

REVIEWED BY: _____ APPROVED BY: _____

This plan has been reviewed and has been found to be in general conformance with the requirements of Prince William County. The developer is hereby authorized to obtain all necessary land development permits, subject to all designs, procedures, materials and workmanship being in compliance with lawful requirements. If not bonded or permitted (if applicable) within five (5) years of the authorized date or lawfully extended, this authorization will expire. A valid agreement and bond with Prince William County must be maintained to assure plan and permit validity.

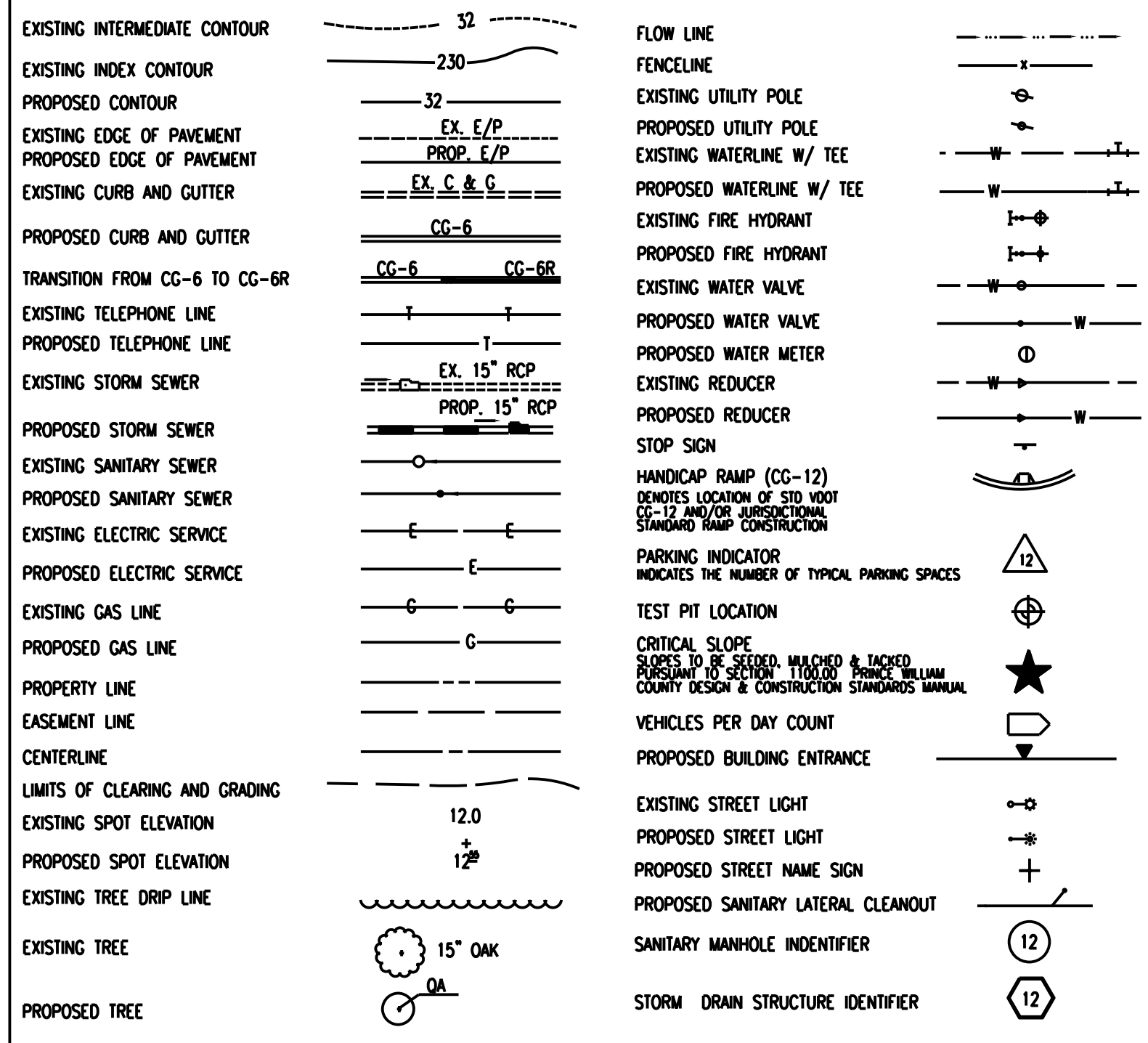
SHEET INDEX

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GENERAL NOTES

- 1. This site has been addressed by the Prince William County Mapping Office as: Adjacent to TM# (addresses for subdivision lots shall appear on the approved plan for recordation).
2. Addresses assigned are for the layout of individual businesses or dwelling units and are for exterior doors as shown on this plan only. Any deviation in design or layout will require that a revised plan be submitted to the Office of Mapping for re-addressing. It is the responsibility of the developer to inform the County Office of Mapping before a change in layout occurs and to submit complete and accurate information for re-addressing. Prince William County does not assume any responsibility where re-addressing is required even though tenants have already occupied a portion of the building.
3. Methods and materials used in the construction of the improvements herein shall conform to the current County construction standards and specifications and/or current VDOT standards and specifications.
4. The contractor or developer is required to notify the Prince William County Department of Public Works in writing three (3) days prior to the beginning of the construction and specifically request inspection before beginning 703- 792-7070.
A. Installation of approved erosion control devices.
B. Clearing and Grading
C. Subgrade excavation.
D. Installing storm sewers or culverts.
E. Setting curb and gutter forms.
F. Placing curb and gutter.
G. Placing other concrete.
H. Placing gravel base.
I. Placing any bituminous surfacing.
J. Installing water mains outside the Service Authority's boundaries.
K. Installing sanitary sewer outside the Service Authority's boundaries.
5. Measures to control erosion and siltation, including detention ponds serving as silt basins during construction, must be provided prior to issuance of the site development permit. The approval of these plans in no way relieves the developer or his agent of the responsibilities contained in the Virginia Erosion and Sediment Control Handbook.
6. A permit must be obtained from the Office of the Resident Engineer, Virginia Department of Transportation (VDOT) Prince William County, prior to construction in existing State right-of-way, 707-366-1900.
7. Approval of this plan does not guarantee issuance of an entrance permit by VDOT when such permit is required under State law.
8. The exact location of all guard rails will be determined by VDOT personnel. "A joint inspection will be held with the Developer, County Representatives, and Representatives of the Virginia Department of Transportation (VDOT) to determine if and where guard rail and/or paved ditches will be needed. The developer will be responsible for providing guardrail and paved ditches as determined by this joint inspection." Refer to Virginia Department of Transportation (VDOT) Guard Rail and Paved Ditch Specifications.
9. An approved set of plans and all applicable permits must be available at the construction site. Also, a representative of the developer must be available at all times.
10. Warning signs, markers, barricades or flagmen should be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD).
11. All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.
12. All pavement sections on the approved plans are based on a minimum CBR value of 10. CBR tests are to be performed by the engineer and submitted to the Prince William County Planning Office for review prior to placement of base material. CBR values less than 10 will require submittal of revised pavement section.
13. All roadside ditches at grades of more than 5% shall be paved with cement concrete to the limits indicated on the plans and as required at the field inspection.
14. All springs shall be capped and piped to the nearest storm sewer manholes or curb inlet. The pipe shall be minimum 6" diameter and conform to VDOT standard SB-1.
15. All standard street name signs, traffic control devices, and street lights shall be installed by the developer when the first building unit is occupied.
16. Construction debris shall be containerized in accordance with the Virginia Litter Control Act; no less than one litter receptacle shall be provided at the construction site.
17. The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets, and it is the contractor's responsibility to clean streets, alloy dust, and to take whatever measures are necessary to insure that the streets are maintained in a clean, mud and dust free condition at all times.
18. * Notification shall be given to the appropriate utility Company (Service Authority, Virginia-American Water Company, or Dale Service Corporation) prior to construction of water and/or sanitary sewer lines. Information should also be obtained from the appropriate authority concerning permits, cut sheets, and connections to existing lines.
19. All sanitary sewers and water mains and appurtenances shall be constructed in accordance with the current standards and specifications of Prince William County and/or the Service Authority.
20. The developer and/or contractor shall be responsible to supply all utility companies with copies of plans that have been approved by Prince William County and advising them that all grading shall conform to the approved plans, and further that the utility companies shall be responsible for honoring these plans and the finished grades in the installation of their utility lines.
21. Contractors shall notify operators who maintain underground utility lines in the area of proposed excavating or blasting of least two (2) working days, but not more than ten (10) working days, prior to commencement of excavation or demolition. Names and telephone numbers of the operators underground utility lines in Prince William County appear below. These numbers shall also be used to serve in an emergency condition.
Washington Gas Light Co.
Virginia Power Co.
Northern Virginia Electric Co-op
Columbia Gas of Virginia
Continental Telephone of VA
Colonial Pipeline Co.
Transcontinental Gas Pipe Line Corp.
MISS UTILITY 1-800-552-7001
Service Authority 703-335-7900
(After hours-Emergency 335-7990)
Virginia-American Water 703-491-2136
Dale Service Corporation 703-494-4161
22. The service Authority requires that a clean-out be placed within one foot (0.3 meters) of the property line.
23. The location of existing utilities shown in these plans are taken from existing records. It shall be the contractor's responsibility to verify the exact horizontal and vertical location of all existing utilities as needed prior to construction. The contractor shall inform the engineer of any conflicts arising from his existing utility verification and the proposed construction.
24. The developer will be responsible for any damage to the existing streets and utilities which occurs as a result of his construction project within or contiguous to the existing right-of-way.
25. All utilities placed under existing streets shall be bored or jacked.
26. When grading is proposed within easements of utilities, letters of permission from all involved companies must be provided to Prince William County Planning Office prior to issuance of grading and/or site development permits.
27. The developer will be responsible for the relocation of any utilities which is required as a result of his project. The relocation should be done prior to construction.
28. Before burning, blasting, transportation or storage of explosives in Prince William County, a permit shall be obtained from the Fire Marshal's Office, 703-792-6360.
29. Fire and Rescue Services must be notified immediately (703-792-6810) in the event that unusual items such as tanks, cylinders, unidentified containers, etc. which could contain potentially hazardous materials are discovered or observed. All activities must cease and not be resumed until authorization to proceed is given by the Fire Marshal's Office.
30. Sidewalk underdrains shall be installed per Section 650.65 of the Design and Construction Standards Manual.
31. All walkways outside of the right-of-way limits will be maintained by the homeowners association.
32. Maintenance of the Storm Drainage or Storm Water Management facilities located therein shall be pursuant to Section 700 of the Prince William County Design and Construction Standards Manual. The facility is to be constructed with the Annapolis Way PIP Plans and will be maintained by VDOT. VDOT will also maintain Annapolis Way as constructed with these plans.
33. If units shown on this plan will be occupied in phases, a phasing plan must be approved by the engineering inspection branch prior to the issuance of any occupancy permits. (Detached single family subdivision exempt.)
34. These plans identify the location of all known gravesites. Gravesites shown on this plan will be protected in accordance with state law. In the event gravesites are discovered during construction, the County's Archaeologist must be notified immediately (703-792-6830). All activities must cease and not be resumed until authorization to proceed is given by the County Archaeologist.
35. Roof top mechanical equipment, if any, must be enclosed within a wall or similar screening barrier, designed in harmony with the building.
36. Individual sign permits will be required from the Zoning Office for all free standing and facade signs prior to erecting the signs.
37. All buffer areas shall be screened according to the Design and Construction Standards Manual.
38. For proffer statements and proffer analyses, see project booklet.
39. For waivers see sheet(s) 10(1) of _____.
40. Anticipated sewage flows: N/A
41. Anticipated fire flows: N/A
42. Distance to nearest existing school or proposed school site: 0.44 MILES TO OCCOQUAN ELEMENTARY SCHOOL

LEGEND



VICINITY MAP

1" = 1000'

SOILS MAP

SCALE 1"=1000'

SOILS DATA

SOILS INFORMATION WAS OBTAINED FROM THE "SOIL SURVEY OF PRINCE WILLIAM COUNTY, VIRGINIA" ISSUED AUGUST 1989.

SURVEY AND TOPOGRAPHIC INFORMATION

- 1. Horizontal and vertical control surveys were performed by Rinker Design Associates in Nov. 2021.
2. All elevations must be referenced to the National Geodetic Vertical Datum of 1929 (NAVD83).
3. Source of topographic mapping is aerial imagery dated 10/19.
4. Boundary survey was performed by RDA dated 11/21.
5. The application of the professional's seal and signature as required by Section 1.14 of the STATE BOARD OF ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS AND CERTIFIED LANDSCAPE ARCHITECTS RULES AND REGULATIONS shall be evidence that: the boundary data is correct to the best of the land surveyor's knowledge, and complies with the minimum standards and procedures of the said Board; the topographic information is accurate to within one-half of the contour interval, as shown. Application of the seal and signature indicates acceptance of responsibility for the work shown hereon.

DESIGNATED PLANS EXAMINER CERTIFICATE

Table with 3 columns: DESIGNATED PLANS EXAMINER, REG. NUMBER, DATE. Includes entries for 1st and 2nd submission reviewed and recommended for submission.

BOND ESTIMATE

County construction Public Improvement Project, Bond Estimate note applicable

REVISIONS

Table with 4 columns: DATE, DESIGNER, NO., DESCRIPTION. Includes a header row and several empty rows for revisions.

PRINCE WILLIAM COUNTY

COVER SHEET



Project information form including Project Name (PW PKWY./MINNIEVILLE RD. SPUI), Project Number (SPR2023-), Subdivision or Site Plan Name (PW PKWY./MINNIEVILLE RD. SPUI), Market Name, Present Zoning & Use (WOODBRIDGE), Owner (PRINCE WILLIAM COUNTY), Developer (BUCHANAN PARTNERS), Name, Address, & Telephone No. of Engineer (RINKER DESIGN ASSOCIATES), and Total Area (36.93 AC PROJECT AREA).

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

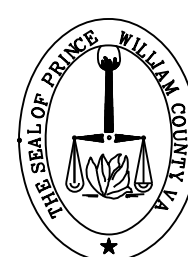
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PH PLANS

Subdivision/Site Plan Name: PW PKWY./MINNIEVILLE RD. SPUI PWC File Number: SPR2022-00402 S02

FOR INDEX OF SHEETS SEE SHEET 1B

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



Prince William County Dept. of Transportation 5 County Complex Court Prince William, VA 22192

PROJECT DISTURBED AREA Approximately 24.96 acres will be disturbed with this project.



COMMONWEALTH OF VIRGINIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

PRINCE WILLIAM COUNTY LOCALLY ADMINISTERED PROJECT PRINCE WILLIAM PKWY. (RTE. 294) AND MINNIEVILLE RD. (RTE. 640) SINGLE-POINT URBAN INTERSECTION

From: 0.14 Mi E. of Elm Farm Rd. (Rte. 892) To: 0.01 Mi. E. of Golansky Blvd. (Rte. 2830)

FHWA-534 DATA xxxxx

Table with columns: STATE, FEDERAL AID PROJECT, ROUTE, STATE PROJECT, SHEET NO. Values: VA, -, 294, (INFO) 0294-076-xxx, 1

* See Plan and Profile Sheets for horizontal and vertical curve design speed data. ** Per VDOT's 2021 Daily Traffic Volume Estimates.

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA table with columns: Functional Classification, AADT (2022), AADT (2028), AADT (2048), DHV (2048), D (%), T (%), V (MPH). Values: PRINCE WILLIAM PKWY. (RTE 294) (GS-5), 45,000, 50,677, 75,304, 5.82, 58.8%, 3%, 45

TIER 2 PROJECT

Approval table with columns: LOCALLY ADMINISTERED PROJECTS, RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION (TOTAL TAKES), RECOMMENDED FOR APPROVAL FOR CONSTRUCTION, RECOMMENDED FOR APPROVAL FOR CONSTRUCTION (PARTIAL TAKES). Includes roles like ASSISTANT DIRECTOR OF TRANSPORTATION, INFRASTRUCTURE INVESTMENT DIRECTOR, etc.

PROJECT MANAGER: T.B.D., P.W.C. Dept. of Transportation. (703) 792-5276. SURVEYED BY: DATE Nicholas Kougoulis, Riniker Design Associates, P.C. (703) 368-7373, March 2021. DESIGN BY: Mark Gunn, Riniker Design Associates, P.C. (703) 368-7373. SUBSURFACE UTILITY BY: DATE Brad Markovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021.

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY...

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

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

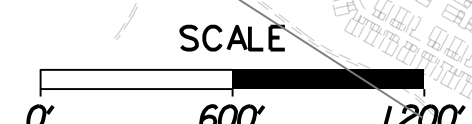
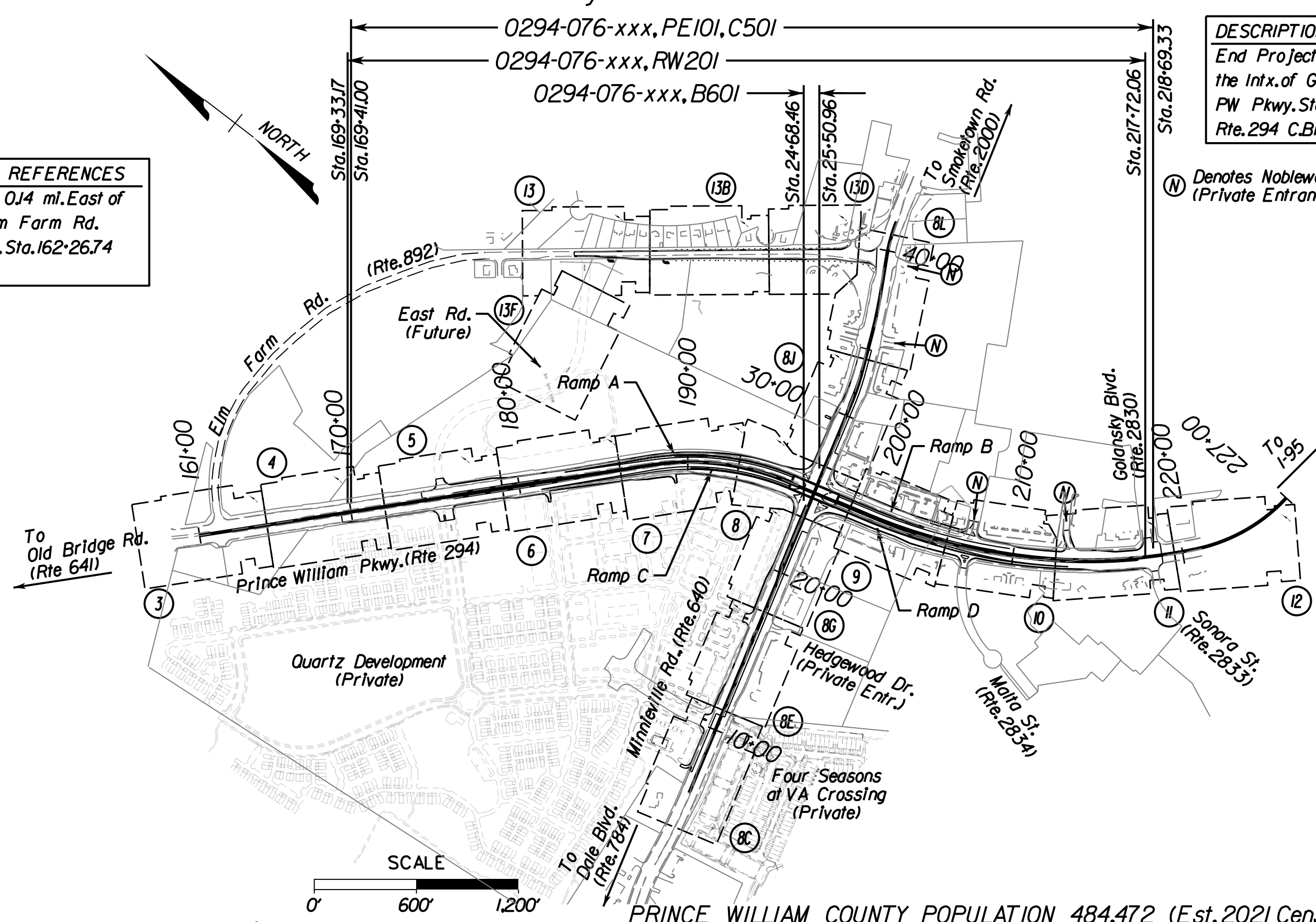
ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U, EXCEPT WHERE OTHERWISE NOTED.

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

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

DESCRIPTION REFERENCES Begin Project 0.14 mi. East of the Intx. of Elm Farm Rd. and P.W. Pkwy. Sta. 162+26.74 Rte. 294 C.B.I.

DESCRIPTION REFERENCES End Project 0.01 mi. East of the Intx. of Golansky Blvd. and P.W. Pkwy. Sta. 218+28.73 Rte. 294 C.B.I.



PRINCE WILLIAM COUNTY POPULATION 484,472 (Est. 2021 Census)

CONVENTIONAL SIGNS table listing symbols for 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, and various utility symbols like LEVY OR EMBANKMENT, BRIDGES, CULVERTS, etc.

Table with columns: STATE PROJECT NO., SECTION, FEDERAL AID PROJECT NO., TYPE CODE, UPC NO., LENGTH INCLUDING BRIDGE(S) (FEET, MILES), LENGTH EXCLUDING BRIDGE(S) (FEET, MILES), TYPE PROJECT, DESCRIPTION. Rows include sections PE-101, C-501, RW-201, B-601.

Project Lengths are based on Rte. 294 Construction Baseline between Sta. 161+00 and Sta. 227+00

PH PLANS APRIL 2023

Approval table with columns: REVISIONS, APPROVED FOR CONSTRUCTION, APPROVED. Includes roles like CHIEF ENGINEER, DIVISION ADMINISTRATOR, FEDERAL HIGHWAY ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION.

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Table with columns: PWDOT PROJECT, VDOT PROJECT, SHEET NO. Values: SPR2023-000xx, 0294-076-xxx, 1

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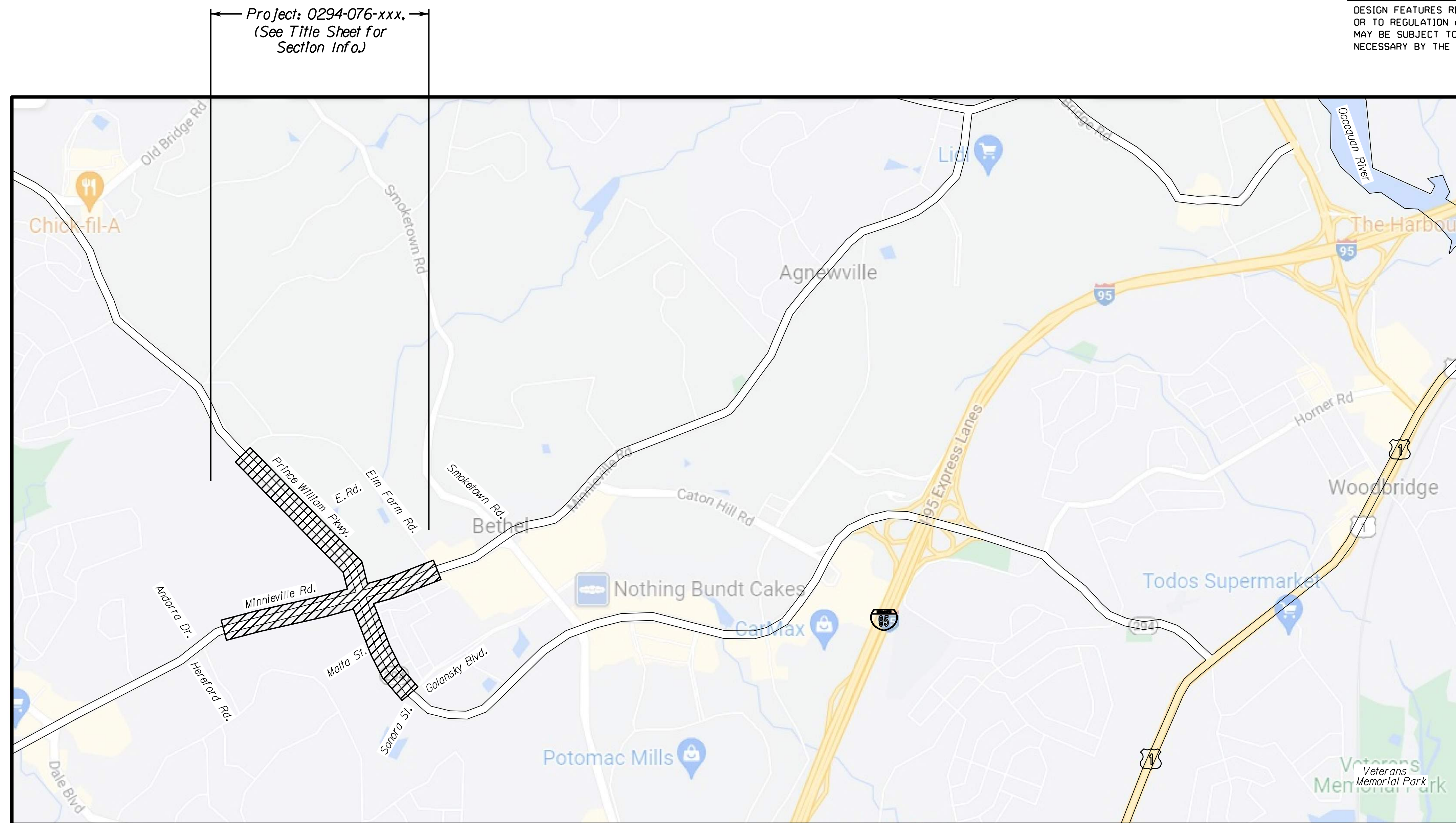
PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Binker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Project Location Map

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	1A

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



PRINCE WILLIAM PKWY. AND MINNIEVILLE RD. SINGLE-POINT URBAN INTERCHANGE - PROJECT LOCATION MAP

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

VDOT FUNCTIONAL CLASSIFICATION LEGEND

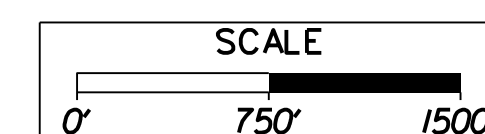
- GS-1 (Rural Principal Arterial System)
- GS-2 (Rural Minor Arterial System)
- GS-3 (Rural Collector Rd. System)
- GS-4 (Rural Local Rd. System)
- GS-5 (Urban Principal Arterial System)
- GS-6 (Urban Minor Arterial St. System)
- GS-7 (Urban Collector St. System)
- GS-8 (Urban Local St. System)
- GS-9 (Service Road)

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

	PRINCE WILLIAM PKWY. (RTE 294)	MINNIEVILLE RD. (RTE 640)	ELM FARM RD. (RTE 892)	E. RD. (TEMP. DETOUR)	GOLANSKY BLVD. (RTE 2830)	SONORA ST. (RTE 2833)	MALTA ST. (RTE 2834)
	Fr: ELM FARM RD. To: GOLANSKY BLVD.	Fr: OJ MI. S. RTE 294 To: ELM FARM RD.	Fr: xx MI. W. RTE 640 To: RTE 640	Fr: RTE 294 To: RTE 892	Fr: RTE 640 To: -	Fr: RTE 294 To: -	Fr: RTE 640 To: -
NHS (YES/NO)	YES	NO	NO	NO	NO	NO	NO
GS ST'D.	URBAN PRINCIPAL ARTERIAL SYSTEM	URBAN MINOR ARTERIAL ST. SYSTEM	MAJOR COLLECTOR ST. SYSTEM	URBAN LOCAL ROAD SYSTEM	URBAN LOCAL ROAD SYSTEM	URBAN LOCAL ROAD SYSTEM	URBAN LOCAL ROAD SYSTEM
TYPE FACILITY	ROLLING - DIVIDED	ROLLING - DIVIDED	ROLLING - DIVIDED	ROLLING - DIVIDED	ROLLING - DIVIDED	ROLLING - DIVIDED	ROLLING - DIVIDED
DESIGN SPEED	45 MPH	45 MPH	45 MPH	25 MPH	25 MPH	25 MPH	25 MPH
AADT (2022)**	45,000	40,000	5,600	---	1,200	3,300	870
AADT (2028)	50,677	45,046	NA	NA	NA	NA	NA
AADT (2048)	75,304	66,937	NA	NA	NA	NA	NA
DHV (2048)	5,821	5,168	NA	NA	NA	NA	NA
D (%) (design hour)	58.8%	62.5%	82.1%	NA	NA	NA	NA
T (%) (design hour)	3%	1%	0%	NA	NA	NA	NA
V (MPH)	*	*	*	*	*	*	*

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

** Per VDOT's 2021 Daily Traffic Volume Estimates.



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1A
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PH PLANS

PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: *Nicholas Kaugulis, Blotker Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guan, (Blotker Design Associates, P.C.)*
SUBSURFACE UTILITY BY, DATE: *Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021*

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		ROUTE	VDOT PROJECT NO.	
	VA.	294	0294-076-xxx C501 RW201	1B

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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***	2P(5) Signage and Pavement Marking Summary	
***	2P(6) Underdrain Summary	
***	2Q CG-12 Details	
Sheet No. 2R(1A)	Retaining Wall 7-1 Plan and Profile Sheet	
Sheet No. 2R(1B)	Retaining Wall 7-1 Plan and Profile Sheet	
Sheet No. 2R(1C)	Retaining Wall 7-1 Plan and Profile Sheet	
Sheet No. 2R(2A)	Retaining Wall 7-2 Plan and Profile Sheet	
Sheet No. 2R(2B)	Retaining Wall 7-2 Plan and Profile Sheet	
Sheet No. 2R(2C)	Retaining Wall 7-2 Plan and Profile Sheet	
Sheet No. 2S	Gore Detail Sheet	
Sheet No. 2S(1)	Gore Detail Sheet	
***	2T thru 2Z Not Used	
Sheet No. 3	Roadway Plan, Rte. 294 (Sta. 161+00 to 165+00)	
Sheet No. 3A	Profile, Rte. 294 (Sta. 161+00 to 165+00)	
Sheet No. 4	Roadway Plan, Rte. 294 (Sta. 165+00 to 172+00)	
Sheet No. 4A	Profile, Rte. 294 (Sta. 165+00 to 172+00)	
Sheet No. 5	Roadway Plan, Rte. 294 (Sta. 172+00 to 179+00)	
Sheet No. 5A	Profile, Rte. 294 (Sta. 172+00 to 179+00)	
Sheet No. 6	Roadway Plan, Rte. 294 (Sta. 179+00 to 186+00)	
Sheet No. 6A	Profile, Rte. 294 (Sta. 179+00 to 186+00)	
Sheet No. 6B	Profile, Ramp A (Sta. 10+00 to 13+25)	
Sheet No. 6C	Profile, Ramp C (Sta. 10+00 to 14+75)	
Sheet No. 6D	Entrance Profiles (Sta. 179+00 to 186+00)	
Sheet No. 7	Roadway Plan, Rte. 294 (Sta. 186+00 to 193+00)	
Sheet No. 7A	Profile, Rte. 294 (Sta. 186+00 to 193+00)	
Sheet No. 7B	Profile, Ramp A (Sta. 13+25 to 20+25)	
Sheet No. 7C	Profile, Ramp C (Sta. 14+75 to 21+75)	
Sheet No. 7D	Entrance Profiles (Sta. 186+00 to 193+00)	
Sheet No. 8	Roadway Plan, Rte. 294 (Sta. 193+00 to 200+00)	
Sheet No. 8A	Profile, Rte. 294 (Sta. 193+00 to 200+00)	
Sheet No. 8A(1)	Profile, Ramp A (Sta. 20+25 to 25+21)	
Sheet No. 8A(2)	Profile, Ramp B (Sta. 10+00 to 12+25)	
Sheet No. 8A(3)	Profile, Ramp C (Sta. 21+75 to 26+23.51)	
Sheet No. 8A(4)	Profile, Ramp D (Sta. 10+00 to 12+25)	
Sheet No. 8B	Profile, Rte. 640 (Sta. 23+50 to 26+75)	
Sheet No. 8C	Roadway Plan, Rte. 640 (Sta. 6+00 to 11+25)	
Sheet No. 8D	Profile Plan, Rte. 640 (Sta. 6+00 to 11+25)	
Sheet No. 8D(1)	Entrance Profiles (Sta. 9+00 to 11+25)	
Sheet No. 8E	Roadway Plan, Rte. 640 (Sta. 11+25 to Sta. 17+50)	
Sheet No. 8F	Profile, Rte. 640 (Sta. 11+25 to Sta. 17+50)	
Sheet No. 8F(1)	Entrance Profiles (Sta. 11+25 to Sta. 17+50)	
Sheet No. 8G	Roadway Plan, Rte. 640 (Sta. 17+50 to 23+50)	
Sheet No. 8H	Profile, Rte. 640 (Sta. 17+50 to 23+50)	
***	8I Not Used	
Sheet No. 8J	Roadway Plan, Rte. 640 (Sta. 26+75 to 33+50)	
Sheet No. 8K	Profile, Rte. 640 (Sta. 26+75 to 33+50)	
Sheet No. 8K(1)	Entrance Profiles (Sta. 26+75 to 33+50)	
Sheet No. 8L	Roadway Plan, Rte. 640 (Sta. 33+50 to 40+50)	

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Sheet No. 9	Roadway Plan, Rte. 294 (Sta. 200+00 to 206+00)	
Sheet No. 9A	Profile, Rte. 294 (Sta. 200+00 to 206+00)	
Sheet No. 9B	Profile, Ramp B (Sta. 12+25 to 18+25)	
Sheet No. 9C	Profile, Ramp D (Sta. 12+25 to 18+25)	
Sheet No. 10	Roadway Plan, Rte. 294 (Sta. 206+00 to 212+50)	
Sheet No. 10A	Profile, Rte. 294 (Sta. 206+00 to 212+50)	
Sheet No. 10B	Profile, Ramp B (Sta. 18+25 to 21+92.78)	
Sheet No. 10C	Profile, Ramp D (Sta. 18+25 to 25+00)	
Sheet No. 10D	Entrance Profiles (Sta. 206+00 to 212+50)	
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Sheet No. 11B	Profile, Ramp D (Sta. 25+00 to 25+69.72)	
Sheet No. 11C	Entrance Profiles (Sta. 212+50 to 219+50)	
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Sheet No. 13D	Roadway Plan, Rte. 892 (Sta. 414+00 to 421+00)	
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Sheet No. 13F	Roadway Plan, Temp. East Road (Sta. 310+00 to 317+50)	
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***	14(2) Not Used	
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***	19 Waterline Betterment	
***	20 Waterline Relocation	

No Scale

VDOT PROJECT NO.
0294-076-xxx

SHEET NO.
1B

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

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PH PLANS

PROJECT MANAGER: TBD
 SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Rinker Design Assoc., P.C., (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Right of Way Data Sheet

NOTE: All data shown here is for information and estimating purposes only.
 This Project is a locally administered project by PWCDOT and Final Acquisition
 Plats are required and shall be provided by a professional surveyor.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-ELUP C501 RW201	IC

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

City/County: Prince William County, Virginia
 UPC No.: ELUP

PROJECT ASSIGNED PARCEL NO.	LANDOWNER	PLAN SHEET NO.	AREA																	PROFFERS YES / NO	REMARKS PRINCE WILLIAM CO. G.P.I.N. NO.	
			TOTAL	FEE TAKING	PRESCRIPTIVE RW	FEE REMAINDER	PERMANENT EASEMENTS										TEMPORARY EASEMENTS					
							ACRES	SQ. FT.	SQ. FT.	ACRES	DRAINAGE	SIGHT DISTANCE	TOTAL TAKE	SIGNAGE	DE AND VERIZON	JOINT USE	SIGNAL	VERIZON	DOMINION ENERGY			WATER
001	SOUTHERN KNOLLS, LLC	4-8,8J	34.6396 Ac.	22,523	-	34.1225 Ac.	42,933	-	-	105	-	47,251	-	-	-	29,052	-	-	2,480	30,030	YES	8292-04-3728
002	SOUTHERN KNOLLS, LLC.	4-8,8C,8E,8G	119.2944 Ac.	53,354	-	118.0696 Ac.	27,509	-	-	2,944	-	36,583	-	-	-	-	-	-	7,246	87,114	YES	8192-93-1868
003	GSR INVESTMENTS, LLC.	8,8J,9	1.0445 Ac.	13,291	-	0.7394 Ac.	-	-	31,246	-	-	963	-	-	4,625	-	-	-	-	-	NO	8292-12-0983
004	CEMETERY	8J	0.5000 Ac.	512	-	0.4882 Ac.	-	-	-	95	-	1,918	-	-	-	-	-	-	878	1,249	NO	8292-13-2725
005	FIRST BAPTIST CHURCH OF WOODBRIDGE	8J,8L,13B,13D	18.9411 Ac.	2,308	-	18.8881 Ac.	5,431	-	-	377	-	1,789	-	-	-	-	-	-	-	16,550	NO	8292-13-5079
006	DODY VENTURES INC.	9	1.6939 Ac.	22,931	-	1.1675 Ac.	-	-	50,855	-	-	-	-	-	3,303	-	-	-	-	-	NO	8292-12-1549
007	FIRST VIRGINIA BANK	9,10	0.7539 Ac.	9,355	-	0.5391 Ac.	-	-	23,487	-	-	-	-	-	1,585	-	-	-	-	-	NO	8292-12-2520
008	PWC HOLDINGS, LLC.	9,10	3.6341 Ac.	62	-	3.6327 Ac.	-	-	-	-	-	-	-	-	432	-	-	3,441	-	-	NO	8292-12-5629
009	REALTY INCOME PENNSYLVANIA PROPERTIES TRUST 2	10,11	10.6455 Ac.	9,825	-	10.4199 Ac.	-	-	-	-	-	-	-	-	2,663	-	-	7,904	5,741	NO	8292-11-7280	
010	UNIT OWNERS LIBERTY COMMONS CONDOMINIUM	11	1.3404 Ac.	1,973	-	1.2951 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	2,042	-	NO	8292-11-7932
011	WOODBIDGE OFFICES, LLC.	8,8G,9	1.5228 Ac.	-	-	1.5228 Ac.	-	-	-	125	-	-	-	-	3,613	-	-	-	339	-	NO	8292-02-6268
012	UNIT OWNERS DOMINION SQUARE CONDO	9	3.7966 Ac.	-	-	3.7966 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	1,152	-	NO	8292-02-6938
013	LAKESIDE HOMEOWNERS ASSOCIATION, INC.	9,10	17.5508 Ac.	-	-	17.5508 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	612	-	NO	8292-00-5890
014	LAKESIDE HOMEOWNERS ASSOCIATION, INC.	10	2.5574 Ac.	-	-	2.5574 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	1,004	-	NO	8292-01-9643
015	LAKESIDE HOMEOWNERS ASSOCIATION, INC.	10,11	5.1580 Ac.	1,191	-	5.1307 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	3,474	-	NO	8292-10-4984
016	DANICA AND STEPHEN A. COBB	13	0.3368 Ac.	-	-	0.3368 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-3069
017	KROSBY ORELLANA	13	0.2994 Ac.	-	-	0.2994 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-3285
018	MUHAMMAD NABIL	13	0.2679 Ac.	-	-	0.2679 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-3778
019	ANGELA M. O'NEAL	13	0.2437 Ac.	-	-	0.2437 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-4072
020	WILLIAM M. TRAYLOR AND MARIE C. TRAYLOR	13,13B	0.2382 Ac.	-	-	0.2382 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-4565
021	ANA GLORIA AVILES	13,13B	0.2387 Ac.	-	-	0.2387 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-4959
022	ELM FARM PROPERTIES, LLC.	13	1.0000 Ac.	-	-	1.0000 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	37,069	-	YES	8292-14-1067
023	ELM FARM PROPERTIES, LLC.	13,13B	5.3647 Ac.	-	-	5.3647 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	10,761	-	YES	8292-14-1644
024	DOUGLAS I. RIDER	13B	0.2492 Ac.	-	-	0.2492 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-8026
025	YOUNG S. YI AND KANG H. YI	13	0.7772 Ac.	-	-	0.7772 Ac.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NO	8292-14-2699
026	ELM FARM PROPERTIES, LLC.	13,13F	1.1669 Ac.	-	-	1.1669 Ac.	2,109	-	-	-	-	-	-	-	-	-	-	-	-	-	YES	8292-14-0086
027	CENTRUM PRINCE WILLIAM LIMITED PARTNERSHIP	8C,8E	7.0676 Ac.	-	-	-	-	-	-	-	-	1,562	-	-	-	-	-	-	-	-	NO	8292-02-0921
028	COA PRINCE WILLIAMS REALTY, LLC.	8E,8G	1.2958 Ac.	-	-	-	-	-	283	-	-	1,590	-	-	-	-	-	-	-	-	NO	8292-02-2862
029	GOLDEN ARCH LIMITED PARTNERSHIP	8J	0.8444 Ac.	-	-	-	-	-	-	-	-	-	-	696	-	-	-	-	-	-	NO	8292-12-2688
TOTAL	PROJECT TOTALS			137,325	-		77,982	-	105,588	-		3,152	-	16,917	29,052	-	-	21,949	197,137			

No Scale	VDOT PROJECT NO. 0294-076-ELUP	SHEET NO. IC
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas, Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Survey Traverse Control

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx CS01 RW201	1F

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

Rinker Design Assoc., P.C.
Richmond, Virginia
(SURVEY)

PLANIMETRIC LEGEND

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



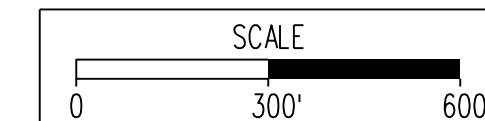
EXISTING DRAINAGE DESCRIPTION

SURVEY CONTROL

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

POINT	NORTHING	EASTING	ELEV.	DESC.
1	6921972.723	11817946.19	317.692	CS
2	6922287.301	11818193.15	316.982	CS
3	6922276.351	11818543.18	314.313	CS
4	6922340.486	11818890.19	321.173	CS
5	6922542.18	11819232.93	316.044	CS
6	6922524.822	11819597.75	311.704	CS
7	6922684.124	11819983.6	307.595	CS
8	6922719.252	11820380.4	304.655	CS
9	6922836.627	11820793.99	304.335	CS
10	6922937.049	11821151.1	302.496	CS
11	6923147.81	11821499.65	300.946	CS
12	6923174.975	11821862.36	303.286	CS
13	6923303.283	11822110.06	304.437	CS
14	6923505.601	11822291.31	307.347	CS
15	6923523.076	11822712.94	307.447	CS
16	6925065.271	11818335.29	318.62	CS
17	6925453.679	11818558.32	309.691	CS
18	6925470.466	11818934.49	301.381	CS
19	6924796.607	11819243.1	292.372	CS
20	6924504.512	11819621.75	288.552	CS
21	6924158.813	11819902.94	283.353	CS
22	6923870.709	11820294.74	288.404	CS
23	6923605.699	11820552.9	294.844	CS
24	6923232.572	11820669.5	298.645	CS
25	6922421.769	11820895.35	298.165	CS
26	6921996.959	11821039.01	287.245	CS
27	6921579.725	11821376.89	272.485	CS
28	6921302.843	11821490.58	267.335	CS
29	6921097.703	11821674	264.845	CS
30	6920800.518	11822444.2	257.825	CS

Note:
Inaccessible(1) - Structure Is Not Accessible Due to Traffic
Inaccessible(2) - Structure Is Full of Silt and Debris
Inaccessible(3) - Invert cannot be confirmed, possible Blind Connection
Pipe(4) - Inaccessible Pipe, Type & Size Cannot be Determined, possibly recessed, can't remove grate, etc.



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1F
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PH PLANS

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: *Nicholas, Kaugaul's, Bliker, Design, Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guon, Bliker, Design, Assoc., P.C. (703) 368-7373*
SUBSURFACE UTILITY BY, DATE: *Brad Mackovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021*

Survey Drainage Information

Structures A001 to A056

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	1F(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 Assoc., P.C.
Richmond, Virginia
(SURVEY)

<p>(A001) In Pl. CDI Top = 321.81' Inv. In = 318.12' Inv. Out = 317.98' (To Str. A002)</p> <p>(A001) to (A002) In Pl. 127LF- 15" RCP Inv. In = 317.98' Inv. Out = 315.14'</p> <p>(A002) In Pl. CDI Top = 319.49' Inv. In = 315.14' (From Str. A001) Inv. Out = 315.09' (To Str. A003)</p> <p>(A002) to (A003) In Pl. 137LF- 15" RCP Inv. In = 315.09' Inv. Out = 312.48'</p> <p>(A003) In Pl. CDI Top = 316.10' Inv. In = 312.48' (From Str. A002) Inv. Out = 312.37' (To Str. A004)</p> <p>(A003) to (A004) In Pl. 130LF- 15" RCP Inv. In = 312.37' Inv. Out = 308.97'</p> <p>(A004) In Pl. CDI Top = 312.94' Inv. In = 308.97' (From Str. A003) Inv. In = 308.04' (From Str. A005) Inv. Out = 307.79' (To Str. A019)</p> <p>(A004) to (A019) In Pl. 293LF- 18" CCP Inv. In = 307.79' Inv. Out = 301.86'</p> <p>(A005) In Pl. CDI Top = 312.96' Inv. In = 308.91' (From Str. A006) Inv. Out = 308.64' (To Str. A004)</p> <p>(A005) to (A004) In Pl. 55LF- 15" RCP Inv. In = 308.64' Inv. Out = 308.04'</p> <p>(A006) In Pl. MH Top = 315.61' Inv. In = 311.41' (From Str. A007) Inv. In = 311.31' (From Str. A008) Inv. Out = 311.28' (To Str. A005)</p> <p>(A006) to (A005) In Pl. 126LF- 15" RCP Inv. In = 311.28' Inv. Out = 308.91'</p> <p>(A007) In Pl. CDI Top = 315.81' Inv. Out = 311.86' (To Str. A006)</p> <p>(A007) to (A006) In Pl. 9LF- 15" CPP Inv. In = 311.86' Inv. Out = 311.41'</p> <p>(A008) In Pl. CDI Top = 318.11' Inv. Out = 313.65' (To Str. A006)</p> <p>(A008) to (A006) In Pl. 124LF- 15" RCP Inv. In = 313.65' Inv. Out = 311.31'</p> <p>(A009) In Pl. Grate Inlet Top = 315.82' Inv. In = 312.54' (From Str. A010) Inv. Out = 311.50' (To Str. A011)</p> <p>(A009) to (A011) In Pl. 112LF- 24" CPP Inv. In = 311.50' Inv. Out = 310.68'</p> <p>(A010) In Pl. CDI Top = 318.39' Inv. In = 314.05' Inv. Out = 313.71' (To Str. A009)</p> <p>(A010) to (A009) In Pl. 46LF- 15" CPP Inv. In = 313.71' Inv. Out = 312.54'</p> <p>(A011) In Pl. CDI Top = 315.78' Inv. In = 310.68' (From Str. A009) Inv. Out = 310.61' (To Str. A012)</p> <p>(A011) to (A012) In Pl. 178LF- 24" CPP Inv. In = 310.61' Inv. Out = 307.68'</p>	<p>(A012) In Pl. CDI Top = 312.06' Inv. In = 307.68' (From Str. A011) Inv. Out = 306.51' (To Str. A013)</p> <p>(A012) to (A013) In Pl. 33LF- 24" CPP Inv. In = 306.51' Inv. Out = 306.08'</p> <p>(A013) In Pl. CDI Top = 309.34' Inv. In = 306.08' (From Str. A012) Inv. Out = 305.22' (To Str. A013)</p> <p>(A013) to (A014) In Pl. 118LF- 24" CPP Inv. In = 305.22' Inv. Out = 303.98'</p> <p>(A014) In Pl. Grate Inlet Top = 307.03' Inv. In = 303.98' (From Str. A013) Inv. Out = 303.00' (To Str. A015)</p> <p>(A014) to (A015) In Pl. 95LF- 24" CPP Inv. In = 303.00' Inv. Out = 301.84'</p> <p>(A015) In Pl. CDI Top = 307.49' Inv. In = 301.84' (From Str. A014) Inv. Out = 301.64' (To Str. A016)</p> <p>(A015) to (A016) In Pl. 247LF- 24" CPP Inv. In = 301.64' Inv. Out = 297.82'</p> <p>(A016) In Pl. CDI Top = 302.40' Inv. In = 297.82' (From Str. A015) Inv. Out = 297.20' (To Str. A017)</p> <p>(A016) to (A017) In Pl. 213LF- 24" CPP Inv. In = 297.20' Inv. Out = 293.64'</p> <p>(A017) In Pl. CDI Top = 298.28' Inv. In = 293.64' (From Str. A016) Inv. Out = 292.11' (To Str. A018)</p> <p>(A017) to (A018) In Pl. 220LF- 30" CPP Inv. In = 292.11' Inv. Out = 289.45'</p> <p>(A018) In Pl. CDI Top = 294.41' Inv. In = 289.45' (From Str. A017) Inv. Out = 287.89' (To Str. A018A)</p> <p>(A018) to (A018A) In Pl. 77LF- 30" CPP Inv. In = 287.89' Inv. Out = 286.71'</p> <p>(A018A) In Pl. End Structure Inv. In = 286.71' (From Str. A018)</p> <p>(A019) In Pl. CDI Top = 306.00' Inv. In = 301.86' (From Str. A004) Inv. Out = 301.81' (To Str. A020)</p> <p>(A019) to (A020) In Pl. 250LF- 18" CPP Inv. In = 301.81' Inv. Out = 296.66'</p> <p>(A020) In Pl. CDI Top = 301.06' Inv. In = 296.66' (From Str. A019) Inv. Out = 296.58' (To Str. A021)</p> <p>(A020) to (A021) In Pl. 250LF- 18" CPP Inv. In = 296.58' Inv. Out = 291.51'</p> <p>(A021) In Pl. CDI Top = 296.11' Inv. In = 291.51' (From Str. A020) Inv. Out = 291.12' (To Str. A022)</p> <p>(A021) to (A022) In Pl. 150LF- 24" CPP Inv. In = 291.12' Inv. Out = 288.83'</p> <p>(A022) In Pl. CDI Top = 293.68' Inv. In = 288.83' (From Str. A021) Inv. Out = 288.77' (To Str. A023)</p>	<p>(A022) to (A023) In Pl. 150LF- 24" CPP Inv. In = 288.77' Inv. Out = 287.17'</p> <p>(A023) In Pl. CDI Top = 292.14' Inv. In = 287.17' (From Str. A022) Inv. Out = 287.11' (To Str. A024)</p> <p>(A023) to (A024) In Pl. 200LF- 24" CPP Inv. In = 287.11' Inv. Out = 285.07'</p> <p>(A024) In Pl. CDI Top = 289.95' Inv. In = 285.07' (From Str. A022) Inv. Out = 285.05' (To Str. A024)</p> <p>(A024) to (A028) In Pl. 249LF- 24" CPP Inv. In = 285.05' Inv. Out = 282.68'</p> <p>(A025) In Pl. CDI Top = 291.91' Inv. Out = 287.70' (To Str. A026)</p> <p>(A025) to (A026) In Pl. 275LF- 15" CPP Inv. In = 287.70' Inv. Out = 285.08'</p> <p>(A026) In Pl. CDI Top = 288.98' Inv. In = 285.08' (From Str. A025) Inv. Out = 285.03' (To Str. A041)</p> <p>(A026) to (A041) In Pl. 225LF- 15" CPP Inv. In = 285.03' Inv. Out = 282.44'</p> <p>(A028) In Pl. CDI Top = 287.32' Inv. In = 282.68' (From Str. A024) Inv. Out = 282.62' (To Str. A029)</p> <p>(A028) to (A029) In Pl. 203LF- 24" CPP Inv. In = 282.62' Inv. Out = 280.69'</p> <p>(A029) In Pl. CDI Top = 285.29' Inv. In = 280.69' (From Str. A028) Inv. Out = 280.64' (To Str. A030)</p> <p>(A029) to (A030) In Pl. 200LF- 30" CPP Inv. In = 280.64' Inv. Out = 279.27'</p> <p>(A030) In Pl. CDI Top = 283.39' Inv. In = 279.27' (From Str. A029) Inv. Out = 279.20' (To Str. A031)</p> <p>(A030) to (A031) In Pl. 99LF- 30" CPP Inv. In = 279.20' Inv. Out = 278.57'</p> <p>(A031) In Pl. CDI Top = 282.89' Inv. In = 278.57' (From Str. A030) Inv. Out = 278.40' (To Str. A032)</p> <p>(A031) to (A032) In Pl. 52LF- 30" CPP Inv. In = 278.40' Inv. Out = 278.39'</p> <p>(A032) In Pl. CDI Top = 282.80' Inv. In = 278.39' (From Str. A031) Inv. Out = 278.24' (To Str. A033)</p> <p>(A032) to (A033) In Pl. 73LF- 30" CPP Inv. In = 278.24' Inv. Out = 277.61'</p> <p>(A033) In Pl. CDI Top = 283.03' Inv. In = 277.61' (From Str. A032) Inv. Out = 277.56' (To Str. A034)</p> <p>(A033) to (A034) In Pl. 163LF- 30" CPP Inv. In = 277.56' Inv. Out = 276.77'</p> <p>(A034) In Pl. CDI Top = 284.63' Inv. In = 276.77' (From Str. A033) Inv. In = 279.48' (From Str. A035) Inv. Out = 276.63' (To Str. A034A)</p>	<p>(A034) to (A034A) In Pl. 47LF- 36" CPP Inv. In = 276.63' Inv. Out = 275.99'</p> <p>(A034A) In Pl. End Section Inv. Out = 275.99'</p> <p>(A035) In Pl. CDI Top = 286.78' Inv. In = 281.97' (From Str. A036) Inv. Out = 281.72' (To Str. A034)</p> <p>(A035) to (A034) In Pl. 136LF- 24" CPP Inv. In = 281.72' Inv. Out = 279.48'</p> <p>(A036) In Pl. CDI Top = 290.86' Inv. In = 286.42' (From Str. A037) Inv. Out = 286.40' (To Str. A035)</p> <p>(A036) to (A035) In Pl. 246LF- 18" CPP Inv. In = 286.40' Inv. Out = 281.97'</p> <p>(A037) In Pl. CDI Top = 292.35' Inv. In = 288.12' (From Str. A038) Inv. Out = 288.02' (To Str. A036)</p> <p>(A037) to (A036) In Pl. 115LF- 18" CPP Inv. In = 288.02' Inv. Out = 286.42'</p> <p>(A038) In Pl. CDI Top = 294.00' Inv. In = 289.90' (From Str. A039) Inv. Out = 289.78' (To Str. A037)</p> <p>(A038) to (A037) In Pl. 126LF- 18" CPP Inv. In = 289.78' Inv. Out = 288.12'</p> <p>(A039) In Pl. CDI Top = 295.72' Inv. In = 291.23' (From Str. A040) Inv. Out = 291.17' (To Str. A038)</p> <p>(A039) to (A038) In Pl. 119LF- 15" CPP Inv. In = 291.17' Inv. Out = 289.90'</p> <p>(A040) In Pl. CDI Top = 297.40' Inv. In = 292.80' (From Str. A061) Inv. Out = 292.71' (To Str. A039)</p> <p>(A040) to (A039) In Pl. 95LF- 15" CPP Inv. In = 292.71' Inv. Out = 291.23'</p> <p>(A040A) In Pl. CDI Top = 300.88' Inv. Out = 296.66' (To Str. A040)</p> <p>(A040A) to (A040) In Pl. 191LF- 15" CPP Inv. In = 296.66' Inv. Out = 292.80'</p> <p>(A041) In Pl. CDI Top = 286.70' Inv. In = 282.44' (From Str. A026) Inv. Out = 272.40' (To Str. A042)</p> <p>(A041) to (A042) In Pl. 67LF- 15" CPP Inv. In = 272.40' Inv. Out = 269.90'</p> <p>(A042) In Pl. End Section Inv. Out = 269.90'</p> <p>(A043) In Pl. CDI Top = 284.76' Inv. Out = 280.78' (To Str. A044)</p> <p>(A043) to (A044) In Pl. 149LF- 15" CPP Inv. In = 280.78' Inv. Out = 279.29'</p> <p>(A044) In Pl. CDI Top = 283.47' Inv. In = 279.29' (From Str. A043) Inv. Out = 279.17' (To Str. A045)</p> <p>(A044) to (A045) In Pl. 100LF- 15" CPP Inv. In = 279.17' Inv. Out = 277.97'</p>	<p>(A045) to (A046) In Pl. 25LF- 15" CPP Inv. In = 277.70' Inv. Out = 277.40'</p> <p>(A046) In Pl. CDI Top = 282.88' Inv. In = 277.40' (From Str. A045) Inv. Out = 277.38' (To Str. A047)</p> <p>(A046) to (A047) In Pl. 76LF- 15" CPP Inv. In = 277.38' Inv. Out = 276.69'</p> <p>(A047) In Pl. CDI Top = 283.22' Inv. In = 276.69' (From Str. A046) Inv. Out = 275.12' (To Str. A048)</p> <p>(A047) to (A048) In Pl. 74LF- 15" CPP Inv. In = 275.12' Inv. Out = 274.17'</p> <p>(A048) In Pl. CDI Top = 283.73' Inv. In = 274.17' (From Str. A047) Inv. Out = 273.51' (To Str. A049)</p> <p>(A048) to (A049) In Pl. 52LF- 24" CPP Inv. In = 273.51' Inv. Out = 272.79'</p> <p>(A049) In Pl. CDI Top = 284.20' Inv. In = 272.79' (From Str. A048) Inv. Out = 272.75' (To Str. A050)</p> <p>(A049) to (A050) In Pl. 74LF- 24" CPP Inv. In = 272.75' Inv. Out = 271.65'</p> <p>(A050) In Pl. CDI Top = 285.00' Inv. at C/L Str. = 271.65' (From Str. A049)</p> <p>(A051) In Pl. CDI Top = 290.73' Inv. In = 281.76' (From Str. A053) Inv. In = 286.33' (From Str. A055) Inv. Out = 281.64' (To Str. A054)</p> <p>(A051) to (A054) In Pl. 49LF- 15" RCP Inv. In = 281.64' Inv. Out = 281.07'</p> <p>(A052) In Pl. CDI Top = 289.73' Inv. Out = 285.44' (To Str. A053)</p> <p>(A052) to (A053) In Pl. 64LF- 15" RCP Inv. In = 285.44' Inv. Out = 284.97'</p> <p>(A053) In Pl. CDI Top = 290.84' Inv. In = 284.97' (From Str. A052) Inv. In = 286.12' (From Str. A055) Inv. Out = 283.08' (To Str. A051)</p> <p>(A053) to (A051) In Pl. 52LF- 15" RCP Inv. In = 283.08' Inv. Out = 281.76'</p> <p>(A054) In Pl. Conc. Headwall Top = 283.27' Inv. Out = 281.07'</p> <p>(A055) In Pl. CDI Top = 295.06' Inv. Out = 291.04' (To Str. A051)</p> <p>(A055) to (A051) In Pl. 190LF- 15" RCP Inv. In = 291.04' Inv. Out = 286.33'</p> <p>(A056) In Pl. CDI Top = 293.97' Inv. Out = 288.70' (To Str. A053)</p> <p>(A056) to (A056A) In Pl. 18LF- 15" RCP Inv. In = 288.70' Inv. Out = 288.23'</p>
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No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1F(2)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Binker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackoich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Survey Drainage Information

Structures A056A to A220

REVISED	STATE	STATE		SHEET NO.
		ROUTE	VDOT PROJECT NO.	
	VA.	294	0294-076-xxx C501 RW201	IF(3)

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

Rinker Design Assoc., P.C.
Richmond, Virginia
(SURVEY)

A056A	In Pl. Manhole Top = 293.60' Inv. In = 288.23' (From Str. A056) Inv. Out = 288.20' (To Str. A053)	A065	In Pl. CDI Top = 298.05' Verified Correct Inv. Out = 292.85' (To Str. A065A)	A200	In Pl. GRT Top = 316.33' Inv. In = 313.83' Inv. Out = 313.83' (To Str. A201)	A210 to A208	In Pl. 43LF- 36" RCP Inv. In = 305.65' Inv. Out = 305.22'
A056A to A053	In Pl. 148LF- 15" RCP Inv. In = 288.20' Inv. Out = 286.12'	A065 to A065A	In Pl. 12LF- 15" RCP Inv. In = 292.85' Inv. Out = 292.55'	A072	In Pl. 45LF- 15" RCP Inv. In = 282.67' Inv. Out = 282.20'	A200 to A201	In Pl. 67LF- 18" RCP Inv. In = 312.45' Inv. Out = 312.45'
A057	In Pl. CDI Top = 299.71' Inv. In = 294.04' (From Str. A059) Inv. Out = 294.04' (To Str. A058)	A066	In Pl. CDI Top = 290.97' Verified Correct Inv. Out = 285.84' (To Str. A066A)	A072A	In Pl. DI Top = 285.55' Inv. Out = 283.20' (To Str. A072)	A201	In Pl. CDI Top = 317.10' Inv. In = 312.45' (From Str. A200) Inv. Out = 312.40' (To Str. A202)
A057 to A058	In Pl. 50LF- 15" RCP Inv. In = 294.04' Inv. Out = 292.47'	A066 to A066A	In Pl. 9LF- 15" RCP Inv. In = 285.84' Inv. Out = 285.66'	A072A to A073	In Pl. 45LF- 15" RCP Inv. In = 282.67' Inv. Out = 282.20'	A201 to A202	In Pl. 44LF- 18" RCP Inv. In = 312.40' Inv. Out = 311.53'
A058	In Pl. Conc. Headwall Top = 294.57' Inv. Out = 292.47'	A066A	In Pl. Manhole Top = 290.88' Inv. In = 281.54' (From Str. A065A) Inv. In = 258.66' (From Str. A066) Inv. In = 286.16' (From Str. A067) Inv. Out = 280.38' (To Str. A083)	A073	In Pl. CDI Top = 286.40' Inv. In = 282.20' (From Str. 72A) Inv. Out = 280.05' (To Str. A074)	A202	In Pl. CDI Top = 315.88' Inv. In = 311.53' (From Str. A201) Inv. Out = 311.42' (To Str. A203)
A059	In Pl. CDI Top = 299.55' Inv. In = 295.12' (From Str. A060) Inv. Out = 295.12' (To Str. A057)	A066A to A083	In Pl. 118LF- 24" RCP Inv. In = 280.38' Inv. Out = 277.82'	A073 to A074	In Pl. 115LF- 15" RCP Inv. In = 280.05' Inv. Out = 277.30'	A202 to A203	In Pl. 28LF- 18" RCP Inv. In = 311.42' Inv. Out = 310.49'
A059 to A057	In Pl. 64LF- 15" RCP Inv. In = 295.12' Inv. Out = 294.04'	A067	In Pl. CDI Top = 293.04' Inv. Out = 287.70' (To Str. A066A)	A074	In Pl. MH Top = 288.85' Inv. In = 277.30' (From Str. A073) Inv. Out = 277.10' (To Southwest)	A203	In Pl. ES-1 Inv. Out = 310.49'
A060	In Pl. CDI Top = 301.60' Inv. Out = 296.45' (To Str. A059)	A067 to A066A	In Pl. 65LF- 15" RCP Inv. In = 287.70' Inv. Out = 286.16'	A077	In Pl. CDI Top = 279.59' Inv. Out = 274.89' (To Str. A286)	A204	In Pl. CDI Top = 311.84' Inv. In = 306.69' (To Str. A205)
A060 to A059	In Pl. 191LF- 15" RCP Inv. In = 296.45' Inv. Out = 295.12'	A068	In Pl. CDI Top = 286.66' Inv. In = 281.61' (From Str. A069) Inv. Out = 281.59' (To Str. A068A)	A077 to A286	In Pl. 235LF- 15" RCP Inv. In = 274.89' Inv. Out = 268.35'	A204 to A205	In Pl. 75LF- 15" RCP Inv. In = 306.69' Inv. Out = 306.17'
A061	In Pl. CDI Top = 303.21' Inv. Out = 298.85' (To Str. A062)	A068 to A068A	In Pl. 62LF- 15" RCP Inv. In = 281.59' Inv. Out = 280.06'	A079	In Pl. CDI Top = 277.70' Inv. Out = 272.75' (To Str. A285)	A205	In Pl. CDI Top = 311.50' Inv. In = 306.17' (From Str. A204) Inv. Out = 306.07' (To Str. A207)
A061 to A062	In Pl. 76LF- 15" RCP Inv. In = 298.85' Inv. Out = 298.51'	A068A	In Pl. Manhole Top = 284.70' Inv. In = 280.06' (From Str. A068) Inv. In = 280.20' (From Str. A068B) Inv. Out = 279.91' (To Str. A083)	A079 to A285	In Pl. 201LF- 15" CPP Inv. In = 272.75' Inv. Out = 267.25'	A205 to A207	In Pl. 51LF- 15" RCP Inv. In = 306.07' Inv. Out = 305.00'
A062	In Pl. CDI Top = 302.83' Inv. In = 298.51' (From Str. A061) Inv. Out = 298.28' (To Str. A063)	A068B to A068A	In Pl. 6LF- 15" RCP Inv. In = 280.22' Inv. Out = 280.20'	A080	In Pl. CDI Top = 280.47' Inv. Out = 275.96' (To Str. A081)	A206	In Pl. ES Inv. Out = 303.88'
A062 to A063	In Pl. 147LF- 15" RCP Inv. In = 298.28' Inv. Out = 296.66'	A068B to A068A	In Pl. 238LF- 18" RCP Inv. In = 279.91' Inv. Out = 278.55'	A080 to A081	In Pl. 122LF- 15" RCP Inv. In = 275.96' Inv. Out = 271.8'	A207 to A206	In Pl. 18LF- 36" RCP Inv. In = 304.13' Inv. Out = 303.88'
A063	In Pl. CDI Top = 300.91' Verified Correct Inv. In = 296.66' (From Str. A062) Inv. Out = 296.61' (To Str. A063A)	A068B	In Pl. CDI Top = 284.77' Inv. In = xxx.xx' (From Str. A068A)	A081	In Pl. CDI Top = 278.56' Inv. In = 271.20' (From Str. A080) Inv. In = 267.77' (From A418) Inv. In = 271.11' (From East) Inv. Out = 267.76' (A421)	A207	In Pl. CDI Top = 311.93' Inv. In = 304.26' (From Str. A208) Inv. In = 305.00' (From Str. A209) Inv. In = 306.09' (From Str. A220) Inv. Out = 304.14' (To Str. A206)
A063 to A063A	In Pl. 13LF- 15" RCP Inv. In = 296.61' Inv. Out = 295.86'	A069	In Pl. CDI Top = 288.55' Inv. Out = 283.49' (To Str. A068)	A082	In Pl. Manhole Top = 286.39' Inv. In = 275.99' (From Str. A083) Inv. Out = 275.88' (To Str. A084)	A220 to A207	In Pl. 129LF- 24" RCP Inv. In = 308.74' Inv. Out = 306.09'
A063A	In Pl. Manhole Top = 300.48' Inv. In = 295.86' (From Str. A063) Inv. Out = 289.87' (To Str. A064)	A069 to A068	In Pl. 70LF- 15" RCP Inv. In = 283.49' Inv. Out = 281.61'	A082 to A084	In Pl. 125LF- 48" RCP Inv. In = 275.88' Inv. Out = 275.34'	A208	In Pl. CDI Top = 313.82' Inv. In = 305.22' (From Str. A210) Inv. In = 306.07' (From Str. A209) Inv. Out = 305.10' (To Str. A207)
A063A to A064	In Pl. 42LF- 18" RCP Inv. In = 289.87' Inv. Out = 289.56'	A070	In Pl. Manhole Top = 291.11' Inv. In = 286.16' (To Str. A070A) Inv. Out = 282.15' (To Str. A071)	A083	In Pl. Manhole Top = 288.10' Inv. In = 276.05' (From Str. A071) Inv. In = 277.82' (From Str. A066A) Inv. In = 278.55' (From Str. A068A) Inv. Out = 276.03' (To Str. A082)	A208 to A207	In Pl. 55LF- 36" RCP Inv. In = 305.10' Inv. Out = 304.26'
A064	In Pl. CDI Top = 299.93' Inv. In = 289.56' (From Str. A063A) Inv. Out = 289.43' (To Str. A065)	A070 to A071	In Pl. 71LF- 24" RCP Inv. In = 282.15' Inv. Out = 280.91'	A083 to A082	In Pl. 29LF- 48" RCP Inv. In = 276.03' Inv. Out = 275.99'	A209	In Pl. CDI Top = 313.64' Inv. In = 309.64' (From Str. A214) Inv. Out = 309.39' (To Str. A208)
A064 to A065A	In Pl. 67LF- 18" RCP Inv. In = 289.43' Inv. Out = 287.96'	A071	In Pl. Metal Grate Top = 285.21' Inv. In = 280.91' (From Str. A070) Inv. Out = 279.11' (To Str. A083)	A084	In Pl. CDI Top = 284.63' Inv. In = 275.34' (From Str. A082) Inv. In = xxx.xx' (From Str. A407) Inv. In = 277.25' (From Str. A408) Inv. Out = 275.19' (To Str. A414)	A209 to A208	In Pl. 55LF- 15" RCP Inv. In = 309.39' Inv. Out = 306.07'
A065A	In Pl. Manhole Top = 297.91' Inv. In = 287.96' (From Str. A064) Inv. In = 292.55' (From Str. A065) Inv. Out = 287.31' (To Str. A066A)	A071 to A083	In Pl. 181LF- 48" RCP Inv. In = 279.11' Inv. Out = 276.05'			A219 to A220	In Pl. 98LF- 24" RCP Inv. In = 309.45' Inv. Out = 308.86'
A065A to A066A	In Pl. 297LF- 24" RCP Inv. In = 287.31' Inv. Out = 281.54'						

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. IF(3)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGEMENT: SURVEYED BY, DATE, DESIGN BY, SUBSURFACE UTILITY BY, DATE

Survey Drainage Information

Structures A220 to A270

Table with columns: REVISED, STATE, ROUTE, VDOT PROJECT NO., SHEET NO. Values: VA, 294, 0294-076-xxx C501 RW201, IF(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 Assoc., P.C. Richmond, Virginia (SURVEY)

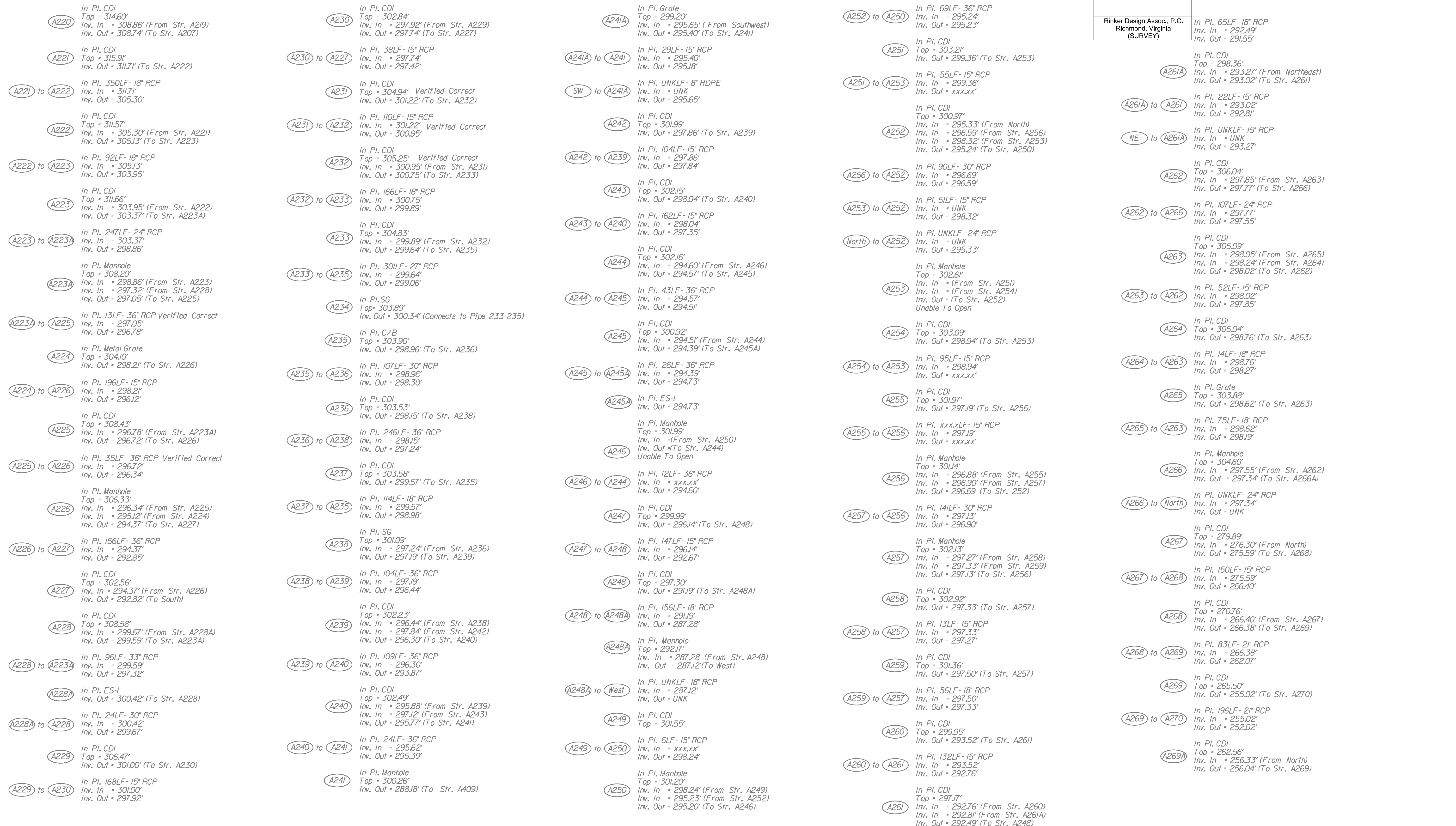


Table with columns: No Scale, VDOT PROJECT NO. 0294-076-xxx, SHEET NO. IF(4)

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

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PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: *Nicholas Kougouli's, Biotec Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guon, Biotec Design Assoc., P.C. (703) 368-7373*
SUBSURFACE UTILITY BY, DATE: *Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021*

Survey Drainage Information

Structures A269A to A301B

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	1F(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 Assoc., P.C.
Richmond, Virginia
(SURVEY)

In Pl. 143LF- 48" RCP
Inv. In = 273.24'
Inv. Out = 270J8'

In Pl. CDI
Top = 280.03'
Inv. In = 270J8' (From Str. A415)
Inv. Out = 269.97' (To Str. A417)

In Pl. 12LF- 48" RCP
Inv. In = 269.97'
Inv. Out = 270.02'

In Pl. MH
Top = 280.05'
Inv. In = 270.02' (From Str. A416)
Inv. In = 272.99' (From East)
Inv. In = 273.18' (From Str. A419)
Inv. Out = 269.66' (To Str. A418)

In Pl. 41LF- 54" RCP
Inv. In = 269.66'
Inv. Out = 268.90'

In Pl. UNKLF- 15" RCP
Inv. In = UNK
Inv. Out = 272.99'

In Pl. CDI
Top = 278.99'
Inv. In = 268.90' (From Str. A417)
Inv. Out = 268J7' (To Str. A081)

In Pl. 29LF- 54" RCP
Inv. In = 268J7'
Inv. Out = 267.77'

In Pl. CDI
Top = 281.21'
Inv. In = 275.27' (To Str. A417)

In Pl. 65LF- 15" RCP
Inv. In = 275.27'
Inv. Out = 273J8'

In Pl. CDI
Top = 296.21'
Inv. Out = 289.71' (To East)

In Pl. UNKLF- 15" RCP
Inv. In = 289.71'
Inv. Out = UNK

In Pl. Metal Grate
Top = 274.85'
Inv. In = 265.95' (From Str. A081)
Inv. Out = 268.90' (To Str. A422)

In Pl. 160LF- 54" RCP
Inv. In = 267.76'
Inv. Out = 265.95'

In Pl. 62LF- 54" RCP
Inv. In = 265.90'
Inv. Out = 264.75'

In Pl. Metal Grate
Top = 273.30'
Inv. In = 264.75' (From Str. A421)
Inv. Out = 264.45' (To Str. A423)

In Pl. 63LF- 54" RCP
Inv. In = 264.45'
Inv. Out = 257.81'

In Pl. CDI
Top = 272.48'
Inverts Obstructed CL Inv. = 263J6'
Inv. In = 263J6' CL (From Str. A422)
Inv. In = 263J6' CL (From Str. A425)
Inv. Out = 263J6' CL (To Str. A424)

In Pl. 140LF- 54" RCP
Inv. In = 263J6' CL
Inv. Out = 260.62'

In Pl. CDI
Top = 270.61'
Inv. In = 260.62' (From Str. A423)
Inv. Out = 255.28' (To Str. A282)

In Pl. 47LF- 54" RCP
Inv. In = 255.28'
Inv. Out = 254.51'

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1F(5)
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(A269A) to (A269) In Pl. 148LF- 21" RCP
Inv. In = 256.04'
Inv. Out = 255.27'

In Pl. CDI
Top = 256.67'
Inv. In = 252.02' (From Str. A269)
Inv. Out = 252.00' (To Str. A270A)

(A270) to (A270A) In Pl. 25LF- 21" RCP
Inv. In = 252.00'
Inv. Out = 251.37'

(A270A) In Pl. End Section
Inv. Out = 251.37'

In Pl. CDI
Top = 254.72'
Inv. In = 245.48' (From Str. 272)
Inv. In = 248.44' (From East)
Inv. In = 245.35' (From North)
Inv. Out = 244.89' (To A466)

(A272) to (A271) In Pl. 237LF- 24" RCP
Inv. In = 248.86'
Inv. Out = 245.48'

In Pl. CDI
Top = 257.54'
Inv. In = 250.35' (From Str. 273)
Inv. In = 251.25' (From Str. 272A)
Inv. Out = 248.86' (To Str. 271)

(A272A) to (A272) In Pl. 67LF- 18" RCP
Inv. In = 254.71'
Inv. Out = 251.25'

(A272A) In Pl. CDI
Top = 260.25'
Inv. Out = 254.71' (To Str. 272)

In Pl. Grate
Top = 256.02'
Inv. In = 251.52' (From Str. 274)
Inv. Out = 251.22' (To Str. 272)

(A273) to (A272) In Pl. 53LF- 18" RCP
Inv. In = 251.22'
Inv. Out = 250.35'

(A274) In Pl. CDI
Top = 260.85'
Inv. In = 253.47' (From Str. 275)
Inv. In = 253.50' (From Str. 274A)
Inv. Out = 252.02' (To Str. 273)

(A274) to (A273) In Pl. 145LF- 18" RCP
Inv. In = 252.02'
Inv. Out = 251.52'

(A274A) In Pl. CDI
Top = 261J0'
Inv. Out = 254.09' (To Str. 274)

(A274A) to (A274) In Pl. 27LF- 15" RCP
Inv. In = 254.09'
Inv. Out = 253.50'

(A275) In Pl. CDI
Top = 260.76'
Inv. In = 256.76' (From Str. 275A)
Inv. In = 256.30' (From Str. 276)
Inv. Out = 256J6' (To Str. 274)

(A275) to (A274) In Pl. 89LF- 15" RCP
Inv. In = 256J6'
Inv. Out = 253.47'

(A275A) In Pl. CDI
Top = 264.02'
Inv. Out = 256.71' (To Str. 275)

(A275A) to (A275) In Pl. 19LF- 15" RCP
Inv. In = 256.71'
Inv. Out = 256.76'

(A276) In Pl. CDI
Top = 261.20'
Inv. Out = 256.81' (To Str. 275)

(A276) to (A275) In Pl. 32LF- 15" RCP
Inv. In = 256.81'
Inv. Out = 256.30'

(A277) In Pl. CDI
Top = 262.03'
Inv. Out = 256.73' (To Str. A278)

(A277) to (A278) In Pl. 63LF- 15" RCP
Inv. In = 256.73'
Inv. Out = 256J5'

(A278) In Pl. CDI
Top = 263J0'
Inv. In = 256J5' (From Str. 277)
Inv. In = 257.50' (From Str. 279)
Inv. Out = 255.70' (To Str. A280)

(A278) to (A280) In Pl. 24LF- 18" RCP
Inv. In = 255.70'
Inv. Out = 252.62'

(A279) In Pl. CDI
Top = 264.65'
Inv. Out = 259.05' (To Str. A278)

(A279) to (A278) In Pl. 68LF- 15" RCP
Inv. In = 259.05'
Inv. Out = 257.50'

(A280) In Pl. CDI
Top = 265.73'
Inv. In = 252.62' (From 278)
Inv. In = 251.80' (From 280A)
Inv. Out = 250.83' (To Str. A281)

(A280) to (A281) In Pl. 135LF- 24" RCP
Inv. In = 250.83'
Inv. Out = 242.40'

(A280A) In Pl. CDI
Top = 264.35'
Inv. In = 257J' (From 280B)
Inv. Out = 255J0' (To Str. A280)

(A280A) to (A280) In Pl. 55LF- 24" RCP
Inv. In = 255J0'
Inv. Out = 251.80'

(A280B) In Pl. Inlet
Top = 262.28'
Inv. In = 258.98' (To Str. A429)
Inv. Out = 258.51' (To Str. A280A)

(A280B) to (A280A) In Pl. 58LF- 24" RCP
Inv. In = 258.51'
Inv. Out = 257J0'

(A281) In Pl. CDI
Top = 261.35'
Inv. In = 240.75' (From 283)
Inv. In = 242.40' (From 280)
Inv. Out = 240.40' (To Str. A281A)

(A281) to (A281A) In Pl. 603LF- 60" RCP
Inv. In = 240.40'
Inv. Out = 223.40'

(A281B) In Pl. Catch Basin
Top = 247.67'
Inv. In = 234.00' (From Str. A281C)
Inv. Out = 232.82' (To Str. A281A)

(A281B) to (A281A) In Pl. 29LF- 15" RCP
Inv. In = 232.82'
Inv. Out = 231.60'

(A281C) In Pl. Grate
Top = 245.80'
Inv. Out = 239.05' (To Str. A281B)

(A281C) to (A281B) In Pl. 44LF- 15" RCP
Inv. In = 239.05'
Inv. Out = 234.00'

(A281D) In Pl. Wingwall
Inv. Out = 221.25' (From Str. A281A)

(A282) In Pl. CDI
Top = 269J8'
Inv. In = 254.51' (From Str. A424)
Inv. In = 264.75' (From Str. A427)
Inv. Out = 250.43' (To Str. A283)

(A282) to (A283) In Pl. 74LF- 54" RCP
Inv. In = 250.43'
Inv. Out = 248.42'

(A283) In Pl. MH
Top = 268.70'
Inv. In = 248.42' (From Str. A282)
Inv. In = 263.70' (From Str. A284)
Inv. Out = 250.33' (To Str. A281)

(A283) to (A281) In Pl. 243LF- 54" RCP
Inv. In = 248.23'
Inv. Out = 240.75'

(A284) In Pl. CDI
Top = 271.07'
Inv. In = 265.83' (From Str. A285)
Inv. Out = 265.62' (To Str. A283)

(A284) to (A283) In Pl. 102LF- 18" RCP
Inv. In = 265.62'
Inv. Out = 263.70'

(A285) In Pl. CDI
Top = 272.70'
Inv. In = 267.20' (From Str. A286)
Inv. In = 267.25' (From Str. A079)
Inv. Out = 267.05' (To Str. A284)

(A285) to (A284) In Pl. 67LF- 18" RCP
Inv. In = 267.05'
Inv. Out = 265.83'

(A286) In Pl. CDI
Top = 273.91'
Inv. In = 268.35' (From Str. A077)
Inv. Out = 268J6' (To Str. A285)

(A300A) In Pl. End Section
Inv. Out = 238.77'

(A300B) In Pl. End Section
Inv. Out = 239.06'

(A301A) In Pl. End Section
Inv. Out = 239.39' (To Str. A300A)

(A301A) to (A300A) In Pl. 80LF- 60" CMP
Inv. In = 239.39'
Inv. Out = 238.77'

(A301B) to (A300B) In Pl. 80LF- 60" CMP
Inv. In = 239.88'
Inv. Out = 239.06'

(A301B) In Pl. End Section
Inv. Out = 239.88' (To Str. A300B)

(A400) In Pl. Conc. Endwall
Top = 296.80'
Inv. In = 293.69' (To Str. A401)

(A400) to (A401) In Pl. 349LF- 21" RCP
Inv. In = 293.69'
Inv. Out = 284.37'

(A401) In Pl. CDI
Top = 290J2'
Inv. In = 284.37' (From Str. A400)
Inv. In = 282.87' (From East)
Inv. Out = 282.77' (To Str. A402)

(A401) to (A402) In Pl. 188LF- 30" RCP
Inv. In = 282.77'
Inv. Out = 279J7'

(East) to (A401) In Pl. UNKLF- 30" RCP
Inv. In = UNK
Inv. Out = 282.87'

(A402) In Pl. Metal Grate
Top = 285J0'
Inv. In = 279J7' (From Str. A401)
Inv. Out = 278.95' (To North)

(A402) to (North) In Pl. UNKLF- 30" RCP
Inv. In = 278.95'
Inv. Out = UNK

(A403) In Pl. CDI
Top = 290.49'
Inv. Out = 285.79' (To Str. A404)

(A403) to (A404) In Pl. 59LF- 15" RCP
Inv. In = 285.79'
Inv. Out = 284.73'

(A404) In Pl. CDI
Top = 289.69'
Inv. In = 284.73' (From Str. A403)
Inv. Out = 284.51' (To Str. A405)

(A404) to (A405) In Pl. 25LF- 15" RCP
Inv. In = 284.51'
Inv. Out = 284.39'

(A405) In Pl. CDI
Top = 289.35'
Inv. In = 284.39' (From Str. A404)
Inv. Out = 283.84' (To Str. A406)

(A405) to (A406) In Pl. 85LF- 15" RCP
Inv. In = 283.84'
Inv. Out = 282J0'

(A406) In Pl. CDI
Top = 287.51'
Inv. In = 282J0' (From Str. A405)
Inv. Out = 281.91' (To Str. A407)

(A406) to (A407) In Pl. 61LF- 15" RCP
Inv. In = 281.91'
Inv. Out = 280.51'

(A407) In Pl. CDI
Top = 285.71'
Inv. In = 280.51' (From Str. A406)
Inv. Out = 280.47' (To Str. A084)

(A407) to (A084) In Pl. 51LF- 15" RCP
Inv. In = 280.47'
Inv. Out = XXX.XX'

(A408) In Pl. Metal Grate
Top = 282.21'
Inv. Out = 278J1' (To Str. A084)

(A407) to (A084) In Pl. 69LF- 15" RCP
Inv. In = 278J1'
Inv. Out = 277.25'

(A409) In Pl. CDI
Top = 294.98'
Inv. In = 282.71' (From Str. A241)
Inv. Out = 281.60' (To Str. A410)

(A241) to (A409) In Pl. 176LF- 36" RCP
Inv. In = 288J8'
Inv. Out = 282.71'

(A409) to (A410) In Pl. 54LF- 36" RCP
Inv. In = 281.60'
Inv. Out = 281.02'

(A410) In Pl. MH
Top = 292.87'
Inv. In = 281.02' (From Str. A409)
Inv. Out = 280.39' (To Str. A411)

(A410) to (A411) In Pl. 75LF- 36" RCP
Inv. In = 280.39'
Inv. Out = 278J6'

(A411) In Pl. MH
Top = 290.72'
Inv. In = 278J6' (From Str. A410)
Inv. In = 277.96' (From East)
Inv. Out = 277.09' (To Str. A412)

(East) to (A411) In Pl. UNKLF- 36" RCP
Inv. In = UNK
Inv. Out = 277.96'

(A411) to (A412) In Pl. 6LF- 48" RCP
Inv. In = 277.09'
Inv. Out = 277J3'

(A412) In Pl. CDI
Top = 290.85'
Inv. In = 277J3' (From Str. A411)
Inv. In = 277.01' (From Str. A413)

(A412) to (A413) In Pl. 147LF- 48" RCP
Inv. In = 277.01'
Inv. Out = 275.97'

(A413) In Pl. CDI
Top = 286.29'
Inv. In = 275.97' (From Str. A412)
Inv. Out = 275.86' (To Str. A414)

(A413) to (A414) In Pl. 121LF- 48" RCP
Inv. In = 275.86'
Inv. Out = 275.02'

(A414) In Pl. CDI
Top = 283.56'
Inv. In = 275.02' (From Str. A413)
Inv. In = 274.99' (From Str. A084)
Inv. Out = 274.72' (To Str. A415)

(A084) to (A414) In Pl. 54LF- 48" RCP
Inv. In = 275J9'
Inv. Out = 274.99'

(A414) to (A415) In Pl. 100LF- 48" RCP
Inv. In = 274.72'
Inv. Out = 273.24'

(A415) In Pl. MH
Top = 281.94'
Inv. In = 273.24' (From Str. A414)
Inv. Out = 273.24' (To Str. A416)

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

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PH PLANS

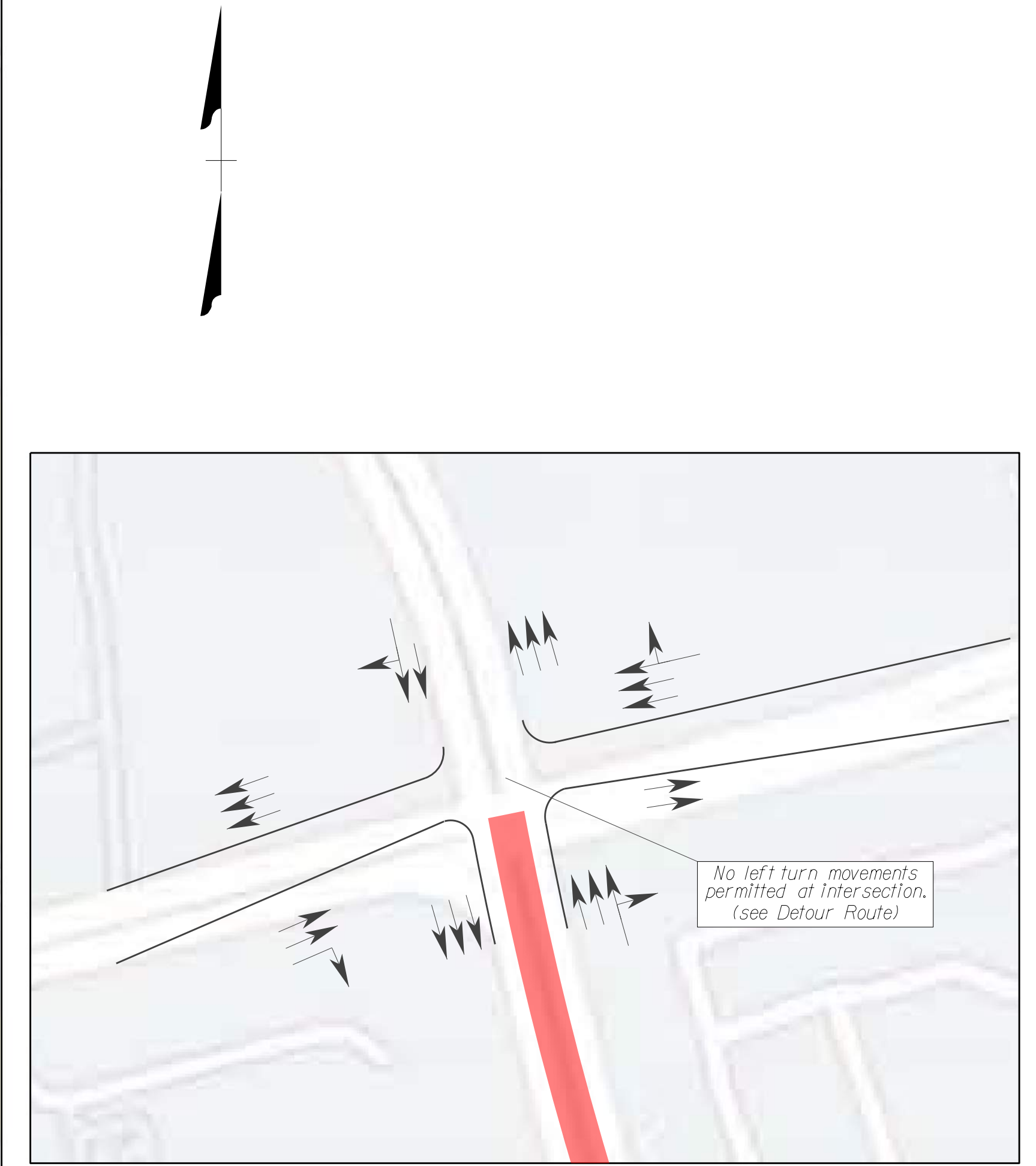
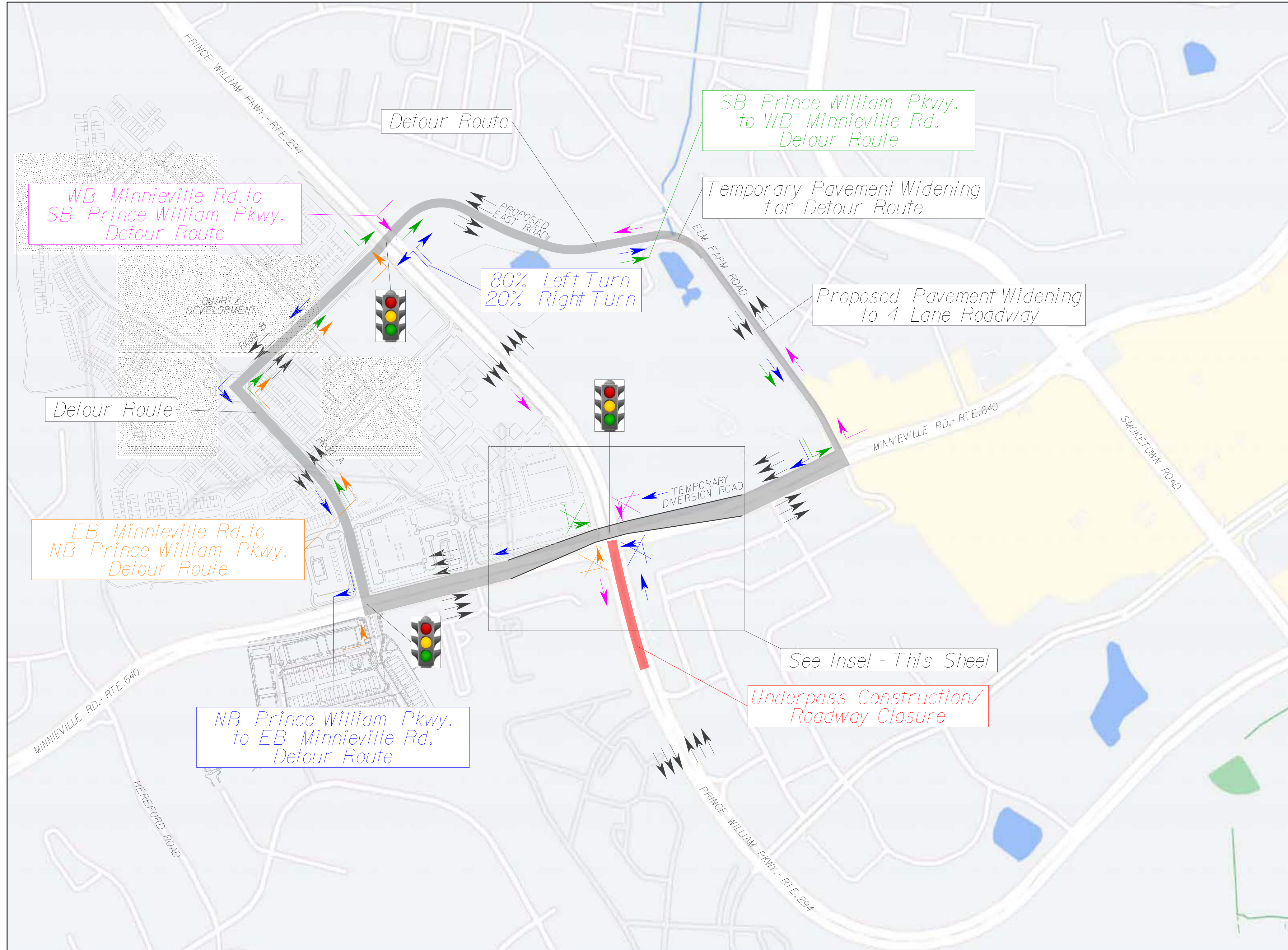
PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Rinker Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Temporary Traffic Control Plan Detour Plan Map - Phase A

REVISED	STATE		STATE	SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	1K

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 Assoc., P.C.
 Fredericksburg, Virginia
 (TRAFFIC)



INSET

LEGEND

- Underpass Construction / Roadway Closure
- Detour Route
- Temporary Signal

CONCEPT

MINNIEVILLE RD. DETOUR AT PRINCE WILLIAM PKWY. - DETOUR ROUTE MAP

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1K
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

\$TIME\$TAMPS

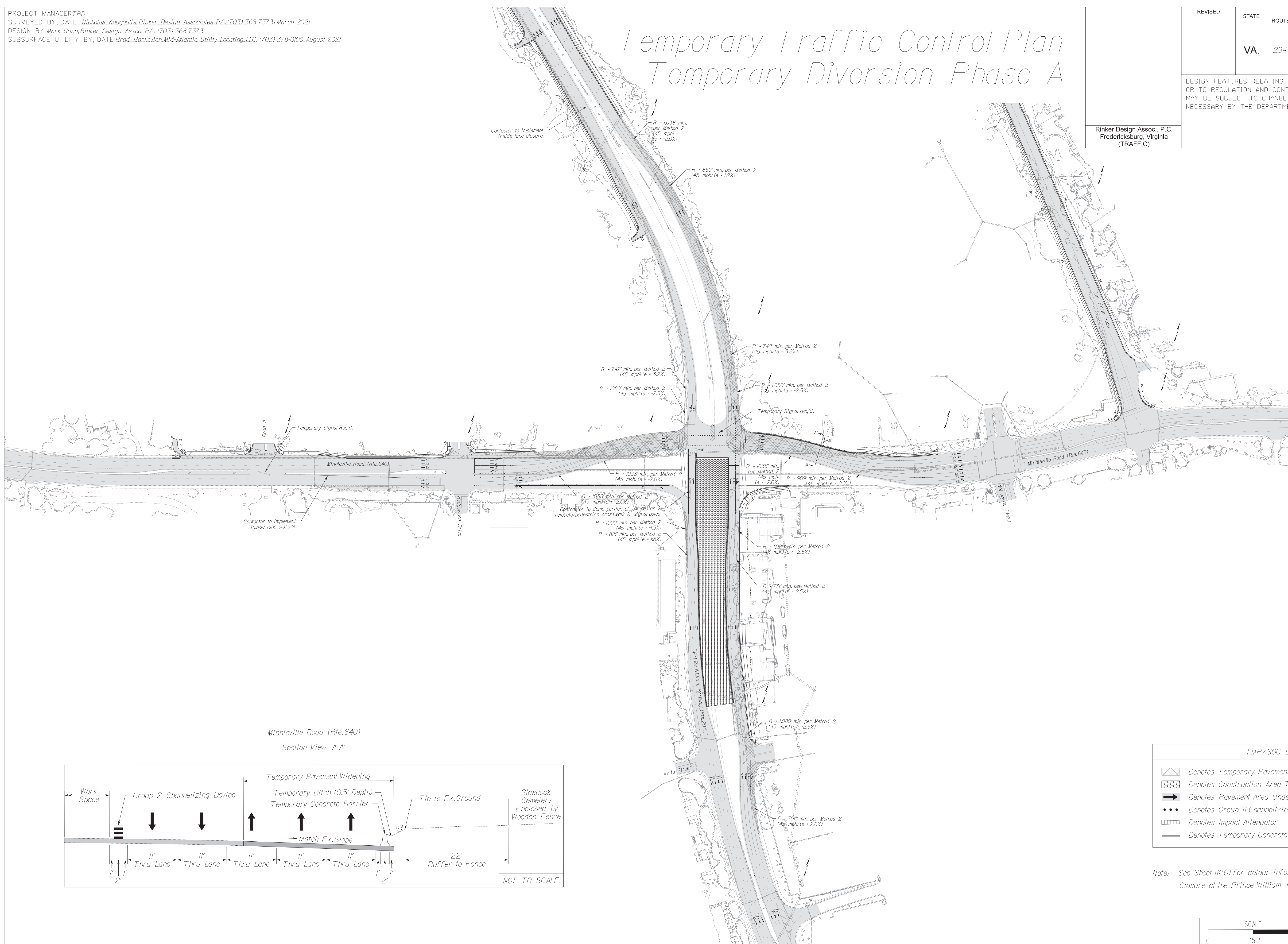
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	1K(1)

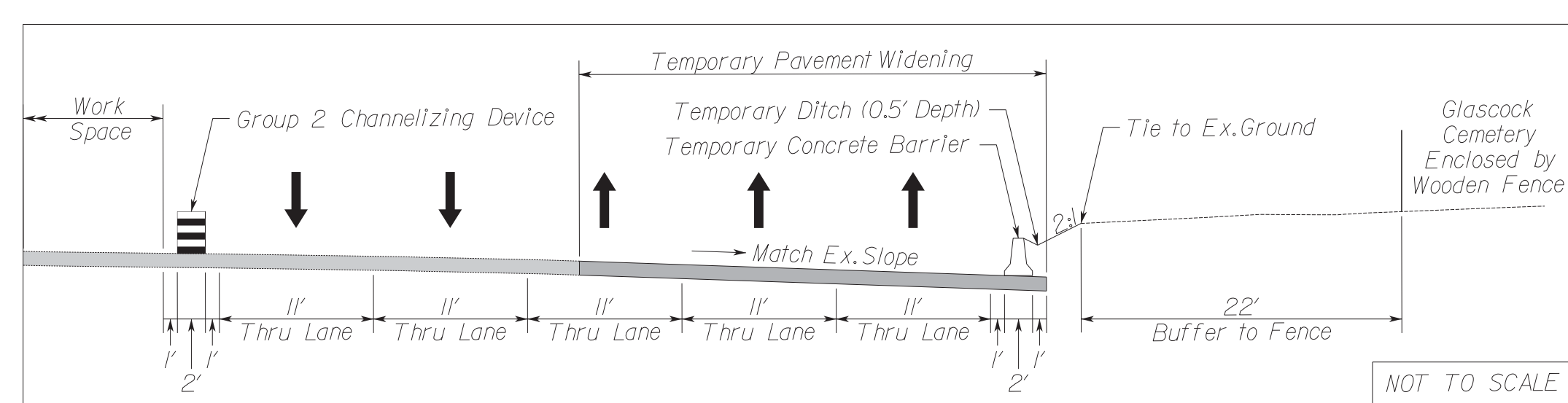
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

Temporary Traffic Control Plan Temporary Diversion Phase A



Minnville Road (Rte. 640)
Section View A-A'



	Denotes Temporary Pavement Construction Previous Phase
	Denotes Construction Area This Phase
	Denotes Pavement Area Under Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Impact Attenuator
	Denotes Temporary Concrete Median Barrier Service

Note: See Sheet 1K(0) for detour information of the Left Turn Lane Closure at the Prince William Pkwy/Minnville Rd Intersection.

SCALE 0 150' 300'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1K(1)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

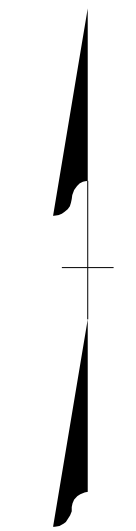
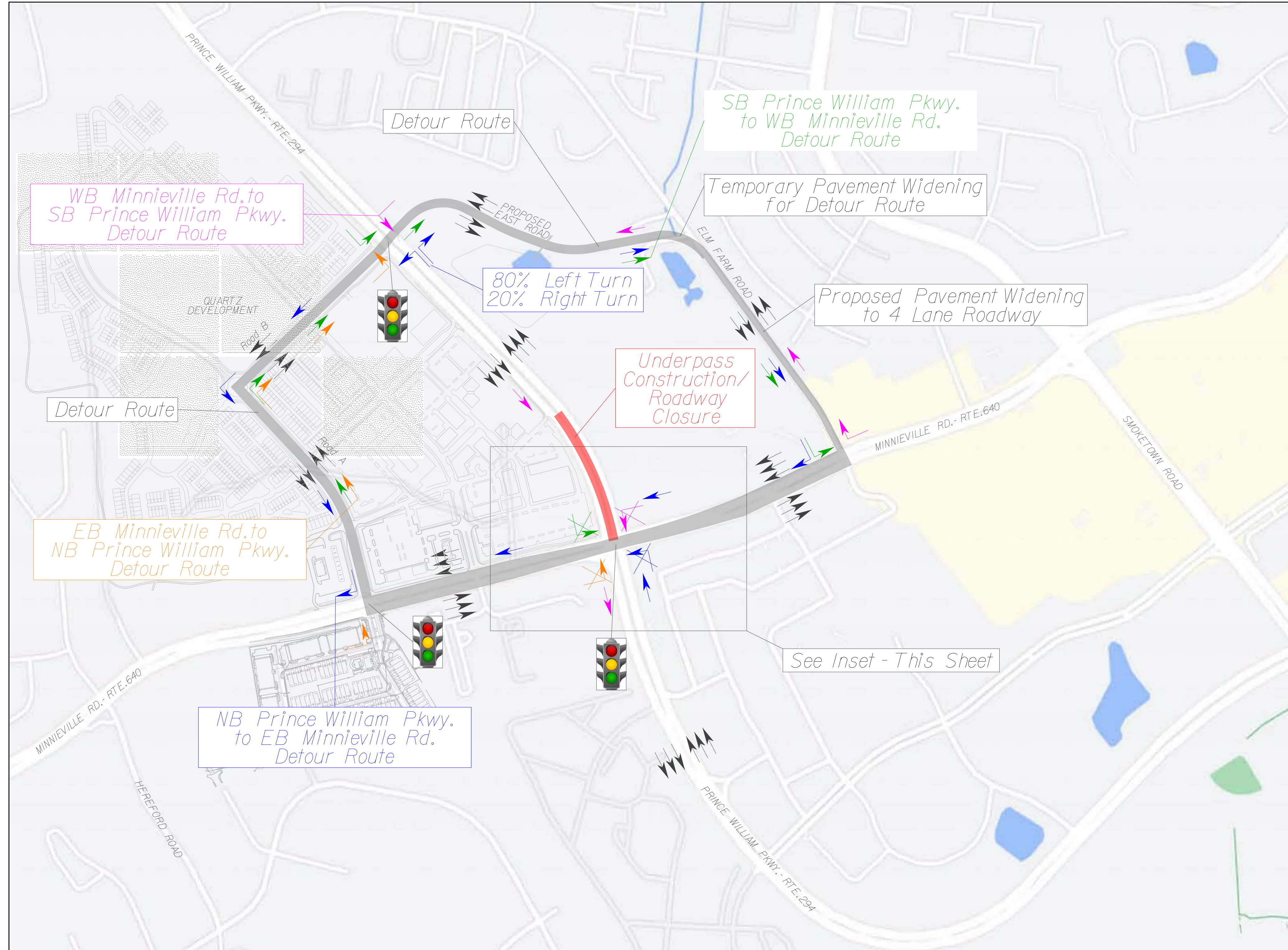
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: *Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373, March 2021*
 DESIGN BY: *Mark Guon, Binker Design Assoc., P.C. (703) 368-7373*
 SUBSURFACE UTILITY BY, DATE: *Brad Markovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021*

Temporary Traffic Control Plan Detour Plan Map - Phase B

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	1L
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 Assoc., P.C. Fredericksburg, Virginia (TRAFFIC)					



- LEGEND**
- Underpass Construction / Roadway Closure
 - Detour Route
 - Temporary Signal

CONCEPT

MINNIEVILLE RD. DETOUR AT PRINCE WILLIAM PKWY. - DETOUR ROUTE MAP

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1L
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

\$TIME/\$STAMP\$

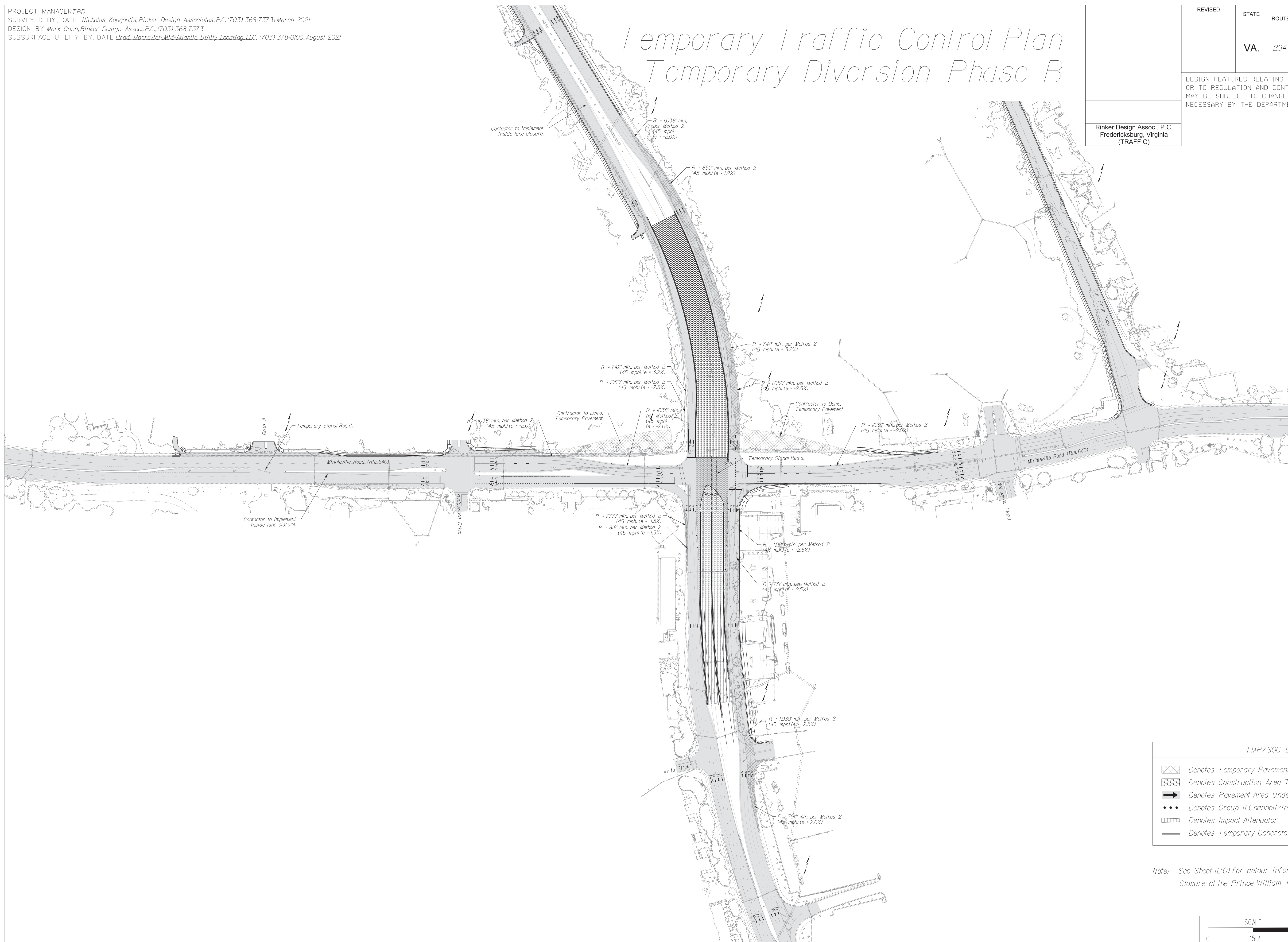
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Temporary Traffic Control Plan Temporary Diversion Phase B

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	1L(1)

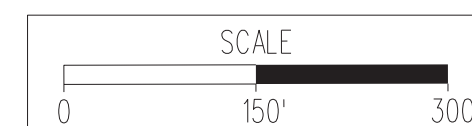
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



TMP/SOC Legend	
	Denotes Temporary Pavement Construction Previous Phase
	Denotes Construction Area This Phase
	Denotes Pavement Area Under Traffic Flow
	Denotes Group II Channelizing Devices
	Denotes Impact Attenuator
	Denotes Temporary Concrete Median Barrier Service

Note: See Sheet 1L(0) for detour information of the Left Turn Lane Closure at the Prince William Pkwy/Minnieville Rd Intersection.



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1L(1)
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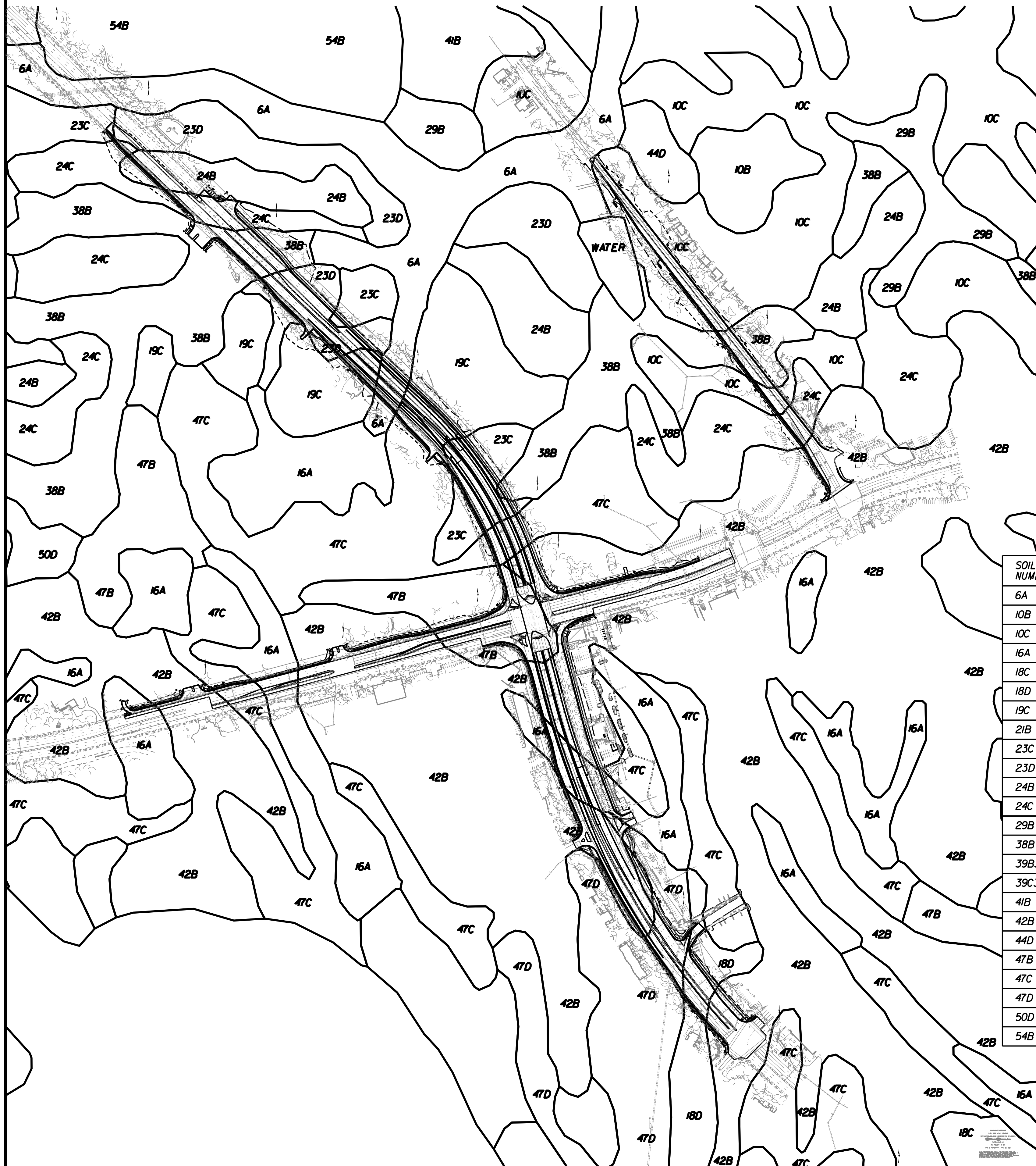
PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, (Blinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Soil Identification Map

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	IU

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



SOIL NUMBER	SOIL NAME	HSG	K-FACTOR	DRAINAGE CLASS	SLOPES	RUNOFF CLASS	DEPTH TO BEDROCK	FLOODING	SHRINK / SWELL	EROSION HAZARD
6A	Balle Loam	C/D	.37	Poorly Drained	0-4%	High	>80 In	None	Moderate	Slight
10B	Buckhall Loam	B	.37	Well Drained	2-7%	Medium	>80 In	None	Low	Moderate
10C	Buckhall Loam	B	.37	Well Drained	7-15%	Medium	>80 In	None	Low	Severe
16A	Delanco Fine Sandy Loam	C/D	.28	Moderately Well Drained	0-4%	Medium	>80 In	Rare	Low	Moderate
18C	Dumfries Sandy Loam	A	.24	Well Drained	7-15%	Low	>80 In	None	Low	Severe
18D	Dumfries Sandy Loam	A	.24	Well Drained	15-25%	Medium	>80 In	None	Low	Severe
19C	Eltoak Loam	B	.32	Well Drained	7-15%	Medium	>80 In	None	Low	Severe
21B	Fairfax Loam	B	.37	Well Drained	2-7%	Medium	>80 In	None	Moderate	Moderate
23C	Galla Sandy Loam	B	.24	Well Drained	7-15%	Medium	>80 In	None	Low	Severe
23D	Galla Sandy Loam	B	.24	Well Drained	15-25%	High	>80 In	None	Low	Severe
24B	Glenn-Buckhall Complex	B	.32	Well Drained	2-7%	Medium	>80 In	None	Low	Moderate
24C	Glenn-Buckhall Complex	B	.32	Well Drained	7-15%	Medium	>80 In	None	Low	Severe
29B	Hoadly Loam	C/D	.32	Moderately Well Drained	2-7%	High	>80 In	None	Low	Moderate
38B	Meadowville Loam	A	.28	Well Drained	0-5%	Very Low	>80 In	None	Low	Moderate
39B3	Minnerville Clay Loam	B	.28	Well Drained	2-7%	Medium	>80 In	None	Moderate	Moderate
39C3	Minnerville Clay Loam	B	.28	Well Drained	7-15%	Medium	>80 In	None	Moderate	Severe
41B	Neabsco Loam	D	.43	Moderately Well Drained	0-7%	Very High	14-30 In	None	Low	Moderate
42B	Neabsco-Quantico complex	D	.43	Moderately Well Drained	2-7%	Very High	14-30 In	None	Low	Moderate
44D	Occoquan Sandy Loam	A	.24	Well Drained	7-25%	Low	40-60 In	None	Low	Severe
47B	Quantico Sandy Loam	B	.32	Well Drained	2-7%	Medium	>80 In	None	Moderate	Moderate
47C	Quantico Sandy Loam	B	.32	Well Drained	7-15%	Medium	>80 In	None	Moderate	Severe
47D	Quantico Sandy Loam	B	.32	Well Drained	15-25%	High	>80 In	None	Moderate	Severe
50D	Spriggs Silt Loam	C	.43	Well Drained	15-25%	High	20-60 In	None	Low	Severe
54B	Urban Land-Udorthents complex	-	-	-	0-7%	-	-	-	-	-

SCALE 0 250' 500'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. IU
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER:TB.D SURVEYED BY, DATE: Nicholas Kouyoullis, Blinker Design Associates, P.C. (703) 368-7373, March 2021 DESIGN BY: Mark Guon, (Blinker Design Assoc., P.C.) SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Erosion and Sediment Control VESCH Narrative and Checklist

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294			

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

PROJECT DESCRIPTION

THE PROJECT IS FOR THE DESIGN AND CONSTRUCTION OF A GRADE SEPARATED INTERSECTION (GSI) AT THE INTERSECTION OF PRINCE WILLIAM PARKWAY (ROUTE 294) AND MINNIEVILLE ROAD (ROUTE 640). THE PROJECT ALSO INCLUDES WIDENING OF PRINCE WILLIAM PARKWAY TO PROVIDE ADEQUATE DESIGN OF THE "LOCAL" LANES, INSTALLATION OF SHARED USE PATH AND SIDEWALK AND IMPROVEMENTS TO MINNIEVILLE ROAD AND ELM FARM ROAD ARE ALSO PART OF THIS PROJECT. THE PROJECT SPANS FROM APPROXIMATELY 0.35 MILES WEST, 0.3 MILES EAST, 0.5 MILES NORTH AND 0.4 MILES SOUTH OF THE PRINCE WILLIAM PARKWAY AND MINNIEVILLE ROAD INTERSECTION. APPROXIMATELY 0.3 MILES OF WORK IS EXPECTED ON ELM FARM ROAD. ROUTE 294 IS CLASSIFIED AS A ROLLING AND DIVIDED URBAN PRINCIPAL ARTERIAL ROADWAY GS-5 WITH A 45 MILE PER HOUR DESIGN SPEED. ROUTE 640 IS CLASSIFIED AS A ROLLING AND DIVIDED MINOR ARTERIAL GS-6 WITH A 45 MILE PER HOUR DESIGN SPEED. ROUTE 892 IS CLASSIFIED AS A ROLLING MAJOR COLLECTOR GS-7 WITH A 45 MILE PER HOUR DESIGN SPEED. THE PROPOSED LAND DISTURBANCE FOR THE PROJECT IS 24.96 ACRES.

