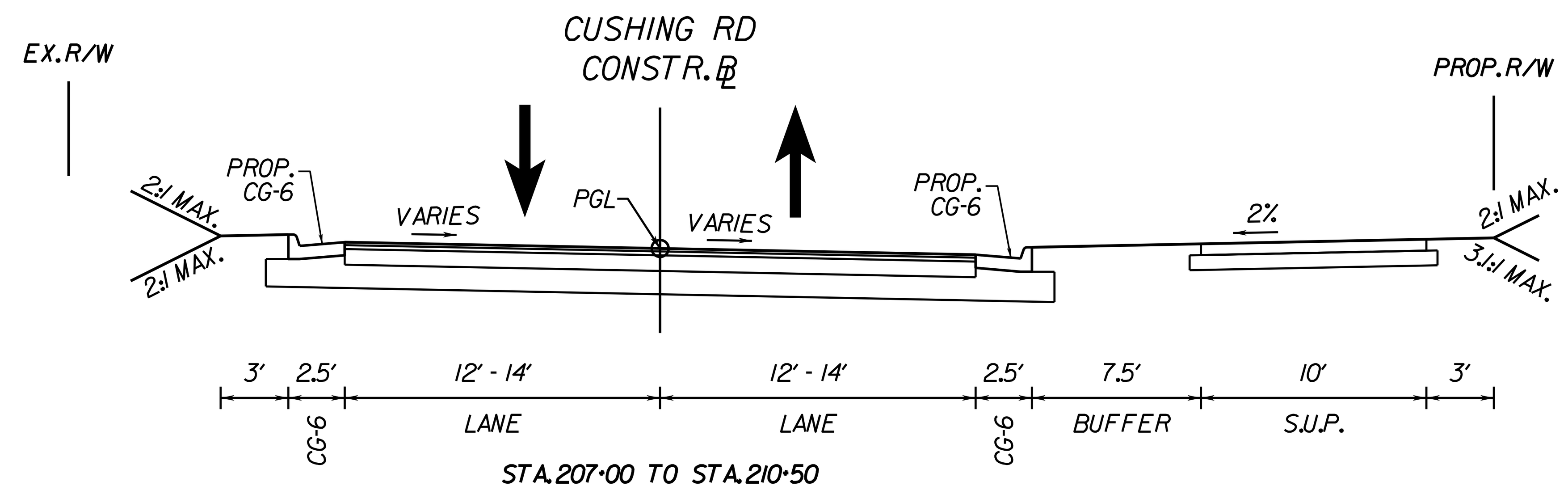

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NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A(2)

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
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Rinker Design Associates, P.C.
Manassas, Virginia
ROADWAY ENGINEER

PROJECT MANAGER PWC DOT; Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Typical Sections

(Not to Scale)

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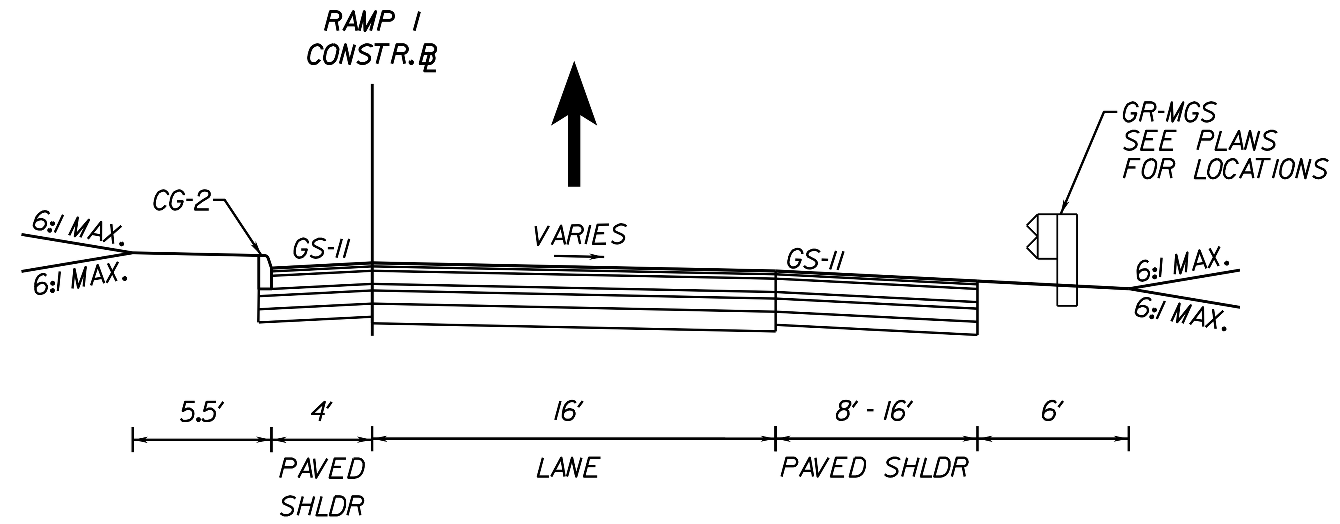
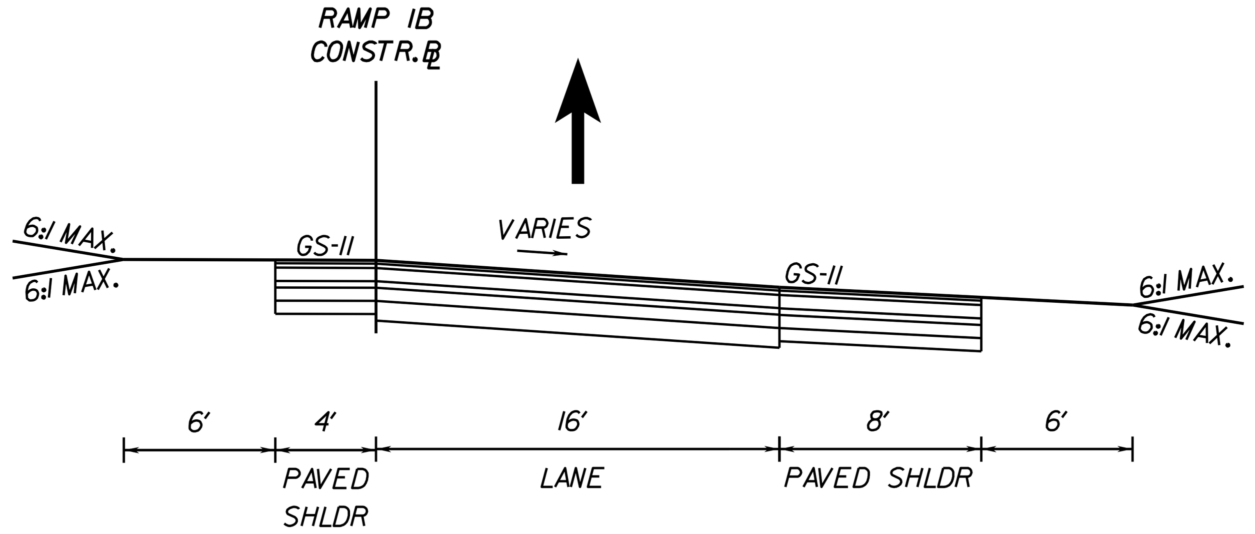
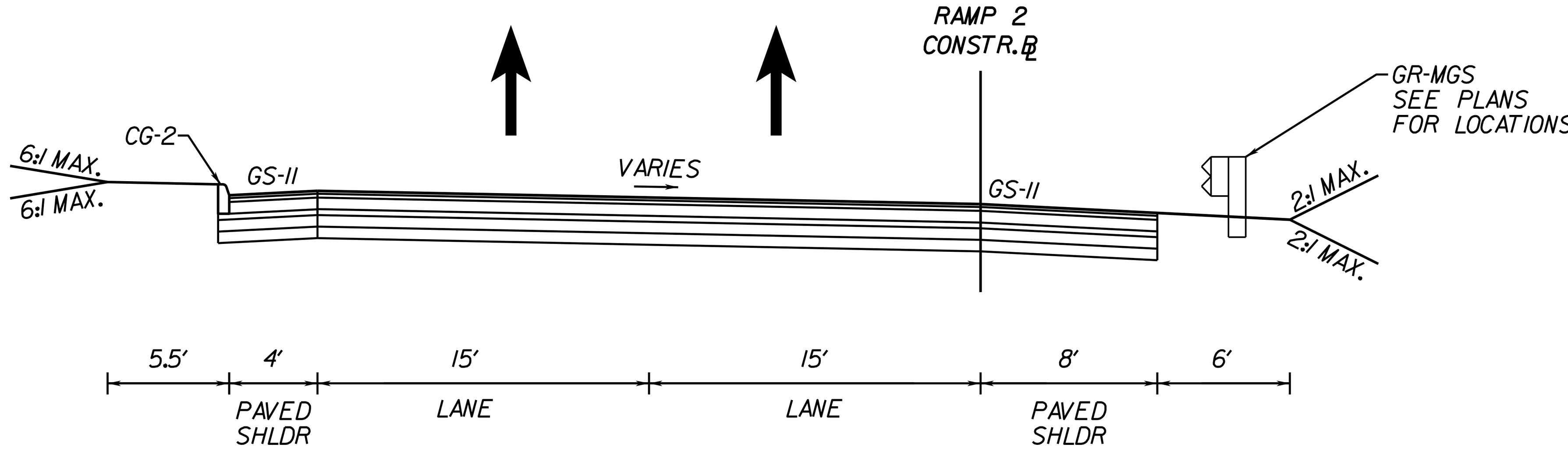


RAMP 1 - STA.142+00 TO STA.143+50



RAMP 1B - STA.151+00 TO STA.155+00



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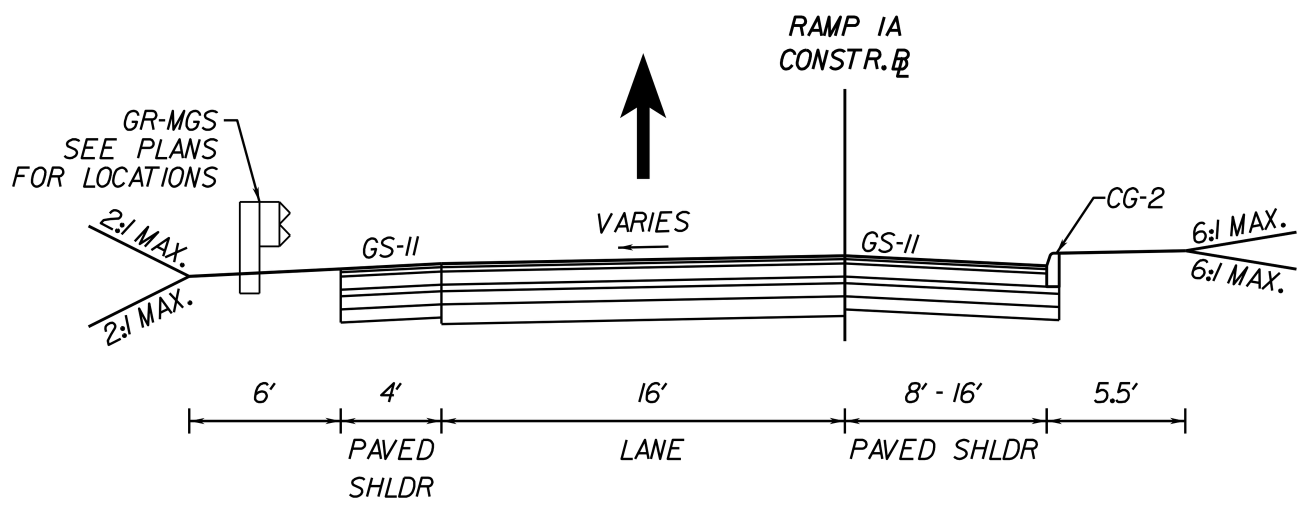

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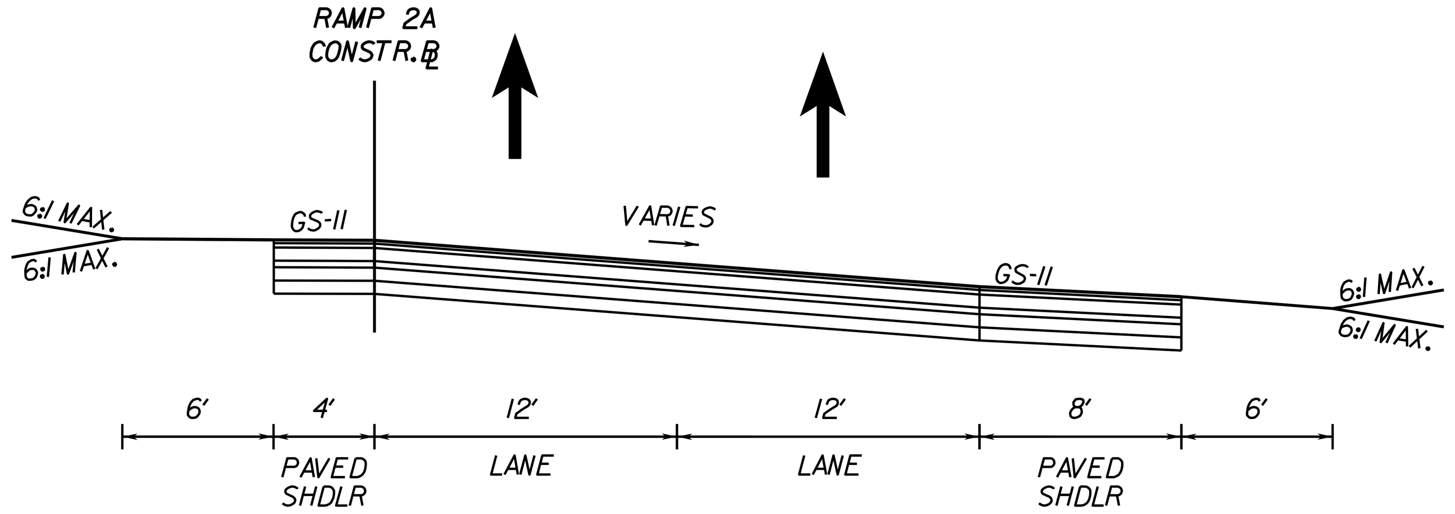
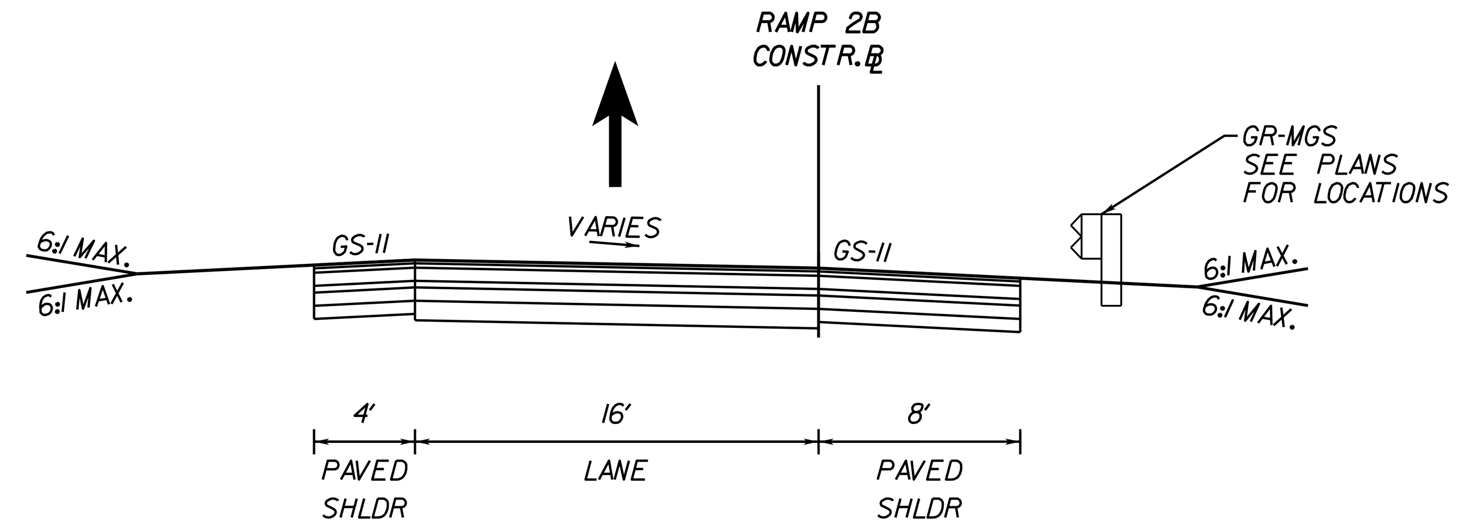


RAMP 2A - STA.61+00 TO STA.64+00



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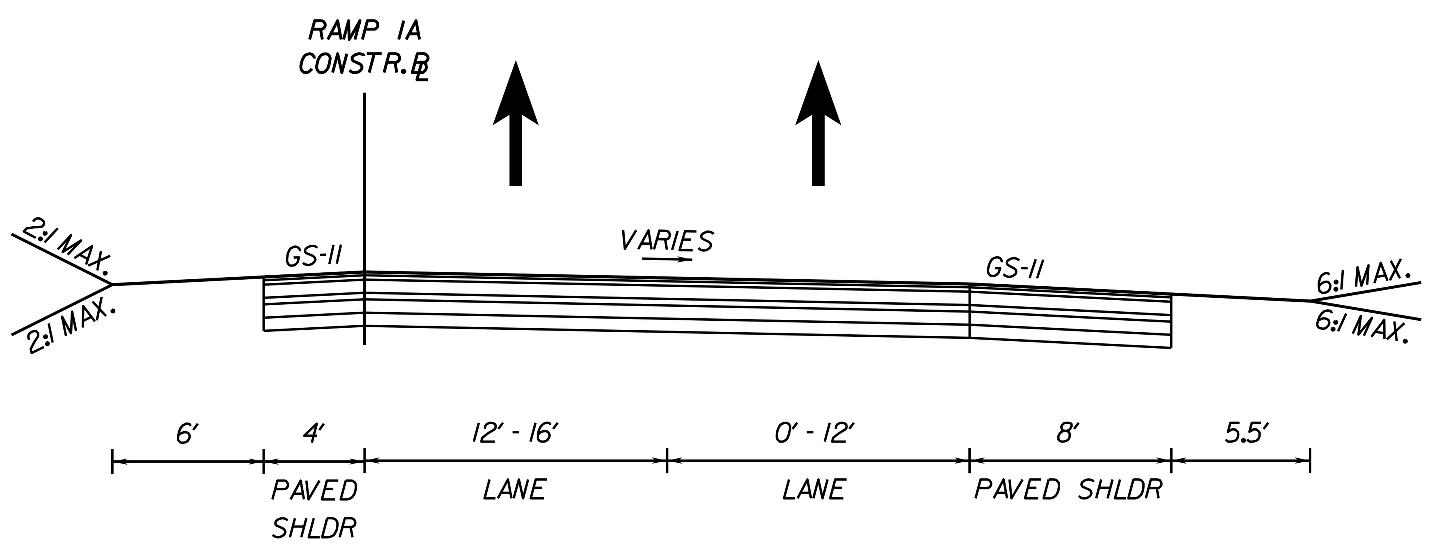
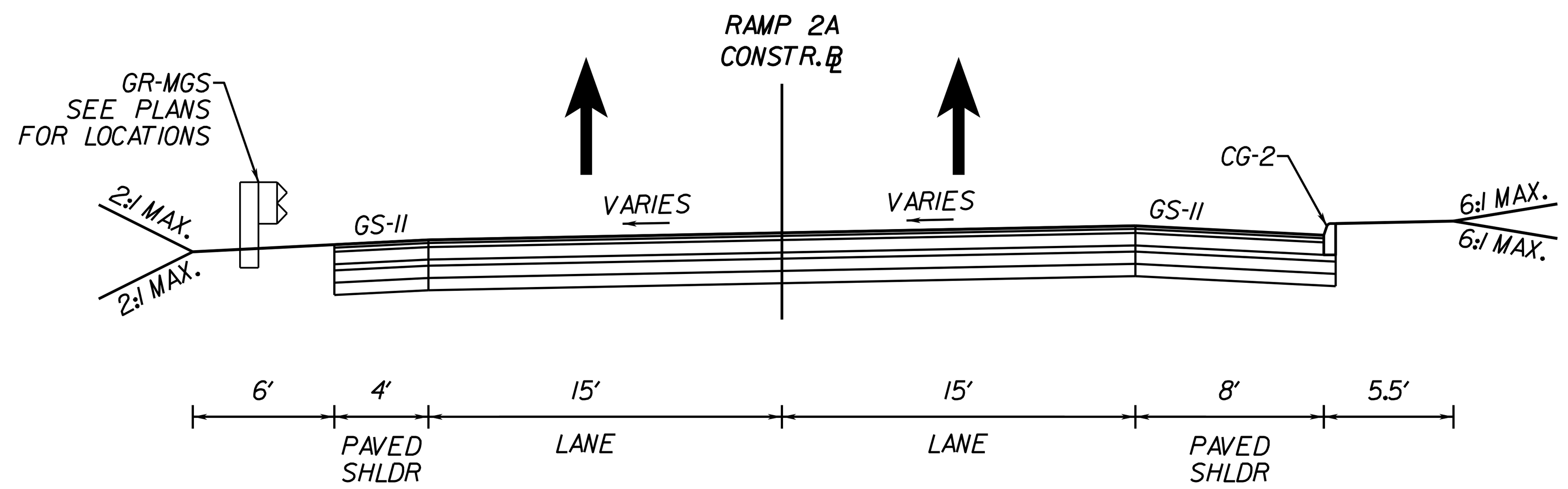
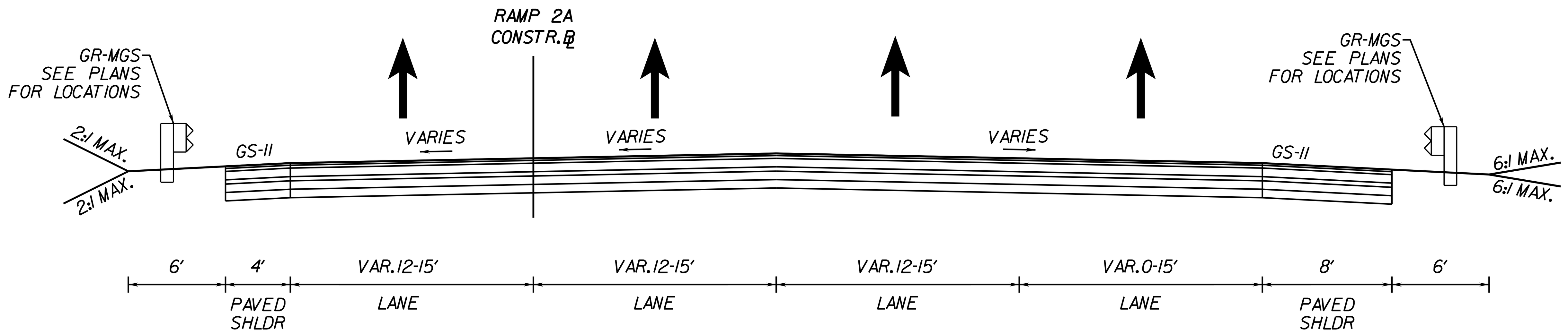


