FOR INDEX OF SHEETS SEE SHEET 1A

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OPENROADS DESIGNER).
COMPUTER IDENTIFICATION NO. 115545

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PROJECT MANAGER _Sunny Sarna (City of Fairfax) (703) 273-3067_
SURVEYED BY, DATE _Timmons Group (804) 200-6500_ 08/2020
DESIGN BY _Timmons Group (804) 200-6500_
SUBSURFACE UTILITY BY, DATE _Timmons Group (804) 200-6500_ 08/2020

COMMONWEALTH OF VIRGINIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

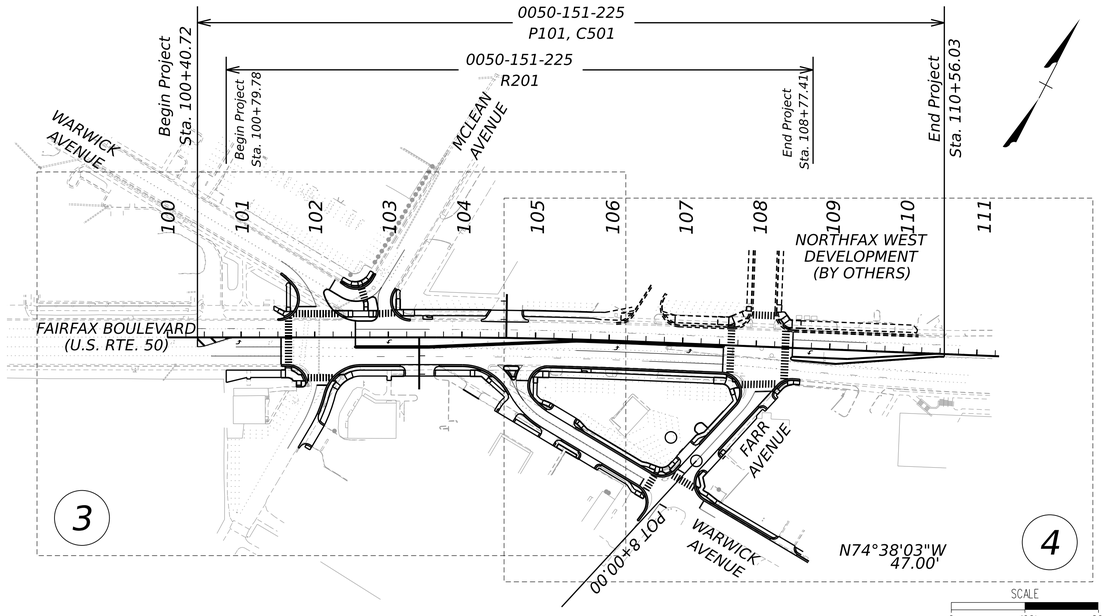
CITY OF FAIRFAX, VIRGINIA
U.S. 50 - FAIRFAX BOULEVARD INTERSECTION IMPROVEMENTS
FROM: 0.039 MILES WEST OF WARWICK AVENUE
TO: 0.047 MILES EAST OF FARR AVENUE

FHWA-534-23104

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	NHPP-5B01( )	0050	0050-151-225	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN PRINCIPAL ARTERIAL (GS-5) - 35 MPH DESIGN SPEED - ROLLING	
	FR: 0.039 MI. WEST OF WARWICK AVENUE TO: 0.047 MI. EAST OF FARR AVENUE (FAIRFAX BOULEVARD)
ADT (2019)	37,000
ADT (2039)	45,150
DHV	3,750
D (%) (design hour)	54%
T (%) (design hour)	0%
V (MPH)	⊛

⊛ See Plan and Profile Sheets for horizontal and vertical curve design speed data
See Sheet 1A for functional classification and traffic data for side streets



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

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, REVISED DECEMBER 2021, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL - REVISION 2.1 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.

ALL EXISTING AND PROPOSED RIGHT-OF-WAY SHALL BE OWNED AND MAINTAINED BY THE CITY OF FAIRFAX. ALL PROPOSED IMPROVEMENTS SHALL BE OWNED AND MAINTAINED BY THE CITY OF FAIRFAX.

CONVENTIONAL SIGNS

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

City of Fairfax - Population 23,257 (2016 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	DESCRIPTION
0050-151-225	P101	NHPP-5B01(121)	PENG	115545	1,015.31	0.192	1,015.31	0.192	Prelim. Engr.	FR: 0.039 MILES WEST OF WARWICK AVENUE TO: 0.047 MILES EAST OF FARR AVENUE
	R201	NHPP-5B01(297)	ROWA	115545	797.63	0.151	797.63	0.151	ROW	FR: 0.032 MILES WEST OF WARWICK AVENUE TO: 0.010 MILES EAST OF FARR AVENUE
	C501		1000	115545	1,015.31	0.192	1,015.31	0.192	Constr.	FR: 0.039 MILES WEST OF WARWICK AVENUE TO: 0.047 MILES EAST OF FARR AVENUE

NOTE: PROJECT LENGTH BASED ON CONSTRUCTION BASELINE

TIER 1 PROJECT

LOCALLY ADMINISTERED PROJECTS

City of Fairfax, VA
NAME OF LOCALITY

(SIGNATURE) DAVID SUMMERS
DAVID SUMMERS
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

12/21/21 — DIRECTOR, CITY OF FAIRFAX D.P.W.
DATE — *TITLE OF POSITION*

(SIGNATURE)
DAVID SUMMERS
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DIRECTOR, CITY OF FAIRFAX D.P.W.
DATE — *TITLE OF POSITION*

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

Copyright 2022, Commonwealth of Virginia

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1A

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

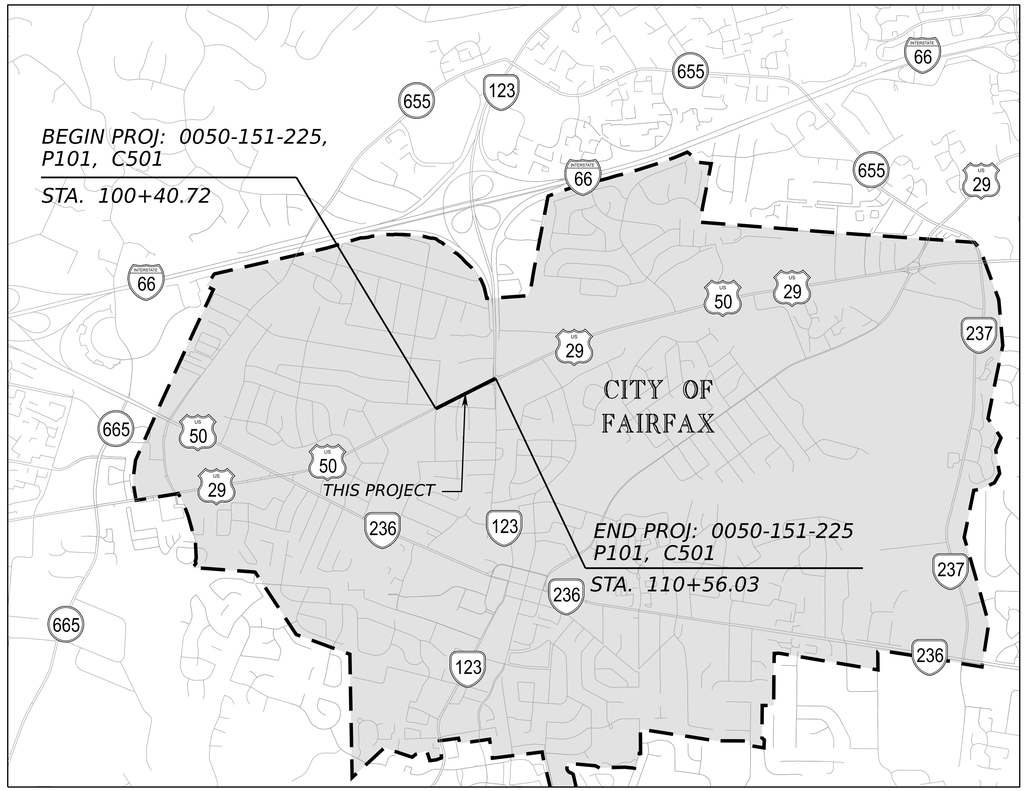
INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
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SHEET NO. 1B	RIGHT OF WAY DATA SHEET
SHEET NO. 1C	REVISION DATA SHEET
SHEET NO. 1D(1) - 1D(2)	SURVEY DATA SHEET
SHEET NO. 1E(1) - 1E(4)	ALIGNMENT DATA SHEET
SHEET NO. 1F(1) - 1F(3)	EXISTING CONDITIONS PLAN
SHEET NO. 1G(1) - 1G(2)	DEMOLITION PLAN
SHEET NO. 1H(1) - 1H(18)	TRAFFIC MANAGEMENT PLAN
SHEET NO. 1I	INTENTIONALLY OMITTED
SHEET NO. 1J	UNDERGROUND UTILITIES TEST HOLE INFORMATION
SHEET NO. 2	GENERAL NOTES
SHEET NO. 2A(1) - 2A(3)	TYPICAL SECTIONS
SHEET NO. 2B(1)	EROSION & SEDIMENT CONTROL NOTES
SHEET NO. 2B(2)	INTENTIONALLY OMITTED
SHEET NO. 2B(3) - 2B(4)	EROSION & SEDIMENT CONTROL PLANS
SHEET NO. 2C	ROADSIDE DEVELOPMENT SHEET
SHEET NO. 2D(3) - 2D(4)	EXISTING DRAINAGE AREA MAPS
SHEET NO. 2E(3) - 2E(4)	PROPOSED DRAINAGE AREA MAPS
SHEET NO. 2F(1) - 2F(3)	GEOMETRY PLANS
SHEET NO. 3	PLAN SHEET
SHEET NO. 3A	PROFILE SHEET - FAIRFAX BOULEVARD
SHEET NO. 3B	PROFILE SHEET - WARWICK - MCLEAN
SHEET NO. 3C	PROFILE SHEET - MCLEAN NORTH
SHEET NO. 3RW	RIGHT OF WAY PLAN SHEET
SHEET NO. 4	PLAN SHEET
SHEET NO. 4A	PROFILE SHEET - FAIRFAX BOULEVARD
SHEET NO. 4B	PROFILE SHEET - WARWICK WEST
SHEET NO. 4C	PROFILE SHEET - WARWICK EAST
SHEET NO. 4D	PROFILE SHEET - FARR AVENUE
SHEET NO. 4RW	RIGHT OF WAY PLAN SHEET
SHEET NO. 5	ENTRANCE PROFILES
SHEET NO. 6	DRAINAGE DESCRIPTIONS
SHEET NO. 7	STORM SEWER PROFILES
SHEET NO. 8(1) - 8(6)	PERMANENT PAVEMENT MARKING & SIGNING SHEETS
SHEET NO. 9(1) - 9(3)	TREE INVENTORY PLAN
SHEET NO. 10(1)	LIGHTING NOTES & CALCULATIONS
SHEET NO. 10(2)	LIGHTING DETAILS
SHEET NO. 10(3) - 10(4)	LIGHTING PLANS
SHEET NO. 11(1)	TRAFFIC SIGNAL GENERAL NOTES
SHEET NO. 11(2)	TRAFFIC SIGNAL SUMMARY OF QUANTITIES
SHEET NO. 11(3) - 11(4)	TRAFFIC SIGNAL PLANS
SHEET NO. 11(5)	TRAFFIC SIGNAL OVERHEAD STREET NAME SIGN LAYOUTS

Total Cross Section Sheets: 18
(See cross section sheet number 1 for Index of Cross Sections)

LOCATION MAP

CITY OF FAIRFAX, VIRGINIA
U.S. 50 - FAIRFAX BOULEVARD INTERSECTION IMPROVEMENTS
NOT TO SCALE



FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN MINOR COLLECTOR (GS-7) - 25 MPH DESIGN SPEED - ROLLING	
	FR: BURROWS AVENUE TO: FAIRFAX BOULEVARD (WARWICK AVENUE)
ADT (2019)	2185
ADT (2039)	2665

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN LOCAL STREET (GS-8) - 25 MPH DESIGN SPEED - ROLLING	
	FR: FAIRFAX BOULEVARD TO: HOWSEN AVENUE (WARWICK AVENUE)
ADT (2019)	1345
ADT (2039)	1640

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN LOCAL STREET (GS-8) - 25 MPH DESIGN SPEED - ROLLING	
	FR: WARWICK AVENUE TO: FAIRFAX BOULEVARD (FARR AVENUE)
ADT (2019)	545
ADT (2039)	665

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN MINOR COLLECTOR (GS-7) - 25 MPH DESIGN SPEED - ROLLING	
	FR: CEDAR AVENUE TO: FAIRFAX BOULEVARD (MCLEAN AVENUE)
ADT (2019)	1010
ADT (2039)	1235

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
URBAN MINOR COLLECTOR (GS-7) - 25 MPH DESIGN SPEED	
	FR: FAIRFAX BOULEVARD TO: ORCHARD STREET (MCLEAN AVENUE)
ADT (2019)	375
ADT (2039)	460

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 1A

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
2/7/2023	VA.	050	0050-151-225 R201	1B

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

PRELIMINARY RIGHT OF WAY DATA SHEET

PARCEL NO.	LANDOWNER	TAX PARCEL ID	SHEET NO.	AREA											
				TOTAL	FEE TAKING	PRESCRIPTIVE EASEMENTS	FEE REMAINDER	EASEMENTS							PROFFERS
								PERMANENT		UTILITY			TEMPORARY		
								SLOPE	DRAINAGE	DOMINION ENERGY	VERIZON	PUBLIC UTILITY	CONSTR.		
				ACRES	SQ FT	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	SQ FT		YES/NO
001	M SQUARED, LLC	57 1 02 110	03	1.191	-	-	1.191	-	-	-	-	-	340.42		-
002	BRANCH AVENUE ASSOCIATES, LLC	57 2 02 006 (PARCEL 1)	03	1.860	505.94	-	1.848	-	-	-	-	-	958.71		-
002	BRANCH AVENUE ASSOCIATES, LLC	57 2 02 006 (PARCEL 2)	03	0.481	837.68	-	0.462	-	-	-	-	-	1250.91		-
002	BRANCH AVENUE ASSOCIATES, LLC	57 2 02 006 (D.B. Y-11)	03	1.774	835.59	-	1.755	-	-	-	-	-	1341.24		-
003	SAGAAR LLC	57 2 02 083	03	0.296	1483.35	-	0.262	-	-	-	-	-	992.85		-
004	MGB PROPERTIES II, LLC	57 2 02 082	03	0.817	2749.33	-	0.754	-	-	-	-	-	2452.15		-
005	KBL, L. C.	57 2 02 081 57 2 02 079	03, 04	0.743	2716.02	-	0.681	-	-	-	-	-	2298.55		-
006	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-		-
007	KBL, L. C.	57 2 02 078	03, 04	0.566	5489.32	-	0.440	-	-	-	-	-	5756.10		-
008	SHOPS AT FAIRFAX, LLC	57 1 02 062 A	03	5.047	2542.56	-	4.989	-	-	-	-	-	197.49		-
009	KBR FAIRFAX L.L.C.	57 2 02 077	04	0.287	1863.92	-	0.244	-	-	-	-	-	940.97		-

DEMOLITION SUMMARY - FAIRFAX BOULEVARD IMPROVEMENTS					
SHEET NUMBER	PARCEL NUMBER	DEMOLITION NUMBER	LANDOWNER	ALIGNMENT & STATION	DESCRIPTION
3	002	D-1	BRANCH AVENUE ASSOCIATES, LLC	FAIRFAX BOULEVARD STA. 104+89 RT.	SITE LIGHT
3	002	D-2	BRANCH AVENUE ASSOCIATES, LLC	FAIRFAX BOULEVARD STA. 105.13 LT.	SITE LIGHT
3	002	D-3	BRANCH AVENUE ASSOCIATES, LLC	FAIRFAX BOULEVARD STA. 105+37 LT.	SITE LIGHT
3	002	D-4	BRANCH AVENUE ASSOCIATES, LLC	FAIRFAX BOULEVARD STA. 105+63 LT.	SITE LIGHT
3	003	D-5	SAGAAR LLC	FAIRFAX BOULEVARD STA. 101+70 RT.	BASKIN ROBBINS & CORNER COFFEE HOUSE SIGN
4	007	D-6	KBL, L.C.	WARWICK WEST STA. 32+72 LT.	SITE LIGHT
4	009	D-7	KBR FAIRFAX L.L.C.	WARWICK EAST STA. 40+50 LT.	DUMPSTER PAD AND ENCLOSURE
4	009	D-8	KBR FAIRFAX L.L.C.	FARR AVENUE 52+65 RT.	PRIVATE PARKING SIGNS

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

State Project: 0050-151-225, P101, R201, C501
Federal Project: NHPP-5B01(121)
From: 0.039 MILES WEST OF WARWICK AVE
To: 0.047 MILES EAST OF FARR AVE
UPC Number: 115545

PAC PLANS

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REVISION DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
2/7/2023	VA.	050	0050-151-225 P101	1C

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

02-07-2023 - RIGHT OF WAY PLAN REVISION

SHEET 1B: PARCEL 010 REMOVED FROM DATA SHEET. SEE BELOW.

SHEET 3, 3RW, 4, 4RW: OWNERSHIP HAS BEEN REVISED FOR THE FORMER ALPINE SCHUILING PARCEL. THE PARCEL HAS SINCE CHANGED OWNERSHIP AND IS NOW OWNED BY GRAMM SB PROPERTIES, LLC. THE PROPERTY LINE DIVIDING THE TWO FORMER ALPINE SCHUILING PARCELS HAS ALSO BEEN VACATED, LEAVING A SINGLE CONSOLIDATED GRAMM SB PROPERTIES PARCEL. FURTHER, THE PROPOSED RIGHT OF WAY PREVIOUSLY DEPICTED ON THIS PARCEL HAS BEEN REMOVED TO REFLECT PRIOR RIGHT OF WAY DEDICATIONS ON THIS PARCEL.

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 1C

9/29/2023
4:41:43 PM

dll55450IDx.dgn
Plotted By: kyler1blet

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

SURVEY DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1D(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1D(2) - STA. 106+00.00

MATCHLINE SHEET 1D(2) - STA. 32+00.00

Traverse 6
Elev.= 376.52'

Traverse 1
Elev.= 380.95'

Traverse 4
Elev.= 382.44'

Traverse 5
Elev.= 378.29'

WARWICK AVE
VARIABLE WIDTH RIGHT OF WAY

MCLEAN ST.
VARIABLE WIDTH RIGHT OF WAY

MCLEAN AVE.
VARIABLE WIDTH RIGHT OF WAY

FAIRFAX BLVD.
US HWY 29/50
VARIABLE WIDTH RIGHT OF WAY

VARIABLE WIDTH FAIRFAX BLVD.
RIGHT OF WAY US HWY 29/50

Presumed Location of Storm Structure (Buried or Paved Over) Inaccessible

Approx. Loc. Ex. 10' Waterline Esmt. D.B. 20076 Pg. 2062

Approx. Loc. Ex. 15' Storm Esmt. D.B. 20076 Pg. 2062

1-Story Frame Commercial #10620

2-Sty. Frame Retail #10655 #10657

2-Sty. Stucco Commercial #10641

1.5-Story Frame Commercial #10595

Deck FF = 382. 94

FF = 381. 58

FF = 384. 23

Brick Wall

Wood Fence

Split Rail Fence

12' Chainlink Fence

Conc. Walk

Conc. Stoop
Handrail

Bollards (Typ.)