EXISTING SITE CONDITIONS

TOPOGRAPHY FOR THE MAJORITY OF THE PROJECT AREA IS MILD TO MODERATE WITH THE MAJORITY OF THE ADJACENT PROPERTIES BEING DEVELOPED. THERE IS HEAVY TREE COVER FROM PRINCE WILLIAM PARKWAY STA. 169+50 TO STA. 197+00 LEFT. THERE ARE NO WETLAND CURRENTLY IDENTIFIED WITHIN THE PROJECT LIMITS. A FLOODPLAIN HAS BEEN IDENTIFIED FROM ELM FARM ROAD STA. 400+00 TO 403+00 RIGHT. THERE ARE NO ANTICIPATED DESIGN IMPROVEMENTS THAT WOULD IMPACT THE FLOODPLAIN.

THE PROJECT IS WITHIN THE LIMITS OF TWO WATERSHEDS: VAHU6 - PL49, HUC12 *020700100804, NEABSCO CREEK AND VAHU6 - PL47, HUC12 *020700100802, OCCOQUAN RIVER/OCCOQUAN RESERVOIR.

ADJACENT AREAS:

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

OFFSITE AREAS:

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

SOILS:

THE SOILS ON THE SITE ARE PRIMARILY SANDY AND CLAY LOAMS, B AND D SOILS. SEE SHEET IU FOR COMPLETE SOILS INFORMATION PROVIDED FROM USDA SOIL SURVEY.

CRITICAL AREAS:

THERE ARE A HANDFUL OF CRITICAL EROSION AREAS WITHIN THE PROJECT, SPECIFICALLY AROUND THE LARGE INFLOW AND OUTFALL CHANNELS ASSOCIATED WITH THE LARGE 60" CULVERTS CROSSING PRINCE WILLIAM PARKWAY. THE CONTRACTOR IS TO BE EXTRA DILIGENT WITH EROSION AND SEDIMENT CONTROL MEASURES AROUND THE FLOODPLAIN WHICH CROSSES ELM FARM ROAD, STOCKPILES, HAZMAT SOILS, AND THE EXISTING STORMWATER MANAGEMENT FACILITIES LOCATED ADJACENT TO THE PROJECT, PROPOSED FACILITIES, AND ADJACENT PROPERTIES. THE CONTRACTOR IS TO INSPECT AFTER EVERY RAIN AND RESTORE TO PROPOSED CONDITIONS.

EROSION AND SEDIMENT CONTROL MEASURES:

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

MAINTENANCE PROGRAM:

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

TEMPORARY AND PERMANENT STABILIZATION:

TEMPORARY AND PERMANENT STABILIZATION SHALL BE APPLIED TO ALL DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADING IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS LEFT DORMANT FOR MORE THAN ONE YEAR. DISTURBED AREAS WITHIN 100 FEET OF DELINEATED WETLANDS SHALL BE CONTINUOUSLY PROSECUTED UNTIL COMPLETED AND STABILIZED IMMEDIATELY UPON COMPLETION OF THE WORK IN EACH IMPACTED AREA.

STORMWATER RUNOFF CONSIDERATIONS:

THE PROJECT PROPOSES NO NEW STORMWATER MANAGEMENT FACILITIES. THE PROJECT INTENDS TO UTILIZE THE PROPOSED POND ASSOCIATED WITH THE QUARTZ DEVELOPMENT FOR WATER QUANTITY AND QUALITY PURPOSES. PROPOSED RUNOFF TO THIS FACILITY WILL MEET THE MS-19 AND VDOT REGULATIONS.

CALCULATIONS

ALL OUTFALL AND RUNOFF CALCULATIONS HAVE BEEN PROVIDED IN THE DRAINAGE REPORT. NO STORMWATER MANAGEMENT FACILITY IS PROPOSED WITH THIS PLAN.

PHASE I LAND DISTURBING/ CONSTRUCTION SEQUENCE:

- HOLD PRECONSTRUCTION MEETING
- MARK ANY WOUS OR WETLAND, NOT TO BE IMPACTED WITH THE PROJECT, WITH ORANGE SAFETY FENCE.
- FLAG LIMITS OF CLEARING
- INSTALL ALL TEMPORARY CONTROLS INCLUDING SILT FENCE, DIVERSION AND INLET PROTECTION, PROVIDE TEMPORARY DRAINAGE INSTALLATION
- WHETHER TEMPORARY PIPES OR PERMANENT PIPE INSTALLATION WITH DIVERSIONS.
- OBTAIN SITE INSPECTOR'S APPROVAL OF PERIMETER EROSION AND SEDIMENT CONTROLS.
- AFTER INSPECTOR'S APPROVAL OF INITIAL CONTROLS, INSTALL SEDIMENT BASINS, SEDIMENT TRAPS AND ASSOCIATED OUTFALLS.
- CLEAR AND GRUB REMAINDER OF THE SITE AS NECESSARY.
- STABILIZE ALL DENUDED AREAS ACCORDING TO TEMPORARY AND PERMANENT STABILIZATION REQUIREMENTS SPECIFIED IN THE ROADSIDE DEVELOPMENT PLAN.

PHASE II LAND DISTURBING SEQUENCE:

- CONSTRUCT PROPOSED STORM SEWER SYSTEM AND PROPOSED CULVERTS AND CULVERT EXTENSIONS. INSTALL INLET PROTECTIONS AT ALL APPLICABLE LOCATIONS, CONSTRUCT DITCH AND LINING AT ALL APPLICABLE LOCATIONS.
- ROUGH GRADE THE REMAINDER OF THE SITE.
- INSTALL ALL CURB AND GUTTER AND PLACE BASE STONE PAVEMENT.
- FINE GRADE SITE AND INSTALL ALL PERMANENT SEEDING AND FERTILIZE ALL GRASSED AREAS.
- CONTRACTOR SHALL STABILIZE ALL UPSTREAM AREAS AND OBTAIN INSPECTOR APPROVAL. ONCE APPROVAL HAS BEEN OBTAINED, REMOVE ALL EROSION CONTROL MEASURES.
- CLEAN SITE OF ALL TRASH AND DEBRIS.

STORAGE YARD/LAY DOWN YARD

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

CHECKLIST		1992
FOR EROSION AND SEDIMENT CONTROL PLANS		
✓	Minimum Standards - All applicable Minimum Standards must be addressed.	
NARRATIVE		
✓	Project description - Briefly describes the nature and purpose of the land-disturbing activity, and the area (acres) to be disturbed.	
✓	Existing site conditions - A description of the existing topography, vegetation and drainage.	
✓	Adjacent areas - A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.	
✓	Off-site areas - Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.). Will any other areas be disturbed?	
✓	Soils - A brief description of the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure.	
✓	Critical areas - A description of areas on the site which have potentially serious erosion problems (e.g., steep slopes, channels, wet weather/ underground springs, etc.).	
✓	Erosion and sediment control measures - A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should meet the specifications in Chapter 3.)	
✓	Permanent stabilization - A brief description, including specifications, of how the site will be stabilized after construction is completed.	
✓	Stormwater runoff considerations - Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff.	
✓	Calculations - Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre- and post-development runoff.	
VI - 13		

CHECKLIST (continued)		1992
SITE PLAN		
✓	Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.	
✓	Indicate north - The direction of north in relation to the site.	
✓	Limits of clearing and grading - Areas which are to be cleared and graded.	
✓	Existing contours - The existing contours of the site.	
✓	Final contours - Changes to the existing contours, including final drainage patterns.	
✓	Existing vegetation - The existing tree lines, grassed areas, or unique vegetation.	
✓	Soils - The boundaries of different soil types.	
✓	Existing drainage patterns - The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.	
✓	Critical erosion areas - Areas with potentially serious erosion problems. (See Chapter 6 for criteria.)	
✓	Site Development - Show all improvements such as buildings, parking lots, access roads, utility construction, etc.	
✓	Location of practices - The locations of erosion and sediment controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of this handbook.	
N/A	Off-site areas - Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.). Show location of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?)	
N/A	Detail drawings - Any structural practices used that are not referenced to the E&S handbook or local handbooks should be explained and illustrated with detail drawings.	
✓	Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.	
VI - 14		

EROSION AND SEDIMENT CONTROL STRUCTURES

- SAFETY FENCE (3.01):**
A protective barrier installed to prevent access to an erosion control measure.
- TEMPORARY STONE CONSTRUCTION ENTRANCE (3.02):**
A stabilized stone pad with a filter fabric underliner located at points of vehicular ingress and egress on a construction site. (Per VDOT Standard EC-11)
- CONSTRUCTION ROAD STABILIZATION (3.03):**
The temporary stabilization of access roads, subdivision roads, parking areas, and other on-site vehicle transportation routes with stone immediately after grading. (Per VDOT Standard EC-11)
- TEMPORARY SILT FENCE (3.05):**
A temporary sediment barrier consisting of a synthetic filter fabric stretched across and attached to supporting posts and entrenched. (Per VDOT Standard EC-5)
- STORM DRAIN INLET PROTECTION (3.07):**
A sediment filter or an excavated impounding area around a storm drain drop inlet or curb inlet. (Per VDOT Standard EC-6 Type A and B)
- CULVERT INLET PROTECTION (3.08):**
A sediment filter located at the inlet to storm sewer culverts. (Per VDOT Standard EC-6 Type C)
- TEMPORARY DIVERSION DIKE (3.09):**
A temporary ridge of compacted soil constructed at the top or base of a sloping disturbed area. (Per VDOT Standard EC-9)
- DIVERSION (3.12):**
A channel constructed across a slope with a supporting earthen ridge on the lower side. (Per VDOT Standard EC-12)
- TEMPORARY SEDIMENT TRAP (3.13):**
A temporary ponding area formed by constructing an earthen embankment with a stone outlet. (Per VDOT Standard EC-7)

EROSION AND SEDIMENT CONTROL STRUCTURES CONT.

- TEMPORARY SEDIMENT BASIN (3.14):**
A temporary barrier or dam with a controlled stormwater release structure formed by constructing an embankment of compacted soil across a driveway.
- STORMWATER CONVEYANCE CHANNEL (3.17):**
A permanent, designed waterway, shaped, sized, and lined with appropriate vegetation or structural material used to safely convey stormwater runoff within or away from a developing area.
- OUTLET PROTECTION (3.18):**
Structurally lined aprons or other acceptable energy dissipating devices placed at the outlets of pipes or paved channel sections. (Per VDOT Standard EC-1)
- ROCK CHECK DAMS (3.20):**
Small temporary stone dams constructed across a swale or drainage ditch. (Per VDOT Standard EC-4)
- TEMPORARY VEHICULAR STREAM CROSSING (3.24):**
A temporary structural span installed across a flowing watercourse for use by construction traffic. (Per VDOT Standard EC-14)
- TEMPORARY SEEDING (3.31):**
The establishment of a temporary vegetative cover on disturbed areas by seeding with appropriate rapidly growing annual plants. Temporary seeding shall be done in accordance with Virginia Erosion and Sediment Control Handbook standard and specification 3.31.
- PERMANENT SEEDING (3.32):**
All areas disturbed by construction shall be stabilized with permanent seeding immediately following finished grading. Seeding shall be done according to Virginia Erosion and Sediment Control Handbook standard and specification 3.32. PERMANENT SEEDING.

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. IU(2)
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PH PLANS

PROJECT MANAGER: TBD
 SURVEYED BY, DATE: Nicholas Kouyoullis, Biotker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Biotker Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	N(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 Assoc., P.C.
 Fredericksburg, Virginia
 (DRAINAGE)

- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
 - ① Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
 - ③ Denotes Prop. Perm. Drain. Ease.

ATLANTIC FUNDING, LTD
 GPIN 8192-95-1352
 INSTR *201406300045459

SOUTHERN KNOLLS, LLC
 GPIN 8192-95-1868
 INSTR 201505190038629
 119.2944 Acres

Match Line, Sta. 165+00 See Sheet M(3)

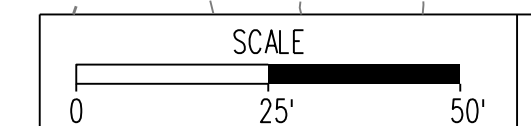
Match Line, Sta. 172+00 See Sheet M(5)

- E&S Legend**
- Denotes Drainage Divides
 - ①② Denotes Temporary Diversion Channel, S'd EC-12
 - ③④ Denotes Temporary Diversion Dike, S'd EC-4
 - (TSF)--- Denotes Temporary Silt Fence, S'd EC-5 Type A or B
 - (FIC)--- Denotes Limits of Cut/Fill
 - (LOD)--- Denotes Limits of Disturbance
 - ▲ (CD-1) Denotes Rock Check Dam 1, S'd EC-4 Type I
 - ▲ (CD-2) Denotes Rock Check Dam 2, S'd EC-4 Type II
 - (IP) Denotes Inlet Protection, Type A/B/C; S'd EC-6

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PH PLANS



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. N(4)
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PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougouli's, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(5)

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

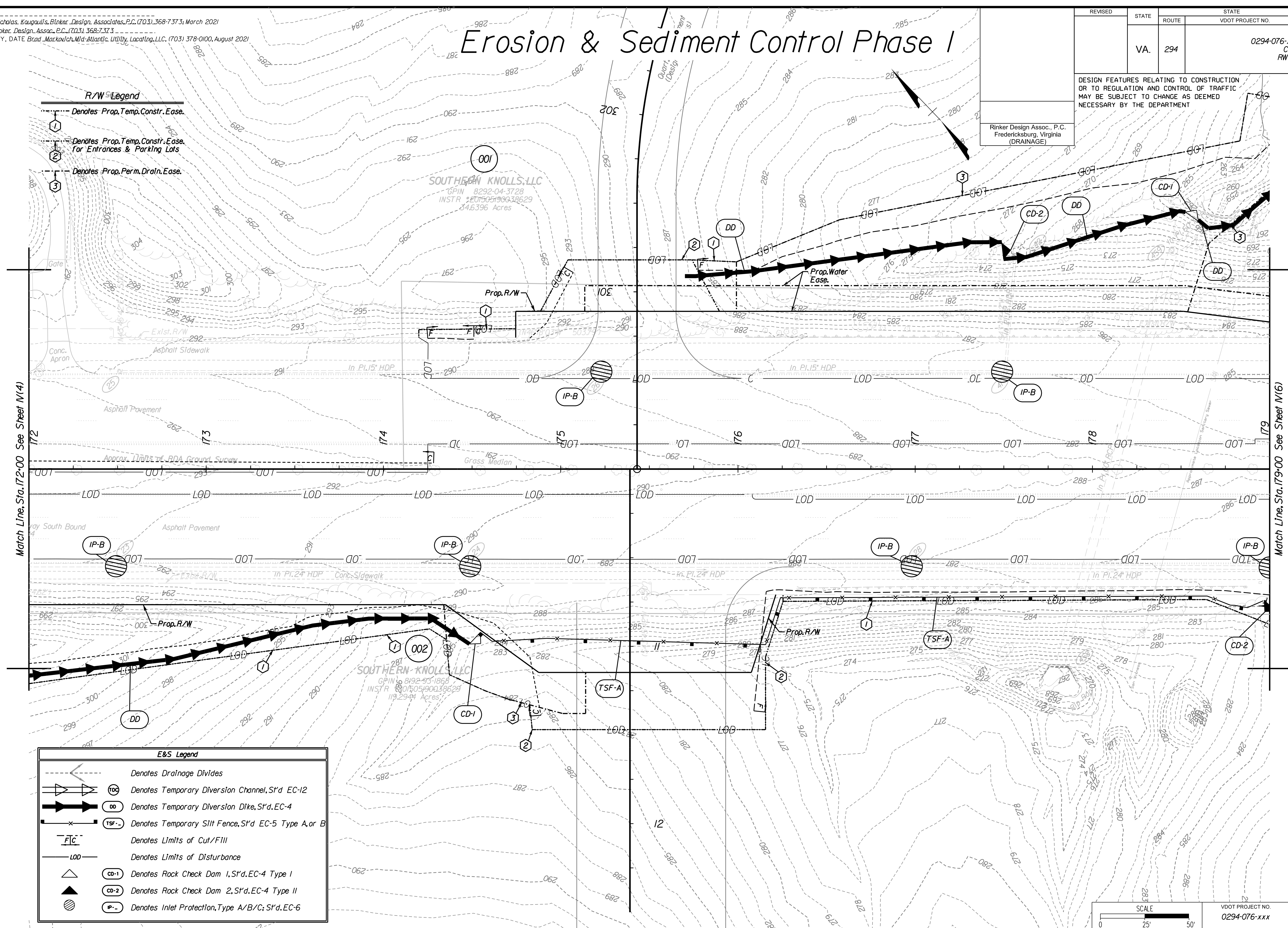
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.

Match Line, Sta. 172+00 See Sheet M(4)

Match Line, Sta. 179+00 See Sheet M(6)



E&S Legend

- Denotes Drainage Divides
- Denotes Temporary Diversion Channel, S'd EC-12
- Denotes Temporary Diversion Dike, S'd EC-4
- Denotes Temporary Silt Fence, S'd EC-5 Type A or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam 1, S'd EC-4 Type I
- Denotes Rock Check Dam 2, S'd EC-4 Type II
- Denotes Inlet Protection, Type A/B/C; S'd EC-6

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

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

PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(5)
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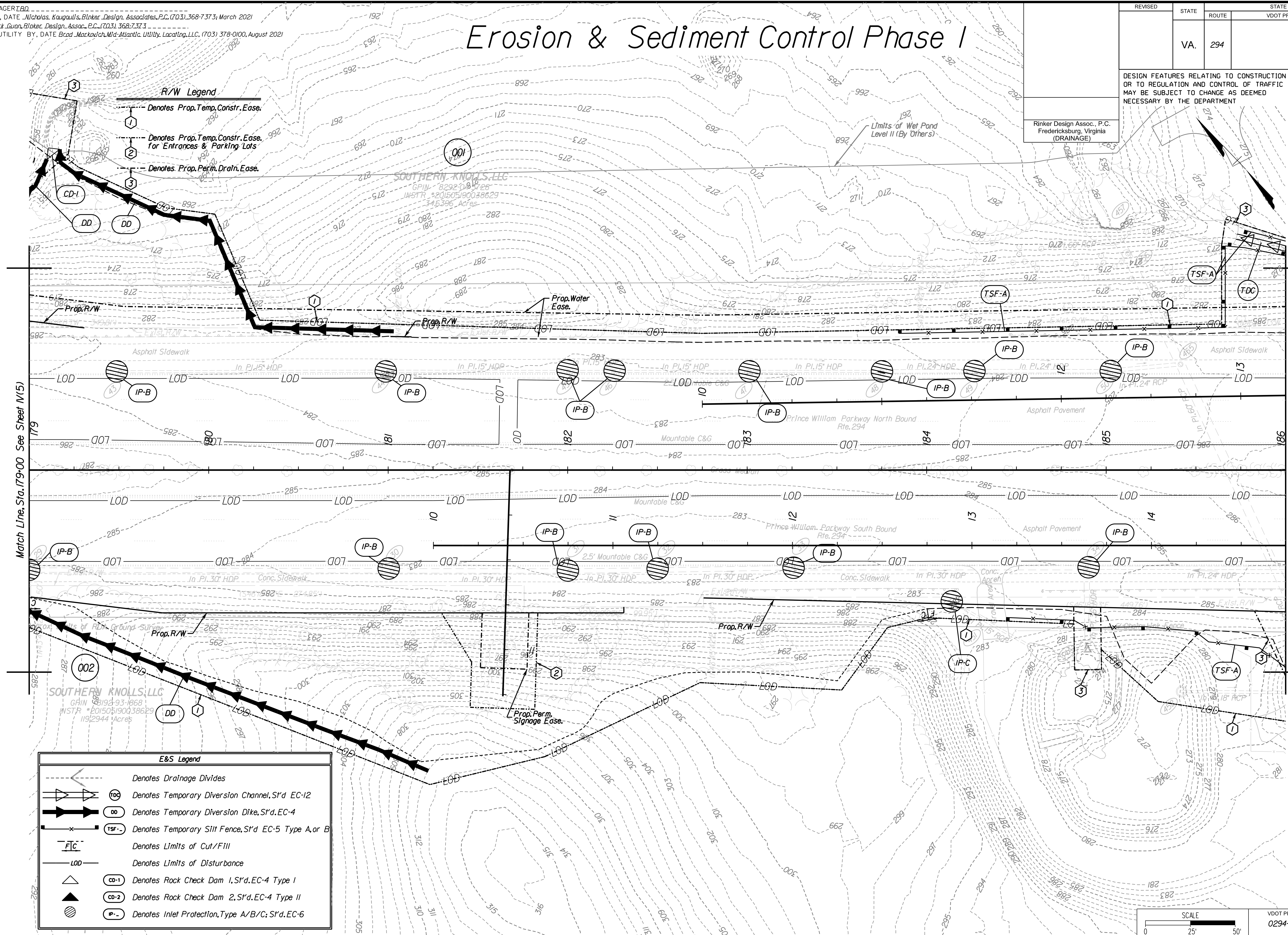
PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	N(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend

- Denotes Drainage Divides
- Denotes Temporary Diversion Channel, S'd EC-12
- Denotes Temporary Diversion Dike, S'd EC-4
- Denotes Temporary Silt Fence, S'd EC-5 Type A or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam 1, S'd EC-4 Type I
- Denotes Rock Check Dam 2, S'd EC-4 Type II
- Denotes Inlet Protection, Type A/B/C; S'd EC-6

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

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

PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. N(6)
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PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

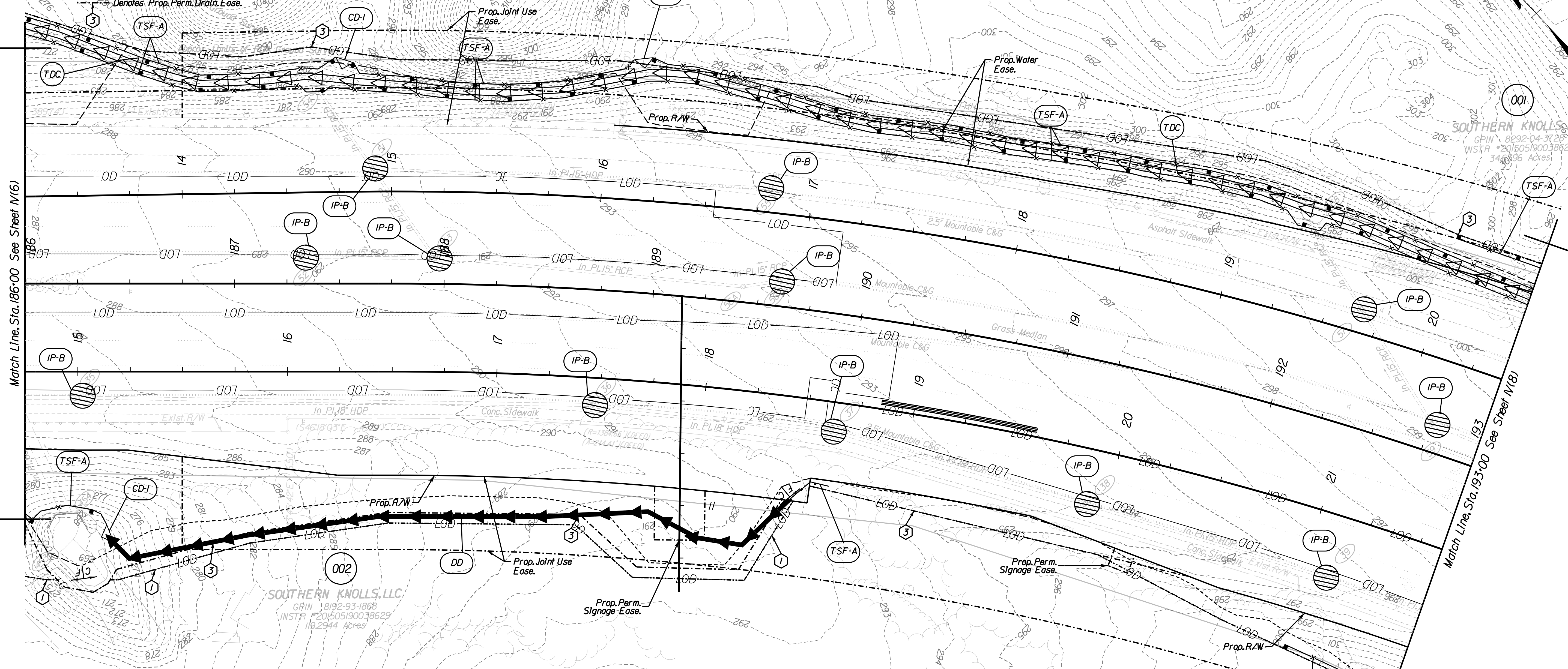
Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	N(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

- R/W Legend**
- Denotes Prop. Temp. Constr. Easement
 - Denotes Prop. Temp. Constr. Easement for Entrances & Parking Lots
 - Denotes Prop. Perm. Drain. Easement



- E&S Legend**
- Denotes Drainage Divides
 - Denotes Temporary Diversion Channel, S'd EC-12
 - Denotes Temporary Diversion Dike, S'd EC-4
 - Denotes Temporary Slit Fence, S'd EC-5 Type A or B
 - Denotes Limits of Cut/Fill
 - Denotes Limits of Disturbance
 - Denotes Rock Check Dam 1, S'd EC-4 Type I
 - Denotes Rock Check Dam 2, S'd EC-4 Type II
 - Denotes Inlet Protection, Type A/B/C; S'd EC-6

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. N(7)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

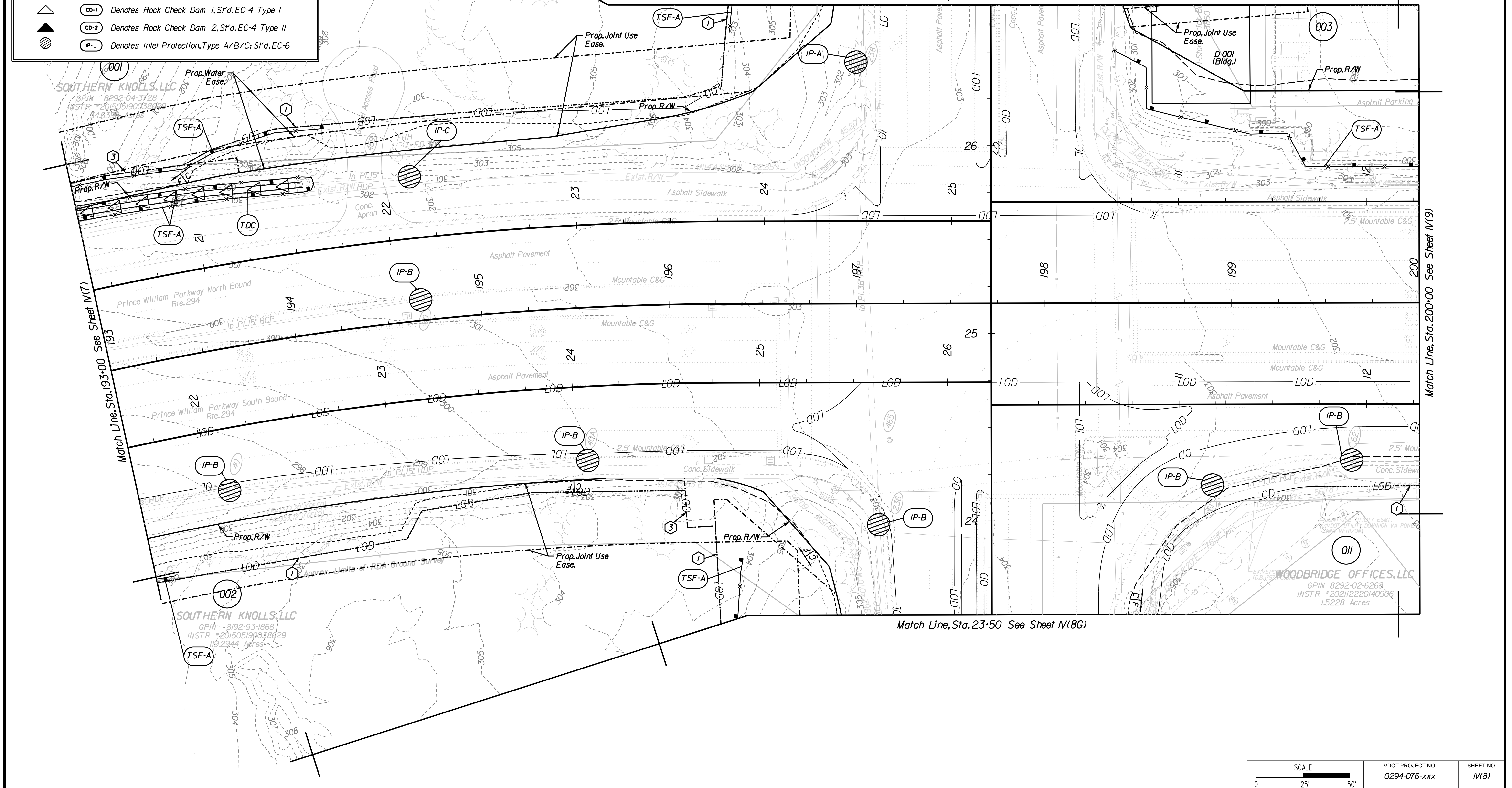
REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	N(8)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

E&S Legend

- Denotes Drainage Divides
- Denotes Temporary Diversion Channel, S'd EC-12
- Denotes Temporary Diversion Dike, S'd EC-4
- Denotes Temporary Silt Fence, S'd EC-5 Type A, or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam 1, S'd EC-4 Type I
- Denotes Rock Check Dam 2, S'd EC-4 Type II
- Denotes Inlet Protection, Type A/B/C; S'd EC-6



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

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

PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. N(8)
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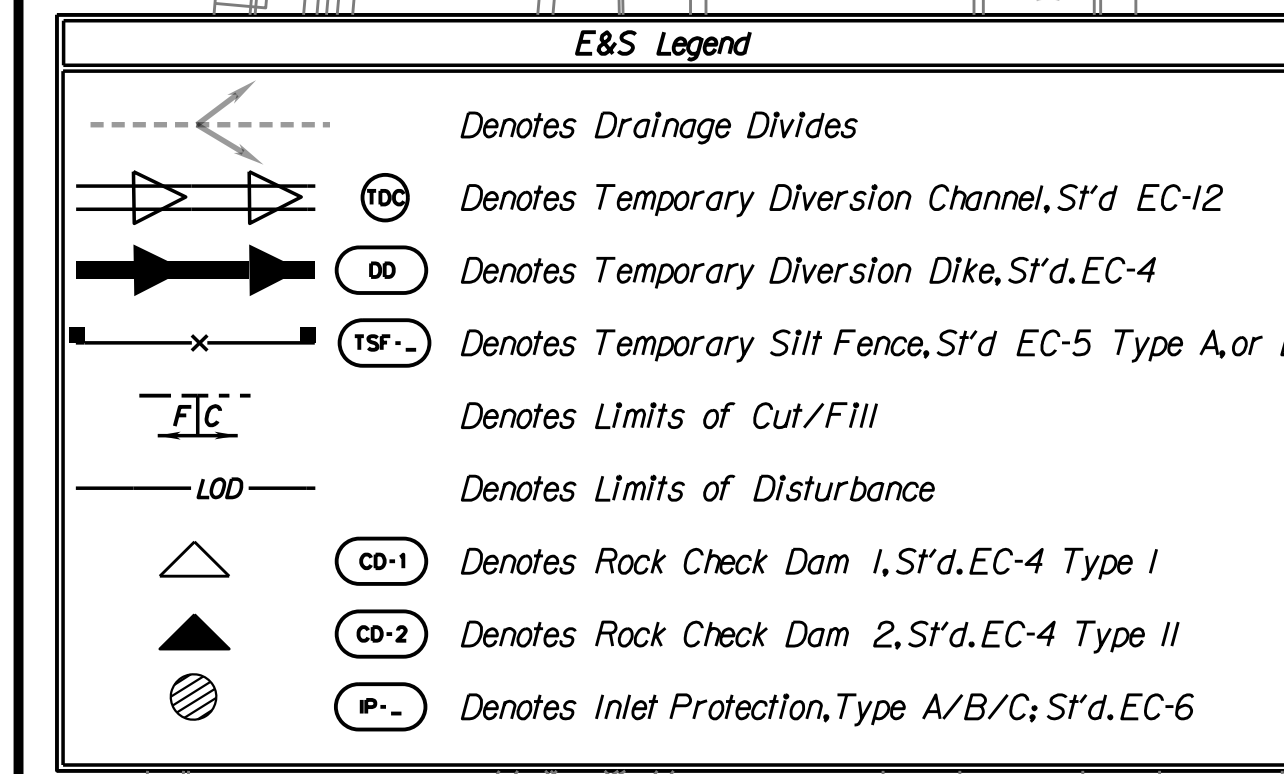
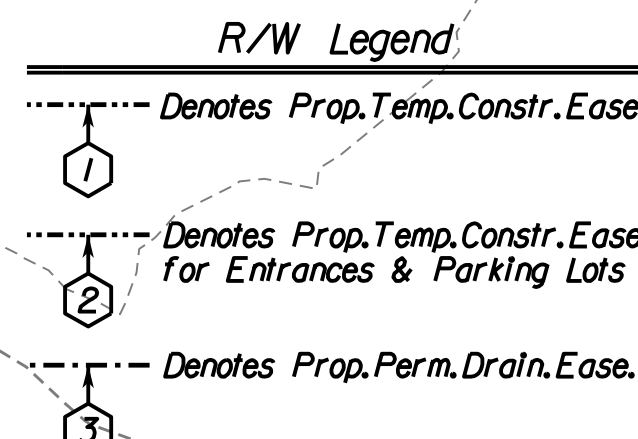
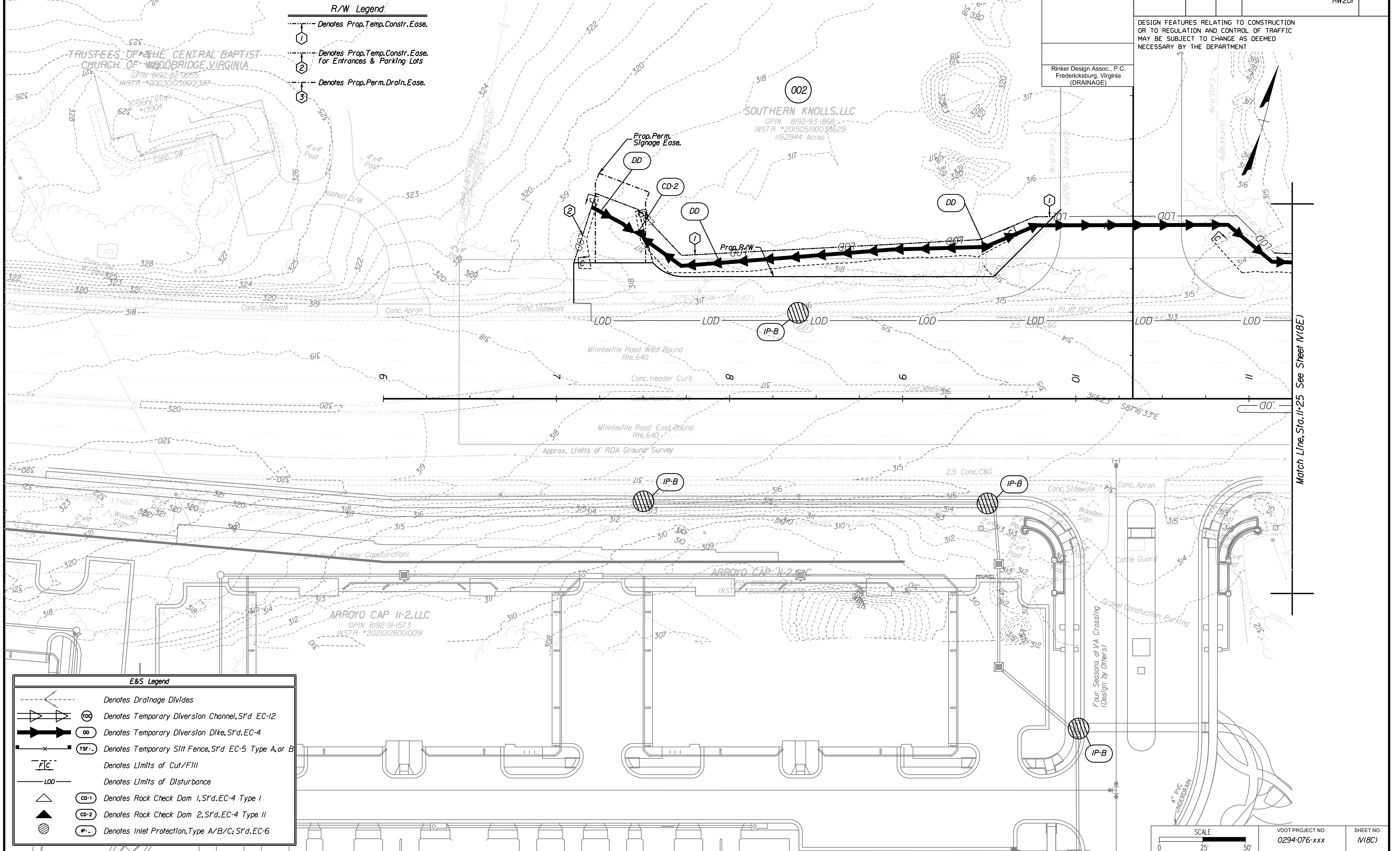
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kouyoullis, Biotek Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Biotek Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE		VDOT PROJECT NO.	SHEET NO.
	STATE	ROUTE		
	VA.	294	0294-076-xxx C501 RW201	M(8C)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



Match Line, Sta. 11+25 See Sheet M(8E)

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(8C)
--------------------	----------------------------------	--------------------

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

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

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kraugall's, Binker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Binker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

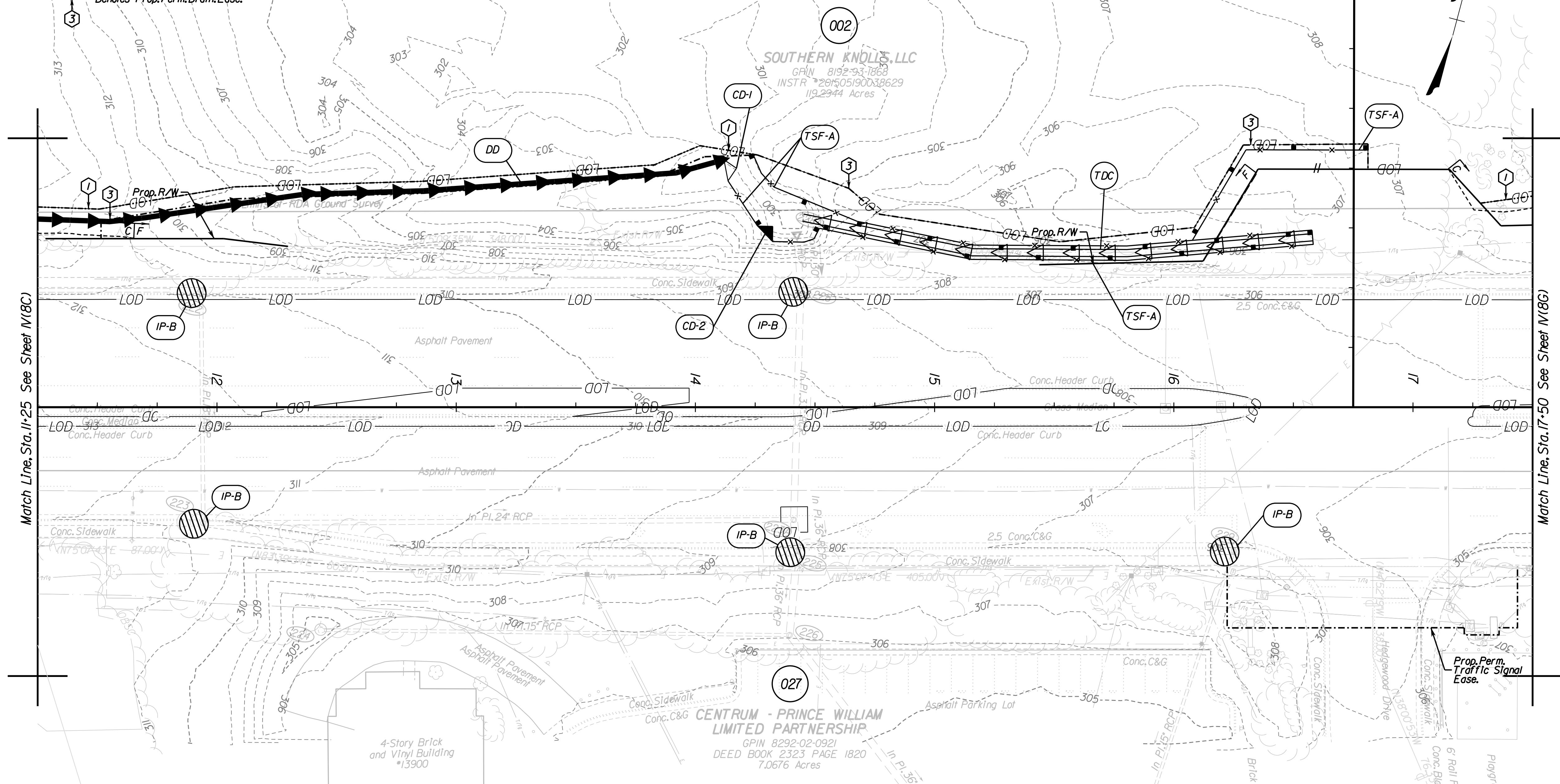
Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(8E)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
 - Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
 - Denotes Prop. Perm. Drain. Ease.



- E&S Legend**
- Denotes Drainage Divides
 - Denotes Temporary Diversion Channel, S't'd. EC-12
 - Denotes Temporary Diversion Dike, S't'd. EC-4
 - Denotes Temporary Silt Fence, S't'd. EC-5 Type A, or B
 - Denotes Limits of Cut/Fill
 - Denotes Limits of Disturbance
 - Denotes Rock Check Dam 1, S't'd. EC-4 Type I
 - Denotes Rock Check Dam 2, S't'd. EC-4 Type II
 - Denotes Inlet Protection, Type A/B/C; S't'd. EC-6

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(8E)
--------------------	----------------------------------	--------------------

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

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

PH PLANS

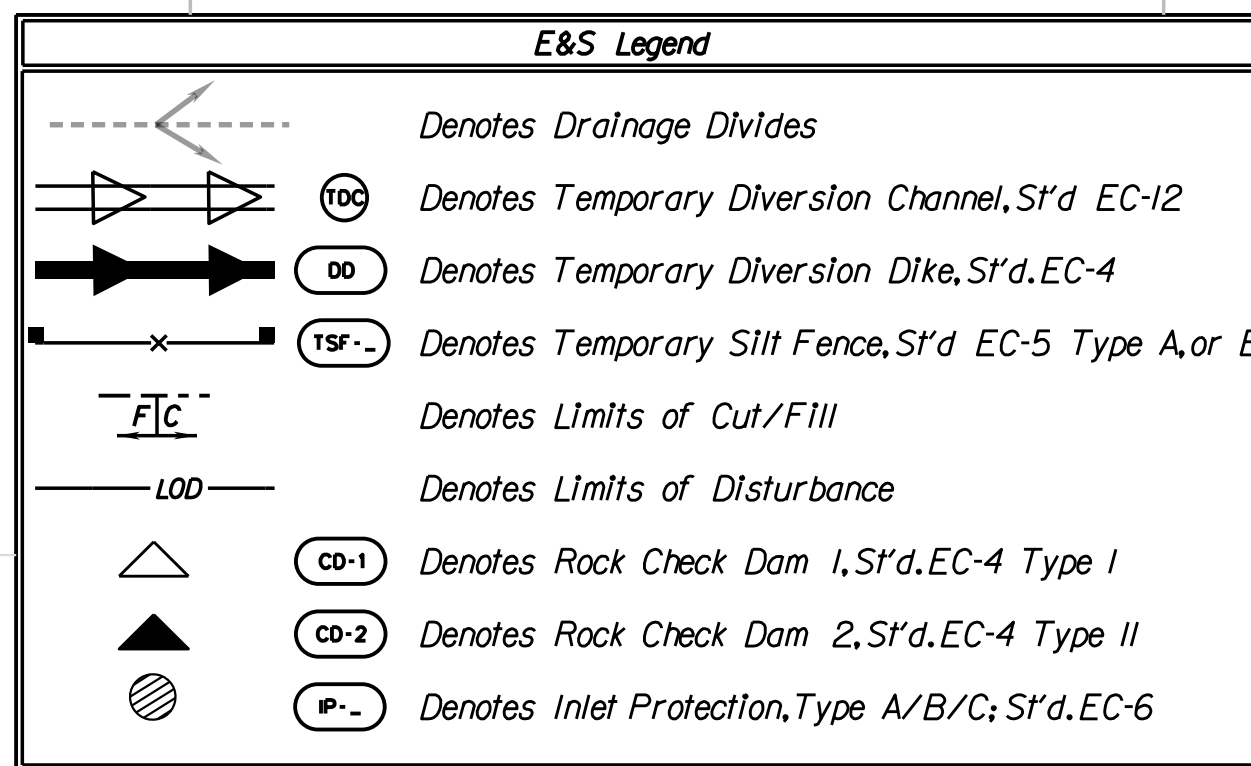
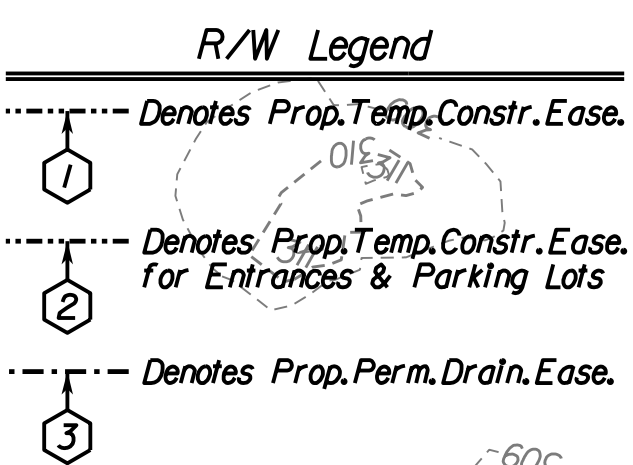
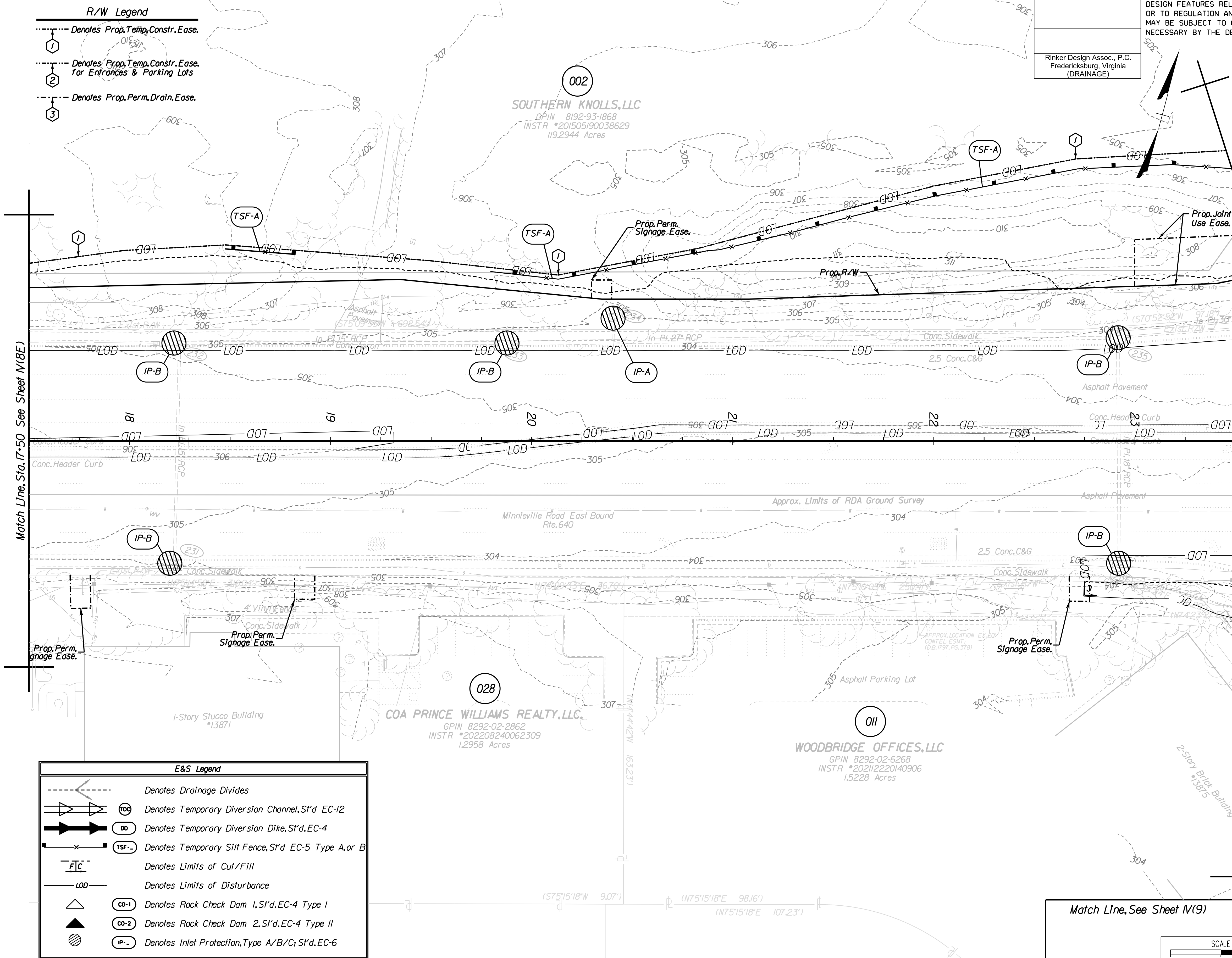
PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M18G

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



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

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

PH PLANS

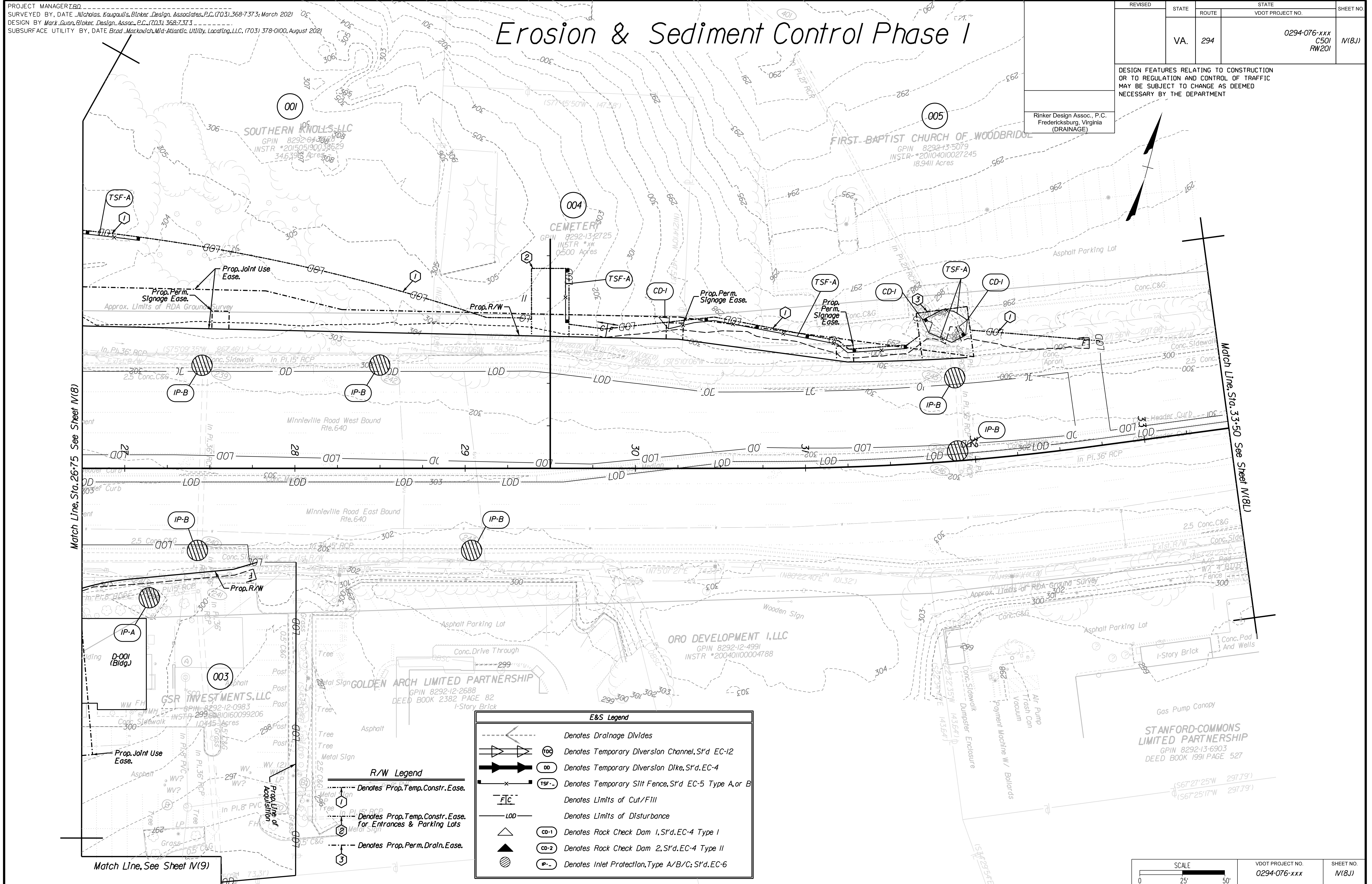
PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(8J)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend

- Denotes Drainage Divides
- Denotes Temporary Diversion Channel, S'd EC-12
- Denotes Temporary Diversion Dike, S'd EC-4
- Denotes Temporary Silt Fence, S'd EC-5 Type A or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam 1, S'd EC-4 Type I
- Denotes Rock Check Dam 2, S'd EC-4 Type II
- Denotes Inlet Protection, Type A/B/C; S'd EC-6

R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.

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

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

PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(8J)
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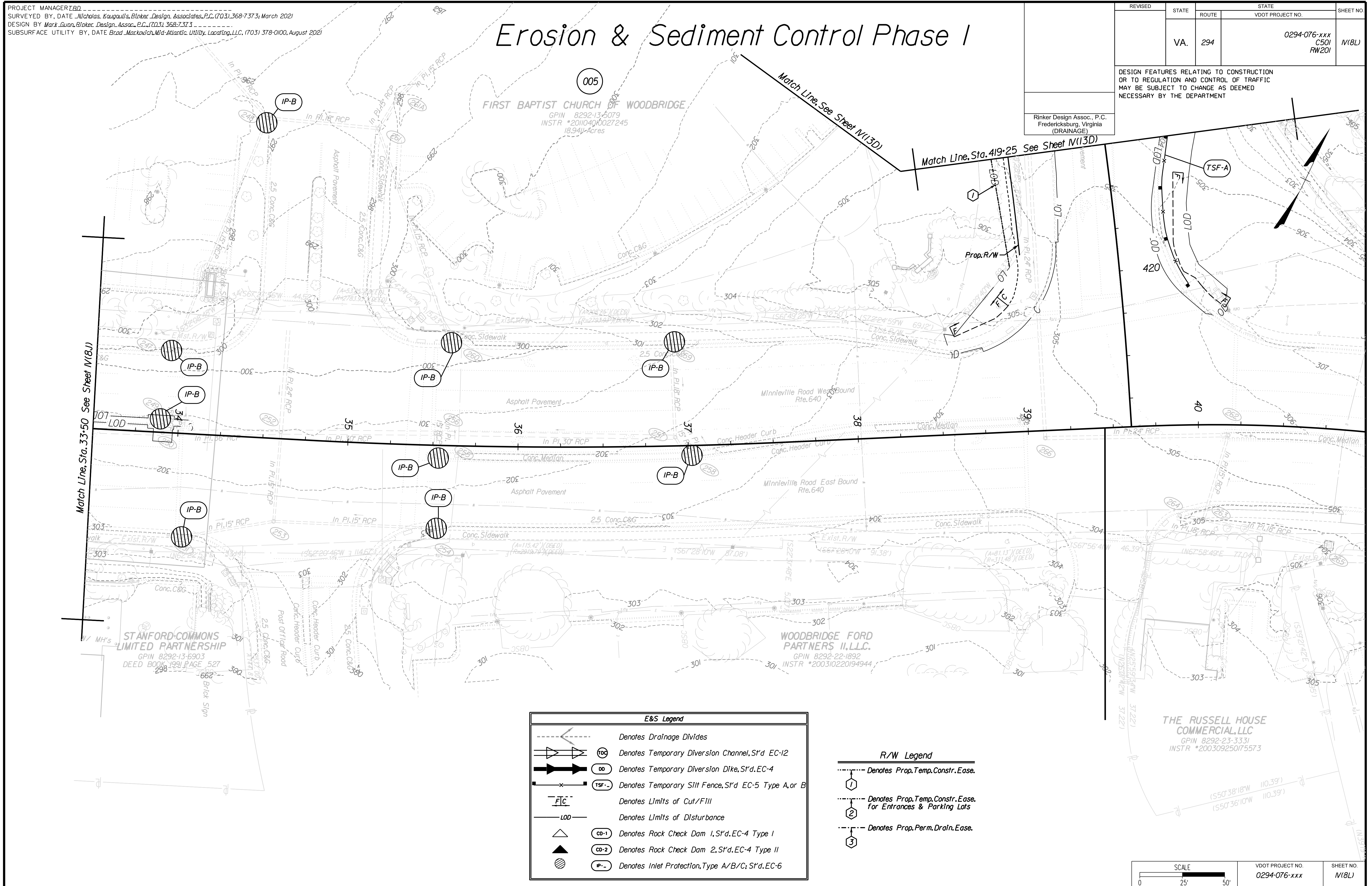
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(8L)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend	
	Denotes Drainage Divides
	Denotes Temporary Diversion Channel, S'd EC-12
	Denotes Temporary Diversion Dike, S'd EC-4
	Denotes Temporary Silt Fence, S'd EC-5 Type A, or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S'd EC-4 Type I
	Denotes Rock Check Dam 2, S'd EC-4 Type II
	Denotes Inlet Protection, Type A/B/C; S'd EC-6

R/W Legend	
	Denotes Prop. Temp. Constr. Ease.
	Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
	Denotes Prop. Perm. Drain. Ease.

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(8L)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

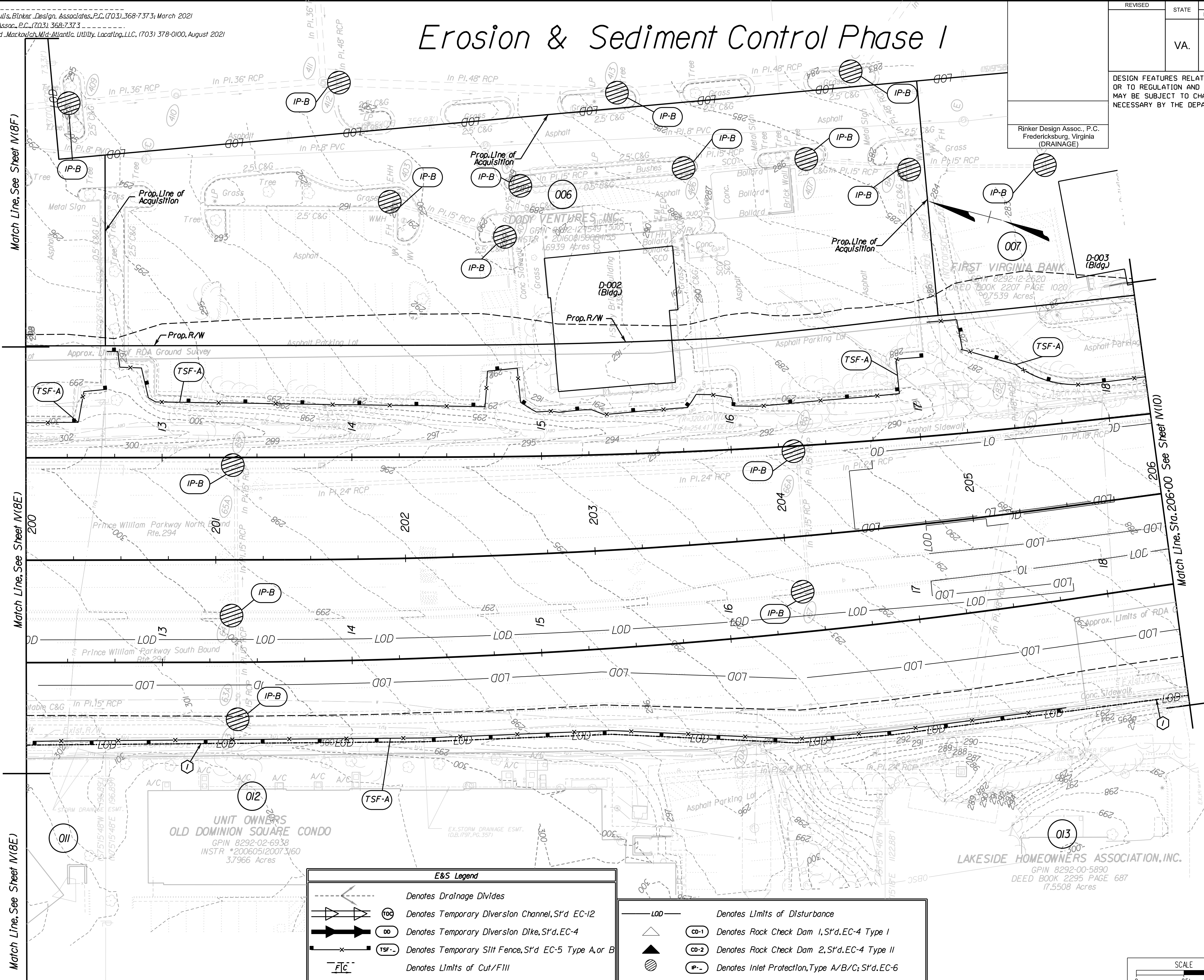
PROJECT MANAGER: B.D.
 SURVEYED BY: DATE: Nicholas Kouyoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Rinker Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY: DATE: Brad Macknolich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	N(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 Assoc., P.C.
 Fredericksburg, Virginia
 (DRAINAGE)



	Denotes Drainage Divides
	Denotes Temporary Diversion Channel, S'd EC-12
	Denotes Temporary Diversion Dike, S'd EC-4
	Denotes Temporary Silt Fence, S'd EC-5 Type A or B
	Denotes Limits of Cut/Fill

	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S'd EC-4 Type I
	Denotes Rock Check Dam 2, S'd EC-4 Type II
	Denotes Inlet Protection, Type A/B/C; S'd EC-6

	Denotes Prop. Temp. Constr. Ease.
	Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
	Denotes Prop. Perm. Drain. Ease.

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. N(9)
--------------------	----------------------------------	-------------------

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

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

PH PLANS

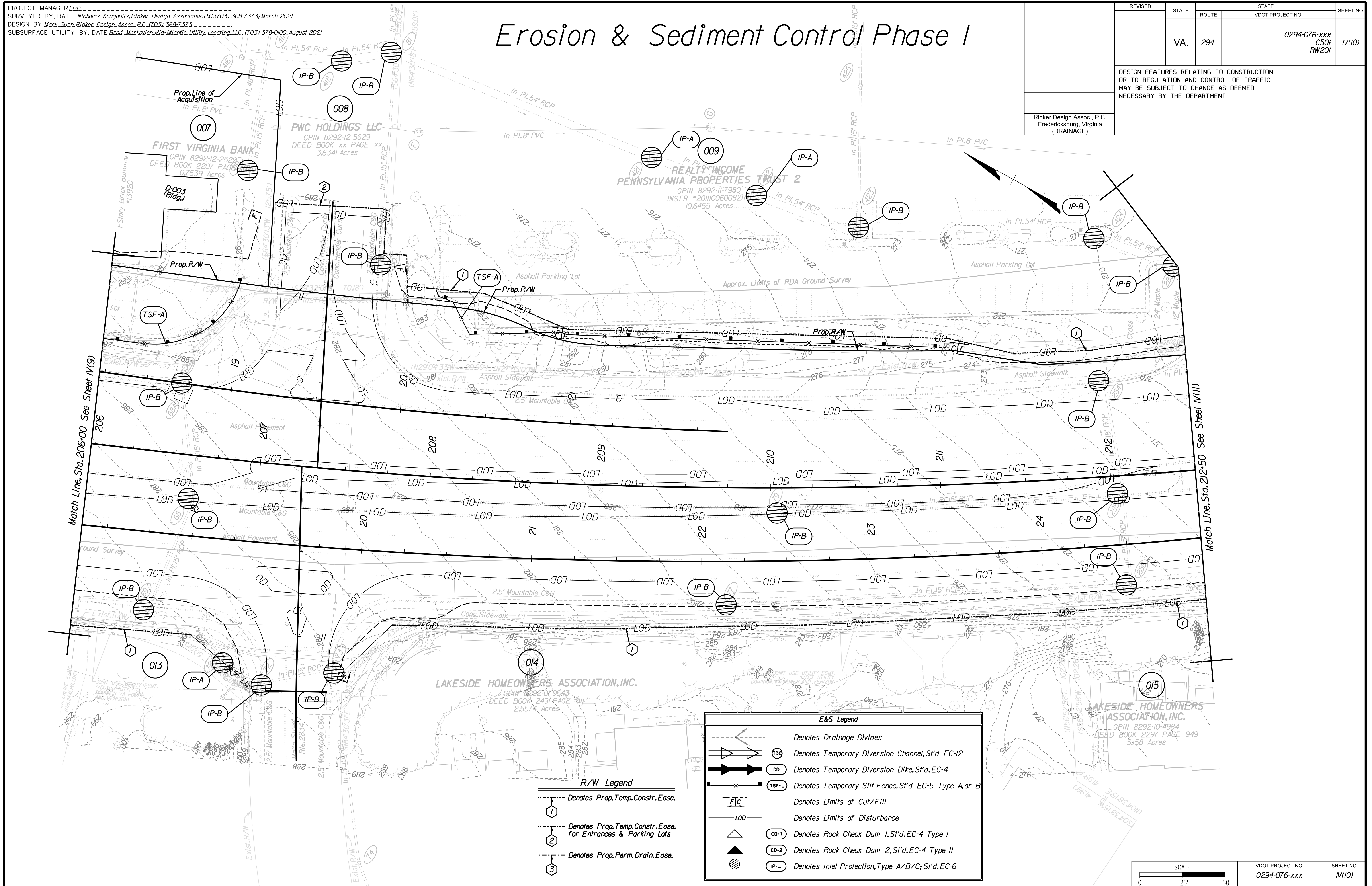
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Erosion & Sediment Control Phase 1

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(10)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend

- Denotes Drainage Divides
- (TDC)--- Denotes Temporary Diversion Channel, S't'd. EC-12
- (TDD)--- Denotes Temporary Diversion Dike, S't'd. EC-4
- (TSF)--- Denotes Temporary Silt Fence, S't'd. EC-5 Type A or B
- (L)--- Denotes Limits of Cut/Fill
- (LOD)--- Denotes Limits of Disturbance
- (CD-1)--- Denotes Rock Check Dam 1, S't'd. EC-4 Type I
- (CD-2)--- Denotes Rock Check Dam 2, S't'd. EC-4 Type II
- (IP)--- Denotes Inlet Protection, Type A/B/C; S't'd. EC-6

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.

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(10)
--------------------	----------------------------------	--------------------

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

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

PH PLANS

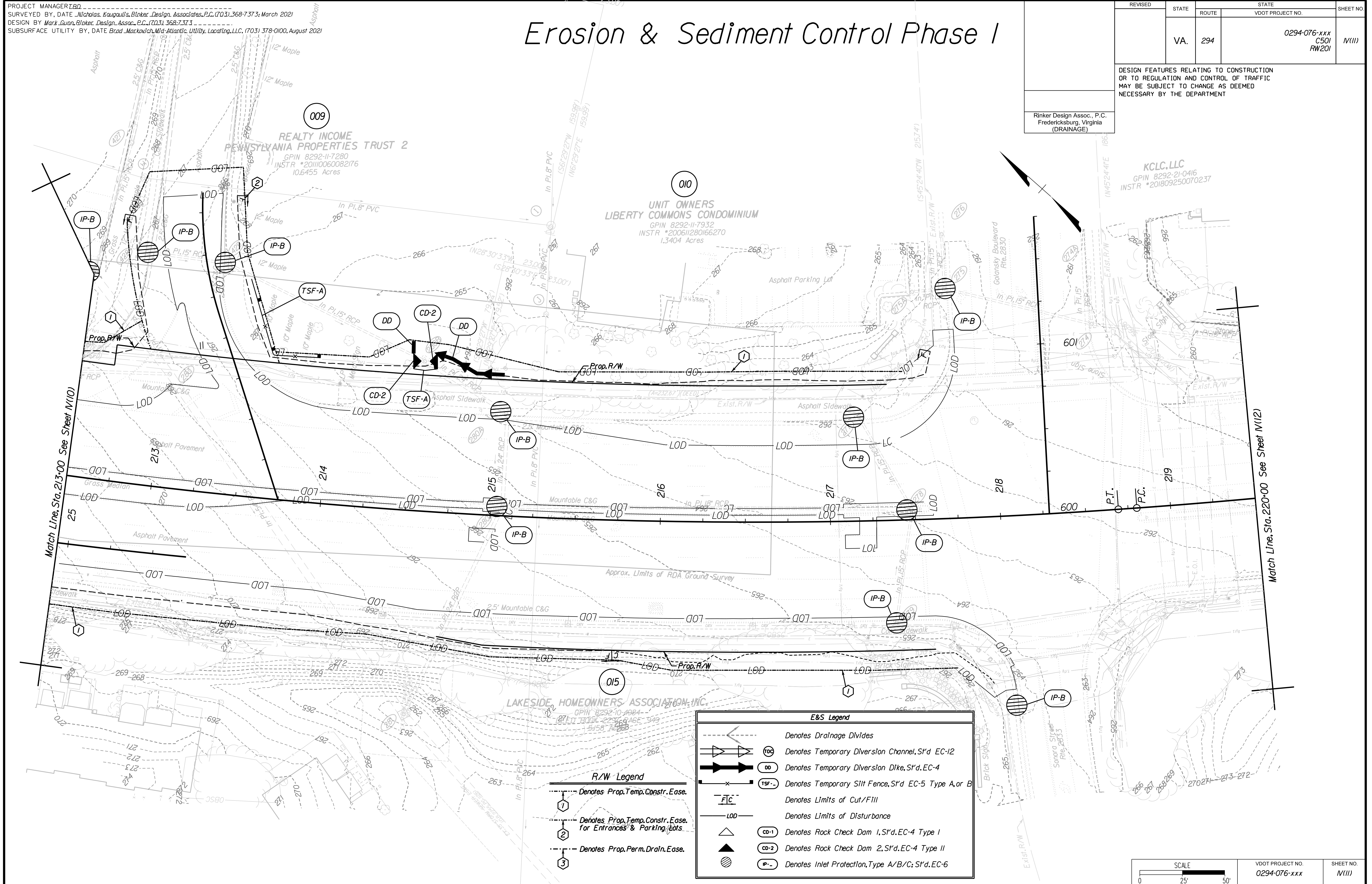
PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Erosion & Sediment Control Phase I

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	N(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend

- Denotes Drainage Divides
- Denotes Temporary Diversion Channel, S'd EC-12
- Denotes Temporary Diversion Dike, S'd EC-4
- Denotes Temporary Silt Fence, S'd EC-5 Type A or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam 1, S'd EC-4 Type I
- Denotes Rock Check Dam 2, S'd EC-4 Type II
- Denotes Inlet Protection, Type A/B/C; S'd EC-6

R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots.
- Denotes Prop. Perm. Drain. Ease.

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. N(11)
--------------------	----------------------------------	--------------------

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

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

PH PLANS

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Biotek Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Biotek Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

- R/W Legend**
- Denotes Prop. Temp. Constr. Easement
 - ① Denotes Prop. Temp. Constr. Easement for Entrances & Parking Lots
 - ② Denotes Prop. Perm. Drain. Easement

ATLANTIC FUNDING, LTD
GPIN 8192-95-1352
INSTR *201406300045459

SOUTHERN KNOLLS, LLC
GPIN 81293-04-3728
INSTR *201505190038629
346.395 Acres

Match Line, Sta. 165+00 See Sheet M(3)

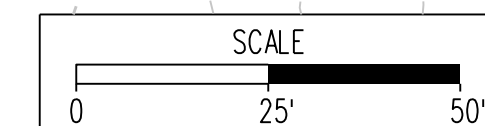
Match Line, Sta. 172+00 See Sheet M(5)

- E&S Legend**
- Denotes Drainage Divides
 - EC-3 Denotes Rolled Erosion Control Product, Permanent, S'd, EC-3 Type 1, 2 or 3
 - DD Denotes Temporary Diversion Dike, S'd, EC-4
 - TSF Denotes Temporary Silt Fence, S'd, EC-5 Type A or B
 - FIC Denotes Limits of Cut/Fill
 - LOD Denotes Limits of Disturbance
 - CD-1 Denotes Rock Check Dam, S'd, EC-4 Type 1
 - IP Denotes Inlet Protection, Type A/B/C; S'd, EC-6

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

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

PH PLANS



VDOT PROJECT NO.
0294-076-xxx

SHEET NO.
M(4)

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kouyoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

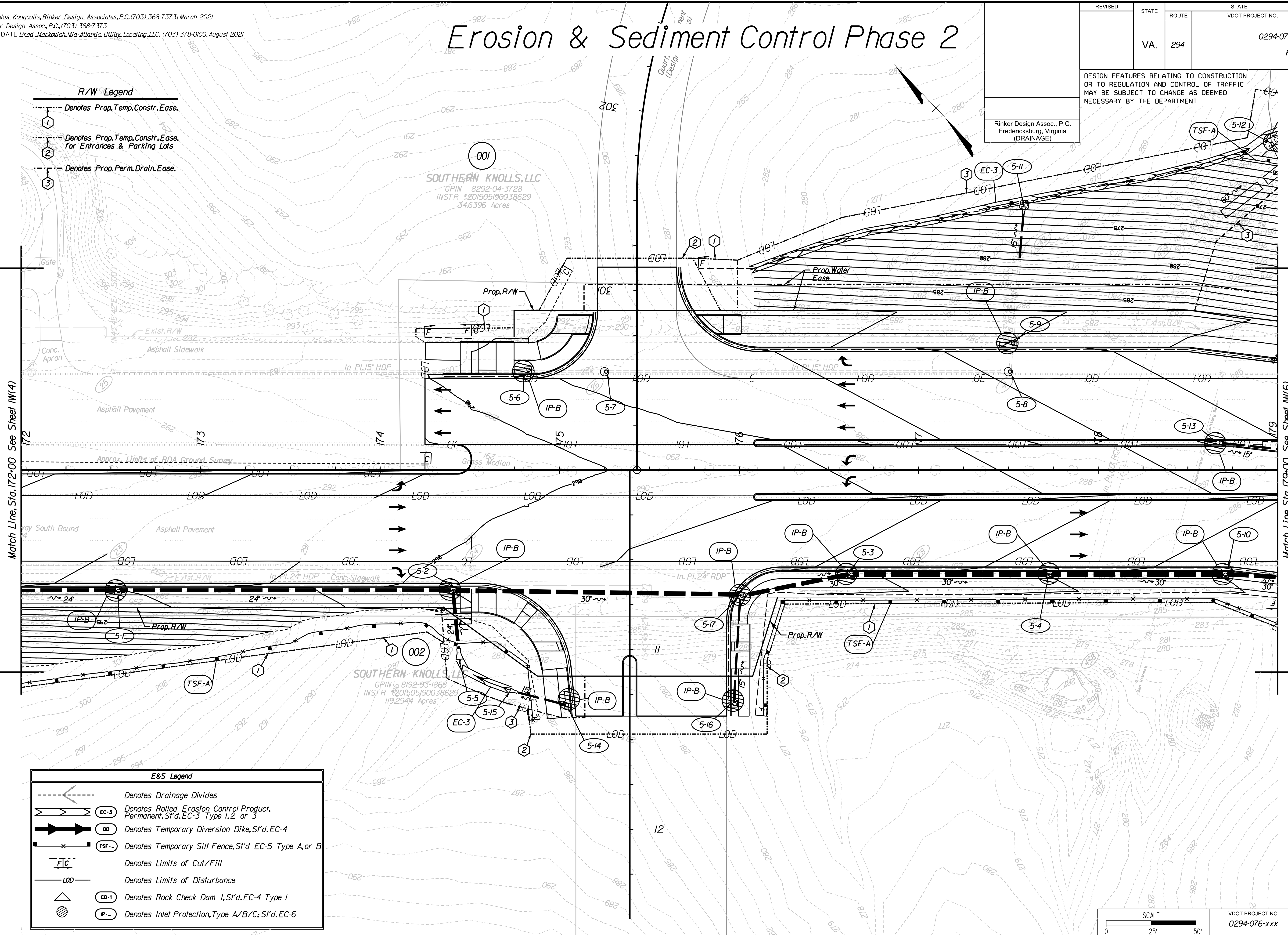
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(5)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots.
- Denotes Prop. Perm. Drain. Ease.



E&S Legend

- Denotes Drainage Divides
- EC-3 Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
- DD Denotes Temporary Diversion Dike, S'd. EC-4
- TSF-A Denotes Temporary Silt Fence, S'd. EC-5 Type A or B
- FIC Denotes Limits of Cut/Fill
- LOD Denotes Limits of Disturbance
- CD-1 Denotes Rock Check Dam 1, S'd. EC-4 Type 1
- IP-B Denotes Inlet Protection, Type A/B/C; S'd. EC-6

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

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

PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(5)
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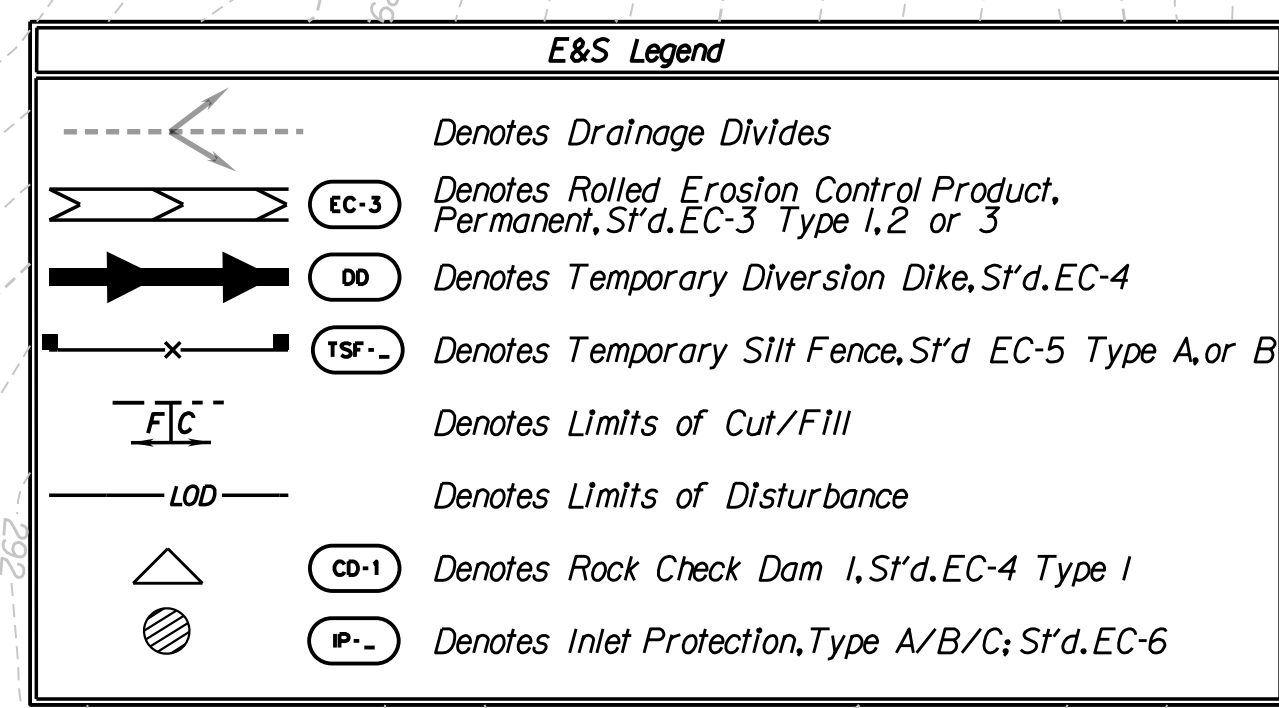
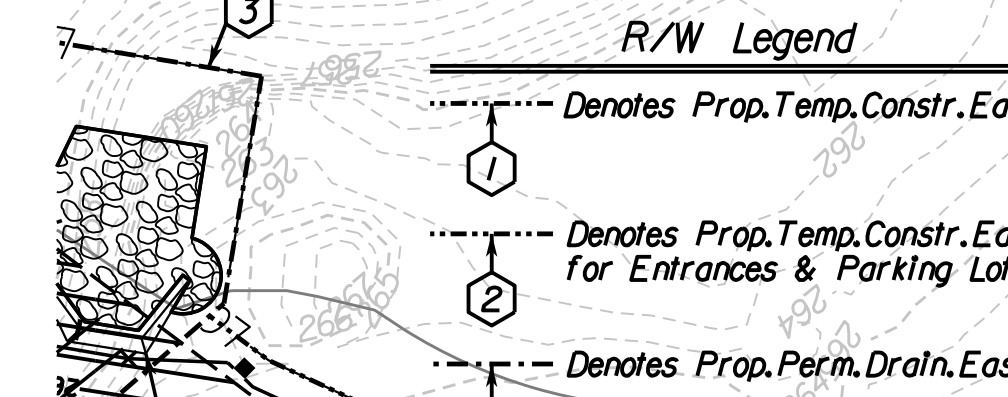
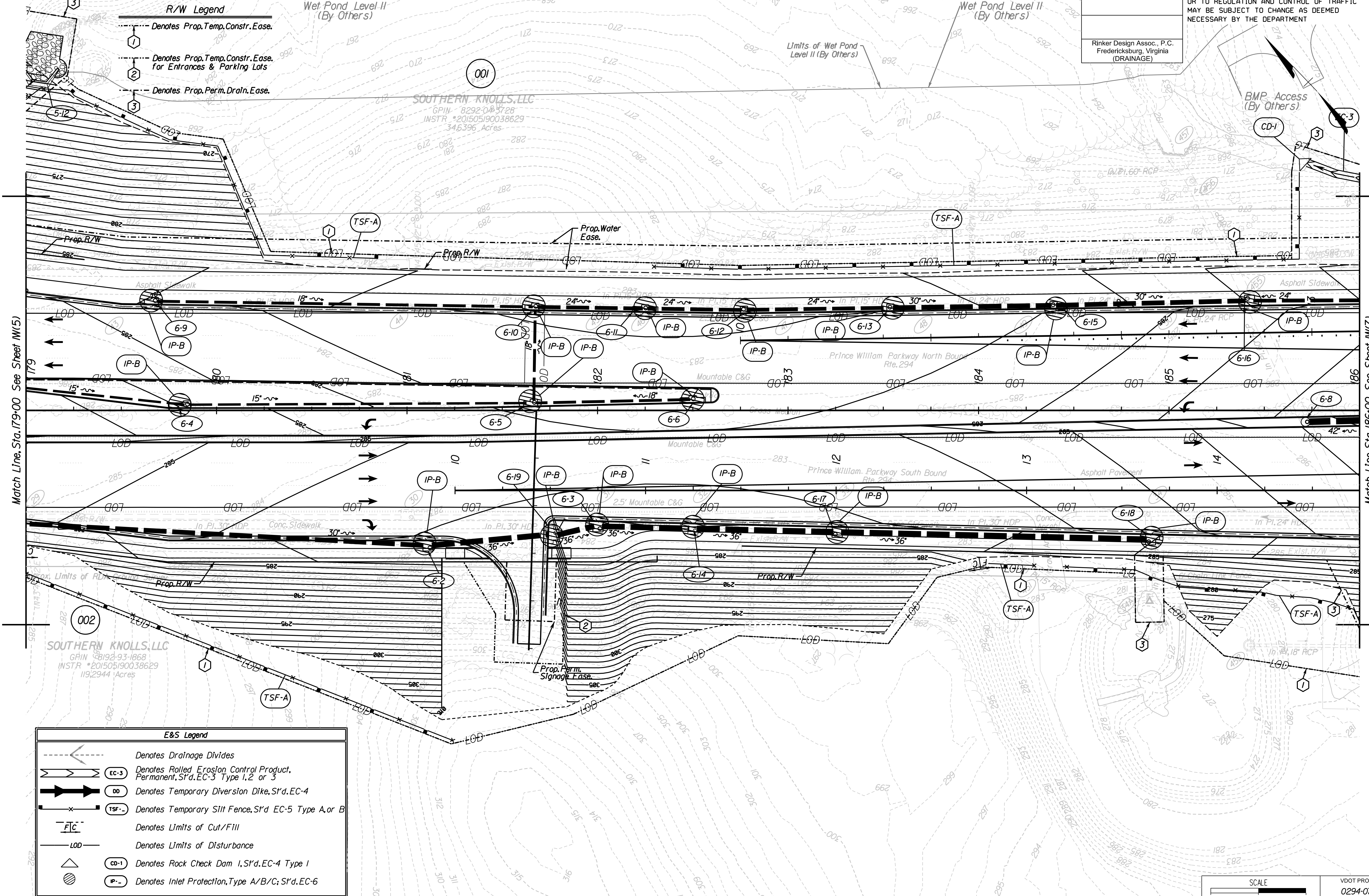
PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	W(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



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

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PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. W(6)
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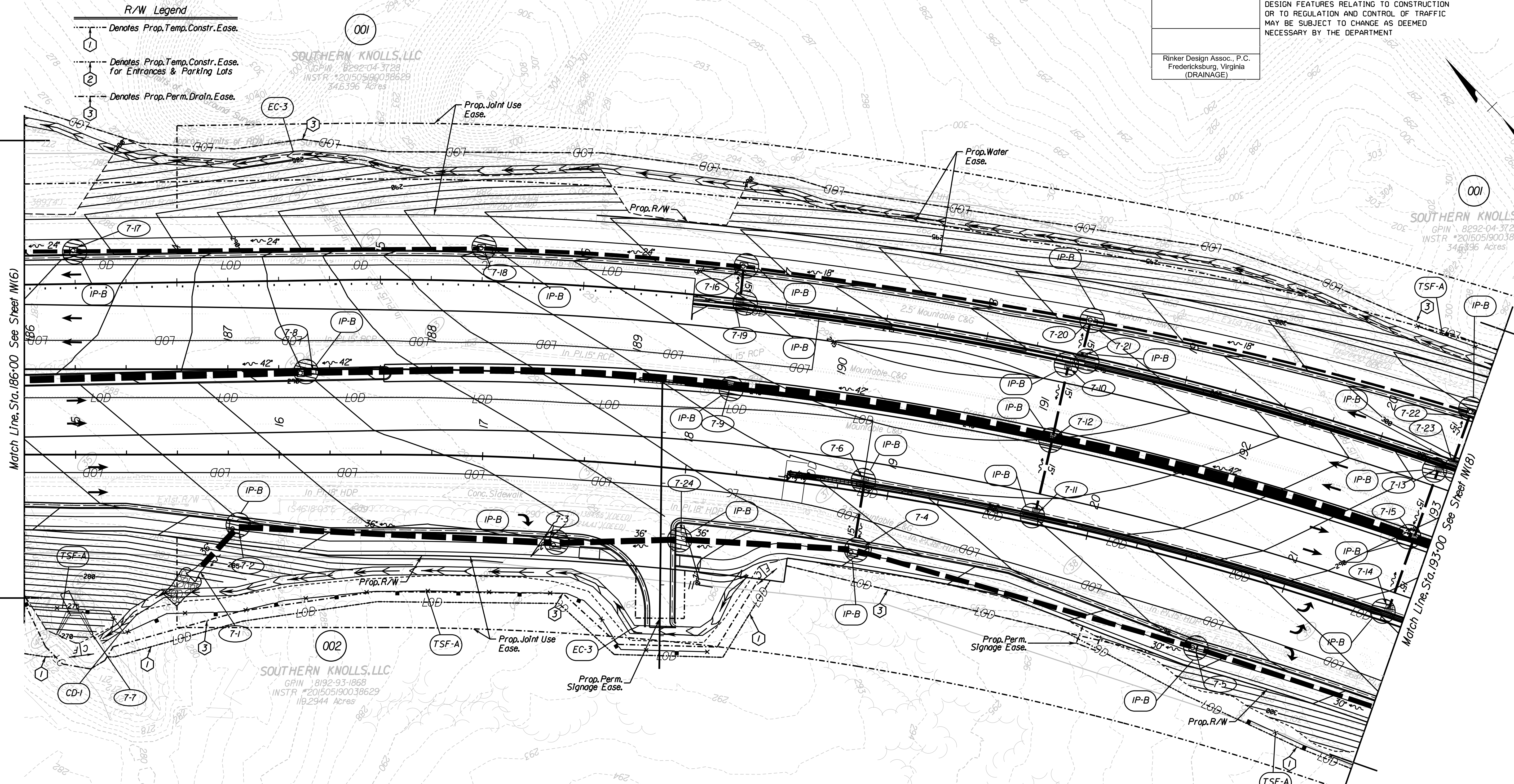
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas, Kougoullis, Blaker, Design, Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blaker, Design, Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	W(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



	Denotes Drainage Divides
	Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
	Denotes Temporary Diversion Dike, S'd. EC-4
	Denotes Temporary Silt Fence, S'd. EC-5 Type A or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S'd. EC-6

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. W(7)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas, Kougoullis, Blaker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Erosion & Sediment Control Phase 2

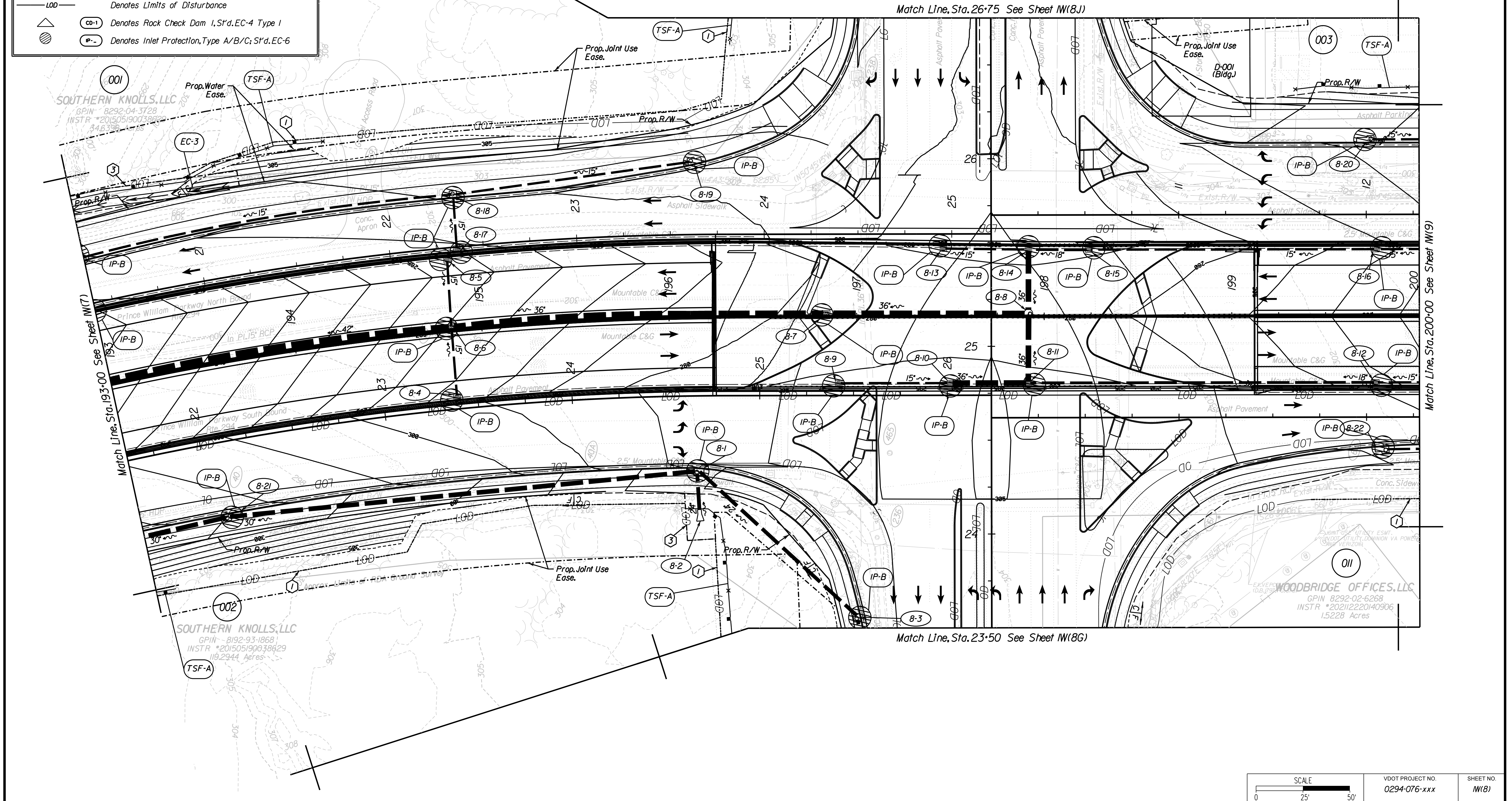
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	W(8)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

E&S Legend

- Denotes Drainage Divides
- Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
- Denotes Temporary Diversion Dike, S'd. EC-4
- Denotes Temporary Silt Fence, S'd. EC-5 Type A, or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam, S'd. EC-4 Type 1
- Denotes Inlet Protection, Type A/B/C; S'd. EC-6



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PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. W(8)
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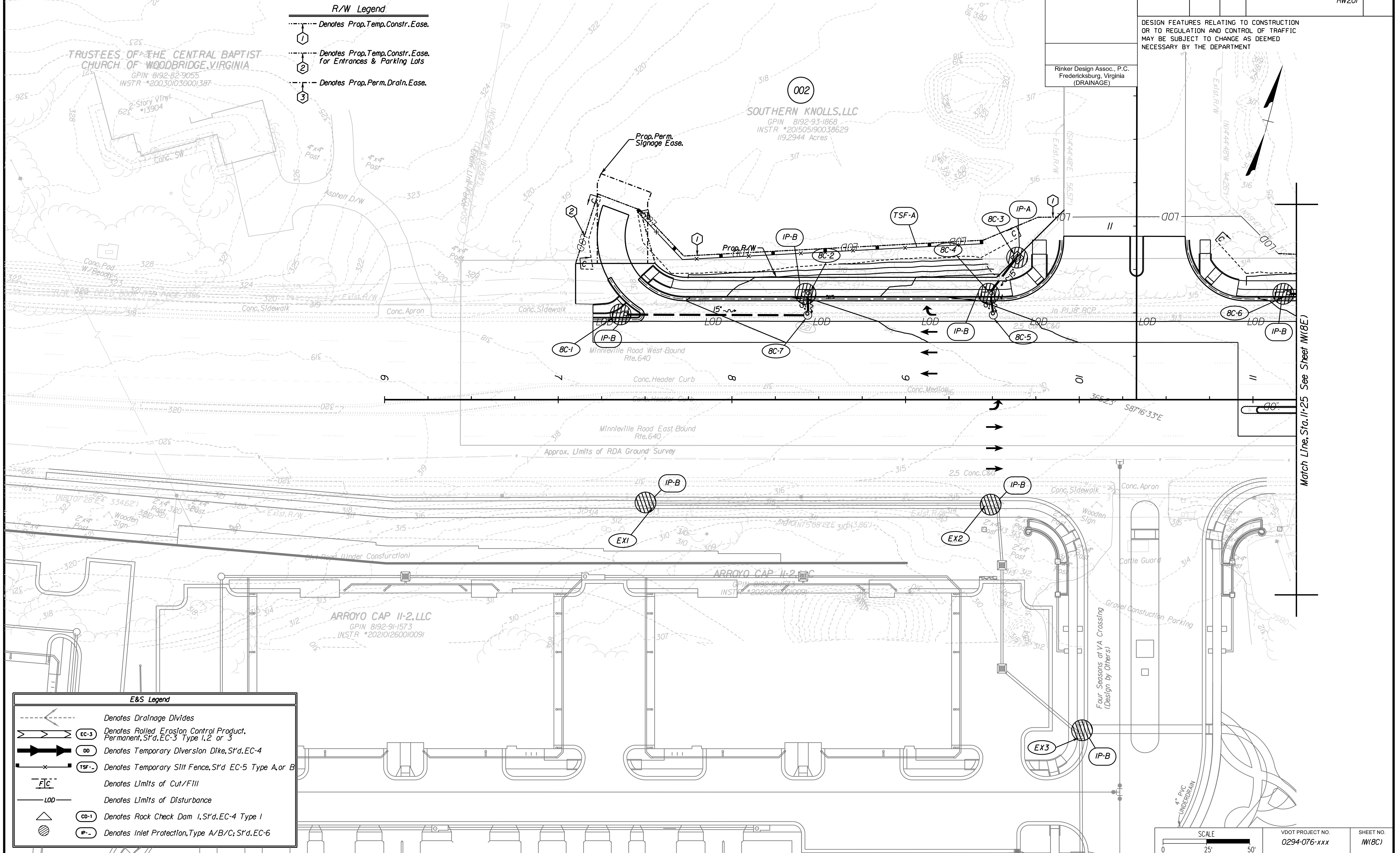
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SURVEYED BY, DATE: Nicholas Kouyouzis, Bliker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Bliker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	W18C1

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



R/W Legend

- Denotes Prop. Temp. Constr. Ease.
- ① Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
- ② Denotes Prop. Perm. Drain. Ease.

E&S Legend

- Denotes Drainage Divides
- EC-3 Denotes Rolled Erosion Control Product, Permanent, S'd, EC-3 Type 1, 2 or 3
- DD Denotes Temporary Diversion Dike, S'd, EC-4
- TSF Denotes Temporary Silt Fence, S'd, EC-5 Type A or B
- FC Denotes Limits of Cut/Fill
- LOD Denotes Limits of Disturbance
- CD-1 Denotes Rock Check Dam 1, S'd, EC-4 Type 1
- IP Denotes Inlet Protection, Type A/B/C; S'd, EC-6

SCALE 0 25' 50'

VDOT PROJECT NO. 0294-076-xxx

SHEET NO. W18C1

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

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PH PLANS

4/11/2023

Match Line, Sta. 11+25 See Sheet W18E1

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kraugau's, Binker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Binker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

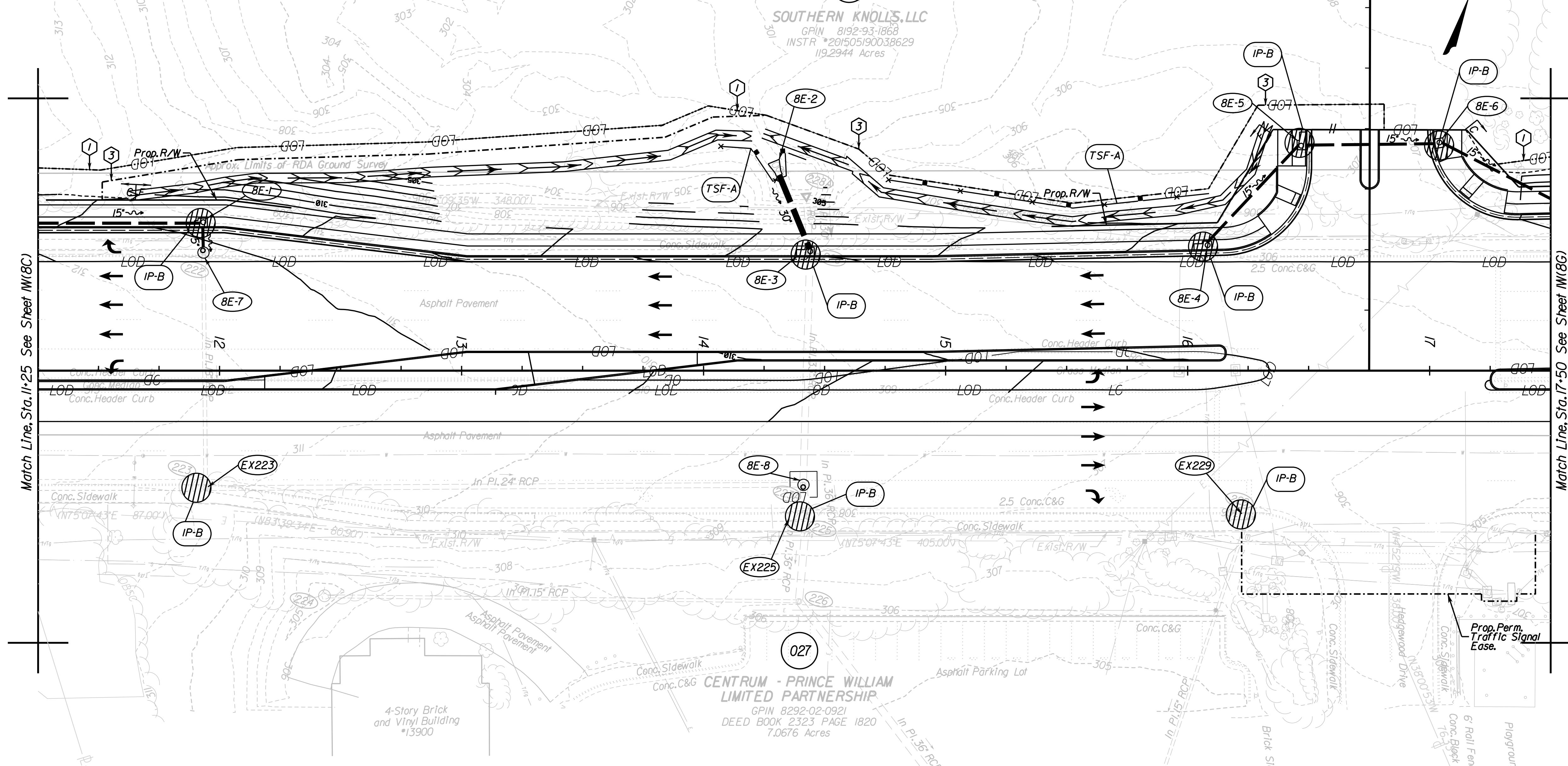
Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	11(8E)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

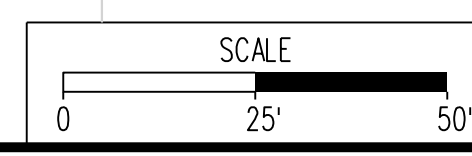
- R/W Legend**
- ① --- Denotes Prop. Temp. Constr. Ease.
 - ② --- Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
 - ③ --- Denotes Prop. Perm. Drain. Ease.



Match Line, Sta. 11+25 See Sheet 11(8C)

Match Line, Sta. 17+50 See Sheet 11(8G)

- E&S Legend**
- Denotes Drainage Divides
 - EC-3 --- Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
 - TD --- Denotes Temporary Diversion Dike, S'd. EC-4
 - TSF-A --- Denotes Temporary Silt Fence, S'd. EC-5 Type A, or B
 - LC/F --- Denotes Limits of Cut/Fill
 - LOD --- Denotes Limits of Disturbance
 - CD-1 --- Denotes Rock Check Dam 1, S'd. EC-4 Type 1
 - IP-B --- Denotes Inlet Protection, Type A/B/C; S'd. EC-6



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 11(8E)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

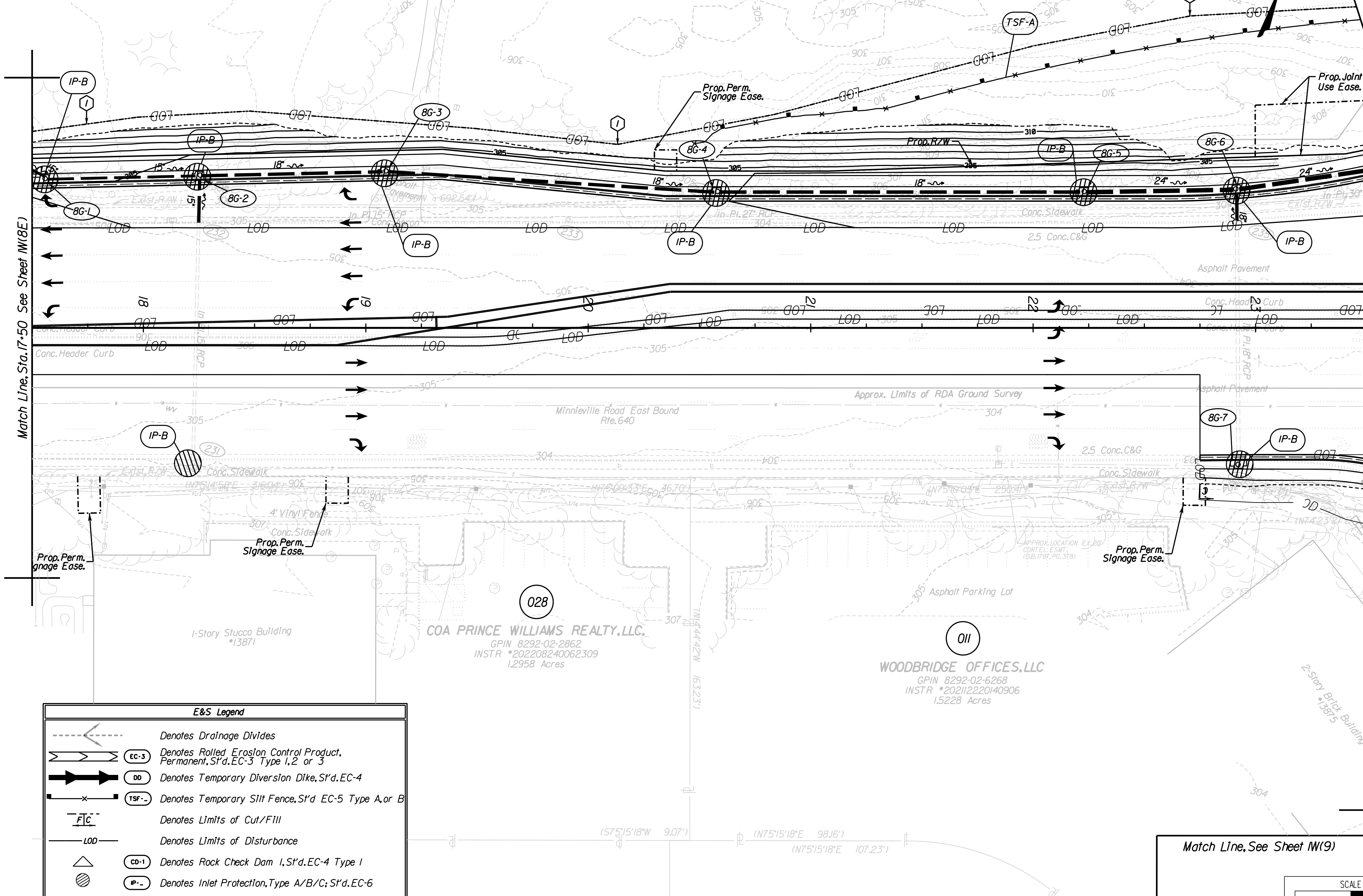
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	W(8G)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)

R/W Legend

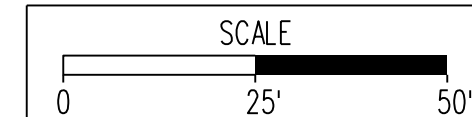
	Denotes Prop. Temp. Constr. Ease.
	Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
	Denotes Prop. Perm. Drain. Ease.



E&S Legend

	Denotes Drainage Divides
	Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
	Denotes Temporary Diversion Dike, S'd. EC-4
	Denotes Temporary Silt Fence, S'd. EC-5 Type A or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam, S'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S'd. EC-6

Match Line, See Sheet W(9)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. W(8G)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

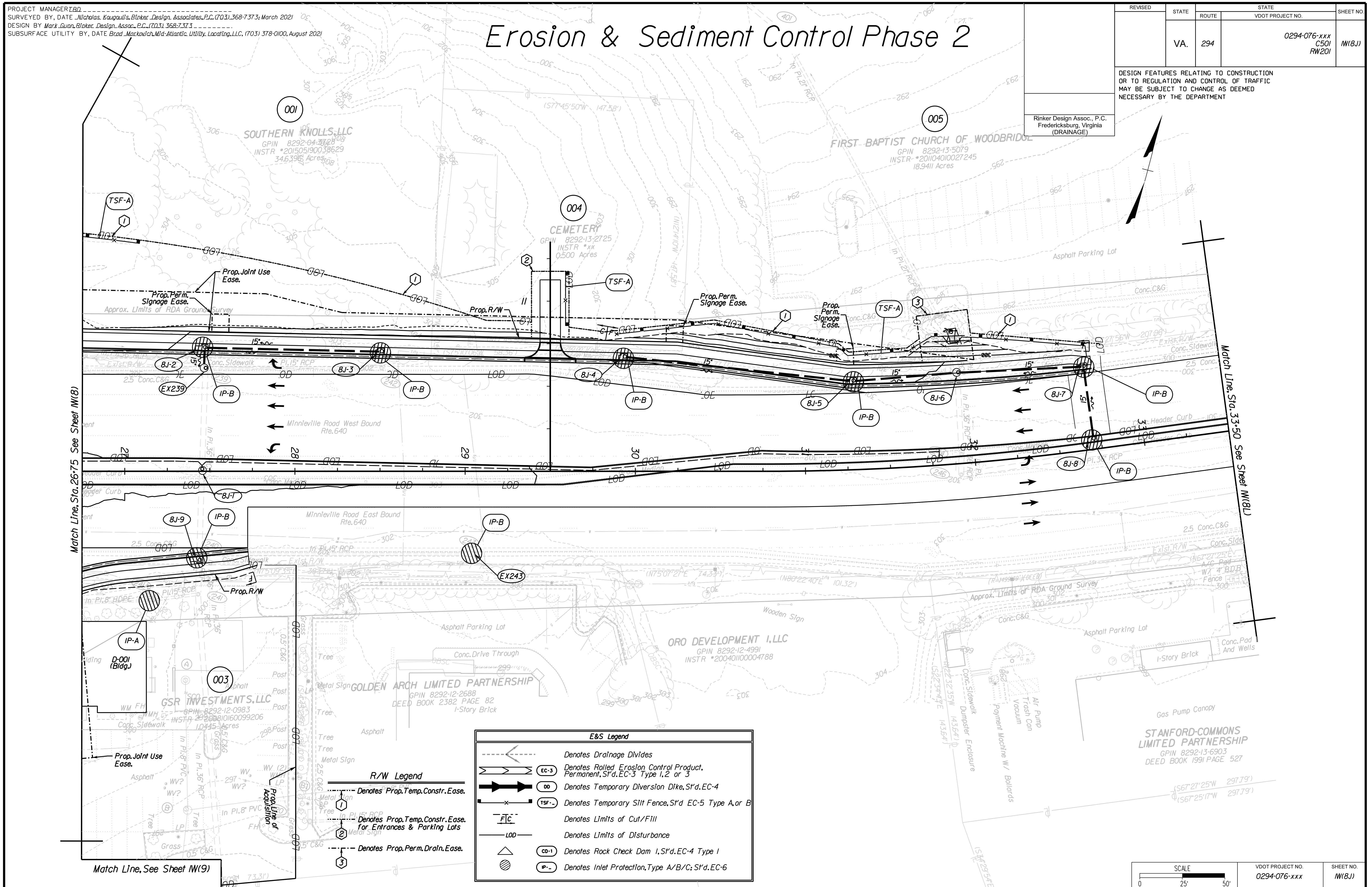
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Binker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	11(8J)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend	
	Denotes Drainage Divides
	Denotes Rolled Erosion Control Product, Permanent, S't'd. EC-3 Type 1, 2 or 3
	Denotes Temporary Diversion Dike, S't'd. EC-4
	Denotes Temporary Silt Fence, S't'd. EC-5 Type A or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S't'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S't'd. EC-6

R/W Legend	
	Denotes Prop. Temp. Constr. Ease.
	Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
	Denotes Prop. Perm. Drain. Ease.

