PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500; NICK SOUCIE, PE
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

FOR INDEX OF SHEETS SEE SHEET 1A

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. 109309

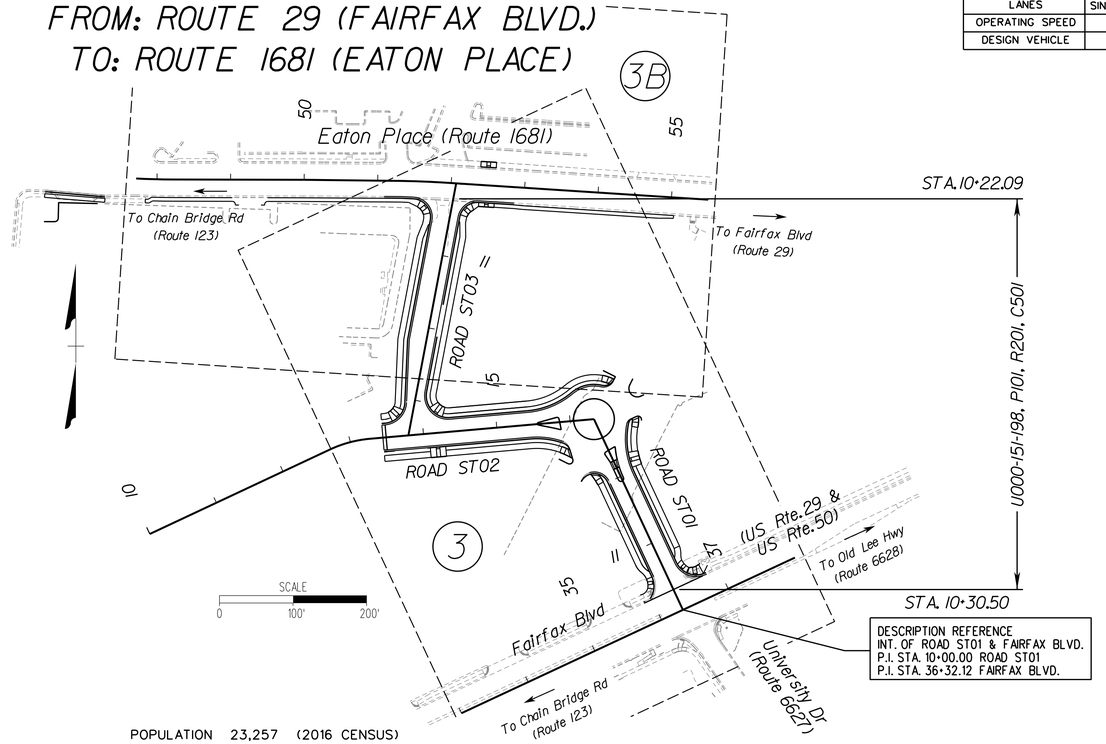
FHWA-534-2500I

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	STP-5A01(763) STP-5B01(067) STP-5B01(179)	9999	(NFO) U000-151-198 SEE TABULATIONS BELOW FOR SECTION NUMBERS	1

COMMONWEALTH OF VIRGINIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

CITY OF FAIRFAX, VIRGINIA
UNIVERSITY DRIVE EXTENSION
FROM: ROUTE 29 (FAIRFAX BLVD.)
TO: ROUTE 1681 (EATON PLACE)



DESCRIPTION REFERENCE
INT. OF ROAD ST01 & FAIRFAX BLVD.
P.I. STA. 10+00.00 ROAD ST01
P.I. STA. 36+32.12 FAIRFAX BLVD.

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN COLLECTOR (GS-7) - 25 MPH DESIGN SPEED	
	Fr: US ROUTE 29 (FAIRFAX BLVD.) To: ROUTE 1681 (EATON PLACE)
ADT (2019)	4,000
ADT (2039)	4,880
DHV	380
D (%) (design hour)	55%
T (%) (design hour)	2%
V (MPH)	❋

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

MINI ROUNDABOUT DESIGN	
INSCRIBED DIAMETER	90'
LANES	SINGLE LANE
OPERATING SPEED	20MPH
DESIGN VEHICLE	SU-30

THE CITY OF FAIRFAX IS TO BE RESPONSIBLE FOR MAINTAINING ALL FACILITIES ON-SITE.

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

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL, REVISION 2, AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

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

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
CITY,TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
WATER LINE
SANITARY SEWER LINE
GAS LINE
ELECTRIC UNDERGROUND CABLE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE

LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGE
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION

POPULATION 23,257 (2016 CENSUS)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	PPMS NO.	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	DESCRIPTION
U000-151-198	P101	STP-5A01(763)	PENG	109309	876.97	0.166	876.97	0.166	PREL. ENGR.	Fr: US ROUTE 29 (FAIRFAX BLVD.) To: ROUTE 1681 (EATON PLACE)
	R201	STP-5B01(067)	ROW	109309	876.97	0.166	876.97	0.166	RIGHT OF WAY	Fr: US ROUTE 29 (FAIRFAX BLVD.) To: ROUTE 1681 (EATON PLACE)
	C501	STP-5B01(179)	CONSTR.	109309	876.97	0.166	876.97	0.166	CONSTRUCTION	Fr: US ROUTE 29 (FAIRFAX BLVD.) To: ROUTE 1681 (EATON PLACE)

NOTE: PROJECT LENGTH BASED ON CONSTRUCTION BASELINE

TIER 1 PROJECT

LOCALLY ADMINISTERED PROJECTS	
CITY OF FAIRFAX, VA	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
9/19/2019	DAVID SUMMERS
DATE	DIRECTOR, CITY OF FAIRFAX D.P.W.
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	DIRECTOR, CITY OF FAIRFAX D.P.W.

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 WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	IA

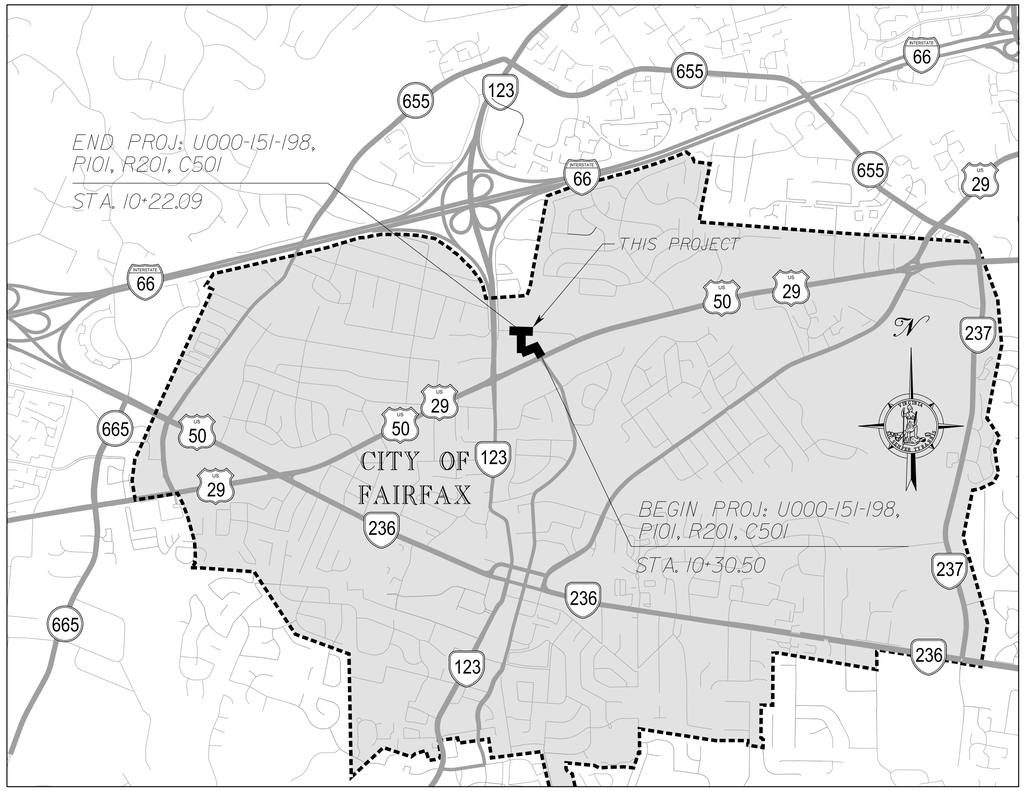
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

INDEX OF SHEETS

Total Cross Section Sheets: 10 (See cross section sheet number 1 for Index of Cross Sections)

LOCATION MAP

CITY OF FAIRFAX, VIRGINIA
UNIVERSITY DRIVE
Not To Scale



	PROJECT	SHEET NO.
	U000-151-198	IA

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
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COMMONWEALTH OF VIRGINIA
John H. Genthner
Lic. No. 3081
LAND SURVEYOR

Timmons Group
Richmond, Virginia
LAND SURVEYOR

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
10-31-19 06-12-20	VA.	9999	U000-151-198 P101	1B

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

RIGHT OF WAY DATA SHEET

PARCEL NO.	LANDOWNER	TAX PARCEL ID	SHEET NO.	AREA											PROFFER
				TOTAL	FEE TAKING	FEE REMAINDER	EASEMENTS								
							UTILITY			PERMANENT				TEMPORARY	
							PUBLIC	DOMINION	COX	DRAINAGE	PATH/SIDEWALK MAINTENANCE	DRAINAGE AND PATH MAINT.	SIGHT DISTANCE	TRAFFIC CONTROL	CONSTRUCTION	
				ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	YES/NO
001	FAIRFAX REGENCY, LLC	57 2 02 028B	03	6.062	0.501	5.561	-	-	-	-	0.027	-	-	-	0.118	NO
002	ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)	57 2 02 027	03, 3B	3.966	0.895	3.071	-	0.101	-	0.001	0.045	0.043	0.002	-	0.225	NO
003	FAIRFAX, LTD. II, LLC	57 2 02 002	03, 3B	2.090	0.000	2.090	-	0.014	-	-	0.015	-	0.007	-	0.079	NO
004	FAIRFAX HARBOR REAL ESTATE, LLC	57 2 02 025	03	2.553	0.000	2.553	-	0.014	-	-	-	-	-	-	0.017	NO
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DEMOLITION SUMMARY - UNIVERSITY DRIVE EXTENSION

SHEET NUMBER	PARCEL NUMBER	DEMOLITION NUMBER	LANDOWNER	ALIGNMENT & STATION	DESCRIPTION
3	002	D-901	ERWIN FOUR ACRES, LLC AND WALTER W. ERWIN	ST03, 12+00.00	TRAILER, DECK, & STAIRS

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
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SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISION DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO
	VA.	9999	U000-151-198 P101	IC

State Project: U000-151-198, P101, R201, C501
Federal Project: STP-5A01(763), STP-5B01(067), STP-5B01(179)
From: US ROUTE 29 (FAIRFAX BLVD)
To: ROUTE 1681 (EATON PLACE)
UPC Number: 109309

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

10-31-2019 - RIGHT OF WAY PLAN REVISION

SHEET 1B: PARCEL 005 REMOVED FROM DATA SHEET. SEE BELOW.

SHEET 3RW: ALL PROPOSED RIGHT OF WAY AND EASEMENTS REMOVED FROM MCKAY CHEVROLET PARCEL, PREVIOUSLY LISTED AS PARCEL 005. CONSTRUCTION LIMIT AND DRAINAGE IMPROVEMENTS EVALUATED TO ENSURE NO TEMPORARY OR PERMANENT IMPACTS TO PARCEL. PARCEL 005 NO LONGER INCLUDED IN LISTING FOR ACQUISITIONS. PARCELS 001 - 004 REMAIN UNCHANGED.

06-12-2020 - RIGHT OF WAY PLAN REVISION

SHEET 1B: PERM. SIGHT DIST. EASEMENT AND TEMP. CONSTR. EASEMENT VALUES UPDATED FOR PARCEL 003. SEE BELOW.

SHEET 3BRW: PERM. SIGHT DIST. EASEMENT LINEWORK UPDATED TO EXCLUDE CURB/PARKING LOT AREA OF PARCEL 003 FROM THE PERM. SIGHT. DIST. EASEMENT AREA. TEMP. CONSTR. EASEMENT LINEWORK UPDATED TO TIE TO THE REVISED SIGHT DIST. EASEMENT. STATION/OFFSET VALUES UPDATED.

	PROJECT	SHEET NO.
	U000-151-198	IC

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
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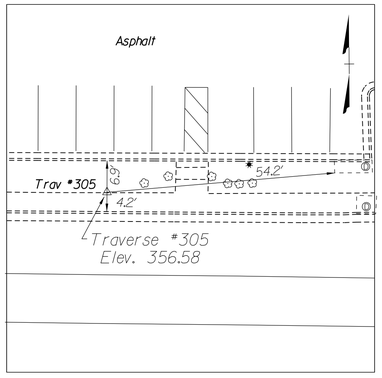
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	ID

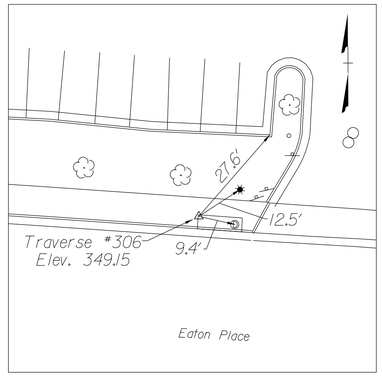
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Survey Control Data

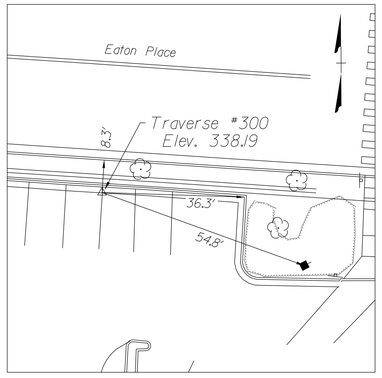
DETAILED SKETCH
(Not To Scale)



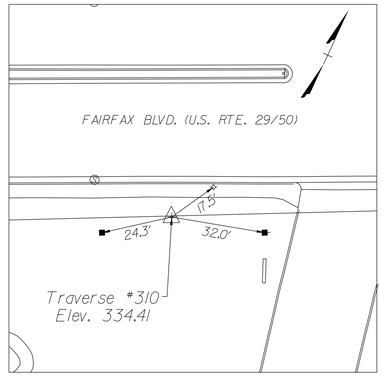
DETAILED SKETCH
(Not To Scale)



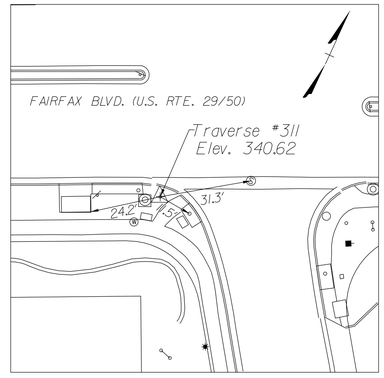
DETAILED SKETCH
(Not To Scale)



DETAILED SKETCH
(Not To Scale)



DETAILED SKETCH
(Not To Scale)



Beginning chain University Drive Traverse description

Point 305 N 6,998,911.58 E 11,823,043.55 Elev. 356.58 Sta 10+00.00
Course from 305 to 306 S 86°57' 45.48" E Dist 397.36
Point 306 N 6,998,890.52 E 11,823,440.36 Elev. 349.15 Sta 13+97.36
Course from 306 to 300 S 79°22' 30.66" E Dist 503.93
Point 300 N 6,998,797.61 E 11,823,935.64 Elev. 338.19 Sta 19+01.29
Course from 300 to 310 S 1°11' 20.61" W Dist 354.27
Point 310 N 6,998,443.42 E 11,823,928.29 Elev. 334.41 Sta 22+55.56
Course from 310 to 311 S 65°52' 26.59" W Dist 458.61
Point 311 N 6,998,255.96 E 11,823,509.74 Elev. 340.62 Sta 27+14.17

Ending chain University Drive Traverse description

UNIVERSITY DRIVE SURVEY ALIGNMENT

POINT ID	STATION	BEARING	PROJECT COORDINATES NORTH (Y)	EAST (X)
SS	10+00.00		6,998,911.5791	11,823,043.5510
		S 86° 57' 45" E		
PI	13+97.36		6,998,890.5239	11,823,440.3559
		S 79° 22' 31" E		
PI	19+01.29		6,998,797.6115	11,823,935.6427
		S 1° 11' 21" W		
PI	22+55.56		6,998,443.4153	11,823,928.2910
		S 65° 52' 27" W		
PI	27+14.17		6,998,255.9620	11,823,509.7426

Route : -
Project : U000-151-198
District : NOVA
County : Fairfax
From : 0.006 MI. NORTH OF US RTE.29 (FAIRFAX BLVD.)
To : 0.166 MI. NORTH OF US RTE.29 (FAIRFAX BLVD.)
Horizontal Datum Based On Virginia_State_Plane_Coordinate_System,_North_Zone,_NAD_1983
Vertical Datum Based On NGS Mean Sea Level
Survey By : Timmons Group
Operator : . .
Date : 03 - 02 - 18
Scale : 1" = 25'
UPC* : 109309

	PROJECT	SHEET NO.
	U000-151-198	ID

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

HORIZONTAL ALIGNMENT DATA SHEET

NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	IE

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

BEGIN CONSTRUCTION
STA. 47+85.26 EATON PL ℄

Curve EATON1
PI = 47+96.57
DELTA = 2° 50' 07.29" (LT)
D = 5° 43' 46"
T = 24.75'
L = 49.49'
R = 1,000.00'
PC = 47+71.82
PT = 48+21.31

PC 47+71.82
PT 48+21.31
POT 50+00.00
PC 51+26.15
PT 51+95.21
POT 56+00.00

S 89° 52' 01" E
S 89° 20' 13" E
S 86° 17' 35" E

Curve EATON2
PI = 51+60.69
DELTA = 3° 02' 37.61" (RT)
D = 4° 24' 27"
T = 34.54'
L = 69.06'
R = 1,300.00'
PC = 51+26.15
PT = 51+95.21

POT 52+06.74 EATON PLACE (RTE. 1681) CONSTR. ℄
PI 10+00.00 ST03 CONSTR. ℄
Δ = 97°01'50" RT.

EATON PLACE (RTE. 1681) CONSTR. ℄

END PROJECT
U000-151-198, P101, R201, C501

BEGIN CONSTRUCTION
STA. 10+22.09 ST03 ℄

END CONSTRUCTION
STA. 55+04.33 EATON PL ℄

END CONSTRUCTION
STA. 13+30.95 ST03 ℄

BEGIN CONSTRUCTION
STA. 13+37.66 ST02 ℄

ST03 CONSTR. ℄
S 10° 44' 15" W

Curve ENTR11
PI = 10+31.30
DELTA = 21° 24' 50.39" (LT)
D = 57° 17' 45"
T = 18.91'
L = 37.37'
R = 100.00'
PC = 10+12.39
PT = 10+49.76

POT 11+28.21
ENTRANCE #1 CONSTR. ℄
PT 10+49.76
PC 10+12.39
N 26° 34' 26" E
N 64° 59' 37" E
POT 11+03.70
ENTRANCE #2 CONSTR. ℄
N 47° 59' 17" E
N 84° 59' 29" E
ST02 CONSTR. ℄

END CONSTRUCTION
STA. 12+86.00 ST01 ℄
STA. 16+32.60 ST02 ℄

(A) POT 12+86.00 ST01 CONSTR. ℄
PI 16+32.60 ST02 CONSTR. ℄
Δ = 90°00'00" LT.
POT 12+86.00 ST01 CONSTR. ℄
PI 10+00.00 ENTRANCE #1 CONSTR. ℄
Δ = 90°00'00" RT.

(B) POT 12+76.15 ST01 CONSTR. ℄
PI 10+00.00 ENTRANCE #2 CONSTR. ℄
Δ = 90°00'00" LT.

(C) POT 12+69.55 ST01 CONSTR. ℄
PI 10+00.00 ENTRANCE #3 CONSTR. ℄
Δ = 90°00'00" LT.

BEGIN PROJECT
U000-151-198, P101, R201, C501

BEGIN CONSTRUCTION
STA. 10+30.50 ST01 ℄

S 28° 08' 24" W
PC 10+68.11
PT 11+00.58
S 25° 00' 23" E
POT 11+52.37
ENTRANCE #3 CONSTR. ℄
ST01 CONSTR. ℄
N 25° 00' 31" W

POT 10+00.00
N 64° 52' 45" E
PC 12+70.46
PT 13+26.62
POT 13+48.62 ST03 CONSTR. ℄
PI 13+79.45 ST02 CONSTR. ℄
Δ = 74°15'14" LT.

Curve ST02_3
PI = 12+98.83
DELTA = 20° 06' 44.18" (RT)
D = 35° 48' 36"
T = 28.37'
L = 56.16'
R = 160.00'
PC = 12+70.46
PT = 13+26.62

Curve ENTR31
PI = 10+85.62
DELTA = 53° 08' 46.24" (LT)
D = 163° 42' 08"
T = 17.51'
L = 32.47'
R = 35.00'
PC = 10+68.11
PT = 11+00.58

POT 28+00.00
N 64° 59' 29" E
POT 36+32.12 RTE. 29/50 (FAIRFAX BLVD) CONSTR. ℄
PI 10+00.00 ST01 CONSTR. ℄
Δ = 90°00'00" LT.

POT 33+00.00
RTE. 29/50 (FAIRFAX BLVD) CONSTR. ℄

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-198	IE

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
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ALIGNMENT DATA SHEET

NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	IF

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

EATON PLACE (RTE. 1681) CONSTRUCTION BASELINE

Chain EATON contains:
EATON01 CUR EATON1 EATON4 CUR EATON2 EATON8

Beginning chain EATON description
****

Point EATON01 N 6,998,883.2740 E 11,823,002.2250 Sta 50+00.00

Course from EATON01 to PC EATON1 S 89° 20' 12.80" E Dist 126.1469

Curve Data

Curve EATON1
P.I. Station 47+96.57 N 6,998,883.7460 E 11,822,798.7824
Delta = 2° 50' 07.29" (LT)
Degree = 5° 43' 46.48"
Tangent = 24.7482
Length = 49.4863
Radius = 1,000.0000
External = 0.3062
Long Chord = 49.4813
Mid.Ord. = 0.3061
P.C. Station 47+71.82 N 6,998,885.0276 E 11,822,774.0674
P.T. Station 48+21.31 N 6,998,883.6886 E 11,822,823.5306
C.C. N 6,999,883.6859 E 11,822,825.8507
Back = S 87° 01' 54.15" E
Ahead = S 89° 52' 01.44" E
Chord Bear = S 88° 26' 57.80" E

Course from PT EATON1 to EATON4 S 89° 52' 01.44" E Dist 178.6949

Point EATON4 N 6,998,883.2740 E 11,823,002.2250 Sta 50+00.00

Course from EATON4 to PC EATON2 S 89° 20' 12.80" E Dist 126.1469

Curve Data

Curve EATON2
P.I. Station 51+60.69 N 6,998,881.4143 E 11,823,162.8998
Delta = 3° 02' 37.61" (RT)
Degree = 4° 24' 26.52"
Tangent = 34.5387
Length = 69.0612
Radius = 1,300.0000
External = 0.4587
Long Chord = 69.0531
Mid.Ord. = 0.4586
P.C. Station 51+26.15 N 6,998,881.8141 E 11,823,128.3634
P.T. Station 51+95.21 N 6,998,879.1813 E 11,823,197.3663
C.C. N 6,997,581.9011 E 11,823,113.3182
Back = S 89° 20' 12.80" E
Ahead = S 86° 17' 35.19" E
Chord Bear = S 87° 48' 53.99" E

Course from PT EATON2 to EATON8 S 86° 17' 35.19" E Dist 354.7920

Point EATON8 N 6,998,856.2432 E 11,823,551.4159 Sta 55+50.00

****
Ending chain EATON description

RTE. 29/50 (FAIRFAX BLVD) COOL CONSTRUCTION BASELINE

Chain FRFX contains:
FRFX01 FRFX02

Beginning chain FRFX description
****

Point FRFX01 N 6,998,158.4335 E 11,823,216.0275 Sta 33+00.00

Course from FRFX01 to FRFX02 N 64° 59' 29.28" E Dist 499.9990

Point FRFX02 N 6,998,369.8097 E 11,823,669.1490 Sta 38+00.00

****
Ending chain FRFX description

ST01 CONSTRUCTION CENTERLINE

Chain ST01 contains:
ST011 ST012

Beginning chain ST01 description
Feature: - 25 Scale Baselines
****

Point ST011 N 6,998,298.8400 E 11,823,517.0131 Sta 10+00.00

Course from ST011 to ST012 N 25° 00' 30.72" W Dist 285.9988

Point ST012 N 6,998,558.0249 E 11,823,396.1062 Sta 12+86.00

****
Ending chain ST01 description

ST02 CONSTRUCTION CENTERLINE

Chain ST02 contains:
ST021 CUR ST02_3 ST025

Beginning chain ST02 description
****

Point ST021 N 6,998,401.9725 E 11,822,792.4667 Sta 10+00.00

Course from ST021 to PC ST02_3 N 64° 52' 45.10" E Dist 270.4574

Curve Data

Curve ST02_3
P.I. Station 12+98.83 N 6,998,528.8348 E 11,823,063.0331
Delta = 20° 06' 44.18" (RT)
Degree = 35° 48' 35.50"
Tangent = 28.3740
Length = 56.1641
Radius = 160.0000
External = 2.4964
Long Chord = 55.8761
Mid.Ord. = 2.4581
P.C. Station 12+70.46 N 6,998,516.7893 E 11,823,037.3429
P.T. Station 13+26.62 N 6,998,531.3120 E 11,823,091.2987
C.C. N 6,998,371.9229 E 11,823,105.2674
Back = N 64° 52' 45.10" E
Ahead = N 84° 59' 29.28" E
Chord Bear = N 74° 56' 07.19" E

Course from PT ST02_3 to ST025 N 84° 59' 29.28" E Dist 305.9758

Point ST025 N 6,998,558.0249 E 11,823,396.1062 Sta 16+32.60

****
Ending chain ST02 description

ST03 CONSTRUCTION CENTERLINE

Chain ST03 contains:
ST031 ST032

Beginning chain ST03 description
Feature: - 25 Scale Baselines
****

Point ST031 N 6,998,878.4359 E 11,823,208.8728 Sta 10+00.00

Course from ST031 to ST032 S 10° 44' 15.10" W Dist 348.6159

Point ST032 N 6,998,535.9239 E 11,823,143.9221 Sta 13+48.62

****
Ending chain ST03 description

ENTRANCE #2 CONSTRUCTION CENTERLINE

Chain ENTR2 contains:
ENTR201 ENTR202

Beginning chain ENTR2 description
****

Point ENTR201 N 6,998,549.0960 E 11,823,400.2714 Sta 10+00.00

Course from ENTR201 to ENTR202 N 64° 59' 37.28" E Dist 103.6988

Point ENTR202 N 6,998,592.9314 E 11,823,494.2497 Sta 11+03.70

****
Ending chain ENTR2 description

ENTRANCE #1 CONSTRUCTION CENTERLINE

Chain ENTR1 contains:
ENTR101 CUR ENTR11 ENTR102

Beginning chain ENTR1 description
****

Point ENTR101 N 6,998,558.0249 E 11,823,396.1062 Sta 10+00.00

Course from ENTR101 to PC ENTR11 N 47° 59' 16.72" E Dist 12.3903

Curve Data

Curve ENTR11
P.I. Station 10+31.30 N 6,998,578.9724 E 11,823,419.3609
Delta = 21° 24' 50.39" (LT)
Degree = 57° 17' 44.81"
Tangent = 18.9078
Length = 37.3745
Radius = 100.0000
External = 1.7718
Long Chord = 37.1573
Mid.Ord. = 1.7410
P.C. Station 10+12.39 N 6,998,566.3176 E 11,823,405.3122
P.T. Station 10+49.76 N 6,998,595.8828 E 11,823,427.8193
C.C. N 6,998,640.6181 E 11,823,338.3836
Back = N 47° 59' 16.72" E
Ahead = N 26° 34' 26.33" E
Chord Bear = N 37° 16' 51.52" E

Course from PT ENTR11 to ENTR102 N 26° 34' 26.33" E Dist 78.4448

Point ENTR102 N 6,998,666.0405 E 11,823,462.9119 Sta 11+28.21

****
Ending chain ENTR1 description

ENTRANCE #3 CONSTRUCTION CENTERLINE

Chain ENTR3 contains:
ENTR301 CUR ENTR31 ENTR302

Beginning chain ENTR3 description
****

Point ENTR301 N 6,998,543.1154 E 11,823,403.0613 Sta 10+00.00

Course from ENTR301 to PC ENTR31 S 28° 08' 23.52" W Dist 68.1117

Curve Data

Curve ENTR31
P.I. Station 10+85.62 N 6,998,467.6176 E 11,823,362.6818
Delta = 53° 08' 46.24" (LT)
Degree = 163° 42' 08.02"
Tangent = 17.5061
Length = 32.4652
Radius = 35.0000
External = 4.1339
Long Chord = 31.3137
Mid.Ord. = 3.6972
P.C. Station 10+68.11 N 6,998,483.0545 E 11,823,370.9381
P.T. Station 11+00.58 N 6,998,451.7525 E 11,823,370.0819
C.C. N 6,998,466.5476 E 11,823,401.8011
Back = S 28° 08' 23.52" W
Ahead = S 25° 00' 22.72" E
Chord Bear = S 1° 34' 00.40" W

Course from PT ENTR31 to ENTR302 S 25° 00' 22.72" E Dist 51.7915

Point ENTR302 N 6,998,404.8159 E 11,823,391.9751 Sta 11+52.37

****
Ending chain ENTR3 description

	PROJECT	SHEET NO.
	U000-151-198	IF

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	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

EXISTING CONDITIONS AND DEMOLITION PLAN

PARCEL 001 WORK PERFORMED BY OTHERS

THE SURVEY DATA USED FOR THIS PLAN WAS COLLECTED WHILE PARCEL 001 WAS UNDER CONSTRUCTION FOR A MAJOR DEMOLITION AND REDEVELOPMENT PROJECT. SINCE THAT TIME, A MAJORITY OF THE REDEVELOPMENT WORK HAS TAKEN PLACE AND EXISTING CONDITIONS AT THE TIME OF ROAD CONSTRUCTION MAY VARY FROM WHAT IS SHOWN HEREIN. THE REDEVELOPMENT PROJECT COMPLETED THE MAJORITY OF WORK SHOWN ALONG ST 01 THEREFORE THESE PLANS HAVE BEEN ANNOTATED AS SUCH. IN THE EVENT THAT FIELD CONDITIONS VARY FROM WHAT IS SHOWN AS PROPOSED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY TO ENSURE APPROPRIATE RESOLUTION. THE CONTRACTOR MAY BE REQUIRED TO COMPLETE MINOR MODIFICATIONS AT CURB CONNECTIONS, RAMPS, AND/OR OTHER TIE-IN POINTS BETWEEN THE WORK PROPOSED WITH THIS PROJECT AND THAT WHICH IS PREVIOUSLY COMPLETED BY OTHERS. MINOR ALTERATIONS OF CURBS, SIDEWALKS, ASPHALT, AND/OR OTHER MISC. WORK ITEMS REQUIRED TO APPROPRIATELY COMPLETE TIE-INS AS NOTED SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS FOR LIKE WORK.

FAIRFAX REGENCY, LLC
D.B. 19329, PG. 1549
D.B. 25751, PG. 1368
PIN 57 2 02 028B
6.062 ACRES
001

ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES
002

FAIRFAX, LTD, II, LLC
D.B. 22589, PG. 1226
D.B. 4523, PG. 478
D.B. 3260 PG. 382 (PLAT)
PARCEL 1B
SUBDIVISION OF THE PROPERTY OF FAIRFAX MOTEL CORPORTATION & SAMUEL W. EATON
PIN 57 2 02 002
2.090 ACRES
003

FAIRFAX HARBOR REAL ESTATE, LLC
D.B. 25434, PG. 847
PIN 57 2 02 025
2.553 ACRES
004

MCKAY CHEVROLET, INC.
D.B. 3124, PG. 321
PIN 57 2 02 024
2.701 ACRES

MATCHLINE SHEET IG(2) - STA. 11+00.00

EXIST. BUILDING TO BE DEMOLISHED BY OTHERS **

REMOVE EXIST. FENCE

REMOVE EXIST. PIPE BTWN. STR. 3-8 (UPSTREAM) & 5' OFFSET FROM TCE (DOWNSTREAM)

CAP EXIST. PIPE DOWNSTREAM OF CUT

TO BE REMOVED

ALL UTILITIES TO TRAILER SHALL BE DISCONNECTED. PRICE FOR UTILITY DISCONNECTION AND REMOVAL SHALL BE INCLUDED IN THE PRICE FOR DEMOLITION.

TO BE REMOVED (TYP.)

D-901

** NOTE:
ASSUMES EXISTING SHOPPING CENTER BUILDING(S) ARE TO BE REMOVED BY OTHERS PRIOR TO R.O.W. ACQUISTION AND/OR CONSTRUCTION.

(UR) INDICATES EXIST. UTILITIES TO BE RELOCATED, REMOVED, AND/OR ABANDONED BY OTHERS. CONTACT ENGINEER FOR DETAILS OF SPECIFIC FACILITIES. NOTE THAT ADDITIONAL PRIVATE UTILITIES MAY BE INSTALLED PRIOR TO CONSTRUCTION PER ONGOING DEVELOPMENT ON PARCEL NO. 001 - THESE UTILITIES HAVE BEEN COORDINATED WITH THE DEVELOPER TO ENSURE ADEQUATE CLEARANCE - CONTRACTOR SHALL CONFIRM BY POSITIVELY LOCATING ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK IN THE VICINITY OF UTILITIES.

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	IG(1)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	1G(2)

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

EXISTING CONDITIONS AND DEMOLITION PLAN

PDC EATON PLACE LLC
D.B. 24243, PG. 1610
D.B. 3710 PG. 585 (PLAT)
PIN 47 4 02 002 C
3.531 ACRES

U.S. BANK NATIONAL ASSOCIATION, AS TRUSTEE, AS SUCCESSOR-IN-INTEREST TO BAK OF AMERICA, NATIONAL ASSOCIATION, AS TRUSTEE, AS SUCCESSOR-BY-MERGER TO LASALLE BANK NATIONAL ASSOCIATION, AS TRUSTEE FOR THE REGISTERED HOLDERS OF LB-UBS COMMERCIAL MOTGAGE TRUST 2006-C6, COMMERCIAL MOTGAGE PASS-THROUGH CERTIFICATES, SERIES 2006-C6
D.B. 24622, PG. 1090
PIN 47 4 02 02 002
4.494 ACRES

003
FAIRFAX, LTD. II, LLC
D.B. 22589, PG. 1226
D.B. 4523, PG. 478
D.B. 3260 PG. 382 (PLAT)
PARCEL 1B
SUBDIVISION OF THE PROPERTY OF FAIRFAX MOTEL CORPORTATION & SAMUEL W. EATON
PIN 57 2 02 002
2.090 ACRES

002
ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES

001
FAIRFAX REGENCY, LLC
D.B. 19329, PG. 1549
D.B. 25751, PG. 1368
PIN 57 2 02 028B
6.062 ACRES

MATCHLINE SHEET 1G(1) - STA. 11+00.00

TO BE REMOVED (TYP.)

REMOVE EXIST. CURB & GUTTER & ENTRANCE

REMOVE EXIST. FENCE

REMOVE EXIST. FENCE FOR CONSTRUCTION ENTRANCE ACCESS (SEE SHEET 2C(3)). REPLACE FOLLOWING CONSTRUCTION COMPLETION.