RAMP 1A - STA.104+50 TO STA.108+50



RAMP 2A - STA.68+00 TO STA.70+00



RAMP 2A - STA.64+00 TO STA.68+00

EXISTING RIGHT OF WAY AND PROPOSED RIGHT OF WAY EXTEND BEYOND THE SHEET FOR RAMPS SEE PROJECTS PLANS FOR EXIST./PROP. RIGHT OF WAY

TYPICAL SECTION NOTES

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NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A(3)

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LANE

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates,P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Typical Sections

(Not to Scale)

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	2A(4)

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

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Manassas, Virginia
ROADWAY ENGINEER

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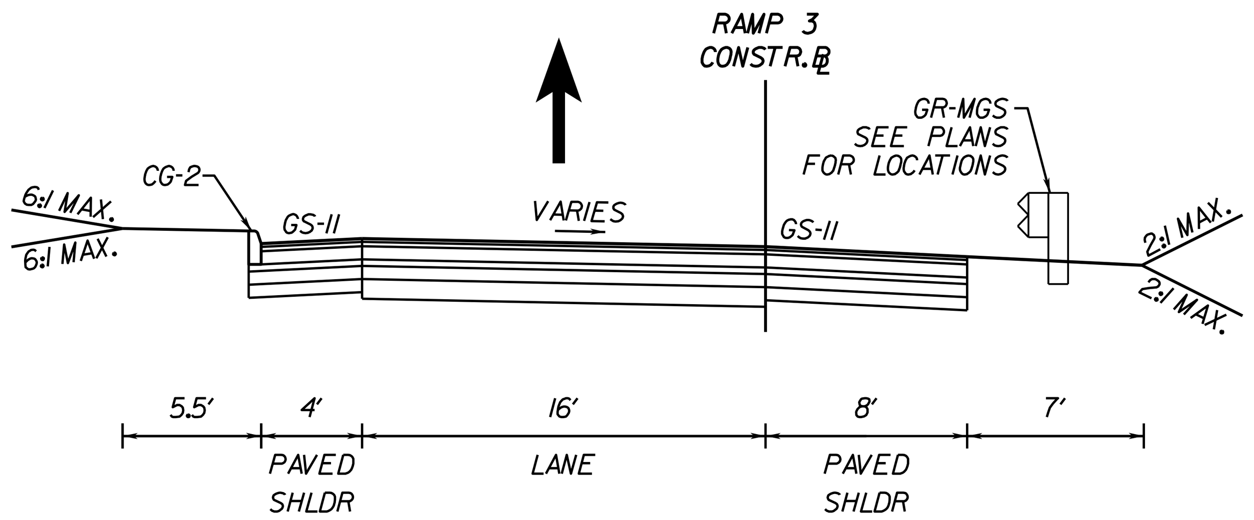
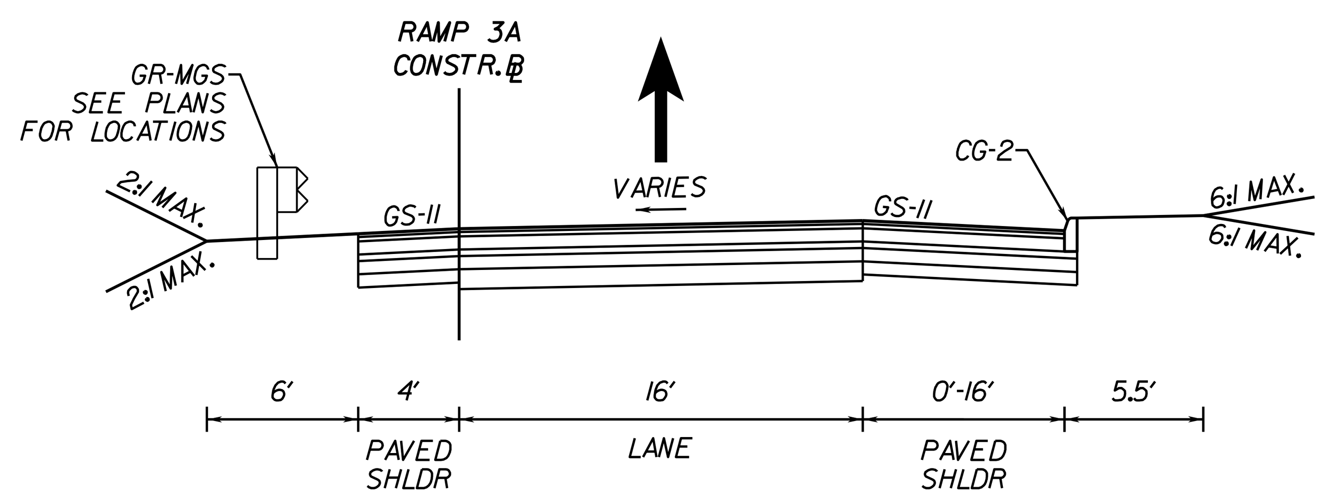


RAMP 3 - STA. 251+50 TO STA. 254+50



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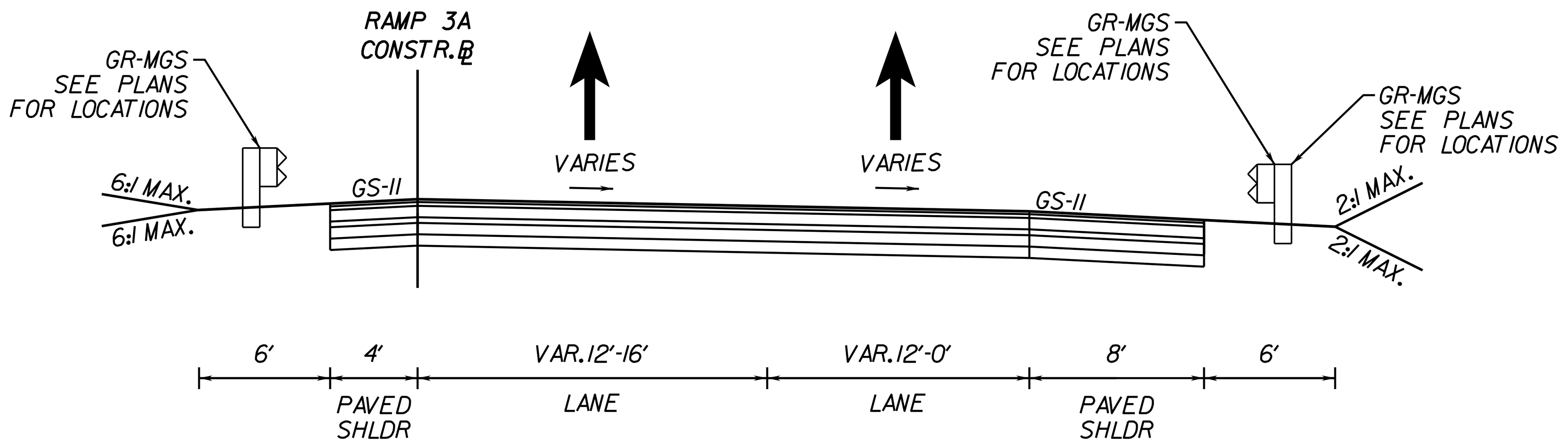
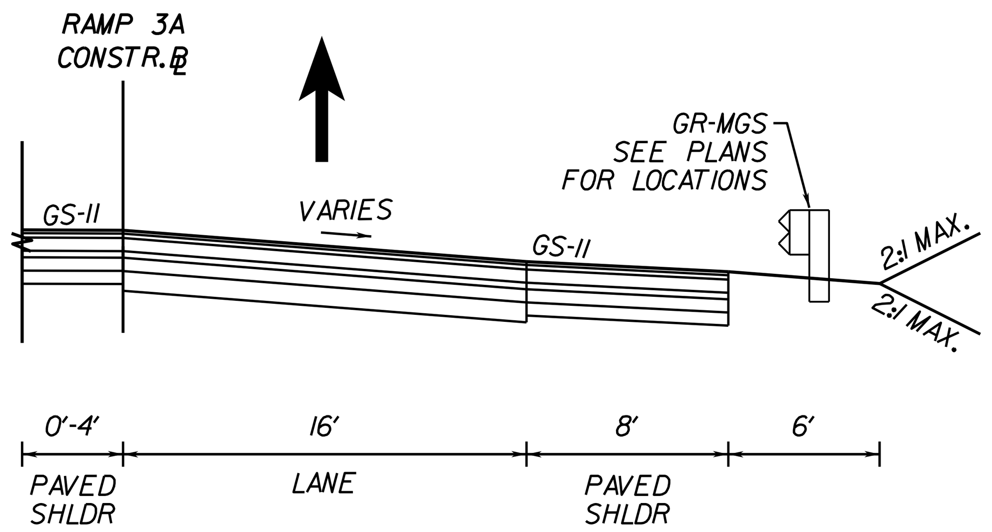
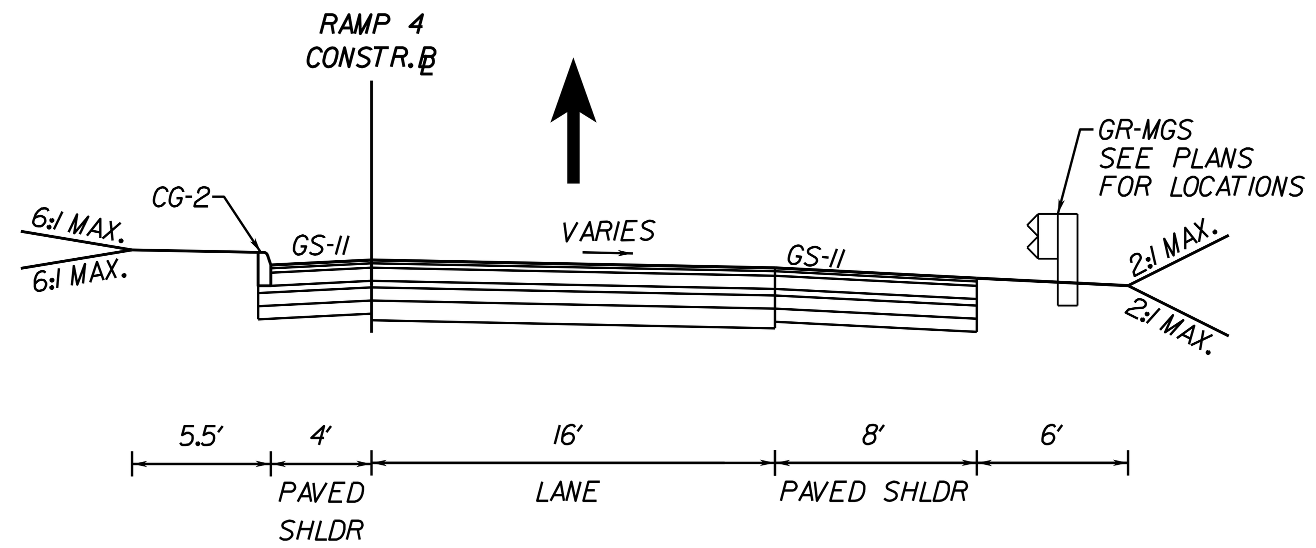


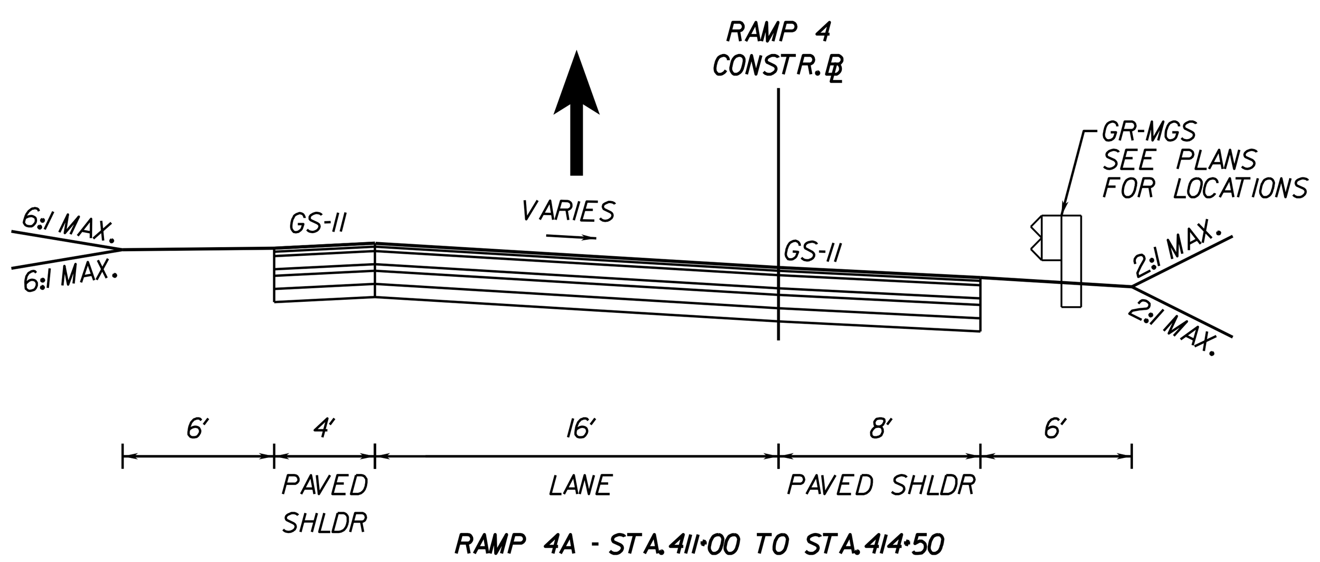
RAMP 3A - STA. 305+00 TO STA. 314+00



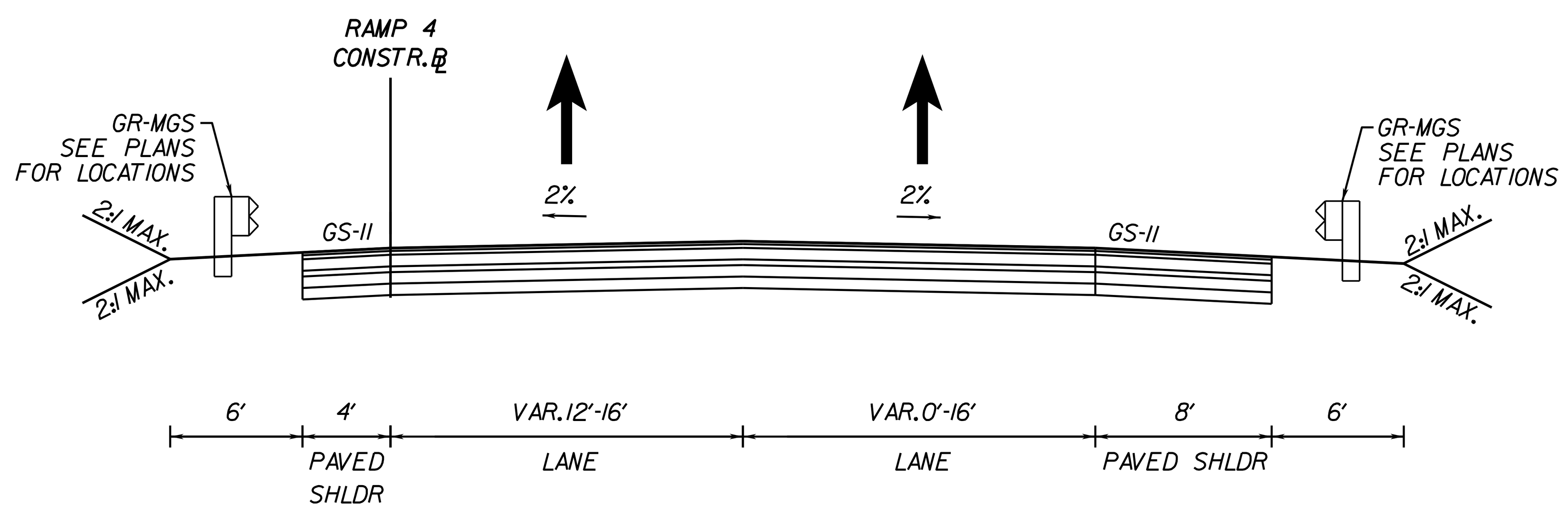
RAMP 3A - STA. 314+00 TO STA. 317+00



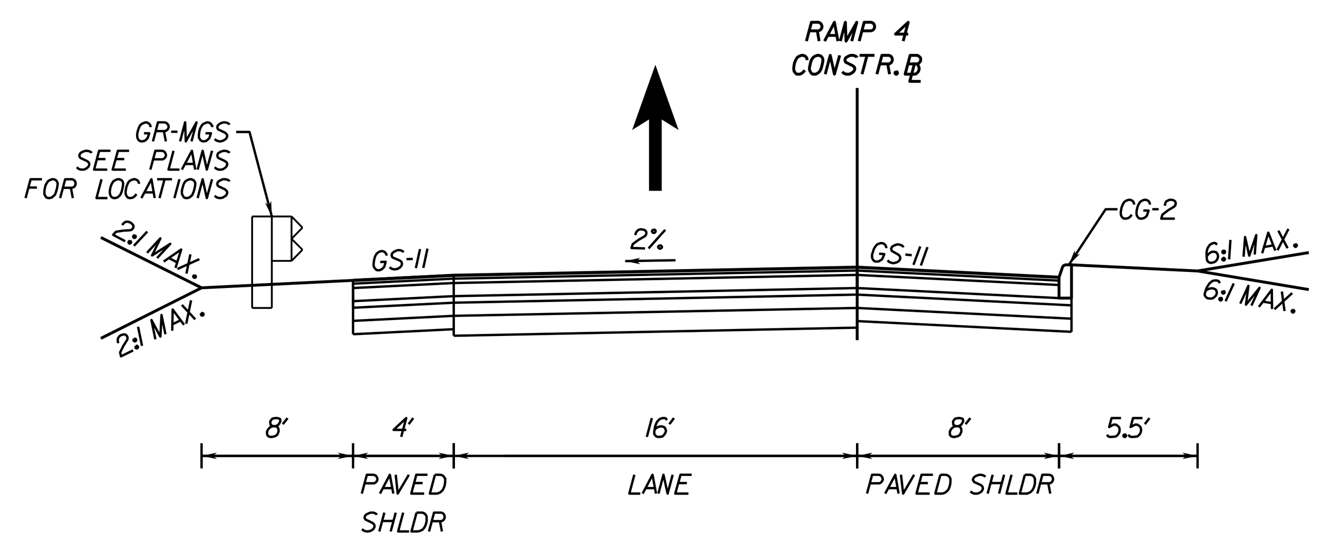
RAMP 4 - STA. 501+00 TO STA. 503+50



RAMP 4A - STA. 411+00 TO STA. 414+50



RAMP 4A - STA. 414+50+00 TO STA. 418+00



RAMP 4A - STA. 418+00 TO STA. 421+00

NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A(4)

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

Rinker Design Associates, P.C.
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	2A(5)