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PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 11(8J)
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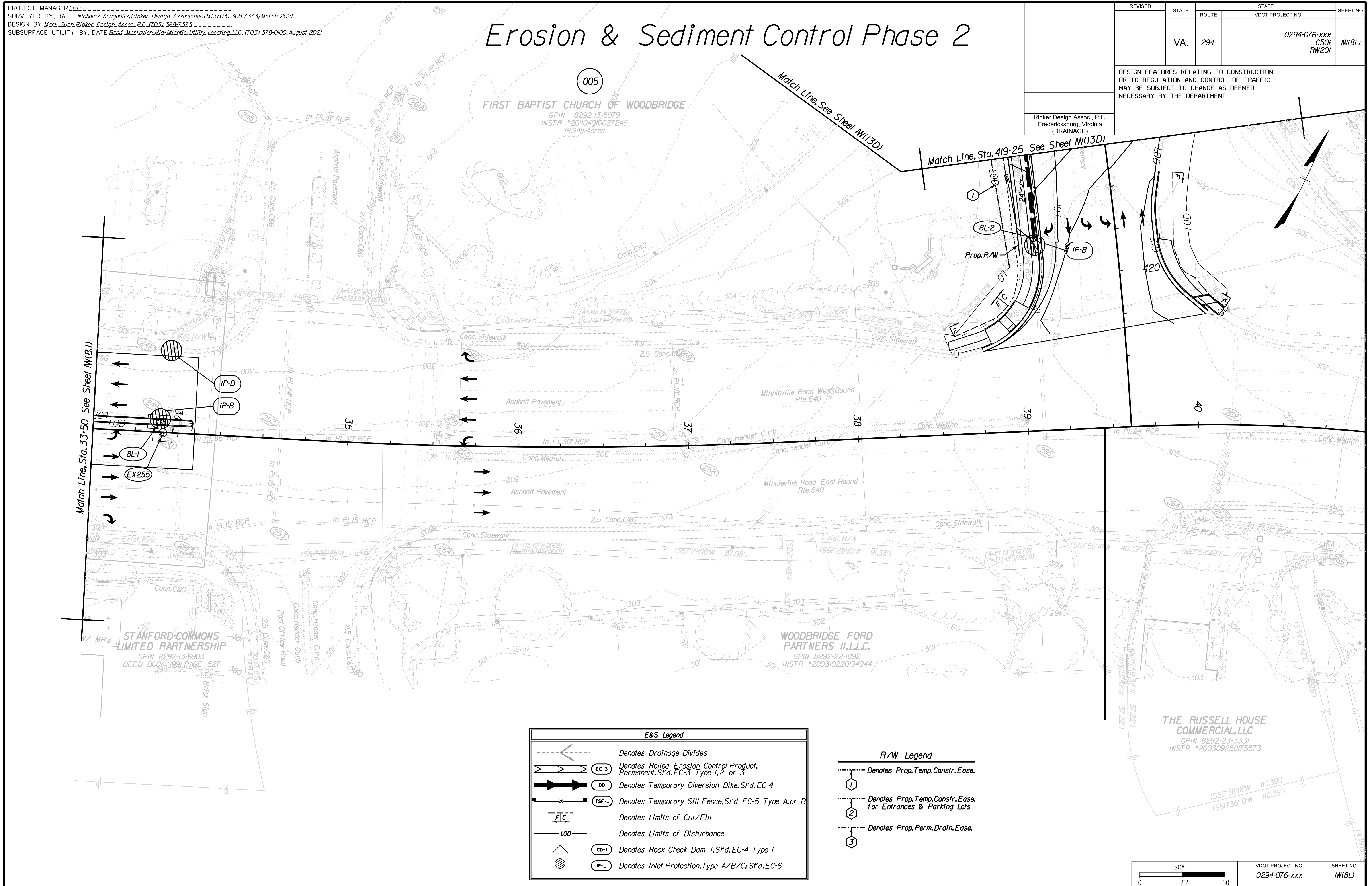
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	11(8L)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



E&S Legend	
	Denotes Drainage Divides
	Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
	Denotes Temporary Diversion Dike, S'd. EC-4
	Denotes Temporary Silt Fence, S'd. EC-5 Type A, or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S'd. EC-6

R/W Legend	
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	Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
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SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 11(8L)
--------------------	----------------------------------	---------------------

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PH PLANS

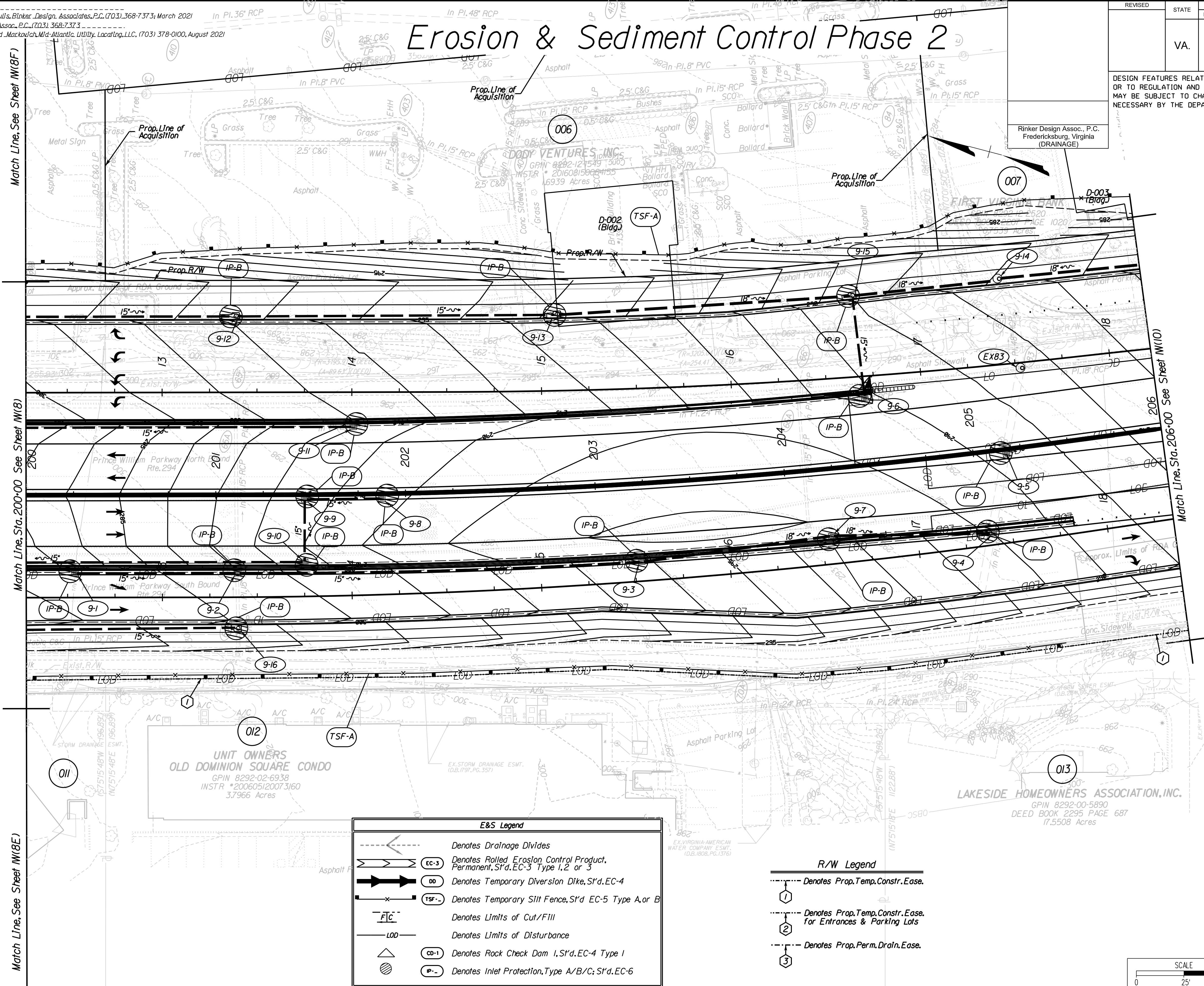
PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kouyoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



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- Denotes Temporary Silt Fence, S' d. EC-5 Type A, or B
- Denotes Limits of Cut/Fill
- Denotes Limits of Disturbance
- Denotes Rock Check Dam 1, S' d. EC-4 Type 1
- Denotes Inlet Protection, Type A/B/C; S' d. EC-6

R/W Legend

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- Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
- Denotes Prop. Perm. Drain. Ease.

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PH PLANS

SCALE: 0 25' 50'

VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(9)
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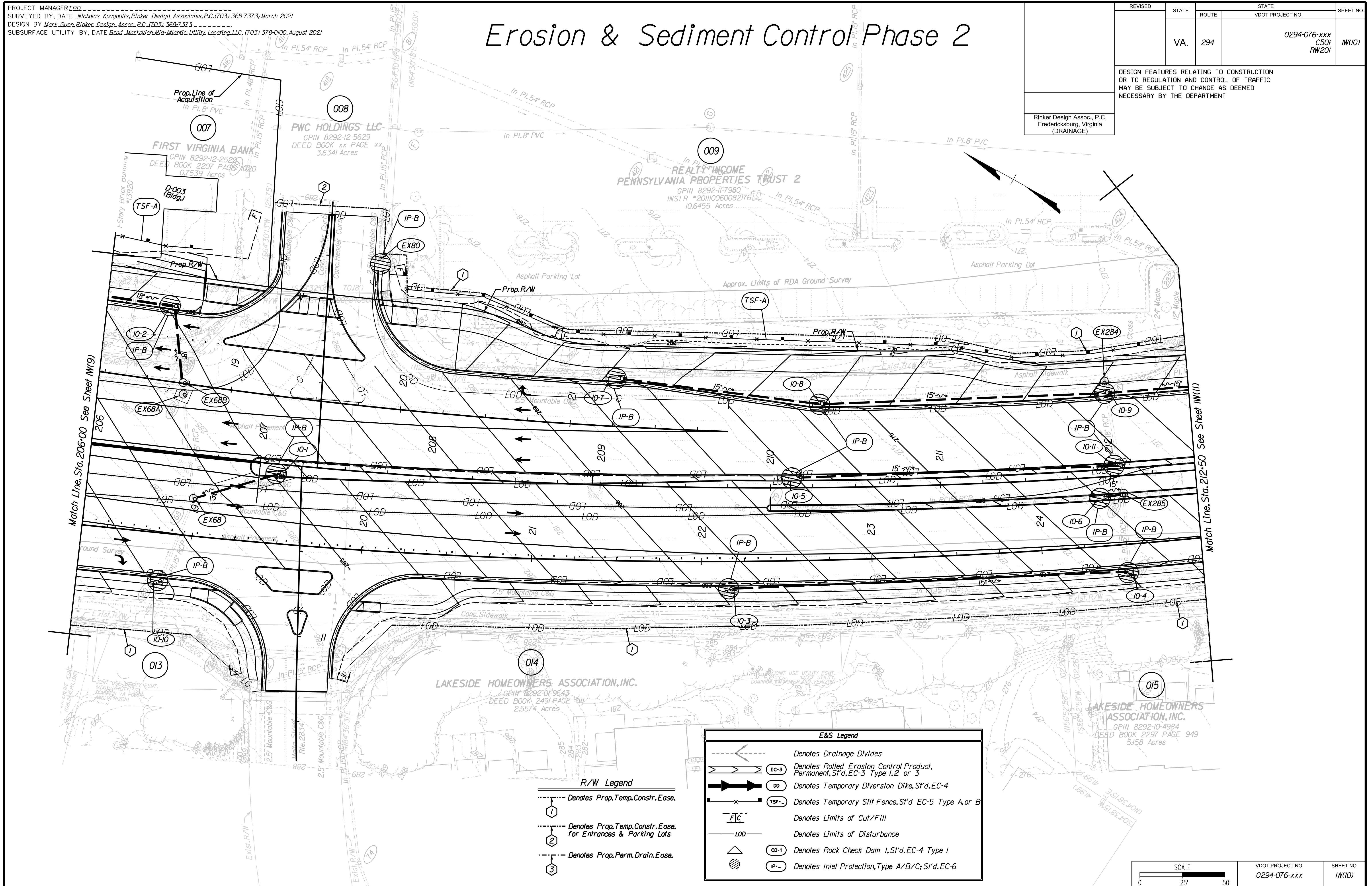
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(10)

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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



R/W Legend

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	Denotes Rock Check Dam 1, S'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S'd. EC-6

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(10)
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PH PLANS

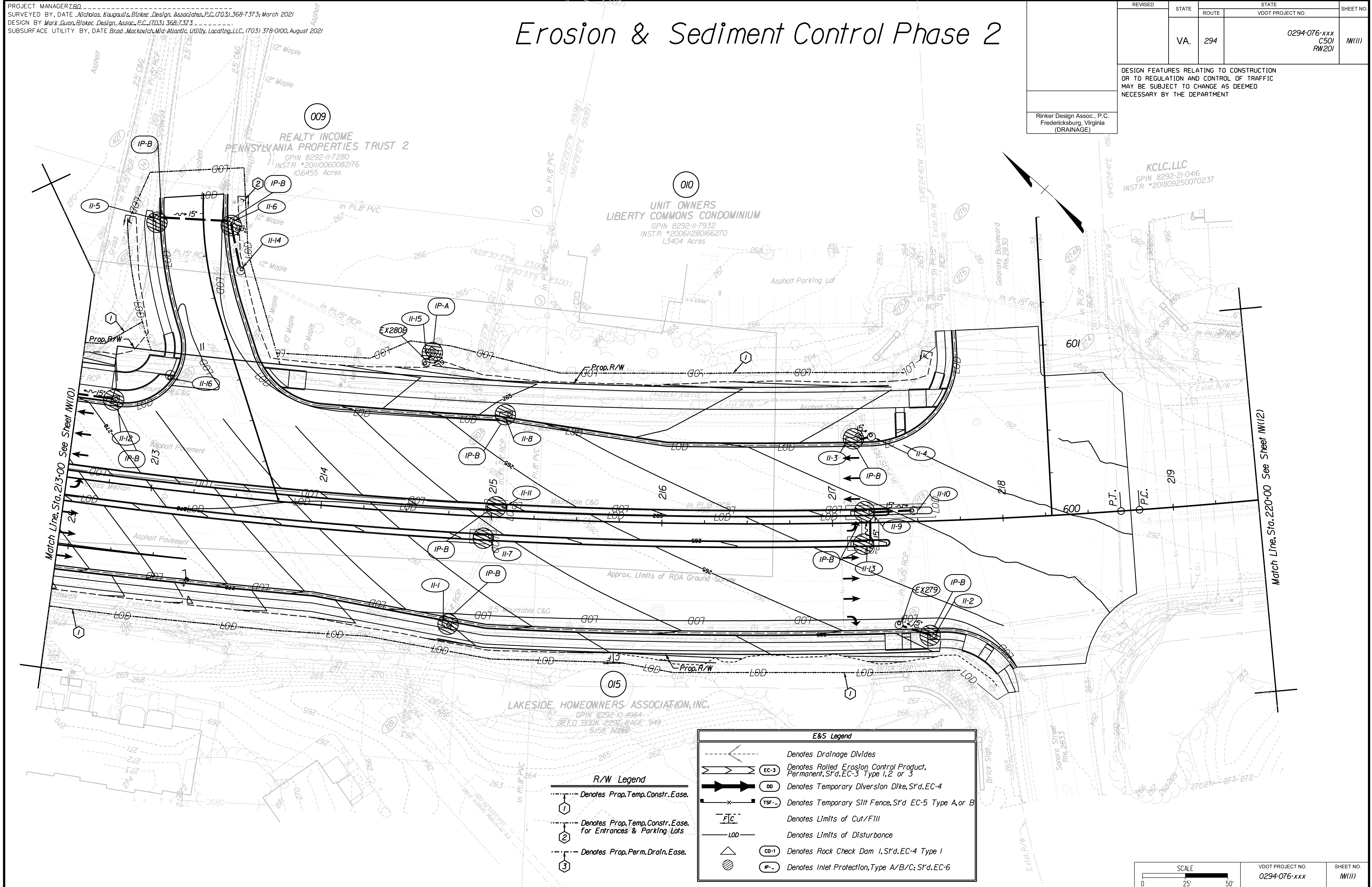
PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(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 Assoc., P.C.
Fredericksburg, Virginia
(DRAINAGE)



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	Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots.
	Denotes Prop. Perm. Drain. Ease.

E&S Legend

	Denotes Drainage Divides
	Denotes Rolled Erosion Control Product, Permanent, S'd. EC-3 Type 1, 2 or 3
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	Denotes Temporary Silt Fence, S'd. EC-5 Type A or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S'd. EC-6

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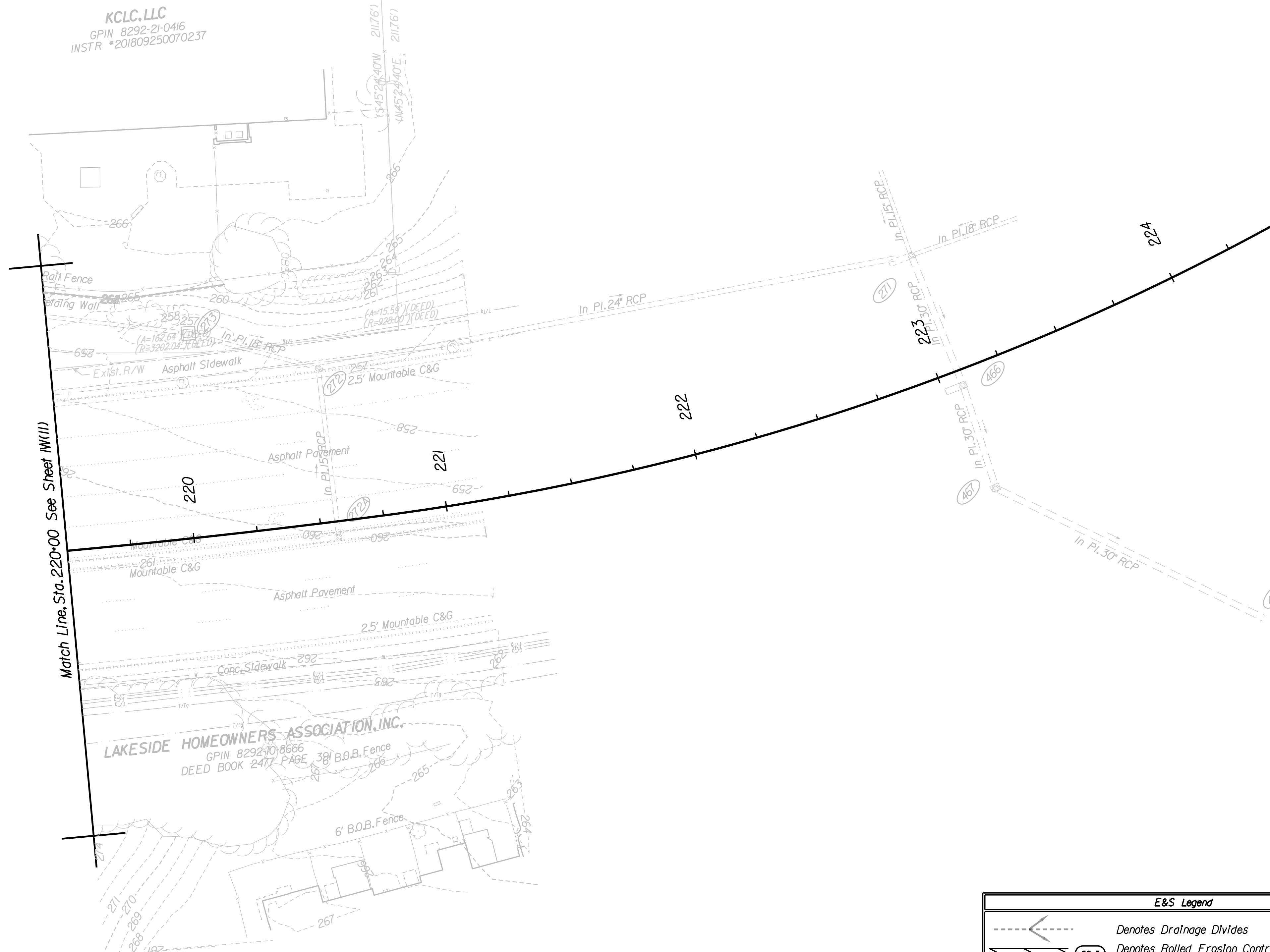
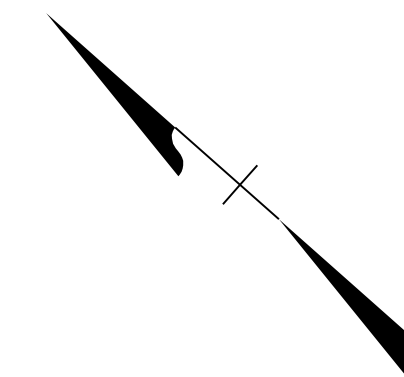
PH PLANS

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(11)
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PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Bliker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Bliker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Erosion & Sediment Control Phase 2

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	M(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 Assoc., P.C. Fredericksburg, Virginia (DRAINAGE)					



	Denotes Drainage Divides
	Denotes Rolled Erosion Control Product, Permanent, S't'd. EC-3 Type 1, 2 or 3
	Denotes Temporary Diversion Dike, S't'd. EC-4
	Denotes Temporary Silt Fence, S't'd. EC-5 Type A or B
	Denotes Limits of Cut/Fill
	Denotes Limits of Disturbance
	Denotes Rock Check Dam 1, S't'd. EC-4 Type 1
	Denotes Inlet Protection, Type A/B/C; S't'd. EC-6

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. M(12)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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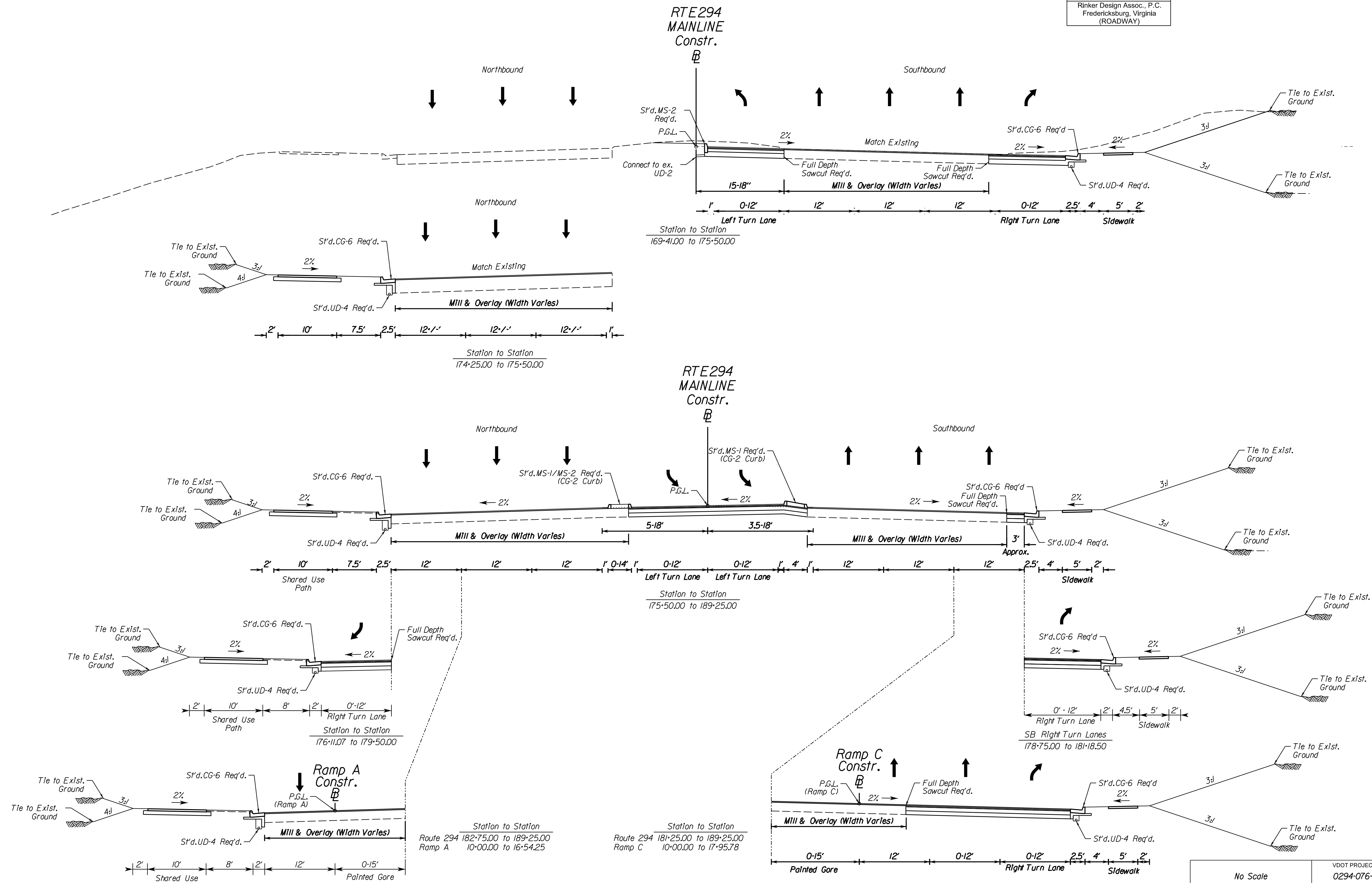
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



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PH PLANS

4/11/2023

No Scale
VDOT PROJECT NO. 0294-076-xxx
SHEET NO. 2A

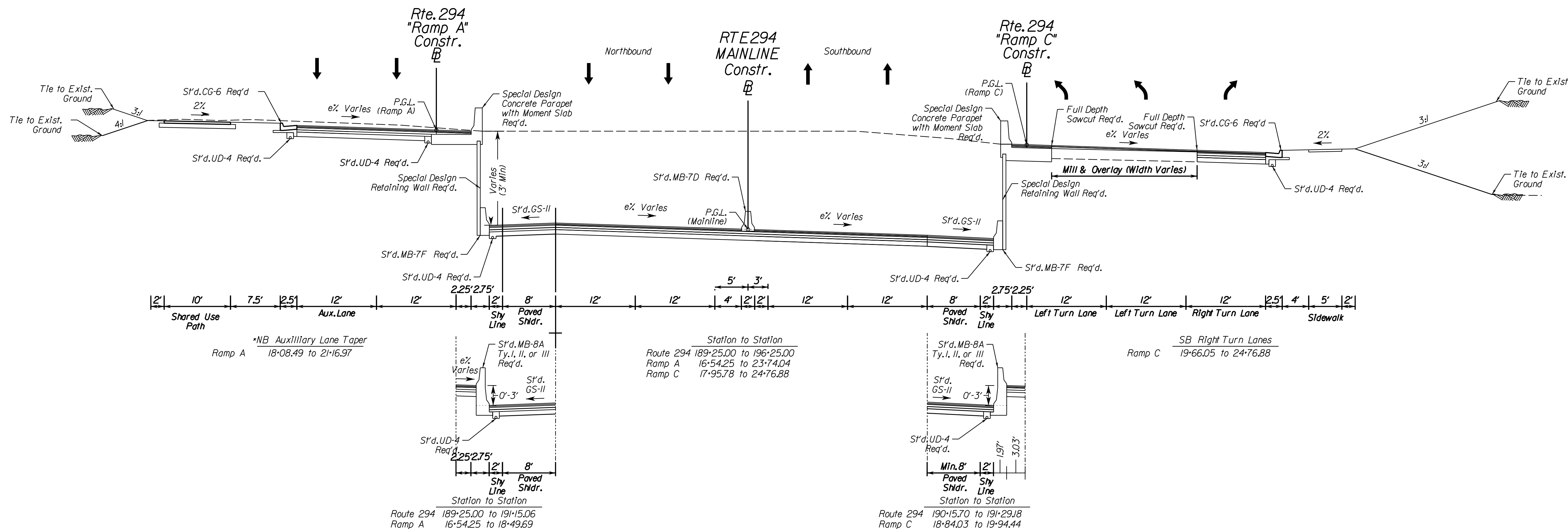
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2A(1)

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

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



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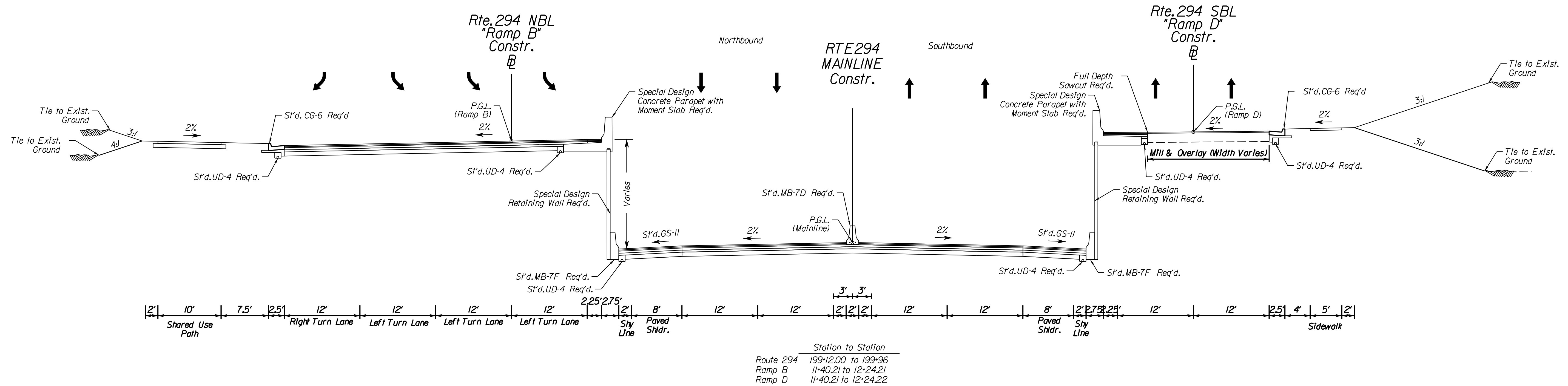
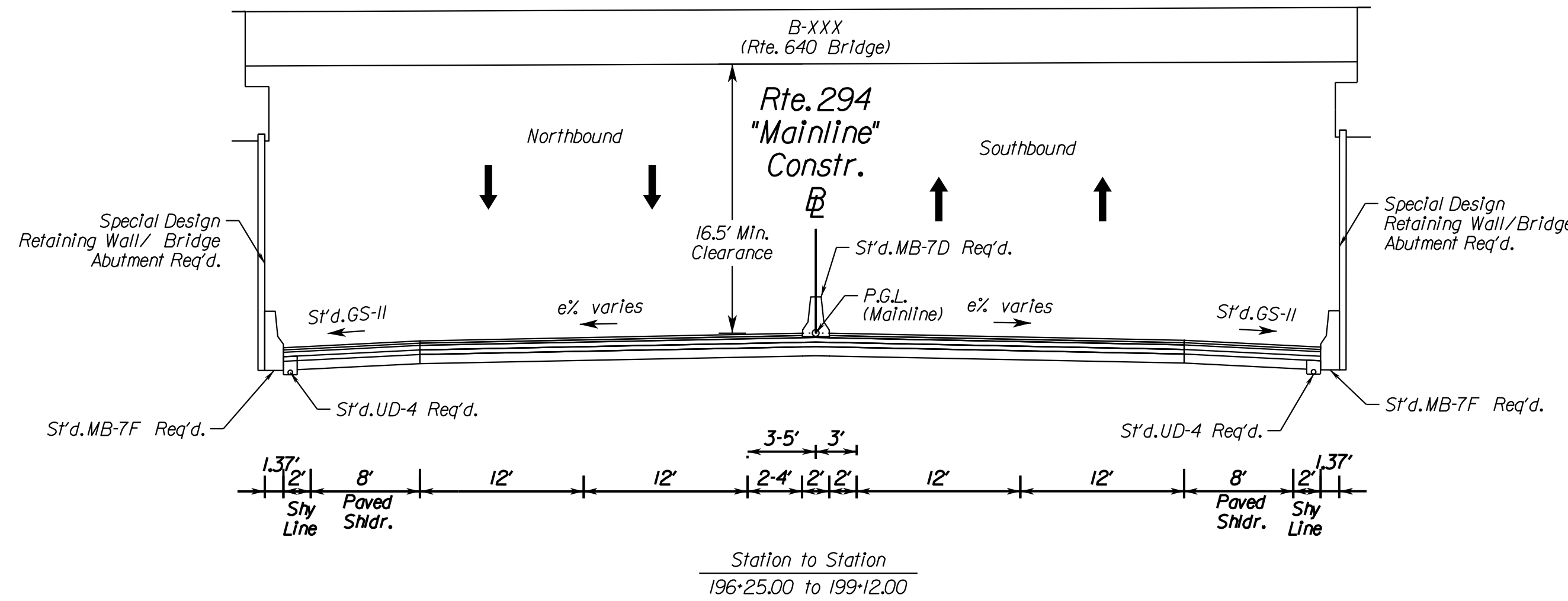
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	2A(2)

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Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



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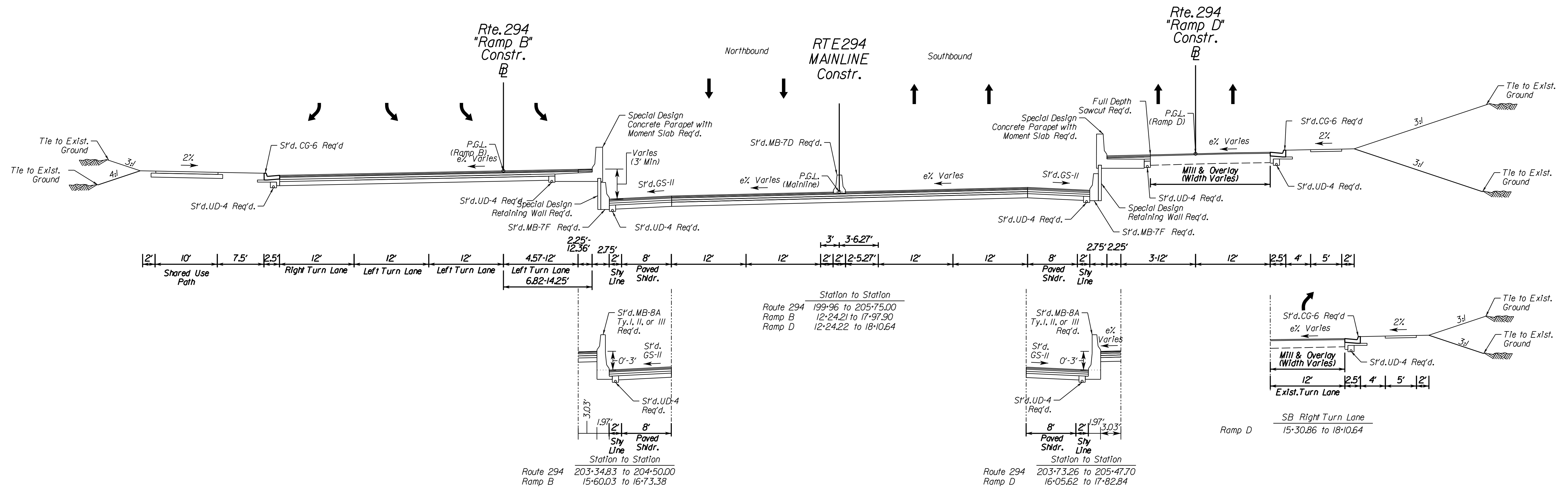
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DESIGN BY: Mark Guon, Rinker Design Assoc., P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	2A(3)
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Rinker Design Assoc., P.C. Fredericksburg, Virginia (ROADWAY)					



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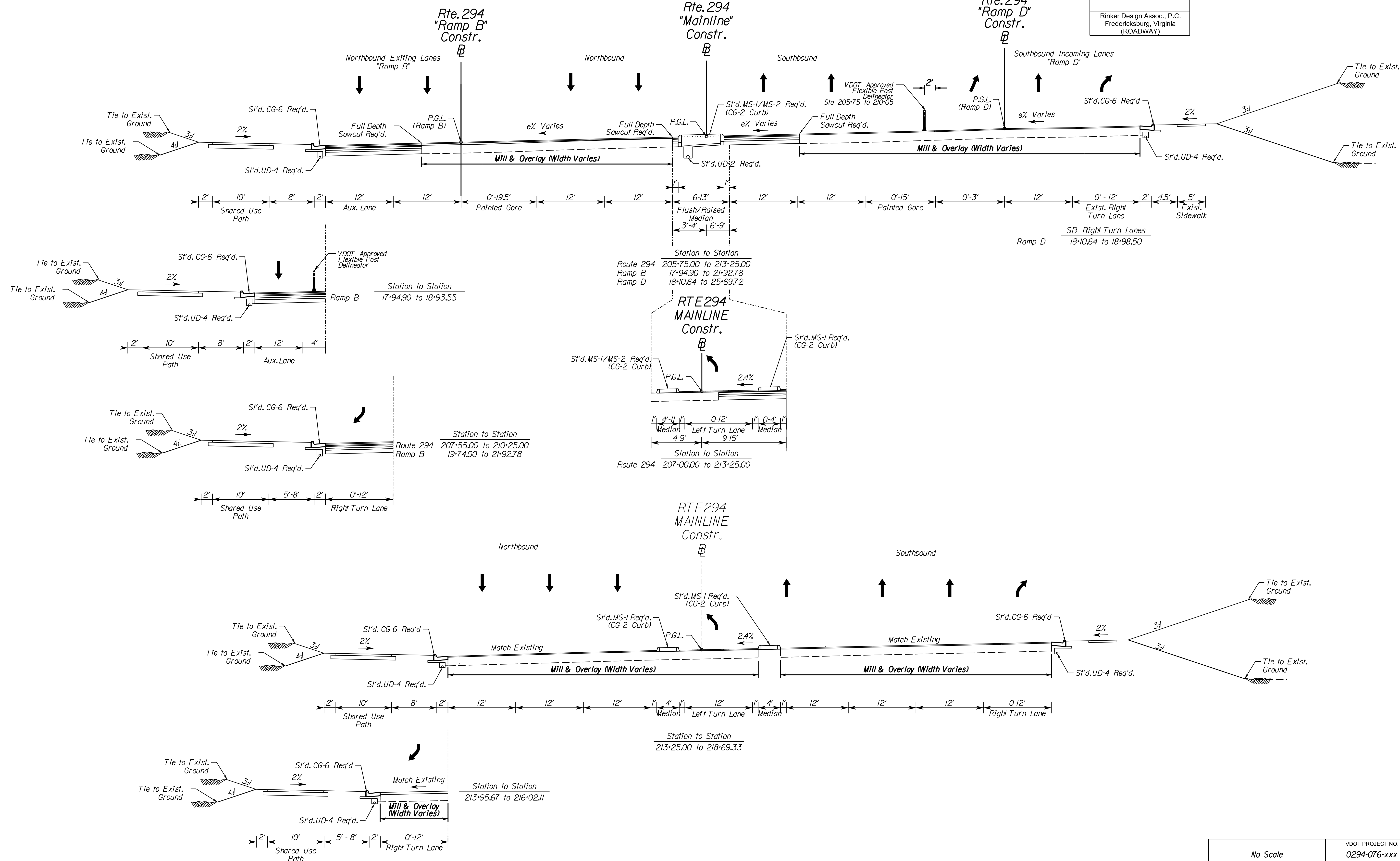
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas, Krugavil's, Rinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2A(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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



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PH PLANS

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2A(4)
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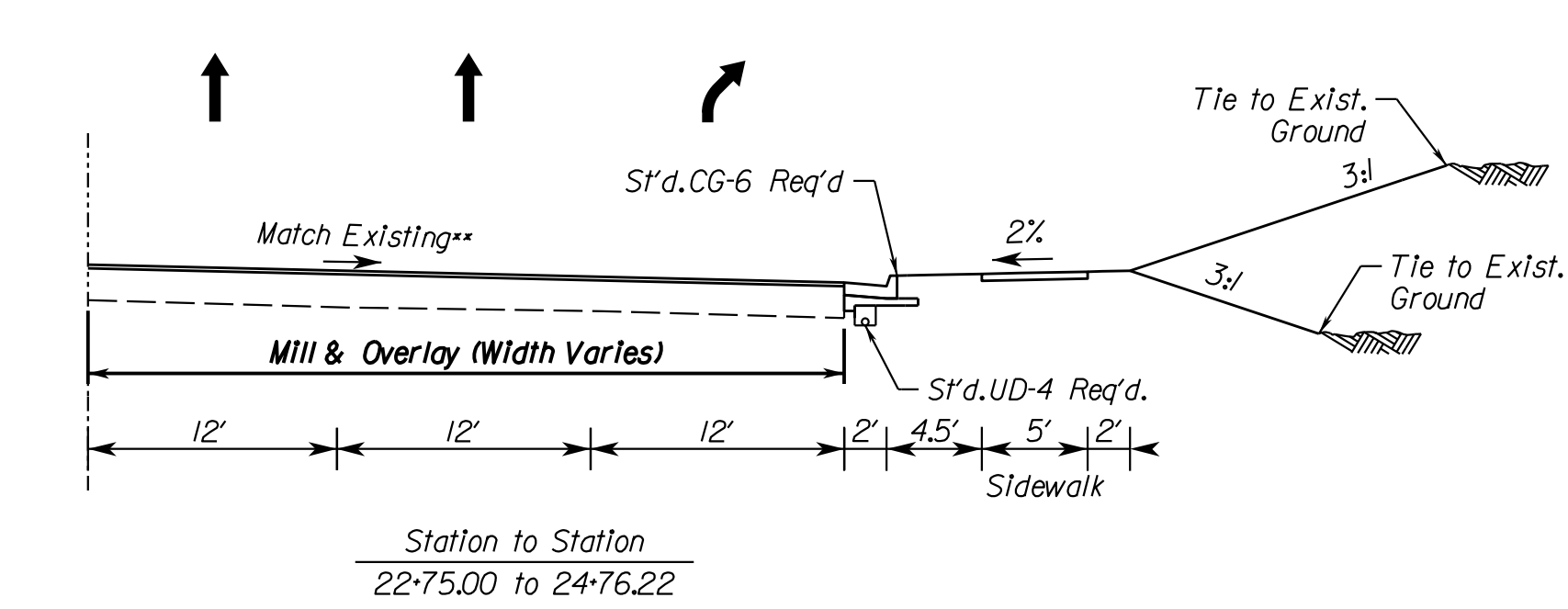
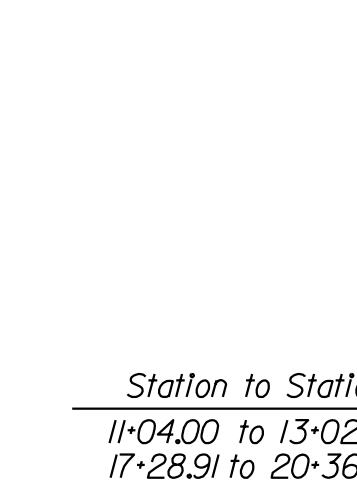
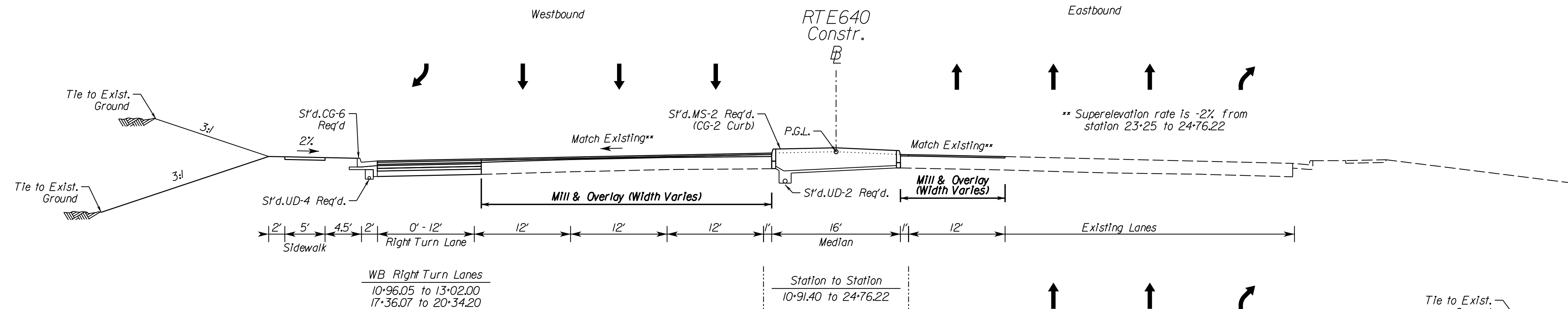
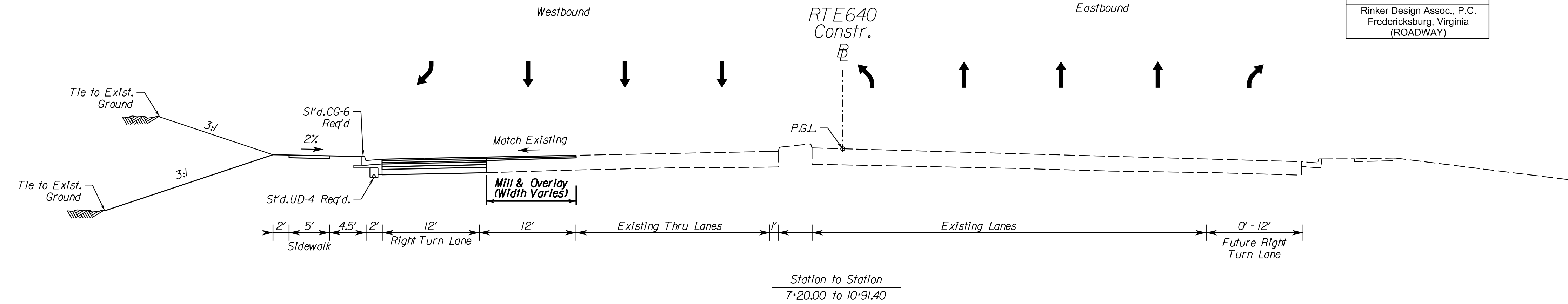
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2B

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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2B
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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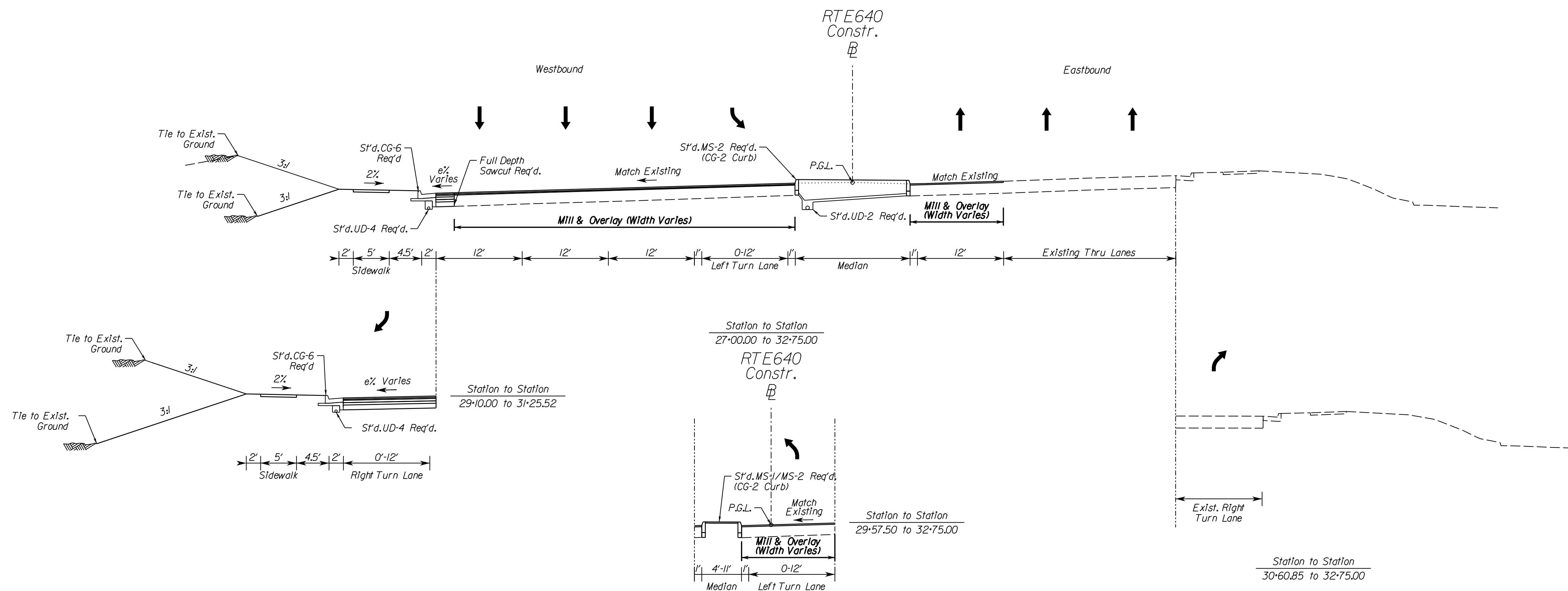
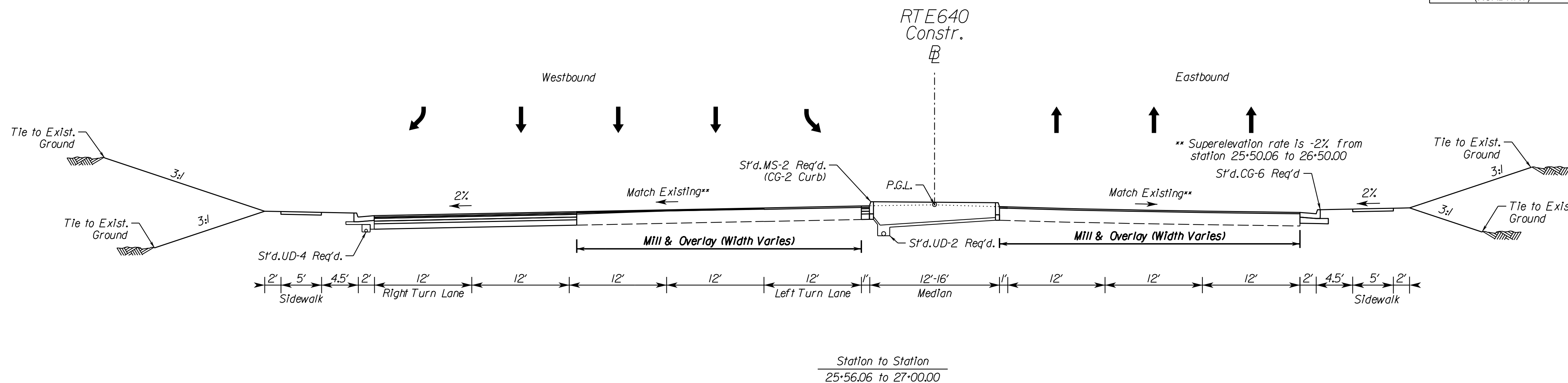
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2B(1)

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Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2B(1)
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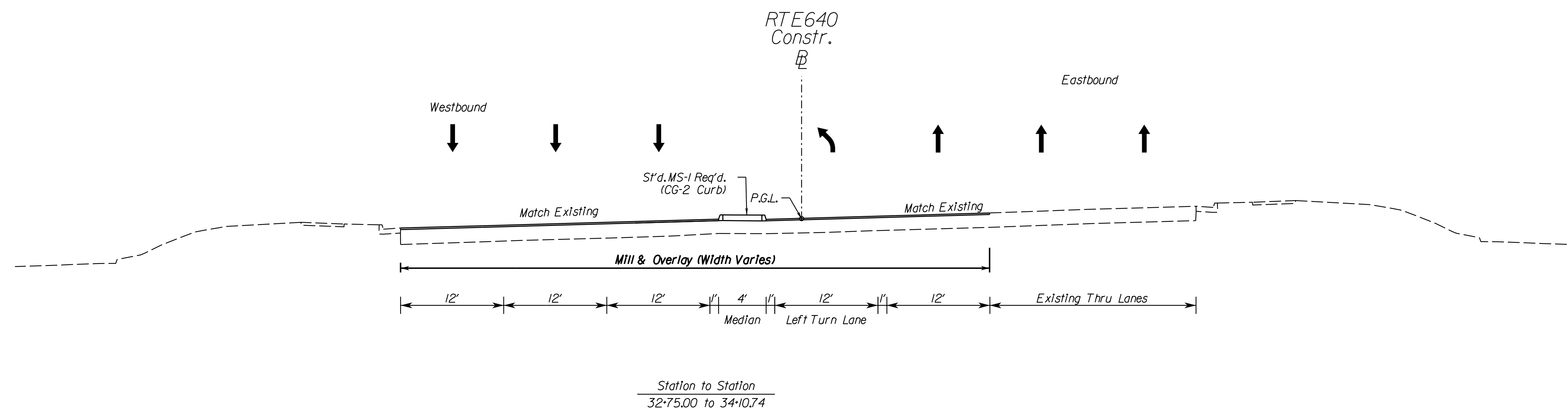
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DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	2B(2)
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Rinker Design Assoc., P.C. Fredericksburg, Virginia (ROADWAY)					



4/11/2023

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2B(2)
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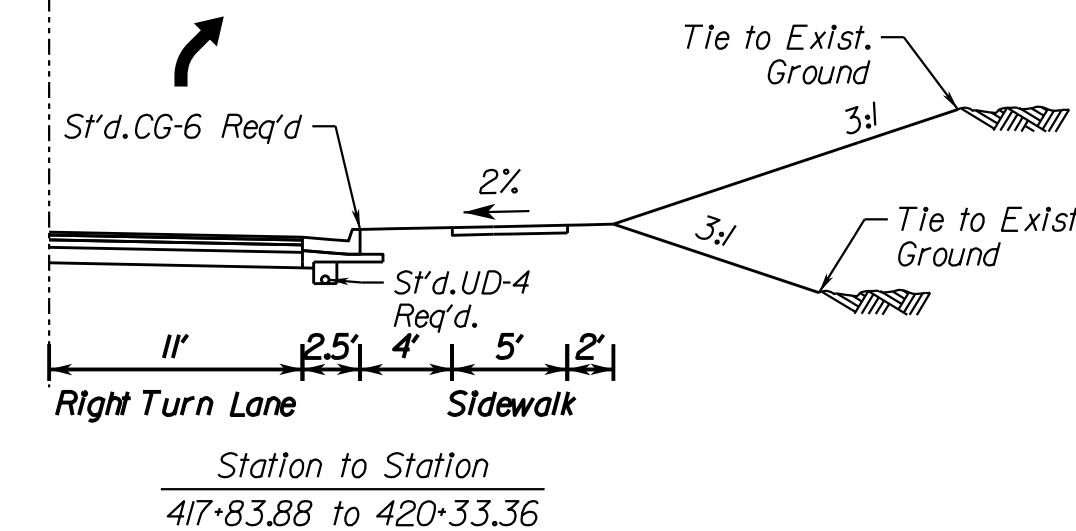
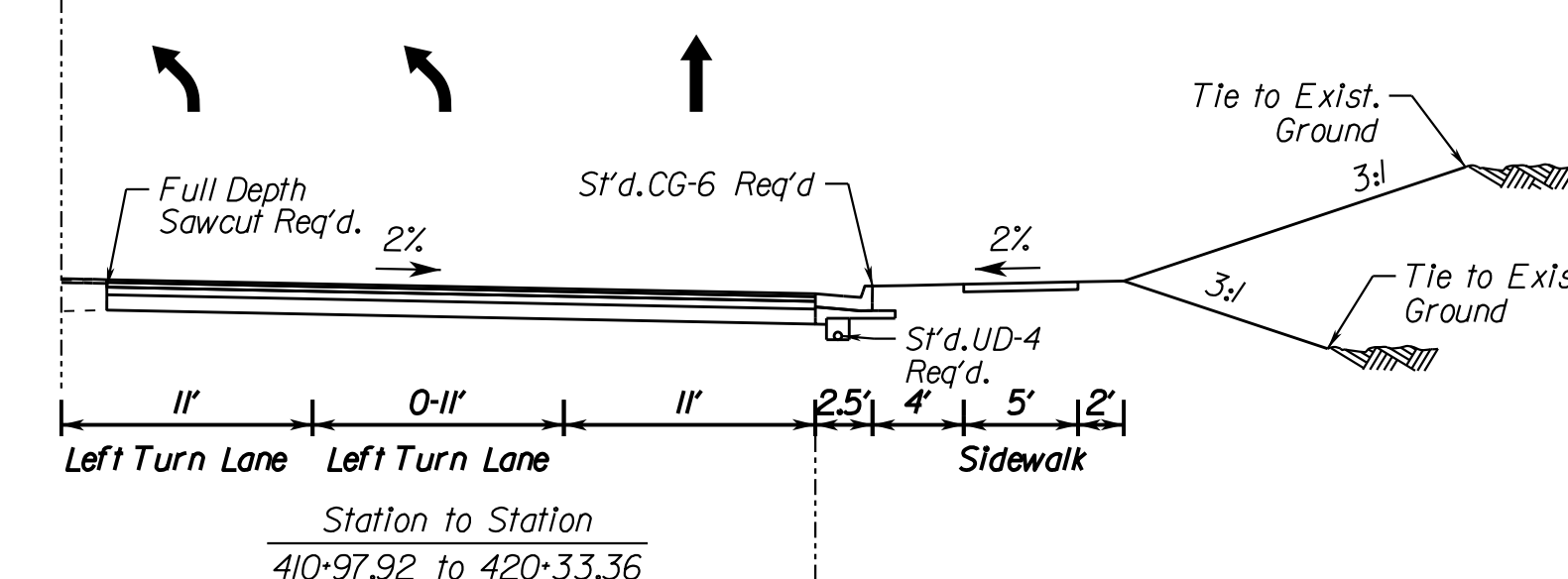
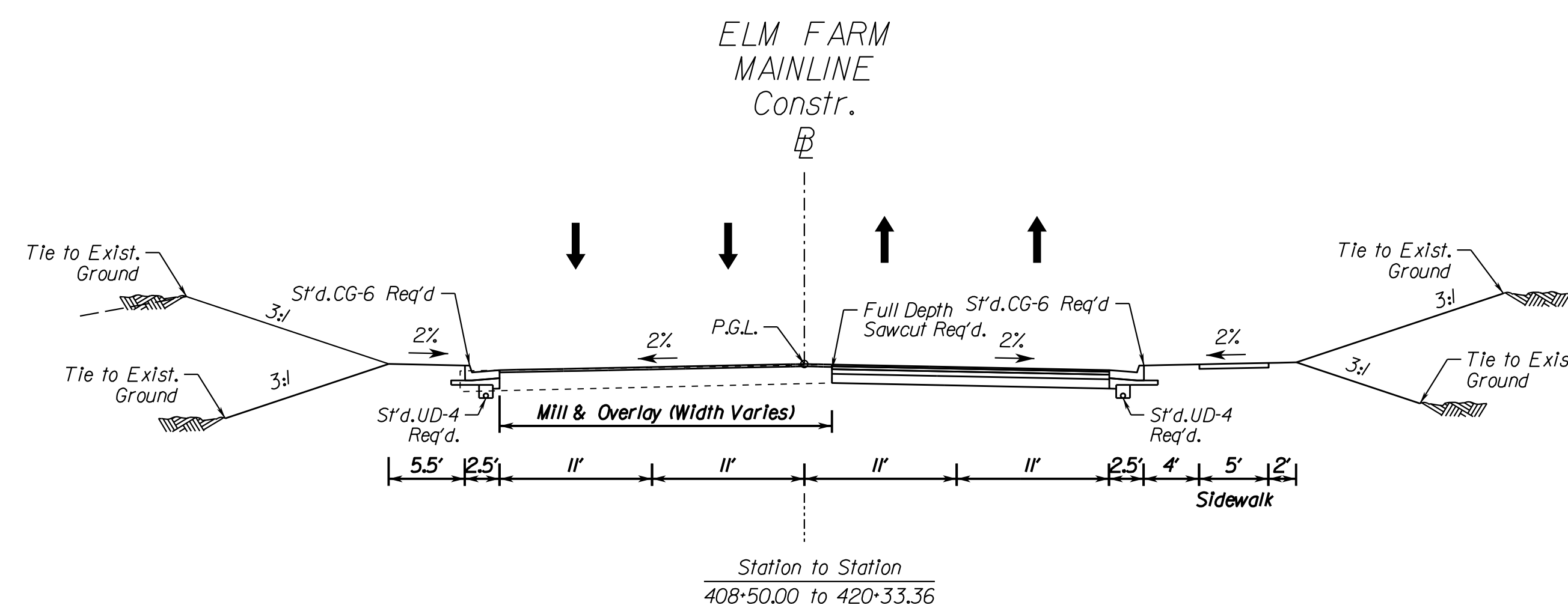
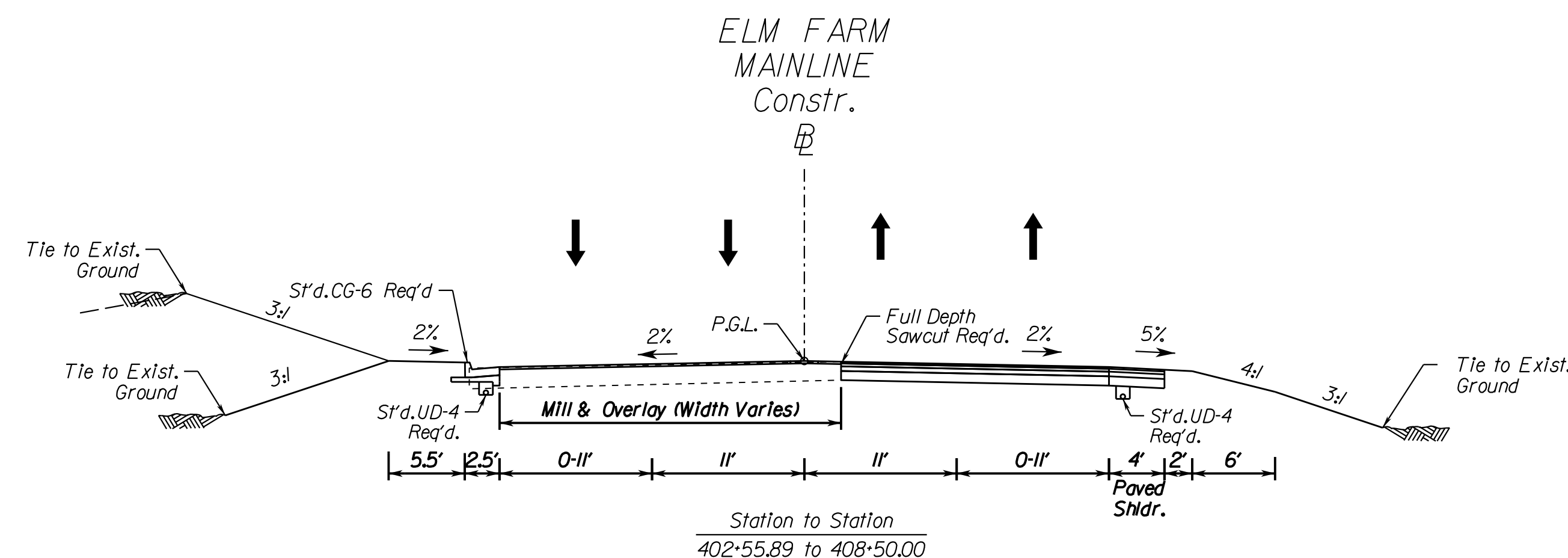
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Assoc., P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Typical Sections

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	2B(3)

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

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2B(3)
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PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: *Nicholas Kougoullis, Blotker Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guan, (Blotker Design Assoc., P.C.)*
SUBSURFACE UTILITY BY, DATE: *Brad Mackadich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021*

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE		STATE		SHEET NO.
	STATE	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201		2N

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

The information contained in the SWPPP 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.

XX 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.

XX 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:
- Neabsco Creek - impaired for recreational uses because of Escherichia Coli.
- Occoquan River - impaired for beneficial uses because of PCBs in fish tissue.
- Potomac River - impaired for beneficial uses because of PCBs in fish tissue.

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

XX 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).

X 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.

XX 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.

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

Revised 5/1/19

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2N
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PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: *Nicholas Kougoullis, Blotker Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guon (Blotker Design Assoc. P.C.)*
SUBSURFACE UTILITY BY, DATE: *Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021*

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	2N(1)

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

SECTION II EROSION AND SEDIMENT CONTROL

- XX 1. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with the current edition of Section 108.03 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.
- XX 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:
- Control the volume and velocity of stormwater runoff within the site to minimize erosion.
 - Control the peak flow rates, volume and velocity of stormwater discharges to minimize erosion at outlets and in downstream channels.
 - Minimize the amount of soil exposed.
 - Minimize the disturbance of steep slopes.
 - Minimize sediment discharge from the site.
 - Provide and maintain natural buffers around surface waters, direct stormwater runoff to vegetated areas and maximize stormwater infiltration, unless infeasible.
 - Minimize soil compaction (except in those areas where compaction is required by the contract documents) and preserve topsoil where feasible.

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

17. Soil stockpiles temporarily placed within the project area or on VDOT right of way or easement shall be identified, stabilized, and protected with sediment trapping measures.

18. A construction entrance or other approved measure shall be installed at all locations where construction vehicular traffic access routes intersect a paved or a public road in order to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or a public road surface, the road shall be cleaned thoroughly at the end of each work day by shoveling or sweeping. Removed sediment shall be disposed of in accordance with Section 106.04 of the R&B Specifications.

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

- Type of modification (Variance from ESC regulations, or Deviation from published guidance)
- Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
- 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 utilizes the Part IIB technical criteria (i.e., Runoff Reduction Method, Energy Balance Equation, etc.) in Section 9VAC25-870-62 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

- Type of modification (Variance, or Exception from SWM Regulations or Deviation from published guidance)
- Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
- 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.

ACRONYMS

CBPA - Chesapeake Bay Preservation Act	SWPPP - Stormwater Pollution Prevention Plan
BMP - Best Management Practice	TMDL - Total Maximum Daily Load
DEQ - Department of Environmental Quality	VDOT - Virginia Department of Transportation
EPA - U.S. Environmental Protection Agency	VPDES - Virginia Pollutant Discharge Elimination System
ESC - Erosion and Sediment Control	VSMP - Virginia Stormwater Management Program
IIM - Instructional and Informational Memorandum	VESCP - Virginia Erosion and Sediment Control Program
R&B - Road and Bridge	WLA - Waste Load Allocation
RLD - Responsible Land Disturber	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.

Revised 5/1/19

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2N(1)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGER: *BD*
SURVEYED BY, DATE: *Nicholas Kaugoull's, Blinker Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guon (Blinker Design Assoc., P.C.)*
SUBSURFACE UTILITY BY, DATE: *Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021*

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2N(2)

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

The information contained in the SWPPP 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

- The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are prohibited:
 - Wastewater from concrete washouts.
 - Wastewater from the washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials.
 - Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
 - Oils, toxic substances or hazardous substances from spills or other releases.
 - Soaps, solvents or detergents used in equipment and vehicle washing.
 - There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are allowed when discharged in compliance with the VPDES Construction Permit:
 - Discharges from firefighting activities.
 - Fire hydrant flushings.
 - 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.
 - Water used to control dust that has been filtered, settled or similarly treated prior to discharge.
 - Potable water sources including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
 - 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.
 - 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.
 - Uncontaminated air conditioning or compressor condensate.
 - Uncontaminated ground water or spring water.
 - Foundation or footing drains where flows are not contaminated with process materials such as solvents.
 - Uncontaminated excavation dewatering, including dewatering trenches and excavations that have been filtered, settled or similarly treated prior to discharge.
 - 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:

- Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
- 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.
- 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.
- Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practice or practices for each pollutant-generating activity.
- Describe the pollution prevention practices and procedures that will be implemented to:
 - Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107.16 of the VDOT Road and Bridge Specifications and the requirements within the VPDES Construction Permit.

- Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
- Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
- Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
- Direct concrete wash water into a 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.
- Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
- Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
- Address any other discharge from any potential pollutant-generating activity not listed herein.
- Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
- Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.

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

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

Revised 5/1/19

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2N(2)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, (Blinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

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 (construction) activities that disturb an area equal to or greater than 10,000 square feet, 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 VI - PERMANENT BMP INFORMATION Δ

* 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)		VA 6th Order HUC (7)	Receiving Water (2)	Name of Impaired Water (9)	Acres Treated Per BMP (3)			* BMP Maintenance ID Number (10)	BMP Maintenance Manual (11)	BMP Inspection Manual (11)
				LAT	LONG				Impervious	Pervious	TOTAL			

ALTERNATIVE BMP INFORMATION

Plan Sheet(s)	Date	Type of BMP Installed (See Table B)	Geographic Location (County or City) (5)	Latitude/Longitude (1) (5)		VA 6th Order HUC (5) (7)	Receiving Water (2)	Name of Impaired Water (9)	Perpetual Nutrient Credits Acquired for Project	
				LAT	LONG				Name of Nutrient Credit Generating Entity (6)	Nutrient Credits (lbs./TP./year) Acquired (6) (12)
										2.30

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

- In decimal degrees to the nearest one ten-thousandth of a degree.
- For streams with no names, list "(Unnamed Tributary to downstream name)".
- Show acres treated to the nearest one hundredths acre.
- Include agreements with off-site BMP owners.
- Information pertains to the alternative BMP option location, where applicable. Exception - Not required for nutrient credit purchase option.
- Applies to the purchase of nutrient credits only.
- Virginia 6th Order HUC (VAHU6) Example - Y030.
- Final approved shop drawings of Manufactured Treatment Devices (MTDs) are to be included with the BMP information submitted with the LD-445D form.
- 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.
- 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

- 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 Infiltration BMP.
- Nutrient credits purchased to the nearest one hundredth pound.

Revised 5/1/19

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 2N(3)
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PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

GPIN 8292-04-3728
INSTR *201505190038629
34.6396 Acres

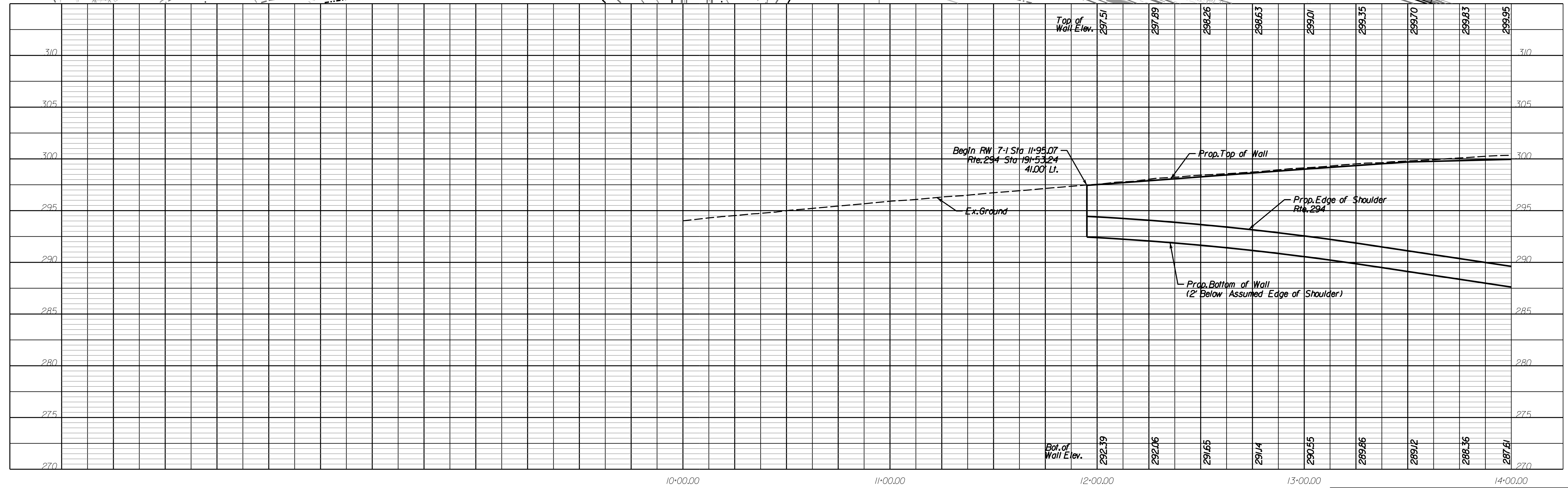
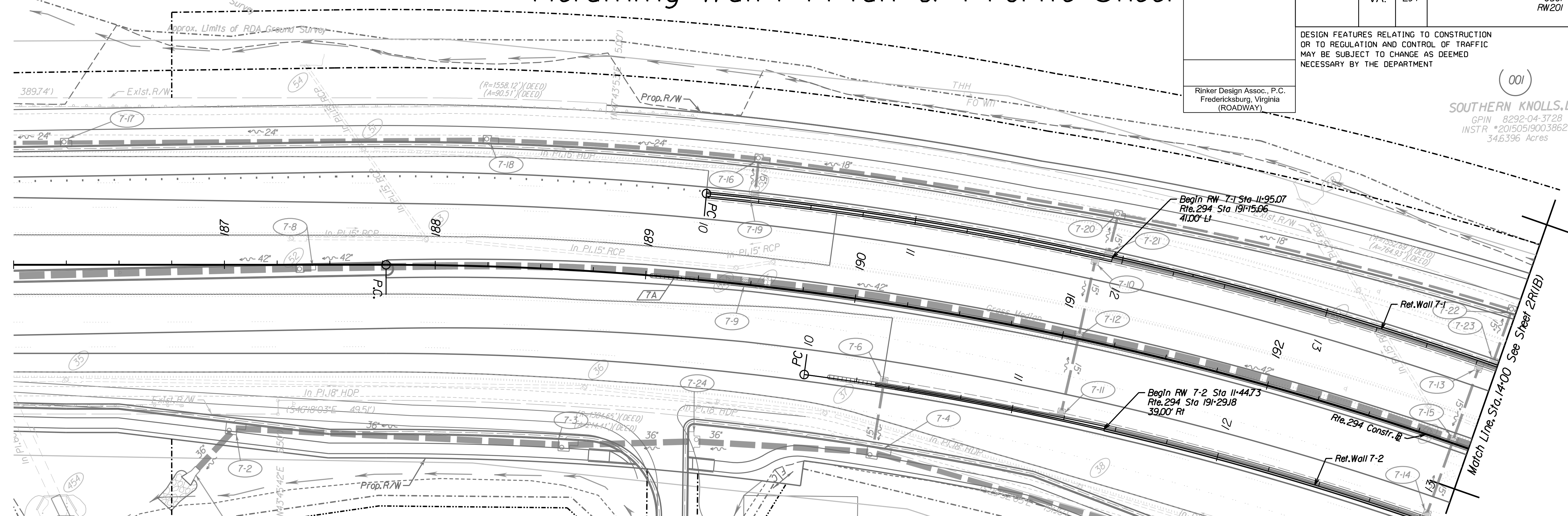
Retaining Wall 7-1 Plan & Profile Sheet

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2R(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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)

(001)
SOUTHERN KNOLLS, LLC
GPIN 8292-04-3728
INSTR *201505190038629
34.6396 Acres



SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO.	SHEET NO.
	0 10' 25'	0 1 2	0294-076-xxx	2R(1A)

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PH PLANS

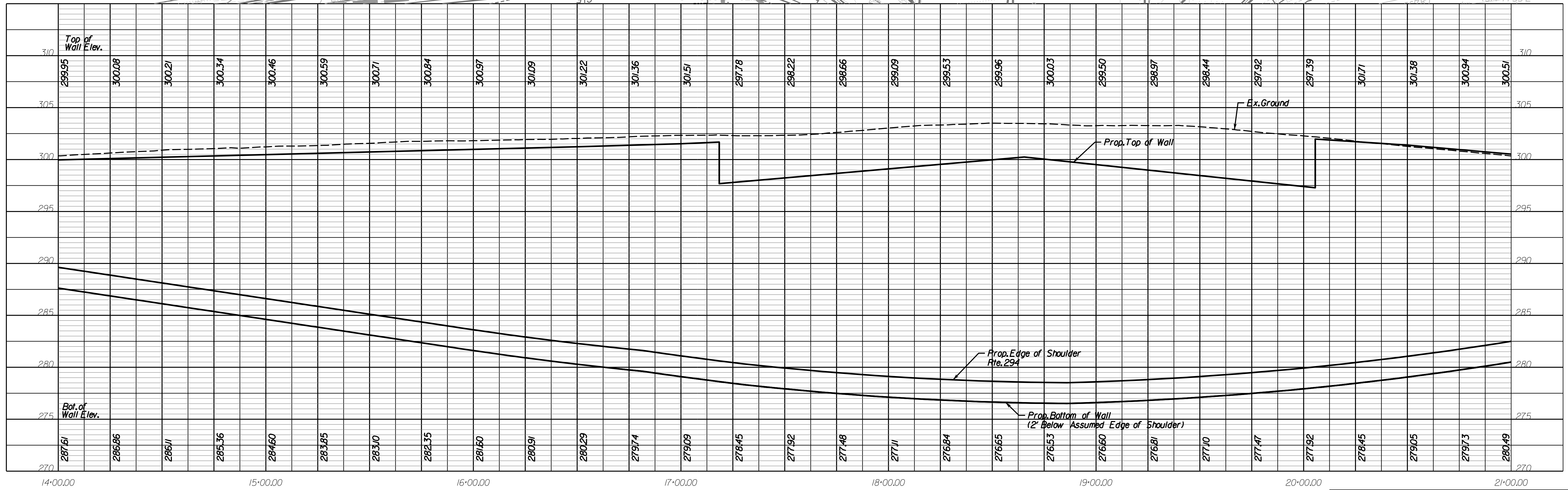
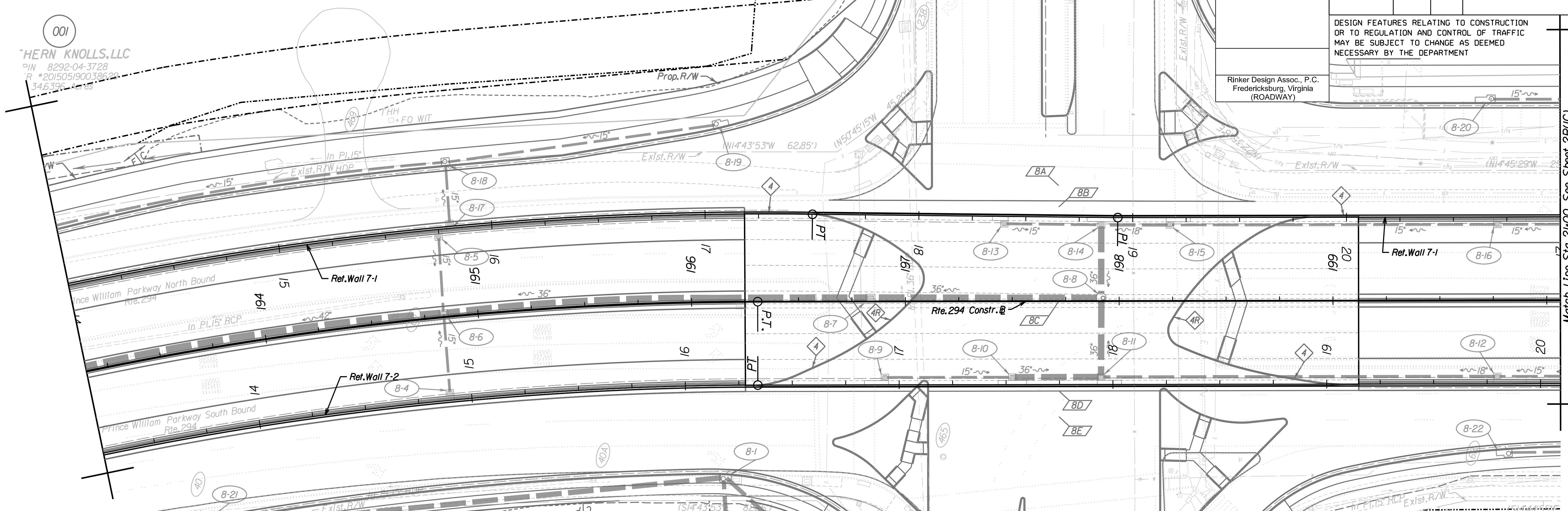
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Retaining Wall 7-1 Plan & Profile Sheet

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2R(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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO.	SHEET NO.
	0 10' 25'	0 1 2	0294-076-xxx	2R(1B)

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PH PLANS

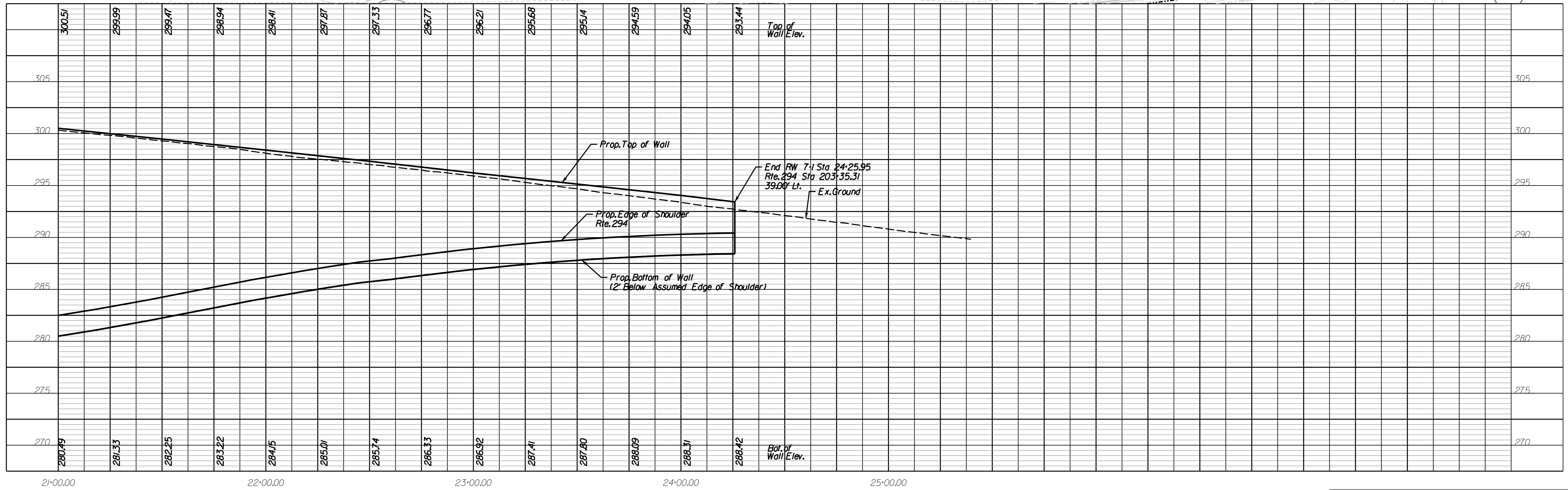
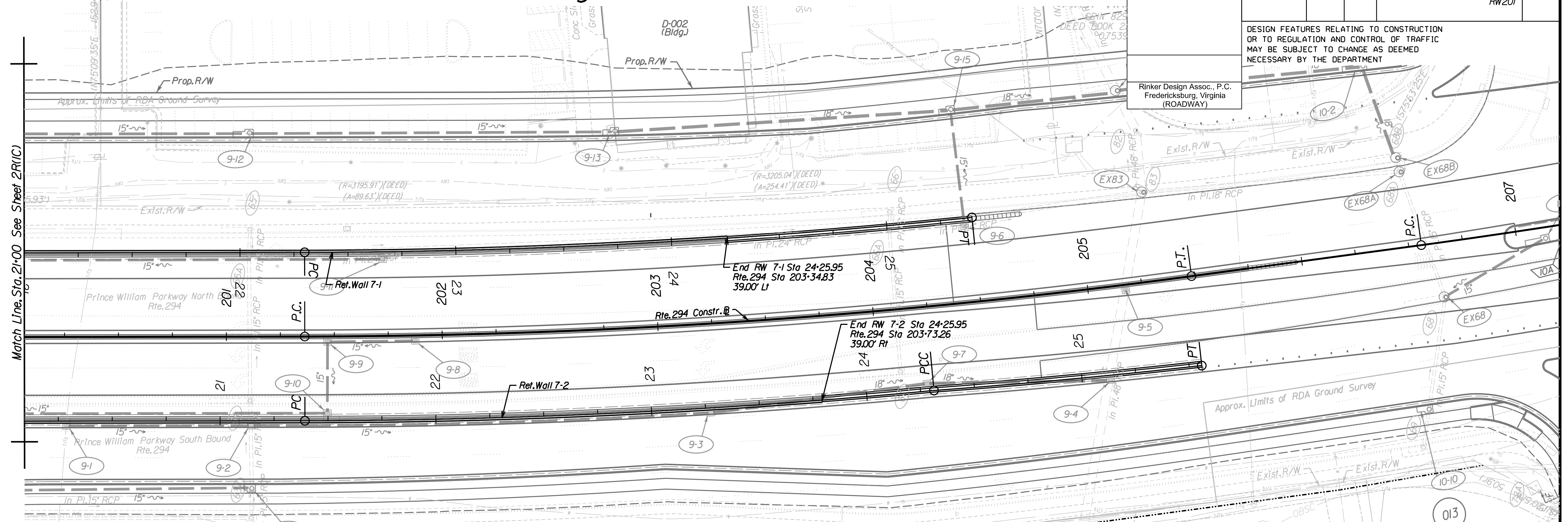
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kouyoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guan, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Retaining Wall 7-1 Plan & Profile Sheet

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2R(1C)

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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO.	SHEET NO.
	0 10' 25'	0 1 2	0294-076-xxx	2R(1C)

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

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

PH PLANS

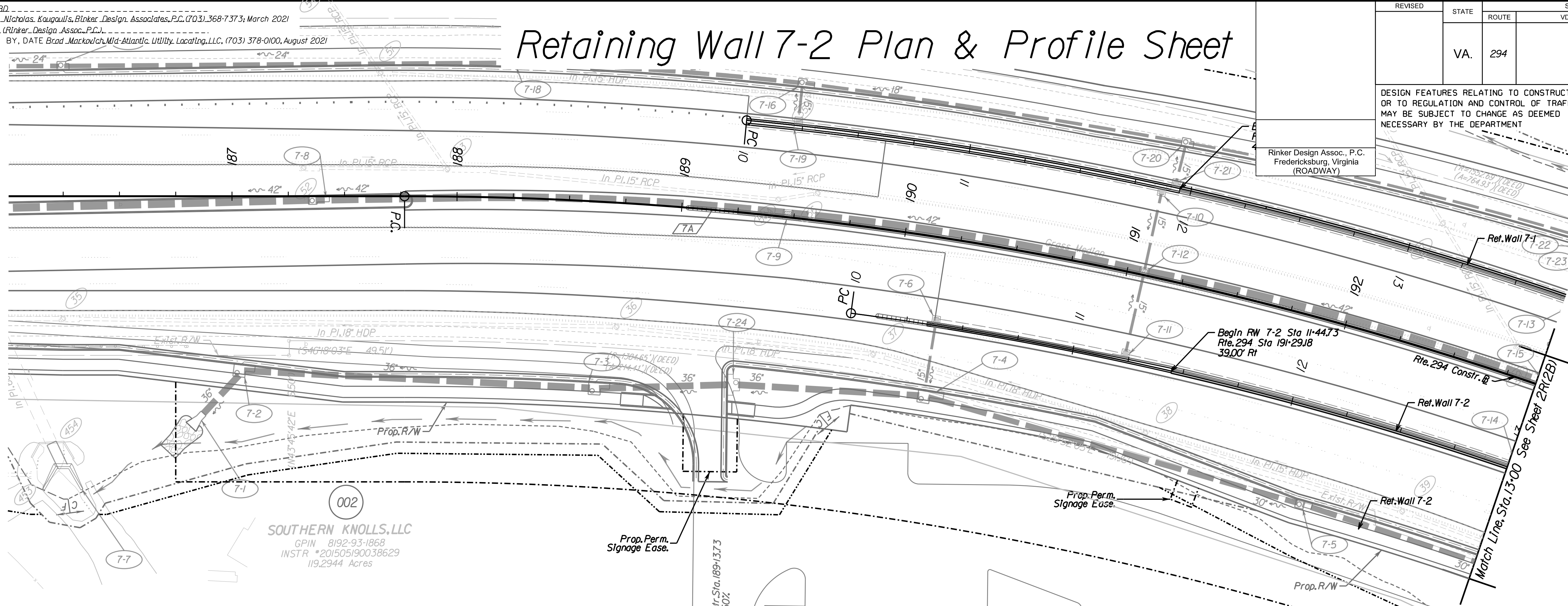
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Retaining Wall 7-2 Plan & Profile Sheet

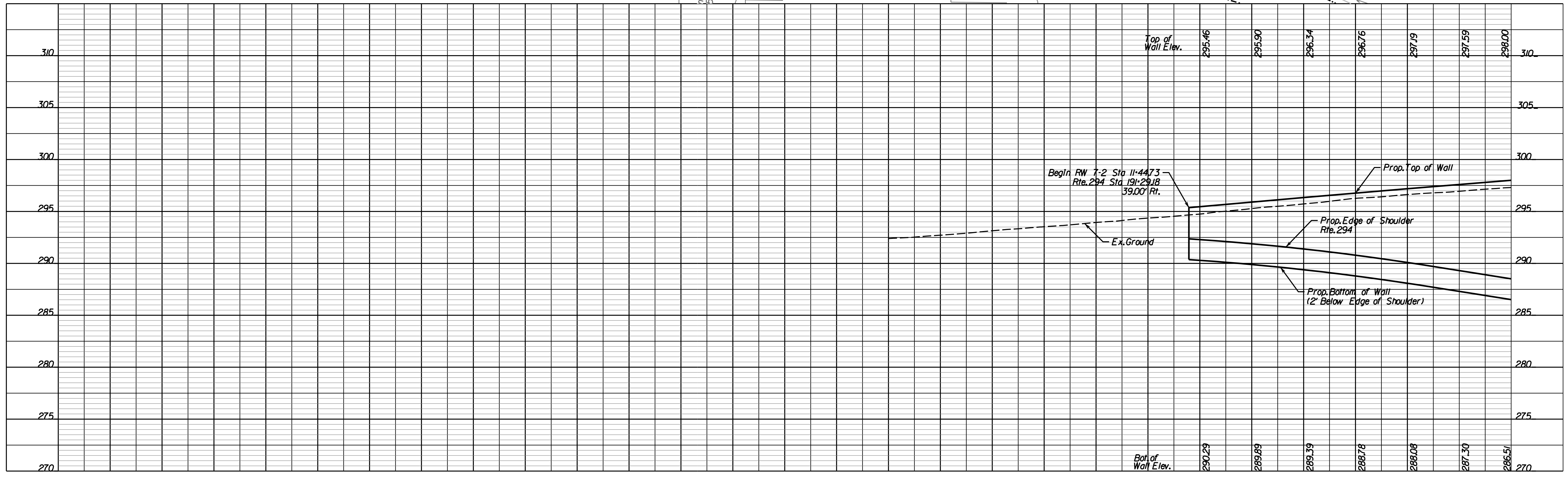
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2R1(2A)

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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



SOUTHERN KNOLLS, LLC
GPIN: 8192-93-1868
INSTR: *201505190038629
119.2944 Acres



SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO.	SHEET NO.
	0 10' 25'	0 1 2	0294-076-xxx	2R1(2A)

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

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

PH PLANS

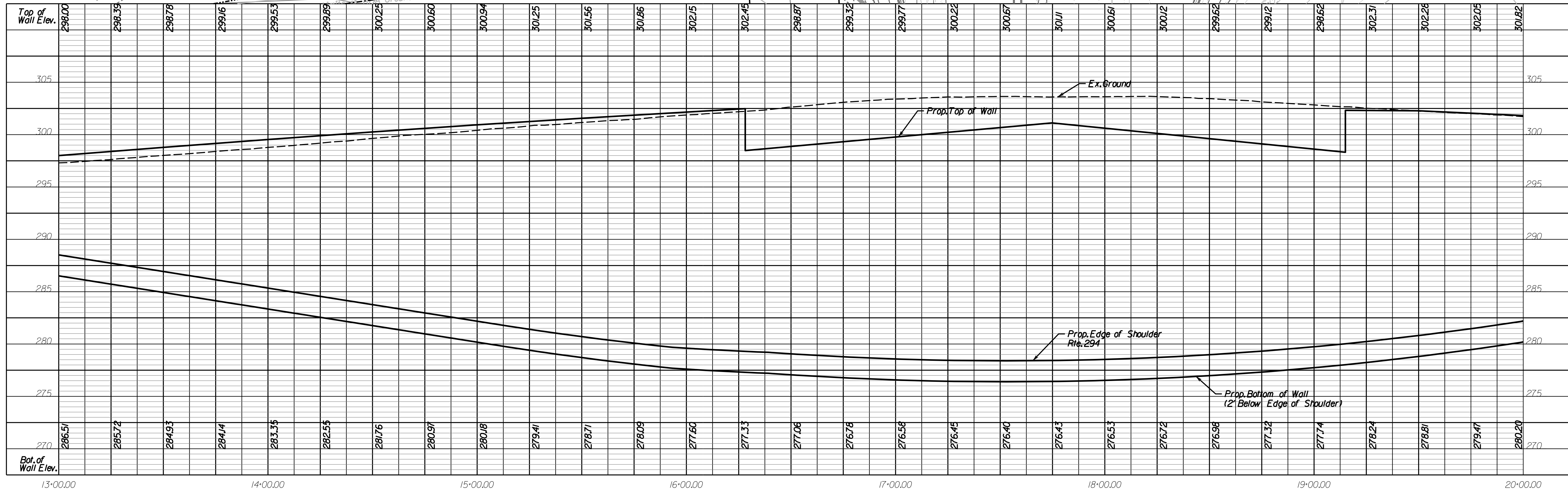
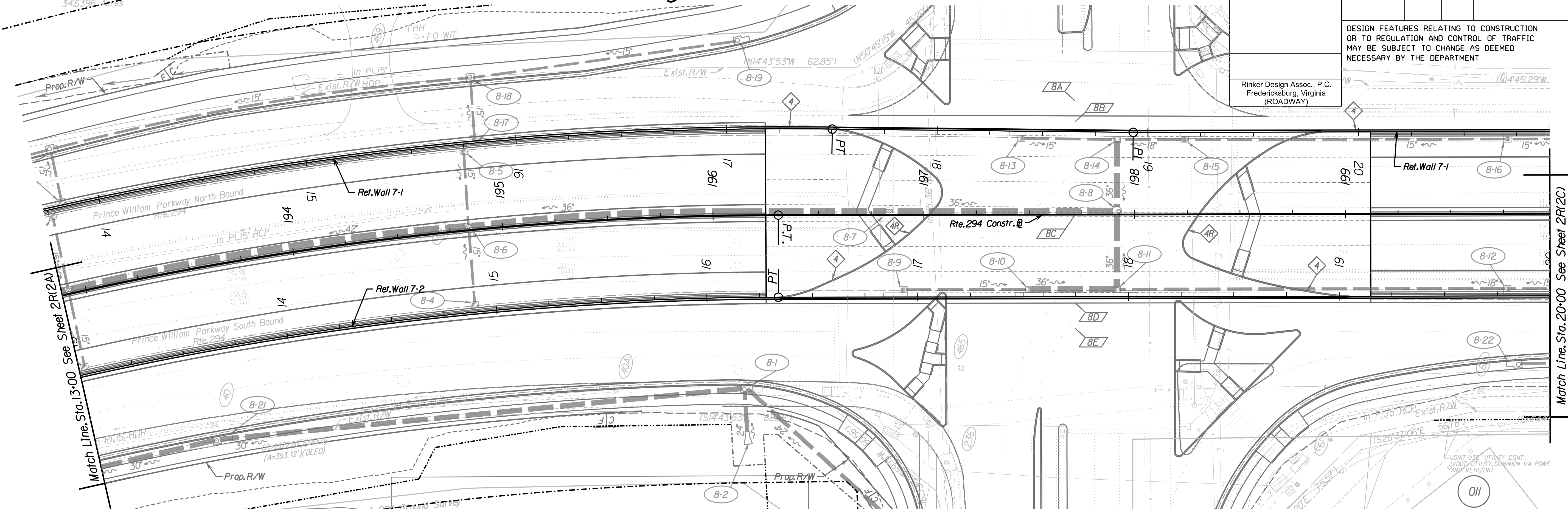
PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Gun, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021
INSTR # 20150519003365 23 346398

Retaining Wall 7-2 Plan & Profile Sheet

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2R(2B)

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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



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

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

PH PLANS

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO.	SHEET NO.
			0294-076-xxx	2R(2B)

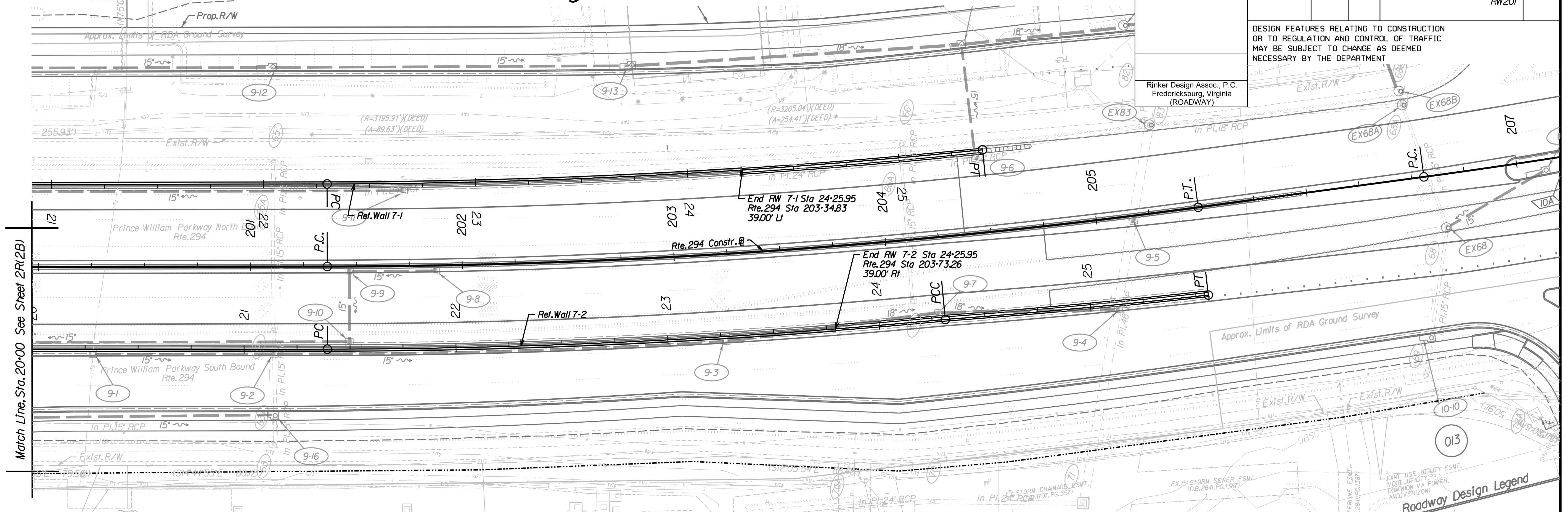
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, (Binker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Retaining Wall 7-2 Plan & Profile Sheet

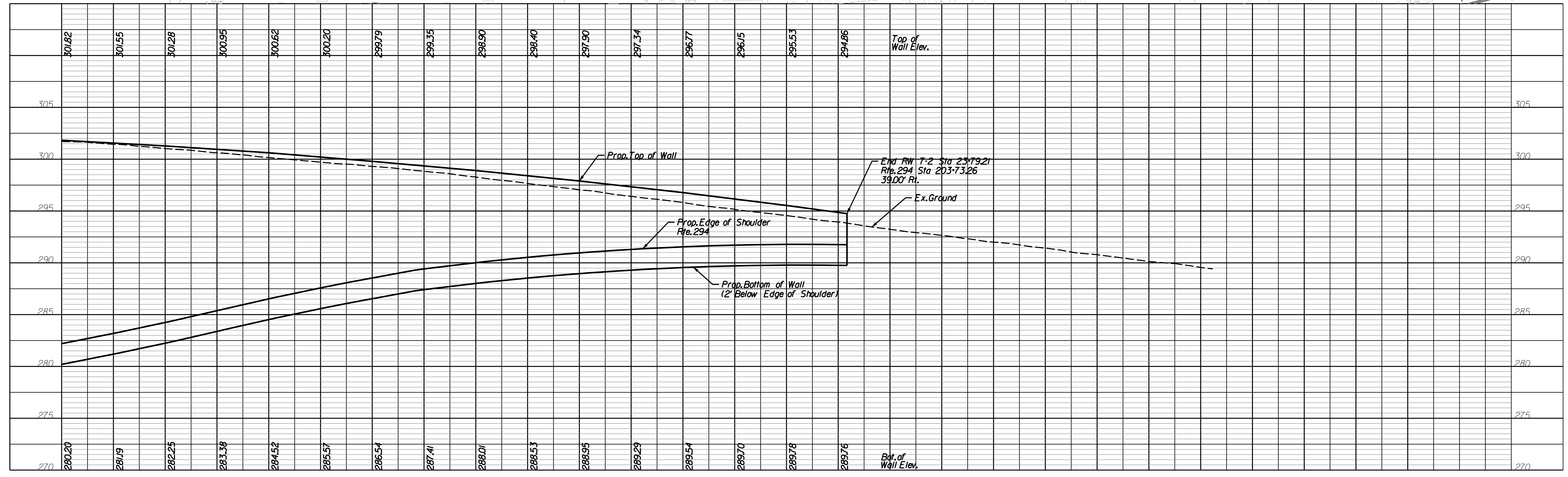
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	2R1(2C)

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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



Match Line, Sta. 20+00 See Sheet 2R1(2B)



SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO.	SHEET NO.
	0 10' 25'	0 1 2	0294-076-xxx	2R1(2C)

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

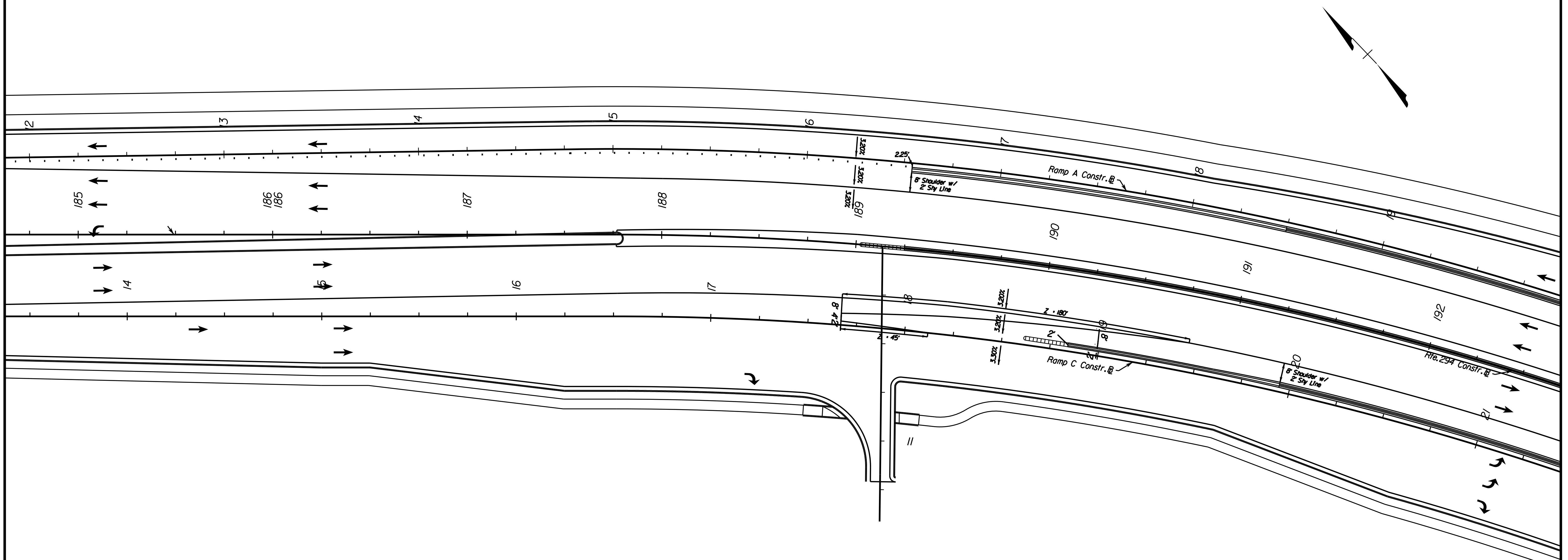
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Ramp A and Ramp C Gore Details

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	25(10)
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 Assoc., P.C. Fredericksburg, Virginia (ROADWAY)				



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

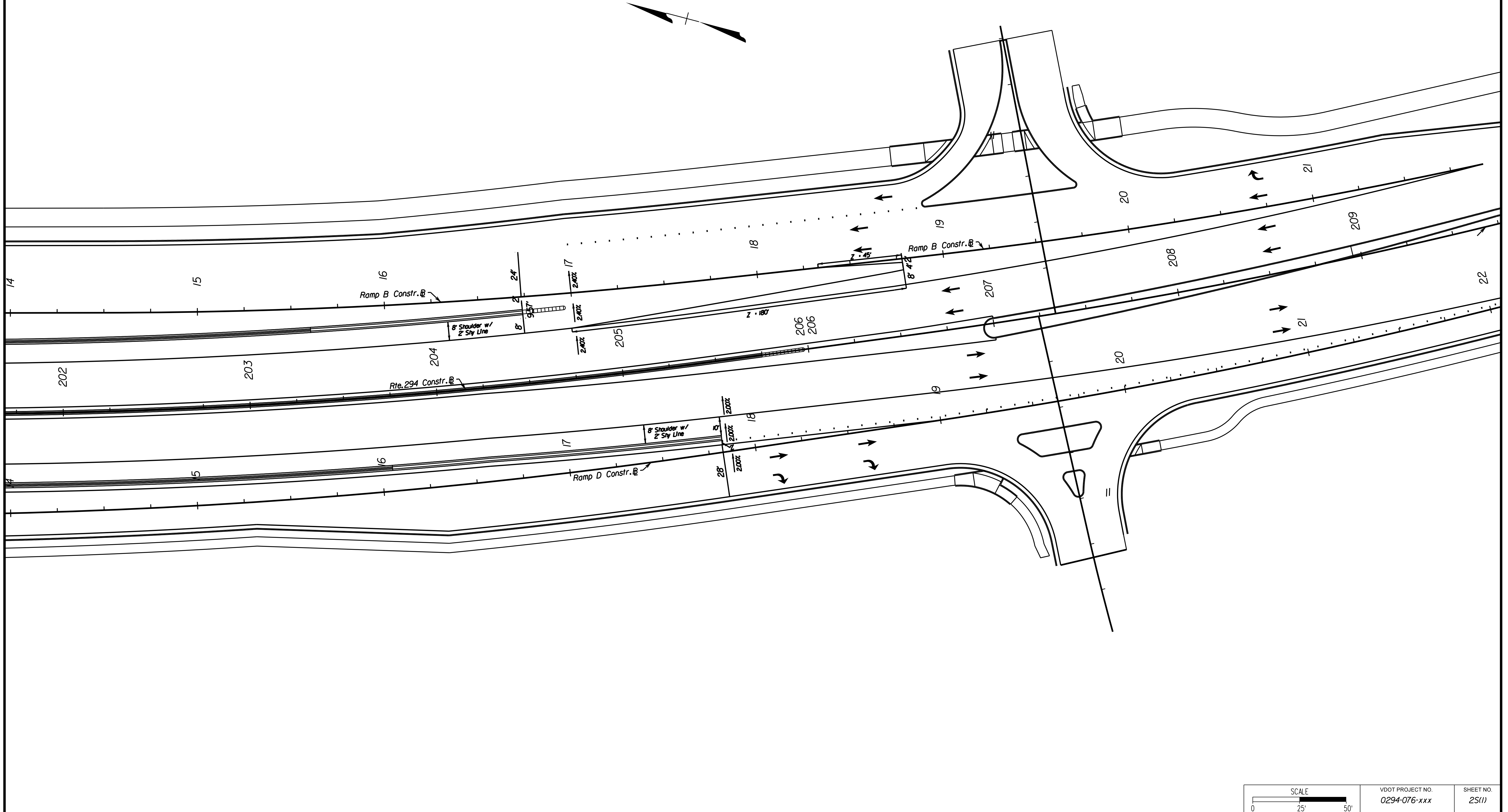
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Ramp B and Ramp D Gore Details

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	25(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 Assoc., P.C. Fredericksburg, Virginia (ROADWAY)					



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

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

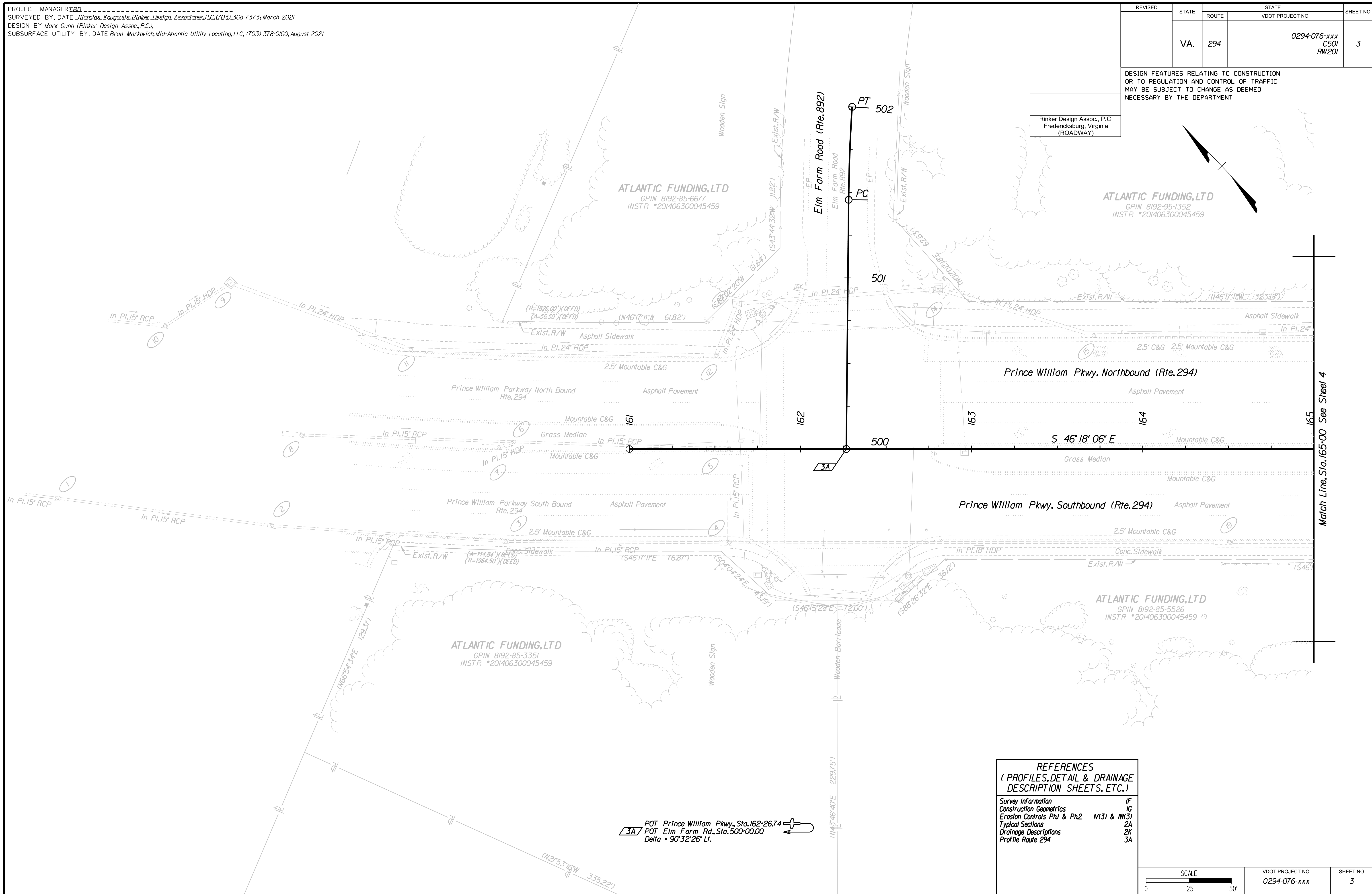
PH PLANS

PROJECT MANAGER: B.D.
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	3

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

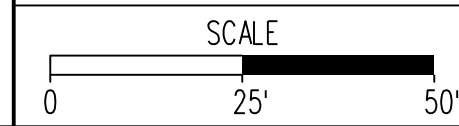
Rinker Design Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)



3A POT Prince William Pkwy, Sta. 162+26.74
 POT Elm Farm Rd, Sta. 500+00.00
 Delta = 90°32'26" Lt.

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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	M(3) & M(3)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	3A



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	3

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

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

PH PLANS

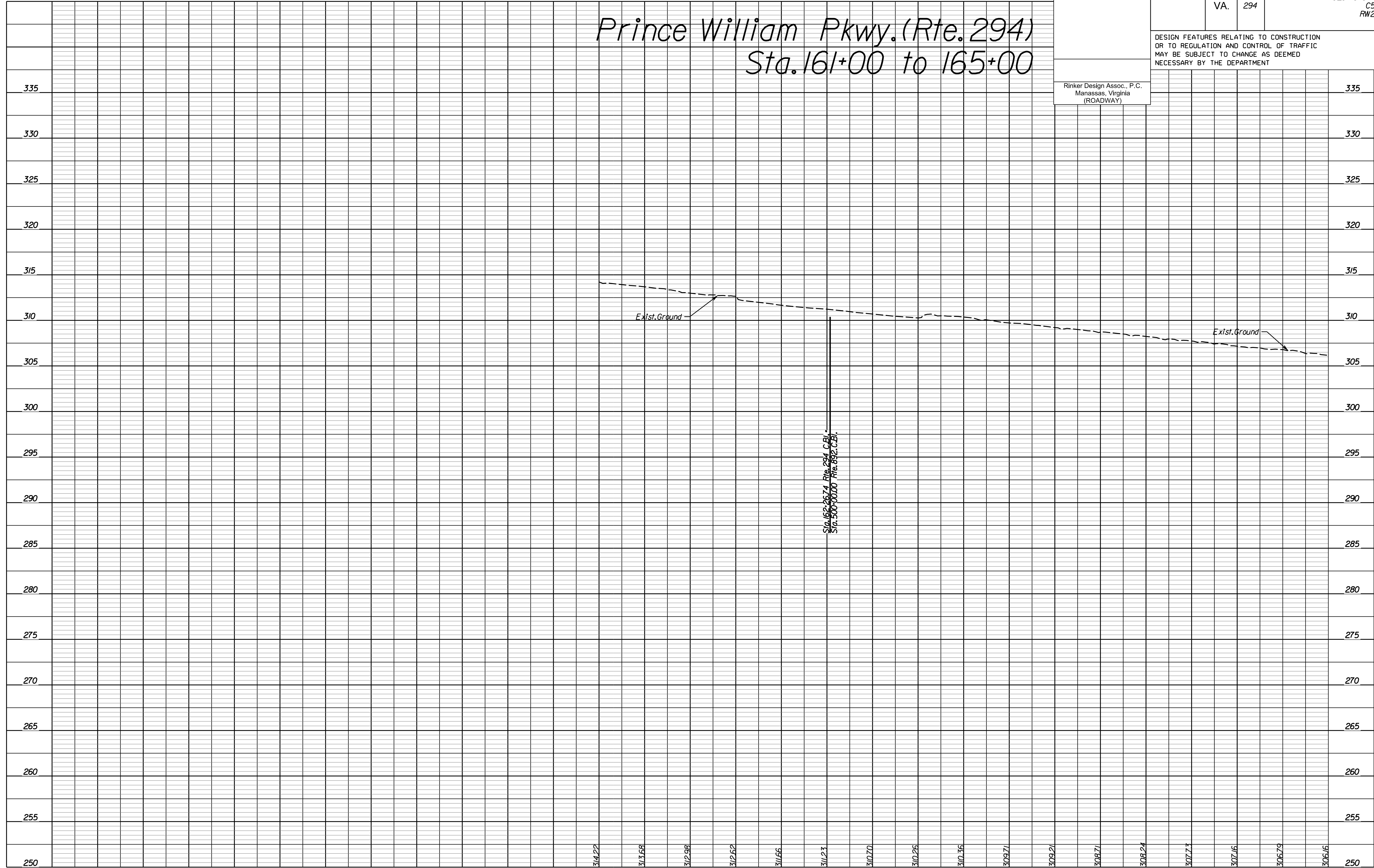
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	3A

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

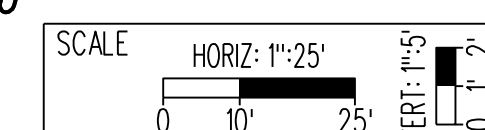
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 161+00 to 165+00



NOVA DISTRICT

4/13/2023



165+00.00
VDOT PROJECT NO.
0621-076-310

SHEET NO.
3A

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

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

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	4

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

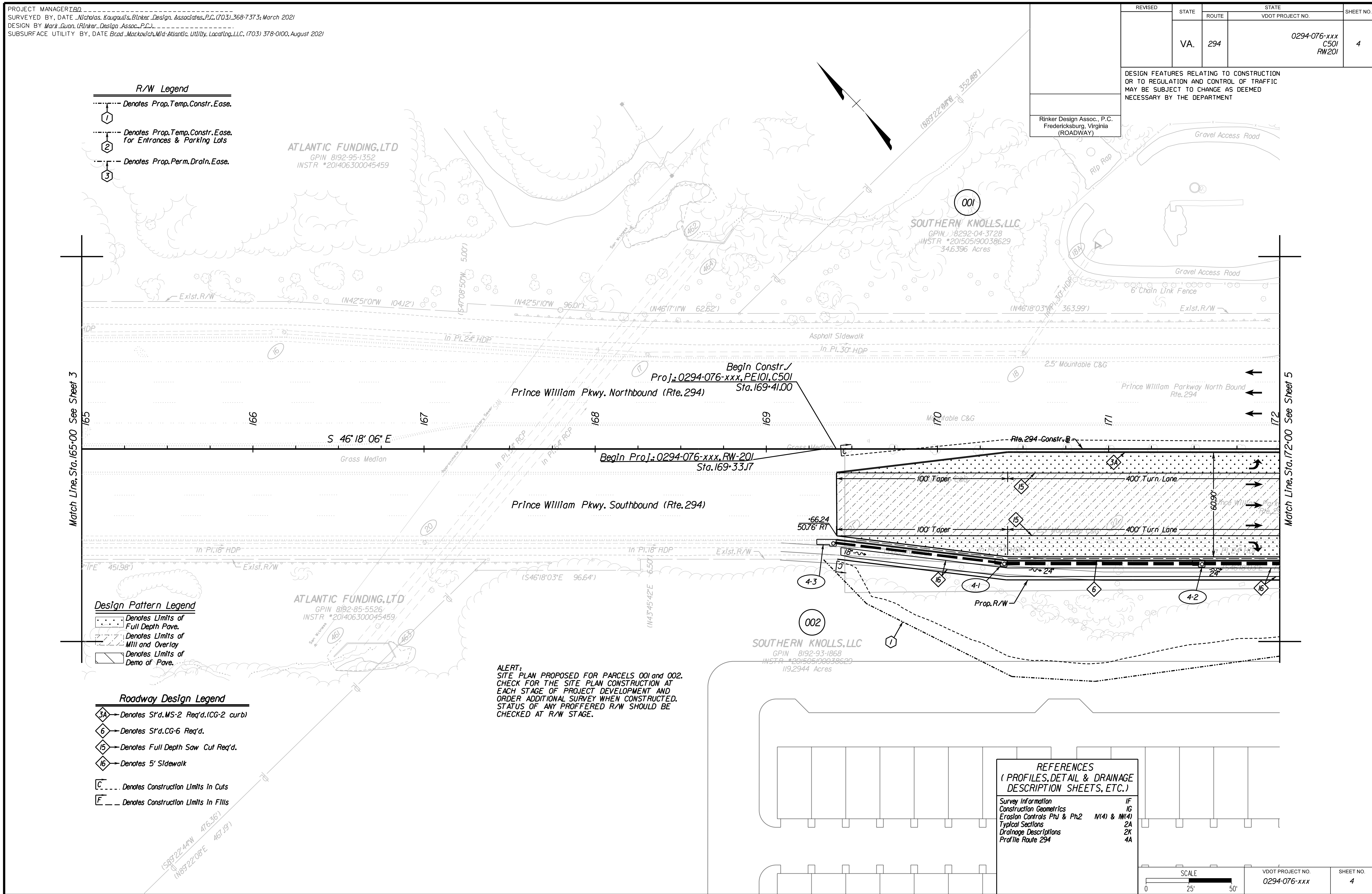
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)

- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
 - ① Denotes Prop. Temp. Constr. Ease for Entrances & Parking Lots
 - ② Denotes Prop. Perm. Drain. Ease.

