

FOR INDEX OF SHEETS SEE SHEET 1B



FHWA 534 DATA 44010

STATE	FEDERAL AID		STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT		
VA.	STP-BR09(295)	674	(NFO) 0674-029-358 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1	

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).  
GEOPAK Computer Identification No. 110433

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY

FAIRFAX COUNTY  
HUNTER MILL ROAD (ROUTE 674) BRIDGE REPLACEMENT  
OVER COLVIN RUN  
FROM: 0.098 MILES SOUTH OF COLVIN RUN  
TO: 0.087 MILES NORTH OF COLVIN RUN

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
	Fr: 0.098 MILES SOUTH OF COLVIN RUN To: 0.087 MILES NORTH OF COLVIN RUN
ADT (2015)	8,000
ADT (2043)	11,000
DHV	-
D (%) (design hour)	-
T (%) (design hour)	-
V (MPH)	*

\* SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL CURVE DESIGN SPEEDS.

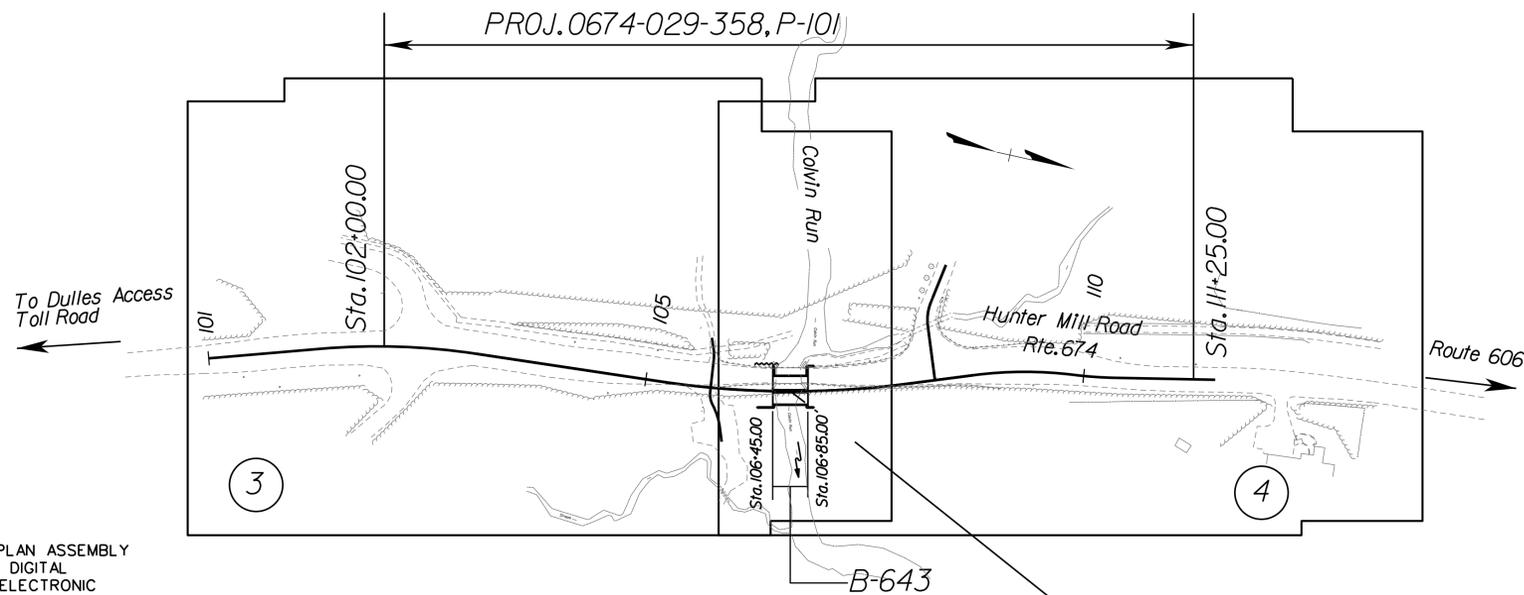
NOTE: THESE PLANS WERE DESIGNED FOR A SMALL BRIDGE REPLACEMENT PROJECT CONFORMING TO S&B-IIM-70.9

P. H. 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.



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



DESCRIPTION REFERENCE  
POT. Sta. 106+65.00 Rte. 674

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

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

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

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

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE 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.

Fairfax County Population 1,081,726 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
						FEET	MILES	FEET	MILES			
0674-029-358	P-101	STP-BR09(295)		110499	N/A	925.00	0.175	885.00	0.168		Prelim. Engr.	From: 0.098 Mi. South of Colvin Run To: 0.087 Mi. North of Colvin Run
	B-643	STP-BR09(295)		110433	N/A	40.00	0.010	-	-		Bridge	Rte. 674 Bridge over Colvin Run

Project Lengths are based on Hunter Mill Road (Route 674) Construction Baseline.

TIER 1 PROJECT	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR CONSTRUCTION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR

PROJECT MANAGER/Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
SURVEYED BY, DATE Rice and Associates (703) 968-3200  
DESIGN BY Brian Graham (Volkert) (703) 642-8100  
SUBSURFACE UTILITY BY, DATE Rice and Associates (703) 968-3200

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

# LOCATION MAP

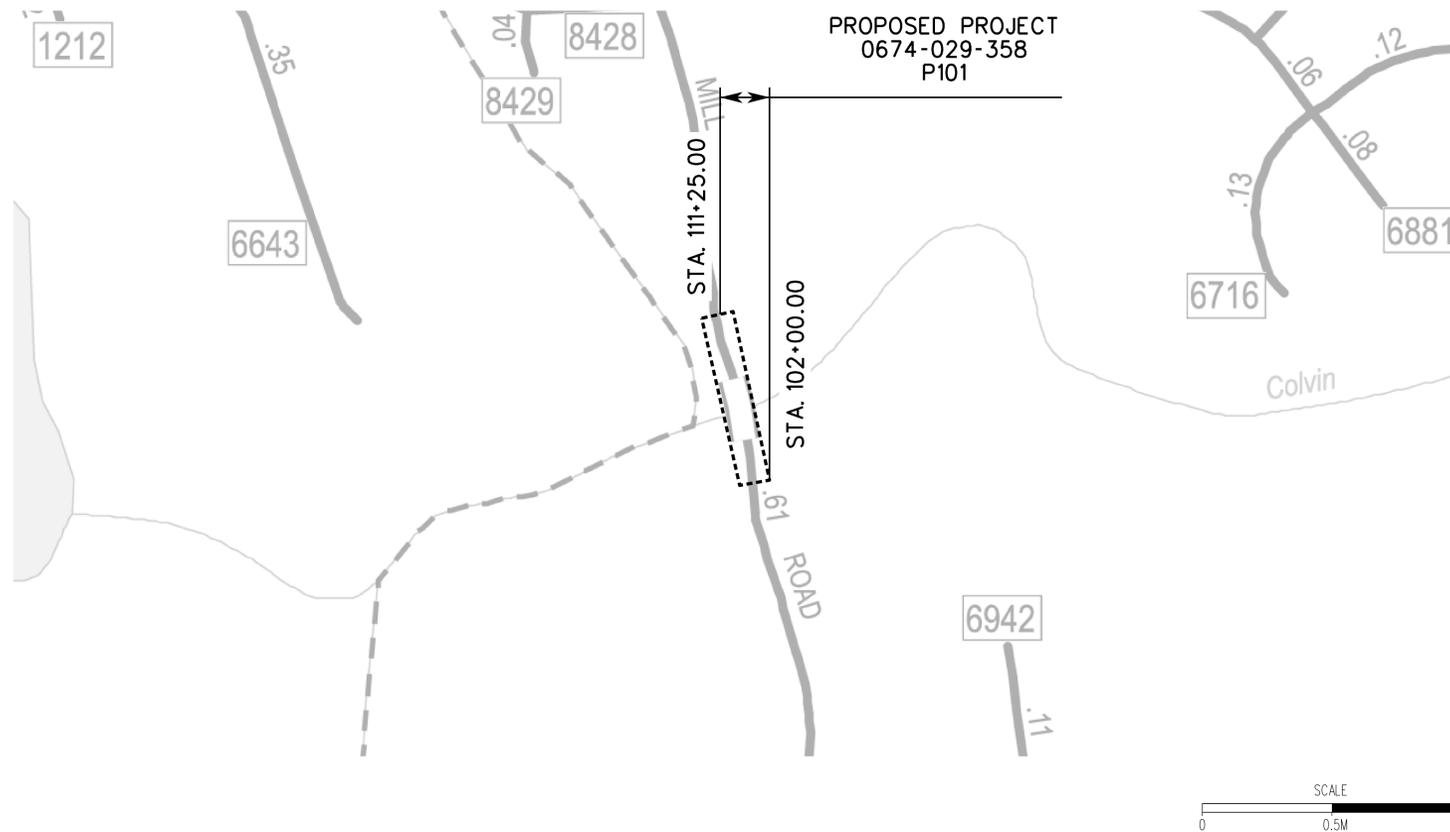
FAIRFAX COUNTY

P. H. PLANS

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

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	1A

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



Fairfax County  
Population 1,081,726  
2010 Census

PROJECT	SHEET NO.
0674-029-358	1A

NOVA DISTRICT DESIGN UNIT

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER Vicente S. Valezga, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Valkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

P. H. PLANS

## INDEX OF SHEETS

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REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	1B

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

SHEET NO.	DESCRIPTION	STATIONS
I	TITLE SHEET	
1A	LOCATION MAP	
1B	INDEX OF SHEETS	
1F	SURVEY ALIGNMENT DATA SHEET	
1G - 1G(1)	GEOMETRIC LAYOUT / CONSTRUCTION ALIGNMENT DATA SHEET	
1K - 1K(4)	MAINTENANCE OF TRAFFIC PLAN	
2*	GENERAL NOTES	
2A	TYPICAL SECTIONS	
2C - 2C(3)	SWPPP	
2D - 2E(1)	EROSION AND SEDIMENT CONTROL PLAN	
3, 3A, 3A(1)	PLAN AND PROFILE SHEETS HUNTER MILL RD.	100+00.00 to 107+25.00
4, 4A	PLAN AND PROFILE SHEETS HUNTER MILL RD.	107+25.00 to 111+49.32
5(1) - 5(2)	SIGNING AND PAVEMENT MARKING PLANS	
6(1) - 6(3)	BRIDGE PLANS	

TOTAL CROSS SECTION SHEETS 13 (SEE CROSS SECTION SHEET NUMBER 1 FOR INDEX OF SHEETS)

\* NOT INCLUDED IN THIS SUBMISSION

NOVA DISTRICT DESIGN UNIT

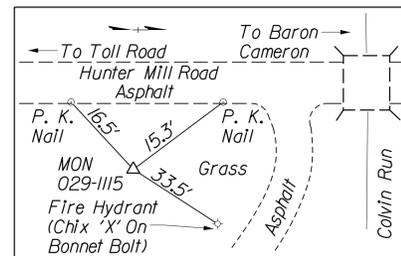
PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE: VDOT  
 DESIGN BY: Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE: VDOT

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	IF

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

LD-200 (REV. 10/2014) Virginia Department of Transportation Horizontal Control	
Control Station I.D. : 029-1115 Date : 1997 (Established) 3-8-2017 (Superseded - VDOT)	
VDOT Project Coordinates (2014) East (X) : 11821982.59 ft. North (Y) : 703594.35 ft. Elevation : 255.473 ft.	VA State Plane Coordinates : NAD 83 - U.S. Survey Feet East (X) : 11821512.07 ft. North (Y) : 7036314.29 ft. Ortho. Elevation (H) : 255.47 ft. Zone : North
Project Specific Combined Scale Factor: 1.000039802	Project Information Project Number : 0674-029-340, P101, R201, B643 Route : 674 City/County : Fairfax Originally Established By : Rice & Associates
Latitude : 38° 57' 50.35797" N Longitude : 77° 18' 32.97737" W Geoid Separation (N) : _____ Ellipsoid Height (h) : _____ Horizontal Datum : NAD 83 Year : 2017 Vertical Datum : NAVD88 Geoid : 12B Azimuth to Station : _____ is _____ Control Based On: Static GPS Observation NGS Opus Project Solution	To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :  * Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. ( Located above left )  * Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)

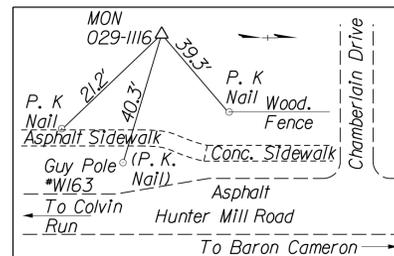


A Standard Disc Set In Concrete Flush With The Ground And Stamped 029-1115. To Reach The Monument From Intersection Of Baron Cameron And Hunter Mill, Proceed South On Hunter Mill Road Approximately 0.9 Miles To The Station On The Left Or East Side Of Hunter Mill Road Approximately 15.4' From Edge Of Pavement.

LD-200 (REV. 10/2014)

LD-200 (REV. 10/2014) Virginia Department of Transportation Horizontal Control	
Control Station I.D. : 029-1116 Date : 1997 (Established) 3-8-2017 (Superseded - VDOT)	
VDOT Project Coordinates (2014) East (X) : 11821576.03 ft. North (Y) : 7038356.44 ft. Elevation : 304.53 ft.	VA State Plane Coordinates : NAD 83 - U.S. Survey Feet East (X) : 1182105.53 ft. North (Y) : 7038076.31 ft. Ortho. Elevation (H) : 304.53 ft. Zone : North
Project Specific Combined Scale Factor: 1.000039802	Project Information Project Number : 0674-029-340, P101, R201, B643 Route : 674 City/County : Fairfax Originally Established By : Rice & Associates
Latitude : 38° 58' 07.82517" N Longitude : 77° 18' 37.83510" W Geoid Separation (N) : _____ Ellipsoid Height (h) : _____ Horizontal Datum : NAD 83 Year : 2017 Vertical Datum : NAVD 88 Geoid : 12B Azimuth to Station : _____ is _____ Control Based On: Static GPS Observation NGS Opus Project Solution	To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula :  * Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. ( Located above left )  * Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

DETAILED SKETCH (Not to Scale)



A Standard Disc Set In Concrete Flush With The Ground And Stamped 029-1116. To Reach The Monument From Intersection Of Baron Cameron And Hunter Mill Road, Proceed South On Hunter Mill Road 0.6 Miles To The Station On The Right Or West Side Of Hunter Mill Road Near The Crest Of A Hill.

LD-200 (REV. 10/2014)

Survey Alignment (Stream Traverse)

Point	N	E	Station	Remarks
Point 101	7,036,683.0640	11,821,109.0190	100+00.00	Iron Rod w/Cap
	N 34° 21' 39" E	Distance 296.51'		
Point 102	7,036,927.8330	11,821,276.3700	102+96.51	Iron Rod w/Cap
	N 60° 51' 22" E	Distance 323.70'		
Point 103	7,037,085.4770	11,821,559.0900	106+20.21	Iron Rod w/Cap
	N 88° 58' 24" E	Distance 335.61'		
Point 104	7,037,091.4910	11,821,894.6500	109+55.82	Iron Rod w/Cap
	N 36° 51' 22" E	Distance 338.56'		
Point 105	7,037,362.3880	11,822,097.7200	112+94.38	Iron Rod w/Cap
	N 48° 05' 07" E	Distance 429.99'		
Point 106	7,037,649.6290	11,822,417.6900	117+24.37	Iron Rod w/Cap
	N 48° 43' 25" E	Distance 195.89'		
Point 107	7,037,778.8580	11,822,564.9100	119+20.26	Iron Rod w/Cap

P. H. PLANS

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PROJECT MANAGER Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDDT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDDT

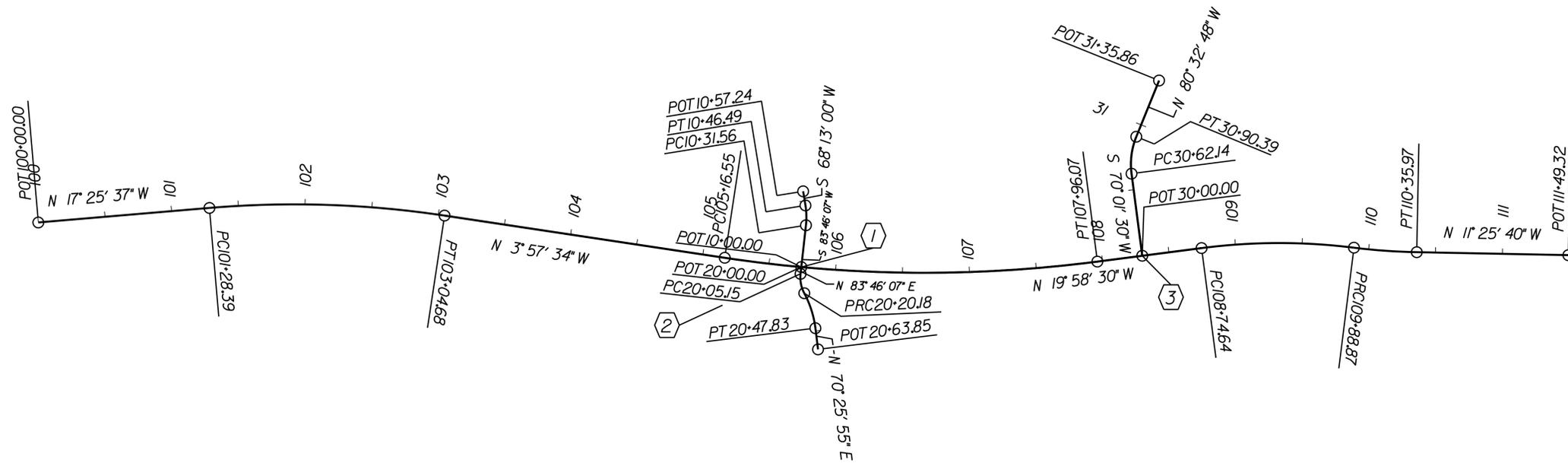
# CONSTRUCTION ALIGNMENT DATA SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	1G

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

Volkert, Inc.  
Springfield, Virginia  
ROADWAY ENGINEER

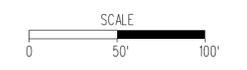
- |   |   |  |  |
|---|---|--|--|
| <p>①<br/>Curve HUNTERMILLROA_3<br/>PI • 102-16.95<br/>DELTA • 13° 28' 02.14" (RT)<br/>D • 7' 38" 22"<br/>T • 88.55'<br/>L • 176.29'<br/>R • 750.00'<br/>PC • 101-28.39<br/>PT • 103-04.68</p> | <p>②<br/>Curve HUNTERMILLROA_6<br/>PI • 106-57.23<br/>DELTA • 16° 00' 55.16" (LT)<br/>D • 5' 43" 46"<br/>T • 140.68'<br/>L • 279.52'<br/>R • 1000.00'<br/>PC • 105-16.55<br/>PT • 107-96.07</p> | <p>③<br/>Curve HUNTERMILLROA_9<br/>PI • 109-32.06<br/>DELTA • 14° 32' 39.98" (RT)<br/>D • 12' 43" 57"<br/>T • 57.42'<br/>L • 114.23'<br/>R • 450.00'<br/>PC • 108-74.64<br/>PT • 109-88.87</p> | <p>④<br/>Curve HUNTERMILLRO_10<br/>PI • 110-12.44<br/>DELTA • 5° 59' 50.00" (LT)<br/>D • 12' 43" 57"<br/>T • 23.57'<br/>L • 47.10'<br/>R • 450.00'<br/>PC • 109-88.87<br/>PT • 110-35.97</p> |
| <p>⑤<br/>Curve TRAIL_1_3<br/>PI • 10-39.07<br/>DELTA • 15° 33' 06.79" (LT)<br/>D • 10' 4" 10' 27"<br/>T • 7.51'<br/>L • 14.93'<br/>R • 55.00'<br/>PC • 10-31.56<br/>PT • 10-46.49</p>         | <p>⑥<br/>Curve TRAIL_2_3<br/>PI • 20-12.90<br/>DELTA • 34° 27' 36.77" (LT)<br/>D • 22' 9" 10' 59"<br/>T • 7.75'<br/>L • 15.04'<br/>R • 25.00'<br/>PC • 20-05.15<br/>PT • 20-20.18</p>           | <p>⑦<br/>Curve TRAIL_2_4<br/>PI • 20-34.17<br/>DELTA • 2° 07' 25.40" (RT)<br/>D • 76' 23" 40"<br/>T • 13.98'<br/>L • 27.65'<br/>R • 75.00'<br/>PC • 20-20.18<br/>PT • 20-47.83</p>             | <p>⑧<br/>Curve ENTRANCE3_3<br/>PI • 30-76.58<br/>DELTA • 29° 25' 41.35" (RT)<br/>D • 10' 4" 10' 27"<br/>T • 14.44'<br/>L • 28.25'<br/>R • 55.00'<br/>PC • 30-62.14<br/>PT • 30-90.39</p>     |



- ① POC 105-74.23 HUNTER MILL ROAD (ROUTE 674)  
POT 10-00.00 TRAIL 1  
Δ = 88°58'56"
- ② POC 105-74.23 HUNTER MILL ROAD (ROUTE 674)  
POT 20-00.00 TRAIL 2  
Δ = 89°54'32"
- ③ POC 108-29.92 HUNTER MILL ROAD (ROUTE 674)  
POT 30-00.00 ENTRANCE 3  
Δ = 90°00'00.00"

## P. H. PLANS

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PROJECT	SHEET NO.
0674-029-358	1G

PROJECT MANAGER Vicente S. Valdez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOJ  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOJ

# CONSTRUCTION ALIGNMENT DATA SHEET

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	IG(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Volkert, Inc. Springfield, Virginia ROADWAY ENGINEER				

## CONSTRUCTION BASELINE HUNTER MILL ROAD (ROUTE 674)

Beginning chain HUNTERMILLROAD description  
 Features: - 25 Scale Baselines  
 Point HUNTERMILLROAD1 N 7.036.530.9956 E 11.821.971.7356 Sta 100+00.00  
 Course from HUNTERMILLROAD1 to PC HUNTERMILLROAD.3 N 17° 25' 36.60" W Dist 128.3942

Curve Data  
 Curve HUNTERMILLROAD.3  
 P.I. Station = 102+16.95 N 7.036.737.9832 E 11.821.906.7632  
 Delta = 13° 28' 02.14" (RT)  
 Degree = 7° 38' 21.91"  
 Tangent = 88.5511  
 Length = 176.2864  
 Radius = 750.0000  
 External = 5.2094  
 Long Chord = 175.8805  
 Mid. Ord. = 5.1705  
 P.C. Station = 101+28.39 N 7.036.653.4965 E 11.821.933.2832  
 P.T. Station = 103+04.68 N 7.036.826.3229 E 11.821.900.6486  
 C.C. = 102+16.535 N 7.036.678.1123 E 11.821.968.9583  
 Back = N 17° 25' 36.60" W  
 Ahead = N 3° 57' 34.45" W  
 Chord Bear = N 10° 41' 35.53" W

Course from PT HUNTERMILLROAD.3 to PC HUNTERMILLROAD.6 N 3° 57' 34.45" W Dist 211.8743

1

2

3

4

Curve Data  
 Curve HUNTERMILLROAD.6  
 P.I. Station = 106+57.23 N 7.037.178.0328 E 11.821.876.3039  
 Delta = 16° 00' 56.16" (LT)  
 Degree = 5° 45' 46.48"  
 Tangent = 140.6772  
 Length = 279.5201  
 Radius = 1,000.0000  
 External = 9.8466  
 Long Chord = 278.6110  
 Mid. Ord. = 9.7505  
 P.C. Station = 105+16.55 N 7.037.037.6914 E 11.821.886.0181  
 P.T. Station = 107+96.01 N 7.037.310.2472 E 11.821.828.2474  
 C.C. = 106+56.28 N 7.036.968.6389 E 11.820.888.4050  
 Back = N 3° 57' 34.45" W  
 Ahead = N 19° 58' 29.61" W  
 Chord Bear = N 11° 58' 02.03" W

Course from PT HUNTERMILLROAD.6 to PC HUNTERMILLROAD.9 N 19° 58' 29.61" W Dist 78.5644

Curve Data  
 Curve HUNTERMILLROAD.9  
 P.I. Station = 109+32.06 N 7.037.438.0554 E 11.821.781.7925  
 Delta = 14° 32' 39.98" (RT)  
 Degree = 12° 43' 56.62"  
 Tangent = 57.4246  
 Length = 114.2318  
 Radius = 450.0000  
 External = 3.6492  
 Long Chord = 113.9253  
 Mid. Ord. = 3.6198  
 P.C. Station = 108+74.64 N 7.037.384.0853 E 11.821.801.4092  
 P.T. Station = 109+88.87 N 7.037.495.2222 E 11.821.776.3580  
 C.C. = 109+32.06 N 7.037.537.8091 E 11.822.224.3383  
 Back = N 19° 58' 29.61" W  
 Ahead = N 5° 25' 49.63" W  
 Chord Bear = N 12° 42' 09.62" W

Curve Data  
 Curve HUNTERMILLROAD.10  
 P.I. Station = 110+12.44 N 7.037.518.6890 E 11.821.774.1271  
 Delta = 5° 58' 50.01" (LT)  
 Degree = 12° 43' 56.62"  
 Tangent = 23.2726  
 Length = 47.1021  
 Radius = 450.0000  
 External = 0.8110  
 Long Chord = 47.0806  
 Mid. Ord. = 0.8161  
 P.C. Station = 109+88.87 N 7.037.495.2222 E 11.821.776.3580  
 P.T. Station = 110+35.37 N 7.037.541.1943 E 11.821.769.4567  
 C.C. = 110+12.44 N 7.037.452.6354 E 11.821.328.3777  
 Back = N 5° 25' 49.63" W  
 Ahead = N 11° 25' 39.65" W  
 Chord Bear = N 8° 25' 44.64" W