(UR) INDICATES EXIST. UTILITIES TO BE RELOCATED, REMOVED, AND/OR ABANDONED BY OTHERS. CONTACT ENGINEER FOR DETAILS OF SPECIFIC FACILITIES. NOTE THAT ADDITIONAL PRIVATE UTILITIES MAY BE INSTALLED PRIOR TO CONSTRUCTION PER ONGOING DEVELOPMENT ON PARCEL NO. 001 - THESE UTILITIES HAVE BEEN COORDINATED WITH THE DEVELOPER TO ENSURE ADEQUATE CLEARANCE - CONTRACTOR SHALL CONFIRM BY POSITIVELY LOCATING ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK IN THE VICINITY OF UTILITIES.

** NOTE:
ASSUMES EXISTING SHOPPING CENTER BUILDING(S) ARE TO BE REMOVED BY OTHERS PRIOR TO R.O.W. ACQUISTION AND/OR CONSTRUCTION.

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	1G(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	IH

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

UNDERGROUND UTILITIES TEST HOLE INFORMATION SHEET

Underground Utility Test Hole Information Sheet

Plan Sheet	Test Hole No.	Alignment	Station	Offset	Side	Owner	Type of Facility	Elevation (ft) (1)	Cover (ft) (2)	Vertical Conflict (3)	Remarks (4)	Utility Adjustment Required (5)
3	1	University Drive									TEST HOLES HAVE NOT BEEN PROVIDED FOR THIS PLAN DUE TO LIMITED UNDERGROUND IMPACTS AND RESTRICTED ACCESS. AT THE TIME OF CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE TEST HOLES WHERE REQUIRED, SPECIFICALLY FOR UNDERGROUND DUCT BANK INSTALLATION PRIOR TO START OF THE WORK. IF EXISTING UTILITIES ARE FOUND IN CONFLICT WITH THE PROPOSED PLAN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK. THE COST OF UTILITY INVESTIGATION SHALL BE CONSDIERED INCIDENTAL TO THE COST OF OTHER WORK. REMEDIATION OR ADJUSTMENTS MADE WITHOUT CONSULTATION WITH THE ENGINEER WILL BE AT THE CONTRACTOR'S OWN RISK.	

UTILITY OWNER INFORMATION

MISS UTILITY 1-800-257-7777

DOMINION ENERGY
FACILITY.LOCATE.REQUEST@DOMINIONENERGY.COM
1-866-366-4357

FAIRFAX WATER
BOBBY COTTON
8560 ARLINGTON BLVD
FAIRFAX, VA 22031
RCOTTEN@FAIRFAXWATER.ORG

WASHINGTON NATURAL GAS
ROGER GAULT
6801 INDUSTRIAL ROAD
SPRINGFIELD, VA 22151
RGAULT@WASHGAS.COM

ZAYO COMMUNICATIONS
BRAD LEATHERMAN
13861 SUNRISE VALLEY DR., SUITE 450
HERNDON, VA 20171
BRADLEY.LEATHERMAN@ZAYO.COM

FIBERLIGHT COMMUNICATIONS
PETE ZDEBSKI
45472 HOLIDAY DRIVE, SUITE 10
STERLING, VA 20166
PETE.ZDEBSKI@FIBERLIGHT.COM

VERIZON BUSINESS (FORMERLY MCI)
ADAM RICE
12379 SUNRISE VALLEY DRIVE, SUITE A
RESTON, VA 20191
ADAM.RICE@VERIZON.COM

COX COMMUNICATIONS
THOMAS PORTER
3080 CENTREVILLE ROAD
HERNDON, VA 20171
THOMAS.PORTER@COX.COM

AT&T COMMUNICATIONS
SANDRA BRAXTON
7777 LEESBURG PIKE, SUITE 100N
FALLS CHURCH, VA 22043

VERIZON VIRGINIA
SCOTT SISK
22001 LOUDON COUNTY PKWY
ASHBURN, VA 20147
SCOTT.N.SISK@VERIZON.COM

(1) ELEVATIONS SHOWN ARE TO THE TOP OF THE FACILITY UNLESS OTHERWISE NOTED.

(2) DEPTHS ARE MEASURED FROM THE EXISTING-GROUND ELEVATIONS.

(3) YES OR NO; NO INDICATES NO DIRECT CONFLICT. HOWEVER, CLEARANCES MAY BE LESS THAN ACCEPTABLE TO UTILITY OWNER.

(4) REMARKS ARE MADE BY THE ENGINEER AND ARE INTENDED FOR GENERAL INTERPRETATION ONLY. THE CONTRACTOR AND/OR UTILITY OWNERS SHALL FORM INDEPENDENT OPINIONS OF CONFLICT BY REVIEWING THE INFORMATION PROVIDED.

(5) YES OR NO; INFORMATION TO BE PROVIDED BY THE VDOT DISTRICT UTILITY ENGINEER.

NOTE: TEST HOLE DATA TO BE INCLUDED UPON COMPLETION OF FIELD WORK.

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

TRANSPORTATION MANAGEMENT PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	IJ(1)

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

GENERAL

1. THIS PROJECT IS CLASSIFIED AS TYPE A, CATEGORY II.
2. THE PROJECT LENGTH IS APPROXIMATELY 0.16 MILES. THE WIDTH OF EACH WORK ZONE IS LESS THAN 80' IN MOST AREAS.
3. THE PURPOSE OF THIS PROJECT IS TO PROVIDE A NEW ROADWAY BETWEEN FAIRFAX BOULEVARD (ROUTE 29) AND EATON PLACE JUST NORTH OF UNIVERSITY DRIVE. THIS INVOLVES THE CONSTRUCTION OF A NEW ROAD, A MINI ROUNDABOUT, TURN LANES, ON STREET PARKING, BICYCLE AND PEDESTRIAN ACCOMMODATIONS, TRAFFIC SIGNAL MODIFICATIONS, DRAINAGE IMPROVEMENTS, AND LANDSCAPING.
4. TRAFFIC ALONG THE NEARBY ROADS CONSISTS OF COMMUTERS AND LOCAL RESIDENTS.
5. THE EXISTING SPEED LIMIT FOR FAIRFAX BOULEVARD AND EATON PLACE IS 35 MPH AND 25 MPH RESPECTIVELY. ALL EXISTING SPEED LIMITS WILL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.

TEMPORARY TRAFFIC CONTROL (TTC)/ MAINTENANCE OF TRAFFIC (MOT):

6. LANE CLOSURES AND SHOULDER CLOSURES ARE ANTICIPATED FOR THIS PROJECT AND WILL BE IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL, 2011 EDITION (SEPTEMBER 1, 2019, REVISION). THE FOLLOWING TEMPORARY TRAFFIC MEASURES SHALL BE USED:
   - 6.1. TYPICAL TRAFFIC CONTROL, STATIONARY OPERATION ON A SHOULDER (FIGURE TTC-4.2)
   - 6.2. TYPICAL TRAFFIC CONTROL, SHOULDER OPERATION WITH MINOR ENCROACHMENT (FIGURE TTC-5.2)
   - 6.3. TYPICAL TRAFFIC CONTROL, OUTSIDE LANE CLOSURE OPERATION ON A FOUR-LANE ROADWAY (FIGURE TTC-16.2)
7. ALL DIMENSIONS SHOWN FOR SIGN PLACEMENT SHALL BE PROVIDED TO THE MAXIMUM EXTENT PRACTICAL SHOWN IN THE APPROPRIATE TTC FIGURES. SHOULD ADJUSTMENTS BE REQUIRED, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO SIGN PLACEMENT.
8. NEGATIVE IMPACTS TO THE TRAVELING PUBLIC SHALL BE MINIMIZED IN EVERY WAY POSSIBLE. AS SUCH, DURING PEAK TIMES AND HOLIDAYS, ALL LANES OF TRAFFIC SHALL BE MAINTAINED IN BOTH DIRECTIONS. SEE THE "GENERAL NOTES" PORTION OF THIS PLAN SHEET FOR MORE INFORMATION.
9. ACCESS TO ALL ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH ADJACENT USERS AND/OR CONTRACTOR TO ENSURE ADEQUATE ACCESS.

PUBLIC COMMUNICATION PLAN:

10. IF ANY MAJOR TRAFFIC CHANGES ARE TO TAKE PLACE (LANE CLOSURES, ETC.), THE CONTRACTOR SHALL ENSURE THAT THE LOCAL NEWSPAPERS AND RADIO STATIONS ARE INFORMED 72 HOURS IN ADVANCE OF THE CHANGE.
11. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE USED TO NOTIFY THE TRAVELING PUBLIC OF ANY SUCH MAJOR TRAFFIC CHANGES 72 HOURS IN ADVANCE OF THE CHANGE. PCMS SHALL REMAIN IN PLACE 48 HOURS AFTER CHANGE IS IMPLEMENTED.

TRANSPORTATION OPERATION PLAN:

12. THE CONTRACTOR SHALL NOTIFY THE "NORTHERN REGION OPERATION TRAFFIC OPERATIONS CENTER" (NROTOC). WHEN A LANE CLOSURE IS TO BE IMPLENTED, AND AGAIN WHEN IT IS REMOVED. THE NROTOC WILL IN TURN PLACE THE INFORMATION INTO THE "511 VIRGINIA" TRAFFIC ALERT SYSTEM (A SERVICE OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEM).
13. THE CONTRACTOR SHALL USE THE VDOT LCAMS (LANE CLOSURE ADVISORY MANAGEMENT SYSTEM) FOR SCHEDULING LANE CLOSURES. THE CONTRACTOR SHALL INPUT PLANNED LANE CLOSURES FOR THE UPCOMING WEEK INTO LCAMs SYSTEM AND SUBMIT (EMAIL/FAX) THE LCAMs TICKET NUMBER TO THE AREA CONSTRUCTION ENGINEER AND PROJECT PERSONNEL BY 12:00 PM ON TUESDAY OF THE WEEK PRIOR TO PLANNED LANE CLOSURE OPERATIONS.
14. THE FOLLOWING IS A LIST OF CONTACT NUMBERS:
    EMERGENCY: 911
    FIRE RESCUE: 703-385-7940
    CITY OF FAIRFAX POLICE: 703-385-7940
    STATE POLICE: 703-803-2660
    ENGINEER CONTACT: NICK SOUCIE, TIMMONS GROUP: 804-200-6431
    NORTHERN REGIONAL TRAFFIC OPERATIONS CENTER: 703-554-6712
    PUBLIC AFFAIRS: JENNI McCORD, 703-259-1779
    VDOT NORTHERN VIRGINIA DISTRICT: 800-367-7623
    DISTRICT WORK ZONE SAFETY COORDINATOR: GEOF SARMAC, 703-259-1985
    CITY OF FAIRFAX: WENDY SANFORD, TRANSPORTATION DIRECTOR 703-385-7889
15. ANY TRAFFIC INCIDENT THAT OCCURS DURING THE LIFE OF THIS PROJECT WILL BE DISCUSSED BY THE CONTRACTOR, ENGINEER, VDOT PERSONNEL (AS REQUIRED), AND THE CITY PROJECT PERSONNEL TO DETERMINE WHETHER ANY CHANGES NEED TO BE MADE TO THE TRAFFIC CONTROL ON THE PROJECT.

TRANSPORTATION OPERATION PLAN:

16. ANY REQUIRED LANE CLOSURES MUST BE APPROVED IN ADVANCE BY THE CITY OF FAIRFAX TRANSPORTATION DEPARTMENT.
17. ALLOWABLE WORK HOURS AND ALLOWABLE LANE CLOSURE HOURS SHALL BE LIMITED TO THOSE SHOWN ON SHEET 2, UNLESS OTHERWISE APPROVED BY THE CITY OF FAIRFAX TRANSPORTATION DIRECTOR.
18. TRAFFIC SHALL NOT BE STOPPED ON FAIRFAX BOULEVARD (ROUTE 29) OR EATON PLACE FOR LONGER THAN FIVE MINUTES AT ANY TIME UNLESS OTHERWISE APPROVED BY THE CITY.
19. ALL AREAS EXCAVATED DEEPER THAN TWO INCHES (2") BELOW EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE, AT THE CONCLUSION OF EACH WORK DAY, SHALL BE BACK FILLED TO FORM AN APPROXIMATE 6:1 WEDGE AGAINST THE PAVEMENT SURFACE FOR THE SAFETY AND PROTECTION OF VEHICULAR TRAFFIC. ALL COST FOR PLACING, MAINTAINING AND REMOVING THE 6:1 WEDGE SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
20. LANE CLOSURES WILL NOT BE PERMITTED ON HOLIDAYS OR WEEKENDS UNLESS OTHERWISE APPROVED IN ADVANCE BY THE DIRECTOR OF PUBLIC WORKS.
21. ANY CONTRACT ITEM(S) NOT SPECIFICALLY NOTED IN THE MAINTENANCE OF TRAFFIC MAY BE SCHEDULED FOR CONSTRUCTION AT THE CONTRACTOR'S OPTION, AS APPROVED BY THE ENGINEER, THE CITY, AND VDOT.
22. VEHICULAR AND PEDESTRIAN ACCESS TO ADJACENT PROPERTIES AND CONNECTING STREETS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. PROPERTY OWNERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY ACTIVITIES WHICH WOULD IMPEDE ACCESS TO THEIR PROPERTY. IN ALL CASES IN WHICH EXISTING OR ESTABLISHED TRAFFIC PATTERNS WILL BE DISTRIBUTING, THE CONTRACTOR WILL NOTIFY ALL AFFECTED RESIDENTS AND/OR BUSINESSES A MINIMUM OF 48 HOURS IN ADVANCE OF THE ANTICIPATED DISRUPTION BY DISTRIBUTING DOOR-TO-DOOR NOTICES. A COPY OF THE NOTICE SHALL BE FORWARDED TO THE PROJECT ENGINEER, THE CITY, AND/OR VDOT FOR REVIEW AND APPROVAL PRIOR TO THE BEGINNING OF WORK.
23. THE FINAL SURFACE COURSE IS NOT TO BE PLACED UNTIL SUCH TIME THAT PERMANENT PAVEMENT MARKINGS CAN BE PLACED.
24. ALL TRAFFIC CONTROL SHALL BE SET UP AND SPACED ACCORDING TO THE VIRGINIA WORK AREA PROTECTION MANUAL, 2011 EDITION, (SEPTEMBER 1, 2019 REVISION)
25. CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL AS DIRECTED BY THE CITY AND/OR VDOT, SHOULD FIELD CONDITIONS WARRANT.
26. CONTRACTOR MAY REDUCE EXISTING LANE WIDTHS TO 10' MINIMUM DURING CONSTRUCTION. ANY TEMPORARY PAVEMENT MARKINGS THAT ARE REQUIRED ARE THE RESPONSIBILITY OF THE CONTRACTOR.
27. CONTRACTOR IS RESPONSIBLE FOR PLACEMENT AND MAINTENANCE OF ALL TEMPORARY PAVEMENT MARKINGS THAT ARE REQUIRED OR IMPLIED IN THE TTC DIAGRAMS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL DEVICES, SIGNAGE, EQUIPMENT, PERSONNEL, INCLUDING CERTIFIED TRAFFIC CONTROL PERSONNEL, ETC. TO CONTROL TRAFFIC DURING CONSTRUCTION WITHIN VDOT AND/OR CITY MAINTAINED RIGHT-OF-WAY, ALL TRAFFIC CONTROL SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS, GUIDLINES, POLICIES, AND OBJECTIVES OF THE LATEST EDITION OF THE VIRGINIA WORK AREA PROTECTION MANUAL, MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ALL CITY AND/OR VDOT PERMITS.
28. AT NO TIME SHALL CONSTRUCTION TAKE PLACE ON BOTH THE RIGHT AND LEFT SIDES OF VEHICLES UNLESS SPECIFIED BY THE CITY AND/OR VDOT.
29. ALL CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE STORED OFF-SITE OR OUTSIDE OF FAIRFAX BLVD/EATON PLACE CLEAR ZONE/SIGHT DISTANCE RESTRICTIVE AREAS.
30. EMERGENCY VEHICLE AND ALL MAIL ROUTES ACCESS SHALL BE MAINTAINED AT ALL TIMES.

SEQUENCE OF CONSTRUCTION SOC:

THE FOLLOWING SEQUENCE OF CONSTRUCTION IS A RECOMMENDATION PROVIDED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR ANY CHANGES TO THIS PLAN RESULTING FROM ADJUSTMENTS TO THE RECOMMENDED SEQUENCING. ALL PHASES OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS PROVIDED IN THIS PLAN SET. THE GENERAL SEQUENCE SHALL BE TO CONSTRUCT THE IMPROVEMENTS ALONG THE NEW ROAD ALIGNMENT OUTSIDE OF EXISTING TRAFFIC PATERNS TO THE GREATEST EXTENT PRACTICAL, AND THEN TO MAKE FINAL CONNECTIONS TO THE EXISTING ROADWAYS AS A SECOND PHASE OF WORK.

PHASE 1

TRAFFIC SHALL BE MAINTAINED IN GENERAL ACCORDANCE WITH TTC-4.2 AND TTC-5.2 DURING THIS PHASE OF CONSTRUCTION, AS PRESCRIBED IN THE GENERAL NOTES, TTC/MOT NOTES, AND THROUGH THE USE OF GROUP II CHANNELIZING DEVICES AND PROPER SIGNAGE. ADJACENT ENTRANCES ALONG EATON PLACE AND FAIRFAX BOULEVARD SHALL REMAIN OPEN TO VEHICULAR TRAFFIC DURING CONSTRUCTION. THIS WORK WILL PRIMARILY TAKE PLACE OUTSIDE OF AND BETWEEN THE FAIRFAX BOULEVARD AND EATON PLACE CORRIDORS, AND THEREFORE OUTSIDE OF TRAFFIC.

1-1 INSTALL ALL SIGNING FOR PROJECT LIMITS; COMMENCE CLEARING, SITE PREPARATION, AND INSTALLATION OF EROSION CONTROL MEASURES IN ACCORDANCE WITH THE PROVIDED PLAN. ALL DEMOLITION, REMOVAL, OR ADJUSTMENTS OF EXISTING FACILITIES SHALL BE COMPLETED. INITIAL CONSTRUCTION CONSISTS OF CLEARING, GRUBBING AND SITE PREPARATION OPERATIONS ALONG THE NEW ROAD ALIGHMENT.

1-2 COMMENCE WORK ACTIVITIES FOR THE NEW ROADWAY ALIGNEMENT TO INCLUDE: GRADING, DRAINAGE, AGGREGATE, CURB AND GUTTER, SIDEWALK, PAVEMENT, ROUNDABOUT ISLANDS, MISC. CONCRETE, ETC.. PAVEMENT SHALL BE PLACED UP TO THE INTERMEDIATE COURSE ONLY, WITH THE FINAL SURFACE COURSE TO BE PLACED IN ONE OPERATION AT THE END OF PHASE 2.

1-3 PERFORM FINAL GRADING OPERATIONS FOR THE WORK AREA SUBSTANTIALLY COMPLETED DURING THIS PHASE. SEEDING AND STABILIZATION SHALL BE COMPLETED AS APPROPRIATE.

PHASE 2

TRAFFIC SHALL BE MAINTAINED IN GENERAL ACCORDANCE WITH TTC-5.2 AND TTC-16.2 DURING THIS PHASE OF CONSTRUCTION, AS PRESCRIBED IN THE GENERAL NOTES, TTC/MOT NOTES, AND THROUGH THE USE OF GROUP II CHANNELIZING DEVICES AND PROPER SIGNAGE. THIS PHASE OF WORK WILL COMPLETE THE CONNECTIONS AND FINAL INTERSECTION IMPROVEMENTS AT THE FAIRFAX BOULEVARD AND EATON PLACE INTERSECTIONS. THIS WORK WILL ALSO COMPLETE THE SIDEWALK IMPROVEMENTS ALONG EATON PLACE.

2-1 INSTALL ALL SIGNING AND TRAFFIC CONTROL DEVICES PRIOR TO INITIATING WORK WITHIN THE EXISTING ROADWAY CORRIDORS; COMMENCE FINAL SITE PREPARATION FOR WORK AT THE ROADWAY INTERSECTIONS.

2-2 CONSTRUCT TIE-INS / PROPOSED INTERSECTIONS AT FAIRFAX BOULEVARD AND EATON PLACE. WORK CONSISTS OF SAW CUTS, PAVEMENT TIE-INS, SIDEWALK CONNECTIONS, AND FINAL GRADING. TRAFFIC SIGNAL MODIFICATIONS TO BE MADE AT THIS TIME WHILE MAINTAINING EXISTING OPERATIONS.

2-3 PERFORM FINAL SURFACE COURSE PAVING FOR THE ENTIRE PROJECT AND INSTALL PAVEMENT MARKINGS PER PROVIDED PLANS. FINAL IMPROVEMENTS TO INCLUDE LANDSCAPING, STORMWATER, AND LIGHTING SHALL FOLLOW.

2-4 UPON COMPLETION OF ALL WORK AND SITE CLEAN-UP, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (AS APPROVED BY THE CITY/ENGINEER) AND ALL TEMPORARY TRAFFIC CONTROL DEVICES.

GREGORY T. STECHER
ADVANCED WORK ZONE TRAFFIC CONTROL
VERIFICATION #071216003

	PROJECT	SHEET NO.
	U000-151-198	IJ(1)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

TRANSPORTATION MANAGEMENT PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	IJ(2)

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

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

Standard

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

Guidance

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

Option:

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

Standard:

5. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[2] oscillating, lights.**
6. **Taper length (L) shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S*W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S*W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S*W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S*W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Limited Access highways shall use a 1000' merging taper regardless of the posted speed, for shifting taper see Table 6H-2[2]
Shoulder Taper = ½ L Minimum

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

Channelizing Device Spacing

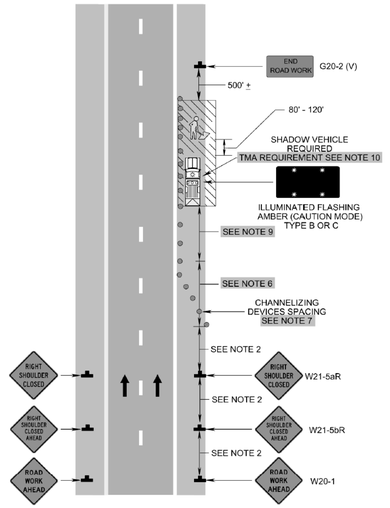
Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile

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

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Stationary Operation on a Shoulder
(Figure TTC-4.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

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

Standard

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

Guidance

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

Option:

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

Standard:

5. **A shadow vehicle with either an arrow board operating in the caution mode, or at least one high-intensity amber rotating, flashing, or[1] oscillating light shall be parked 80' - 120' in advance of the first work crew.**
6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[2] oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or[2] oscillating lights.**
7. **Taper length (L) and channelizing device spacing shall be at the following:**

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S*W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S*W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S*W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S*W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Limited Access highways shall use a 1000' merging taper regardless of the posted speed, a 750' shifting taper for posted speeds < 65 mph and a 1000' shifting taper for posted speeds ≥ 65 mph.[2]
Shoulder Taper = ½ L Minimum

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

Channelizing Device Spacing

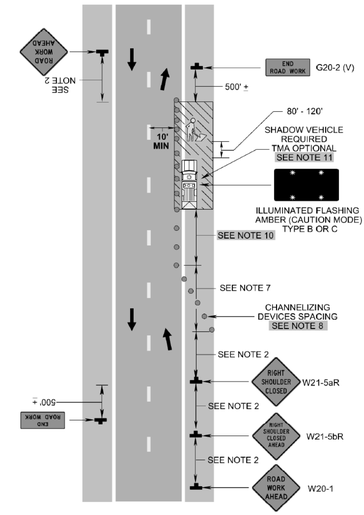
Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.

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

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Shoulder Operation with Minor Encroachment
(Figure TTC-5.2)



1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Typical Traffic Control
Outside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-16.2)
NOTES

Standard:

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

Guidance:

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

Standard:

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

Taper Length L

Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks	Speed Limit (mph)	Lane Width (Feet) 9	10	11	12	Remarks
25	95	105	115	125	L=S*W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S*W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S*W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S*W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

Limited Access highways shall use a 1000' merging taper regardless of the posted speed.
Shifting Tapers see Table 6H-2[2] | **Shoulder Taper = ½ L Minimum**

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

Channelizing Device Spacing

Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +	Location Spacing	Speed Limit (mph) 0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	* Construction Access	80'	120'

*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.

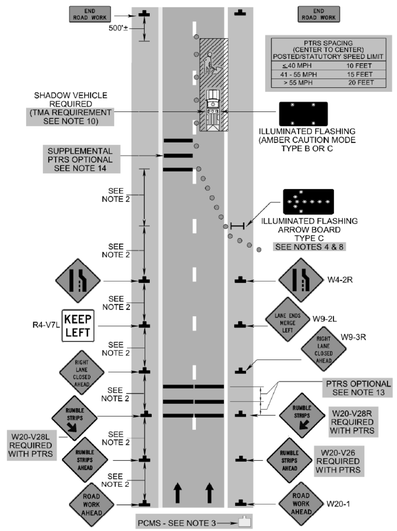
8. **An arrow board shall be used when a lane is closed. When more than one lane is closed, a separate arrow board shall be used for each closed lane (see Figure TTC-18).**
9. **The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit.**
10. **A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at least one high intensity amber rotating, flashing, or[1] oscillating light shall be parked 80'-120' in advance of the first work crew. When the posted speed limit is 45 mph or greater, a truck-mounted attenuator shall be used.**
11. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or[1] oscillating lights but can be used to supplement the amber rotating, flashing, or[2] oscillating lights.**
12. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Option:[2]

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

1: Revision 1 – 4/1/2015
2: Revision 2 – 9/1/2019

Outside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-16.2)



2: Revision 2 – 9/1/2019

	PROJECT	SHEET NO.
	U000-151-198	IJ(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

GENERAL NOTES

GRADING

G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.

G-3 Earthwork quantities on this project are based on anticipated settlement and may require adjusting during construction. Payment will be made only for quantities actually moved.

G-4 The cost of removal of all existing concrete items located in the area to be graded, including, but not limited to the following, shall be included in the price bid for regular excavation: curb, sidewalk, foundations, drainage structures, etc.

G-6 The borrow material for this project shall be a minimum CBR 10 and in accordance with the characteristics stipulated in the Geotechnical Engineering Report or as approved by the Materials Engineer.

PAVEMENT

P-2 The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of the theoretical maximum density.

DRAINAGE

D-1 The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.

D-2 The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on the plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Engineer shall confer with, and get approval from, the applicable District Drainage Engineer before installing the culvert or storm sewer outfall pipe.

D-3 The "H" dimensions shown on plans for drop inlets and junction boxes and the "L.F." dimensions shown for manholes are for estimating purposes and are based on the proposed invert elevations shown for the structure and the anticipated top (rim) elevation based on existing or proposed finished grade. The actual "H" or "L.F." dimensions are to be determined by the contractor from field conditions.

D-7 All pipe on this project shall be min. Class III RCP. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height cover, see the applicable sections of the VDOT Road and Bridge Standards PC-1.

D-14 Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT Road and Bridge Standards shall be considered and paid for as Standard Drop Inlets for the type specified. Pipes with less than standard minimum finished height of cover shall be noted as such in the drainage description for the pipe. Specific pipe bedding and cover requirements are provided in the applicable PB-1 and PC-1 standard drawings of the VDOT Road and Bridge Standards.

D-16 When CG-6 or CG-7 is specified on a radius (such as at a street intersection), the Engineer may approve a decrease in the cross slope of the gutter to facilitate proper drainage.

EROSION AND SEDIMENT CONTROL (ESC)

E-1 If the removal of Brush Silt Barrier is specified by the plans or required by the Engineer, the cost of removal and disposal of brush shall be in accordance with Section 109 of the applicable VDOT Road and Bridge Specifications.

E-2 Rock for Check Dams, Inlet Protection, Erosion Control Stone and Riprap shall be in accordance with Section 203 and Section 414 of the applicable VDOT Road and Bridge Specifications.

NOTES:
1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE VDOT R&B STANDARDS REFERENCED ABOVE. REFER TO THE VESCH FOR FURTHER DETAILS.
2. ALL CULVERT ENTRANCES SHALL BE PROTECTED PER ST'D. EC-6 TYPE C WITH SILT FENCE AND CHECK DAMS WHERE SHOWN (CIP).

INCIDENTALS

I-5 That portion of the right of way lying within the Clear Zone or within a minimum of 10 feet from the edge of pavement or surfacing or within the limits of the construction slopes beyond 10 feet, shall be cleared and grubbed in accordance with the applicable VDOT Road and Bridge Specifications, Section 301, where sufficient right of way or construction easement is provided.

I-6 Certain trees shall be preserved as noted on plans or as directed by the Engineer.

I-7 Where Standard slope roundoffs would damage trees, bushes or other desirable vegetation, they shall be omitted when so ordered by the Engineer.

I-8A Clearing and grubbing shall be confined to those areas needed for construction.

I-9 When no centerline alignment is shown for a proposed entrance, the entrance shall be constructed in the same location as the existing entrance.

I-12 St'd. RM-2 right of way monuments shall be set by the Contractor.

I-17 For method of constructing Straight-Line Taper Lanes in curb and/or curb and gutter sections, see typical details on Sheet 2B.

I-18 All pavement markings and traffic flow arrows shown on the roadway construction plans are schematic only. The actual location and application of pavement markings shall be in accordance with Section 704 of the applicable VDOT Road and Bridge Specifications, MUTCD, sequence of construction/traffic control plans, pavement marking plan sheets and as directed by the Engineer.

I-19 The following outside sources, under contract with VDOT, have provided information on this project.

Hydraulic Design	-	Timmons Group
Roadway Design	-	Timmons Group
Utility Design	-	N/A
Utility Designation	-	Timmons Group
Utility Location	-	Timmons Group
Survey	-	Timmons Group
Bridge Design	-	N/A
Traffic Design	-	N/A
Landscape Design	-	N/A

If questions or problems arise during construction, please contact the Area Construction Engineer. DO NOT CONTACT THE OUTSIDE SOURCES.

I-20 The Official Electronic PDF Version of the plans will override the paper copies or prints of specific layers.

Portions of this plan assembly have been CADD generated. To assist in the preparation of the bid and construction of the project, Microstation format (.dgn) files will be made available to the prime contractor during bids and after award of the contract.

I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and MicroStation format (.dgn) files. Only the PDF files will be considered as part of the official plan assembly.

The MicroStation format (.dgn) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See the VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described in the VDOT CADD Manual. The Microstation files will only match the scanned files if all required levels are turned on. A Microstation Software license is required to be able to read these files.

CITY OF FAIRFAX GENERAL CONSTRUCTION NOTES

PERMITS

1. A STREET OPENING PERMIT IS REQUIRED FOR ANY WORK IN A CITY RIGHT-OF-WAY OR EASEMENT. THE PERMIT CAN BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT. FOR INFORMATION, CALL 703-385-7980 OR 703- 385-7810.
2. ALL SIDEWALKS, CURBS, GUTTERS, DRIVEWAYS, STREETS, STORM PIPES, SANITARY SEWER, ENDWALLS AND RIP- RAPS MUST BE INSPECTED BY THE CITY. ALL WORK IN THE CITY STREETS WILL BE PERFORMED MONDAY- FRIDAY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. NO WORK IS TO BE PERFORMED ON WEEKENDS OR HOLIDAYS UNLESS PRE-APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
3. INSPECTIONS PERFORMED BY THE FACILITIES INSPECTOR WILL REQUIRE A FOUR-HOUR NOTICE PRIOR TO INSPECTIONS.

GENERAL STANDARDS

THE PUBLIC WORKS DIRECTOR MUST BE NOTIFIED ONE WEEK PRIOR TO PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO COMMENCEMENT OF LAND DISTURBING ACTIVITY AND ONE WEEK PRIOR TO FINAL INSPECTION. THE SITE PLAN COORDINATOR IN ZONING (703-385-7820) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.

4. A PRECONSTRUCTION MEETING WILL BE REQUIRED THREE DAYS PRIOR TO ANY CONSTRUCTION. CONTRACTORS WILL NOTIFY THE PUBLIC WORKS DEPARTMENT OR FACILITIES INSPECTOR FOR ALL WORK DONE ON SITE AND OFF SITE ONE DAY PRIOR TO STARTING.
5. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR PARKING CONSTRUCTION EQUIPMENT AND PROVIDE EMPLOYEE PARKING ON SITE.
6. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST CITY OF FAIRFAX STANDARDS, VIRGINIA DEPARTMENT OF TRANSPORTATION AND THE VIRGINIA SEDIMENT & EROSION CONTROL CURRENT SPECIFICATIONS, EXCEPT AS SHOWN OR ALTERED BY THESE PLANS.
7. TRAFFIC SIGNS FOUND TO BE IN THE WAY AT CONSTRUCTION SITES SHALL BE REMOVED OR RELOCATED ONLY BY PERSONNEL IN THE SIGN & SIGNAL CREW OF THE PUBLIC WORKS DEPARTMENT AT THE CONTRACTOR'S REQUEST. ANY CONTRACTOR FOUND RESPONSIBLE FOR MOVING CITY PROPERTY WITHOUT PERMISSION WILL RECEIVE A SUMMONS.
8. AN AS-BUILT PLAN MUST BE SUBMITTED WITHIN 30 DAYS AFTER COMPLETION OF ALL CONSTRUCTION.
9. TEMPORARY STRUCTURES, CONSTRUCTION TRAILERS AND DEMOLITION REQUIRE PERMITS FROM THE OFFICE OF CODE ADMINISTRATION PRIOR TO START OF WORK OR INSTALLATION.
10. CITY ORDINANCE PERMITS CONSTRUCTION NOISE, INCLUDING EXCAVATION, BETWEEN THE HOURS OF 7:00 AM AND 6:00 PM ON WEEKDAYS AND 8:30 AM AND 5:00 PM ON SATURDAYS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO ENSURE THAT ALL CONTRACTORS AND SUBCONTRACTORS COMPLY WITH THIS ORDINANCE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH CITY CODE SECTIONS LIMITING GROWTH OF GRASS AND WEEDS TO SIX INCHES IN HEIGHT.

ENVIRONMENTAL

1. ALL EROSION SILTATION CONTROL TO BE INSTALLED PRIOR TO STARTING PROJECT TO CONFORM TO THE CURRENT VIRGINIA EROSION AND SEDIMENT CONTROL MANUAL.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING THE CITY OF FAIRFAX RIGHTS-OF-WAY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND ALLAY DUST AND TO TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT THE ROAD IS MAINTAINED IN A CLEAN AND DUST-FREE CONDITION AT ALL TIMES.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE WORK IN SUCH A MANNER TO PREVENT THE WASHING OF ANY TOPSOIL, SILT, OR DEBRIS ONTO ADJACENT PROPERTIES.
4. IF THE PRESENCE OF ASBESTOS IS SUSPECTED IN THE SOIL, THE CONTRACTOR MUST CONTACT THE AIR POLLUTION CONTROL DIVISION OF THE FAIRFAX COUNTY HEALTH DEPARTMENT AT 703-246-2300.