- Design Pattern Legend**
- Denotes Limits of Full Depth Pave.
 - ▨ Denotes Limits of Mill and Overlay
 - ▧ Denotes Limits of Demo of Pave.

- Roadway Design Legend**
- ③A Denotes S1'd. MS-2 Req'd. (CG-2 curb)
 - ⑥ Denotes S1'd. CG-6 Req'd.
 - ⑮ Denotes Full Depth Saw Cut Req'd.
 - ⑯ Denotes 5' Sidewalk
 - C --- Denotes Construction Limits in Cuts
 - E --- Denotes Construction Limits in Fills

ALERT:
SITE PLAN PROPOSED FOR PARCELS 001 and 002. CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.



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

Survey Information	IF
Construction Geometrics	IG
Erosion Controls Ph1 & Ph2	N(4) & N(4)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	4A

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 4
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

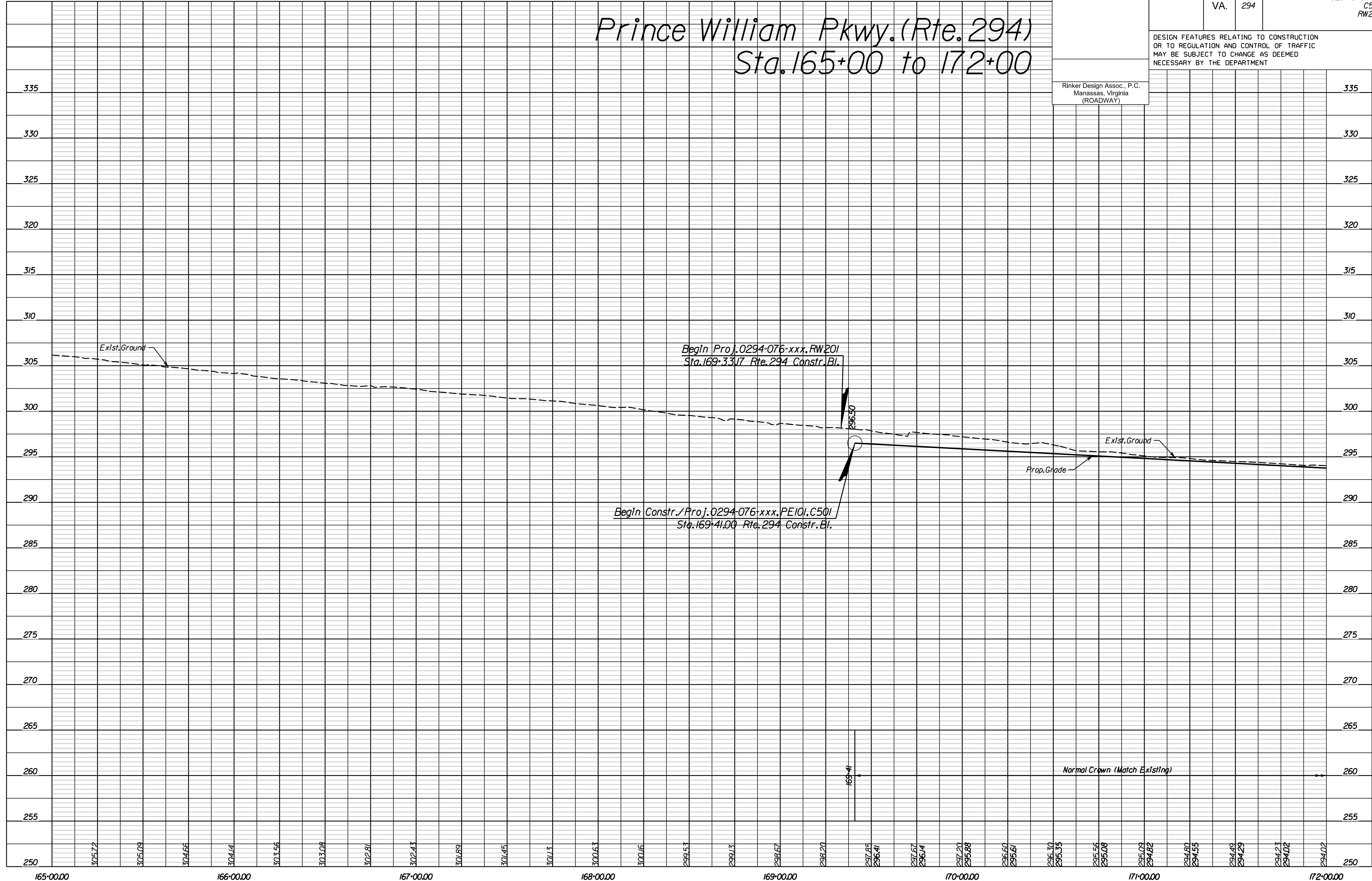
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 165+00 to 172+00



NOVA DISTRICT

4/13/2023

SCALE
HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO.
0621-076-310

SHEET NO.
4A

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

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

PH PLANS

PROJECT MANAGER: B.D.
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Rinker Design Assoc., P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	5

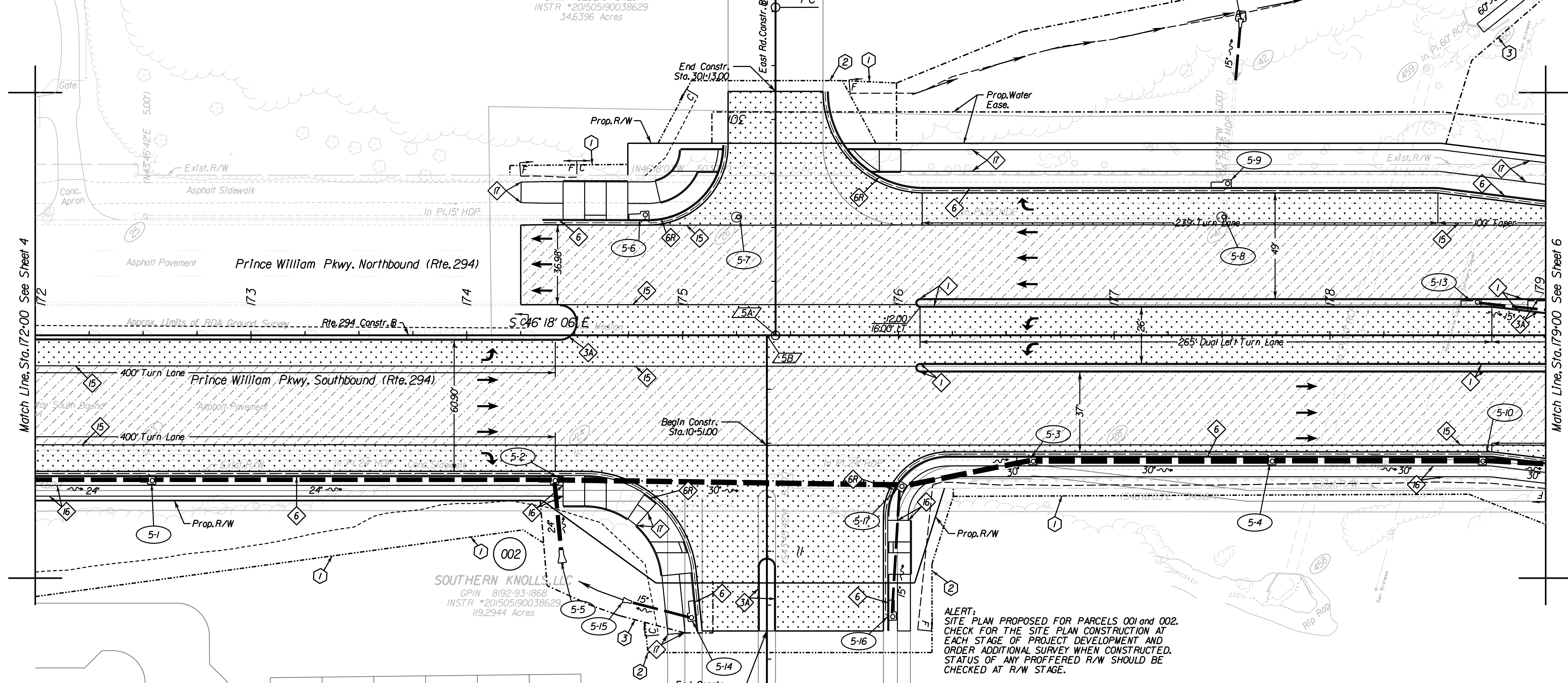
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)

- 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.

ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

SOUTHERN KNOLLS, LLC
 GPIN 8292-04-3728
 INSTR *201505190038629
 34.6396 Acres

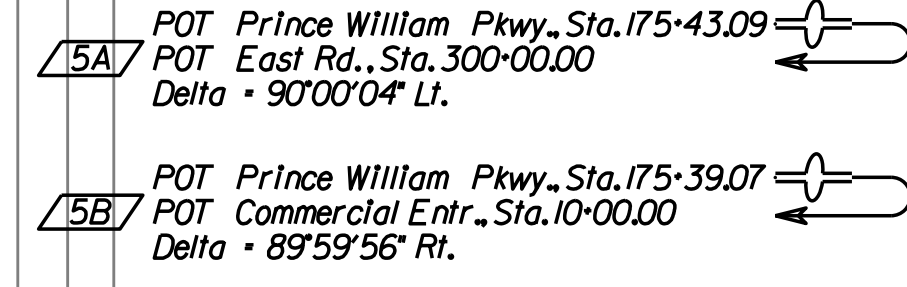


- Roadway Design Legend**
- ① --- Denotes S'd. MS-1 Req'd. (CG-2 curb)
 - ③A --- Denotes S'd. MS-2 Req'd. (CG-2 curb)
 - ⑥ --- Denotes S'd. CG-6 Req'd.
 - ⑥R --- Denotes S'd. Radial CG-6 Req'd.
 - ⑮ --- Denotes Full Depth Saw Cut Req'd.
 - ⑮ --- Denotes 5' Sidewalk
 - ⑰ --- Denotes 10' Shared Use Path
- Design Pattern Legend**
- Denotes Limits of Full Depth Pave.
 - Denotes Limits of Mill and Overlay
 - Denotes Limits of Demo of Pave.
 - C --- Denotes Construction Limits In Cuts
 - F --- Denotes Construction Limits In Fills

ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	N1S) & N1S)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	5A



SCALE 0 25' 50'

VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	5

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

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

PH PLANS

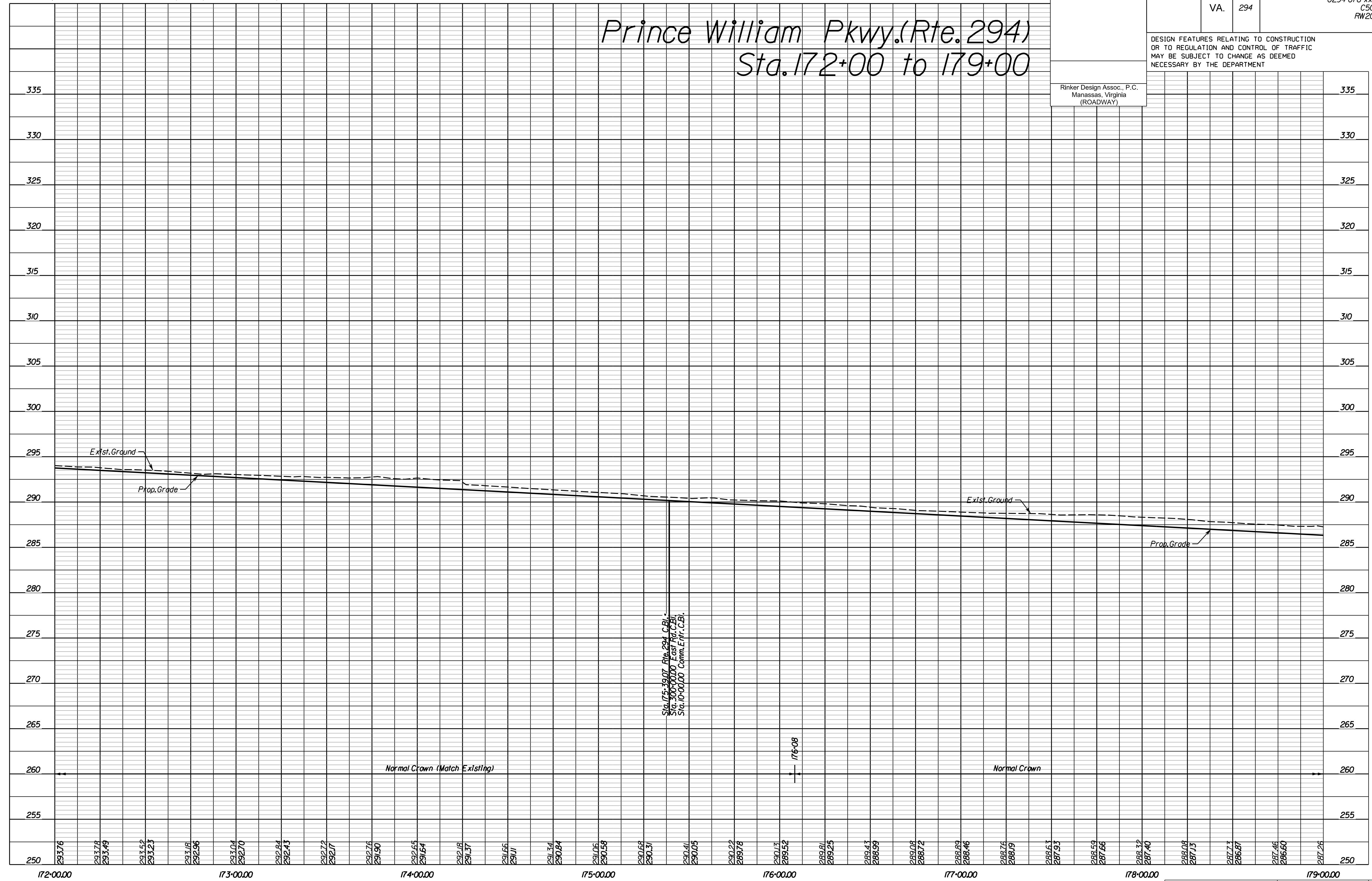
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	5A

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 172+00 to 179+00



NOVA DISTRICT

4/13/2023

SCALE: HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO. 0621-076-310

SHEET NO. 5A

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

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

PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)

- R/W Legend**
- ① Denotes Prop. Temp. Constr. Easement
 - ② Denotes Prop. Temp. Constr. Easement for Entrances & Parking Lots
 - ③ Denotes Prop. Perm. Drain. Easement

Wet Pond Level II
 (By Others)

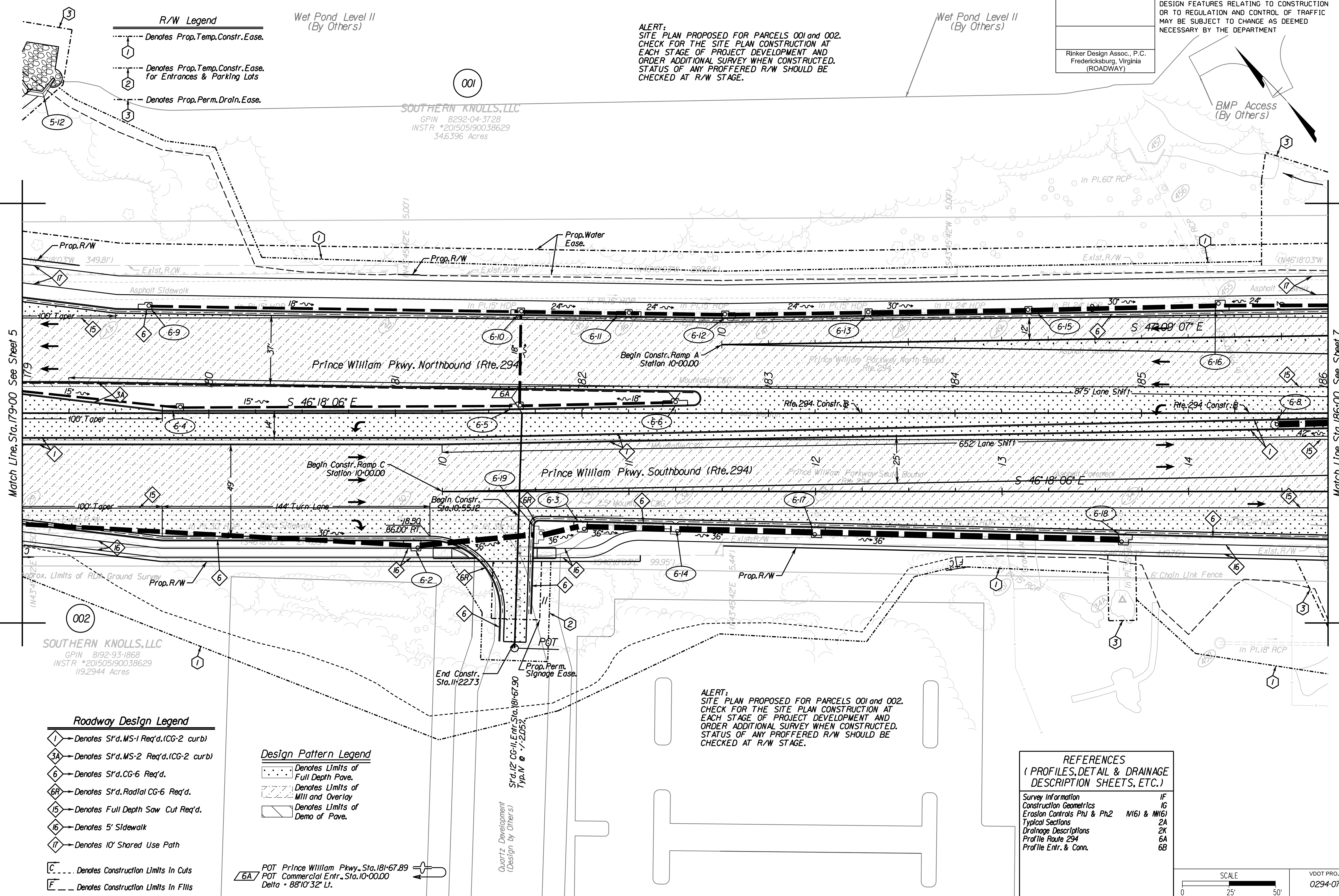
ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

Wet Pond Level II
 (By Others)

BMP Access
 (By Others)

SOUTHERN KNOLLS, LLC
 GPIN 8292-04-3728
 INSTR *201505190038629
 34.6396 Acres

SOUTHERN KNOLLS, LLC
 GPIN 8192-93-1868
 INSTR *201505190038629
 119.2944 Acres

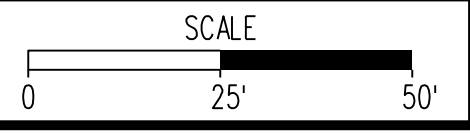


- Roadway Design Legend**
- ① Denotes S'd. MS-1 Req'd. (CG-2 curb)
 - ③A Denotes S'd. MS-2 Req'd. (CG-2 curb)
 - ⑥ Denotes S'd. CG-6 Req'd.
 - ⑥R Denotes S'd. Radial CG-6 Req'd.
 - ⑬ Denotes Full Depth Saw Cut Req'd.
 - ⑬ Denotes 5' Sidewalk
 - ⑰ Denotes 10' Shared Use Path
 - C --- Denotes Construction Limits in Cuts
 - F --- Denotes Construction Limits in Fills
- Design Pattern Legend**
- ▨ Denotes Limits of Full Depth Pave.
 - ▨ Denotes Limits of Mill and Overlay
 - ▨ Denotes Limits of Demo of Pave.
- POT Prince William Pkwy., Sta. 181+67.89**
POT Commercial Entr., Sta. 10+00.00
 Delta = 88°10'32" Lt.

ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	N16) & N16)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	6A
Profile Entr. & Conn.	6B



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	6

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

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

PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	6A

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 179+00 to 186+00



NOVA DISTRICT

4/13/2023

SCALE: HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO. 0621-076-310

SHEET NO. 6A

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

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

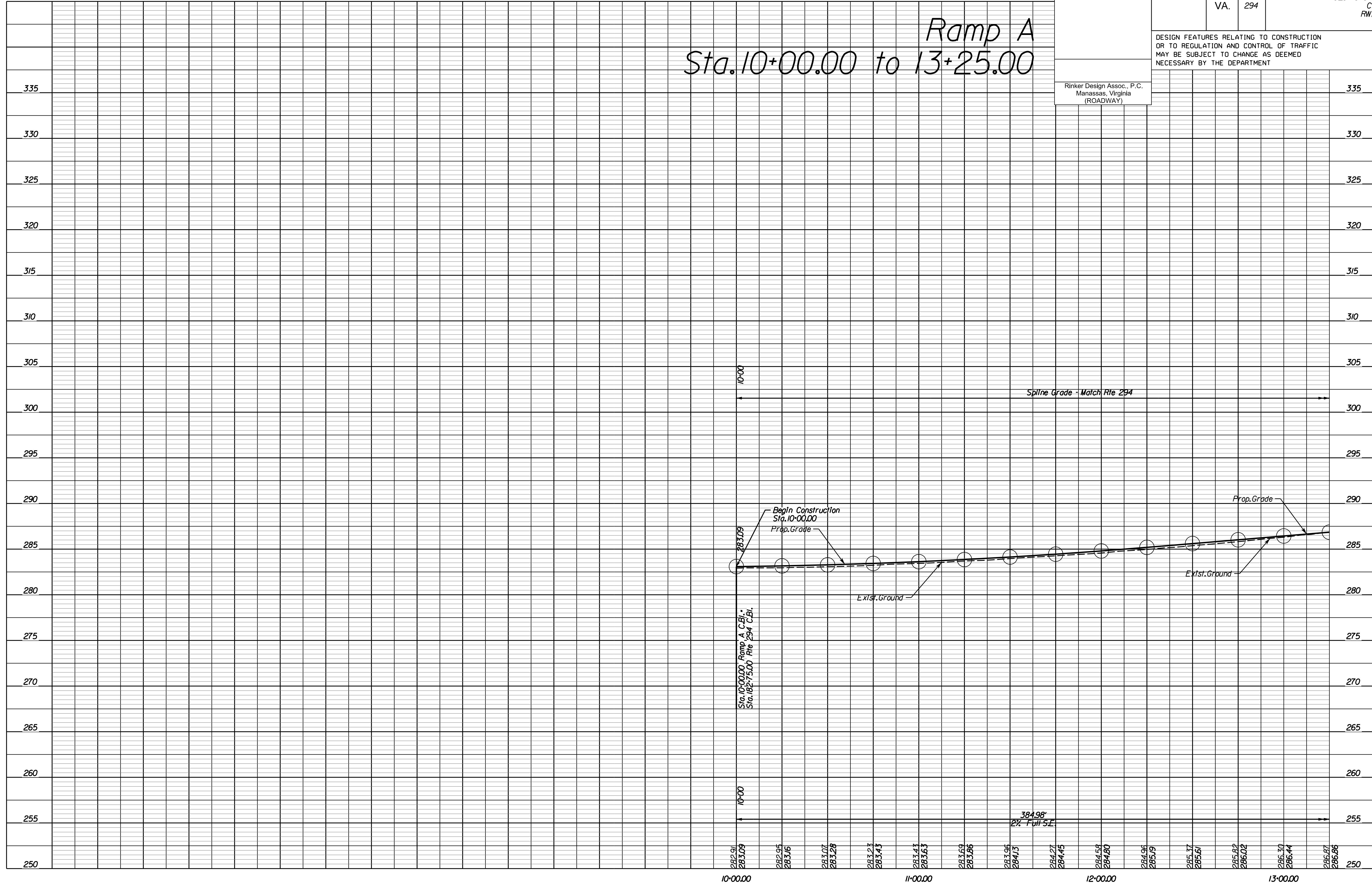
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	6B

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

335
330
325
320
315
310
305
300
295
290
285
280
275
270
265
260
255
250

Ramp A
Sta. 10+00.00 to 13+25.00



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 6B
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	6C

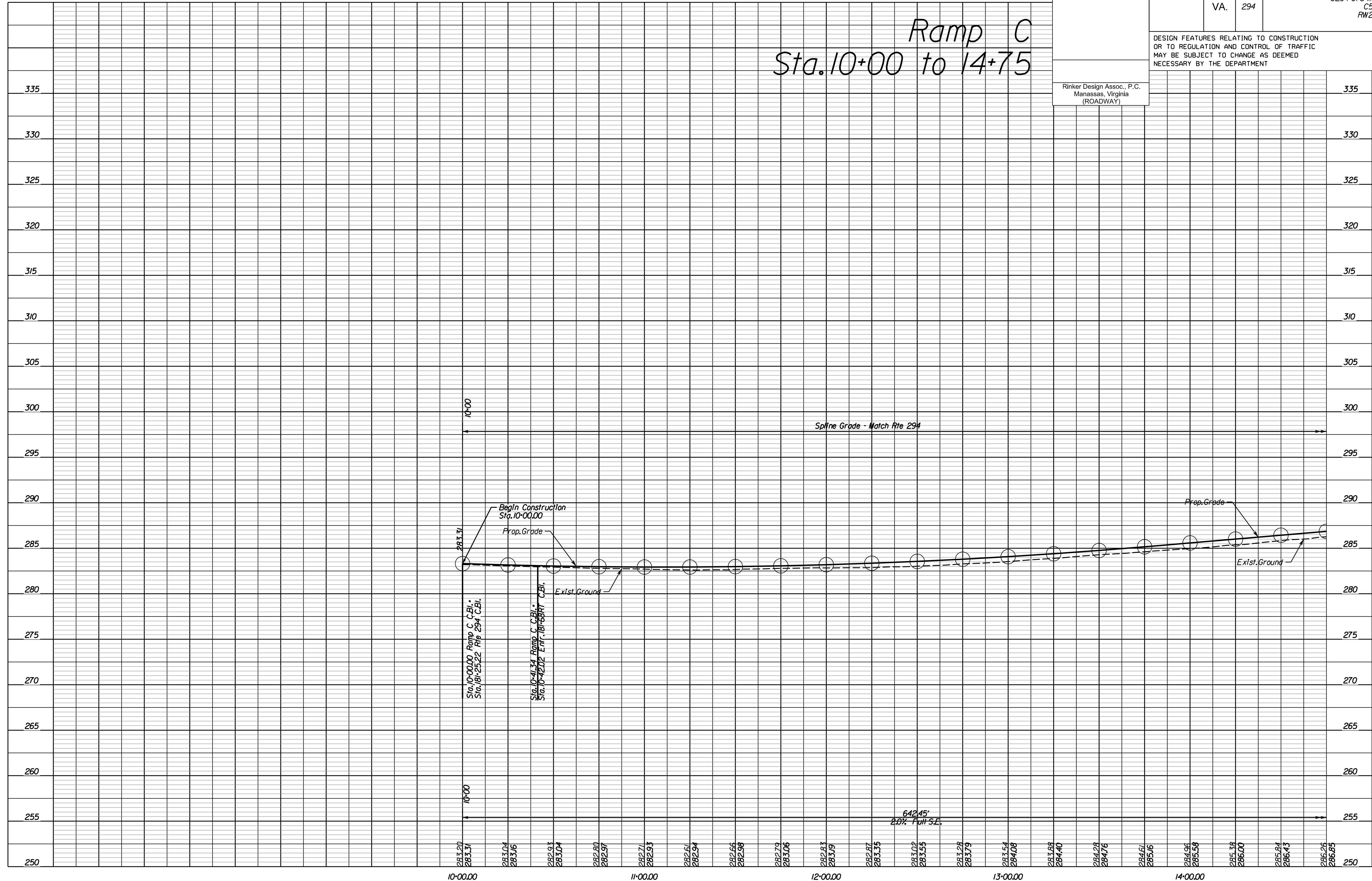
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

335	335
330	330
325	325
320	320
315	315
310	310
305	305
300	300
295	295
290	290
285	285
280	280
275	275
270	270
265	265
260	260
255	255
250	250

Ramp C
Sta. 10+00 to 14+75

NOVA DISTRICT



4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 6C
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

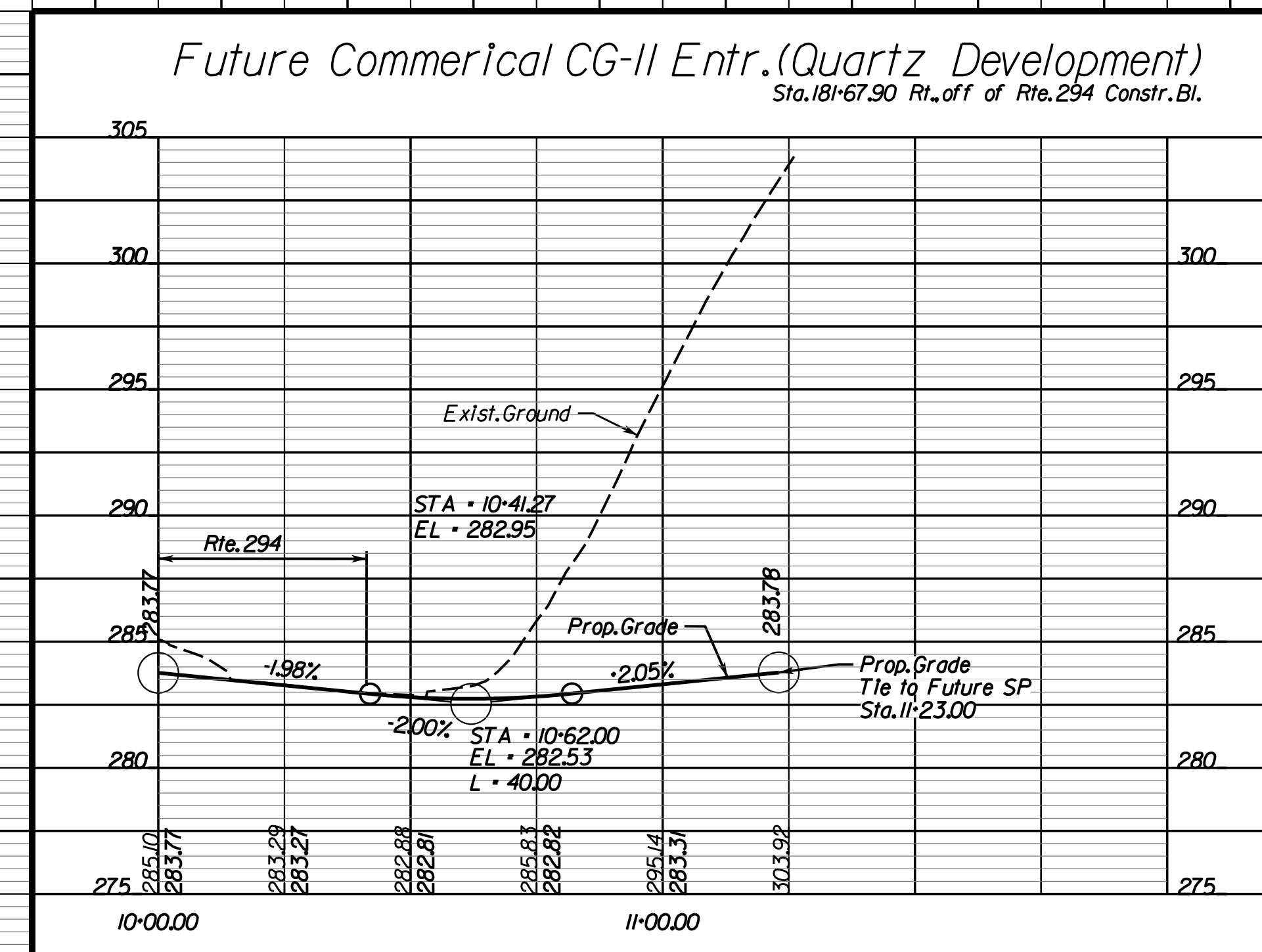
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	6D

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

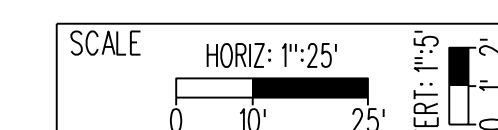
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Entrance Profiles



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
6D

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

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PH PLANS

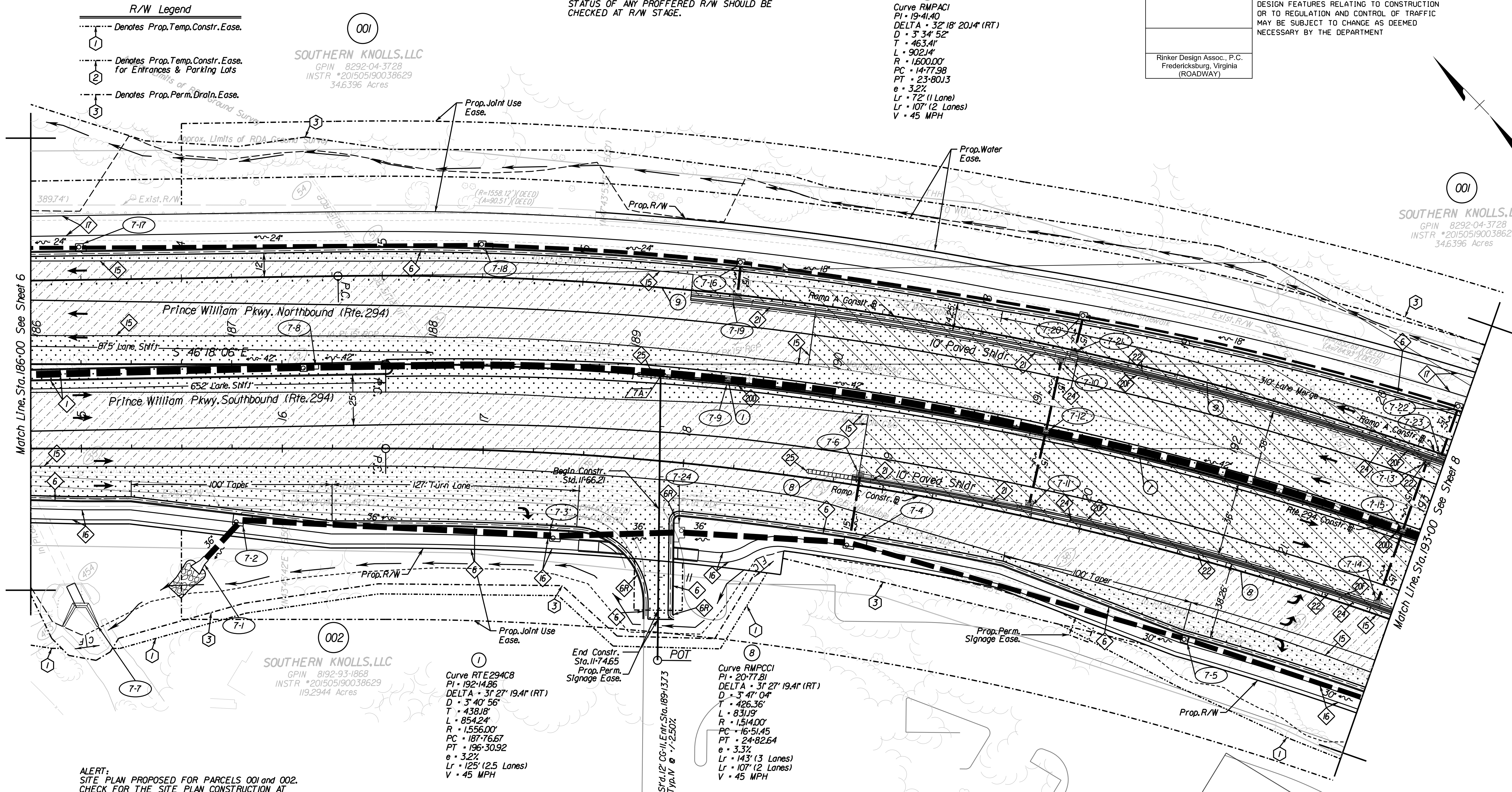
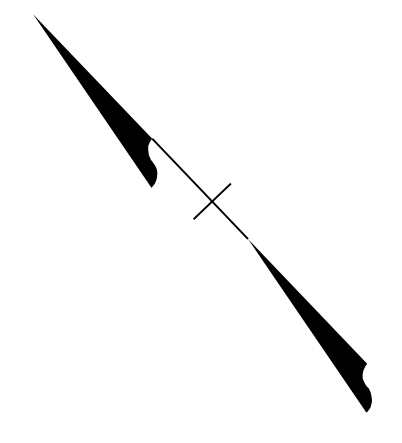
PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)



ALERT:
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 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

Design Pattern Legend

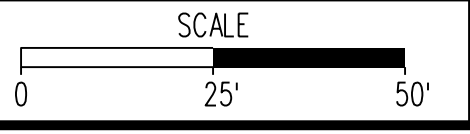
- Denotes Limits of Full Depth Pave.
- Denotes Limits of Mill and Overlay
- Denotes Limits of Demo of Pave.

Roadway Design Legend

- Denotes S'd. MS-1 Req'd. (CG-2 curb)
- Denotes S'd. CG-6 Req'd.
- Denotes S'd. Radial CG-6 Req'd.
- Denotes Full Depth Saw Cut Req'd.
- Denotes 5' Sidewalk
- Denotes 10' Shared Use Path
- Denotes S'd. MB-7D Req'd.
- Denotes S'd. MB-7F Req'd.
- Denotes S'd. MB-8 Req'd. (Ty. I, II, or III)
- Special Design Concrete Parapet with Moment Slab
- Special Design Retaining Wall
- Impact attenuator, VDOT S'd. IA-1 Req'd.
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

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

- Survey Information IF
- Construction Geometrics IG
- Erosion Controls Ph1 & Ph2 M(7) & M(7)
- Typical Sections 2A
- Drainage Descriptions 2K
- Profile Route 638 7A
- Profile Ramps A & C 7B & 7C
- Profile Entr. & Conn. 7D



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 7
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

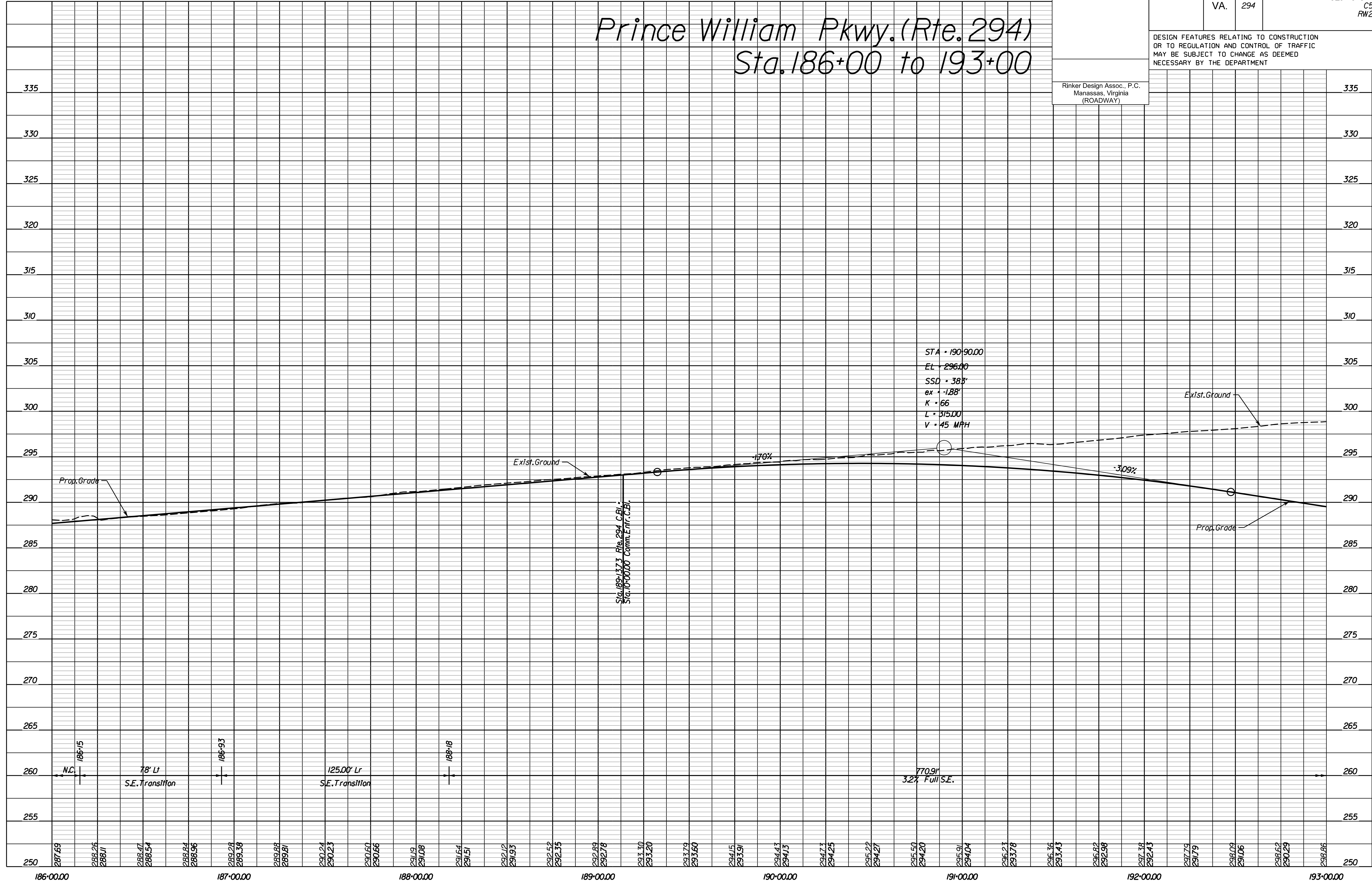
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 186+00 to 193+00



STA • 190+90.00
EL • 296.00
SSD • 383'
ex • -1.88'
K • 66
L • 315.00
V • 45 MPH

Sta. 189+17.3 Rte. 294 C.B.I.
Sta. 18+00000 Comm. Entr. C.B.I.

186+00.00 186+15 78' LI S.E. Transition 186+93 125.00' Lr S.E. Transition 188+18 770.91' 32% Full S.E. 193+00.00

SCALE HORIZ: 1"=25'
VERT: 1"=5'
VDOT PROJECT NO. 0621-076-310
SHEET NO. 7A

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

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PH PLANS

NOVA DISTRICT

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	7B

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

335

330

325

320

315

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285

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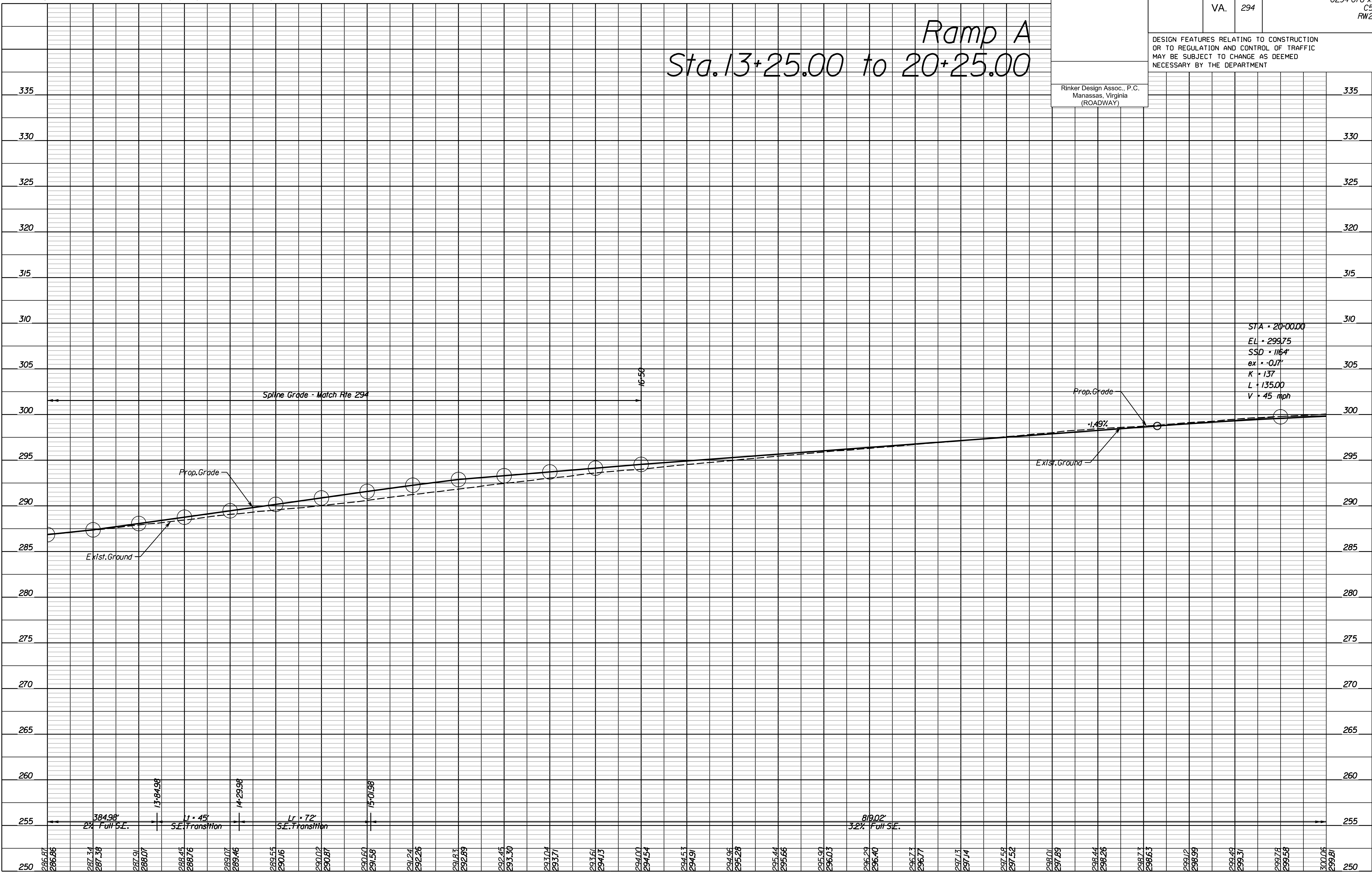
265

260

255

250

Ramp A
Sta. 13+25.00 to 20+25.00



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 7B
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

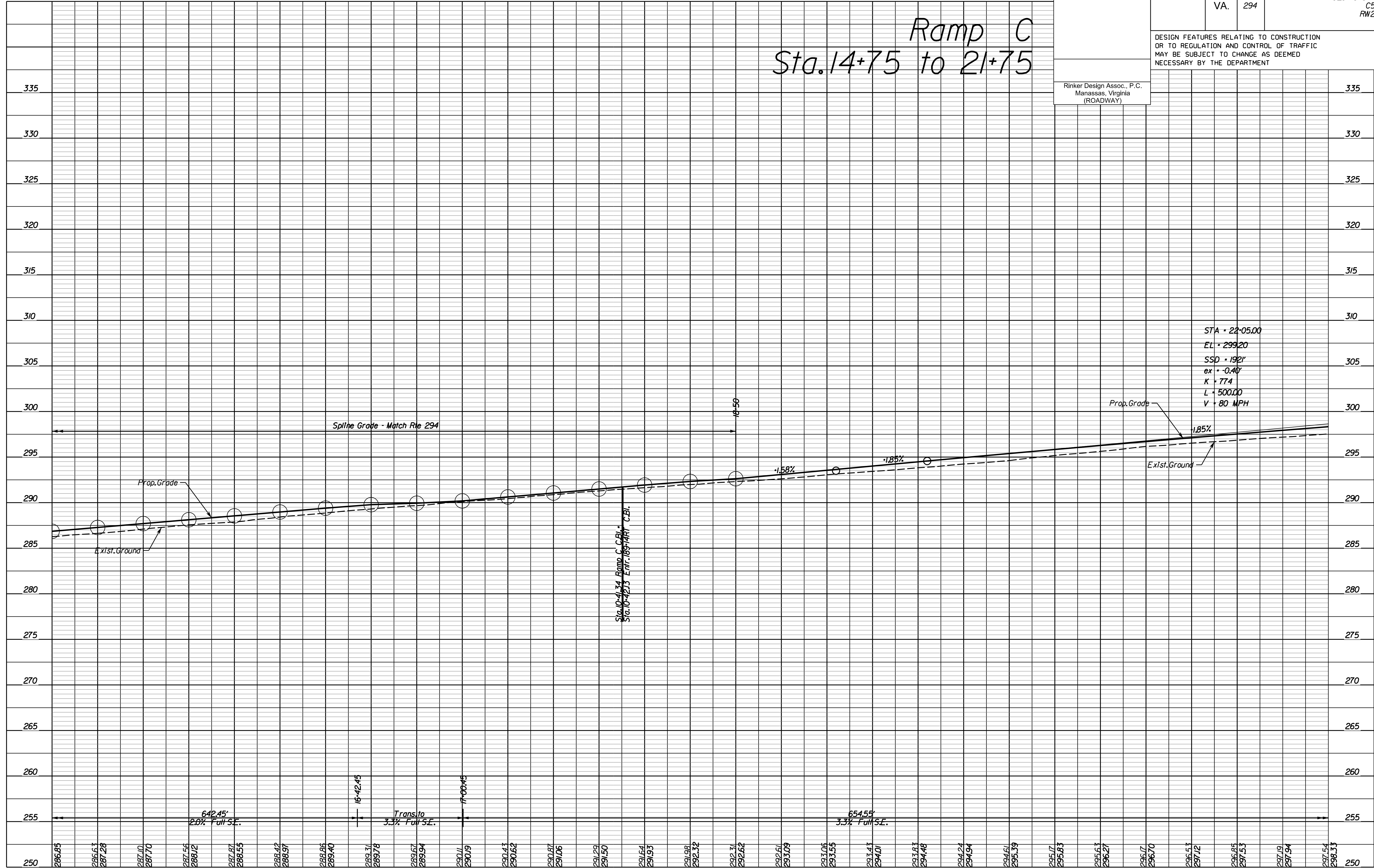
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
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SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	7C

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp C
Sta. 14+75 to 21+75



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 7C
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

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SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

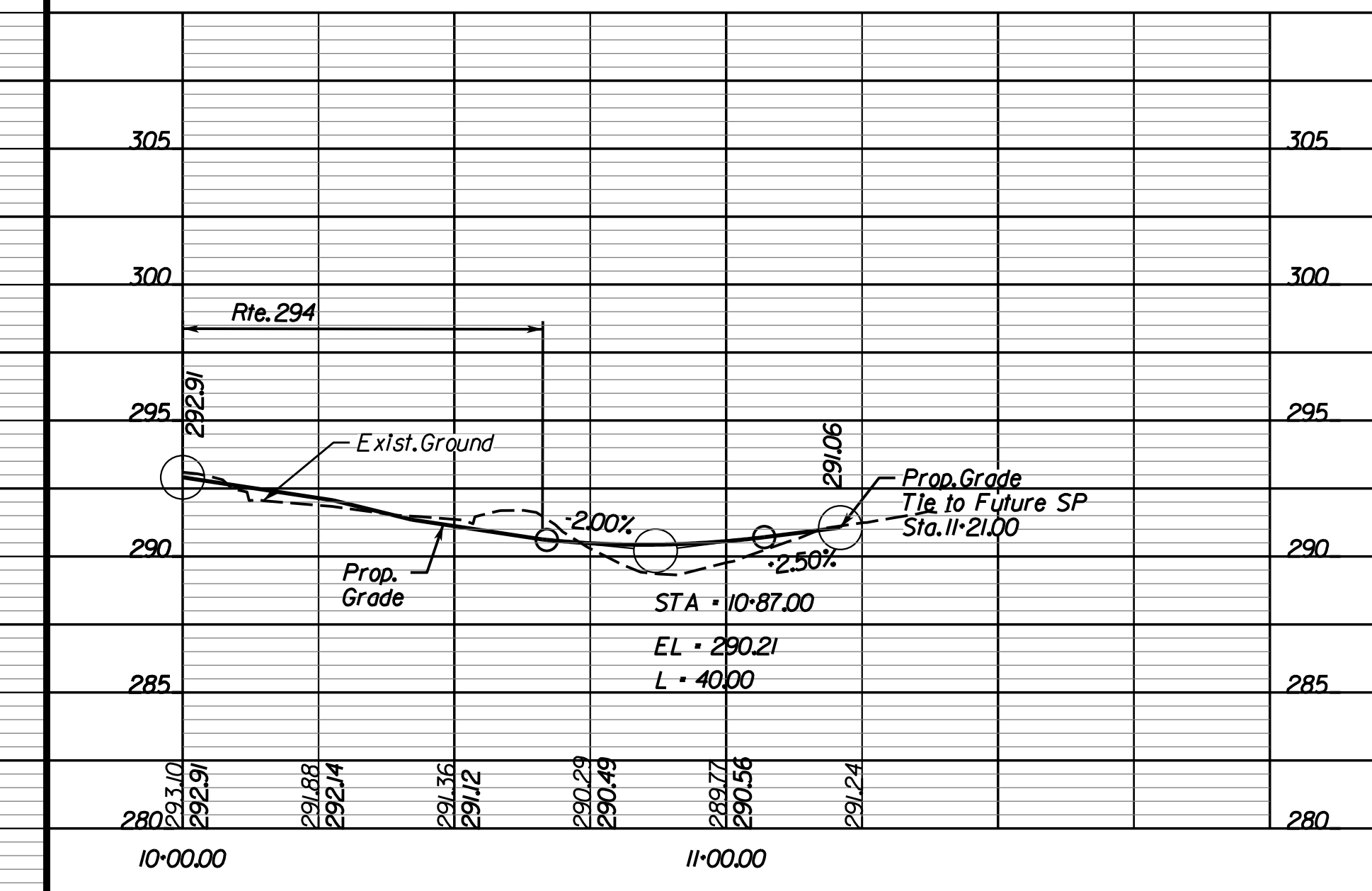
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	7D

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

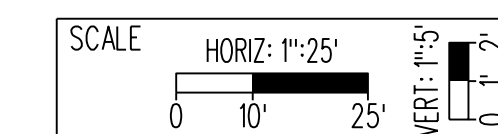
Entrance Profiles

Future Commercial CG-II Entr. (Quartz Development) Sta. 10+13.73 Rt. off of Rte. 294 Constr. Bl.



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
7D

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

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PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

Roadway Design Legend

- ① Denotes S1'd.MS-1 Req'd.(CG-2 curb)
- ①A Denotes S1'd.MS-1A Req'd.(CG-2 curb)
- ③A Denotes S1'd.MS-2 Req'd.(CG-2 curb)
- ④ Denotes S1'd.CG-2 Req'd.
- ④R Denotes S1'd.Radial CG-2 Req'd.
- ⑥ Denotes S1'd.CG-6 Req'd.
- ⑥R Denotes S1'd.Radial CG-6 Req'd.
- ⑮ Denotes Full Depth Saw Cut Req'd.
- ⑮ Denotes 5' Sidewalk
- ⑰ Denotes 10' Shared Use Path
- ⑳ Denotes S1'd.MB-7D Req'd.
- ㉑ Denotes S1'd.MB-7F Req'd.
- ㉒ Special Design Concrete Parapet with Moment Slab
- ㉔ Special Design Retaining Wall

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)

C --- Denotes Construction Limits In Cuts
 E --- Denotes Construction Limits In Fills

Curve RTE294C8
 PI = 192+14.86
 DELTA = 31° 27' 19.4" (RT)
 D = 3' 40' 56"
 T = 438.18'
 L = 854.24'
 R = 1,556.00'
 PC = 187+76.67
 PT = 196+30.92
 e = 3.2%
 Lr = 125' (2.5 Lanes)
 V = 45 MPH

Curve RMPACI
 PI = 19+41.40
 DELTA = 32° 18' 20.14" (RT)
 D = 3' 34' 52"
 T = 463.41'
 L = 902.14'
 R = 1,600.00'
 PC = 14+77.98
 PT = 23+80.13
 e = 3.2%
 Lr = 72' (1 Lane)
 Lr = 107' (2 Lanes)
 V = 45 MPH

SOUTHERN KNOLLS, LLC
 GPIN 8292-04-3728
 INSTR *201505190034829
 346.396 Acres

SOUTHERN KNOLLS, LLC
 GPIN 8192-93-1868
 INSTR *201509190038629
 119.2944 Acres

Design Pattern Legend

- Denotes Limits of Full Depth Pave.
- Denotes Limits of Mill and Overlay
- Denotes Limits of Demo of Pave.

- 8A POT Minnieville Rd., Sta. 25+69.96
 POT Ramp B, Sta. 10+00.00
 Delta = 90°00'22" Rt.
- 8B POT Minnieville Rd., Sta. 25+59.96
 POT Ramp A, Sta. 25+21.00
 Delta = 89°59'38" Lt.
- 8C POT Prince William Pkwy., Sta. 197+71.79
 POT Minnieville Rd., Sta. 25+15.96
 Delta = 90°00'22" Rt.
- 8D POT Minnieville Rd., Sta. 24+76.21
 POT Ramp C, Sta. 26+23.50
 Delta = 89°59'38" Lt.
- 8E POT Minnieville Rd., Sta. 24+61.96
 POT Ramp D, Sta. 10+00.00
 Delta = 90°00'22" Rt.

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

- Survey Information 1G
- Construction Geometrics 1G
- Erosion Controls Ph1 & Ph2 (N18) & (N18)
- Typical Sections 2A
- Drainage Descriptions 2K
- Profile Route 294 8A
- Profile Ramps A,B,C,D 8A(1) - 8A(4)
- Profile Route 640 8B

SCALE
 0 25' 50'

VDOT PROJECT NO.
 0294-076-xxx
 SHEET NO.
 8

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

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PH PLANS

Match Line, Sta. 23+50 See Sheet 8G

Match Line, Sta. 26+75 See Sheet 8J

Match Line, Sta. 193+00 See Sheet 7

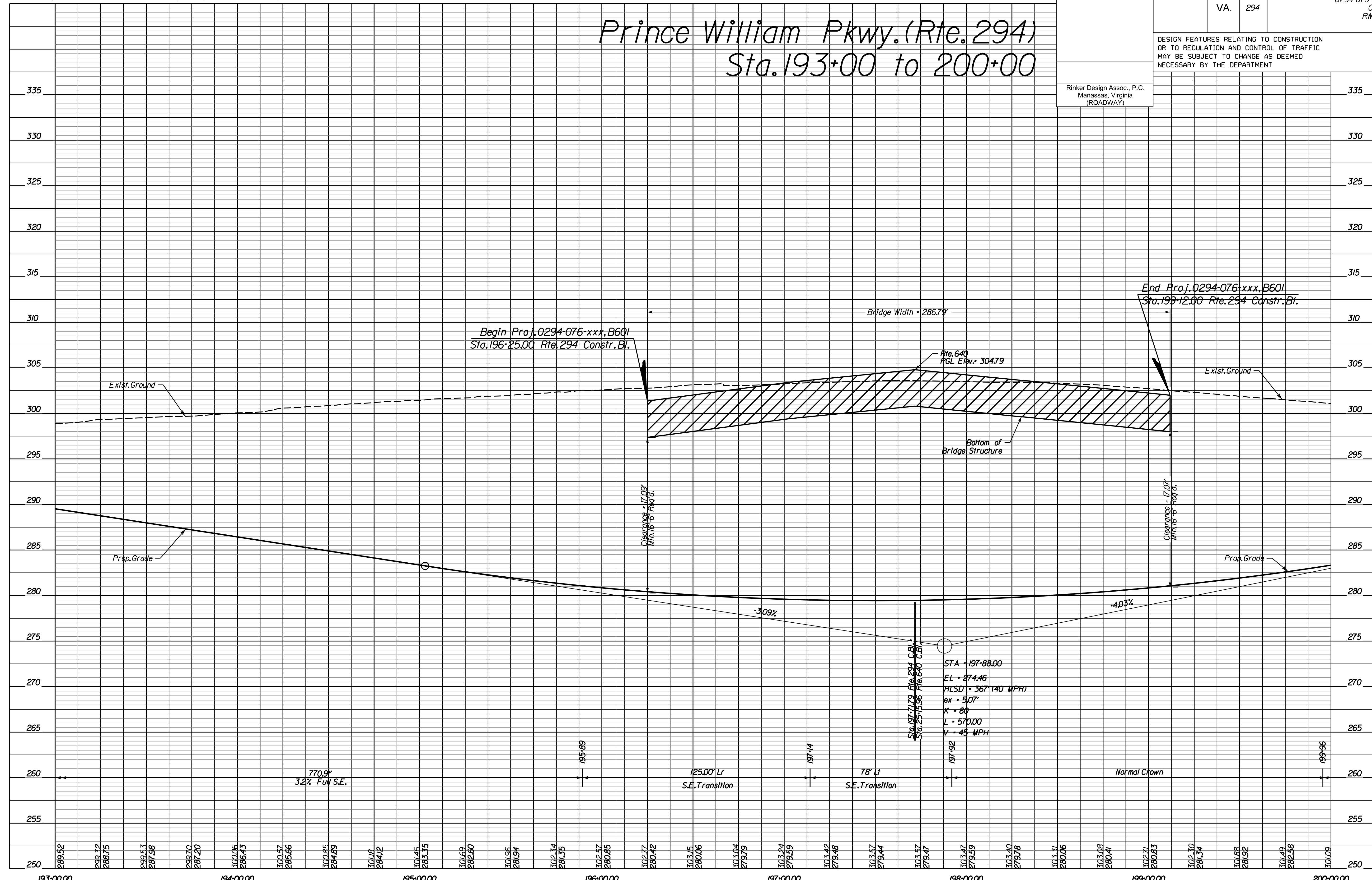
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8A

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 193+00 to 200+00



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 8A
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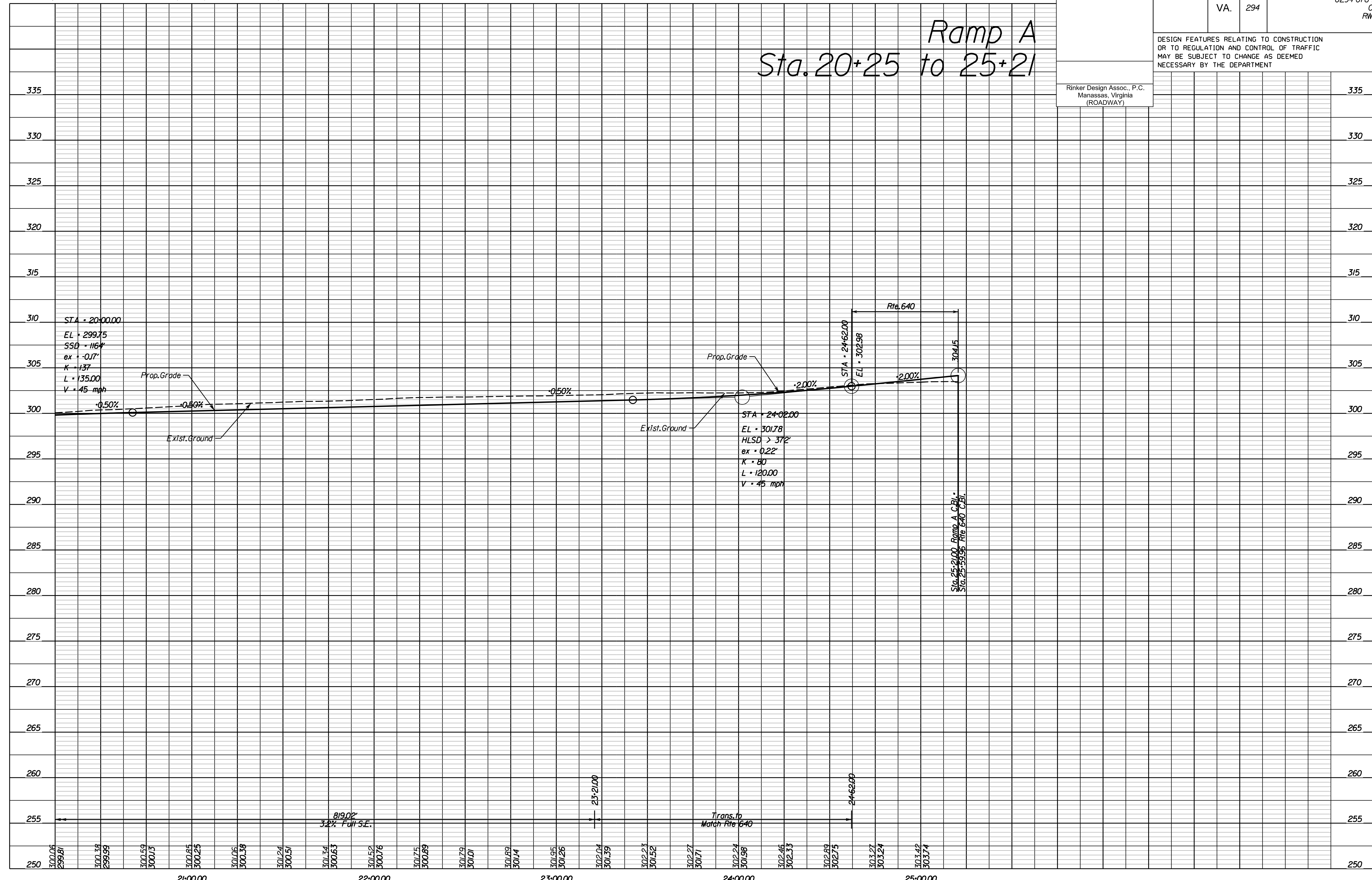
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DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY: DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8A(1)

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

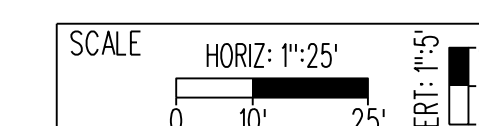
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp A
Sta. 20+25 to 25+21



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
8A(1)

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

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PH PLANS

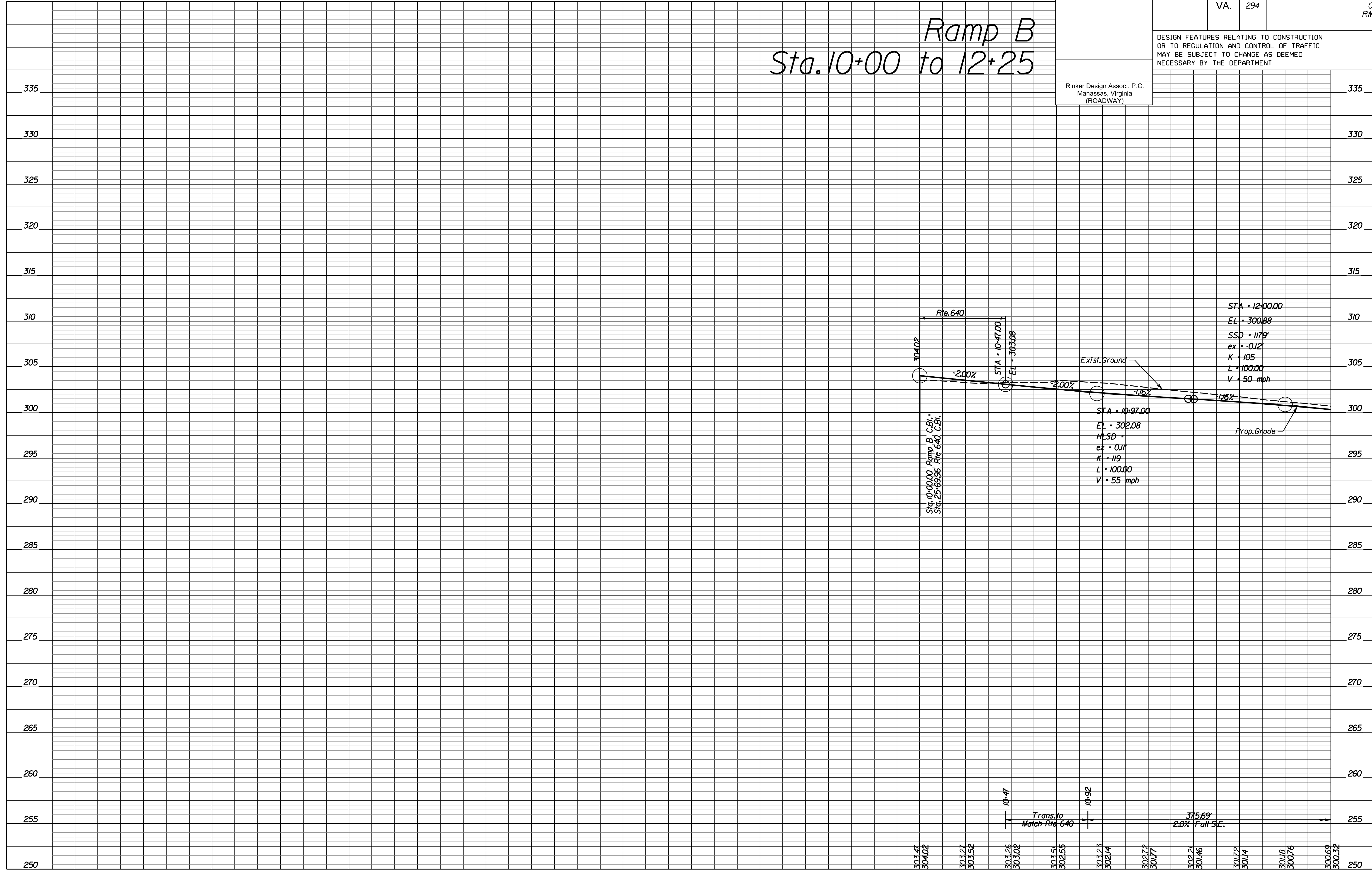
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SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8A(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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp B
Sta. 10+00 to 12+25



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 8A(2)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

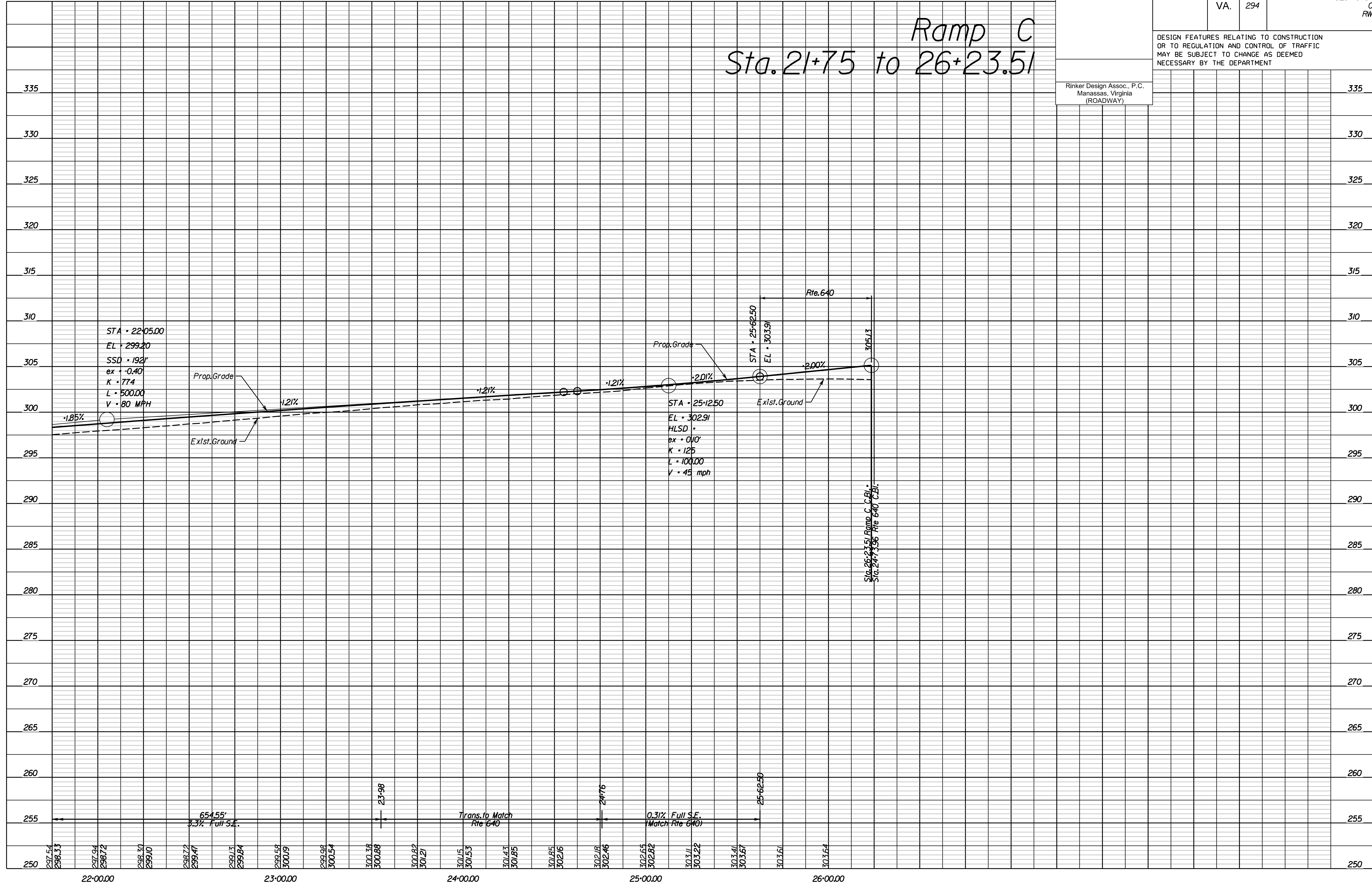
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	8A(3)

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

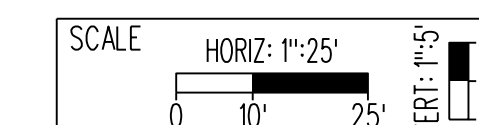
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp C
Sta. 21+75 to 26+23.51



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
8A(3)

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

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PH PLANS

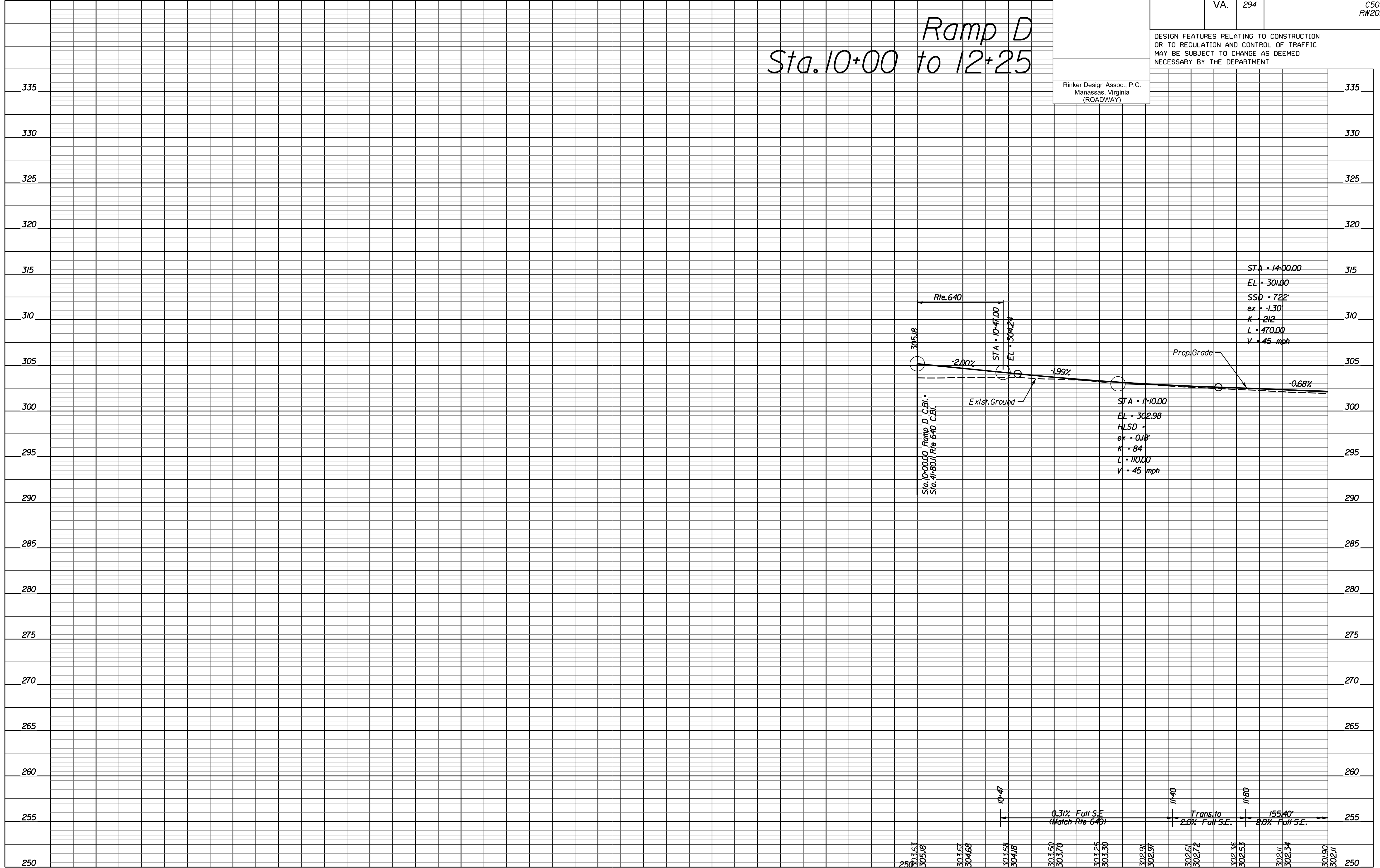
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8A(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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp D
Sta. 10+00 to 12+25



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 8A(4)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

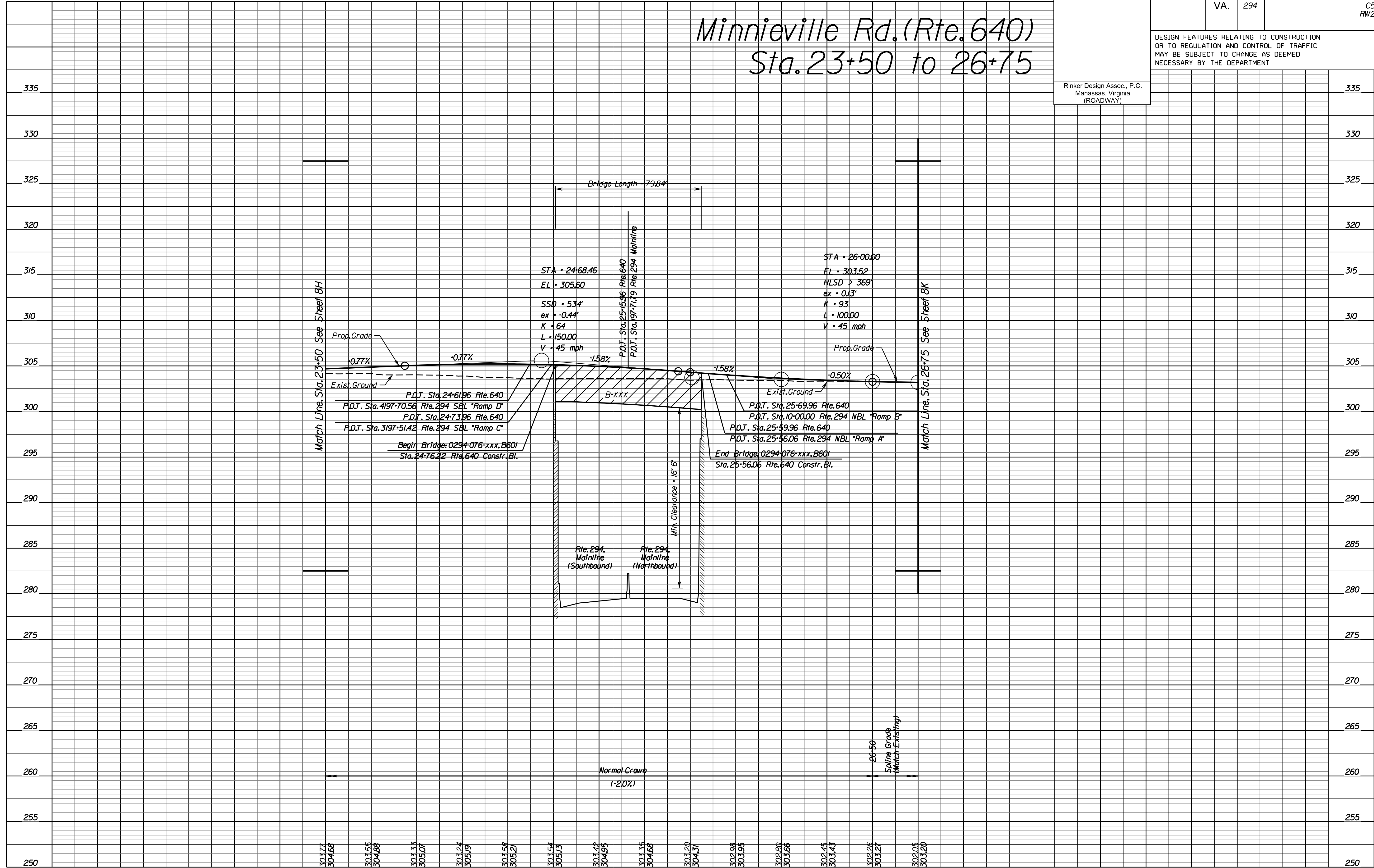
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8B

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

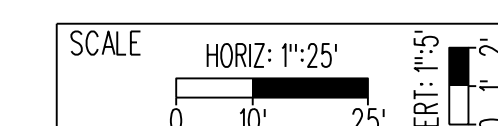
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Minnieville Rd. (Rte. 640) Sta. 23+50 to 26+75



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
8B

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

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

PH PLANS

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kouyoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	8C

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

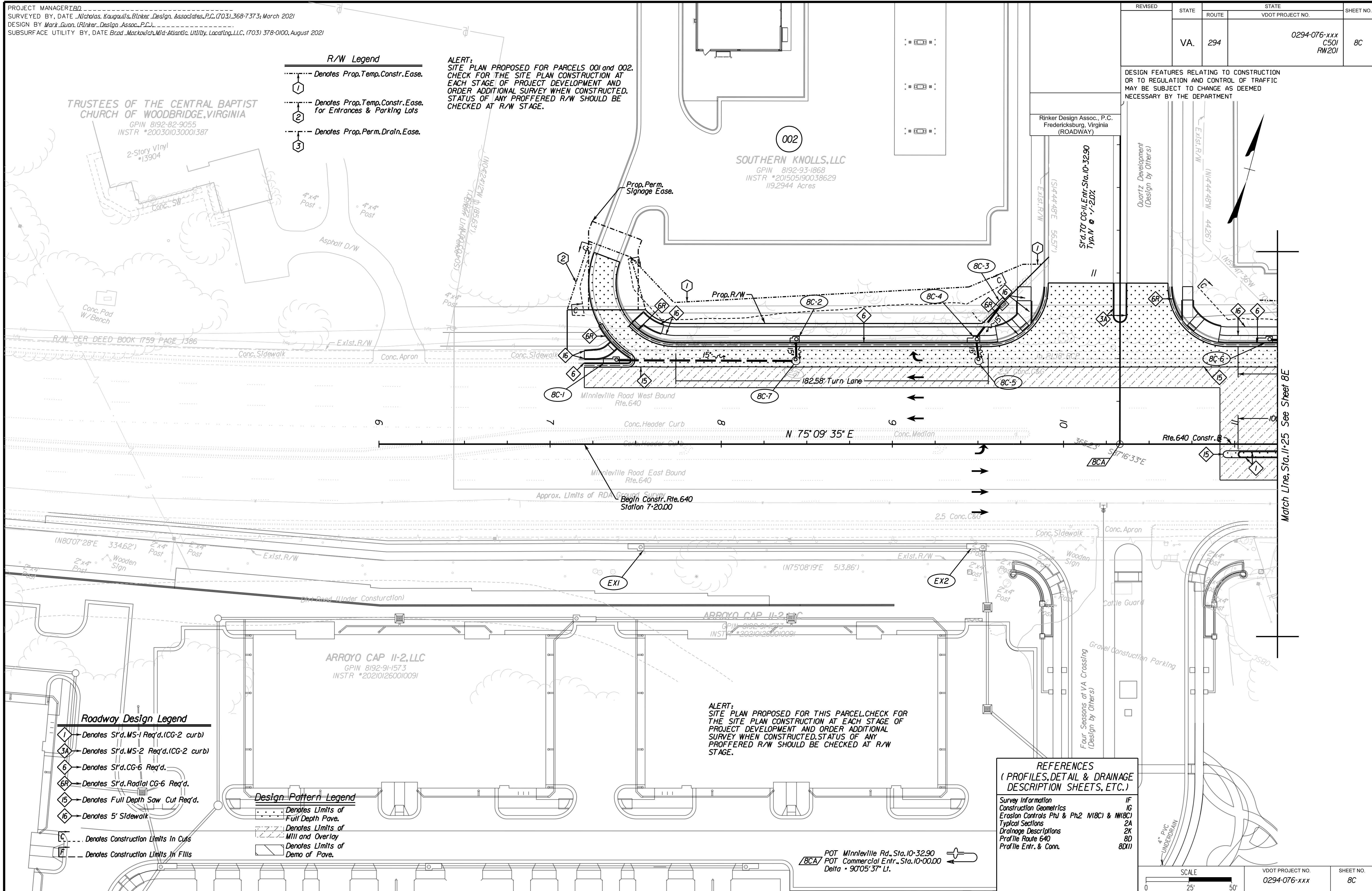
- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
 - ① Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
 - ② Denotes Prop. Perm. Drain. Ease.

ALERT:
SITE PLAN PROPOSED FOR PARCELS 001 and 002. CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

TRUSTEES OF THE CENTRAL BAPTIST CHURCH OF WOODBRIDGE, VIRGINIA
GPIN 8192-82-9055
INSTR *200301030001387

SOUTHERN KNOLLS, LLC
GPIN 8192-93-1868
INSTR *201505190038629
119.2944 Acres

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



- Roadway Design Legend**
- ① Denotes S'd. MS-1 Req'd. (CG-2 curb)
 - ③A Denotes S'd. MS-2 Req'd. (CG-2 curb)
 - ⑥ Denotes S'd. CG-6 Req'd.
 - ⑥R Denotes S'd. Radial CG-6 Req'd.
 - ⑮ Denotes Full Depth Saw Cut Req'd.
 - ⑮ Denotes 5' Sidewalk
- Design Pattern Legend**
- Denotes Limits of Full Depth Pave.
 - Denotes Limits of Mill and Overlay
 - Denotes Limits of Demo of Pave.
 - Denotes Construction Limits In Cuts
 - Denotes Construction Limits In Fills

ALERT:
SITE PLAN PROPOSED FOR THIS PARCEL. CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

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

Survey Information	IF
Construction Geometrics	IG
Erosion Controls Ph1 & Ph2 N(BC) & N(BC)	16C
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 640	8D
Profile Entr. & Conn.	8D(1)

POT Minnleville Rd., Sta. 10+32.90
BCA POT Commercial Entr., Sta. 10+00.00
Delta = 90°05'37" Lt.

SCALE 0 25' 50'

VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	8C

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

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PH PLANS

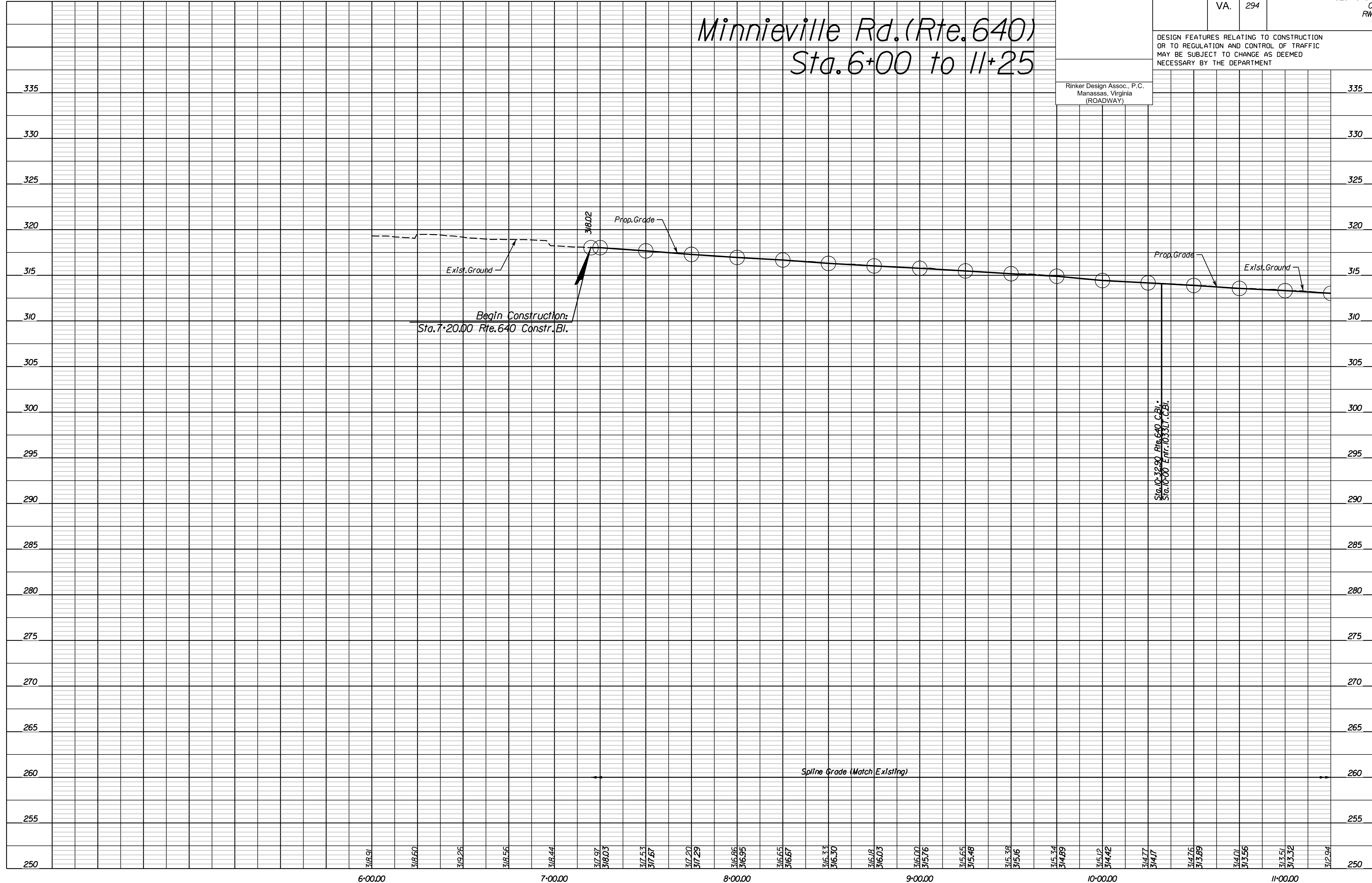
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	8D

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

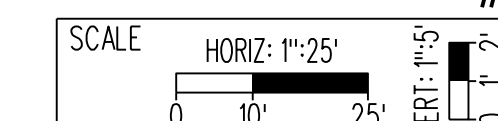
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Minnieville Rd. (Rte. 640) Sta. 6+00 to 11+25



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
8D

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

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

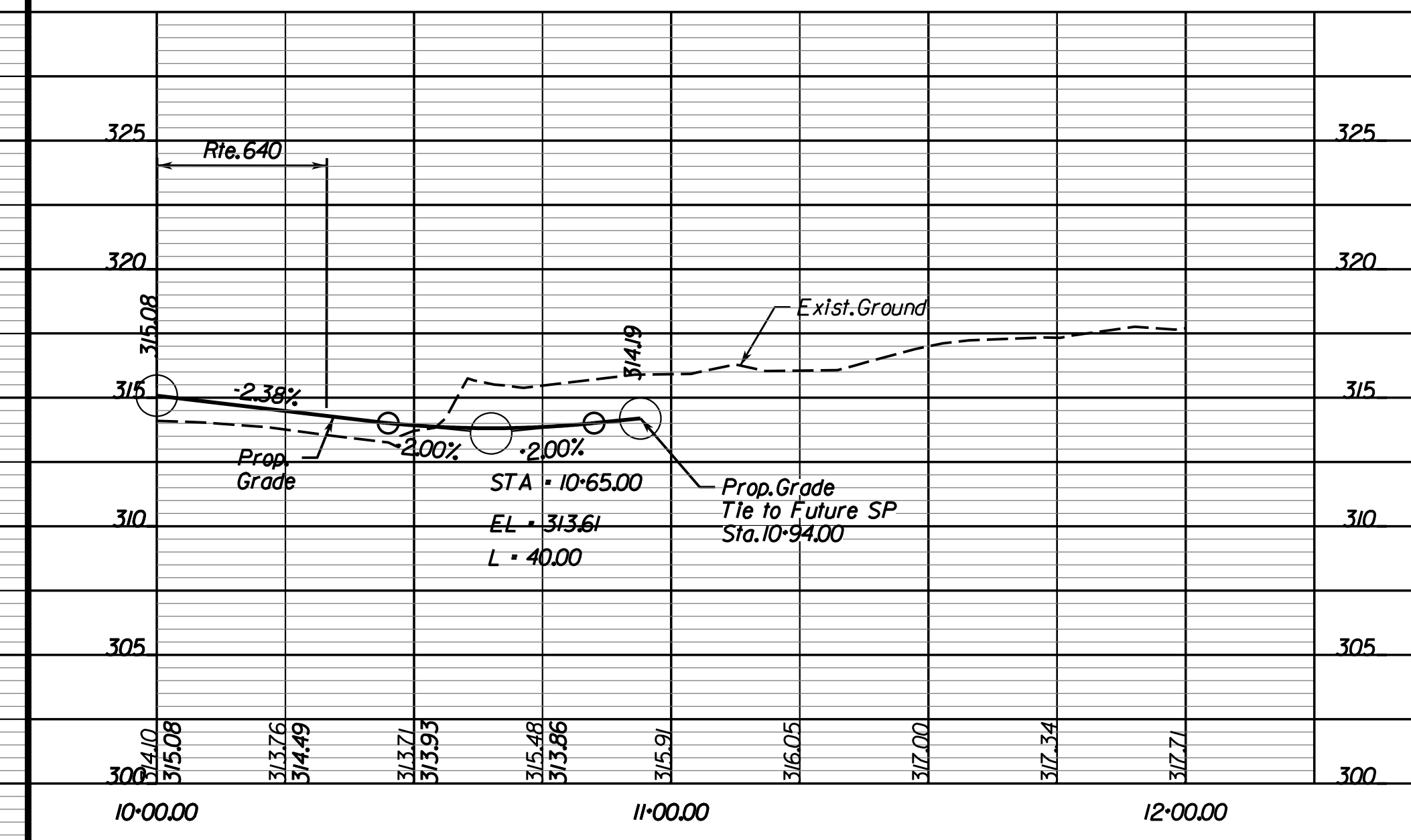
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8D(1)

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

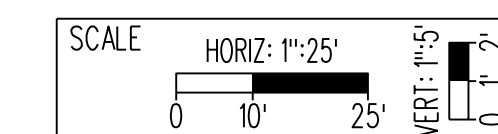
Entrance Profiles

Future Commercial CG-II Entr. (Quartz Development) Sta. 10+32.90 Lt. off of Rte. 640 Constr. Bl.



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO. 0621-076-310

SHEET NO. 8D(1)

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

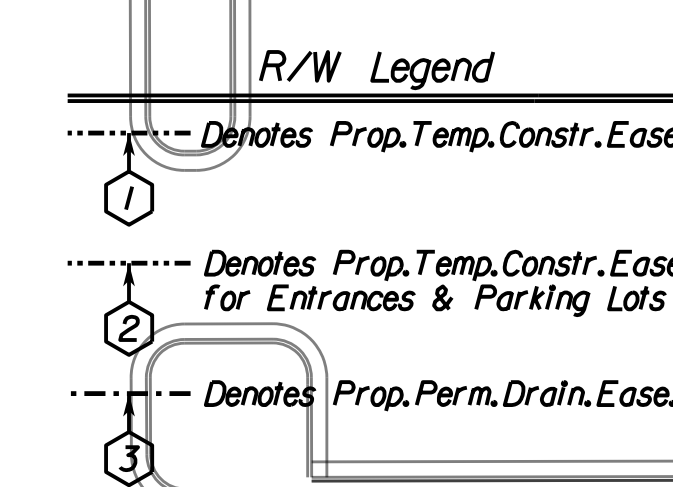
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	8E

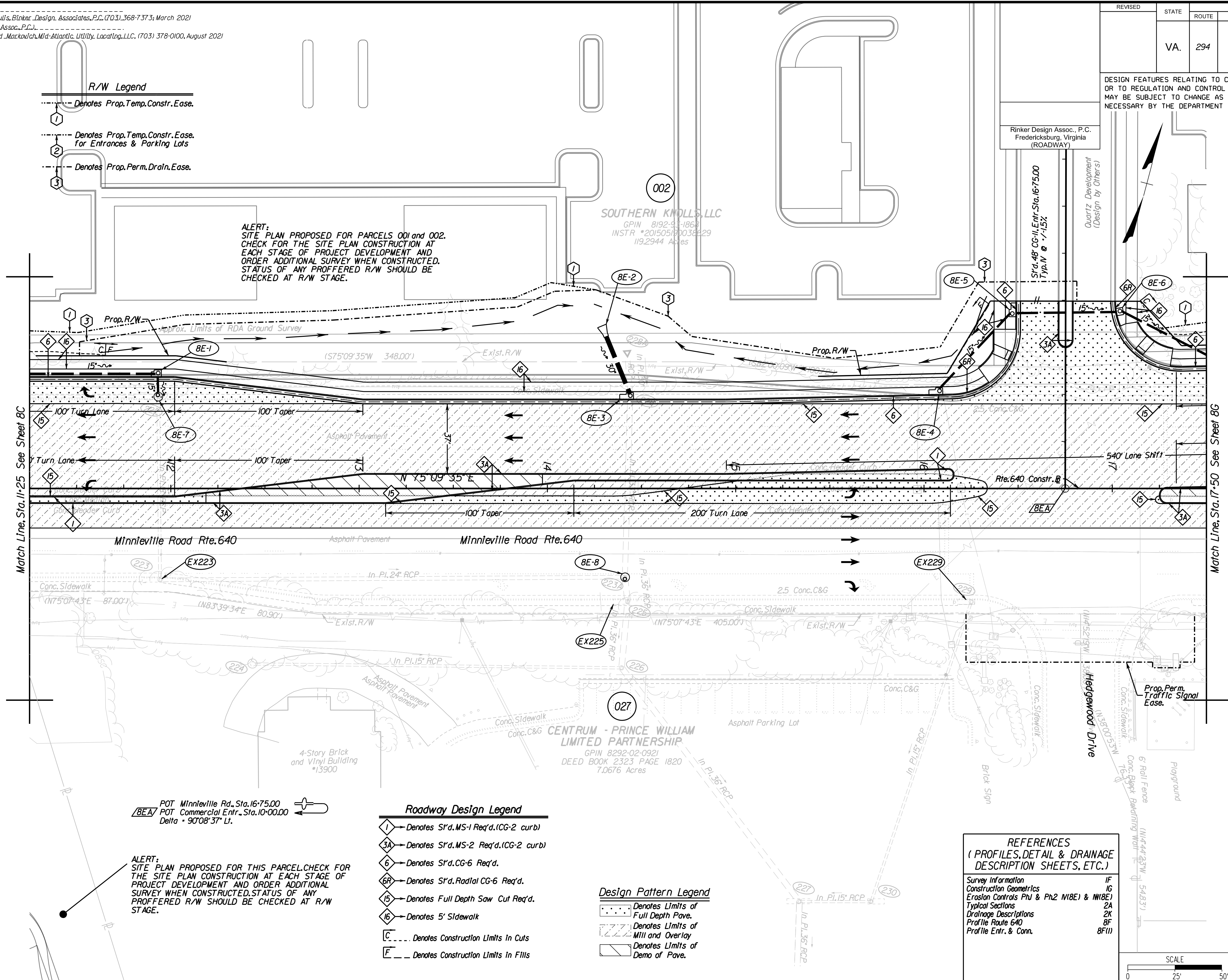
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

SOUTHERN KNOLLS, LLC
 GPIN 8192-93-1863
 INSTR *201505/P0038229
 119,2944 Acres

Rinker Design Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)



Match Line, Sta. 11+25 See Sheet 8C

Match Line, Sta. 17+50 See Sheet 8G

POT Minnerville Rd., Sta. 16+75.00
 POT Commercial Entr., Sta. 10+00.00
 Delta = 90°08'37" Lt.

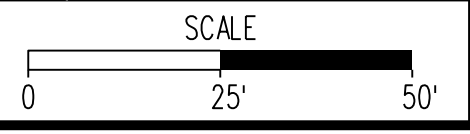
ALERT:
 SITE PLAN PROPOSED FOR THIS PARCEL. CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.

- Roadway Design Legend**
- ① → Denotes S'd. MS-1 Req'd. (CG-2 curb)
 - ③A → Denotes S'd. MS-2 Req'd. (CG-2 curb)
 - ⑥ → Denotes S'd. CG-6 Req'd.
 - ⑥R → Denotes S'd. Radial CG-6 Req'd.
 - ⑮ → Denotes Full Depth Saw Cut Req'd.
 - ⑮ → Denotes 5' Sidewalk
 - C... → Denotes Construction Limits in Cuts
 - F... → Denotes Construction Limits in Fills

- Design Pattern Legend**
- Denotes Limits of Full Depth Pave.
 - Denotes Limits of Mill and Overlay
 - Denotes Limits of Demo of Pave.

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

Survey Information	1G
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2 (NBE) & (NBE)	2A
Typical Sections	2A
Drainage Descriptions	2A
Profile Route 640	8F
Profile Entr. & Conn.	8F(1)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	8E

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

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8F

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Minnieville Rd. (Rte. 640) Sta. 11+25 to 17+50



NOVA DISTRICT

4/13/2023

SCALE: HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO: 0621-076-310

SHEET NO: 8F

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

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PH PLANS

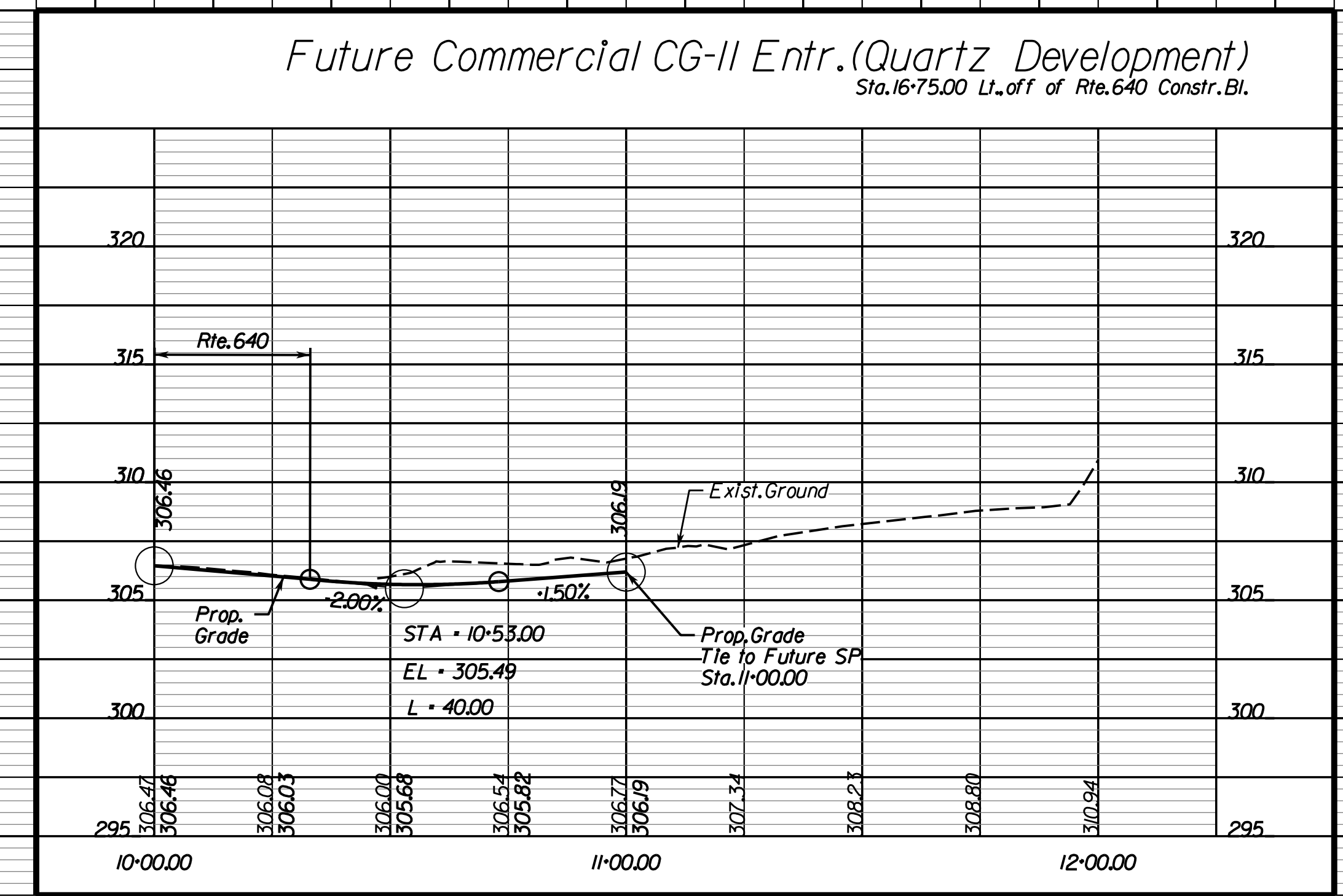
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	8F(1)

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

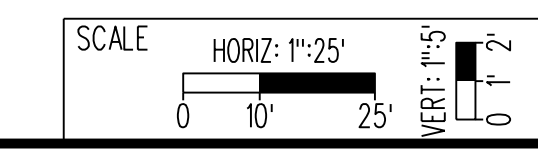
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Entrance Profiles



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310
SHEET NO.
8F(1)

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

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PH PLANS

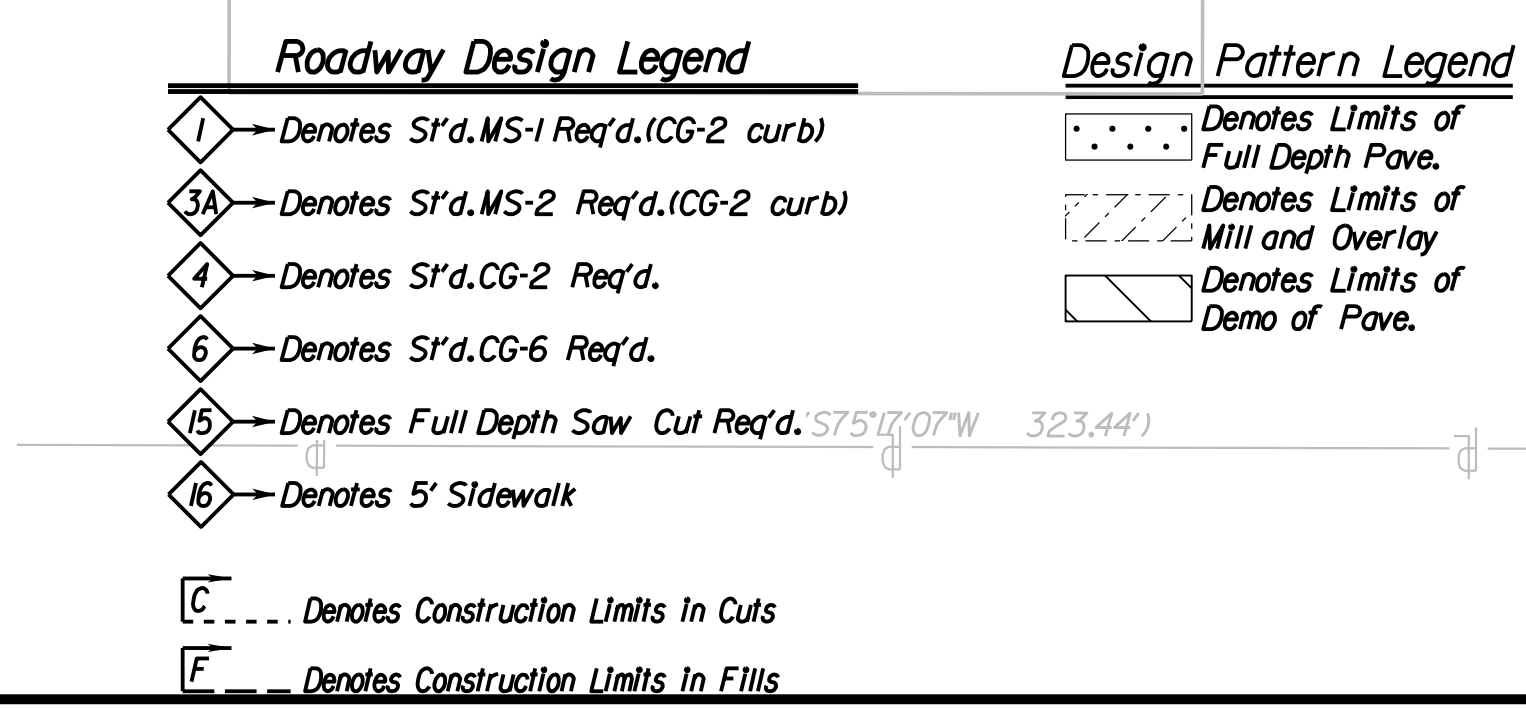
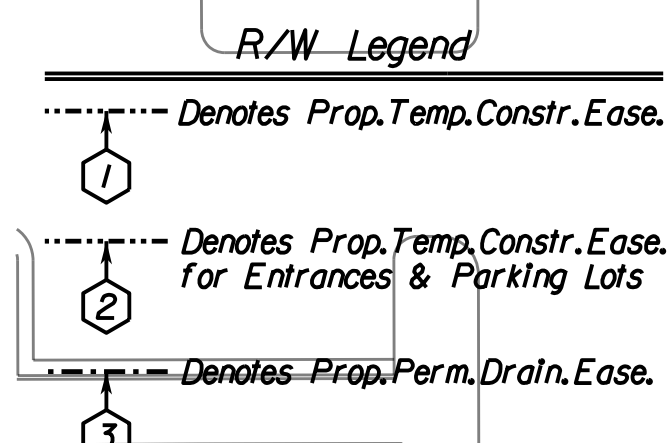
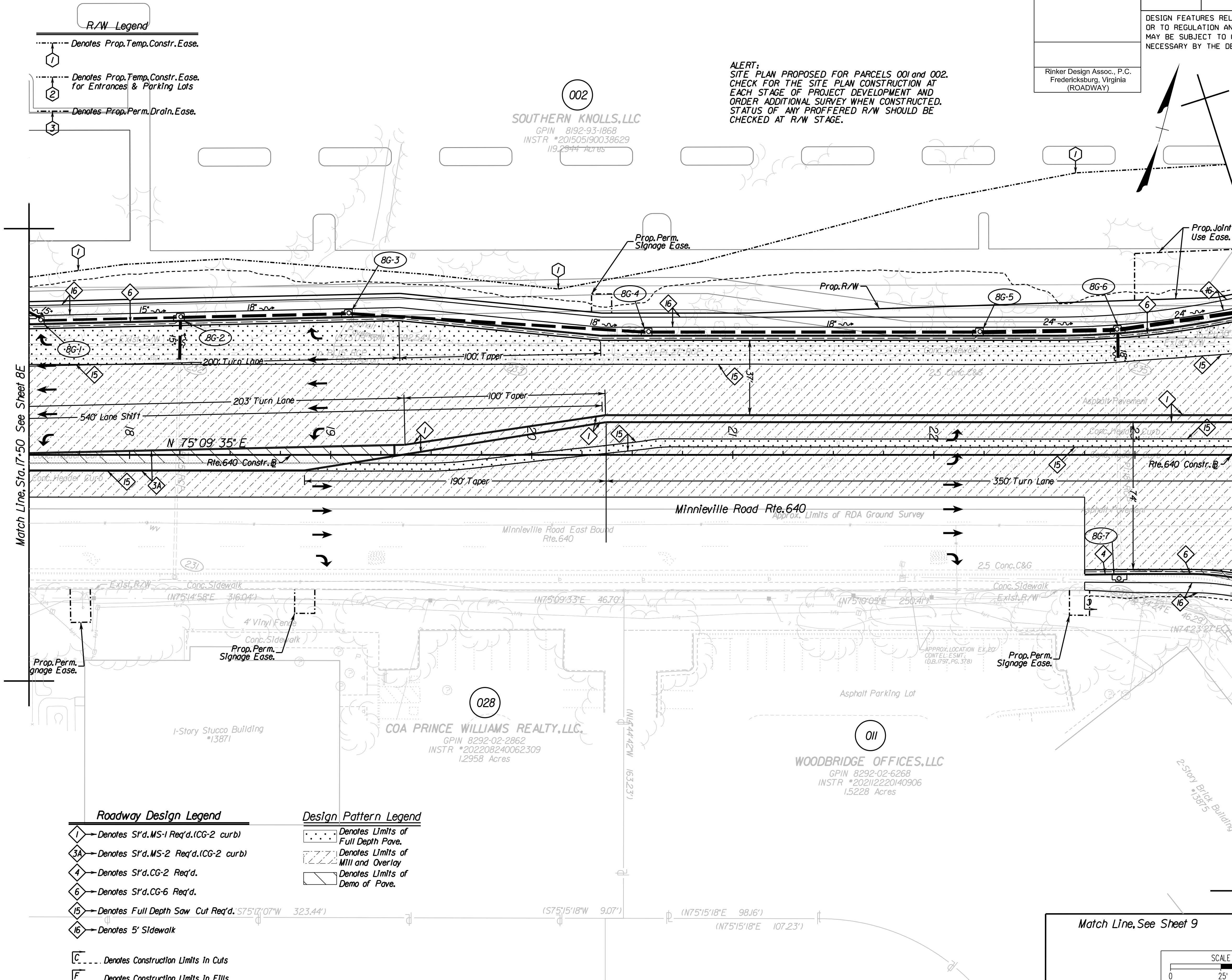
PROJECT MANAGER: B.D.
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	86

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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)

ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROFFERED R/W SHOULD BE CHECKED AT R/W STAGE.