Course from PT HUNTERMILLROAD.10 to 15 N 11° 25' 39.65" W Dist 113.3462

Point 15 N 7.037.652.8935 E 11.821.746.9993 Sta 111+49.32

Ending chain HUNTERMILLROAD description

## CONSTRUCTION BASELINE TRAIL 1

Beginning chain TRAIL.1 description  
 Features: - 25 Scale Baselines  
 Point 16 N 7.037.095.0787 E 11.821.880.3793 Sta 10+00.00  
 Course from 16 to PC TRAIL.1.3 S 83° 46' 06.79" W Dist 31.5624

Curve Data  
 Curve TRAIL.1.3  
 P.I. Station = 10+39.07 N 7.037.090.8376 E 11.821.841.5373  
 Delta = 15° 33' 06.33" (LT)  
 Degree = 104° 10' 26.92"  
 Tangent = 7.3105  
 Length = 14.9287  
 Radius = 55.0000  
 External = 0.8104  
 Long Chord = 14.8830  
 Mid. Ord. = 0.5057  
 P.C. Station = 10+31.56 N 7.037.091.6528 E 11.821.849.0034  
 P.T. Station = 10+46.49 N 7.037.088.0904 E 11.821.854.9934  
 C.C. = 10+39.07 N 7.037.096.9718 E 11.821.854.9934  
 Back = S 83° 46' 06.79" W  
 Ahead = S 68° 13' 06.00" W  
 Chord Bear = S 75° 59' 33.40" W

Course from PT TRAIL.1.3 to 17 S 68° 13' 00.00" W Dist 10.7471

Point 17 N 7.037.084.0622 E 11.821.824.5833 Sta 10+57.24

Ending chain TRAIL.1 description

5

## CONSTRUCTION BASELINE TRAIL 2

Beginning chain TRAIL.2 description  
 Features: - 25 Scale Baselines  
 Point 18 N 7.037.095.0787 E 11.821.880.3793 Sta 20+00.00  
 Course from 18 to PC TRAIL.2.3 N 83° 46' 06.80" E Dist 5.1466

Curve Data  
 Curve TRAIL.2.3  
 P.I. Station = 20+12.90 N 7.037.096.4790 E 11.821.893.2029  
 Delta = 34° 27' 15.31" (LT)  
 Degree = 229° 10' 58.22"  
 Tangent = 7.7532  
 Length = 15.0361  
 Radius = 25.0000  
 External = 1.1746  
 Long Chord = 14.9105  
 Mid. Ord. = 1.1219  
 P.C. Station = 20+05.19 N 7.037.095.6374 E 11.821.885.4955  
 P.T. Station = 20+20.18 N 7.037.101.5339 E 11.821.899.0816  
 C.C. = 20+12.90 N 7.037.120.4897 E 11.821.882.7819  
 Back = N 83° 46' 06.79" E  
 Ahead = N 49° 18' 30.03" E  
 Chord Bear = N 66° 32' 18.41" E

6

7

Curve Data  
 Curve TRAIL.2.4  
 P.I. Station = 20+34.17 N 7.037.110.6515 E 11.821.909.6848  
 Delta = 21° 07' 26.40" (RT)  
 Degree = 76° 23' 39.74"  
 Tangent = 13.9842  
 Length = 27.6509  
 Radius = 75.0000  
 External = 1.2956  
 Long Chord = 27.4946  
 Mid. Ord. = 1.2707  
 P.C. Station = 20+20.18 N 7.037.101.5339 E 11.821.899.0816  
 P.T. Station = 20+47.83 N 7.037.115.3361 E 11.821.922.8614  
 C.C. = 20+34.17 N 7.037.044.6667 E 11.821.947.9807  
 Back = N 49° 18' 30.03" E  
 Ahead = N 70° 25' 55.42" E  
 Chord Bear = N 59° 52' 12.73" E

Course from PT TRAIL.2.4 to 19 N 70° 25' 55.42" E Dist 16.0184

Point 19 N 7.037.120.7001 E 11.821.937.9546 Sta 20+63.85

Ending chain TRAIL.2 description

## CONSTRUCTION BASELINE ENTRANCE 3

Beginning chain ENTRANCE3 description  
 Features: - 25 Scale Baselines  
 Point ENTRANCE31 N 7.037.342.0581 E 11.821.816.6850 Sta 30+00.00  
 Course from ENTRANCE31 to PC ENTRANCE3.3 S 70° 01' 30.39" W Dist 62.1369

Curve Data  
 Curve ENTRANCE3.3  
 P.I. Station = 30+76.58 N 7.037.315.8976 E 11.821.744.7116  
 Delta = 29° 25' 41.35" (RT)  
 Degree = 104° 10' 26.92"  
 Tangent = 14.4434  
 Length = 28.2490  
 Radius = 55.0000  
 External = 1.8649  
 Long Chord = 27.3395  
 Mid. Ord. = 1.8037  
 P.C. Station = 30+60.14 N 7.037.320.8316 E 11.821.758.2861  
 P.T. Station = 30+90.39 N 7.037.318.2698 E 11.821.730.4643  
 C.C. = 30+76.58 N 7.037.312.5229 E 11.821.738.4977  
 Back = S 70° 01' 30.39" W  
 Ahead = N 80° 52' 48.26" W  
 Chord Bear = S 84° 44' 21.06" W

Course from PT ENTRANCE3.3 to ENTRANCE35 N 80° 32' 48.26" W Dist 45.4737

Point ENTRANCE35 N 7.037.325.7386 E 11.821.685.6082 Sta 31+35.86

Ending chain ENTRANCE3 description

8

P. H. PLANS

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

PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE: VDOT  
 DESIGN BY: Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE: VDOT

# TRAFFIC MANAGEMENT PLAN NOTES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	IK

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

## P. H. 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.

### Sequence of Construction

#### Phase I: Construct One-Lane Of New Bridge (NB) To The East Of Existing Bridge While Maintaining Existing Traffic Operation

- The contractor shall set the signing for Phase I as shown on plans using TTC-53.0 per 2011 Virginia Work Area Protection Manual (WAPM), Revision 2 (September 1, 2019). Install and maintain erosion and sediment control measures throughout all construction phases.
- Install concrete barriers and impact attenuators from STA.102+93.0 through STA.105+59.0 as shown on plans, and maintain existing guardrails between STA.105+78.5 and STA.109+4.5 throughout MOT Phase One (I).
- Utilize existing two-way, one-lane operation on Rte.674 at Colvin Run to construct the eastern portion of proposed bridge and roadways in preparation of next phase of construction. Maintain existing signs and pavement markings throughout this phase of construction.
- Maintain the existing private driveway entrances at STA. 102+25.64 (right), STA. 102+40.81 (left), and STA. 108+30.16 (left) as stop-controlled throughout construction.
- Access to existing trail for bicyclists and pedestrians shall be maintained at all times throughout construction.
- Grade and construct roadways, shoulders, aggregate base and intermediate courses at full depth pavement section including the guardrails for the proposed northbound lane of Rte. 674.

#### Phase II: Construct Second Lane Of Bridge (SB) And Shift Traffic To The Newly Constructed Bridge

- The contractor shall set the signing for lane closure operation with traffic control signals using TTC-53.0 as shown in the 2011 Virginia Work Area Protection Manual (WAPM), Revision 2 (September 1, 2019).
- Provide the Driveway Assistance Device (DAD) system for private driveway entrances at STA. 102+25.64 (right), STA. 102+40.81 (left), and STA. 108+30.16 (left) in preparation of the lane closure with traffic control signals operation. All private driveway entrances shall remain open for the entire duration of construction.
- Close the existing Rte.674 bridge and portion of southbound lanes between Sta. 102+85.92 through Sta. 108+12.0 with concrete barriers, group 2 channelizing devices and impact attenuators, and provide temporary markings as shown on the temporary traffic control plans. Switch the existing two-way, one-lane traffic on Rte. 674 at Colvin Run to lane closure operation using traffic control signals per TTC-25.2 of 2011 WAPM, Revision 2 (September 1, 2019).
- Contractor shall ensure adequate sight distances are provided on both northbound and southbound Rte. 674, and from the private driveway entrances at STA. 102+25.64 (right), STA. 102+40.81 (left), and STA. 108+30.16 (left) prior to initiating the lane closure operation with traffic control signals. Adjust and relocate traffic signals and signs location as deemed necessary.
- Maintain the existing traffic using portable traffic signals and DAD system, and access to private driveway entrances throughout Phase 2 construction. Access to existing trail for bicyclists and pedestrians shall be maintained at all times throughout construction.
- Demolish the existing Rte. 674 at Colvin Run bridge.
- Grade and construct roadways, shoulders, aggregate base and intermediate courses at full depth pavement section including the guardrails for the proposed southbound lane of Rte. 674.

#### Phase III: Build Median And Shift Traffic To The Second Lane (SB Lane) Of Newly Constructed Bridge

- Relocate concrete barriers and impact attenuators from Phase 2 to Phase 3 configuration shown on plans in preparation of the traffic switch using flagging operation (TTC-23.2).
- Provide temporary markings for Phase 3, relocate the portable traffic signals, and close the proposed northbound lane of Rte.674 at Colvin Run between Sta.103+2.7 through Sta.109+10.42 as shown on plans.
- At the time of closing the proposed northbound lane, divert traffic onto the newly constructed southbound lane of Rte. 674 and operate the lane closure operation using traffic control signals per TTC-25.2 of 2011 WAPM, Revision 2 (September 1, 2019).
- Maintain the existing traffic using portable traffic signals and DAD units, and access to private driveway entrances throughout Phase 3 construction.
- Construct raised medians and curbs for Rte. 674 between STA.105+9.4 and STA.107+79.19.

#### Phase IV: Milling/Overlay Operation, Signing And Pavement Marking, And Final Preparation

- Overlay Rte. 674 between Sta. 101+50.0 through Sta. 111+25.0 adjacent to the newly constructed bridge with asphalt surface course.
- Stripe Rte. 674 at Colvin Run as shown on the signing and pavement marking plans.
- Remove all erosion and sediment control and temporary measures at the completion of the project.

### Temporary Traffic Control Plans Notes

This project is to be constructed in accordance with the department's 2016 Road and Bridge Specifications, 2016 Road and Bridge Standards, 2011 Virginia Work Area Protection Manual, Revision 2 (September 1, 2019), 2011 Virginia Supplement to 2009 MUTCD Revision 1. The project will have a Type B TMP. Unless otherwise approved or directed by the Engineer, the Contractor shall plan and execute the work in accordance with the following:

- The Contractor shall be responsible for providing one intermediate level and one basic level designated Work Zone Safety Coordinator to develop and monitor all traffic control devices and ensure compliance with the current edition of the 2011 Virginia Work Area Protection Manual, Revision 2 (September 1, 2019).
- Any major changes in phasing will require approval of the Engineer. Any changes to the temporary traffic control plan shall be signed and sealed by a Professional Engineer and submitted to VDOT for review and approval.
- All warning signs and temporary traffic control devices shall be promptly removed at the completion of work, as directed by the Engineer.

### Temporary Traffic Control Plans Notes Cont'd

- Existing surface, aggregate base and subbase material that will be demolished or obliterated during construction and which is suitable for M.O.T., as determined by the Engineer, shall be salvaged and utilized for M.O.T. prior to the use of commercial material. When not specified as a separate pay item, the removal and salvage of existing surfaces and aggregate base and subbase material will be measured and paid for as regular excavation in accordance with Section 303 of the specifications.
- Removal of existing pavement markings shall be completed according to Section 512.03 (I).
- Contractor shall use Typical Traffic Control (TTC) application drawings shown in the 2011 Virginia Work Area Protection Manual, Revision 2 (September 1, 2019) i.e. TTC-23.2, TTC-25.2, TTC-48.2, TTC-53.0 and applicable notes.
- Access and adequate sight distance to and from all properties shall be maintained at all times. For connections and entrances, minimum width shall be no less than existing conditions unless otherwise shown on plans. Emergency vehicles and postal vehicles must also have access to all properties at all times. Mailboxes shall be reset/available for use each day.
- Contractor to call Northern Regional Operations (NRO) Traffic Operations Center (TOC): 703-877-3449 at least 48 hours prior to the beginning of work.
- All construction signs shall be the responsibility of the contractor, including furnishing, installing, adjusting, maintaining, and removing the signs and posts per the Specifications and Standard Details. If the signs are not setup as a pay item, they shall be considered incidental to the price of other items. This is in accordance with section 514 of the specification.
- Contractor shall perform work in the construction zone from Monday - Saturday from 8:00 A.M. to 5:00 P.M. Except as necessary to maintain traffic, work shall not be performed on Sundays and Holidays without the permission of the VDOT Engineer (per section 108.02 of the Road and Bridge Specifications).
- Contractor shall perform the bridge closure with detour as shown on sheets IK(3) and IK(4) only when deemed necessary. The contractor shall submit the bridge closure and detour request to the Engineer for review and approval.

### Public Communications and Outreach Strategies

#### Notification

- Project information will be given to the VDOT Traffic Operations Center (Northern Regional Operations - NRO) at least one (1) month in advance of the start of construction and weekly updates by noon on Thursday for the following weeks work ensuring proper, timely and accurate communication to the media and general public which is critical in providing en-route traveler information. The Traffic Operations Center will contact the VDOT District Public Affairs Manager.
- The Contractor shall coordinate with the Fairfax County Sheriff's Office, Department of Fire and Rescue, and the County Schools Superintendent concerning all detours and road closures of any nature.
- Property owners and businesses affected as result of proposed construction zones shall be notified in advance and contractor shall provide adequate access during construction.
- The contractor shall have in place a minimum of four (4) portable changeable message sign (PCMS) boards available for use one week in advance of the construction, during the first week of construction, and during the scheduled Rte. 674 road closure on Dulles Toll Road (Rte. 267).
- Process of notification of incident to be followed is:  
 Contractor to call:  
 a) Transportation Operations Center: (703) 877-3449  
 b) Project Inspector: To Be Determined  
 c) Construction Project Managers: To Be Determined  
 d) Area Construction Engineer: Chandraratne B. Basnayake - (XXX) XXX-XXXX  
 e) District Traffic Engineer: Ivan Horodyskyj - (703) 259-2330  
 f) District Work Zone Safety Coordinator: Kwame Acquah - (XXX) XXX-XXXX  
 g) Fairfax County Sheriff's Office - (703) 246-3227

### Transportation Operations Plan

Detailed Transportation Operations Plan to be provided at next design submission.

Volkert, Inc.  
Springfield, Virginia  
TRAFFIC ENGINEER

PROJECT	SHEET NO.
0674-029-358	IK

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY: DATE VDOT  
 DESIGN BY: Brian Gratom, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY: DATE VDOT

# TEMPORARY TRAFFIC CONTROL PLAN - PHASE SEQUENCE

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	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

Volkert, Inc.  
Springfield, Virginia  
TRAFFIC ENGINEER

## LEGEND

- Work Area
- Concrete Barrier
- Driveway Assistance Device (DAD) System
- Temporary Traffic Control Signal
- Impact Attenuator

1 ROAD WORK AHEAD  
W20-1  
48" x 48"

2 ONE LANE ROAD AHEAD  
W20-4  
48" x 48"  
15 MPH  
W13-1P  
30" x 30"

3 BE PREPARED TO STOP  
W3-4  
48" x 48"  
15 MPH  
W13-1P  
30" x 30"

4 350 FEET  
W3-3  
48" x 48"  
W16-VP3  
60" x 18"

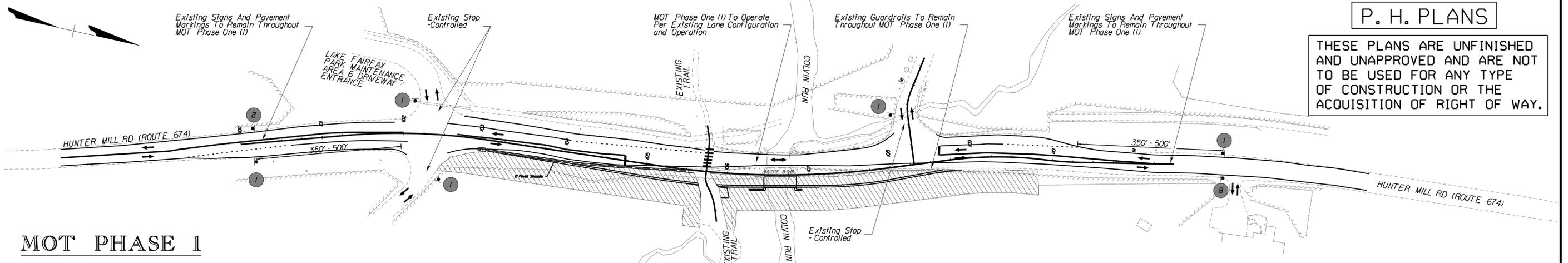
5 STOP HERE ON RED  
R10-6  
24" x 30"

6 NO TURN ON RED  
R10-11  
24" x 30"  
(As Part Of DAD System)

7 YIELD IN DIRECTION OF FLASHING RED ARROW AFTER STOP  
36" x 42"  
(As Part Of DAD System)

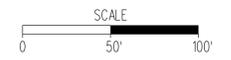
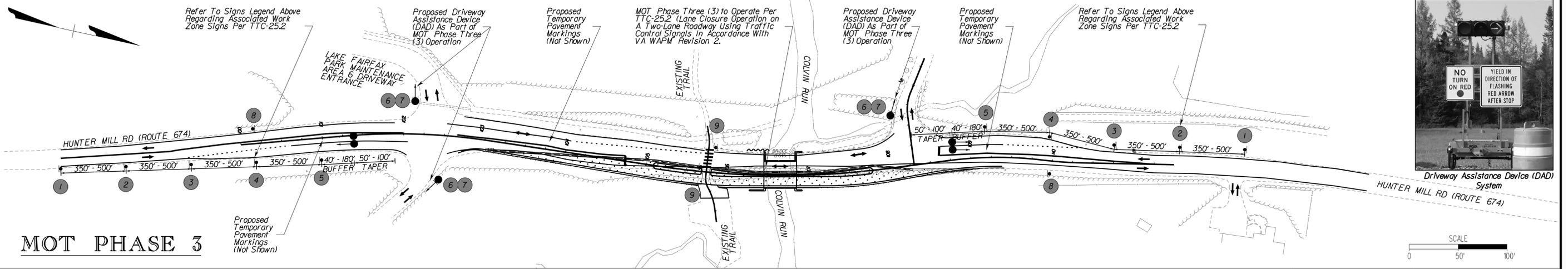
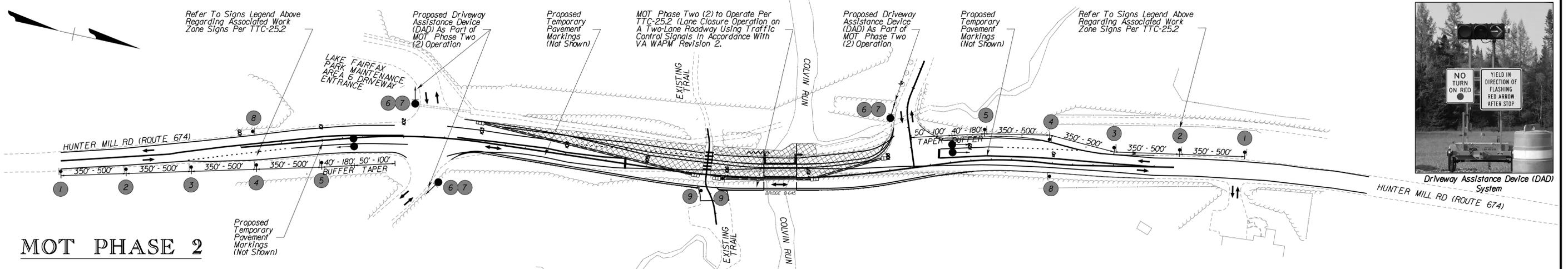
8 END ROAD WORK  
G20-21V  
48" x 24"

9   
W11-15  
30" x 30"  
W16-7PL  
24" x 12"



**P. H. PLANS**

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PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDDT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDDT

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	1K(2)

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

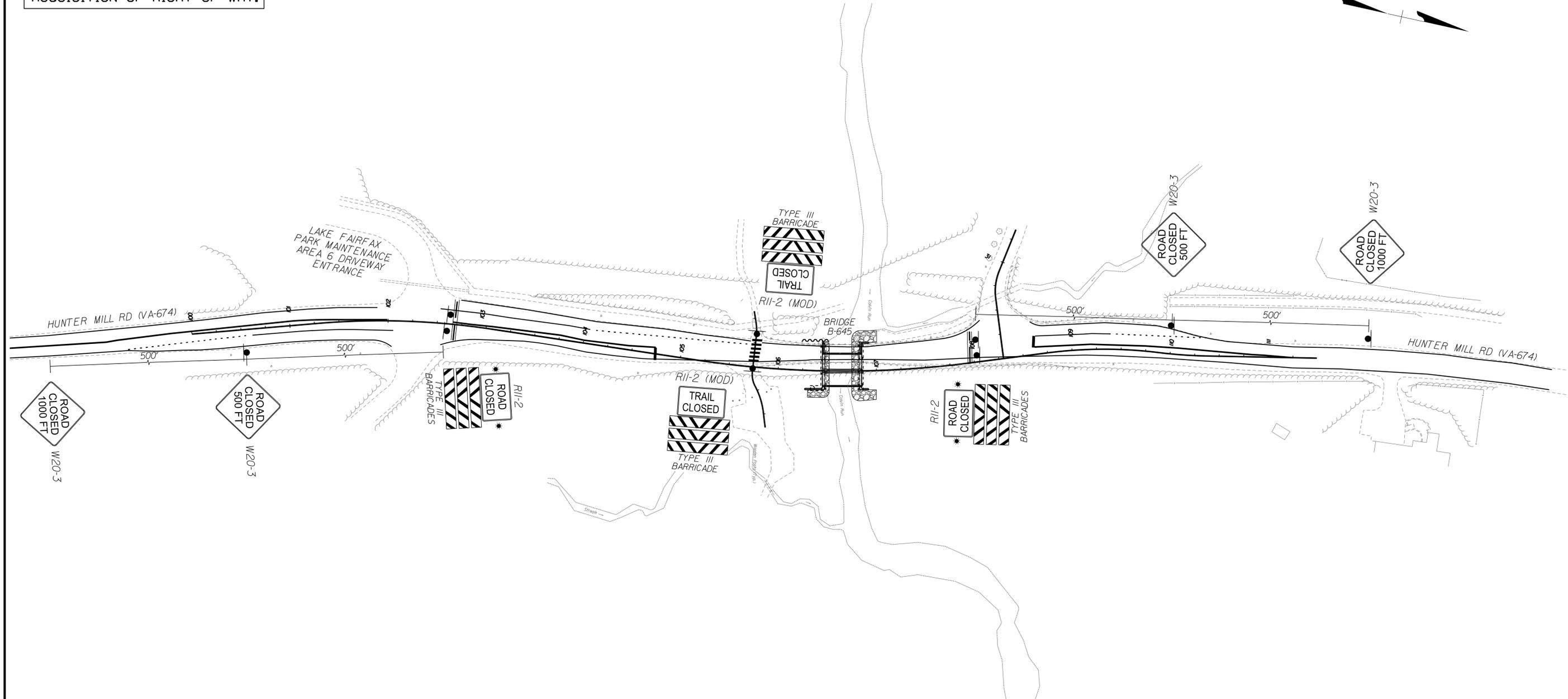
Volkert, Inc.  
Springfield, Virginia  
TRAFFIC ENGINEER

NOVA DISTRICT DESIGN UNIT

**P. H. PLANS**

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**TEMPORARY TRAFFIC CONTROL PLAN  
BRIDGE CLOSURE**

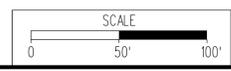


**LEGEND**

- Denotes Barrier
- Ground Mounted Sign
- Type B Warning Light

**NOTES:**

1. R11-2 shall be crashworthy as per the Virginia Work Area Protection Manual, Revision 2 (September 1, 2019).
2. Contractor shall refer to TTC-48.2 in the Virginia Work Area Protection Manual, Revision 2 (September 1, 2019) for setting up work area shown on this sheet.