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

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

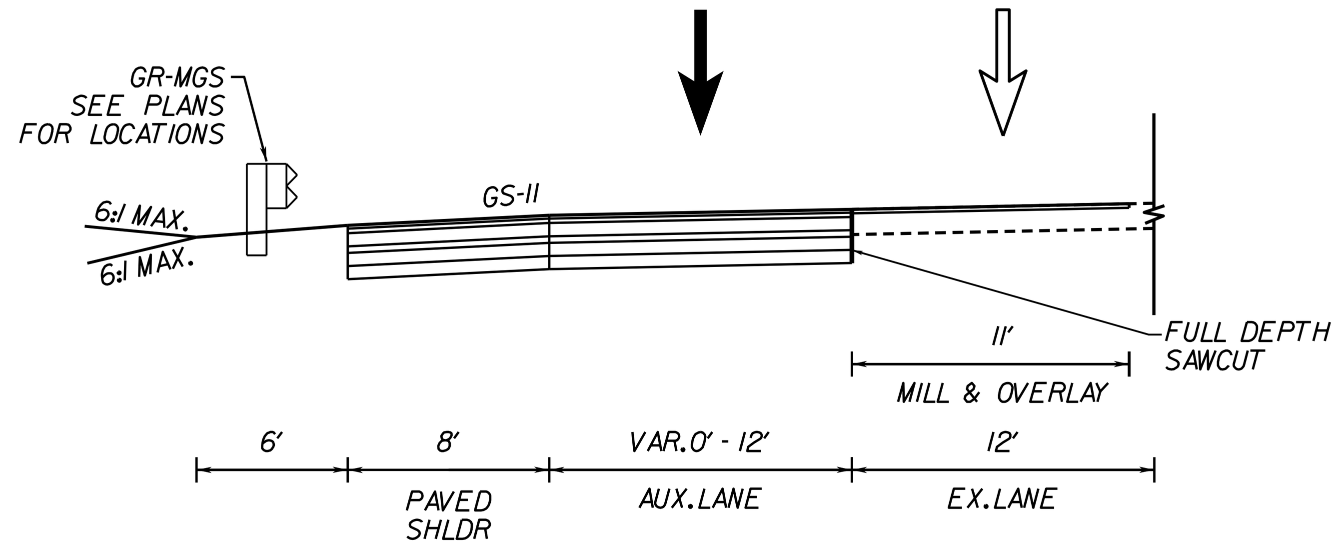
PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Typical Sections

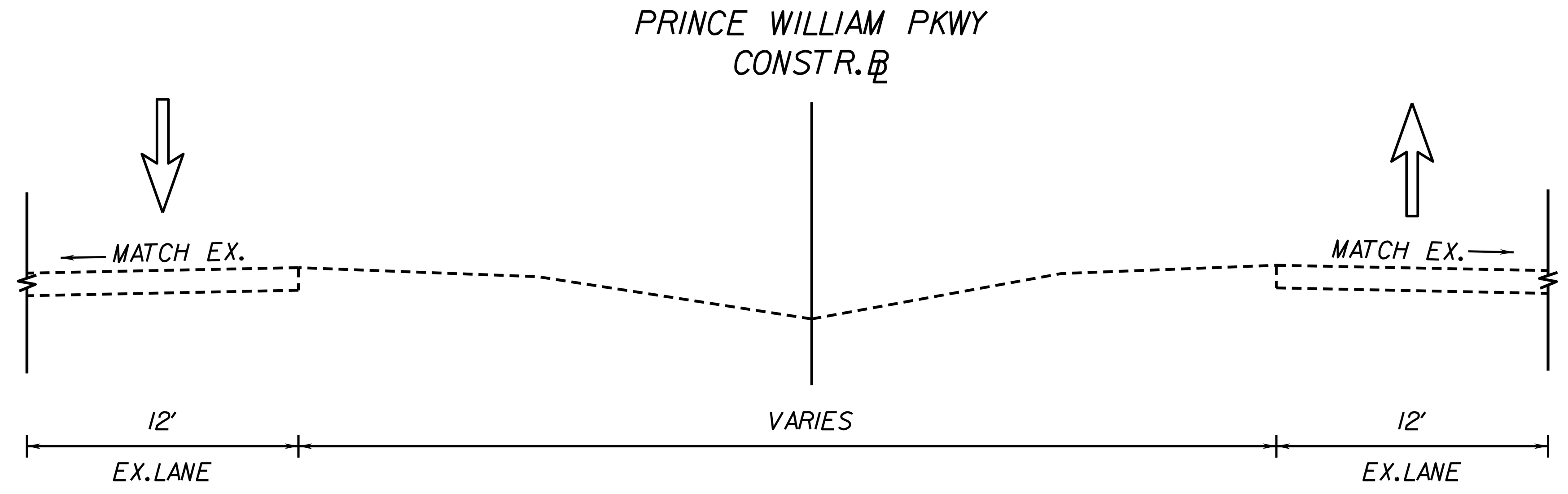
(Not to Scale)

NOTE: PAVEMENT WIDTHS VARY AT TURN LANES, TAPERS AND CONNECTIONS. SEE PLAN SHEETS AND CROSS SECTIONS FOR PAVEMENT LENGTHS AND WIDTHS.

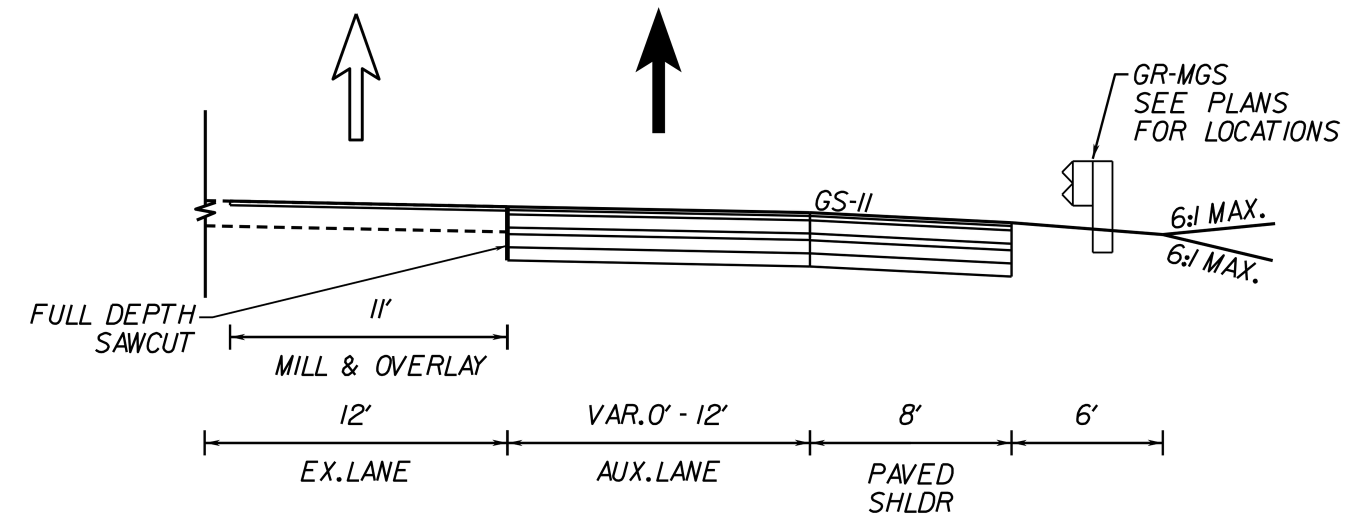
NOTE: PAVEMENT DESIGN TO BE PROVIDED UPON VDOT APPROVAL OF GEOTECHNICAL ANALYSIS



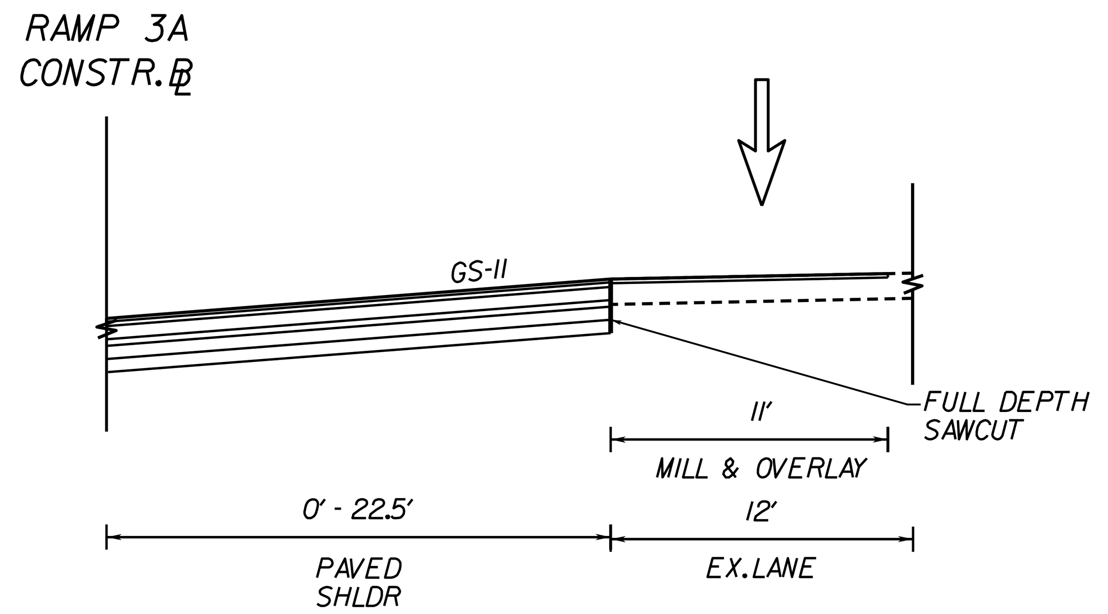
STA. 200+15 TO STA. 207+85



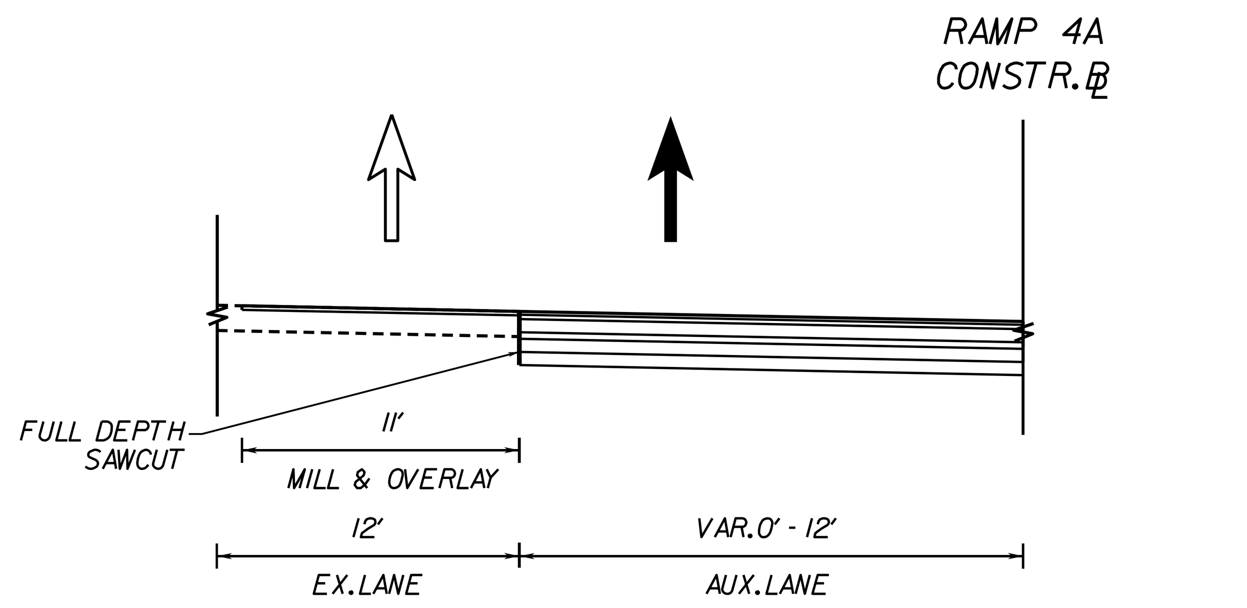
STA. 200+00 TO STA. 218+30
STA. 226+50 TO STA. 262+50



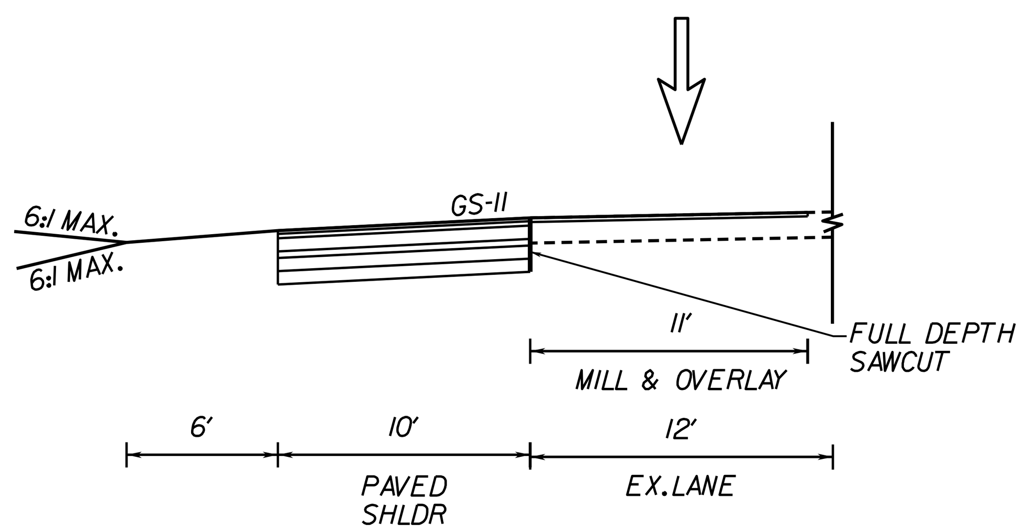
STA. 203+80 TO STA. 210+00



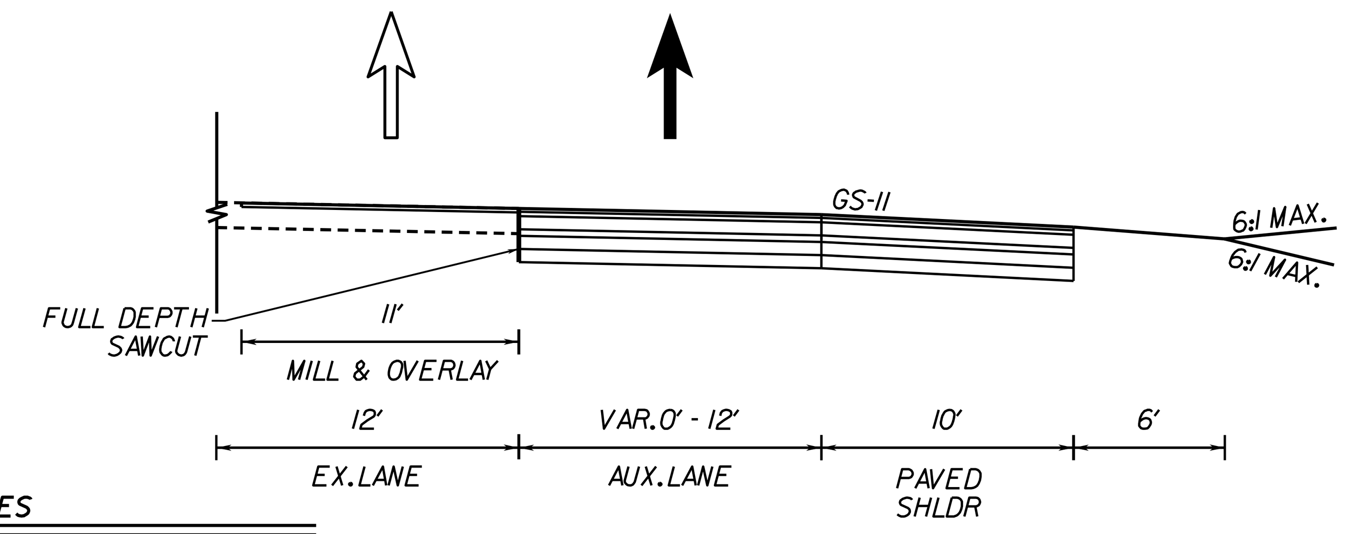
STA. 207+85 TO STA. 210+00



STA. 210+00 TO STA. 212+25



STA. 210+00 TO STA. 211+20



STA. 212+55 TO STA. 215+75
STA. 233+85 TO STA. 252+50

TYPICAL SECTION NOTES

1. See Sheet 2A(7) for Pavement Inset Details
2. St'd. UD-4 Req'd., see plan sheets for detailed locations.
3. Mill and Overlay/Variable Build-Up Limits shown on plan sheets 3 thru 24 govern over the typical ranges shown on this sheet.
4. Pavement widening to be performed in accordance with VDOT St'd. WP-2.
5. See drainage descriptions sheet 2K series for ditch typicals.
6. Contractor to provide positive drainage for subgrade course 21-B for outside areas in shoulders and superlevated sections.
7. Milling of the existing pavement should consist of 1.5" Minimum mill prior to any resurfacing.
8. Pavement widths vary at turn lanes, tapers and connections. See plan sheets and cross sections for pavement lengths and widths.
9. The mainline pavement section shall be applied up to the curb return of all connecting roads and entrances.

NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A(5)

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	2A(6)

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

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

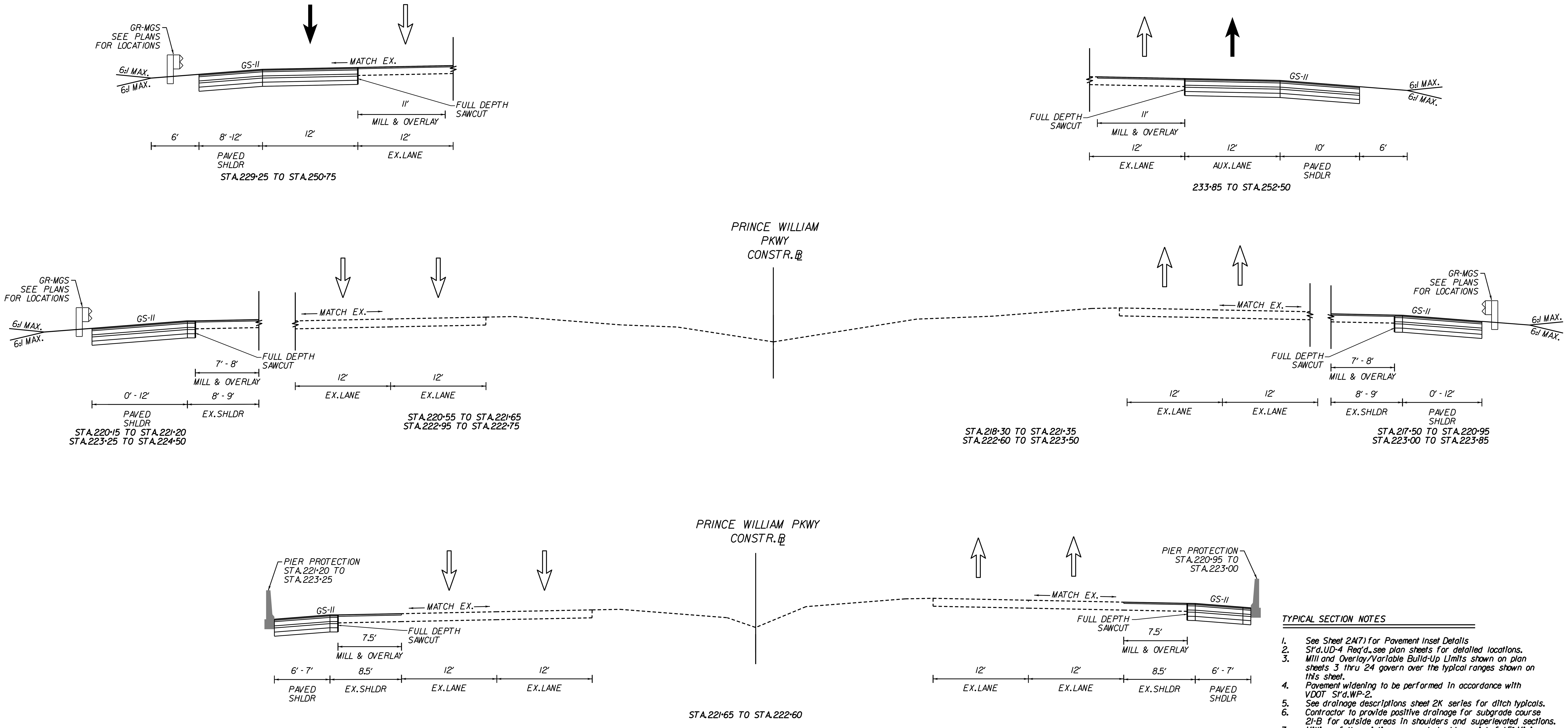
PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Typical Sections

(Not to Scale)

NOTE: PAVEMENT WIDTHS VARY AT TURN LANES, TAPERS AND CONNECTIONS. SEE PLAN SHEETS AND CROSS SECTIONS FOR PAVEMENT LENGTHS AND WIDTHS.