Speed Bump

Asphalt

Gravel

Woods

Sign

Ex. R/W

HC Ramp

RW Note 1

Dec. Tree

TRAVERSE TABULATION

Traverse Numbers	Bearing	Distance	Northing	Easting	Elevation	Description
1			6997286.254	11821280.836	380.95	Rod & Cap
	N63°44'48"E	518.53'				
2			6997515.620	11821745.877	372.39	Rod & Cap
	S5°21'20"W	298.35'				
3			6997218.573	11821718.030	375.76	Rod & Cap
	N86°21'48"W	354.02'				
4			6997241.028	11821364.722	382.44	Rod & Cap
	S62°54'16"W	345.84'				
5			6997083.506	11821056.838	378.29	Rod & Cap
	N19°47'10"W	237.08'				
6			6997306.585	11820976.585	376.52	Rod & Cap
	S86°10'37"E	304.93'				

Basis of Meridian: Virginia State Coordinate System NAD83
Basis of Datum: NGVD 29

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	1D(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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SURVEY DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1D(2)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1D(1) - STA. 106+00.00

MATCHLINE SHEET 1D(1) - STA. 32+00.00

Dec. Tree (N15°32'03"E) Ex. R/W Sign Asphalt Flag Pole (2) Signs Conc. Walk (N65°28'18"E 107.00') (L4) Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219 RW Note 2 RW Note 4 RW Note 3 (L11) RW Note 5 (L15) RW Note 6 RW Note 7 (N64°56'31"E 74.22') (C5) (L16) RW Note 8 RW Note 3 (N65°18'10"E 59.67') 1-Story Frame Commercial #10601 FF Gar. = 380.68 FF = 381.03 1-Story Stucco Restaurant #10579 RW Note 5 Ex. Storm Drainage Esmt. D.B. 24452, Pg. 219 Block Wall Ex. Ingress-Egress Esmt. D.B. 6341, Pg. 670 3.5-Story Brick Commercial #10565 Handrail (Typ.) Brick Wall (Typ.) FF = 355.85 20" Dec. Ex. R/W (S15°12'56"W 147.59') FARR AVE S5°21'20"W 298.35' (N15°08'48"E 199.06') (S15°08'48"W 114.07') (N86°30'12"W 25.01') IRF PK Nail Block Wall (S15°08'48"W 106.96') (L10) (L8) IPF (N86°31'30"W 142.96') Traverse 3 Elev.= 375.76' N86°27'58"E (544.80') 324.88' N86°21'45"W 354.02' 2-Story Brick Dwelling #3700 -3702 4" PVC Pipe Inv. = 380.44 Wood Wall 6' Wd. Fnc. (2) Bollards (3) Signs (S15°12'56"W) (N15°08'48"E) (Leaning) (S1°34'58"E) (S86°27'58"E 421.15') 30" Dec. Traverse 2 Elev.= 372.39' (124.39') N63°44'48"E (L17) Conc. Walk Asphalt Ex. R/W Flag Pole Dec. Tree Sign (2) Signs Conc. Walk Flag Pole Dec. Tree Sign Asphalt Ex. R/W HC Ramp (252.95') HC Ramp IRF Wood Ret. Wall (N27°29'21"E) LP Base Ex. R/W RW Note 8 (S64°53'33"W 53.28') Approx. Parcel Line Per 0029-151-105 Plans. No Legal Reference For This Property. (N62°17'31"E 227.23') Conc. Asphalt Dec. Tree Dec. Tree Dec. Tree Dec. Tree

TRAVERSE TABULATION						
Traverse Numbers	Bearing	Distance	Northing	Easting	Elevation	Description
1			6997286.254	11821280.836	380.95	Rod & Cap
	N63°44'48"E	518.53'				
2			6997515.620	11821745.877	372.39	Rod & Cap
	S5°21'20"W	298.35'				
3			6997218.573	11821718.030	375.76	Rod & Cap
	N86°21'48"W	354.02'				
4			6997241.028	11821364.722	382.44	Rod & Cap
	S62°54'16"W	345.84'				
5			6997083.506	11821056.838	378.29	Rod & Cap
	N19°47'10"W	237.08'				
6			6997306.585	11820976.585	376.52	Rod & Cap
	S86°10'37"E	304.93'				

Basis of Meridian: Virginia State Coordinate System NAD83
Basis of Datum: NGVD 29

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	1D(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

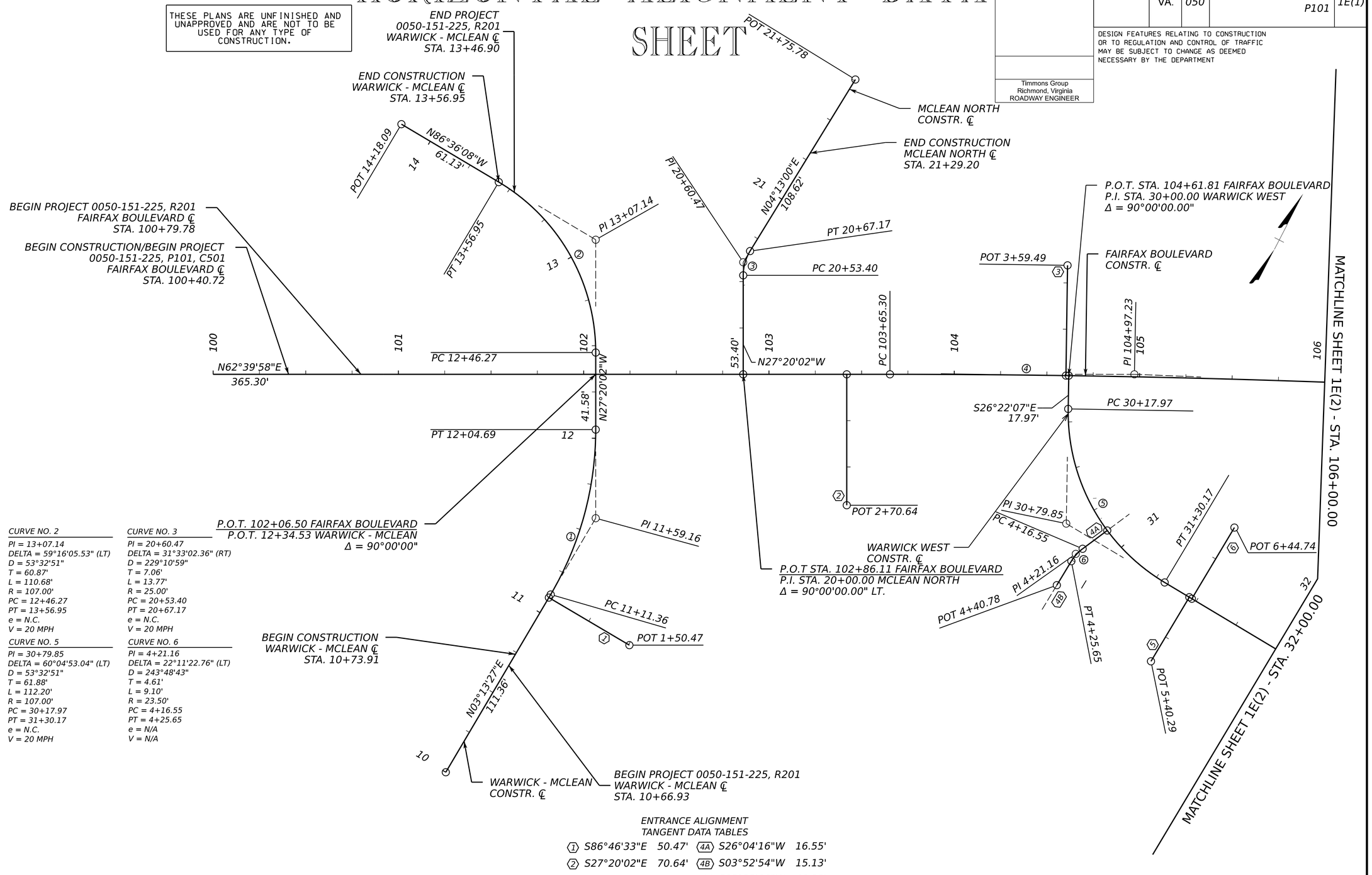
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

HORIZONTAL ALIGNMENT DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1E(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



CURVE NO. 1
PI = 11+59.16
DELTA = 30°33'29.25" (LT)
D = 32°44'26"
T = 47.81'
L = 93.33'
R = 175.00'
PC = 11+11.36
PT = 12+04.69
e = N.C.
V = 20 MPH

CURVE NO. 2
PI = 13+07.14
DELTA = 59°16'05.53" (LT)
D = 53°32'51"
T = 60.87'
L = 110.68'
R = 107.00'
PC = 12+46.27
PT = 13+56.95
e = N.C.
V = 20 MPH

CURVE NO. 3
PI = 20+60.47
DELTA = 31°33'02.36" (RT)
D = 229°10'59"
T = 7.06'
L = 13.77'
R = 25.00'
PC = 20+53.40
PT = 20+67.17
e = N.C.
V = 20 MPH

CURVE NO. 4
PI = 104+97.23
DELTA = 02°19'31.56" (RT)
D = 00°52'53"
T = 131.92'
L = 263.81'
R = 6,500.00'
PC = 103+65.30
PT = 106+29.11
e = N.C.
V = 35 MPH

CURVE NO. 5
PI = 30+79.85
DELTA = 60°04'53.04" (LT)
D = 53°32'51"
T = 61.88'
L = 112.20'
R = 107.00'
PC = 30+17.97
PT = 31+30.17
e = N.C.
V = 20 MPH

CURVE NO. 6
PI = 4+21.16
DELTA = 22°11'22.76" (LT)
D = 243°48'43"
T = 4.61'
L = 9.10'
R = 23.50'
PC = 4+16.55
PT = 4+25.65
e = N/A
V = N/A

ENTRANCE ALIGNMENT TANGENT DATA TABLES

1	S86°46'33"E 50.47'	4A	S26°04'16"W 16.55'
2	S27°20'02"E 70.64'	4B	S03°52'54"W 15.13'
3	N26°29'48"W 59.49'	5	S03°33'00"W 40.29'
		6	N03°33'00"E 44.74'

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	1E(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

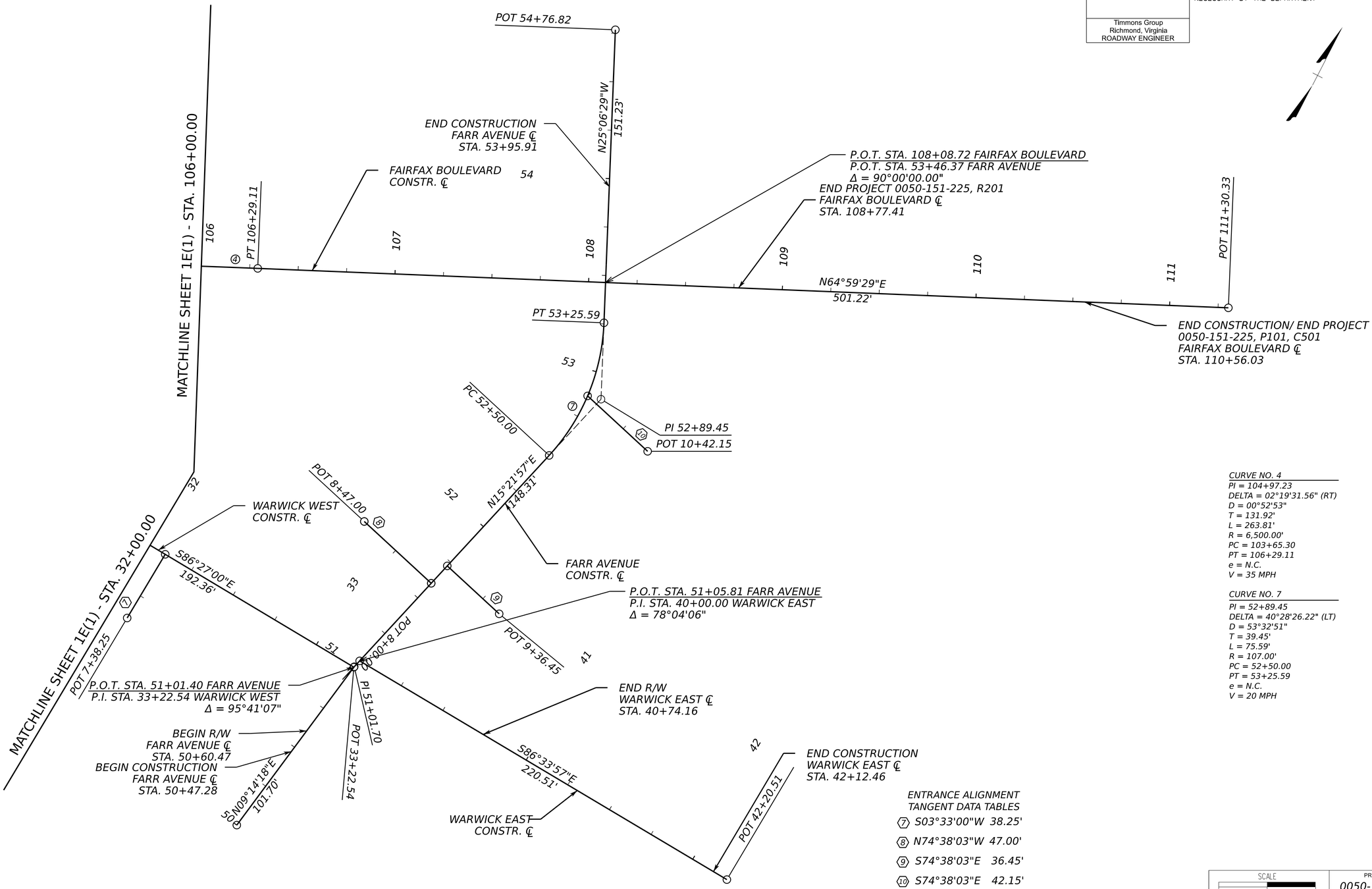
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HORIZONTAL ALIGNMENT DATA SHEET

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1E(2)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



CURVE NO. 4
PI = 104+97.23
DELTA = 02°19'31.56" (RT)
D = 00°52'53"
T = 131.92'
L = 263.81'
R = 6,500.00'
PC = 103+65.30
PT = 106+29.11
e = N.C.
V = 35 MPH

CURVE NO. 7
PI = 52+89.45
DELTA = 40°28'26.22" (LT)
D = 53°32'51"
T = 39.45'
L = 75.59'
R = 107.00'
PC = 52+50.00
PT = 53+25.59
e = N.C.
V = 20 MPH

ENTRANCE ALIGNMENT TANGENT DATA TABLES
⑦ *S03°33'00"W 38.25'*
⑧ *N74°38'03"W 47.00'*
⑨ *S74°38'03"E 36.45'*
⑩ *S74°38'03"E 42.15'*

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	1E(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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HORIZONTAL ALIGNMENT DATA

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1E(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

* Alignment name: Fairfax Boulevard
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	10000.000 R1	6997110.068	11820999.542
PC( )	10365.303 R1	6997277.806	11821324.057
Tangential Direction:	N62.666°E		
Tangential Length:	365.303		
Element: Circular			
PC( )	10365.303 R1	6997277.806	11821324.057
HPI( )	10497.227 R1	6997338.383	11821441.251
CC( )		6991503.563	11824308.702
PT( )	10629.115 R1	6997394.154	11821560.806
Radius:	6500.000		
Delta:	2.325° Right		
Degree of Curvature(Arc):	0.881°		
Length:	263.812		
Tangent:	131.924		
Chord:	263.794		
Middle Ordinate:	1.338		
External:	1.339		
Tangent Direction:	N62.666°E		
Radial Direction:	S27.334°E		
Chord Direction:	N63.829°E		
Radial Direction:	S25.009°E		
Tangent Direction:	N64.991°E		
Element: Linear			
PT( )	10629.115 R1	6997394.154	11821560.806
END( )	11130.332 R1	6997606.045	11822015.032
Tangential Direction:	N64.991°E		
Tangential Length:	501.217		

* Alignment name: McLean North
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	2000.000 R1	6997241.443	11821253.707
PC( )	2048.317 R1	6997284.366	11821231.521
Tangential Direction:	N27.334°W		
Tangential Length:	48.317		
Element: Circular			
PC( )	2048.317 R1	6997284.366	11821231.521
HPI( )	2060.465 R1	6997295.157	11821225.943
CC( )		6997304.110	11821269.720
PT( )	2071.996 R1	6997307.272	11821226.836
Radius:	43.000		
Delta:	31.551° Right		
Degree of Curvature(Arc):	133.246°		
Length:	23.679		
Tangent:	12.148		
Chord:	23.380		
Middle Ordinate:	1.620		
External:	1.683		
Tangent Direction:	N27.334°W		
Radial Direction:	N62.666°E		
Chord Direction:	N11.559°W		
Radial Direction:	S85.783°E		
Tangent Direction:	N4.217°E		
Element: Linear			
PT( )	2071.996 R1	6997307.272	11821226.836
END( )	2175.526 R1	6997410.522	11821234.449
Tangential Direction:	N4.217°E		
Tangential Length:	103.530		

* Alignment name: Warwick - East
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	4000.000 R1	6997238.470	11821700.470
END( )	4220.505 R1	6997225.262	11821920.579
Tangential Direction:	S86.566°E		
Tangential Length:	220.505		

* Alignment name: McLean - Warwick
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	1000.000 R1	6996977.006	11821209.687
PC( )	1111.358 R1	6997088.188	11821215.950
Tangential Direction:	N3.224°E		
Tangential Length:	111.358		
Element: Circular			
PC( )	1111.358 R1	6997088.188	11821215.950
HPI( )	1159.164 R1	6997135.918	11821218.638
CC( )		6997098.031	11821041.227
PT( )	1204.693 R1	6997178.387	11821196.687
Radius:	175.000		
Delta:	30.558° Left		
Degree of Curvature(Arc):	32.740°		
Length:	93.334		
Tangent:	47.806		
Chord:	92.232		
Middle Ordinate:	6.186		
External:	6.412		
Tangent Direction:	N3.224°E		
Radial Direction:	S86.776°E		
Chord Direction:	N12.055°W		
Radial Direction:	N62.666°E		
Tangent Direction:	N27.334°W		
Element: Linear			
PT( )	1204.693 R1	6997178.387	11821196.687
PC( )	1250.253 R1	6997218.860	11821175.767
Tangential Direction:	N27.334°W		
Tangential Length:	45.561		
Element: Circular			
PC( )	1250.253 R1	6997218.860	11821175.767
HPI( )	1307.140 R1	6997269.395	11821149.646
CC( )		6997172.942	11821086.932
PT( )	1353.696 R1	6997272.767	11821092.859
Radius:	100.000		
Delta:	59.268° Left		
Degree of Curvature(Arc):	57.296°		
Length:	103.443		
Tangent:	56.887		
Chord:	98.892		
Middle Ordinate:	13.080		
External:	15.048		
Tangent Direction:	N27.334°W		
Radial Direction:	N62.666°E		
Chord Direction:	N56.968°W		
Radial Direction:	N3.398°E		
Tangent Direction:	N86.602°W		
Element: Linear			
PT( )	1353.696 R1	6997272.767	11821092.859
END( )	1418.813 R1	6997276.626	11821027.857
Tangential Direction:	N86.602°W		
Tangential Length:	65.117		

* Alignment name: Warwick - West
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	3000.000 R1	6997327.269	11821421.760
PC( )	3052.140 R1	6997280.554	11821444.917
Tangential Direction:	S26.369°E		
Tangential Length:	52.140		
Element: Circular			
PC( )	3052.140 R1	6997280.554	11821444.917
HPI( )	3071.779 R1	6997262.958	11821453.640
CC( )		6997304.982	11821494.195
PCC( )	3089.866 R1	6997254.867	11821471.535
Radius:	55.000		
Delta:	39.301° Left		
Degree of Curvature(Arc):	104.174°		
Length:	37.727		
Tangent:	19.639		
Chord:	36.991		
Middle Ordinate:	3.203		
External:	3.401		
Tangent Direction:	S26.369°E		
Radial Direction:	S63.631°W		
Chord Direction:	S46.019°E		
Radial Direction:	S24.330°W		
Tangent Direction:	S65.670°E		
Element: Circular			
PCC( )	3089.866 R1	6997254.867	11821471.535
HPI( )	3107.815 R1	6997247.473	11821487.890
CC( )		6997345.986	11821512.735
PT( )	3125.385 R1	6997246.227	11821505.795
Radius:	100.000		
Delta:	20.350° Left		
Degree of Curvature(Arc):	57.296°		
Length:	35.518		
Tangent:	17.948		
Chord:	35.332		
Middle Ordinate:	1.573		
External:	1.598		
Tangent Direction:	S65.670°E		
Radial Direction:	S24.330°W		
Chord Direction:	S75.845°E		
Radial Direction:	S3.980°W		
Tangent Direction:	S86.020°E		
Element: Linear			
PT( )	3125.385 R1	6997246.227	11821505.795
END( )	3319.295 R1	6997234.210	11821699.332
Tangential Direction:	S86.447°E		
Tangential Length:	193.910		

* Alignment name: Farr Avenue
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	5000.000 R1	6997134.125	11821683.053
HPI( )	5101.695 R1	6997234.501	11821699.379
Tangential Direction:	N9.238°E		
Tangential Length:	101.695		
Element: Linear			
HPI( )	5101.695 R1	6997234.501	11821699.379
PC( )	5252.979 R1	6997380.377	11821739.466
Tangential Direction:	N15.366°E		
Tangential Length:	151.284		
Element: Circular			
PC( )	5252.979 R1	6997380.377	11821739.466
HPI( )	5289.845 R1	6997415.925	11821749.235
CC( )		6997406.875	11821643.041
PT( )	5323.619 R1	6997449.308	11821733.592
Radius:	100.000		
Delta:	40.474° Left		
Degree of Curvature(Arc):	57.296°		
Length:	70.640		
Tangent:	36.866		
Chord:	69.181		
Middle Ordinate:	6.173		
External:	6.579		
Tangent Direction:	N15.366°E		
Radial Direction:	S74.634°E		
Chord Direction:	N4.871°W		
Radial Direction:	N64.892°E		
Tangent Direction:	N25.108°W		
Element: Linear			
PT( )	5323.619 R1	6997449.308	11821733.592
END( )	5477.133 R1	6997588.315	11821668.451
Tangential Direction:	N25.108°W		
Tangential Length:	153.513		

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 1E(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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HORIZONTAL ALIGNMENT DATA

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1E(4)

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

* Alignment name: Entr. #1
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	100.000 R1	6997086.255	11821215.841
END( )	150.468 R1	6997083.417	11821266.229
Tangential Direction:	S86.776°E		
Tangential Length:	50.468		