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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2 (M18G) & (M18G)	2A
Typical Sections	2K
Drainage Descriptions	2K
Profile Route 640	8H

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	86

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

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

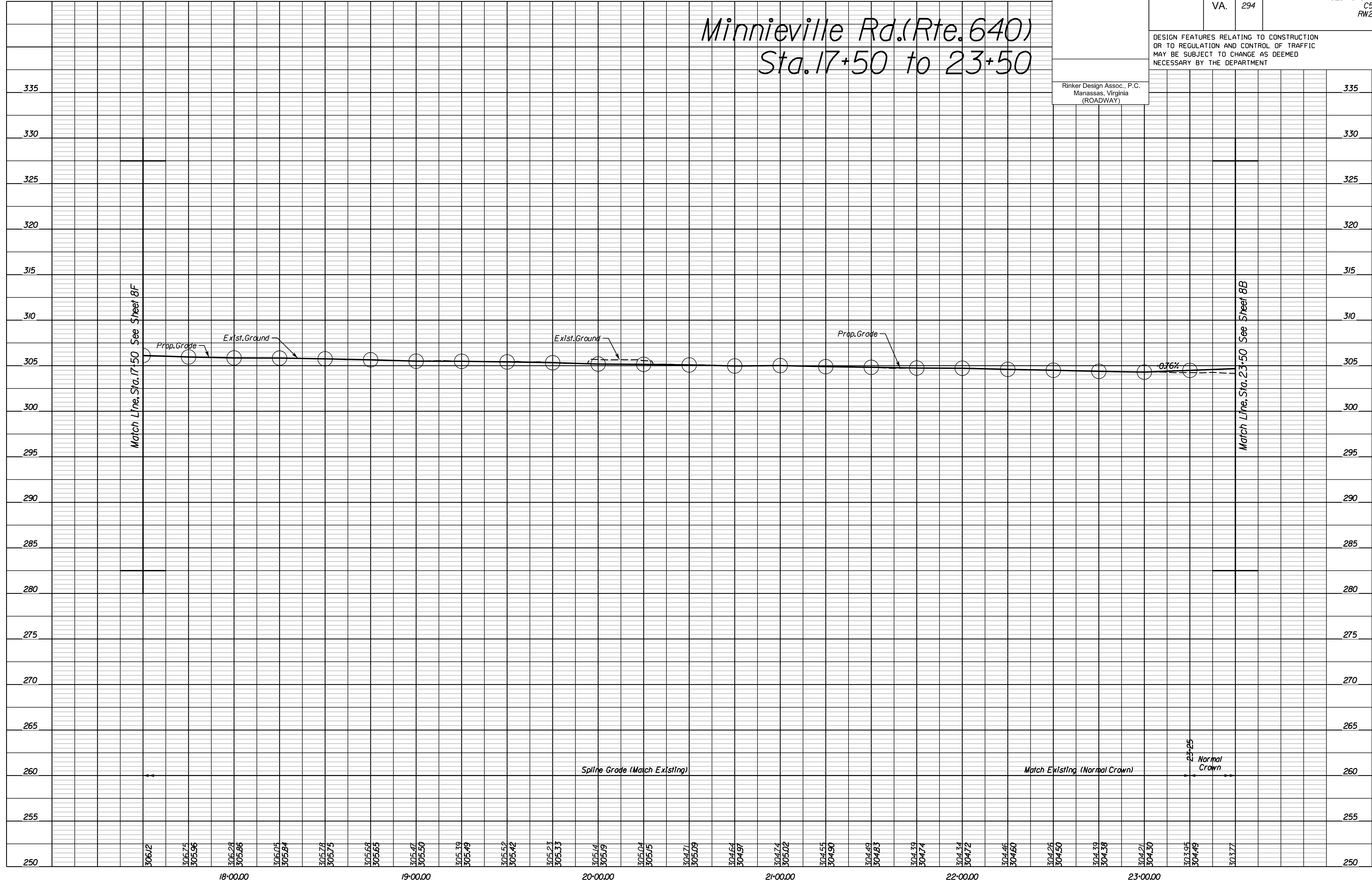
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8H

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Minnieville Rd. (Rte. 640)

Sta. 17+50 to 23+50



NOVA DISTRICT

4/13/2023

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

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PH PLANS

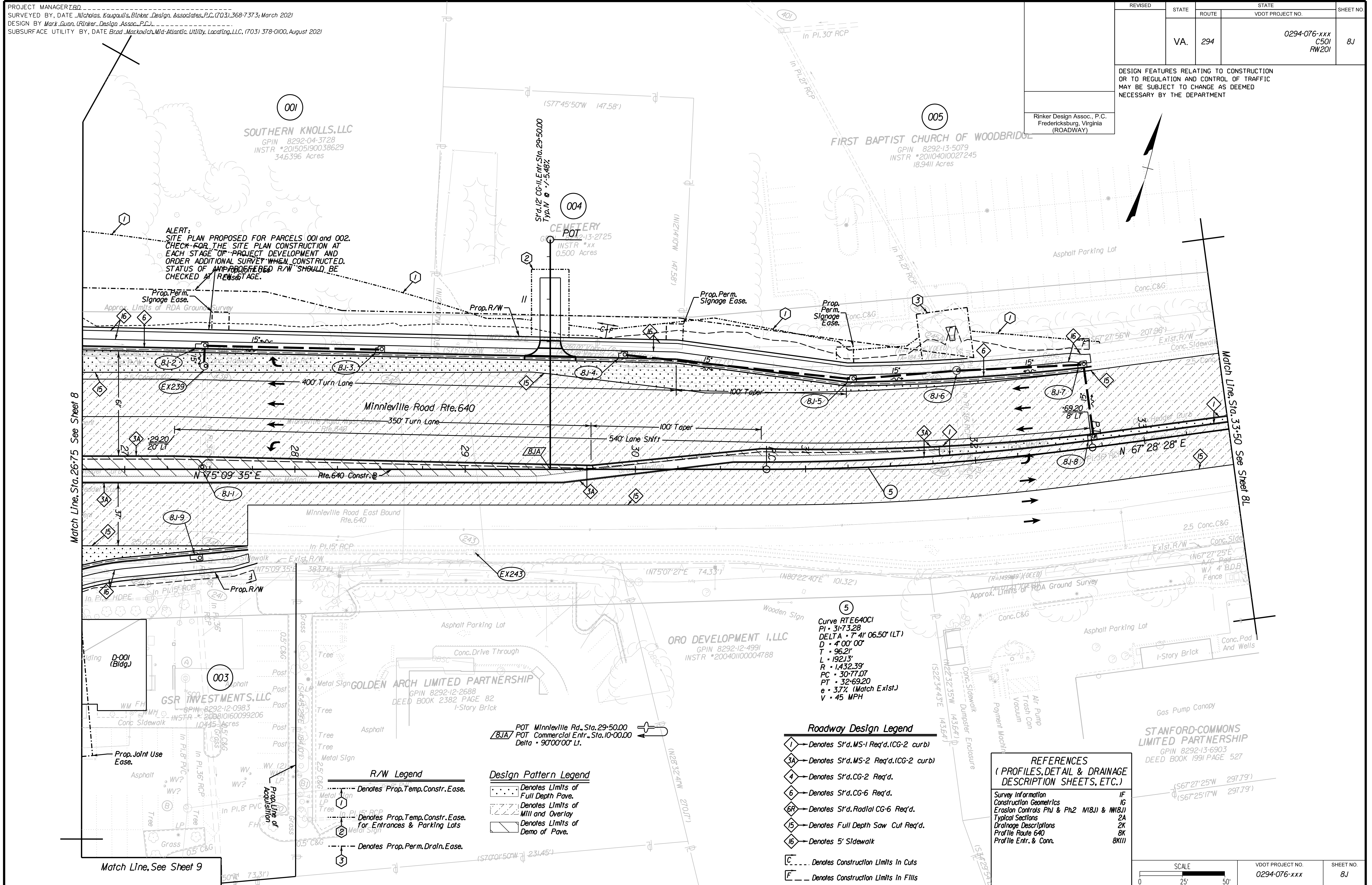
SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 8H
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PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougioullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guan, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	8J

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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)



ALERT:
 SITE PLAN PROPOSED FOR PARCELS 001 and 002.
 CHECK FOR THE SITE PLAN CONSTRUCTION AT EACH STAGE OF PROJECT DEVELOPMENT AND ORDER ADDITIONAL SURVEY WHEN CONSTRUCTED. STATUS OF ANY PROPOSED R/W SHOULD BE CHECKED AT EACH STAGE.

Curve RTE 640C1
 PI • 31+73.28
 DELTA • 7° 41' 06.50" (LT)
 D • 4' 00' 00"
 T • 96.21'
 L • 19213'
 R • 1,432.39'
 PC • 30+77.07
 PT • 32+69.20
 e • 3.7% (Match Exst.)
 V • 45 MPH

POT Minnville Rd., Sta. 29+50.00
 POT Commercial Entr., Sta. 10+00.00
 Delta • 90°00'00" Lt.

- Roadway Design Legend**
- ① - Denotes S'd, MS-1 Req'd. (CG-2 curb)
 - ③A - Denotes S'd, MS-2 Req'd. (CG-2 curb)
 - ④ - Denotes S'd, CG-2 Req'd.
 - ⑥ - Denotes S'd, CG-6 Req'd.
 - ⑥R - Denotes S'd, Radial CG-6 Req'd.
 - ⑤ - Denotes Full Depth Saw Cut Req'd.
 - ⑥ - Denotes 5' Sidewalk
 - C - Denotes Construction Limits in Cuts
 - F - Denotes Construction Limits in Fills

- Design Pattern Legend**
- ▨ - Denotes Limits of Full Depth Pavement
 - ▨ - Denotes Limits of Mill and Overlay
 - ▨ - Denotes Limits of Demo of Pavement

- R/W Legend**
- - Denotes Prop. Temp. Constr. Easement
 - - Denotes Prop. Temp. Constr. Easement for Entrances & Parking Lots
 - - Denotes Prop. Perm. Drain. Easement

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

Survey Information	IF
Construction Geometrics	IG
Erosion Controls Ph1 & Ph2	N18J & M18J
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 640	8K
Profile Entr. & Conn.	8KII

STANFORD-COMMONS LIMITED PARTNERSHIP
 GPIN 8292-13-6903
 DEED BOOK 1991 PAGE 527

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	8J

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

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

PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

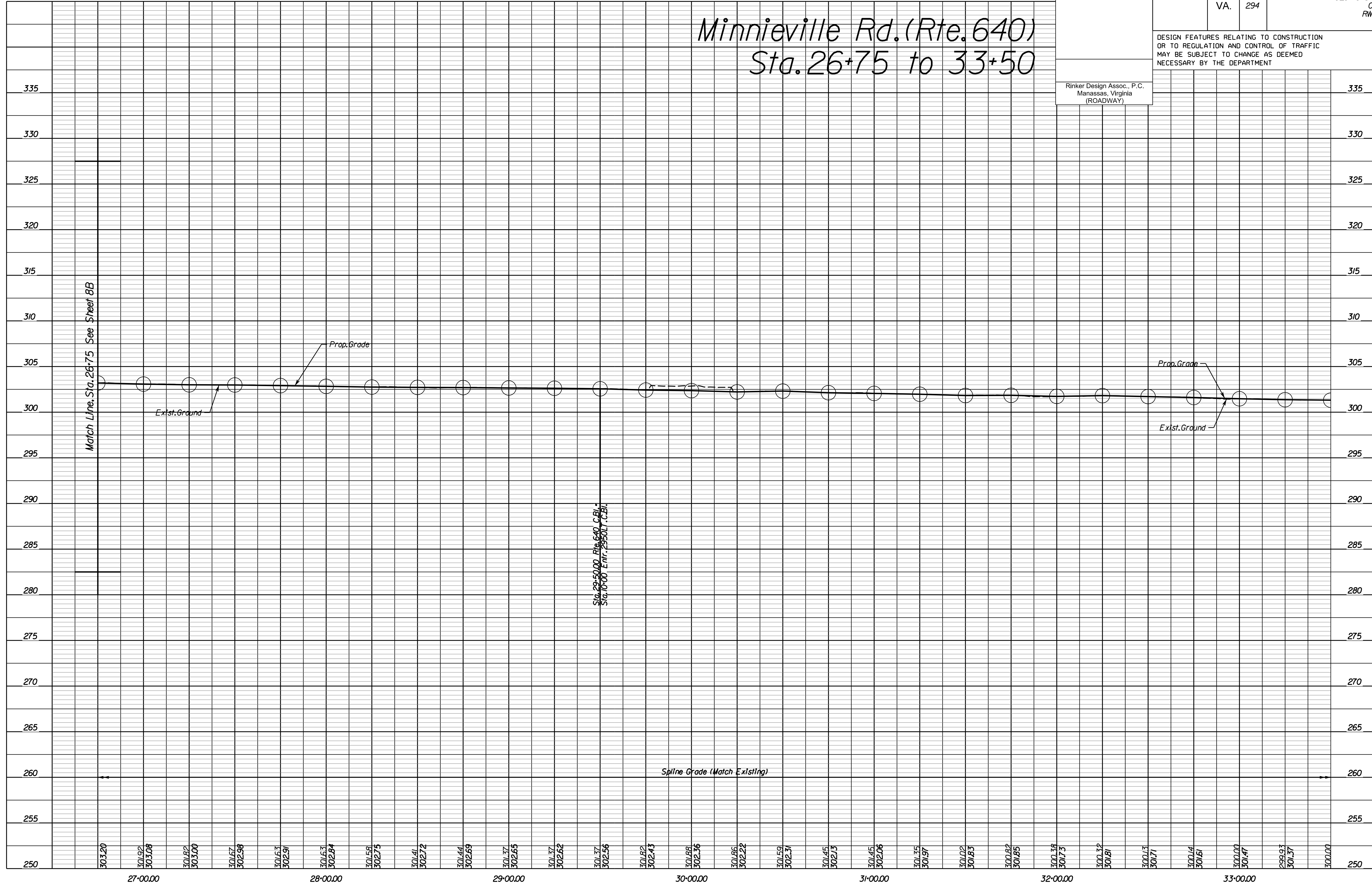
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8K

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Minnieville Rd. (Rte. 640)

Sta. 26+75 to 33+50



NOVA DISTRICT

4/13/2023

SCALE: HORIZ: 1"=25' VERT: 1"=5'

VDOT PROJECT NO: 0621-076-310

SHEET NO: 8K

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

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

PH PLANS

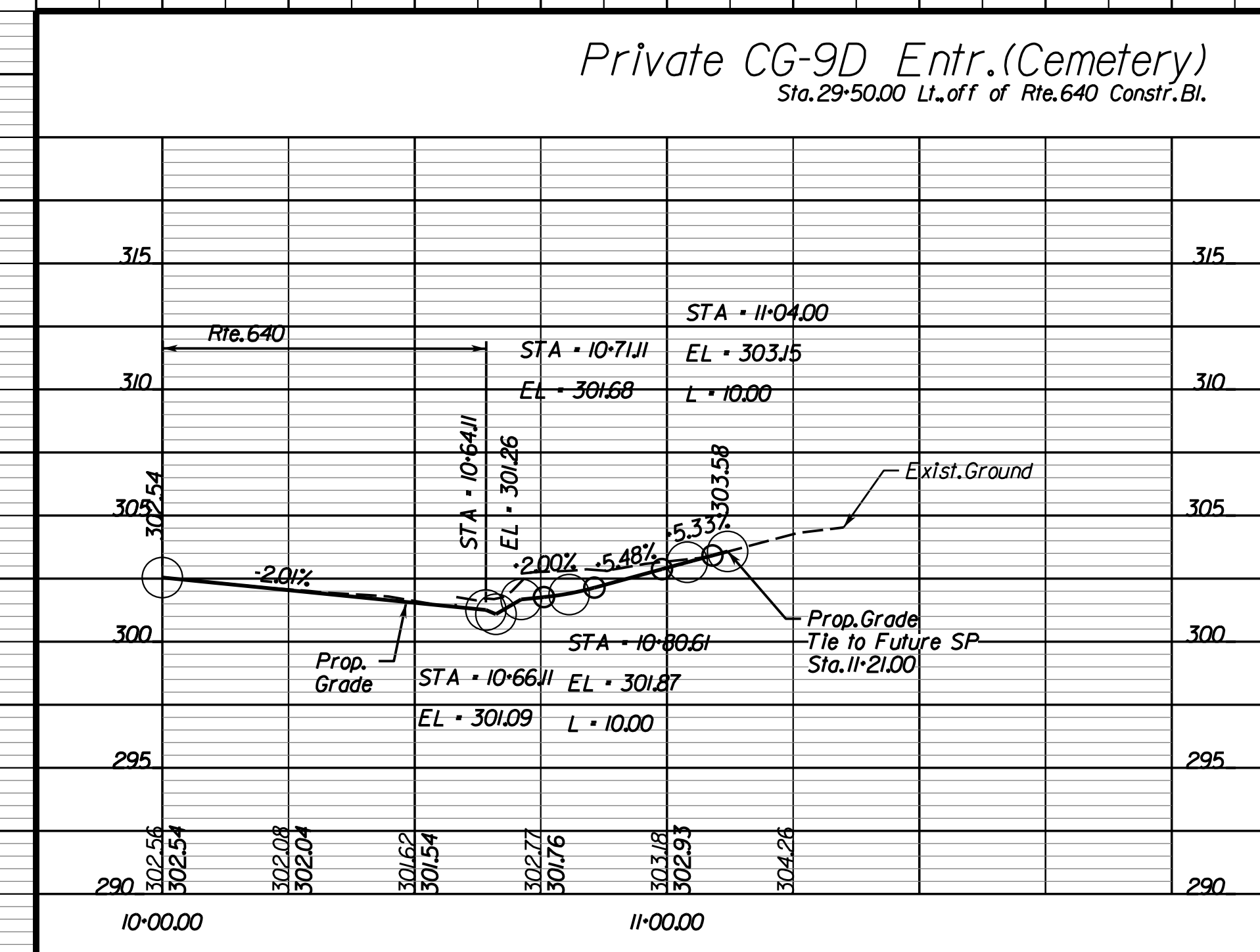
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	8K(1)

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

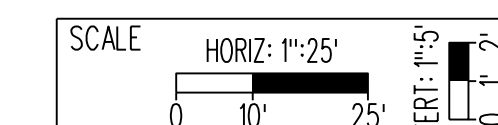
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Entrance Profiles



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
8K(1)

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

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

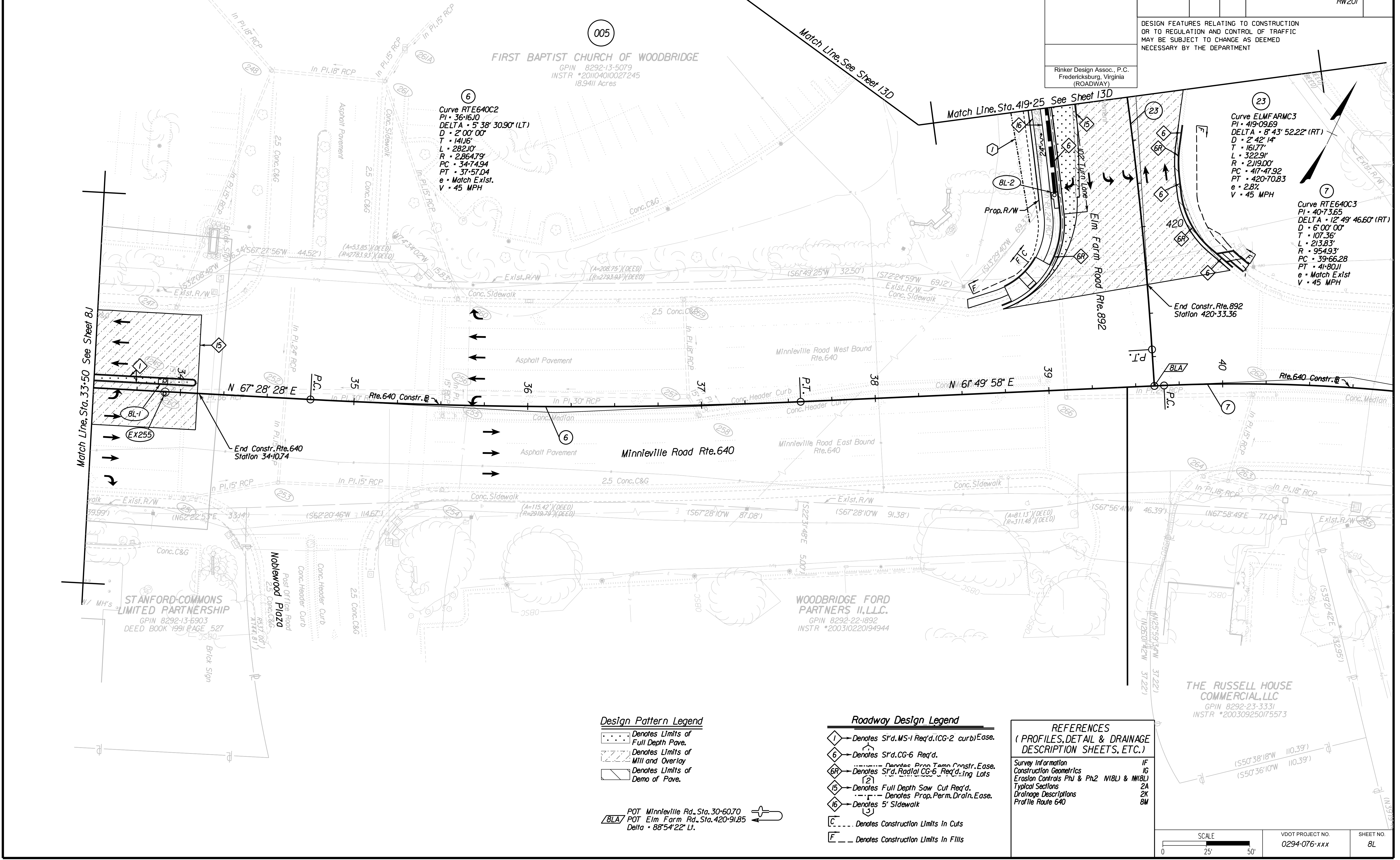
PH PLANS

PROJECT MANAGER: B.D.
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon (Rinker Design Assoc., P.C.)
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	8L

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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)



Design Pattern Legend

- Denotes Limits of Full Depth Pavement.
- Denotes Limits of Mill and Overlay.
- Denotes Limits of Demo of Pavement.
- POT Minnieville Rd., Sta. 30+60.70
- POT Elm Farm Rd., Sta. 420+91.85
- Δ • 88°54'22" Lt.

Roadway Design Legend

- Denotes S'd. MS-1 Req'd. (CG-2 curb) Ease.
- Denotes S'd. CG-6 Req'd.
- Denotes Prop. Temp. Constr. Ease.
- Denotes S'd. Radial CG-6 Req'd. Ing Lots
- Denotes Full Depth Saw Cut Req'd.
- Denotes Prop. Perm. Drain. Ease.
- Denotes 5' Sidewalk
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

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

- Survey Information IF
- Construction Geometrics IG
- Erosion Controls Ph1 & Ph2 N18L & M18L
- Typical Sections 2A
- Drainage Descriptions 2K
- Profile Route 640 8M

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 8L
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

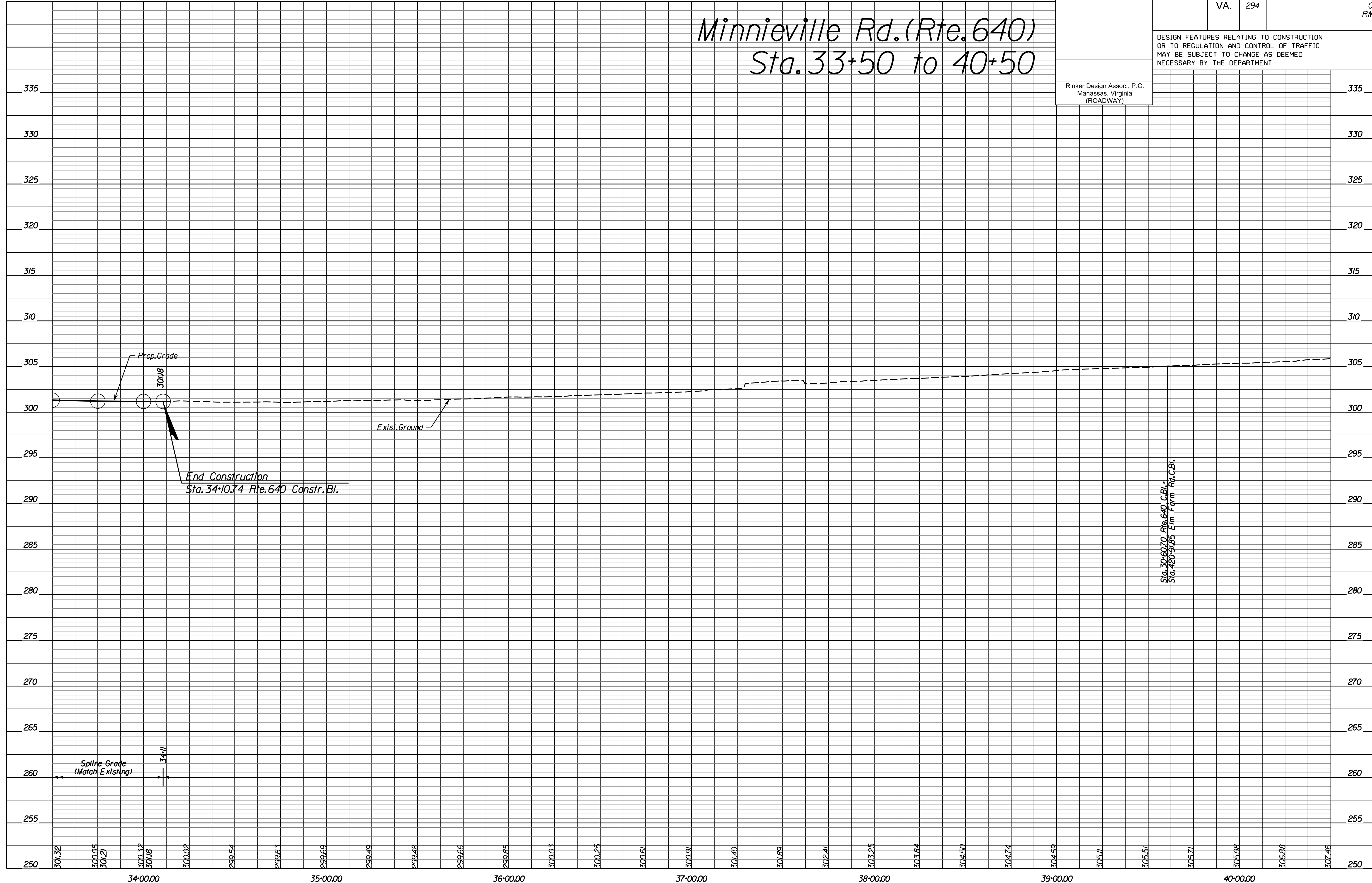
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	8M

Minnieville Rd. (Rte. 640) Sta. 33+50 to 40+50

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)



NOVA DISTRICT

4/13/2023

SCALE: HORIZ: 1"=25' VERT: 1"=5'

VDOT PROJECT NO. 0621-076-310

SHEET NO. 8M

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

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

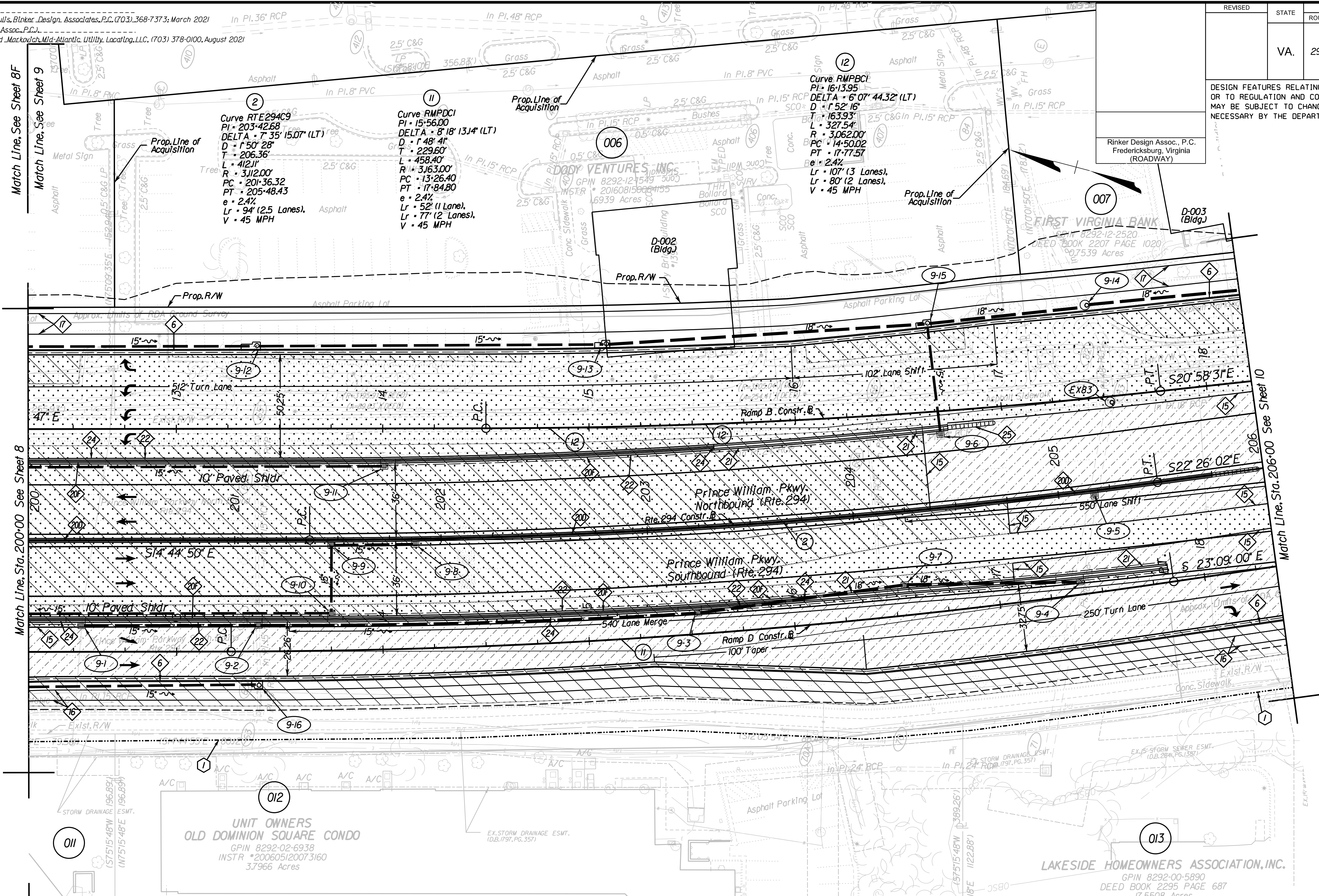
PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kouyoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)



Roadway Design Legend

- 6 - Denotes S'd. CG-6 Req'd.
- 6R - Denotes S'd. Radial CG-6 Req'd.
- 15 - Denotes Full Depth Saw Cut Req'd.
- 16 - Denotes 5' Sidewalk
- 17 - Denotes 10' Shared Use Path
- 20 - Denotes S'd. MB-7D Req'd.
- 20F - Denotes S'd. MB-7F Req'd.
- 21 - Denotes S'd. MB-8 Req'd. (Ty. I, II, or III)
- 22 - Special Design Concrete Parapet with Moment Slab
- 24 - Special Design Retaining Wall, Working Lot
- 25 - Impact attenuator, VDOT S'd. IA-I Req'd.
- C - Denotes Construction Limits In Cuts
- F - Denotes Construction Limits In Fills

Design Pattern Legend

- Denotes Limits of Full Depth Pave.
- Denotes Limits of Mill and Overlay
- Denotes Limits of Demo of Pave.

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.)

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	N(9) & N(9)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	9A
Profile Ramps B & D	9B & 9C

SCALE: 0 25' 50'

VDOT PROJECT NO. 0294-076-xxx

SHEET NO. 9

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

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

PH PLANS

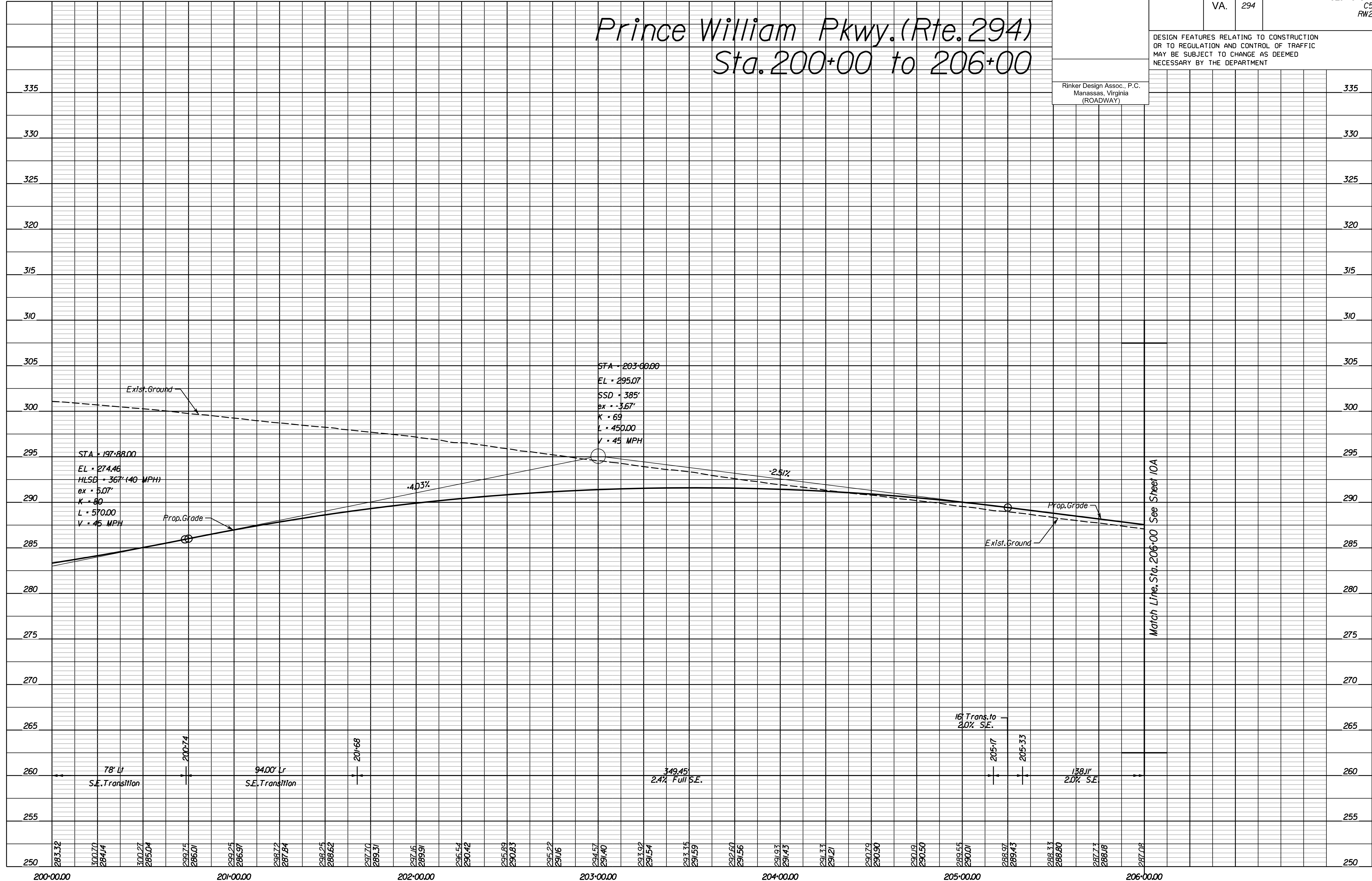
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	9A

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

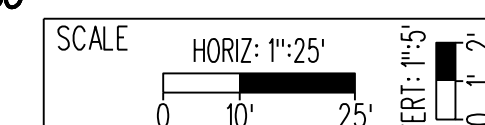
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 200+00 to 206+00



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO. 0621-076-310

SHEET NO. 9A

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

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

PH PLANS

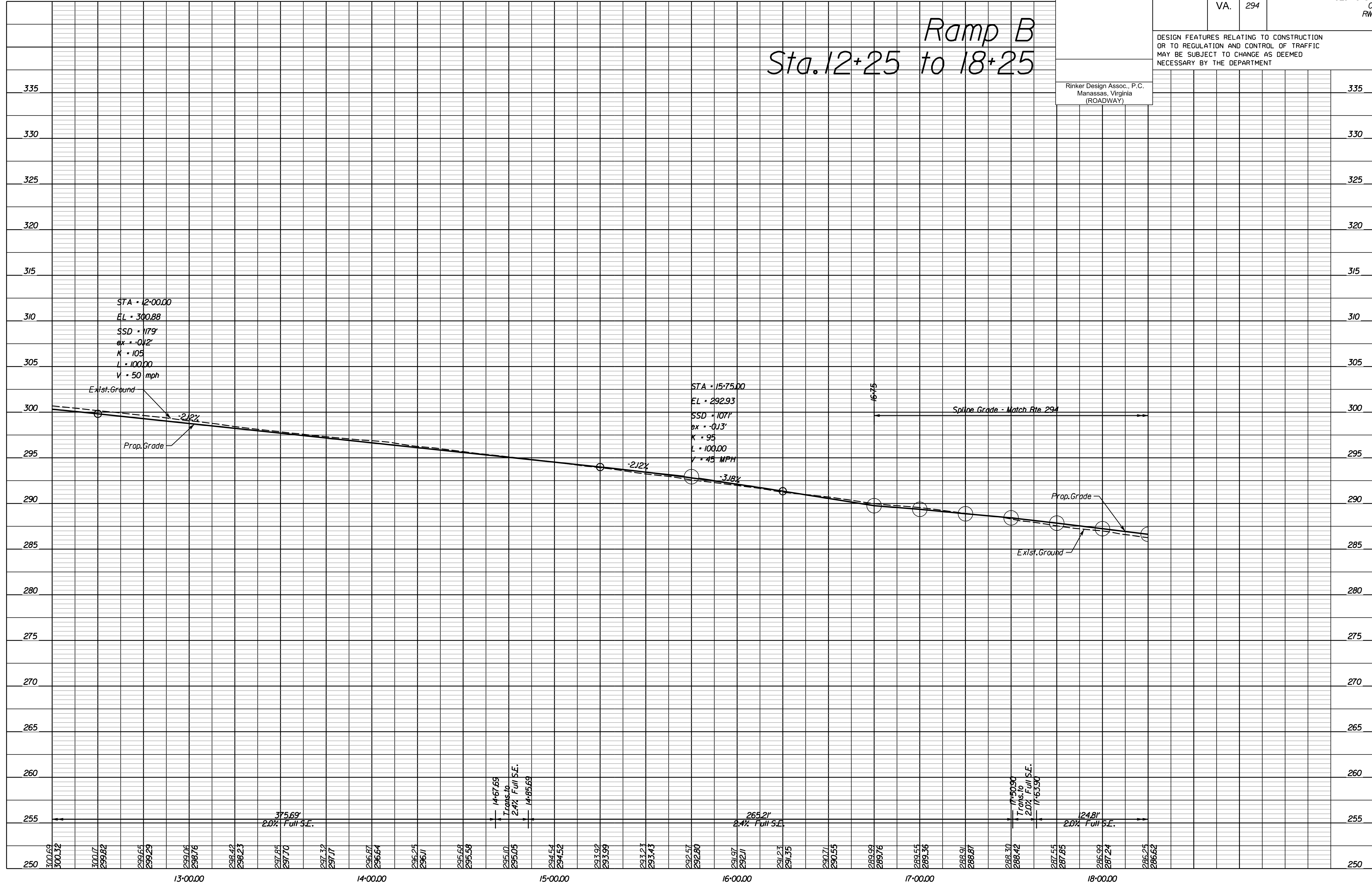
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	9B

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp B
Sta. 12+25 to 18+25



NOVA DISTRICT

4/13/2023

SCALE
HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO.
0621-076-310

SHEET NO.
9B

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

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

PH PLANS

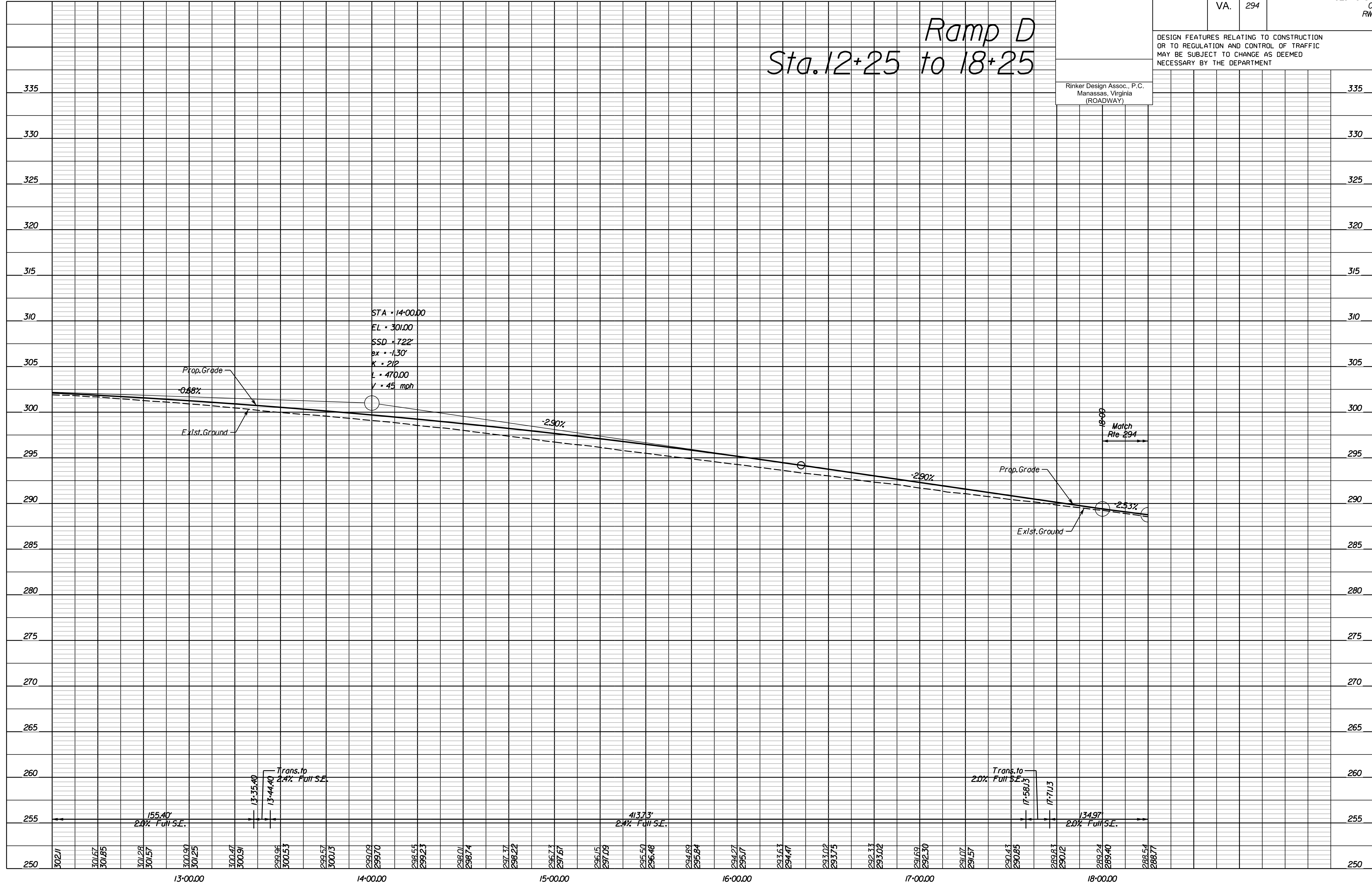
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	9C

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

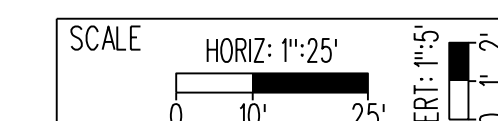
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp D
Sta. 12+25 to 18+25



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
9C

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

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

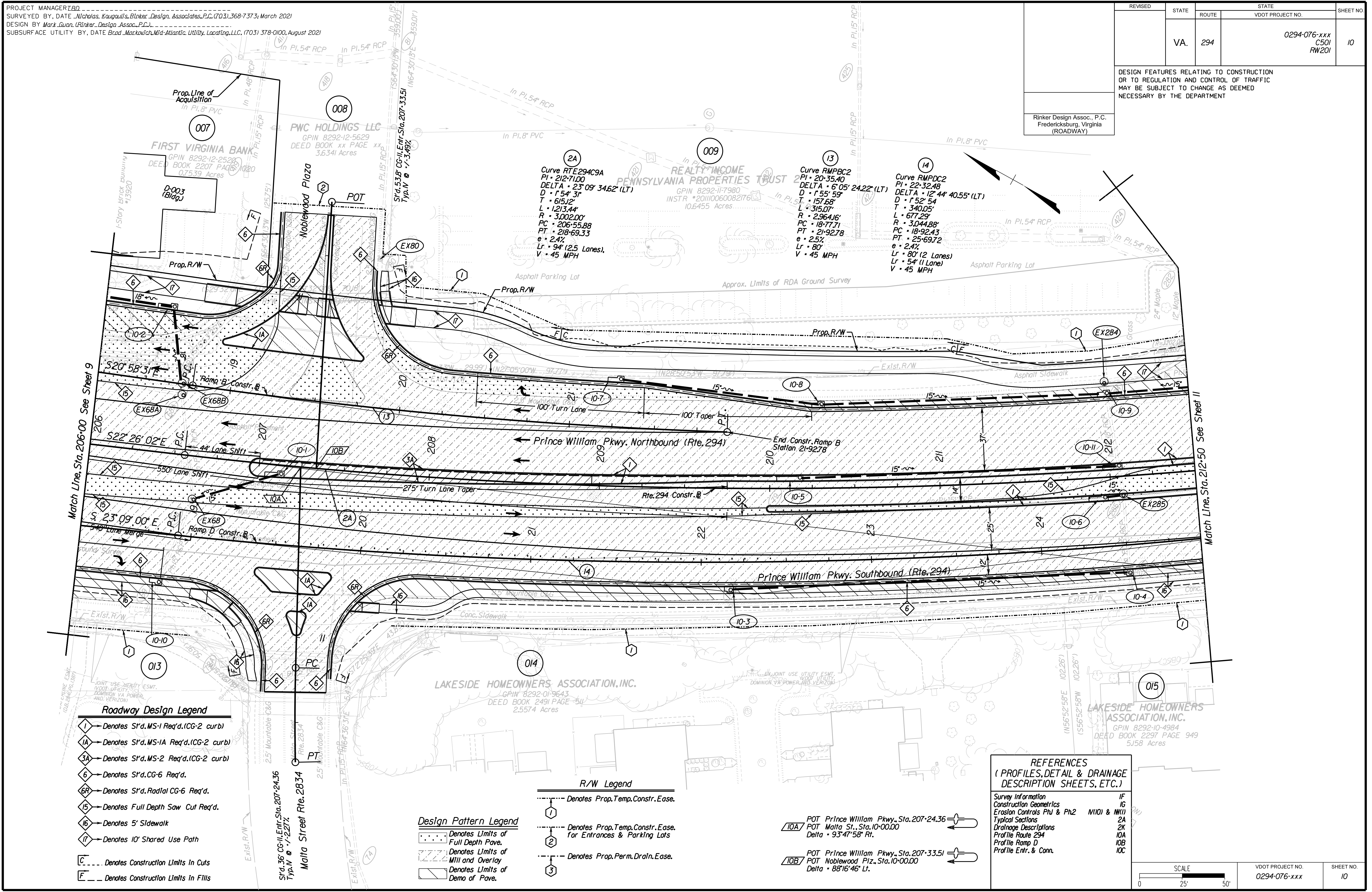
PH PLANS

PROJECT MANAGER: B.D.
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guan, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100; August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	10

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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)

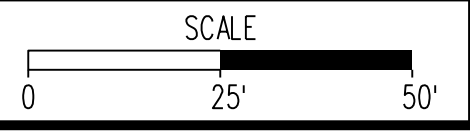


- Roadway Design Legend**
- 1 - Denotes S'd, MS-1 Req'd. (CG-2 curb)
 - 1A - Denotes S'd, MS-1A Req'd. (CG-2 curb)
 - 3A - Denotes S'd, MS-2 Req'd. (CG-2 curb)
 - 6 - Denotes S'd, CG-6 Req'd.
 - 6R - Denotes S'd, Radial CG-6 Req'd.
 - 15 - Denotes Full Depth Saw Cut Req'd.
 - 16 - Denotes 5' Sidewalk
 - 17 - Denotes 10' Shared Use Path
 - C - Denotes Construction Limits In Cuts
 - F - Denotes Construction Limits In Fills

- Design Pattern Legend**
- Denotes Limits of Full Depth Pave.
 - Denotes Limits of Mill and Overlay
 - Denotes Limits of Demo of Pave.

- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
 - Denotes Prop. Temp. Constr. Ease. For Entrances & Parking Lots
 - Denotes Prop. Perm. Drain. Ease.

- REFERENCES**
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
- Survey Information IF
 - Construction Geometrics IG
 - Erosion Controls Ph1 & Ph2 N101 & N111
 - Typical Sections 2A
 - Drainage Descriptions 2K
 - Profile Route 294 10A
 - Profile Ramp D 10B
 - Profile Entr. & Conn. 10C



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 10
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGER: JBD
 SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
 DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brod. Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

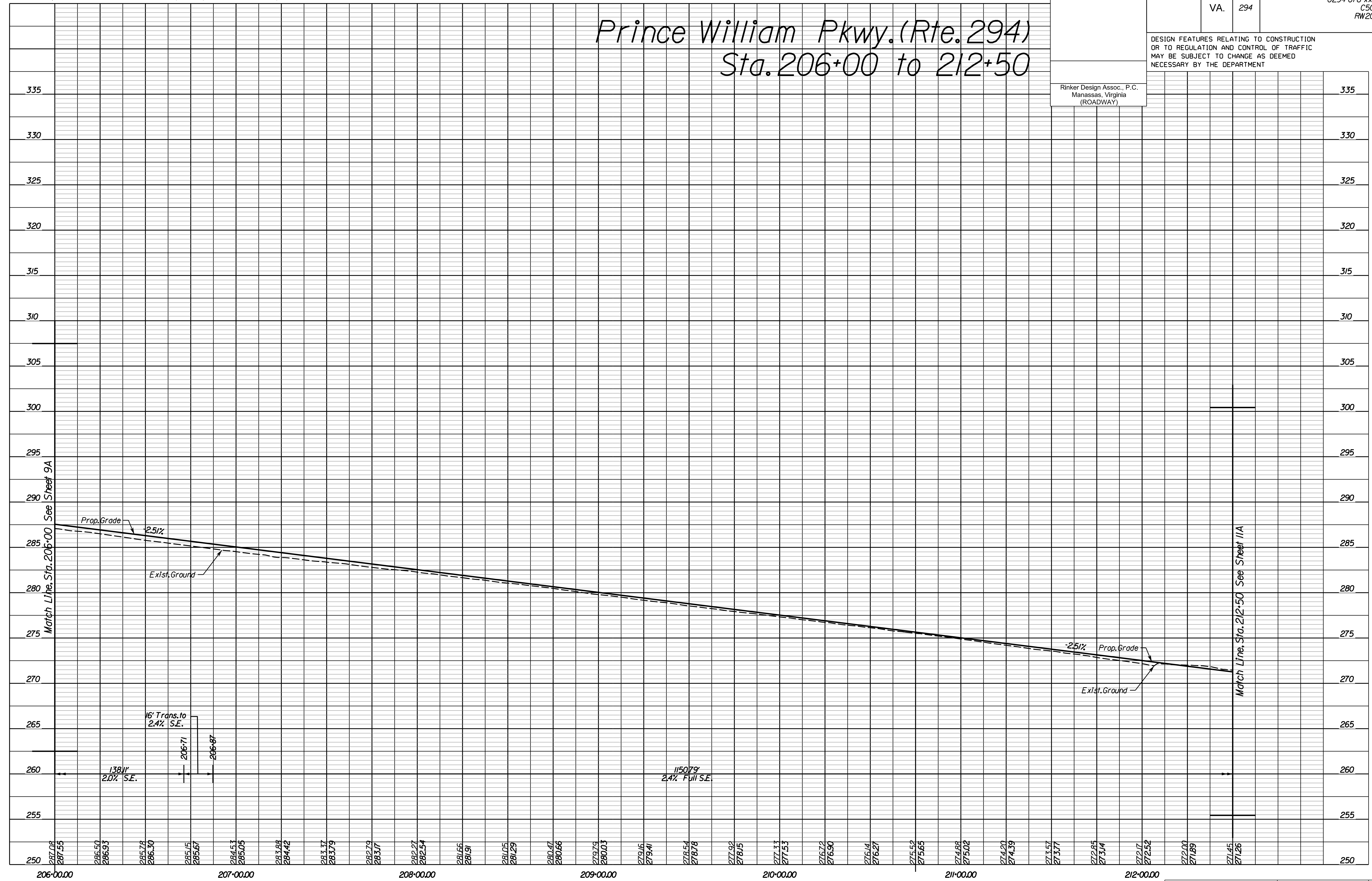
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	10A

Prince William Pkwy. (Rte. 294)

Sta. 206+00 to 212+50

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 Assoc., P.C.
 Manassas, Virginia
 (ROADWAY)



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 10A
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

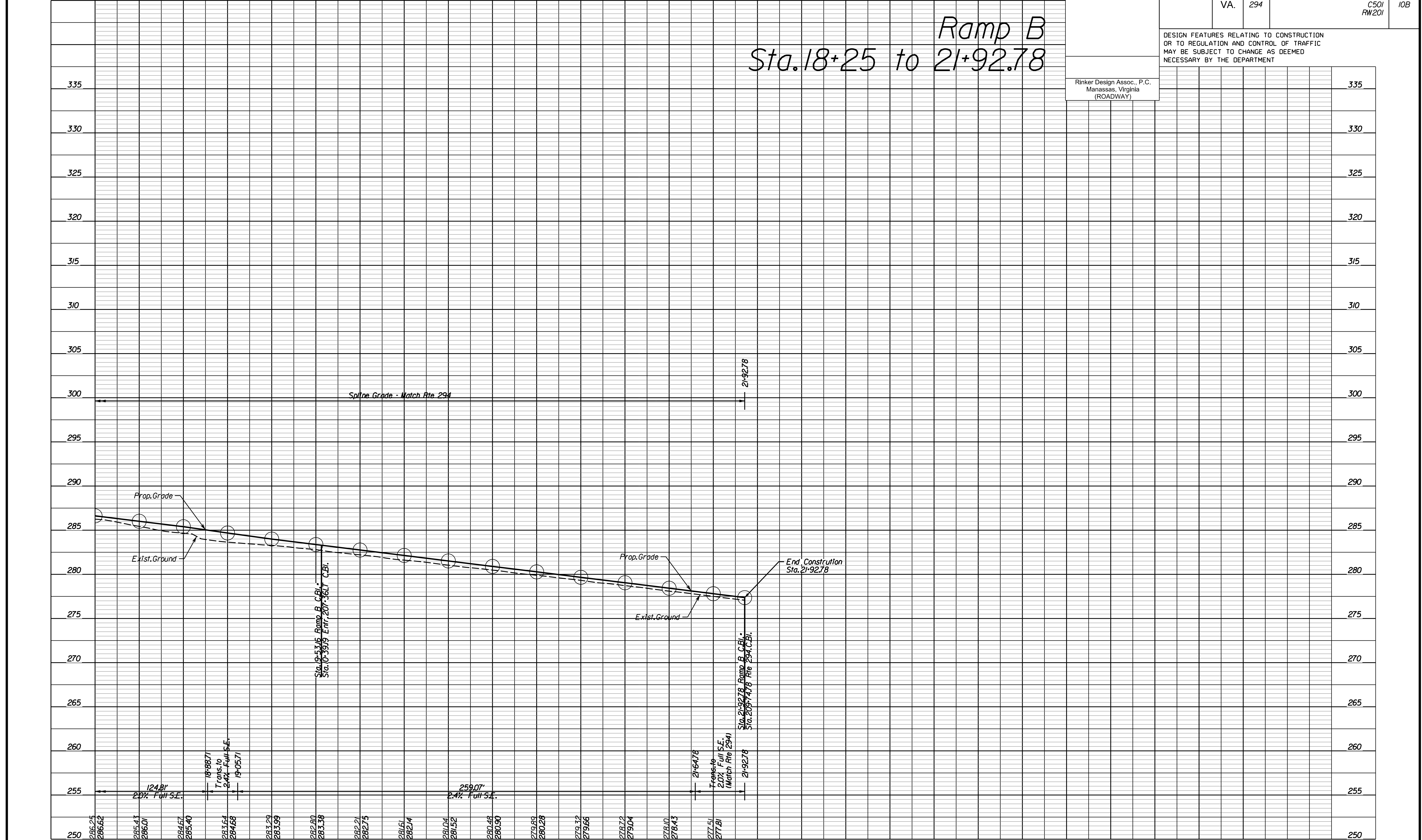
PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	10B

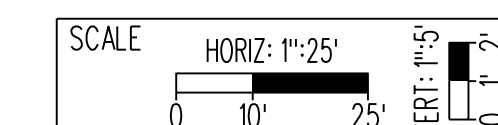
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
10B

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

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

PH PLANS

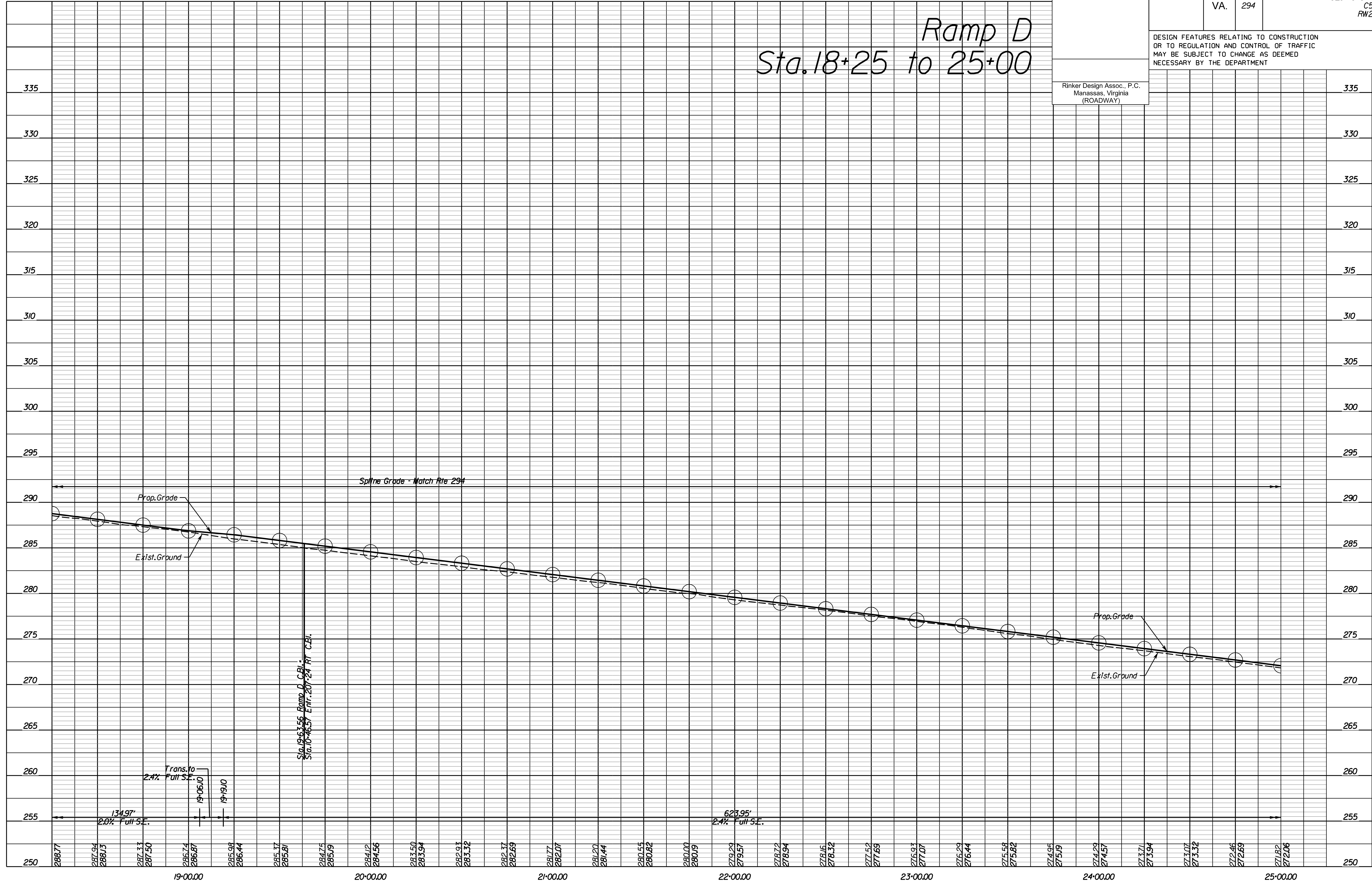
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	10C

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Ramp D
Sta. 18+25 to 25+00



NOVA DISTRICT

4/13/2023

SCALE	HORIZ: 1"=25'	VERT: 1"=5'	VDOT PROJECT NO. 0621-076-310	SHEET NO. 10C
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

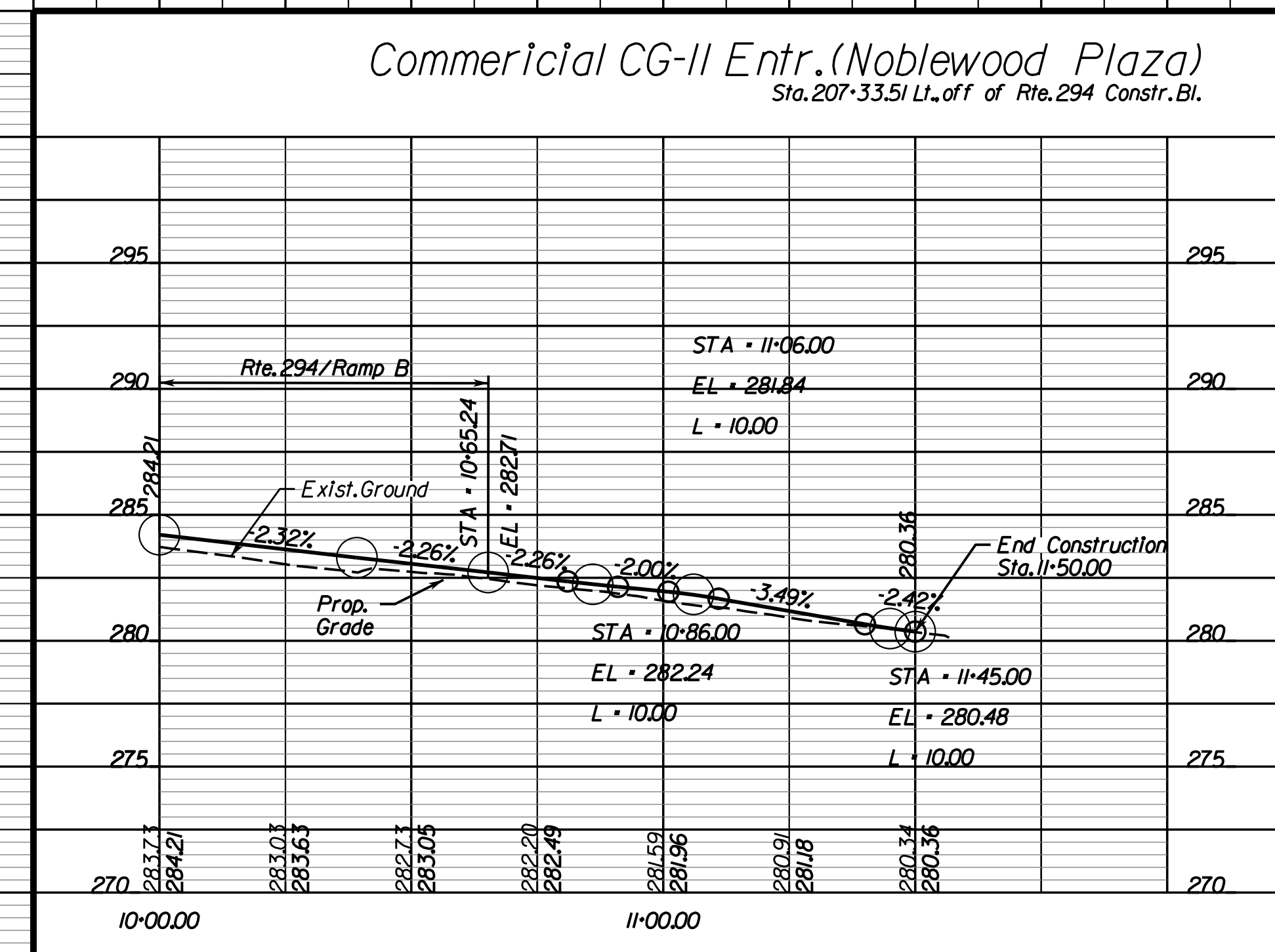
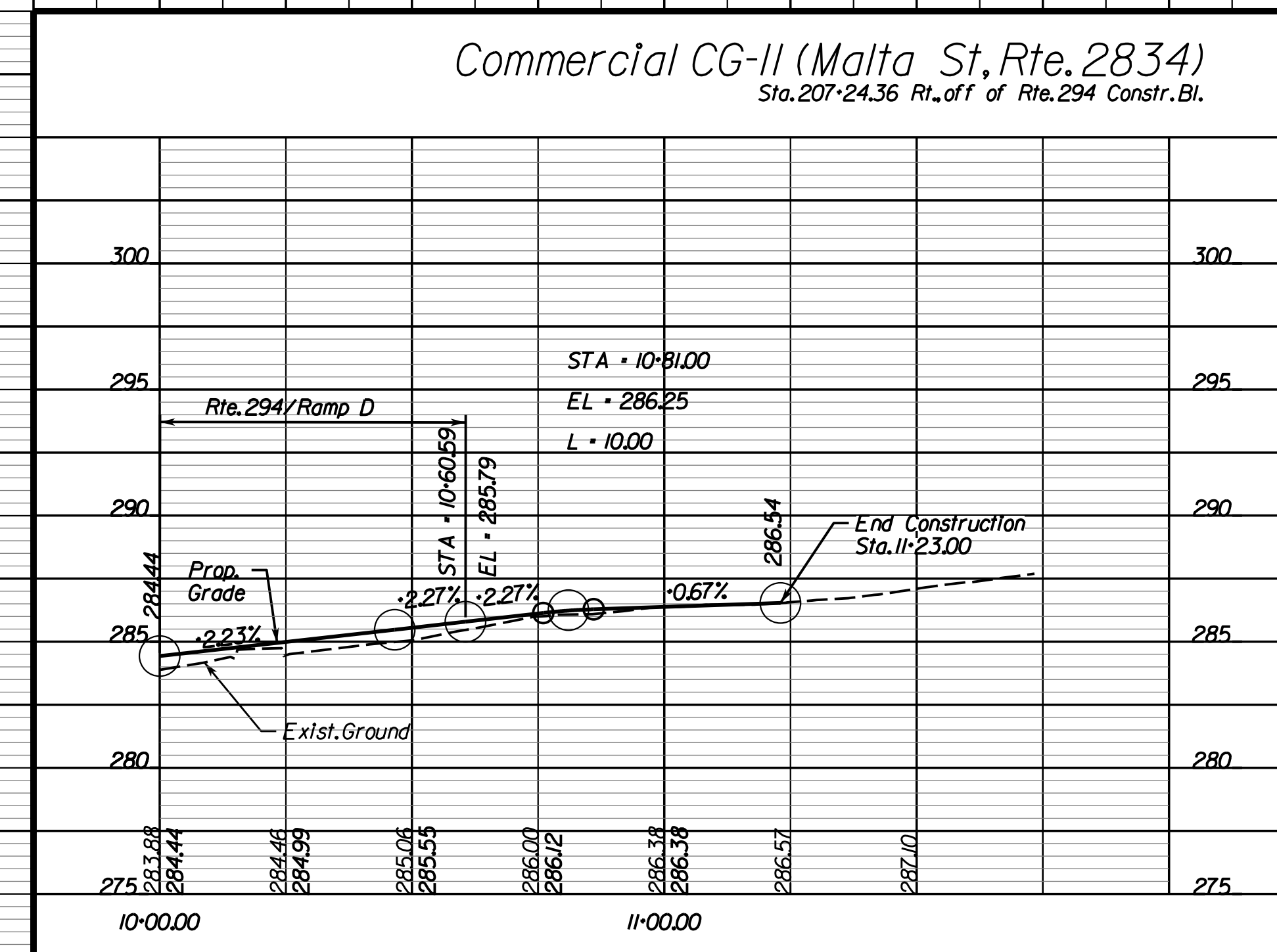
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	10D

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

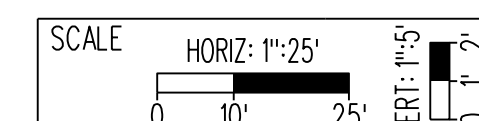
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Entrance Profiles



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO. 0621-076-310

SHEET NO. 10D

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

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

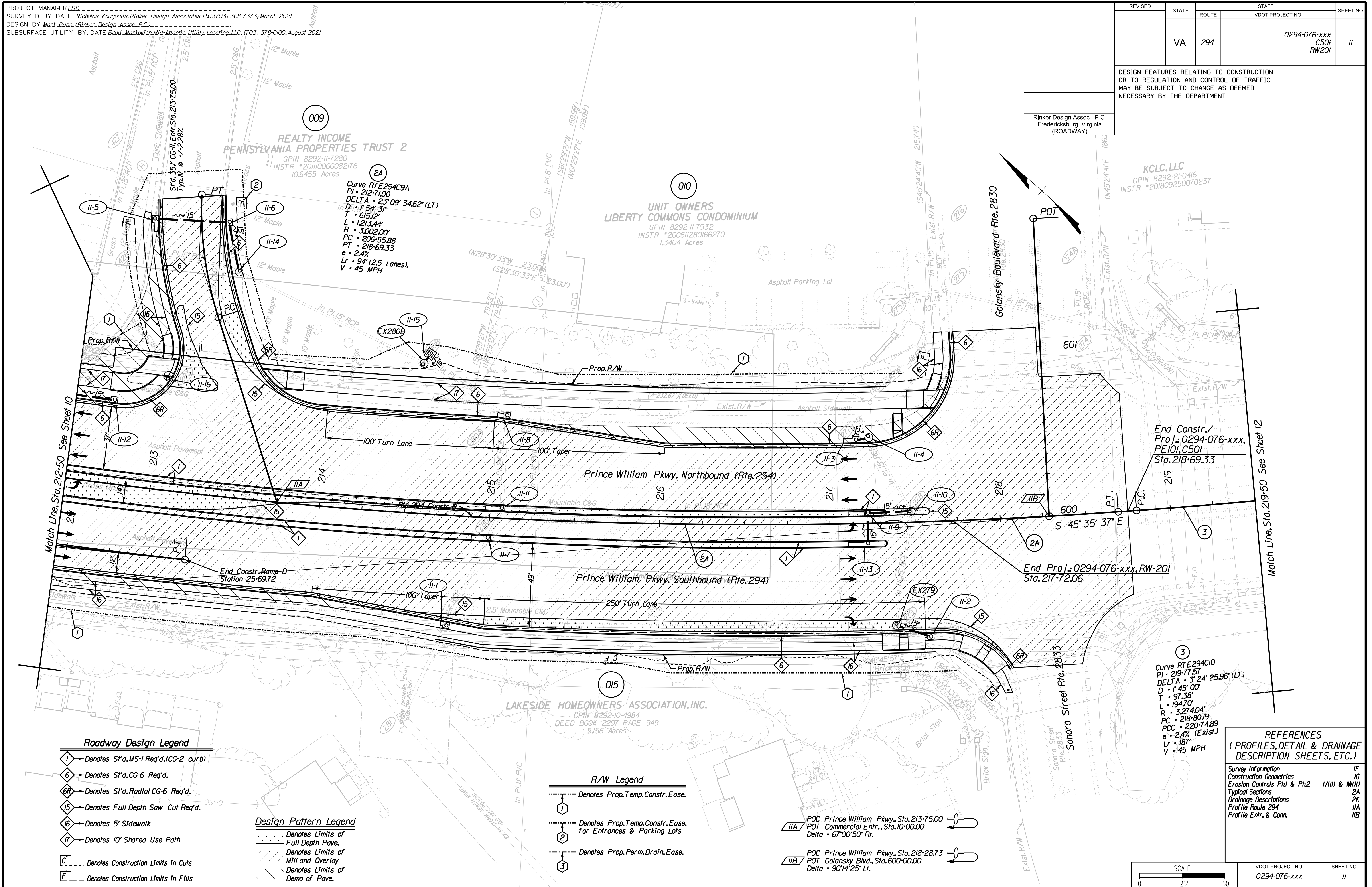
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kouyoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guan, Rinker Design Associates, P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC, (703) 378-0100; August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	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 Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)



- Roadway Design Legend**
- ① - Denotes S'd. MS-1 Req'd. (CG-2 curb)
 - ② - Denotes S'd. CG-6 Req'd.
 - ③ - Denotes S'd. Radial CG-6 Req'd.
 - ④ - Denotes Full Depth Saw Cut Req'd.
 - ⑤ - Denotes 5' Sidewalk
 - ⑥ - Denotes 10' Shared Use Path
 - C --- Denotes Construction Limits In Cuts
 - F --- Denotes Construction Limits In Fills

- Design Pattern Legend**
- ▨ - Denotes Limits of Full Depth Pave.
 - ▧ - Denotes Limits of Mill and Overlay
 - ▩ - Denotes Limits of Demo of Pave.

- 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.

- IIA POC Prince William Pkwy., Sta. 213+75.00
 POT Commercial Entr., Sta. 10+00.00
 Delta = 67°00'50" Rt.
- IIIB POC Prince William Pkwy., Sta. 218+28.73
 POT Golansky Blvd., Sta. 600+00.00
 Delta = 90°14'25" Lt.

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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	N(III) & N(III)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	11A
Profile Entr. & Conn.	11B

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	11

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

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

PH PLANS

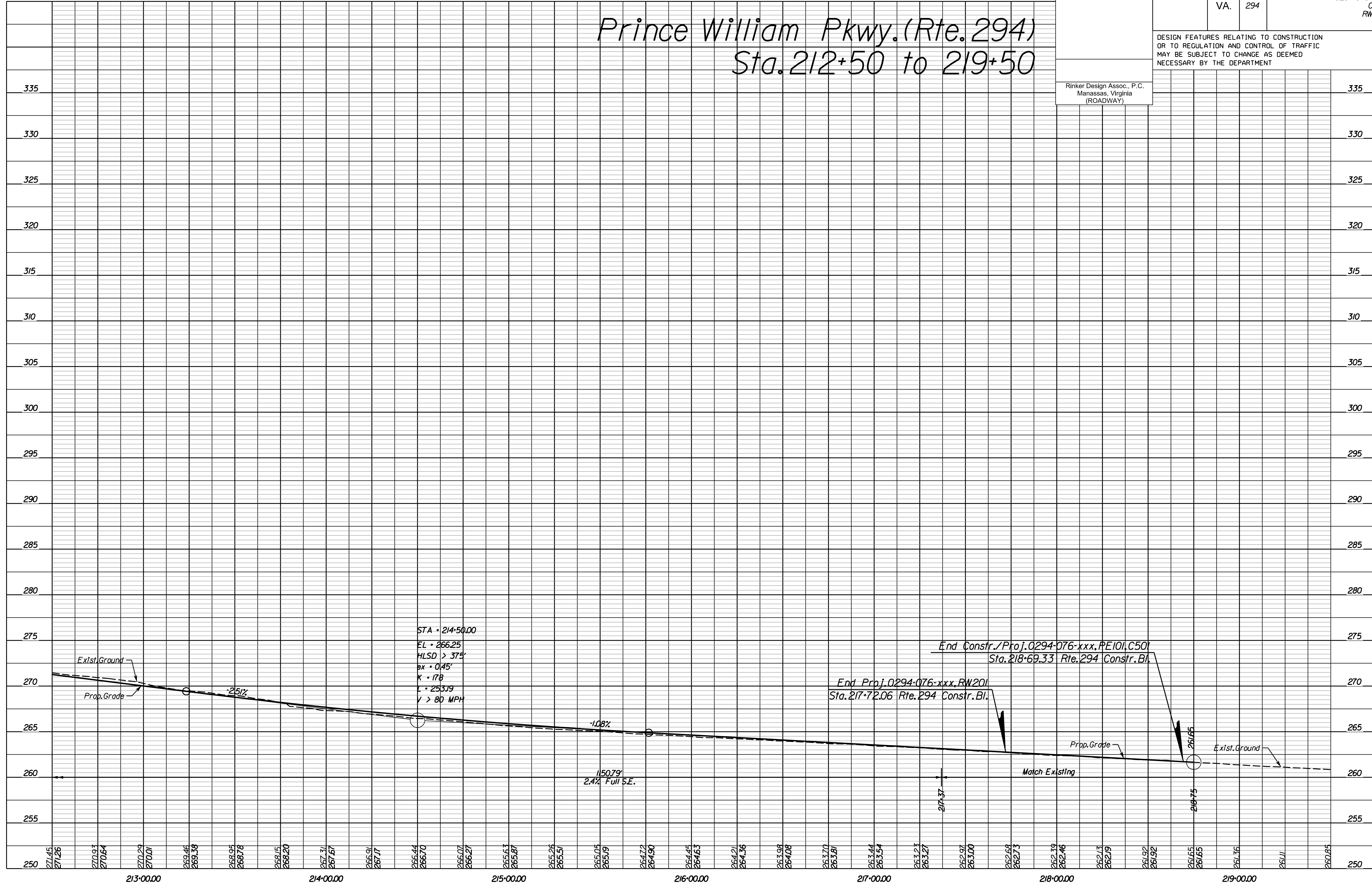
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Prince William Pkwy. (Rte. 294) Sta. 212+50 to 219+50



NOVA DISTRICT

4/13/2023

SCALE
HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO.
0621-076-310

SHEET NO.
11A

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

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PH PLANS

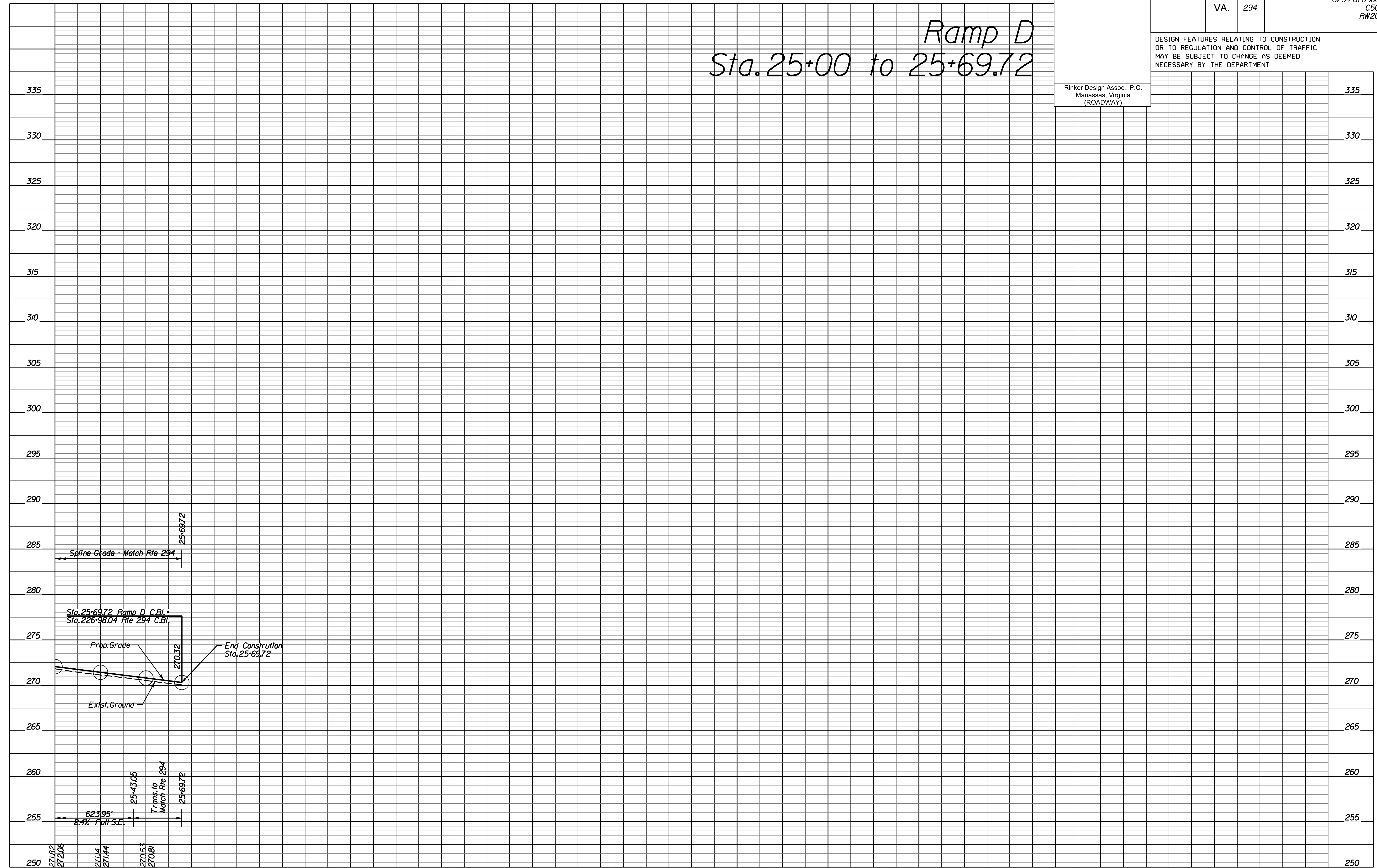
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod. Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	11B

Ramp D
Sta. 25+00 to 25+69.72

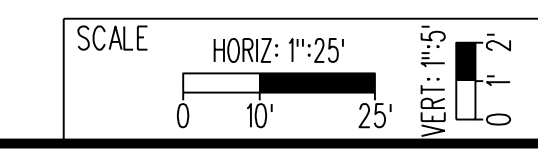
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

SHEET NO.
11B

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

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PH PLANS

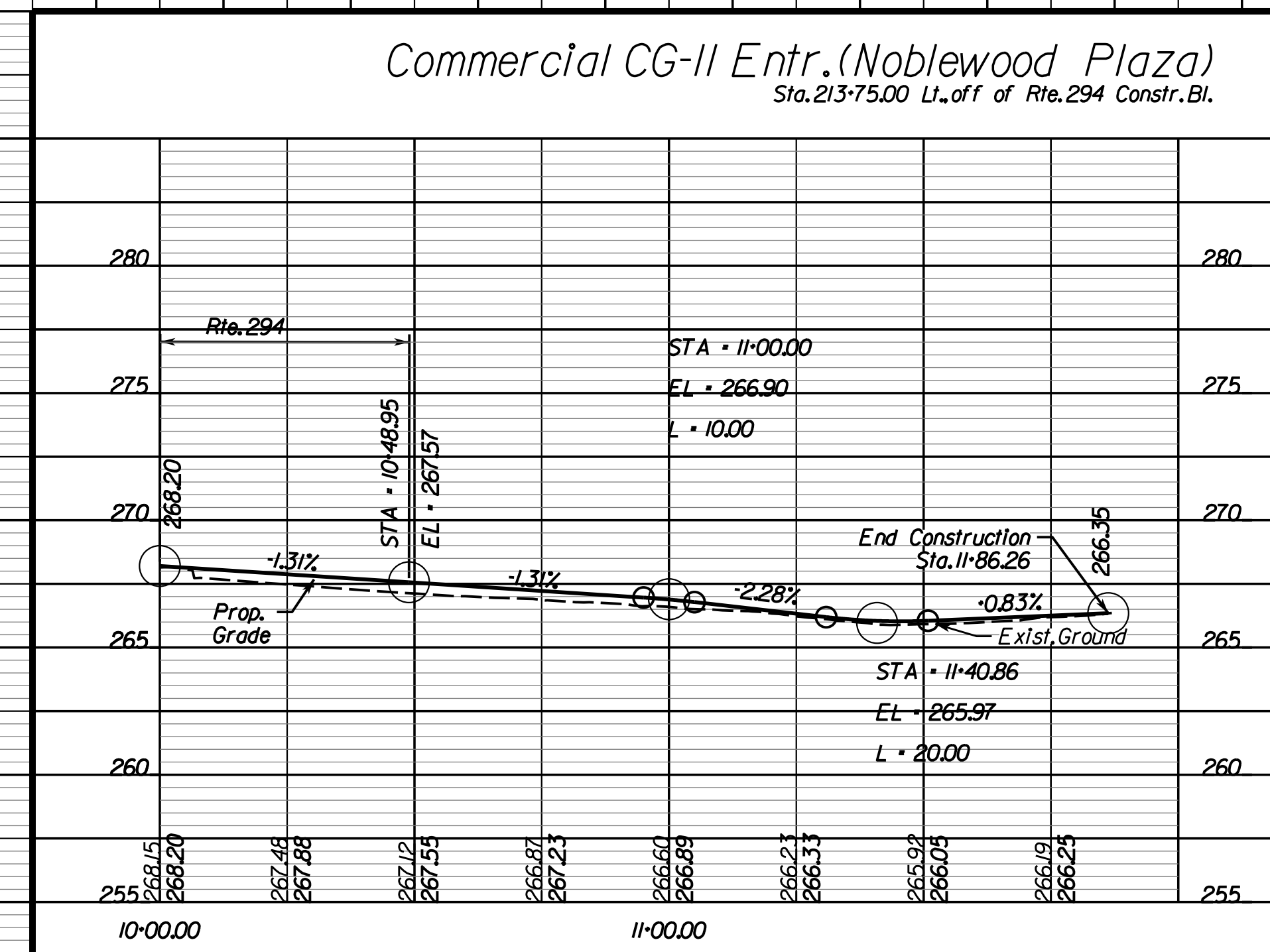
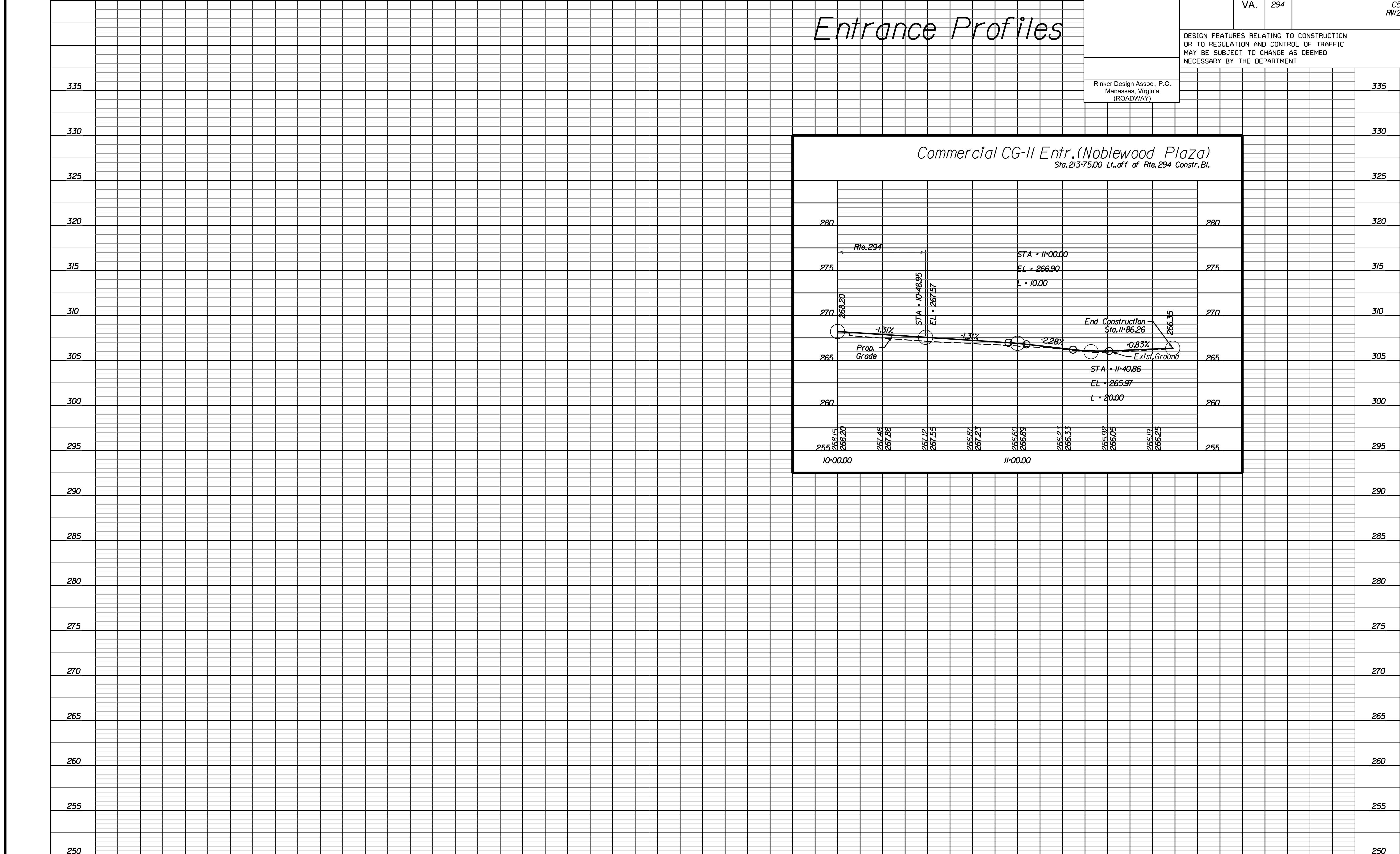
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brod Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	IIC

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

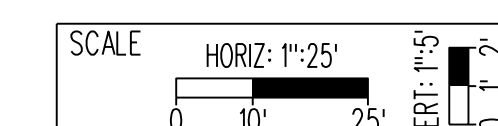
Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Entrance Profiles



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO. 0621-076-310

SHEET NO. IIC

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PH PLANS

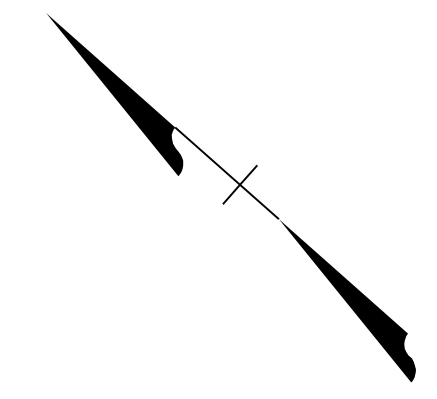
PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Rinker Design Assoc., P.C.
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	12

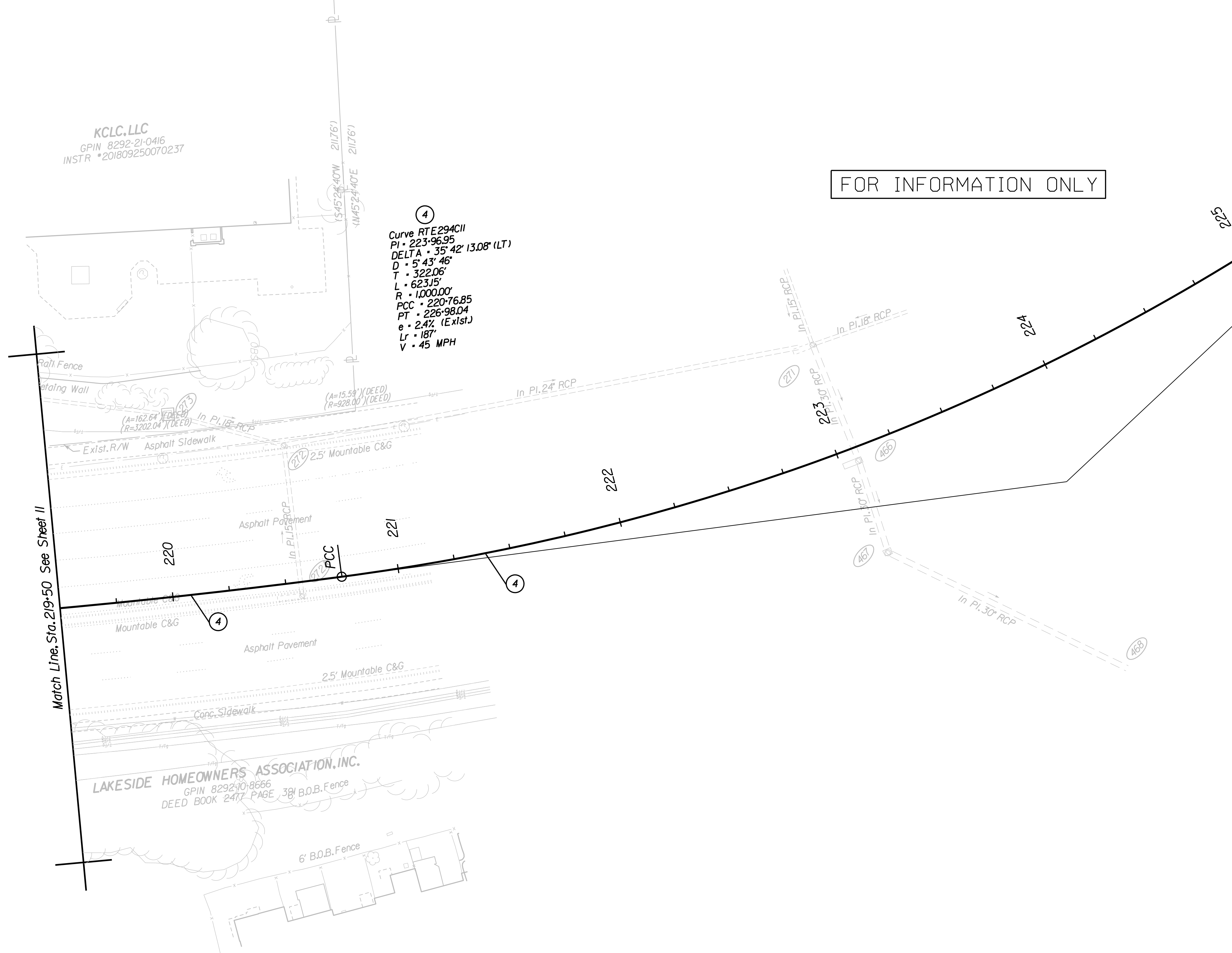
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
 Fredericksburg, Virginia
 (ROADWAY)

FOR INFORMATION ONLY



④
 Curve RTE 294CII
 PI • 223-96.95
 DELTA • 35° 42' 13.08" (LT)
 D • 5' 43' 46"
 T • 322.06'
 L • 623.15'
 R • 1,000.00'
 PCC • 220-76.85
 PT • 226-98.04
 e • 2.4% (Exist.)
 Lr • 187'
 V • 45 MPH



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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	M(12) & M(12)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 294	12A

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 12
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx CS01 RW201	12A

Prince William Pkwy. (Rte. 294)
Sta. 219+50 to 225+00

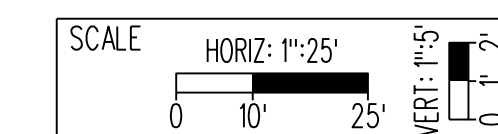
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Manassas, Virginia
(ROADWAY)



NOVA DISTRICT

4/13/2023



VDOT PROJECT NO.
0621-076-310

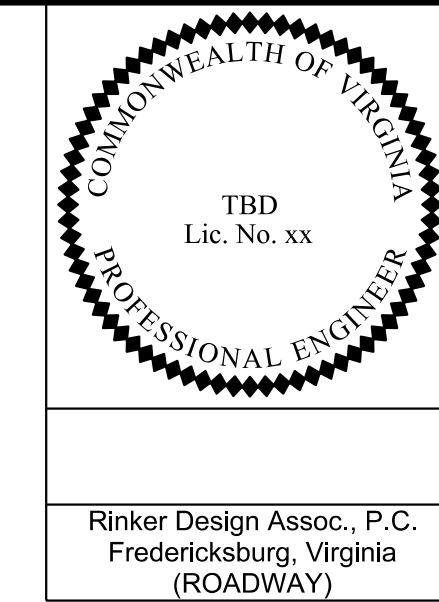
SHEET NO.
12A

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

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PH PLANS

PROJECT MANAGER TBD
SURVEYED BY, DATE Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY Mark Gunn (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

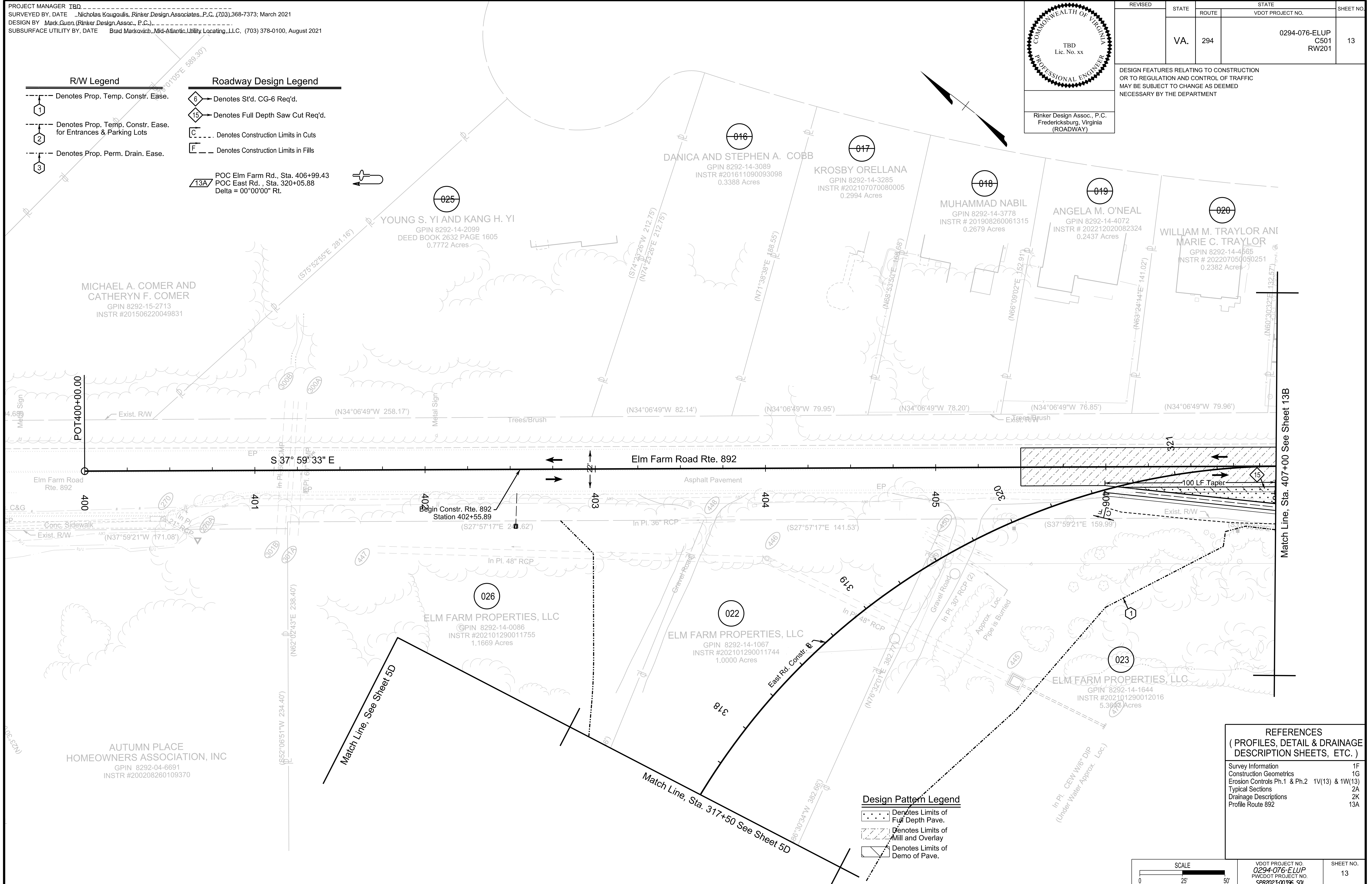


REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-ELUP C501 RW201	13

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 Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)

- 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.
- Roadway Design Legend**
- 6 Denotes St'd. CG-6 Req'd.
 - 15 Denotes Full Depth Saw Cut Req'd.
 - C Denotes Construction Limits in Cuts
 - F Denotes Construction Limits in Fills
 - 13A POC Elm Farm Rd., Sta. 406+99.43
POC East Rd., Sta. 320+05.88
Delta = 00°00'00" Rt.



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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph.1 & Ph.2	1V(13) & 1W(13)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 892	13A

Design Pattern Legend

- Denotes Limits of Full Depth Pave.
- Denotes Limits of Mill and Overlay
- Denotes Limits of Demo of Pave.



VDOT PROJECT NO. 0294-076-ELUP	SHEET NO. 13
PWCDOT PROJECT NO. SPR2023-00396 50'	

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

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PH PLANS

PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

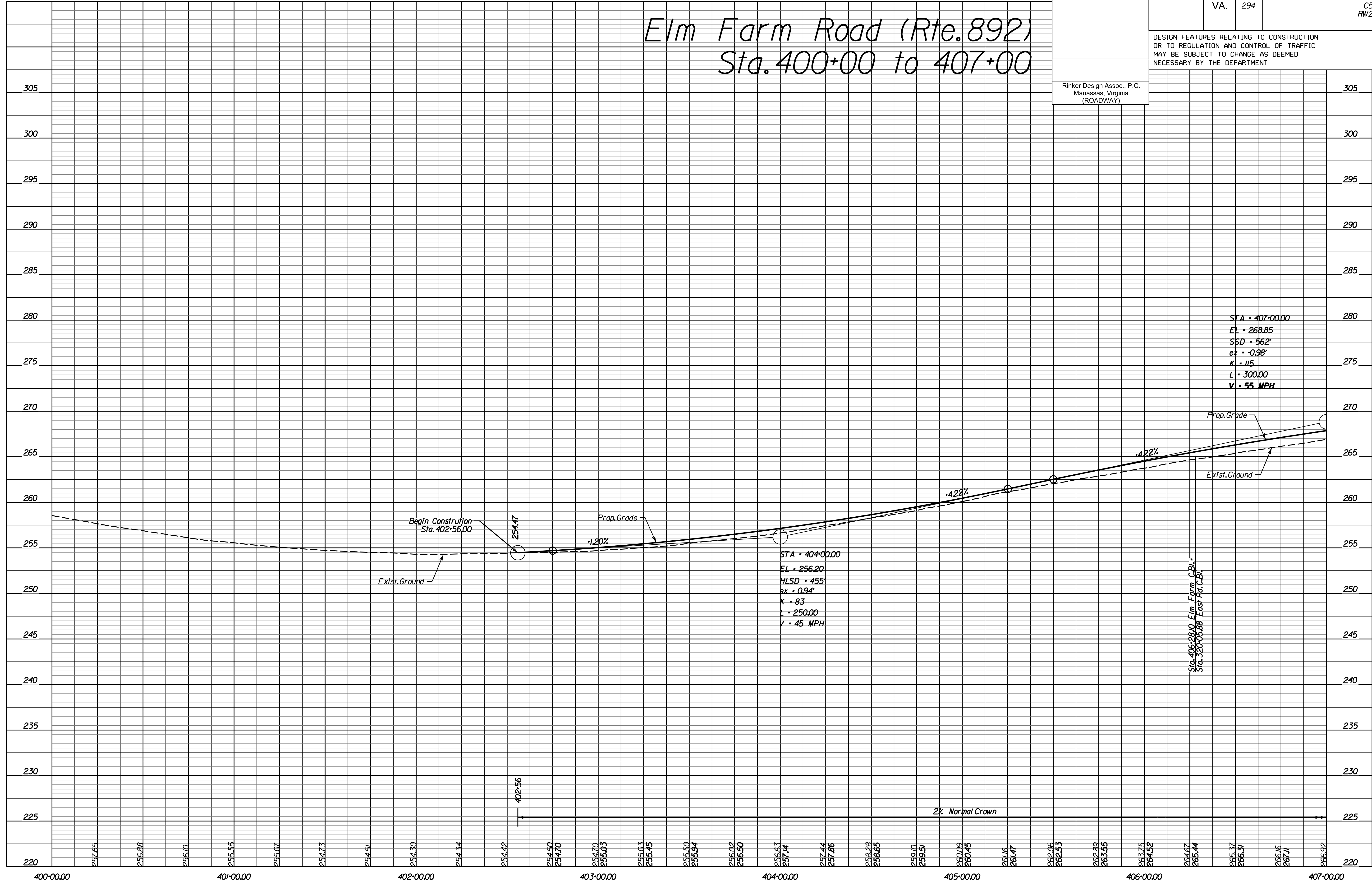
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	13A

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

305	305
300	300
295	295
290	290
285	285
280	280
275	275
270	270
265	265
260	260
255	255
250	250
245	245
240	240
235	235
230	230
225	225
220	220

Elm Farm Road (Rte. 892) Sta. 400+00 to 407+00



NOVA DISTRICT

4/13/2023

SCALE HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO. 0621-076-310

SHEET NO. 13A

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

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PH PLANS

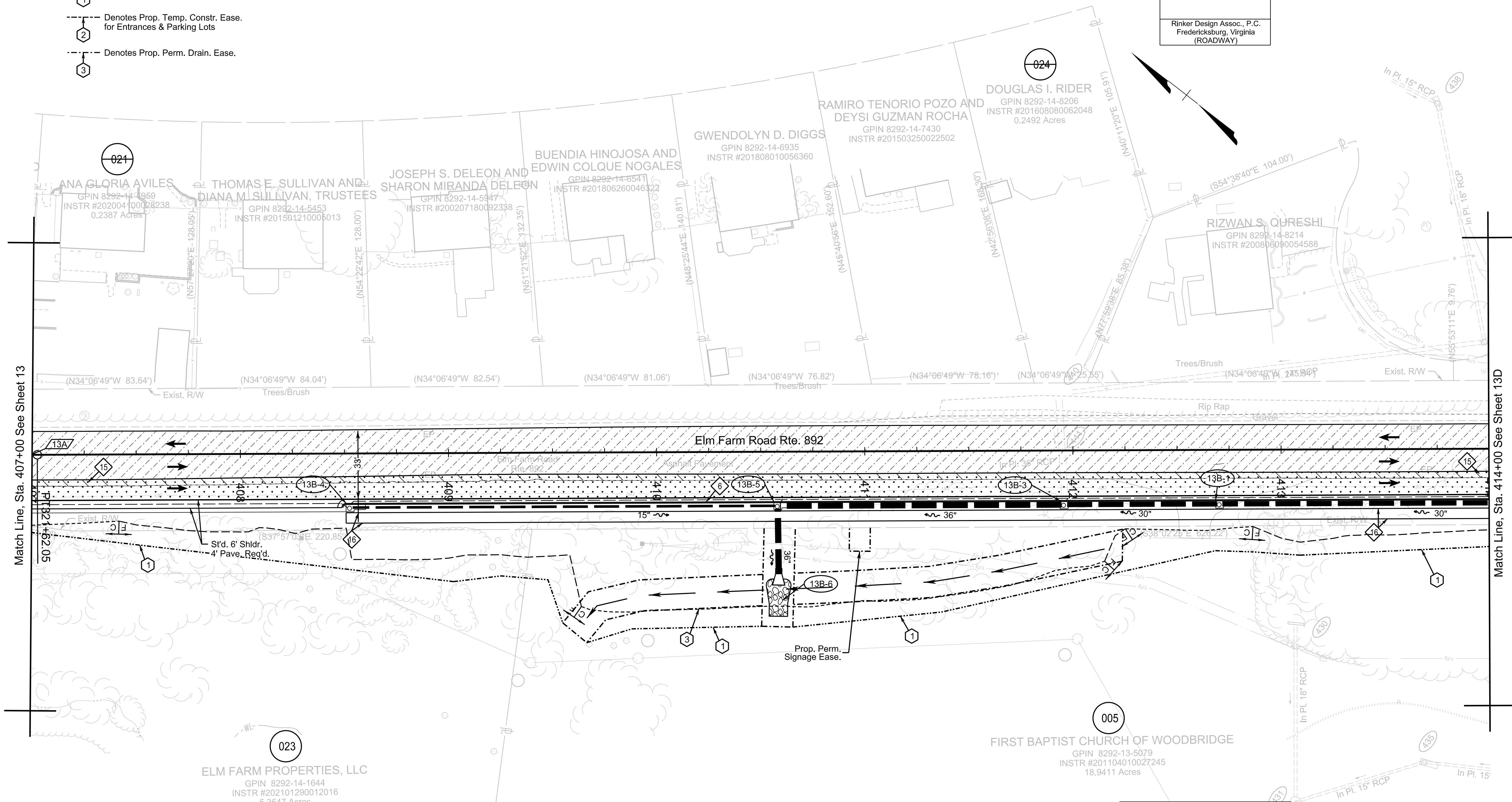
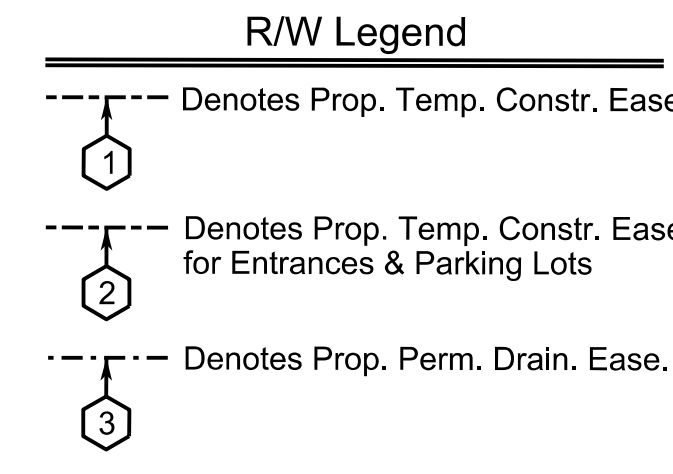
PROJECT MANAGER TBD
SURVEYED BY, DATE Nicholas Kougoulis, Rinker Design Associates, P.C. (703)368-7373; March 2021
DESIGN BY Mark Gunn (Rinker Design Assoc., P.C.)
SUBSURFACE UTILITY BY, DATE Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

COMMONWEALTH OF VIRGINIA
TBD
Lic. No. xx
PROFESSIONAL ENGINEER

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)

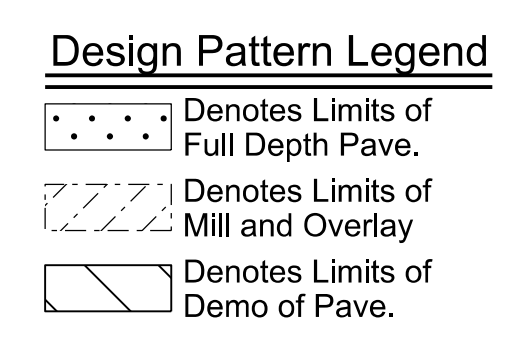
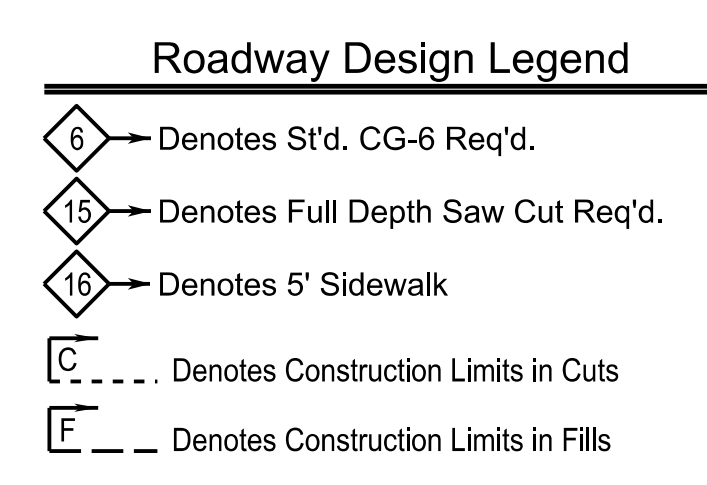
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-ELUP C501 RW201	13B

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



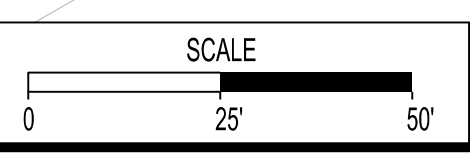
Match Line, Sta. 407+00 See Sheet 13

Match Line, Sta. 414+00 See Sheet 13D



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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph.1 & Ph.2 1V(13B) & 1W(13B)	1V
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 892	13C



VDOT PROJECT NO. 0294-076-ELUP PWCDOT PROJECT NO. SPR2023-00396 SQ	SHEET NO. 13B
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

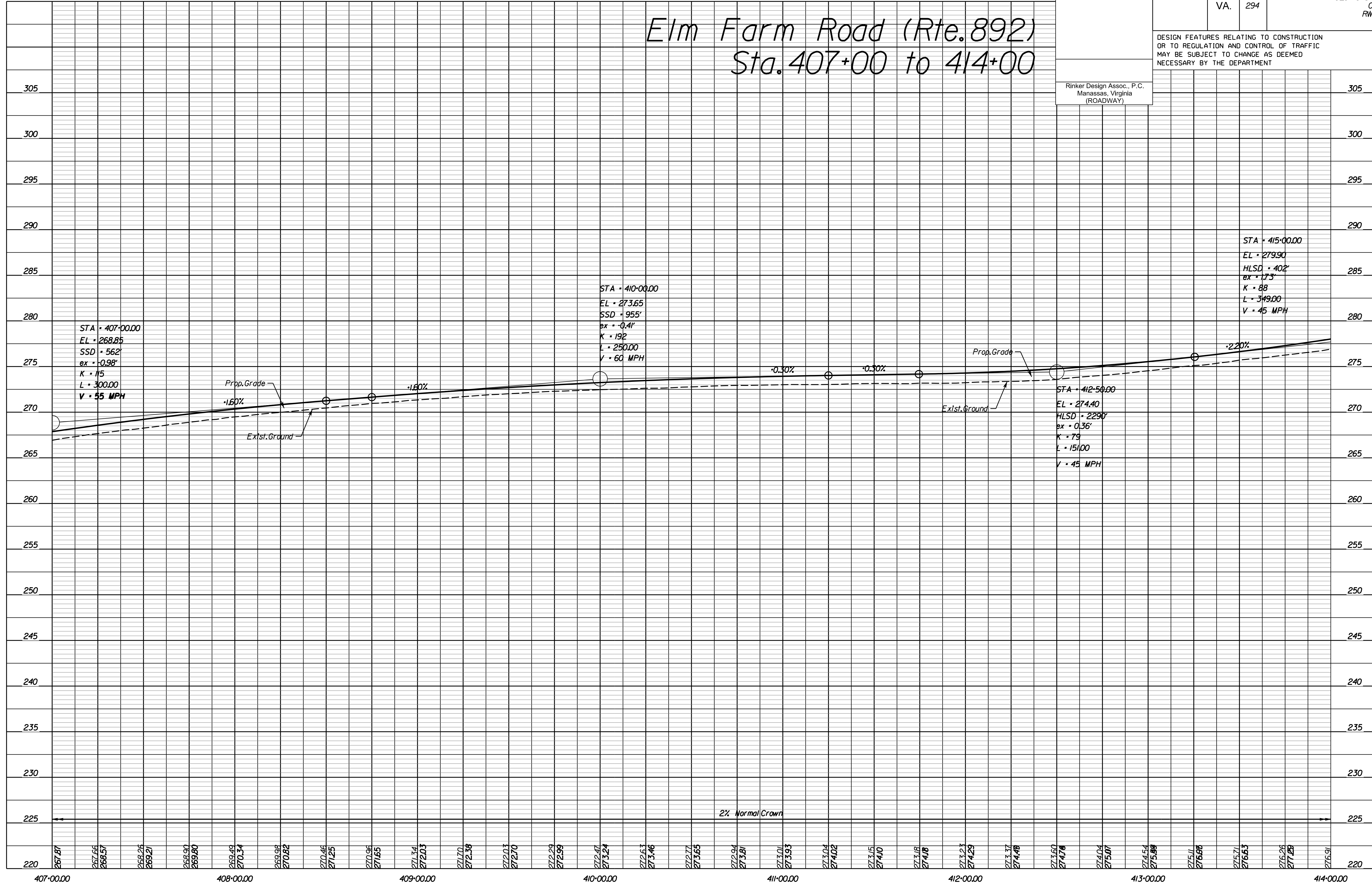
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kouyoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovitch, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO
	VA.	294	0294-076-xxx CS01 RW201	13C

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Elm Farm Road (Rte. 892) Sta. 407+00 to 414+00



NOVA DISTRICT

4/13/2023

SCALE: HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO: 0621-076-310

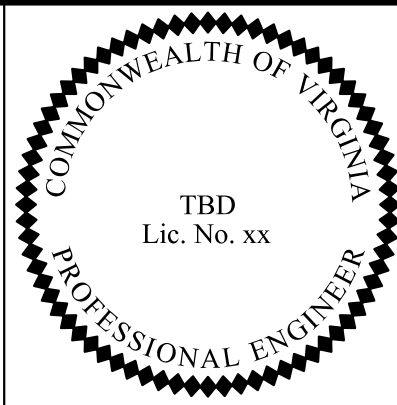
SHEET NO: 13C

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

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PH PLANS

PROJECT MANAGER TBD
 SURVEYED BY, DATE Nicholas Kougoulis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY Mark Gunn (Rinker Design Assoc., P.C.)
 SUBSURFACE UTILITY BY, DATE Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

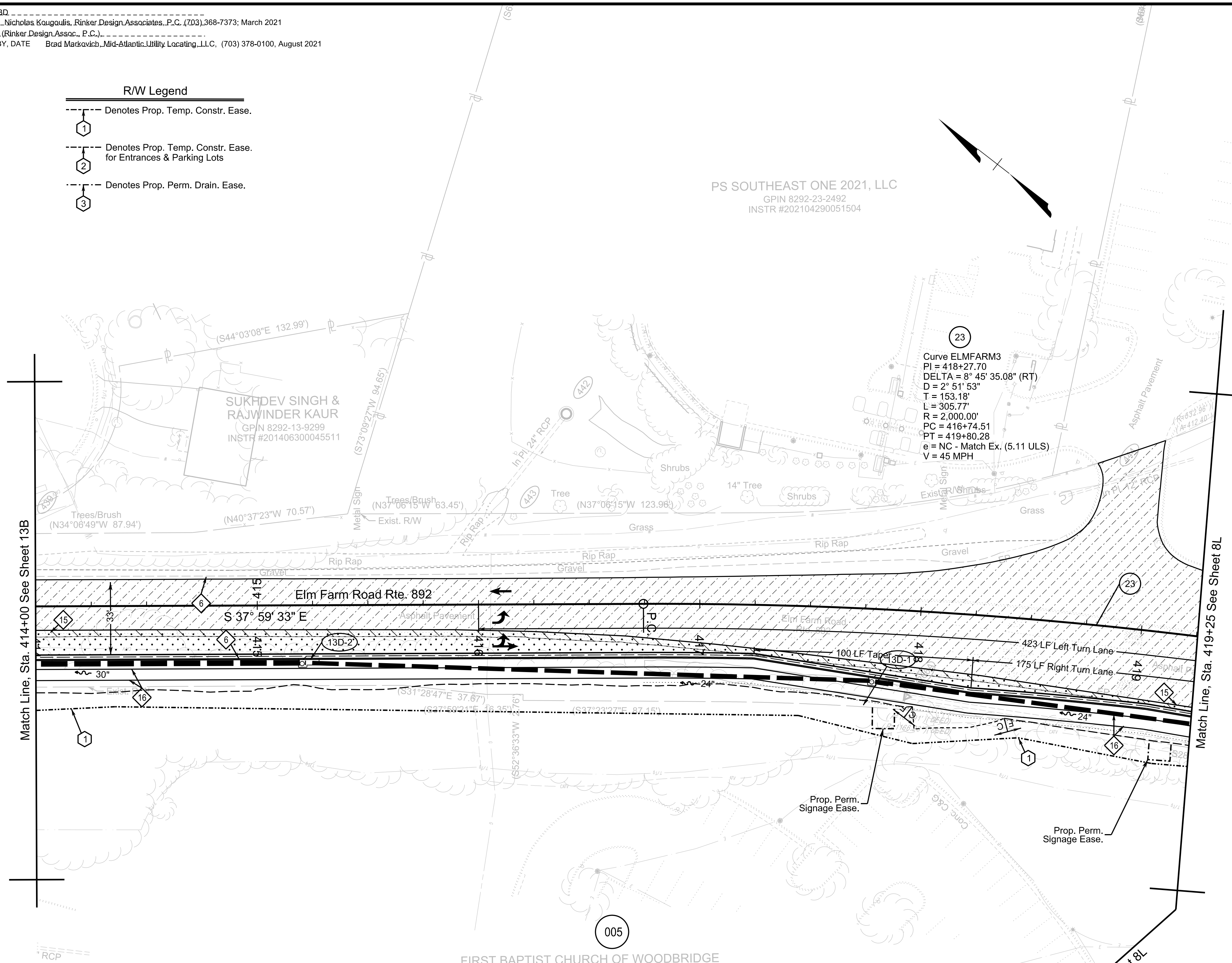


Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)

REVISED	STATE	ROUTE	STATE VDOT PROJECT NO.	SHEET NO.
	VA.	294	0294-076-ELUP C501 RW201	13D

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

- R/W Legend**
- Denotes Prop. Temp. Constr. Ease.
 - ① Denotes Prop. Temp. Constr. Ease. for Entrances & Parking Lots
 - ③ Denotes Prop. Perm. Drain. Ease.