PROJECT	SHEET NO.
0674-029-358	1K(2)

PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE: VDOT  
 DESIGN BY: Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE: VDOT

# TEMPORARY TRAFFIC CONTROL PLAN

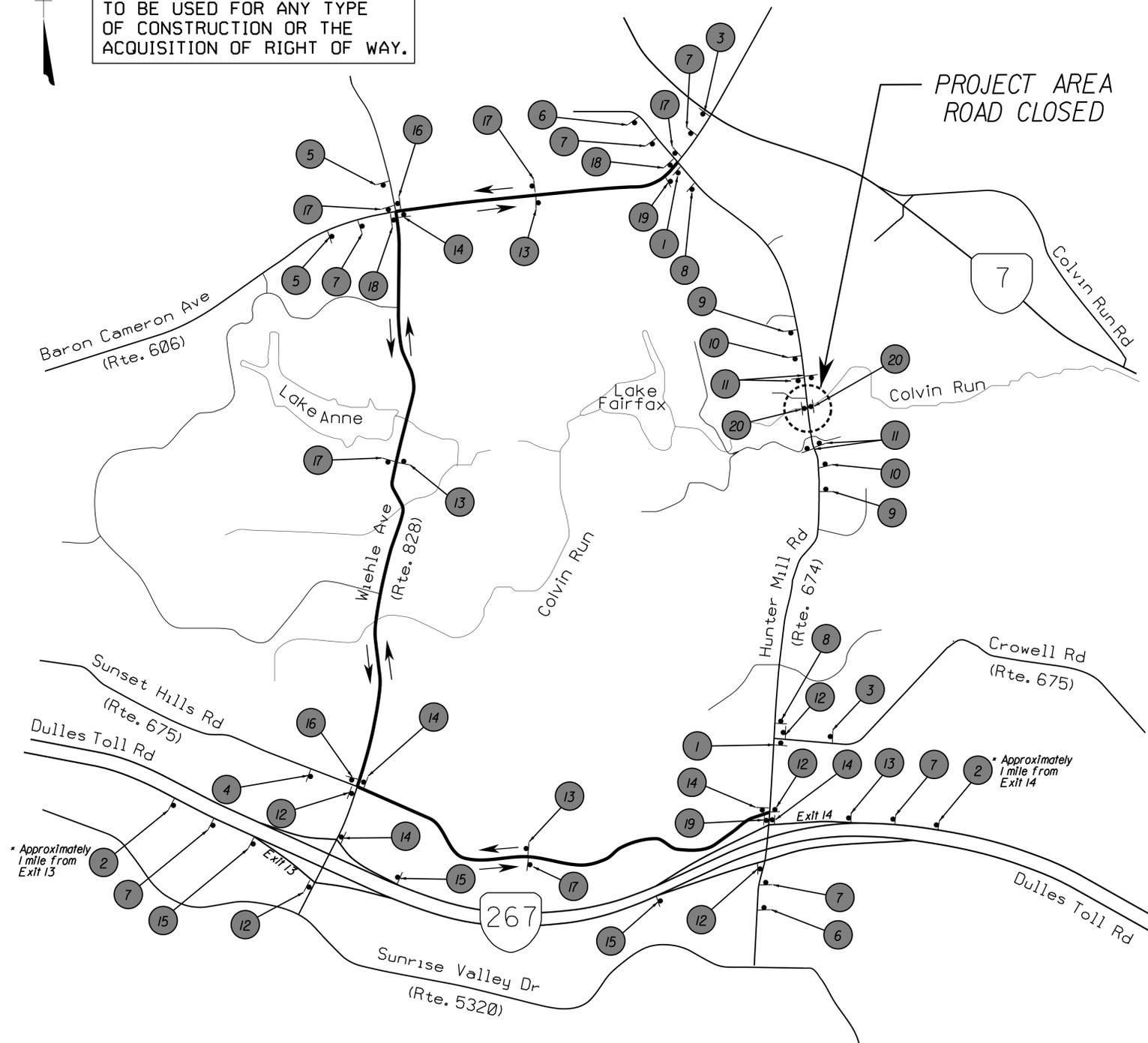
## DETOUR

### P. H. PLANS

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 PI01, B643	1K(3)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Volkert, Inc. Springfield, Virginia TRAFFIC ENGINEER				

NOVA DISTRICT DESIGN UNIT



MAP SIGN NO.	PANEL	SIZE (INCHES)	QUANTITY	SF. TOTAL
1	1 WEEK PRIOR CONSTRUCTION RT674 AT COLVIN RUN TO CLOSE XX/XX/XX	1ST WEEK OF CONSTRUCTION RT674 AT COLVIN RUN CLOSED FOLLOW DETOUR	PCMS 2	NA
2	2 WEEKS PRIOR CONSTRUCTION RT674 AT COLVIN RUN TO CLOSE XX/XX/XX	DURING ROAD CLOSURE RT674 AT COLVIN RUN CLOSED FOLLOW DETOUR	PCMS 2	NA
3	NOTICE RTE 674 HUNTER MILL RD CLOSED IN 1.0 MILE FOLLOW DETOUR		48 x 60 2	40
4	NOTICE RTE 674 HUNTER MILL RD CLOSED IN 2.5 MILES FOLLOW DETOUR		48 x 60 1	20
5	NOTICE RTE 674 HUNTER MILL RD CLOSED IN 2 MILES FOLLOW DETOUR		48 x 60 2	40
6	ROAD CLOSED AHEAD	W20-3	48 x 48 2	32
7	DETOUR AHEAD	W20-2	48 x 48 6	96
8	ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY with type 3 barricade	R11-3a	60 x 30 2	25
9	ROAD CLOSED 1000 FT	W20-3	48 x 48 2	32
10	ROAD CLOSED 500 FT	W20-3	48 x 48 2	32
11	ROAD CLOSED with type 3 barricade	R11-2	48 x 30 4	40

MAP SIGN NO.	PANEL	SIZE (INCHES)	QUANTITY	SF. TOTAL
12	DETOUR NORTH 674	M4-8 M3-1 MI-V2a M6-1L	30 x 15 24 x 12 36 x 36 30 x 21	5 92.5
13	DETOUR NORTH 674	M4-8 M3-1 MI-V2a M6-3	30 x 15 24 x 12 36 x 36 30 x 21	4 74
14	DETOUR NORTH 674	M4-8 M3-1 MI-V2a M6-1R	30 x 15 24 x 12 36 x 36 30 x 21	5 92.5
15	DETOUR NORTH 674	M4-8 M3-1 MI-V2a M6-2R	30 x 15 24 x 12 36 x 36 30 x 21	3 55.5
16	DETOUR SOUTH 674	M4-8 M3-3 MI-V2a M5-2L	30 x 15 24 x 12 36 x 36 30 x 21	2 37
17	DETOUR SOUTH 674	M4-8 M3-3 MI-V2a M6-3	30 x 15 24 x 12 36 x 36 30 x 21	5 92.5
18	DETOUR SOUTH 674	M4-8 M3-3 MI-V2a M6-1R	30 x 15 24 x 12 36 x 36 30 x 21	2 37
19	END DETOUR 674	M4-8a MI-V2a	24 x 18 36 x 36	2 24
20	TRAIL CLOSED with type 3 barricade	R11-2 (MOD)	48 x 30 2	20
TOTAL (SF) = 882				

### LEGEND

- Ground Mounted Sign
- Detour Route
- Traffic Direction

### Notes:

1. Detour sign locations shown are approximate.
2. PCMS sign no. 1 to be installed for two weeks only. Both PCMS units to be installed one week in advance of the construction and during the first week of construction only.
3. PCMS sign no. 2 to be installed two weeks in advance of the scheduled road closure and during the road closure. Both of these PCMS units shall be in offline mode when not in use.
4. The PCMS messages to be displayed are shown in sign no. 1 and 2.

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOJ  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOJ

NOTE: PAVEMENT WIDTHS VARY AT TAPERS.  
 SEE PLAN SHEETS AND CROSS SECTIONS  
 FOR PAVEMENT LENGTHS AND WIDTHS.

# TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	2A

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

Volkert, Inc.  
Springfield, Virginia  
ROADWAY ENGINEER

## P. H. PLANS

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### PRIVATE AND COMMERCIAL ENTRANCES

TYPE I  
Crusher Run Aggr.



6" Crusher Run Aggr. 25 or 26

TYPE II  
Concrete



Concrete Entrance Pavement  
7" HES  
4" Aggr. Base Mat'l. Ty. I No. 21B

TYPE III  
Asphalt



Asphalt Conc. Type  
SM-9.5A @ 220 Lbs. per S.Y.  
4" Aggr. Base Mat'l. Ty. I No. 21B

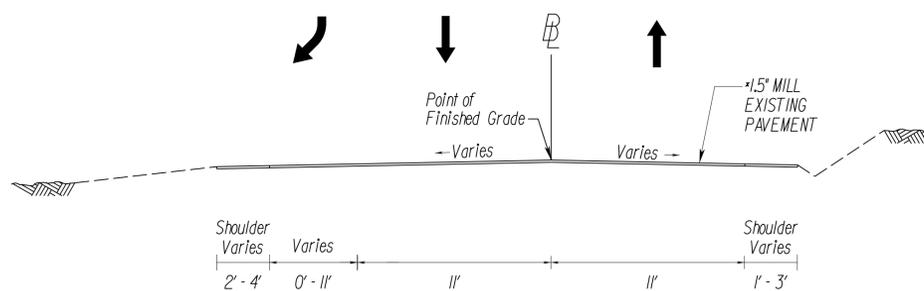
NOT TO SCALE

The type of entrance (I, II, III, IV) to be constructed will be determined by the existing condition at the time of construction.

TYPE IV  
Asphalt Commercial

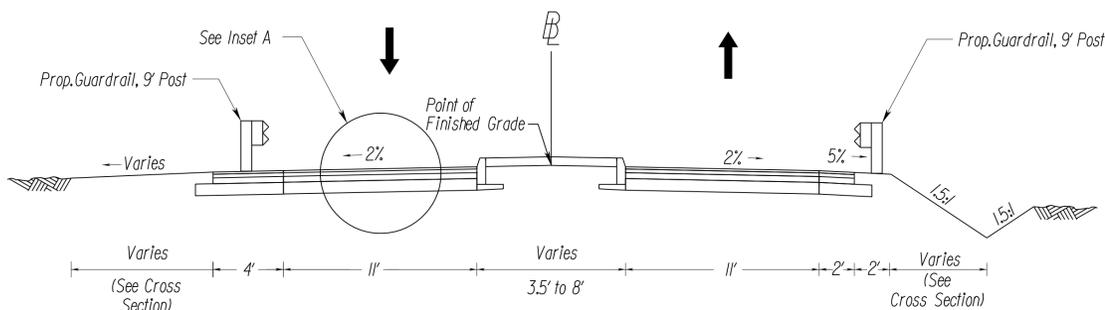


Asphalt Conc. Type  
SM-9.5A @ 165 Lbs. per S.Y.  
4" Asphalt Conc. Base Course BM-25.0  
6" Aggr. Base Mat'l. Ty. I No. 21B

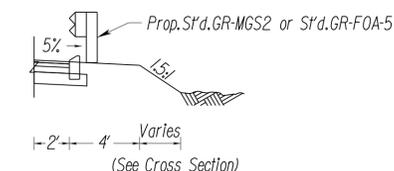


HUNTER MILL ROAD (RTE.674)  
STATION 110+50.00 TO STATION 111+25.00

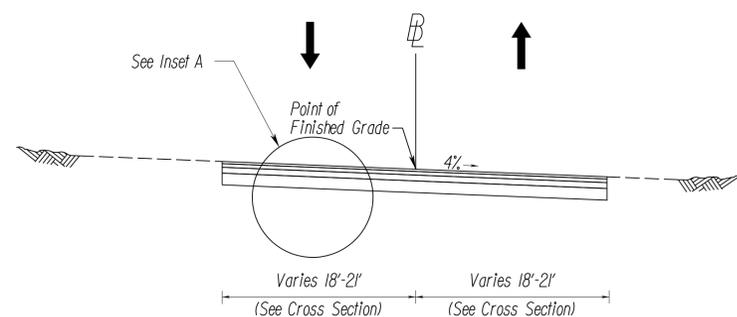
HUNTER MILL ROAD (RTE.674) BRIDGE B-643  
STATION 106+45.00 TO STATION 106+85.00



HUNTER MILL ROAD (RTE.674)  
STATION 105+09.43 TO STATION 106+45.00  
STATION 106+85.00 TO STATION 107+79.20

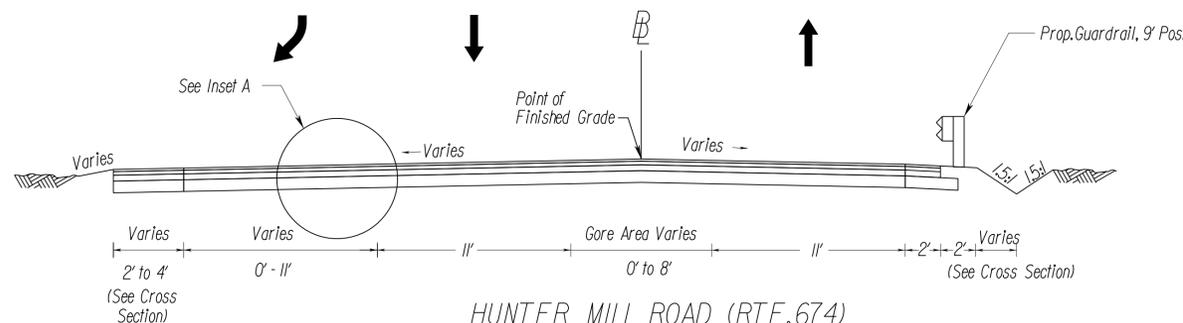


STATION 105+90.25 TO STATION 106+45.00  
STATION 106+85.00 TO STATION 107+12.50



HUNTER MILL ROAD (RTE.674)  
STATION 102+75.00 TO STATION 102+87.33

\*\* Station 102+00 to Station 102+75 - 1.5" MILL AND OVERLAY TO EXISTING PAVEMENT



HUNTER MILL ROAD (RTE.674)  
STATION 102+87.33 TO STATION 105+09.43  
STATION 107+79.20 TO STATION 110+00.00

- 1 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SM-9.5A
- 2 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE IM-19.0A
- 3 4" ASPHALT CONCRETE BASE COURSE TYPE BM-25.0A
- 4 8" AGGREGATE BASE MATERIAL, TYPE I, SIZE NO. 21B

NOT TO SCALE	PROJECT 0674-029-358	SHEET NO. 2A
--------------	-------------------------	-----------------

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

## STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	2C

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

✱ Denotes information that is to be provided/completed by the VDOT RLD.  
 ✱✱ Denotes information that is to be provided/completed by the contractor.

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.

✱✱ 4. The location of on-site support facilities that will be covered under the VPDES Construction Permit coverage for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.

✱✱ 5. Written Evidence of permit coverage shall be provided by the contractor for all support activities located outside of VDOT right of way or easement in the form of the Construction General Permit coverage letter: (List VPDES Permit # or Letter from VSMP Authority stating coverage not needed)

6. List the surface waters that have been identified as impaired in the DEQ 2012 305(b)/303(d) Water Quality Assessment Integrated Report for sediment, total suspended solids, turbidity, Nitrogen or Phosphorus. These pollutants are considered benthic impairments: N/A

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. Colvin Run

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
CHANDRARATNE B. BASNAYAKE	RLD	Certify the SWPPP (with date & sig.)
CHANDRARATNE B. BASNAYAKE	Area Construction Engineer	Sign (C-107) Inspection Form Part 1 & 2

✱ 12. The name of the VDOT individual(s) responsible for the oversight inspection in accordance with IIM-LD-256 on these land disturbance construction activities as identified on these SWPPP General Information Sheets. The names will be updated and maintained with the other SWPPP documents for this land disturbance activity.

VDOT Individuals	Position	Responsibility
MARIAN M. CARROLL	NPDES	NPDES coordinator responsible for the oversight inspection in accordance with IIM-LD-256
PAWAN SARANG	Dist. Hyd. Engineer	District Hydraulic Engineer or designee(s) responsible for the review & the coordination approval of ESC SWM plan modification(s).

✱ 13. The ESC and P2 inspections for this land disturbing (construction) activity shall follow (Select Schedule 1 or 2, if schedule #2 is used, void note #14) as defined in 2016 R&B Specifications except for Section 107.16(e) 4. an Inspection Requirements Rain gauge notes apply only to Inspection Schedule 1.

✱✱ 14. The location of the on-site rain gage that will be used to determine the occurrence of a measurable storm event for the purposes of ESC and Pollution Prevention inspections will be provided by the contractor and identified on the record set of plans or in other appropriate SWPPP documents for this land disturbance activity: (List location of rain gage).

The rain gage shall be observed daily at "\_\_\_\_\_ " to determine the occurrence of a measurable storm event (i.e., 0.25 inches of rainfall or greater in a 24 hour period). A log book shall be maintained to record observation information which shall include (1) the date, (2) the time, (3) whether or not rainfall is occurring at the time of the observation, (4) the amount of accumulated rainfall in the gage, if any, and (5) whether or not an inspection is required based on the amount of accumulated rainfall in the gage. If there is no rainfall occurring at the time of the observation, the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage. If there is rainfall occurring at the time of the observation, the observation information is to be noted in the log book. The rain gage is not to be emptied but left to accumulate additional rainfall until the conclusion of the rainfall event. At the conclusion of the rainfall event, an observation of the rain gage shall be made and the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.

15. The following VDOT documents are applicable to a) permitted projects b) non-permitted projects in Chesapeake Bay Preservation Areas (CBPA) with 2,500 S.F. to 1.0 acre of land disturbance c) non-permitted projects requiring a SWPPP and d) Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP:

- VDOT LD-445: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP and ESC projects > 10,000 s.f. but <1 acre.
- VDOT LD-445A: Permitted projects only.
- VDOT LD-445C: Projects that require a permit, ESC Plan, or SWPPP.
- VDOT LD-445D: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP.
- VDOT LD-445F: Emergency work projects (when applicable).
- Water Quality Requirement (when applicable)
- VDOT LD-445H: Permitted projects only.
- VDOT C-107 Part I and Part II. All projects that require a permit or SWPPP.
- VDOT LD-445I: AS&S Approval Form (when applicable)

16. If there is an excessive loading of sediment from the project (i.e. more than to be expected from the project with an implemented ESC plan) that is discovered within a local watershed with a sediment TMDL that allocates a WLA to VDOT's MS4, (see note #7) the contractor shall investigate the area of concern at the site within 24 hours of discovery and ensure all erosion and sediment control best management practices are being implemented in accordance with the permits approved standards and specifications required by Part I.B of the current Construction General Permit. If corrective action is necessary, the contractor shall initiate corrective actions no later than 5 business days after the initial investigation.

17. If excessive loading of sediment from a land disturbing activity that is not the responsibility of the contractor is discovered discharging into a MS-4, the contractor shall notify the municipality with jurisdiction over erosion and sediment control activities.

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

I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that this document and all other documents related to the SWPPP, as identified on the SWPPP General Information Sheets, are maintained at the activity site, or at a location convenient to the activity site where no on-site facilities are available, and such documents will be made available for review upon request in accordance with the provisions of the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) when applicable. Where the SWPPP documents are not stored on-site, a copy of such documents shall be in the possession of those with day to day operational control over the implementation of the SWPPP whenever they are on site.

\* or \*\* Delegated Authority Signature\*

Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Date: \_\_\_\_\_

(1) See Section 1, Item 11 relating to delegation of authority, and form LD-445H (Delegation of Authority).

### ACRONYMS

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

1. Activity Description - A proposed replacement of the Hunter Mill Road (Route 674) bridge over Colvin Run and improvements to the adjacent roadway.

**2. This land disturbance (construction) activity site is located in Fairfax County and approximately 1.22 acres will be disturbed by excavation, grading or other construction activities.**

3. (Include one of the following notes as appropriate)

A. This proposed activity disturbs one acre or greater and requires coverage under the VPDES General Permit for Discharges Of Stormwater from Construction Activities (the VPDES Construction Permit) as issued by the DEQ. A copy of the VPDES Construction Permit (VAR10), the registration information (LD-445 & LD-445C forms) and the permit coverage letter received from DEQ shall be maintained with other SWPPP documents for this land disturbing activity.

~~B. This proposed activity disturbs less than one acre and is exempt from coverage under the VPDES General Permit for Discharges of Stormwater from Construction Activities (the VPDES Construction Permit) as issued by the DEQ.~~

~~C. This proposed activity is exempt from coverage under the VPDES General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) as issued by the DEQ because it is considered a routine maintenance activity (i.e., the proposed activity is intended to maintain the original line and grade, hydraulic capacity or original construction of the project or involves the paving of an existing roadway with a compacted or impervious surface and the reestablishment of associated ditches and shoulders).~~

### P. H. 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.**

Revised 5/1/19

PROJECT <b>0674-029-358</b>	SHEET NO. <b>2C</b>
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PROJECT MANAGER Vicente S. Valdez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volker, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

## STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	

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 NOVA District Hydraulics Section 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 NOVA 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
N/A	N/A	N/A	N/A

- (1) Type of modification (Variance from ESC regulations, or Deviation from published guidance)  
 (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)  
 (3) Date that variance/exception/deviation was approved by DEQ.

### SECTION III POST CONSTRUCTION STORMWATER MANAGEMENT

Choose the appropriate note 1A or 1B that is applicable to the proposed post construction SWM Plan for this land disturbance (construction) activity. (Delete, strike through or mark as NA those notes not applicable.)

1. (Include one of the following notes as appropriate)

- X ~~A. This land disturbance activity is grandfathered under Section 9VAC25-870-48 of the VSMP Regulations and utilizes the Part IIC technical criteria (i.e., Performance or Technology Based, MS 19, etc.) in Section 9VAC25-870-93 et seq. of the VSMP Regulations.~~
- X B. 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

- (1) Type of modification (Variance, or Exception from SWM Regulations or Deviation from published guidance)  
 (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)  
 (3) Date that variance/exception/deviation was approved by DEQ.

4. The permanent onsite SWM facilities or offsite strategies proposed to meet the water quality/quantity requirements for this land disturbance (construction) activity are listed in Section VI.

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

~~5. A description of all post construction stormwater management measures that will be installed during the construction process to control pollutants in stormwater discharges after construction operations have been completed is included in the construction plan set (or other such documents) for this land disturbance (construction) activity.~~

6. All engineering calculations supporting the design of the post-construction stormwater management measures for this land disturbance (construction) activity, including an explanation of the technical basis used to select the practices, are contained in the project drainage file located in the VDOT NOVA District Hydraulics Section and will be made available for review upon request during normal working business hours.

### 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

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

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Revised 5/1/19

PROJECT	SHEET NO.
0674-029-358	2C(1)

NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER Vicente S. Valdez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

## STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	2C(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

1. The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are prohibited:
  - a. Wastewater from concrete washouts.
  - b. Wastewater from the washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials.
  - c. Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
  - d. Oils, toxic substances or hazardous substances from spills or other releases.
  - e. Soaps, solvents or detergents used in equipment and vehicle washing.
  - f. There shall be no discharge of floating solids or visible foam in other than trace amounts.
2. The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are allowed when discharged in compliance with the VPDES Construction Permit:
  - a. Discharges from fire fighting activities.
  - b. Fire hydrant flushings.
  - c. Waters used to wash vehicles or equipment where soaps, solvents or detergents have not been used and the wash water has been filtered, settled or similarly treated prior to discharge.
  - d. Water used to control dust that has been filtered, settled or similarly treated prior to discharge.
  - e. Potable water sources including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
  - f. Routine external building wash down where soaps, solvents or detergents have not been used and the wash water has been filtered, settled or similarly treated prior to discharge.
  - g. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (or where all spilled or leaked material has been removed prior to washing), where soaps, solvents or detergents have not been used and where the wash water has been filtered, settled or similarly treated prior to discharge.
  - h. Uncontaminated air conditioning or compressor condensate.
  - i. Uncontaminated ground water or spring water.
  - j. Foundation or footing drains where flows are not contaminated with process materials such as solvents.
  - k. Uncontaminated excavation dewatering, including dewatering trenches and excavations that have been filtered, settled or similarly treated prior to discharge.
  - l. Landscape irrigation.

✖✖ 3. The contractor shall develop a Pollution Prevention Plan to address any of his on-site operations that have a potential to generate a pollutant that may reasonably be expected to affect the quality of stormwater discharges from this land disturbance (construction) activity. The Pollution Prevention Plan shall be developed in accordance with, but not limited to, Sections 106.08, 107.02 and 107.16 of the VDOT Road and Bridge Specifications and shall include a narrative with appropriate plan detail and shall be provided on standard 8.5 x 11 inch paper or larger and shall:

- a. Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
- b. Describe the location where the potential pollutant-generating activities will occur, or if identified on the record set of plans, reference the record set of plans.
- c. Identify all non-stormwater discharges, as described in note two of this section, that are or will be commingled with stormwater discharges from the construction activity, including any on-site support activities.
- d. Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practice or practices for each pollutant-generating activity.
- e. Describe the pollution prevention practices and procedures that will be implemented to:
  - 1) Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107.16 of the VDOT Road and Bridge Specifications and the requirements within the VPDES Construction Permit.

- 2) Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
- 3) Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
- 4) Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
- 5) Direct concrete wash water into a leak-proof container or leak-proof settling basin. The container or basin shall be designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wash waters and shall not be discharged to surface waters.
- 6) Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
- 7) Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
- 8) Address any other discharge from any potential pollutant-generating activity not listed herein.
- 9) Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
- 10) Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.

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

P. H. 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.

Revised 5/1/19

PROJECT 0674-029-358	SHEET NO. 2C(2)
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NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER Vicente S. Valdez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

## STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

P. H. 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.

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 PIOI, B643	2C(3)

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 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.

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.

### SECTION VI - PERMANENT BMP INFORMATION $\Delta$

\* 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)
				LAT	LONG			

#### Perpetual Nutrient Credits Acquired for Project

Name of Nutrient Credit Generating Entity (6)	Nutrient Credits (lbs./TP./year) Acquired (6) (12)
TBD	0.39

$\Delta$  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:
- (1) In decimal degrees to the nearest one ten-thousandth of a degree.
  - (2) For streams with no names, list "(Unnamed Tributary to downstream name)".
  - (3) Show acres treated to the nearest one hundredths acre.
  - (4) Include agreements with off-site BMP owners.
  - (5) Information pertains to the alternative BMP option location, where applicable. Exception - Not required for nutrient credit purchase option.
  - (6) Applies to the purchase of nutrient credits only.
  - (7) Virginia 6th Order HUC (VAHU6) Example - Y030.
  - (8) Final approved shop drawings of Manufactured Treatment Devices (MTDs) are to be included with the BMP information submitted with the LD-445D form.
  - (9) List the name of any impaired water to which the BMP discharges. The determination of impaired water shall be based on those streams listed as impaired in the DEQ 2012 305(b)/303(d) Water Quality Assessment Integrated Report and shall be the first named waterbody to which the BMP discharges. The impaired waters are those impaired by sediment, total suspended solids, turbidity, nitrogen or phosphorus.
  - (10) BMP Maintenance ID Number is to be assigned by the District Maintenance Division at permit termination or project completion. This ID number shall be assigned prior to the permit close out process and entered by the area construction engineer under this column, per IIM-LD-95

- (11) Provide the section of each Maintenance manual that pertains to the type of BMP. Both manuals can be found at [www.vdot.virginia.gov/business/manuals](http://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.
- (12) Nutrient credits purchased to the nearest one hundredth pound.

Revised 5/1/19

PROJECT 0674-029-358	SHEET NO. 2C(3)
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NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	2D
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Volkert, Inc. Springfield, Virginia HYDRAULIC ENGINEER				

# EROSION AND SEDIMENT CONTROL NARRATIVE

## PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF REPLACING THE EXISTING ROUTE 674 (HUNTER MILL ROAD) BRIDGE OVER COLVIN RUN IN FAIRFAX COUNTY, VIRGINIA. THE PROPOSED WORK ALSO INCLUDES CHANGING THE EXISTING ONE WAY 16' WIDE LANE WITH TWO WAY 11' WIDE LANE AND 3' WIDE GRASS MEDIAN. THE TOTAL DISTURBED ACREAGE FOR THE PROJECT IS 1.22 ACRES.