* Alignment name: Entr. #2
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	200.000 R1	6997267.101	11821303.346
END( )	270.637 R1	6997204.351	11821335.780
Tangential Direction:	S27.334°E		
Tangential Length:	70.637		

* Alignment name: Entr. #3
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	300.000 R1	6997320.804	11821408.753
END( )	359.489 R1	6997374.044	11821382.212
Tangential Direction:	N26.497°W		
Tangential Length:	59.489		

* Alignment name: Entr. #4
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	400.000 R1	6997256.805	11821466.936
PC( )	416.549 R1	6997241.940	11821459.663
Tangential Direction:	S26.071°W		
Tangential Length:	16.549		
Element: Circular			
PC(AL-4)	416.549 R1	6997241.940	11821459.663
HPI( )	421.157 R1	6997237.800	11821457.638
CC( )		6997231.612	11821480.772
PT( )	425.650 R1	6997233.202	11821457.326
Radius:	23.500		
Delta:	22.190° Left		
Degree of Curvature(Arc):	243.812°		
Length:	9.101		
Tangent:	4.608		
Chord:	9.044		
Middle Ordinate:	0.439		
External:	0.448		
Tangent Direction:	S26.071°W		
Radial Direction:	N63.929°W		
Chord Direction:	S14.976°W		
Radial Direction:	N86.118°W		
Tangent Direction:	S3.882°W		
Element: Linear			
PT( )	425.650 R1	6997233.202	11821457.326
END( )	440.782 R1	6997218.105	11821456.302
Tangential Direction:	S3.882°W		
Tangential Length:	15.132		

* Alignment name: Entr. #5
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	500.000 R1	6997245.163	11821522.803
END( )	540.291 R1	6997204.949	11821520.308
Tangential Direction:	S3.550°W		
Tangential Length:	40.291		

* Alignment name: Entr. #6
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	600.000 R1	6997245.064	11821524.408
END( )	644.737 R1	6997289.715	11821527.178
Tangential Direction:	N3.550°E		
Tangential Length:	44.737		

* Alignment name: Entr. #7
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	700.000 R1	6997241.234	11821586.128
END( )	738.250 R1	6997203.058	11821583.759
Tangential Direction:	S3.550°W		
Tangential Length:	38.250		

* Alignment name: Entr. #8
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	800.000 R1	6997290.985	11821714.901
END( )	847.000 R1	6997303.439	11821669.581
Tangential Direction:	N74.634°W		
Tangential Length:	47.000		

* Alignment name: Entr. #9
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	900.000 R1	6997302.750	11821718.134
END( )	936.451 R1	6997293.092	11821753.282
Tangential Direction:	S74.634°E		
Tangential Length:	36.451		

* Alignment name: Entr. #10
* Alignment description:
* Alignment style: Alignment\DES_HOR_CL
*

	STATION	NORTHING	EASTING
Element: Linear			
START( )	1000.000 R1	6997413.887	11821742.202
END( )	1042.148 R1	6997402.719	11821782.843
Tangential Direction:	S74.634°E		
Tangential Length:	42.148		

NOT TO SCALE	PROJECT	SHEET NO.
	0050-151-225	1E(4)

9/29/2023
4:44:03 PM

dll55450IFx.dgn
Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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EXISTING CONDITIONS PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1F(1)

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Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1F(2) - STA. 106+00.00

MATCHLINE SHEET 1F(2) - STA. 32+00.00

UTILITY OWNERS:
- DOMINION POWER - CHRISTINE JULIANO - (703) 431-6559
- CITY OF FAIRFAX WATER - ROBERT COTTON - RCOTTEN@FAIRFAXWATER.ORG
- WASHINGTON NATURAL GAS - ROGER GAULT - (703) 750-4285
- ZAYO COMMUNICATIONS - BRAD LEATHERMAN - (703) 928-0649
- FIBERLIGHT COMMUNICATIONS - PETE ZDEBSKI - (443) 509-4658
- MCI - ADAM RICE - (571) 220-8978
- COX COMMUNICATIONS - THOMAS PORTER - (703) 480-2815
- AT & T COMMUNICATIONS - CRYSTAL BALWINSKI - (703) 444-3060
- VERIZON - SCOTT SISK - (703) 694-6530

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	1F(1)

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
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EXISTING CONDITIONS PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1F(2)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1F(1) - STA. 106+00.00

MATCHLINE SHEET 1F(1) - STA. 32+00.00

Water Meter
Dec. Tree
(N5°32'03"E)
Dec. Tree
Light Pole No # Posted
Sign
Dec. Tree
Light Pole No # Posted
Dec. Tree
Dec. Tree
(2) Signs
Dec. Tree
Light Pole No # Posted
Gas Test Sta.
Ex. R/W
Light Pole #CO417 NC12
Ex. R/W
Dec. Tree
Flag Pole
Flag Pole
Flag Pole
(2) Signs
Water Meter
Dec. Tree
Telecomm. MH
Telecomm. MH
Water Valve
Fire Hydrant
Light Pole No # Posted
(2) Signs
Gas Vault
Dec. Tree
Sign
Light Pole No # Posted
Light Pole #CO147 NC55
Water Meter
(N27°29'21"E)
Approx. Parcel Line Per 0029-151-105 Plans. No Legal Reference For This Property.
(N62°17'31"E 227.23')
Asphalt
Ex. R/W
U/G Verizon Comm.
U/G AT&T Comm.
(124.30')
(L17)
Conc. Walk
T/Tg
Asphalt
Ex. R/W
Ex. SAW
HC Ramp
(252.95')
HC Ramp
U/G Dominion Power
Asphalt
IRF
Wood Ret. Wall
LP Base
Ex. R/W
RW Note 8
(S64°53'33"W 53.28')
Fairfax Water
Dec. Tree
Conc.
Asphalt
Conc. Walk
8"G
TC Duct
Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219
RW Note 2
RW Note 4
8"
RW Note 3
(L11)
(L15)
RW Note 6
RW Note 7
(N64°56'31"E 74.22')
Washington Gas
RW Note 3
(N65°18'10"E 59.67')
RW Note 8
(N65°28'18"E 107.00')
Ex. R/W
FF Gar. = 380. 68
EOI
(L4)
Flag Pole
Conc. Walk
Asphalt
IRF
RW Note 5
25
(L16)
Drainage Esmt. D.B. 24452, Pg. 219
Block Wall
IRF
(C5)
26
Conc. Walk
RW Note 8
RW Note 3
3.5-Story Brick Commercial #10565
FF = 355. 85
Handrail (Typ.)
Brick Wall (Typ.)
1-Story Frame Commercial #10601
FF = 381. 03
Light Pole #NC02
20" Dec.
Ex. R/W
RW Note 3
1-Story Stucco Restaurant #10579
RW Note 5
Ex. Storm Drainage Esmt. D.B. 24452, Pg. 219
(N15°08'48"E 199.06')
Light Pole #CO147 NC12
(S15°08'48"W 114.07')
Light Post #CO417 NC32
Elec. Vault
Ex. Ingress-Egress Esmt. D.B. 6341, Pg. 670
Elec. Vault
Light Post
Water Valve
Dec. Tree
Elec. Vault
Dec. Tree
Elec. Vault
Dec. Tree
Ground Light
(2) Ground Lights
Ex. R/W
(S15°12'56"W 147.59')
FARR AVE
Light Pole #MB99
Sign
(N27°58'E 344.80')
324.88')
Ex. R/W
Wood Wall
6' Wd. Fnc.
6"
Asphalt
(N15°08'48"E 199.06')
(N86°30'12"W 25.01')
IRF
Block Wall (S15°08'48"W 106.96')
PK Nail
WMH
U/G CATV
(L8)
IPF
Ex. R/W
U/G Dom. Power
Utility Pole w/Light #CO147 NB38
Water Meter
Dec. Tree
Elec. Vault
Fire Hydrant
(L10)
(N86°31'30"W 142.96')
(2) Ground Lights
Conc. Walk
2-Story Brick Dwelling #3700 -3702
4" PVC Pipe Inv. = 380.44
Ex. R/W
Sign
(2) Bollards
(3) Signs
Ex. R/W
6" Fairfax Water
IPF
(S86°27'58"E 421.15')
Gas Meter
30" Dec.
Sign
(S15°12'56"W)
IPF (Leaning)
(N15°08'48"E)
Utility Pole w/Light #CO147 MB98
Water Meter
(S1°34'58"E)
IPF

UTILITY OWNERS:

- *DOMINION POWER - CHRISTINE JULIANO - (703) 431-6559*
- *CITY OF FAIRFAX WATER - ROBERT COTTON - RCOTTEN@FAIRFAXWATER.ORG*
- *WASHINGTON NATURAL GAS - ROGER GAULT - (703) 750-4285*
- *ZAYO COMMUNICATIONS - BRAD LEATHERMAN - (703) 928-0649*
- *FIBERLIGHT COMMUNICATIONS - PETE ZDEBSKI - (443) 509-4658*
- *MCI - ADAM RICE - (571) 220-8978*
- *COX COMMUNICATIONS - THOMAS PORTER - (703) 480-2815*
- *AT & T COMMUNICATIONS - CRYSTAL BALWINSKI - (703) 444-3060*
- *VERIZON - SCOTT SISK - (703) 694-6530*

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	1F(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

EXISTING CONDITIONS PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1F(3)

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

STORM DRAINAGE TABLE

(01) In Pl. Grate Inlet
Rim = 379.50
15" RCP Inv. In = 374.15
15"x21" Elip RCP Inv. Out = 374.15
In Pl. 15"x21" RCP

(02) In Pl. Manhole
Rim = 379.04
15"x21" Elip RCP Inv. In =373.64
24" RCP Inv. Out = 373.62
In Pl. 24" RCP

(03) In Pl. Curb Inlet
Rim (A) = 377.39
Rim (B) = 377.39
18" RCP Inv. In = 372.54
24" RCP Inv. In (W) = 372.54
24" RCP Inv. In (SE) = 372.58
24" RCP Inv. Out = 372.41
In Pl. 24" RCP

(04) In Pl. Curb Inlet
Rim = 376.53
24" RCP Inv. In = 371.61
30" RCP Inv. Out = 369.48
In Pl. 30" RCP

(05) In Pl. Curb Inlet
Rim = 381.66
10" RCP Inv. Out = 376.79
In Pl. 10" RCP

(06) In Pl. Grate Inlet
Rim = 378.39
12" Iron Pipe Inv. Out = 376.79
In Pl. 12" Iron Pipe

(07) In Pl. Conc. Headwall
12" CMP Inv. Out = 374.96
In Pl. 12" CMP

(08) In Pl. Curb Inlet
Rim = 379.10
15" CMP Inv. In = 374.81
15" CMP Inv. Out = 374.70
In Pl. 15" CMP / 15" HDPE Connects to Struc. 08; Pipe Material Changes

(09) In Pl. Storm Manhole
Rim = 379.59
12" RCP Inv. In = 376.65
15" HDPE Inv. In = 374.25
24" RCP Inv. Out = 374.17
In Pl. 24" RCP

(10) In Pl. Curb Inlet
Rim = 379.36
12" RCP Inv. Out = 377.10
In Pl. 12" RCP

(11) In Pl. Curb Inlet
Rim = 378.98
12" RCP Inv. Out = 377.20
In Pl. 12" RCP

(12) In Pl. Filterra Bioretention System
Top = 377.48

(13) In Pl. Curb Inlet
Rim = 377.32
15" RCP Inv. Out = 373.62
In Pl. 15" RCP

(14) In Pl. Storm Manhole
Rim = 376.94
24" RCP Inv. In = 373.22
15" RCP Inv. In = 373.34
24" RCP Inv. Out = 373.20
In Pl. 24" RCP

(15) In Pl. Curb Inlet
Rim = 377.36
21" RCP Inv. In = 372.81
15" RCP Inv. In = 372.84
24" RCP Inv. Out = 372.78
In Pl. 24" RCP

(16) In Pl. Filterra Bioretention System
Top = 377.89

(17) In Pl. Filterra Bioretention System
Top = 377.83

(18) In Pl. Curb Inlet
Rim = 380.17
15" CMP Inv. Out = 378.00
In Pl. 15" CMP

(19) In Pl. Grate Inlet
Rim = 378.85
10" RCP Inv. Out = 377.53
In Pl. 10" RCP

(20) In Pl. Storm Manhole
Rim = 379.73
10" RCP Inv. In = 376.73
15" RCP Inv. In = 376.78
15" RCP Inv. Out = 376.53

(21) In Pl. Curb Inlet
Rim = 379.78
15" HDPE Inv. In = 375.56
15" HDPE Inv. Out = 375.43
In Pl. 15" HDPE

(22) In Pl. Storm Manhole
Rim = 375.56
12" RCP Inv. In = 372.81
15" RCP Inv. Out = 370.81
In Pl. 15" RCP

(23) In Pl. Storm Manhole
Rim = 370.54
15" RCP Inv. In = 367.79
15" RCP Inv. Out = 365.54
In Pl. 15" RCP

(24) In Pl. Curb Inlet
Rim = 370.64
15" RCP Inv. In = 365.24
30" RCP Inv. In = 363.49
30" RCP Inv. Out = 363.39
In Pl. 30" RCP

(25) In Pl. Grate
Rim = 368.88
(Full of Debris)

(26) In Pl. Curb Inlet
Rim = 363.36
15" RCP Inv. Out = 357.30
In Pl. 15" RCP

(27) In Pl. Curb Inlet
Rim = 365.69
12" RCP Inv. In = 362.19
21" RCP Inv. In = 362.14
30" RCP Inv. In = 362.14
30" RCP Inv. Out = 361.99
In Pl. 30" RCP

SANITARY SEWER TABLE

(A) In Pl. Sanitary MH
Rim = 378.39
8" CIP Inv. In = 370.82
8" CIP Inv. Out = 370.74

(B) In Pl. Sanitary MH
Rim = 378.97
8" CIP Inv. In = 369.07
8" CIP Inv. Out = 369.05

(C) In Pl. Sanitary MH
Rim = 370.53
8" CIP Inv. In = 360.58
8" CIP Inv. Out = 360.53

(D) In Pl. Sanitary MH
Rim = 382.14
8" DIP Inv. In = 375.69
8" DIP Inv. Out = 375.59

(E) In Pl. Sanitary MH
Rim = 379.88
6" Clay Inv. In = 373.33
8" CIP Inv. Out = 373.18

(F) In Pl. Sanitary MH
Rim = 379.94
8" CIP Inv. In (W) = 373.07
8" CIP Inv. In (S) = 373.14
8" CIP Inv. Out = 373.04

(G) Sanitary MH (Paved Over)
Inaccessible - Location Per City of Fairfax GIS

(H) In Pl. Sanitary MH
Rim = 369.73
4" Unk. Inv. In (NW) = 366.88
4" Unk. Inv. In (NE) = 366.58
8" Unk. Inv. In = 366.63
8" Unk. Inv. Out = 366.38

(J) In Pl. Sanitary MH
Rim = 373.20
8" Unk. Inv. In = 366.05
8" Unk. Inv. Out = 365.95

(K) In Pl. Sanitary MH
Rim = 377.09
8" Unk. Inv. In (N) = 365.49
4" Unk. Inv. In (W) = 365.54
8" Unk. Inv. In (S) = 365.57
8" Unk. Inv. Out (E) = 365.44

CAFO — Fiber Optic Cable Television
CHEM — Chemical Line (above or below ground)
FO Duct — Underground Fiber Optic Duct
FUEL — Fuel Line (above or below ground)
G — Gas Line *
G Duct — Gas Line Duct
SAN — Gravity Sewer *
SFM — Sanitary Force Main *
TCFO — Traffic Control Fiber Optic
T/FO — Telephone Fiber Optic
FO — Underground Fiber Optic
Unk — Unknown Utility Line
E — Underground Power Cable
E Duct — Underground Power Cable Duct
T/Tg — Underground Telephone Cable
T/Tg Duct — Underground Telephone Cable Duct
TC — Underground Traffic Control
TC Duct — Underground Traffic Control Duct
CATV — Underground Television Cable
CATV Duct — Underground Television Cable Duct
VS — Vacuum Sewer
W — Water Line *
W Duct — Water Line Duct
Unk — ○ Depicted According To Utility Records **
Unk — ◇ Abandoned According To Utility Records **
Unk — ⧖ According To Miss Utility Information **
* Designate size (Variable from 0. 75" to 54")
** Designate type (Unknown line is shown)

SURVEY NOTES:

1. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF JOHN H. GENTHNER FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE ORIGINAL DATA WAS OBTAINED BETWEEN APRIL 17, 2018 AND AUGUST 3, 2020.

   TOPOGRAPHICAL FIELDWORK WAS COMPLETED AUGUST 3, 2020.

   BASIS OF MERIDIAN: VIRGINIA STATE COORDINATE SYSTEM NAD83

   BASIS OF DATUM: NGVD 29

2. SUBSURFACE UTILITIES SHOWN HEREON WERE LOCATED IN FEBRUARY 2018 AND JULY 2020, PURSUANT TO AN ASCE 38-02 QUALITY LEVEL B SUBSURFACE UTILITY INVESTIGATION PERFORMED BY THIS FIRM, EXCEPT AS NOTED.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
4. THE BOUNDARY AND RIGHT OF WAY INFORMATION SHOWN HEREON ARE BASED ON THE CURRENT LEGAL DESCRIPTIONS OF RECORD, EXCEPT AS NOTED. EASEMENTS AND RIGHT OF WAY DEDICATIONS MAY EXIST WHICH ARE NOT REFLECTED HEREON.
5. DATUM AND MERIDIAN WERE ESTABLISHED BY REAL TIME KINETIC GPS OBSERVATIONS (LEICA SMARTNET).

UTILITY DESIGNATION NOTES

EOI - END OF INFORMATION FOR CONDUCTIVE UTILITY FIELD SIGNALS.

QLD - QUALITY LEVEL D CLASSIFICATION FOR THE APPROXIMATE LOCATION SHOWN BASED ON EXISTING REFERENCE MAPS / AS-BUILTS AND CAD DRAWINGS.

UTILITY OWNERS:

- DOMINION POWER - CHRISTINE JULIANO - (703) 431-6559
- CITY OF FAIRFAX WATER - ROBERT COTTON - RCOTTEN@FAIRFAXWATER.ORG
- WASHINGTON NATURAL GAS - ROGER GAULT - (703) 750-4285
- ZAYO COMMUNICATIONS - BRAD LEATHERMAN - (703) 928-0649
- FIBERLIGHT COMMUNICATIONS - PETE ZDEBSKI - (443) 509-4658
- MCI - ADAM RICE - (571) 220-8978
- COX COMMUNICATIONS - THOMAS PORTER - (703) 480-2815
- AT & T COMMUNICATIONS - CRYSTAL BALWINSKI - (703) 444-3060
- VERIZON - SCOTT SISK - (703) 694-6530

UTILITY LEGEND

EB	Electric Box	TB	Telephone Booth
	Electric Guy Pole		Telephone Guy Pole
	Electric Ground Light		Telephone Guy Wire
	Electric Guy Wire		Test Holes (All Utilities)
E	Electric Hand Hole		Telephone Cell Tower
	Electric Meter	T	Telephone Hand Hole
E	Electric Manhole	T	Telephone Manhole
	Electric Marker Post		Telephone Marker Post
E	Electric Pedestal		Telephone Pole
	Electric Stub	T	Telephone Pedestal
	Electric Power Pole		Telephone Riser Pole
	Electric Power Riser Pole		Television Satellite Dish
	Electric Light Pole		Tower Anchor
	Electric Luminaire		Traffic Camera Pole
	End of Information (All Utilities)	TC	Traffic Control Hand Hole
	Fire Hydrant	TC	Traffic Control Manhole
F	Fiber Optic Hand Hole		Traffic Control Guy Wire
	Fiber Optic Marker	TC	Traffic Control Pedestal
FO	Fiber Optic Manhole		Traffic Signal Guy Pole
FO	Fiber Optic Pedestal		Traffic Signal Pole
	Gas Meter		Traffic Signal Pole w/Luminaire
G	Gas Manhole		Telephone Stub
	Gas Marker Post	TV	Television Hand Hole
MW	Gas Monitoring Well	TV	Television Manhole
	Gas Stub		Television Marker Post
	Gas Test Station	TV	Television Pedestal
	Gas Valve		Television Stub
	Gas Vent		Water Blow Off
	Gas Well	W	Water Well
	Sanitary Air Release Valve		Water Meter
	Sanitary Flow Arrow	WM	Water Manhole
	Sanitary Stub		Water Marker Post
	Sewer Clean Out		Water Spigot
	Sanitary Force Main Valve		Water Siamese Connection
	Sanitary Marker Post		Water Stub
S	Sanitary Manhole		Water Valve
	Sewer Vent Pipe		Water Post Inspection Valve
	Unknown Clean Out		Water Irrigation Valve
U	Unknown Hand Hole	ST	Water Steam Manhole
UK	Unknown Manhole		Water Steam Vent Pipe

PLANIMETRIC LEGEND

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

EXISTING RIGHT-OF-WAY DATA TABLES

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA	CHORD BEARING	CHORD
(C1)	25.00'	39.27'	25.00'	90°00'00"	N48°37'24"E	35.36'
(C2)	1000.00'	38.40'	19.20'	2°12'00"	N4°26'03"E	38.39'
(C3)	25.58'	52.81'	42.81'	118°16'07"	N56°33'26"W	43.92'
(C4)	5333.16'	208.30'	104.17'	2°14'16"	N64°27'08"E	208.29'
(C5)	3521.50'	72.65'	36.33'	1°10'55"	S65°53'38"W	72.65'

RIGHT-OF-WAY NOTES:

RW Note 1:
RIGHT OF WAY LOCATION SHOWN IS BASED ON LIMITED FIELD EVIDENCE. LOCATION MAY CHANGE IF ADDITIONAL INFORMATION (SITE PLANS, ETC.) IS PROVIDED.