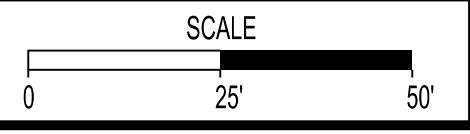


- Roadway Design Legend**
- ⑥ Denotes St'd. CG-6 Req'd.
 - ⑥R Denotes St'd. Radial CG-6 Req'd.
 - ⑮ Denotes Full Depth Saw Cut Req'd.
 - ⑯ Denotes 5' Sidewalk
 - C --- Denotes Construction Limits in Cuts
 - F --- Denotes Construction Limits in Fills

- Design Pattern Legend**
- Denotes Limits of Full Depth Pave.
 - ||||| Denotes Limits of Mill and Overlay
 - //// Denotes Limits of Demo of Pave.

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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph.1 & Ph.2V(13D) & 1W(13D)	1W(13D)
Typical Sections	2A
Drainage Descriptions	2K
Profile Route 892	13E



VDOT PROJECT NO. 0294-076-ELUP PWCDOT PROJECT NO. SPR2023-00396 501	SHEET NO. 13D
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

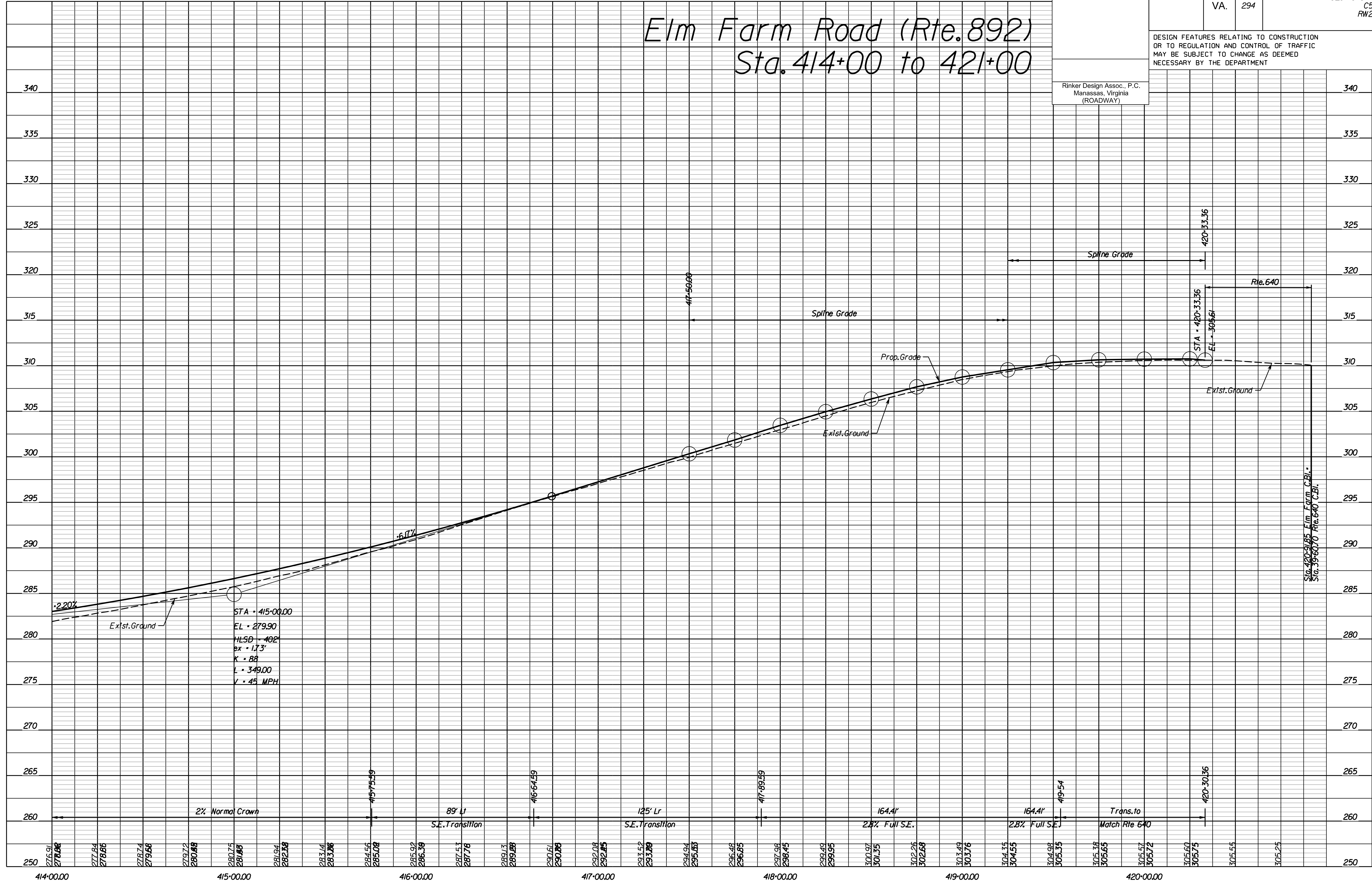
PROJECT MANAGER: JBD
SURVEYED BY, DATE: Nicholas Kougoulis, Rinker Design Associates, P.C., (703) 368-7373, March 2021
DESIGN BY: Mark Gunn, Rinker Design Assoc., P.C., (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Markovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	294	0294-076-xxx C501 RW201	13E

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 Assoc., P.C.
Manassas, Virginia
(ROADWAY)

Elm Farm Road (Rte. 892) Sta. 414+00 to 421+00



STA • 415+00.00
 EL • 279.90
 H.L.S.D. • 402'
 Pk • 1.73'
 K • 88
 L • 349.00
 V • 45 MPH

Sta. 420+91.85 Elm Farm CBI
 Sta. 39+60.70 Rte. 640 CBI

NOVA DISTRICT

4/13/2023

SCALE HORIZ: 1"=25'
VERT: 1"=5'

VDOT PROJECT NO.
0621-076-310

SHEET NO.
13E

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

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PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Associates, P.C.
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	13F

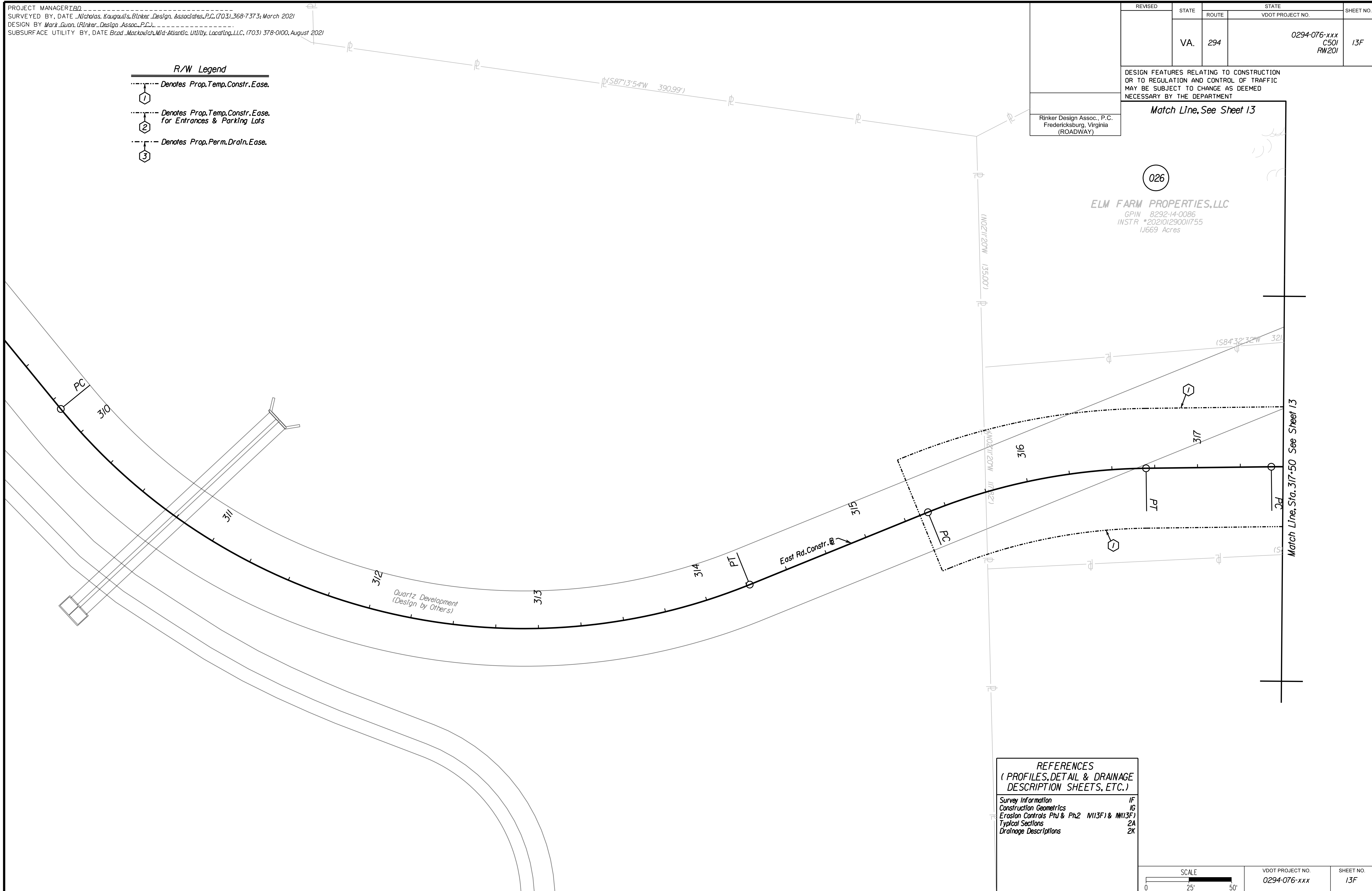
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Match Line, See Sheet 13

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(ROADWAY)

- 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. Perm. Drain. Ease.

026
ELM FARM PROPERTIES, LLC
 GPIN 8292-14-0086
 INSTR *202101290011755
 11669 Acres



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

Survey Information	1F
Construction Geometrics	1G
Erosion Controls Ph1 & Ph2	N113F1 & M113F1
Typical Sections	2A
Drainage Descriptions	2K

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 13F
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: *Nicholas Kougoullis, Bloker Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guon, Bloker Design Assoc., P.C. (703) 368-7373*
SUBSURFACE UTILITY BY, DATE: *Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021*

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	14(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 Assoc., P.C. Fredericksburg, Virginia (TRAFFIC)					

STANDARD TRAFFIC SIGNAL LEGEND

PLAN ITEM	PLAN SYMBOL		PLAN ITEM	PLAN SYMBOL	
	PROPOSED	EXISTING		PROPOSED	EXISTING
Metal Signal Pole & Foundation and Mast Arm (As noted in Signal Pole Legend)			Electrical Service Meter		
Pedestal Pole and Foundation (Std. PF-2)			Electrical Service Safety Switch (Disconnect)		
Pedestal Pole and Foundation (Std. PA-3)			Controller Cabinet Ground Mounted		
Traffic Signal Head w/ Backplate			Controller Cabinet Pole Mounted		
Traffic Signal Head w/o Backplate			Master Controller Cabinet Ground Mounted		
Pedestrian Signal Head			Master Controller Cabinet Pole Mounted		
Pedestrian Pushbutton & Sign			Std. CF-1		
Traffic Signal Sign Mast Arm or Span Wire Mt'd. Pole Mounted			Controller Cabinet & Foundation Std. CF-3		
Emergency Vehicle Pre-emption (EVP) Sensor w/ Conf. Light			Controller Cabinet & Foundation Std. CF-4		
Emergency Vehicle Pre-emption (EVP) Sensor w/o Conf. Light			Std. CF-1		
Video Detection Camera (360 Degree)			Master Controller Cabinet & Foundation Std. CF-3		
Junction Box (Std. as noted on plans)			Master Controller Cabinet & Foundation Std. CF-4		
Signal Luminaire (250 W) and Arm			Uninterruptible Power Supply Cabinet		
Signal Luminaire (400 W) and Arm					
Loop Detector (Size as noted on plans)					
Video Detection Zone (Size as noted on plans)					
Conduit					

LABELS

Signal Pole or Controller		Proposed Signal Head		Signal Phasing		Sign	
Cable and Conduit		Existing Signal Head		Pedestrian Phasing		Video Detection Camera	
Junction Box		Proposed Pedestrian Signal Head				Emergency Preemption Detector	
		Existing Pedestrian Signal Head					

NOT PROVIDED WITH THIS SUBMISSION

- General Notes for Signals
- Cable and Conduit Runs
- Color Sequence Chart
- Initial Timing Chart
- Non-Standard Sign Details
- POWER/COMM Connection (to be coordinated in the future)

**TRAFFIC SIGNAL
INDEX OF SHEETS, GENERAL NOTES,
& LEGENDS**

Prince William County, Virginia

VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 14(1)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

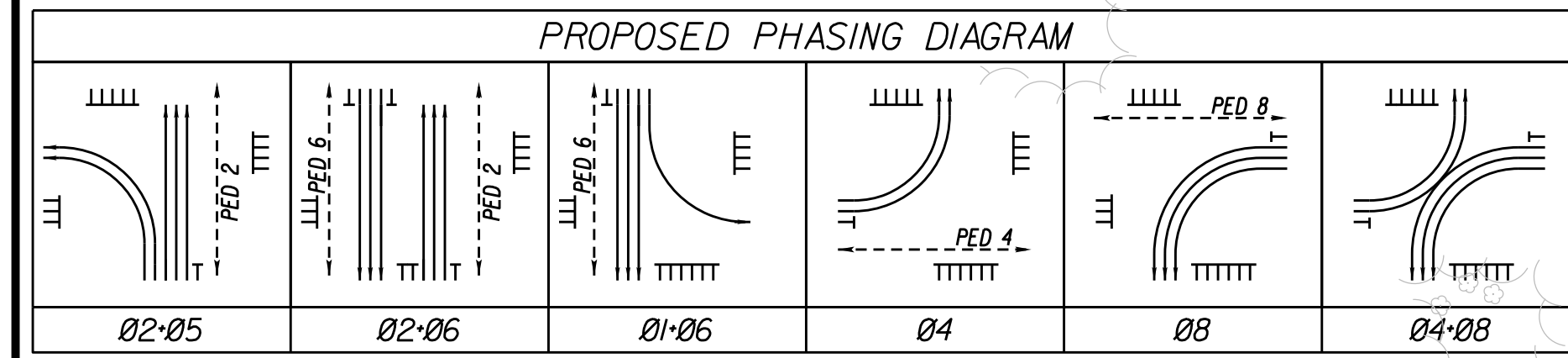
PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

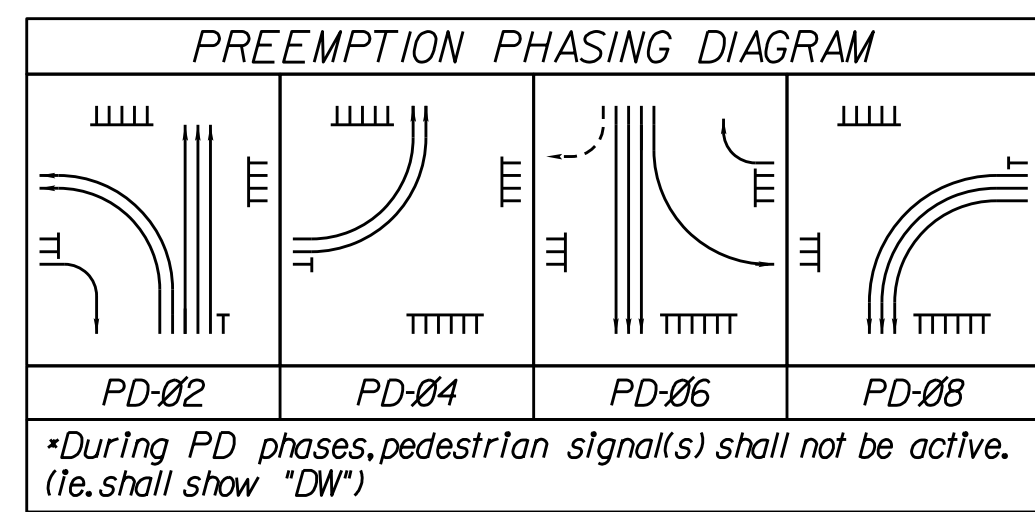
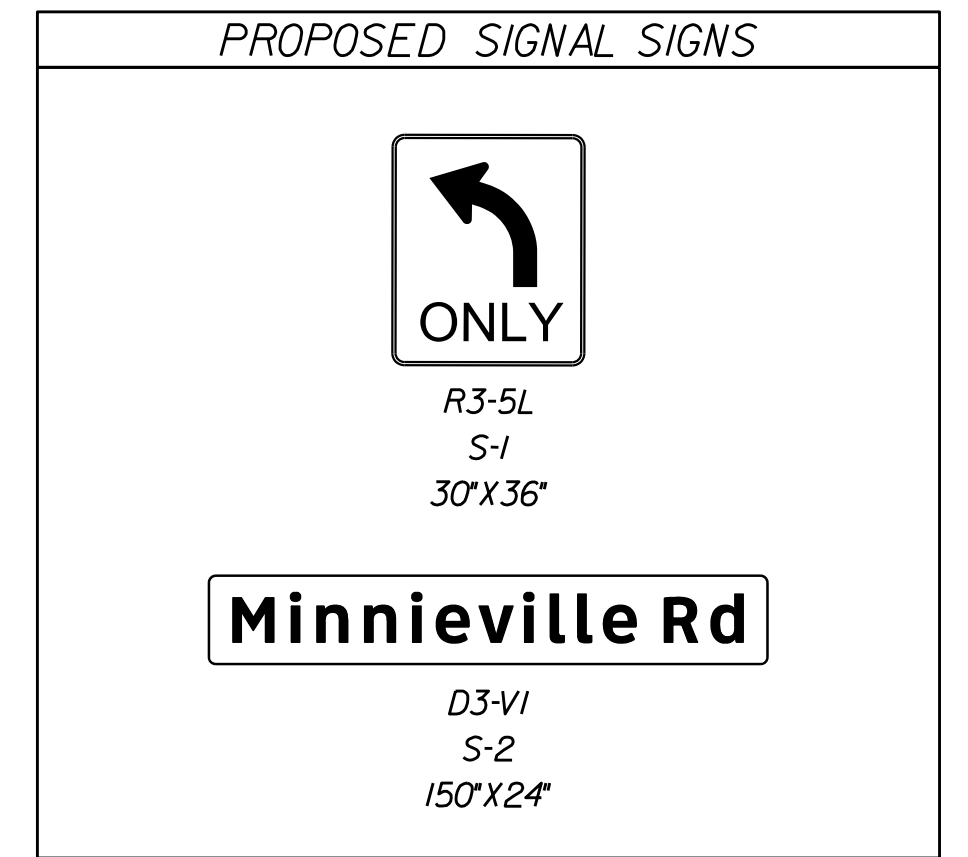
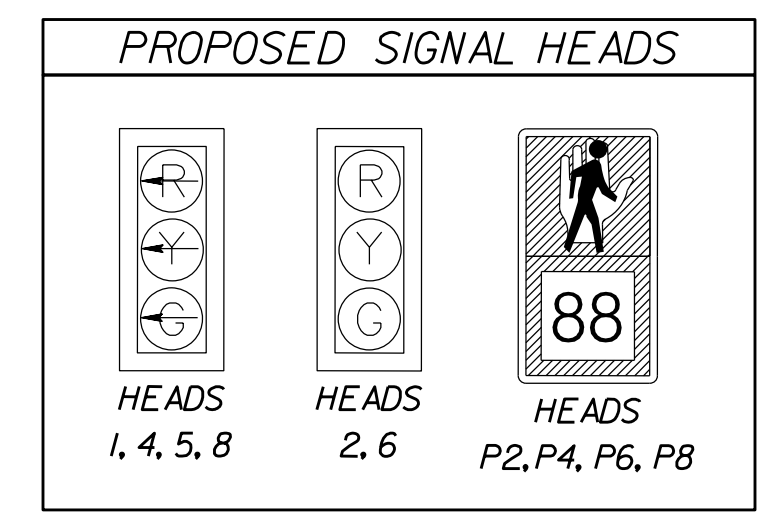
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	1413

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

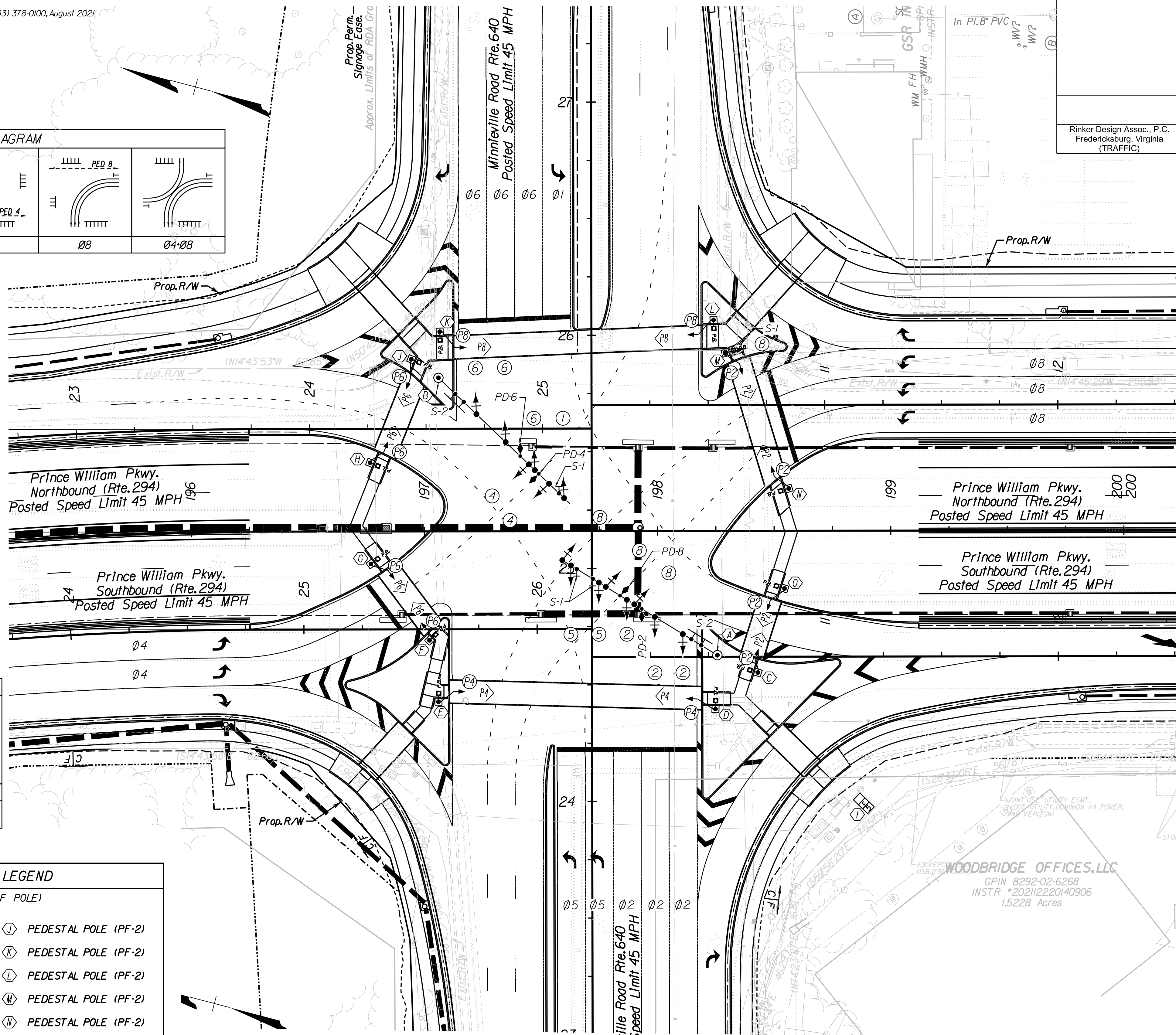
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



SPEED LIMITS	
Minnieville Road	45 MPH
Prince William Parkway	45 MPH



SIGNAL POLE & CONTROLLER LEGEND	
(ALL DIMENSIONS ARE TO CENTER OF POLE)	
(1) CONTROLLER CABINET & FOUNDATION (CF-5)	(K) PEDESTAL POLE (PF-2)
(A) MAST ARM POLE MP-3, TYPE BI 78" Arm 121" Angle to Rte 294 Constr. BL	(L) PEDESTAL POLE (PF-2)
(B) MAST ARM POLE MP-3, TYPE BI 78" Arm 313" Angle to Rte 294 Constr. BL	(M) PEDESTAL POLE (PF-2)
(C) PEDESTAL POLE (PF-2)	(N) PEDESTAL POLE (PF-2)
(D) PEDESTAL POLE (PF-2)	(O) PEDESTAL POLE (PF-2)
(E) PEDESTAL POLE (PF-2)	
(F) PEDESTAL POLE (PF-2)	
(G) PEDESTAL POLE (PF-2)	
(H) PEDESTAL POLE (PF-2)	



REFERENCES (PLAN AND DETAIL SHEETS)	
Roadway Plan	8
Pavement Marking Plan	15(8)
Signage Plan	16(8)

TRAFFIC SIGNAL PLAN
Minnieville Road (Route 640) &
Prince William Parkway (Route 294)
Prince William County, Virginia

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1413
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

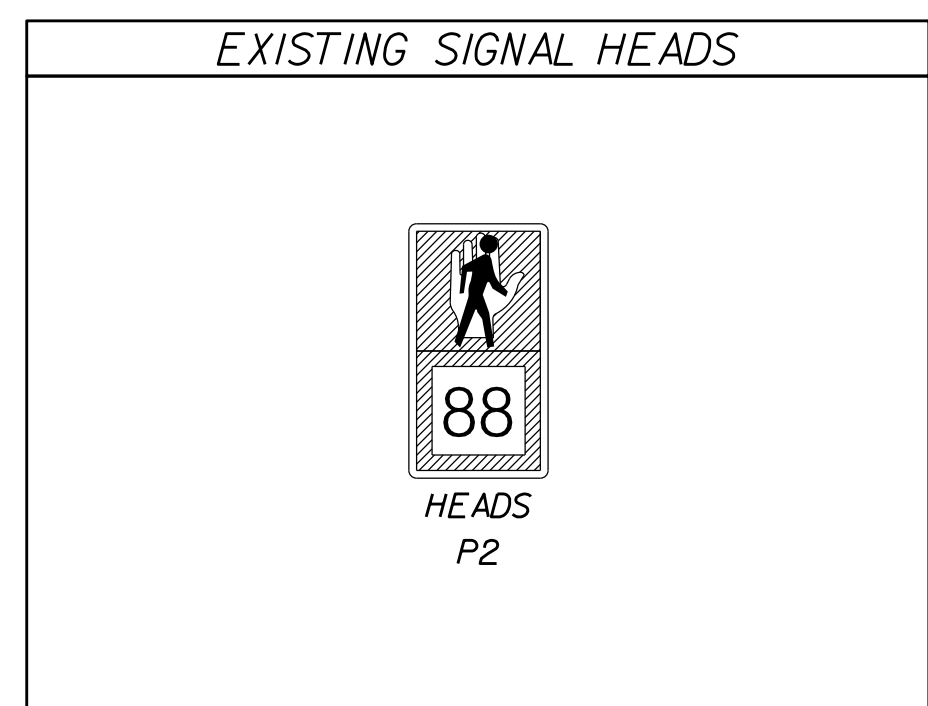
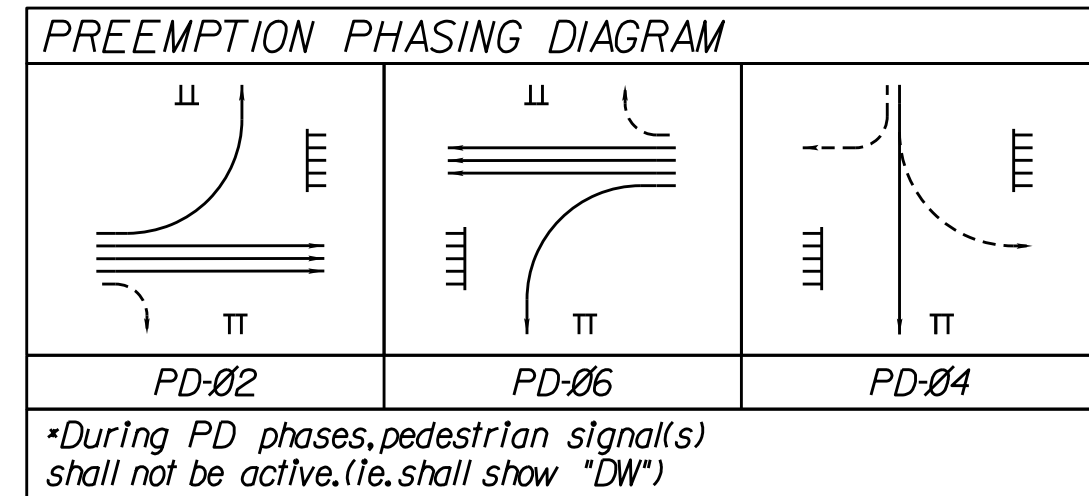
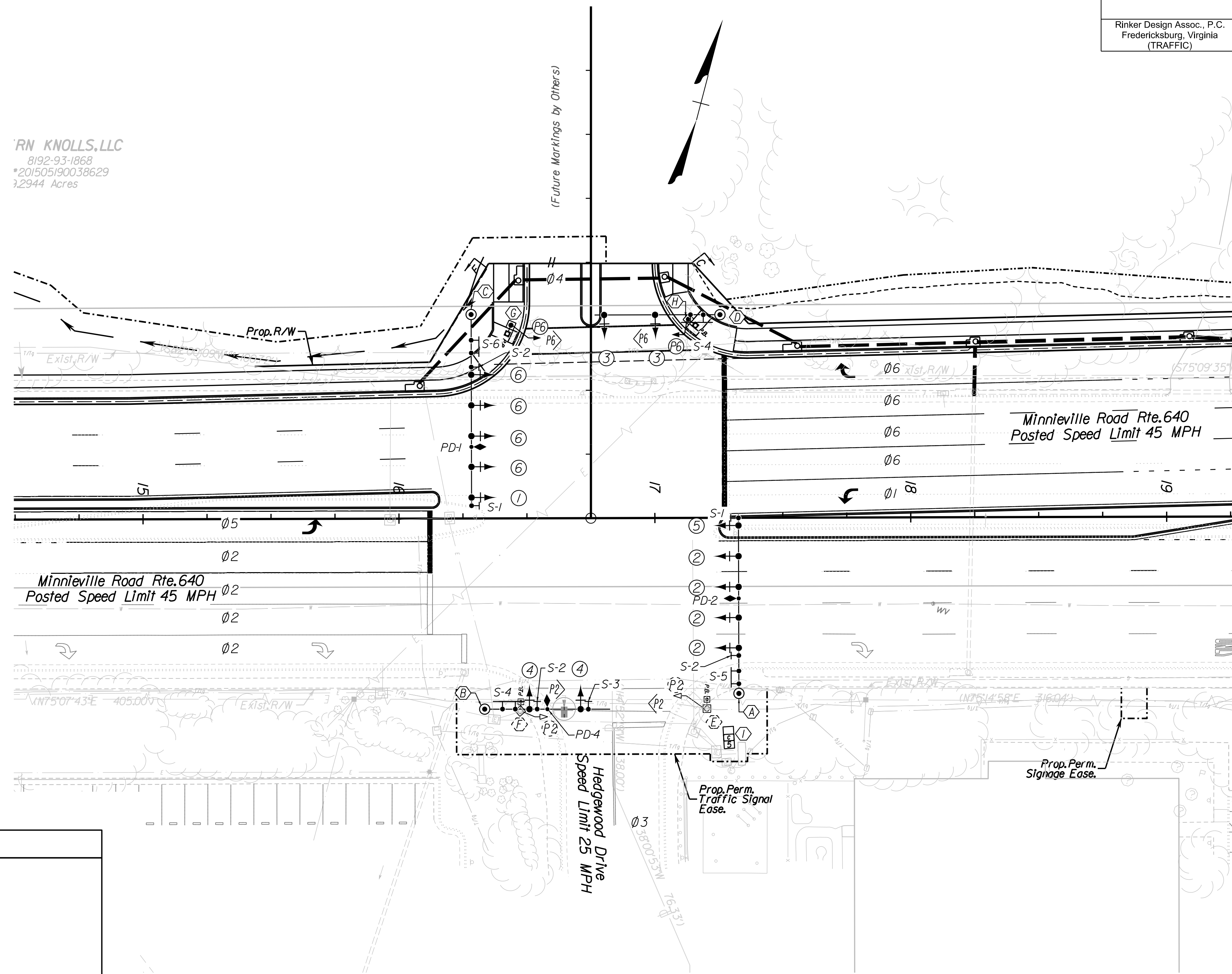
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotek Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotek Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	14(4)

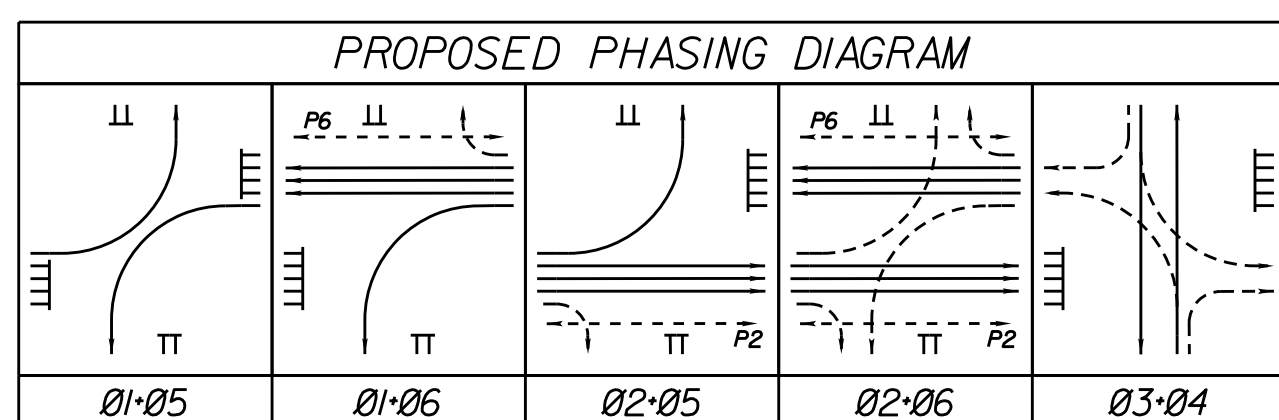
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

RN KNOLLS, LLC
8192-93-1868
*201505190038629
3.2944 Acres

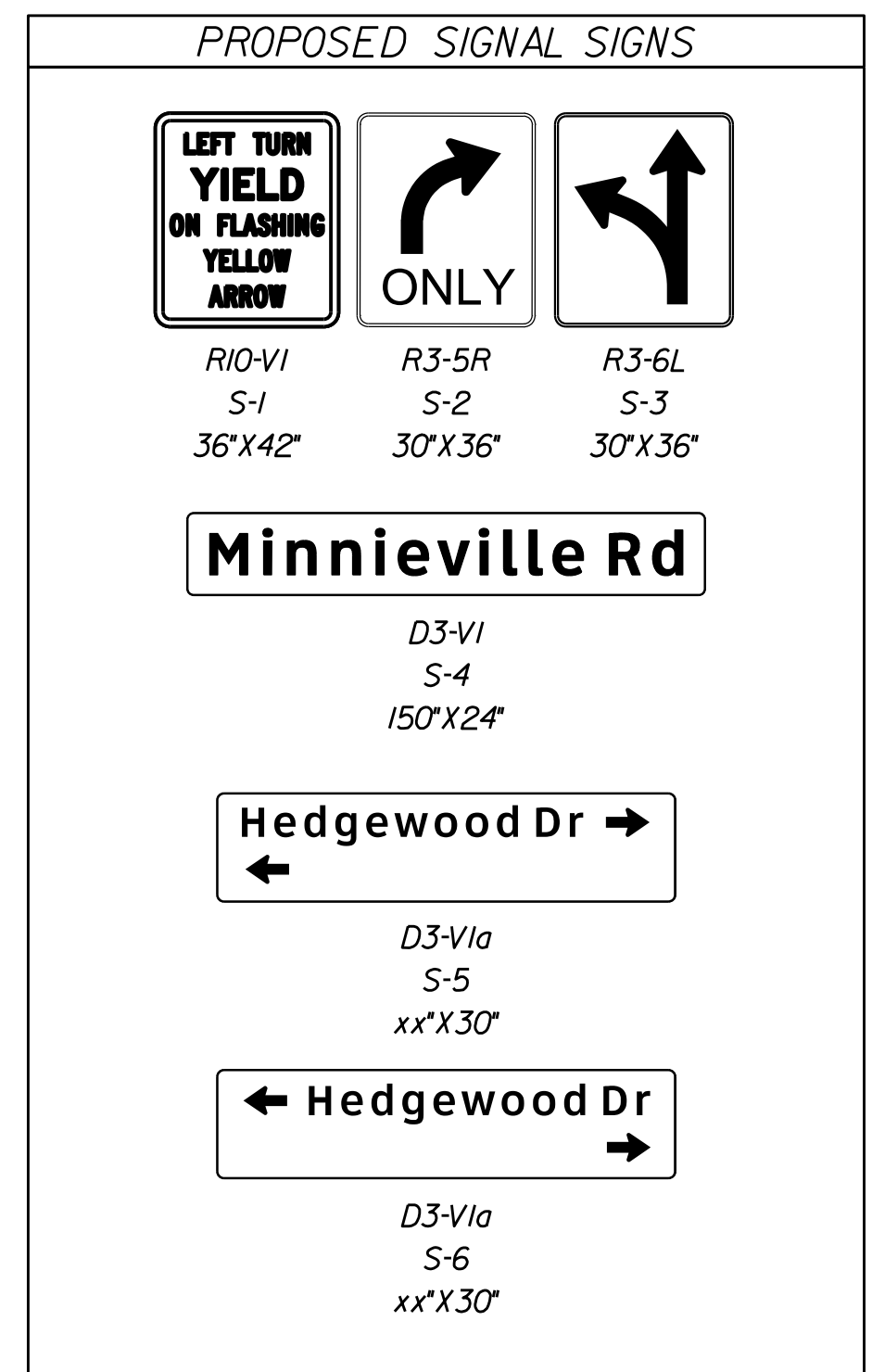
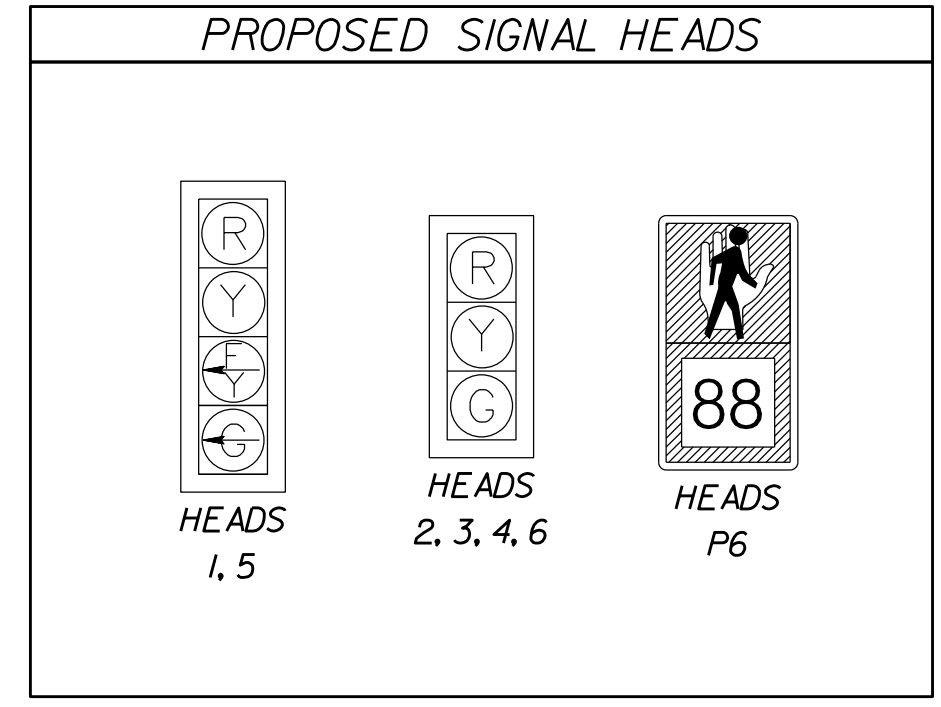


- SIGNAL POLE & CONTROLLER LEGEND**
(ALL DIMENSIONS ARE TO CENTER OF POLE)
- ① CONTROLLER CABINET & FOUNDATION (CF-5)
 - Ⓐ MAST ARM POLE MP-3, TYPE BI
75' Arm 270° Angle to Rte 640 Constr. BL
 - Ⓑ MAST ARM POLE MP-3, TYPE A
49' Arm 0° Angle to Rte 640 Constr. BL
 - Ⓒ MAST ARM POLE MP-3, TYPE BI
75' Arm 90° Angle to Rte 640 Constr. BL
 - Ⓓ MAST ARM POLE MP-3, TYPE A
49' Arm 180° Angle to Rte 640 Constr. BL
 - Ⓔ EXISTING PEDESTAL POLE (PF-2)
 - Ⓕ EXISTING PEDESTAL POLE (PF-2)
 - Ⓖ EXISTING PEDESTAL POLE (PF-2)
 - Ⓗ EXISTING PEDESTAL POLE (PF-2)



SPEED LIMITS

Minnieville Road	45 MPH
Hedgewood Drive	Not Posted



REFERENCES
(PLAN AND DETAIL SHEETS)

Roadway Plan	8E, 8G
Pavement Marking Plan	15(8E), 15(8G)
Signage Plan	16(8E), 16(8G)

TRAFFIC SIGNAL PLAN
Minnieville Road (Route 640) & Hedgewood Drive
Prince William County, Virginia

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	14(4)

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

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

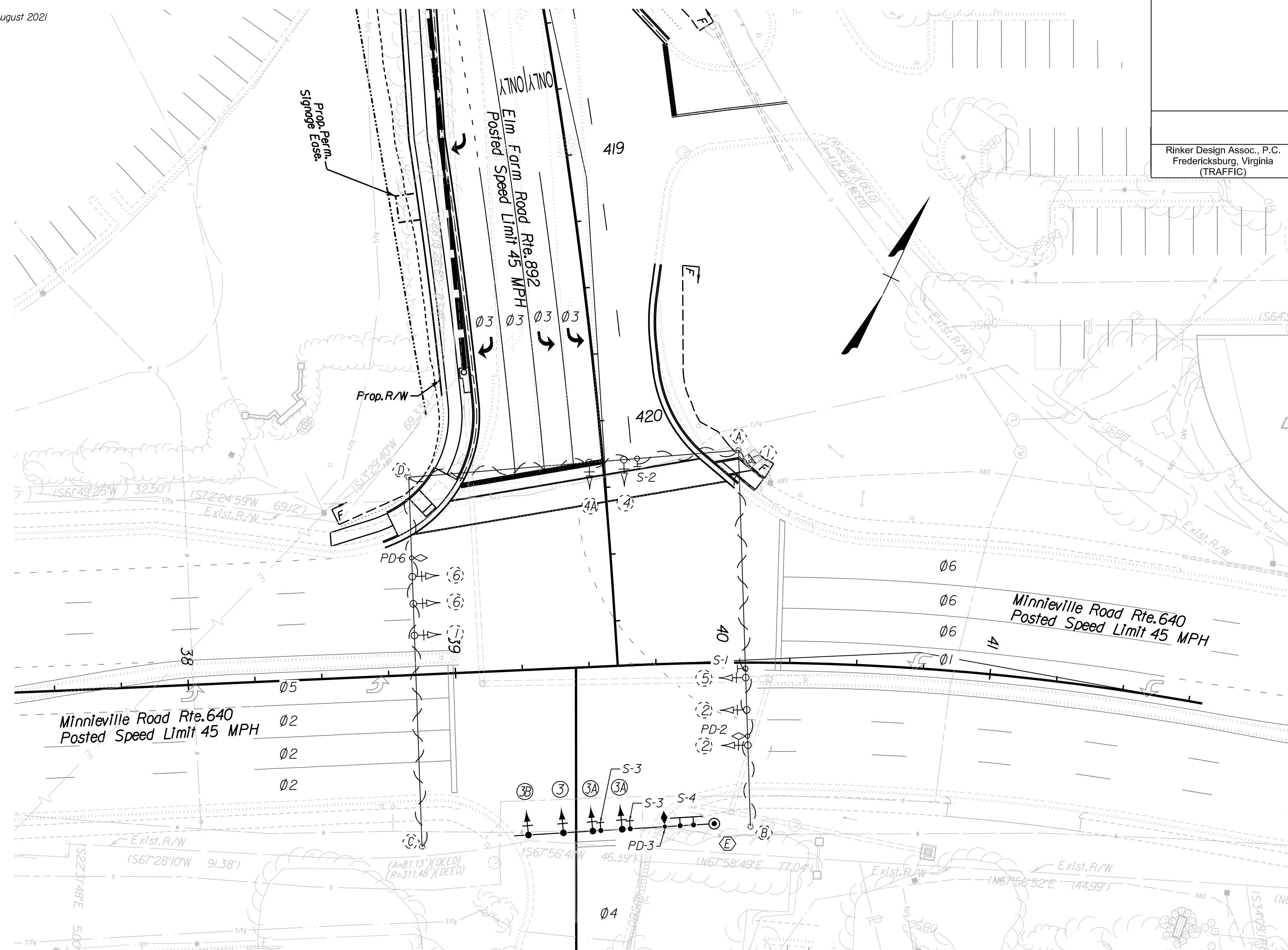
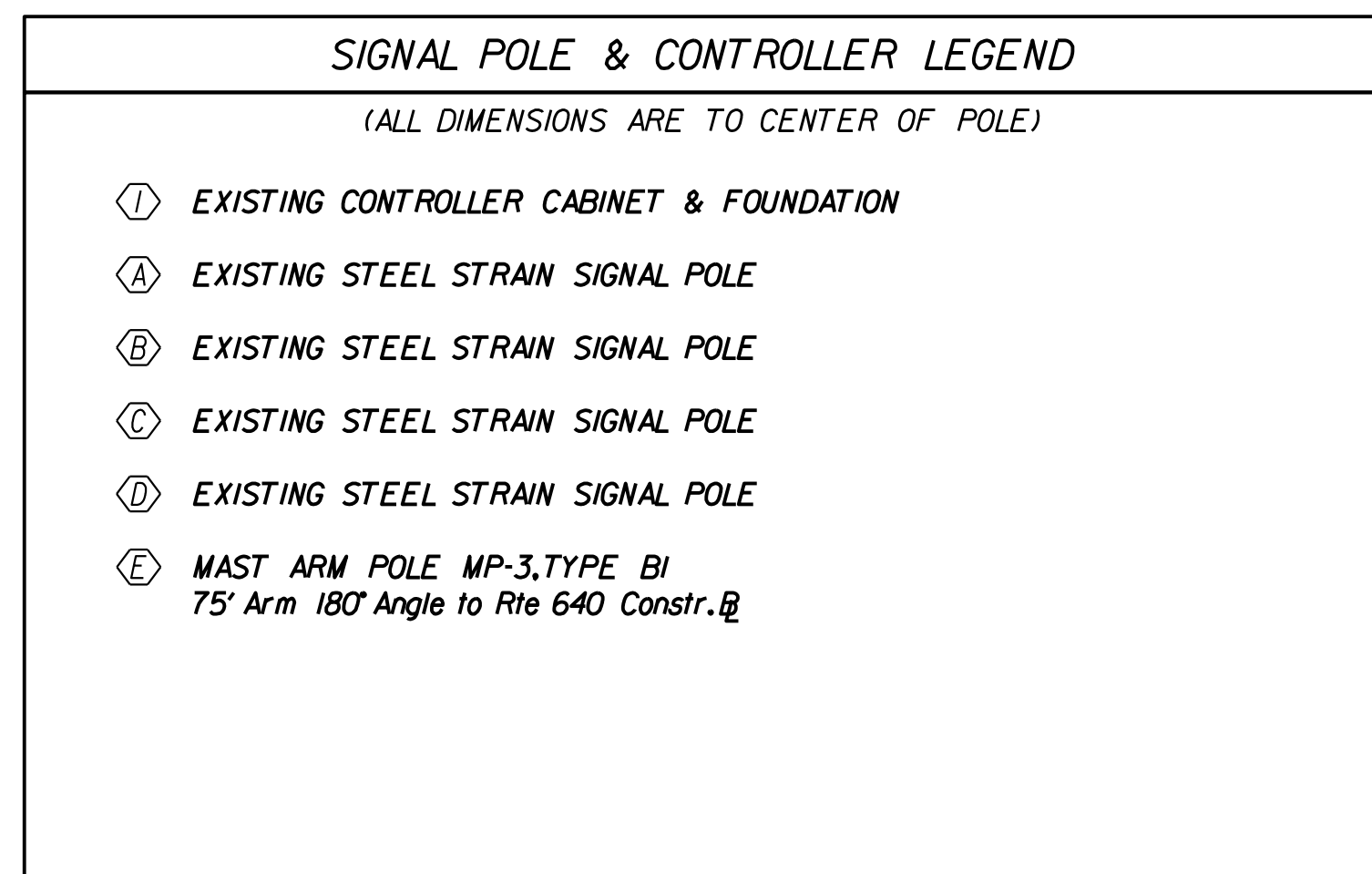
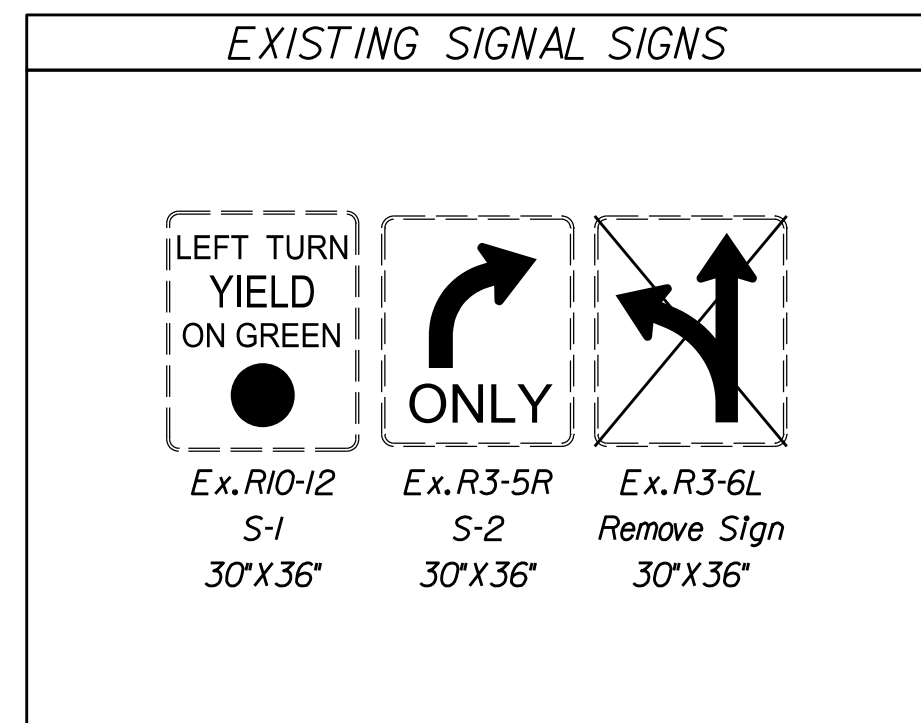
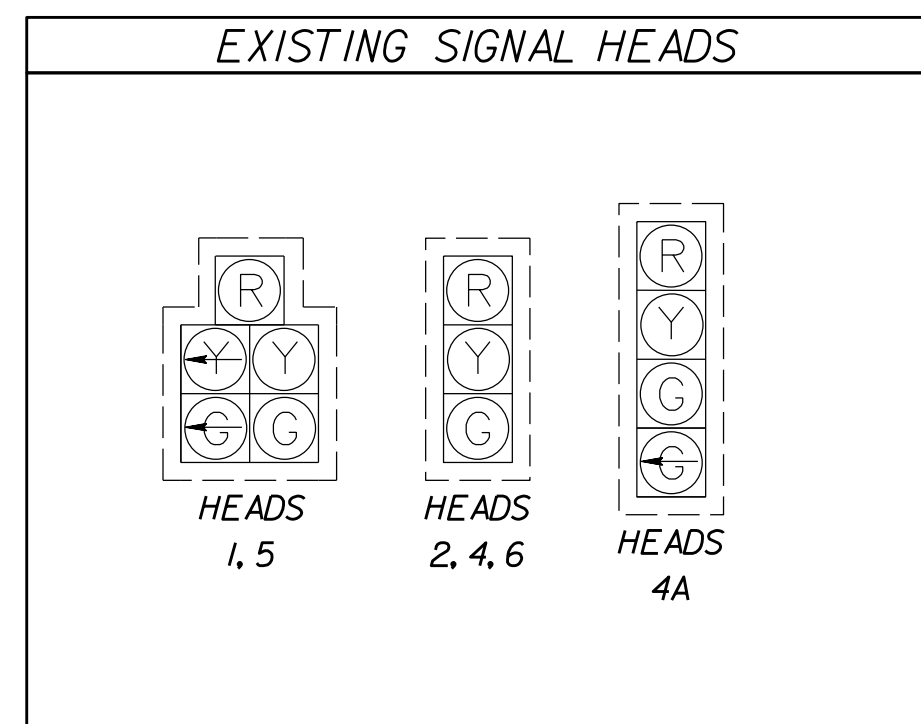
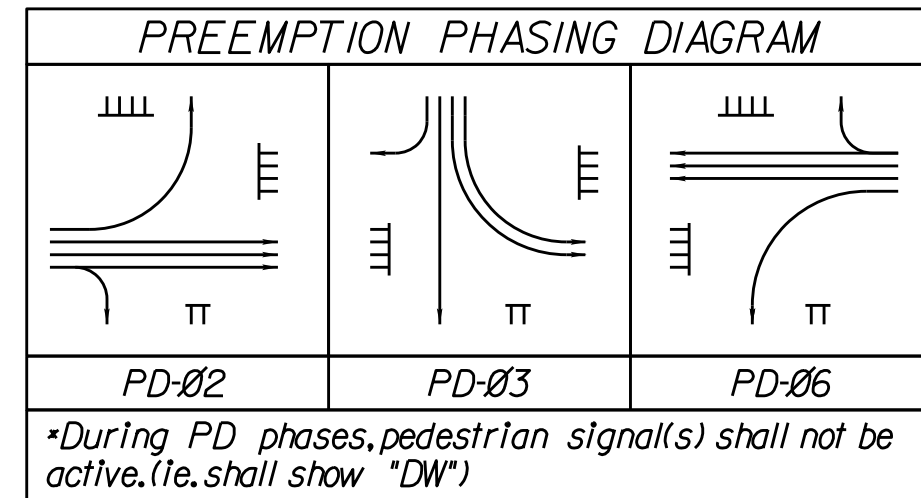
PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougiou's, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	1415

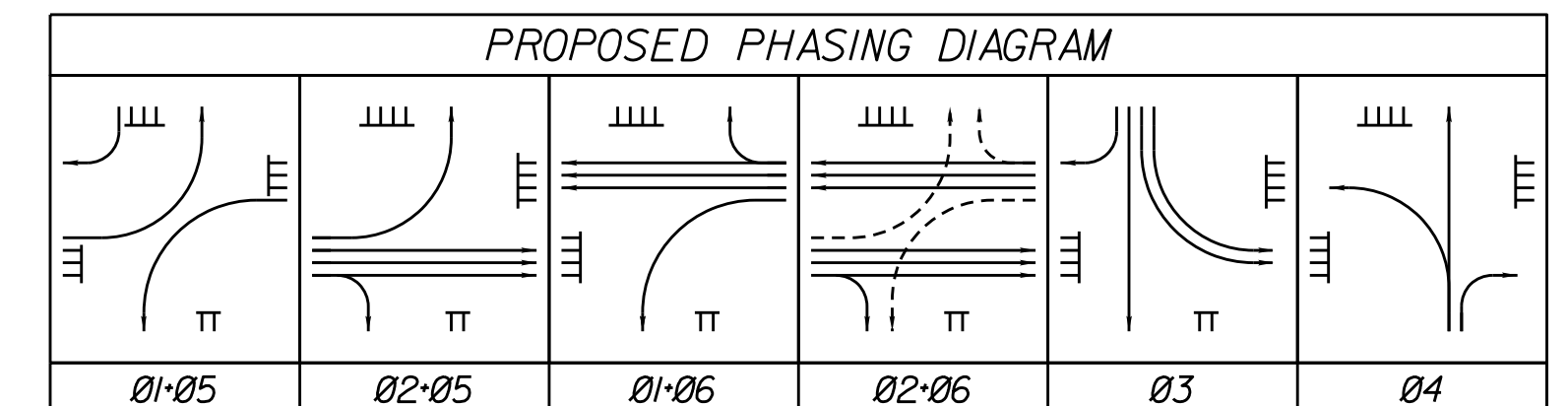
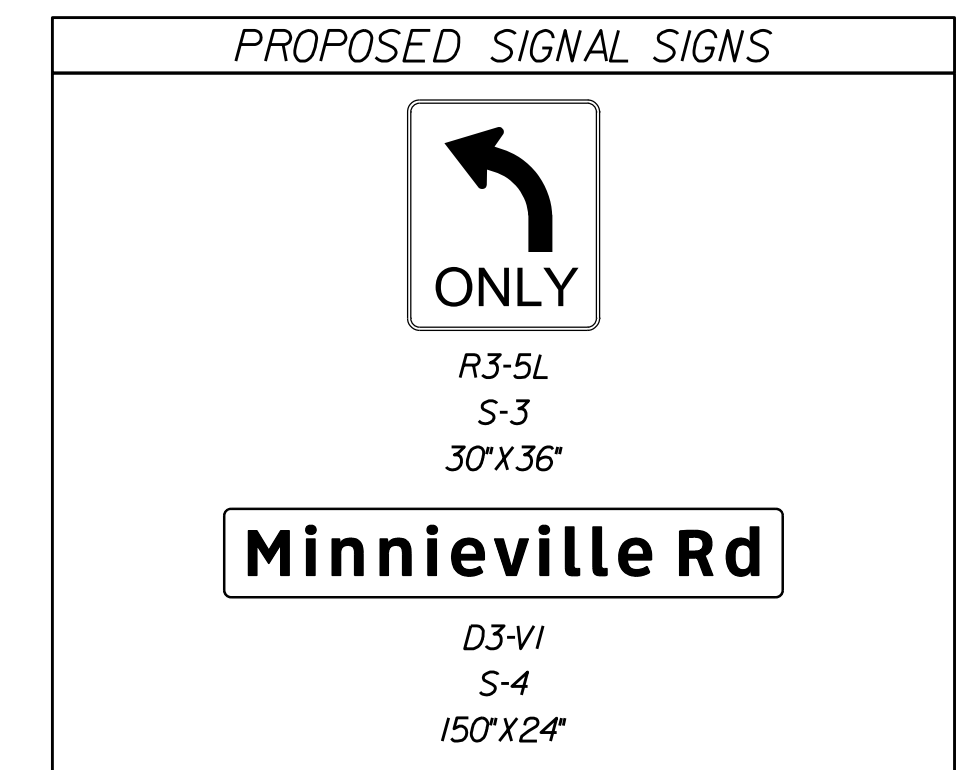
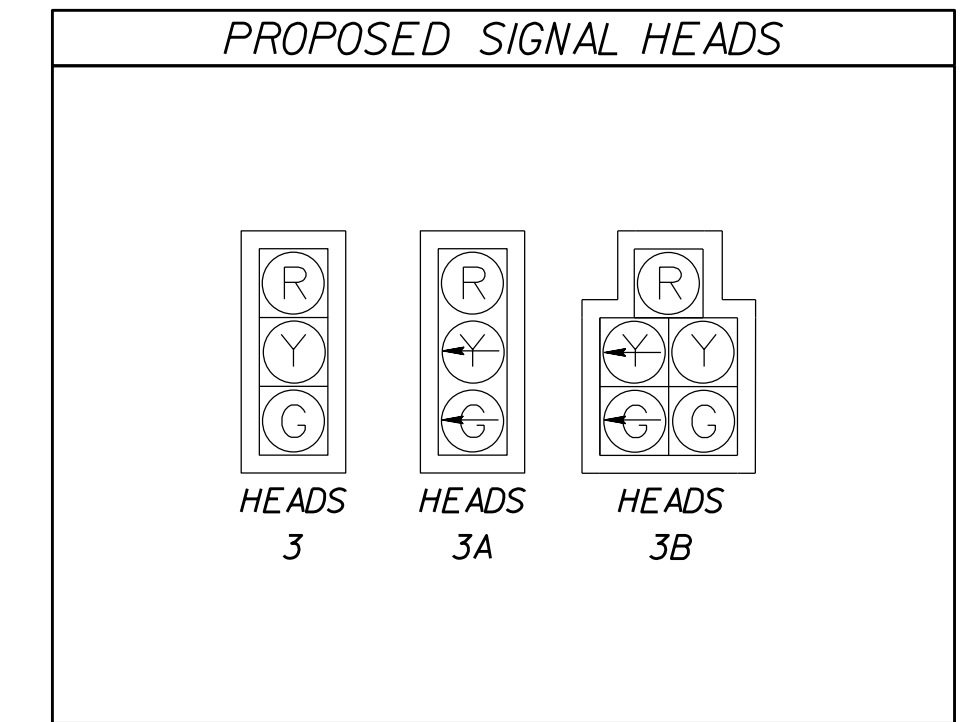
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



SPEED LIMITS

Minnieville Road	45 MPH
Elm Farm Road	45 MPH



REFERENCES
(PLAN AND DETAIL SHEETS)

Roadway Plan 8L
Pavement Marking Plan 1518U
Signage Plan 1618U

TRAFFIC SIGNAL PLAN
Minnieville Road (Route 640) & Elm Farm Road
Prince William County, Virginia

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1415
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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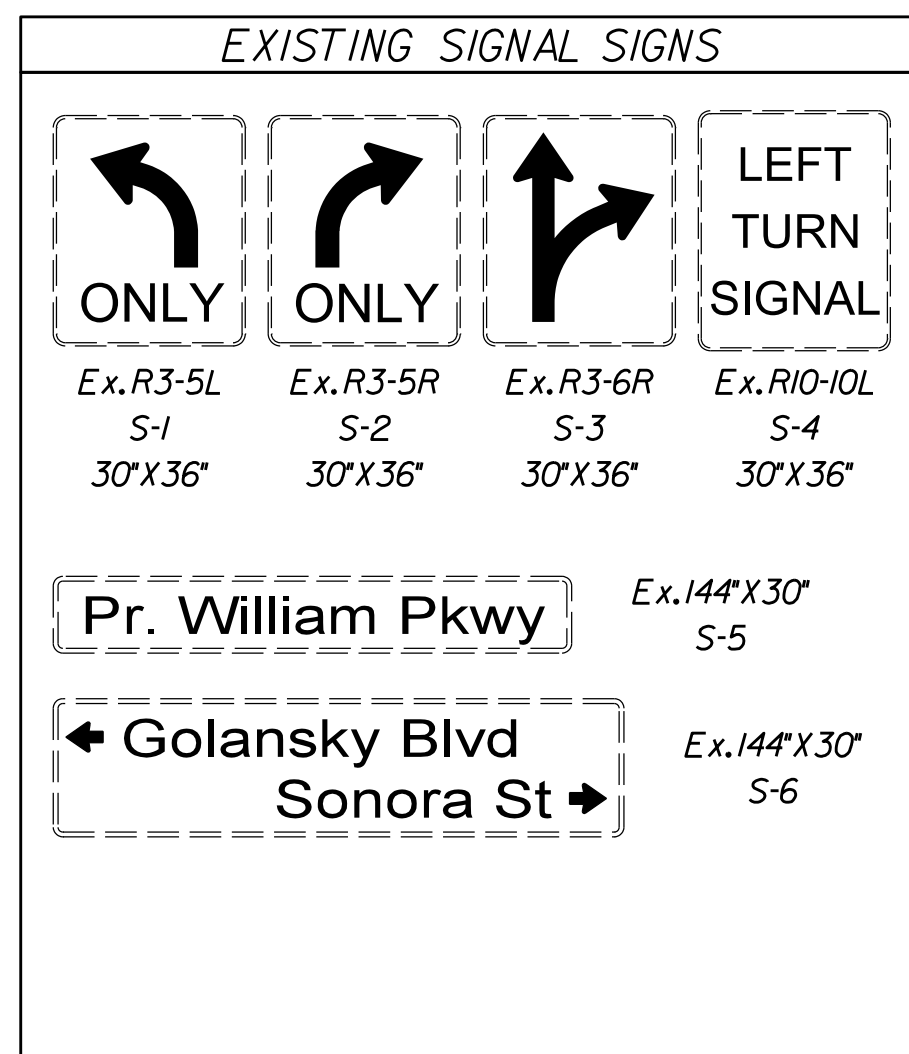
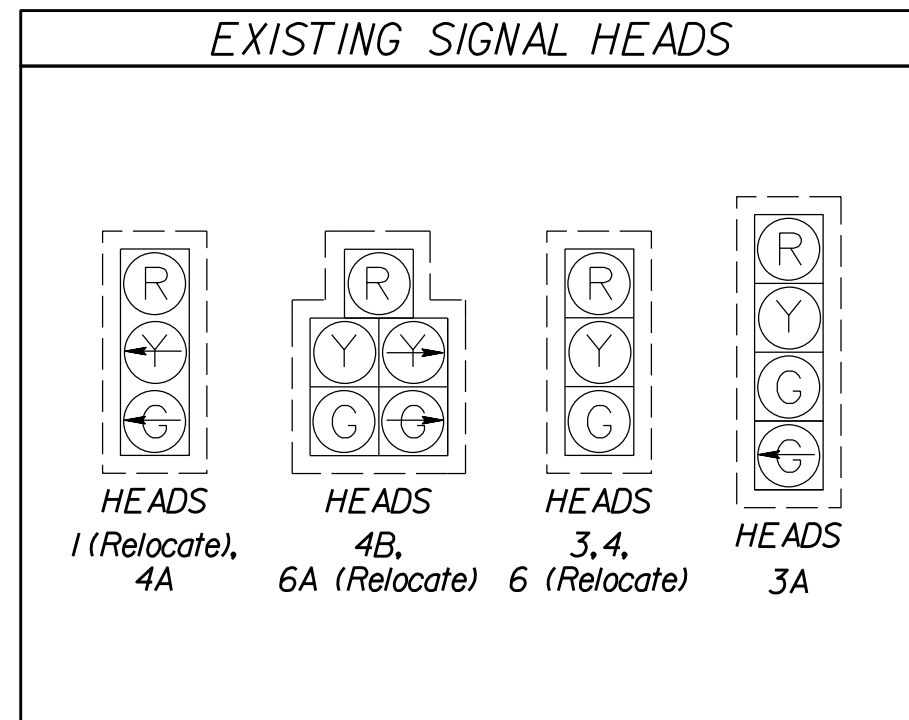
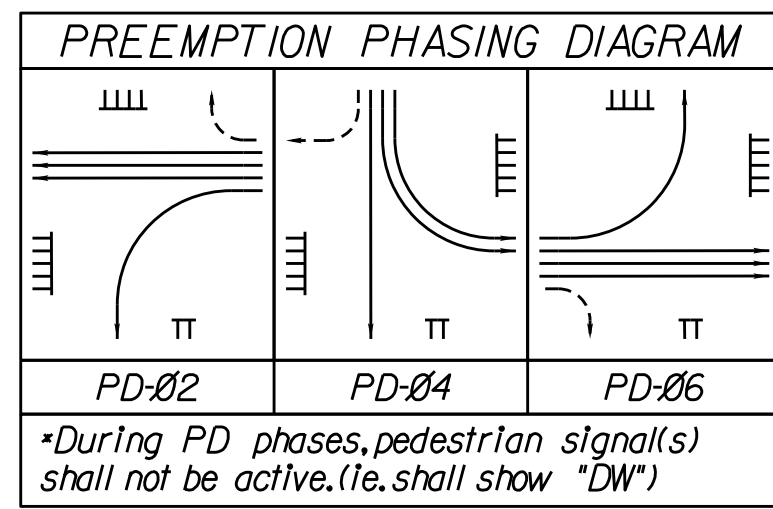
PH PLANS

PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	1416

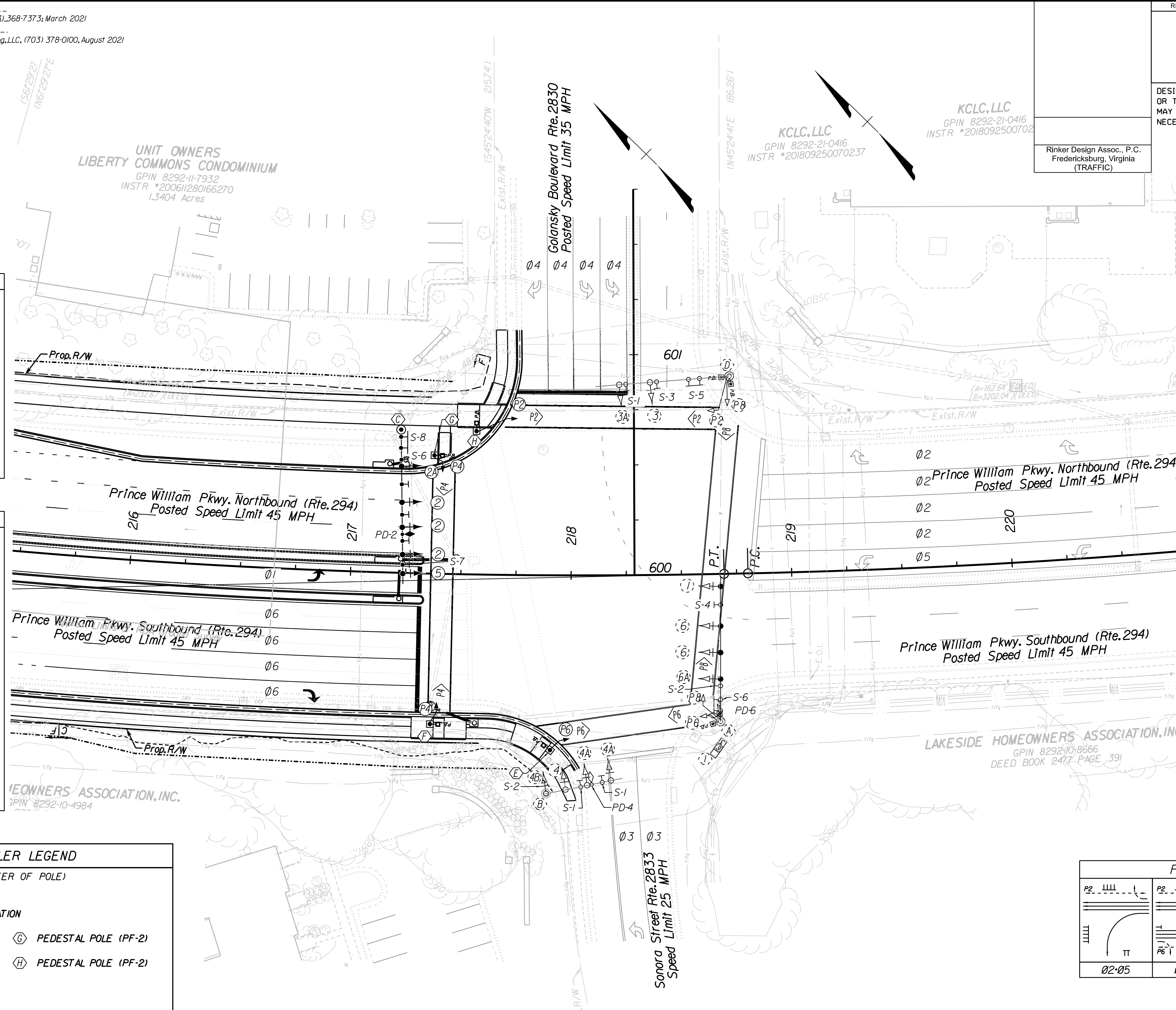
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



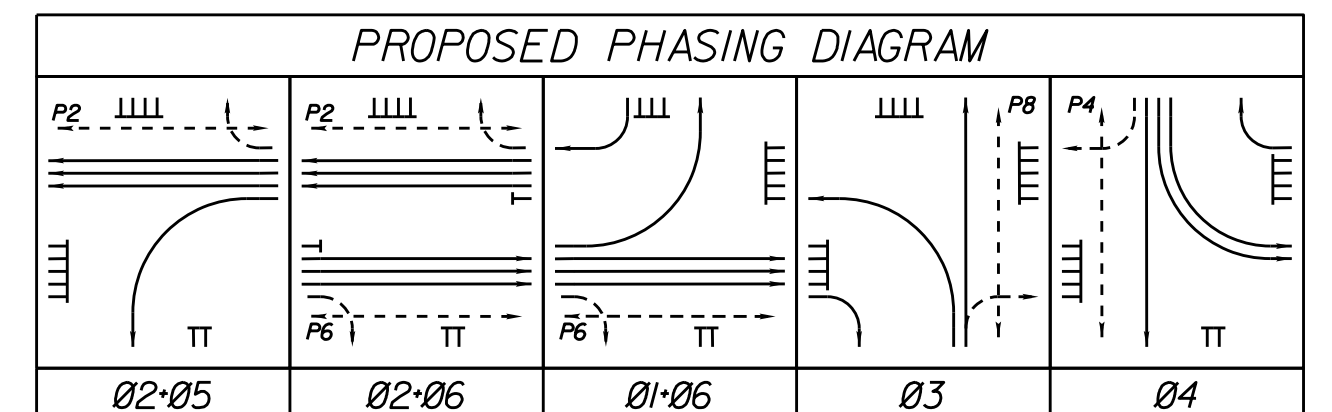
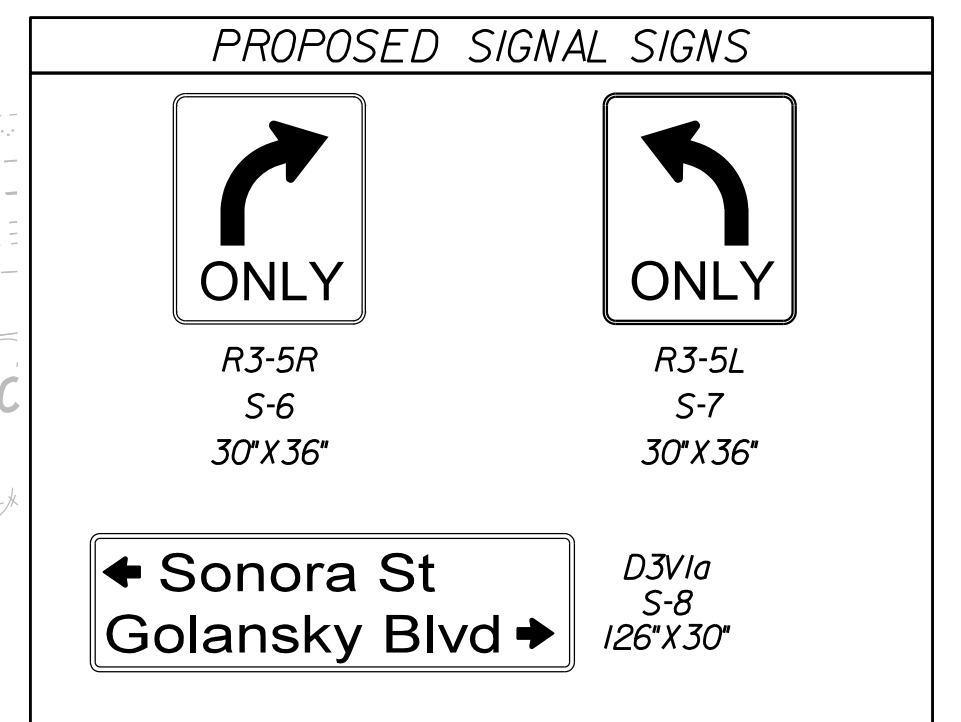
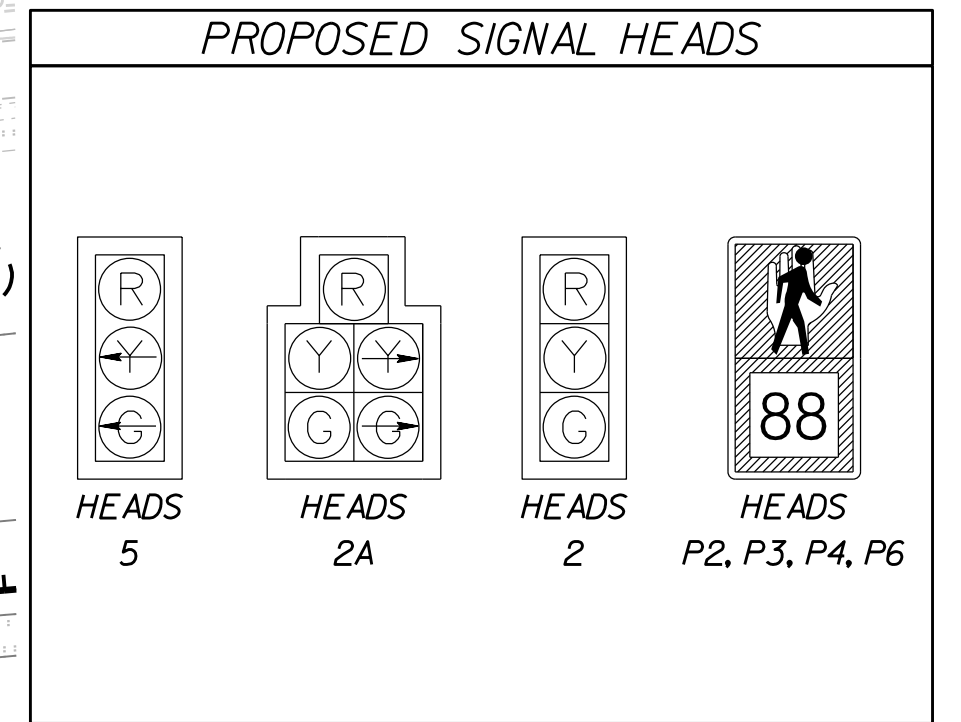
SIGNAL POLE & CONTROLLER LEGEND
(ALL DIMENSIONS ARE TO CENTER OF POLE)

Ⓐ EXISTING CONTROLLER CABINET & FOUNDATION	Ⓔ PEDESTAL POLE (PF-2)
Ⓐ EXISTING MAST ARM POLE 65' Arm 91° Angle to Rte 294 Constr. BL	Ⓕ PEDESTAL POLE (PF-2)
Ⓑ EXISTING MAST ARM POLE 35' Arm 117° Angle to Rte 294 Constr. BL	
Ⓒ MAST ARM POLE MP-3, TYPE BI 70' Arm 270° Angle to Rte 294 Constr. BL	
Ⓓ EXISTING MAST ARM POLE 60' Arm 183° Angle to Rte 294 Constr. BL	
Ⓔ PEDESTAL POLE (PF-2)	
Ⓕ PEDESTAL POLE (PF-2)	



SPEED LIMITS

Prince William Parkway	45 MPH
Golansky Boulevard	35 MPH
Sonora Street	25 MPH



REFERENCES (PLAN AND DETAIL SHEETS)

Roadway Plan	11, 12
Pavement Marking Plan	15(11), 15(12)
Signage Plan	16(11), 16(12)

TRAFFIC SIGNAL PLAN
Prince William Parkway (Route 294) & Golansky Boulevard/Sonora Street
Prince William County, Virginia

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1416
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

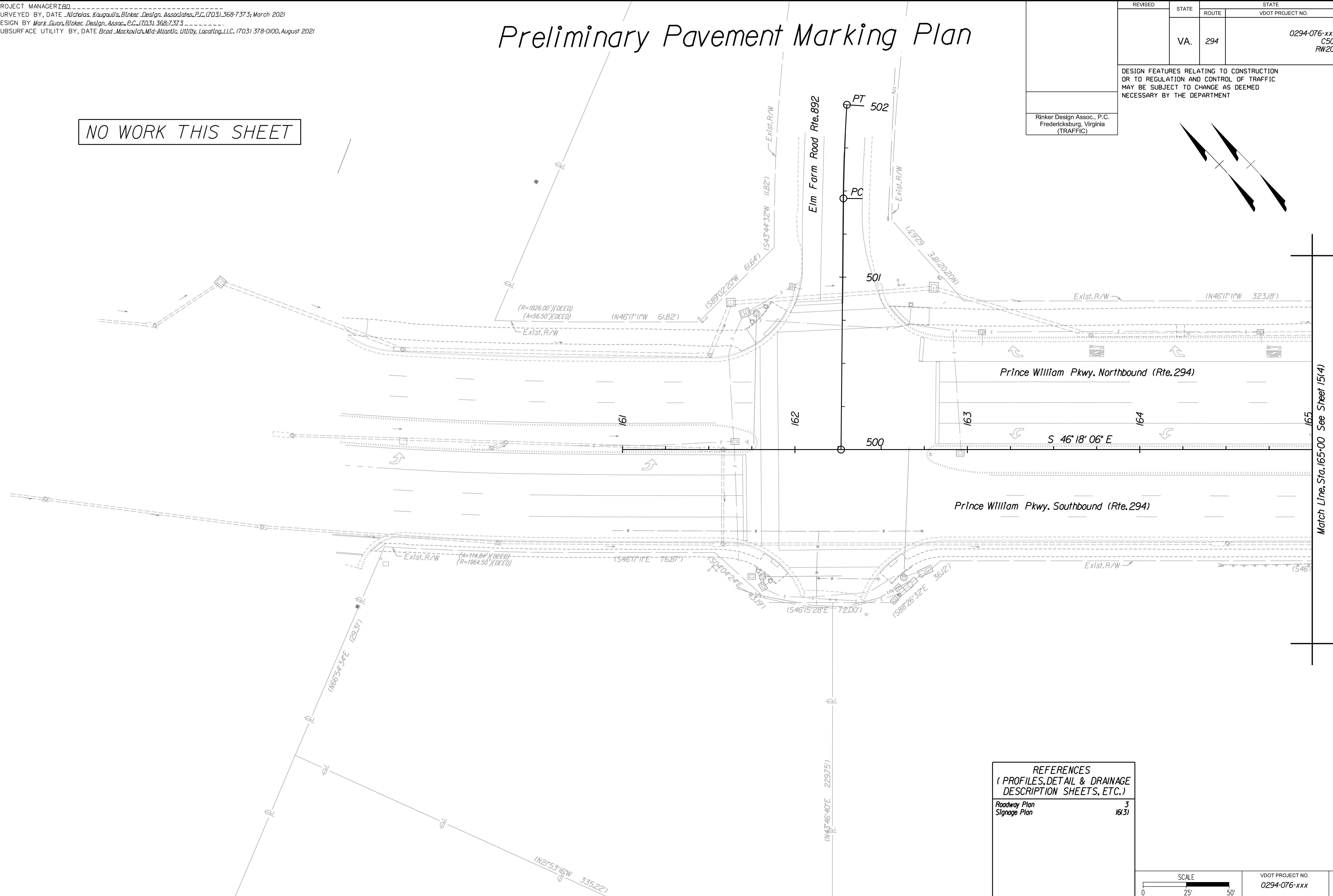
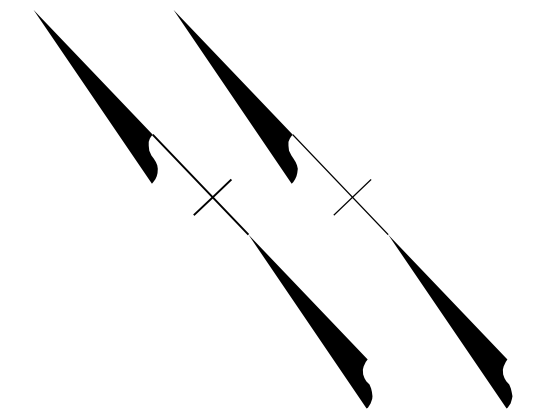
Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(3)

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

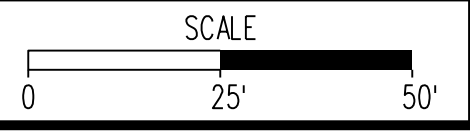
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

NO WORK THIS SHEET



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

Roadway Plan	3
Signage Plan	18(3)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(3)

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

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PH PLANS

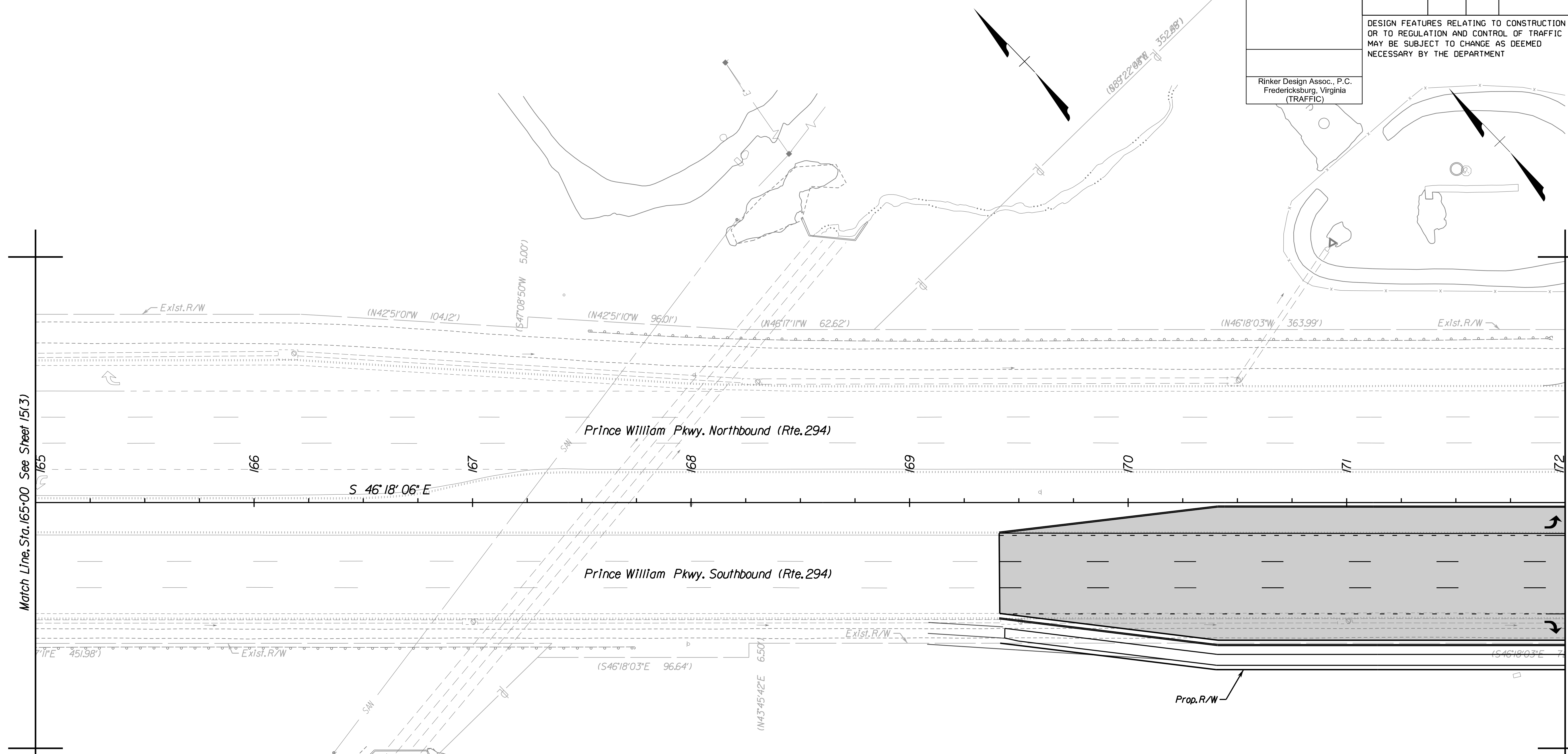
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Bliker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Bliker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



Match Line, Sta. 165+00 See Sheet 15(3)

Match Line, Sta. 172+00 See Sheet 15(5)

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

Roadway Plan	4
Signage Plan	16(4)

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	15(4)

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

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PH PLANS

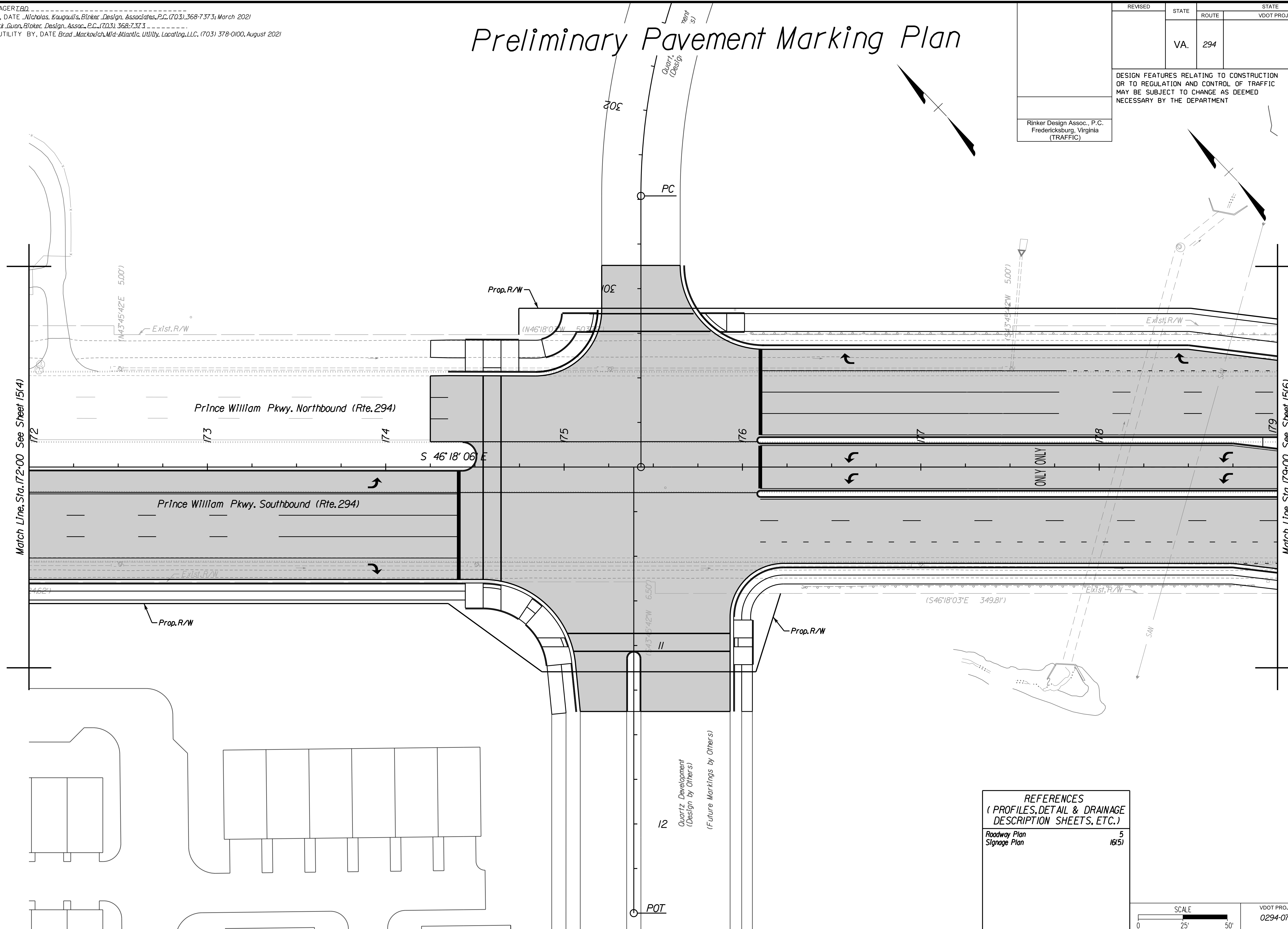
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blocker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(5)

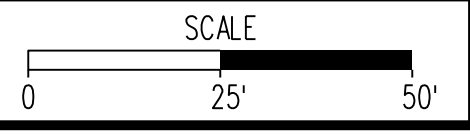
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan	5
Signage Plan	18(5)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(5)

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

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

PH PLANS

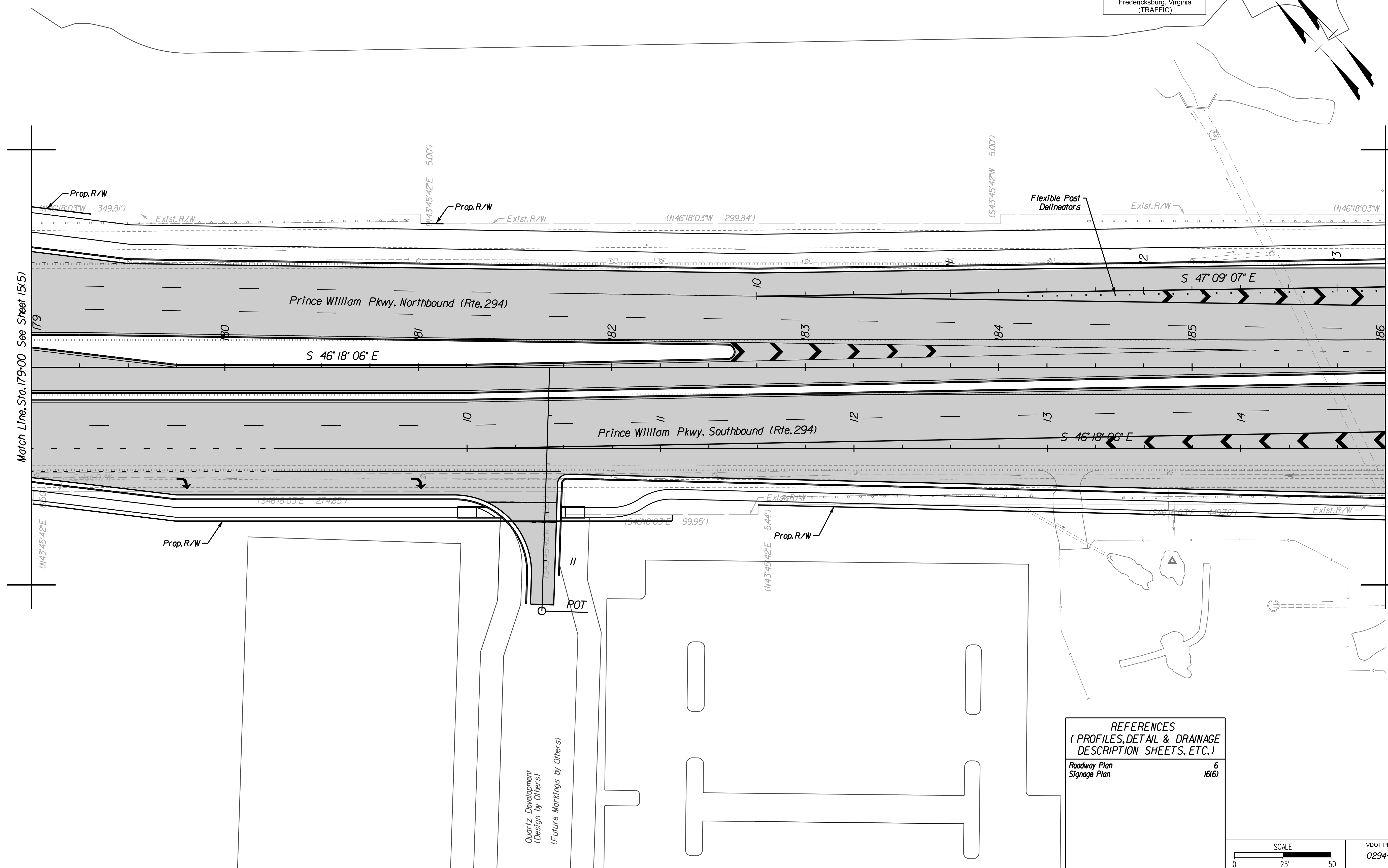
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

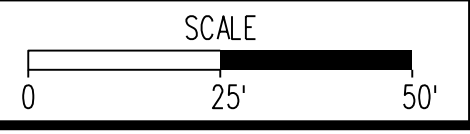


Match Line, Sta. 179+00 See Sheet 15(5)

Match Line, Sta. 186+00 See Sheet 15(7)

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

Roadway Plan	6
Signage Plan	16(6)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(6)

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

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

PH PLANS

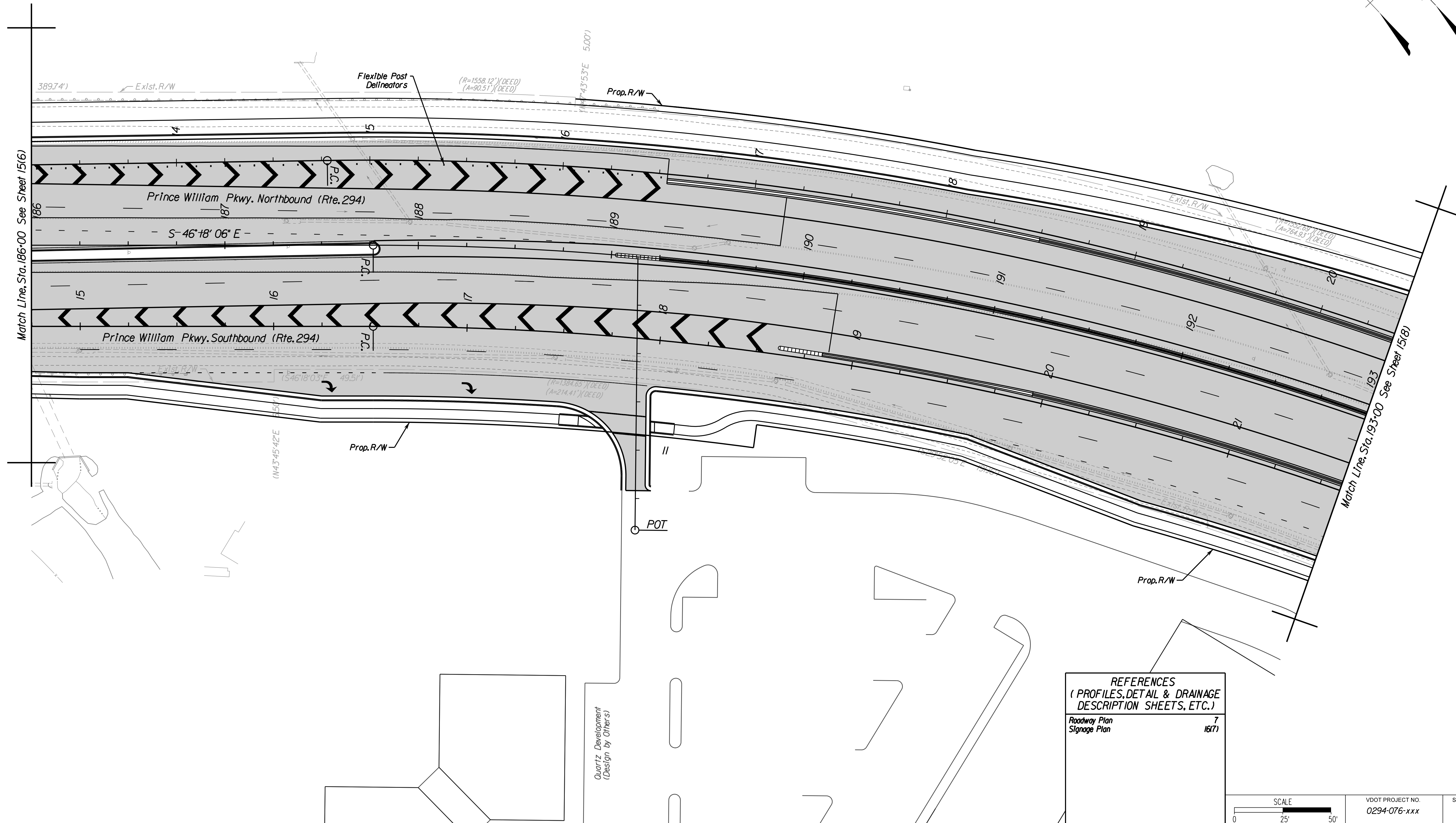
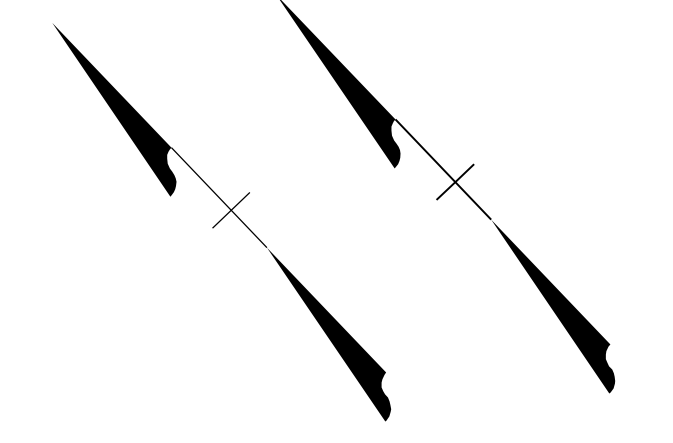
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Binker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

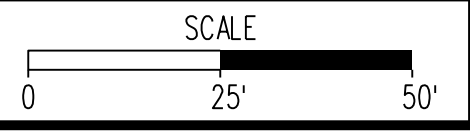
REVISED	STATE		VDOT PROJECT NO.	SHEET NO.
	ROUTE			
	VA.	294	0294-076-xxx CS01 RW201	15(7)

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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Fredericksburg, Virginia
(TRAFFIC)



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roadway Plan Signage Plan	7 16(7)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 15(7)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

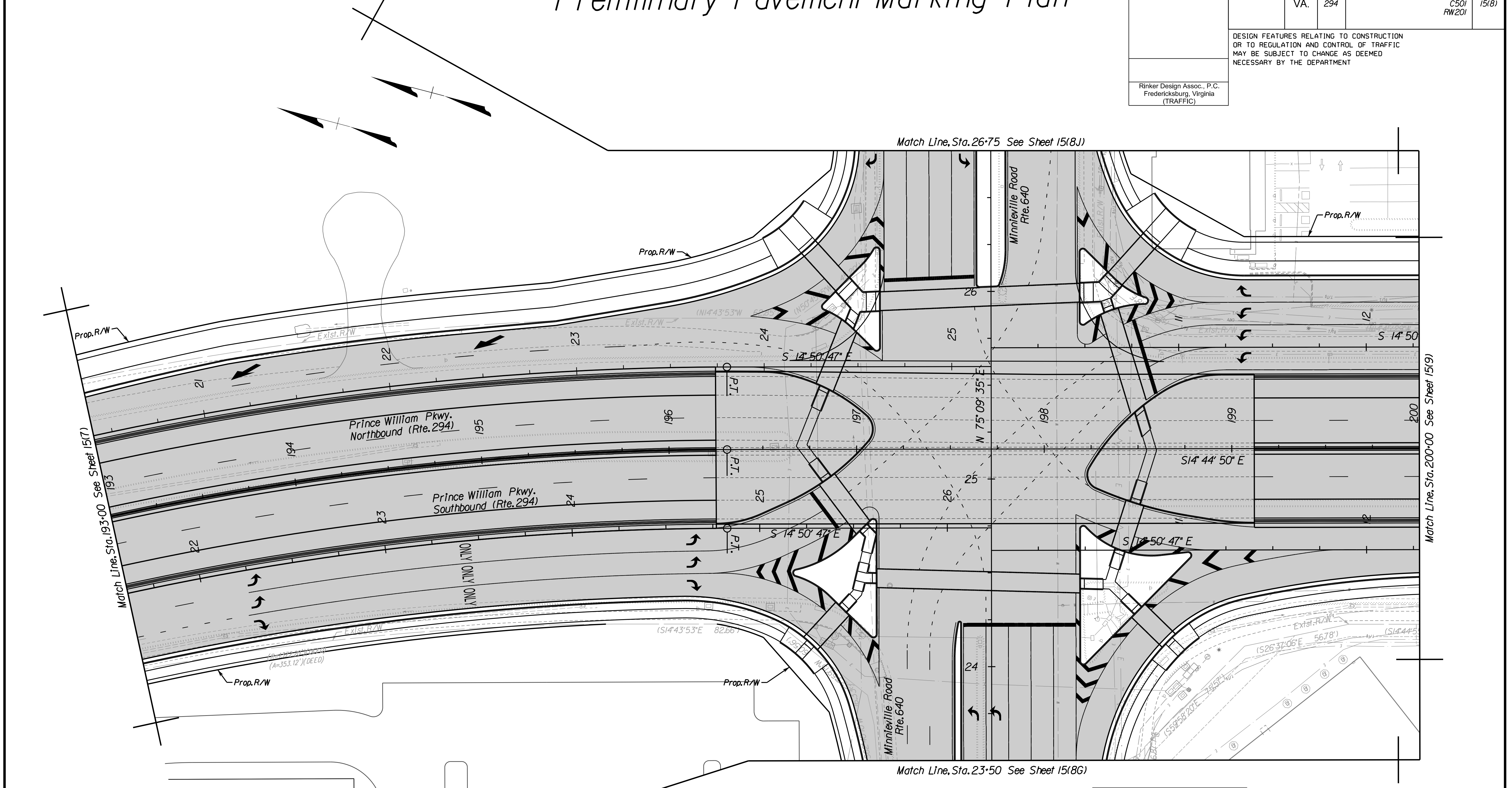
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Bliker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Bliker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(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 Assoc., P.C. Fredericksburg, Virginia (TRAFFIC)					



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roadway Plan	8
Signage Plan	16(8)

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 15(8)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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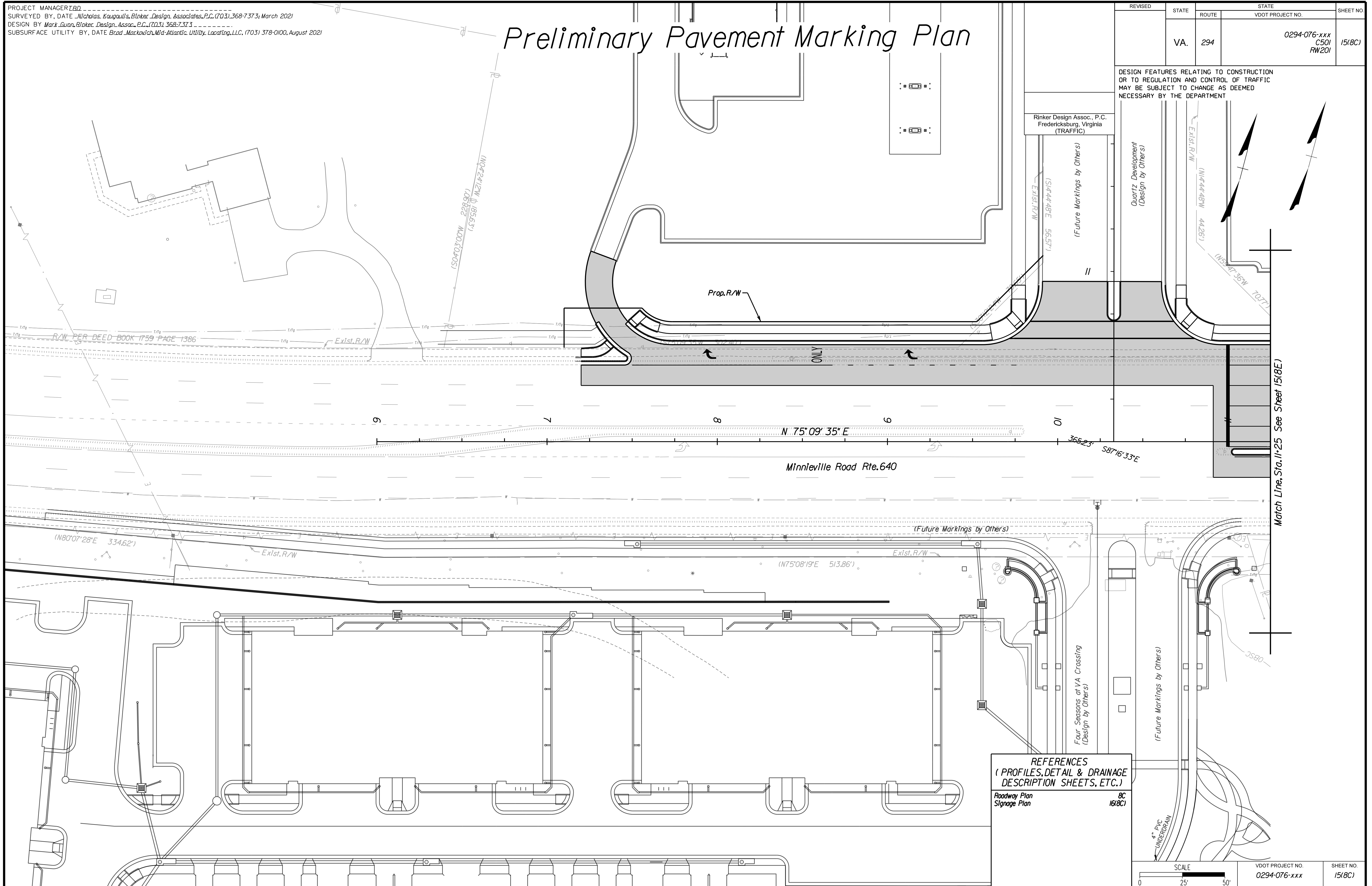
PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Bloker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Bloker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

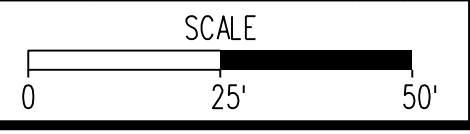
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	1518C

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



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

Roadway Plan Signage Plan 8C 1618C



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	1518C

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

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PH PLANS

Match Line, Sta. 11+25 See Sheet 1518E1

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Bloker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Bloker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

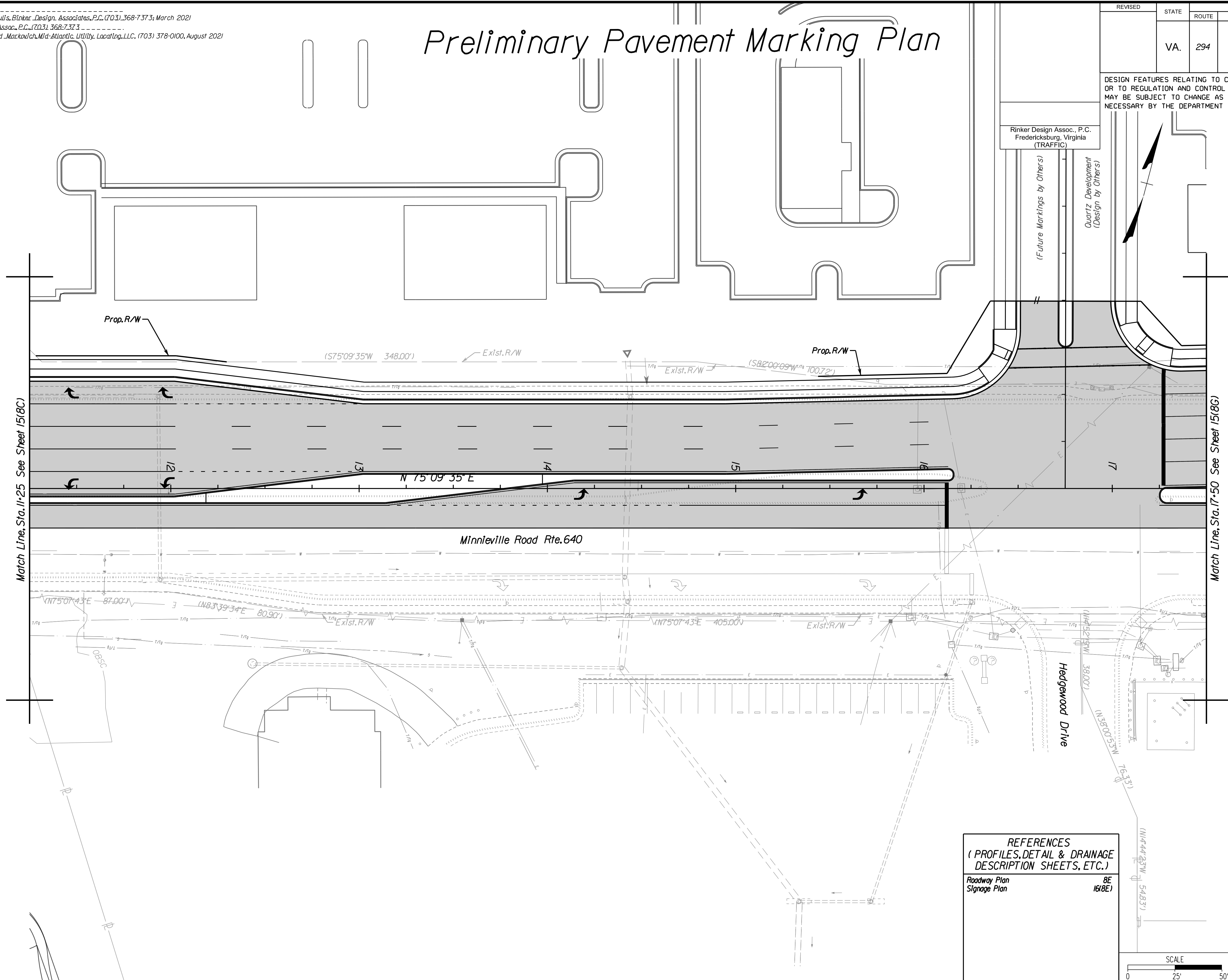
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	15(8E)

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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(Future Markings by Others)

Quartz Development
(Design by Others)



Match Line, Sta. 11+25 See Sheet 15(8C)

Match Line, Sta. 17+50 See Sheet 15(8G)

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

Roadway Plan	8E
Signage Plan	16(8E)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(8E)