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2

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

CITY OF FAIRFAX GENERAL CONSTRUCTION NOTES

ENVIRONMENTAL (CONTINUED)

5. ONSITE STORAGE OF FUEL SHALL BE LIMITED TO DIESEL FUEL TANKS NOT OVER 660 GALLONS CAPACITY. TANKS SHALL BE OF A LISTED TYPE AND SHALL BE PROVIDED WITH APPROVED SECONDARY CONTAINMENT, IMPACT PROTECTION AND PLACARDING. A MINIMUM 2A-40BC FIRE EXTINGUISHER SHALL BE PROVIDED IN THE VICINITY OF THE REFUELING AREA. A PERMIT FOR COMBUSTIBLE LIQUID STORAGE SHALL BE OBTAINED FROM THE OFFICE OF CODE ADMINISTRATION, 703-385-7830. FUEL SHALL NOT BE PLACED IN ONSITE STORAGE TANKS UNTIL THE INSTALLATION HAS BEEN INSPECTED AND APPROVED.
6. ONSITE REPAIR OF VEHICLES AND EQUIPMENT SHALL BE LIMITED TO REPLACEMENT OF DAMAGED BELTS, HOSES AND TIRES. ANY SPILL OF FUEL, OIL, HYDRAULIC FLUID OR ANTI-FREEZE GREATER THAN ONE GALLON MUST BE REPORTED TO THE OFFICE OF CODE ADMINISTRATION AT 703-385-7830. ALL SPILLS MUST BE CLEANED UP PROMPTLY AND IN AN APPROVED MANNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH CITY CODE SECTIONS REGARDING HEALTH AND SAFETY MENACES, INCLUDING ACCUMULATIONS OF WATER, STORAGE OF MATERIAL, CONSTRUCTION DEBRIS AND SECURITY OF THE SITE.
8. THE LINK TO THE ASBESTOS INFORMATION AND MAP ON THE FAIRFAX COUNTY WEBSITE HTTP://WWW.FAIRFAXCOUNTY.GOV/HD/ASB/

LANDSCAPE

1. THE AREA SURROUNDING ALL TREES, SHRUBS AND GROUNDCOVER SHALL BE TOPPED WITH TWO INCHES OF SHREDDED HARDWOOD BARK MULCH.
2. NO CHANGES SHALL BE PERMITTED TO THE PLANT LIST UNLESS APPROVED BY THE CITY OF FAIRFAX.
3. TREES SHALL BE CLASSIFIED AS PER "AMERICAN STANDARD FOR NURSERY STOCK" AS ADOPTED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANT MATERIAL BELOW THIS STANDARD SHALL NOT BE CONSIDERED.
   a) ALL PLANTS MUST CONFORM TO REQUIREMENTS PER PLANT LIST;
   b) ALL PLANT MATERIALS MUST BE NURSERY GROWN STOCK;
   c) ALL TREES MUST BE WELL BRANCHED, FULL CROWN.
4. AT LEAST 5 DAYS BEFORE BEING PLANTED, THE ENGINEER SHALL BE NOTIFIED THAT PLANTS ARE AVAILABLE FOR INSPECTION.

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

TYPICAL SECTIONS & DETAILS

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

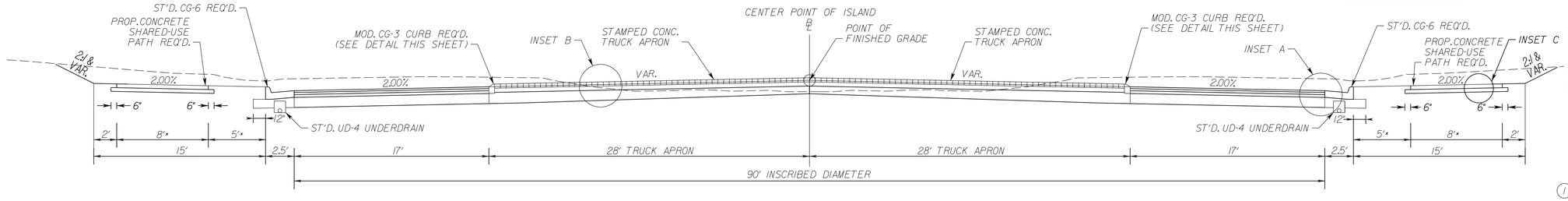
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2A

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

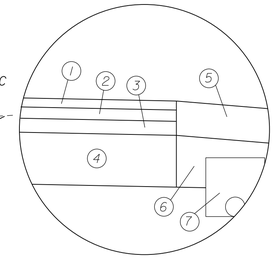
* - DESIGN WAIVER APPROVED BY CITY OF FAIRFAX - PER VDOT RDM APPENDIX A(1)

MINI-ROUNDABOUT TYPICAL

STA. 12+39 (ST01) TO STA. 15+86 (ST02)

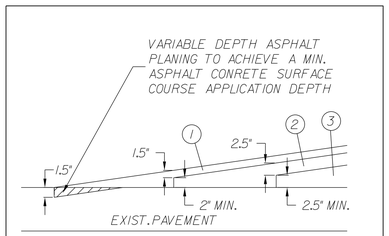


INSET A



1. 1.5" ASPHALT CONCRETE SURFACE COURSE (VDOT TYPE SM-9.5A) at 183 Lbs/S.Y.
2. 2" ASPHALT CONCRETE INTERMEDIATE COURSE (VDOT TYPE IM-19.0A) at 242 Lbs/S.Y.
3. 2.5" ASPHALT CONCRETE BASE COURSE (VDOT TYPE BM-25.0A)
4. 8" AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B)
5. STD. CG-6 CURB & GUTTER REQ'D.
6. 6" (MIN.) & VAR. AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B) **
7. STD. UD-4 UNDERDRAIN

** TO PROMOTE POSITIVE LATERAL DRAINAGE, THE AGGREGATE BASE BENEATH THE CURB AND GUTTER MUST EXTEND TO, OR EXCEED, THE BOTTOM OF THE AGGREGATE BASE IN THE ADJACENT TRAVEL LANE.

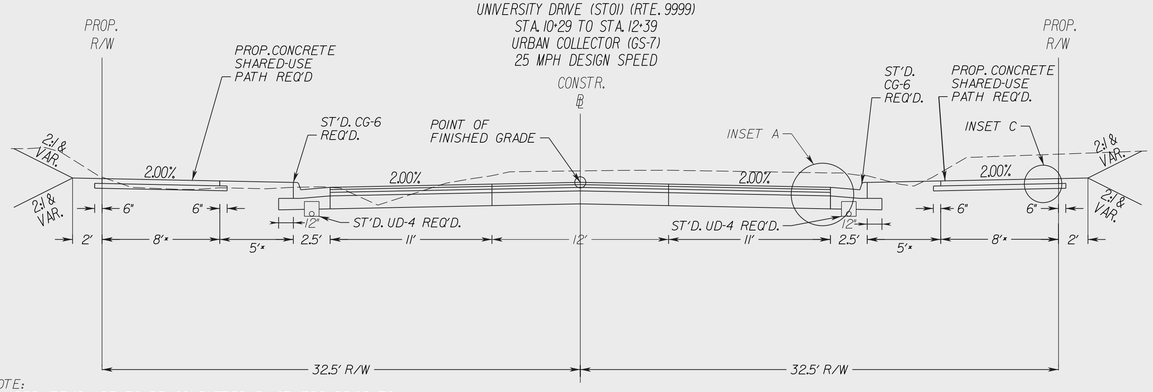


PAVEMENT BUILD-UP WITH OVERLAY

1. ASPHALT CONCRETE OVERLAY TYPE SM-9.5A (1.5" MIN. DEPTH REQ'D.)
2. VARIABLE DEPTH IM-19.0A ASPHALT LEVELING COURSE (DEPTHS UP TO 2.5")
3. VARIABLE DEPTH BM-25.0A ASPHALT LEVELING COURSE (REMAINDER IF NECESSARY)

UNIVERSITY DRIVE (ST01) (RTE. 9999)

STA. 10+29 TO STA. 12+39
URBAN COLLECTOR (GS-7)
25 MPH DESIGN SPEED

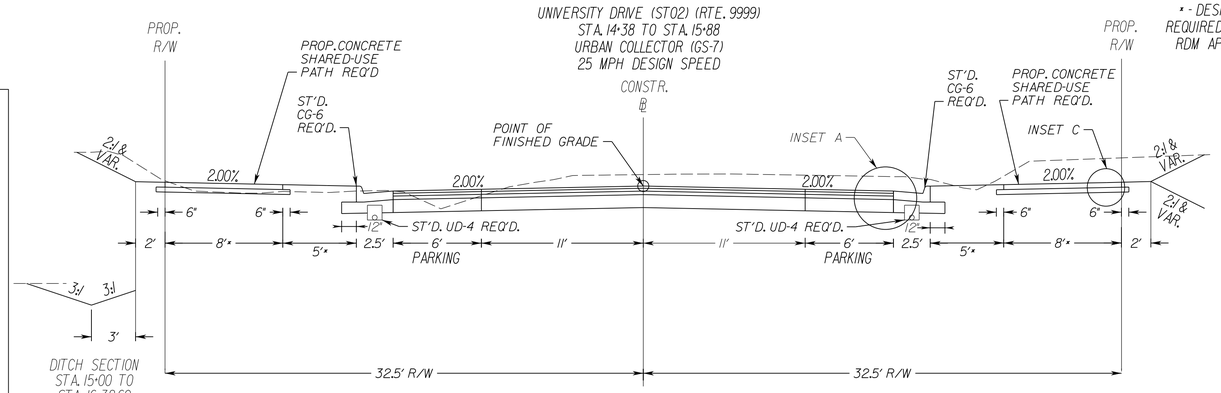


NOTE:
SHADED ITEMS ARE TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION AND ARE INCLUDED FOR REFERENCE ONLY.

UNIVERSITY DRIVE (ST02) (RTE. 9999)

STA. 14+38 TO STA. 15+88
URBAN COLLECTOR (GS-7)
25 MPH DESIGN SPEED

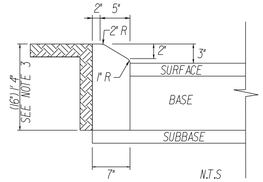
* - DESIGN WAIVER REQUIRED - PER VDOT RDM APPENDIX A(1)



NOTE:
ALL PAVEMENT WIDENING AND/OR TIE-INS SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD WP-2.

CG-3 MODIFIED

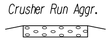
FOR USE ON ROUNDABOUT TRUCK APRONS AND SPLITTER ISLANDS ONLY



NOTES:
1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (13" DEPTH) OR INCREASED AS MUCH AS 3" (19" DEPTH) IN ORDER THAT THE BOTTOM OF THE CURB WILL COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENTS SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 16" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
4. THE MODIFICATION TO THE STANDARD CG-3 IS TO REDUCE THE EXPOSED HEIGHT OF THE CURB AS SHOWN. MODIFIED CURB SHALL BE PAID FOR AS STANDARD CG-3.

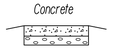
PRIVATE AND COMMERCIAL ENTRANCES

TYPE I
Crusher Run Aggr.



6" Crusher Run Aggr. 25

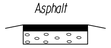
TYPE II
Concrete



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

NOT TO SCALE

TYPE III
Asphalt



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

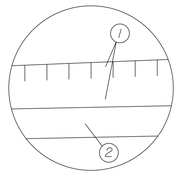
TYPE IV
Asphalt Commercial

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

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

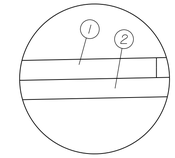
** STAMPED CONCRETE SHALL BE POURED CONCURRENTLY, WITH SURFACE LAYER (SHOWN AS 4" DEPTH) TO BE COLORED AND STAMPED AS APPROVED BY THE ENGINEER AND CITY. CONCRETE JOINT SPACING PLAN FOR APRON SHALL BE IN ACCORDANCE WITH VDOT ST'D. PR-2 AND WITH 15' MAX TRANSVERSE JOINT SPACING - TO BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.

INSET B



1. 10" STAMPED CONCRETE CLASS A3 - PATTERN AND COLOR TO BE APPROVED BY CITY
2. 8" MIN. AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B)

INSET C



1. 4" HYDRAULIC CEMENT CONCRETE, CLASS A3
2. 4" AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B)

PROJECT	SHEET NO.
U000-151-198	2A

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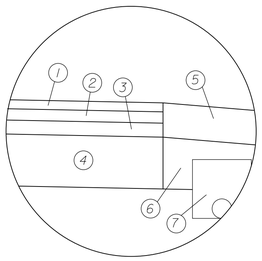
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

TYPICAL SECTIONS & DETAILS

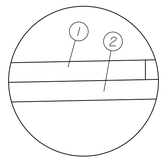
INSET A



1. 1.5" ASPHALT CONCRETE SURFACE COURSE (VDOT TYPE SM-9.5A) at 183 Lbs/S.Y.
2. 2" ASPHALT CONCRETE INTERMEDIATE COURSE (VDOT TYPE IM-19.0A) at 242 Lbs/S.Y.
3. 2.5" ASPHALT CONCRETE BASE COURSE (VDOT TYPE BM-25.0A)
4. 8" AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B)
5. STD. CG-6 CURB & GUTTER REQ'D.
6. MIN. 6" AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B) **
7. STD. UD-4 UNDERDRAIN

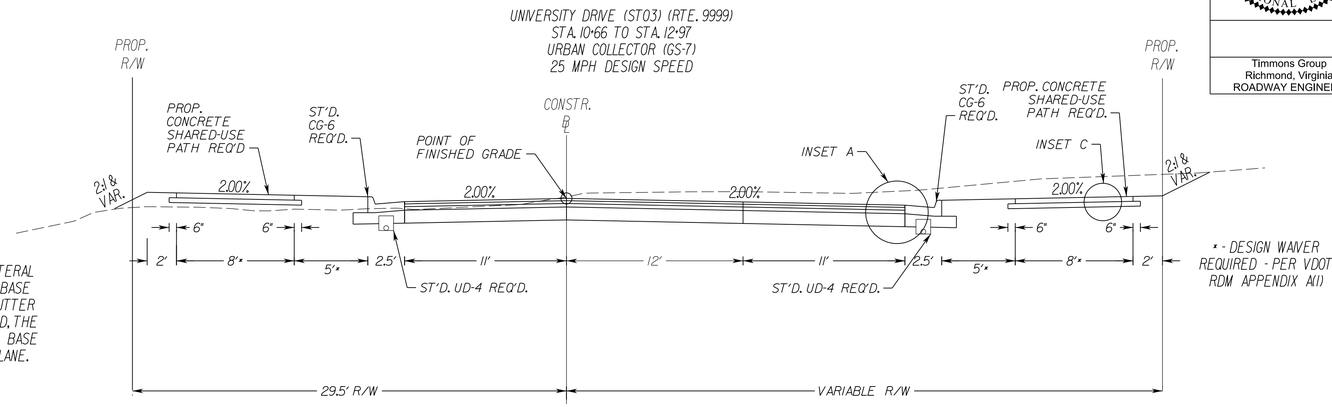
** TO PROMOTE POSITIVE LATERAL DRAINAGE, THE AGGREGATE BASE BENEATH THE CURB AND GUTTER MUST EXTEND TO, OR EXCEED, THE BOTTOM OF THE AGGREGATE BASE IN THE ADJACENT TRAVEL LANE.

INSET C



1. 4" HYDRAULIC CEMENT CONCRETE, CLASS A3
2. 4" AGGREGATE BASE MATERIAL (VDOT TYPE I NO. 21B)

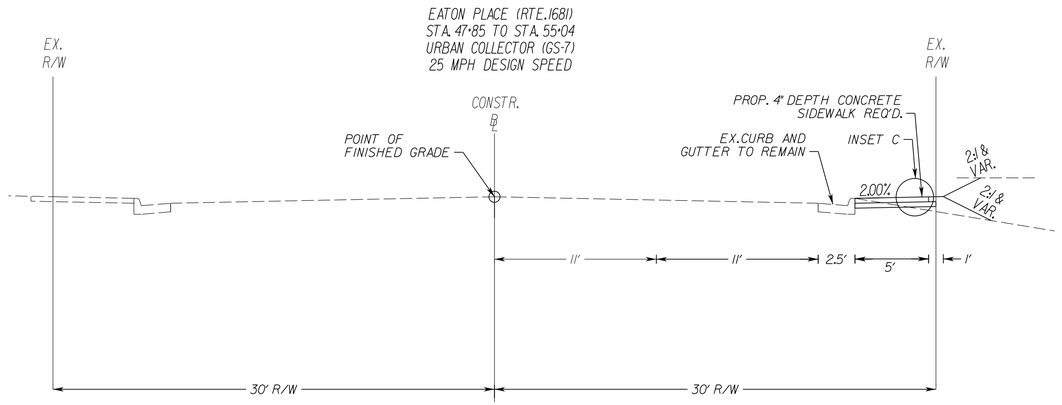
UNIVERSITY DRIVE (ST03) (RTE. 9999)
STA. 10+66 TO STA. 12+97
URBAN COLLECTOR (GS-7)
25 MPH DESIGN SPEED



* - DESIGN WAIVER REQUIRED - PER VDOT RDM APPENDIX A(1)

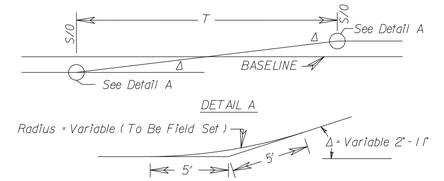
NOTE:
ALL PAVEMENT WIDENING AND/OR TIE-INS SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD WP-2.

EATON PLACE (RTE. 1681)
STA. 47+85 TO STA. 55+04
URBAN COLLECTOR (GS-7)
25 MPH DESIGN SPEED



NOTE:
ALL PAVEMENT WIDENING AND/OR TIE-INS SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD WP-2.

TYPICAL
STRAIGHT - LINE TAPER LANE
(Use with Curbs and/or Curb & Gutters)



T - See plans for Length of T.

S/O - See plans for Stations and Offsets.

NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2B

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

PROJECT	SHEET NO.
U000-151-198	2B

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

EROSION & SEDIMENT CONTROL NOTES

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2C(1)

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

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
HYDRAULIC ENGINEER

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO EXTEND UNIVERSITY DRIVE NORTHWARD FROM ITS CURRENT TERMINUS AT U.S. RTE. 29/50 TO ITS PROPOSED CONNECTION AT EATON PLACE IN THE CITY OF FAIRFAX, VIRGINIA. A SHARED-USE PATH WILL ALSO BE PROVIDED ALONG THE LENGTH OF THE PROJECT ON EITHER SIDE OF THE PROPOSED ROADWAY. THE ROADWAY IMPROVEMENTS WILL REQUIRE ACQUISITION OF RIGHT OF WAY AS WELL AS PERMANENT AND TEMPORARY EASEMENTS.

THE PROPOSED IMPROVEMENTS CONSIST OF APPROXIMATELY 850 LINEAR FEET OF UNIVERSITY DRIVE EXTENSION, 650 FEET OF SIDEWALK ALONG EATON PLACE, AND 1,700 LINEAR FEET OF SHARED USE PATH ALONG WITH ASSOCIATED DRAINAGE AND GRADING. A TOTAL OF 1.73 ACRES WILL BE DISTURBED DURING CONSTRUCTION.

EXISTING SITE CONDITIONS

THE SURROUNDING TOPOGRAPHY FOR THE UNIVERSITY DRIVE EXTENSION PROJECT CONSISTS OF EXISTING PARKING LOTS AND RETAIL ESTABLISHMENTS, WHICH WILL BE DEMOLISHED PRIOR TO THE CONSTRUCTION OF UNIVERSITY DRIVE. THE SURROUNDING AREA IS INTENDED TO BE DEVELOPED ALONGSIDE THE CONSTRUCTION OF UNIVERSITY DRIVE.

ADJACENT PROPERTY

UNIVERSITY DRIVE EXTENDED IS SURROUNDED BY EXISTING COMMERCIAL AND OFFICE PROPERTY.

SOILS

THE PREDOMINANT SOIL FOR THIS PROJECT IS 95 URBAN LAND, SURROUNDED BY THE FOLLOWING SOIL TYPES:
- 105B WHEATON-GLENELG COMPLEX, 2 TO 7 PERCENT SLOPES
- 29A CODORUS SILT LOAM, 0 TO 2 PERCENT SLOPES
- 101 URBAN LAND-WHEATON COMPLEX
- 103A WHEATON-CODORUS COMPLEX, 0 TO 2 PERCENT SLOPES
- 105C WHEATON-GLENELG COMPLEX, 7 TO 15 PERCENT SLOPES
- 107B WHEATON-MEADOWVILLE COMPLEX, 2 TO 7 PERCENT SLOPES

OFF SITE AREAS

NO OFF-SITE STOCKPILE AREAS ARE NEEDED FOR THIS PROJECT. STOCKPILES WILL BE DETERMINED AND LOCATED BY THE CONTRACTOR AS REQUIRED.

CRITICAL EROSION AREAS

CRITICAL EROSION AREAS INCLUDE EXISTING ROADWAYS AND WORK AREAS IN AND AROUND EXISTING WETLANDS AND WATERS OF THE U.S.. ALL APPROPRIATE MEASURES HAVE BEEN ACCOUNTED FOR IN THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS.

EROSION & SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH). THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

THE TEMPORARY EROSION AND SILTATION CONTROL ITEMS SHOWN ON THE PLANS ARE INTENDED TO PROVIDE A GENERAL PLAN FOR CONTROLLING EROSION AND SILTATION WITHIN THE PROJECT LIMITS. THE EROSION & SEDIMENT CONTROL PLAN (ESC) 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 ENGINEER AND/OR ENVIRONMENTAL MONITOR, SHALL ADJUST THE LOCATION, QUANTITY, AND TYPE OF EROSION AND SEDIMENT CONTROL ITEMS REQUIRED BASED ON 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 EMERGENCY ANALYSIS) SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ANY CHANGES TO THE ESC PLAN MUST BE NOTED ON A DESIGNATED PLAN SET (RECORD SET) WHICH SHALL BE RETAINED ON THE PROJECT SITE ANDMADE AVAILABLE UPON REQUEST.

SEQUENCE OF CONSTRUCTION

1. SCHEDULE A PRECONSTRUCTION MEETING. GIVE 48 HOUR NOTIFICATION OF THE PRECONSTRUCTION MEETING TO THE CITY OF FAIRFAX. A CERTIFIED RESPONSIBLE LAND DISTURBER (CRLD) MUST BE PRESENT AT THE ON-SITE MEETING WITH THE INSPECTOR.
2. INSTALL PERIMETER CONTROLS INCLUDING SILT FENCE, ETC., AS SHOWN ON THE PHASE I EROSION CONTROL PLANS. INSTALL CULVERT INLET PROTECTION ON EXISTING STRUCTURES AND ROCK CHECK DAMS IN EXISTING DITCHES.
3. IF NECESSARY, THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY AGREEMENTS WITH PROPERTY OWNERS TO UTILIZE A STOCKPILE/STAGING AREA FOR THE STAGING AND STORAGE OF ALL MATERIALS.
4. TEMPORARY SEEDING IS REQUIRED WITHIN 7 DAYS OF DISTURBANCE FOR ALL AREAS WHICH ARE NOT TO BE ACTIVELY CONSTRUCTED UPON WITHIN 14 DAYS OF INITIAL DISTURBANCE.
5. INSPECTIONS AND APPROVALS FOR COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL ACTIVITIES MUST BE RECEIVED BEFORE FURTHER CONSTRUCTION ACTIVITIES CAN BEGIN. ALL APPROVALS SHALL BE FROM THE EE INSPECTOR.
6. COMMENCE ROUGH GRADING AS REQUIRED FOR THE PROPOSED PAVEMENT AND STORM SEWER. MAINTAIN SILT FENCE AT ALL TIMES AS DENOTED ON THE PLANS.
7. CONSTRUCT UNIVERSITY DRIVE, SHARED USE PATH, AND ASSOCIATED DRAINAGE SYSTEMS IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION PLAN. AS PHASES OF CONSTRUCTION PROGRESS IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS, ALL EROSION CONTROL PRACTICES SHALL BE MAINTAINED, ADJUSTED, AND/OR ADDED PER THE PHASE II EROSION CONTROL PLANS TO ENSURE APPROPRIATE SEDIMENT CONTROL.
8. THE SITE SHALL BE PERMANENTLY STABILIZED AFTER ALL GRADING HAS BEEN COMPLETED BY SEEDING ALL DENUDED AREAS. EC-2 MATTING SHALL BE INSTALLED ON ALL SLOPES 2:1 AND STEEPER.
9. UPON CONSTRUCTION COMPLETION, THE CONTRACTOR MUST CONTACT THE CITY OF FAIRFAX FOR EROSION CONTROL INSPECTION OF SLOPE STABILITY. EROSION CONTROL MEASURES MAY NOT BE REMOVED WITHOUT AUTHORIZATION BY THE CITY INSPECTOR.
10. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUESTED BY THE CITY OF FAIRFAX AND/OR THE INSPECTOR AT ANY TIME DURING LAND DISTURBANCE.

MINIMUM STANDARDS

MS-1: PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

MS-2: TEMPORARY SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. PROVIDE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL TRANSPORTED FROM THE PROJECT SITE.

MS-3: A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IN THE OPINION OF THE ARCHITECT/ENGINEER, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

MS-4: SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTRIBUTING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE OR TIMBERING TAKES PLACE.

MS-5: STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

MS-6: SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED TO ACCOMMODATE THE ANTICIPATED SEDIMENT LOADING FROM THE LAND-DISTURBING ACTIVITY. THE OUTFALL DEVICE OR SYSTEM DESIGN SHALL TAKE INTO ACCOUNT THE TOTAL DRAINAGE AREAS FLOWING THROUGH THE DISTURBED AREA TO BE SERVED BY THE BASIN.

MS-7: CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

MS-8: CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL OR SLOPE DRAIN STRUCTURE.

MS-9: WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.

MS-10: ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

MS-11: BEFORE STORMWATER CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.

MS-12: WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NON-ERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS, EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NON-ERODIBLE COVER MATERIALS.

MS-13: WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD,A TEMPORARY STREAM CROSSING CONSTRUCTED OF NON-ERODIBLE MATERIAL SHALL BE PROVIDED.

MS-14: ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.

MS-15: THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY FOLLOWING AFTER WORK IN THE WATERCOURSE IS COMPLETED.

MS-16: UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
A. NO MORE THAN 500' OF TRENCH SHALL BE OPENED AT ONE TIME.
B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFFSITE PROPERTY.
D. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
E. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

MS-17: WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

MS-18: ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL AUTHORITY HAVING JURISDICTION. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

MS-19: PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE MINIMUM STANDARDS SET FORTH BY VIRGINIA REGULATIONS. SEE PROVIDED DRAINAGE AND STORMWATER MANAGEMENT BOOKLET FOR REVIEW OF COMPLIANCE AND MITIGATION.

ADDITIONAL NOTES

1. CONTRACTOR MUST KEEP THE EXISTING ROAD FREE FROM BUILD-UP OF SOIL.

2. THE CONTRACTOR MUST DETERMINE A STOCKPILE AREA (IF NEEDED). IF AREA IS OUTSIDE THE LIMITS OF DISTURBANCE AS SHOWN IN THESE PLANS, THE LOCATION MUST BE SUBMITTED TO AND APPROVED BY THE CITY OF FAIRFAX PRIOR TO CONSTRUCTION.

3. THE CONTRACTOR WILL PROVIDE THE LOCATION THE EXCESS SOIL IS HAULED TO OR BORROW MATERIAL IS BROUGHT IN FROM TO THE ENVIRONMENTAL ENGINEERING INSPECTOR AT THE PRE-CONSTRUCTION MEETING.

4. ANY ADDITIONAL PERMITTING FOR OFFSITE STOCKPILES, BORROW SOURCES, OR STAGING OF MEN/EQUIPMENT (IF REQUIRED) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

EROSION CONTROL QUANTITY SUMMARY

PHASE I		ITEM
3	EA	INLET PROTECTION TYPE A
20	EA	INLET PROTECTION TYPE B
1466	LF	TEMP. SILT FENCE TYPE A
1062	LF	TEMP. SAFETY FENCE
2	EA	ROCK CHECK DAM TYPE II
540	CY	SILTATION CONTROL EXCAVATION
70	SY	ROLLED EROSION CONTROL PRODUCT. EC-2. TYPE I

EROSION CONTROL LEGEND

IP-A	DENOTES INLET PROTECTION TYPE A. ST'D. EC-6
IP-B	DENOTES INLET PROTECTION TYPE B. ST'D. EC-6
IP-C	DENOTES CULVERT INLET PROTECTION TYPE C. ST'D. EC-6
EC-1	DENOTES OUTLET PROTECTION. ST'D. EC-1
RCD-2	DENOTES ROCK CHECK DAM TYPE 2. ST'D. EC-4
SF-A	DENOTES TEMPORARY SILT FENCE TYPE A. ST'D. EC-5
SAF	DENOTES TEMPORARY SAFETY FENCE. VESCH ST'D. 3.01
	DENOTES ST'D. EC-2. TY. I

NOTES:
1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE VDOT R&B STANDARDS REFERENCED ABOVE. REFER TO THE VESCH FOR FURTHER DETAILS.
2. ALL CULVERT ENTRANCES SHALL BE PROTECTED PER ST'D. EC-6 TYPE C WITH SILT FENCE AND CHECK DAMS WHERE SHOWN (CIP)

PROJECT	SHEET NO.
U000-151-198	2C(1)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

EROSION & SEDIMENT CONTROL PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

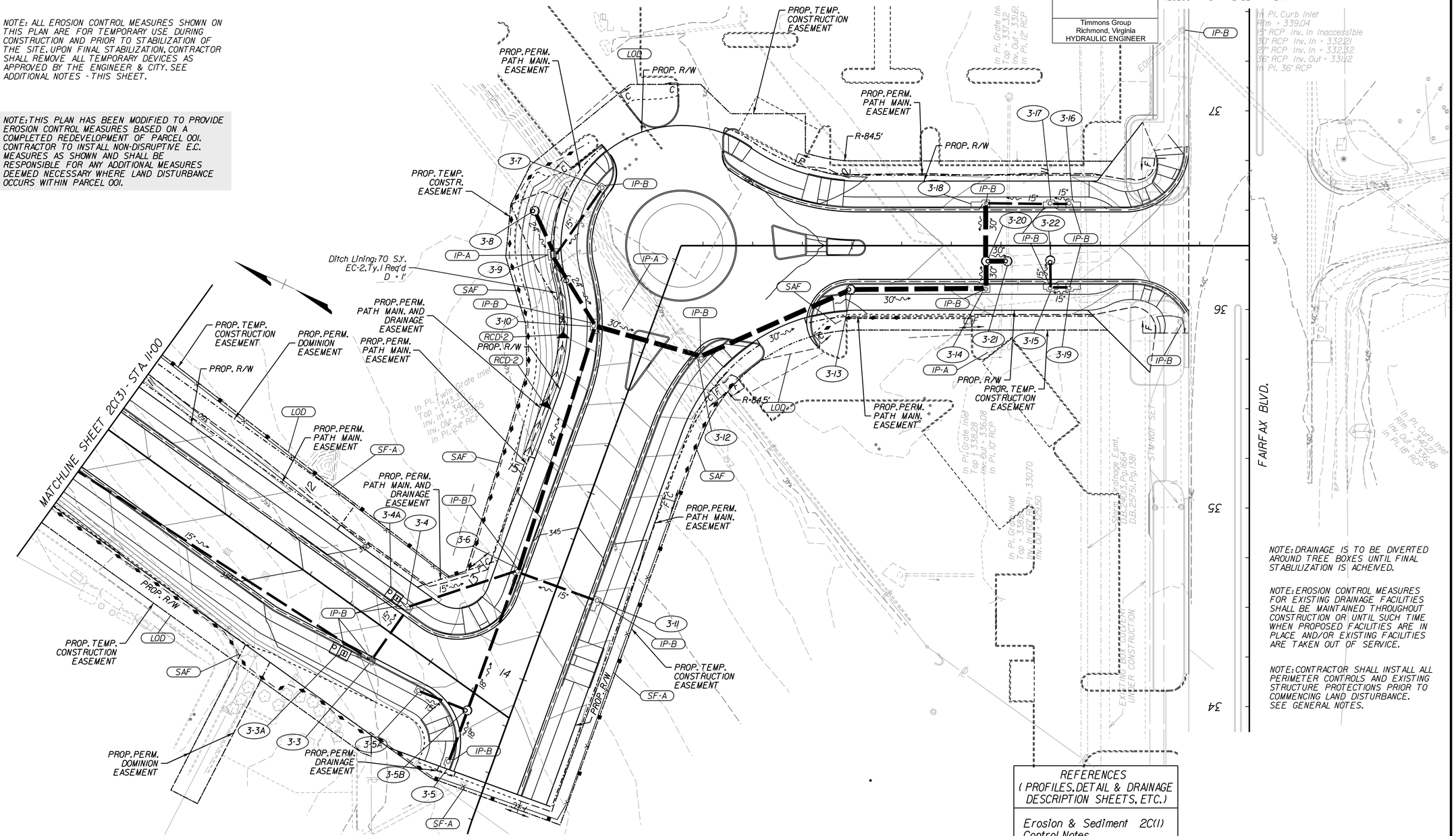
Timmons Group
Richmond, Virginia
HYDRAULIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	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

NOTE: ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE FOR TEMPORARY USE DURING CONSTRUCTION AND PRIOR TO STABILIZATION OF THE SITE. UPON FINAL STABILIZATION, CONTRACTOR SHALL REMOVE ALL TEMPORARY DEVICES AS APPROVED BY THE ENGINEER & CITY. SEE ADDITIONAL NOTES - THIS SHEET.

NOTE: THIS PLAN HAS BEEN MODIFIED TO PROVIDE EROSION CONTROL MEASURES BASED ON A COMPLETED REDEVELOPMENT OF PARCEL 001. CONTRACTOR TO INSTALL NON-DISRUPTIVE E.C. MEASURES AS SHOWN AND SHALL BE RESPONSIBLE FOR ANY ADDITIONAL MEASURES DEEMED NECESSARY WHERE LAND DISTURBANCE OCCURS WITHIN PARCEL 001.



NOTE: DRAINAGE IS TO BE DIVERTED AROUND TREE BOXES UNTIL FINAL STABLILIZATION IS ACHEIVED.

NOTE: EROSION CONTROL MEASURES FOR EXISTING DRAINAGE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION OR UNTIL SUCH TIME WHEN PROPOSED FACILITIES ARE IN PLACE AND/OR EXISTING FACILITIES ARE TAKEN OUT OF SERVICE.

NOTE: CONTRACTOR SHALL INSTALL ALL PERIMETER CONTROLS AND EXISTING STRUCTURE PROTECTIONS PRIOR TO COMMENCING LAND DISTURBANCE. SEE GENERAL NOTES.

PROPOSED RIGHT-OF-WAY
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT SLOPE/DRAINAGE EASEMENT

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

Erosion & Sediment Control Notes	2C(1)
Roadway Plan	3

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-198	2C(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
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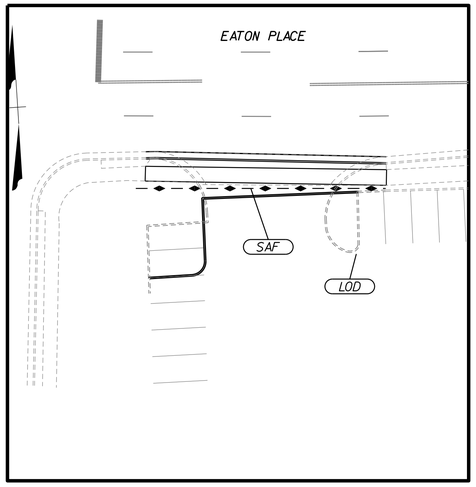
EROSION & SEDIMENT CONTROL PLAN



NOTE: ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE FOR TEMPORARY USE DURING CONSTRUCTION AND PRIOR TO STABILIZATION OF THE SITE. UPON FINAL STABILIZATION, CONTRACTOR SHALL REMOVE ALL TEMPORARY DEVICES AS APPROVED BY THE ENGINEER & CITY. SEE ADDITIONAL NOTES - THIS SHEET.