## EXISTING SITE CONDITION

THE EXISTING SITE IS LOCATED IN FAIRFAX COUNTY ALONG ROUTE 674 BETWEEN CHAMBERLAIN DRIVE AND MT. SNAPEE ROAD. THE EXISTING APPROACH ROADWAY IS APPROXIMATELY 20' WIDE. THE BRIDGE IS 28' LONG AND 18' WIDE WITH TIMBER DECK AND MULTI-BEAM STEEL GIRDERS. THE SHEET FLOW FROM THE ROADWAY IS COLLECTED BY DITCH & DISCHARGED TO COLVIN RUN.

## ADJACENT PROPERTIES

THE PROJECT SITE IS LOCATED PRIMARILY IN RESIDENTIAL NEIGHBORHOODS AND SURROUNDED BY GRASS AND TREE COMBINATIONS.

## EROSION AND SEDIMENT CONTROL MEASURES

TEMPORARY SILT FENCE (SF)-STD 3.05: IS PROPOSED THROUGHOUT THE PROJECT SITE AS SEDIMENT TRAPPING DEVICE. SF IS PLACED AT THE TOE OF SLOPE, OR AS A PERIMETER PROTECTION MEASURE.

CHECK DAMS (CD) -STD 3.20: IS PROPOSED TO REDUCE THE VELOCITY OF CONCENTRATED STORMWATER FLOWS, AND EROSION OF THE SWALE OR DITCH.

TURBIDITY CURTAIN (TC) -STD 3.27: IS PROPOSED TO PROTECT THE STREAM FROM SEDIMENT DURING EXISTING BRIDGE DEMOLITION AND CONSTRUCTION OF NEW BRIDGE.

DUST CONTROL -STD 3.39: REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES, BY SPRAYING FROM A WATER TRUCK OR OTHER APPROVED METHOD.

## MANAGEMENT STRATEGIES / SEQUENCE OF CONSTRUCTION

THE PROJECT WILL BE CONSTRUCTED ACCORDING TO THE "SEQUENCE OF CONSTRUCTION" DETAILED ON SHEETS 1K-1K(4). ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN TWO PHASES. DURING PHASE I, HALF OF THE PROPOSED BRIDGE WILL BE CONSTRUCTED. DURING PHASE II, THE EXISTING BRIDGE WILL BE DEMOLISHED AND THE REMAINING HALF OF THE PROPOSED BRIDGE WILL BE BUILT.

SEDIMENT CONTROL PROGRAM (PHASE I)  
INSTALL TURBIDITY CURTAIN, DIVERSION DIKE AND PERIMETER CONTROLS AS SHOWN ON THE PHASE I PLAN

SEDIMENT CONTROL PROGRAM (PHASE II)  
INSTALL CHECK DAMS AND ROLLED EROSION CONTROL EC-2 AND KEEP THE PERIMETER CONTROLS AND THE TURBIDITY CURTAIN INSTALLED IN PHASE I

SHEET NUMBERS  
SHEET 2D(1), 2D(2), 2D(3) AND 2D(4)

## PERMANENT/TEMPORARY STABILIZATION

THE PROPOSED GRADING SHOULD MATCH THE EXISTING GRADE UNLESS OTHERWISE MENTIONED ON THE E&S PLANS. ONCE THE GRADING HAS BEEN COMPLETED, THE CONTRACTOR WILL UTILIZE SAME DAY STABILIZATION MATTING AND WILL SEED. ONCE GRASS IS ESTABLISHED, THE CONTRACTOR WILL REMOVE THE SILT FENCE IN THAT PARTICULAR AREA. SEEDING SHALL MEET VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND FAIRFAX COUNTY REQUIREMENTS FOR THE PROJECT.

## MAINTENANCE OF ESC MEASURES

THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL MEASURES TO PREVENT SOIL FROM ERODING ONTO ADJACENT PROPERTY, STREETS, DRAINAGE SYSTEMS AND WATERWAYS. ALL INSPECTIONS AND MAINTENANCE ACTIVITIES SHALL BE DOCUMENTED AND AVAILABLE FOR REVIEW AT THE STAKEHOLDER REQUEST. IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THE FOLLOWING MEASURES WILL BE CHECKED:

### SILT FENCE:

-SILT FENCE SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

-CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.

-SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

-SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

-ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

### CHECK DAMS:

- SHOULD BE CHECKED FOR SEDIMENT ACCUMULATION AFTER EACH RUNOFF-PRODUCING STORM EVENT. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES ONE HALF OF THE ORIGINAL HEIGHT OF THE MEASURE.

- REGULAR INSPECTIONS SHOULD BE MADE TO INSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES. EROSION CAUSED BY HIGH FLOWS AROUND THE EDGES OF THE DAM SHOULD BE CORRECTED IMMEDIATELY.

### TURBIDITY CURTAIN:

-SHOULD REPAIRS TO THE GEOTEXTILE FABRIC BECOME NECESSARY, THERE ARE REPAIR KITS AVAILABLE FROM THE MANUFACTURERES; MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED TO ENSURE THE ADEQUACY OF THE REPAIR.

-WHEN THE CURTAIN IS NO LONGER NEEDED, AS DETERMINED BY THE INSPECTOR, THE CURTAIN AND RELATED COMPONENTS SHALL BE REMOVED IN SUCH A MANNER AS TO MINIMIZE TURBIDITY. REMAINING SEDIMENT SHALL BE SUFFICIENTLY SETTLED BEFORE REMOVING THE CURTAIN. SEDIMENT MAY BE REMOVED AND THE ORIGINAL DEPTH (OR PLAN ELEVATION) RESTORED.

### SEEDING

-SEEDED AREAS SHALL BE CHECKED REGULARLY TO ASSURE A GOOD STAND OF GRASS IS BEING MAINTAINED. AREAS THAT FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION SHALL BE RE-SEEDED AS SOON AS THEY ARE IDENTIFIED.

## STORMWATER MANAGEMENT CONSIDERATIONS

BECAUSE THE LIMIT OF DISTURBANCE FOR THE PROJECT (1.22AC) IS GREATER THAN 1.0AC, STORMWATER MANAGEMENT PLANS ARE REQUIRED FOR THE PROJECT BASED ON VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) PART IIB TECHNICAL CRITERIA. THE WATER QUALITY REQUIREMENT OF THE PROJECT WILL BE ADDRESSED BY PURCHASING NUTRIENT CREDIT WHILE THE WATER QUANTITY REQUIREMENT WILL BE MET USING THE ONE PERCENT RULE. THE DETAIL INFORMATION WILL BE DOCUMENTED IN STORMWATER MANAGEMENT REPORT.

## NOTES

- ALL LAND CONSERVATION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- NO DISTURBED AREA WILL REMAIN DENUDED FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY VDOT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED AREA TO BE THOSE REQUIRED FOR THE PERIMETER CONTROLS.
- CONTRACTOR SHALL EVALUATE THE SITE TO DETERMINE EXTENSIVE CUT AND FILL AREAS AND SHALL WORK THOSE AREAS TO GRADE AND TO STABILIZE, BY TEMPORARY OR PERMANENT VEGETATION, THESE DISTURBED AREAS PRIOR TO BEGINNING WORK IN OTHER AREAS.
- MATERIALS AND METHODS USED IN CONSTRUCTION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL MEASURES REQUIRED SHALL BE CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS IN CHAPTER 3 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) AS WELL AS ANY OTHER STATE OR COUNTY STANDARDS AND REGULATIONS.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS DETERMINED BY THE PROJECT ESC MANAGER.
- THE VDOT INSPECTOR SHALL HAVE THE AUTHORITY TO DIRECT THE ADDITION OR DELETION OF EROSION AND SEDIMENT CONTROLS AS SITE CONDITIONS WARRANT.

P. H. 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.

PROJECT MANAGER Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOJ  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOJ

# EROSION & SEDIMENT CONTROL PLAN PHASE 1

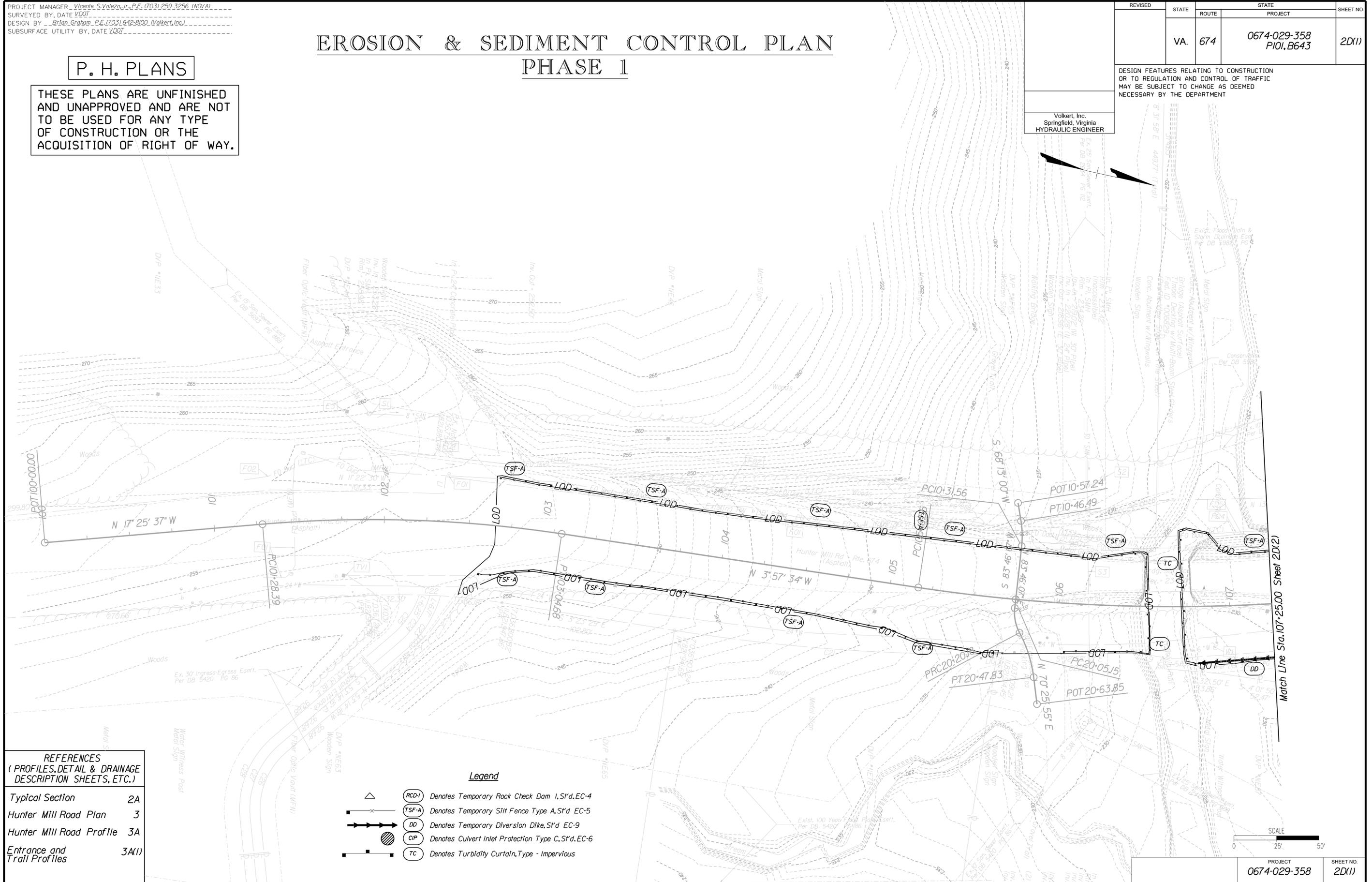
## P. H. PLANS

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REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	2D(1)

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

Volkert, Inc.  
Springfield, Virginia  
HYDRAULIC ENGINEER



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

Typical Section	2A
Hunter Mill Road Plan	3
Hunter Mill Road Profile	3A
Entrance and Trail Profiles	3A(1)

**Legend**

△	(RCD-A)	Denotes Temporary Rock Check Dam 1, S1'd, EC-4
—x—	(TSF-A)	Denotes Temporary Silt Fence Type A, S1'd EC-5
—>>>	(DD)	Denotes Temporary Diversion Dike, S1'd EC-9
●	(CIP)	Denotes Culvert Inlet Protection Type C, S1'd, EC-6
— —	(TC)	Denotes Turbidity Curtain, Type - Impervious



NOVA DISTRICT DESIGN UNIT

Match Line Sta. 107+25.00 Sheet 2D(2)

PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE: VDOT  
 DESIGN BY: Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE: VDOT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	2D(2)

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

Volkert, Inc.  
Springfield, Virginia  
HYDRAULIC ENGINEER

# EROSION & SEDIMENT CONTROL PLAN PHASE 1

## P. H. PLANS

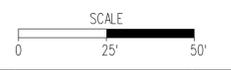
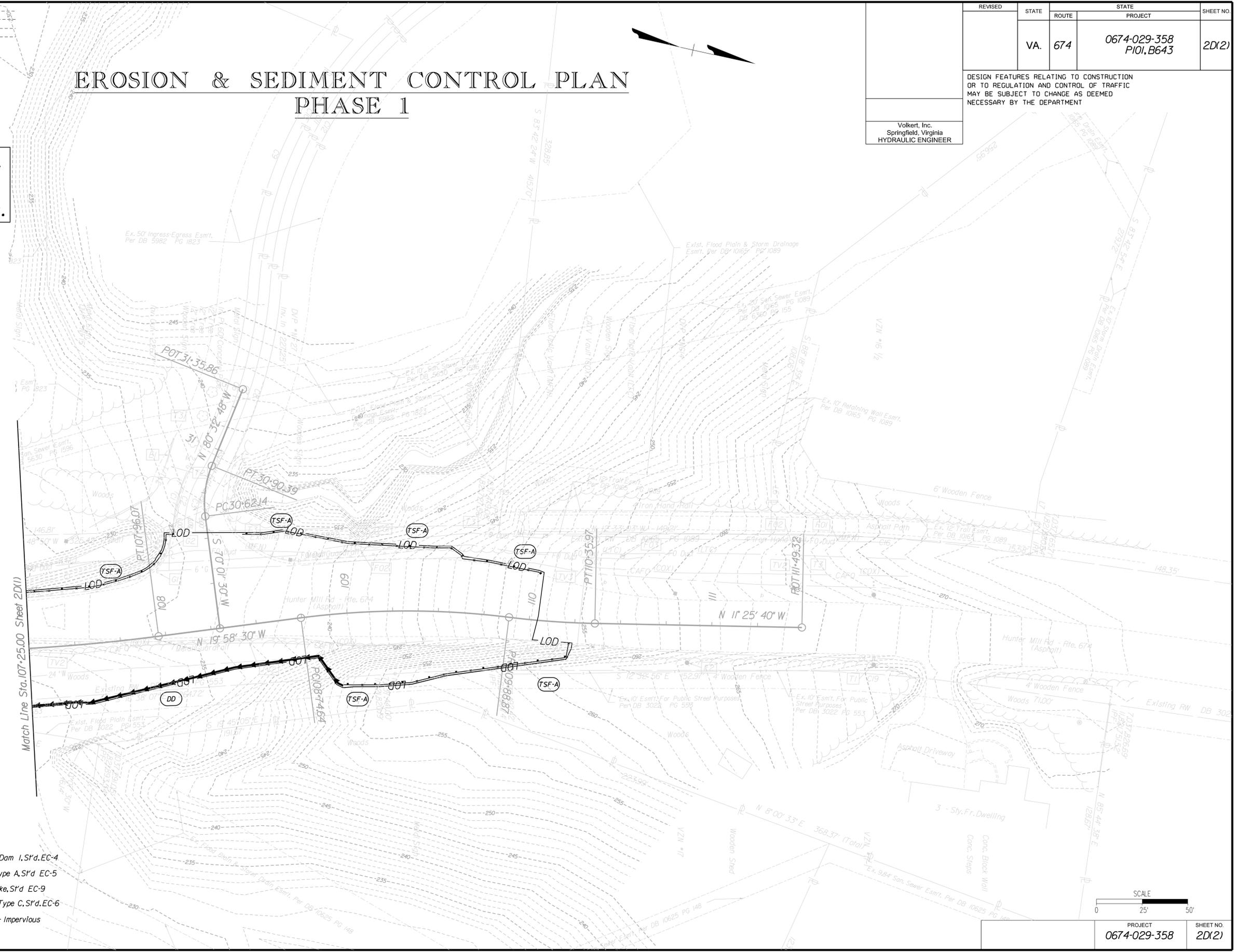
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

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

Typical Section	2A
Hunter Mill Road Plan	4
Hunter Mill Road Profile	4A

### Legend

- (RCD) Denotes Temporary Rock Check Dam 1, S'd, EC-4
- (TSF-A) Denotes Temporary Silt Fence Type A, S'd, EC-5
- (DD) Denotes Temporary Diversion Dike, S'd, EC-9
- (CIP) Denotes Culvert Inlet Protection Type C, S'd, EC-6
- (TC) Denotes Turbidity Curtain, Type - Impervious



PROJECT	0674-029-358	SHEET NO.	2D(2)
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PROJECT MANAGER Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 PI01, B643	2E

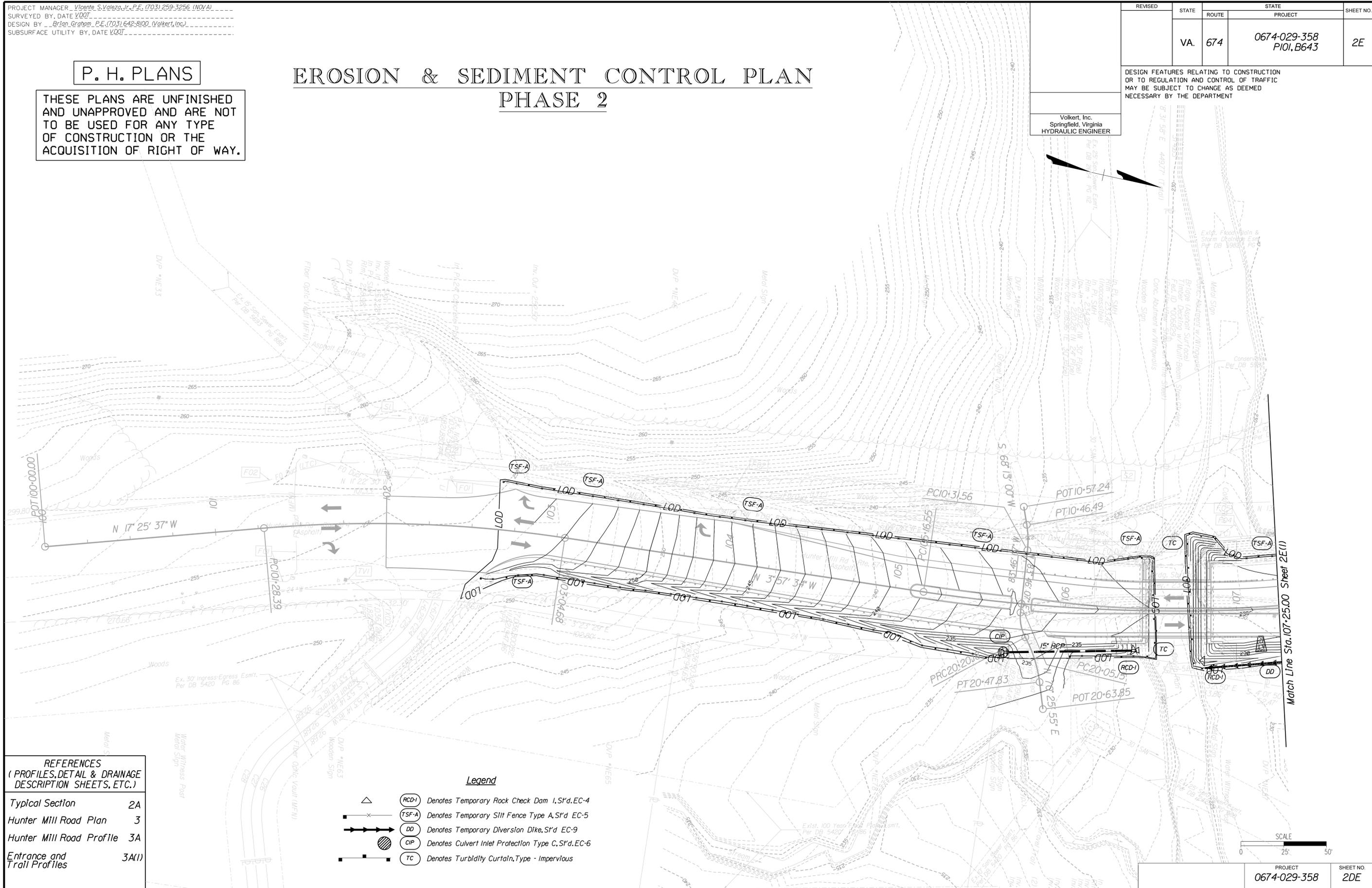
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Volkert, Inc.  
Springfield, Virginia  
HYDRAULIC ENGINEER

# P. H. PLANS

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# EROSION & SEDIMENT CONTROL PLAN PHASE 2



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

Typical Section	2A
Hunter Mill Road Plan	3
Hunter Mill Road Profile	3A
Entrance and Trail Profiles	3A(1)

**Legend**

	RCD-1	Denotes Temporary Rock Check Dam I, S'd EC-4
	TSF-A	Denotes Temporary Silt Fence Type A, S'd EC-5
	DD	Denotes Temporary Diversion Dike, S'd EC-9
	CIP	Denotes Culvert Inlet Protection Type C, S'd EC-6
	TC	Denotes Turbidity Curtain, Type - Impervious



PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
SURVEYED BY, DATE: VDOT  
DESIGN BY: Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
SUBSURFACE UTILITY BY, DATE: VDOT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	2E(1)

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

Volkert, Inc.  
Springfield, Virginia  
HYDRAULIC ENGINEER

# EROSION & SEDIMENT CONTROL PLAN PHASE 2

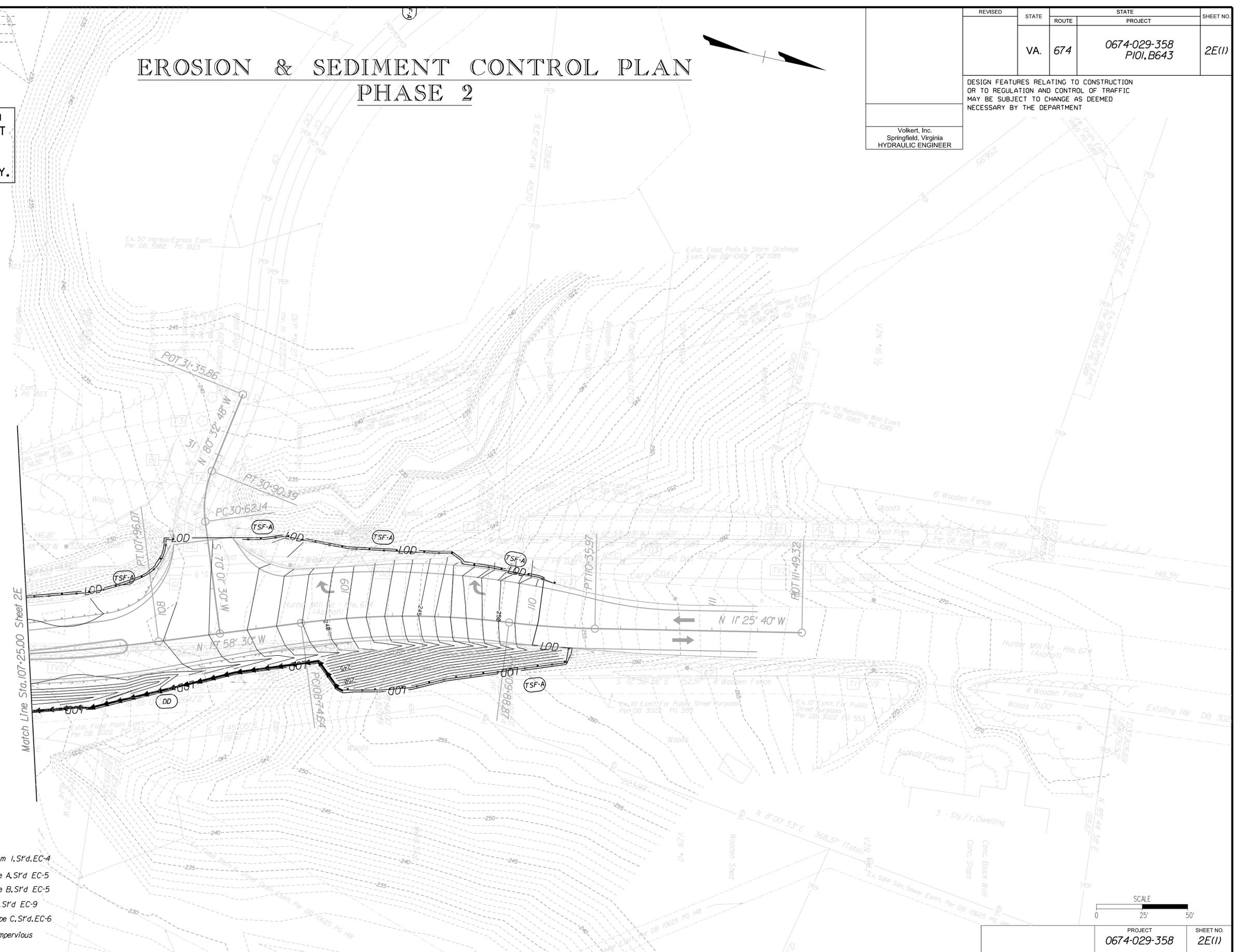
## P. H. PLANS

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

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Typical Section	2A
Hunter Mill Road Plan	4
Hunter Mill Road Profile	4A

### Legend

- (RCD-1) Denotes Temporary Rock Check Dam I, S'd. EC-4
- (TSF-A) Denotes Temporary Silt Fence Type A, S'd. EC-5
- (TSF-B) Denotes Temporary Silt Fence Type B, S'd. EC-5
- (DD) Denotes Temporary Diversion Dike, S'd. EC-9
- (CIP) Denotes Culvert Inlet Protection Type C, S'd. EC-6
- (TC) Denotes Turbidity Curtain, Type - Impervious