NOTE: PAVEMENT DESIGN TO BE PROVIDED UPON VDOT APPROVAL OF GEOTECHNICAL ANALYSIS



TYPICAL SECTION NOTES

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3. Mill and Overlay/Variable Build-Up Limits shown on plan sheets 3 thru 24 govern over the typical ranges shown on this sheet.
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NOT TO SCALE	VDOT PROJECT 6234-076-266	SHEET NO. 2A(6)

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

Rinker Design Associates, P.C.
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LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

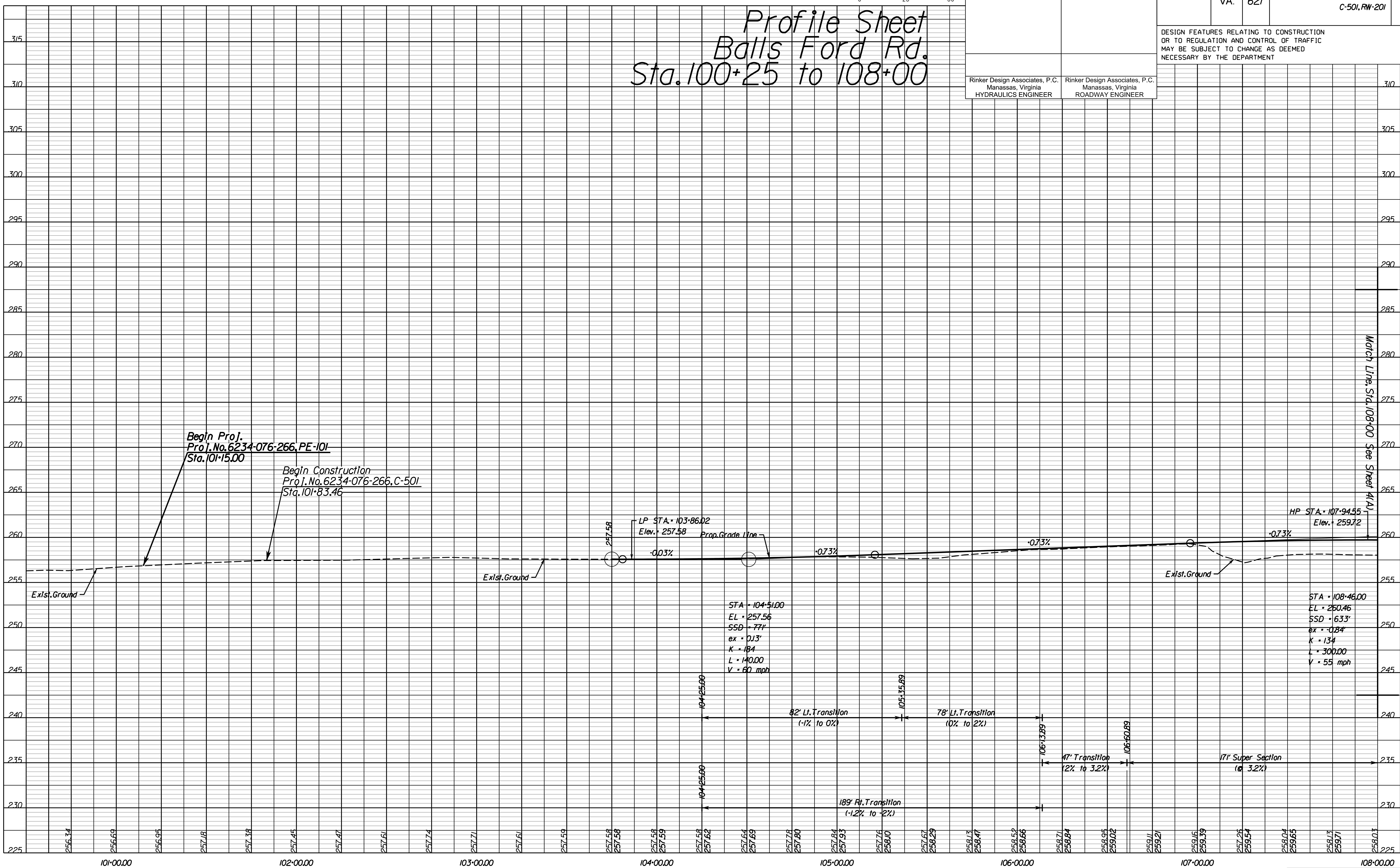
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	3A

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

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

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

Profile Sheet
Balls Ford Rd.
Sta. 100+25 to 108+00



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 3A

Rinker Design Associates, P.C.
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LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

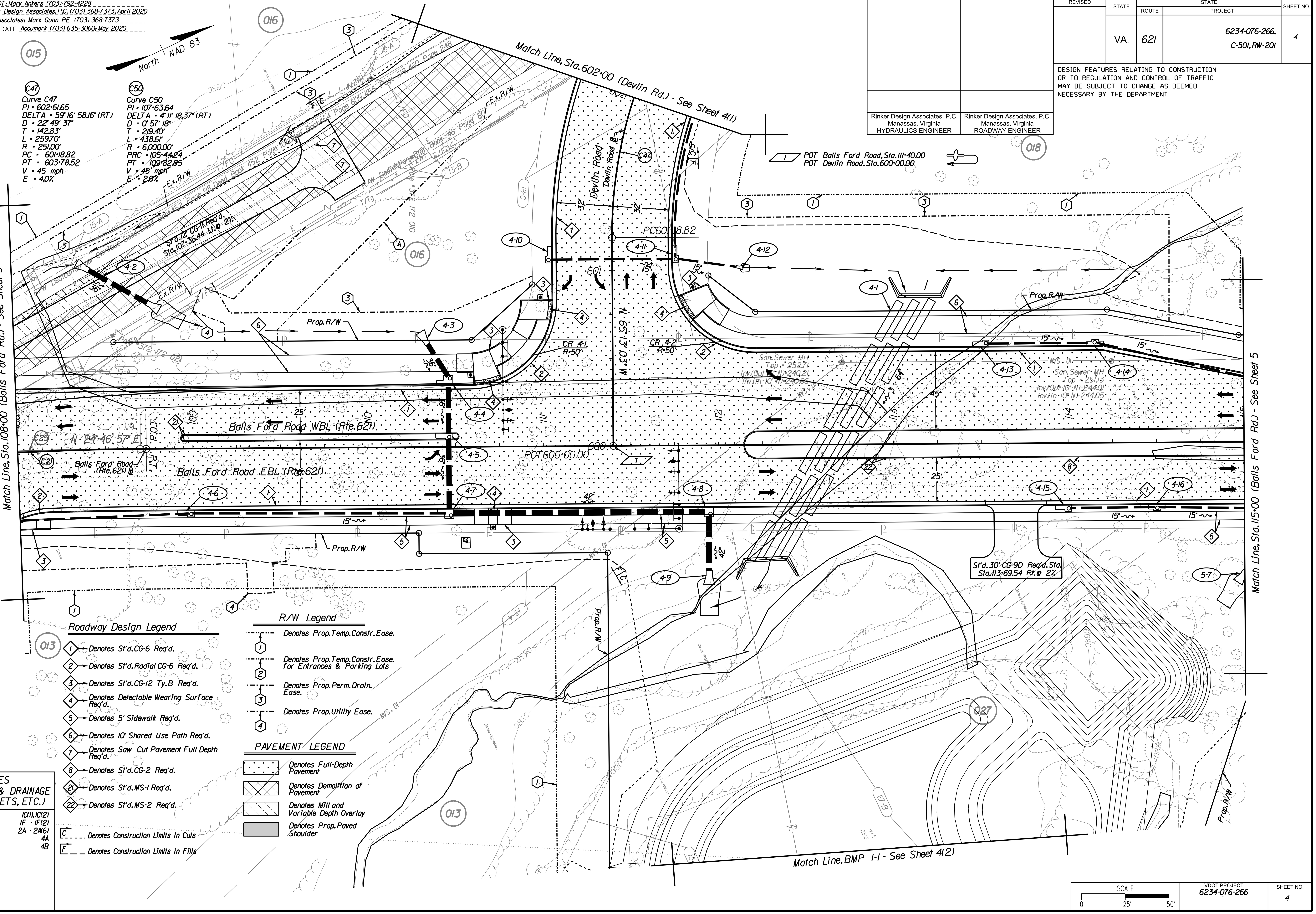
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	4

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

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020



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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2N(6)
Profile Route 621	4A
Profile Devlin Rd.	4B

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 4

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

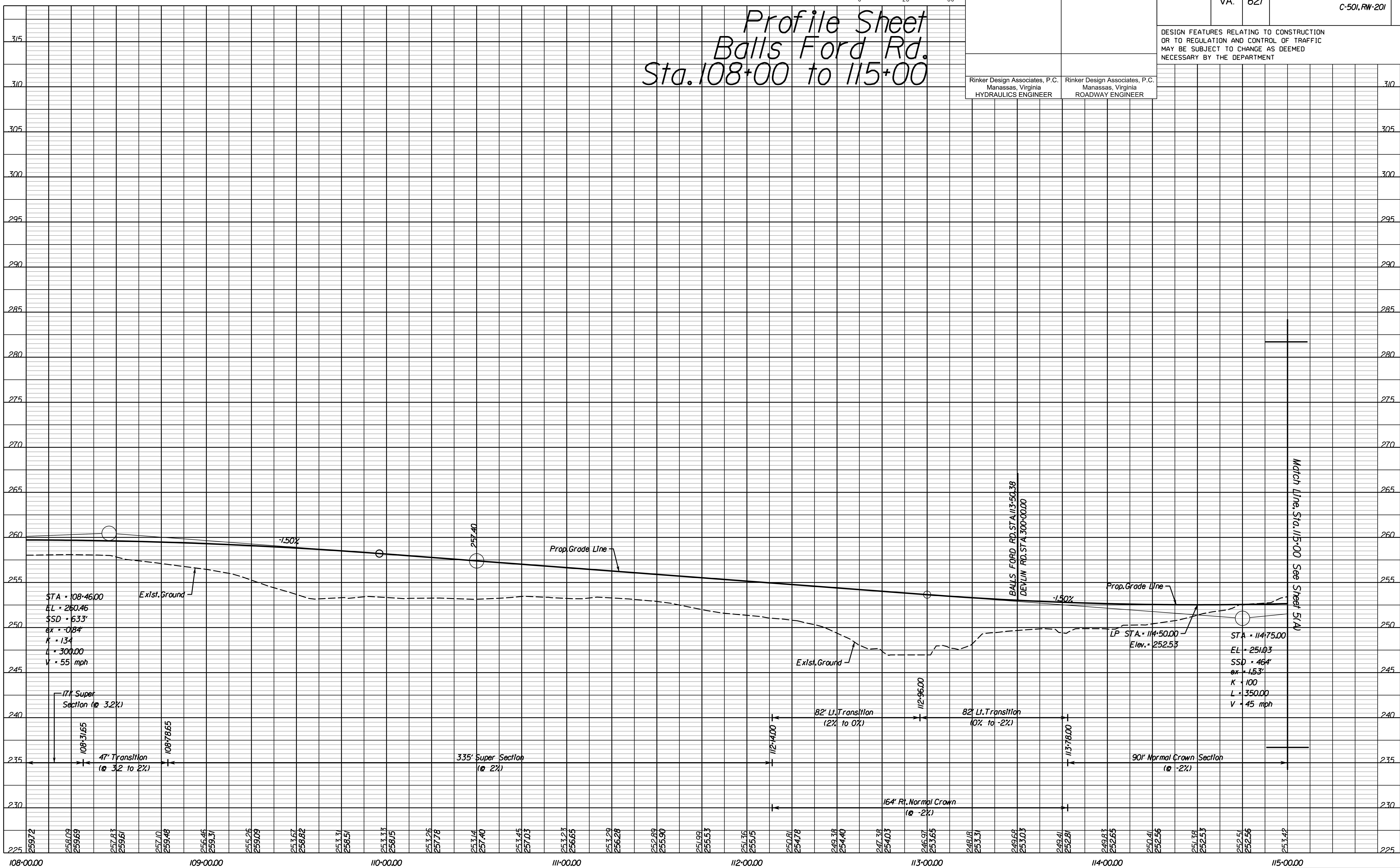
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	4A

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

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

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

Profile Sheet
Balls Ford Rd.
Sta. 108+00 to 115+00



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	4A

Rinker Design Associates, P.C.
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Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: July 2019

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	4B

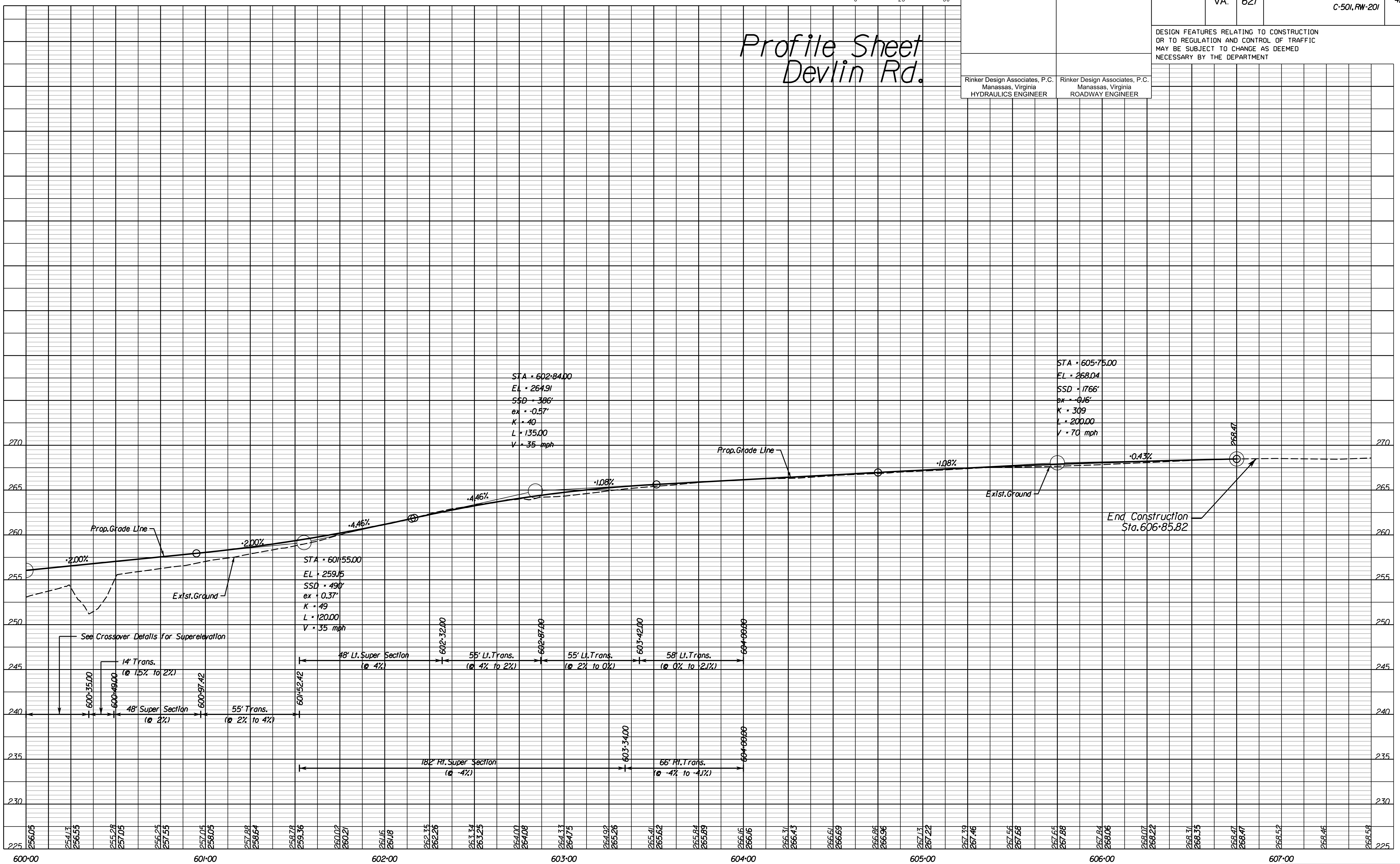
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

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

SCALE H= 25, V= 5

Profile Sheet
Devlin Rd.



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LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266	4B
PWC PROJECT SPR2019-00101	

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	4(1)

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

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

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

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Devlin Rd.	4B

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 4(1)

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

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SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

REVISED	STATE	STATE ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	4(2)

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

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

Rinker Design Associates, P.C.
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Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

C - - - - Denotes Construction Limits in Cuts
F — — Denotes Construction Limits in Fills

R/W Legend

(1) Denotes Prop. Temp. Constr. Ease.

(2) Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots

(3) Denotes Prop. Perm. Drain. Ease.

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	4(2)

PH PLAN

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	5

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

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

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

PROJECT MANAGER PWC DOT; Mary Ankers (703) 792-4228
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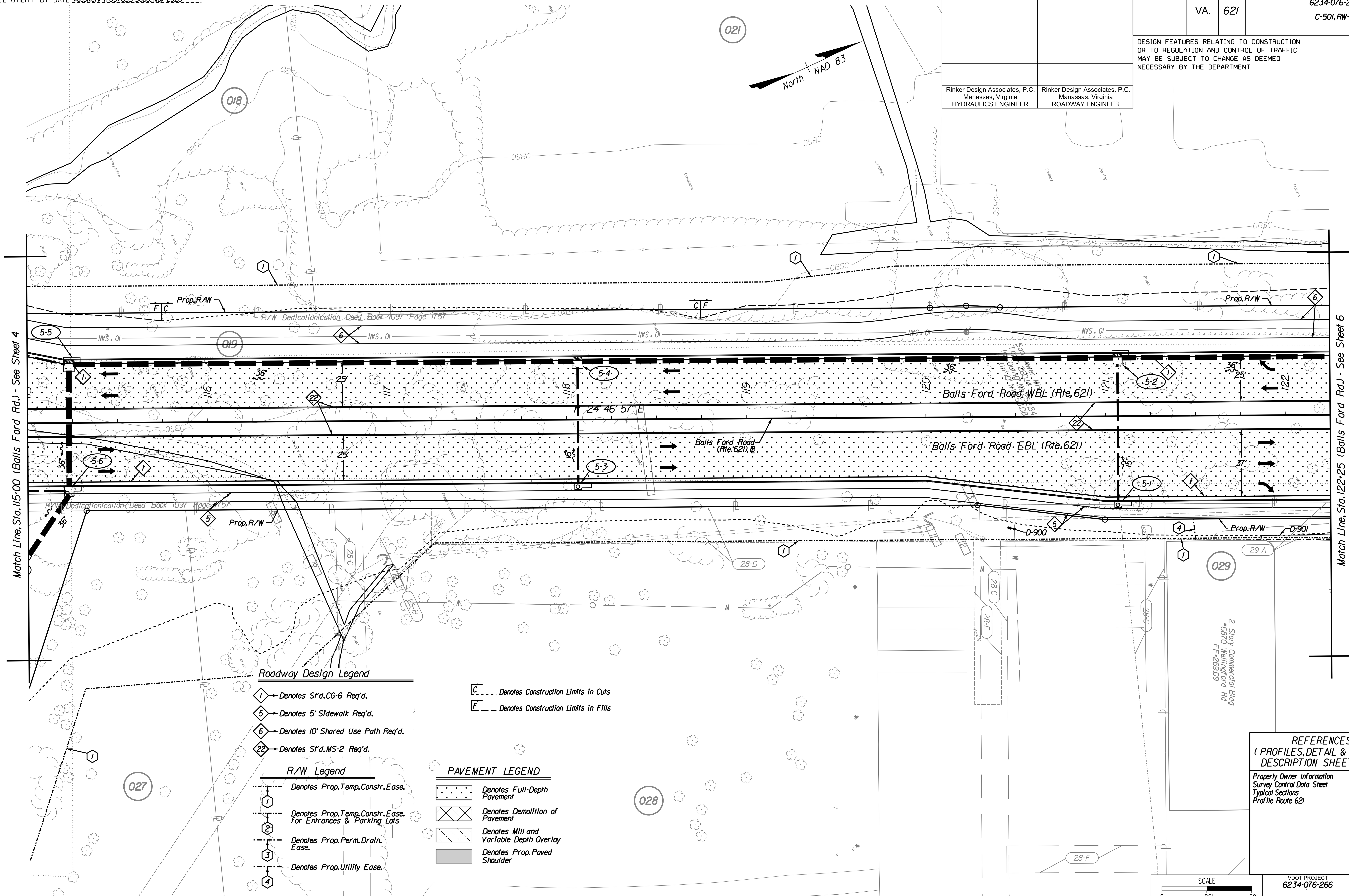
Rinker Design Associates, P.C.
Civil Engineering · Surveying · Land Planning
Transportation · Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT



Roadway Design Legend

- ⟨1⟩ Denotes Std. CG-6 Req'd.
- ⟨5⟩ Denotes 5' Sidewalk Req'd.
- ⟨6⟩ Denotes 10' Shared Use Path Req'd.
- ⟨22⟩ Denotes Std. MS-2 Req'd.