In Pl. Curb Inlet
Rim = 354.35
18" RCP Inv. In
Inaccessible (Recessed)
18" RCP Inv. Out = 348.83

In Pl. Curb Inlet
Rim = 355.00
18" RCP Inv. In = 350.60
18" RCP Inv. Out
Inaccessible (Recessed)

In Pl. Curb Inlet
Rim = 356.07
Pipe Inaccessible (Recessed)

SILT FENCE TO BE REMOVED FOR CONSTRUCTION ENTRANCE: STA 52+50.34 TO STA 52+66.34

SILT FENCE TO BE REMOVED FOR CONSTRUCTION ENTRANCE: STA 54+32.83 TO STA 54+50.17

EATON PLACE

48 49 50 51 52 53 54 55

3-1 3-2

15" RCP

SEE ENTRANCE NOTE BELOW

LOD

IP-B

REPLACE EXIST. COVER WITH NON-SKID COVER

CE

SF-A

SAF

LOD

PROP. PERM. SIDEWALK EASEMENT

PROP. TEMP. CONSTRUCTION EASEMENT

PROP. R/W

PROP. PERM. PATH MAIN. EASEMENT

In Pl. Curb Inlet TO BE CLEANED OUT

In Pl. 24" RCP

EOT

In Pl. Grate Inlet
Top = 350.03 Inv. In = 344.24
Inv. Out = 344.3
In Pl. 24" RCP
Flr. of Silt

MATCHLINE SHEET 2C(3) - STA. 11+00.00

PROP. SAFETY FENCE SHALL BE MAINTAINED UNTIL ENTRANCE IS OPEN TO TRAFFIC AT WHICH TIME IT SHOULD BE REMOVED WHERE IN CONFLICT WITH ACCESS.

TEMPORARY CONSTRUCTION ENTRANCE LOCATIONS FOR PROPERTY OWNER ACCESS ONLY. TO BE INSTALLED PRIOR TO OTHER CONSTRUCTION AND REMOVED UPON COMPLETION OF PROPOSED ROADWAY. ACCESS LOCATION TO BE CONFIRMED WITH PROPERTY OWNER IN FIELD IN ACCORDANCE WITH RIGHT OF ENTRY AGREEMENT. PROP. CONSTRUCTION ENTRANCE LENGTHS AND MATERIALS SHALL BE ADJUSTED TO ENSURE PASSENGER CAR ACCESS AND USE FOR VEHICLE STORAGE AREAS WITH PRIOR APPROVAL FROM THE CITY INSPECTOR.

NOTE: DRAINAGE IS TO BE DIVERTED AROUND TREE BOXES UNTIL FINAL STABLILIZATION IS ACHEIVED.

NOTE: EROSION CONTROL MEASURES FOR EXISTING DRAINAGE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION OR UNTIL SUCH TIME WHEN PROPOSED FACILITIES ARE IN PLACE AND/OR EXISTING FACILITIES ARE TAKEN OUT OF SERVICE.

NOTE: CONTRACTOR SHALL INSTALL ALL PERIMETER CONTROLS AND EXISTING STRUCTURE PROTECTIONS PRIOR TO COMMENCING LAND DISTURBANCE. SEE GENERAL NOTES.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Erosion & Sediment Control Notes	2C(1)
Roadway Plan	3B

PROPOSED RIGHT-OF-WAY
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT SLOPE/DRAINAGE EASEMENT

COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	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

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-198	2C(3)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
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ROADSIDE DEVELOPMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2D

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

CORE MIX

MIX	LBS./ ACRES	DESCRIPTION
1	▲	✳ 100% CERTIFIED FINE FESCUE
2	▲	100% CERTIFIED TALL FESCUE
3	▲ 50	50% CERTIFIED TALL FESCUE
	50	✳ 50% CERTIFIED FINE FESCUE
4	▲	50% ORCHARDGRASS 50% CERTIFIED KENTUCKY BLUEGRASS
5	▲	100% BERMUDAGRASS
C 1, 2 & 3		CUSTOM MIX
T1	50	50% CERTIFIED TALL FESCUE
	50	50% BARLEY, WINTER RYE OR WINTER WHEAT
T2	50	50% FOXTAIL MILLET
	50	50% CERTIFIED TALL FESCUE

ADDITIVES

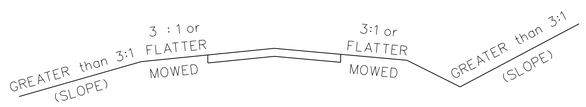
TYPE	LBS./ ACRES	DESCRIPTION
A	▲	100% LOVEGRASS
B	▲	100% BARLEY, WINTER RYE OR WINTER WHEAT
C	▲ 15	100% FOXTAIL MILLET
D	▲ 15	100% ANNUAL RYEGRASS
E	▲	100% BLUE GRAMA
F	▲	100% ALFALFA
G	▲	100% WHITE CLOVER
H	▲	✳✳ 100% CROWN VETCH (LEGUME)
I	▲	✳✳ 100% SEPICEA LESPEDEZA (LEGUME)
J	▲	✳✳ 100% BIRDSFOOT TREFOIL (LEGUME)
K	▲	POLLINATOR SEED MIX

▲ ALL RATES TO BE SPECIFIED BY THE DISTRICT ROADSIDE MANAGER

✳ FINE FESCUES INCLUDE CHEWINGS, CREEPING RED, HARD, SHEEP. SEE SEEDING SCHEDULE FOR TYPE(S) SPECIFIED FOR THIS PROJECT.

✳✳ THESE ADDITIVES ARE NOT TO BE USED IN AREAS THAT WILL BE MOWED. (SLOPES 3:1 OR FLATTER)

SECTION OF SEED LOCATIONS



NOTES:

APPROXIMATELY 0.38 ACRES WILL BE DISTURBED ON THIS PROJECT AND WILL REQUIRE THE ESTABLISHMENT OF GRASSES AND/OR LEGUMES.

☆ NOTES FOR FIELD USE ONLY

OVERSEEDING RATES SHALL BE 100 PERCENT OF THE SEED MIXTURE SUPPLIED WITHOUT FERTILIZER.

THE ENGINEER WILL REQUIRE THE CONTRACTOR TO PERFORM SUPPLEMENTAL SEEDING WHEN LESS THAN 75 PERCENT UNIFORM STAND OF THE PERMANENT GRASS SPECIFIED IN THE MIXTURES IS OBTAINED. (ANNUAL SPECIES SUCH AS, RYE AND MILLET ARE TEMPORARY VARIETIES AND REQUIRE SUPPLEMENTAL SEEDING.)

NOTES APPLY TO SCHEDULE

LEGUME SEED MIXES (BIRDSFOOT TREFOIL, CROWNVETCH, AND SERICEA LESPEDEZA) AND WEEPING LOVEGRASS SHALL NOT BE USED ON SHOULDERS AND OTHER LOCATIONS FLATTER THAN 3:1 SLOPE.

LEGUME SEED SHALL BE INOCULATED WITH THE APPROPRIATE STRAIN AND RATE OF BACTERIA. FOR HYDROSEEDING, USE FIVE TIMES THE DRY SEEDING RATE OF INOCULATE.

A TEMPORARY MIX OR EROSION CONTROL MULCH, AS DIRECTED BY THE ENGINEER, IS TO BE USED ONLY ON AREAS THAT ARE TO BE REGRADED OR LATER DISTURBED, IF LEFT DORMANT FOR MORE THAN 15 DAYS.

EROSION CONTROL MULCH, AS DIRECTED BY THE ENGINEER, IS TO BE USED ON AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN 15 DAYS BETWEEN DECEMBER 1 AND FEBRUARY 28.

EROSION CONTROL MULCH, AS LISTED ON THE VDOT APPROVED PRODUCTS LIST, SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMENDATIONS.

EROSION CONTROL MULCH SHALL PROVIDE 100 PERCENT COVERAGE OF ALL DENUDED AREAS. SPRING & SUMMER AND FALL & WINTER DEFINED FOR THE PURPOSE OF DETERMINING WHETHER HULLED OR UNHULLED BERMUDAGRASS AND SERICEA LESPEDEZA SEED IS REQUIRED:

SPRING & SUMMER 3/1 - 9/15 - USE HULLED SEED
FALL & WINTER 9/15 - 2/29 - USE UNHULLED SEED

TYPE I MULCH (STRAW) TO BE USED ON NEWLY SEEDED AREAS ADJACENT TO ALL WATERWAYS, WETLANDS, SWAMPS, OR ANY AREA IN WHICH DRAINAGE FLOWS TOWARD AREAS UNDER THE JURISDICTION OF THE ENVIRONMENTAL REGULATORY AGENCIES.

TYPE I MULCH SHALL BE APPLIED TO PROVIDE A MINIMUM 90 PERCENT COVERAGE.

TYPE I MULCH SHALL BE TACKED WITH FIBER MULCH AT THE RATE OF 750 LBS. PER ACRE AND/OR MULCH TACKIFIER.

TYPE II MULCH (FIBER MULCH) MAY BE SUBSTITUTED FOR TYPE I MULCH AT THE RECOMMENDATION OF THE DISTRICT ROADSIDE MANAGER.

TYPE II MULCH SHALL BE APPLIED AT A RATE OF 1500 LBS. (NET DRY WEIGHT) PER ACRE TO PROVIDE A MINIMUM OF 90 PERCENT COVERAGE, AND SHALL BE APPLIED IN A SEPARATE APPLICATION.

ALL TOPSOIL IS TO BE FREE OF HARD LUMPS, CLODS, ROCKS AND FOREIGN DEBRIS AND IS TO BE HAND RAKED TO TIE INTO EXISTING LAWNS.

ALL SEED MUST BE IN CONFORMANCE WITH VDOT SEED SPECIFICATIONS FOR GRASSES & LEGUMES AND BE PROVIDED AT THE PROJECT SITE IN BAGS NOT OPENED AND LABELED FOR USE ON VDOT PROJECTS WITH A GREEN TAG CERTIFYING INSPECTION BY THE VIRGINIA CROP IMPROVEMENT ASSOCIATION.

MIX REQUIREMENTS THIS PROJECT

RECOMMENDATIONS FOR THE APPLICATION OF SEED MIXTURES (CORE MIX AND ADDITIVES), FERTILIZER, LIME, ETC. ARE TO BE OBTAINED FROM THE DISTRICT ROADSIDE MANAGER.

SEEDING SCHEDULE

CODES LISTED IN TABLE REFER TO THE LISTS OF CORE MIXES & ADDITIVES, WHICH SHOW SEED NAMES & APPLICATION RATES FOR THIS PROJECT.	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE	SLOPES SEED MIX WITH ADDITIVE	MOWED SEED MIX WITH ADDITIVE
	SPRING MONTH & DATE		SUMMER MONTH & DATE		FALL MONTH & DATE		WINTER/DORMANT MONTH & DATE	
	3/1 - 5/15		5/16 - 9/15		9/16 - 11/15		11/16 - 2/29	
PROJECT NUMBERS AND/OR LOCATION								
0663-020-R81	3, D	3, D	3, C	3, C	3, C	3, D	3, D	3, D
✳ SPECIFY KIND OF FINE FESCUE	HARD	HARD	HARD	HARD	HARD	HARD	HARD	HARD

ROADSIDE DEVELOPMENT SUMMARY

PROJECT NUMBERS AND/OR LOCATION DESC.	REGULAR SEED	OVER SEEDING	LEGUME SEED	LEGUME OVER SEEDING	TEMPORARY SEED	⊗ TOPSOIL 2" CLASS A	LIME	FERTILIZER N NITROGEN	FERTILIZER P PHOSPHORUS	FERTILIZER K POTASSIUM	HECP (TYPE 1)	HECP (TYPE 2)	HECP (TYPE 3)	HECP (TYPE 4)
	LBS.	LBS.	LBS.	LBS.	LBS.	ACRES	TONS	LBS.	LBS.	LBS.	S. Y.	S. Y.	S. Y.	S. Y.
0663-020-R81	57	46	4	3	38	0.38	1.70	36	50	25	1388	352	2371	0
TOTAL	57	46	4	3	38	0.38	1.70	36	50	25	1388	352	2371	0

⊗ DENOTES ITEM(S) TO BE PAID FOR ON THE BASIS OF PLAN QUANTITIES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CURRENT ROAD AND BRIDGE SPECIFICATIONS.

PROJECT	SHEET NO.
U000-151-198	2D

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SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

DRAINAGE AREA MAP

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2E

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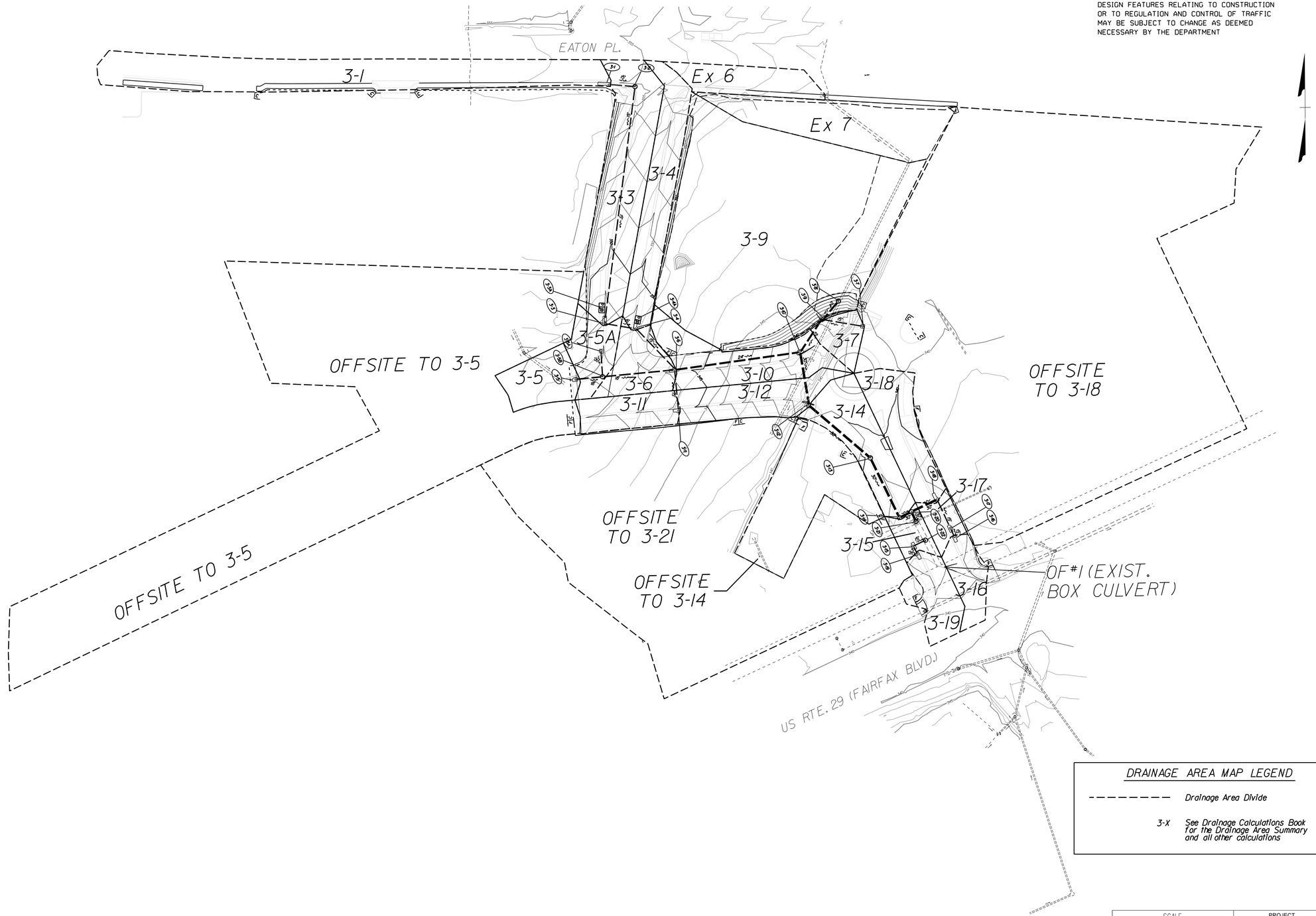

DRAINAGE AREA MAP LEGEND

- Drainage Area Divide
- 3-X See Drainage Calculations Book for the Drainage Area Summary and all other calculations

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-198	2E

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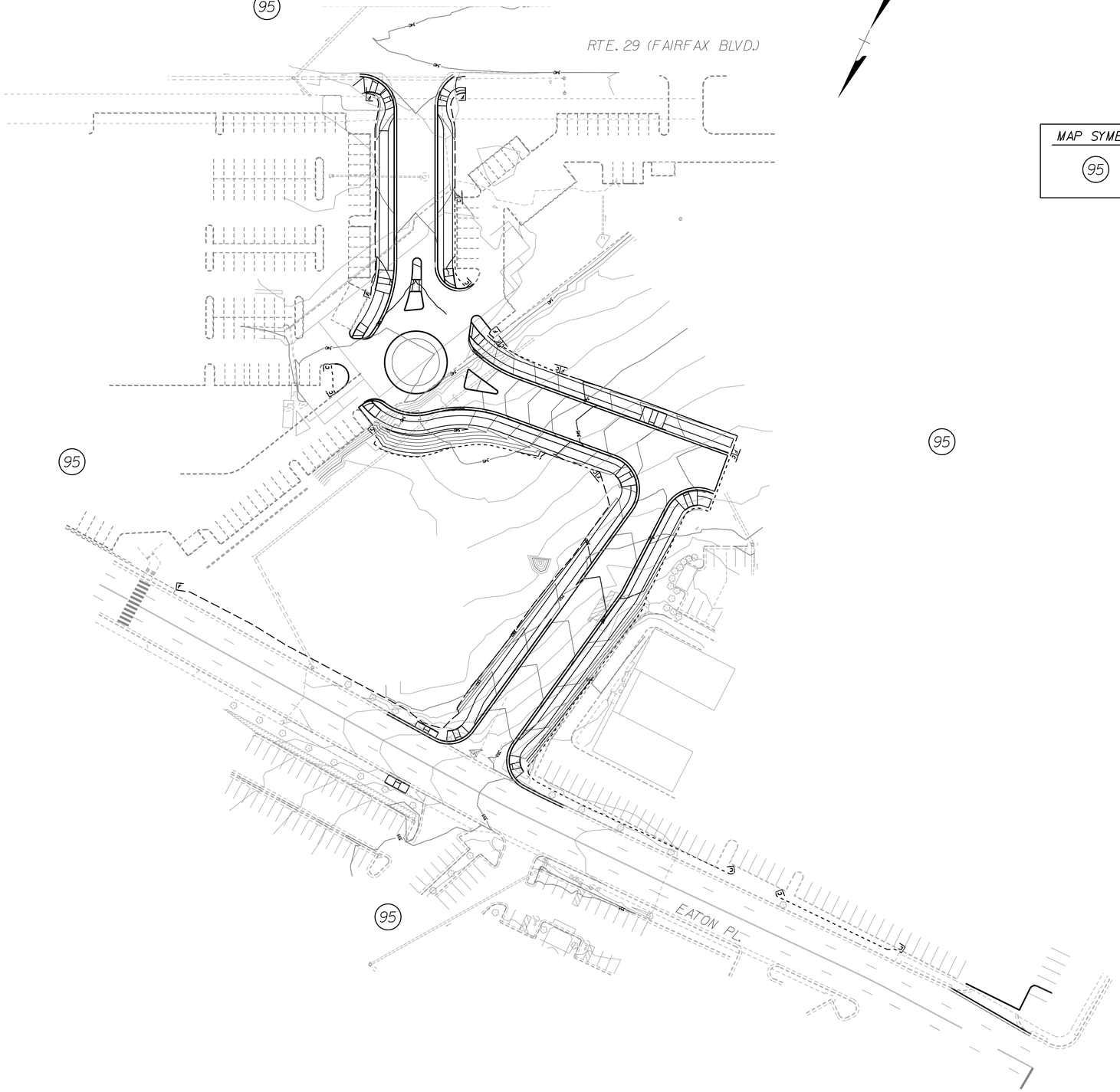
SOIL SURVEY MAP



REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2F

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MAP SYMBOL	SOIL TYPE	CLASS
95	Urban Land	N/A

SCALE	PROJECT	SHEET NO.
0 50' 100'	U000-151-198	2F

7/28/2021
8:36:02 AM

d10930902G(1).dgn
Plotted By: KaitlynJenkins

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GEOMETRY PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2G(1)

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REFER TO GEOMETRY PLAN DETAIL SHEETS NOTED BELOW FOR SPECIFIC INTERSECTION DETAILS

NOTE: CONTRACTOR TO MATCH EXISTING CONDITIONS WHEN TYING TO EXISTING. IF PROPOSED OFFSET/ELEVATION INFO APPEARS TO CONFLICT WITH EXISTING CONDITIONS, CONTRACTOR TO NOTIFY THE ENGINEER PRIOR TO CONSTRUCTING FOR REVIEW AND REVISION AS NEEDED.

NOTE: CONTRACTOR TO CONFIRM POSITIVE DRAINAGE BASED ON PROPOSED ELEVATIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTING. CONTRACTOR TO NOTIFY CITY OF FAIRFAX 72 HOURS PRIOR TO COMPLETING CURB RAMP FORM WORK FOR REVIEW AND APPROVAL PRIOR TO POURING CONCRETE.

NOTE:
SHADED ITEMS ARE TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-198	2G(1)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

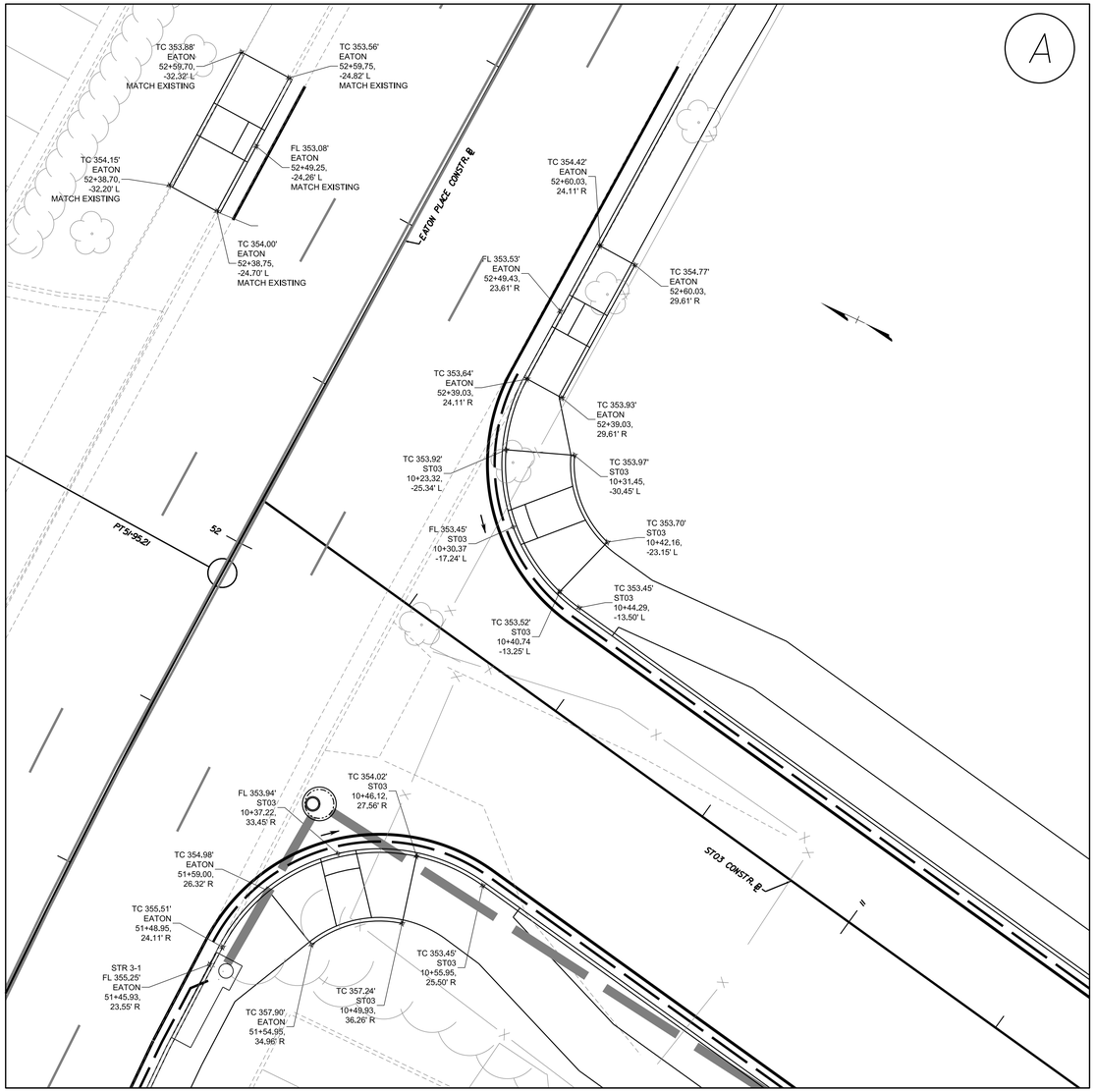
GEOMETRY PLAN

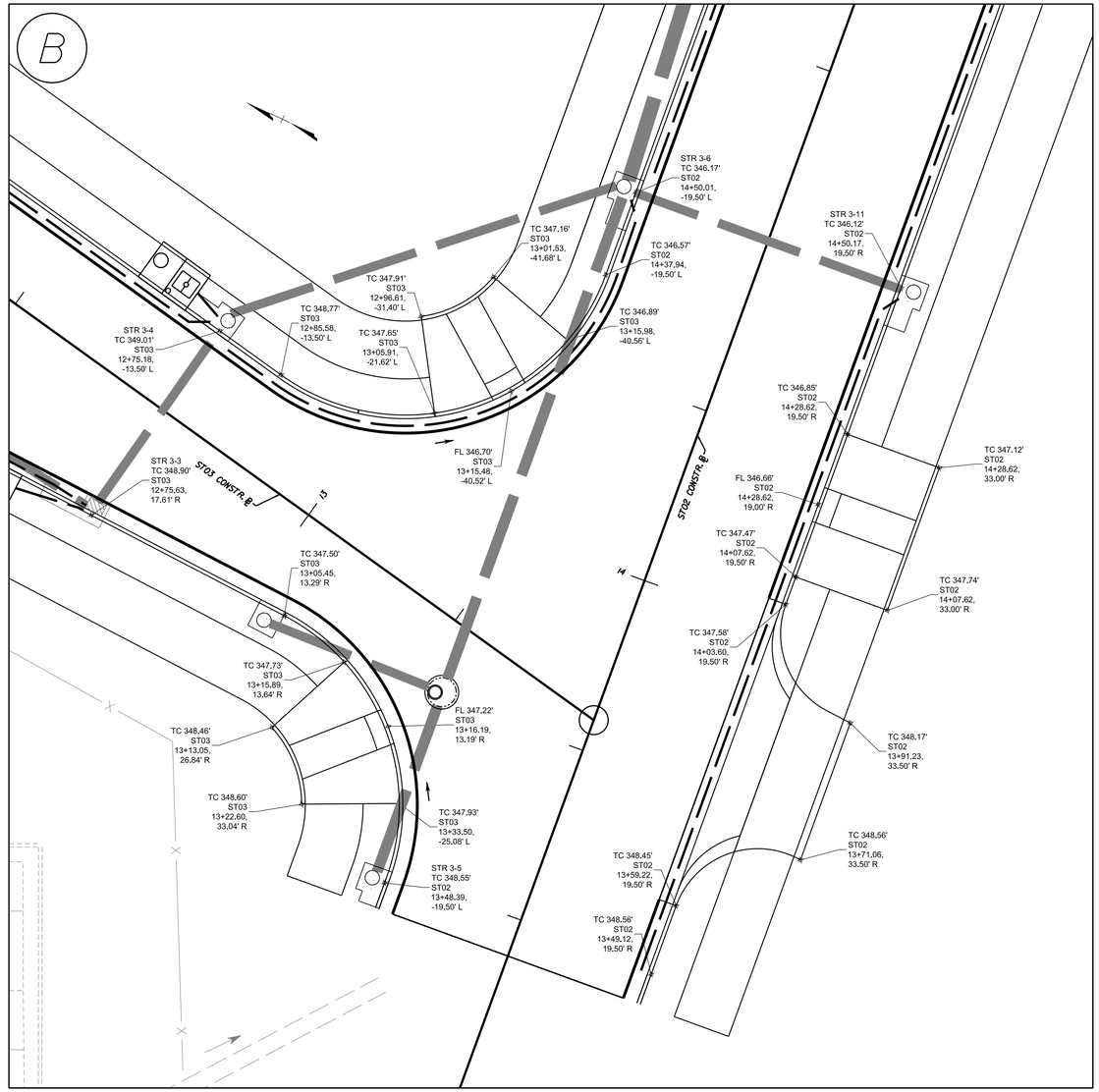
COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2G(2)

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





SCALE	PROJECT	SHEET NO.
0 10' 20'	U000-151-198	2G(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

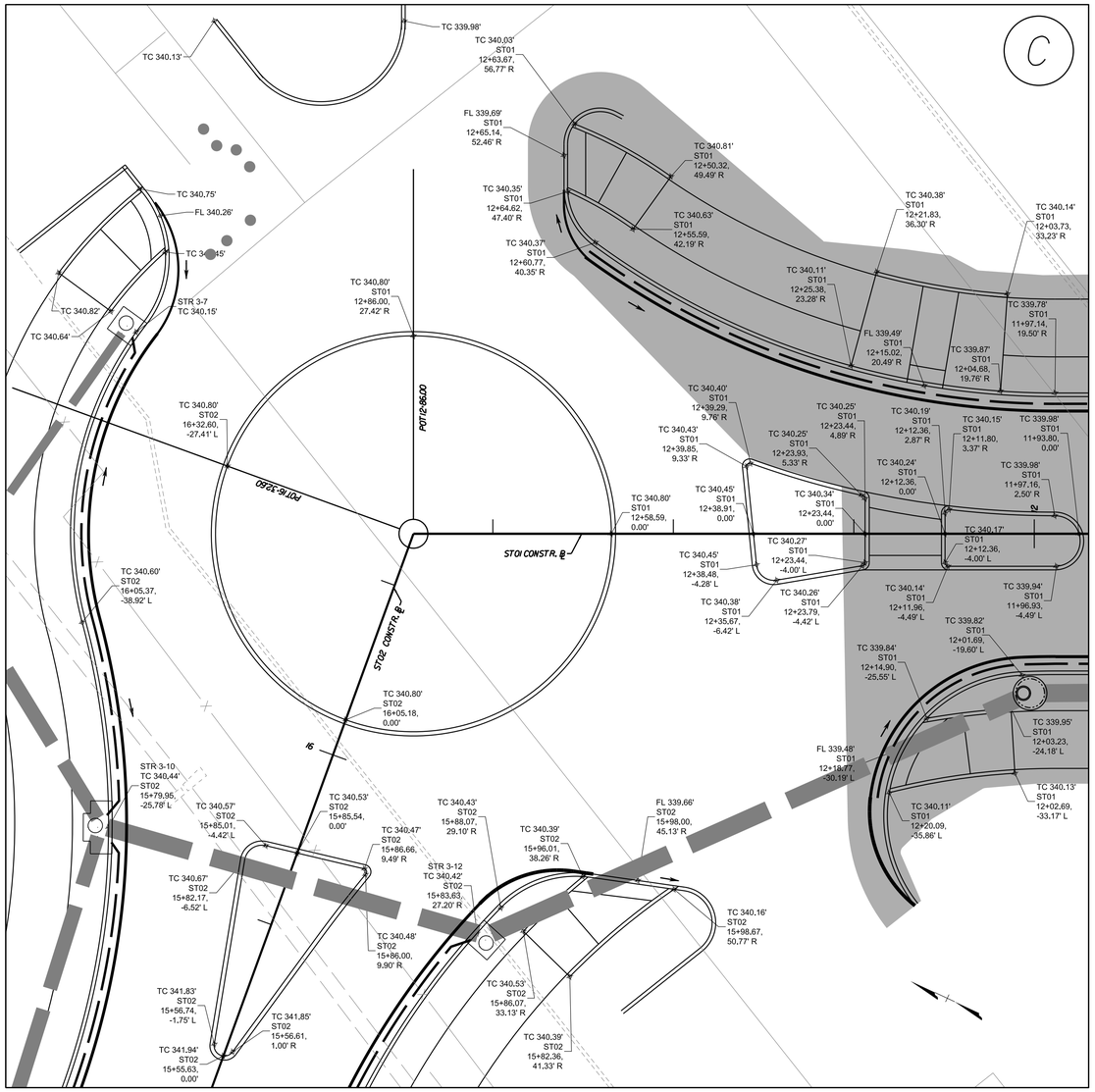
GEOMETRY PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	2G(3)

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



NOTE:
SEE SHEET 3C FOR ADDITIONAL DETAILS AND MODIFICATIONS TO AREAS CONSTRUCTED BY OTHERS.

NOTE:
SHADED ITEMS ARE TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

SCALE	PROJECT	SHEET NO.
0 10' 20'	U000-151-198	2G(3)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	3

NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

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

NOTE: EXISTING PAVEMENT CONSTRUCTED BY OTHERS AND NOT REMOVED FOR THE CONSTRUCTION OF THE ROUNDABOUT TRUCK APRON AND OTHER MODIFICATIONS SHOWN MAY REMAIN. CONTRACTOR SHALL MILL AND OVERLAY CIRCULATORY ROADWAY AREA AT A MINIMUM AND/OR TO 5' BEYOND ANY PAVEMENT PATH ON ENTRANCES OR STOI.

FOR INSET DETAILS AND MODIFICATIONS, REFER TO DETAIL SHEET 3C

END CONSTRUCTION
STA. 12+86.00 STOI ℄
STA. 16+32.60 ST02 ℄

BEGIN PROJECT U000-151-198, P101, R201, C501

BEGIN CONSTRUCTION
STA. 10+30.50 STOI ℄

END CONSTRUCTION
STA. 13+30.95 ST03 ℄

BEGIN CONSTRUCTION
STA. 13+37.66 ST02 ℄

NOTE: CONTRACTOR MAY ELECT TO DEMOLISH ONLY PART OF MEDIAN NOSE TO TIE INTO CONSTRUCTION COMPLETED BY OTHERS

NOTE:
SHADED ITEMS ARE APPROXIMATE AND TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

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

001
FAIRFAX REGENCY, LLC
D.B. 19329, PG. 1549
D.B. 25751, PG. 1368
PIN- 57 2 02 028B
6.062 ACRES

002
ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES

003
FAIRFAX, LTD. II, LLC
D.B. 22589, PG. 1226
D.B. 4523, PG. 478
D.B. 3260 PG. 382 (PLAT)
PARCEL IB
SUBDIVISION OF THE PROPERTY OF FAIRFAX MOTEL CORPORTATION & SAMUEL W. EATON
PIN 57 2 02 002
2.090 ACRES

004
FAIRFAX HARBOR REAL ESTATE, LLC
D.B. 25134, PG. 847
PIN 57 2 02 025
2.553 ACRES

MCKAY CHEVROLET, INC.
D.B. 3124, PG. 321
PIN 57 2 02 024
2.701 ACRES

FARRISH REALTY FOUR, LLC
D.B. 21738, PG. 1141
PIN 57 2 02 045 A
2.296 ACRES

BUS SHELTER & SHARED USE PATH TO BE RELOCATED BY OTHERS

ROAD & SITE IMPROVEMENTS UNDER CONSTR. (TYP.)