RW Note 2:
IRON PIPE FOUND LOCATED IN 2018, DESTROYED BY RECENT CONSTRUCTION.

RW Note 3:
R/W LINE LOCATION BASED ON FIELD EVIDENCE.

RW Note 4:
R/W CORNER LOCATION PER D.B. 24452, PG. 219 (COORDINATES).

RW Note 5:
R/W LINE LOCATION PER D.B. 24452 PG. 219.

RW Note 6:
R/W CORNER BASED ON FIELD EVIDENCE.

RW Note 7:
R/W CORNER LOCATION PER D.B. 24452, PG. 219 (COORDINATES).

RW Note 8:
APPROX. R/W LINE LOCATION PER PROJECT 0029-151-105.

TREE TABLE

T01	7" Deciduous
T02	4" Deciduous
T03	4" Deciduous
T04	4" Deciduous
T05	7" Deciduous
T06	4" Deciduous
T07	4" Deciduous
T08	4" Deciduous
T09	4" Deciduous
T10	4" Deciduous
T11	4" Deciduous
T12	3" Deciduous
T13	3" Deciduous
T14	4" Deciduous
T15	3" Deciduous
T16	3" Deciduous
T17	4" Deciduous
T18	3" Deciduous
T19	4" Deciduous
T20	4" Deciduous
T21	4" Deciduous
T22	4" Deciduous
T23	4" Deciduous
T24	7" Deciduous
T25	7" Deciduous

LINE TABLE

LINE	BEARING	LENGTH
(L1)	N62°38'23"E	38.35'
(L2)	N62°38'23"E	31.99'
(L3)	N62°59'03"E	60.80'
(L4)	S74°18'01"E	34.18'
(L5)	S86°27'15"E	50.00'
(L6)	N3°37'24"E	10.23'
(L7)	S85°16'36"E	9.33'
(L8)	S15°08'48"W	10.88'
(L9)	N27°18'22"W	18.03'
(L10)	N86°26'03"W	46.95'
(L11)	N68°22'39"E	85.11'
(L12)	N64°29'18"E	69.50'
(L13)	N63°36'03"E	100.00'
(L14)	N62°36'40"E	139.87'
(L15)	N80°57'18"E	2.54'
(L16)	S15°08'48"W	4.66'
(L17)	N64°52'18"E	377.32'

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 1F(3)

9/29/2023
4:45:52 PM

dll554501Glx.dgn
Plotted By: kyler1blet

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

DEMOLITION PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1G(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

001
M SQUARED, LLC
D.B. 19087, PG. 117
PIN 57 1 02 110
1. 191 Ac.

008
SHOPS AT FAIRFAX, LLC
D.B. 23999, PG. 378
PIN 57 1 02 062 A
5. 047 Ac.

002
BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 1
PIN 57 2 02 006
1.860 Ac. (FROM RECORD)

002
BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 2
PIN 57 2 02 006
0.481 Ac. (FROM RECORD)

002
BRANCH AVENUE ASSOCIATES, LLC
D.B. Y-11, PG. 497
PIN 57 2 02 006
1.774 Ac. (FROM RECORD)

003
SAGAAR LLC
D.B. 25200, PG. 2180
PIN 57 2 02 083
0. 296 Ac.

004
MGB PROPERTIES II, LLC
D.B. 16570, PG. 282
PIN 57 2 02 082
0. 817 Ac.

005
KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

007
KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

CATHOLIC DIOCESE OF ARLINGTON
D.B. 5784, PG. 1821
PIN 57 1 02 112
16. 099 Ac.

ADAM D. DULL AND STEPHANIE A. DULL
D.B. 25077, PG. 267
PIN 57 2 02 088
0. 459 Ac.

1-Story Frame commercial #10620
2-Sty. Frame Retail #10655 #10657
2-Sty. Stucco Commercial #10641
Overhang 1.5-Story Frame Commercial #10595

REMOVE R5-2 AND "NO TEST DRIVING" SIGN
REMOVE EXIST. 12" RCP
REMOVE R10-11
REMOVE R2-1 AND MOD. R7-107L
EXIST. BUS STOP SHALL REMAIN ACCESSIBLE THROUGHOUT CONSTRUCTION
REMOVE TREES (3)
REMOVE SIGNAL POLE
REMOVE EXIST. 15" RCP
REMOVE EXIST. INLET
REMOVE SCHOOL ZONE SPEED LIMIT SIGN
RELOCATE "METROBUS" SIGN ON NEW STP-1. EXIST. BUS STOP SHALL REMAIN ACCESSIBLE, RELOCATED AS NECESSARY, THROUGHOUT CONSTRUCTION
REMOVE EXISTING MANHOLE
REMOVE S5-2 SIGN
REMOVE R5-2
REMOVE & SALVAGE BASKIN ROBBINS / CORNER COFFEE HOUSE SIGN. RELOCATE ON NEW FOUNDATION AS SHOWN ON SHEET 8(5). DEMOLISH EXIST. CONC. FOUNDATION
NOTE: PRIVATE UTILITIES IN CONFLICT WITH PLAN SHALL BE MOVED BY OTHERS PRIOR TO CONSTRUCTION
DO NOT DISTURB " NO PARKING ANY TIME" SIGN
REMOVE R10-7
SALVAGE "CUE BUS STOP" SIGN
REMOVE TREE (1)
SALVAGE EX. STREET NAME SIGNS
REMOVE BOLLARD FOR CONCRETE FOUNDATION
REMOVE MOD. R7-107
REMOVE MOD. R7-107R
REMOVE R2-1
DO NOT DISTURB
REMOVE TREES (2)
REMOVE EXIST. INLET
REMOVE R10-11 AND R5-2
REMOVE EXIST. 15" CMP
REMOVE MOD. R7-107

MATCHLINE SHEET 1G(2) - STA. 32+00.00

MATCHLINE SHEET 1G(2) - STA. 106+00.00

UTILITY OWNERS:
- DOMINION POWER - CHRISTINE JULIANO - (703) 431-6559
- CITY OF FAIRFAX WATER - ROBERT COTTON - RCOTTEN@FAIRFAXWATER.ORG
- WASHINGTON NATURAL GAS - ROGER GAULT - (703) 750-4285
- ZAYO COMMUNICATIONS - BRAD LEATHERMAN - (703) 928-0649
- FIBERLIGHT COMMUNICATIONS - PETE ZDEBSKI - (443) 509-4658
- MCI - ADAM RICE - (571) 220-8978
- COX COMMUNICATIONS - THOMAS PORTER - (703) 480-2815
- AT & T COMMUNICATIONS - CRYSTAL BALWINSKI - (703) 444-3060
- VERIZON - SCOTT SISK - (703) 694-6530

LEGEND
Denotes Demolition of Pavement & Concrete

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	1G(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

DEMOLITION PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1G(1) - STA. 106+00.00

MATCHLINE SHEET 1G(1) - STA. 32+00.00

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 009
3.8795 Ac.

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 010
3.8795 Ac.

GLASCOCK & SONS, LP
PIN 57 2 02 014
0. 321 Ac.

GLASCOCK & SONS, LP
D.B. 9172, Pg. 571
PIN 57 2 02 015
0. 928 Ac.

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

KBR FAIRFAX L.L.C.
D.B. 25821, PG. 1910
PIN 57 2 02 077
0. 2870 Ac.

LARRY C. MILLER
D.B. 16847, PG. 2034
PIN 57 2 02 073 A
1. 269 Ac.

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

ROBERT P. MILLER AND LARRY C. MILLER
D.B. 9351, PG. 1801
PIN 57 2 02 076 A
0. 318 Ac.

WILLIAM M. ROCABADO
D.B. 22304, PG. 969
PIN 57 2 02 112
0. 344 Ac.

DINH NGUYEN AND LY VU
D.B. 12895, PG. 956
PIN 57 2 02 114
0. 398 Ac.

PARTIALLY DEMOLISH EXIST. RAMP
REMOVE R14-1, M6-6L, M3-1, M3-2, 2x M1-4, AND 2x M6-3
REMOVE R3-2 AND R6-1R
REMOVE R3-4
REMOVE TREE
REMOVE M3-1, M4-5, M3-3, 2x M1-V1c, M1-1, 2x M5-1L, AND M5-1R
PARTIALLY DEMOLISH EXIST. RAMP
REMOVE R2-1
REMOVE STREET NAME SIGNS
REMOVE LIGHT POLE
REMOVE R1-1
REMOVE EX. PRIVATE PARKING SIGNS
REMOVE MOD. R7-107
REMOVE R1-1
REMOVE MOD. R7-107L
REMOVE MOD. W2-8 AND W13-1P
REMOVE TREE (1)
REMOVE MOD. R7-107
RELOCATE HYDRANT
REMOVE TREE
REMOVE R14-1
DEMOLISH EXIST. DUMPSTER PAD
REMOVE MOD. R7-107L
REMOVE MOD. R7-107R
REMOVE EXIST. CONC. ENTRANCE
REMOVE MOD. R7-107L

Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219
Ex. Storm Drainage Esmt. D.B. 24452, Pg. 219
Ex. Ingress-Egress Esmt. D.B. 6341, Pg. 670

NOTE: PRIVATE UTILITIES IN CONFLICT WITH PLAN SHALL BE MOVED BY OTHERS PRIOR TO CONSTRUCTION

UTILITY OWNERS:

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- CITY OF FAIRFAX WATER - ROBERT COTTON - RCOTTEN@FAIRFAXWATER.ORG
- WASHINGTON NATURAL GAS - ROGER GAULT - (703) 750-4285
- ZAYO COMMUNICATIONS - BRAD LEATHERMAN - (703) 928-0649
- FIBERLIGHT COMMUNICATIONS - PETE ZDEBSKI - (443) 509-4658
- MCI - ADAM RICE - (571) 220-8978
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- AT & T COMMUNICATIONS - CRYSTAL BALWINSKI - (703) 444-3060
- VERIZON - SCOTT SISK - (703) 694-6530

LEGEND

Denotes Demolition of Pavement & Concrete

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	1G(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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TRANSPORTATION MANAGEMENT PLAN

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

GENERAL

1. This project is classified as Type A.
2. The project length is approximately 0.20 miles along US Route 50 (Fairfax Boulevard) and various lengths to tie-in to existing conditions along McLean Avenue, Warwick Avenue, and Farr Avenue. The width of the work zone varies from 20' to 60', with the wider sections being in locations with full closures.
3. The purpose of this project is to install a new signal at the intersection of Fairfax Boulevard and Farr Avenue and to replace the existing signal at the intersection of Fairfax Boulevard, Warwick Avenue, and McLean Avenue and reconfigure the various approaches to convert the six legged intersection to a four-legged intersection with two unsignalized right-in right-out intersections. Along Fairfax Boulevard, a shared use path will be installed and along all of the side streets sidewalk will be installed. New storm sewer facilities will be added to improve drainage in the project area.
4. Traffic along these roads consists primarily of commuters and local residents with only 1% - 2% truck traffic.
5. The existing speed limit for Fairfax Boulevard is 35 mph. The speed limit of all other streets is 25 mph. All existing speed limits shall 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 - Revision 2.1. The following temporary traffic measures shall be used.

   6.1. Stationary Operation on a Shoulder (Figure TTC-4.2)
   6.2. Shoulder Operation with Minor Encroachment (Figure TTC-5.2)
   6.3. Outside Lane Closure on a Four-Lane Roadway (Figure TTC-16.2)
   6.4. Inside Lane Closure on a Four-Lane Roadway (Figure TTC-17.2)
   6.5. Center Turn Lane Closure Operation (Figure TTC-21.1)
   6.6. Turn Lane Closure Operation (Figure TTC-29.2)
   6.7. Sidewalk Closure and Bypass Sidewalk Operations (Figure TTC-35.1)
   6.8. Crosswalk Closure and Pedestrian Detour Operation (Figure TTC-36.2)
   6.9. Road Closure Operation with a Detour (Figure TTC-48.2)
   6.10. Signing for Project Limits (Figure TTC-53.0)
   6.11. Eradication of Pavement Markings in a Work Zone (Figure TTC-55.1).

7. All dimensions shown for sign placement shall be provided to the maximum extent praticial as 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 all directions with the exception of during full road closure operations (Phase 7), where road closures shall be per plan. See the "General Notes" portion of this plan sheet for more information.
9. Access to all adjacent properties shall be maintained at all times. Contractor shall ensure a safe and well-defined access route is available to residents during road closure operations.

PUBLIC COMMUNICATION PLAN

10. When any major traffic changes are to take place (detours, 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 inform the "Northern Region Operation Traffic Operations Center" (NROTOC) when an impact to the existing traffic pattern is implemented, (such as a lane closure or a road closure/detour) and again when it is removed. The RTOC will in turn place the information into the "511 VIRGINIA" traffic alert system (a service of the Virginia Department of Transportation Traffic System). The contractor shall be responsible for updating the Lane Closure Advisory Management System (LCAMS) for all lane closures.
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 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. In case of emergency, call 911.

    The following is a list of contact numbers:

    Fire: 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 Affiars: Jenni McCord, 703-259-1779
    VDOT Northern Vriginia Distrct: 800-367-7623
    District Work Zone Safety Coordination: Brian Fry, 703-259-2394
    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, 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.

GENERAL NOTES

1. Any required lane and/or road closures must be approved in advance by the City of Fairfax Transportation Department.
2. Traffic shall not be stopped on Fairfax Boulevard (Route 29) or any side streets for longer than five minutes at any time unless otherwise approved by the city.
3. All areas excavated deeper than two inches (2") below existing pavement surface and within the clear zone, at the conclusion of each workday, shall be backfilled to form an approximate 6:1 wedge against the 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.
4. Lane closures will not be permitted on holidays or weekends unless otherwise approved in advanced by the Director of Public Works.
5. 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.
6. 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 disturbed, the contractor will notify all affected residents and/or buisnesses 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.
7. The final surface course is not to be placed until such time permanent pavement markings can be placed.
8. All traffic control shall be set up and spaced according to the Virginia Work Area Protection Manual, 2011 Edition - Revision 2.1.
9. The Contractor shall provide additional traffic control as directed by the city and/or VDOT, should field conditions warrant.
10. The Contractor shall maintain minimum lane widths of 10' during construction. Any temporary pavement markings that are required are the responsibility of the Contractor.
11. The Contractor is responsible for placement and maintenance of all temporary pavement markings that are required or implied in the construction sequencing. 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 maintained Right-of-Way. All traffic control shall be in strict accordance with the standards, guidelines, policies, and objectives of the latest edition of the Virginia Work Area Protection Manual, Manual for Uniform Traffic Control Devices (MUTCD), and all city or VDOT permits.
12. At no time shall construction take place on both the right and left sides of vehicles unless specified by the city and/or VDOT.
15. All construction materials and equipment shall b estored off-site or outside of Fairfax Boulevard and side street clear zone/sight distance restrictive areas.
16. Emergency vehicle, bus (including Metrobus routes), and mail routes shall be maintained at all times.

SEQUENCE OF CONSTRUCTION

The following sequence of construction is a recommendation provided by the engineer. The contractor shall be responsible for obtaining approval from the city and/or VDOT 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 contractor may elect to combine phases with prior approval from the city and/or VDOT. Pedestrian access shall be maintained through TTC 35.2 and TTC 36.1, as prescribed in the general notes through the use of Group II channelizing devices and proper signage.

Phase 1 Construction consists of median work along Fairfax Boulevard to replace the existing median with asphalt and install proposed median curb east of Farr Avenue, and installation of signal equipment and curb ramps on the north side of Fairfax Boulevard.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2 and TTC-21.1, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor shall also utilize TTC-16.2 and TTC-17.2 for short durations during installation of storm sewer crossings.

Phase 2 Construction consists of work on the southeast corner of Fairfax Boulevard and Farr Avenue, the east side of Farr Avenue, and the north side of Warwick Avenue east of Farr Avenue, including traffic signal equipment and storm sewer improvements. Farr Avenue northbound will be closed but the southbound direction of traffic and all access points must be maintained at all times. During installation of the storm sewer pipe within the existing travel lane of Fairfax Boulevard, the contractor shall maintain traffic according to TTC-16.2.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2 and TTC-21.1, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-16.2 outside of peak hours.

SEQUENCE OF CONSTRUCTION (Cont'd)

Phase 3 Construction consists of work on the west side of Farr Avenue, including traffic signal equipment and storm sewer improvements. Farr Avenue northbound will be closed but the southbound direction of traffic and all access points must be maintained at all times. Upon completion of the phase, the signal shall be activated.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2 and TTC-21.1, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-16.2 outside of peak hours.

Phase 4 Construction consists of work on the north side of Warwick Avenue south of Fairfax Boulevard and along the south side of Fairfax Boulevard, and on the southwest corner of the intersection of Fairfax Boulevard, McLean Avenue, and Warwick Avenue. Warwick Avenue northbound will be closed but the southbound direction of traffic and all access points must be maintained at all times. The signal heads for Warwick Avenue northbound shall be bagged.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-16.2 outside of peak hours.

Phase 5 Construction consists of work on the south side of Fairfax Boulevard and the south side of Warwick Avenue. Warwick Avenue northbound will be closed but the southbound direction of traffic and all access points must be maintained at all times. See sheet 1H(2A) for a recommended detour to complete work along McLean Avenue.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-16.2 outside of peak hours.

Phase 6 Construction consists of work on the northwest corner of Fairfax Boulevard, McLean Avenue, and Warwick Avenue. Work shall install as much new pavement as possible without impacting existing signal equipment.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-16.2 outside of peak hours.

Phase 7 Construction consists of work on the northern leg of McLean Avenue. A full detour of McLean Avenue is anticipated for this phase per sheet 1H(2B). Upon completion of the detour, the proposed signal shall be activated and existing signal equipment shall be removed. Final tie-in work at the northwest corner of Fairfax Boulevard, McLean Avenue, and Warwick Avenue shall occur at this point. See sheet 1H(2B) for a recommended detour to complete work along McLean Avenue.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-16.2 outside of peak hours.

Phase 8 Construction consists of Fairfax Boulevard median work between the two signals, including installation of curb and pavement markings. At the end of the phase, the final pavement surface and all permanent pavement markings and signage shall be in place.

Traffic shall be maintained according to TTC-4.2 and/or TTC-5.2 and TTC-21.1, as prescribed in the general notes through the use of Group II channelizing devices and proper signage. As necessary, the contractor may also utilize TTC-17.2 outside of peak hours.

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(2A)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

SCALE 1"=125'
0' 125' 250'

Southbound traffic shall be maintained along McLean Ave. Road will be closed for Nortbound movements along Mclean Ave.

ROAD CLOSED R11-2

ROAD CLOSED 500 FT W20-3

ROAD CLOSED TO THRU TRAFFIC R11-4

M4-10R DETOUR

Type 3 Barricade

DETOUR AHEAD W20-2

END DETOUR M4-8

DETOUR M4-8 30" X 15"
NORTH M3-1 36" X 18"
MCLEAN AVE M4-VP1a Var. X 18"
M6-1(V) 30" X 21"

DETOUR M4-8 30" X 15"
NORTH M3-1 36" X 18"
MCLEAN AVE M4-VP1a Var. X 18"
M5-1L(V) 30" X 21"

DETOUR M4-8 30" X 15"
NORTH M3-1 36" X 18"
MCLEAN AVE M4-VP1a Var. X 18"
M6-3(V) 30" X 21"

MCLEAN AVE NORTH DETOUR

MCLEAN AVE NORTH DETOUR

MCLEAN AVE NORTH DETOUR

DETOUR AHEAD W20-2

Fairfax Blvd
Warwick Ave
McLean Ave
McLean Avenue
Cedar Ave
Chain Bridge Rd
Keith Ave

MAINTENANCE OF TRAFFIC LEGEND

- *Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)*
- *Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)*
- *Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing*

SCALE 0 125' 250'

PROJECT	SHEET NO.
0050-151-225	1H(2A)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(2B)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

SCALE 1"=125'
0' 125' 250'

Orchard St
Scott Dr
Warwick Ave
Burrows Ave
McLean Ave
Fairfax Blvd
Chain Bridge Rd

M4-10R DETOUR
R11-4 ROAD CLOSED TO THRU TRAFFIC
DETOUR SOUTH MCLEAN AVE
END DETOUR
DETOUR M4-8 30" X 15"
NORTH M3-1 36" X 18"
MCLEAN AVE M4-VP1a Var. X 18"
M6-1(V) 30" X 21"
M5-1R(V) 30" X 21"
MCLEAN AVE SOUTH DETOUR
DETOUR NORTH MCLEAN AVE
DETOUR AHEAD W20-2
M5-1L(V) 30" X 21"
M6-1(V) 30" X 21"
M4-8a
ROAD CLOSED R11-2
DETOUR M4-10L
ROAD CLOSED

MAINTENANCE OF TRAFFIC LEGEND

- *Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)*
- *Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)*
- *Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing*

SCALE	PROJECT	SHEET NO.
0 125' 250'	0050-151-225	1H(2B)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
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SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

END ROAD WORK
G20-2 (V)
48" x 24"

500' MIN.