C - - - Denotes Construction Limits In Cuts
F — — Denotes Construction Limits In Fills

R/W Legend

- Denotes Prop. Temp. Constr. Ease. (1)
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots (2)
- Denotes Prop. Perm. Drain. Ease. (3)
- Denotes Prop. Utility Ease. (4)

PAVEMENT LEGEND

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	5A

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 5

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	5A

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DESIGN BY Rinker Design Associates; Mark Gunn, PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

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

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

Profile Sheet
Balls Ford Rd.
Sta. 115+00 to 122+25

VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 5A

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

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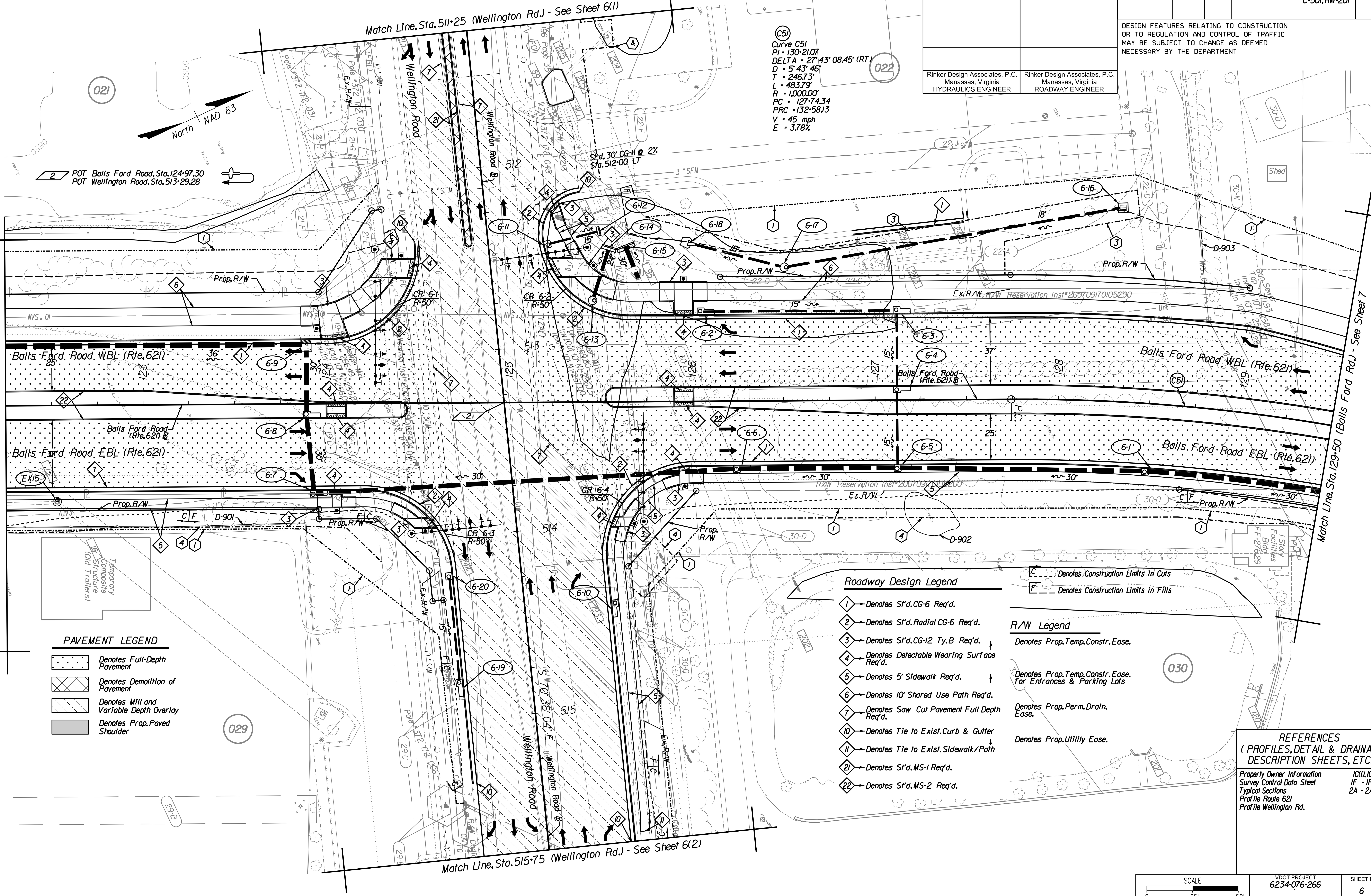
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	6

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

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

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

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020



PAVEMENT LEGEND

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

Roadway Design Legend

- 1 Denotes St'd. CG-6 Req'd.
- 2 Denotes St'd. Radial CG-6 Req'd.
- 3 Denotes St'd. CG-12 Ty. B Req'd.
- 4 Denotes Detectable Wearing Surface Req'd.
- 5 Denotes 5' Sidewalk Req'd.
- 6 Denotes 10' Shared Use Path Req'd.
- 7 Denotes Saw Cut Pavement Full Depth Req'd.
- 10 Denotes Tie to Exist. Curb & Gutter
- 11 Denotes Tie to Exist. Sidewalk/Path
- 21 Denotes St'd. MS-1 Req'd.
- 22 Denotes St'd. MS-2 Req'd.

C Denotes Construction Limits in Cuts
F Denotes Construction Limits in Fills

R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.
- Denotes Prop. Utility Ease.

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	6A
Profile Wellington Rd.	6B

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 6

Rinker Design Associates, P.C. Civil Engineering • Surveying • Land Planning Transportation • Environmental Right of Way Services

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	6A

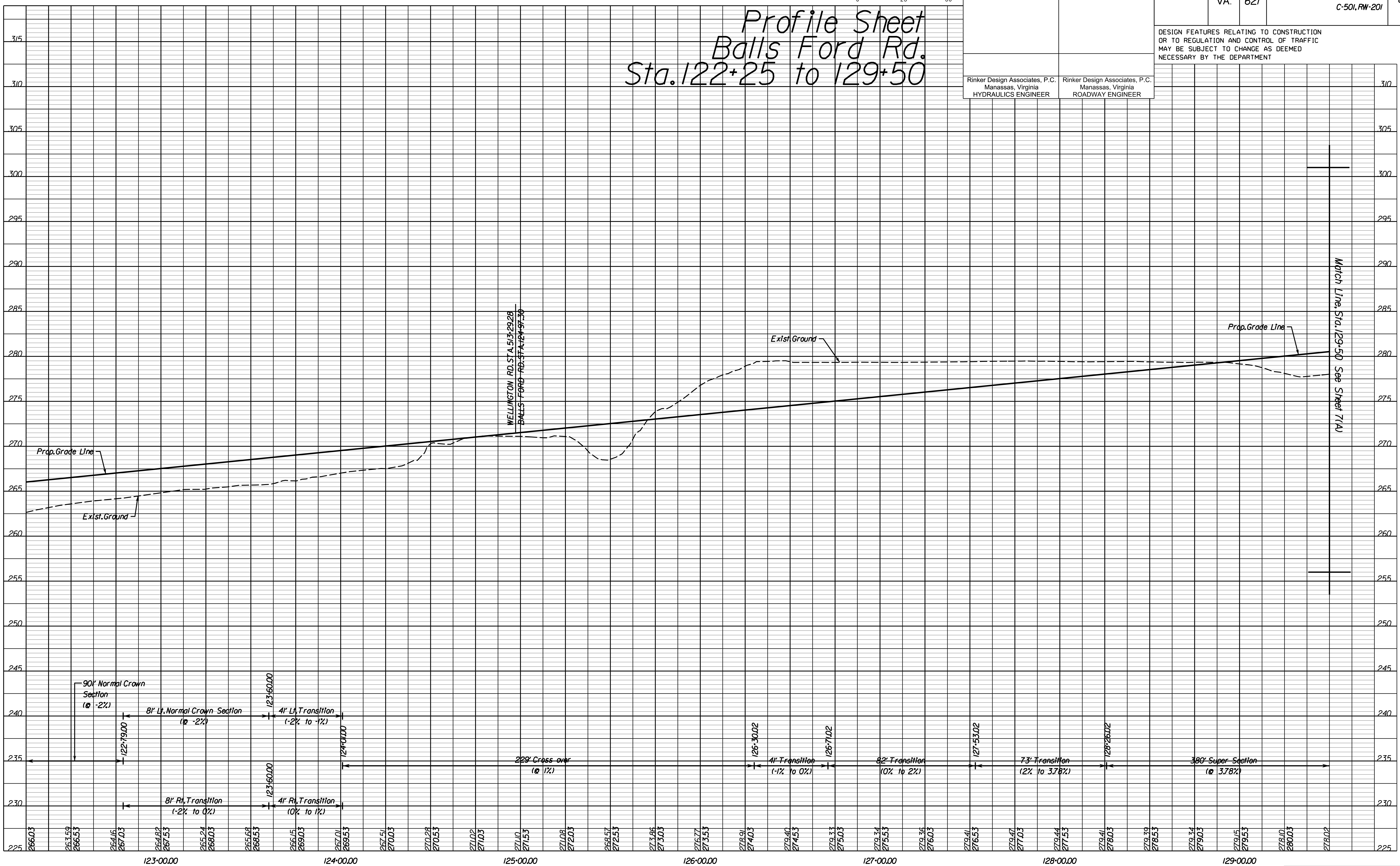
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

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

SCALE H= 25, V= 5

Profile Sheet Balls Ford Rd. Sta. 122+25 to 129+50



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	6A

Rinker Design Associates, P.C.

NOVA DISTRICT DESIGN UNIT

LANE

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
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DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

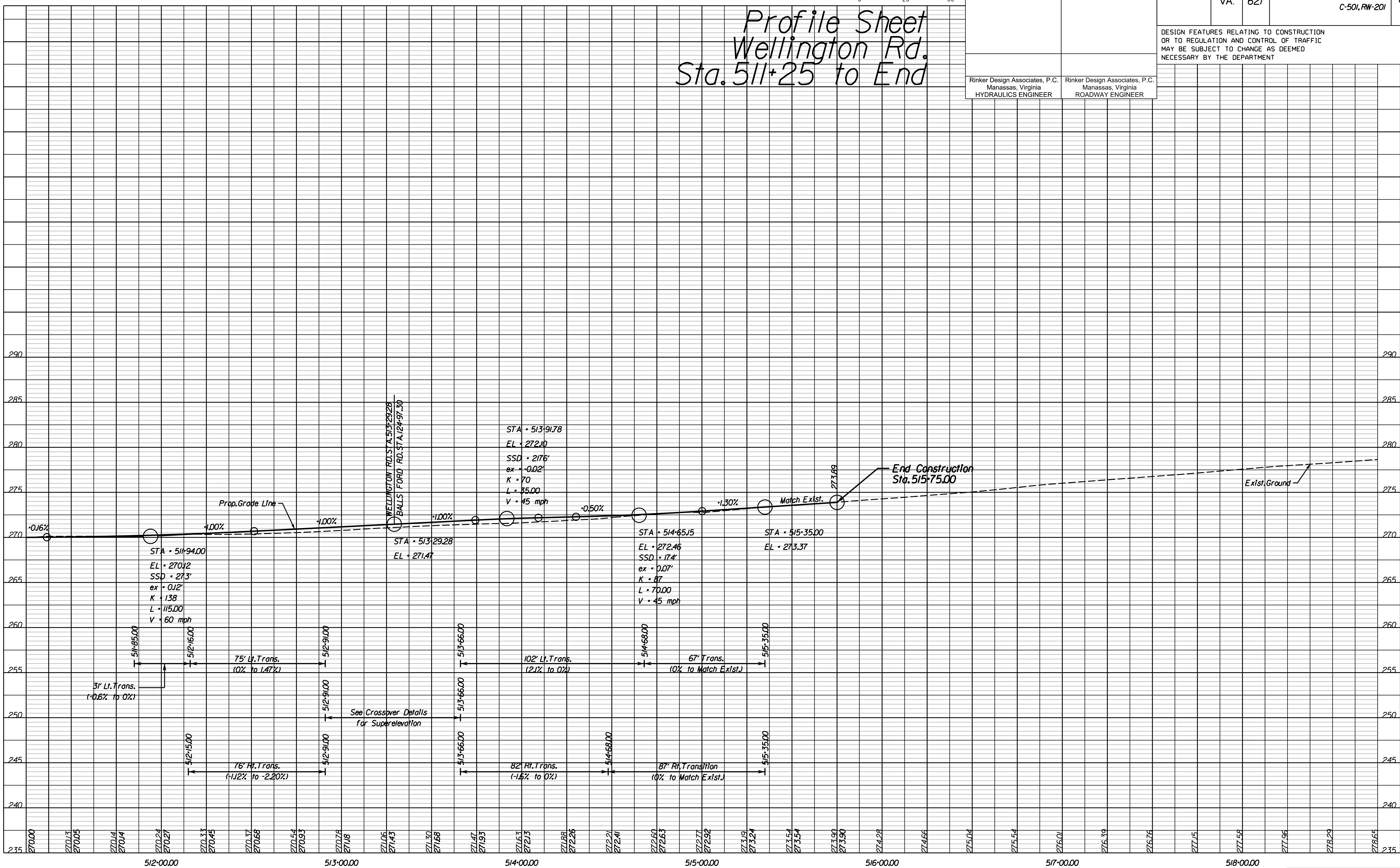
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	6(B)

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

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

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

Profile Sheet Wellington Rd. Sta. 511+25 to End



VDOT PROJECT	SHEET NO.
6234-076-266	6(B)
PWC PROJECT SPR2019-00101	

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	6(1)

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

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

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Wellington Rd.	6(1A)

SCALE	VDOT PROJECT	SHEET NO.
0 25' 50'	6234-076-266	6(1)

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	6(1A)

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 PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
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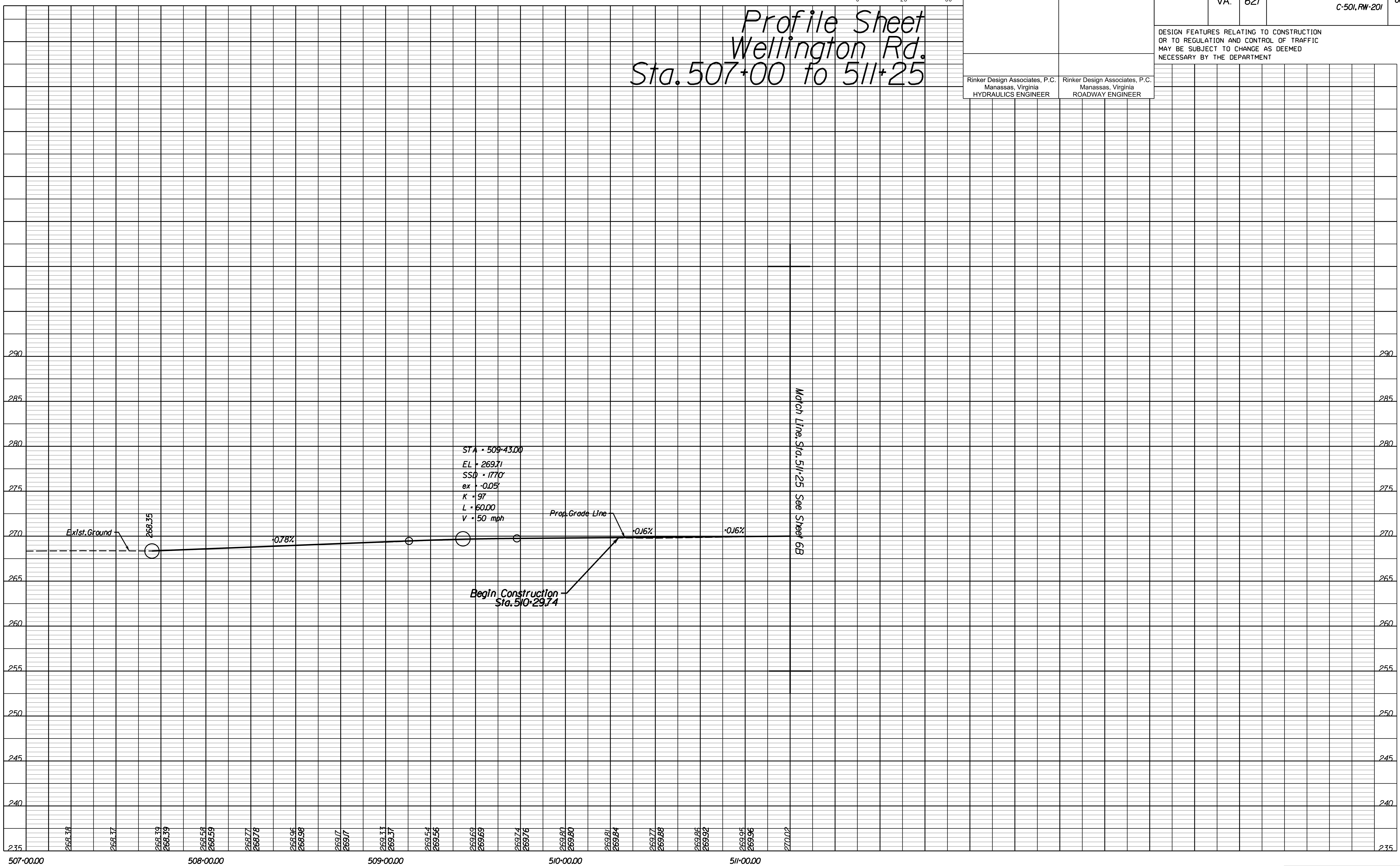
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

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

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

Profile Sheet
Wellington Rd.
Sta. 507+00 to 511+25



VDOT PROJECT 6234-076-266
PWC PROJECT SPR2019-00101
SHEET NO. 6(1A)

PH PLAN

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NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	6(2)

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

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

Rinker Design Associates, P.C.
Civil Engineering · Surveying · Land Planning · Transportation · Environmental · Right of Way Services
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

R/W Legend

Denotes Prop. Temp. Constr. Ease. (1)

Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots (2)

Denotes Prop. Perm. Drain. Ease. (3)

Denotes Prop. Utility Ease. (4)

C - - - Denotes Construction Limits in Cuts

F — — Denotes Construction Limits in Fills

PAVEMENT LEGEND

Denotes Full-Depth Pavement

Denotes Demolition of Pavement

Denotes Mill and Variable Depth Overlay

Denotes Prop. Paved Shoulder

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	6(2)

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	7

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

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

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

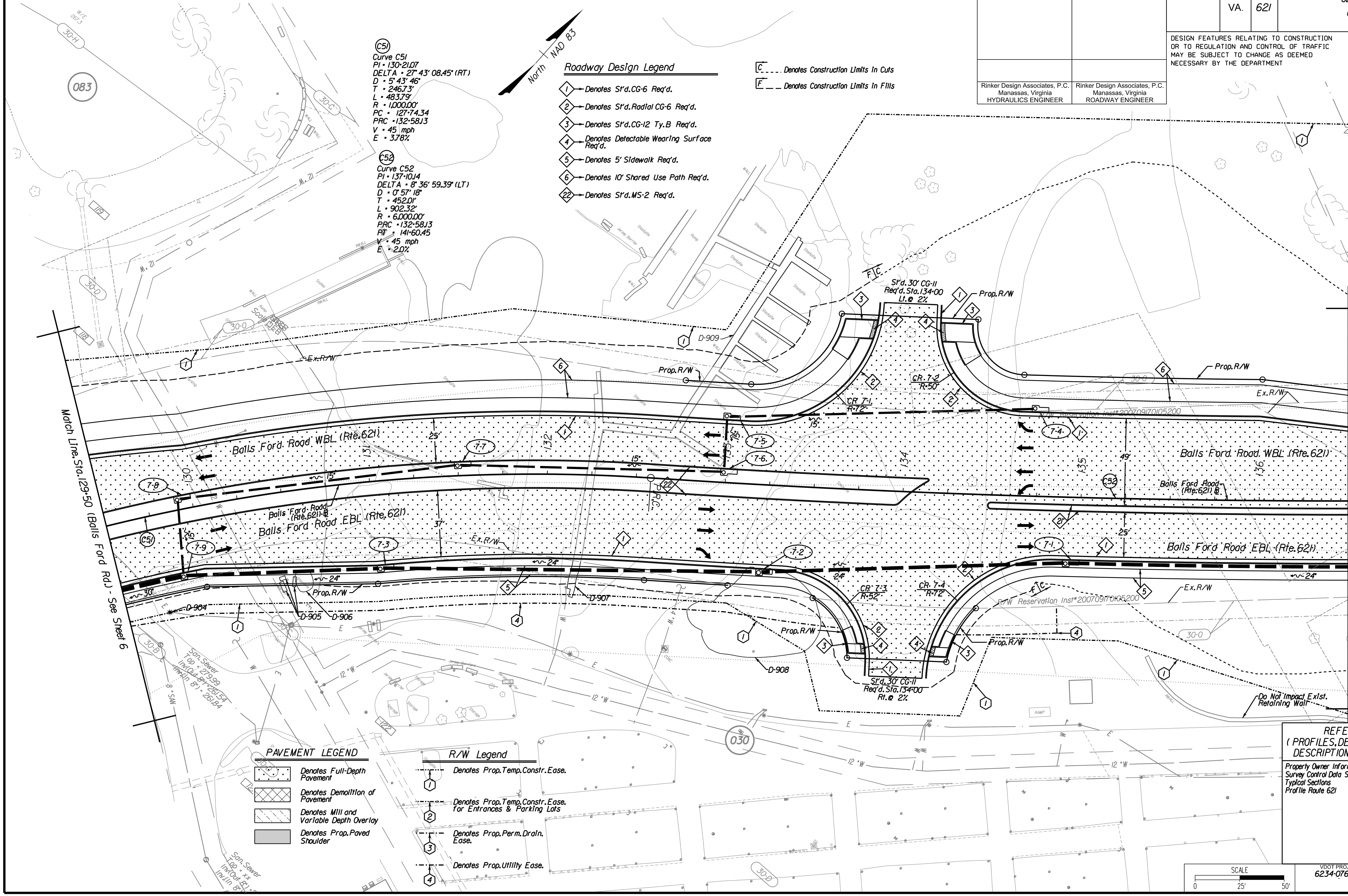
PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

Office Locations
11100 Endeavor Court, Suite 200, Manassas, VA 20109, Phone: (703) 368-7373, Fax: (703) 257-5443
4301 Dominion Boulevard, Suite 100, Glen Allen, VA 23060, Phone: (804) 612-0665, Fax: (804) 612-0668
927 Maple Grove Drive, Suite 105, Fredericksburg, VA 22407, Phone: (540) 548-4470, Fax: (540) 548-4471
4500 Main Street, Suite 310, Virginia Beach, VA 23462, Phone: (757-390-4422, Fax: (757) xxx-xxxx

LANE

NOVA DISTRICT DESIGN UNIT



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

Property Owner Information	IC(1), IC(2)
Survey Control Data Sheet	IF - IF(2)
Typical Sections	2A - 2A(6)
Profile Route 621	7A

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	7

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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: July 2019