480' MIN. SIGHT DIST. LINE (RIGHT - 35MPH)

*ITEMS DENOTED WITH AN ASTERISK ARE ASSUMED TO BE COMPLETED PRIOR TO CONSTRUCTION BY OTHERS

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profiles	3A
Drainage Descriptions	4
Pavement Marking & Signing	5(3)
Erosion & Sediment Control Plans	2C(2)
Traffic Signal Plan	6(3)

SEE SHEET IH FOR UTILITY OWNER DATA

LEGEND

1. St'd. CG-6 Req'd.
2. Prop. 8' Shared Use Path
3. St'd. CG-12 Type B Req'd.
4. St'd. CG-12 Type M-2 Req'd.
5. Prop. Detectable Warning Surface Req'd.
6. St'd. MS-1 or MS-1A Req'd.
7. St'd. UD-4 Underdrain Req'd.
8. Modified CG-3 Curb Req'd. (See Typical Sections)
9. St'd. Conc. Truck Apron
10. St'd. HR-1 Type III Handrail Req'd.
11. St'd. CG-2 Curb Req'd.
12. Prop. 5' Sidewalk
13. St'd. CG-9D Req'd. (W=20', R=12')

C ___ Denotes Construction Limits in Cuts
F ___ Denotes Construction Limits in Fills
Denotes Proposed Mast Arm Location
DND Denotes Do Not Disturb
Denotes On-site BioFiltration System

Denotes New Pavement
Denotes Prop. Conc. Shared Use Path
Denotes Stamped Concrete Tinted Red
Denotes Concrete Sidewalk

Denotes Prop. Permanent Easement
Denotes Prop. Temporary Construction Easement

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	3

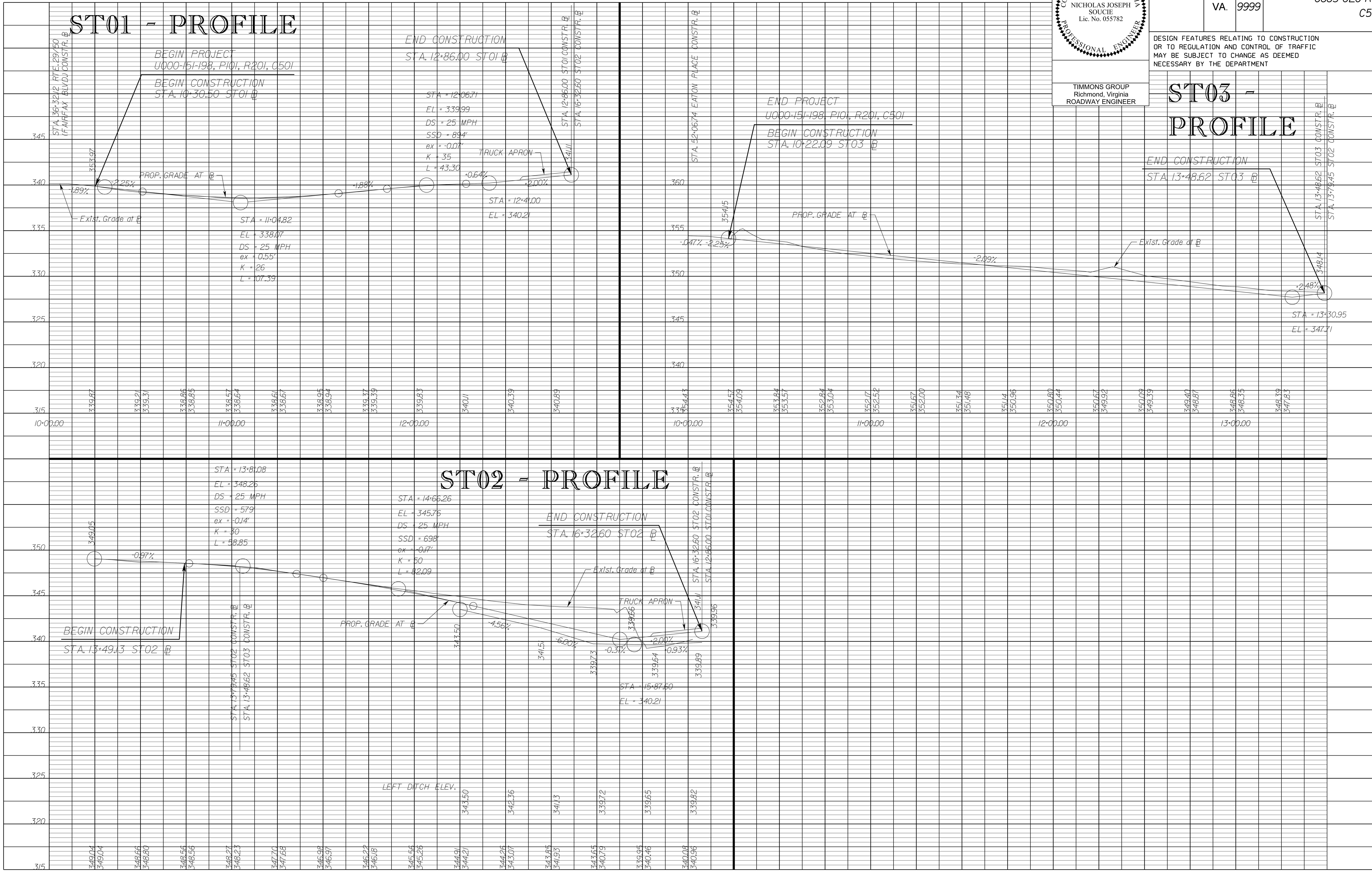
PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	9999	0663-020-R81 C501	3A

NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

TIMMONS GROUP
Richmond, Virginia
ROADWAY ENGINEER

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



1/28/2021
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Plotted By: KaitlynJenkins

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

NOTE: PORTIONS OF SURVEY INFORMATION DISPLAYED ON THIS SHEET, SPECIFICALLY ALONG EATON PLACE, IS BASED ON GIS DATA ONLY. FIELD SURVEY TO BE COMPLETED AND INCORPORATED INTO THE PLANS.

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	3B

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

EATON PLACE
INSET 'A'
1" = 25'
CONNECT TO EXIST. CURB & GUTTER
CHAIN BRIDGE ROAD FRONTAGE
DEMO. CURB
CONNECT TO EXIST. 5' SIDEWALK
REMOVE 2 PARKING SPOTS
- CONTRACTOR SHALL INSTALL NEW PAVEMENT WITHIN LIMITS OF NEW CURB AND STRIPE 5 9'x18' PARKING SPOTS
- CONTRACTOR SHALL DEMOLISH EXIST. CONC. APRON, CURB, CURB RAMPS, AND ASPHALT AS REQ'D.
- CONTRACTOR SHALL SEED BUFFER STRIP. ASPHALT SHALL BE SAW-CUT AND REPLACED ON EATON PLACE AND IN PARKING LOT AS NECESSARY IN ACCORDANCE WITH VDOT ST'D. WP-2. CURB AND SIDEWALK SHALL TIE TO EXISTING AT LIMITS OF SIDEWALK INSTALLATION.
- THIS AREA HAS NOT BEEN FIELD-SURVEYED. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING UTILITIES, PRIOR TO CONSTRUCTION. CONTRACTOR SHALL LIMIT DISTURBANCE TO THAT WHICH IS STRICTLY NECESSARY. CONTRACTOR SHALL RELOCATE AND/OR REPLACE IN-KIND ANY EXISTING SITE FEATURES AS NEEDED.
PDC EATON PLACE LLC
D.B. 24243, PG. 1610
D.B. 3710 PG. 585 (PLAT)
PIN 47 4 02 002 C
3.531 ACRES
U.S. BANK NATIONAL ASSOCIATION, AS TRUSTEE, AS SUCCESSOR-IN-INTEREST TO BAK OF AMERICA, NATIONAL ASSOCIATION, AS TRUSTEE, AS SUCCESSOR-BY-MERGER TO LASALLE BANK NATIONAL ASSOCIATION, AS TRUSTEE FOR THE REGISTERED HOLDERS OF LB-UBS COMMERCIAL MOTGAGE TRUST 2006-C6, COMMERCIAL MOTGAGE PASS-THROUGH CERTIFICATES, SERIES 2006-C6
D.B. 24622, PG. 1090
PIN 47 4 02 02 002
4.494 ACRES
END PROJECT
U000-151-198, P101, R201, C501
BEGIN CONSTRUCTION
STA. 10+22.09 ST03 ℄
END CONSTRUCTION
STA. 55+04.33 EATON PLACE ℄
BEGIN CONSTRUCTION
STA. 47+85.26 EATON PLACE ℄
295' MIN. SIGHT DISTANCE LINE (LEFT - 25 MPH)
TIE TO PROPOSED 4' SITE SIDEWALK (BY OTHERS)*
315' MIN. SIGHT DISTANCE LINE (RIGHT - 25 MPH)
PROPOSED 4' SITE SIDEWALK (BY OTHERS)*
PC 47+71.82
PT 48+21.31
POT 50+00.00
PC 51+26.15
PT 51+95.21
POT 55+50.00
S 89° 52' 01" E
S 89° 20' 13" E
S 86° 17' 35" E
EATON PLACE CONSTR. ℄
EATON PLACE (RTE. 1681) (60' R/W) (D.B. 6301 PG. 713)
Exist. R/W
Exist. 2' Sidewalk Esmt. DB 6301 PG 704
U/G WATERLINE (CITY OF FAIRFAX)
U/G COMMUNICATIONS (VERIZON)
U/G CABLE TV LINE (COX COMMUNICATIONS)
U/G POWER (LIGHTING)
In Pl. Curb Inlet Rim = 354.35 18" RCP Inv. In Inaccessible (Recessed) 18" RCP Inv. Out = 348.83
In Pl. Curb Inlet Rim = 355.00 18" RCP Inv. In = 350.60 18" RCP Inv. Out Inaccessible (Recessed)
In Pl. Curb Inlet Rim = 356.07 Pipe Inaccessible (Recessed)
ADJUST TO GRADE
PROP. TEMP. CONSTRUCTION EASEMENT
PROP. PERM. SIDEWALK EASEMENT
REPLACE EXIST. COVER WITH NON-SKID COVER
CONNECT TO EXIST. 5' SIDEWALK
RELOCATE EXIST. FIRE HYDRANT BEHIND SIDEWALK (APPROX. LOCATION)
TIE TO EXIST. PARKING LOT
TIE TO EXIST. C&G
PROP. PERM. SIGHT DISTANCE EASEMENT
STRIPING SHALL BE ERADICATED THROUGH WIDTH OF ENTRANCE. ALL REMAINING PARKING SPOTS IN THIS AREA SHALL BE STRIPED TO INDICATE NO PARKING ADJACENT TO PROP. ENTRANCE
PROP. SIDEWALK SHALL BE CONSTRUCTED @ EXIST. BACK OF CURB - MATCH CURB GRADES
ST'D. CG-9D ENTRANCE REQ'D. (W = 30'(R = 9')(TY. III) EXIST. CURB, SIDEWALK, & ASPHALT TO BE DEMOLISHED AND REPLACED IN ACCORDANCE WITH VDOT ST'D. WP-2
PROP. R/W
ST03 CONSTR. ℄
MATCHLINE SHEET 3 - STA. 11+00.00
PROP. PERM. PATH MAIN. EASEMENT
TIE TO EXIST. C&G
PROP. PERM. DOMINION EASEMENT
PROP. PERM. SIGHT DISTANCE EASEMENT
PROP. SIDEWALK SHALL BE CONSTRUCTED @ EXIST. BACK OF CURB - MATCH CURB GRADES
PROP. PERM. SIDEWALK EASEMENT
PROP. TEMP. CONSTRUCTION EASEMENT
FUTURE SITE DEVELOPMENT (BY OTHERS)*
NOTE: WORK OUTSIDE OF PROP. EASEMENTS SHOWN ON PARCEL 003 IS TO BE COMPLETED IN ACCORDANCE WITH THE RIGHT-OF-ENTRY AGREEMENT BETWEEN THE CITY AND THE PROPERTY OWNER. ENTRANCE WORK SHALL BE COORDINATED WITH THE PROPERTY OWNER SO AS TO NOT DISRUPT DAILY BUSINESS OPERATIONS. A COPY OF THE AGREEMENT AND CONTACT INFORMATION IS AVAILABLE FROM THE ENGINEER UPON REQUEST.
003
FAIRFAX, LTD. II, LLC
D.B. 22589, PG. 1226
D.B. 4523, PG. 478
D.B. 3260 PG. 382 (PLAT)
PARCEL 1B
SUBDIVISION OF THE PROPERTY OF FAIRFAX MOTEL CORPORTATION & SAMUEL W. EATON
PIN 57 2 02 002
2.090 ACRES
002
ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES
001
FAIRFAX REGENCY, LLC
D.B. 19329, PG. 1549
D.B. 25751, PG. 1368
PIN 57 2 02 028B
6.062 ACRES

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

Mainline Profiles	3A
Drainage Descriptions	4
Pavement Marking & Signing	5(3B)
Erosion & Sediment Control Plans	2C(3)

LEGEND

1. St'd. CG-6 Req'd.
2. Prop. 8' Shared Use Path
3. St'd. CG-12 Type B Req'd.
4. St'd. CG-12 Type M-2 Req'd.
5. Prop. Detectable Warning Surface Req'd.
6. St'd. MS-1 or MS-1A Req'd.
7. St'd. UD-4 Underdrain Req'd.
8. Modified CG-3 Curb Req'd. (See Typical Sections)
9. St'd. Conc. Truck Apron
10. St'd. HR-1 Type III Handrail Req'd.
11. St'd. CG-2 Curb Req'd.
12. Prop. 5' Sidewalk
13. St'd. CG-9D Req'd. (W=20', R=12')

C — Denotes Construction Limits In Cuts
F — Denotes Construction Limits In Fills
Denotes Proposed Mast Arm Location
DND Denotes Do Not Disturb
Denotes Onsite BioFiltration System
Denotes New Pavement
Denotes Prop. Conc. Shared Use Path
Denotes Stamped Concrete Tinted Red
Denotes Concrete Sidewalk
Denotes Prop. Permanent Easement
Denotes Prop. Temporary Construction Easement

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

SEE SHEET 1H FOR UTILITY OWNER DATA

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-198	3B

1/22/2021
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Plotted By: KaitlynJenkins

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

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

COMMONWEALTH OF VIRGINIA
John H. Genthner
Lic. No. 3081
LAND SURVEYOR

Timmons Group
Richmond, Virginia
LAND SURVEYOR

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
06-12-20	VA.	9999	U000-151-198 P101	3BRW

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

1. THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. ALL ADJOINING/DEPARTING BOUNDARY LINES SHOWN FROM EXISTING R/W ARE COMPILED FROM VARIOUS SOURCES: FOUND FIELD DOCUMENTATION, METES AND BOUNDS DESCRIPTIONS, AND RECORDED PLATS. THE ADJOINING LINES DO NOT REPRESENT A FIELD RUN SURVEY OF THE ADJOINING PROPERTIES AND ARE BEST FIT BASED ON COMPILED DATA. ALL AREAS SHOWN FOR EASEMENT TAKES ARE APPROXIMATE ONLY.
2. THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY EFFECT THE PROPERTY SHOWN HEREON.
3. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAT.
4. ALL OF THE PROPERTIES PHYSICAL IMPROVEMENTS ARE NOT SHOWN HEREON.
5. BEARING AND DISTANCES IN PARENTHESIS ARE RECORD PLAT DATA.
6. ALL MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

SYMBOL LEGEND

■ Proposed R/W Monument (RW-2)

Note : Figures in brackets and dot - dashed lines denote Permanent Easements.

Note : Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

Note : All Pluses Are Referenced From Construction Baseline & Connection Baseline Unless Otherwise Noted.

LINE TABLE

LINE	LENGTH	BEARING
L1	272.60	S10°44'15"W
L2	84.33	S5°00'31"E
L3	198.96	N84°59'29"E
L4	115.69	S25°00'31"E
L5	54.28	S19°59'15"W
L6	20.76	S44°15'21"W
L7	243.04	S10°44'15"W
L8	105.80	N84°59'29"E
L9	120.56	S25°00'31"E
L10	37.43	S77°22'31"E

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-198	3BRW

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

SITE MODIFICATION PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

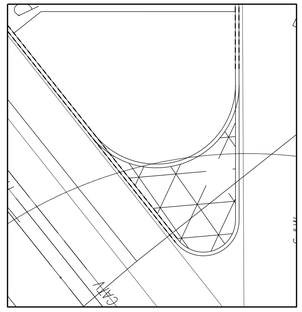
Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	3C

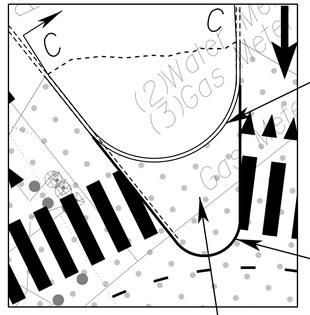
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

PROPOSED CONDITIONS BY OTHERS

A

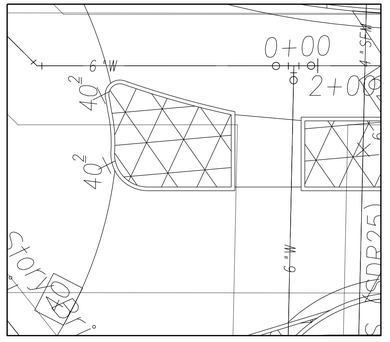


PROPOSED MODIFICATION

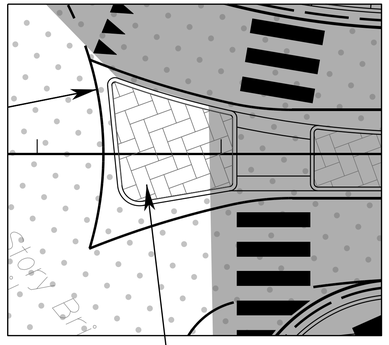


PROPOSED CONDITIONS BY OTHERS

B

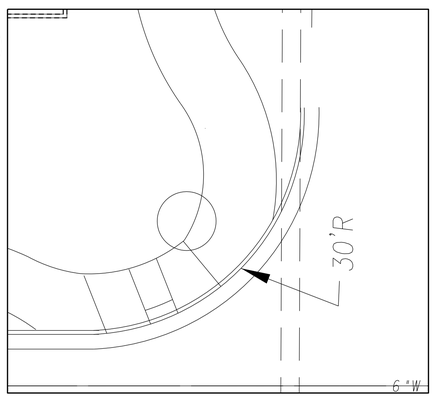


PROPOSED MODIFICATION

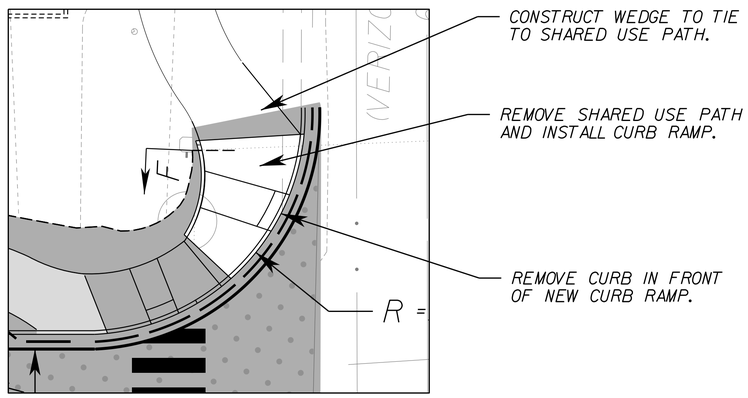


PROPOSED CONDITIONS BY OTHERS

C



PROPOSED MODIFICATION



NOTE: IF EXISTING CONDITIONS VARY FROM WHAT IS SHOWN, NOTIFY THE ENGINEER PRIOR TO COMPLETING THE WORK.

NOTE: CONTRACTOR TO TIE TO EXISTING CONDITIONS AND TO MATCH EXISTING GRADES FOR ALL MODIFICATIONS.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Plan Sheet	3
Pavement Marking & Signing	5(3)
Erosion & Sediment Control Plans	2C(2)
Geometry Plan	2G(1)

SEE SHEET IH FOR UTILITY OWNER DATA

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	3C

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

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

FAIRFAX REGENCY, LLC
D.B. 19329, PG. 1549
D.B. 25751, PG. 1368
PIN 57 2 02 028B
6.062 ACRES
001

Based on VDOT Proj. U000-151-198 R201, C501

COMMONWEALTH OF VIRGINIA
John H. Genthner
Lic. No. 3081
LAND SURVEYOR

Timmons Group
Richmond, Virginia
LAND SURVEYOR

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	3RW

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

END CONSTRUCTION STA. 12+86.00 ST01 ℄
STA. 16+32.60 ST02 ℄

PROP. PERM. PATH MAIN. EASEMENT
PROP. R/W
PROP. TEMP. CONSTRUCTION EASEMENT
PROP. TEMP. CONSTR. EASEMENT
PROP. PERM. PATH MAIN. AND DRAINAGE EASEMENT
PROP. PERM. DRAINAGE EASEMENT
PROP. PERM. DOMINION EASEMENT
PROP. TEMP. DOMINION EASEMENT
PROP. TEMP. PATH MAIN. EASEMENT

POT 12+86.00
POT 16+32.60
ST01 CONSTR. ℄
ST02 CONSTR. ℄
ST03 CONSTR. ℄
MATCHLINE SHEET 3BRW - STA. 11+00.00

N 25° 00' 31" W
N 64° 59' 29" E
S 10° 44' 15" W
S 5° 00' 31" E
N 84° 59' 29" E

002
ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES

003
FAIRFAX, LTD. II, LLC
D.B. 22589, PG. 1226; D.B. 4523, PG. 478; D.B. 3260 PG. 382 (PLAT)
PARCEL IB
SUBDIVISION OF THE PROPERTY OF FAIRFAX MOTEL CORPORATION & SAMUEL W. EATON
PIN 57 2 02 002
2.090 ACRES

004
FAIRFAX HARBOR REAL ESTATE, LLC
D.B. 25134, PG. 847
PIN 57 2 02 025
2.553 ACRES

MCKAY CHEVROLET INC.
D.B. 3124, PG. 321
PIN 57 2 02 024
2.701 ACRES

FAIRFAX REGENCY, LLC
D.B. 19329, PG. 1549
D.B. 25751, PG. 1368
PIN 57 2 02 028B
6.062 ACRES
001

ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES
002

FARRISH REALTY FOUR, LLC
D.B. 21738, PG. 1414
PIN 57 2 02 045 A
2.296 ACRES

U.S. RTE. 29/50, FAIRFAX BLVD.
RTE. 29/50 CONSTR. ℄

BEGIN PROJECT U000-151-198, P101, R201, C501
BEGIN CONSTRUCTION STA. 10+30.50 ST01 ℄
END CONSTRUCTION STA. 13+30.95 ST03 ℄
BEGIN CONSTRUCTION STA. 13+37.66 ST02 ℄

SYMBOL LEGEND
■ Proposed R/W Monument (RW-2)

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C1	70°00'00"	94.50	115.45	66.17	S60°00'31"E	108.41
C2	105°44'46"	16.50	30.45	21.80	S42°08'08"E	26.31
C3	34°58'47"	94.50	57.69	29.78	N67°30'06"E	56.80
C4	139°57'34"	60.50	147.79	166.04	S60°00'31"E	113.69
C5	34°58'47"	94.50	57.69	29.78	S7°31'07"E	56.80

LINE TABLE		
LINE	LENGTH	BEARING
L1	272.60	S10°44'15"W
L2	84.33	S5°00'31"E
L3	198.96	N84°59'29"E
L4	115.69	S25°00'31"E
L5	44.38	S19°59'15"W
L6	20.76	S44°15'21"W
L7	243.04	S10°44'15"W
L8	105.80	N84°59'29"E
L9	120.56	S25°00'31"E
L10	37.43	S77°22'31"E

NOTES:
1. THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. ALL ADJOINING/DEPARTING BOUNDARY LINES SHOWN FROM EXISTING R/W ARE COMPILED FROM VARIOUS SOURCES: FOUND FIELD DOCUMENTATION, METES AND BOUNDS DESCRIPTIONS, AND RECORDED PLATS. THE ADJOINING LINES DO NOT REPRESENT A FIELD RUN SURVEY OF THE ADJOINING PROPERTIES AND ARE BEST FIT BASED ON COMPILED DATA. ALL AREAS SHOWN FOR EASEMENT TAKES ARE APPROXIMATE ONLY.
2. THIS PLAN SHEET WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOW ALL EASEMENTS WHICH MAY EFFECT THE PROPERTY SHOWN HEREON.
3. NO DESIGNATION OR LOCATION OF SUBSURFACE UTILITIES WAS PERFORMED DURING PREPARATION OF THIS PLAT.
4. ALL OF THE PROPERTIES PHYSICAL IMPROVEMENTS ARE NOT SHOWN HEREON.
5. BEARING AND DISTANCES IN PARENTHESIS ARE RECORD PLAT DATA.
6. ALL MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

Note : Figures In brackets and dot - dashed lines denote Permanent Easements.
Note : Figures In parenthesis and dot - dot - dashed lines denote Temporary Easements.
Note : All Pluses Are Referenced From Construction Baseline & Connection Baseline Unless Otherwise Noted.

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	3RW

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

DRAINAGE DESCRIPTIONS

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
HYDRAULIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	4

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

SHEET 3

3-1: 1 - ST'D. DI-3B REQ'D.
INV. = 351.05', H = 4.7', L=12'
CONNECT UD-4 TO STRUCTURE

3-1 – 3-2: 24' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 351.05', INV. (OUT) = 350.25'
COVER = 2'

3-2: 5.7 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 349.04', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.

3-2 – 3-3: 242' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 349.04', INV. (OUT) = 345.12'
COVER = 2'

3-3: 1 - ST'D. DI-2B REQ'D.
INV. = 345.02', H = 3.9', L = 8'
CONNECT UD-4 TO STRUCTURE, ST'D. IS-1 REQ'D.

3-3A: 1 - WATER QUALITY STRUCTURE REQ'D.
TOP ELEVATION = 349.17', INV. = 345.63'
MINIMUM WQV = 297 CF
CONNECT TO STR. 3-3 USING 10' - 4" SDR 35 PVC PIPE
SEE DETAILS, THIS SHEET. STRUCTURE SHALL INCLUDE SEDIMENTATION/DEBRIS CHAMBER

3-3 – 3-4: 27' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 345.02', INV. (OUT) = 344.70'
COVER = 2'

3-4: 1 - ST'D. DI-3B REQ'D.
INV. = 344.50', H = 4.5', L = 6'
CONNECT UD-4 TO STRUCTURE, ST'D. IS-1 REQ'D.

3-4A: 1 - WATER QUALITY STRUCTURE REQ'D.
TOP ELEVATION = 349.17', INV. = 345.63'
MINIMUM WQV = 195 CF
CONNECT TO STR. 3-4 USING 5' - 4" SDR 35 PVC PIPE
SEE DETAILS, THIS SHEET. STRUCTURE SHALL INCLUDE SEDIMENTATION/DEBRIS CHAMBER

3-4 – 3-6: 57' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 344.50', INV. (OUT) = 342.20'
COVER = 2'

3-5: 1 - ST'D. DI-3B REQ'D.
INV. = 344.40', H = 4.2', L = 4'

3-5 – 3-5B: 25' - 18" STORM SEWER PIPE
INV. (IN) = 344.40', INV. (OUT) = 343.87'
COVER = 2'

3-5A: 1 - ST'D. DI-3A REQ'D.
INV. = 344.50', H = 3.2'

3-5A – 3-5B: 24' - 15" STORM SEWER PIPE
INV. (IN) = 344.50', INV. (OUT) = 344.20'
COVER = 2'

3-5B: 3.5 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 343.77', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.

3-5B – 3-6: 71' - 18" STORM SEWER PIPE REQ'D.
INV. (IN) = 343.77', INV. (OUT) = 342.00'
COVER = 2'

3-11: 1 - ST'D. DI-3B REQ'D.
INV. = 342.15, H = 4.0', L = 6'
CONNECT UD-4 TO STRUCTURE

3-11 – 3-6: 40' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 342.15', INV. (OUT) = 341.72'
COVER = 2'

3-6: 1 - ST'D. DI-3B REQ'D.
INV. = 338.20', H = 8.0', L = 6'
CONNECT UD-4 TO STRUCTURE, ST'D. IS-1 REQ'D.

3-6 – 3-10: 127' - 24" STORM SEWER PIPE REQ'D.
INV. (IN) = 338.20', INV. (OUT) = 335.85'
COVER = 2'

3-8: 8.8 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 336.77', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
CONNECT EXIST. 24" PIPE

3-8 – 3-9: 21' - 24" STORM SEWER PIPE REQ'D.
INV. (IN) = 336.77', INV. (OUT) = 336.05'
COVER = 2'

3-9: 1 - ST'D. DI-5 REQ'D. TYPE 1 GRATE REQ'D.
ST'D PG-2A TYPE E COVER
INV. = 335.94', H = 4.7'
ST'D. IS-1 REQ'D.
MIN. 5' DIA. BASE UNIT REQ'D

3-9 – 3-10: 40' - 24" STORM SEWER PIPE REQ'D.
INV. (IN) = 335.94', INV. (OUT) = 335.50'
COVER = 2'

3-7: 1 - ST'D. DI-3A REQ'D.
INV. = 336.63', H = 3.9'

3-7 – 3-9: 40' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 336.63', INV. (OUT) = 336.10'
COVER = 2'

3-10: 1 - ST'D. DI-3C REQ'D.
INV. = 334.58, H = 5.8', L = 6', ST'D. IS-1 REQ'D.
2 - CONNECT UD-4 TO STRUCTURE

3-10 – 3-12: 54' - 30" STORM SEWER PIPE REQ'D.
INV. (IN) = 334.68', INV. (OUT) = 334.38'
COVER = 2.5'

3-12: 1 - ST'D. DI-3A REQ'D.
INV. = 334.28', H = 6.1', ST'D. IS-1 REQ'D.
CONNECT UD-4 TO STRUCTURE
STRUCTURE SHALL BE CONSTRUCTED ON PIPE CONSTRUCTED BY OTHERS (3-12 TO 3-13) - CONTRACTOR SHALL VERIFY LOCATION AND GRADE OF PIPE BY OTHERS TO BE CONSISTENT WITH PROPOSED CONDITIONS PRIOR TO BEGINNING UPSTREAM DRAINAGE CONSTRUCITON AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

3-12 – 3-13: 80' - 30" STORM SEWER PIPE REQ'D.
INV. (IN) = 334.28', INV. (OUT) = 333.77'
COVER = 3'

3-13: 6.2 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 333.67', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.

3-13 – 3-14: 65' - 30" STORM SEWER PIPE REQ'D.
INV. (IN) = 333.67', INV. (OUT) = 331.50'
COVER = 3'

3-14: 1 - ST'D. DI-3A REQ'D.
INV. = 330.69', H = 8.1'
ST'D. IS-1 REQ'D.
CONNECT UD-4 TO STRUCTURE

3-14 – 3-20: 10' - 30" STORM SEWER PIPE REQ'D.
INV. (IN) = 330.69', INV. (OUT) = 330.64'
COVER = 5'

3-15: 1 - ST'D. DI-3C REQ'D.
INV. = 331.50', H = 7.1', L = 6'
ST'D. IS-1 REQ'D.
2 - CONNECT UD-4 TO STRUCTURE

3-15 – 3-22: 11' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 334.50', INV. (OUT) = 334.30'
COVER = 2.5'

3-16: 1 - ST'D. DI-3B REQ'D.
INV. = 334.79', H = 3.9', L=6'

3-16 – 3-17: 7' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 334.79', INV. (OUT) = 334.70'
COVER = 2'

3-17: 1 - ST'D. DI-3C REQ'D.
INV. = 334.60', H = 4.1', L = 6'
ST'D. IS-1 REQ'D.
2 - CONNECT UD-4 TO STRUCTURE

3-17 – 3-18: 31' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 334.60', INV. (OUT) = 333.50'
COVER = 2.5'

3-18: 1 - ST'D. DI-3B REQ'D.
INV. = 332.75', H = 6.0', L=8'
ST'D. IS-1 REQ'D.
CONNECT UD-4 TO STRUCTURE

3-18 – 3-20: 25' - 30" STORM SEWER PIPE REQ'D.
INV. (IN) = 332.75', INV. (OUT) = 332.25'
COVER = 3'

3-19: 1 - ST'D. DI-3B REQ'D.
INV. = 332.00', H = 6.7', L = 6'

3-19 – 3-15: 7' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 334.70', INV. (OUT) = 334.60'
COVER = 2.5'

3-20: 7.8 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 330.10', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.

3-20 – 3-21: 7' - 30" STORM SEWER PIPE REQ'D.
INV. (IN) = 330.10', INV. (OUT) = 329.90'
COVER = 5.5'

3-21: 8.4 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 329.50', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
REMOVE EXIST. GRATE INLET
CONSTRUCT MANHOLE TO ACCEPT EXIST. 60" RCP IN, PROP. 30" RCP IN, AND EXIST. 76" x 48" RCP OUT

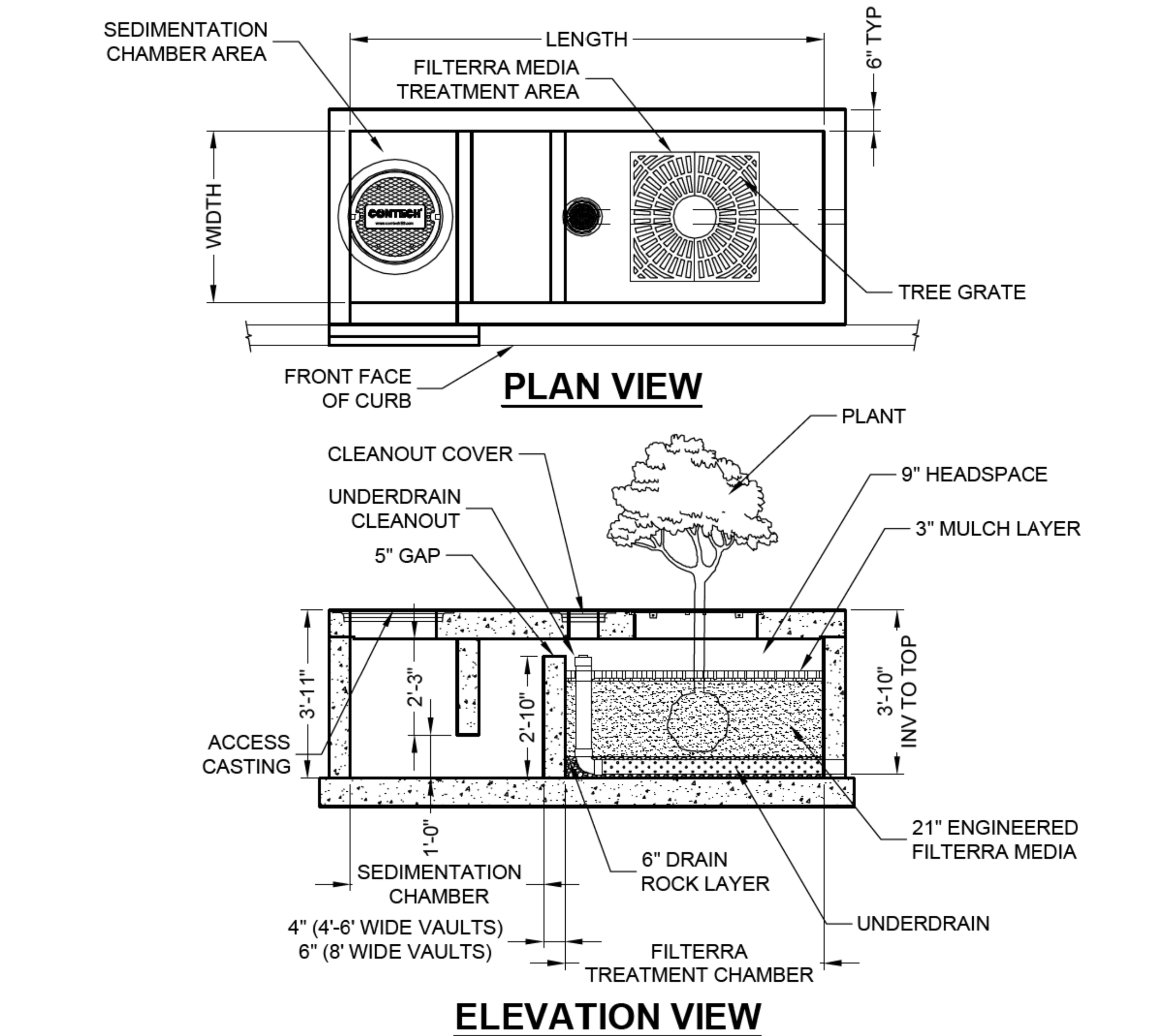
3-22: 8.6 L.F. - ST'D. MH-1 OR 2 REQ'D.
INV. = 329.28', ST'D. IS-1 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
CONSTRUCT MANHOLE TO ACCEPT EXIST. 76" x 48" RCP AND PROP. 15" RCP.
CONTRACTOR TO PROVIDE CONSTRUCTION DETAIL FOR CONNECTION.