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

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PH PLANS

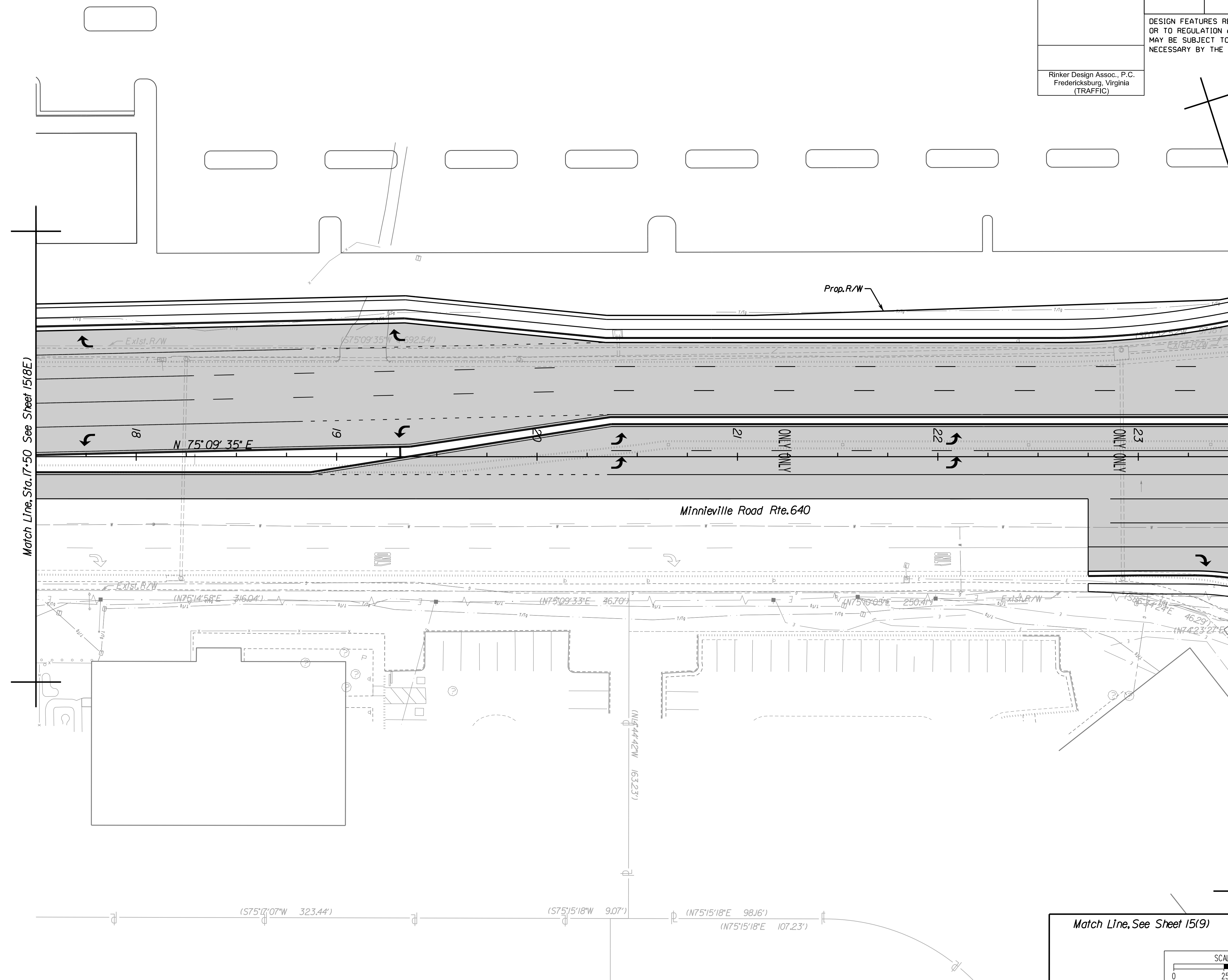
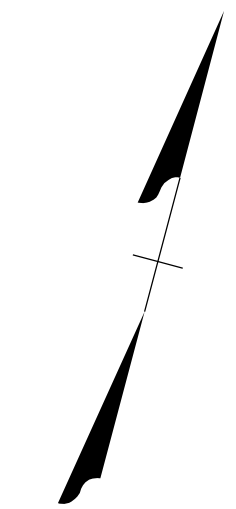
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(8G)

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)



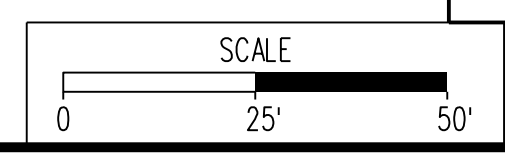
Match Line, Sta. 17+50 See Sheet 15(8E)

Match Line, Sta. 23+50 See Sheet 15(8)

Match Line, See Sheet 15(9)

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

Roadway Plan	8G
Signage Plan	16(8G)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(8G)

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

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PH PLANS

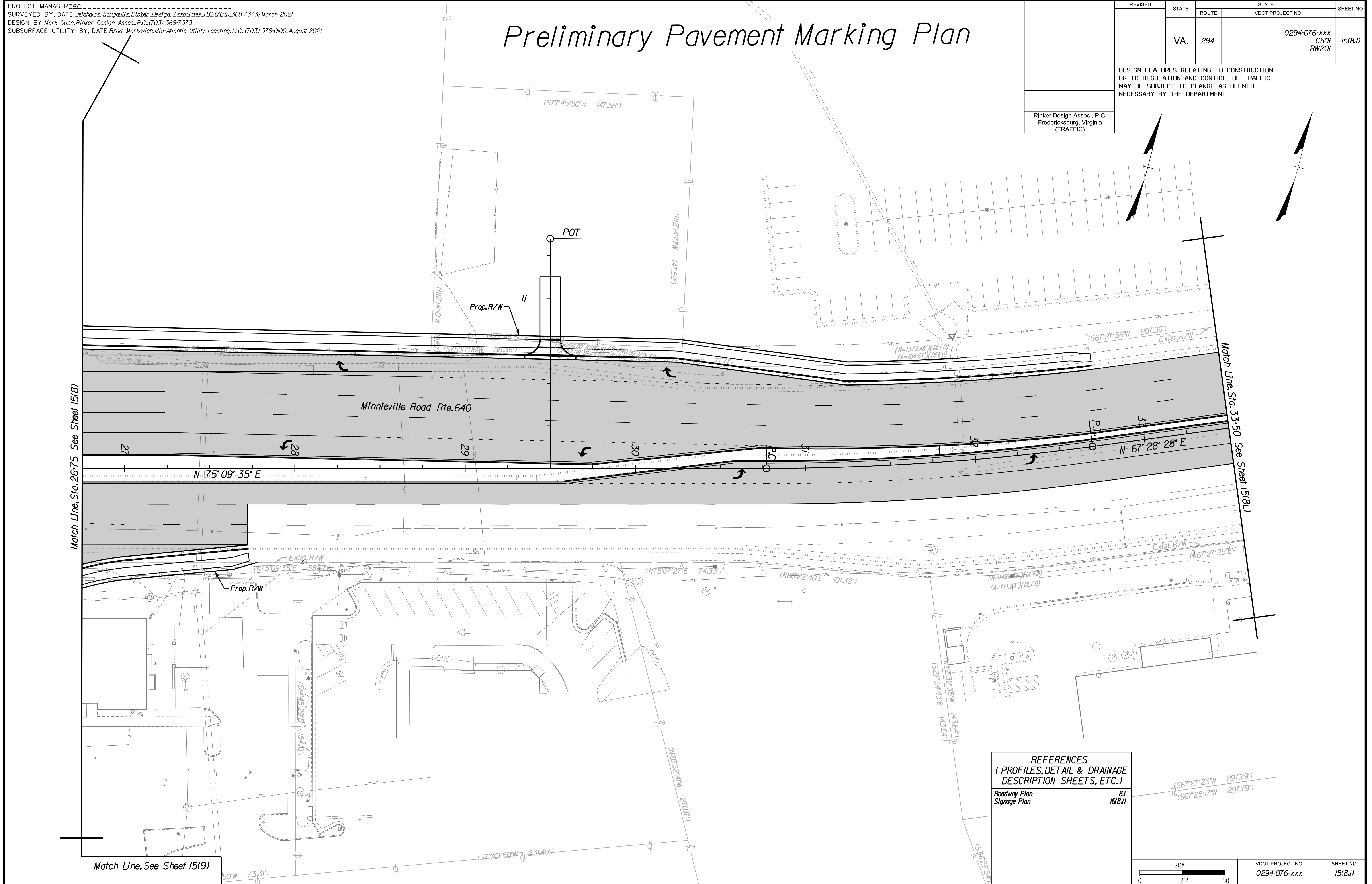
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(8J)

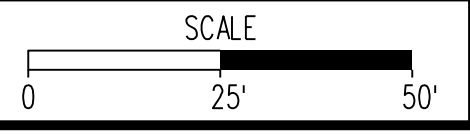
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan 8J
Signage Plan 16(8J)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 15(8J)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

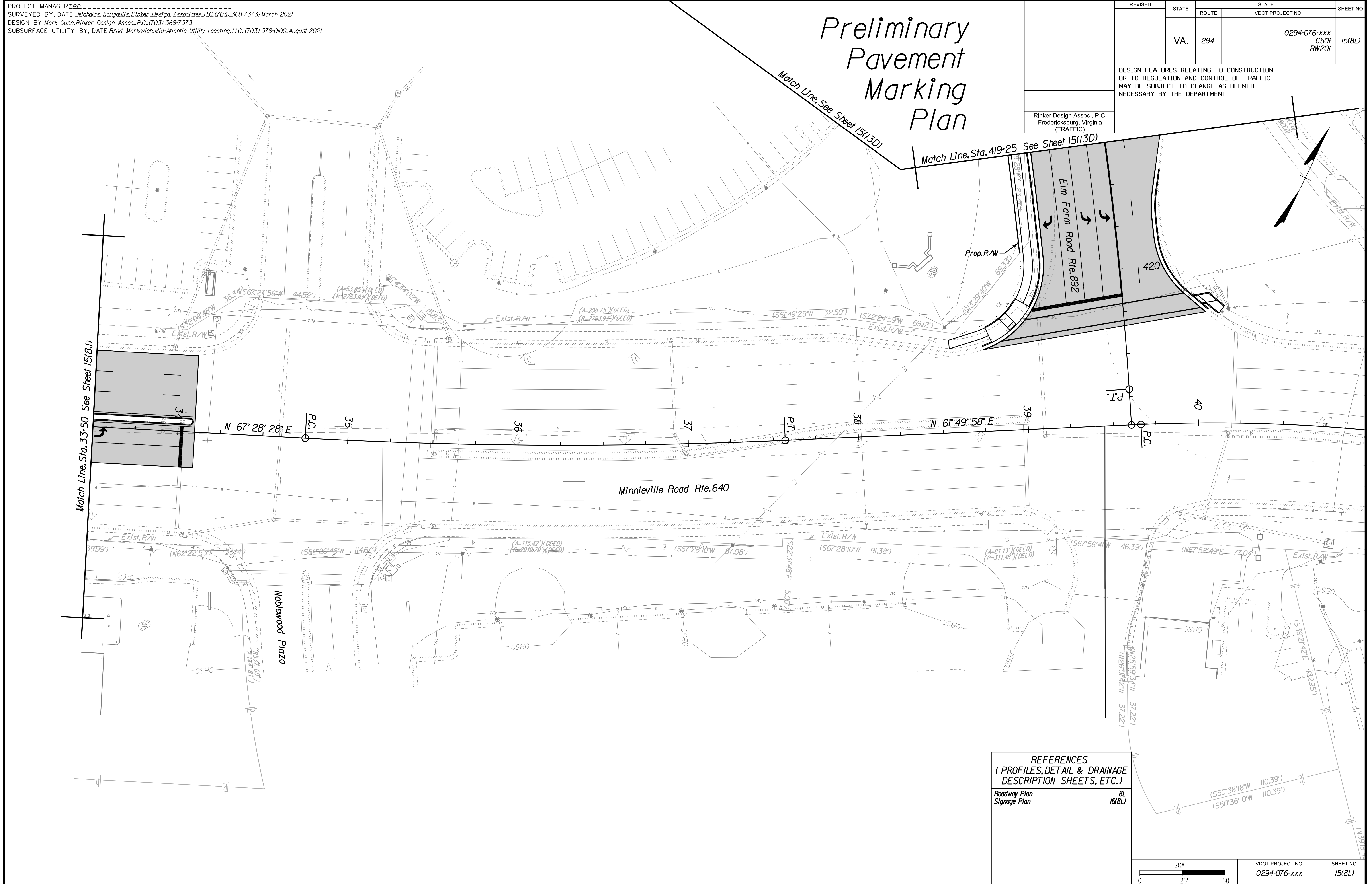
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

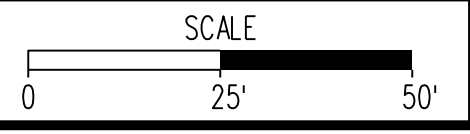
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(8L)

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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Roadway Plan 8L
Signage Plan 16(8L)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 15(8L)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

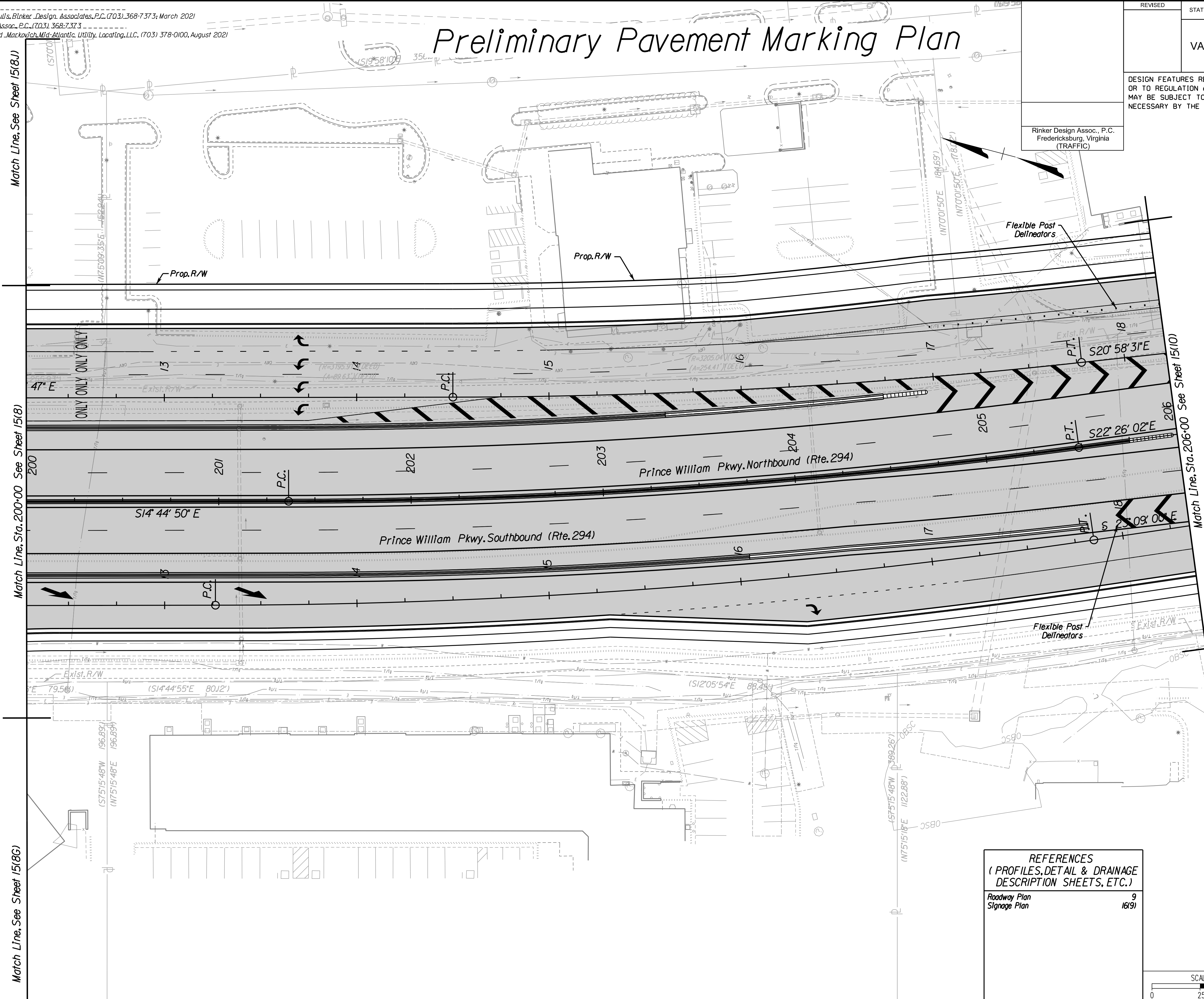
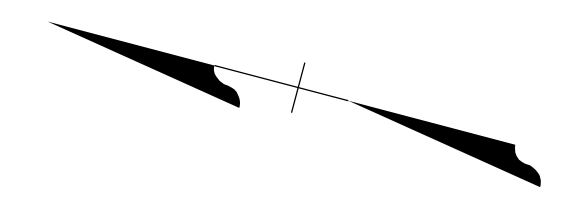
PROJECT MANAGER: T.B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Binker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Binker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(9)

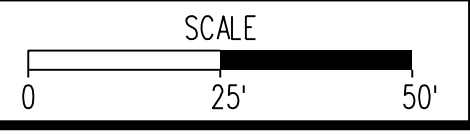
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan	9
Signage Plan	16(9)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(9)

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

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

PH PLANS

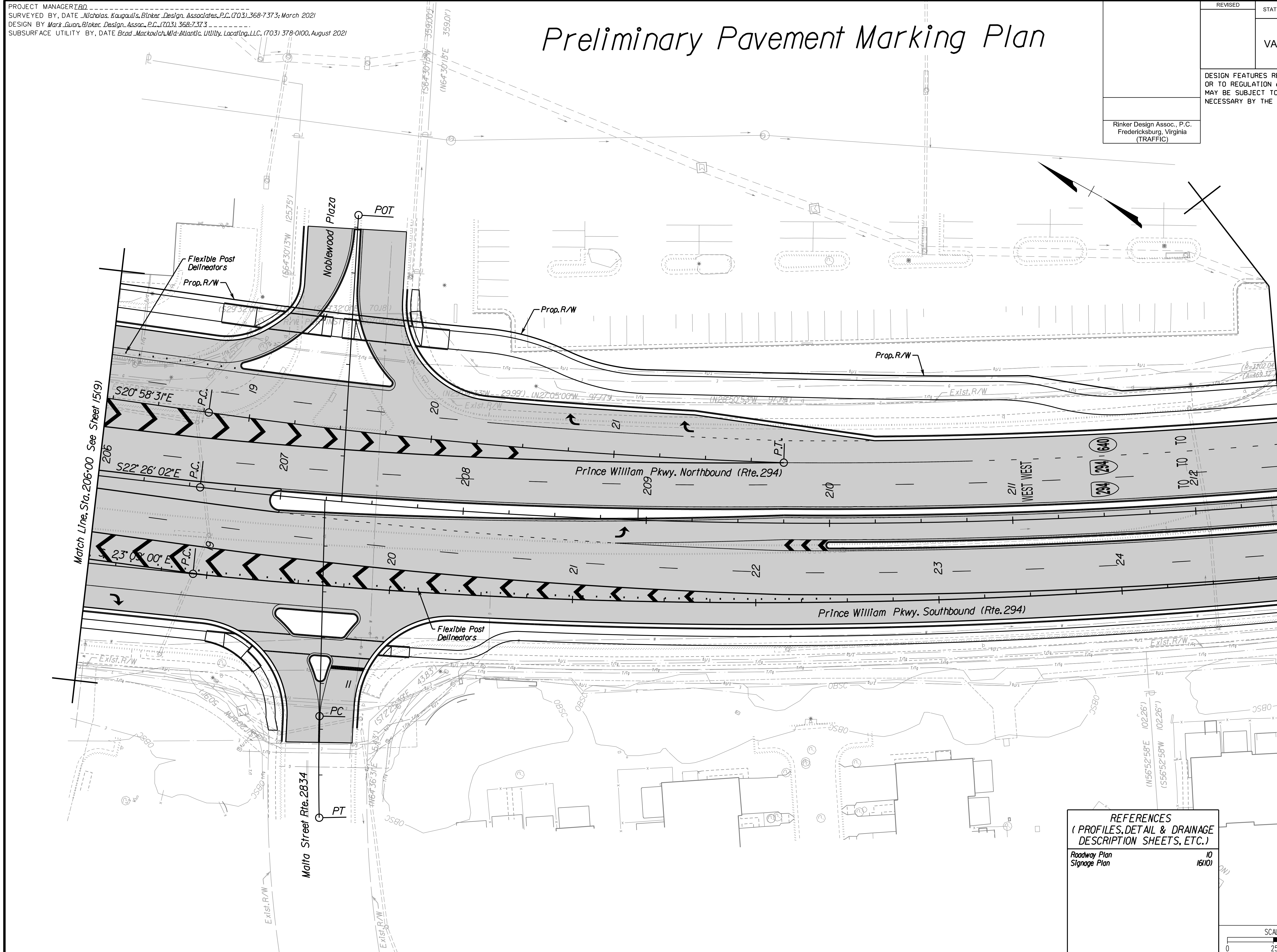
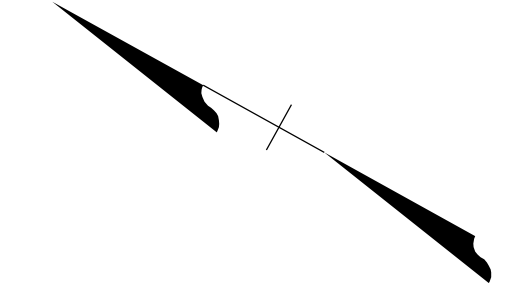
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Rinker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100; August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(10)

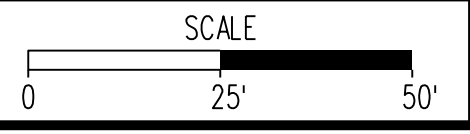
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan ID 16(10)
Signage Plan



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 15(10)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

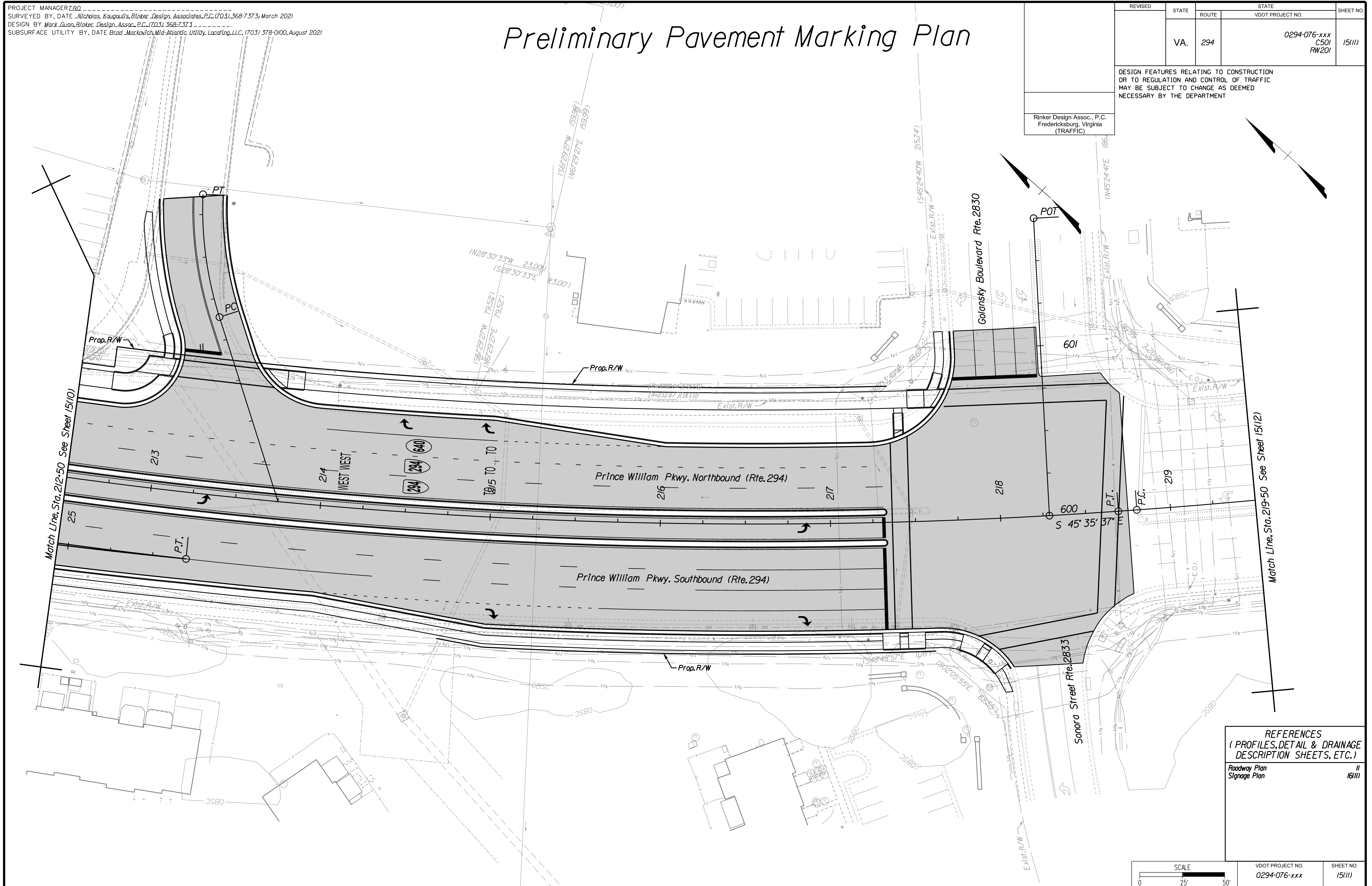
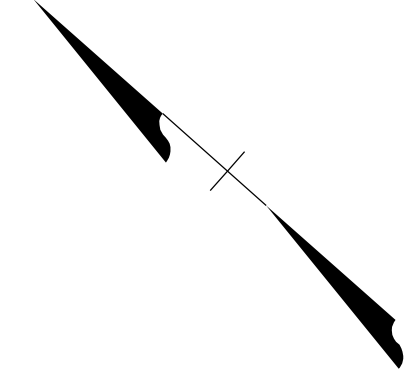
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blocker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(11)

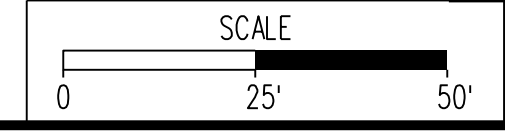
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan	11
Signage Plan	16(11)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	15(11)

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

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PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

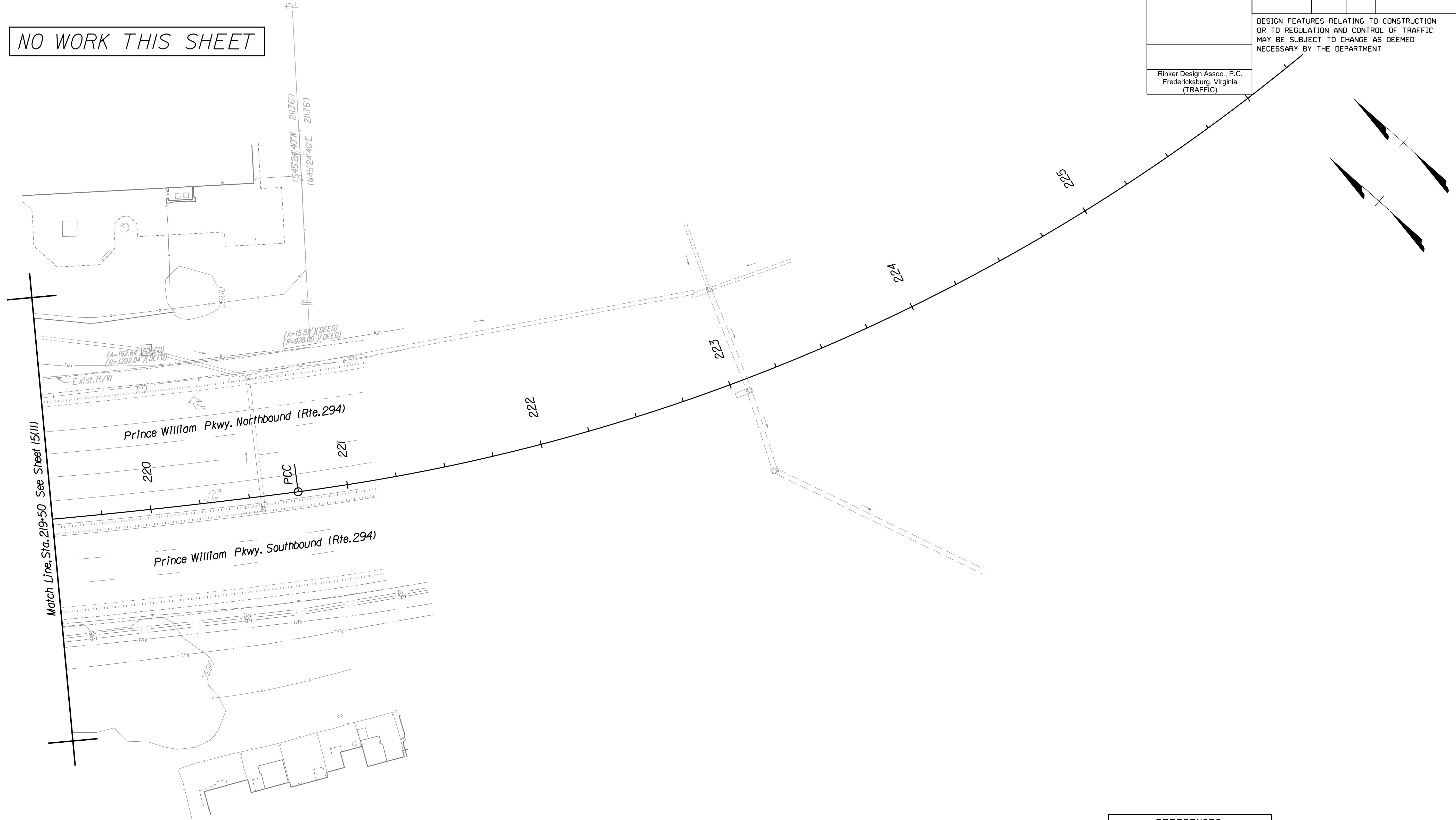
Preliminary Pavement Marking Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	15(12)

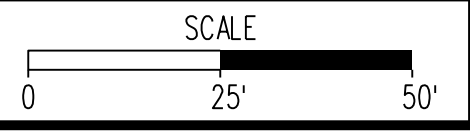
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

NO WORK THIS SHEET



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roadway Plan	12
Signage Plan	16(12)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 15(12)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

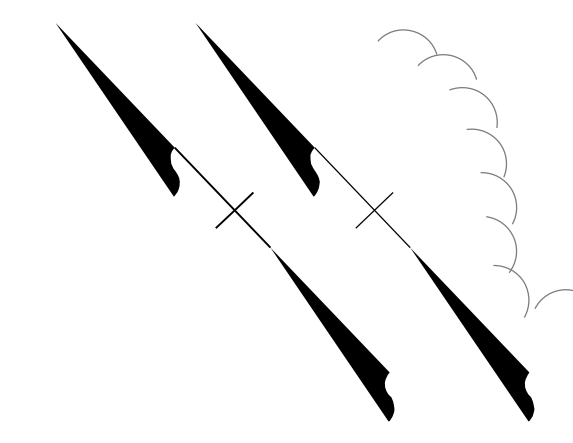
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(3)

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

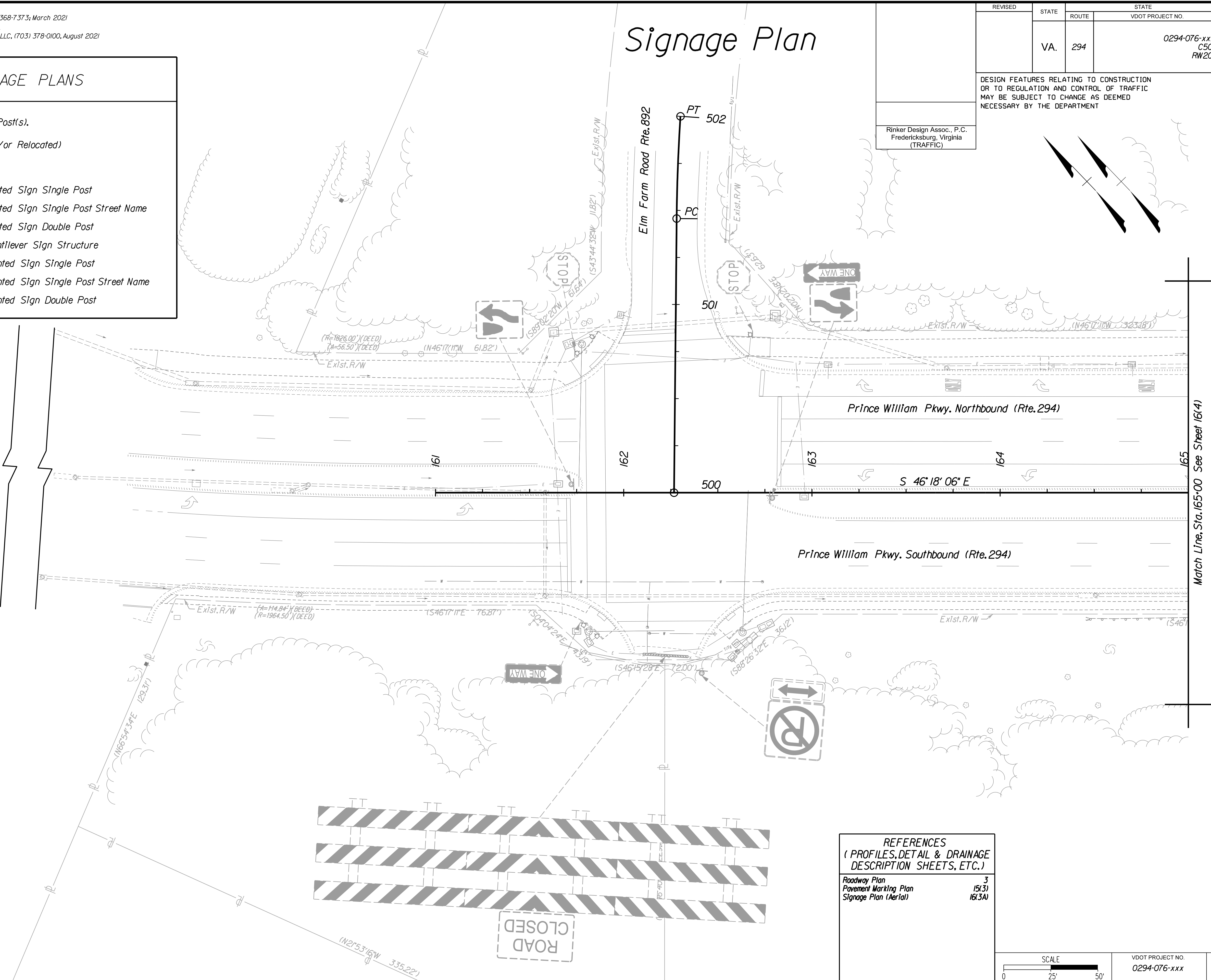
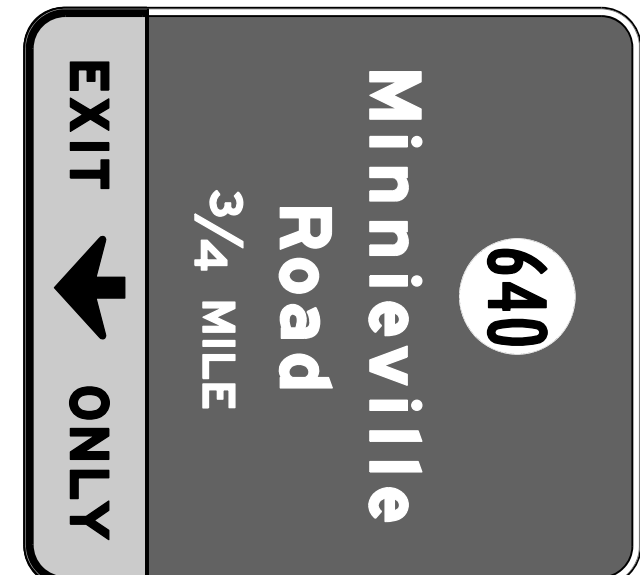
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



LEGEND FOR SIGNAGE PLANS

- Remove Exist. Sign(s) and Post(s).
- SIGNAGE** Proposed Sign Panel (and/or Relocated)
- SIGNAGE Existing Sign Panel
- Denotes Prop. Ground Mounted Sign Single Post
- Denotes Prop. Ground Mounted Sign Single Post Street Name
- Denotes Prop. Ground Mounted Sign Double Post
- Denotes Prop. Overhead Cantilever Sign Structure
- Denotes Exist. Ground Mounted Sign Single Post
- Denotes Exist. Ground Mounted Sign Single Post Street Name
- Denotes Exist. Ground Mounted Sign Double Post

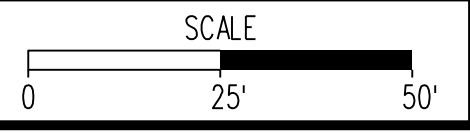
OHSS to be placed in the median, approx. 1/2 mile in advance of the 1/4 MILE OHSS on Sheet 16(4).
See Sheet 16(3A) for location with aerial reference.



REFERENCES

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

Roadway Plan	3
Pavement Marking Plan	15(3)
Signage Plan (Aerial)	16(3A)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	16(3)

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

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

PH PLANS

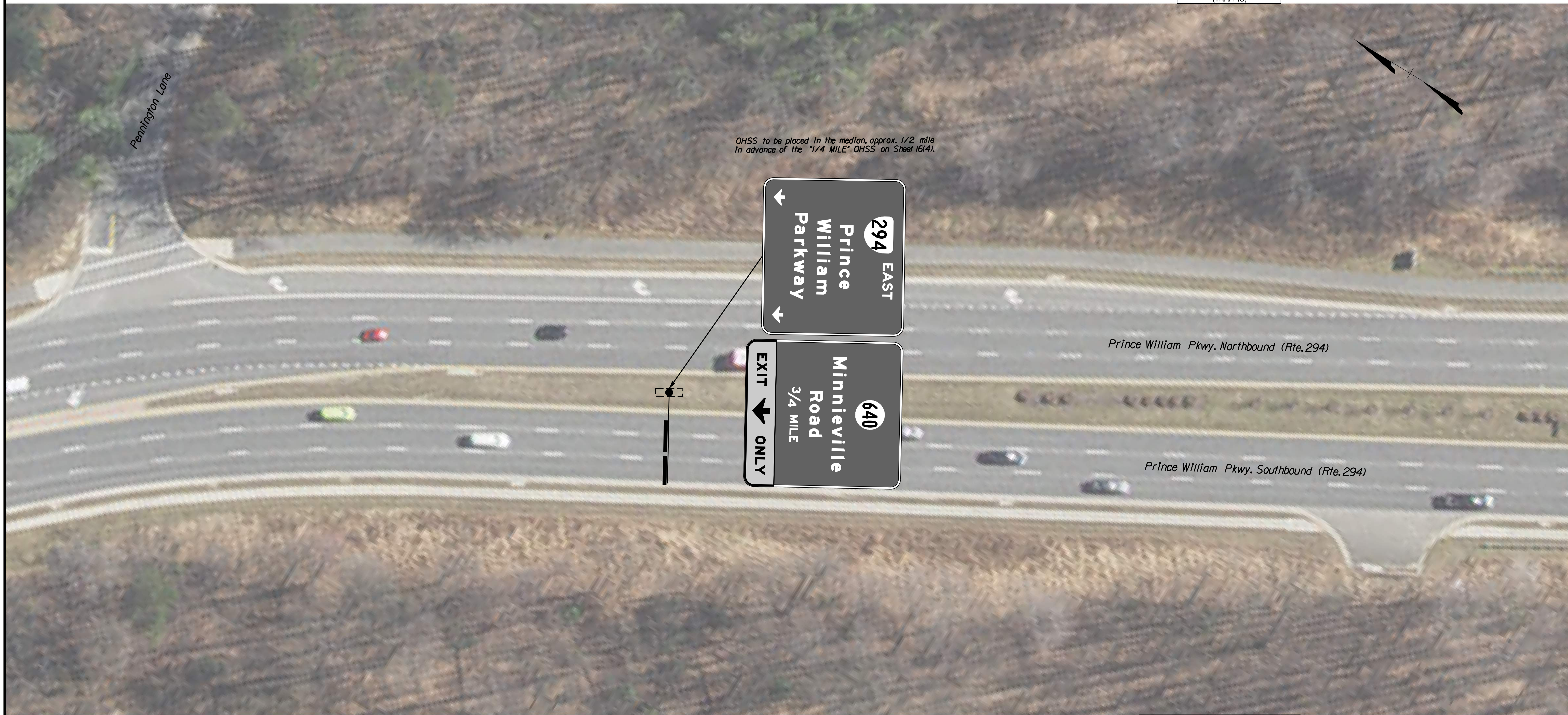
PROJECT MANAGER: BD
SURVEYED BY, DATE: *Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021*
DESIGN BY: *Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373*
SUBSURFACE UTILITY BY, DATE: *Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021*

Signage Plan

REVISED	STATE	STATE	SHEET NO.
	VA.	VDOT PROJECT NO.	16(3A)
	294	0294-076-xxx CS01 RW201	

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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Signage Plan 16(3)

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 16(3A)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

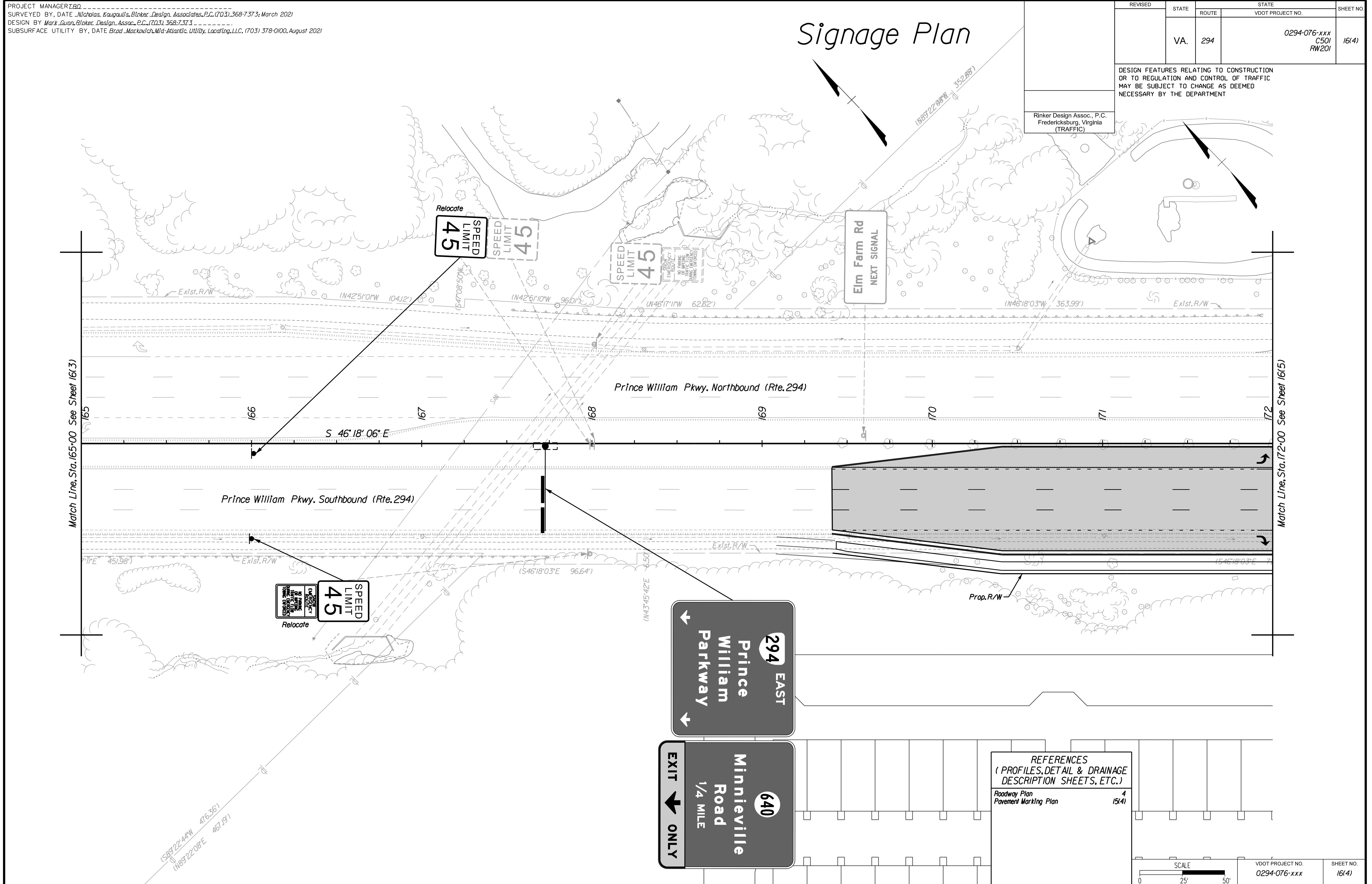
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

Signage Plan



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

Roadway Plan	4
Pavement Marking Plan	15(4)

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	16(4)

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

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

PH PLANS

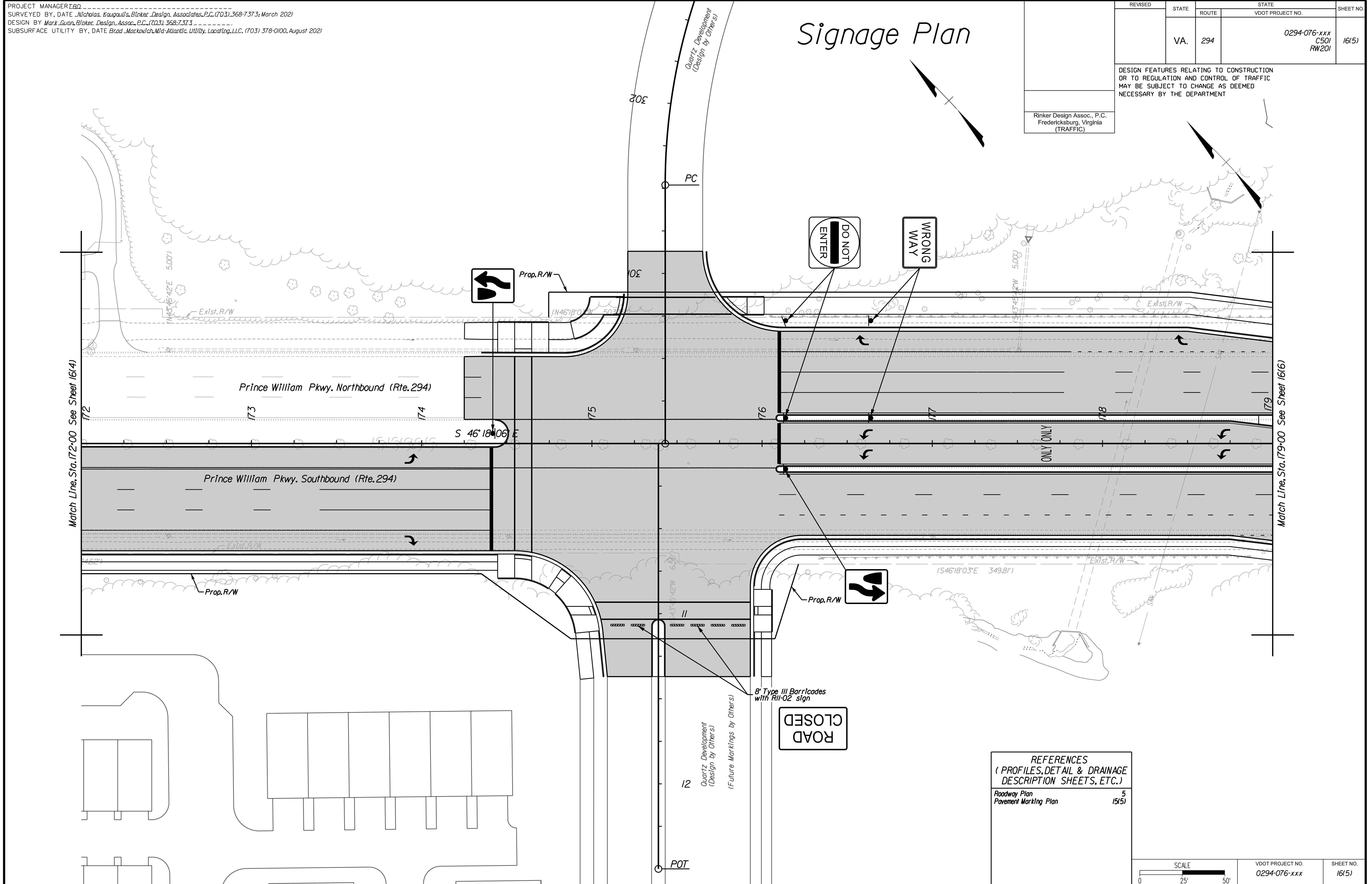
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SURVEYED BY, DATE: Nicholas Kougoullis, Blocker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	16(5)

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

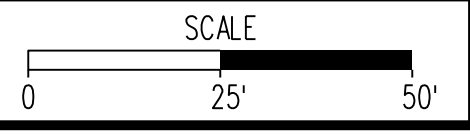
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

Signage Plan



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

Roadway Plan	5
Pavement Marking Plan	15(5)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	16(5)

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

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

PH PLANS

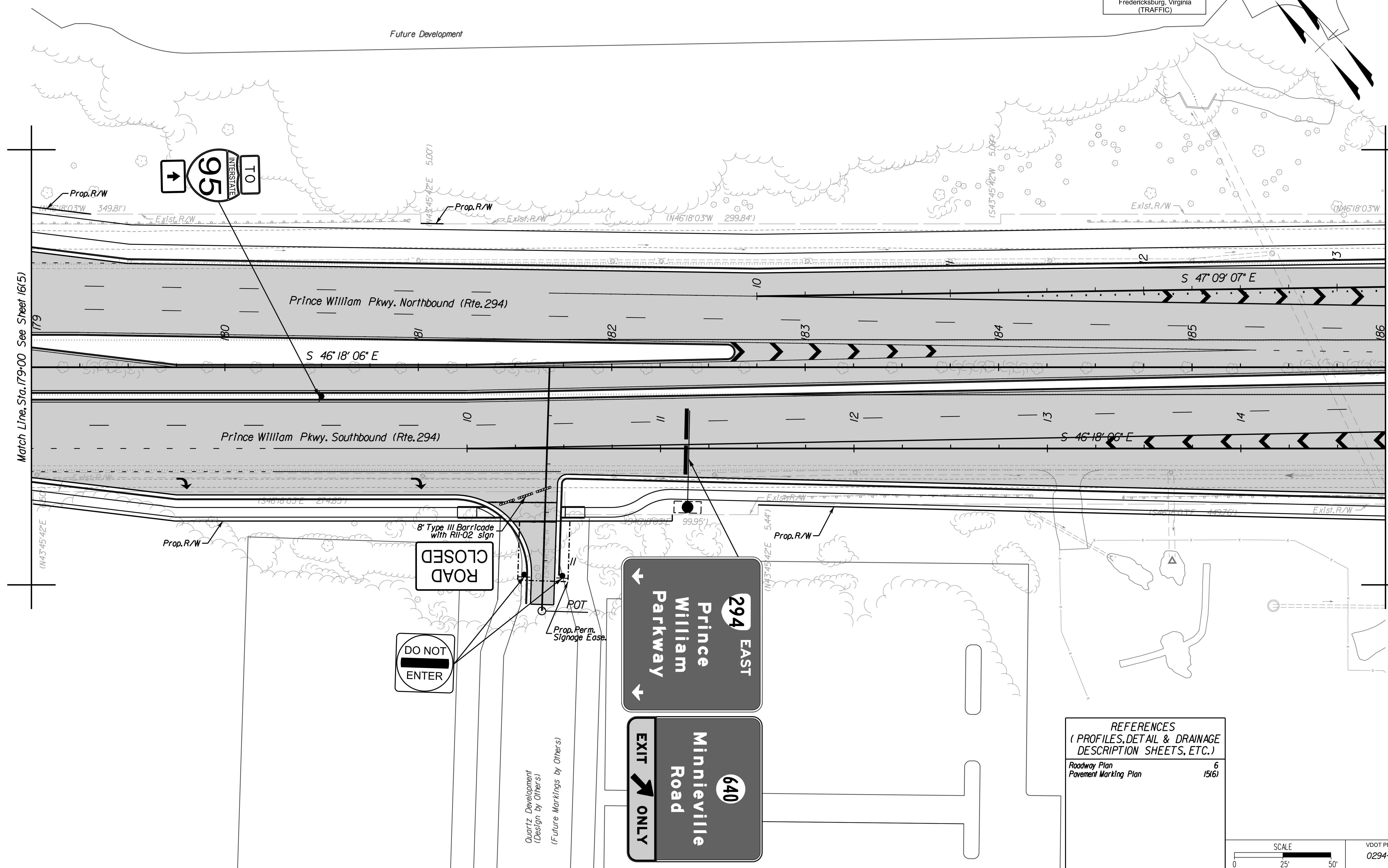
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blotek Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotek Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

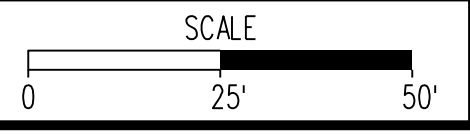
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(6)

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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Roadway Plan 6
Pavement Marking Plan 15(6)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	16(6)

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

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

PH PLANS

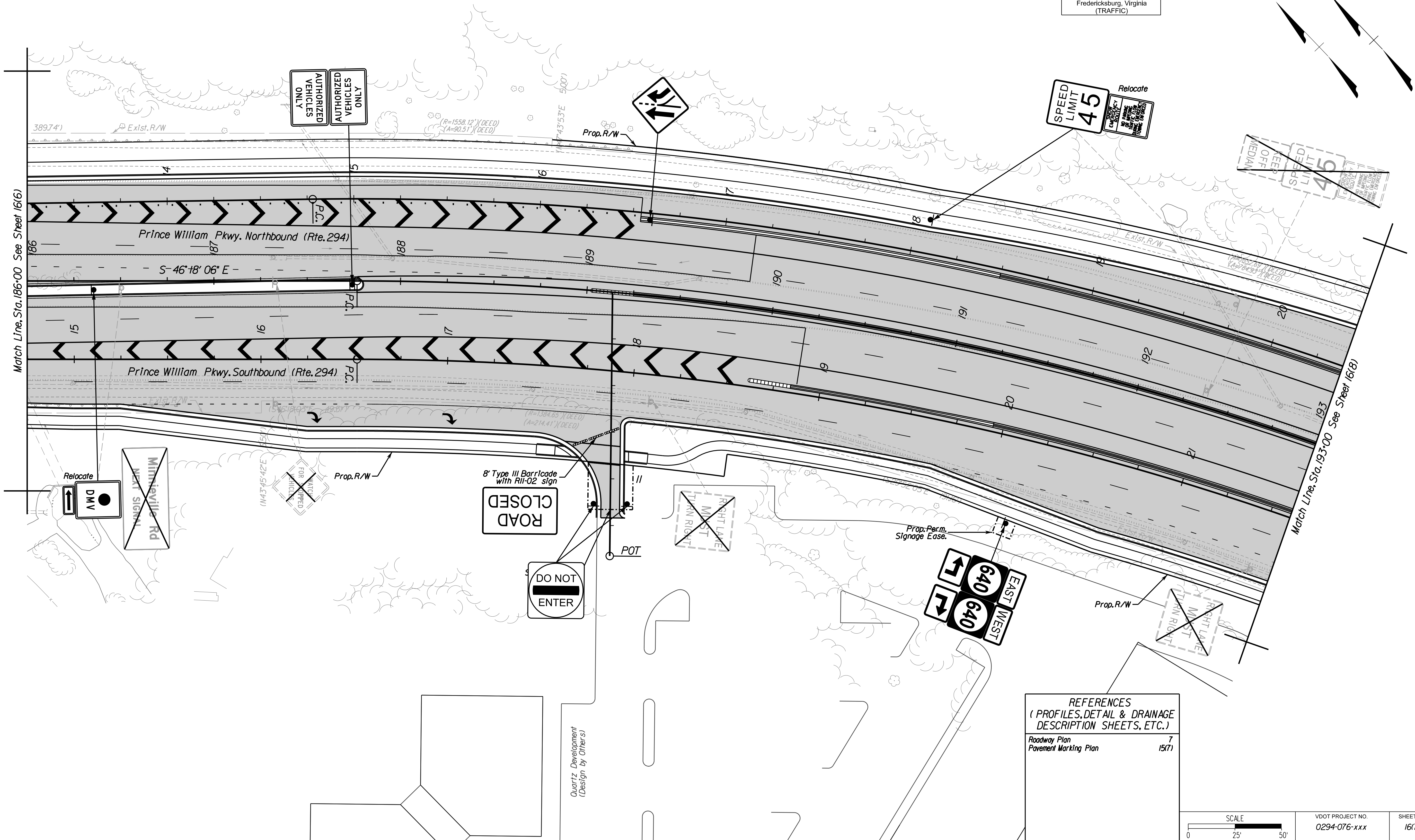
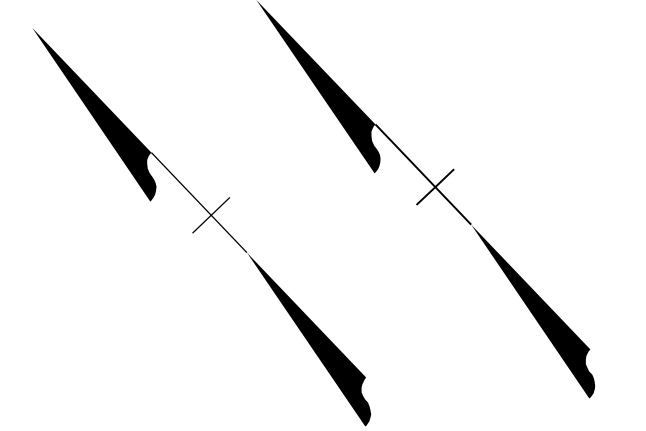
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

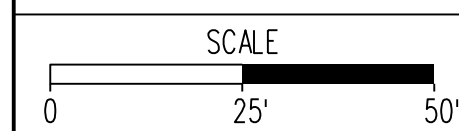
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(7)

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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



REFERENCES
(PROFILES, DETAIL & DRAINAGE
DESCRIPTION SHEETS, ETC.)
Roadway Plan 7
Pavement Marking Plan 15(7)



SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	16(7)

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

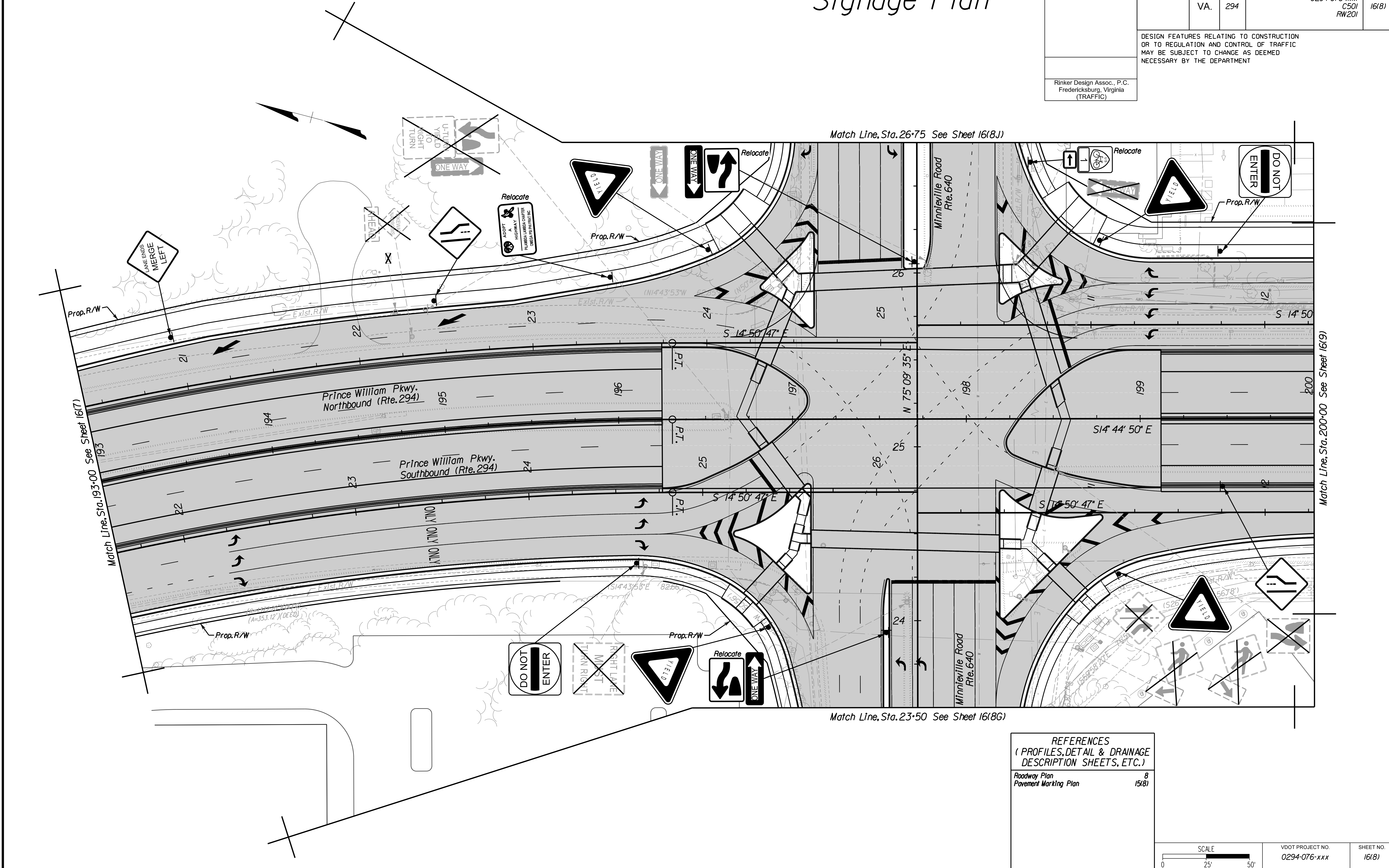
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas, Kougoullis, Blaker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(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 Assoc., P.C. Fredericksburg, Virginia (TRAFFIC)					



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roadway Plan	8
Pavement Marking Plan	15(8)

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 16(8)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

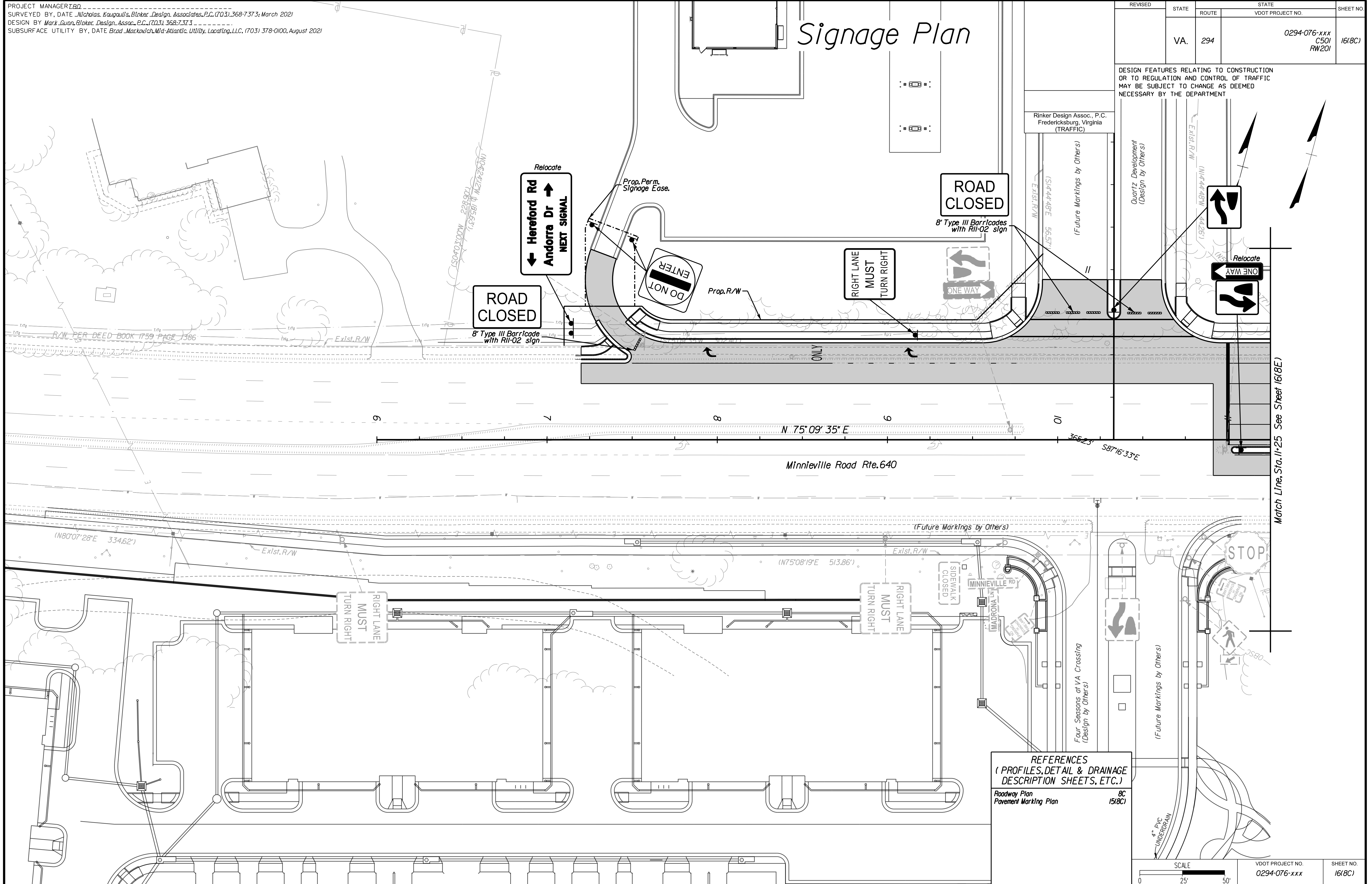
PH PLANS

PROJECT MANAGER: B.D.
 SURVEYED BY, DATE: Nicholas, Kougoullis, Blocker Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	1618C

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



REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
 Roadway Plan Pavement Marking Plan 8C 1518C

SCALE	VDOT PROJECT NO.	SHEET NO.
0 25' 50'	0294-076-xxx	1618C

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

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

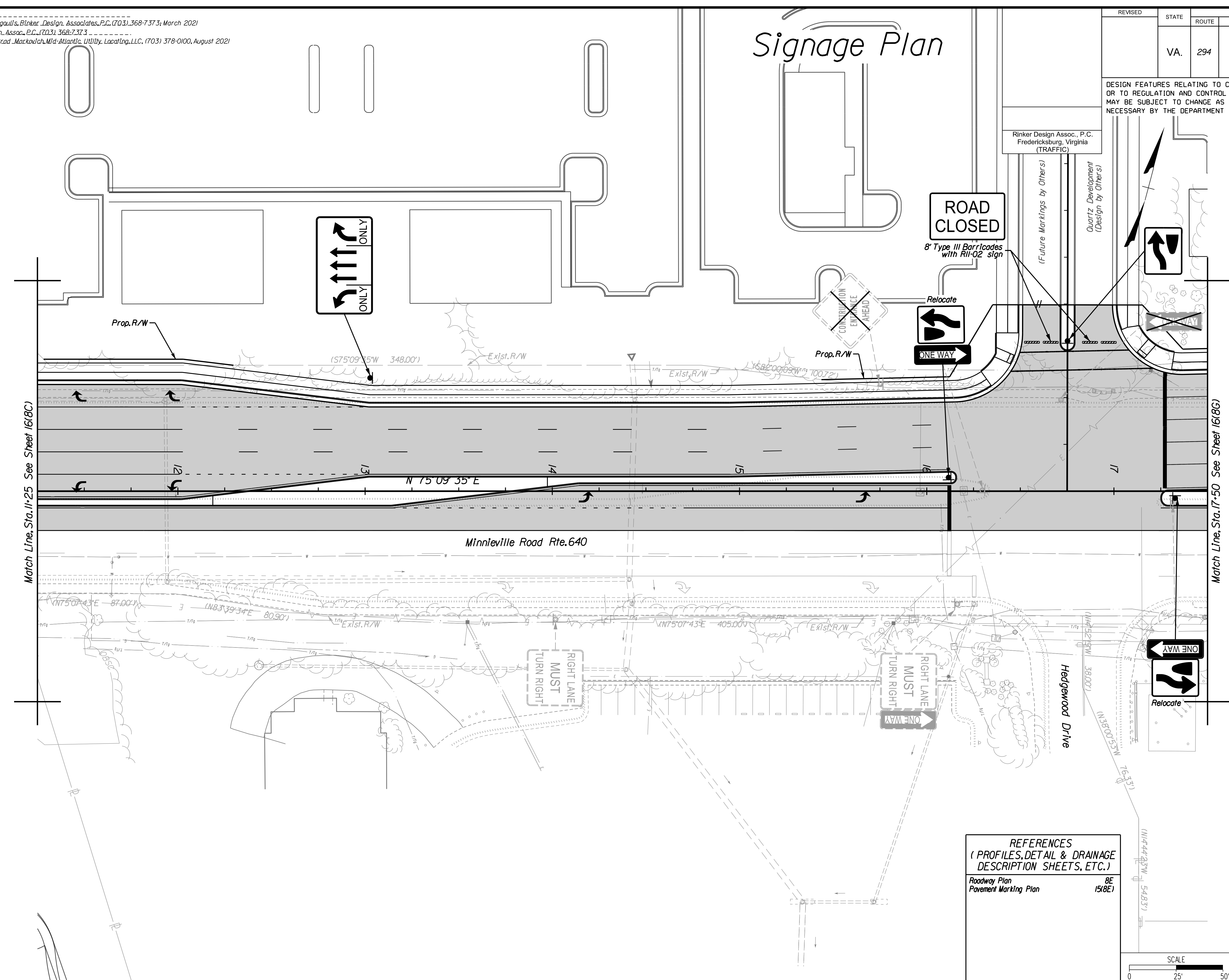
PH PLANS

PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas, Kougoullis, Blocker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

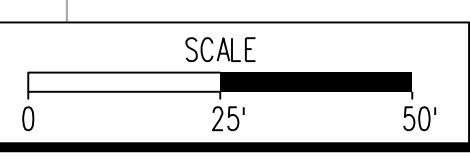
REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx CS01 RW201	16(8E)

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

Signage Plan



REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)
Roadway Plan 8E
Pavement Marking Plan 15(8E)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 16(8E)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

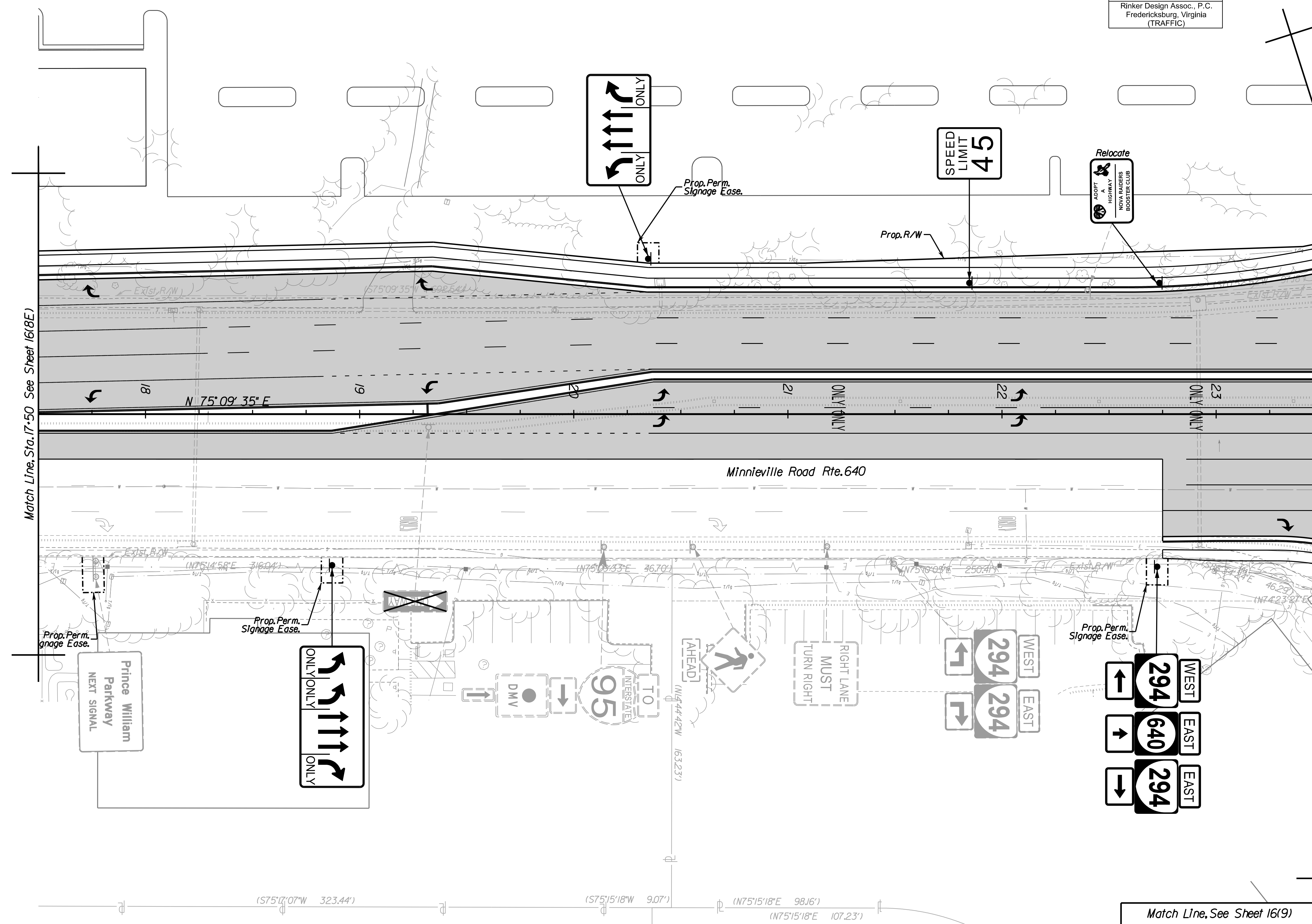
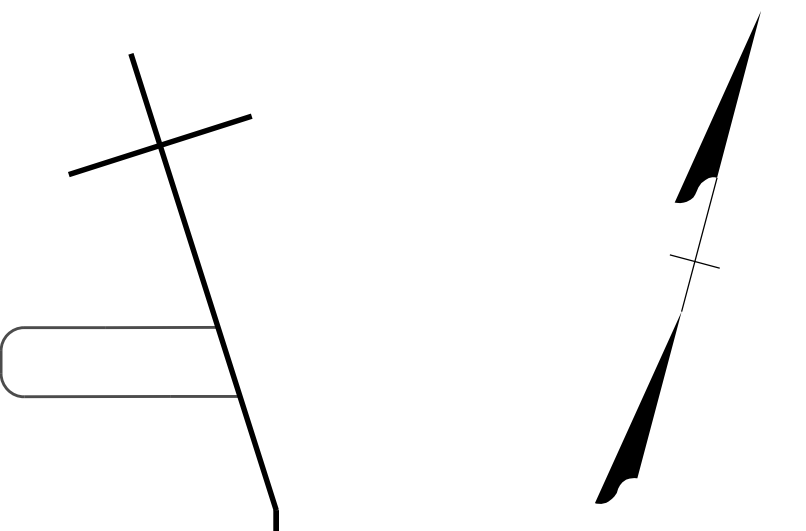
PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	161(8G)

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

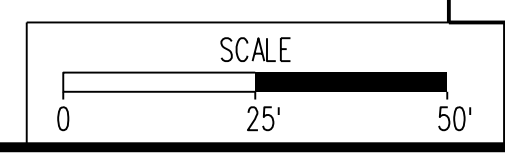
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan	8G
Pavement Marking Plan	151(8G)

Match Line, See Sheet 161(9)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	161(8G)

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

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

PH PLANS

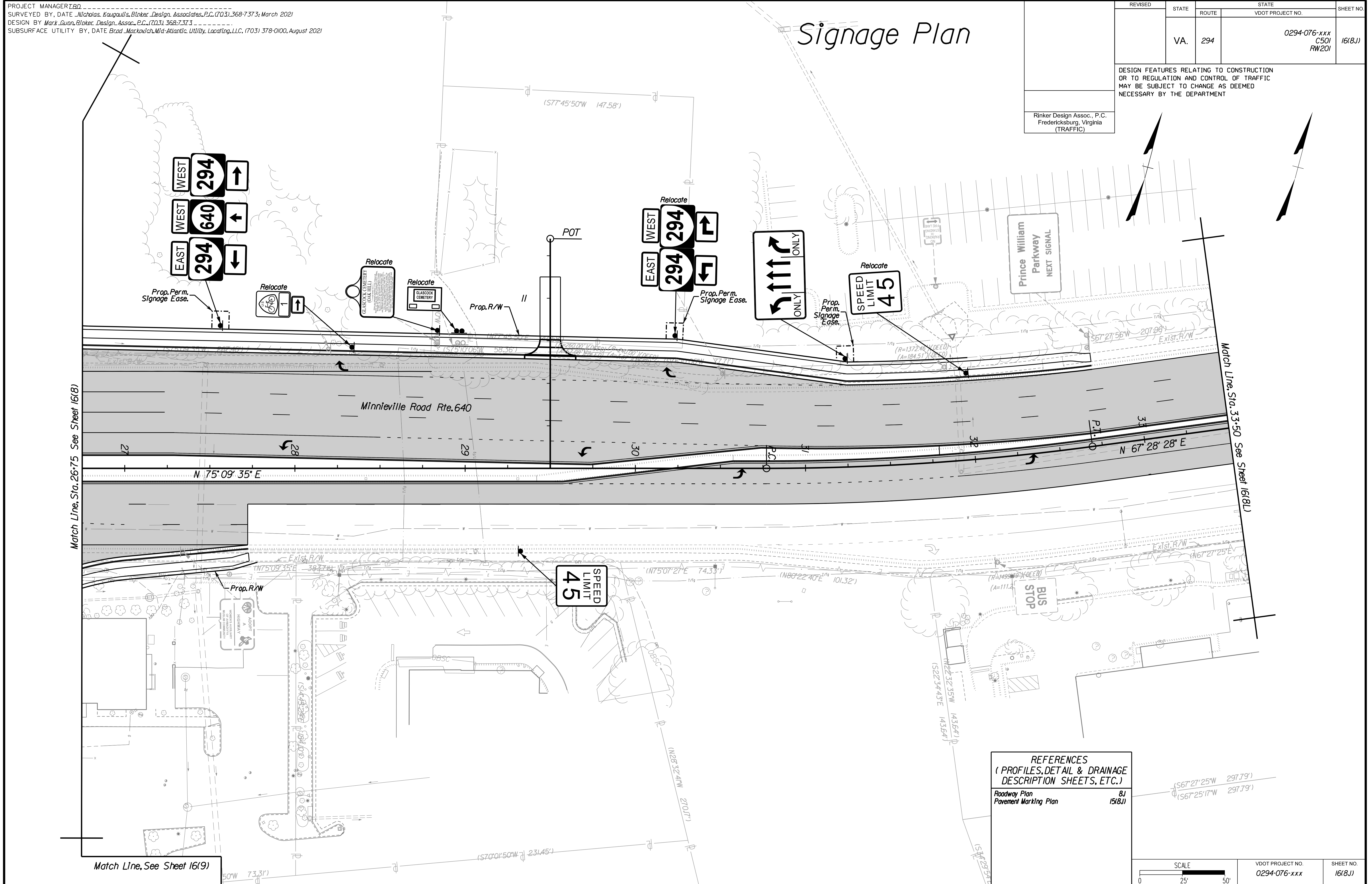
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SURVEYED BY, DATE: Nicholas Kougoullis, Blaker Design Associates, P.C. (703) 368-7373, March 2021
DESIGN BY: Mark Guon, Blaker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	1618J

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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

Signage Plan



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

Roadway Plan	8J
Pavement Marking Plan	1518J

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1618J
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

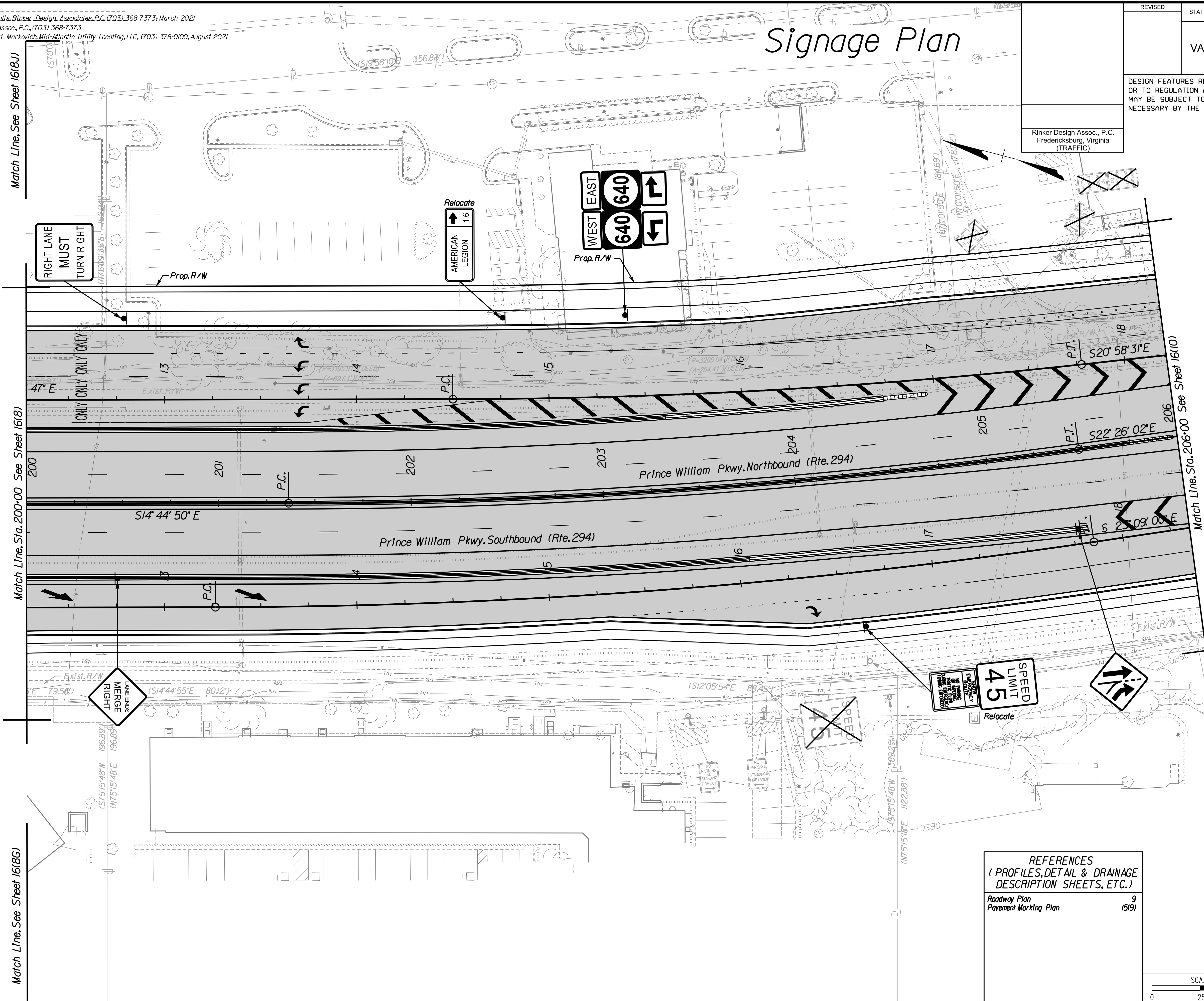
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DESIGN BY: Mark Guon, Rinker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(9)

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

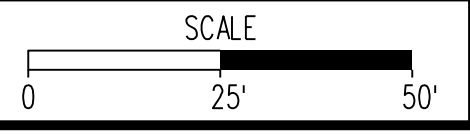
Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

Signage Plan



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

Roadway Plan	9
Pavement Marking Plan	15(9)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	16(9)

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

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PH PLANS

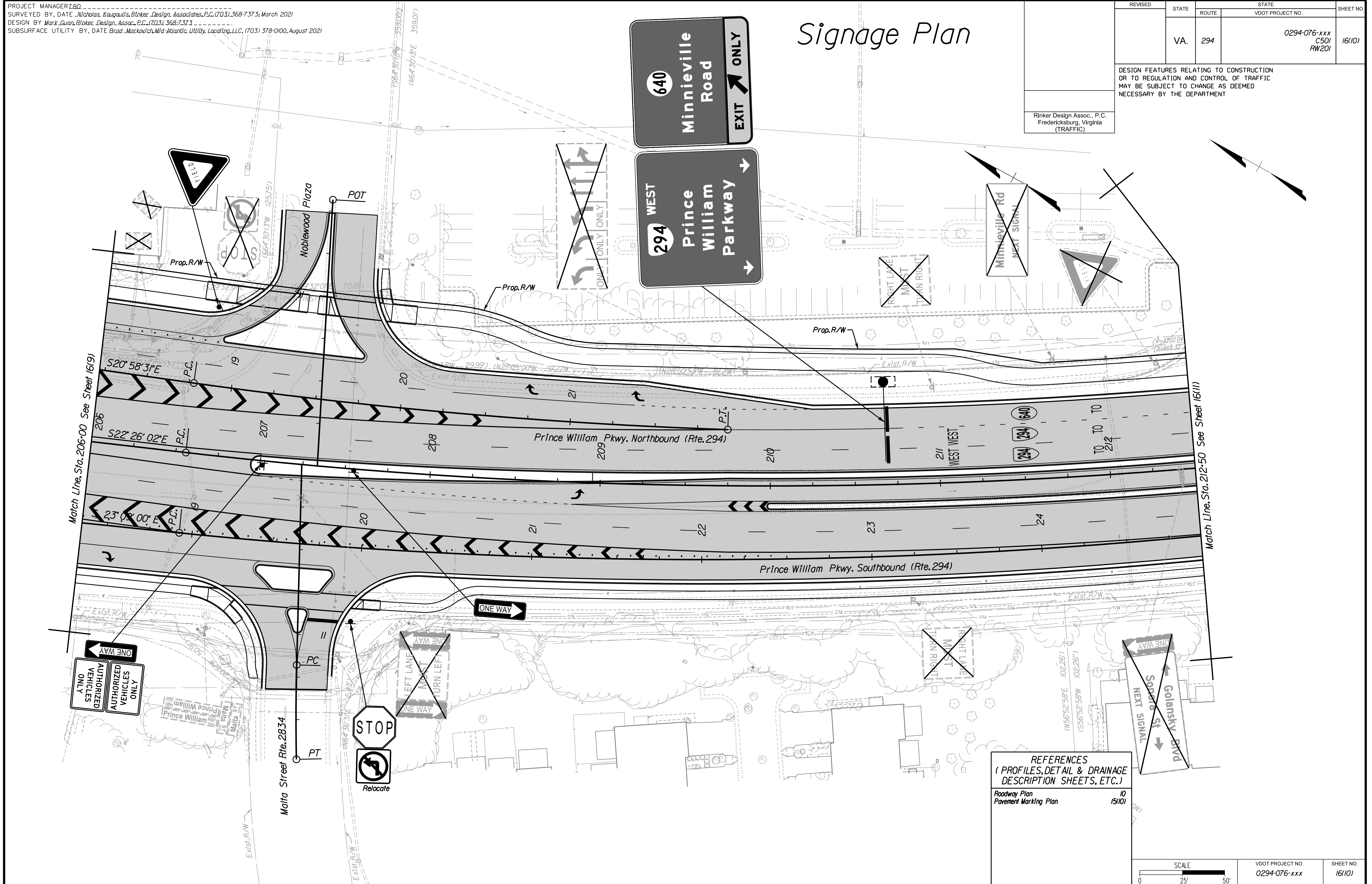
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DESIGN BY: Mark Guon, Biotec Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackovich, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(10)

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 Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)

Signage Plan



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

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PH PLANS

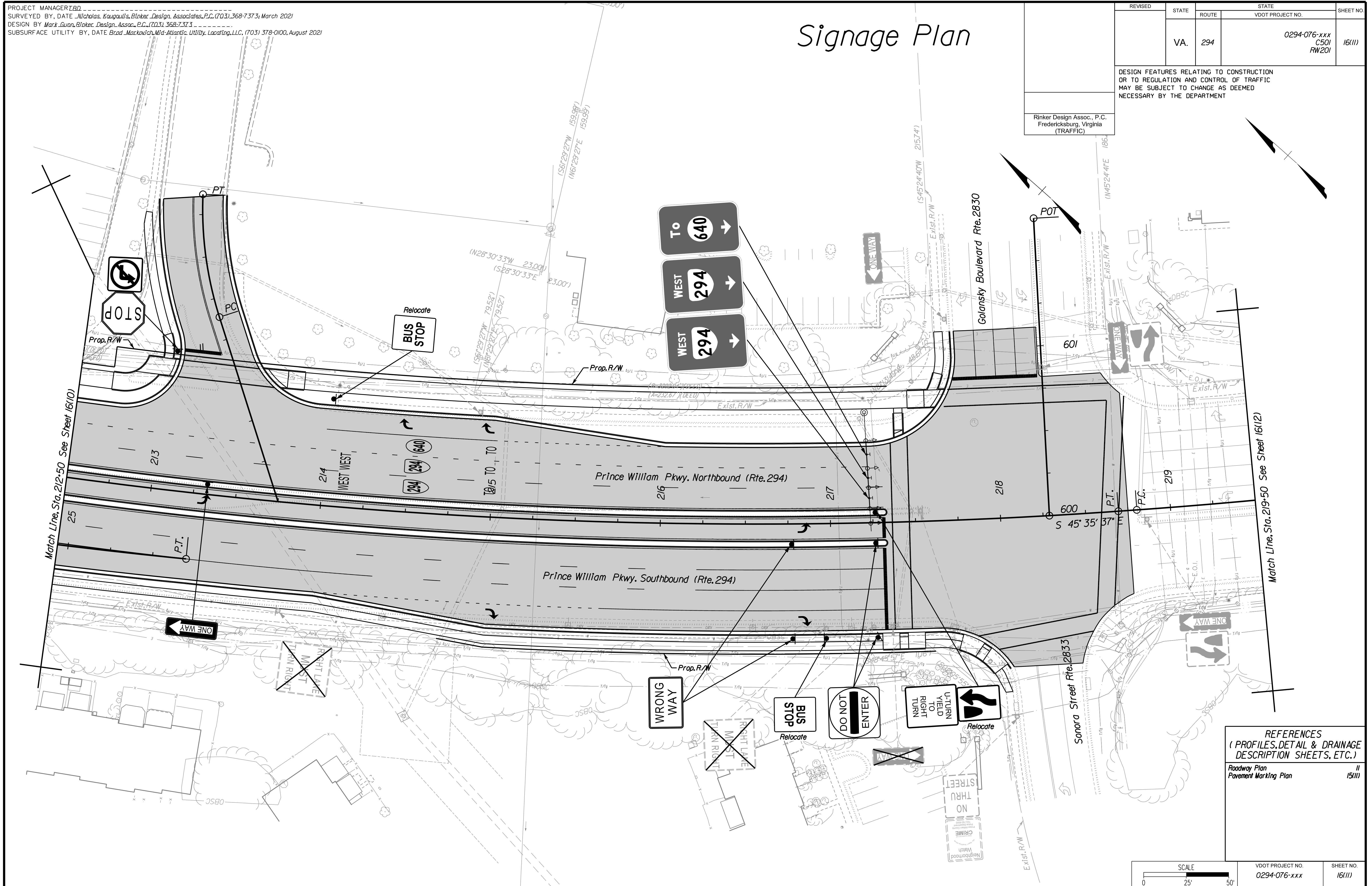
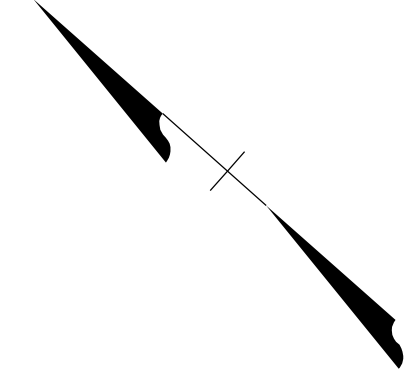
PROJECT MANAGER: B.D.
SURVEYED BY, DATE: Nicholas Kougoullis, Blocker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC, (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(11)

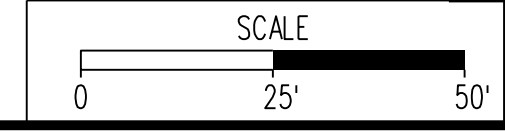
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



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

Roadway Plan II
Pavement Marking Plan 15(11)



VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 16(11)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

PH PLANS

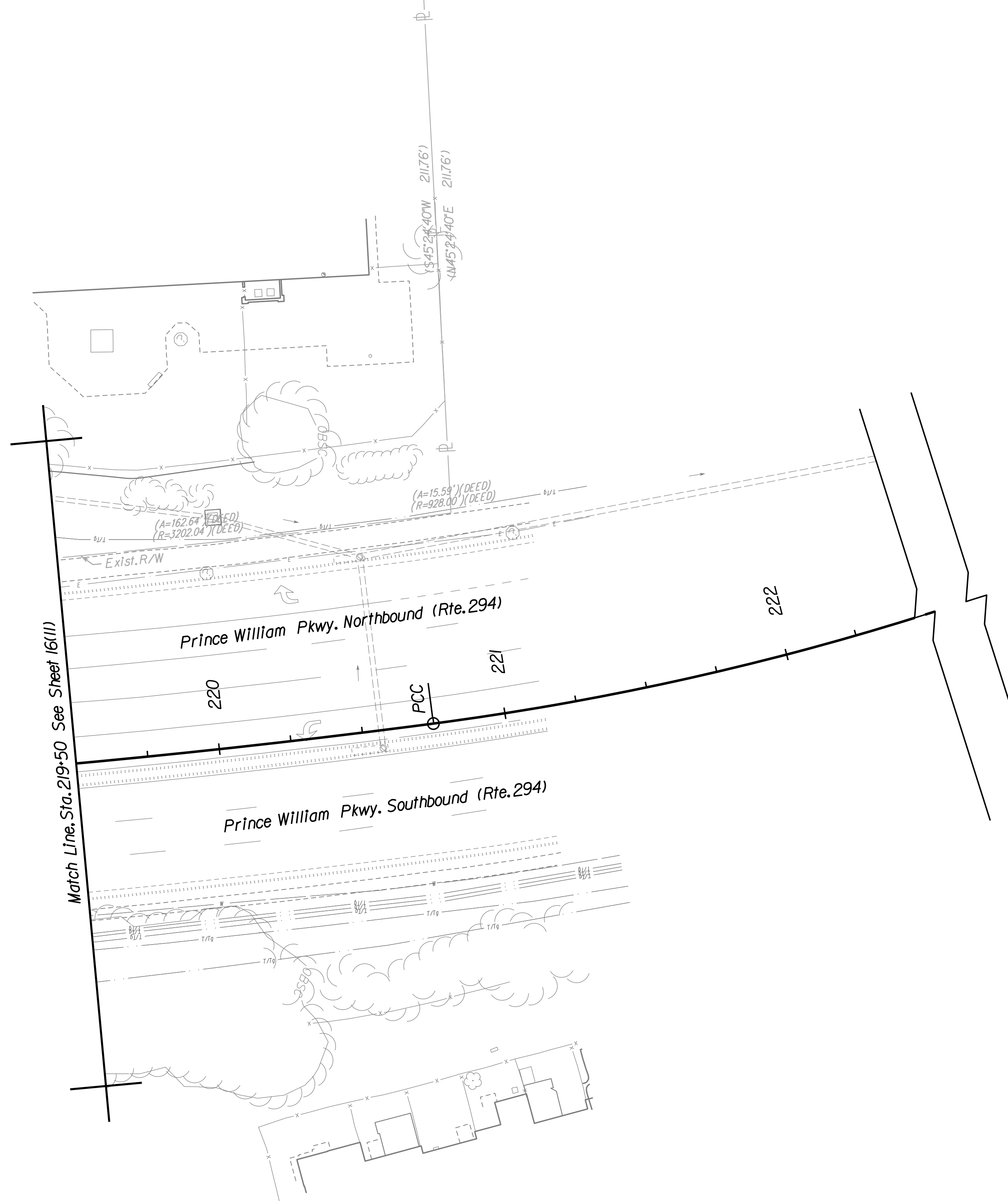
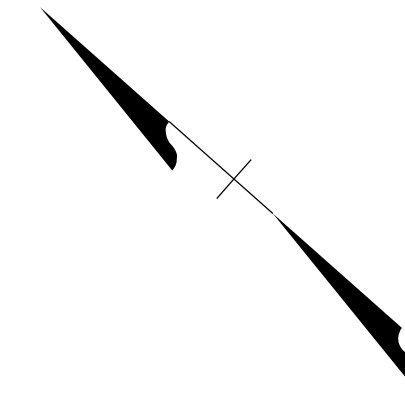
PROJECT MANAGER: TBD
SURVEYED BY, DATE: Nicholas Kougoullis, Blocker Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(12)

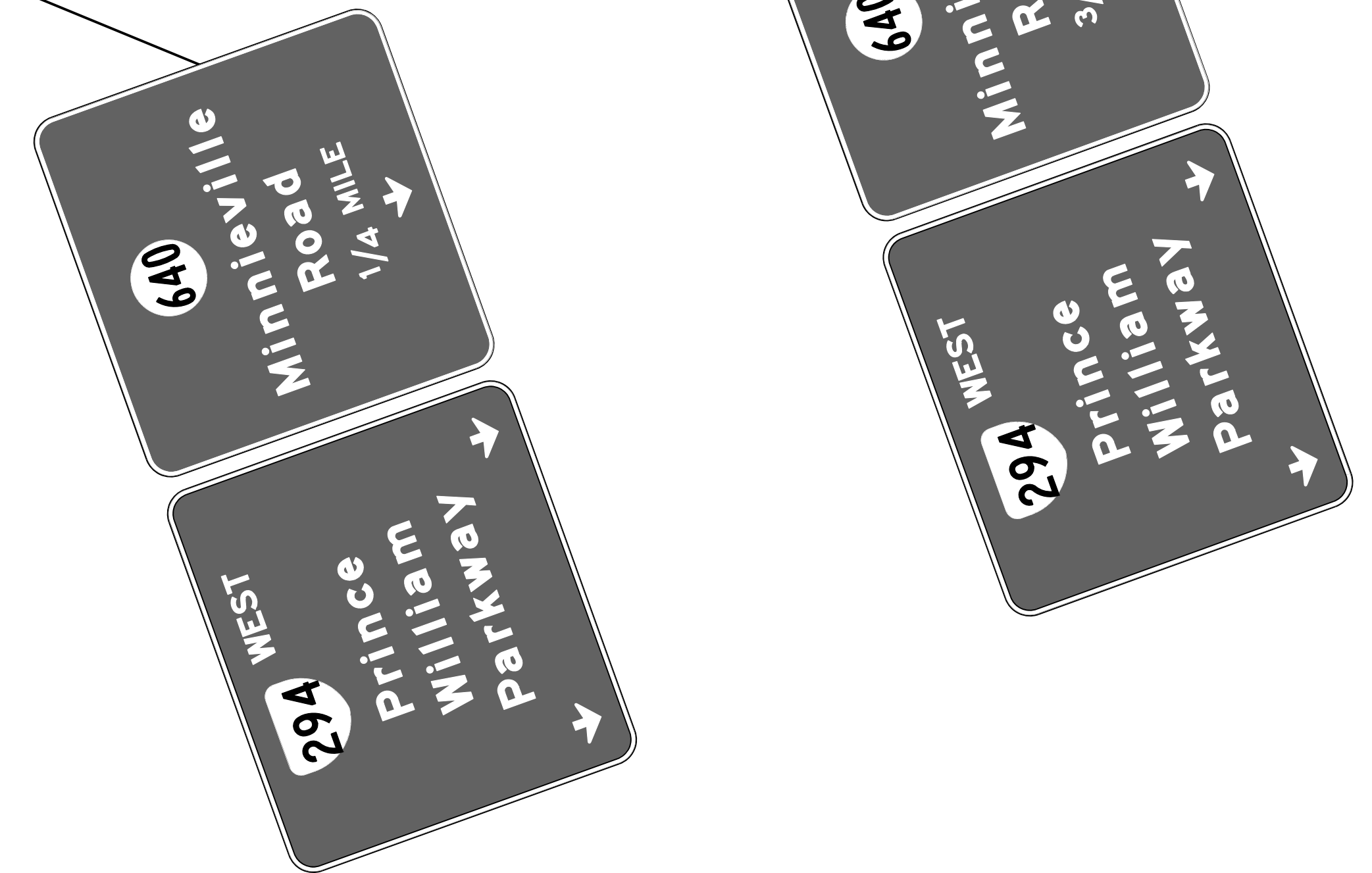
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rinker Design Assoc., P.C.
Fredericksburg, Virginia
(TRAFFIC)



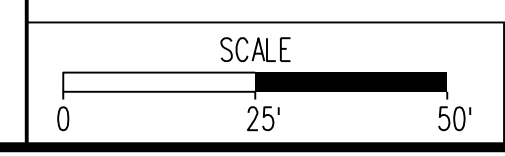
OHSS to be placed in the median, approx. 1/4 mile in advance of the "EXIT ONLY" OHSS on Sheet 16(10).
See Sheet 16(12A) for location with aerial reference.

OHSS to be placed in the median, approx. 1/2 mile in advance of the "1/4 MILE" OHSS on this sheet.
See Sheet 16(12B) for location with aerial reference.



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

Roadway Plan	12
Pavement Marking Plan	15(12)
Signage Plan (Aerial)	16(12A) & 16(12B)



VDOT PROJECT NO.	SHEET NO.
0294-076-xxx	16(12)

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

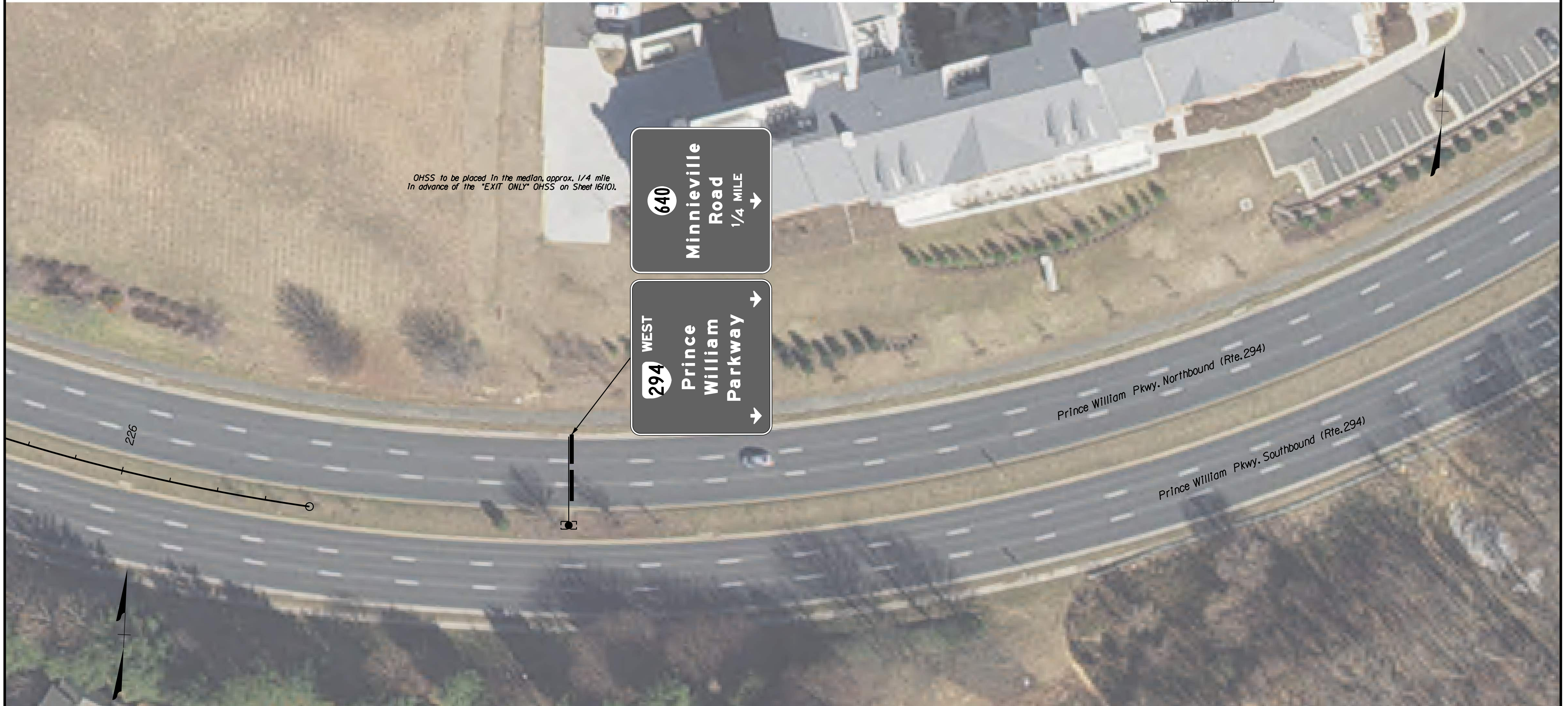
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Signage Plan

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	16(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 Assoc., P.C. Fredericksburg, Virginia (TRAFFIC)					



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Signage Plan	16(12)

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 16(12A)
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: *Nicholas Kougoullis, Biotek Design Associates, P.C. (703) 368-7373, March 2021*
 DESIGN BY: *Mark Guon, Biotek Design Assoc., P.C. (703) 368-7373*
 SUBSURFACE UTILITY BY, DATE: *Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021*

Signage Plan

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	16(12B)
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 Assoc., P.C. Fredericksburg, Virginia (TRAFFIC)				



OHSS to be placed in the median, approx. 1/2 mile in advance of the "1/4 MILE" OHSS on Sheet 16(12A).

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Signage Plan	16(12)

SCALE 0 25' 50'	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 16(12B)
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PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotek Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotek Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

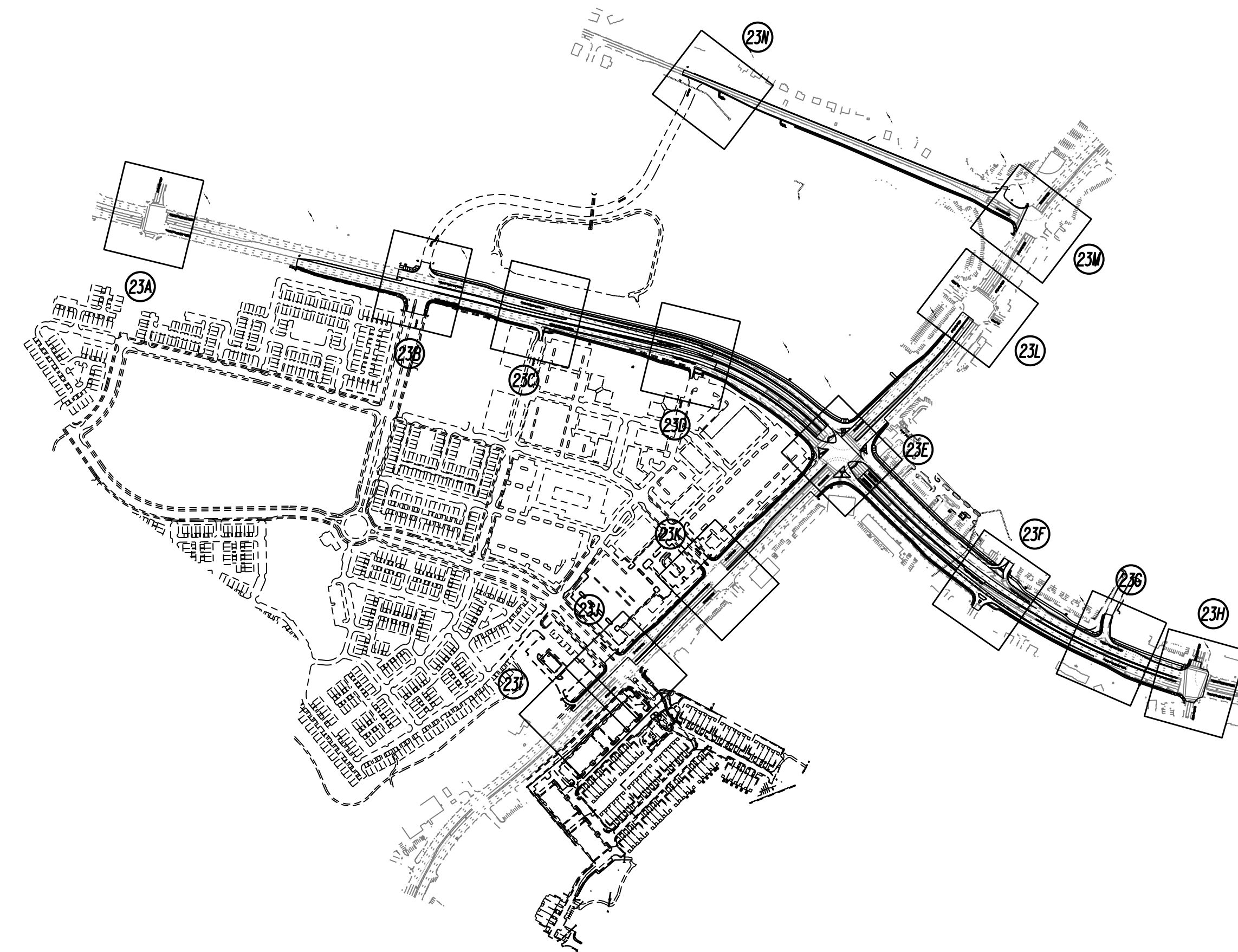
AutoTURN General Notes and Legend

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23

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

2018 AUTOTURN LEGEND (AASHTO 2018)

AASHTO P Left Turn at 15 mph		Large Car
AASHTO P Right Turn at 9 mph		Large Car
AASHTO WB67 Left Turn at 15 mph		Semitrailer CB
AASHTO WB67 Right Turn at 9 mph		Semitrailer CB
AASHTO WB62 Left Turn at 15 mph		Semitrailer CB
AASHTO WB62 Right Turn at 9 mph		Semitrailer CB
AASHTO WB40 Left Turn at 15 mph		Semitrailer CBI
AASHTO WB40 Right Turn at 9 mph		Semitrailer CBI
AASHTO SBUS40 Left Turn at 15 mph		Standard Bus
AASHTO SBUS40 Right Turn at 9 mph		Standard Bus
AASHTO SU30 Left Turn at 15 mph		Medium Truck CB
AASHTO SU30 Right Turn at 9 mph		Medium Truck CB
AASHTO SU40 Left Turn at 15 mph		Heavy Truck CB
AASHTO SU40 Right Turn at 9 mph		Heavy Truck CB
AASHTO MHB Left Turn at 15 mph		Motor Home Boat
AASHTO MHB Right Turn at 9 mph		Motor Home Boat
AASHTO ABUS Left Turn at 15 mph		Articulated Bus
AASHTO ABUS Right Turn at 9 mph		Articulated Bus
AASHTO BUS40 Left Turn at 15 mph		Coach Bus
AASHTO BUS40 Right Turn at 9 mph		Coach Bus
AASHTO BUS45 Left Turn at 15 mph		Coach Bus
AASHTO BUS45 Right Turn at 9 mph		Coach Bus
AASHTO CITIBUS Left Turn at 15 mph		Standard Bus
AASHTO CITIBUS Right Turn at 9 mph		Standard Bus
AASHTO MH Left Turn at 15 mph		Motor Home
AASHTO MH Right Turn at 9 mph		Motor Home
AASHTO P8 Left Turn at 15 mph		Car Boat
AASHTO P8 Right Turn at 9 mph		Car Boat
AASHTO PT Left Turn at 15 mph		Car Camper
AASHTO PT Right Turn at 9 mph		Car Camper
AASHTO SBUS36 Left Turn at 15 mph		School Bus
AASHTO SBUS36 Right Turn at 9 mph		School Bus



AASHTO WB67D Left Turn at 15 mph		Double trailer CO
AASHTO WB67D Right Turn at 9 mph		Double trailer CO
AASHTO WB92D Left Turn at 15 mph		Double Trailer CB
AASHTO WB92D Right Turn at 9 mph		Double Trailer CB
AASHTO WB100T Left Turn at 15 mph		Triple Trailer CO
AASHTO WB100T Right Turn at 9 mph		Triple Trailer CO
AASHTO WB109D Left Turn at 15 mph		Double Trailer CO
AASHTO WB109D Right Turn at 9 mph		Double Trailer CO
NHRP Report 659 Aerial Fire Truck Left Turn at 15 mph		Aerial Fire Truck
NHRP Report 659 Aerial Fire Truck Right Turn at 15 mph		Aerial Fire Truck
Miscellaneous Truck Left Turn at 15 mph		Miscellaneous Design Vehicle
Miscellaneous Truck Right Turn at 15 mph		Miscellaneous Design Vehicle

AutoTURN Notes and Program Information

AutoTURN is not intended to be a source for design information. The software must be used in conjunction with the most currently available design guidelines for the local jurisdiction.

Interpretation of Program Results

AutoTURN is primarily a kinematic model, meaning that it does not account for the forces resulting from vehicle inertia or road surface conditions other than dry pavement. AutoTURN produces geometrically idealized results that may be difficult to replicate exactly under actual field driving and road conditions. A successfully run AutoTURN simulation does NOT suggest that all drivers can follow the defined path in real conditions, NOR does it imply that other driveable paths between the desired start and end positions are not possible. For the above reasons, AutoTURN results should be used conservatively, with ample allowances added for clearances between vehicle tire track. The track of a vehicle is defined as the distance between the outside edges of the outermost tires on the left and right sides, or swept path. The swept path of a vehicle is the envelope swept out by the sides of the vehicle body, or any other part of the structure of the vehicle. A swept path determines whether the vehicle will make contact with vertical obstructions. Create a swept path simulation by selecting the vehicle body envelope. In Simulation Properties, envelopes Envelopes refer to the lines traced out by the selected vehicle elements, the vehicle load, or clearances from these elements. See Swept Path and Tire Tracks, and road edges or obstructions.

Surface Conditions

All movements have been simulated using dry roadway surfaces. AutoTURN may produce inaccurate results if other conditions are simulated.

Tight Maneuvers with Standard Vehicles

The standard design vehicles provided with AutoTURN have turn limitations derived from the turning templates contained in the Design Manuals published by the corresponding jurisdictions. The primary purpose of these design manuals is to provide guidance for typical road design conditions.

Acceleration

AutoTURN does not consider vehicle acceleration or deceleration. When simulations are generated from a stopped position, or to a stopped position, the vehicle is assumed to reach its final speed, or come to a stop, in a short enough distance that it can be ignored when determining the turn radius.