250' MIN.

ROAD WORK AHEAD
W20-1
48" x 48"

CENTER LANE CLOSED AHEAD
W9-3C
48" x 48"

250' BUFFER

FAIRFAX BLVD.
US HWY 29/50
VARIABLE WIDTH RIGHT OF WAY

WARWICK AVE
VARIABLE WIDTH RIGHT OF WAY

MCLEAN ST.
VARIABLE WIDTH RIGHT OF WAY

MCLEAN AVE.
VARIABLE WIDTH RIGHT OF WAY

PROP. TEMPORARY CONSTR. EASEMENT
PROP. R/W
Ex. R/W
RW Note 1
CATV Ped. (Cox)
Asphalt
Asph. Curb
Gravel
Conc.
Speed Bump
Brick
Underg CATV
DEB

MATCHLINE SHEET 1H(4) - STA. 106+00.00

MATCHLINE SHEET 1H(4) - STA. 32+00.00

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(4)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(3) - STA. 106+00.00

MATCHLINE SHEET 1H(3) - STA. 32+00.00

INSTALL CURB RAMPS AT START OF PHASE. BARRICADE UPON COMPLETION.

INSTALL PIPE THROUGH LANE CLOSURES DURING NON-PEAK HOURS PER TTC-16.2 AND TTC-17.2

INSTALL MEDIAN AND LEFT TURN LANE EAST OF PROPOSED INTERSECTION

Ex. R/W

RW Note 8

PROP. R/W

PROP. TEMPORARY CONSTR. EASEMENT

250' BUFFER

10' MIN.

11' 11'

RW Note 2
RW Note 4
RW Note 3
RW Note 5
RW Note 6
RW Note 7

PROP. R/W

RW Note 3
RW Note 5

RW Note 8
RW Note 3

250' BUFFER

250' MIN.

500' MIN.

LEFT SHOULDER CLOSED
W21-5aL
48" x 48"

LEFT SHOULDER CLOSED AHEAD
W21-5bL
48" x 48"

ROAD WORK AHEAD
W20-1
48" x 48"

END ROAD WORK
G20-2 (V)
48" x 24"

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE 0 30' 60'

PROJECT	SHEET NO.
0050-151-225	1H(4)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PHASE 2

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(5)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(6) - STA. 106+00.00

MATCHLINE SHEET 1H(6) - STA. 32+00.00

END ROAD WORK
G20-2 (V)
48" x 24"

500' MIN.

250' MIN.
250' MIN.
250' MIN.
50' TRANSITION (2' OFFSET @ 35 MPH)
250'

ROAD WORK AHEAD
W20-1
48" x 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5bR
48" x 48"

RIGHT SHOULDER CLOSED
W21-5aR
48" x 48"

W1-4bL
48" x 48"

W1-4bR
48" x 48"

R3-2
36" x 36"

INSTALL TEMPORARY PAVEMENT MARKINGS PRIOR TO INSTALLING MOT MEASURES FOR PHASE 2

RW Note 1

FAIRFAX BLVD.
US HWY 29/50
VARIABLE WIDTH RIGHT OF WAY

WARWICK AVE
VARIABLE WIDTH RIGHT OF WAY

MCLEAN AVE
VARIABLE WIDTH RIGHT OF WAY

10' MIN.
12'
13'
11'
10' MIN.

PROP. TEMPORARY CONSTR. EASEMENT
PROP. R/W
Ex. R/W
Ex. 10' Waterline Esmt. D.B. 20076 Pg. 2062
Approx. Loc. Ex. 15' Storm Esmt. D.B. 20076 Pg. 2062
Ex. 15' Storm Esmt. D.B. 3598 Pg. 631
Waterline Esmt. Pg. 2183
D.B. 20076 Pg. 2062
Asphalt
Asph. Curb
Gravel
Concr.
Speed Bump
Brick
(OLD DATA)
(Per Fairfax County GIS)

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(5)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PHASE 2

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(6)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(5) - STA. 106+00.00

MATCHLINE SHEET 1H(5) - STA. 32+00.00

INSTALL TEMPORARY PAVEMENT MARKINGS PRIOR TO INSTALLING MOT MEASURES FOR PHASE 2

INSTALL TEMPORARY PAVEMENT MARKINGS PRIOR TO INSTALLING MOT MEASURES FOR PHASE 2

PROP. TEMPORARY CONSTR. EASEMENT

PROP. R/W

Ex. R/W

Asphalt

RW Note 2

RW Note 3

RW Note 5

RW Note 6

RW Note 8

Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219

Ex. Storm Drainage Esmt. D.B. 24452, Pg. 219

Ex. Ingress-Egress Esmt. D.B. 6341, Pg. 670

11' 11' 11'

11' 10'

11' MIN.

20' MIN.

R3-1 30" x 30"

R5-1 30" x 30"

DO NOT ENTER

R3-2 30" x 30"

R1-1 & R3-1 30" x 30"

R1-1 & R3-2 30" x 30"

STOP

INSTALL R3-27 BELOW EXISTING STOP SIGN 30" x 30"

CONTRACTOR TO INSTALL PIPE EAST OF FARR AVENUE WITH OFF-PEAK LANE CLOSURES PER TTC-16.2

250' BUFFER

250' MIN.

250' MIN.

250' MIN.

500' MIN.

LEFT SHOULDER CLOSED
W21-5aL 48" x 48"

LEFT SHOULDER CLOSED AHEAD
W21-5bL 48" x 48"

ROAD WORK AHEAD
W20-1 48" x 48"

END ROAD WORK
G20-2 (V) 48" x 24"

60' TRANSITION (5' OFFSET) @ 45 MPH (NOT TO SCALE)

40' BUFFER (NOT TO SCALE)

500' MIN.

RIGHT SHOULDER CLOSED
W21-5aR 48" x 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5bR 48" x 48"

ROAD WORK AHEAD
W20-1 48" x 48"

100' MIN.

100' MIN.

100' MIN.

END ROAD WORK
G20-2 (V) 48" x 24"

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE 0 30' 60'

PROJECT	SHEET NO.
0050-151-225	1H(6)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PHASE 3

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(7)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(8) - STA. 106+00.00

MATCHLINE SHEET 1H(8) - STA. 32+00.00

END ROAD WORK
G20-2 (V)
48" x 24"

500' MIN.

250' MIN.

250' MIN.

250' MIN.

50' TRANSITION (2' OFFSET @ 35 MPH)

250' BUFFER

ROAD WORK AHEAD
W20-1
48" x 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5bR
48" x 48"

RIGHT SHOULDER CLOSED
W21-5aR
48" x 48"

W1-4bL
48" x 48"

R3-2
36" x 36"

W1-4bR
48" x 48"

FAIRFAX BLVD.
US HWY 29/50
VARIABLE WIDTH RIGHT OF WAY

WARWICK AVE
VARIABLE WIDTH RIGHT OF WAY

McLEAN AVE.
VARIABLE WIDTH RIGHT OF WAY

PROP. TEMPORARY CONSTR. EASEMENT

PROP. R/W

Ex. R/W

RW Note 1

Ex. 10' Waterline Esmt. D.B. 20076 Pg. 2062

Approx. Loc. Ex. 15' Storm Esmt. D.B. 20076 Pg. 2062

Ex. 15' Storm Esmt. D.B. 3598 Pg. 631

Ex. 10' Waterline Esmt. D.B. 2183 Pg. 2183

D.B. 20076 Pg. 2062

Asphalt
Asph. Curb
Gravel
Concr.
Speed Bump
Brick
(OLD DATA) (Per Fairfax County GIS)

10' MIN.
11'
12'
13'

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(7)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

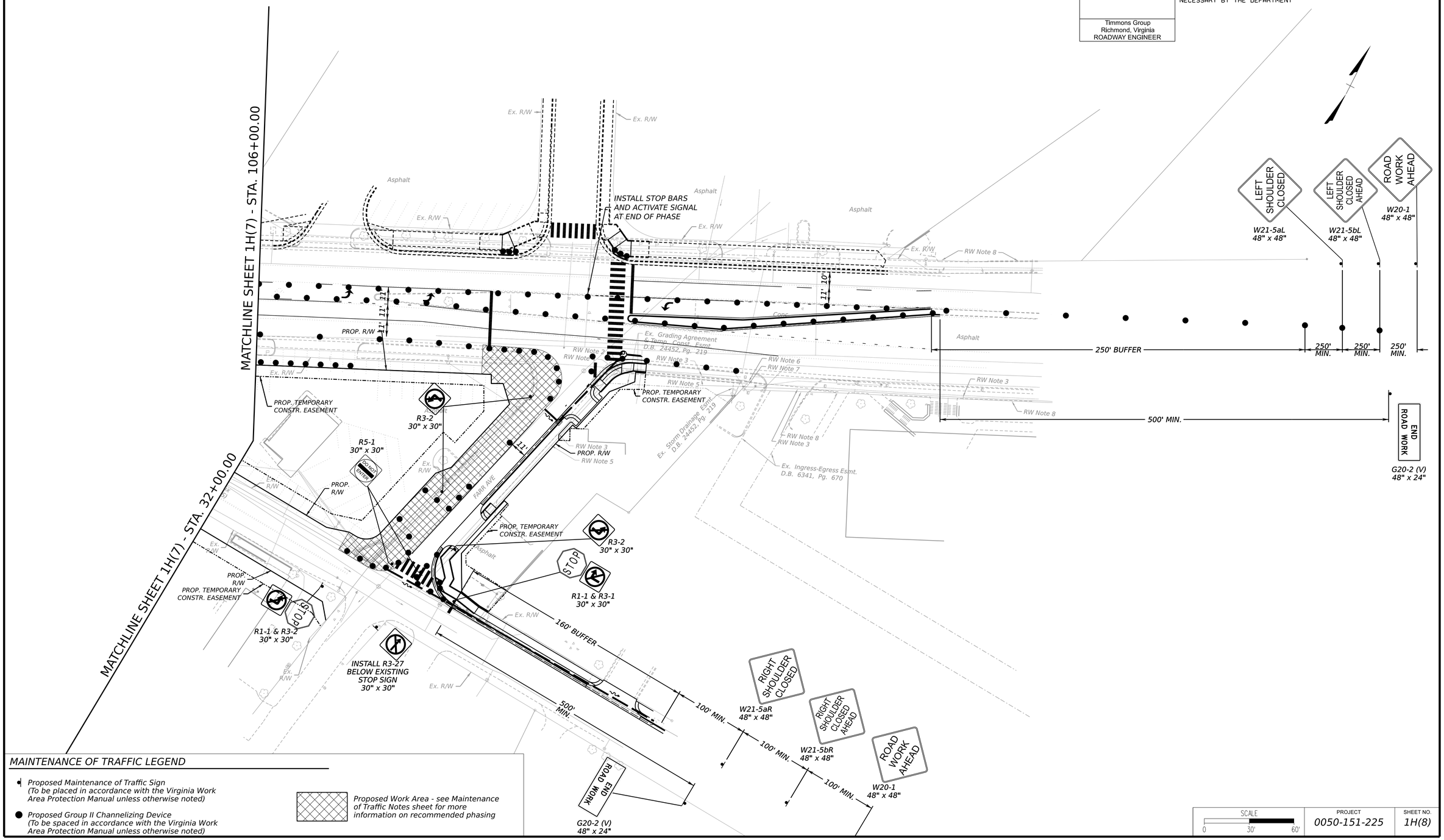
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PHASE 3

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(8)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(8)

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(9)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

PHASE 1

MATCHLINE SHEET 1H(10) - STA. 106+00.00

MATCHLINE SHEET 1H(10) - STA. 32+00.00

WARWICK AVE
VARIABLE WIDTH RIGHT OF WAY

MCLEAN AVE
VARIABLE WIDTH RIGHT OF WAY

FAIRFAX BLVD.
US HWY 29/50
VARIABLE WIDTH RIGHT OF WAY

END ROAD WORK
G20-2 (V)
48" x 24"

500' MIN.

250' MIN.

250' MIN.

250' MIN.

50' TRANSITION
(2' OFFSET
@ 35 MPH)

250' BUFFER

ROAD WORK AHEAD
W20-1
48" x 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5bR
48" x 48"

RIGHT SHOULDER CLOSED
W21-5aR
48" x 48"

W1-4bL
48" x 48"

W1-4bR
48" x 48"

R3-2
30" x 30"

R3-1
30" x 30"

PROP. TEMPORARY CONSTR. EASEMENT

PROP. R/W

PROP. R/W
PROP. TEMPORARY CONSTR. EASEMENT

Ex. R/W

Ex. 10' Waterline Esmt. D.B. 20076 Pg. 2062

Approx. Loc. Ex. 15' Storm Esmt. D.B. 20076 Pg 2062

Ex. 15' Storm Esmt. D.B. 3598 Pg. 631

Waterline Esmt. Pg. 2183

D.B. 20076 Pg. 2062

RW Note 1

Asphalt
Asph. Curb
Gravel
Concrete
Brick
Speed Bump

10' MIN.
12' MIN.
13'
11'
20'

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)

Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(9)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

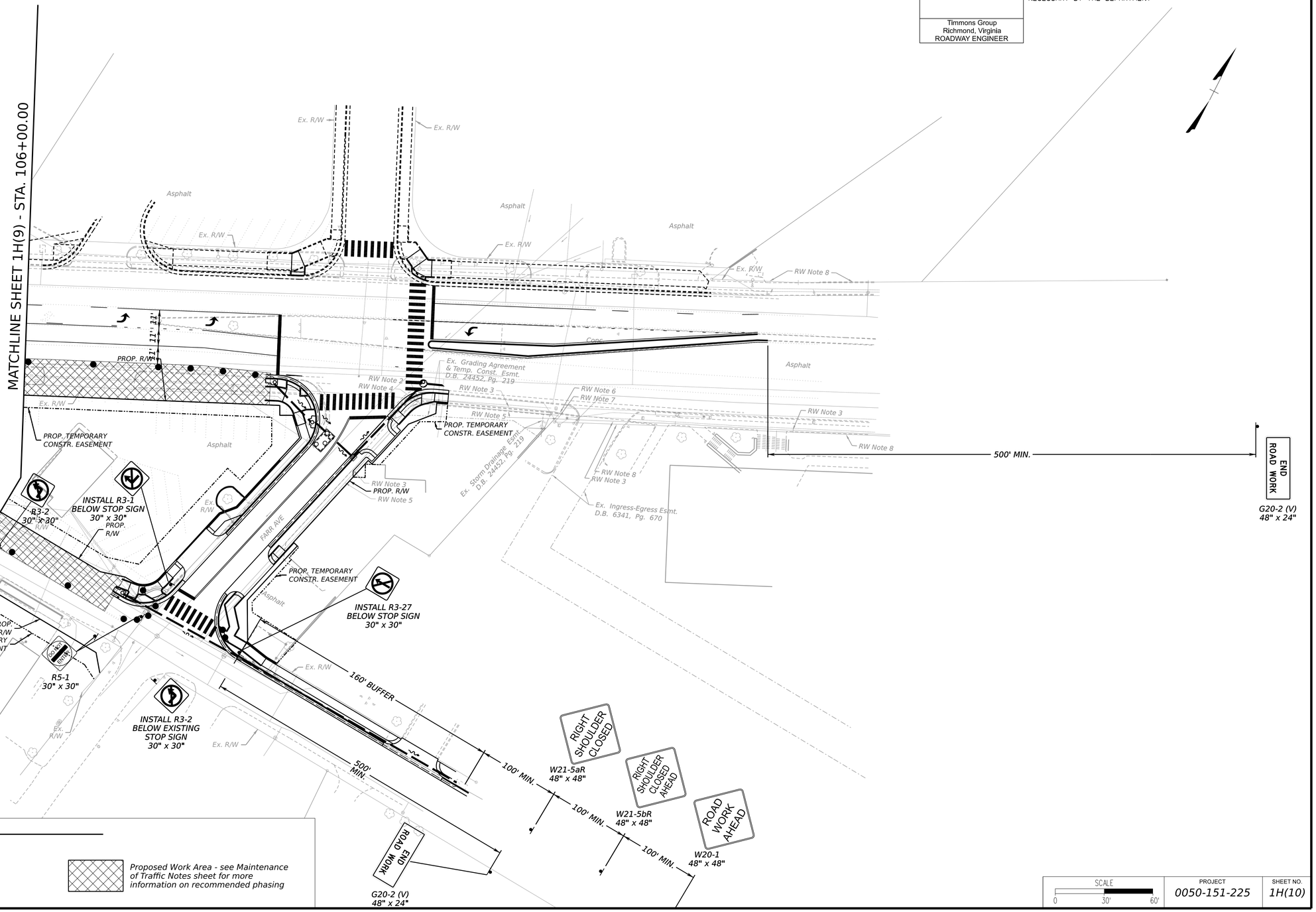
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PHASE 1

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(10)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(10)

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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PHASE 5

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(11)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(12) - STA. 106+00.00

MATCHLINE SHEET 1H(12) - STA. 32+00.00

SEE SHEET 1H(2A) FOR DETOUR SIGNAGE

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(11)

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

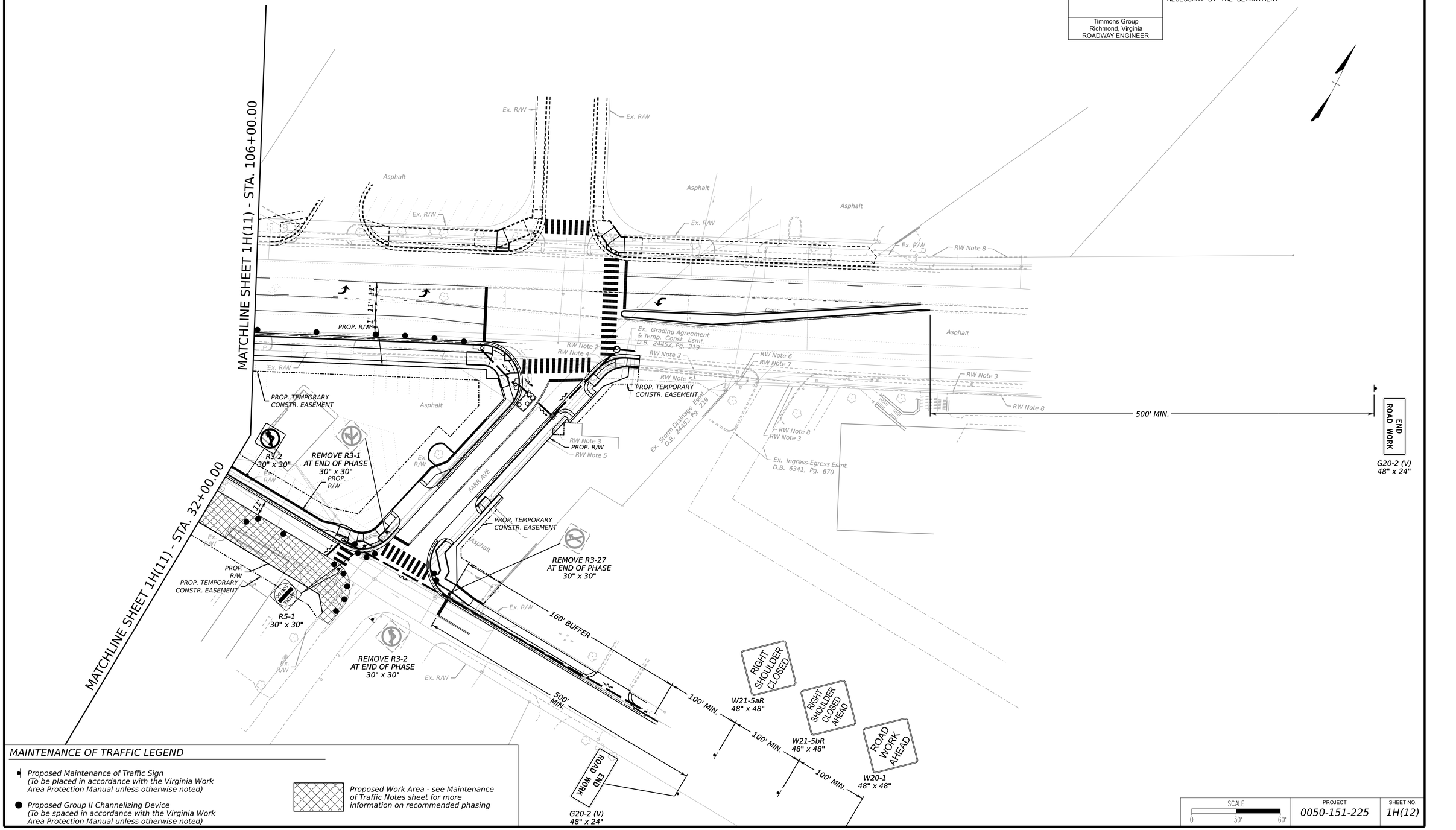
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PHASE 5