NOTE:
SHADED ITEMS ARE TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

NOTES:
- ALL STRUCTURES 4.0' IN DEPTH OR GREATER REQUIRE VDOT ST'D. ST-1.
- ALL INLET STRUCTURES ARE TO USE A 'TYPE B' NOSE.
- ALL PIPES & STORM SEWER PIPES SHALL BE INSTALLED IN ACCORDANCE WITH ST'D. PB-1 FOR INSTALLATION ON SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL DUE TO POTENTIAL HIGH PLASTICITY SOILS PRESENT ONSITE. BEDDING MATERIAL DEPTH, b, SHALL BE 12" MIN. UNLESS OTHERWISE SPECIFIED BY GEOTECHNICAL ENGINEER AT TIME OF EXCAVATION.
- PIPES INDICATED AS STORM SEWER PIPE SHALL BE CLASS III RCP UNLESS COVER IS LESS THAN 2', IN WHICH CASE CLASS IV RCP SHALL BE USED.
- ALL PIPE JOINTS SHALL BE SILT TIGHT.

STRUCTURE 3-3A DETAIL

NOTE: UNIT TO BE OWNED AND MAINTAINED BY THE CITY OF FAIRFAX - SEDIMENTATION/DEBRIS CHAMBER REQUIRED. CONTECH FILTERRA WITH SEDIMENTATION CHAMBER OR EQUIVALENT ALTERNATE SHALL BE USED



UNIT DESIGNATION	INSIDE VAULT DIMENSIONS (L x W)	FILTERRA TREATMENT AREA
FTSC 4' x 4'	8' x 4'	4' x 4'
FTSC 6' x 4'	8' x 6'	6' x 4'
FTSC 6' x 6'	10' x 6'	6' x 6'
FTSC 8' x 6'	12' x 6'	8' x 6'
FTSC 10' x 8'	16' x 8'	10' x 8'
FTSC 12' x 8'	18' x 8'	12' x 8'

NOTES:
1. ALL INFORMATION IS BASED ON STANDARD 3.83' RIM TO OUTLET DEPTH. CONTACT CONTECH FOR CUSTOM SIZING IF DEPTH IS NOT 3.83'.
2. PLEASE CONTACT YOUR CONTECH REPRESENTATIVE FOR CUSTOM SIZES IF THE STANDARD UNITS DO NOT MEET SITE CONSTRAINTS.

filterra

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Drive, Suite 400, West Chester, OH 45011
800-338-1122 www.conteches.com

FILTERRA® WITH SEDIMENTATION CHAMBER

DATE: 11/08/17 | SCALE: NONE | PRODUCT No.: FTSC | DRAWN BY: ATM

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500, _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

STORM SEWER PROFILES

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

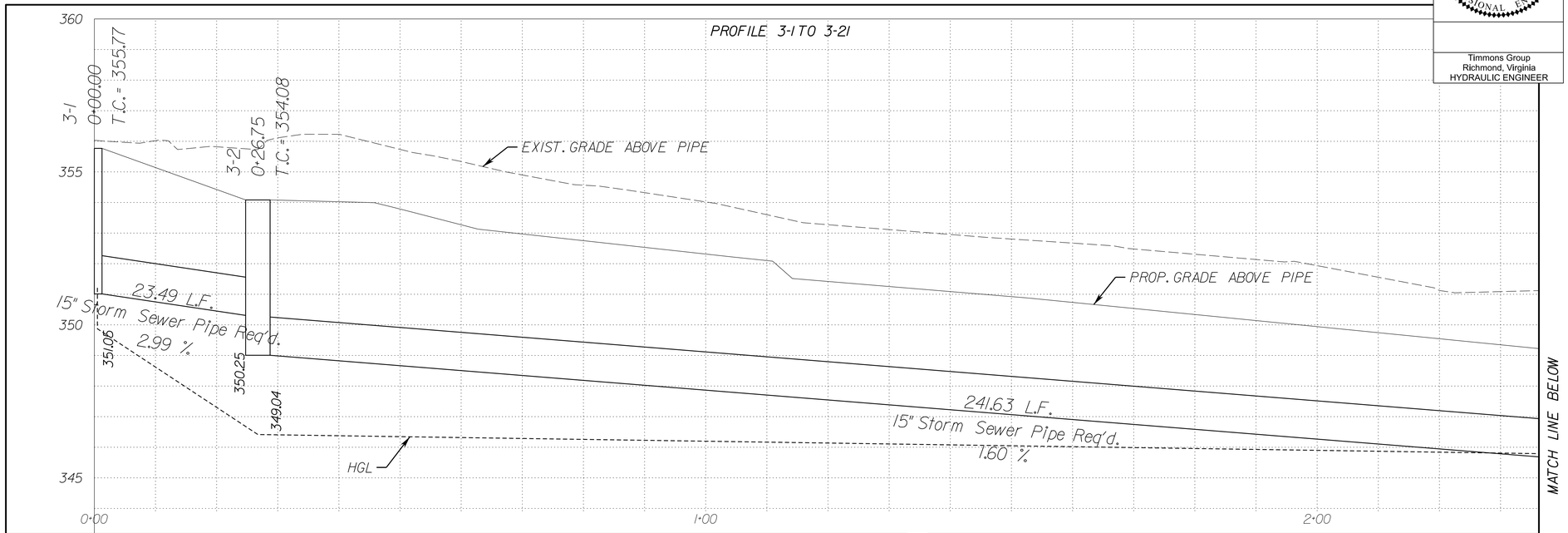
Timmons Group
Richmond, Virginia
HYDRAULIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	4A

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

SCALE
0 10' 20'

PROFILE 3-1 TO 3-21



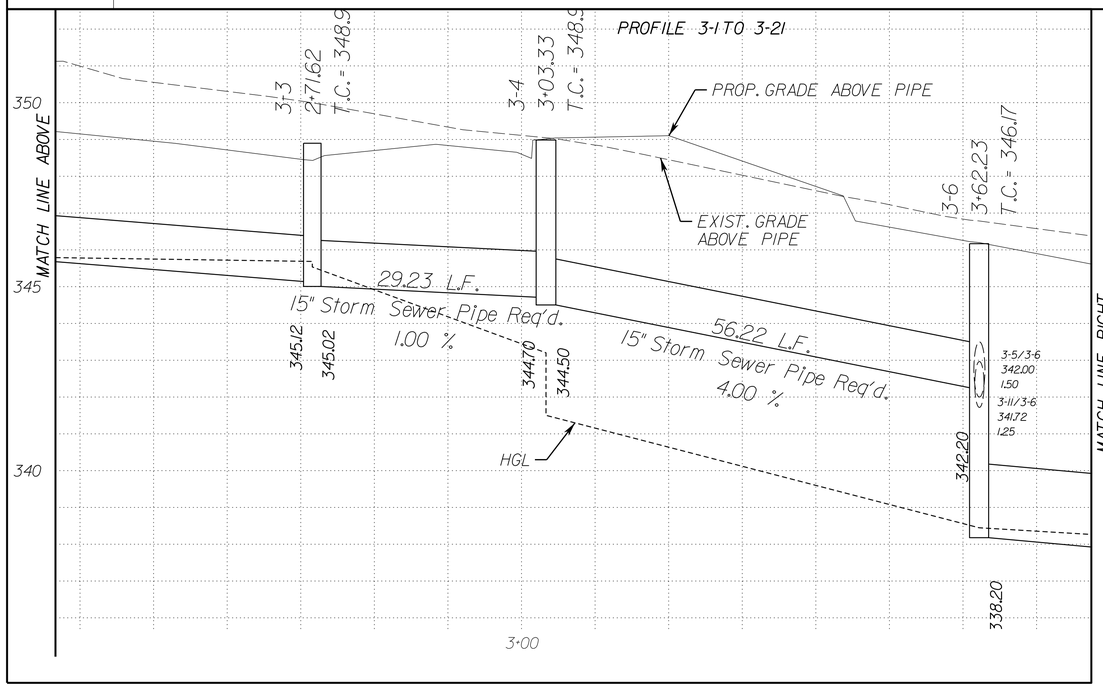
Notes:

1) SS Pipe denotes Storm Sewer Pipe. Refer to Sheet 4 for Pipe Material Types.

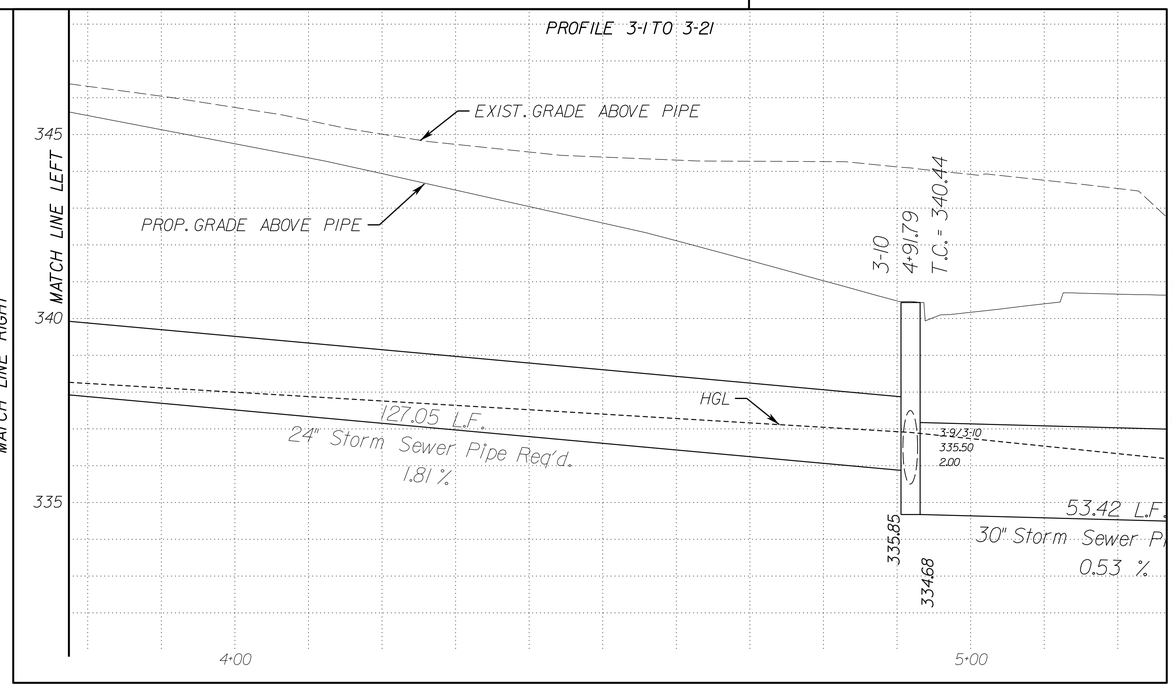
2) Storm Sewer Pipes shown on the profile are represented by their inner diameter dimension, and do not include wall thicknesses.

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

PROFILE 3-1 TO 3-21



PROFILE 3-1 TO 3-21



	PROJECT	SHEET NO.
	U000-151-198	4A

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX) (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
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SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

STORM SEWER PROFILES

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COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
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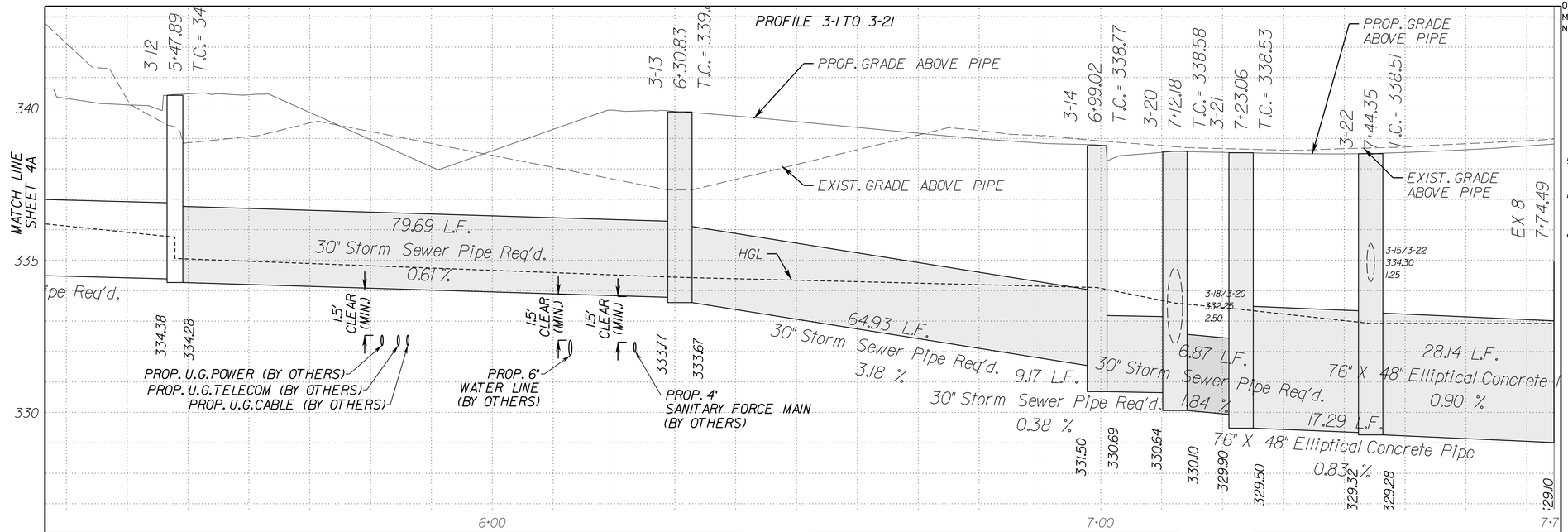
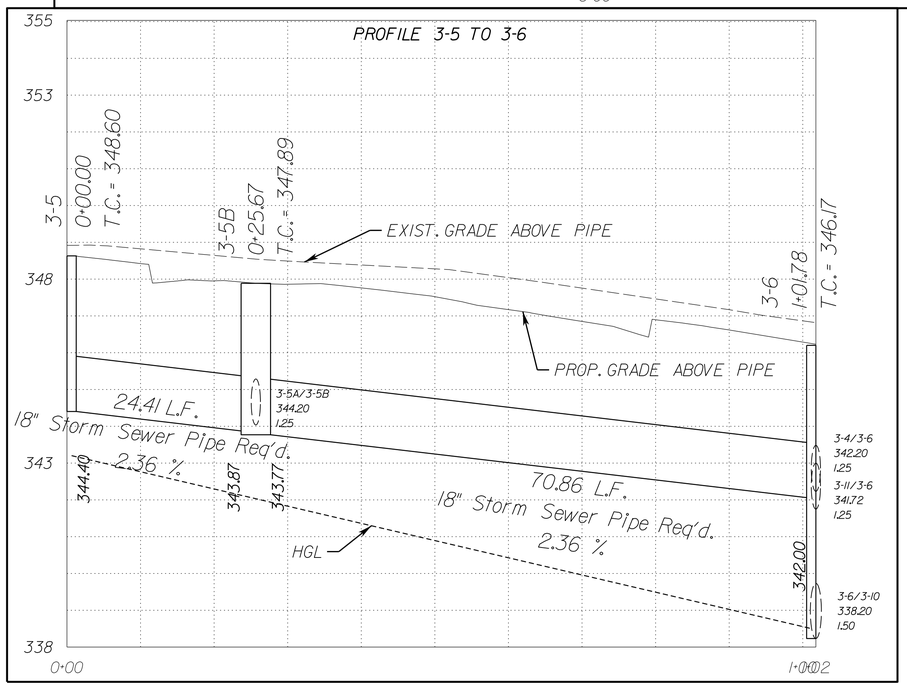
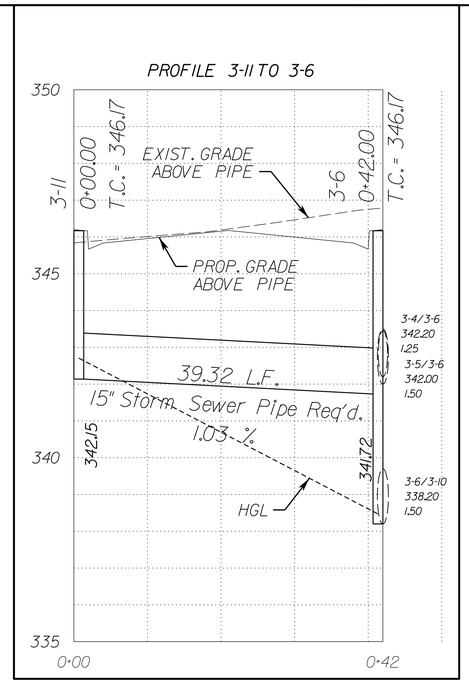
PROFESSIONAL ENGINEER

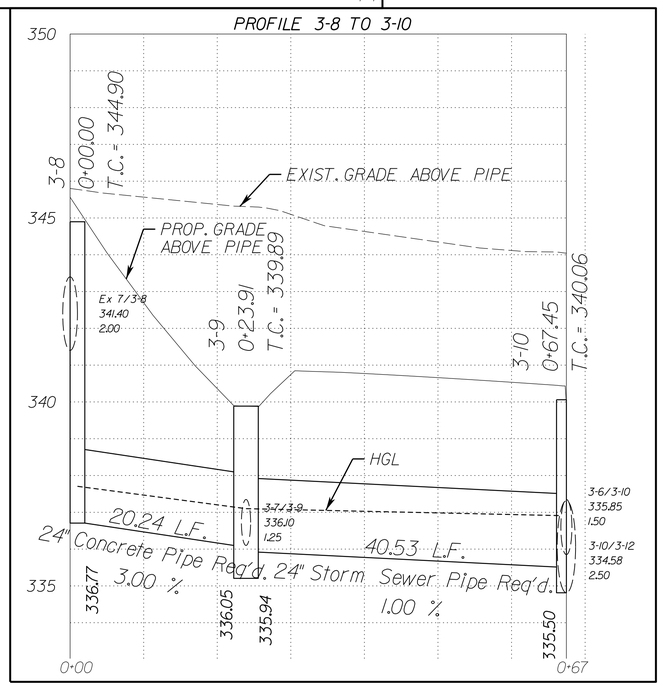
SCALE
0 10' 20'

Timmons Group
Richmond, Virginia
HYDRAULIC ENGINEER









NOTE: PROPOSED UTILITIES BY OTHERS AS SHOWN ARE APPROXIMATE IN LOCATION BASED ON SITE PLANS DATED 2/19/19 FROM JBA, INC. FINAL LOCATIONS MAY DIFFER AND SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO STORM SEWER EXCAVATIONS.

Notes:

1) SS Pipe denotes Storm Sewer Pipe. Refer to Sheet 4 for Pipe Material Types.

2) Storm Sewer Pipes shown on the profile are represented by their inner diameter dimension, and do not include wall thicknesses.

NOTE:
SHADED ITEMS ARE TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

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

PROJECT	SHEET NO.
U000-151-198	4B

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
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STORM SEWER PROFILES

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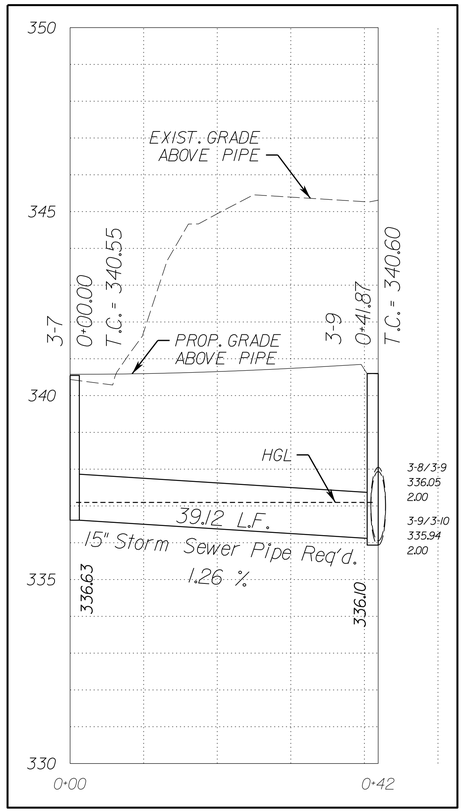
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	4C

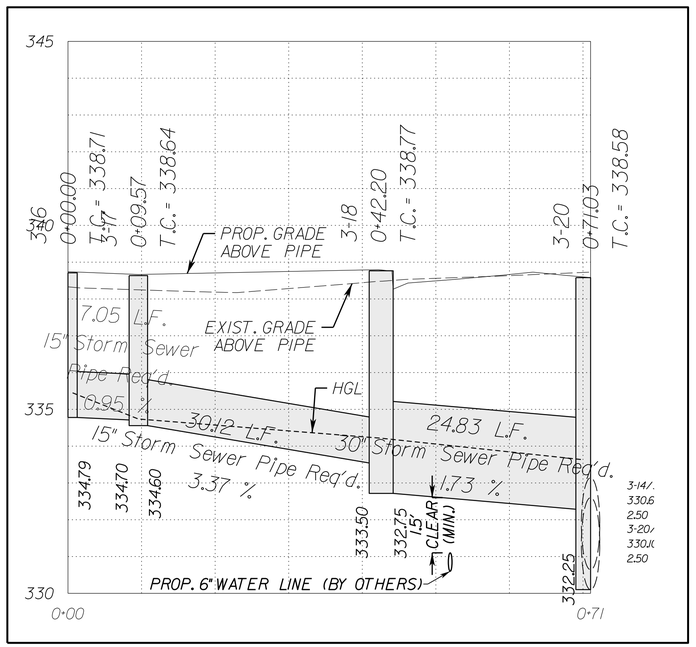
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SCALE
0 10' 20'

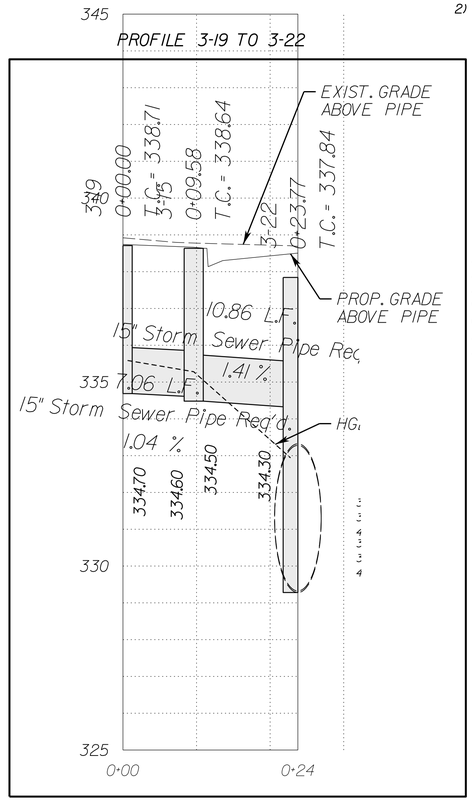
PROFILE 3-7 TO 3-9



PROFILE 3-16 TO 3-20



PROFILE 3-19 TO 3-22



Notes:

1) SS Pipe denotes Storm Sewer Pipe. Refer to Sheet 4 for Pipe Material Types.

2) Storm Sewer Pipes shown on the profile are represented by their inner diameter dimension, and do not include wall thicknesses.

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

NOTE:
SHADED ITEMS ARE TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

NOTE: PROPOSED UTILITIES BY OTHERS AS SHOWN ARE APPROXIMATE IN LOCATION BASED ON SITE PLANS DATED 2/19/19 FROM JBA, INC. FINAL LOCATIONS MAY DIFFER AND SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO STORM SEWER EXCAVATIONS.

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	5(11)

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

GENERAL NOTES

1. Unless otherwise approved by the Engineer, existing traffic signs which are to be relocated shall remain in place until the new sign structure is in place.
2. The removal or modification of existing sign panels, structures, or foundations shall conform to section 510 of the specifications.
3. New materials and items required to complete the removal or modification of existing items shall be submitted to the Engineer for review and approval in accordance with section 105 of the specifications.
4. All existing and proposed sign locations are approximate and shall be field verified by the contractor. All proposed sign locations shall be according to VDOT standards and shall be approved by the Engineer.
5. All striping, where matching to existing, shall be done in a manner approved by the Engineer.
6. Definition of Symbols:

   A / B

   "A" Indicates the type of structure or sign panel. (see "Definition of Types")

   "B" Indicates the action descriptions. (see "Action Descriptions")

   EXAMPLE :

   SP-1 / Q — Sign Panel 0-100 S.F. Relocate existing sign panel, Type ( )

   USP-1 / G — U - Type Steel Post EA. Remove and dispose of sign structure, Type ( )

7. Raised pavement markers shall be installed according to the standard details.
8. Existing pavement markings and/or markers that conflict with the proposed markings and/or markers shown herein shall be eradicated.
9. For lane and shoulder widths, see Roadway Plans and Typical Sections.
10. Proposed signs and pavement marking shall be according to VDOT standards.
11. Cost of Class A3 concrete foundation required for wood posts shall be included with the cost of the wood post.
12. Existing signs to be removed within project limits unless otherwise noted on plans.

*ACTION DESCRIPTIONS

G. REMOVE AND DISPOSE OF SIGN STRUCTURE, TYPE ( ),
will be measured in units of each and paid for at the contract unit price per each, which price shall be full compensation for removal and disposal of sign panels , posts and foundations to at least two feet below existing ground line, backfilling and restoration (topsoiling and seeding), and for all materials, labor, tools, equipment and incidentals necessary to complete the work.

H. REMOVE AND SALVAGE SIGN STRUCTURE, TYPE ( ),
will be measured in units of each and paid for at the contract unit price per each, which price shall be full compensation for removal and salvage of sign panels , posts and foundations to at least two feet below existing ground line, backfilling and restoration (topsoiling and seeding), and for all materials, labor, tools, equipment and incidentals necessary to complete the work.

Q. RELOCATE EXISTING SIGN PANEL, TYPE ( ),
will be measured in units of each and paid for at the contract unit price per each, which price shall be full compensation for removing existing panel, refurbishing framing members, furnishing and installing necessary back panels, erecting existing sign panel to new breakaway posts, and for all materials, labor, tools, equipment and incidentals necessary to complete the work.

S. REMOVE AND DISPOSE OF EXISTING SIGN PANEL, TYPE ( ),
will be measured in units of each and paid for at the contract unit price per each, which price shall be full compensation for removing and disposing of sign panels and for all materials, labor, tools, equipment and incidentals necessary to complete the work.

*The cost of all action descriptions listed above shall be included in lump sum contract price.

SIGNING LEGEND

EXISTING	PROPOSED	
○	●	GROUND MOUNTED SIGN STRUCTURES
	1/100	SIGN NO. / TEXT NO.
		SIGN PANEL

PAVEMENT MARKING LEGEND

A. TYPE B, CLASS I DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
B. TYPE B, CLASS I YELLOW PAVEMENT LINE MARKING, 4" WIDTH
C. TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 4" WIDTH
D. TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' DASHED, 30' SPACING)
E. TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 8" WIDTH (2' DASHED, 6' SPACING)
F. TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 24" WIDTH
G. PAVEMENT MARKING ARROW (THRU ARROWS NOT TO BE PAINTED)
H. ERADICATE EXIST. PAVEMENT MARKINGS
I. TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 24" WIDTH (20' SPACING)
J. WHITE YIELD LINES (24" BASE WIDTH/36" LENGTH SPACED 3" TO 12")
K. TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 24" WIDTH (2' SPACING)

DEFINITION OF TYPES

TYPE	DESCRIPTION	SIZE
DP-1	O/H Double Pole	50 - 75 L.F.
DP-2	O/H Double Pole	76 - 101 L.F.
DP-3	O/H Double Pole	102 - 127 L.F.
DP-4	O/H Double Pole	128 - 153 L.F.
DP-5	O/H Double Pole	154 - 179 L.F.
DP-6	O/H Double Pole	180 - 205 L.F.
DC-1	O/H Double Pole & Cantilever	75 - 100 L.F.
DC-2	O/H Double Pole & Cantilever	101 - 126 L.F.
DC-3	O/H Double Pole & Cantilever	127 - 152 L.F.
DC-4	O/H Double Pole & Cantilever	153 - 178 L.F.
DC-5	O/H Double Pole & Cantilever	179 - 204 L.F.
DC-6	O/H Double Pole & Cantilever	205 - 230 L.F.
CS-1	O/H Single Arm Cantilever	25 - 40 L.F.
CS-2	O/H Single Arm Cantilever	41 - 60 L.F.
CD-1	O/H Double Arm Cantilever	50 - 74 L.F.
CD-2	O/H Double Arm Cantilever	75 - 125 L.F.
CD-3	O/H Double Arm Cantilever	126 - 175 L.F.
CD-4	O/H Double Arm Cantilever	176 - 225 L.F.
BM	O/H Bridge Mount	EA.
I	Non-breakaway Single Metal Pole	EA.
II	Non-breakaway Two Metal Poles	EA.
III	Non-breakaway Three Metal Poles	EA.
V	Breakaway Single Round Metal Pole	EA.
VA	Breakaway Single Metal Pole	EA.
VIA	Breakaway Two Metal Poles	EA.
VIIA3	Breakaway Three Metal Poles	EA.
VIII1A	3½" Rolled Rail Steel Pole	EA.
WP-1	Single Wood Post	EA.
WP-2	Two Wood Posts	EA.
SP-1	Sign Panel	0 - 100 S.F.
SP-2	Sign Panel	101 - 200 S.F.
SP-3	Sign Panel	201 - 300 S.F.
SP-4	Sign Panel	301 - 400 S.F.
SP-5	Sign Panel	401 - 500 S.F.
SP-6	Sign Panel	501 - 600 S.F.
STP-1	Square Tube Sign Post	EA

	PROJECT	SHEET NO.
	U000-151-198	5(11)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	5(2)

SIGN SCHEDULE

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	SIGN ASSEMBLY COMPONENTS: MUTCD ST'D.	PANEL SIZE W	PANEL SIZE H	QTY.	SIGN PANEL AREA (s.f.): per ASSEMBLY	SIGN PANEL AREA (s.f.): ALL ASSEMBLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
1	204 205		W11-2 W16-9P	30" 24"	30" 12"	2 2	6.25 2	12.5 4	STP-1 2" - 14 GA. TY. A. FOUND.	
2	201		R1-1	36"	36"	1	9	9	STP-1 2" - 14 GA. TY. A. FOUND.	
3	104		R1-1	30"	30"	1	6.25	12.5	STP-1 2" - 14 GA. TY. A. FOUND.	
4	101 102 106 107 108		R1-2 R6-5P	36" 30"	36" 30"	3 3	9 6.25	27 18.75	STP-1 2.5" - 12 GA. TY. A. FOUND.	
5	109 110		W2-6	30"	30"	2	6.25	12.5	STP-1 2" - 14 GA. TY. A. FOUND.	
6	111 112 202 203		W11-2 W16-7P	30" 24"	30" 12"	4 4	6.25 2	25 8	STP-1 2" - 14 GA. TY. A. FOUND.	

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	SIGN ASSEMBLY COMPONENTS: MUTCD ST'D.	PANEL SIZE W	PANEL SIZE H	QTY.	SIGN PANEL AREA (s.f.): per ASSEMBLY	SIGN PANEL AREA (s.f.): ALL ASSEMBLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
7	113 114 115 116		OM4-3	18"	18"	4	2.25	9	STP-1 2" - 14 GA. TY. A. FOUND.	

NOTES:

1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.
4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
6) ALL ST'D. STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL DEVICE PLANS

SIGNING AND PAVEMENT MARKINGS
SIGN SCHEDULE

	PROJECT	SHEET NO.
	U000-151-198	5(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	5(3)

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

END CONSTRUCTION
STA. 12+86.00 ST01 ℄
STA. 16+32.60 ST02 ℄

POT 12+86.00
POT 16+32.60
R=28'
R=45'
N 25° 00' 13" W
ST01 CONSTR. ℄
ST01
S 10° 44' 15" W
ST03 CONSTR. ℄
N 64° 59' 29" E
ST02 CONSTR. ℄
R=30'
MATCHLINE SHEET 5(3B) - STA. 11+00.00
END CONSTRUCTION
STA. 13+30.95 ST03 ℄
BEGIN CONSTRUCTION
STA. 13+37.66 ST02 ℄
BEGIN PROJECT
U000-151-198, P101, R201, C501
BEGIN CONSTRUCTION
STA. 10+30.50 ST01 ℄
RTE. 29/50 CONSTR. ℄
U.S. RTE. 29/50, FAIRFAX BLVD.
STOP

NOTE:
CONTRACTOR TO MODIFY ANY SIGNS OR PAVEMENT MARKINGS BY OTHERS TO MATCH THIS PLAN.

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

PM & Signing Notes	5(1)
Sign Schedule	5(2)
Roadway Plan	3

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	5(3)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

COMMONWEALTH OF VIRGINIA
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Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	5(3B)

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

NOTE: ALL EXIST. SIGNS AND PAVEMENT MARKINGS ON EATON PLACE IN AREA OF SIDEWALK SHALL BE MAINTAINED. CONTRACTOR TO ADJUST AND/OR REPLACE AS REQ'D.

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

PM & Signing Notes	5(1)
Sign Schedule	5(2)
Roadway Plan	3B

SCALE 0 25' 50'

PROJECT	SHEET NO.
U000-151-198	5(3B)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

COMMONWEALTH OF VIRGINIA
ANDREW LANE SMITH
Lic. No. 053606
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Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	6(1)

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

STANDARD TRAFFIC SIGNAL LEGEND

PLAN ITEM		PLAN SYMBOL PROPOSED	PLAN SYMBOL EXISTING
Metal Signal Pole & Foundation and Mast Arm (As noted in Signal Pole Legend)			
Pedestal Pole and Foundation (Std. PF-2)			
Pedestal Pole and Foundation (Std. PA-3)			
Traffic Signal Head	w/ Backplate		
	w/o Backplate		
Pedestrian Signal Head			
Pedestrian Pushbutton & Sign		P.B.	P.B.
Traffic Signal Sign	Mast Arm or Span Wire Mt'd.		
	Pole Mounted		
Emergency Vehicle Pre-emption (EVP) Sensor			
	w/ Conf. Light		
	w/o Conf. Light		
Video Detection Camera			
Junction Box (Std. as noted on plans)		J	J
Signal Luminaire (250 W) and Arm			
Signal Luminaire (400 W) and Arm			
Loop Detector (Size as noted on plans)		6' x 20'	6' x 20'
Video Detection Zone (Size as noted on plans)		VDZ 6' x 20'	VDZ 6' x 20'
Conduit			

PLAN ITEM		PLAN SYMBOL PROPOSED	PLAN SYMBOL EXISTING
Electrical Service Meter		SM	SM
Electrical Service Safety Switch (Disconnect)		SD	SD
Controller Cabinet	Ground Mounted		
	Pole Mounted		
Master Controller Cabinet	Ground Mounted		
	Pole Mounted		
Controller Cabinet & Foundation	Std. CF-1	C / 1	C / 1
	Std. CF-3	C 3	C 3
	Std. CF-4	C 4	C 4
Master Controller Cabinet & Foundation	Std. CF-1	MC / 1	MC / 1
	Std. CF-3	MC 3	MC 3
	Std. CF-4	MC 4	MC 4
Uninterruptible Power Supply Cabinet		UPS	UPS

LABELS

Signal Pole or Controller	A	Proposed Signal Head	2	Signal Phasing	Ø2	Sign	S-1
Cable and Conduit	A	Existing Signal Head	2	Pedestrian Phasing	P2	Video Detection Camera	VDC-1
Junction Box	S3	Proposed Pedestrian Signal Head	P2			Emergency Preemption Detector	EVP-1
		Existing Pedestrian Signal Head	P2				

GENERAL NOTES - TRAFFIC SIGNALS

GENERAL SIGNAL

1. All traffic signal work shall be in conformance with the most current version of the following documents or revisions thereof:
   a. Manual on Uniform Traffic Control Devices (MUTCD)
   b. Virginia Supplement to the Manual on Uniform Traffic Control Devices
   c. VDOT Road and Bridge Standards
   d. VDOT Road and Bridge Specifications and Supplement.
   e. VDOT Work Area Protection Manual
   f. All special provisions supplemental specifications and special provision copied notes included in the Contract.
   g. City of Fairfax requirements related to signal construction. Coordination with City's Signal staff is required.