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 23
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

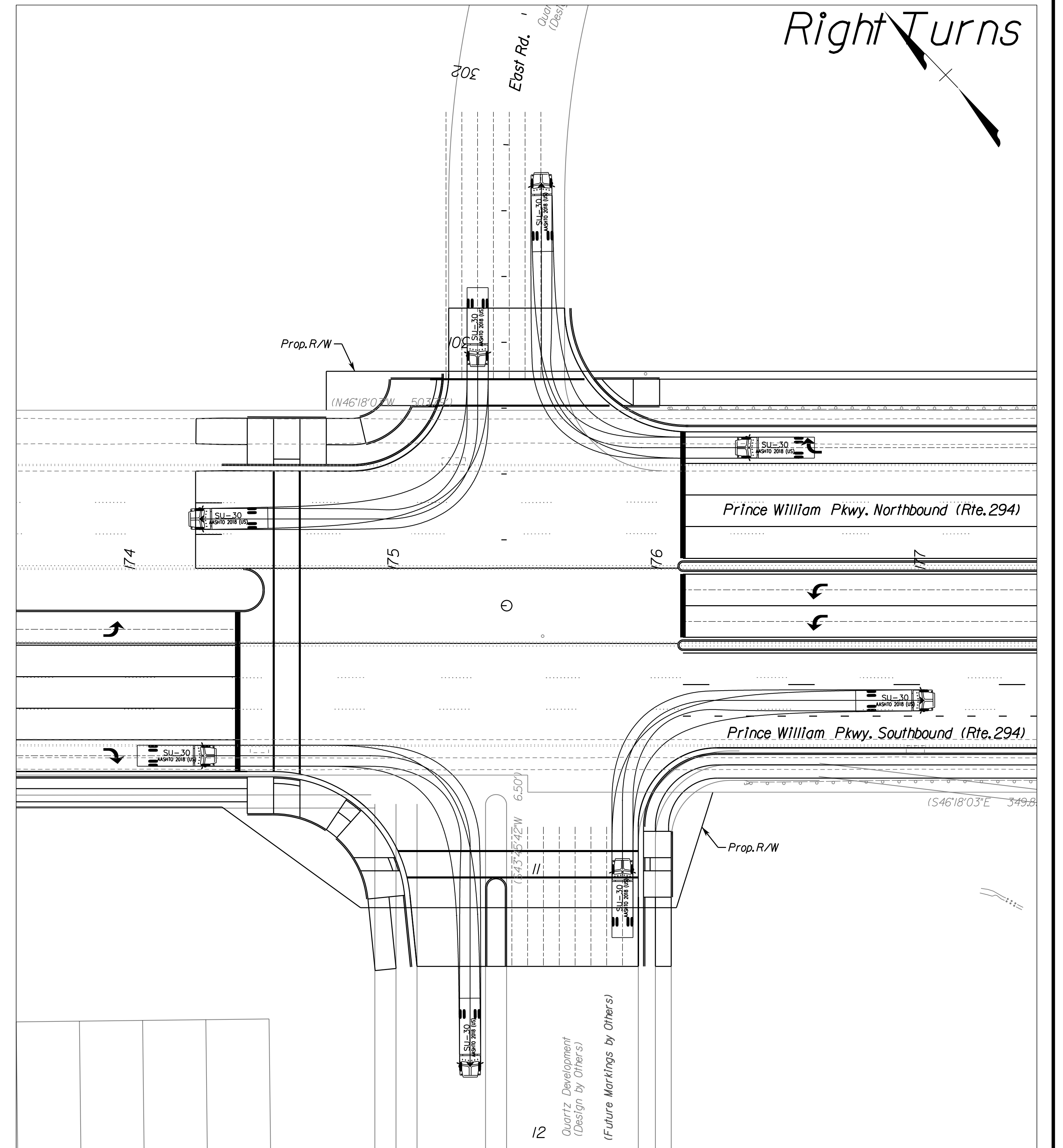
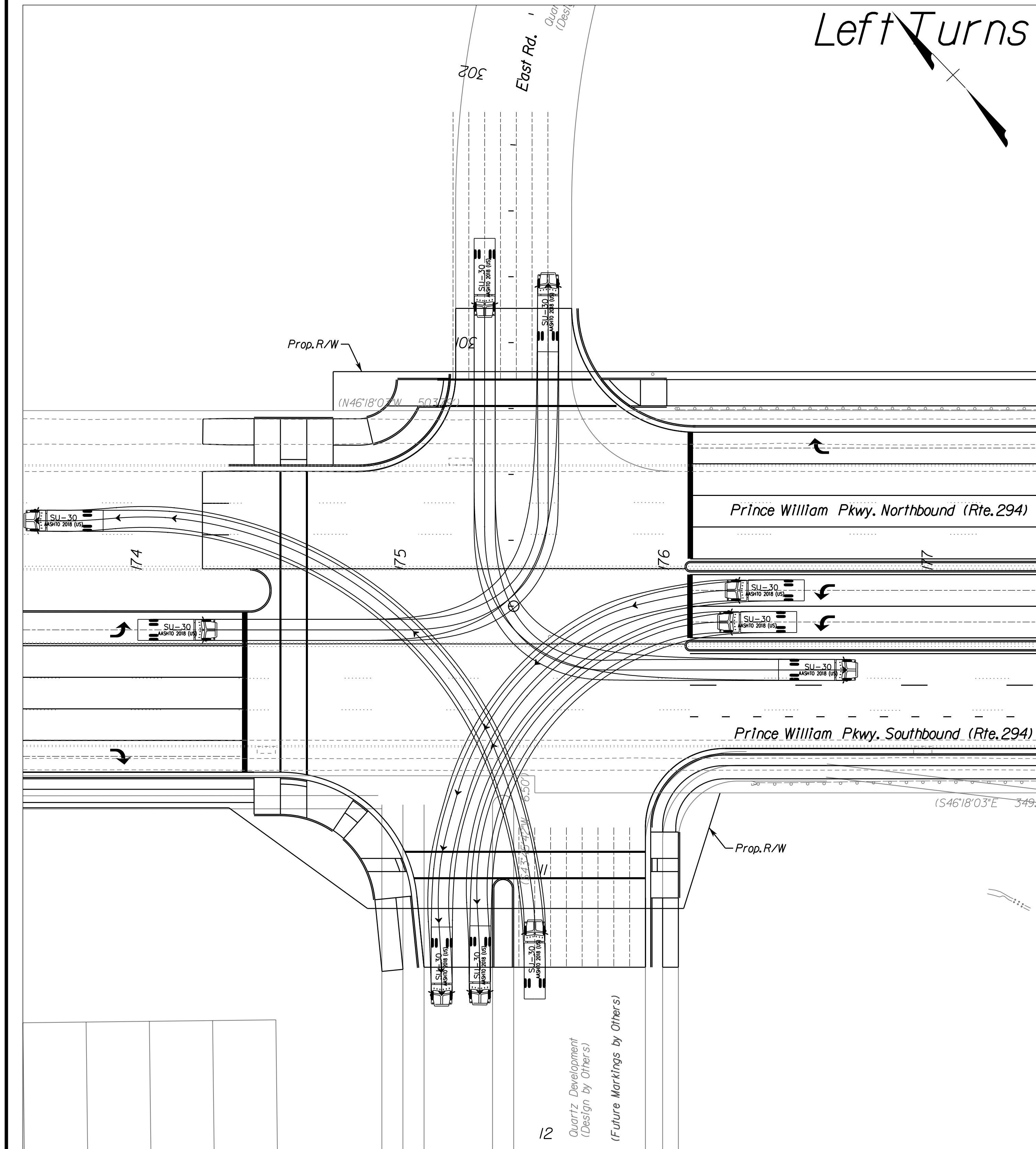
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blocker Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blocker Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at PW Pkwy./East Rd.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23B

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



4/11/2023

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 23B
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PH PLANS

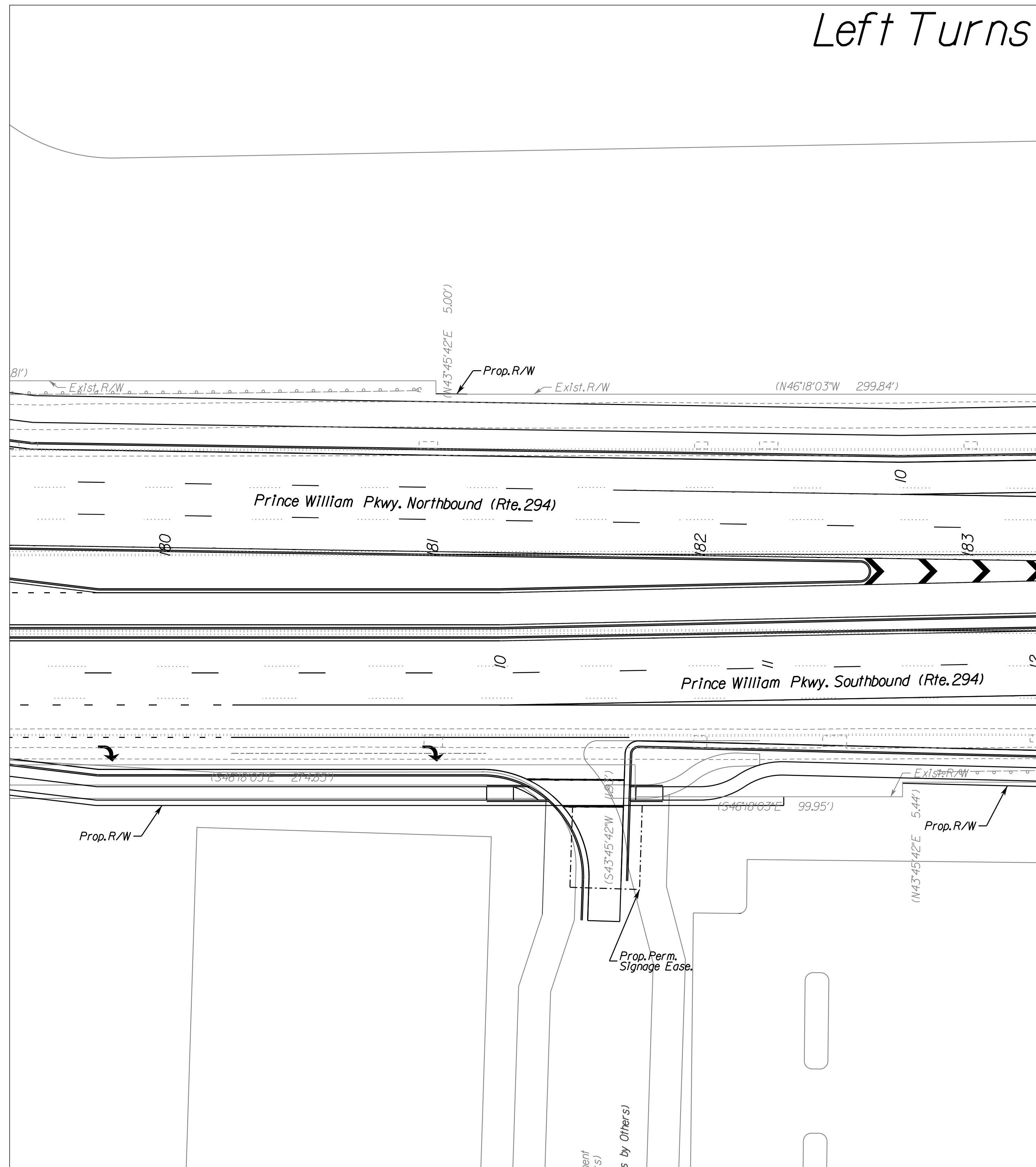
PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at PW Pkwy./Entr. 181+67 Rt.

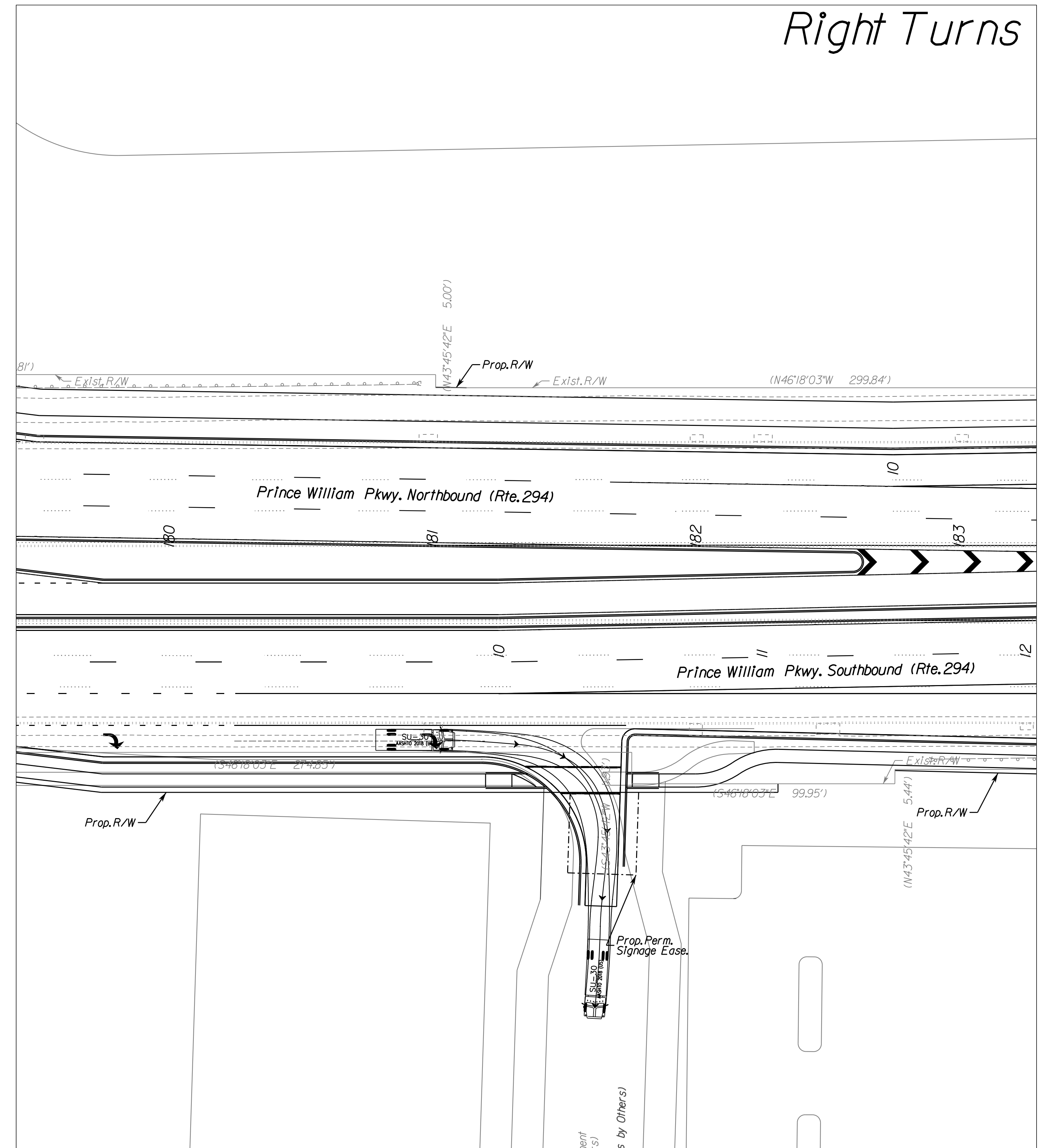
REVISED	STATE		VDOT PROJECT NO.	SHEET NO.
	STATE	ROUTE		
	VA.	294	0294-076-xxx C501 RW201	23C

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

Left Turns



Right Turns



4/11/2023

No Scale

VDOT PROJECT NO.
0294-076-xxx

SHEET NO.
23C

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

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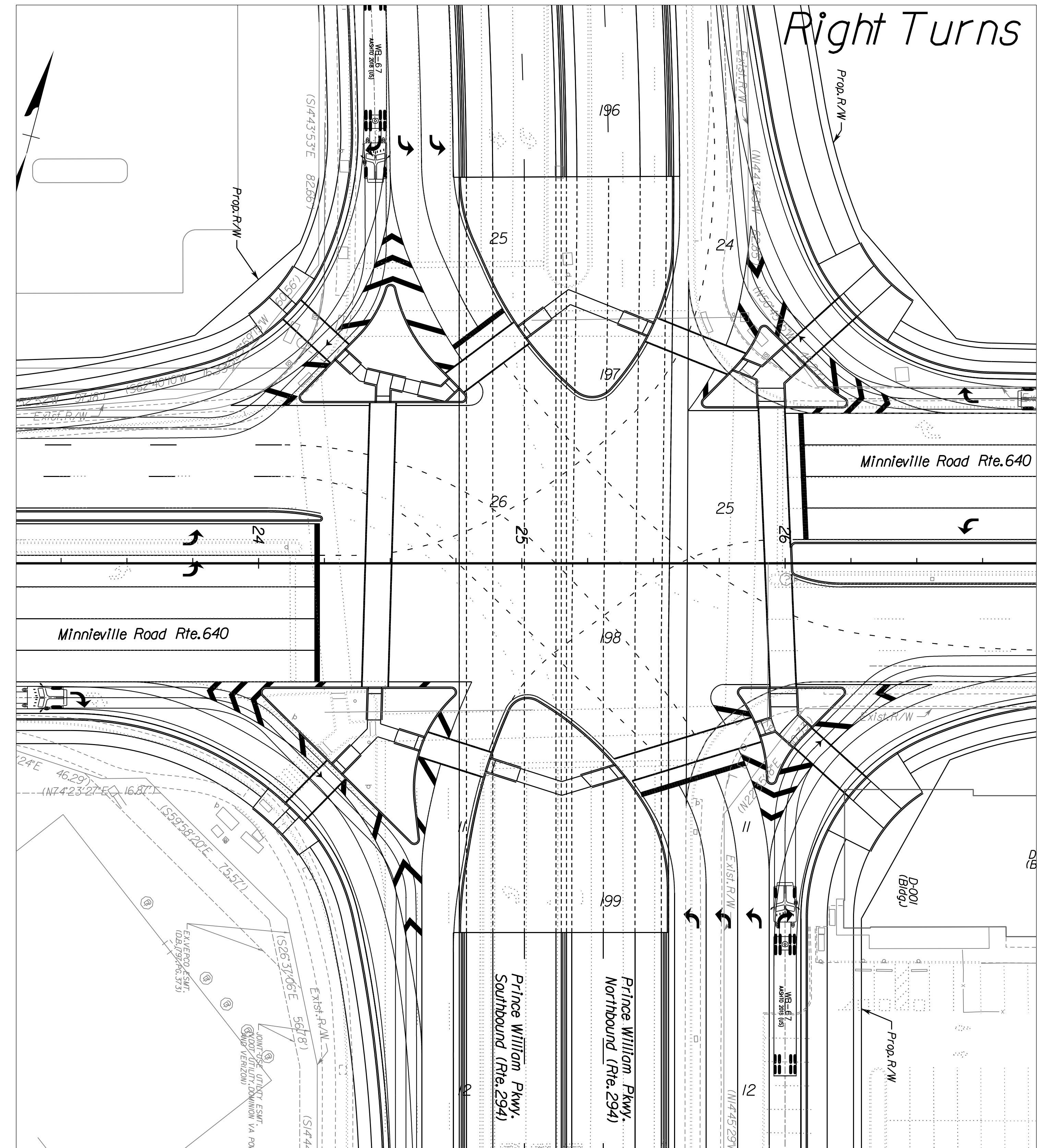
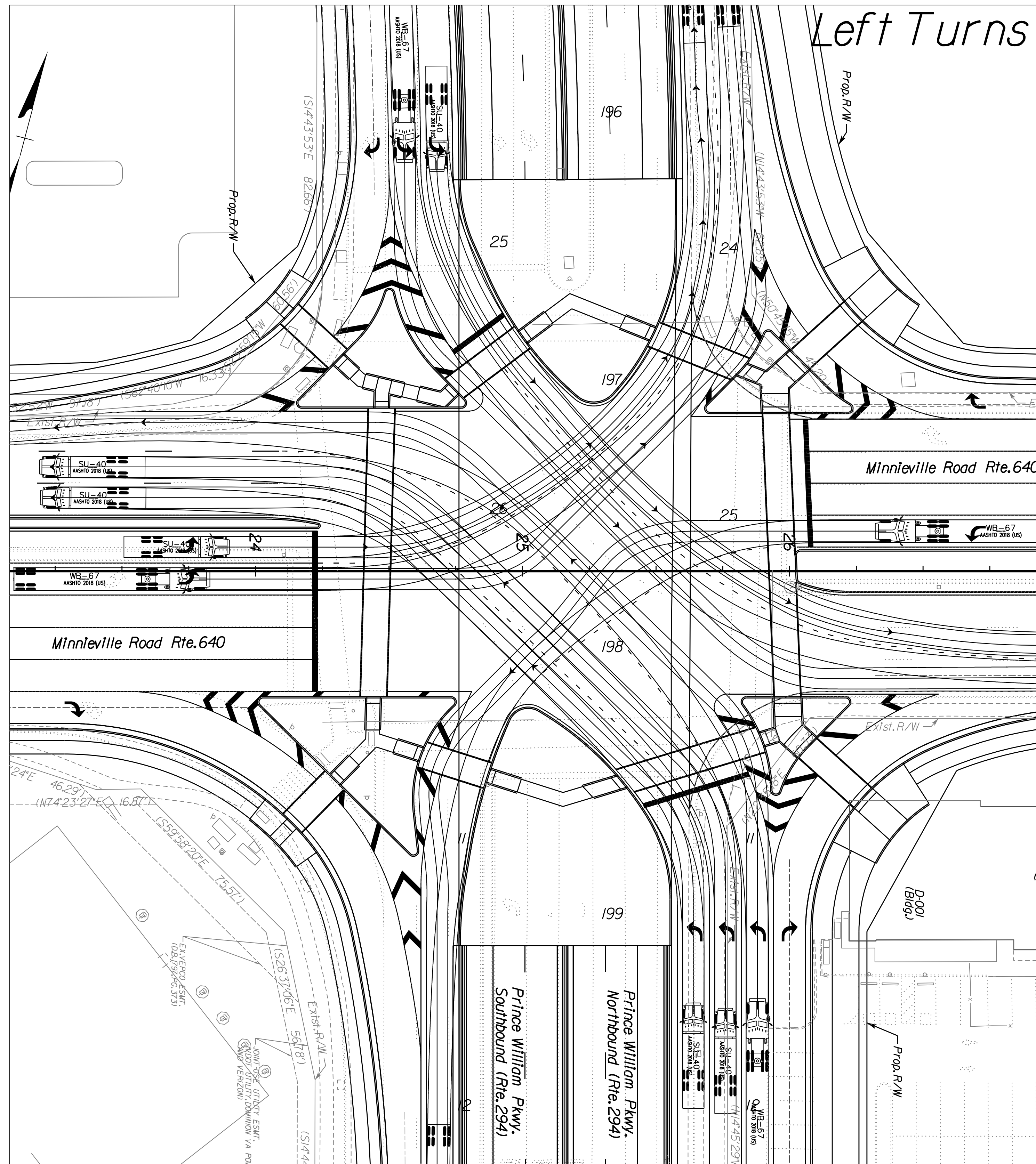
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at PW Pkwy./Minnieville Rd.

REVISED	STATE		STATE	SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	23E

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



No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 23E
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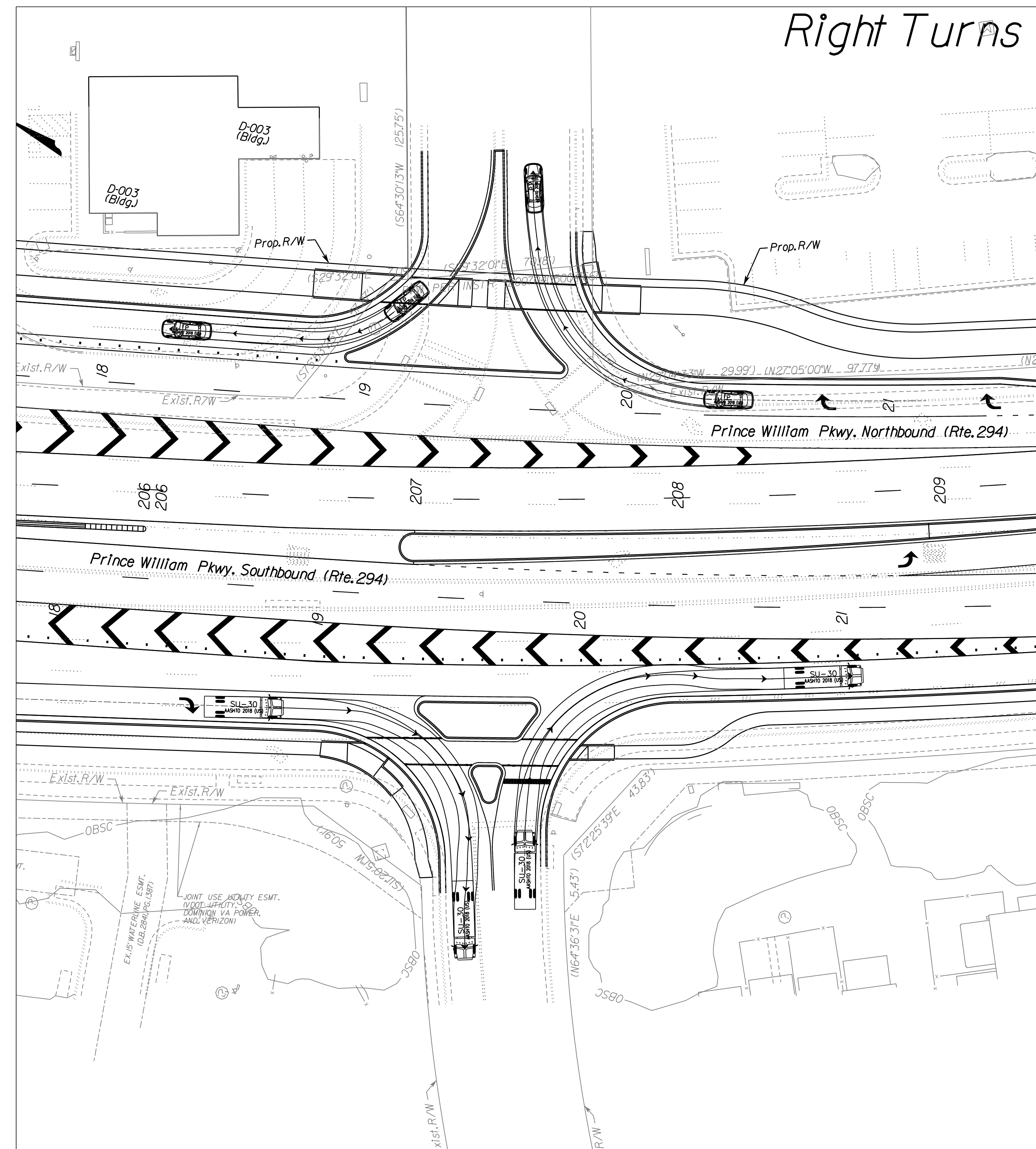
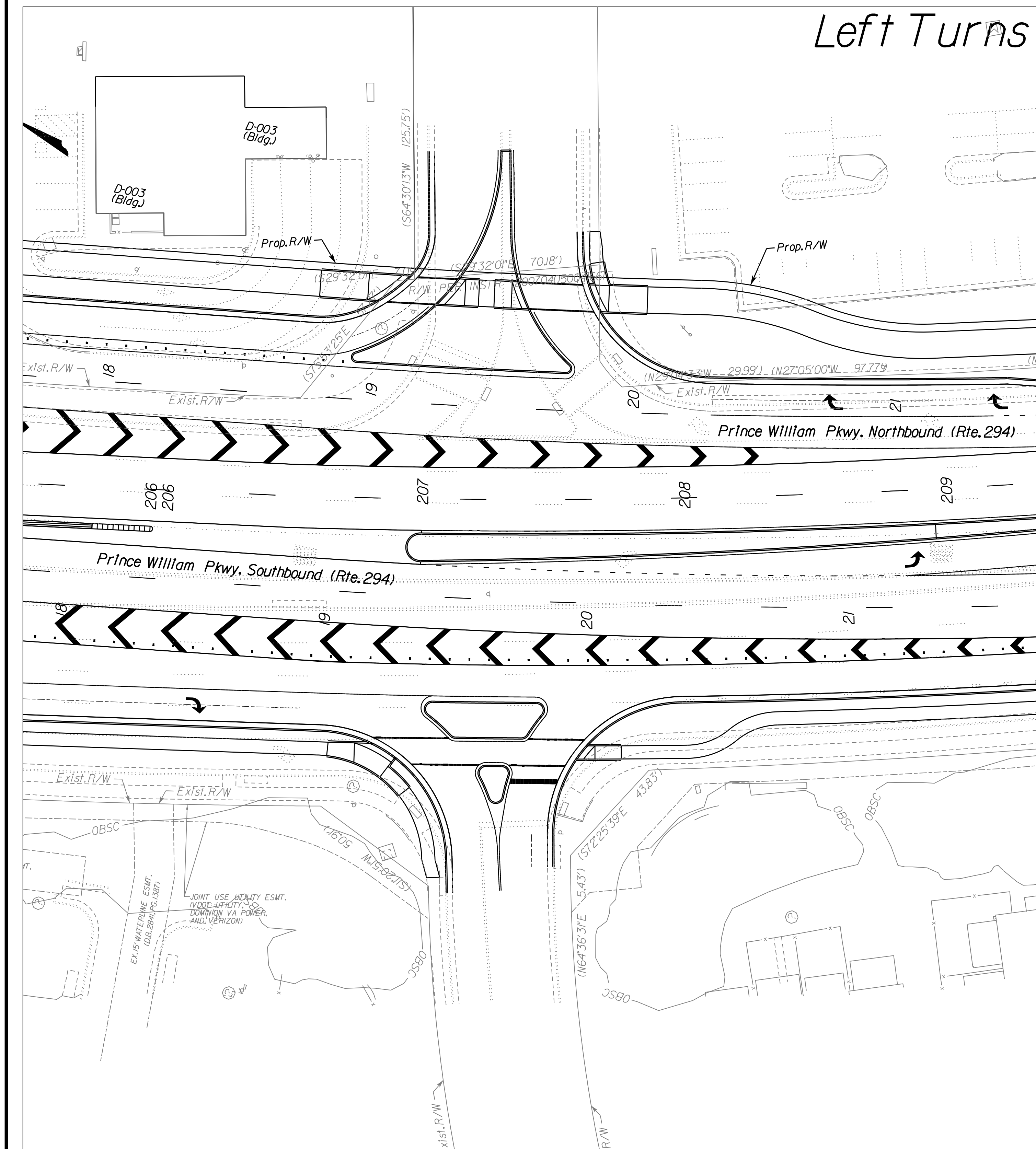
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at PW Pkwy./Noblewood Plz.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23F

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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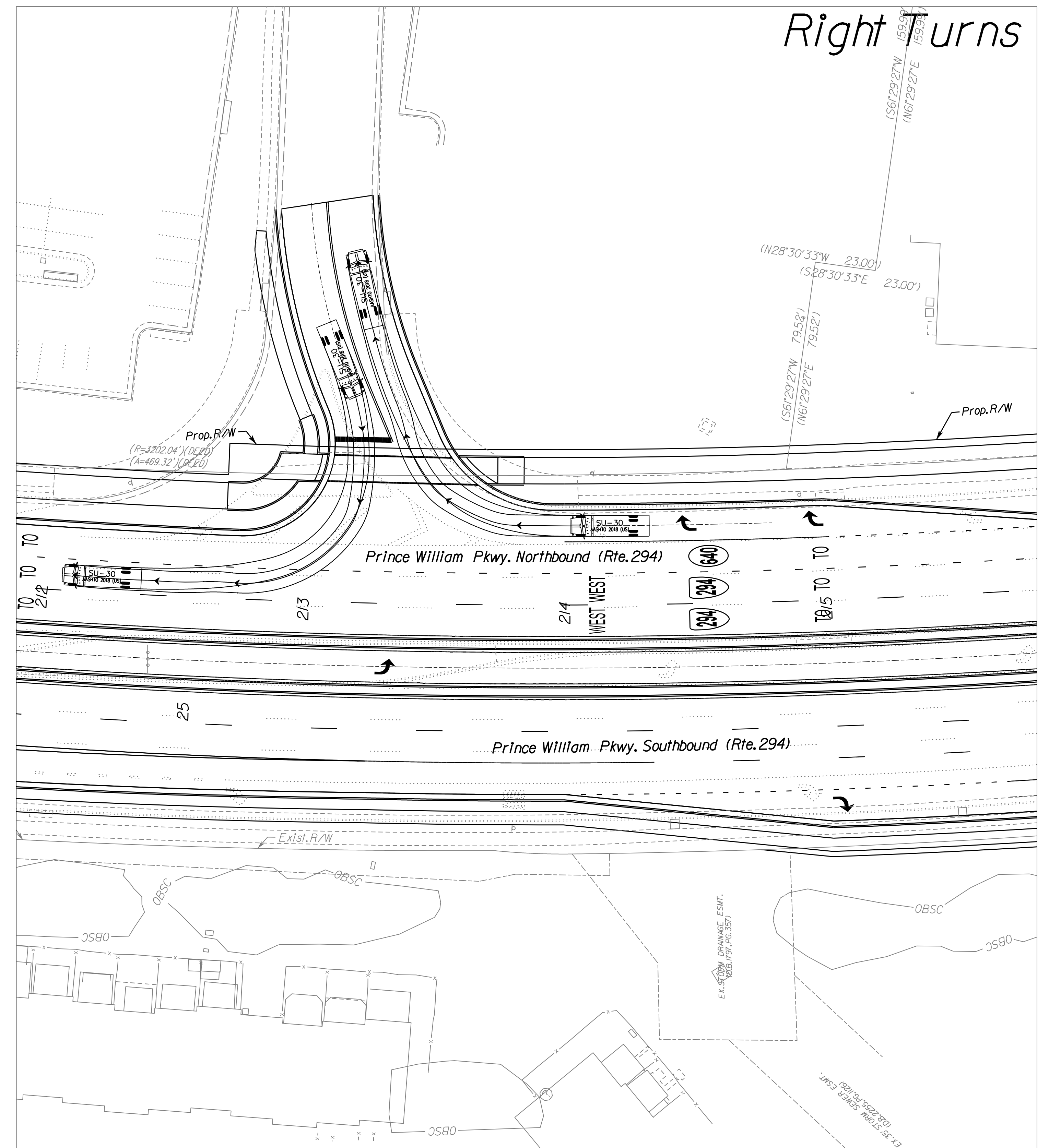
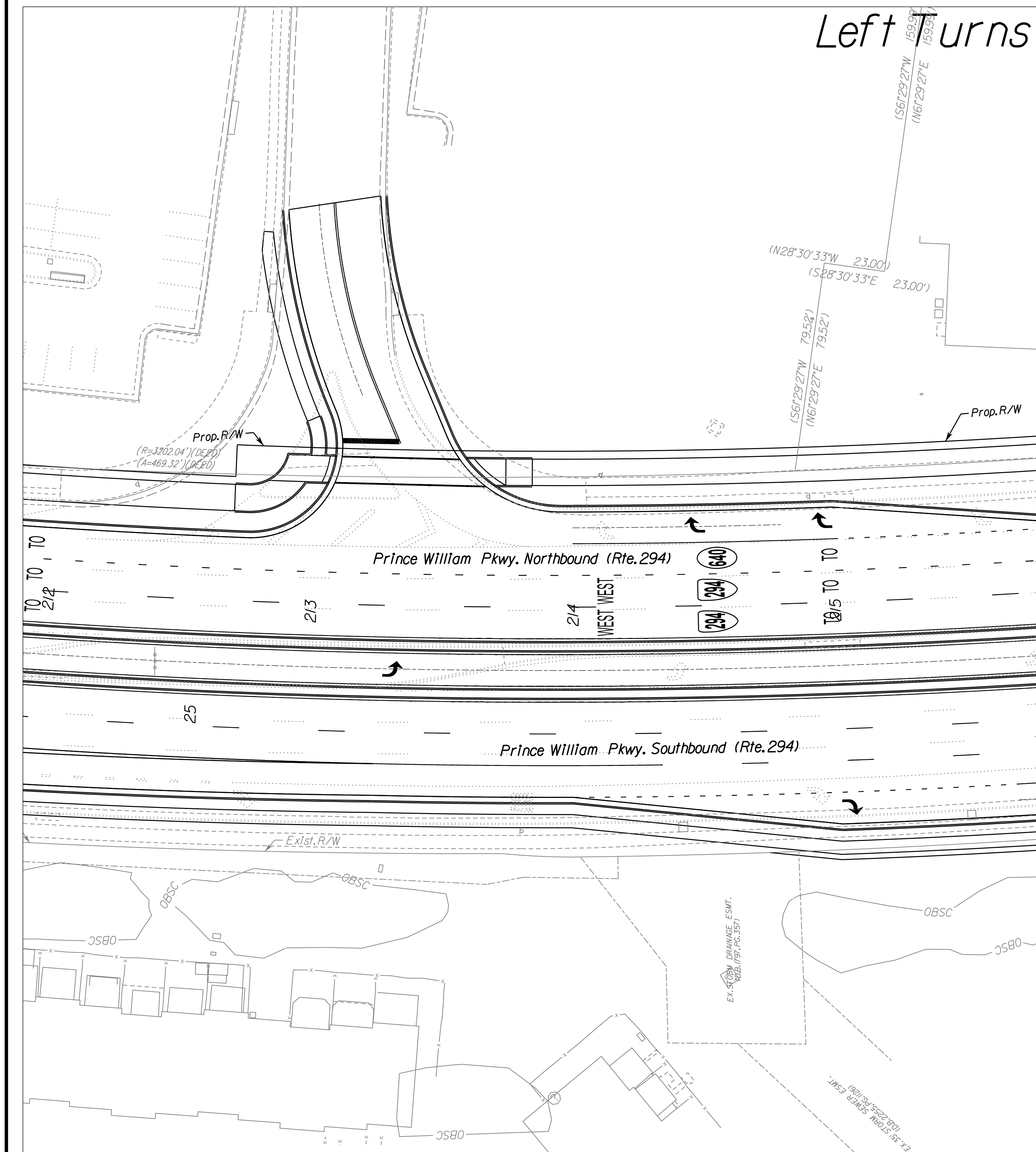
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at PW Pkwy./Entr. 213+75 Lt.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	236

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



4/11/2023

No Scale

VDOT PROJECT NO.
0294-076-xxx

SHEET NO.
236

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

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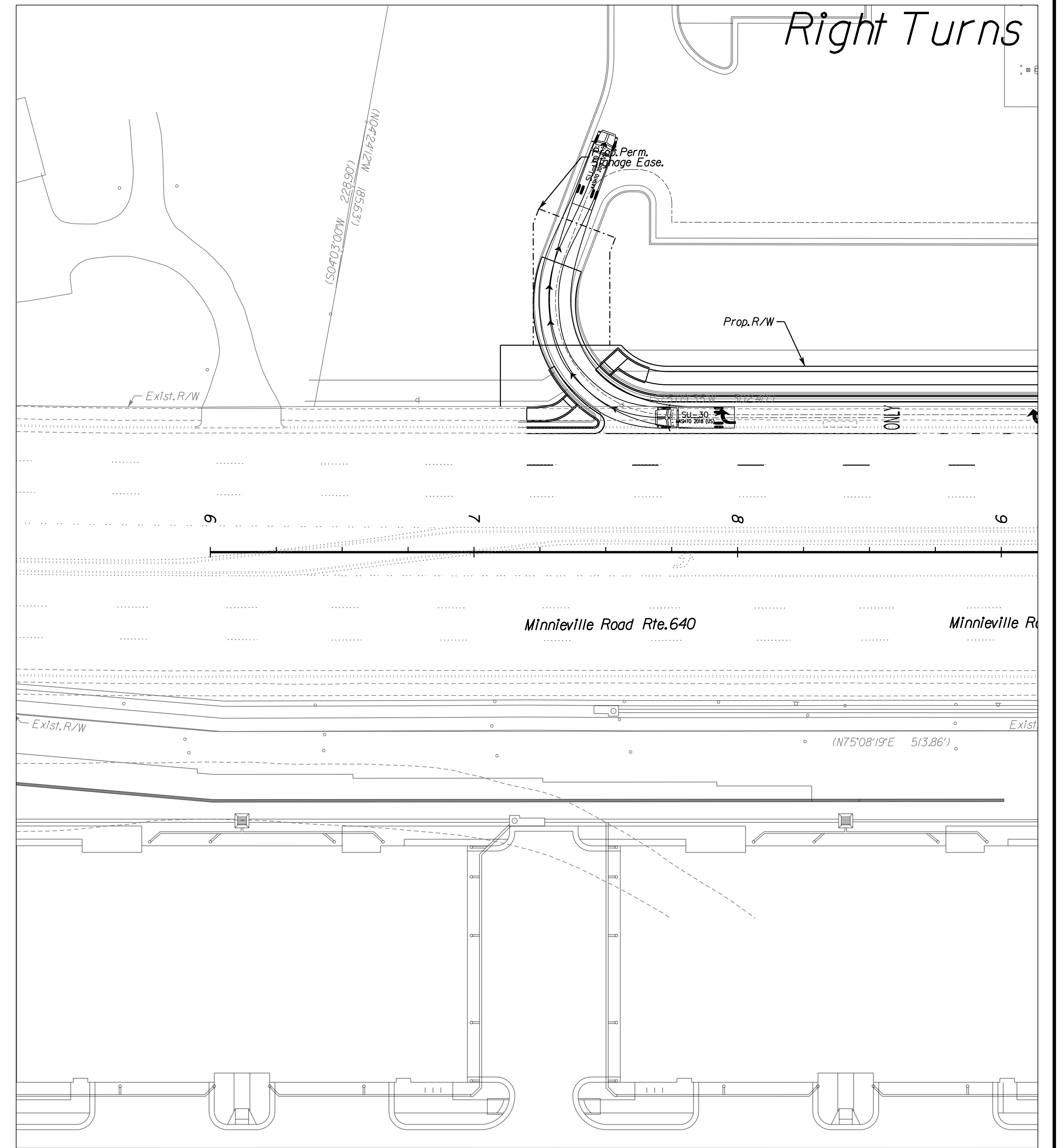
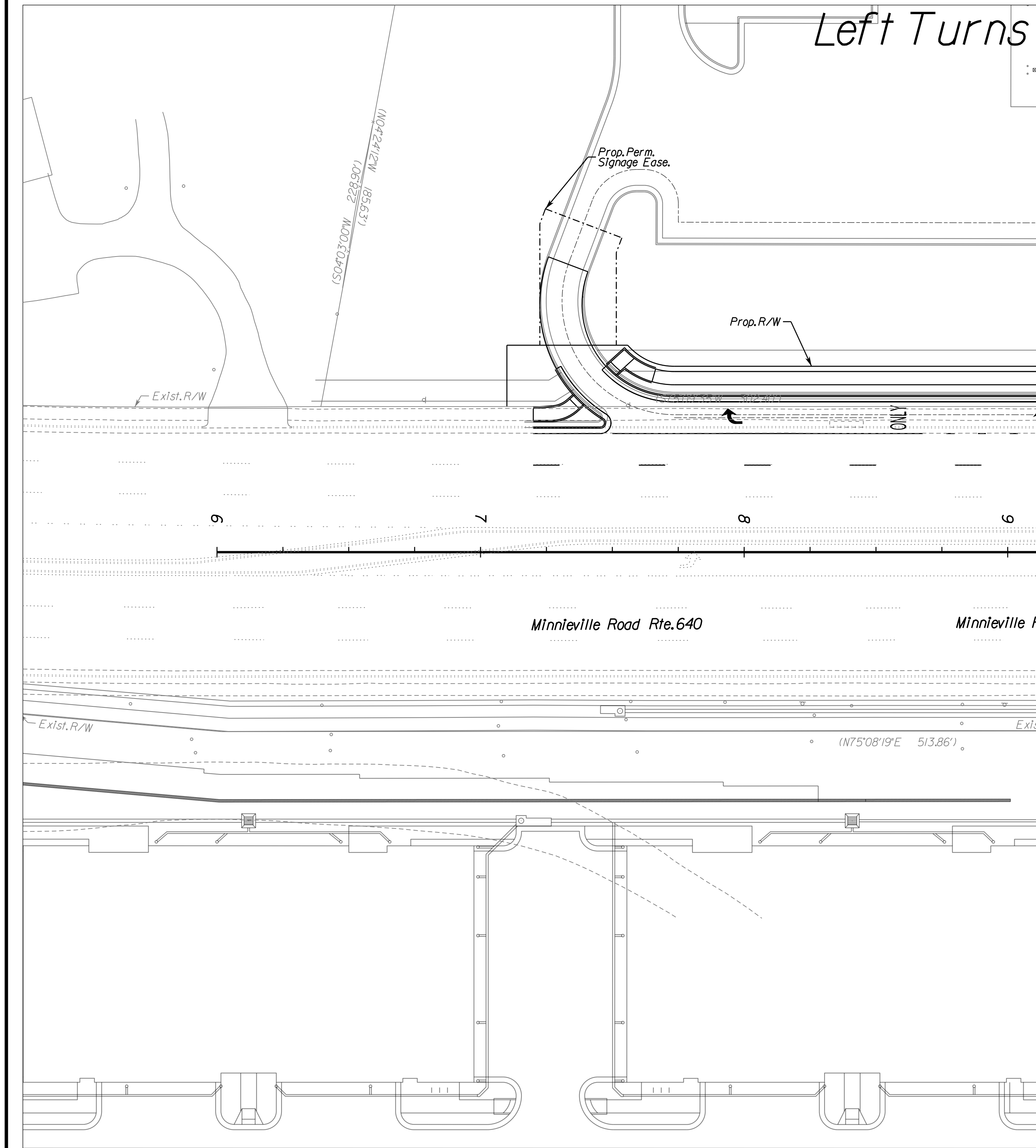
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotek Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotek Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at Minnieville Rd./Entr. 7+50 Lt.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	231

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



4/11/2023

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 231
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ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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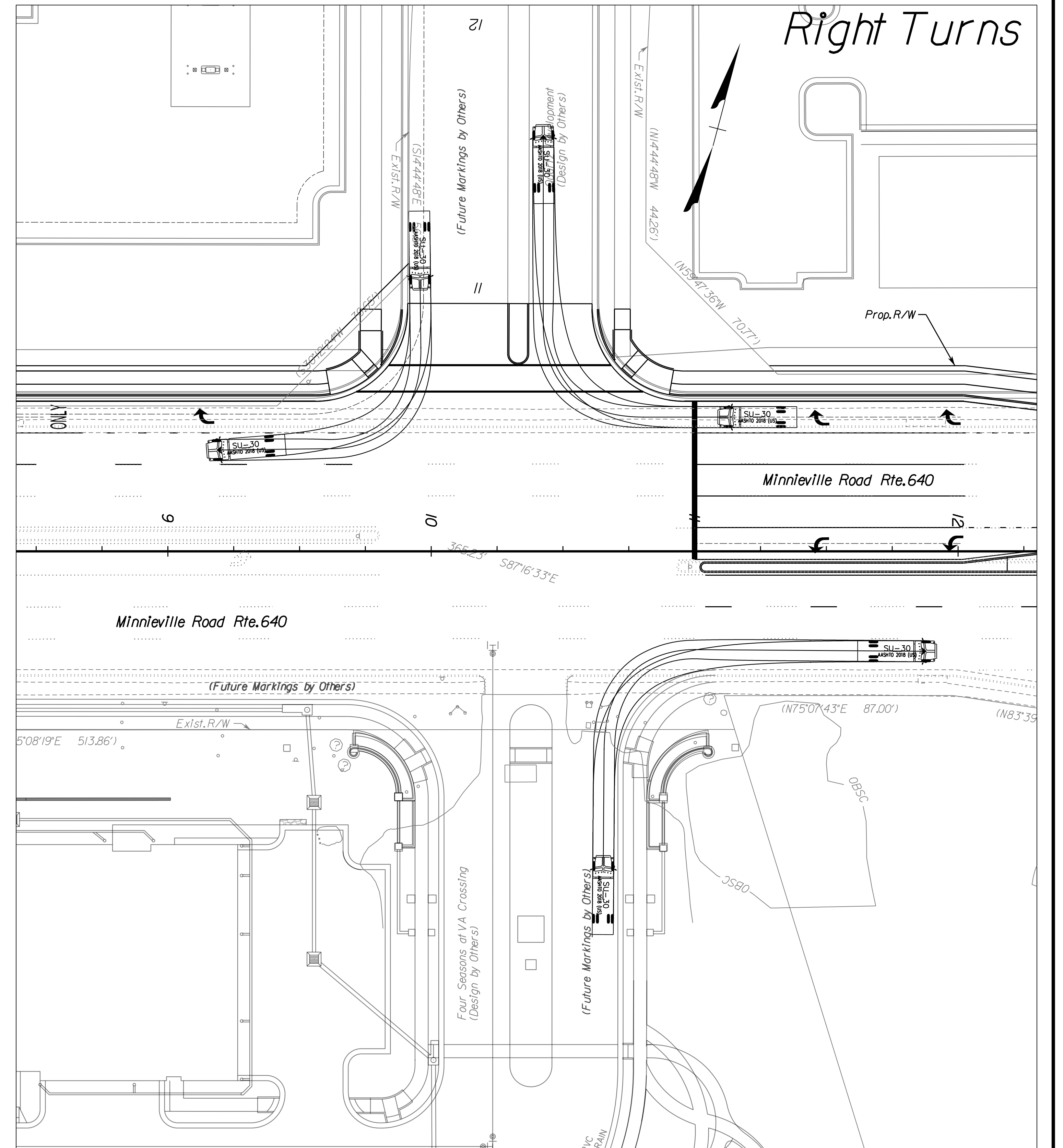
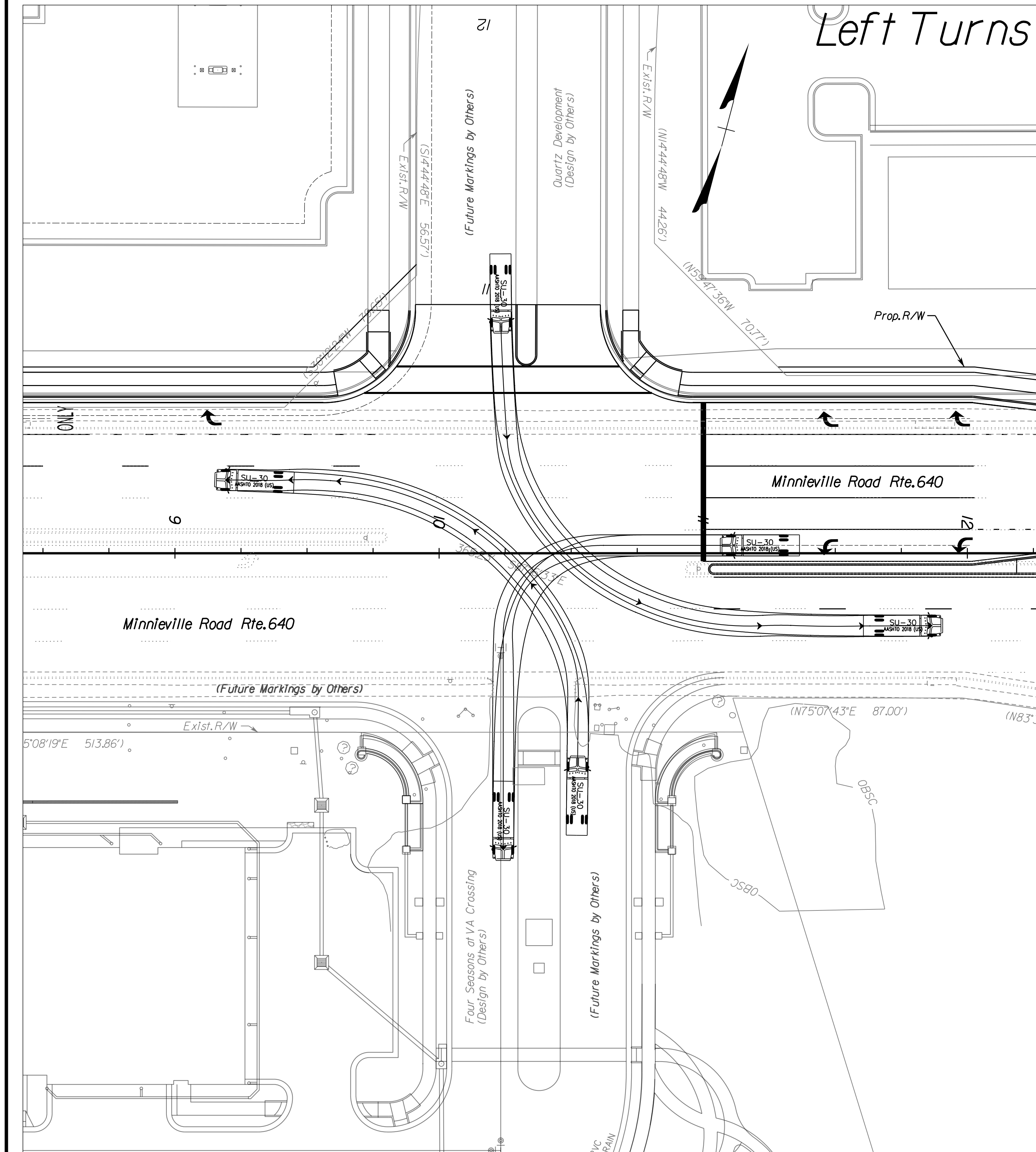
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at Minnieville Rd./Entr. 10+32 Lt.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23J

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



4/11/2023

No Scale

VDOT PROJECT NO.
0294-076-xxx

SHEET NO.
23J

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

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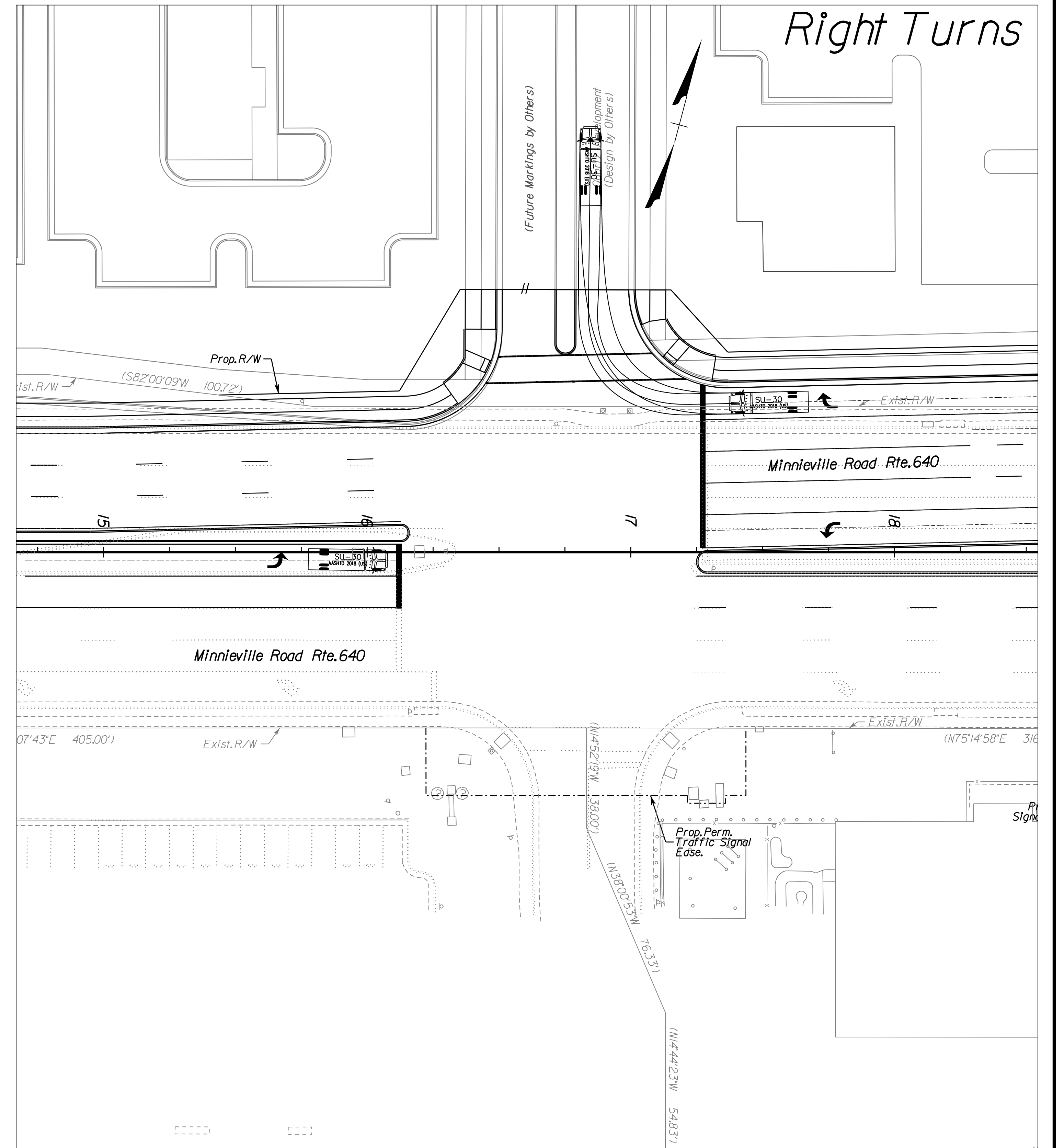
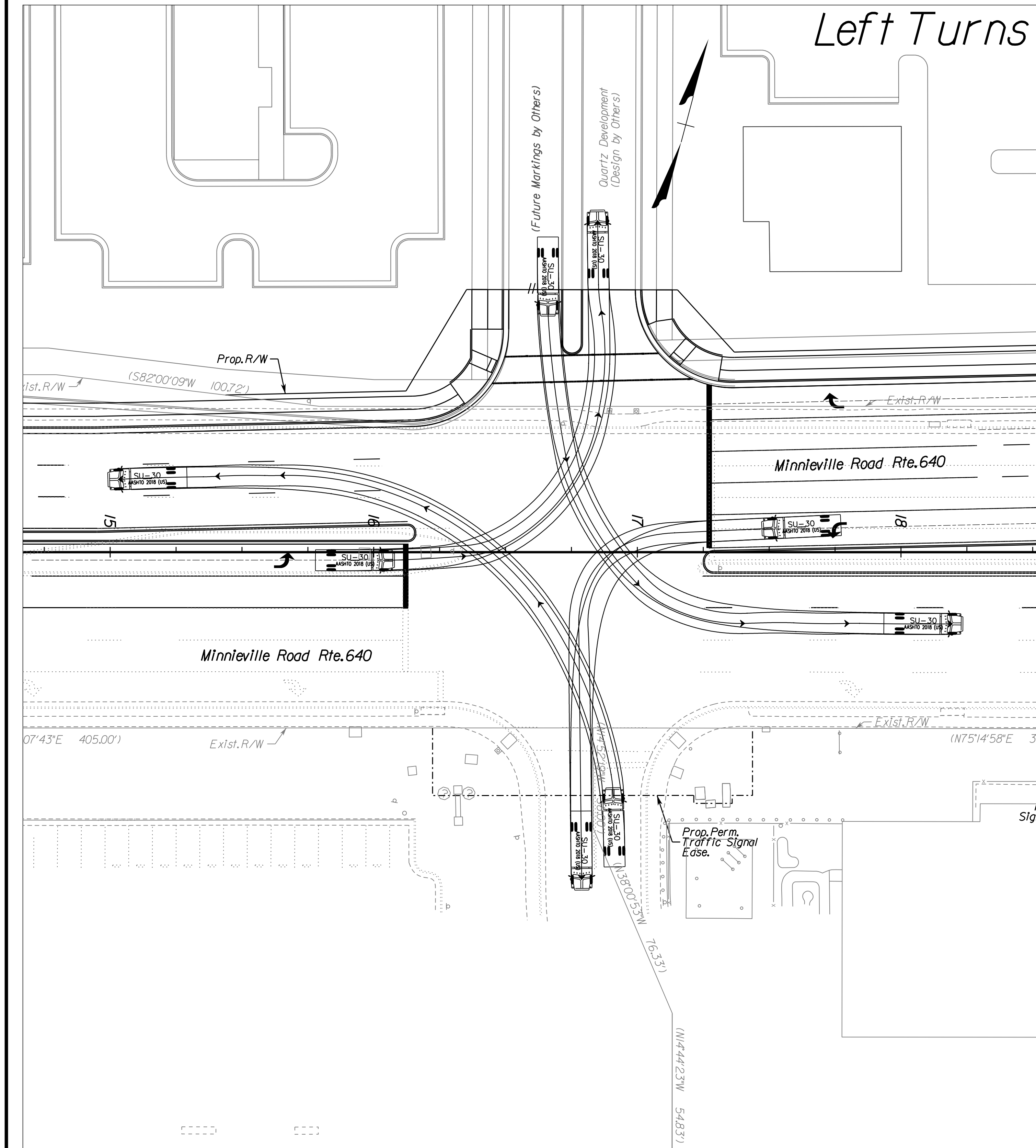
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373, March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at Minnieville Rd./Entr. 16+75 Lt.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23K

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



4/11/2023

No Scale

VDOT PROJECT NO.
0294-076-xxx

SHEET NO.
23K

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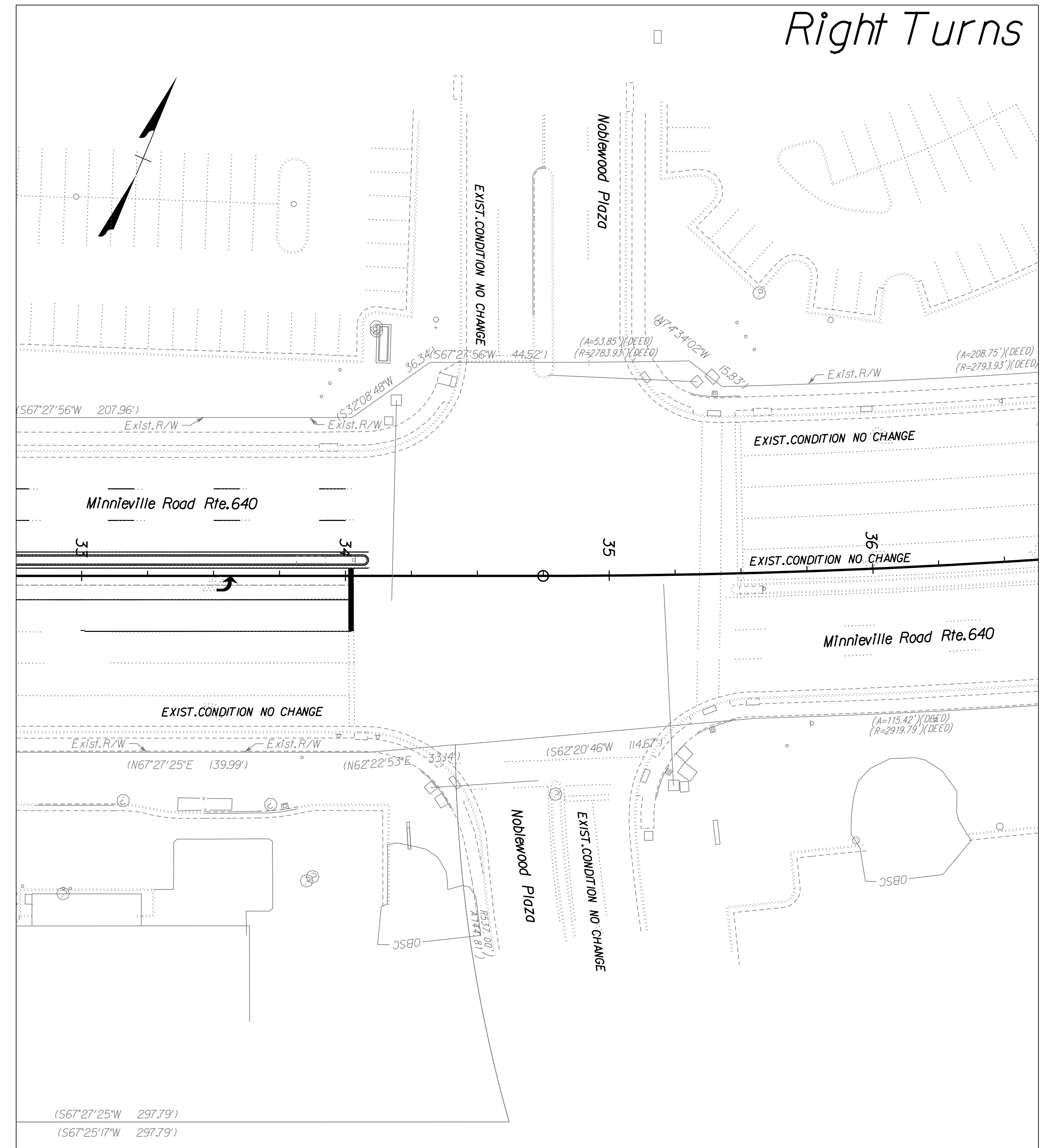
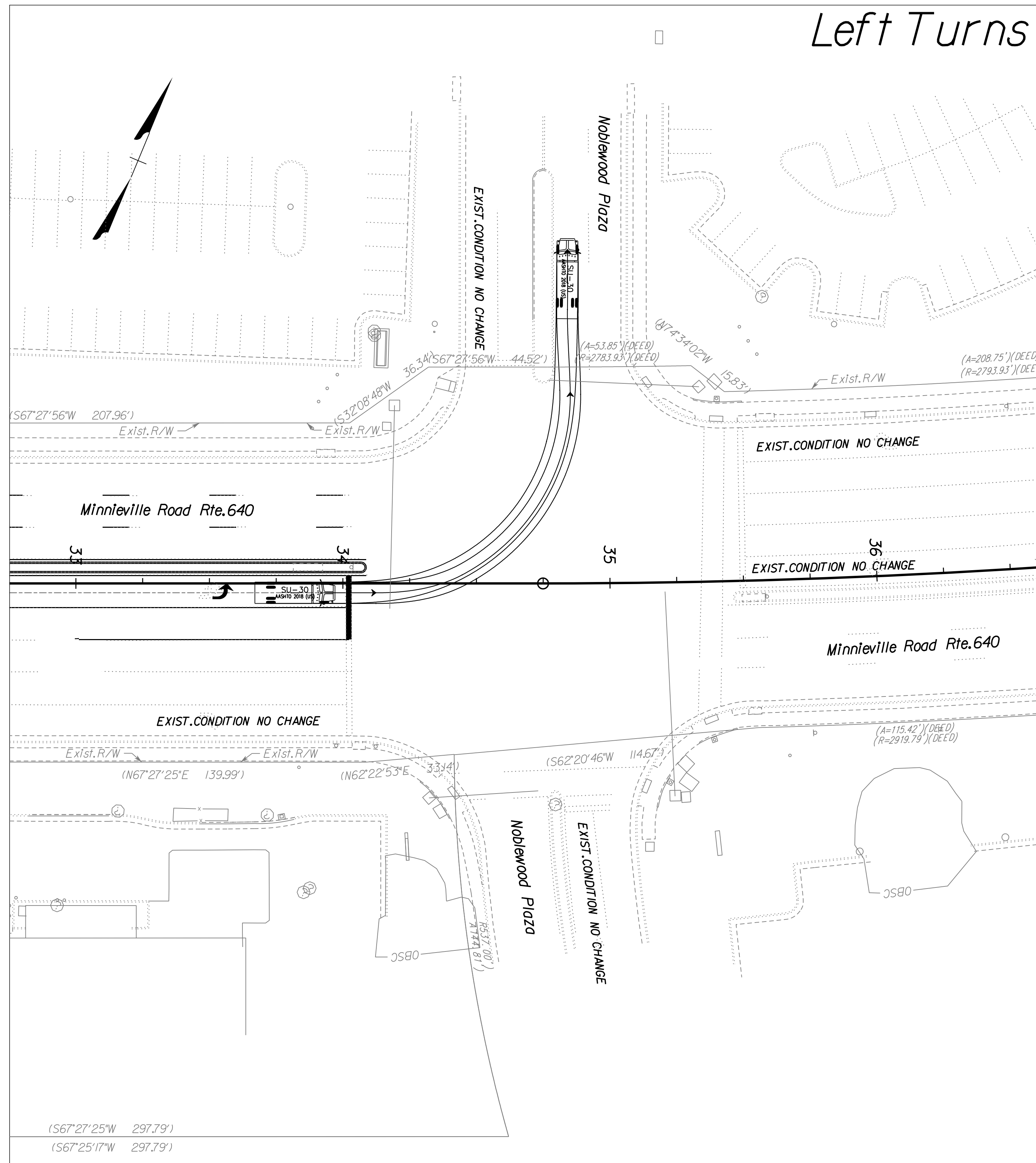
PH PLANS

PROJECT MANAGER: BD
SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
SUBSURFACE UTILITY BY, DATE: Brad Mackadach, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at Minnieville Rd./Noblewood Plz.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23L

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



4/11/2023

No Scale	VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 23L
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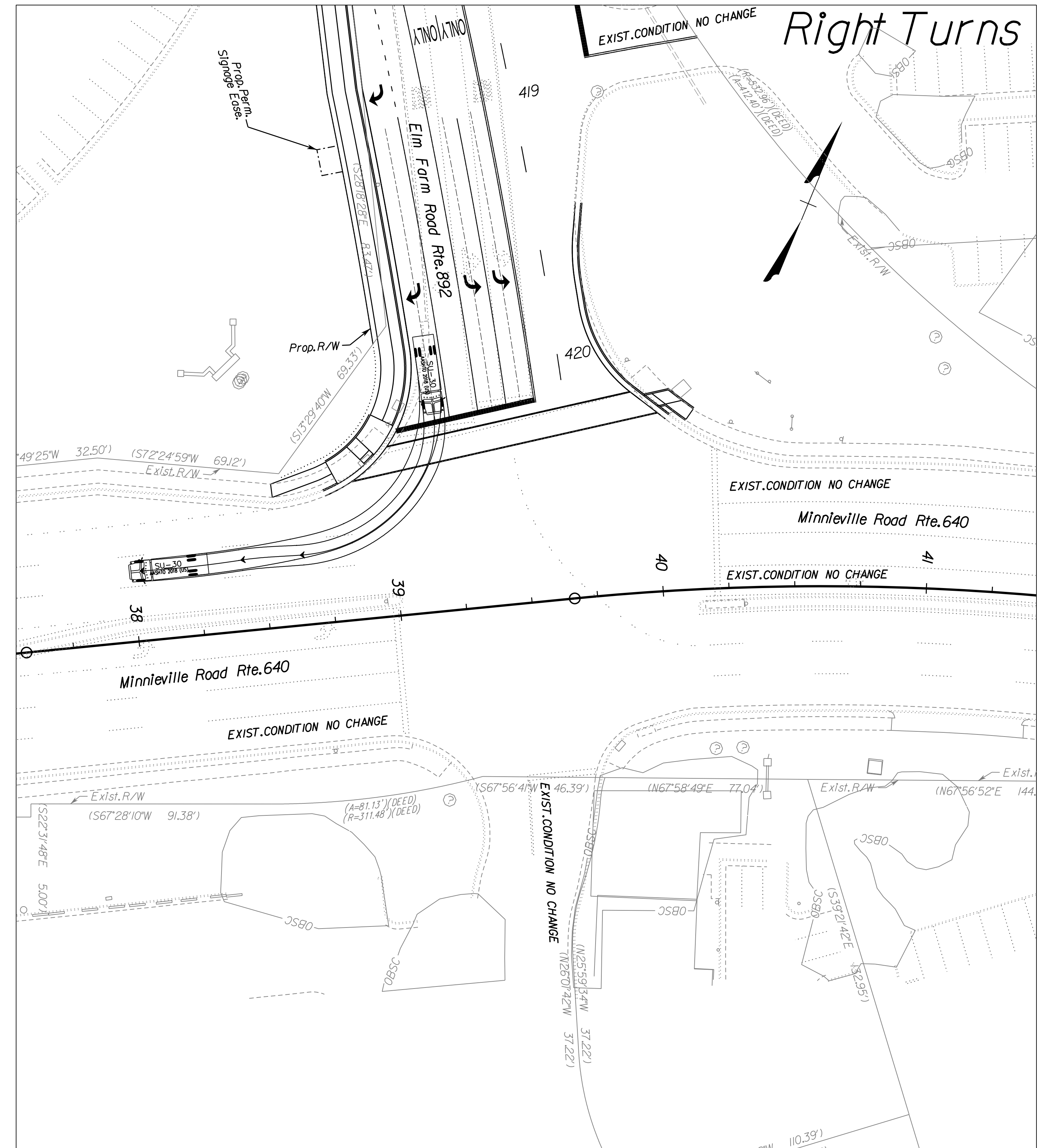
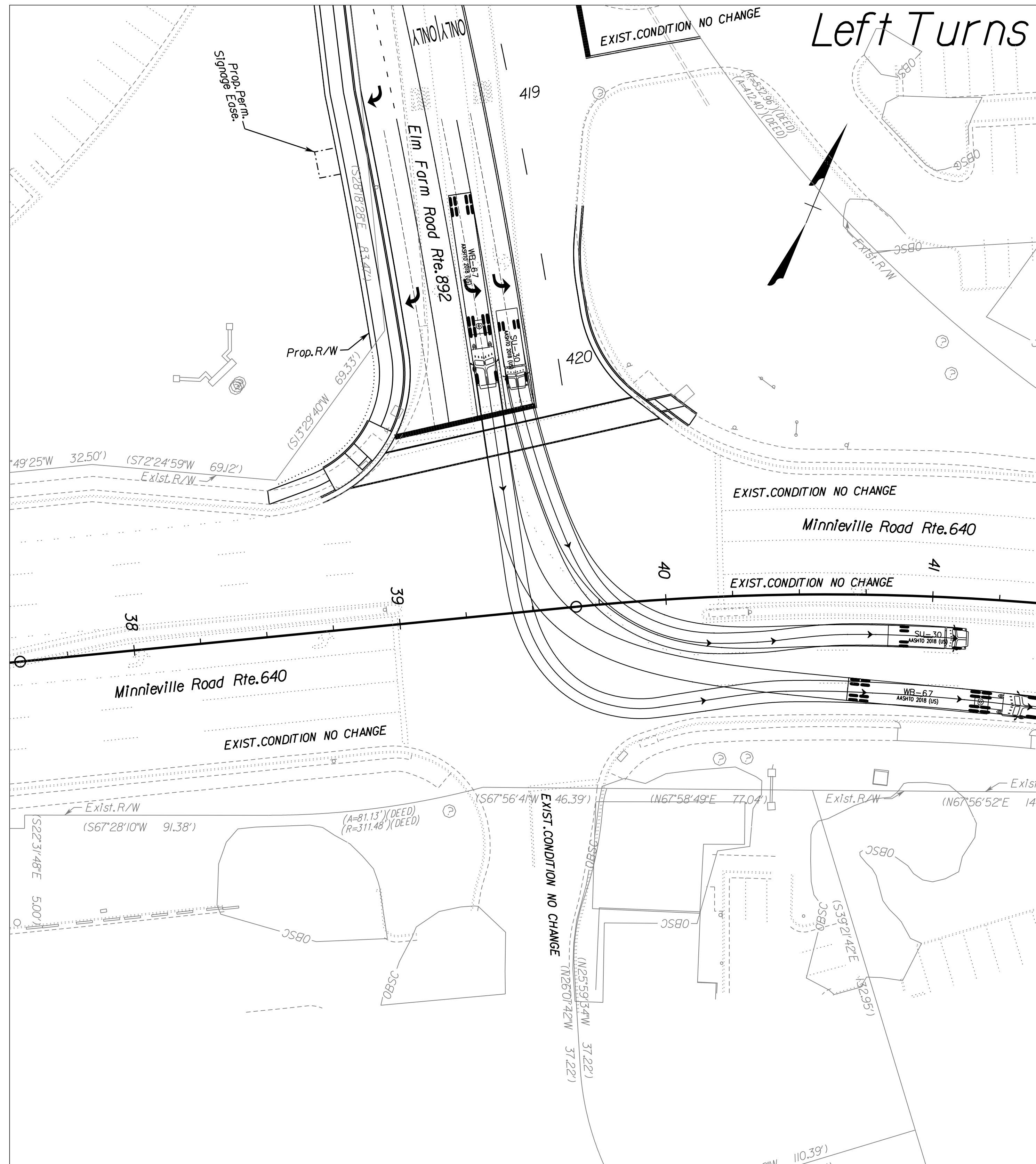
PH PLANS

PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, Blotter Design Assoc., P.C. (703) 368-7373
 SUBSURFACE UTILITY BY, DATE: Brad Mackintosh, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

AT at Minnieville Rd./Elm Farm Rd.

REVISED	STATE	ROUTE	STATE	VDOT PROJECT NO.	SHEET NO.
	VA.	294		0294-076-xxx C501 RW201	23M

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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PH PLANS

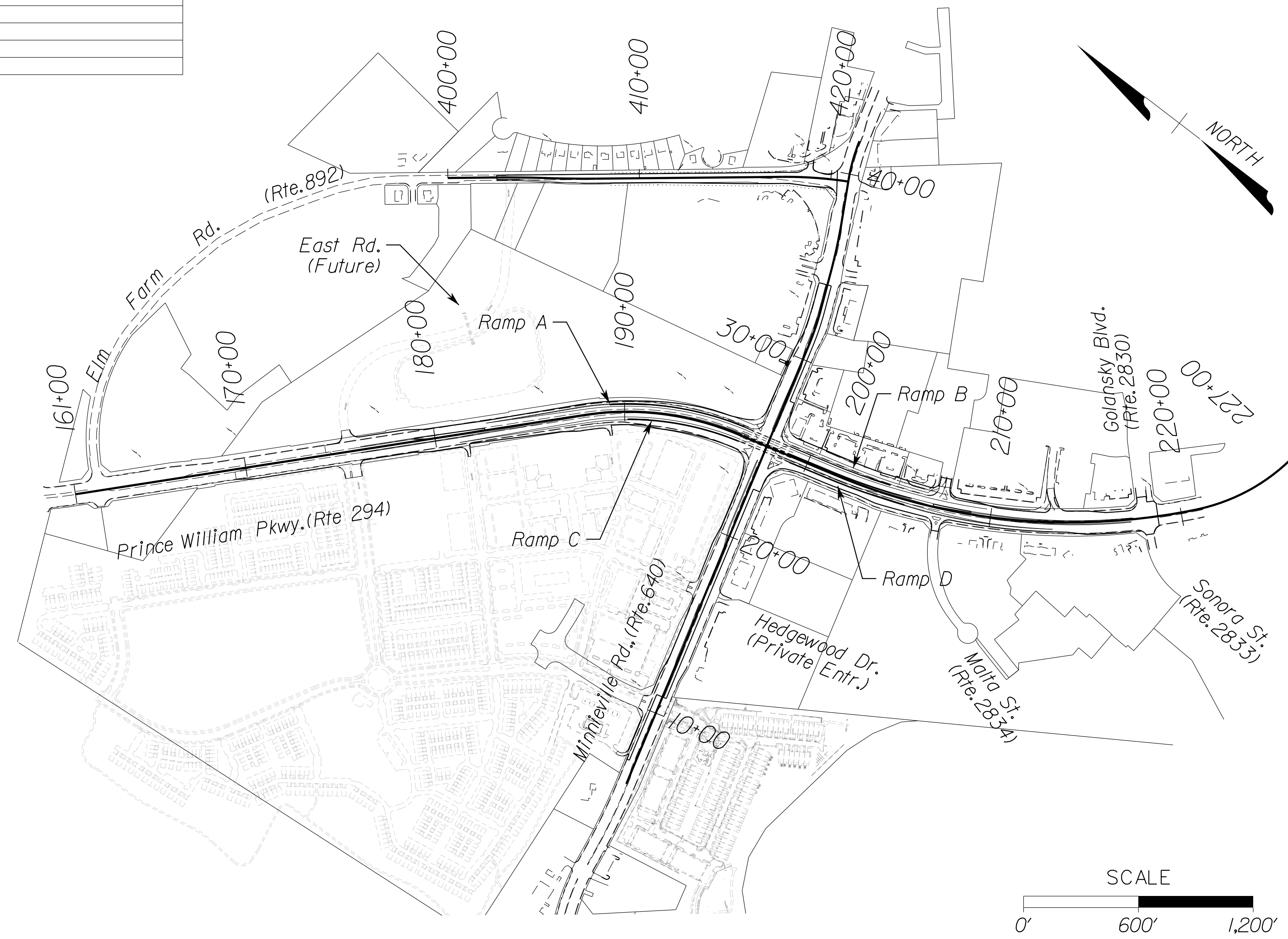
PROJECT MANAGER: BD
 SURVEYED BY, DATE: Nicholas Kougoullis, Blotter Design Associates, P.C. (703) 368-7373; March 2021
 DESIGN BY: Mark Guon, (Rinker Design Assoc., P.C.)
 SUBSURFACE UTILITY BY, DATE: Brad Mackadich, Mid-Atlantic Utility Locating, LLC. (703) 378-0100, August 2021

Cross Section Index of Sheets

REVISED	STATE	STATE		SHEET NO.
	ROUTE	VDOT PROJECT NO.		
	VA.	294	0294-076-xxx C501 RW201	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 INDEX OF SHEETS		
VDOT Project XXXXXX		
Sheet No.	1	Cross Section Project Index of Sheets
Sheet No.	X2 thru X64	Prince William Parkway, Rte 294
Sheet No.	X100 thru X136	Minnleville Road, Rte 640
Sheet No.	X150 thru X170	Ramp A
Sheet No.	X200 thru X216	Ramp B
Sheet No.	X250 thru X271	Ramp C
Sheet No.	X300 thru X320	Ramp D
Sheet No.	X350 thru X374	Elm Farm Road, Rte 892



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

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

PH PLANS

VDOT PROJECT NO. 0294-076-xxx	SHEET NO. 1
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PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YY
SUBSURFACE UTILITY BY, DATE ZZZ

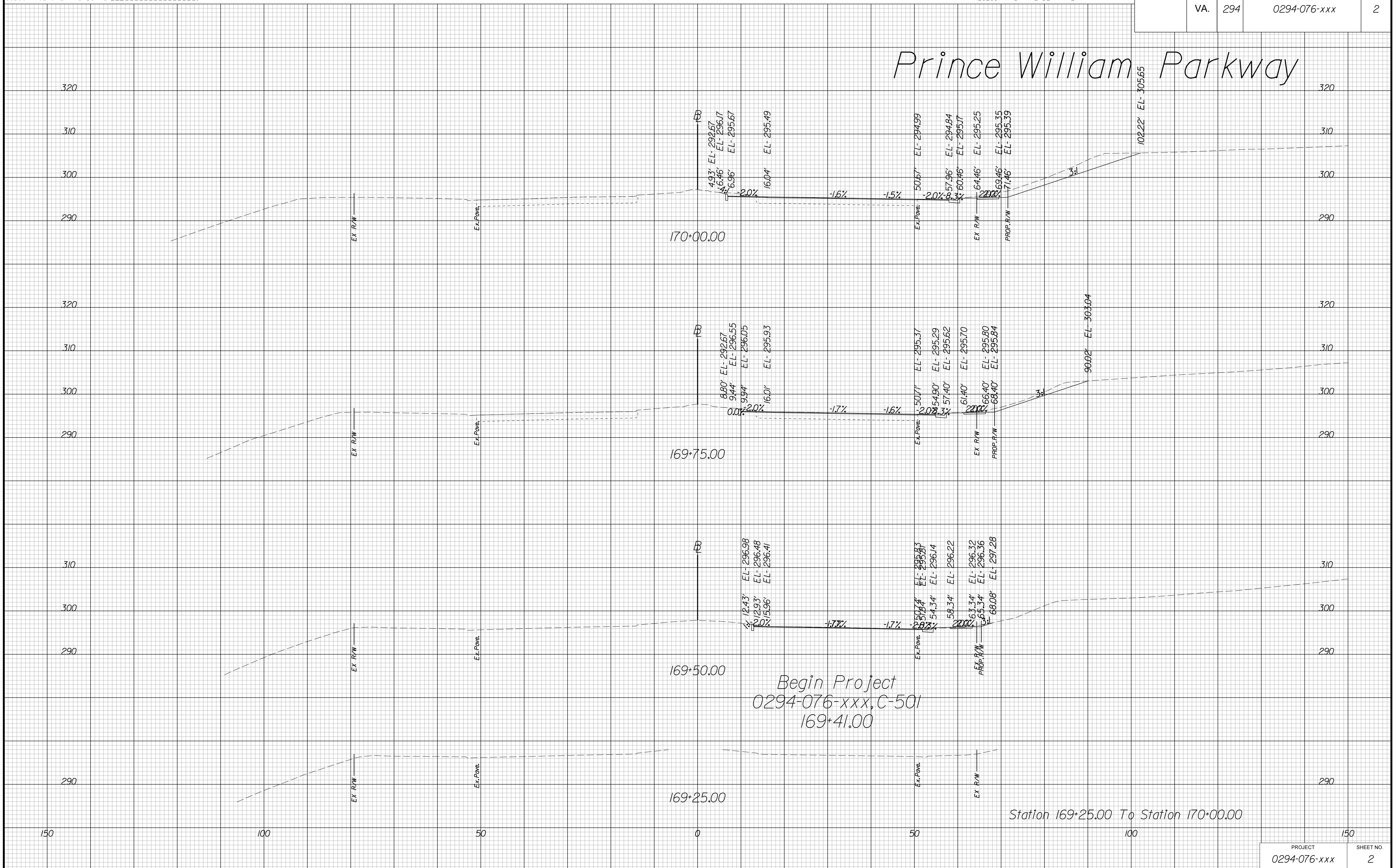
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	2

Prince William Parkway



Begin Project
0294-076-xxx, C-501
169+41.00

Station 169+25.00 To Station 170+00.00

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

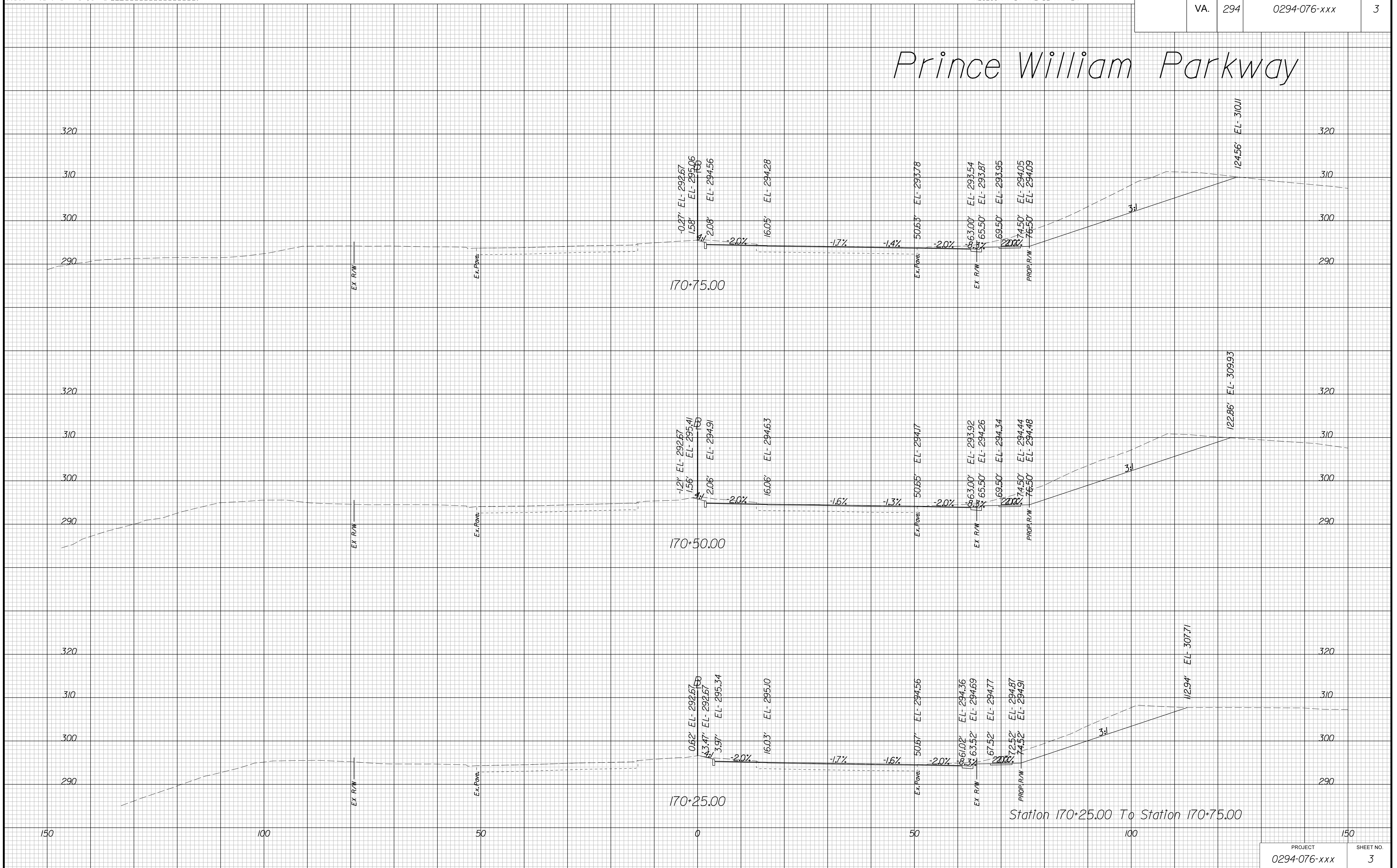
CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx	3

Prince William Parkway



Station 170+25.00 To Station 170+75.00

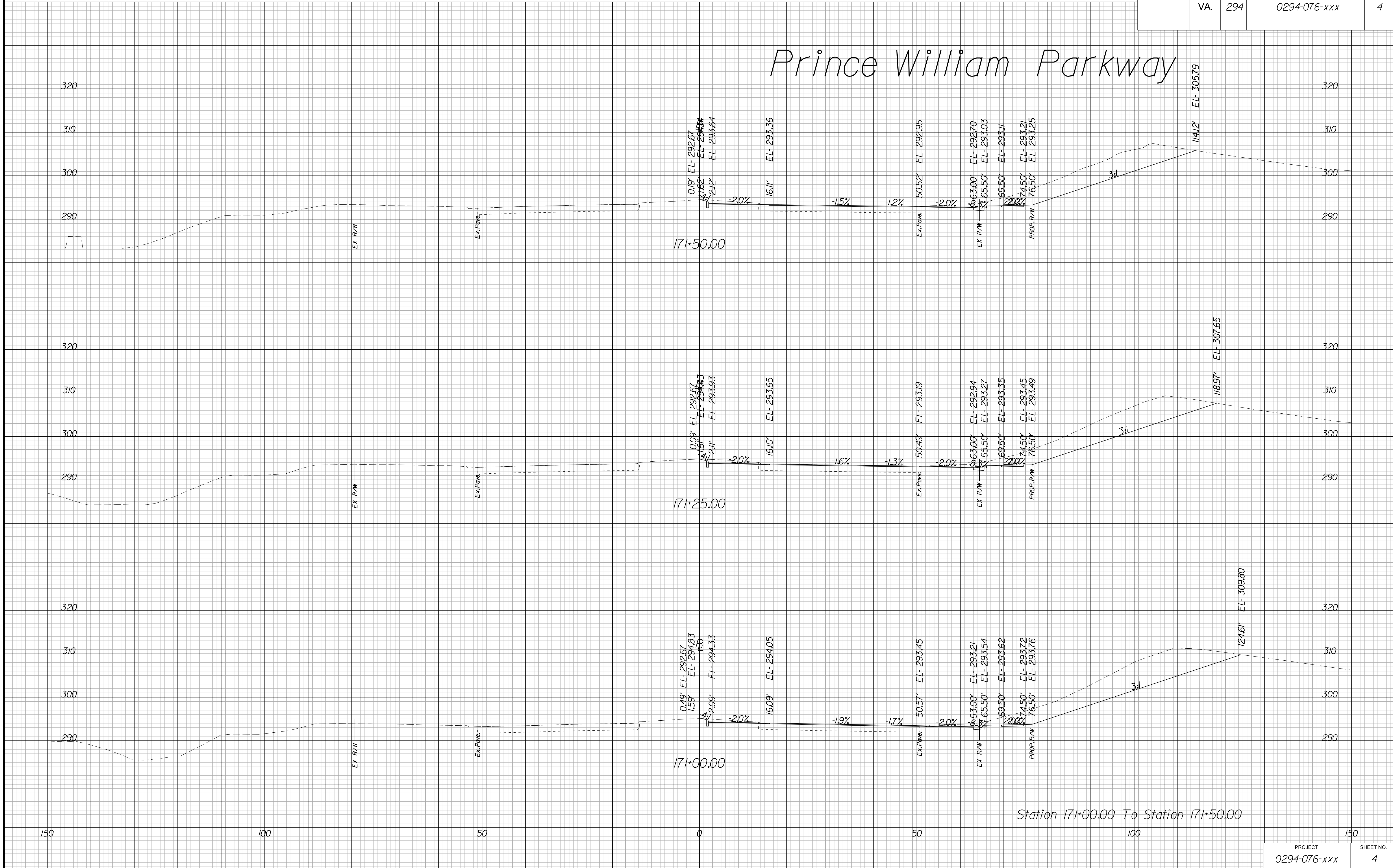
PROJECT MANAGER WWW
SURVEYED BY, DATE XXX
DESIGN BY YY
SUBSURFACE UTILITY BY, DATE ZZZ

CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	4



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

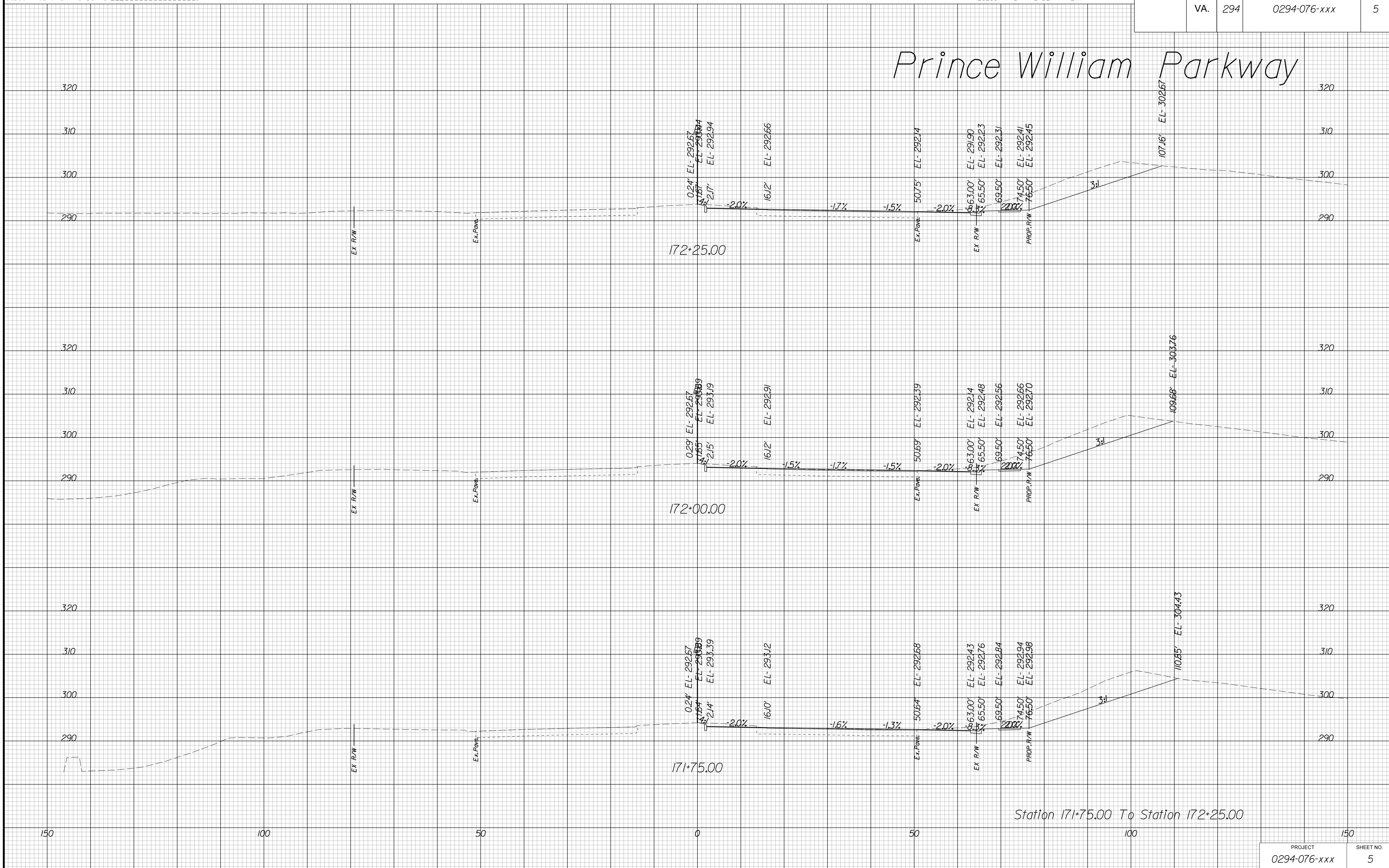
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx	5

Prince William Parkway



Station 171+75.00 To Station 172+25.00

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

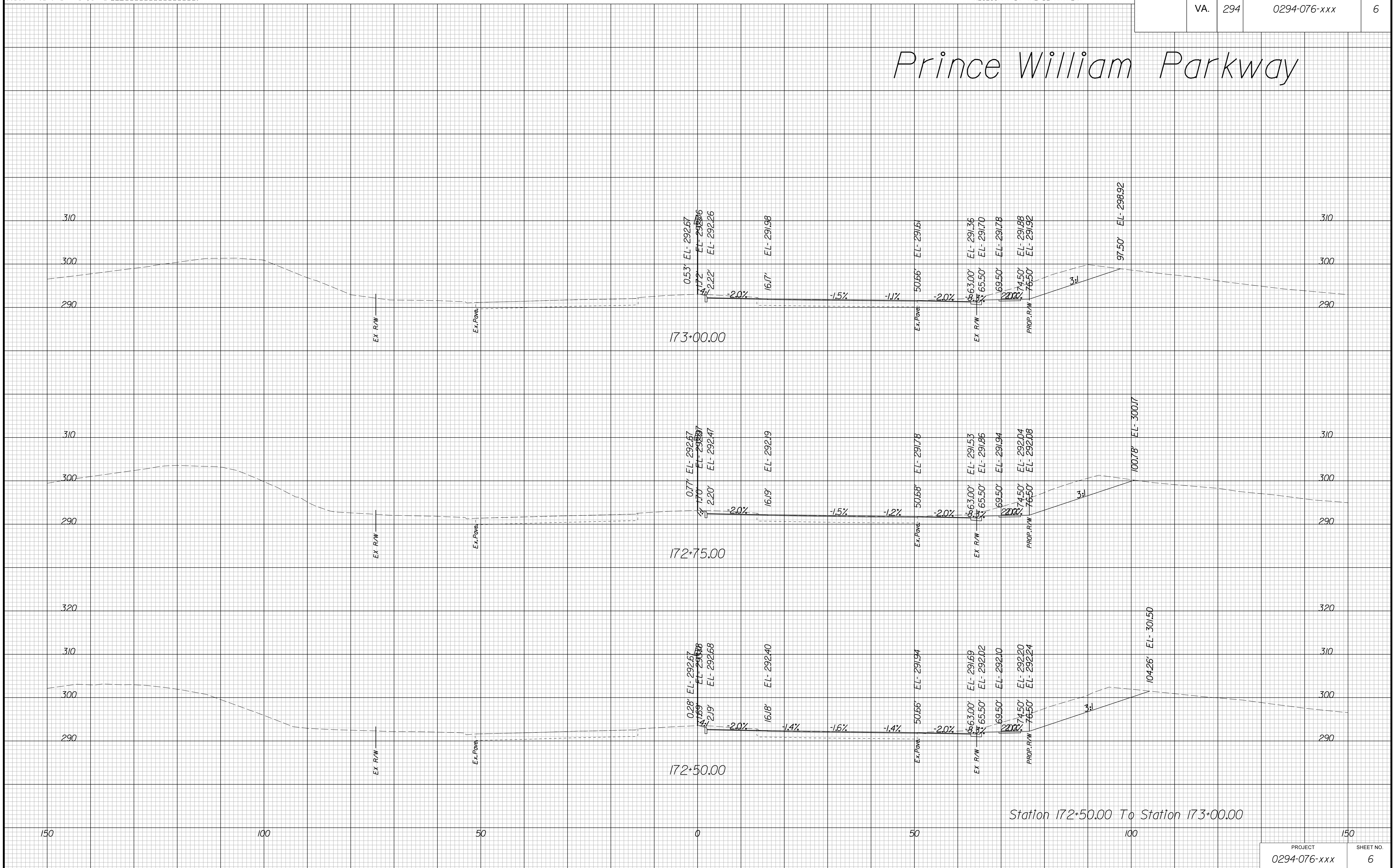
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	6

Prince William Parkway



Station 172+50.00 To Station 173+00.00

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

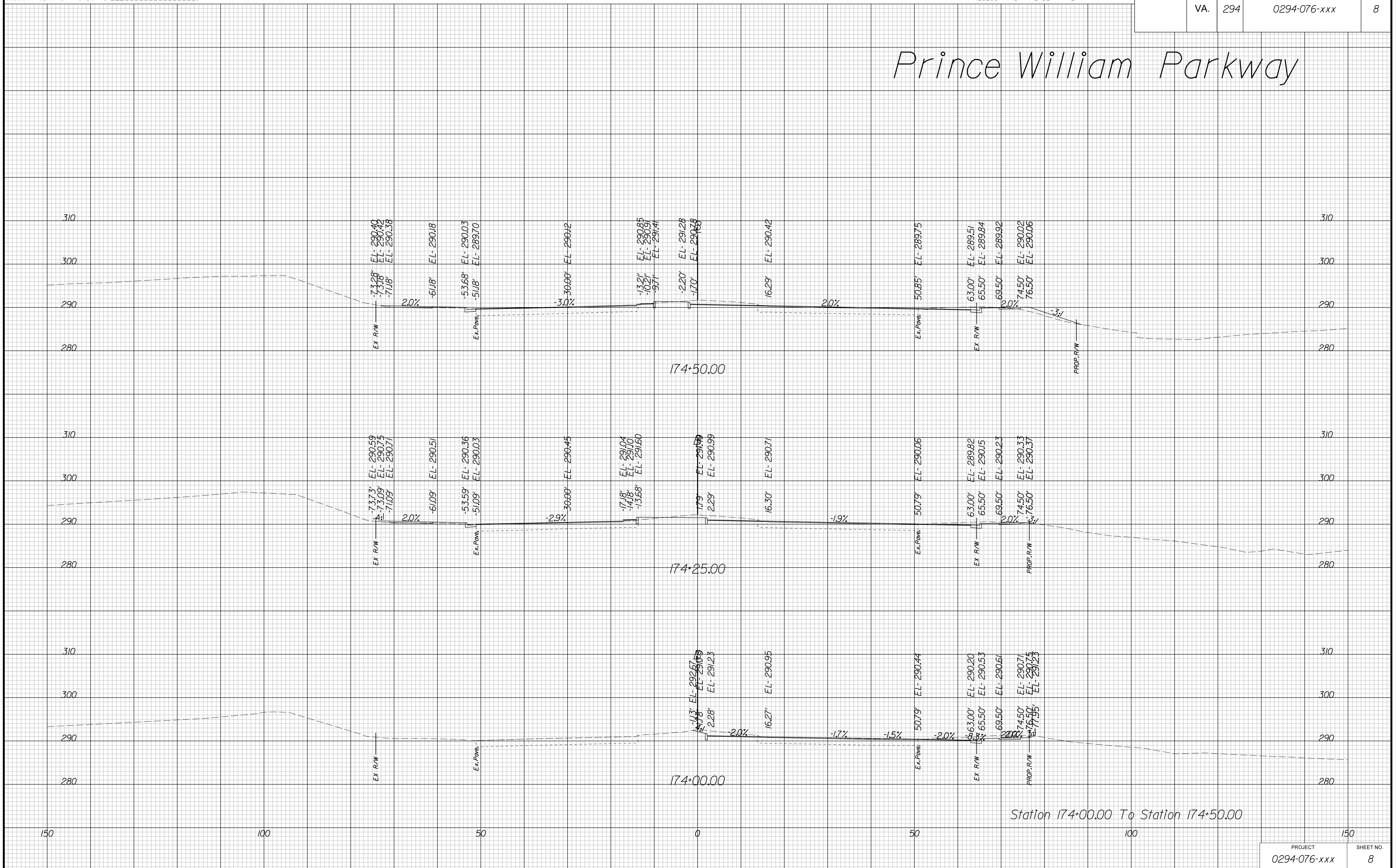
CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	8

Prince William Parkway



Station 174+00.00 To Station 174+50.00

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

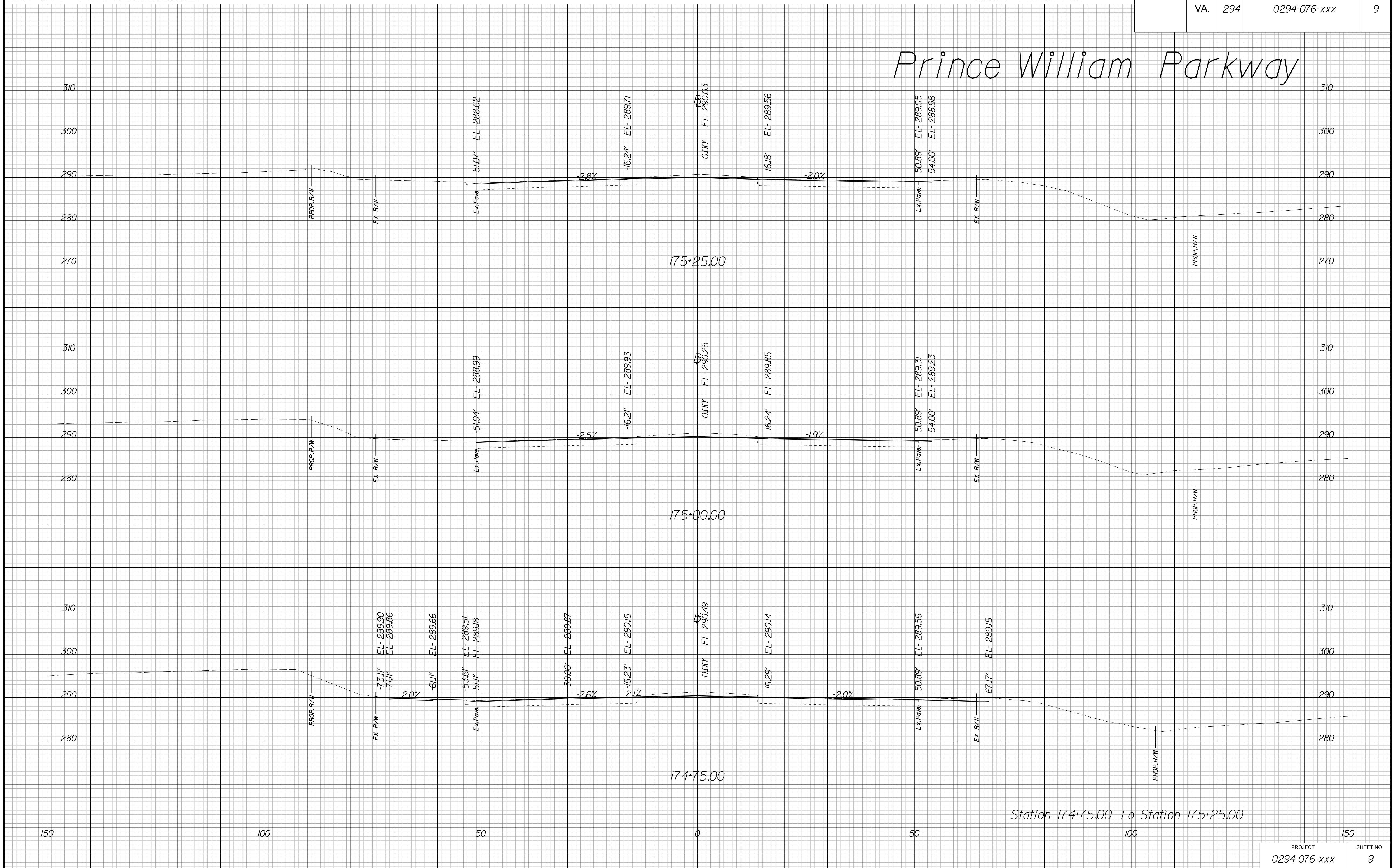
CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	9

Prince William Parkway



Station 174+75.00 To Station 175+25.00

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

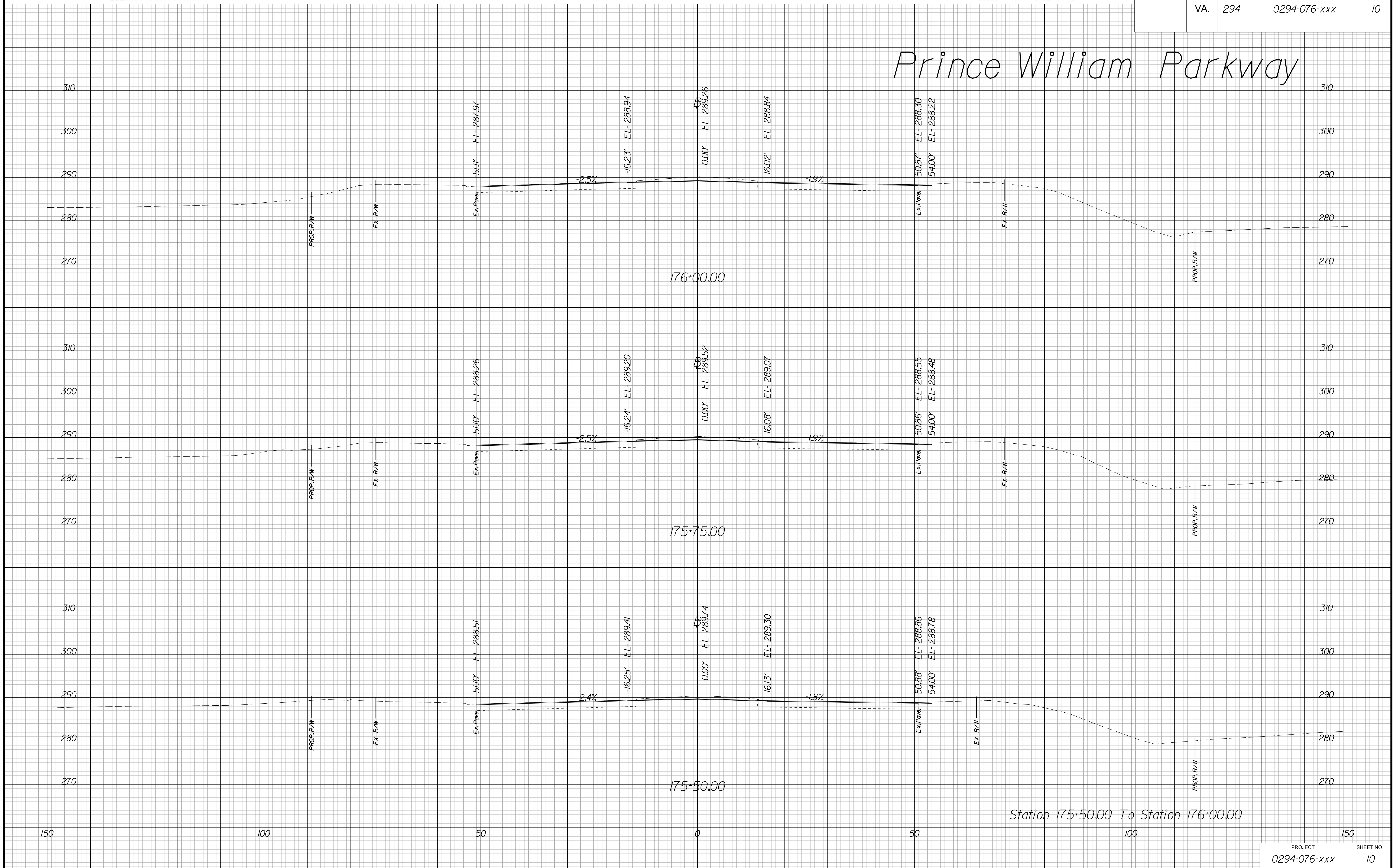
CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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NECESSARY BY THE DEPARTMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	294	0294-076-xxx	10

Prince William Parkway



Station 175+50.00 To Station 176+00.00

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

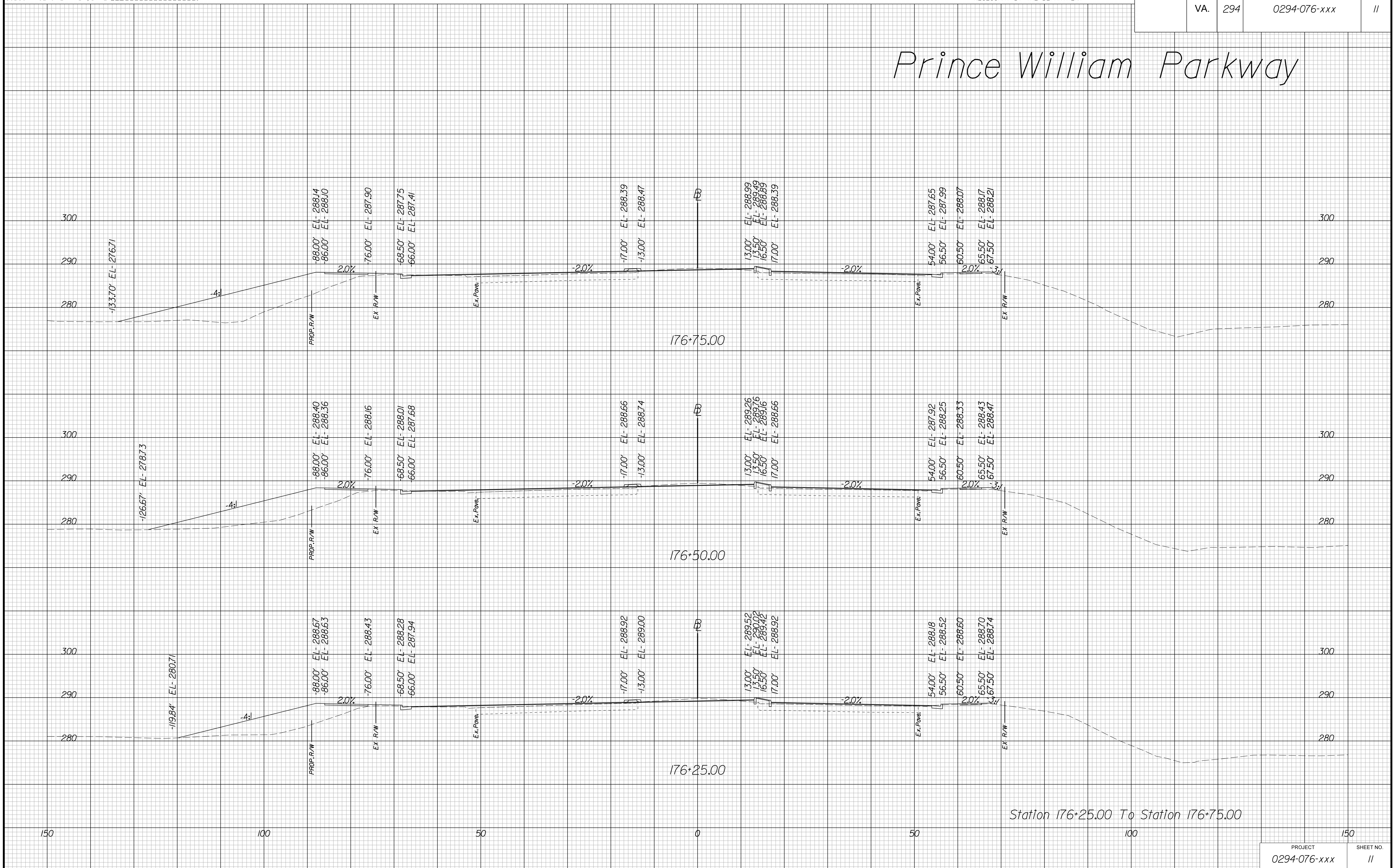
CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	11

Prince William Parkway



Station 176+25.00 To Station 176+75.00

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

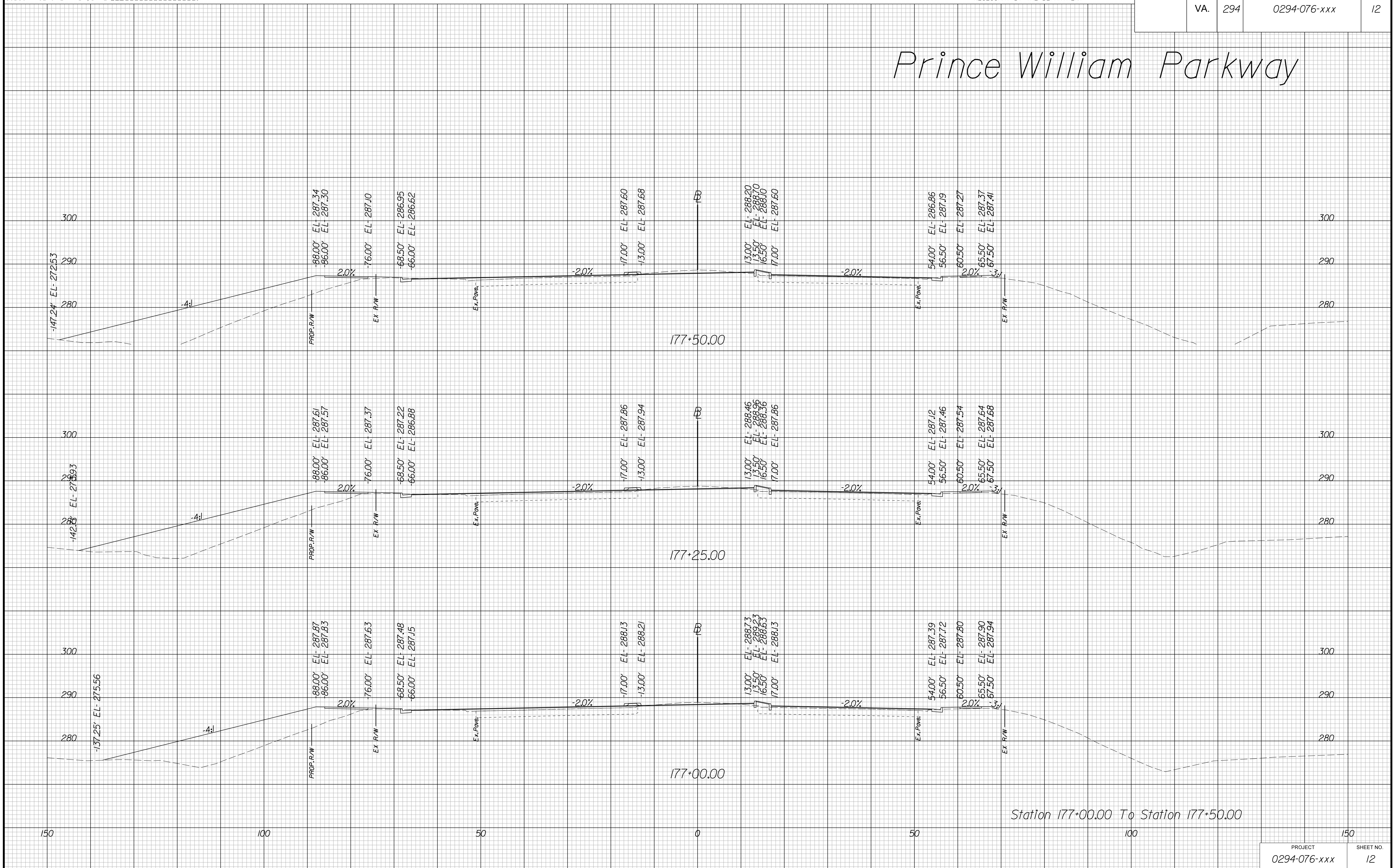
CROSS SECTIONS

SCALE 1 IN. = 10 FT

DESIGN FEATURES RELATING TO CONSTRUCTION
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	294		0294-076-xxx	12

Prince William Parkway



Station 177+00.00 To Station 177+50.00