PROJECT	SHEET NO.
0674-029-358	2E(1)

PROJECT MANAGER Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
SURVEYED BY, DATE VDOJ  
DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
SUBSURFACE UTILITY BY, DATE VDOJ

**LEGEND**

- Note:** Dot-dashed lines denote permanent easements.
- Note:** Dot-dot-dashed lines denote temporary easements.
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills
- Denotes New Pavement
- Denotes Mill and Overlay
- Denotes Demolition of Pavement
- Denotes New Gravel
- Denotes S1'd. GR-MGSI Req'd
- Denotes S1'd. Rad. GR-MGSI Req'd
- Denotes S1'd. GR-MGS2 Terminal Treatment Req'd
- Denotes S1'd. GR-MGS2, TL-2 Terminal Treatment Req'd
- Denotes S1'd. GR-FOA-5 Req'd
- Denotes Full Depth Saw Cut Req'd
- Denotes S1'd. CG-3 Curb Req'd
- Denotes S1'd. MS-1 Req'd
- Denotes S1'd. MS-2 Req'd
- Denotes Remove Existing

- 1**  
Curve HUNTERMILLROA\_3  
PI • 102.16.95  
DELTA • 13° 28' 02.14" (RT)  
D • 7' 38' 22"  
T • 88.55'  
L • 176.29'  
R • 750.00'  
PC • 101.28.39  
PT • 103.04.68
- 2**  
Curve HUNTERMILLROA\_6  
PI • 106.57.23  
DELTA • 16° 00' 55.16" (LT)  
D • 5' 43' 46"  
T • 140.68'  
L • 279.52'  
R • 1,000.00'  
PC • 105.16.55  
PT • 107.96.07
- 3**  
Curve HUNTERMILLROA\_9  
PI • 109.32.06  
DELTA • 14° 32' 39.98" (RT)  
D • 12' 43' 57"  
T • 57.42'  
L • 114.23'  
R • 450.00'  
PC • 108.74.64  
PT • 109.88.87
- 4**  
Curve TRAIL\_1\_3  
PI • 10.39.07  
DELTA • 15° 33' 06.79" (LT)  
D • 104' 10' 27"  
T • 7.51'  
L • 14.93'  
R • 55.00'  
PC • 10.31.56  
PT • 10.46.49
- 5**  
Curve TRAIL\_2\_3  
PI • 20.12.90  
DELTA • 34° 27' 36.77" (LT)  
D • 229' 10' 59"  
T • 7.75'  
L • 15.04'  
R • 25.00'  
PC • 20.05.15  
PT • 20.20.18
- 6**  
Curve TRAIL\_2\_4  
PI • 20.34.17  
DELTA • 21° 07' 25.40" (RT)  
D • 76' 23' 40"  
T • 13.98'  
L • 27.65'  
R • 75.00'  
PC • 20.20.18  
PT • 20.47.83

**Utility Owners:**

**Cable Television:**  
Comcast (CMC)  
324 West Main Street  
Charlottesville, VA 22901  
Contact: Doug Wright  
Telephone: 434-951-3843  
E-mail: douglas\_wright@comcast.com

Cox Communications (COX)  
3080 Centreville Road  
Herndon, VA 20171  
Contact: Joshua Arnold  
Telephone: 703-480-5157  
E-mail: joshua.arnold@cox.com

**Electric:**  
Dominion Virginia Power Distribution (DOM)  
(Automated request/delivery of records via e-mail)  
E-mail: facilitylocate.request@dom.com

**Fiber Optic:**  
Level 3 Communications (LTC)  
1025 El Dorado Boulevard  
Broomfield, CO 80021  
Contact: Patrick Provost  
Telephone: 720-888-4686  
E-mail: patrick.provost@level3.com

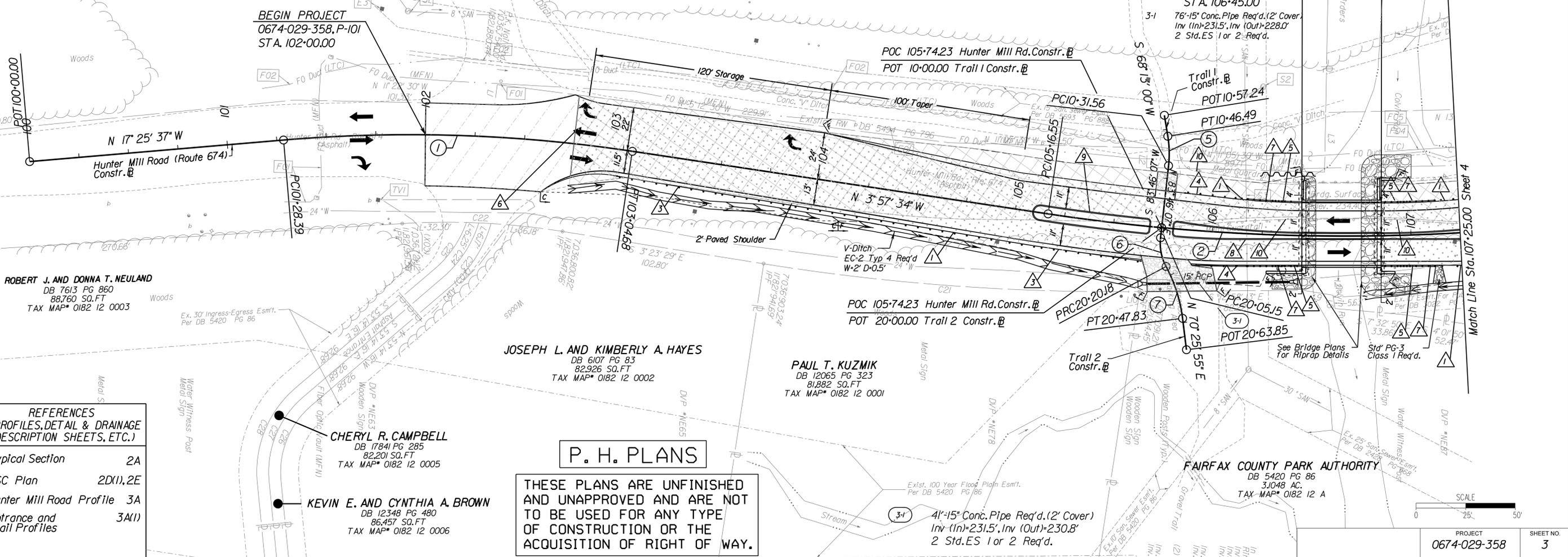
ZAYO Communications (ZAY)  
13861 Sunrise Valley Drive, Suite 450  
Herndon, VA 20171  
Contact: Brad Leatherman  
Telephone: 703-928-0649  
E-mail: bradley.leatherman@zayo.com

**Gas:**  
Washington Gas (WGL)  
6801 Industrial Road  
Springfield, VA 22151  
Contact: William Mazzoli  
Telephone: 703-750-5184  
E-mail: wamazzoli@washgas.com

**Sanitary Sewer:**  
Fairfax County (FCU)  
12000 Government Center Parkway  
Fairfax, VA 22035  
Contact: Michael Sallost  
Telephone: 703-289-6249  
E-mail: michael.sallost@fairfaxcounty.gov

**Telephone:**  
Verizon (VZN)  
502 E. Piedmont Street  
Culpeper, VA 22701  
Contact: Lenwood Turner  
Telephone: 540-829-2640  
Email: lenwood.turner@verizon.com

**Water:**  
Fairfax County (FCW)  
8560 Arlington Boulevard  
Fairfax, VA 22031  
Contact: Adam Kuch  
Telephone: 703-289-6249  
E-mail: akuch@fairfaxwater.org



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

Typical Section	2A
ESC Plan	2D(1), 2E
Hunter Mill Road Profile	3A
Entrance and Trail Profiles	3A(1)

**CHERYL R. CAMPBELL**  
DB 17841 PG 285  
82,201 SQ.FT  
TAX MAP# 0182 12 0005

**KEVIN E. AND CYNTHIA A. BROWN**  
DB 12348 PG 480  
86,457 SQ.FT  
TAX MAP# 0182 12 0006

**P. H. 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.

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	3

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

**ROBERT F. AND MARY E. TAYLOR**  
DB 9760 PG 800  
62,595 SQ.FT  
TAX MAP# 0182 14 0005

**BEGIN PROJECT**  
0674-029-358, B-643  
STA. 106+45.00

76'-15" Conc. Pipe Req'd. (2' Cover)  
Inv (In)=231.5', Inv (Out)=228.0'  
2 Std. ES 1 or 2 Req'd.



PROJECT	0674-029-358
SHEET NO.	3

PROJECT MANAGER Vicente S. Voleza, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE V.DOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE V.DOT

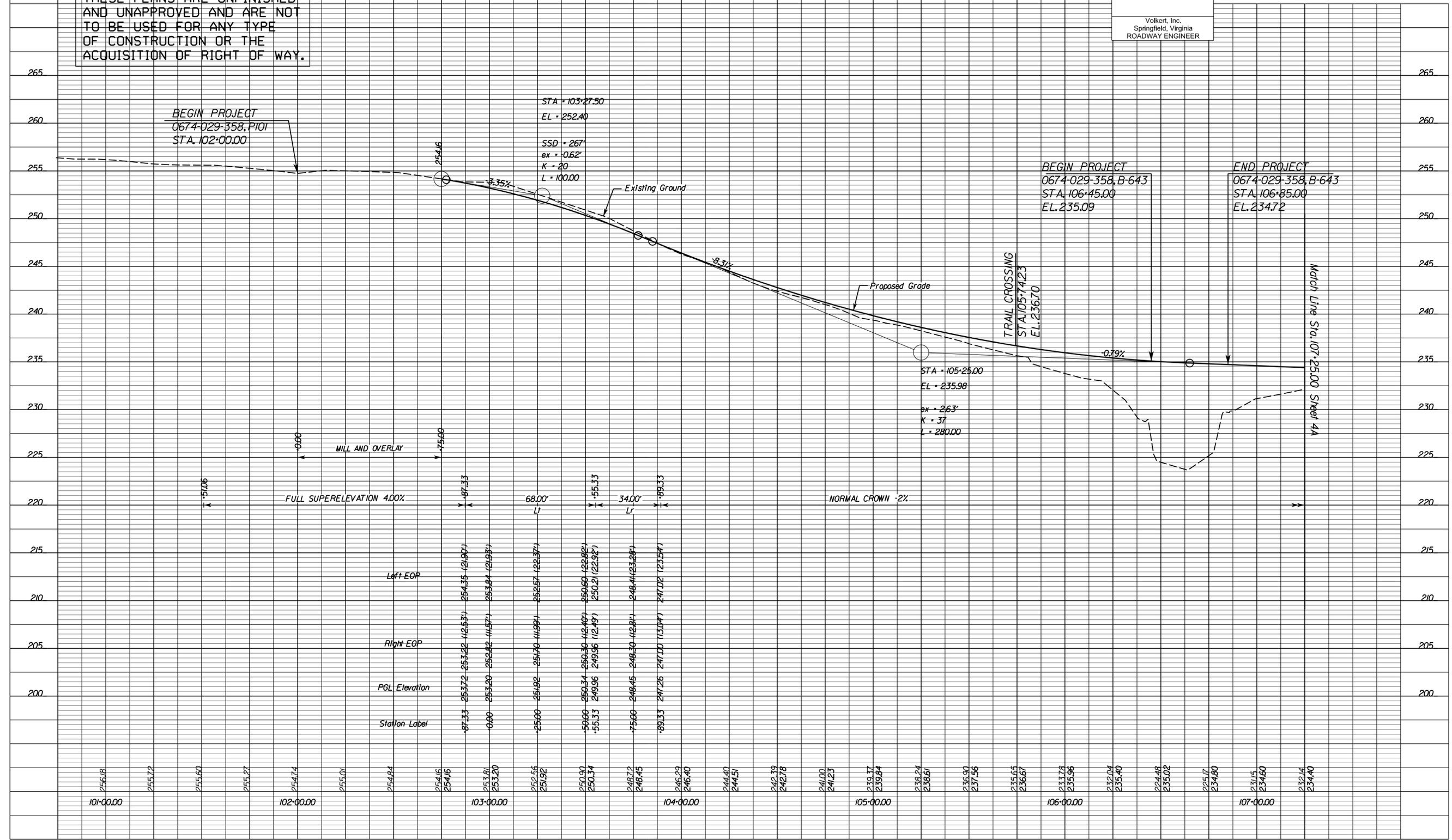
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	674		0674-029-358 PI01, B643	3A

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

Volkert, Inc.  
Springfield, Virginia  
ROADWAY ENGINEER

# P. H. PLANS HUNTER MILL ROAD (ROUTE 674) STA 100+00.00 TO 107+25.00

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



NOVA DISTRICT DESIGN UNIT

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703)259-3256 (NOVA)  
 SURVEYED BY, DATE V.DOT  
 DESIGN BY Brian Graham, P.E. (703)642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE V.DOT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	674		0674-029-358 P101, B643	3A(1)

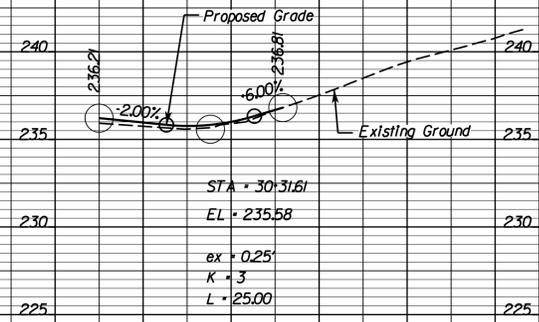
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Volkert, Inc.  
Springfield, Virginia  
ROADWAY ENGINEER

NOVA DISTRICT DESIGN UNIT

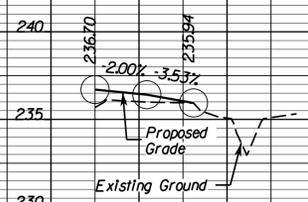
### ENTRANCE 3

ENT 108-29.92 LI  
MOD. PE-I, TYPE III  
SHEET 4



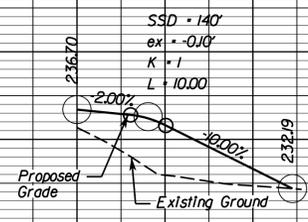
### TRAIL 1

STA = 10+14.72  
EL = 236.41



### TRAIL 2

STA = 20+20.24  
EL = 236.30



### P. H. 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.

235.92  
236.21  
30+00.00

235.59  
235.77

236.67  
236.68

238.49

240.00  
31+00.00

235.68  
236.70  
10+00.00

235.95  
236.04

235.10

235.68  
236.70  
20+00.00

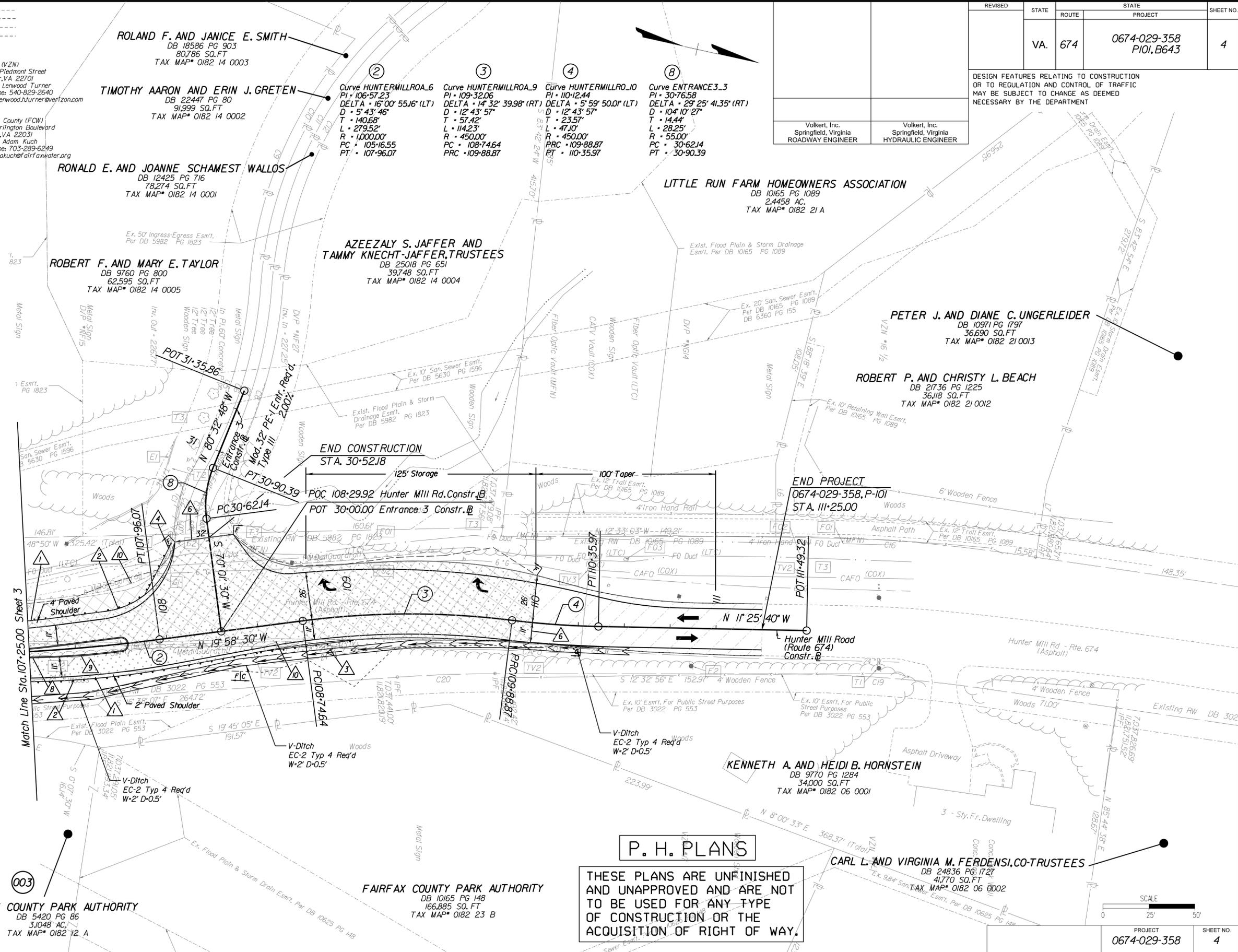
232.96  
235.82

232.35  
233.32



PROJECT MANAGER: Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
SURVEYED BY, DATE: VDOT  
DESIGN BY: Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
SUBSURFACE UTILITY BY, DATE: VDOT

- Utility Owners:
- Cable Television:** Comcast (CMC), 324 West Main Street, Charlottesville, VA 22901. Contact: Doug Wright, Telephone: 434-951-3843, E-mail: douglas.wright@comcast.com
  - Cox Communications (COX):** 3080 Centerville Road, Herndon, VA 20171. Contact: Joshua Arnold, Telephone: 703-480-5157, E-mail: joshua.arnold@cox.com
  - Electric:** Dominion Virginia Power Distribution (DOM), (Automated request/delivery of records via e-mail) E-mail: facilitylocatorrequest@dom.com
  - Fiber Optic:** Level 3 Communications (LTC), 1025 El Dorado Boulevard, Broomfield, CO 80021. Contact: Patrick Provost, Telephone: 720-888-4686, E-mail: patrick.provost@level3.com
  - ZAYO Communications (ZAY):** 13861 Sunrise Valley Drive, Suite 450, Herndon, VA 20171. Contact: Brad Leatherman, Telephone: 703-928-0649, E-mail: bradley.leatherman@zayo.com
  - Gas:** Washington Gas (WGL), 6801 Industrial Road, Springfield, VA 22151. Contact: William Mazzoli, Telephone: 703-750-5184, E-mail: wamazzoli@washgas.com
  - Sanitary Sewer:** Fairfax County (FCU), 12000 Government Center Parkway, Fairfax, VA 22035. Contact: Michael Sallist, Telephone: 703-289-6249, E-mail: michael.sallist@fairfaxcounty.gov
  - Water:** Fairfax County (FCW), 8560 Arlington Boulevard, Fairfax, VA 22031. Contact: Adam Kuch, Telephone: 703-289-6249, E-mail: akuch@airfaxwater.org



- LEGEND**
- Note: Dot-dashed lines denote permanent easements.
  - Note: Dot-dot-dashed lines denote temporary easements.
  - Denotes Construction Limits in Cuts
  - Denotes Construction Limits in Fills
  - Denotes New Pavement
  - Denotes Mill and Overlay
  - Denotes Demolition of Pavement
  - Denotes New Gravel
  - 1 Denotes S'd. GR-MGS1 Req'd
  - 2 Denotes S'd. Rad. GR-MGS1 Req'd
  - 3 Denotes S'd. GR-MGS2 Terminal Treatment Req'd
  - 4 Denotes S'd. GR-MGS2 TL-2 Terminal Treatment Req'd
  - 5 Denotes S'd. GR-FOA-5 Req'd
  - 6 Denotes Full Depth Saw Cut Req'd
  - 7 Denotes S'd. CG-3 Curb Req'd
  - 8 Denotes S'd. MS-1 Req'd
  - 9 Denotes S'd. MS-2 Req'd
  - 10 Denotes Remove Existing

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

Typical Section	2A
ESC Plan	2D(1), 2E
Hunter Mill Road Profile	4A
Entrance and Trail Profiles	3A(1)

**FAIRFAX COUNTY PARK AUTHORITY**  
DB 5420 PG 86  
3,1048 SQ. FT  
TAX MAP# 0182 12 A

**FAIRFAX COUNTY PARK AUTHORITY**  
DB 10165 PG 148  
166,885 SQ. FT  
TAX MAP# 0182 23 B

**P. H. 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.



REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	4

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

Volkert, Inc.  
Springfield, Virginia  
ROADWAY ENGINEER

Volkert, Inc.  
Springfield, Virginia  
HYDRAULIC ENGINEER

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703)259-3256 (NOVA)  
 SURVEYED BY, DATE V.DOT  
 DESIGN BY Brian Graham, P.E. (703)642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE V.DOT

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	674		0674-029-358 PI01, B643	4A

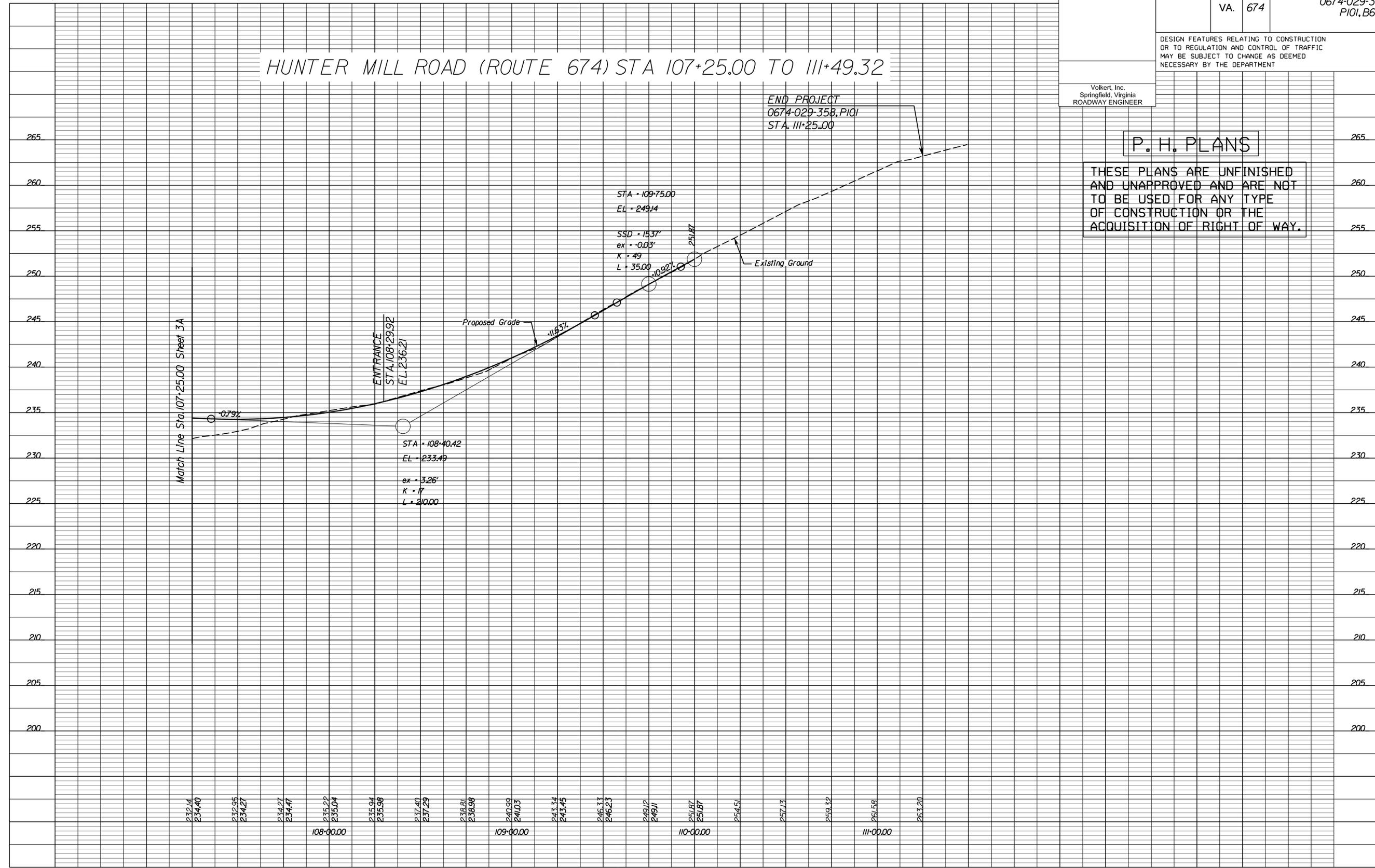
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Volkert, Inc.  
Springfield, Virginia  
ROADWAY ENGINEER

**P. H. 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.

# HUNTER MILL ROAD (ROUTE 674) STA 107+25.00 TO 111+49.32



NOVA DISTRICT DESIGN UNIT



PROJECT  
0674-029-358

SHEET NO.  
4A

PROJECT MANAGER Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOJ  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOJ

# SIGNING AND PAVEMENT MARKING PLAN

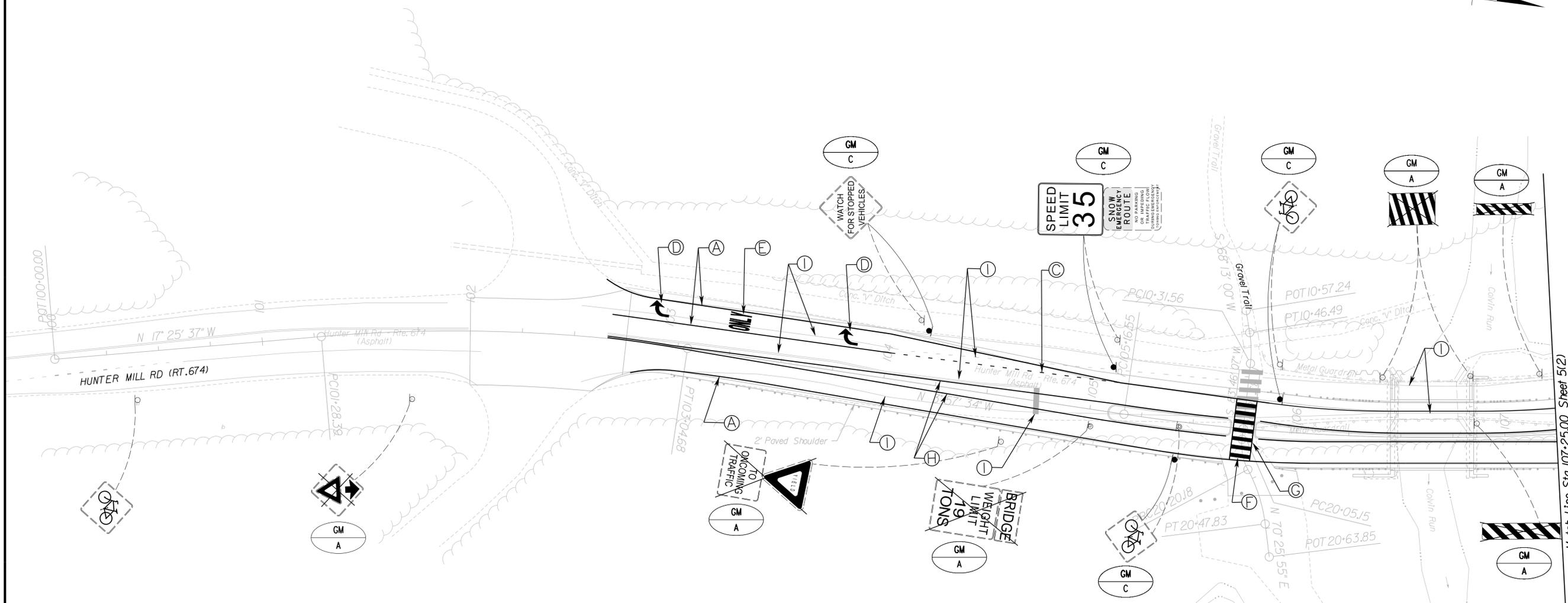
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	674	0674-029-358 P101, B643	5(1)

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

Volkert, Inc.  
Springfield, Virginia  
TRAFFIC ENGINEER

## P. H. 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.



NOTE:  
SIGNING AND PAVEMENT MARKING PLANS WILL BE REVISED IF TRAFFIC CONTROL DEVICE IS INSTALLED AT THE CROSSWALK LOCATION.