2. Five (5) working days prior to commencing traffic signal work at any location in the City of Fairfax, the Contractor shall notify the City in writing with the name, daytime phone numbers, and emergency phone numbers for the Contractor, giving the location of the work site including street names, route numbers, permit number, type, and details of construction and work schedule.

3. For installation of conduits, no open cut will be allowed in the roadway surface.

4. The Contractor shall perform test pits and exercise care in placement of signal pole foundations to preclude utility conflicts. If adjustments in pole locations are required, the Contractor shall notify the City Engineer prior to commencing work.

5. Utilities shown on the plans are not guaranteed to be complete or accurate. The Contractor shall be responsible for ensuring that all utilities within the project limits are identified and located before beginning work. The Contractor shall contact Miss Utility of Virginia at 1-800-522-7001 48 hours prior to any construction activities. Contractor shall coordinate with utility companies as to location of existing and approved plans of future utility lines. Any disruption of any utility service is the responsibility of the Contractor.

6. Contractor shall not impact existing utilities when installing any component of the proposed signal. Any disruption to utility service shall be at the expense of the Contractor

7. All unused wires in the signal heads shall be capped individually with crimp type caps

8. Site preparation and grading shall be incidental to signal installation

9. Trench excavation shall be in accordance with Standard EC1-1

10. The City of Fairfax will provide signal timings to be implemented for the signal.

11. Traffic signal heads shall be cast aluminum. Pedestrian signal head sections shall be cast aluminum. All signal heads and pedestrian heads shall be fabricated to be black in color. City approval of materials is required prior to purchasing materials.

12. All breakaway poles shall have breakaway fuses.

13. Dimensions used for locating equipment (such as signal head assemblies, signs, cameras, etc.) on mast arms are measured to the center of the symbols used to indicate the equipment

14. Prior to construction and before purchase of any equipment required for signals, the Contractor is to provide the City with shop drawings of all required equipment. Contractor will also provide a list of product data for these items to the City Engineer to ensure that these items meet all current City standards/specifications.

15. Pedestrian pole and foundations shall conform to Standard PF-2. Pedestal Pole (PF-2) shall be 12 ft. in height. Pedestal pole heads shall be mounted in accordance with Std SMB-3.

16. All Ped. Push buttons shall be mounted in accordance with Standard PA-2. Pedestrian Std PA-2 shall be oriented to face the crosswalk to which it applies and be visible to a pedestrian standing at the beginning of the crosswalk on each corner. All push buttons shall be ADA type and meet VDOT's requirements.

17. All Pedestrian signals shall be in accordance with Standard SP-8. Mast arm signal heads mountings shall be in accordance with Standard SM-3.

18. Signs mounted on mast arms shall be in accordance with Standard SMD-2

19. Maintenance and repair of the traffic signal, once modifications are started, is the sole responsibility of the Contractor until the traffic signal is accepted into the City's traffic signal system.

20. Included in the cost of all conduits shall be the cost of equipment grounding conductor (#6 AWG EGC)

21. The cost of maintenance of traffic on roadway while traffic signal is being installed shall be incidental to the project and not paid for as a separate item.

22. Contractor shall install all vehicle detection prior to the installation of final surface course. The Contractor shall install wireless vehicle detection devices and cables in accordance with City specification and project special provisions. Coordination with the City of Fairfax is required prior to ordering materials/equipment.

23. Pavement Markings shall be modified to reflect the markings shown on this plan when the signal is installed.

24. The contractor shall be responsible for maintaining detection on all approaches of the intersection at all times and throughout all phases of construction, at no additional cost to the project.

25. All signal heads, pedestrian signal heads, and PF-2 poles (and associated equipment) shall be fabricated to be black in color (not painted after fabrication). All signal poles shall be powder coated black in color in accordance with City specifications. Contact City of Fairfax for requirements prior to ordering of any materials.

26. The contractor shall have his/her qualified representative present to monitor traffic flow and adjust timings as necessary through a minimum of four consecutive morning and evening rush hour periods, or as directed by the City Engineer.

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

COMMONWEALTH OF VIRGINIA
ANDREW LANE SMITH
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Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	6(2)

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

SUMMARY OF QUANTITIES

	TCD Discipline		SIGNALS																																			
	Summary Notes																																						
	Item Description / ITEM NO. / UNIT / SHEET NO.		Remove Existing Overhead Mast Arm Sign	Relocate Existing Pedestrian Signal Head (SP-8)	Relocate Existing Pedestrian Push Button (PA-2)	Relocate Existing Mast Arm Signal	Relocate Existing Sign Panel	Adjust Existing Video Detection Zone	Modify Exist. Controller Cabinet	Conductor Cable Relocate / Reuse Existing Conductor Cable	Remove Existing Foundation	LED Backlit Street Name Sign																											
		UNIT	24502	24505	24505	24505	24505	24535	24825	51614	51934	52002																											
Int. No.	Intersection		EA	EA	EA	EA	EA	EA	EA	L.F.	EA	EA																											
1	Fairfax Blvd & University Dr	6(3)	2	2	2	2	2	2	1	30	1	2																											
	TOTAL		2	2	2	2	2	2	1	30	1	2																											

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL
SUMMARY OF QUANTITIES

CITY OF FAIRFAX

PROJECT	SHEET NO.
U000-151-198	6(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

Signal Pole & Controller Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

Ⓘ EXISTING CONTROLLER CABINET & FOUNDATION (CF-1)
Existing UPS Cabinet Attached

Ⓐ EXISTING DUAL MAST ARM POLE (MP-1)
50' Arm Perpendicular to Fairfax Blvd
Signal Placement: 23', 34', 45'
Sign Placement: 17'(N), 26', 46.6'
Emergency Preemption Detector: 30'
Video Detector: 29'
60' Arm Parallel to Fairfax Blvd
Signal Placement: 43.7'(R), 55'(R)
Sign Placement: 30'
Emergency Preemption Detector: 50.7'
Video Detector: 50'
Existing Wireless Broadband Antennas on Base Pole

Ⓑ EXISTING MAST ARM POLE (MP-1)
50' Arm Perpendicular to Fairfax Blvd
Signal Placement: 23.5', 34.5', 45.5'
Sign Placement: 17'(N), 26', 49.2'
Emergency Preemption Detector: 38.5'
Video Detector: 29'

Ⓒ EXISTING MAST ARM POLE (MP-1)
50' Arm Parallel to Fairfax Blvd
Signal Placement: 31.3', 41.5'
Sign Placement: 18'
Emergency Preemption Detector: 24'
Video Detector: 25'
Install Relocated Pedestrian Signal Heads, SP-8, on Signal Pole (SMB-3)
Install Relocated Pedestrian Push Buttons, PA-2, on Signal Pole

Ⓓ EXISTING PEDESTAL POLE (PF-2), 12'
Existing Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Existing Pedestrian Push Button, PA-2, on Pedestal Pole

Ⓔ EXISTING PEDESTAL POLE (PF-2), 12'
Existing Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Existing Pedestrian Push Button, PA-2, on Pedestal Pole

Ⓕ EXISTING SE-5 ELECTRIC SERVICE CONNECTION

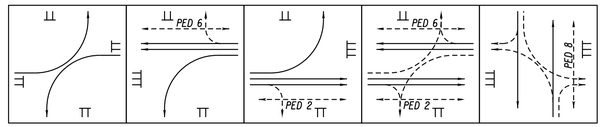
Ⓧ EXISTING PEDESTAL POLE & FOUNDATION TO BE REMOVED

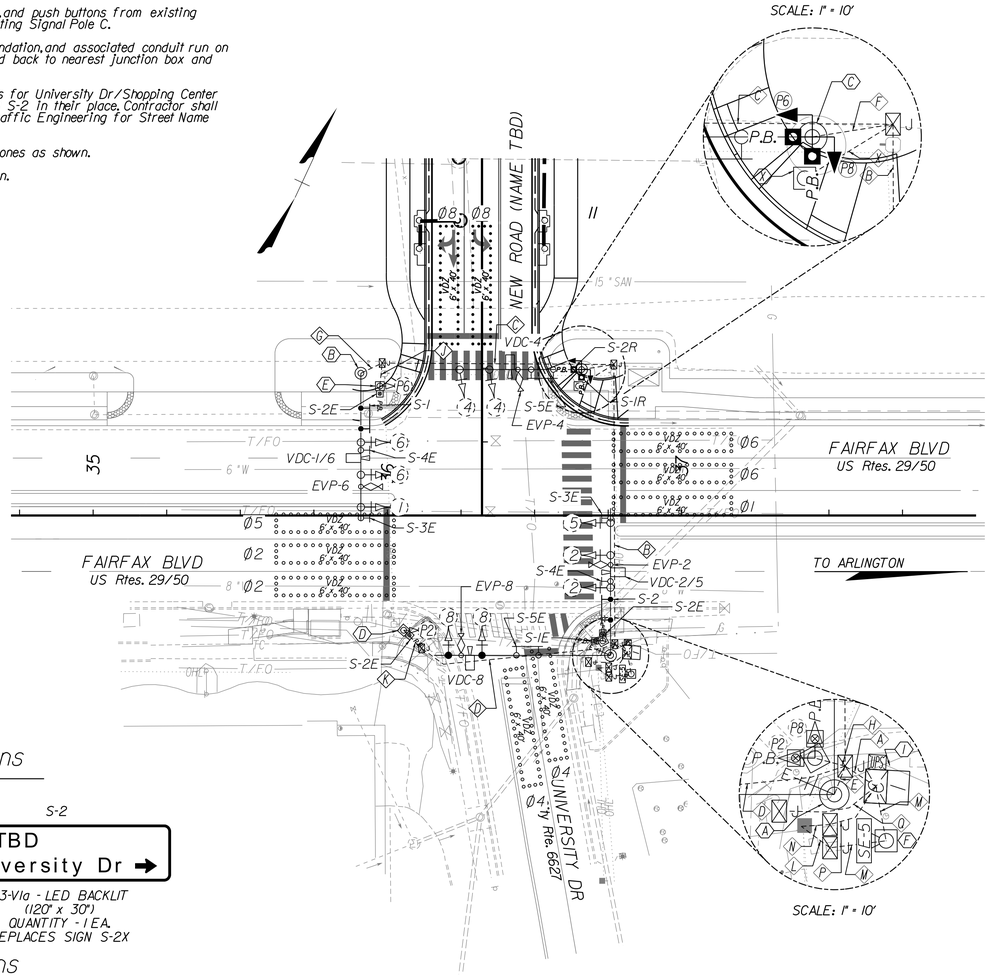
All equipment shown is existing unless otherwise noted
(R) - Denotes relocated equipment
(N) - Denotes new equipment

Scope of Modifications

- Relocate pedestrian signals, signs, and push buttons from existing pedestal pole on NE corner to existing Signal Pole C.
- Remove existing pedestal pole, foundation, and associated conduit run on NE corner. All wiring shall be pulled back to nearest junction box and rerouted to existing Signal Pole C.
- Remove existing street name signs for University Dr/Shopping Center and Install Proposed Signs S-1 and S-2 in their place. Contractor shall coordinate with City of Fairfax Traffic Engineering for Street Name for SB (Phase 8) approach.
- Adjust Phase 8 video detection zones as shown.
- Relocate Signal Heads 8 as shown.

Phasing Diagram

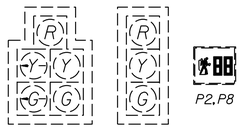




Relocated Signals

P6, P8

Existing Signals



1, 5 2, 4, 6, 8*

P2, P8

* - Existing Head to be relocated

Proposed Signs

S-1

D3-V1a - LED BACKLIT
(120" x 30")
QUANTITY - 1 EA.
REPLACES SIGN S-1X

S-2

D3-V1a - LED BACKLIT
(120" x 30")
QUANTITY - 1 EA.
REPLACES SIGN S-2X

Existing Signs

S-1E

R10-3E(L)
(9" x 15")

S-2E

R10-3E(R)
(9" x 15")

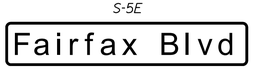
S-3E

R10-12
(30" x 36")

S-4E

R10-7
(24" x 30")

S-5E



Removed Signs

S-1X

S-2X

Relocated Signs

S-1R

R10-3E(L)
(9" x 15")

S-2R

R10-3E(R)
(9" x 15")

Color Sequence Chart

SIGNALS	SIGNAL	PHASES 1-5	1-6	2-5	2-6	4-8	FLASH
	1	R G	G				Y
	2			G	G		Y
	4					G	R
	5	R G	G	G			Y
	6	G			G		Y
	8					G	R
	P2	DW	DW	W	W	DW	BLANK
	P6	DW	W	DW	W	DW	BLANK
	P8	DW	DW	DW	DW	W	BLANK

- Empty box denotes RED indication (Red Ball or Red Arrow as appropriate)
- Walk indication shall only be displayed after pedestrian push button has been actuated.

CABLE AND CONDUIT LEGEND

Ⓐ 1 - 4" Conduit
6 - 14/2c (Push Buttons)
4 - EPDC
4 - CAT-5 (Video)
1 - EGC
1 - 4" Conduit
6 - 14/7c (Ped. Heads)
6 - 14/7c (Signal Heads)
1 - EGC
1 - 3" Conduit (Spare)
1 - EGC

Ⓑ 1 - 4" Bored Conduit
3 - 14/2c (Push Buttons)
3 - 14/7c (Ped. Heads)
3 - 14/7c (Signal Heads)
2 - CAT-5 (Video)
2 - EPDC
1 - EGC

Ⓒ 1 - 4" Bored Conduit
1 - 14/2c (Push Buttons)
1 - 14/7c (Ped. Heads)
2 - 14/7c (Signal Heads)
1 - CAT-5 (Video)
1 - EPDC
1 - EGC

Ⓓ 1 - 4" Bored Conduit
1 - 14/2c (Push Button)
1 - 14/7c (Ped Head)
1 - EGC

Ⓔ 1 - 3" Conduit
3 - 14/7c (Signal Heads)
2 - EPDC
2 - CAT-5 (Video)
1 - EGC

Ⓕ 1 - 3" Conduit
2 - 14/2c (Push Buttons) (R)
2 - 14/7c (Ped Signals) (R)
1 - 14/7c (Signal Heads)
1 - CAT-5 (Video)
1 - EPDC
1 - EGC

Ⓖ 1 - 3" Conduit
2 - 14/7c (Signal Heads)
1 - CAT-5 (Video)
1 - EPDC
1 - EGC

Ⓗ 1 - 3" Conduit
2 - 14/2c (Push Buttons)
2 - 14/7c (Ped. Heads)
1 - EGC

Ⓙ 1 - 3" Conduit
1 - 14/2c (Push Buttons)
1 - 14/7c (Ped. Heads)
1 - EGC

Ⓚ 1 - 3" Conduit
1 - 14/2c (Push Buttons)
1 - 14/7c (Ped. Heads)
1 - EGC

Ⓛ 1 - 2" Conduit
3 - EGC for Elec. Service

Ⓜ 1 - 1-1/4" Metal Conduit
3 - EGC for Elec. Service

Ⓝ 1 - 2" Conduit
1 - IJ00 LB Pull-Line to CC-2 Panel
2 - Interconnect Cable
1 - EGC

Ⓟ 1 - 2" Metal Conduit
1 - IJ00 LB Pull-Line to CC-2 Panel
2 - Interconnect Cable
1 - EGC

Ⓠ 1 - 1" Conduit
1 - EGC (Elec. Grounding)

Ⓧ Remove Existing Conduit
Pull Existing Wiring to Nearest Junction Box

All Equipment Existing Unless Otherwise Noted
(N) Denotes New Cable/Conduit
(R) Denotes Relocated Cable
EPDC Denotes "Emergency Preemption Detector Cable"
EGC Denotes "Equipment Grounding Conductor" (#6 AWG)

SCALE
0 25' 50'

SPEED LIMITS

Fairfax Blvd.	35 MPH
University Dr.	25 MPH
New Road (Name TBD)	25 MPH

COMMONWEALTH OF VIRGINIA
ANDREW LANE SMITH
Lic. No. 053606
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	6(3)

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

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL MODIFICATION PLAN

US RTES. 29/50 (FAIRFAX BLVD) &
CITY RTE. 6627 (UNIVERSITY DR)
CITY OF FAIRFAX

PROJECT	SHEET NO.
U000-151-198	6(3)

1/28/2021
8:37:30 AM

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Plotted By: Kaitlyn Jenkins
FOR POWER UTILITY RELOCATION ONLY

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	7(1)

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

END CONSTRUCTION STA. 55+04.33 EATO
END PROJECT U000-151-198, P101, R201, C501 BEGIN CONSTRUCTION STA. 10+22.09 ST03 ℄
END CONSTRUCTION STA. 12+86.00 ST01 ℄ STA. 16+32.60 ST02 ℄
BEGIN CONSTRUCTION STA. 13+30.95 ST03 ℄
END CONSTRUCTION STA. 13+37.66 ST02 ℄

EX. POLE C0417 QE09
POLE C0417 QF29
MANHOLE C0417 QE18
POLE C0417 QE05
POLE C0417 QE07
POLE C0417 PE56
POLE C0417 PE54

002
ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES

002
ERWIN FOUR ACRES, LLC (50% INTEREST) AND WALTER W. ERWIN (50% INTEREST)
D.B. 24273, PG. 7
D.B. 14592 PG. 1840
PIN 57 2 02 027
3.966 ACRES

003
FAIRFAX, LTD. II, LLC
D.B. 22589, PG. 1226
D.B. 3260 PG. 382 (PLAT)
PARCEL IB
SUBDIVISION OF THE PROPERTY OF FAIRFAX MOTEL CORPORTATION & SAMUEL W. EATON
PIN 57 2 02 002
2.090 ACRES

MCKAY CHEVROLET, INC.
D.B. 3124, PG. 321
PIN 57 2 02 024
2.701 ACRES

PDC EATON PLACE LLC
D.B. 24243, PG. 1610
D.B. 2570 PG. 585 (PLAT)
PIN 57 4 02 002 C
3.531 ACRES

PROP. PERM. DOMINION EASEMENT
PROP. TEMP. CONSTR. EASEMENT
PROP. PERM. PATH MAIN. EASEMENT
PROP. PERM. PATH MAIN. AND DRAINAGE EASEMENT
PROP. PERM. SIGHT DISTANCE EASEMENT
PROP. PERM. SIDEWALK EASEMENT
PROP. POWER DUCT BANK DOM-01
PROP. POWER DUCT BANK DOM-02
16'x8' ELECTRICAL VAULT
E Duct
PROP. R/W
EXIST. R/W

LEGEND
X X X EXIST. UTILITY TO BE REMOVED BY OTHERS

NOTES:
- THIS PLAN IS FOR THE POWER UTILITY DUCT BANK TO BE USED BY DOMINION ENERGY. ALL DETAILS FOR POWER FACILITIES TO BE INSTALLED WITHIN THE PROPOSED DUCT BANK ARE PROVIDED ON SEPARATE PLAN BY OTHERS. THE CONTRACTOR SHALL BE FAMILIAR WITH BOTH PLANS TO ENSURE NO CONFLICTS DURING OR AFTER CONSTRUCTION OF THE DUCT BANK.
- ALL PROPOSED UTILITY POLES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY - REFER TO DOMINION RELOCATION PLAN FOR POLE INFORMATION - POLES TO BE INSTALLED BY DOMINION.
- ALL DUCT BANK MATERIALS AND CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE DOMINION ENERGY CONDUIT SPECIFICATIONS AND DOMINION ENERGY CONSTRUCTION MANUAL. THE CONTRACTOR SHALL BE FAMILIAR WITH THESE SPECIFICATIONS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY POTENTIAL CONFLICTS BETWEEN THE PLANS AND/OR SPECIFICATIONS.

REFER TO DOMINION PLAN FOR POLE & FURTHER AERIAL RELOCATION INFORMATION.

NOTES (CONT'D):
- DUCT BANK LOCATION SHALL BE ADJUSTED BASED ON FIELD CONDITIONS AS NECESSARY, WITHIN THE REQUIREMENTS OF THE DOMINION CONDUIT SPECIFICATIONS AND WITH PRIOR APPROVAL BY THE ENGINEER.
- FOR PURPOSES OF THIS DUCT BANK CONSTRUCTION PROJECT, THE CONTRACTOR SHALL BE CONSIDERED THE "CUSTOMER" AS REFERRED TO IN THE DOMINION CONDUIT SPECIFICATIONS.
- DUCT BANK SIZING SHALL BE IN ACCORDANCE WITH THE DOMINION STANDARD CONDUIT LINE FORMATION - 8" DUCT - 4 DUCTS STANDARD. CONCRETE ENCASEMENT SHALL BE PROVIDED.
- ONE (1) MANHOLE IS REQUIRED FOR THIS PROJECT THIS 16' X 8' MANHOLE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SECTION IV OF THE DOMINION CONDUIT SPECIFICATIONS.
- SPECIAL ATTENTION IS DRAWN TO THE DOMINION CONDUIT SPECIFICATIONS SECTION V REGARDING INSPECTION OF THE DUCT BANK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE NECESSARY INSPECTIONS WITH DOMINION REPRESENTATIVES.
- A PRE-CONSTRUCTION MEETING WILL BE HELD WITH THE CONTRACTOR, ENGINEER, AND DOMINION REPRESENTATIVES IN ACCORDANCE WITH THE DOMINION CONDUIT SPECIFICATIONS.
- DUCT BANK CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE VDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN VDOT AND DOMINION SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.
- DUCT BANK TO MAINTAIN A MINIMUM 5' HORIZONTAL CLEARANCE FROM ANY EXIST. OR PROP. POLE LOCATION OTHER THAN THE ONE IT ORIGINATES OR TERMINATES WITH.
- CONTRACTOR SHALL FURNISH & INSTALL ALL MATERIALS AS REQUIRED PER THIS PLAN AND DOMINION SPECIFICATIONS.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profiles	3A
Drainage Descriptions	4
Pavement Marking & Signing	5(3)
Erosion & Sediment Control Plans	2C(2)
Traffic Signal Plan	6(3)

SEE SHEET IH FOR UTILITY OWNER DATA

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	7(1)

POWER UTILITY DUCT BANK PLAN

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

1/22/2021
1:24:17 PM

ul0930907102.dgn
Plotted By: KaitlynJenkins

FOR POWER UTILITY RELOCATION ONLY

PROJECT MANAGER_ WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE_ TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017

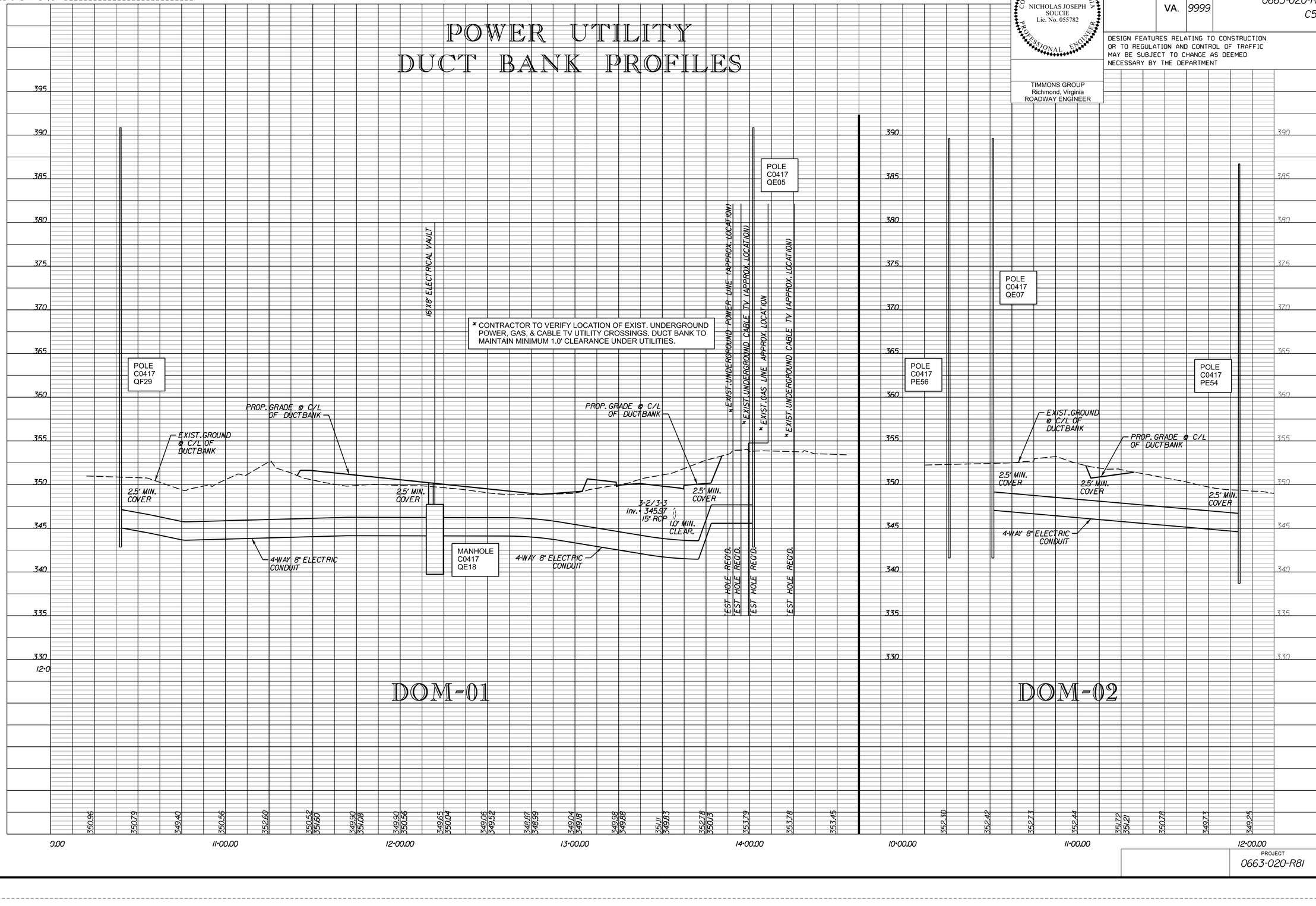
COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

TIMMONS GROUP
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	0663-020-R81 C501	7(2)

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

POWER UTILITY DUCT BANK PROFILES



PROJECT	SHEET NO.
0663-020-R81	7(2)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

LIGHTING PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	8(1)

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

END CONSTRUCTION
STA. 12+86.00 ST01 ℄
STA. 16+32.60 ST02 ℄

BEGIN PROJECT
U000-151-198, P101, R201, C501

BEGIN CONSTRUCTION
STA. 10+30.50 ST01 ℄

END CONSTRUCTION
STA. 13+30.95 ST03 ℄

BEGIN CONSTRUCTION
STA. 13+37.66 ST02 ℄

MATCHLINE SHEET 8(1B) - STA. 11+00.00

NOTE: LIGHT POLES TO BE PLACED IMMEDIATELY ADJACENT TO PROPOSED PATH WHERE SHOWN. NOTIFY THE ENGINEER AND/OR INSPECTOR IMMEDIATELY OF ANY POTENTIAL INSTALLATION CONFLICTS.

ELECTRICAL SERVICE CONNECTION SHALL BE MADE TO CLOSEST POLE (TO BE SET BY DOMINION)

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	8(1)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 03/2018

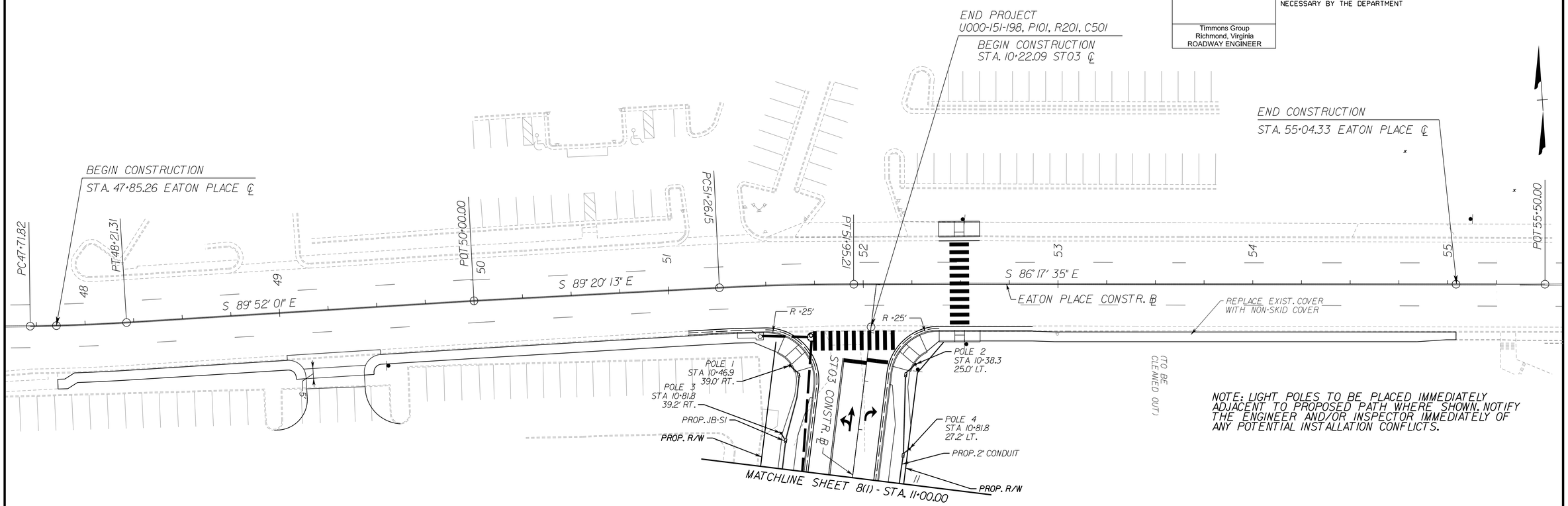
LIGHTING PLAN

COMMONWEALTH OF VIRGINIA
NICHOLAS JOSEPH SOUCIE
Lic. No. 055782
PROFESSIONAL ENGINEER

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

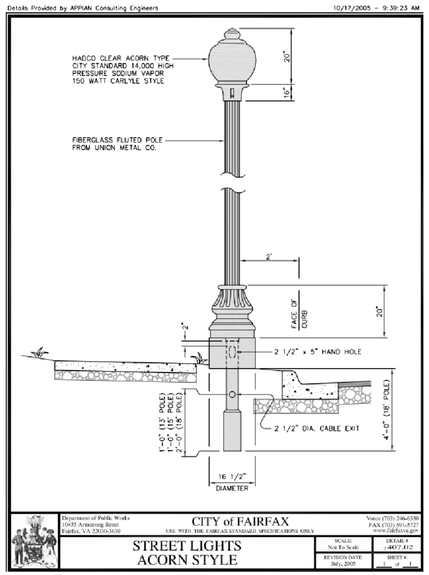
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	8(1B)

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



NOTE: LIGHT POLES TO BE PLACED IMMEDIATELY ADJACENT TO PROPOSED PATH WHERE SHOWN. NOTIFY THE ENGINEER AND/OR INSPECTOR IMMEDIATELY OF ANY POTENTIAL INSTALLATION CONFLICTS.

Details Provided by APPIAN Consulting Engineers 10/17/2005 – 9:39:23 AM



Department of Public Works
10455 Armstrong Street
Fairfax, VA 22030-3630

CITY of FAIRFAX
USE WITH THE FAIRFAX STANDARD SPECIFICATIONS ONLY

Voice (703) 246-5330
FAX (703) 591-9727
www.fairfaxva.gov

STREET LIGHTS
ACORN STYLE

SCALE: Not To Scale
DETAIL #: 4407.402
REVISION DATE: July, 2005
SHEET # 1 of 1

CITY OF FAIRFAX GENERAL LIGHTING NOTES

1. The Contractor shall provide 3 sets of as-built drawings to the City of Fairfax within 30 days of completion of the project. The drawing may be copies of the original Traffic Lighting Plan with actual locations sketched in.
2. Materials and operations shall comply with the latest revision of all applicable Codes and Standards.
3. Materials and operations shall comply with the latest revision of the Codes and Standards ASTM A27, ASTM A36, ASTM A123, and ASTM A595.
4. The Contractor shall observe NEC and NESC requirements for handling and storage of all electrical wiring, fixtures, etc.
5. The Contractor shall keep the work area surface in a safe a satisfactory condition during the progress of the work.
6. When traffic signals, loops, or their appurtenances are likely to be damaged or interfere as a result of the construction, coordinate temporary operation with the applicable agency having jurisdiction of the signals. Provide a minimum of 48 hours notice prior to anticipated disturbance or interruption.
7. If necessary, coordinate emergency traffic control with the City of Fairfax Police Department and VDOT.
8. When cuts are made through any paved surface and the cuts extend through the pavement markings, the replaced pavement shall be marked to match the existing.
9. The Contractor shall notify MISS UTILITY at 1-800- 552-7001, 48 hours prior to the start of any excavations or construction work. Call the City of Fairfax Public Utilities Department at 703-385-7991 for water/sewer service interruption. After hours, call, 703-385-7924.
10. Protect undisturbed lawns, shrubs, and trees and promptly repair damages caused by operation.
11. The Contractor shall at all times so conduct his work as to insure the least possible inconvenience to the general public and the residents in the vicinity of the work. Fire hydrants on or adjacent to the work shall be kept accessible to fire fighting equipment at all times. Temporary provisions shall be made by the Contractor to insure the proper functioning of all gutters, sewer inlets, drainage ditches, and irrigation ditches, which shall not be obstructed except as approved by the Public Works Director.
12. When working within any City or VDOT System road or highway, conform to the Manual on Uniform Traffic Control Devices, latest revision (MUTCD) as well as the VDOT Road and Bridge Specifications.
13. Traffic Maintenance shall comply with the latest revision of the VDOT Standard Specifications for Roads and Structures, Section 701, Traffic Signs and Section 512, Maintaining Traffic, as well as other applicable sections.
14. The Contractor shall guarantee his work against defects due to poor workmanship or poor construction for a period of 12 months after completion and acceptance of his work.
15. Conduit and fittings shall be of the size as shown on the plans. Pole and pole hardware shall fit what is shown in the City of Fairfax Street Lighting Acorn Style detail.
16. Conduit shall be Schedule 40 PVC except that under driveways, concrete structures, or roadways, galvanized steel conduit shall be used.
17. All junction boxes shall be as specified in plans.
18. A ground rod shall be installed next to each pole and at electrical service point.
19. Grounding rods shall be 5/8-inch x 8-foot copper clad steel unless otherwise specified.
20. The lengths of conduit shown on the plans are approximate lengths. The Contractor shall determine the exact lengths of conduit in the field.
21. The conduit shall be installed in reasonably close conformity with the lines shown on the plans. Conduit runs may be changed to avoid obstructions with the approval of the Public Works Director.
22. It shall be the Contractors responsibility to locate all storm drains, water lines, sanitary sewers, and existing traffic signal equipment and to take all precautions to protect these facilities. The Contractor, at his expense, shall repair any damage caused by the Contractor's operation.
23. The ends of all conduits, whether shop or field cut, shall be reamed to removed burrs and rough edges. Cuts shall be made square and true so that the ends will butt or come together for the full circumference thereof.
24. Conduit shall enter the side(s) of the structure at the depth of the conduit run and shall extend a minimum of 2" and a maximum of 4" into the structure.
25. All junction boxes shall be set on a 12" minimum depth bedding of washed gravel (VDOT #57 stone or approved equal).
26. The top of all junction boxes shall be installed flush with the surrounding grade or pavement unless otherwise specified by the Public Works Director.
27. The conduit entrance holes shall be patched such that debris and water cannot enter the structure.
28. The grounding rod shall be driven into undisturbed earth. The ground wire shall be attached to the ground rod with a ground clamp.
29. The ground wire shall be continuous and unspliced from the ground rod to the lighting pole if applicable.
30. Ground wire shall be #8 AWG solid bare copper wire.
31. The Contractor shall restore all areas disturbed by his operation to conditions equal to or better than existing conditions.
32. Disposal: remove surplus materials, unsuitable soil, trash, and debris and legally dispose of off-site.