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(12)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MAINTENANCE OF TRAFFIC LEGEND

- *Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)*
- *Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)*
- *Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing*

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(12)

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PHASE 6

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(13)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(14) - STA. 106+00.00

MATCHLINE SHEET 1H(14) - STA. 32+00.00

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(13)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

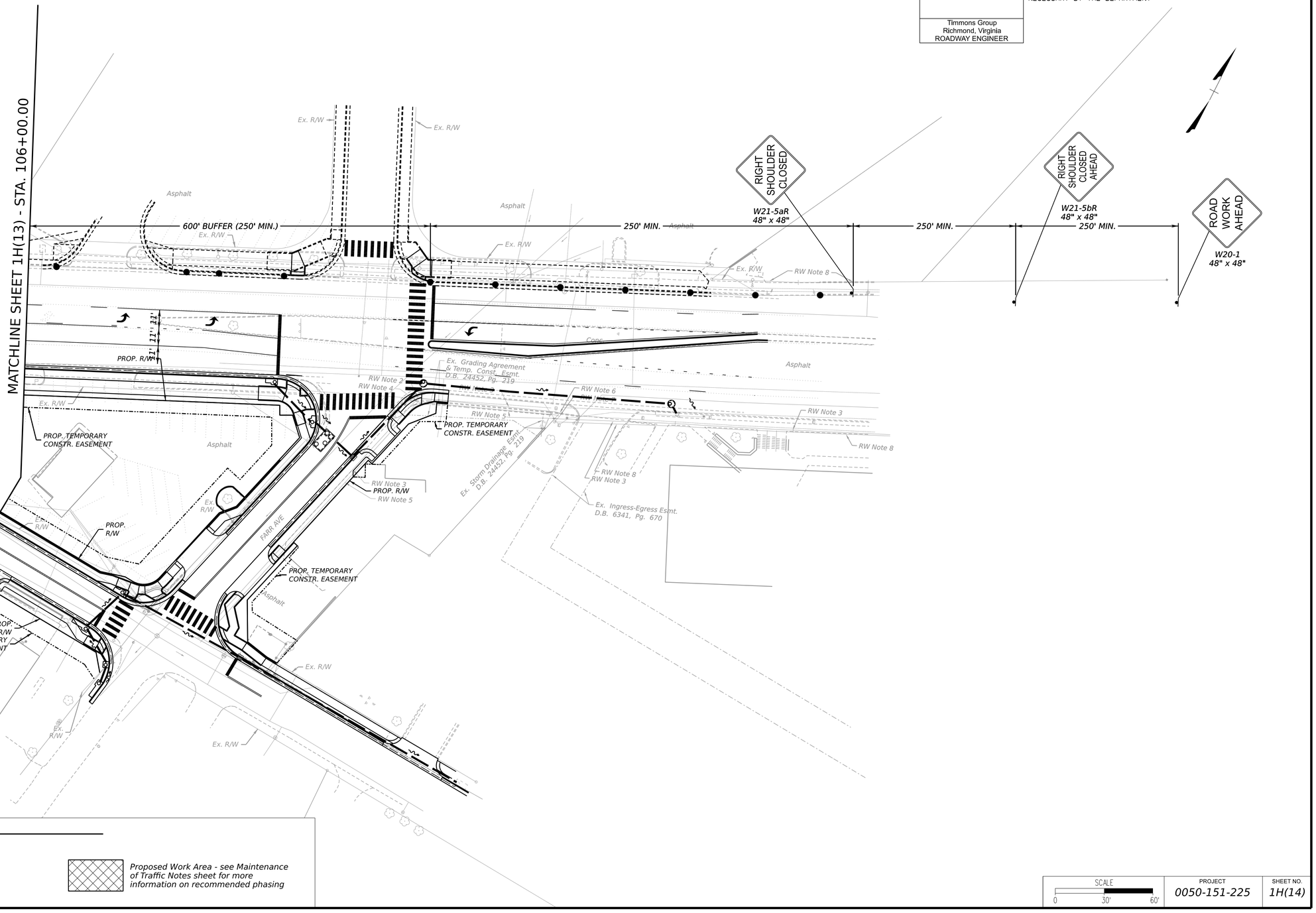
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PHASE 6

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(14)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)

Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(14)

PROJECT MANAGER: CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE: TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY: TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE: TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(15)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

PHASE 7

ROAD WORK AHEAD
W20-1
48" x 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5bR
48" x 48"

RIGHT SHOULDER CLOSED
W21-5aR
48" x 48"

100' MIN.
100' MIN.
100' MIN.
10' TRANSITION (1:1 OFFSET @ 25 MPH)
160' BUFFER
500' MIN.

END ROAD WORK
G20-2 (V)
48" x 24"

END ROAD WORK
G20-2 (V)
48" x 24"

500' MIN.

500' MIN.

END ROAD WORK
G20-2 (V)
48" x 24"

SEE SHEET 1H(2B) FOR DETOUR MAINTENANCE OF TRAFFIC

INSTALL STOP BAR AND ACTIVATE SIGNAL AT END OF PHASE.

ENTRANCE SHALL BE KEPT OPEN DURING BUSINESS HOURS. IF NECESSARY, UTILIZE A LANE CLOSURE TO COMPLETE SAWCUT AND REPLACE ENTRANCE

AFTER ACTIVATION OF SIGNAL, FINISH WORK ON NORTHWEST CORNER. REMOVE EXISTING SIGNAL EQUIPMENT

PROP. TEMPORARY CONSTR. EASEMENT

PROP. R/W

RW Note 1

FAIRFAX BLVD.
US HWY 29/50
VARIABLE WIDTH RIGHT OF WAY

WARWICK AVE
VARIABLE WIDTH RIGHT OF WAY

MCLEAN ST.
VARIABLE WIDTH RIGHT OF WAY

MCLEAN AVE.
VARIABLE WIDTH RIGHT OF WAY

Asphalt
Asph. Curb
Gravel
Brick
Concr.
Speed Bump
Ex. R/W
Ex. 15' Storm Esmt. D.B. 3598 Pg. 631
Ex. 10' Storm Esmt. D.B. 20076 Pg. 2062
Approx. Loc. Ex. 10' Waterline Esmt. D.B. 20076 Pg. 2062
Ex. 10' Waterline Esmt. Pg. 218
D.B. 20076 Pg. 2062

11' 11' 10'

MATCHLINE SHEET 1H(16) - STA. 106+00.00

MATCHLINE SHEET 1H(16) - STA. 32+00.00

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(15)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

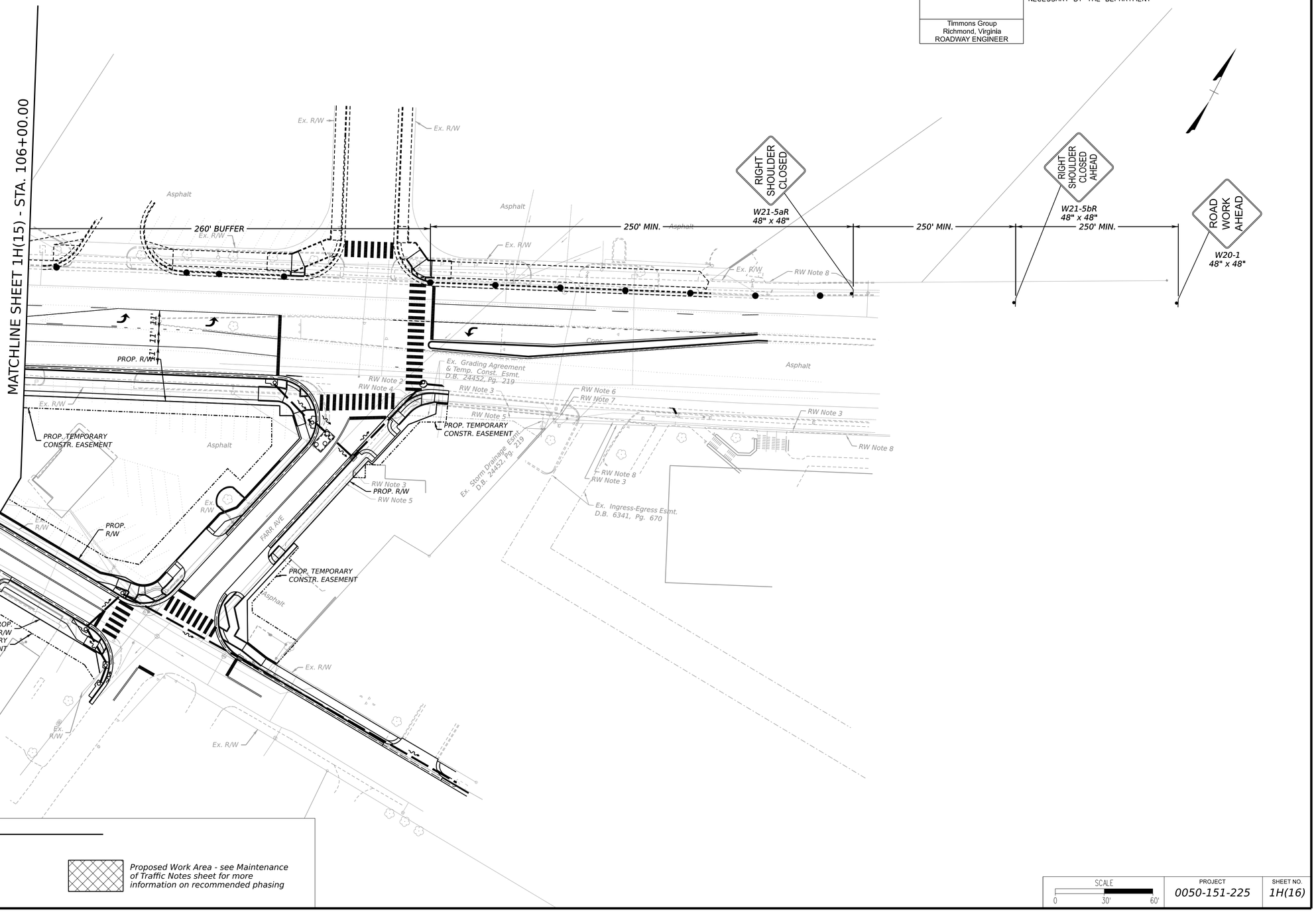
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PHASE 7

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(16)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(16)

PROJECT MANAGER: CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE: TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY: TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE: TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

PHASE 8

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(17)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 1H(18) - STA. 106+00.00

MATCHLINE SHEET 1H(18) - STA. 32+00.00

MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(17)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

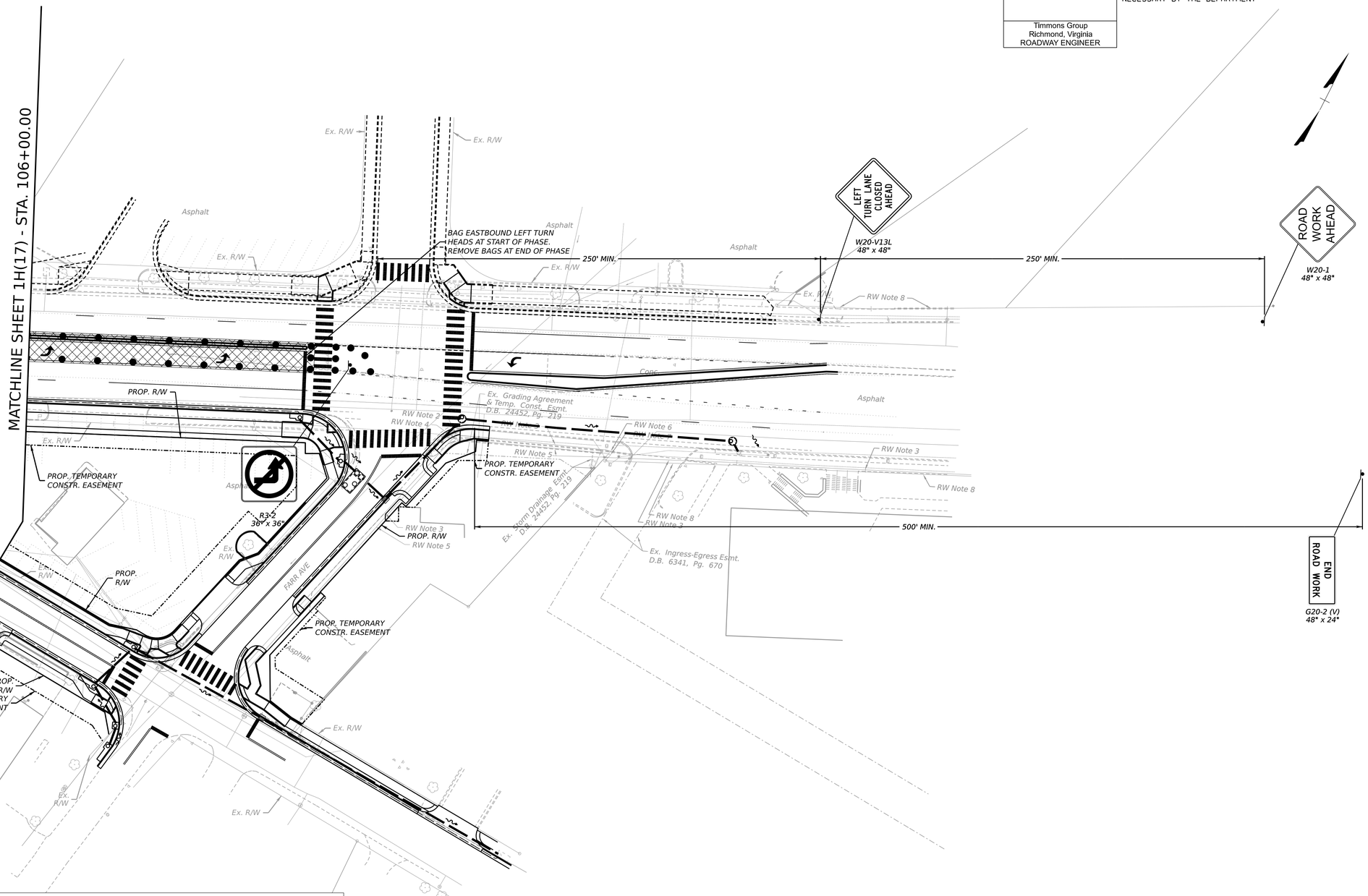
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PHASE 8

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1H(18)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MAINTENANCE OF TRAFFIC LEGEND

- Proposed Maintenance of Traffic Sign (To be placed in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Group II Channelizing Device (To be spaced in accordance with the Virginia Work Area Protection Manual unless otherwise noted)
- Proposed Work Area - see Maintenance of Traffic Notes sheet for more information on recommended phasing

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	1H(18)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
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PAC PLANS

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UNDERGROUND UTILITIES TEST HOLE INFORMATION

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	1J

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

PLAN SHEET	TEST HOLE	DISTANCE (FEET)	(1) STATION & ROADWAY	OWNER	TYPE OF FACILITY	(2) ELEV. (FEET)	(3) CONFLICT YES/NO	(4) REMARKS	UTILITY (5) ADJUSTMENT REQUIRED
3	1	21.4' RT	20+68.15 (MCLEAN NORTH)	VERIZON	TELEPHONE- CONCRETE DUCT.	374.3	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
3	2	9.1' LT	12+57.76 (WARWICK-MCLEAN)	VERIZON	TELEPHONE - CONCRETE DUCT.	375.8	TBD	RECONSTRUCT DRAINAGE STRUCTURE IN-PLACE, MAINTAIN EXIST. INVERTS. VERIZON TO CONFIRM CONFLICT OR CLEAR.	TBD
3	3	2.1' LT	11+85.31 (WARWICK-MCLEAN)	FIBERLIGHT DUCT BANK	UNK. - CONCRETE, UNK. SIZE	376.5	TBD	RECONSTRUCT MH IN-PLACE, MAINTAIN EXIST. INVERTS. FIBERLIGHT TO CONFIRM CONFLICT OR CLEAR.	TBD
4	3	3.5' RT	11+82.31 (WARWICK-MCLEAN)	GAS	GAS - 4" WRAPPED STEEL	376.0	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
5	3	30.2' RT	11+86.85 (WARWICK-MCLEAN)	VERIZON	TELEPHONE - CONCRETE DUCT.	377.8	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
6	3	41.5' RT	11+87.21 (WARWICK-MCLEAN)	FIBERLIGHT DUCT BANK	FIBER OPTIC - (2) 2" PLASTIC CONDUITS	374.1	NO		NO
7	3	6.3' RT	30+70.89 (WARWICK WEST)	GAS	GAS - 2" WRAPPED STEEL	380.6	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
8	3	0.5' RT	30+76.39 (WARWICK WEST)	FIBERLIGHT DUCT BANK	FIBER OPTIC - (2) 2" PLASTIC CONDUITS	381.1	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
9	4	11.1' LT	32+82.41 (WARWICK WEST)	GAS	GAS - 2" WRAPPED STEEL	374.8	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
10	4	6.3' RT	32+79.07 (WARWICK WEST)	WATER	WATER - 6" DUCTILE IRON	374.4	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
11	4	16.8' LT	40+91.17 (WARWICK EAST)	GAS	GAS - 2" WRAPPED STEEL	369.9	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
12	4	15.9' LT	52+66.52 (FARR AVENUE)	UNK.	UNK. - 2" PLASTIC	372.7	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
13	4	49.8' LT	52+81.79 (FARR AVENUE)	FIBERLIGHT DUCT BANK	FIBER OPTIC - (2) 2" PLASTIC CONDUITS	372.3	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
14	4	36.3' RT	53+04.83 (FARR AVENUE)	FIBERLIGHT DUCT BANK	FIBER OPTIC - (2) 2" PLASTIC CONDUITS	366.5	NO		NO
15	4	18.4' RT	53+14.30 (FARR AVENUE)	GAS	GAS - 8" WRAPPED STEEL	368.4	YES	TO BE RELOCATED BY UTILITY OWNER. CONTRACTOR TO CONFIRM RELOCATION OR ABANDONMENT COMPLETE.	YES
16	4	14.0' LT	108+30.40 (FAIRFAX BOULEVARD	WATER	NONE (DRY HOLE)	N/A	NO		NO

LEGEND

W

T/Tg Duct

SFM

G

NOTES:

(1) ALL TEST HOLES ARE REFERENCED FROM THE SURVEY BASELINE UNLESS OTHERWISE NOTED.

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

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

(4) REMARKS TO INCLUDE CLEARANCE DIMENSION (REGARDLESS OF DISTANCE).

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

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 1J

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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GENERAL NOTES

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	050	0050-151-225 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

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 5 and in accordance with the charaacteristics 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 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-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. No trees or shrubs in ungraded areas shall be cut without the permission of the Engineer.

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 2A.

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 ... thru ... 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.

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.

NOTE: LANE CLOSURES ON FAIRFAX BOULEVARD SHALL ONLY BE PERMITTED DURING OFF-PEAK HOURS (9:00 A.M. - 3:00 P.M. M-TH, AND 9:00 A.M. - 12:00 P.M. FRIDAY) OR AS OTHERWISE DIRECTED BY THE ENGINEER OR THE CITY OF FAIRFAX.

NOTE: CONTRACTOR SHALL FIELD-ADJUST DEPTH OF AGGREGATE AS REQUIRED TO TIE TO THE EXISTING AGGREGATE LAYER AND PROVIDE POSITIVE DRAINAGE.