<p><b>SIGNING LEGEND</b></p> <p>--- ○ ○ ○ ○ ○ --- EXIST. GROUND MOUNTED SIGN SUPPORT</p> <p>--- ■ ■ ■ ■ ■ --- PROP. GROUND MOUNTED SIGN SUPPORT</p> <p> EXIST. SIGN TO REMAIN OR TO BE RELOCATED</p> <p> EXIST. SIGN TO BE REMOVED</p> <p> PROP. SIGN PANEL</p>		<p><b>LABELS FOR EXISTING SIGNS</b></p> <p>Denotes Existing Sign Structure and/or Sign Panel Type</p> <p>STRUCTURE &amp; SIGN PANEL                  GM - Ground Mounted                  OM - Overhead Mounted                  CM - Cantilever Mounted</p> <p>SIGN PANEL                  SP-GM - Ground Mounted Sign Panel                  SP-OH - Overhead Mounted Sign Panel</p> <p>STRUCTURE ONLY                  ST-GM - Ground Mounted</p> <p>Denotes Action and Measurement &amp; Payment Item                  A - Remove &amp; Dispose                  B - Remove &amp; Salvage                  C - Relocate                  D - Overlay Sign Panel</p>		<p><b>PAVEMENT MARKING LEGEND</b></p> <p>(A) 4" SOLID WHITE LINE TYPE B, CLASS 1</p> <p>(B) 4" DOUBLE YELLOW LINE TYPE B, CLASS 1</p> <p>(C) 4" WHITE LINE, TYPE B, CLASS 1 (2" LINE, 4" SPACE)</p> <p>(D) TYPE B, CLASS 1, PAVEMENT MESSAGE MARKING ARROW, SINGLE</p> <p>(E) TYPE B, CLASS 1, PAVEMENT MESSAGE MARKING "ONLY"</p> <p>(F) TYPE B, CLASS 1, WHITE PAVEMENT LINE MARKING, 24" WIDTH</p> <p>(G) TYPE B, CLASS 1, WHITE PAVEMENT LINE MARKING, 6" WIDTH</p> <p>(H) 4" SOLID YELLOW LINE TYPE B, CLASS 1</p> <p>(I) REMOVE EXISTING PAVEMENT MARKINGS</p>		<p><b>LABELS FOR PROPOSED SIGNS</b></p> <p>Denotes Sign Assembly No.</p> <p> Denotes Text No.</p>	
---	--	---	--	--	--	---	--



NOVA DISTRICT DESIGN UNIT

Match Line Sta. 107+25.00 Sheet 5(2)

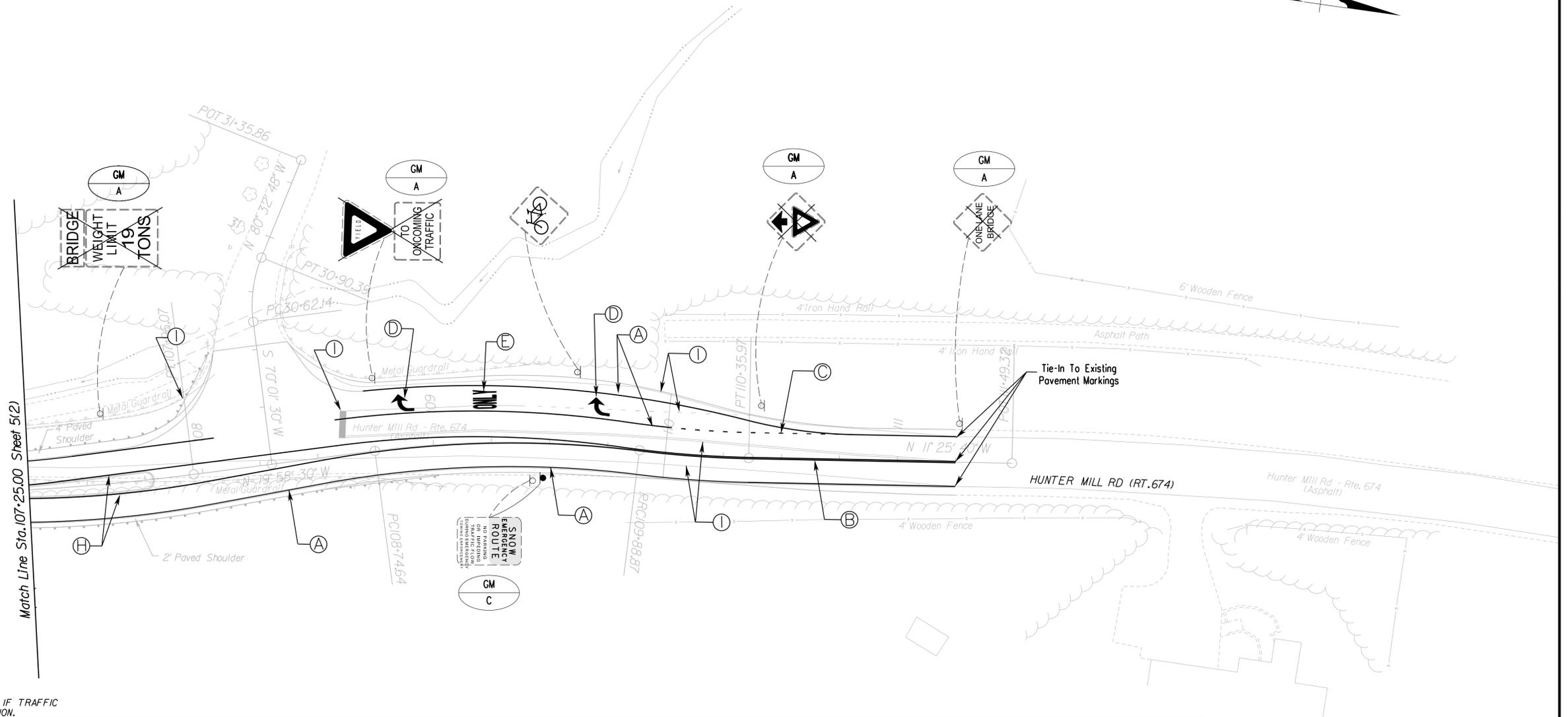
PROJECT MANAGER Vicente S. Valera, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

# SIGNING AND PAVEMENT MARKING PLAN

## P. H. 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.

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE	PROJECT	
		674	0674-029-358 P101, B643	5(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Volkert, Inc. Springfield, Virginia TRAFFIC ENGINEER				



NOTE:  
SIGNING AND PAVEMENT MARKING PLANS WILL BE REVISED IF TRAFFIC CONTROL DEVICE IS INSTALLED AT THE CROSSWALK LOCATION.

SIGNING LEGEND		LABELS FOR EXISTING SIGNS		LABELS FOR PROPOSED SIGNS		PAVEMENT MARKING LEGEND	
	EXIST. GROUND MOUNTED SIGN SUPPORT		Denotes Existing Sign Structure and/or Sign Panel Type		Denotes Sign Assembly No.	(A)	4" SOLID WHITE LINE TYPE B, CLASS 1
	PROP. GROUND MOUNTED SIGN SUPPORT		STRUCTURE & SIGN PANEL		Denotes Text No.	(B)	4" DOUBLE YELLOW LINE TYPE B, CLASS 1
	EXIST. SIGN TO REMAIN OR TO BE RELOCATED		GM - Ground Mounted OM - Overhead Mounted CM - Cantilever Mounted			(C)	4" WHITE LINE, TYPE B, CLASS 1 (2" LINE, 4" SPACE)
	EXIST. SIGN TO BE REMOVED		Denotes Action and Measurement & Payment Item			(D)	TYPE B, CLASS 1, PAVEMENT MESSAGE MARKING ARROW, SINGLE
	PROP. SIGN PANEL		A - Remove & Dispose B - Remove & Salvage C - Relocate D - Overlay Sign Panel			(E)	TYPE B, CLASS 1, PAVEMENT MESSAGE MARKING "ONLY"
						(F)	TYPE B, CLASS 1, WHITE PAVEMENT LINE MARKING, 24" WIDTH
						(G)	TYPE B, CLASS 1, WHITE PAVEMENT LINE MARKING, 6" WIDTH
						(H)	4" SOLID YELLOW LINE TYPE B, CLASS 1
						(I)	REMOVE EXISTING PAVEMENT MARKINGS



PROJECT: 0674-029-358  
SHEET NO.: 5(2)

STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA.	STP-BRO-9(295)	674	0674-029-358, B643
Federal Structure No. 00000000030875		FHWA Construction and Scour Code: <b>X080-S5</b>	
Federal Stewardship and Oversight Code: NFO		UPC No. 110433	

DESIGN EXCEPTION(S):  
None

GENERAL NOTES:

The original approved sheet, including original signatures, is filed in the VDOT Central Office. Any misuse of electronic files, including scanned signatures is illegal. Violators will be prosecuted to the full extent of the applicable laws.

Width: 15'-3" min. roadway, 3'-6" median, 13'-0" min. roadway.  
Overall width 32'-0" face-to-face of rails.

Span layout: 40'-0" prestressed concrete voided slab span

Capacity: HL-93 loading.

Drainage area: 5.0 sq. mi.

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2020.

Design: AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017; and VDOT Modifications.

Standards: Virginia Department of Transportation Road and Bridge Standards, 2016; including all current revisions.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.

This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2011 and latest revisions.

Design loading includes 10 psf allowance for construction tolerances and construction methods.

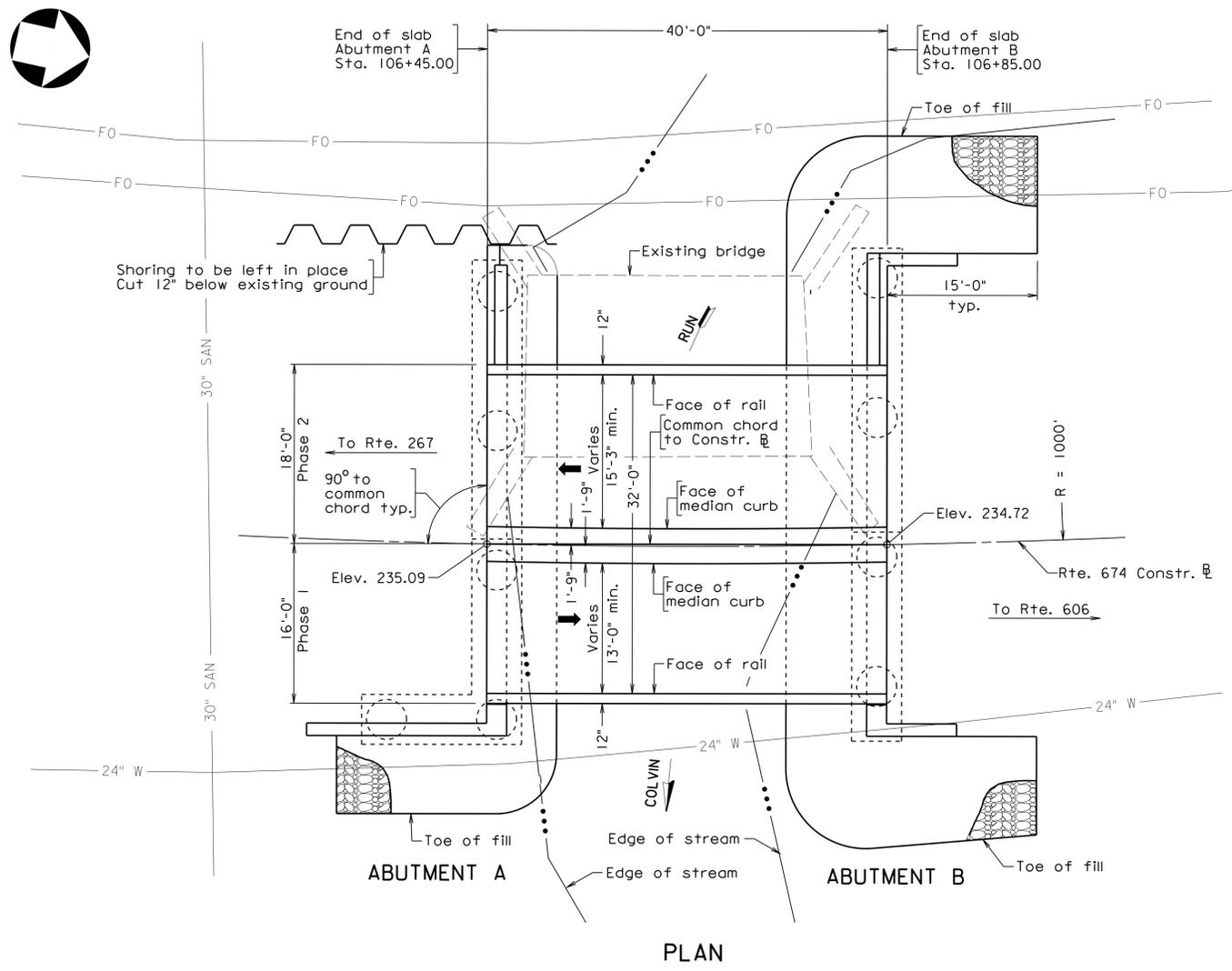
Design loading includes 15 psf allowance for future wearing surface.

Concrete in rails and terminal walls shall be Low Shrinkage Class A4 Modified in accordance with Section 217.12(a); in abutments, Class A3.

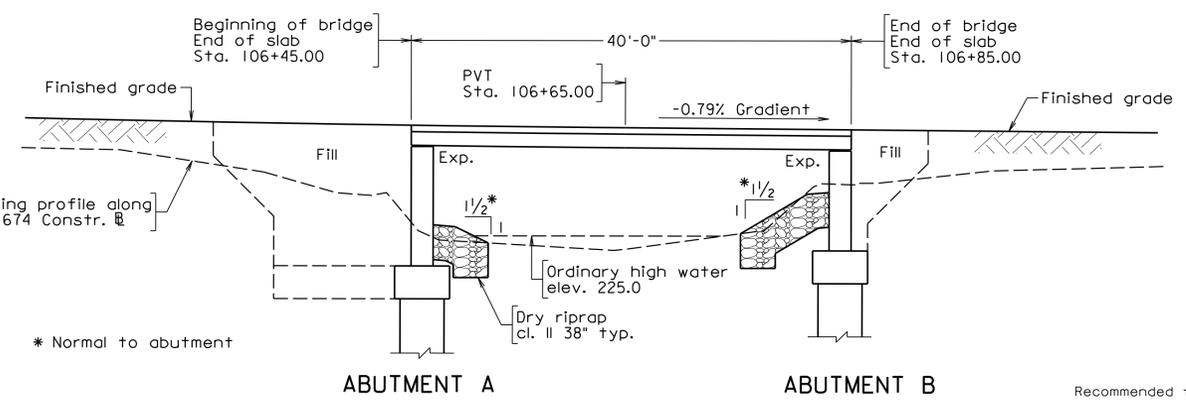
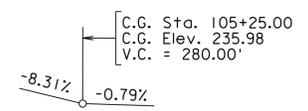
Prestressed concrete in prestressed slabs shall be Class A5 having a minimum compressive cylinder strength at 28 days equal to 8000 psi and a minimum compressive cylinder strength at time of release of strands equal to 6400 psi.

All reinforcing steel shall be deformed and shall conform to ASTM A615, Grade 60 except for steels noted as Corrosion Resistant Reinforcing (CRR) which shall conform to Section 223 of the Specifications. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

General Notes continued on sheet 2.



PLAN



DEVELOPED SECTION ALONG CONSTR. E

PRELIMINARY PLANS  
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

Recommended for Approval: \_\_\_\_\_ Date \_\_\_\_\_  
District Planning and Investment Manager

No.	Description	Date
REVISIONS		
For Table of Revisions, see Sheet 2.		

Recommended for Approval: \_\_\_\_\_ Date \_\_\_\_\_  
District Project Development Engineer

Approved: \_\_\_\_\_ Date \_\_\_\_\_  
District Administrator



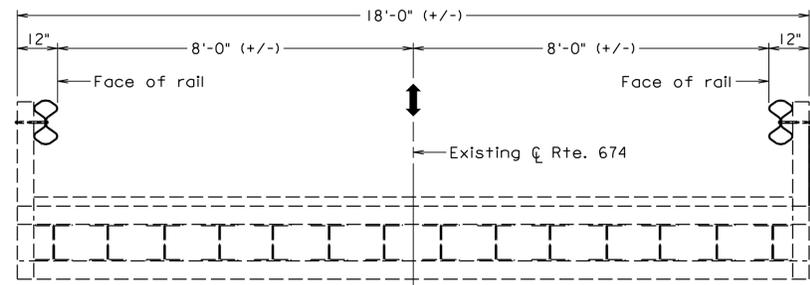
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSED BRIDGE ON  
RTE. 674 (HUNTER MILL ROAD) OVER COLVIN RUN  
FAIRFAX CO. - 0.8 MI. S. RTE. 606  
PROJ. 0674-029-358, B643

298-69.001.dgn

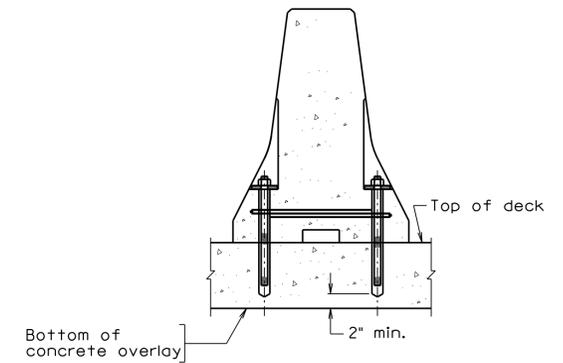
VOLKERT, INC. SPRINGFIELD, VA STRUCTURAL ENGINEER	
PLANS BY:	Volkert Inc.
COORDINATED:	Vicente Valeza
SUPERVISED:	Brian C. Graham
DESIGNED:	David C. Simons
DRAWN:	Sung Whan Choi
CHECKED:	Adham El-Hady

Scale: 1/8" = 1'-0"

STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	PROJECT
VA.		674	0674-029-358, B643
			6(2)



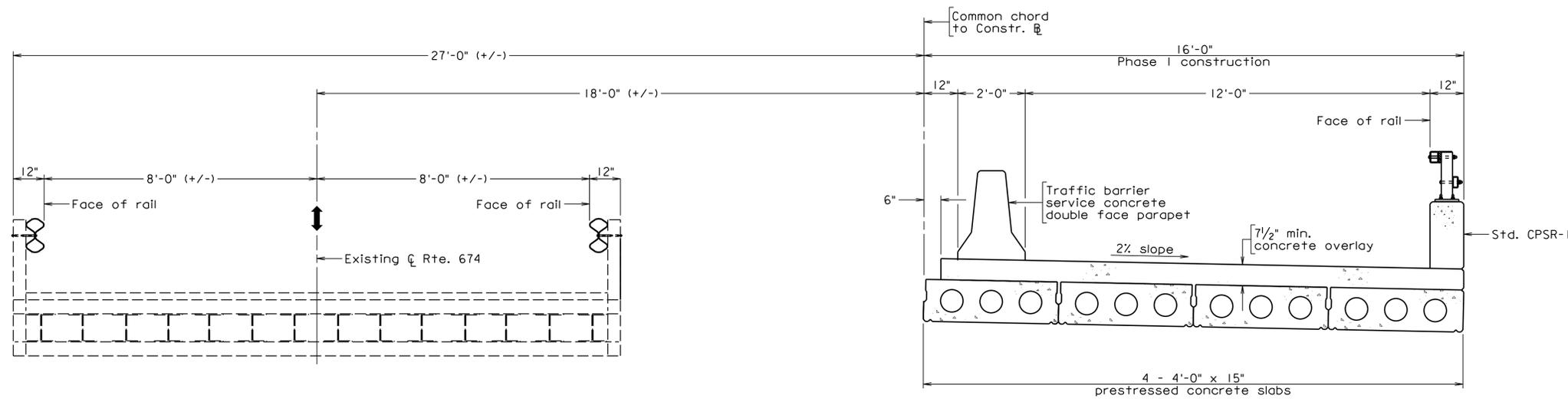
EXISTING



TRAFFIC BARRIER SERVICE  
CONCRETE PARAPET (DOUBLE FACE)

Notes:

1. Bolt down side adjacent to traffic.
2. For details not shown, see VDOT Road and Bridge Standards MB-11A.
3. After removing Temporary barrier, cut  $\frac{7}{8}$ "  $\emptyset$  bolt or threaded rod as low as practical below roadway surface and fill recess with epoxy bonding compound EP-4.
4. Anchor system shall be tested to provide a minimum pullout of 32,000 lbs. and installed according to manufacturer's recommendations.