SCALE H= 25, V= 5

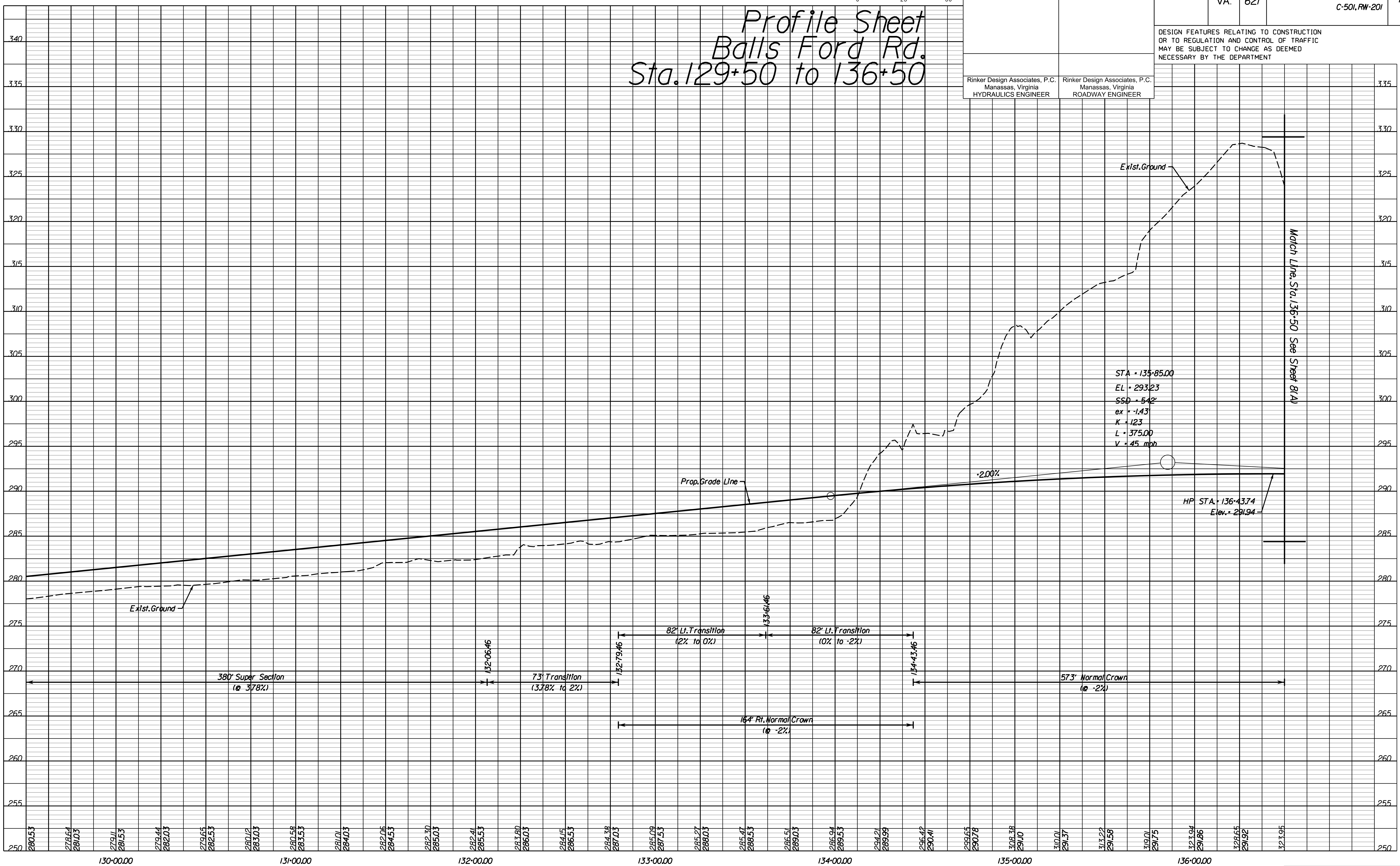
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	7A

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

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

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

Profile Sheet Balls Ford Rd. Sta.129+50 to 136+50



VDOT PROJECT	SHEET NO.
6234-076-266	7A
PWC PROJECT SPR2019-00101	

PH PLAN

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Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	8

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

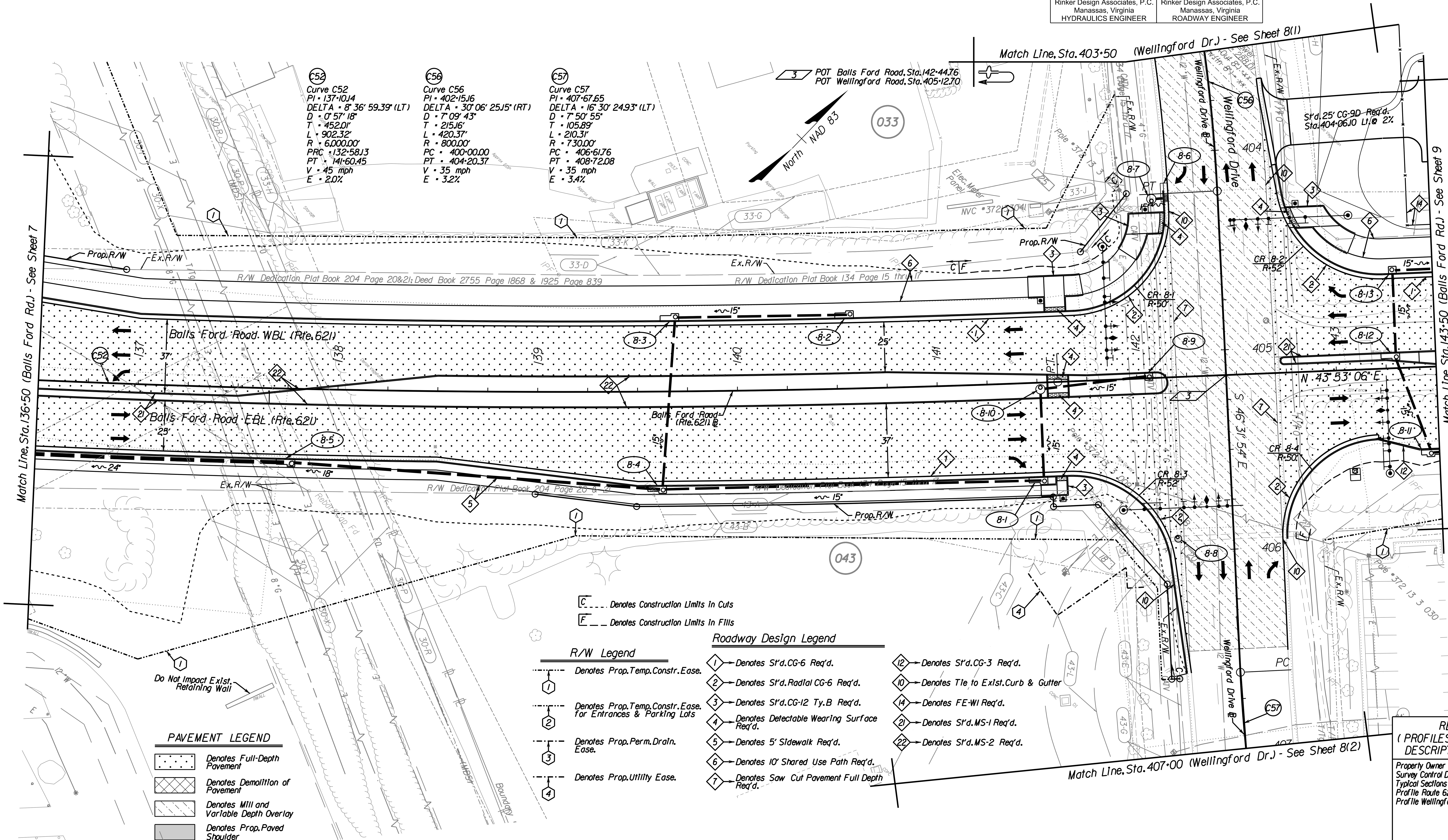
Rinker Design Associates, P.C.
Manassas, Virginia
HYDRAULICS ENGINEER

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

Rinker Design Associates, P.C.

NOVA DISTRICT DESIGN UNIT

LANE



C - - - Denotes Construction Limits in Cuts
F - - - Denotes Construction Limits in Fills

R/W Legend

1. Denotes Prop. Temp. Constr. Ease.
2. Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
3. Denotes Prop. Perm. Drain. Ease.
4. Denotes Prop. Utility Ease.

Roadway Design Legend

- 1 — Denotes Std. CG-6 Req'd.
- 2 — Denotes Std. Radial CG-6 Req'd.
- 3 — Denotes Std. CG-12 Ty. B Req'd.
- 4 — Denotes Detectable Wearing Surface Req'd.
- 5 — Denotes 5' Sidewalk Req'd.
- 6 — Denotes 10' Shared Use Path Req'd.
- 7 — Denotes Saw Cut Pavement Full Depth Req'd.
- 12 — Denotes Std. CG-3 Req'd.
- 10 — Denotes Tie to Exist. Curb & Gutter
- 14 — Denotes FE-W1 Req'd.
- 21 — Denotes Std. MS-1 Req'd.
- 22 — Denotes Std. MS-2 Req'd.

PAVEMENT LEGEND

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	8A
Profile Wellingford Dr.	8B

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	8

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

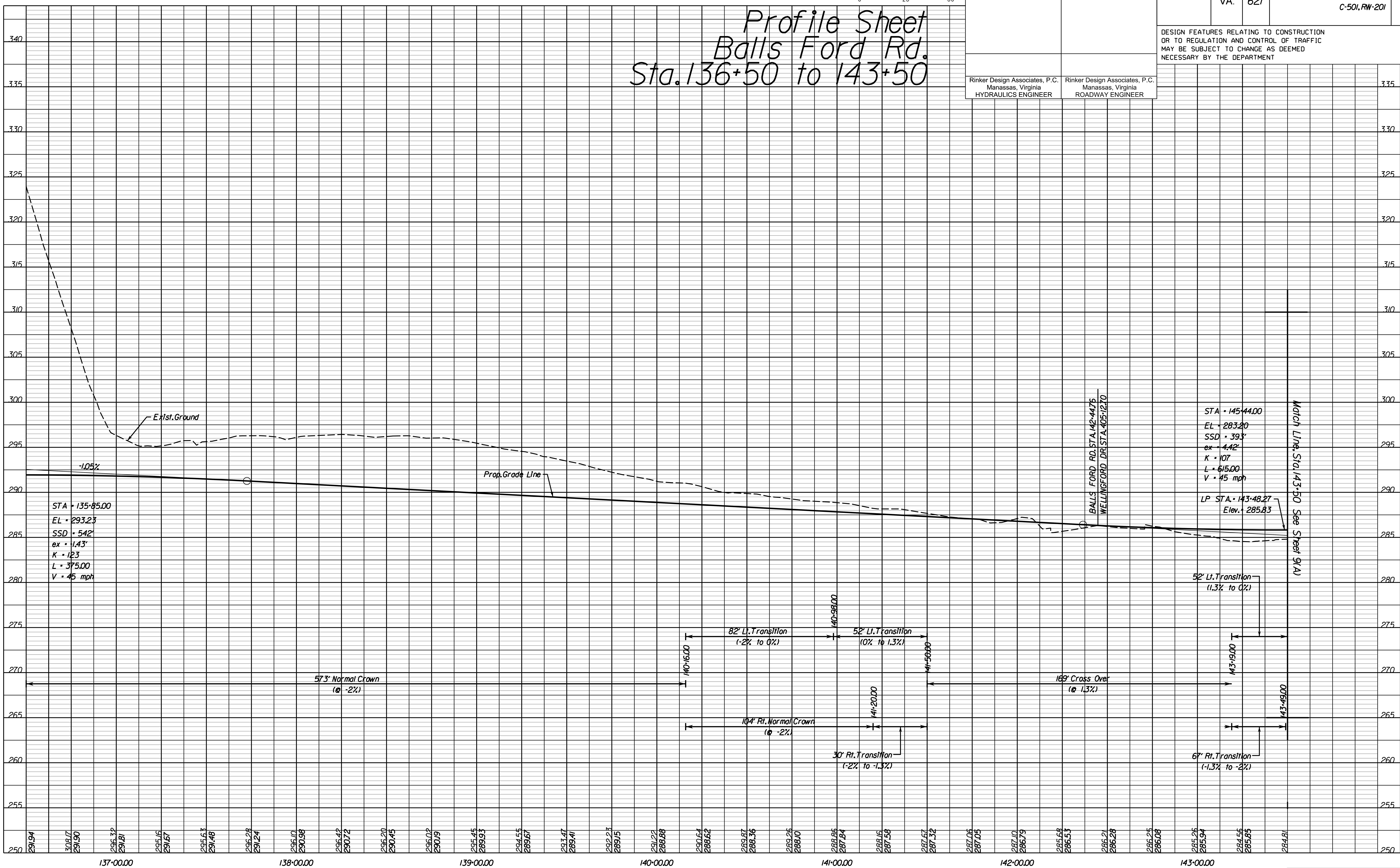
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	8A

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

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

Profile Sheet
Balls Ford Rd.
Sta. 136+50 to 143+50

SCALE H= 25, V= 5



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	8A

PH PLAN

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Rinker Design Associates, P.C.

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	8B

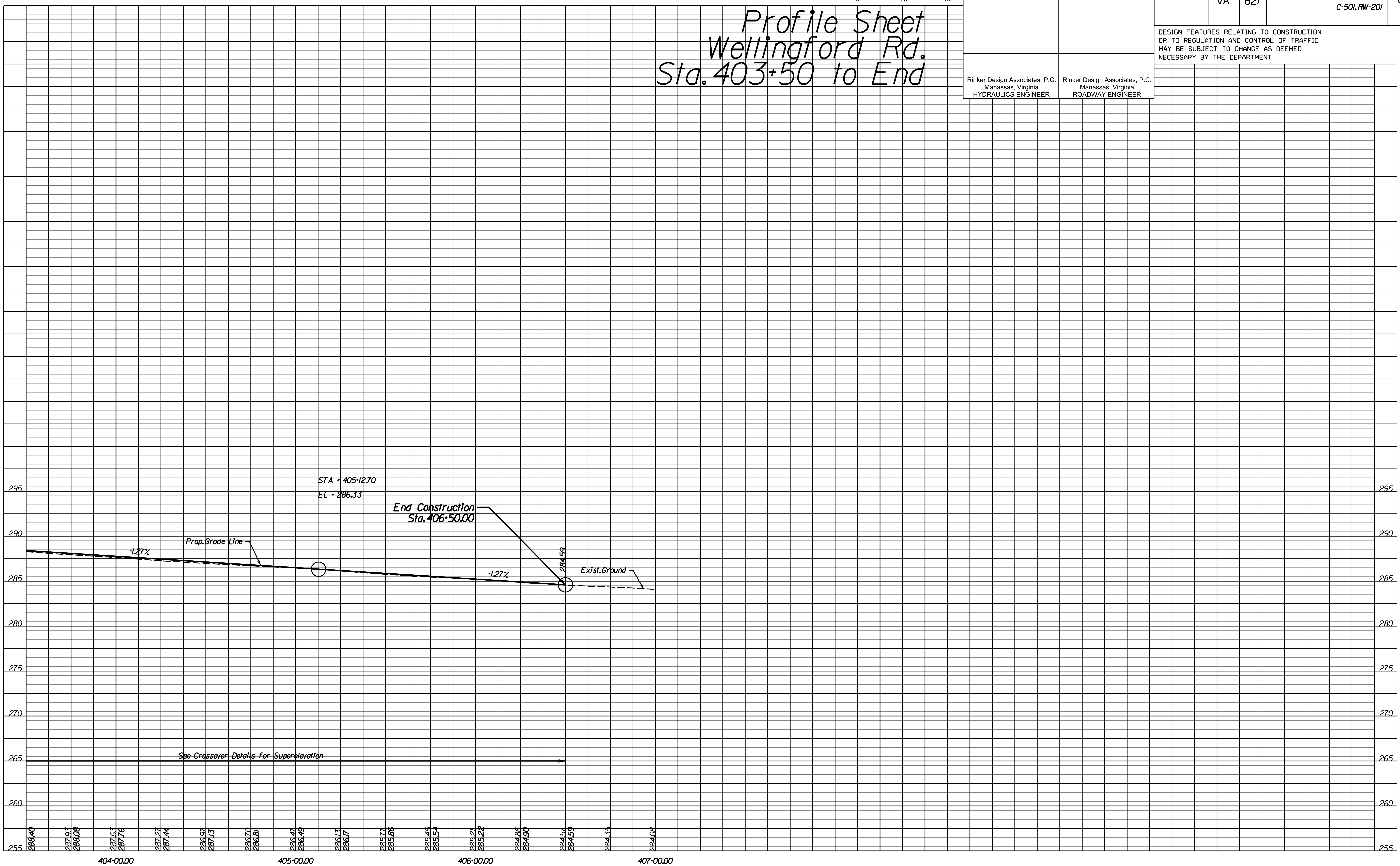
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

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

Profile Sheet
Wellingford Rd.
Sta. 403+50 to End

SCALE H= 25, V= 5



Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	8B

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	8(1)

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

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

Rinker Design Associates, P.C.

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Wellingford Dr.	8(1A)

SCALE	VDOT PROJECT	SHEET NO.
0 25' 50'	6234-076-266	8(1)

PH PLAN

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SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

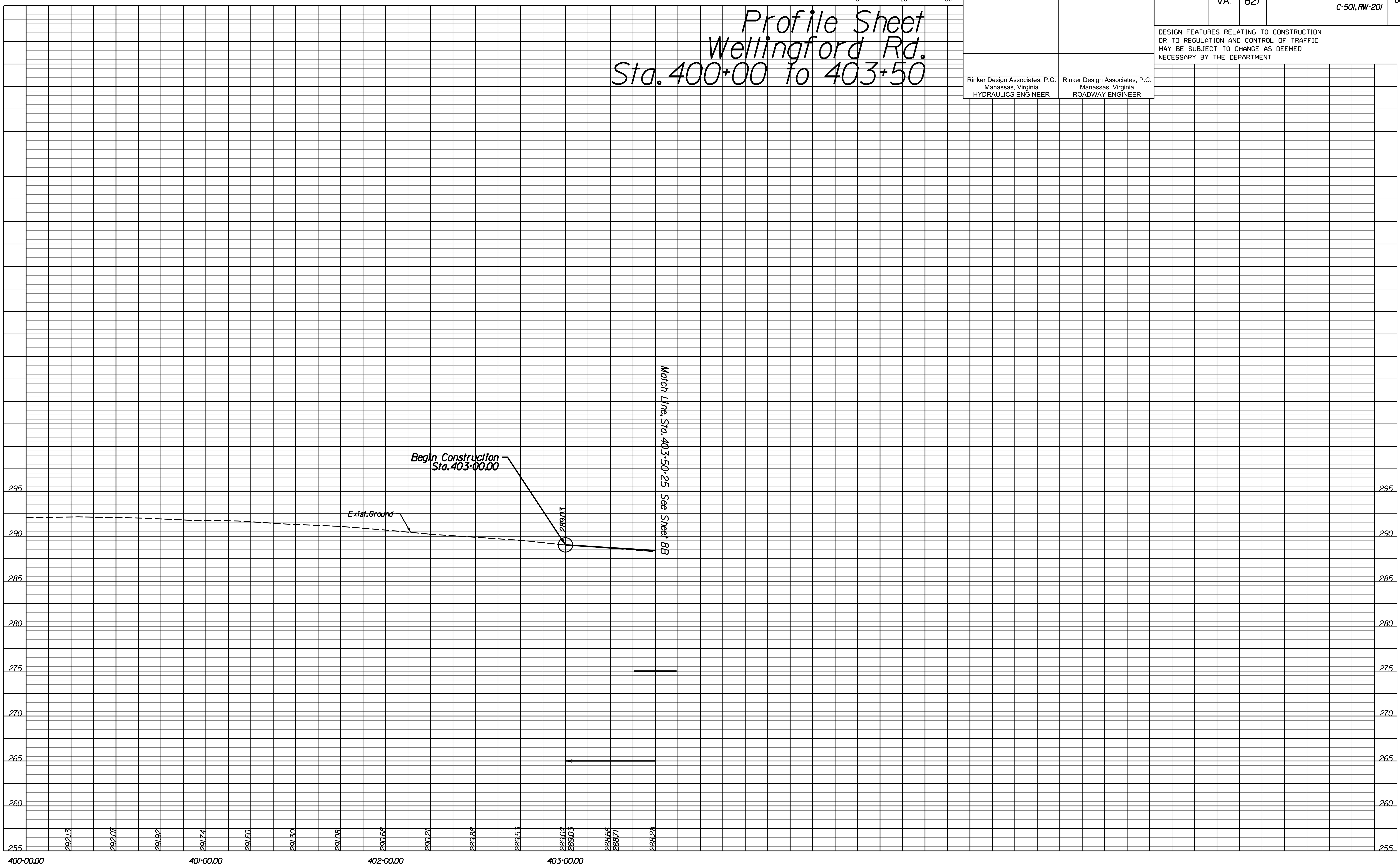
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	8(1A)

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

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

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

Profile Sheet
Wellingford Rd.
Sta. 400+00 to 403+50



Rinker Design Associates, P.C.
Civil Engineering · Surveying · Land Planning · Transportation · Environmental · Right of Way Services

Office Locations

4500 Main Street
Suite 310
Virginia Beach, VA 23462
Phone: (757-390-4422
Fax: (757) xxx-xxxx

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	8(1A)

PH PLAN

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

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	8(2)

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

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

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

Rinker Design Associates, P.C.
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

R/W Legend

1 Denotes Prop. Temp. Constr. Ease.

2 Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots

3 Denotes Prop. Perm. Drain. Ease.

4 Denotes Prop. Utility Ease.

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

C57
Curve C57
PI = 407+67.65
DELTA = 16° 30' 24.93" (LT)
D = 7° 50' 55"
T = 105.89'
L = 210.31'
R = 730.00'
PC = 406+61.76
PT = 408+72.08
V = 35 mph
E = 3.4%

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	8(2)