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
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PAC PLANS

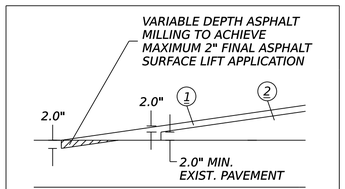
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TYPICAL SECTIONS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2A(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

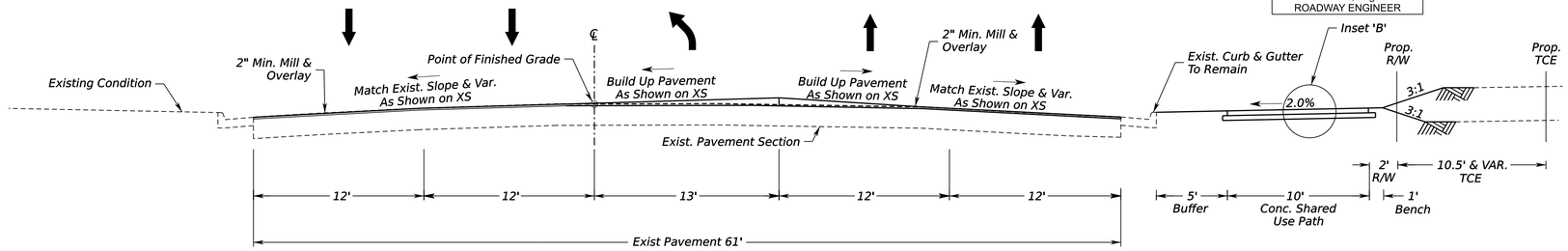


PAVEMENT BUILD-UP WITH OVERLAY

1. ASPHALT CONCRETE, TYPE SM-9.5D, ESTIMATED at 238 Lbs/S.Y. (2" DEPTH)
2. VAR. DEPTH BM-25.0A ASPHALT LEVELING COURSE (REMAINDER IF NECESSARY)

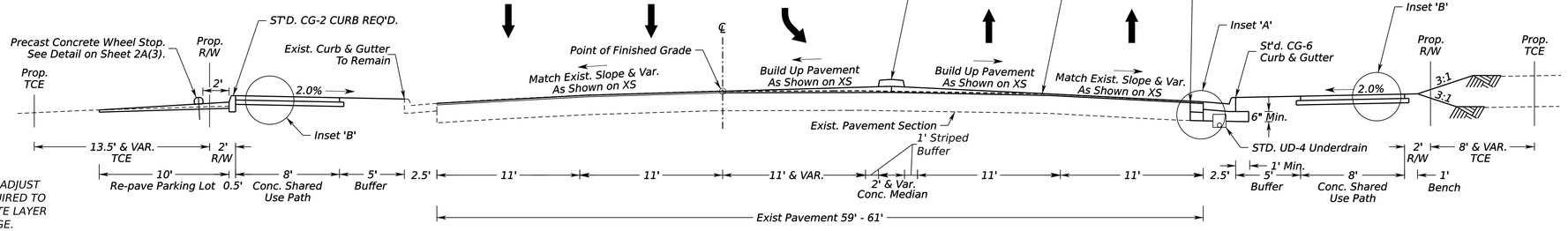
FAIRFAX BOULEVARD
U.S. HWY. 29/50

Sta 100+40 to Sta 102+50



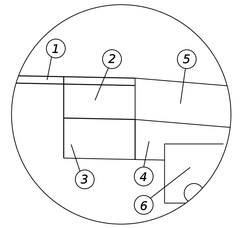
FAIRFAX BOULEVARD
U.S. HWY. 29/50

Sta 102+50 to Sta 104+75



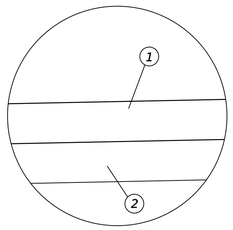
*NOTE: CONTRACTOR TO FIELD-ADJUST DEPTH OF AGGREGATE AS REQUIRED TO TIE TO THE EXISTING AGGREGATE LAYER AND PROVIDE POSTIVE DRAINAGE.

INSET A



1. 2" ASPHALT CONCRETE SURFACE COURSE (VDOT SM-9.5D) at 235 Lbs/S.Y.
2. 7" ASPHALT CONCRETE BASE COURSE (VDOT BM-25.0A)
3. 8" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B)
4. MIN. 6" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B) UNDER CURB
5. STD. CG-6 CURB & GUTTER
6. STD. UD-4 UNDERDRAIN

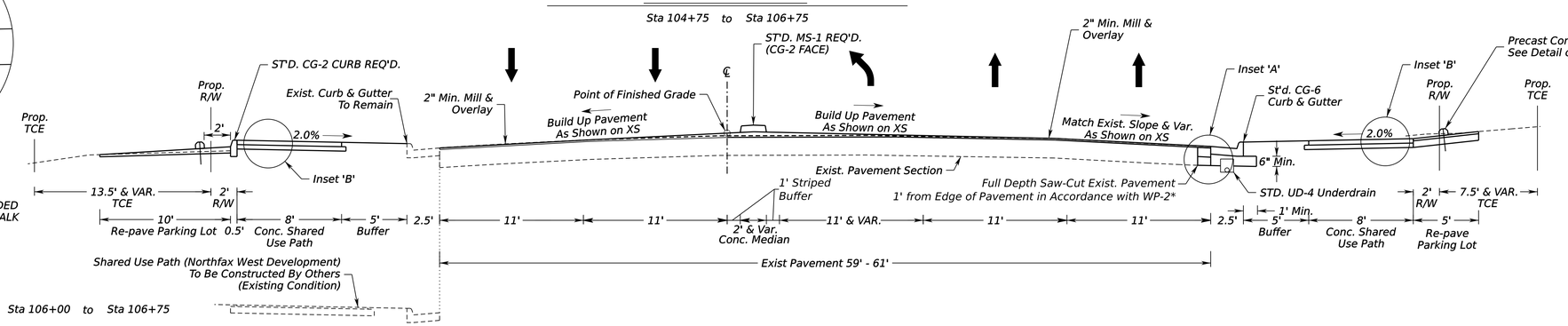
INSET B



1. 4" CLASS A3 CONCRETE
2. 4" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B, EXTENDED 4" BEYOND THE EDGE OF SIDEWALK ON BOTH SIDES

FAIRFAX BOULEVARD
U.S. HWY. 29/50

Sta 104+75 to Sta 106+75



NOTE: ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH VDOT STANDARD WP-2

NOTE: DEPTH OF AGGREGATE BASE MATERIAL UNDER PROPOSED PAVEMENT AND CURB AND GUTTER SHALL BE 6" OR SHALL COINCIDE WITH THE BOTTOM OF AGGREGATE OF THE ADJACENT TRAVEL LANE, WHICHEVER IS

NOTE: RE-PAVING OF ADJACENT PARKING LOTS INCLUDES MILLING AND/OR DEMOLITION OF EXISTING PAVEMENT, ADDITION OF PAVEMENT BUILDUP AS NECESSARY, AND ALL ASSOCIATED ITEMS. POSITIVE DRAINAGE SHALL BE MAINTAINED IN PARKING LOTS.

NOT TO SCALE	PROJECT	SHEET NO.
	0050-151-225	2A(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

TYPICAL SECTIONS

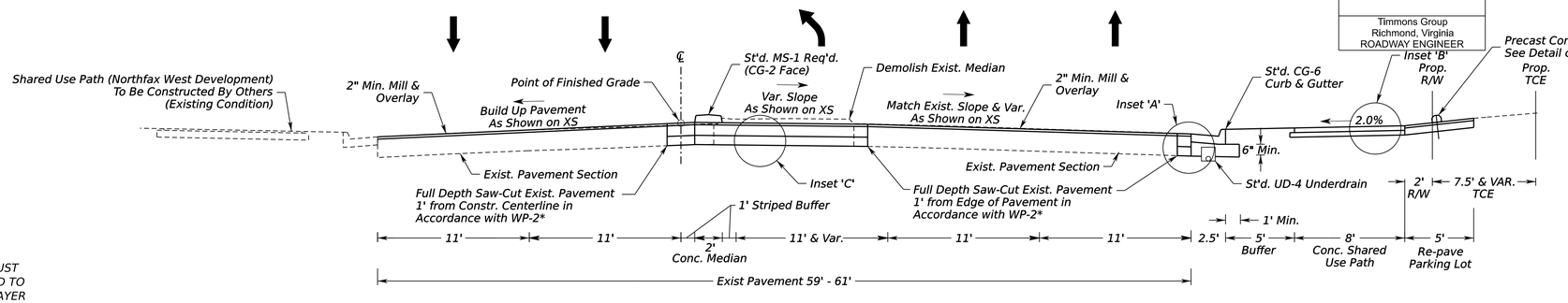
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2A(2)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

FAIRFAX BOULEVARD
U.S. HWY. 29/50

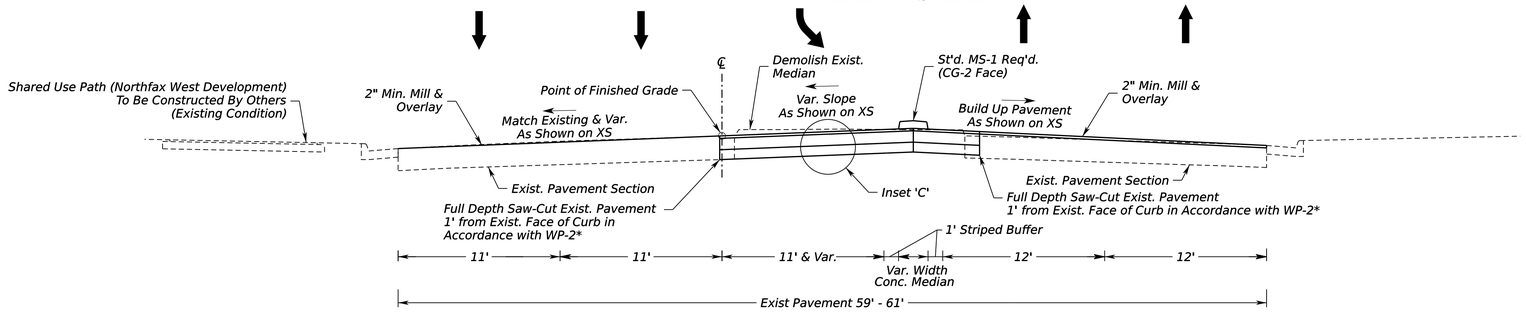
Sta 106+75 to Sta 108+00



*NOTE: CONTRACTOR TO FIELD-ADJUST DEPTH OF AGGREGATE AS REQUIRED TO TIE TO THE EXISTING AGGREGATE LAYER AND PROVIDE POSTIVE DRAINAGE.

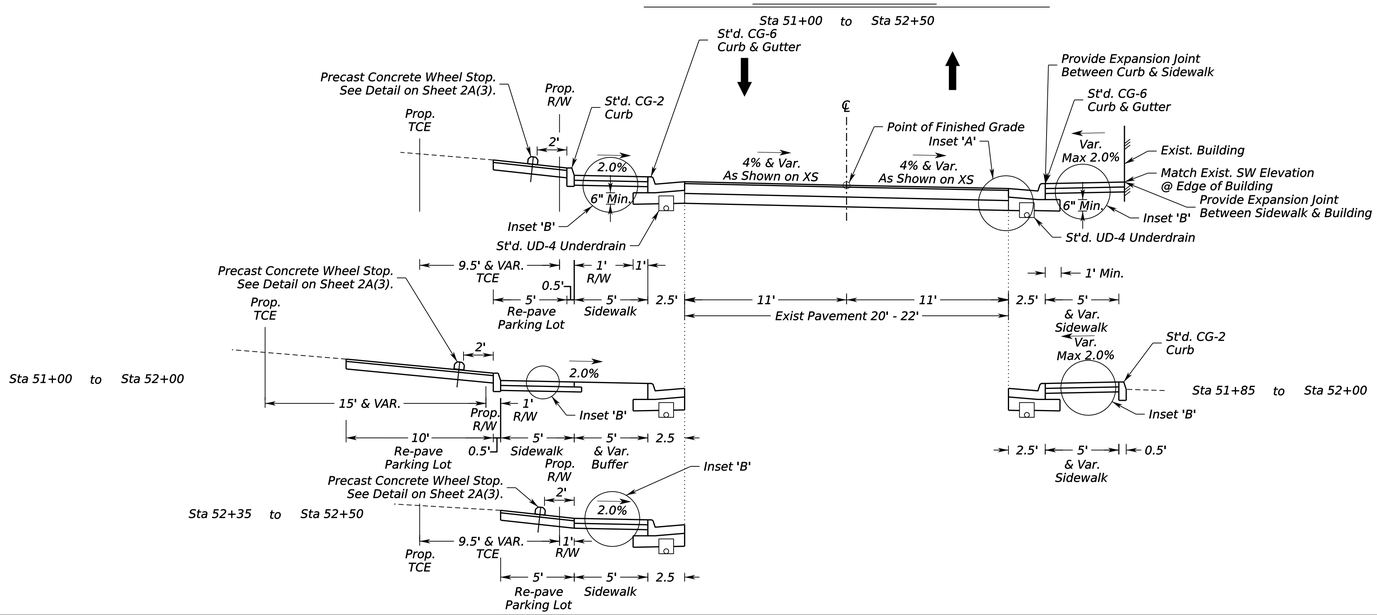
FAIRFAX BOULEVARD
U.S. HWY. 29/50

Sta 108+00 to Sta 110+50



FARR AVENUE

Sta 51+00 to Sta 52+50

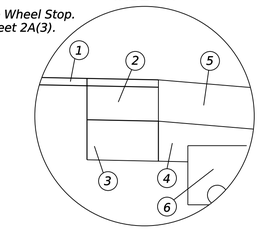


NOTE: ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH VDOT STANDARD WP-2

NOTE: DEPTH OF AGGREGATE BASE MATERIAL UNDER PROPOSED PAVEMENT AND CURB AND GUTTER SHALL BE 6" OR SHALL COINCIDE WITH THE BOTTOM OF AGGREGATE OF THE ADJACENT TRAVEL LANE, WHICHEVER IS GREATER.

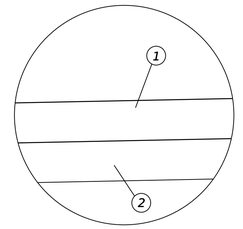
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INSET A



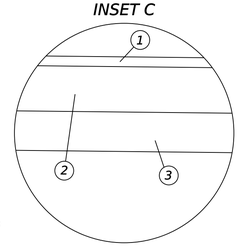
1. 2" ASPHALT CONCRETE SURFACE COURSE (VDOT SM-9.5D) at 235 Lbs/S.Y.
2. 7" ASPHALT CONCRETE BASE COURSE (VDOT BM-25.0A)
3. 8" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B)
4. MIN. 6" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B) UNDER CURB
5. STD. CG-6 CURB & GUTTER
6. STD. UD-4 UNDERDRAIN

INSET B



1. 4" CLASS A3 CONCRETE
2. 4" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B, EXTENDED 4" BEYOND THE EDGE OF SIDEWALK ON BOTH SIDES

INSET C



1. 2" ASPHALT CONCRETE SURFACE COURSE (VDOT SM-9.5D) at 235 Lbs/S.Y.
2. 7" ASPHALT CONCRETE BASE COURSE (VDOT BM-25.0A)
3. 8" CEMENT TREATED AGGREGATE

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 2A(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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TYPICAL SECTIONS

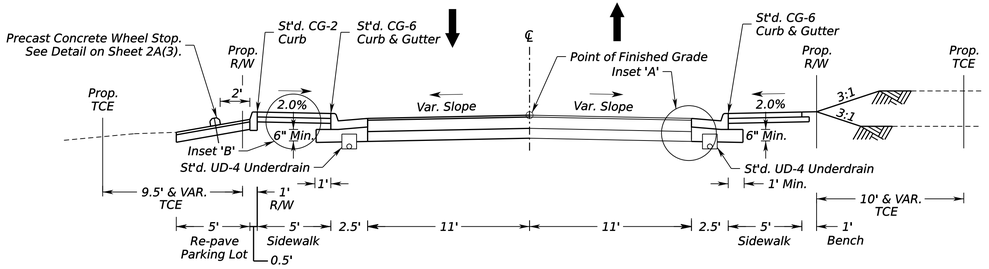
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2A(3)

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Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

WARWICK AVENUE

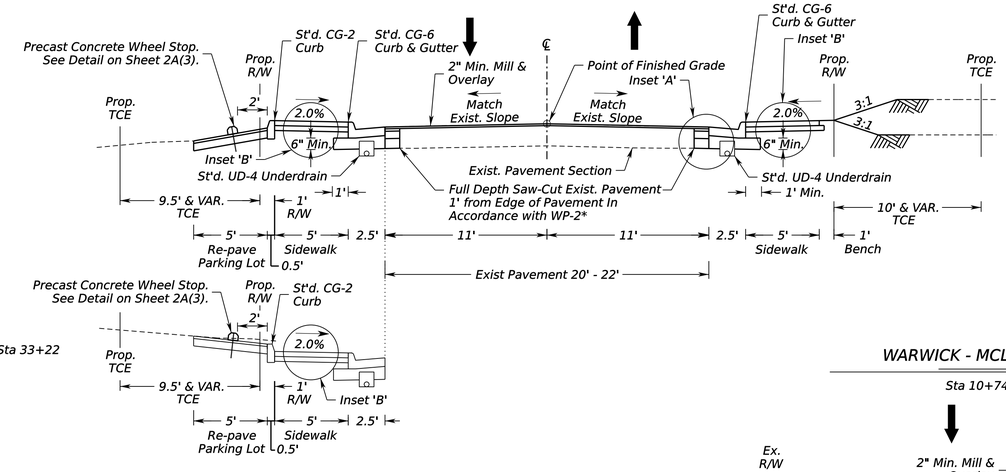
Sta 30+37 to Sta 31+40 (Warwick West)



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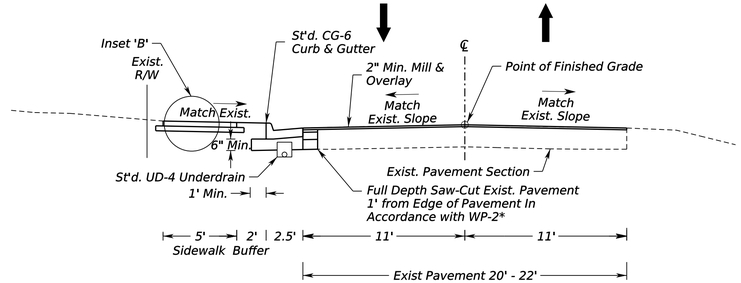
WARWICK AVENUE

Sta 31+40 to Sta 33+22 (Warwick West)



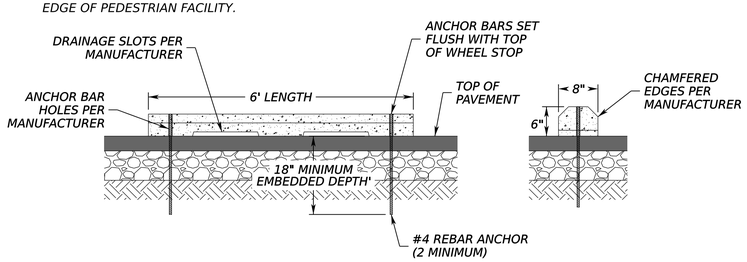
WARWICK AVENUE

Sta 40+00 to Sta 42+12 (Warwick East)



Sta 32+35 to Sta 33+22

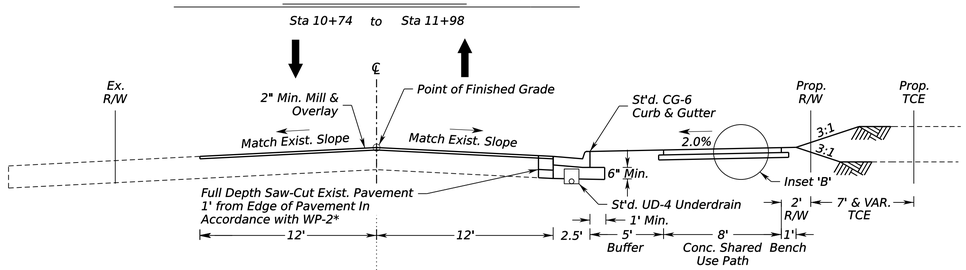
NOTE: ALL PARKING SPACES AGAINST EXIST./PROP. PEDESTRIAN FACILITIES SHALL HAVE WHEEL STOP INSTALLED MIN. 2' FROM FACE OF CURB OR EDGE OF PEDESTRIAN FACILITY.

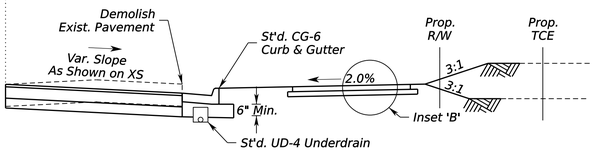


PRECAST CONCRETE WHEEL STOP (SLOTTED) DETAIL
NOT TO SCALE

WARWICK - MCLEAN AVENUE (SOUTH)

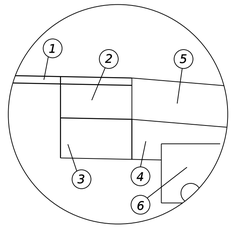
Sta 10+74 to Sta 11+98





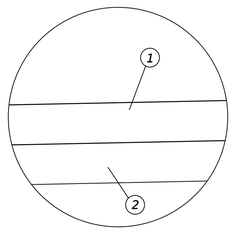
Sta 11+25 to Sta 11+98

INSET A



1. 2" ASPHALT CONCRETE SURFACE COURSE (VDOT SM-9.5D) at 235 Lbs/S.Y.
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4. MIN. 6" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B) UNDER CURB
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INSET B



1. 4" CLASS A3 CONCRETE
2. 4" AGGREGATE BASE MATERIAL (VDOT TYPE 1 NO. 21 B, EXTENDED 4" BEYOND THE EDGE OF SIDEWALK ON BOTH SIDES

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NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 2A(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
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PAC PLANS

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EROSION & SEDIMENT CONTROL NOTES

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2B(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO INSTALL A NEW SIGNAL AT THE INTERSECTION OF FAIRFAX BOULEVARD AND FARR AVENUE AND TO REPLACE THE EXISTING SIGNAL AT THE INTERSECTION OF FAIRFAX BOULEVARD, WARWICK AVENUE, AND MCLEAN AVENUE AND RECONFIGURE THE VARIOUS APPROACHES TO CONVERT THE SIX LEGGED INTERSECTION TO A FOUR-LEGGED INTERSECTION WITH TWO UNSIGNALIZED RIGHT-IN RIGHT-OUT INTERSECTIONS. ALONG FAIRFAX BOULEVARD, A SHARED USE PATH WILL BE INSTALLED AND ALONG ALL OF THE SIDE STREETS SIDEWALK WILL BE INSTALLED. NEW STORM SEWER FACILITIES WILL BE ADDED TO IMPROVE DRAINAGE IN THE PROJECT AREA.