PHASE I

sequence of construction - 1.dgn

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED FOR CONSTRUCTION

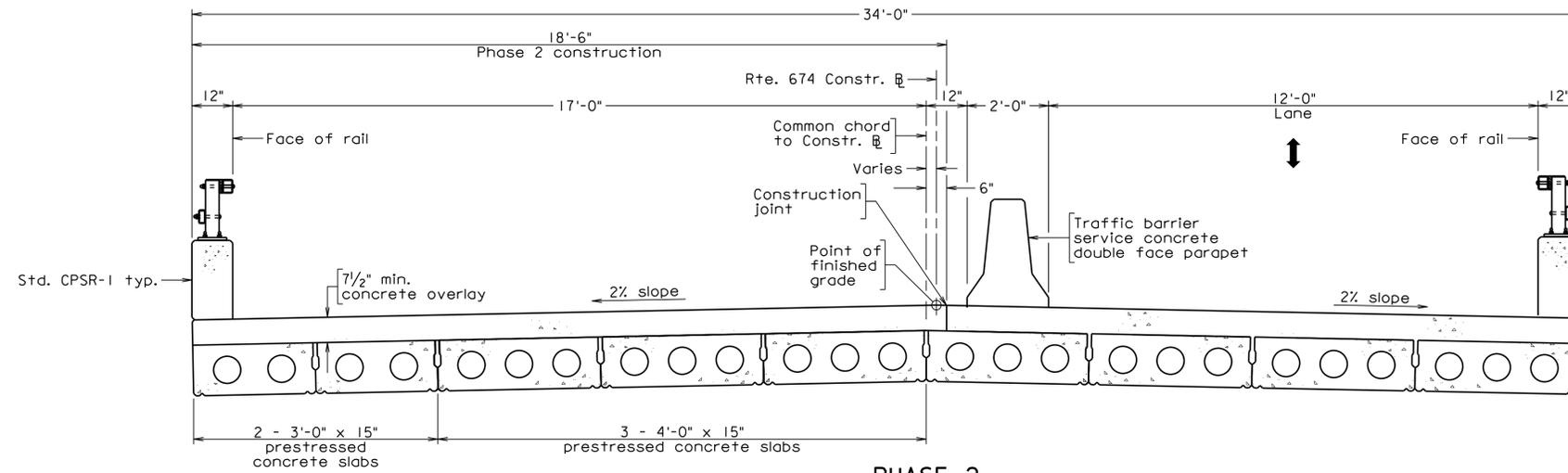
VOLKERT, INC.  
SPRINGFIELD, VA  
STRUCTURAL ENGINEER

Scale: 1/2" = 1'-0"

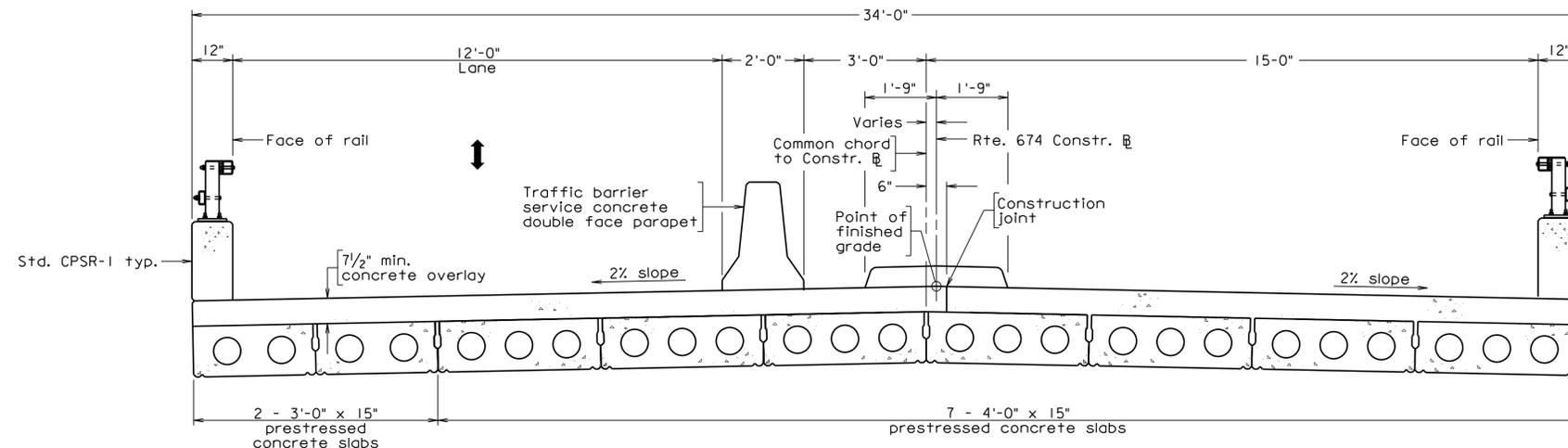
© 2020, Commonwealth of Virginia

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION						
STRUCTURE AND BRIDGE DIVISION						
SEQUENCE OF CONSTRUCTION - 1						
No.	Description	Date	Designed: SWC..... Drawn: SWC..... Checked: B&G.....	Date June 2020	Plan No. 298-69	Sheet No. 2 of 3
Revisions						

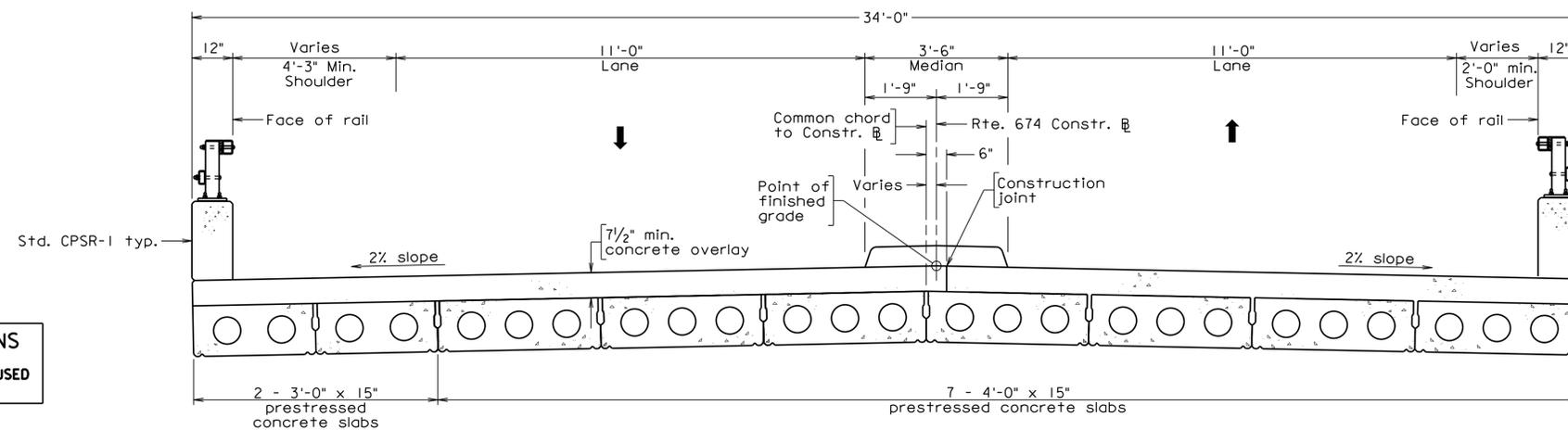
STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	PROJECT
VA.		674	0674-029-358, B643
			6(3)



PHASE 2



PHASE 3



FINAL

sequence of construction - 2.dgn

**PRELIMINARY PLANS**  
THESE PLANS NOT TO BE USED  
FOR CONSTRUCTION

VOLKERT, INC.  
SPRINGFIELD, VA  
STRUCTURAL ENGINEER

Scale: 1/2" = 1'-0"

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
SEQUENCE OF CONSTRUCTION - 2					
No.	Description	Date	Designed: SWC.....	Date	Plan No.
			Drawn: SWC.....	June 2020	298-69
			Checked: BKG.....		3 of 3
Revisions					

PROJECT MANAGER Vicente S. Velez, Jr., P.E. (703) 259-3256 (NOVA)  
 SURVEYED BY, DATE VDOT  
 DESIGN BY Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)  
 SUBSURFACE UTILITY BY, DATE VDOT

NOVA DISTRICT DESIGN UNIT

# CROSS SECTION INDEX

## PUBLIC HEARING 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.

REVISED	STATE		STATE	SHEET NO.
	ROUTE	PROJECT		
	VA.	674	0674-029-358 P101, B643	XI

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

SHEET	DESCRIPTION	STATIONS
XI	CROSS SECTION INDEX	
X2 - X13	ROUTE 674 - HUNTER MILL ROAD	100+00.00 TO 111+25.00

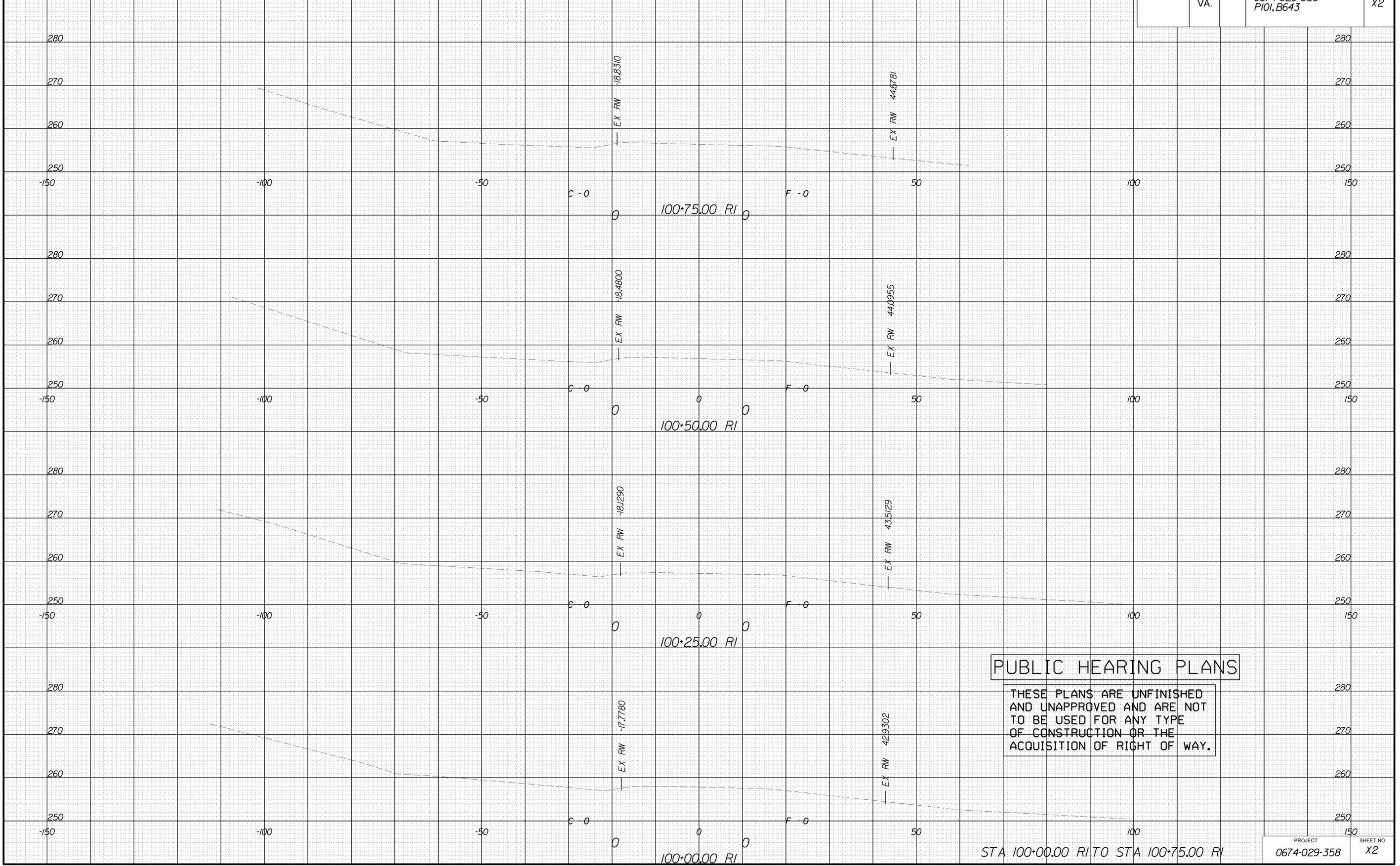
PROJECT MANAGER *Howard Tolman (434) 529-6311/Culpeper1*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Grabam, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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.			0674-029-358 P101, B643	X2



## PUBLIC HEARING 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.

STA 100+00.00 RI TO STA 100+75.00 RI

PROJECT	SHEET NO.
0674-029-358	X2

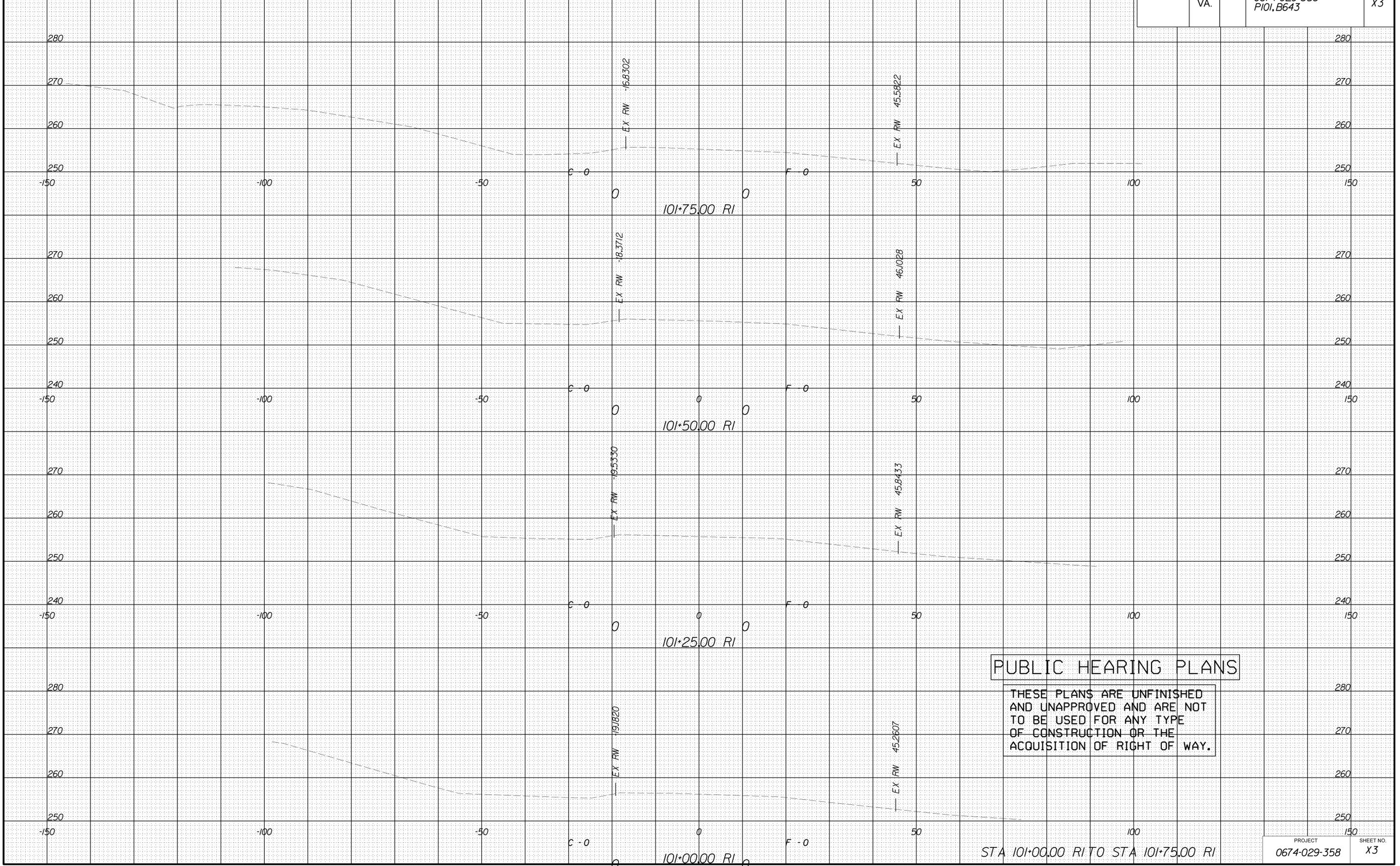
PROJECT MANAGER *Howard Tolman (434) 529-6311/Culpeper1*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Grabam, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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.			0674-029-358 PI01, B643	X3



**PUBLIC HEARING 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.

STA 101+00.00 RI TO STA 101+75.00 RI

PROJECT	SHEET NO.
0674-029-358	X3

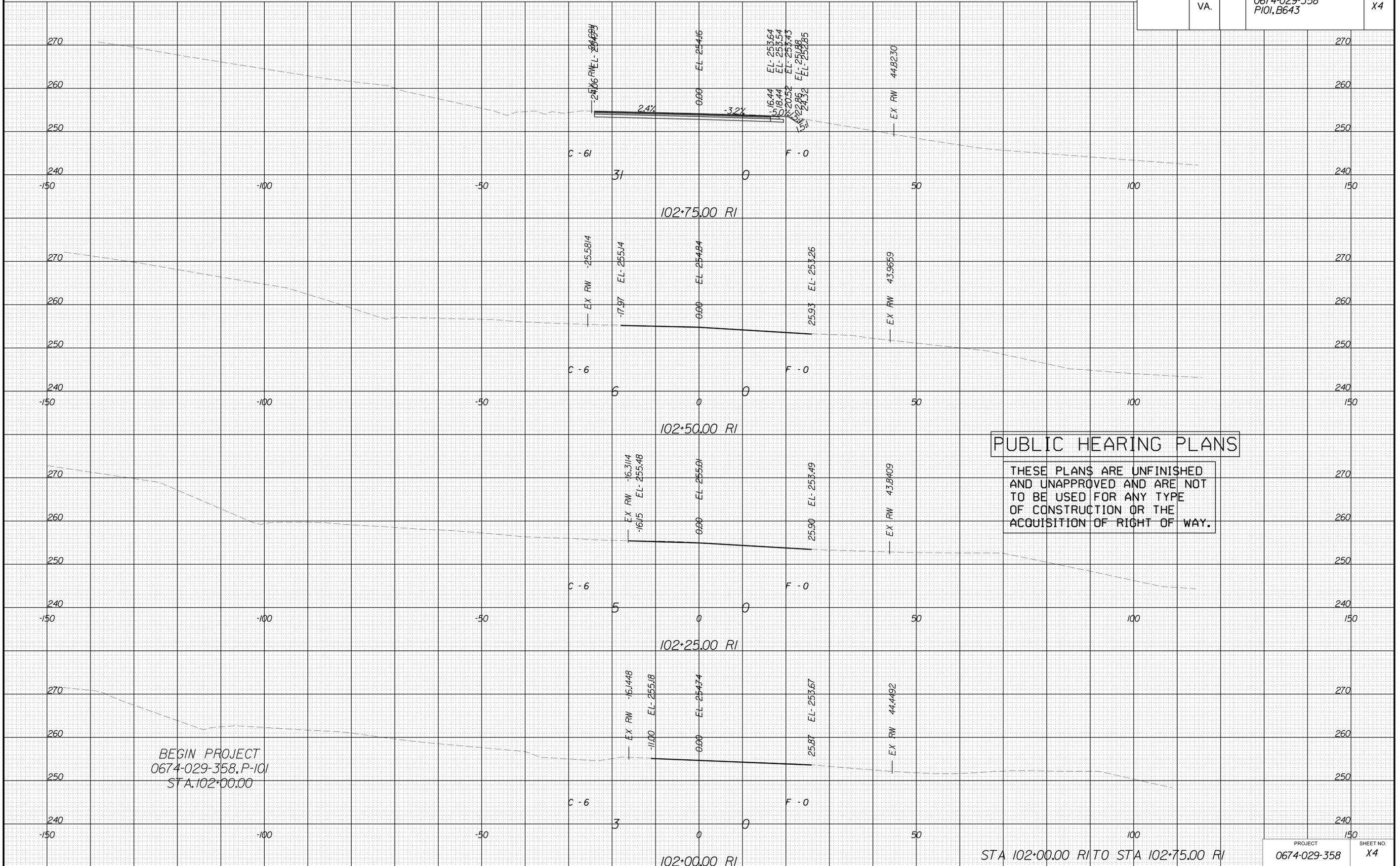
PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Graham, P.E. (703) 642-8100 (Volkrert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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.			0674-029-358 P101, B643	X4



**PUBLIC HEARING 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.

BEGIN PROJECT  
0674-029-358, P-101  
STA. 102+00.00

STA 102+00.00 RI TO STA 102+75.00 RI

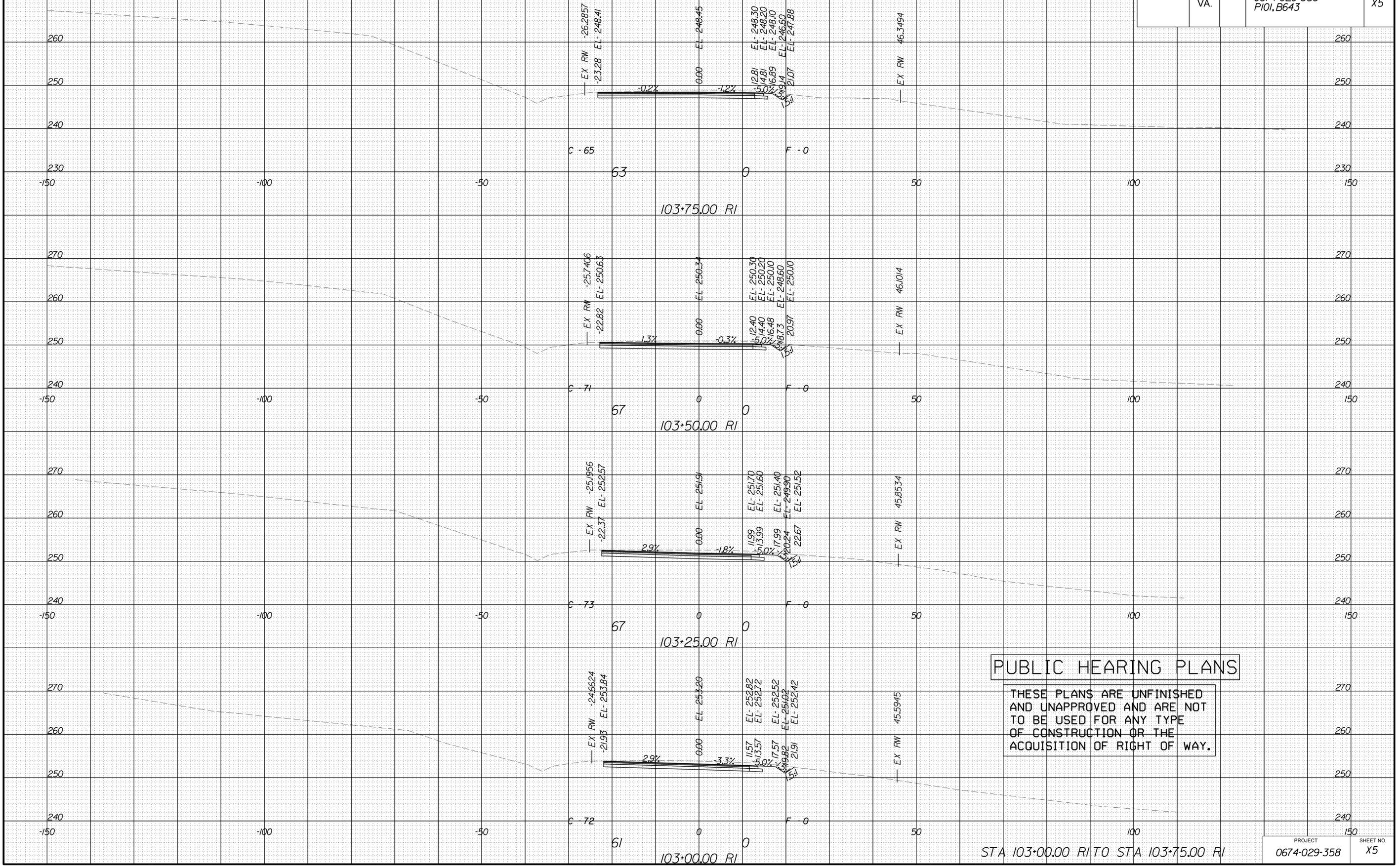
PROJECT MANAGER *Howard Tolman (434) 529-6311(Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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.			0674-029-358 P101, B643	X5



## PUBLIC HEARING 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.

STA 103+00.00 RI TO STA 103+75.00 RI

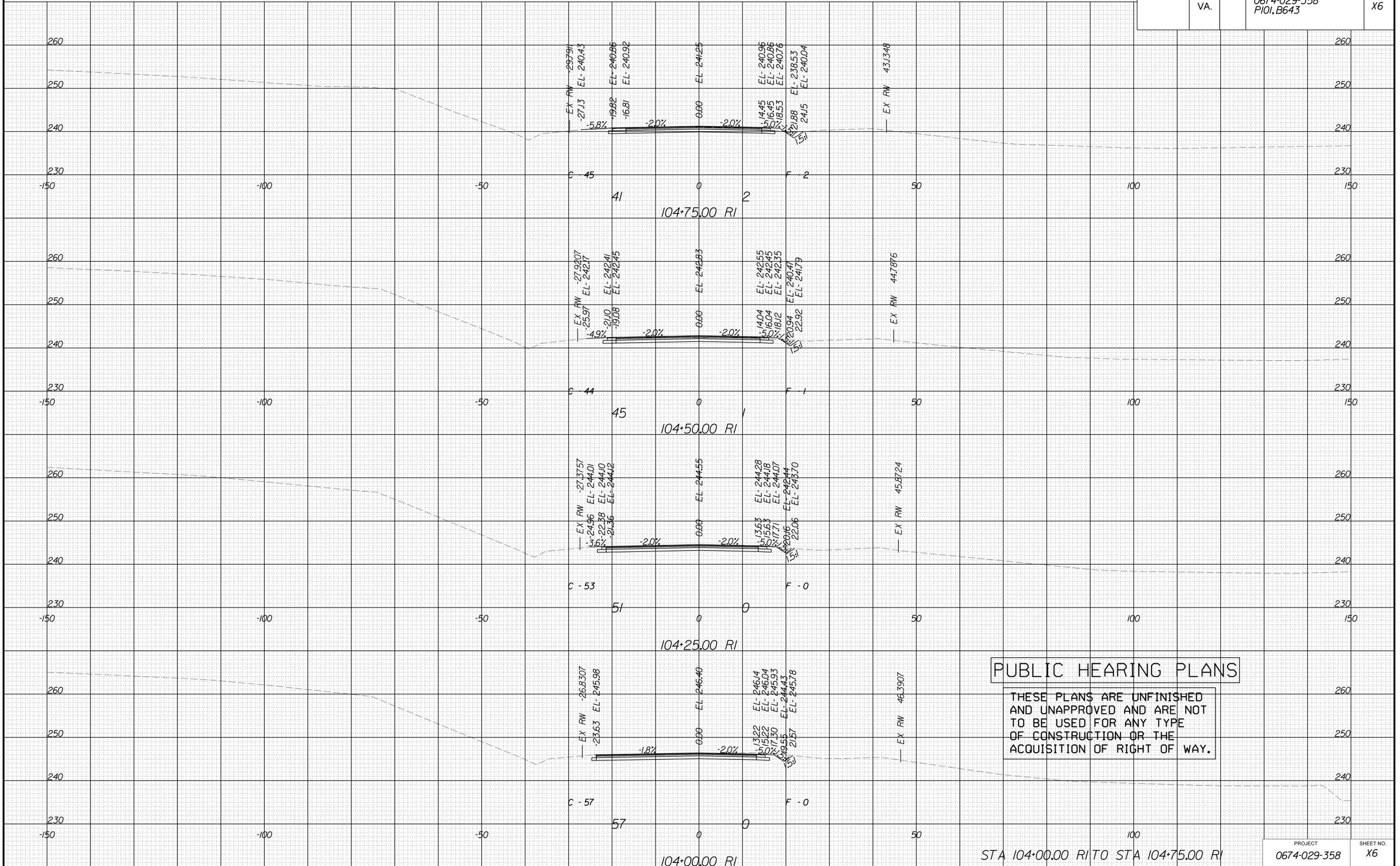
PROJECT MANAGER Howard Tolman (434) 529-6311(Culpeper)  
SURVEYED BY DATE Bice and Associates (703) 968-3200  
DESIGN BY Brian Grabam, P.E. (703) 642-8100 (Volkert, Inc.)  
SUBSURFACE UTILITY BY DATE Bice and Associates (703) 968-3200