PH PLAN

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	9

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

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

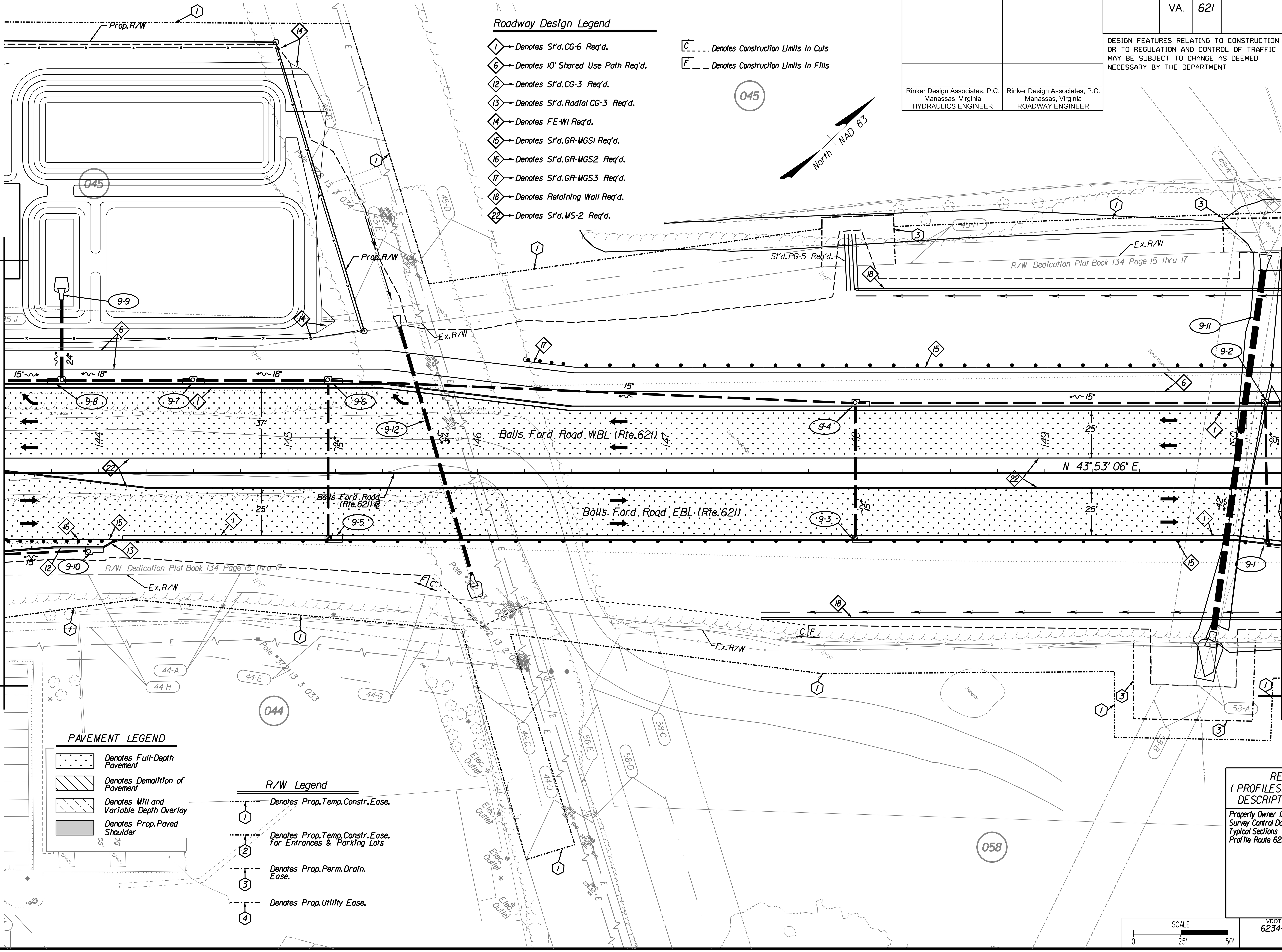
Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT



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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	9A

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	9

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

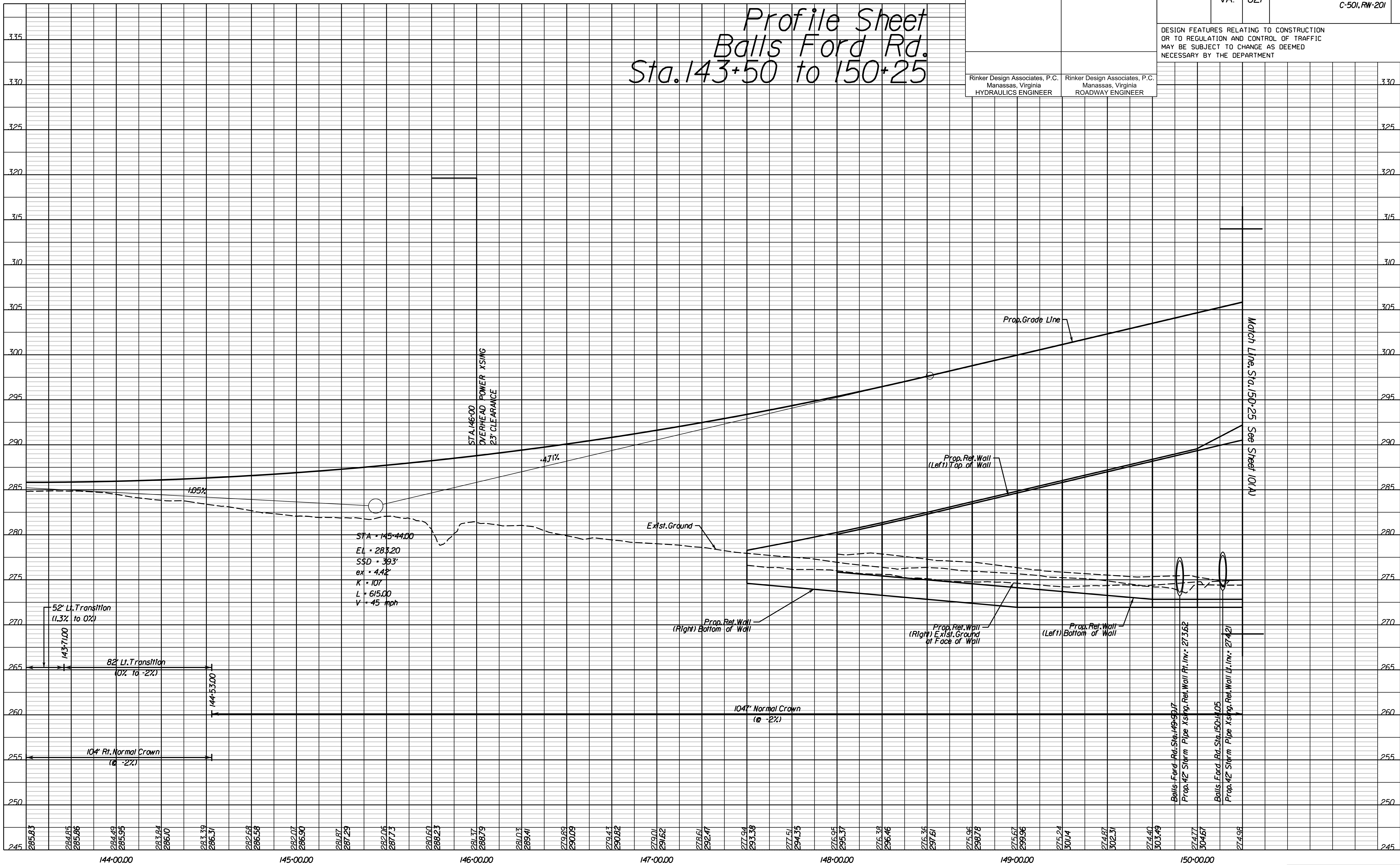
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	9A

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

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

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

Profile Sheet
Balls Ford Rd.
Sta. 143+50 to 150+25



VDOT PROJECT	SHEET NO.
6234-076-266	9A
PWC PROJECT SPR2019-00101	

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	10A

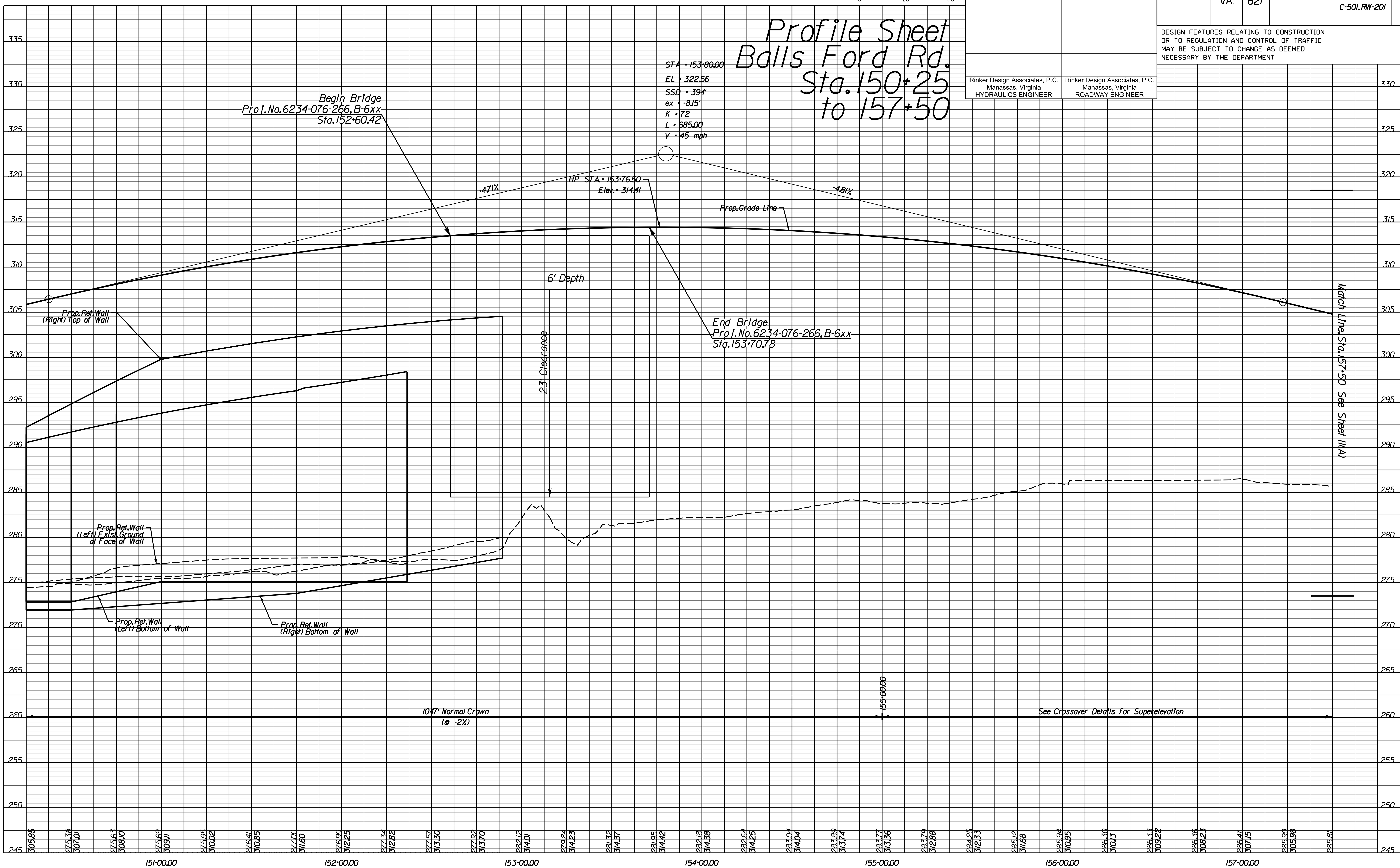
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

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

SCALE H= 25, V= 5

Profile Sheet Balls Ford Rd. Sta. 150+25 to 157+50



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	10A

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	11

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

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

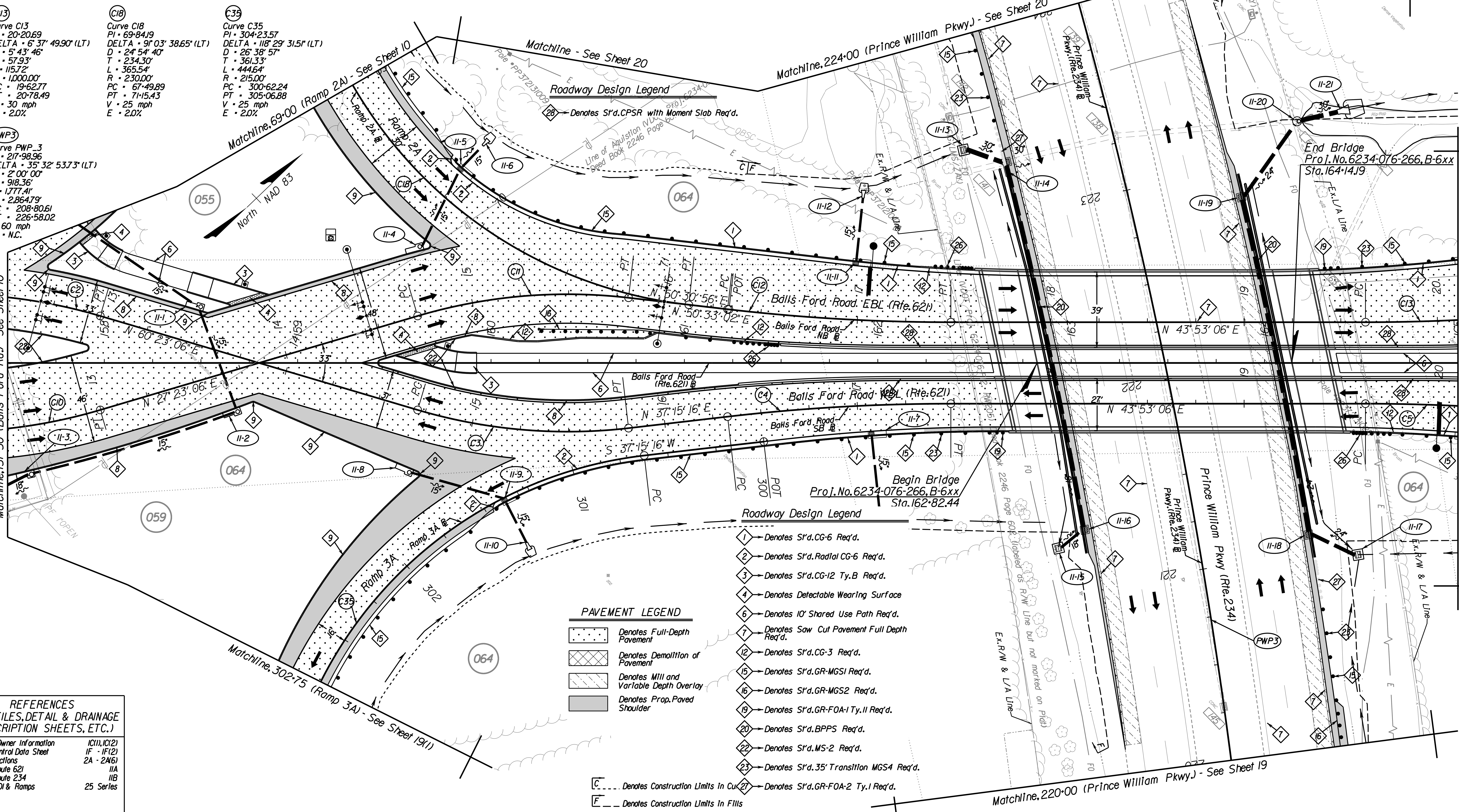
Rinker Design Associates, P.C. Manassas, Virginia ROADWAY ENGINEER

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

Curve C2	Curve C3	Curve C4	Curve C5	Curve C10	Curve C11	Curve C12
PI = 12+45.35	PI = 15+26.74	PI = 16+90.57	PI = 20+20.69	PI = 12+45.35	PI = 15+26.74	PI = 16+90.57
DELTA = 23° 07' 49.90" (RT)	DELTA = 23° 07' 49.90" (LT)	DELTA = 6° 37' 49.90" (RT)	DELTA = 6° 37' 49.90" (RT)	DELTA = 23° 07' 49.90" (LT)	DELTA = 23° 07' 49.90" (RT)	DELTA = 6° 37' 49.90" (LT)
D = 20° 59' 15"	D = 20° 59' 15"	D = 5° 43' 46"	D = 5° 43' 46"	D = 20° 59' 15"	D = 20° 59' 15"	D = 5° 43' 46"
T = 55.87'	T = 55.87'	T = 57.93'	T = 57.93'	T = 55.87'	T = 55.87'	T = 57.93'
L = 110.21'	L = 110.21'	L = 115.72'	L = 115.72'	L = 110.21'	L = 110.21'	L = 115.72'
R = 273.00'	R = 273.00'	R = 1,000.00'	R = 1,000.00'	R = 273.00'	R = 273.00'	R = 1,000.00'
PC = 11+89.49	PC = 14+70.88	PC = 16+32.64	PC = 19+62.77	PC = 11+89.49	PC = 14+70.88	PC = 16+32.64
PT = 12+99.70	PT = 15+81.09	PT = 17+48.37	PT = 20+78.49	PT = 12+99.70	PT = 15+81.09	PT = 17+48.37
V = 30 mph	V = 30 mph	V = 30 mph	V = 30 mph	V = 30 mph	V = 30 mph	V = 30 mph
E = 2.0%	E = 2.0%	E = 2.0%	E = 2.0%	E = 2.0%	E = 2.0%	E = 2.0%

Curve C13	Curve C18	Curve C35
PI = 20+20.69	PI = 69+84.19	PI = 304+23.57
DELTA = 6° 37' 49.90" (LT)	DELTA = 91° 03' 38.65" (LT)	DELTA = 118° 29' 31.51" (LT)
D = 5° 43' 46"	D = 24° 54' 40"	D = 26° 38' 57"
T = 57.93'	T = 234.30'	T = 361.33'
L = 115.72'	L = 365.54'	L = 444.64'
R = 1,000.00'	R = 230.00'	R = 215.00'
PC = 19+62.77	PC = 67+49.89	PC = 300+62.24
PT = 20+78.49	PT = 71+15.43	PT = 305+06.88
V = 30 mph	V = 25 mph	V = 25 mph
E = 2.0%	E = 2.0%	E = 2.0%

Curve PWP_3
PI = 217+98.96
DELTA = 35° 32' 53.73" (LT)
D = 2° 00' 00"
T = 918.36'
L = 1,777.41'
R = 2,864.79'
PC = 208+80.61
PT = 226+58.02
V = 60 mph
E = N.C.



Roadway Design Legend

28 - Denotes St'd.CPSR with Moment Slab Req'd.

PAVEMENT LEGEND

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

Roadway Design Legend

- 1 - Denotes St'd.CG-6 Req'd.
- 2 - Denotes St'd.Radial CG-6 Req'd.
- 3 - Denotes St'd.CG-12 Ty.B Req'd.
- 4 - Denotes Detectable Wearing Surface
- 6 - Denotes 10' Shared Use Path Req'd.
- 7 - Denotes Saw Cut Pavement Full Depth Req'd.
- 12 - Denotes St'd.CG-3 Req'd.
- 15 - Denotes St'd.GR-MGS1 Req'd.
- 16 - Denotes St'd.GR-MGS2 Req'd.
- 19 - Denotes St'd.GR-FOA-1 Ty.II Req'd.
- 20 - Denotes St'd.BPPS Req'd.
- 22 - Denotes St'd.MS-2 Req'd.
- 23 - Denotes St'd.35' Transition MGS4 Req'd.
- 27 - Denotes St'd.GR-FOA-2 Ty.I Req'd.