SCALE	PROJECT	SHEET NO.
0 25' 50'	U000-151-198	8(1B)

PROJECT MANAGER WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTION INDEX OF SHEETS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198 P101	1

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

	PROJECT	SHEET NO.
	U000-151-198	1

1/22/2021
9:24:41 PM

PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____TIMMONS GROUP (804) 200-6500_____
SUBSURFACE UTILITY BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017

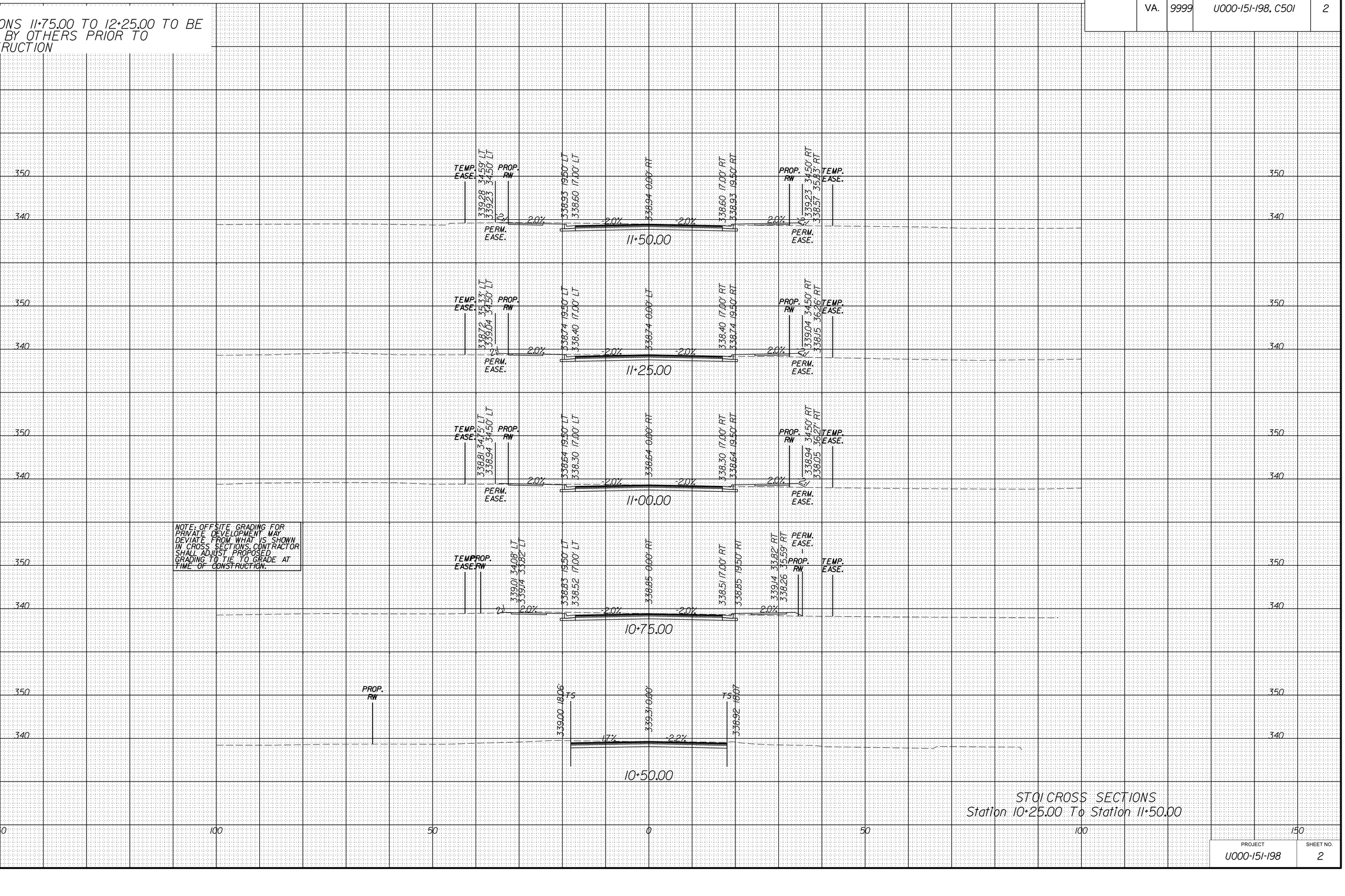
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	2

NOTE:
SECTIONS 11+75.00 TO 12+25.00 TO BE BUILT BY OTHERS PRIOR TO CONSTRUCTION



STOI CROSS SECTIONS
Station 10+25.00 To Station 11+50.00

PROJECT	SHEET NO.
U000-151-198	2

1/22/2021
12:46 PM

PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____TIMMONS GROUP (804) 200-6500_____
SUBSURFACE UTILITY BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017

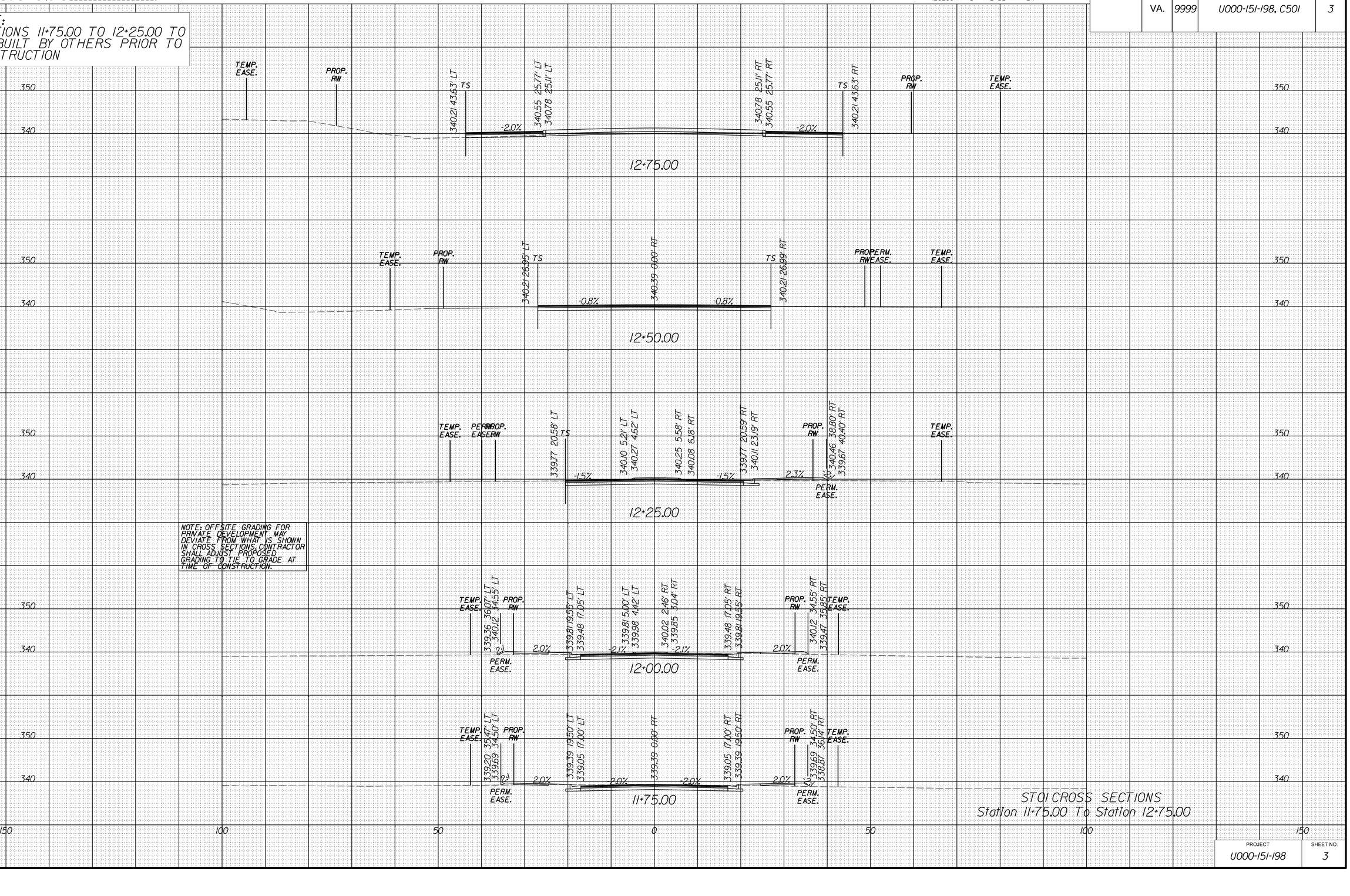
CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	3

NOTE:
SECTIONS 11+75.00 TO 12+25.00 TO BE BUILT BY OTHERS PRIOR TO CONSTRUCTION



NOTE: OFFSITE GRADING FOR PRIVATE DEVELOPMENT MAY DEVIATE FROM WHAT IS SHOWN IN CROSS SECTIONS. CONTRACTOR SHALL ADJUST PROPOSED GRADING TO TIE TO GRADE AT TIME OF CONSTRUCTION.

ST01 CROSS SECTIONS
Station 11+75.00 To Station 12+75.00

PROJECT	SHEET NO.
U000-151-198	3

1/22/2021
12:45:1 PM

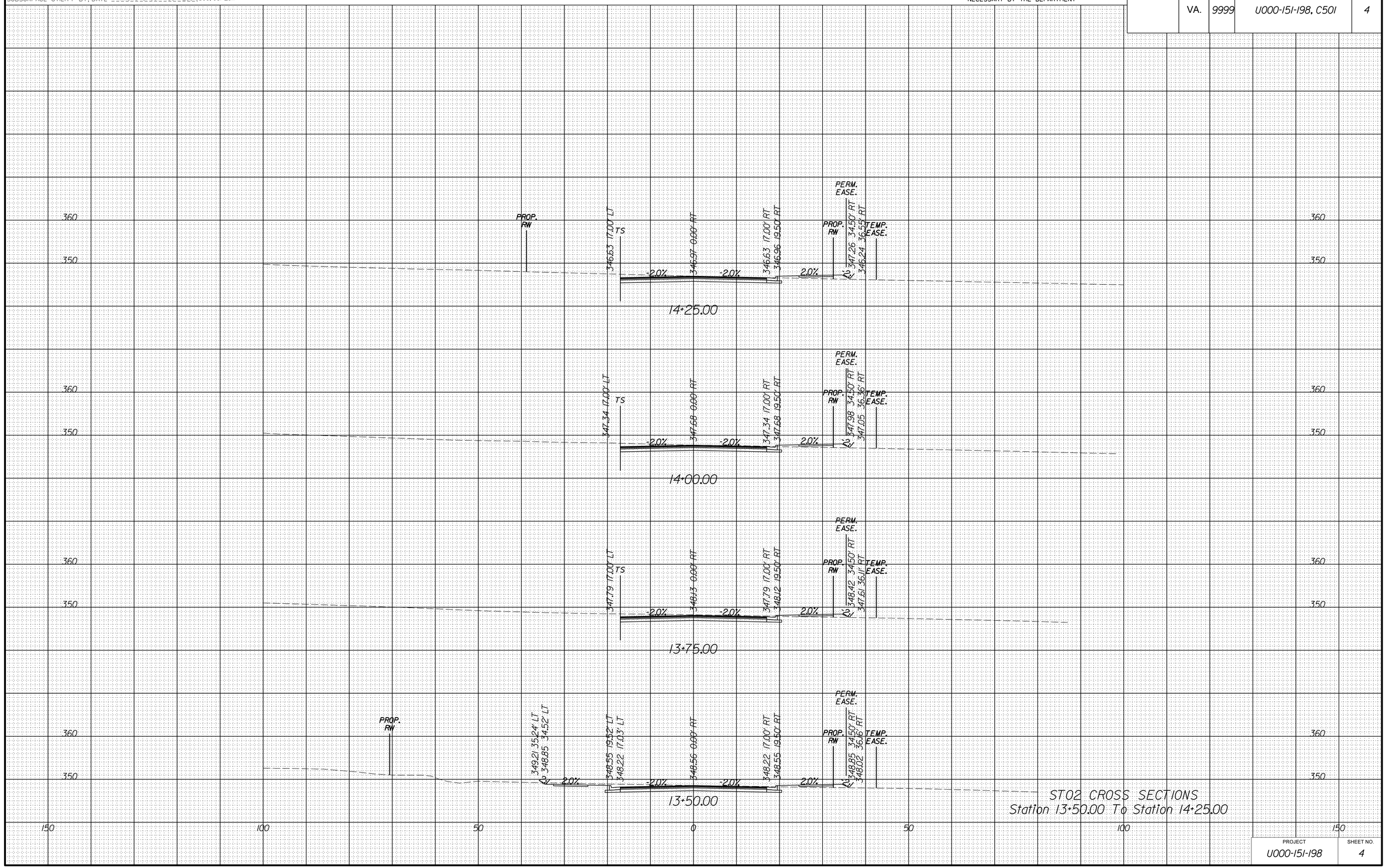
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	4



ST02 CROSS SECTIONS
Station 13+50.00 To Station 14+25.00

PROJECT	SHEET NO.
U000-151-198	4

1/22/2021
tg2456_PM

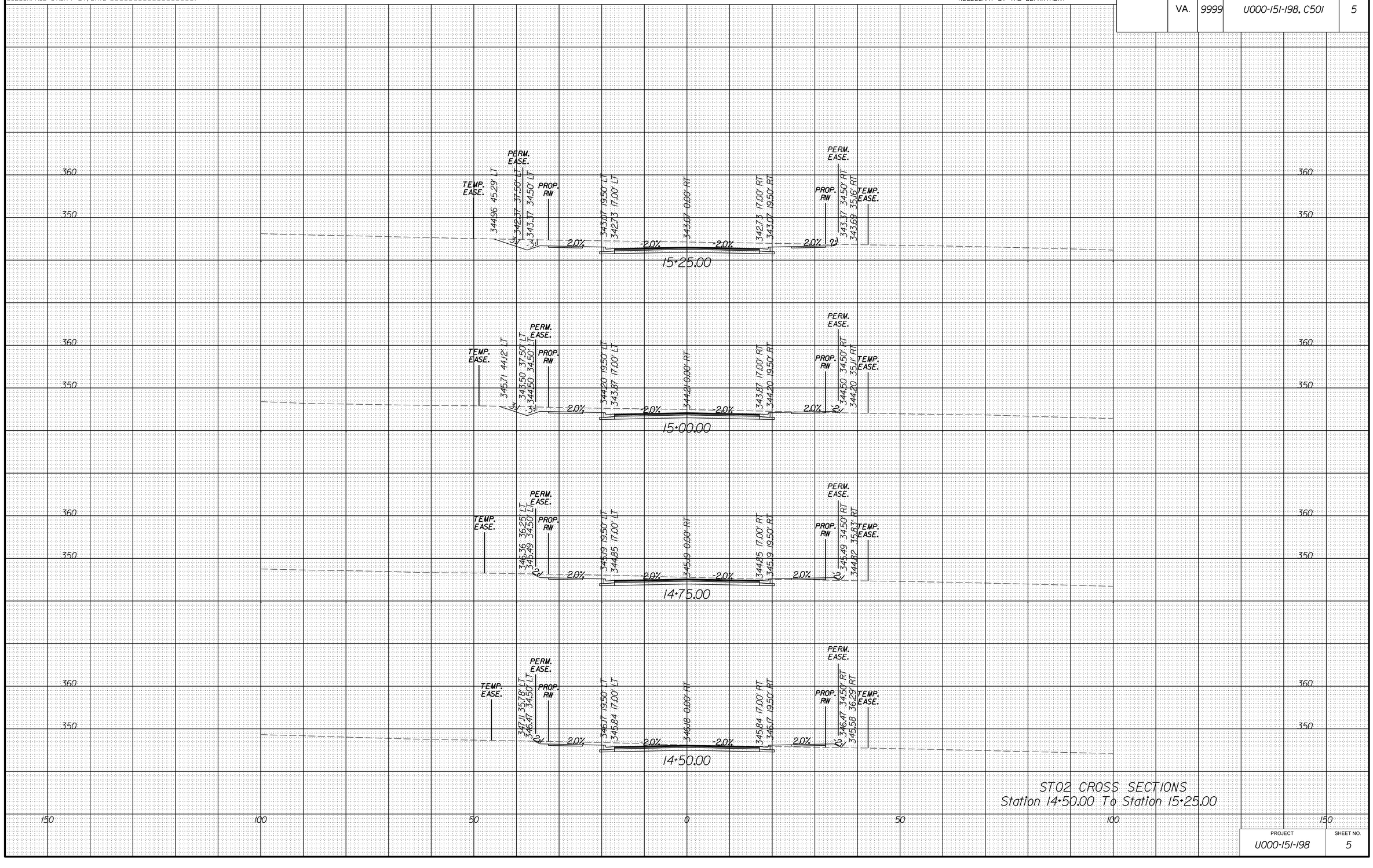
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	5



ST02 CROSS SECTIONS
Station 14+50.00 To Station 15+25.00

PROJECT	SHEET NO.
U000-151-198	5

1/22/2021
lg2500_PM

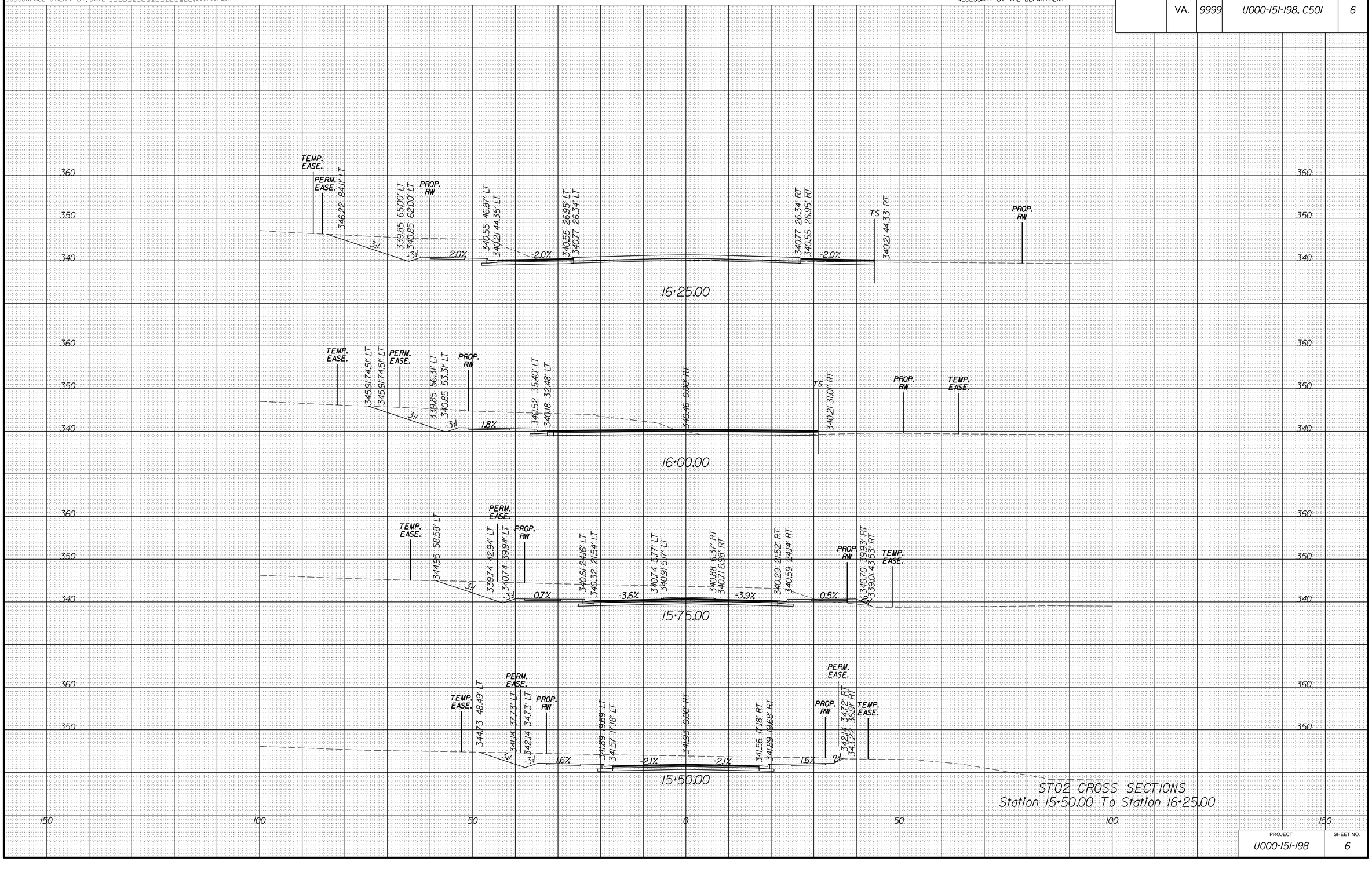
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____TIMMONS GROUP (804) 200-6500_____
SUBSURFACE UTILITY BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	6



ST02 CROSS SECTIONS
Station 15+50.00 To Station 16+25.00

PROJECT	SHEET NO.
U000-151-198	6

1/22/2021

ip2506_PM

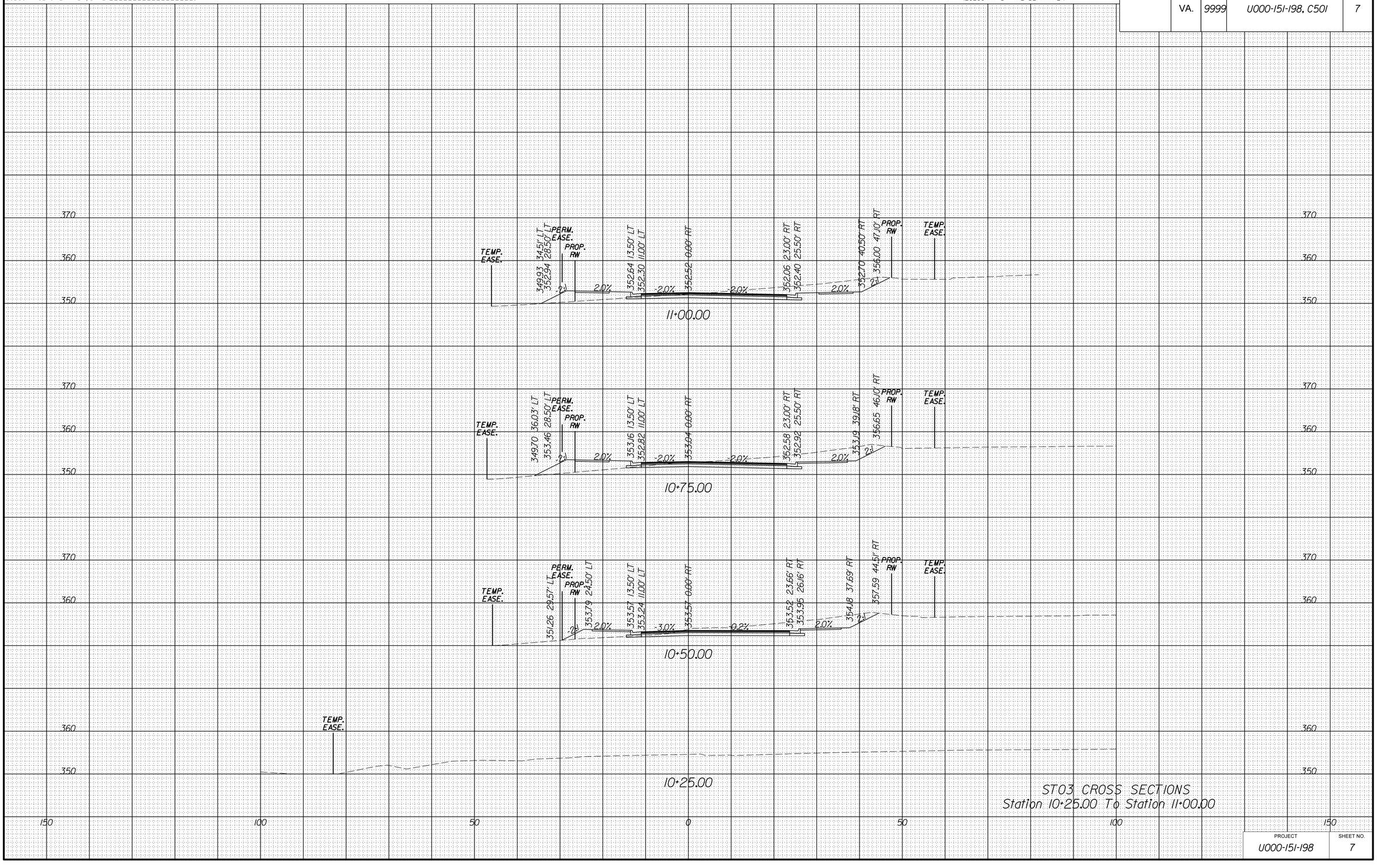
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	7



ST03 CROSS SECTIONS
Station 10+25.00 To Station 11+00.00

PROJECT	SHEET NO.
U000-151-198	7

1/22/2021
12:40 PM

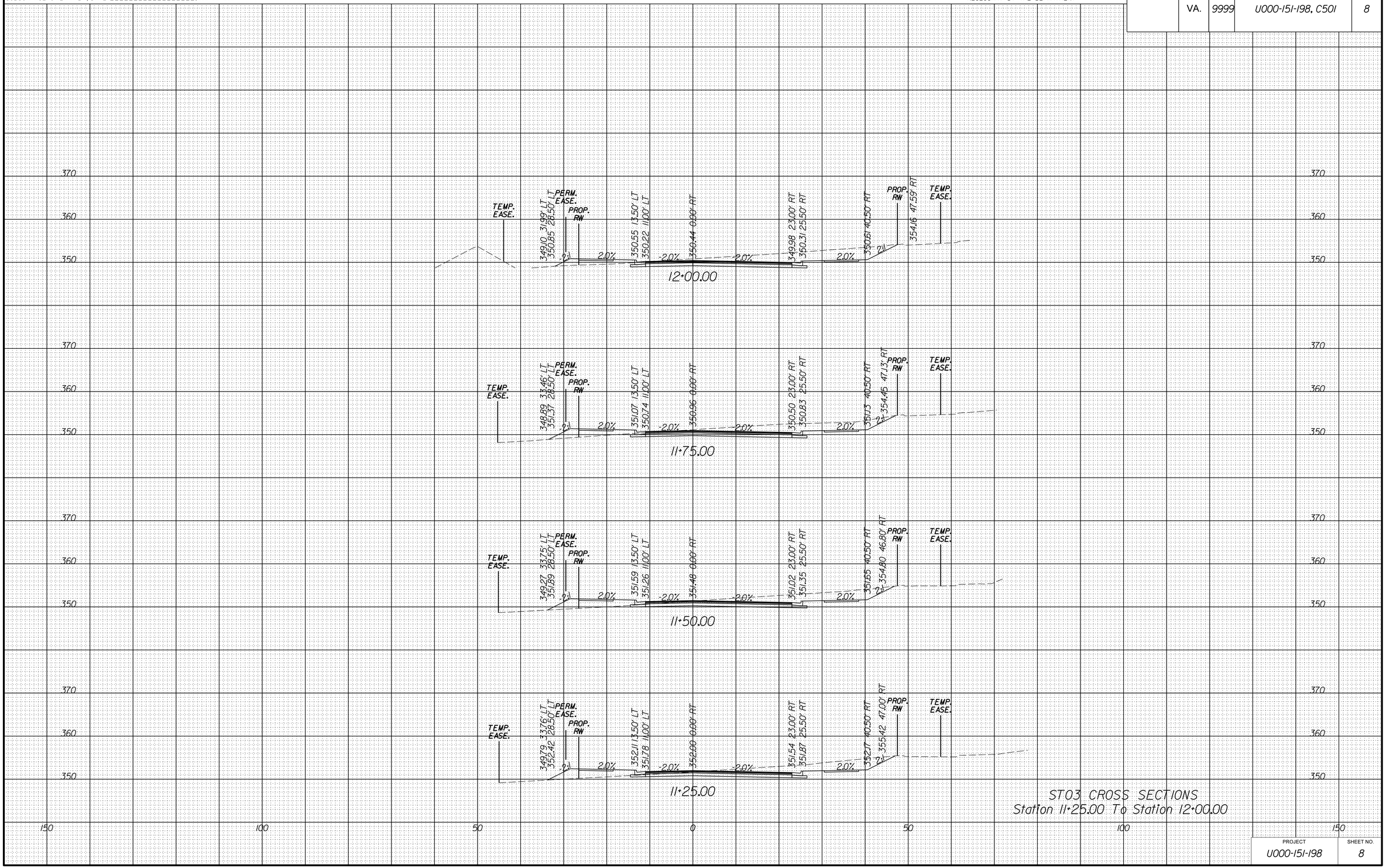
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	8



ST03 CROSS SECTIONS
Station 11+25.00 To Station 12+00.00

PROJECT	SHEET NO.
U000-151-198	8

1/22/2021
ip25i5 PM

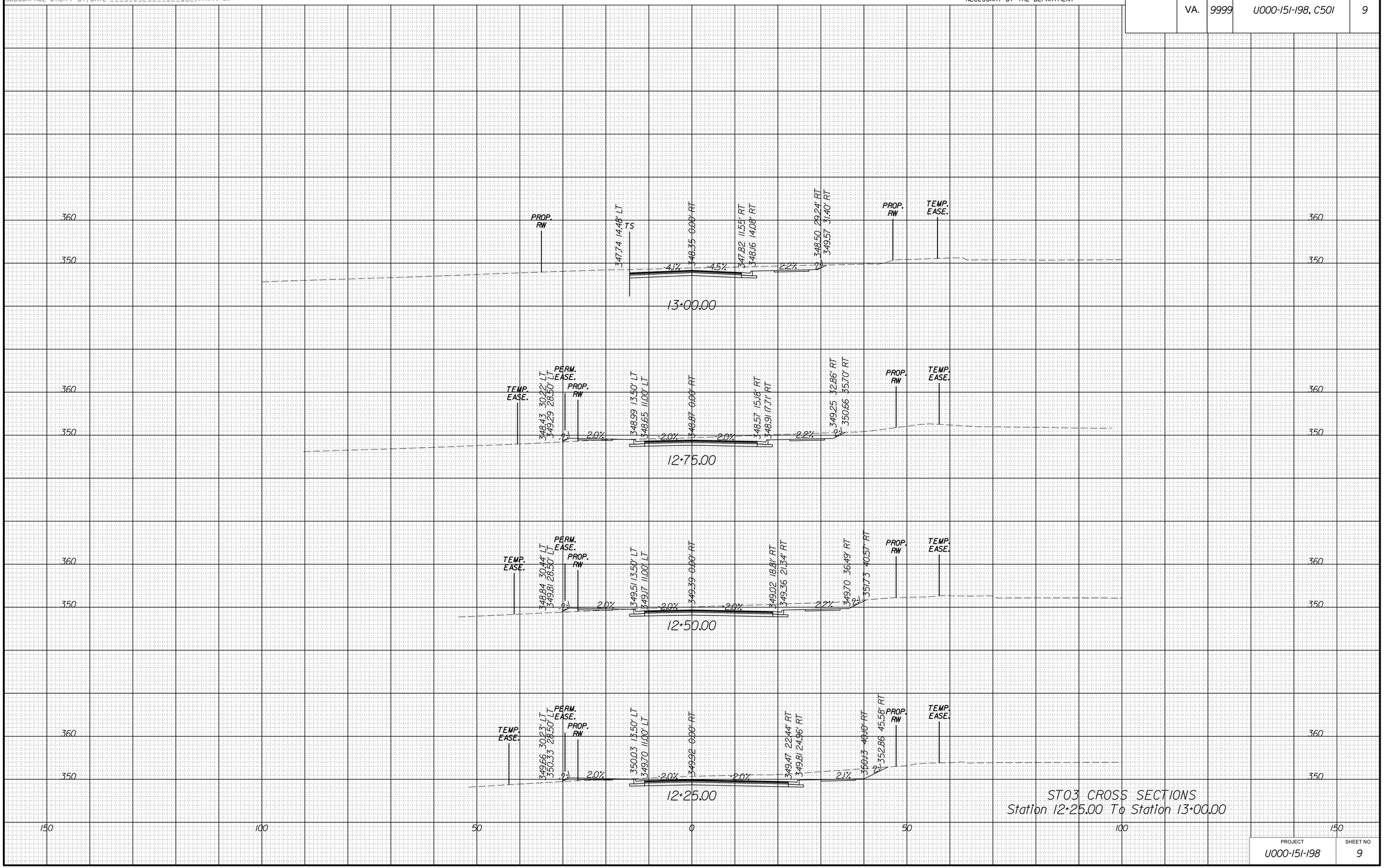
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	9



ST03 CROSS SECTIONS
Station 12+25.00 To Station 13+00.00

PROJECT	SHEET NO.
U000-151-198	9

1/22/2021
12:49 PM

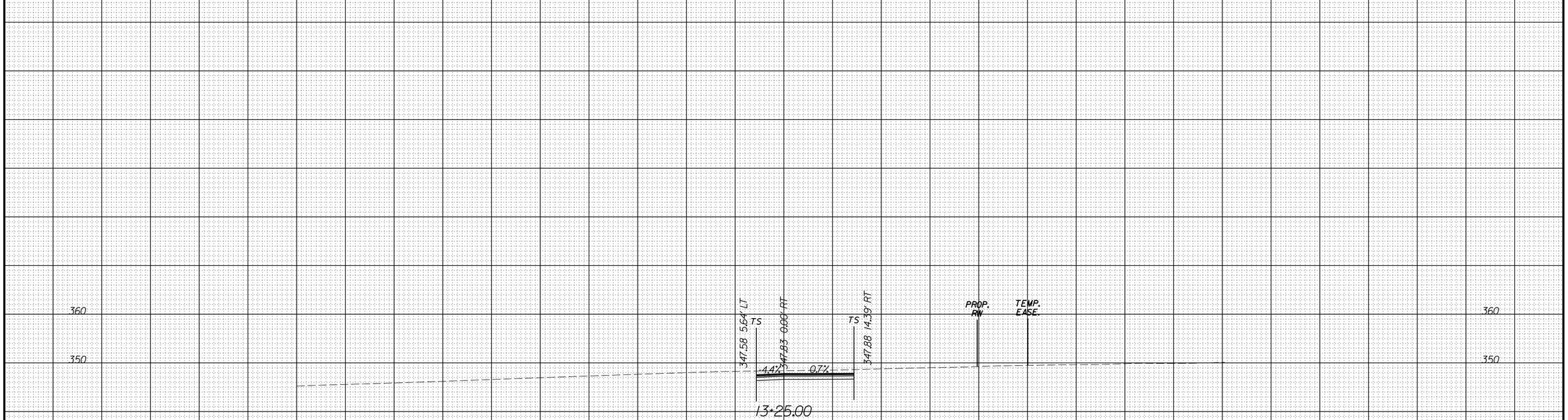
PROJECT MANAGER _WENDY BLOCK SANFORD (CITY OF FAIRFAX), (703) 385-7889
SURVEYED BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017
DESIGN BY _____TIMMONS GROUP (804) 200-6500_____
SUBSURFACE UTILITY BY, DATE _TIMMONS GROUP (804) 200-6500, 06/2017

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	9999	U000-151-198, C501	10



ST03 CROSS SECTIONS
Station 13+25.00 To Station 13+25.00

PROJECT	SHEET NO.
U000-151-198	10