# 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.			0674-029-358 PI01, B643	X6



## PUBLIC HEARING 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.

STA 104+00.00 RI TO STA 104+75.00 RI

PROJECT	SHEET NO.
0674-029-358	X6

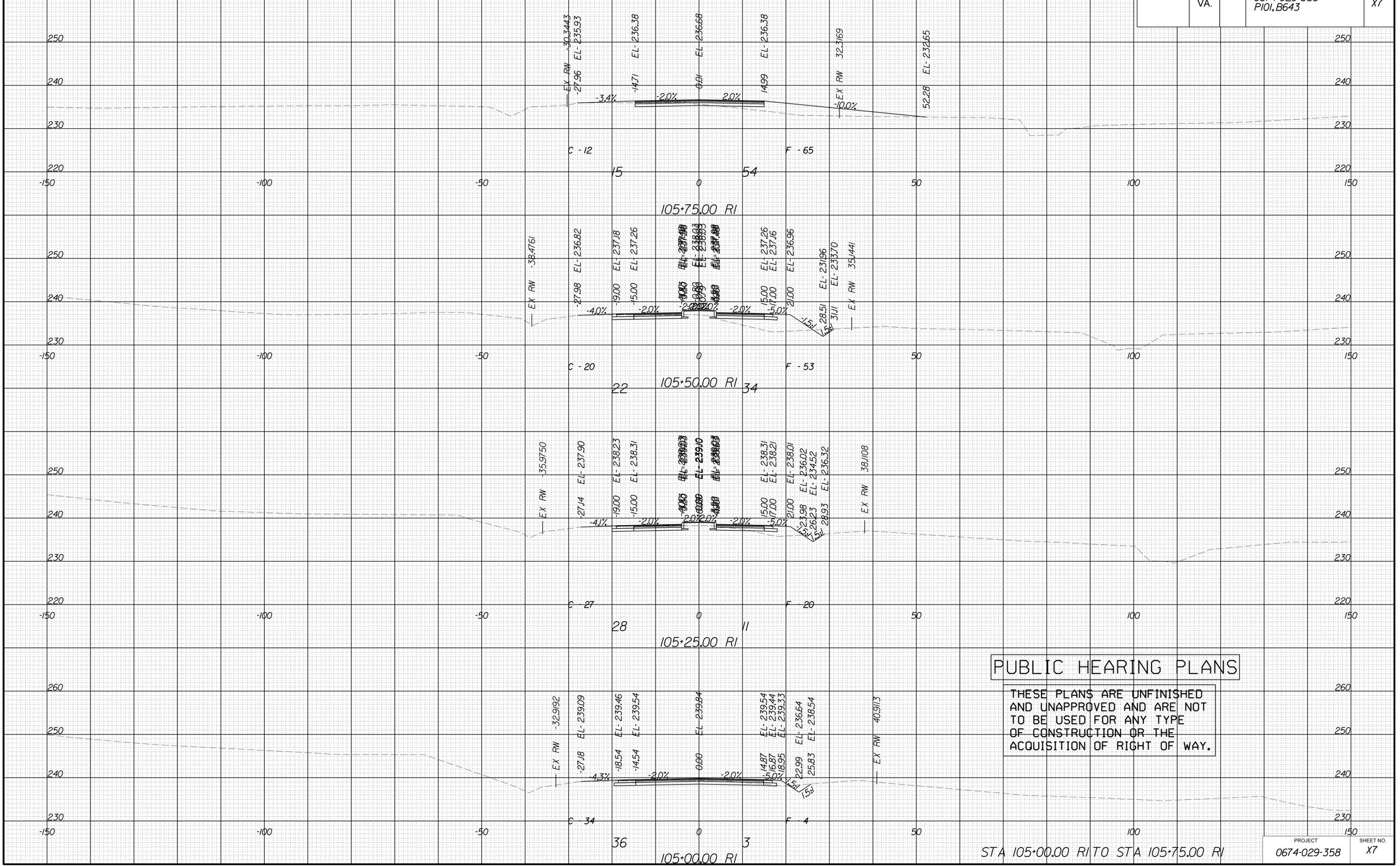
PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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.			0674-029-358 PI01, B643	X7



## PUBLIC HEARING 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.

STA 105+00.00 RI TO STA 105+75.00 RI

PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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

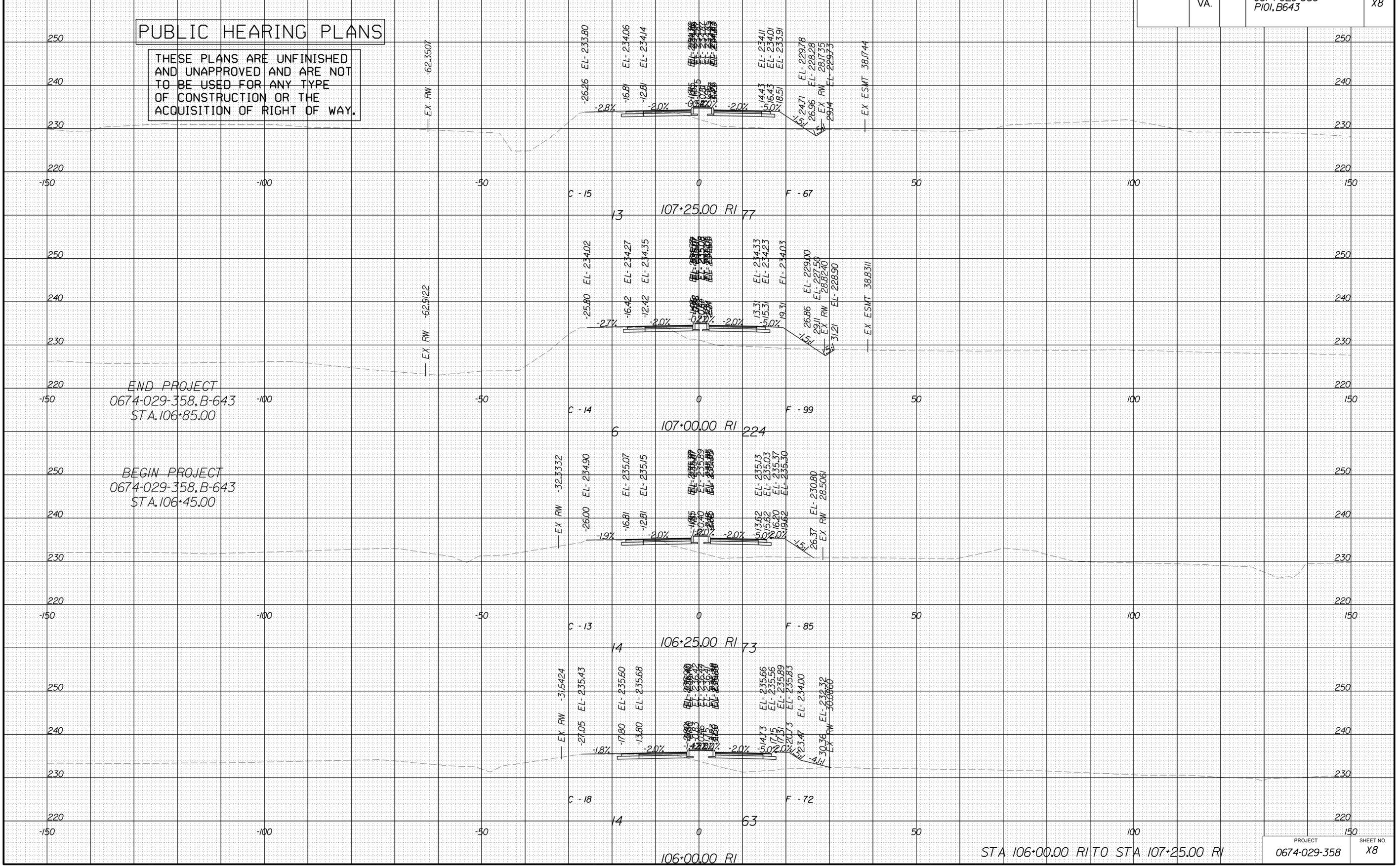
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0674-029-358 P/OI, B643	X8

## PUBLIC HEARING 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.

END PROJECT  
0674-029-358, B-643  
STA. 106+85.00

BEGIN PROJECT  
0674-029-358, B-643  
STA. 106+45.00



STA 106+00.00 RI TO STA 107+25.00 RI

PROJECT MANAGER *Howard Tolman* (434) 529-6311 (Culpeper)  
SURVEYED BY, DATE *Bice and Associates* (703) 968-3200  
DESIGN BY *Brian Grabam, P.E.* (703) 642-8100 (Volkert, Inc.)  
SUBSURFACE UTILITY BY, DATE *Bice and Associates* (703) 968-3200

# CROSS SECTIONS

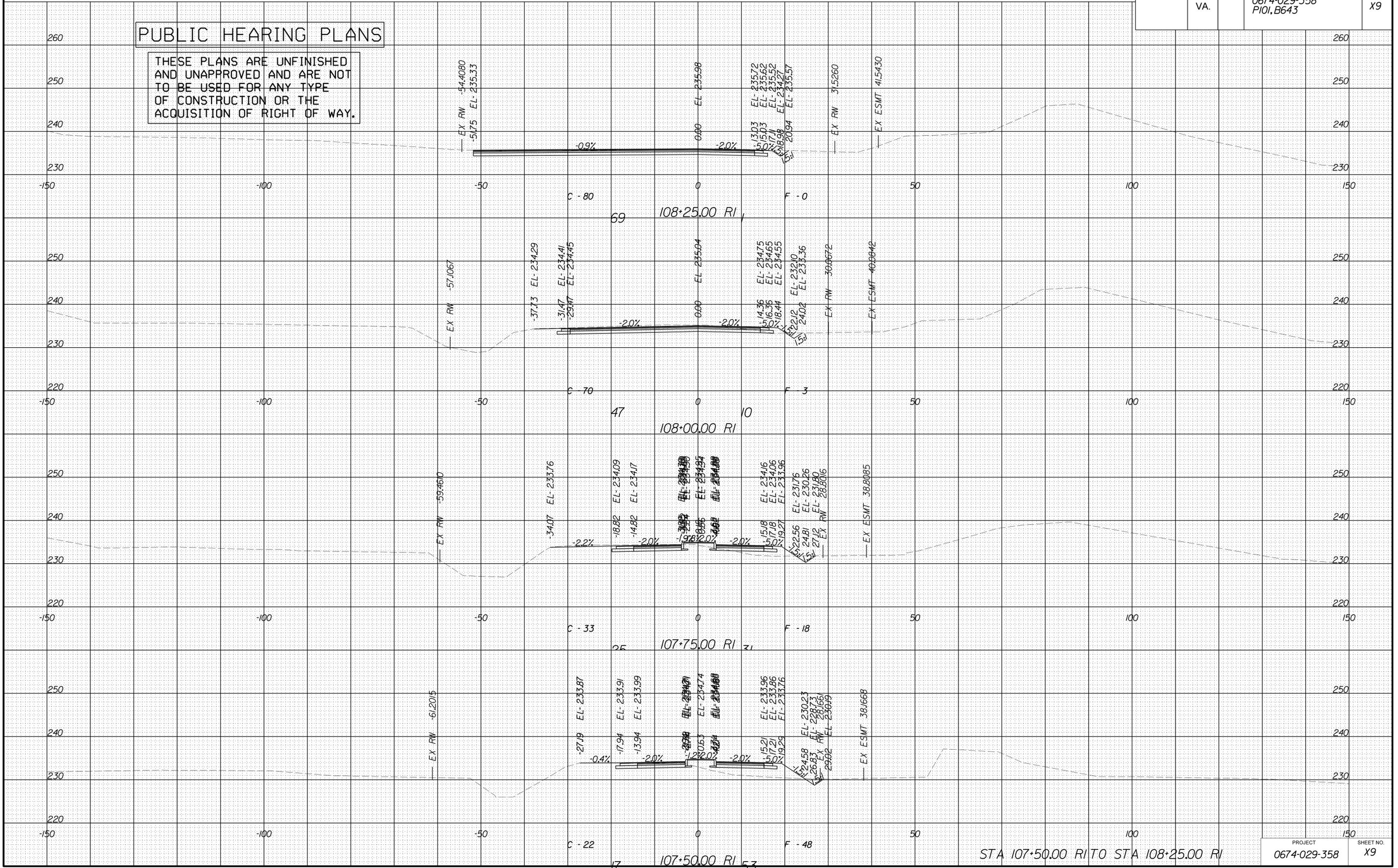
SCALE 1 IN. = 10 FT

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.			0674-029-358 PI01, B643	X9

## PUBLIC HEARING 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.



STA 107+50.00 RI TO STA 108+25.00 RI

PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# CROSS SECTIONS

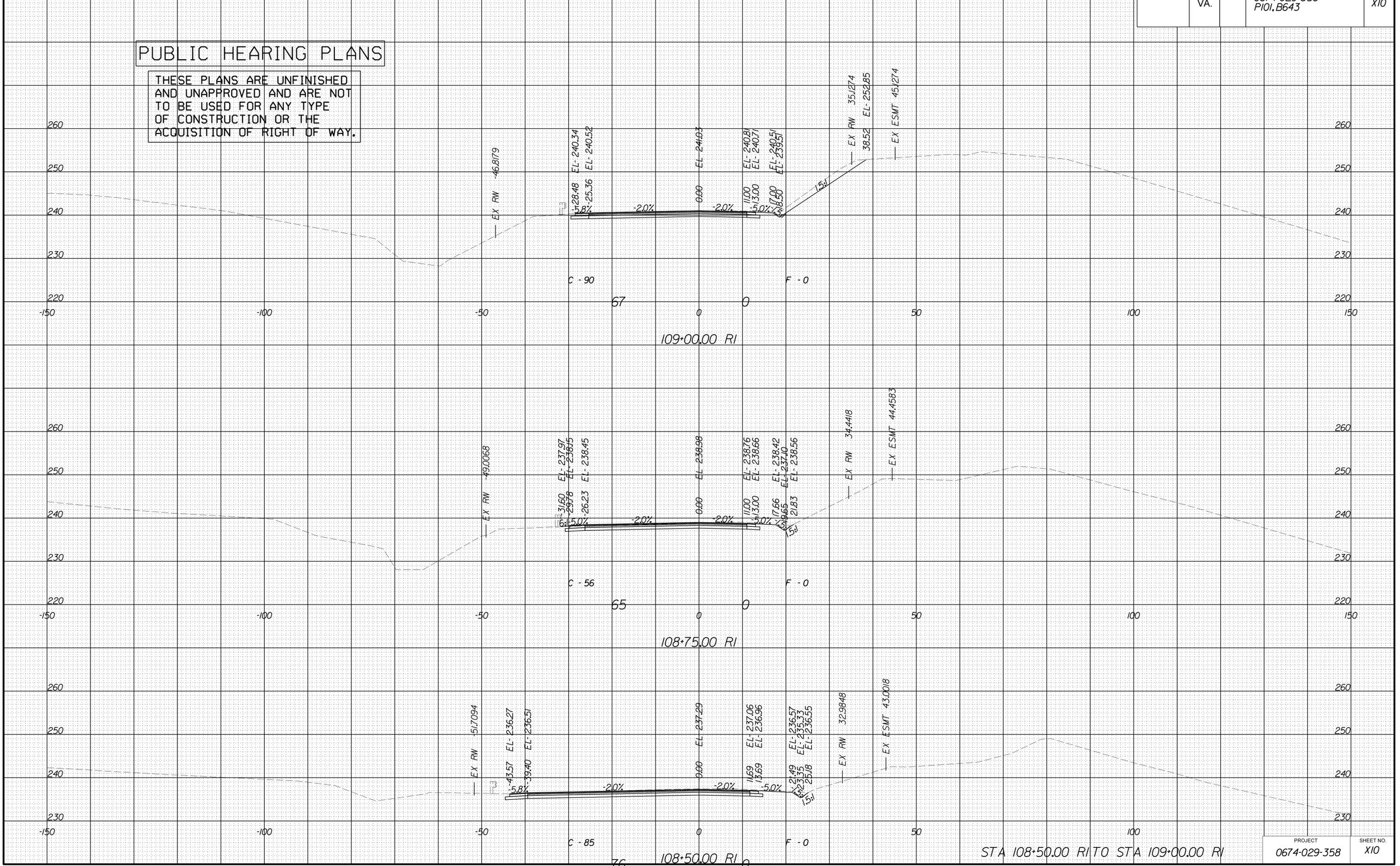
SCALE 1 IN. = 10 FT

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.			0674-029-358 P/OI, B643	X10

## PUBLIC HEARING PLANS

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STA 108+50.00 RI TO STA 109+00.00 RI

PROJECT	SHEET NO.
0674-029-358	X10

PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Grabam, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# CROSS SECTIONS

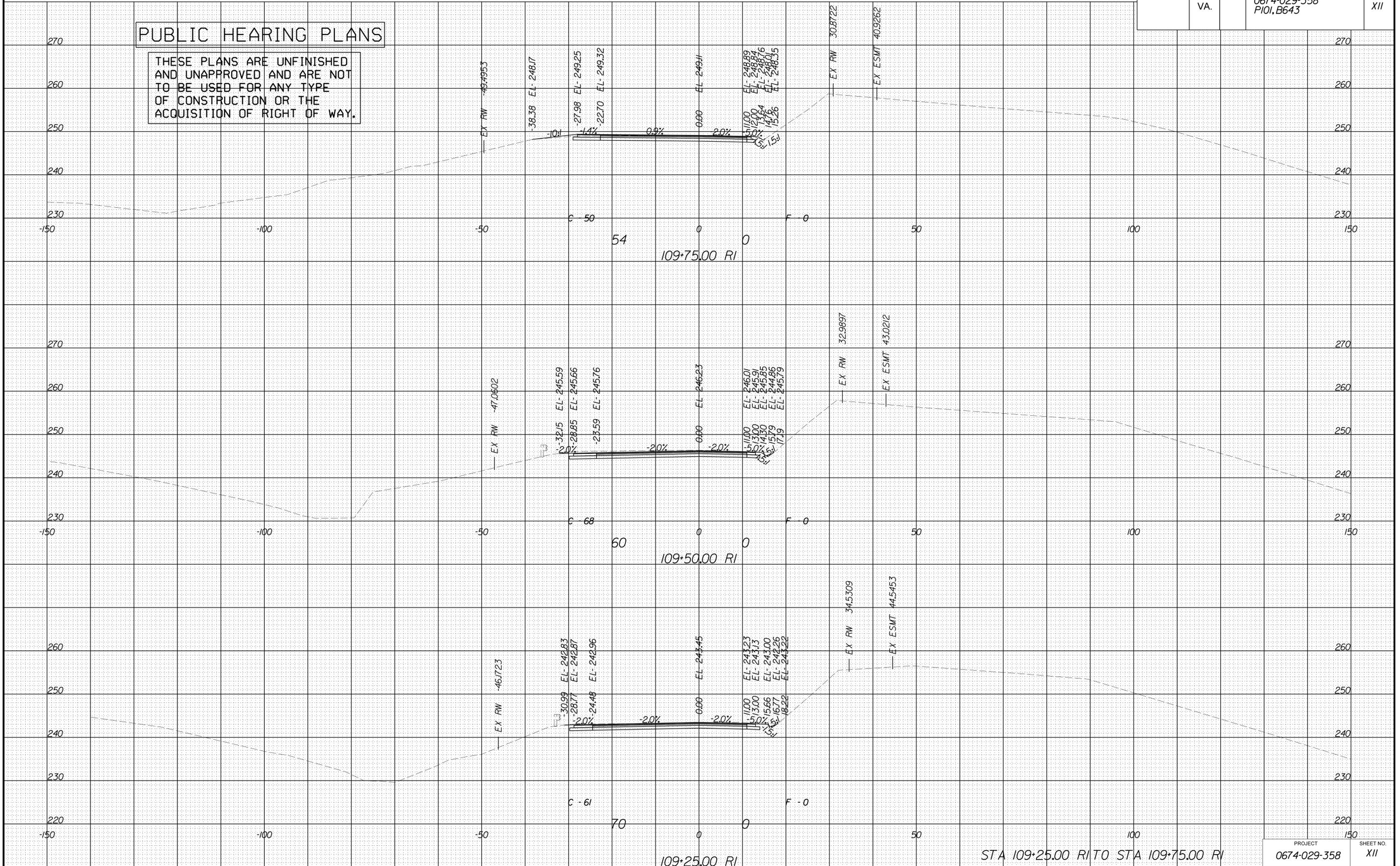
SCALE 1 IN. = 10 FT

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.			0674-029-358 PI01, B643	XII

## PUBLIC HEARING PLANS

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STA 109+25.00 RI TO STA 109+75.00 RI

PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Grabam, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# CROSS SECTIONS

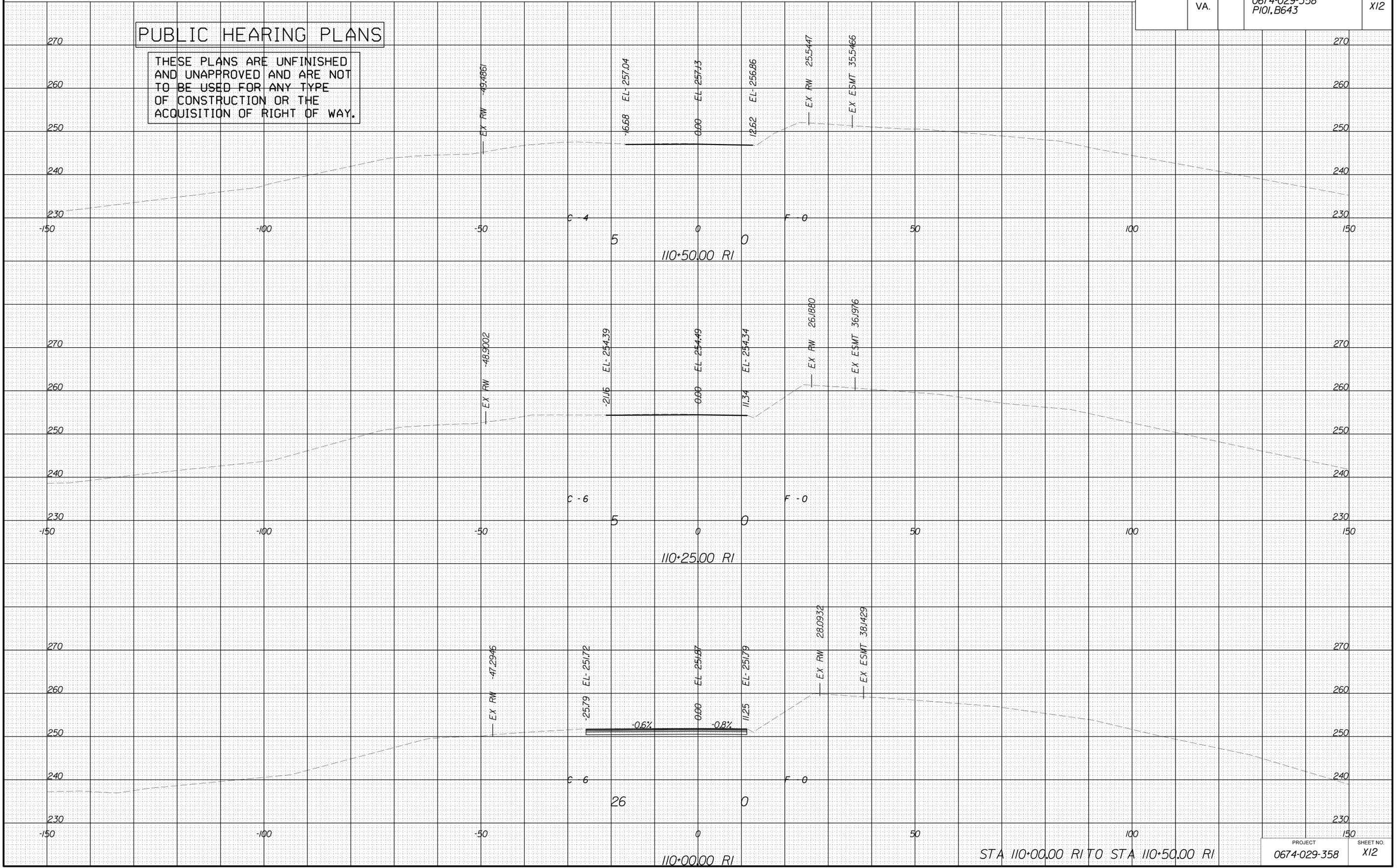
SCALE 1 IN. = 10 FT

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.			0674-029-358 PI01, B643	X12

## PUBLIC HEARING PLANS

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STA 110+00.00 RI TO STA 110+50.00 RI

PROJECT MANAGER *Howard Tolman (434) 529-6311 (Culpeper)*  
SURVEYED BY, DATE *Bice and Associates (703) 968-3200*  
DESIGN BY *Brian Graham, P.E. (703) 642-8100 (Volkert, Inc.)*  
SUBSURFACE UTILITY BY, DATE *Bice and Associates (703) 968-3200*

# 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.			0674-029-358 P101, B643	X13

## PUBLIC HEARING PLANS

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OF CONSTRUCTION OR THE  
ACQUISITION OF RIGHT OF WAY.

END PROJECT  
0674-029-358, P-101  
STA. III+25.00