C - Denotes Construction Limits in Cuts

F - Denotes Construction Limits in Fills

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	11A
Profile Route 234	11B
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'

VDOT PROJECT 6234-076-266 SHEET NO. 11

PH PLAN

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Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning - Transportation - Environmental - Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	11A

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

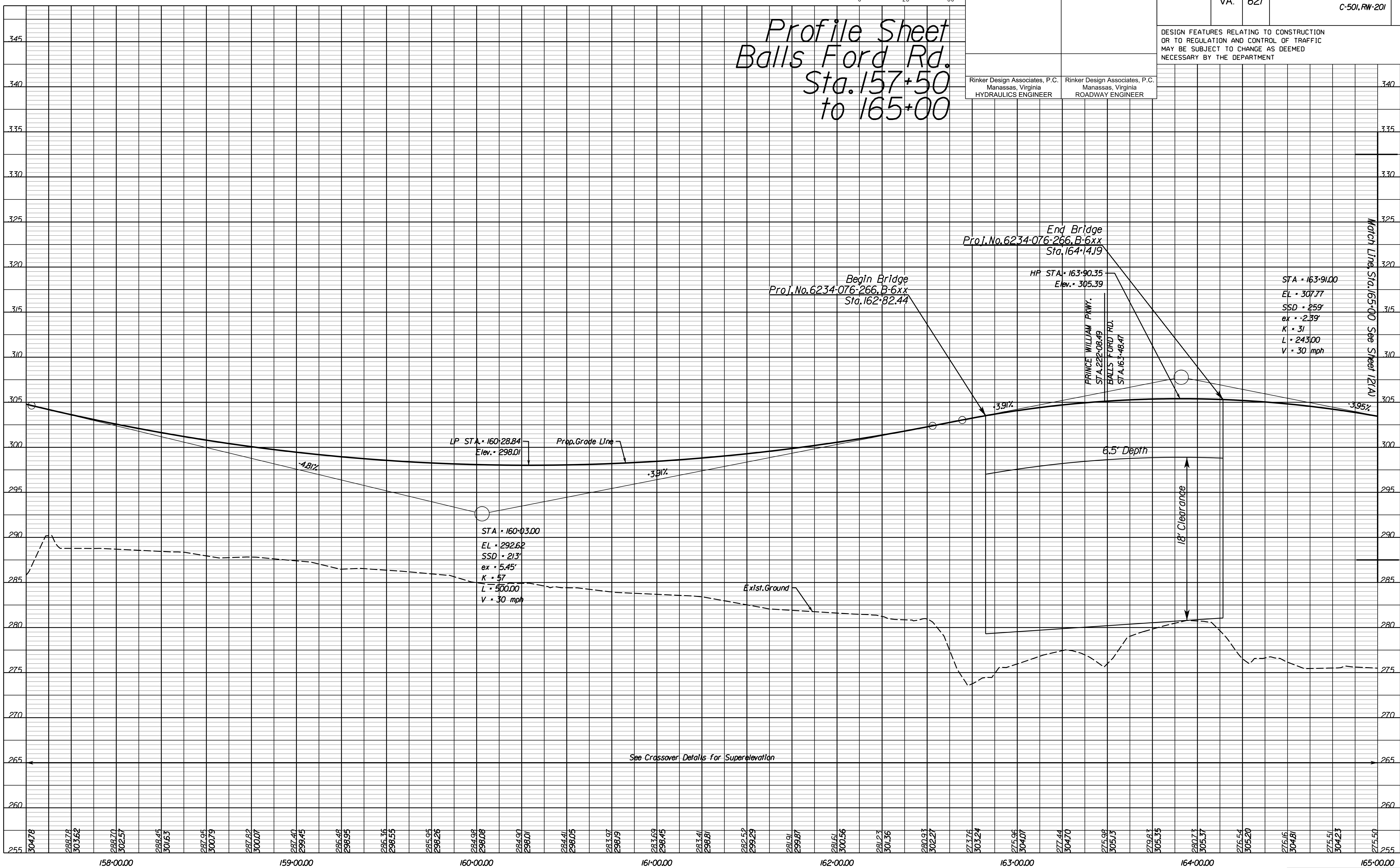
Rinker Design Associates, P.C.
Manassas, Virginia
HYDRAULICS ENGINEER

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

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

Profile Sheet Balls Ford Rd. Sta. 157+50 to 165+00



VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 11A

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: July 2019

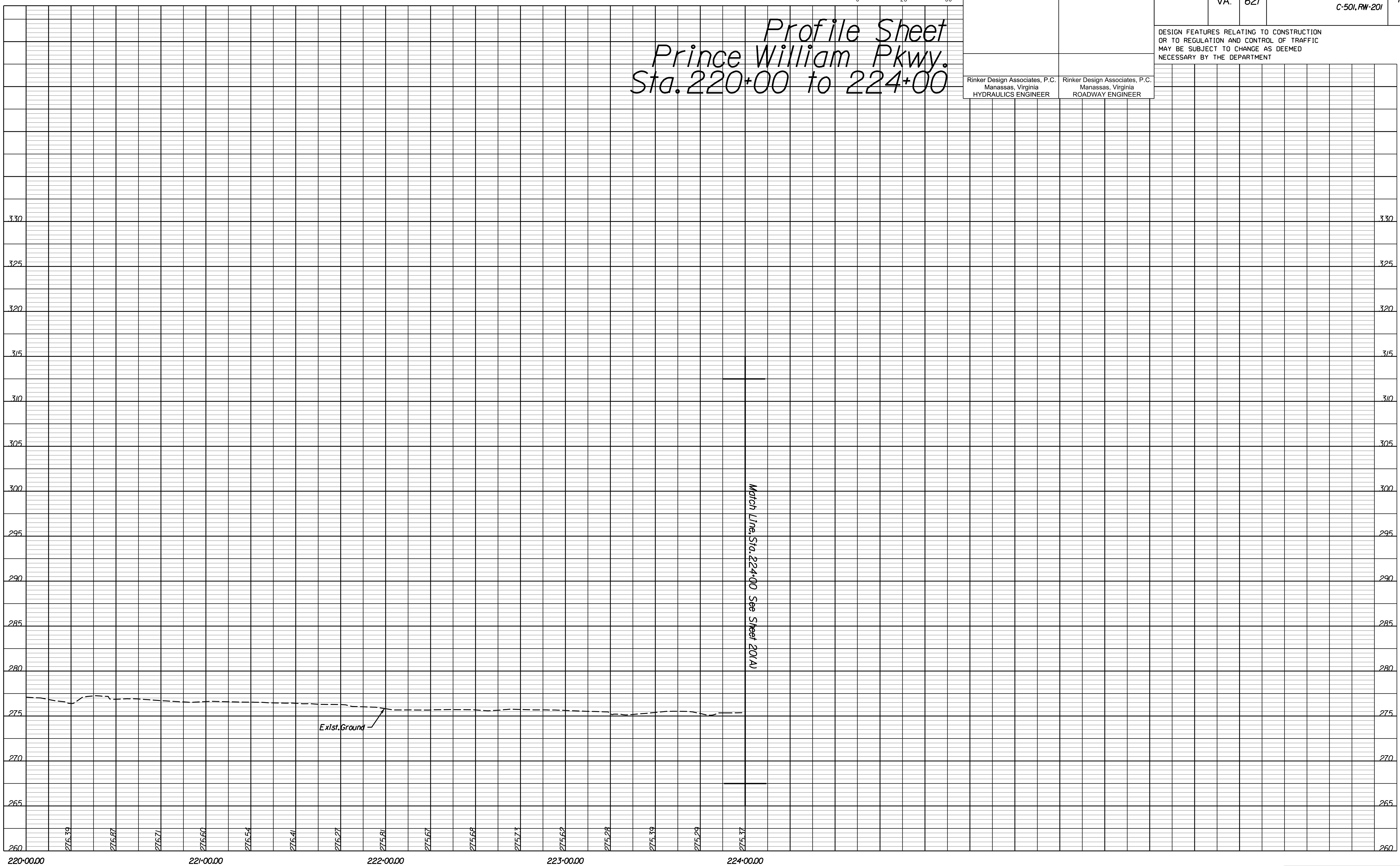
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	11B

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

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

Profile Sheet
Prince William Pkwy.
Sta. 220+00 to 224+00

SCALE H= 25, V= 5



Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning - Transportation - Environmental - Right of Way Services

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

VDOT PROJECT 6234-076-266 PWC PROJECT SPR2019-00101	SHEET NO. 11B

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
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DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: May 2020

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	12

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

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

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

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	12A
Profile DDI & Ramps	25 Series

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	12

PH PLAN

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Rinker Design Associates, P.C. Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates; Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; July 2019

SCALE H= 25, V= 5

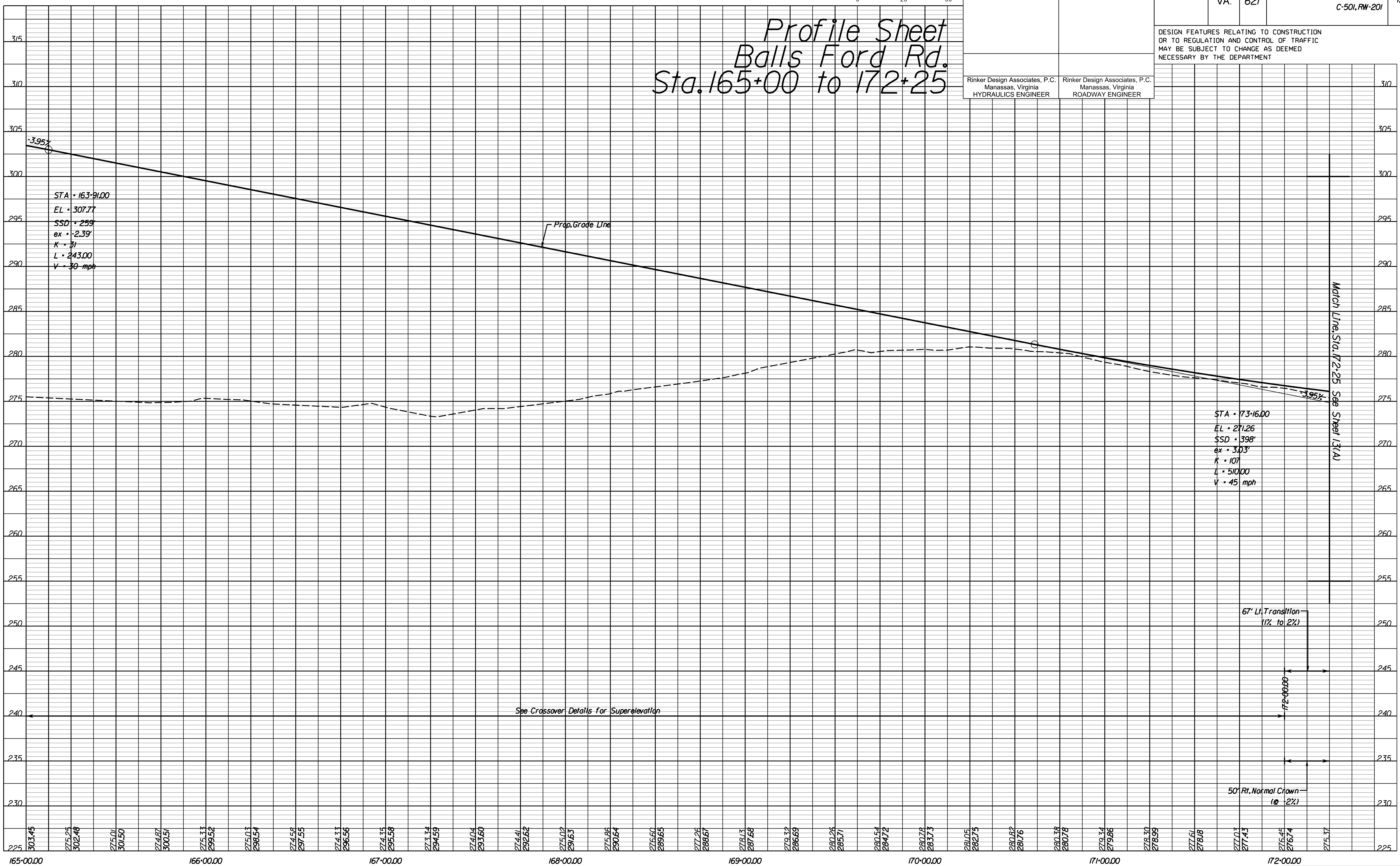
REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	12A

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

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

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

Profile Sheet
Balls Ford Rd.
Sta. 165+00 to 172+25



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	12A

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PH PLAN

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	13

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

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

Rinker Design Associates, P.C.

LANE

NOVA DISTRICT DESIGN UNIT

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	13A

PAVEMENT LEGEND

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- (1) Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- (2) Denotes Prop. Perm. Drain. Ease.
- (3)

Roadway Design Legend

- (1) Denotes Std. CG-6 Req'd.
- (6) Denotes 10' Shared Use Path Req'd.
- (14) Denotes FE-W1 Req'd.
- (22) Denotes Std. MS-2 Req'd.

C Denotes Construction Limits in Cuts
F Denotes Construction Limits in Fills

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	13

PH PLAN

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REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	13A

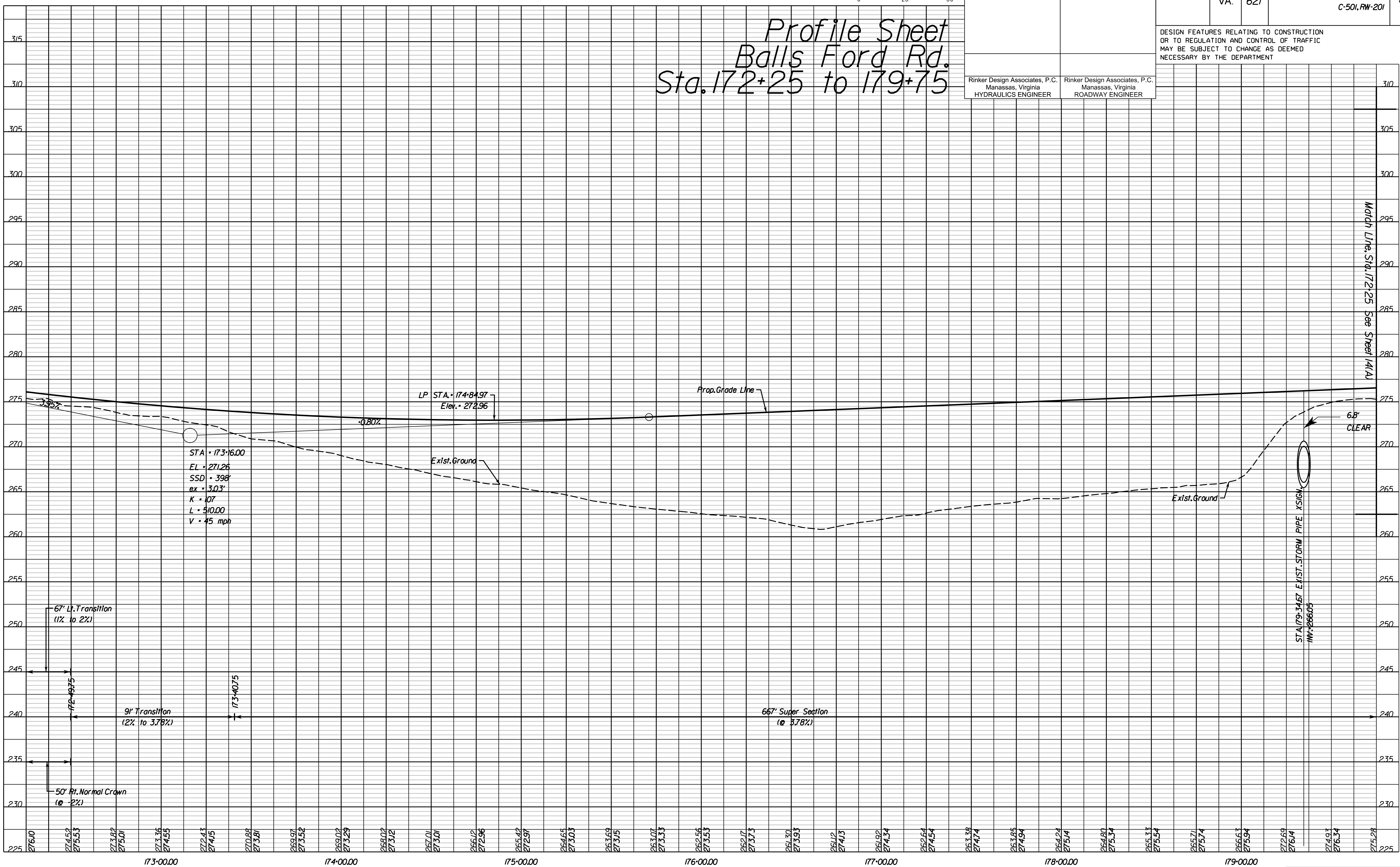
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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

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

SCALE H= 25, V= 5

Profile Sheet
Balls Ford Rd.
Sta. 172+25 to 179+75



VDOT PROJECT	SHEET NO.
6234-076-266	13A
PWC PROJECT SPR2019-00101	

PH PLAN

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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

Rinker Design Associates, P.C.
Civil Engineering - Surveying - Land Planning
Transportation - Environmental
Right of Way Services

Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER PWC DOT: Mary Ankers (703)-792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060; May 2020

LIMITED ACCESS HIGHWAY — By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	14

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

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

Rinker Design Associates, P.C.
Office Locations

LANE

NOVA DISTRICT DESIGN UNIT

C48
Curve C48
PI = 176+96.91
DELTA = 45° 36' 46.97" (RT)
D = 5° 43' 46"
T = 420.50'
L = 796.10'
R = 1,000.00'
PC = 172+76.41
PT = 180+72.51
V = 45 mph
E = 3.78%

C - - - Denotes Construction Limits In Cuts
F - - - Denotes Construction Limits In Fills

R/W Legend

1 — Denotes Prop. Temp. Constr. Ease.
2 — Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
3 — Denotes Prop. Perm. Drain. Ease.
4 — Denotes Prop. Utility Ease.

Roadway Design Legend

1 — Denotes St'd. CG-6 Req'd.
6 — Denotes 10' Shared Use Path Req'd.
7 — Denotes Saw Cut Pavement Full Depth Req'd.
22 — Denotes St'd. MS-2 Req'd.

PAVEMENT LEGEND

- Denotes Full-Depth Pavement
- Denotes Demolition of Pavement
- Denotes Mill and Variable Depth Overlay
- Denotes Prop. Paved Shoulder

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

Property Owner Information	1C(1), 1C(2)
Survey Control Data Sheet	1F - 1F(2)
Typical Sections	2A - 2A(6)
Profile Route 621	14A

SCALE 0 25' 50'

VDOT PROJECT	SHEET NO.
6234-076-266	14

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LIMITED ACCESS HIGHWAY By Resolution of Highway Commission dated Oct. 13, 1966, amended May 11, 1967, amended Mar. 19, 2014

PROJECT MANAGER PWC DOT: Mary Ankers (703) 792-4228
SURVEYED BY, DATE Rinker Design Associates, P.C. (703) 368-7373, April 2020
DESIGN BY Rinker Design Associates: Mark Gunn PE (703) 368-7373
SUBSURFACE UTILITY BY, DATE Accumark (703) 635-3060: July 2019

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	621	6234-076-266, C-501, RW-201	14A

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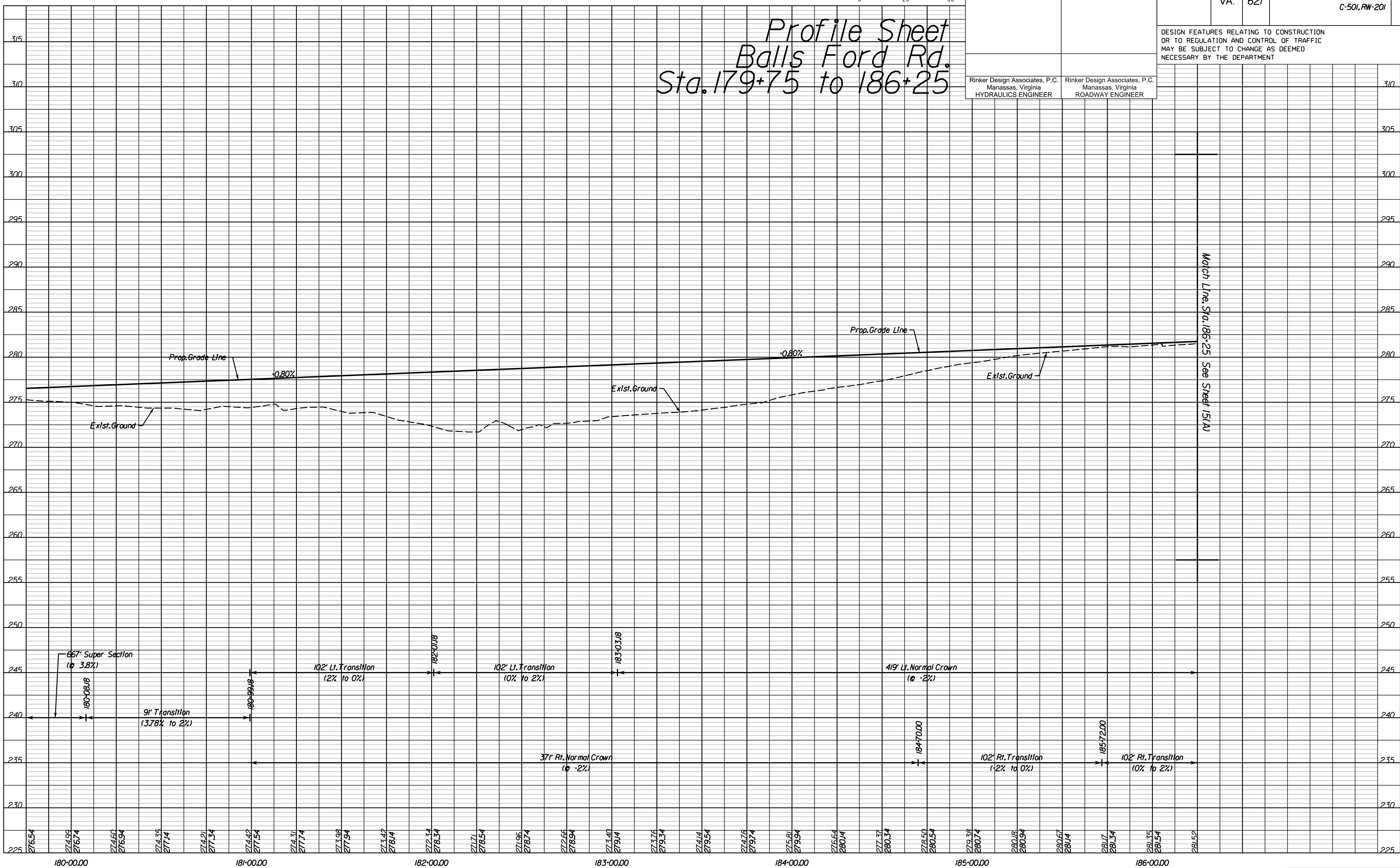
Rinker Design Associates, P.C.
Manassas, Virginia
HYDRAULICS ENGINEER

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

Profile Sheet
Balls Ford Rd.
Sta. 179+75 to 186+25

SCALE H= 25, V= 5



VDOT PROJECT	SHEET NO.
6234-076-266 PWC PROJECT SPR2019-00101	14A

Rinker Design Associates, P.C.
Civil Engineering • Surveying • Land Planning • Transportation • Environmental • Right of Way Services

LANE

NOVA DISTRICT DESIGN UNIT

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