EXISTING SITE CONDITIONS

THE EXISTING AREA CONSISTS OF A SIX-LEGGED SIGNALIZED SPAN-WIRE INTERSECTION WITH SIGNIFICANT SKEW AND SUBSTANDARD GEOMETRIC CONDITIONS AND TWO UNSIGNALIZED RIGHT-IN RIGHT-OUT INTERSECTIONS. MINIMAL DRAINAGE STRUCTURES ARE PRESENT IN THE AREA. SURROUNDING LAND USES ARE PRIMARILY COMMERCIAL, TRANSITION TO RESIDENTIAL FURTHER AWAY FROM FAIRFAX BOULEVARD.

ADJACENT PROPERTY

THE PROPOSED IMPROVEMENTS WILL RESULT IN RIGHT OF WAY & EASEMENT TAKES ALONG THE FRONTAGE OF SEVERAL PROPERTIES. IMPACTED PROPERTIES ARE ALL COMMERCIAL IN NATURE WITH NO PLANNED IMPACTS TO RESIDENTIAL PROPERTIES.

SOILS

THE PREDOMINANT SOILS FOR THIS PROJECT ARE:
-95 URBAN LAND COMPLEX. HYDROLOGIC SOIL GROUP D.

OFF-SITE AREAS

NO OFF-SITE AREAS WILL BE USED FOR THIS PROJECT.

CRITICAL EROSION AREAS

CRITICAL EROSION AREAS ARE AS FOLLOWS:
1. ADJACENT RESIDENTIAL PROPERTIES
2. ADJACENT AND CONNECTING ROADS - SHALL REMAIN CLEAR FROM BUILD-UP OF SOIL.

EROSION & SEDIMENT CONTROL MEASURES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO 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 VARIANCE.

THE TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS SHOWN ON THE PLANS ARE INTENDED TO PROVIDE A GENERAL PLAN FOR CONTROLLING EROSION AND SILSTATION 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 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 AND MADE AVAILABLE UPON REQUEST.

PERMANENT STABILIZATION

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING SHALL BE DONE IN ACCORDANCE WITH THE ROADSIDE DEVELOPMENT SHEET IN THESE PLANS AND SPEC. 3.32 OF THE HANDBOOK. EROSION CONTROL MATTING ST'D. EC-2 SHALL BE USED ON ALL SLOPES 2:1 AND STEEPER TO PROTECT THE SLOPES FROM EROSION.

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 EROSION CONTROL PLANS. INSTALL INLET PROTECTION ON EXISTING STRUCTURES.

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 ACTITVITIES 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 AND SAFETY FENCE AT ALL TIMES AS DENOTED ON THE PLANS.

7. CONSTRUCT FAIRFAX BOULEVARD AND ALL SIDE STREETS, ASSOCIATED IMPROVEMENTS, 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 EROSION CONTROL PLANS TO ENSURE APPROPRIATE SEDIMENT CONTROL.

8. THE SITE SHALL BE PERMANENT STABILIZED AFTER ALL GRADING HAS BEEN COMPLETED BY SEEDING ALL DENUDED AREAS.

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.

ADDITIONAL NOTES

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

2. THE CONTRACTOR MUST DETERMINE 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.

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-DISTURBING 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 AREA 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, FLUME 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 PERM- ANENT 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 MAKE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD 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 FOLLOWING STANDARDS AND CRITERIA:

A. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.

B. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:

B.1. THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION.

B.2. NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR FREQUENCY STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS.

B.3. ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR FREQUENCY STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS.

B.4. PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR FREQUENCY STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.

C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:

C.1. IMPROVE THE CHANNELS TO A CONDITION WHERE A TEN-YEAR FREQUENCY STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR FREQUENCY STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR

C.2. IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR FREQUENCY STORM IS CONTAINED WITHIN THE APPURTENANCES; OR

C.3. DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL.

C.4. PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION/RETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE PLAN APPROVING AUTHORITY TO PREVENT DOWNSTREAM EROSION.

D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.

E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT CONDITION OF THE SUBJECT PROJECT.

F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION/ RETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.

G. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL OR DETENTION FACILITY.

H. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS IN A RESIDENTIAL SUBDIVISION DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE RESIDENTIAL SUBDIVISION DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE SUBDIVISION DEVELOPMENT SHALL BE USED IN ALL ENGINEERING CALCULATIONS.

I. PROPOSED COMMERCIAL OR INDUSTRIAL SUBDIVISIONS SHALL APPLY THESE STORMWATER MANAGEMENT CRITERIA TO THE DEVELOPMENT AS A WHOLE. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE SUBDIVISION DEVELOPMENT SHALL BE USED IN ALL ENGINEERING CALCULATIONS.

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*
SF-A	*DENOTES TEMPORARY SILT FENCE TYPE A, ST'D. EC-5*
SAF	*DENOTES TEMPORARY SAFETY FENCE, VESCH ST'D. 3.01*
LOD	*DENOTES LIMITS OF DISTURBANCE*

EROSION CONTROL QUANTITY SUMMARY

		ITEM
3	EA	*INLET PROTECTION TYPE A*
24	EA	*INLET PROTECTION TYPE B*
632	LF	*TEMP. SILT FENCE TYPE A*
964	LF	*TEMP. SAFETY FENCE*
250	CY	*SILTATION CONTROL EXCAVATION*

NOTE: EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED AS APPROPRIATE PRIOR TO EACH PHASE OF CONSTRUCTION. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED IN EACH PHASE DEPENDING ON SEQUENCING.

9/29/2023
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Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

EROSION & SEDIMENT CONTROL

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2B(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

001 M SQUARED, LLC
D.B. 19087, PG. 117
PIN 57 1 02 110
1. 191 Ac.

002 BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 1
PIN 57 2 02 006
1.860 Ac. (FROM RECORD)

002 BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 2
PIN 57 2 02 006
0.481 Ac. (FROM RECORD)

002 BRANCH AVENUE ASSOCIATES, LLC
D.B. Y-11, PG. 497
PIN 57 2 02 006
1.774 Ac. (FROM RECORD)

003 SAGAAR LLC
D.B. 25200, PG. 2180
PIN 57 2 02 083
0. 296 Ac.

004 MGB PROPERTIES II, LLC
D.B. 16570, PG. 282
PIN 57 2 02 082
0. 817 Ac.

005 KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

007 KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

008 SHOPS AT FAIRFAX, LLC
D.B. 23999, PG. 378
PIN 57 1 02 062 A
5. 047 Ac.

CATHOLIC DIOCESE OF ARLINGTON
D.B. 5784, PG. 1821
PIN 57 1 02 112
16. 099 Ac.

ADAM D. DULL AND STEPHANIE A. DULL
D.B. 25077, PG. 267
PIN 57 2 02 088
0. 459 Ac.

NOTE: FENCING THAT CANNOT BE INSTALLED DUE TO THE PRESENCE OF PAVEMENT SHALL REQUIRE ALTERNATIVE MOUNTING METHODS (SUCH AS WEIGHTED BUCKETS) TO BE SECURED.

MATCHLINE SHEET 2B(4) - STA. 106+00.00

MATCHLINE SHEET 2B(4) - STA. 32+00.00

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Typical Sections	2A(1) - 2A(2)
Existing Conditions	1F(1)
Demolition Plan	1G(1)
Plan Sheet	3
Roadway Profiles	3A - 3C
Drainage Descriptions	6
Storm Sewer Profiles	7
Traffic Signal Plan	8(4)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	2B(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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EROSION & SEDIMENT CONTROL

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2B(4)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 2B(3) - STA. 106+00.00

MATCHLINE SHEET 2B(3) - STA. 32+00.00

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 009
3.8795 Ac.

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 010
3.8795 Ac.

GLASCOCK & SONS, LP
PIN 57 2 02 014
0. 321 Ac.

GLASCOCK & SONS, LP
D.B. 9172, Pg. 571
PIN 57 2 02 015
0. 928 Ac.

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

KBR FAIRFAX L.L.C.
D.B. 25821, PG. 1910
PIN 57 2 02 077
0. 2870 Ac.

LARRY C. MILLER
D.B. 16847, PG. 2034
PIN 57 2 02 073 A
1. 269 Ac.

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

WILLIAM M. ROCABADO
D.B. 22304, PG. 969
PIN 57 2 02 112
0. 344 Ac.

DINH NGUYEN AND LY VU
D.B. 12895, PG. 956
PIN 57 2 02 114
0. 398 Ac.

ROBERT P. MILLER AND LARRY C. MILLER
D.B. 9351, PG. 1801
PIN 57 2 02 076 A
0. 318 Ac.

PROVIDE INLET PROTECTION AT NEXT DOWNSTREAM INLET

NOTE: FENCING THAT CANNOT BE INSTALLED DUE TO THE PRESENCE OF PAVEMENT SHALL REQUIRE ALTERNATIVE MOUNTING METHODS (SUCH AS WEIGHTED BUCKETS) TO BE SECURED.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Typical Sections	2A(1) - 2A(2)
Existing Conditions	1F(2)
Demolition Plan	1G(2)
Plan Sheet	4
Roadway Profiles	4A - 4D
Drainage Descriptions	6
Storm Sewer Profiles	7
Traffic Signal Plan	8(4)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	2B(4)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

EXISTING DRAINAGE AREAS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2D(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

E5A — 0.30 Ac. — C = 0.90
E4B — 0.44 Ac. — C = 0.80
E7 — 0.40 Ac. — C = 0.90
E5B — 0.18 Ac. — C = 0.80
E4A — 0.32 Ac. — C = 0.45
E6 — 0.31 Ac. — C = 0.80
E11 — 0.14 Ac. — C = 0.80
E3 — 0.02 Ac. — C = 0.90
E2B — 0.07 Ac. — C = 0.80
E10 — 1.62 Ac. — C = 0.80
E2A — 0.11 Ac. — C = 0.80
E1A — 0.70 Ac. — C = 0.80
E1B — 0.41 Ac. — C = 0.80
E8 — 4.91 Ac. — C = 0.50

MATCHLINE SHEET 2D(4) - STA. 106+00.00

MATCHLINE SHEET 2D(4) - STA. 32+00.00

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	2D(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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EXISTING DRAINAGE AREAS

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2D(4)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 2D(3) - STA. 106+00.00

MATCHLINE SHEET 2D(3) - STA. 32+00.00

E11
0.14 Ac.
C = 0.80

E12
0.19 Ac.
C = 0.80

E13
0.04 Ac.
C = 0.90

E14
0.57 Ac.
C = 0.90

E10
1.62 Ac.
C = 0.80

E9
0.46 Ac.
C = 0.90

E8
4.91 Ac.
C = 0.50

Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	2D(4)

9/29/2023
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Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

DRAINAGE AREA MAP

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2E(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

9A 0.30 Ac. C = 0.90
8B 0.44 Ac. C = 0.90
10 0.34 Ac. C = 0.80
9B 0.20 Ac. C = 0.80
8A 0.23 Ac. C = 0.45
6 0.07 Ac. C = 0.90
7 0.09 Ac. C = 0.85
11 0.21 Ac. C = 0.80
19 0.19 Ac. C = 0.90
5B 0.05 Ac. C = 0.90
5A 0.22 Ac. C = 0.80
2B 0.06 Ac. C = 0.75
2A 0.03 Ac. C = 0.80
20 0.59 Ac. C = 0.80
4 0.09 Ac. C = 0.90
1 0.70 Ac. C = 0.85
15 0.10 Ac. C = 0.90
3 0.41 Ac. C = 0.80
14 0.89 Ac. C = 0.75

3-1 3-2 3-3 3-4 3-5 3-6 3-7 3-8 3-9 3-10 3-11 3-12 3-13

MATCHLINE SHEET 2E(4) - STA. 106+00.00

MATCHLINE SHEET 2E(4) - STA. 32+00.00

PAC PLANS

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SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	2E(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

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DRAINAGE AREA MAP

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2E(4)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 2E(3) - STA. 106+00.00

MATCHLINE SHEET 2E(3) - STA. 32+00.00

V3-3 V3-2

19 — 0.19 Ac. — C = 0.90
24 — 0.18 Ac. — C = 0.90
25 — 0.09 Ac. — C = 0.90
26 — 0.56 Ac. — C = 0.80
20 — 0.59 Ac. — C = 0.80
27 — 0.32 Ac. — C = 0.70
21B — 0.06 Ac. — C = 0.90
21A — 0.23 Ac. — C = 0.90
22 — 0.06 Ac. — C = 0.90
23 — 0.82 Ac. — C = 0.75
15 — 0.10 Ac. — C = 0.90
16 — 0.13 Ac. — C = 0.90
17 — 0.08 Ac. — C = 0.90
13B — 0.03 Ac. — C = 0.45
14 — 0.89 Ac. — C = 0.75
13A — 0.01 Ac. — C = 0.70
12 — 1.08 Ac. — C = 0.35
18 — 2.85 Ac. — C = 0.35

4-1 4-2 4-3 4-4 4-5 4-6 4-7 4-8 4-9 4-10 4-11 4-12 4-13

15" RCP @ 6.09% ->
15" RCP @ 2.77% ->
15" RCP

Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	2E(4)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

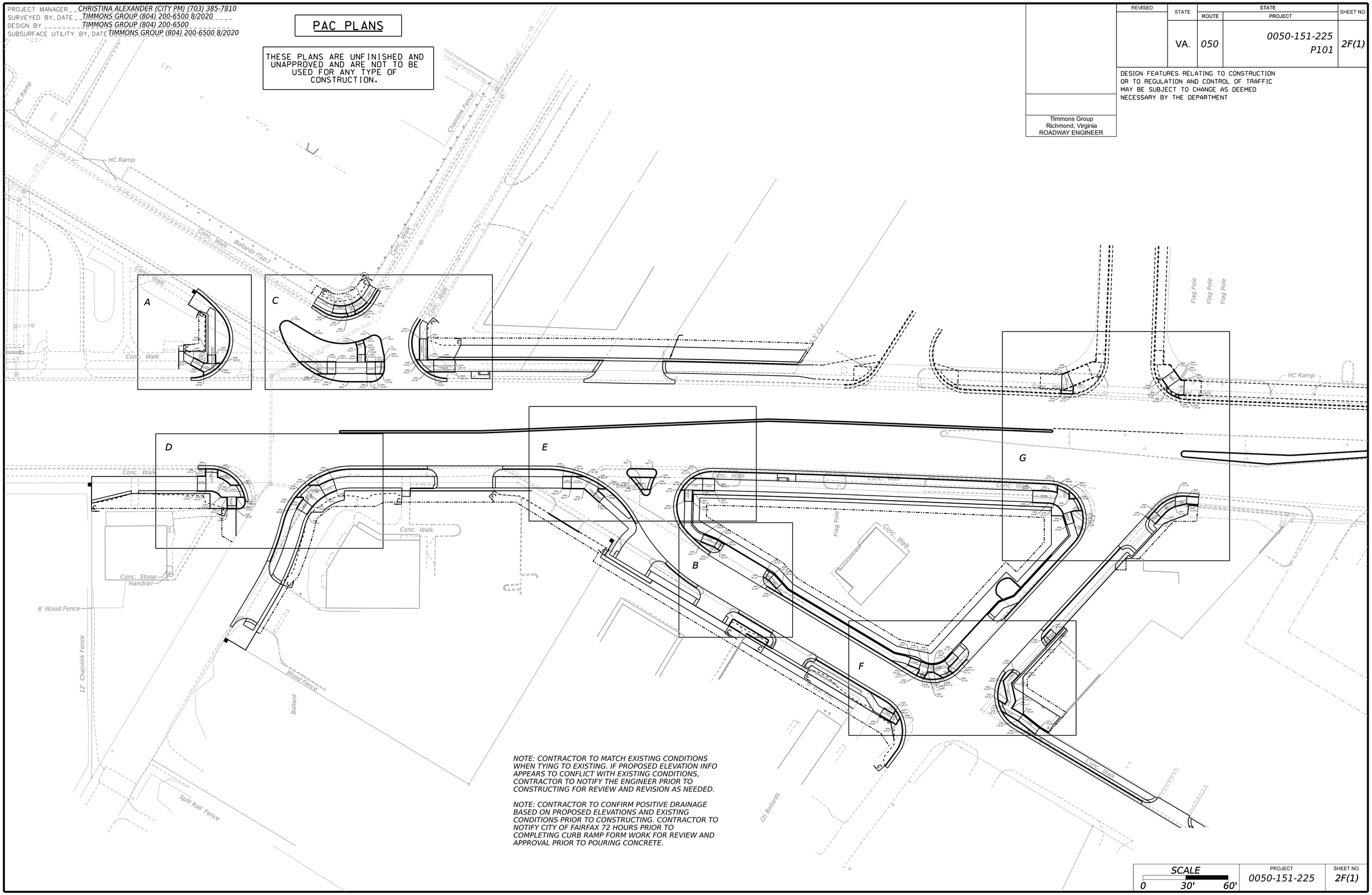
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2F(1)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



NOTE: CONTRACTOR TO MATCH EXISTING CONDITIONS WHEN TYING TO EXISTING. IF PROPOSED 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.

SCALE	PROJECT	SHEET NO.
0 30' 60'	0050-151-225	2F(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

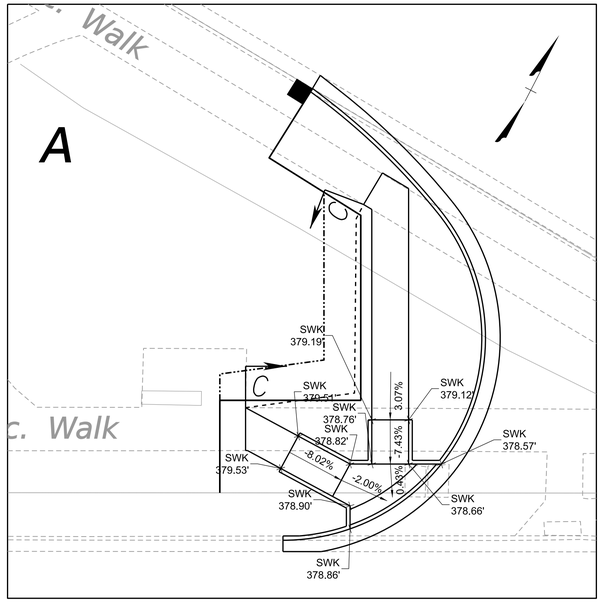
PAC PLANS

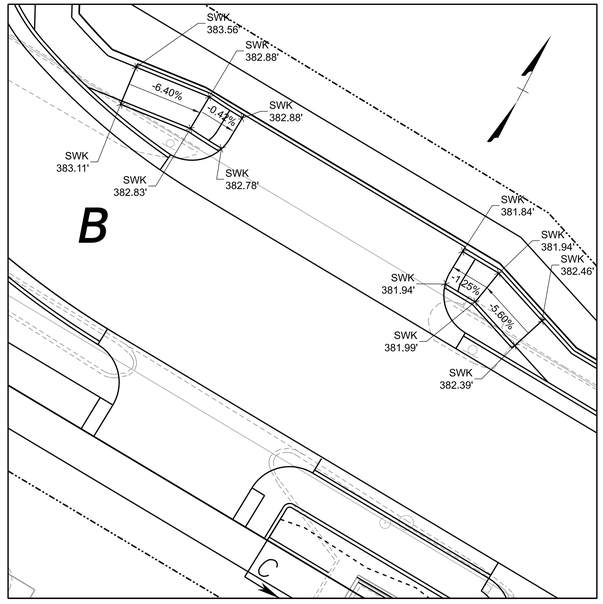
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

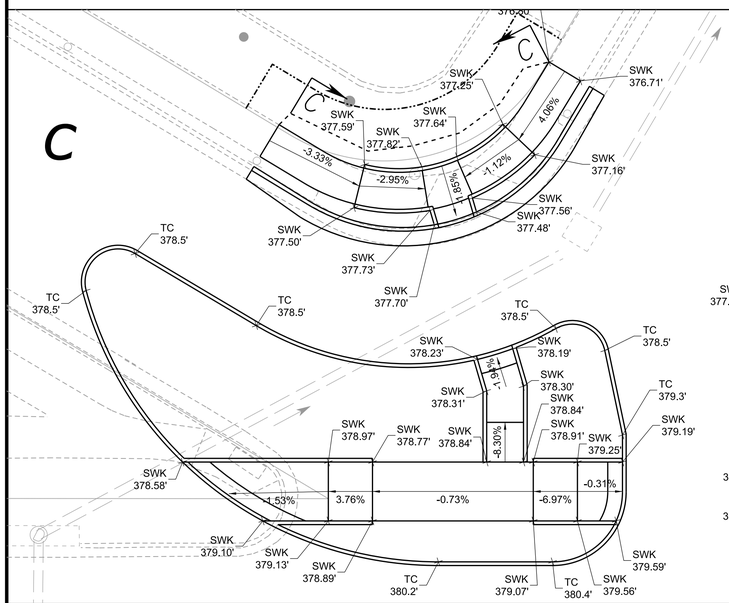
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2F(2)

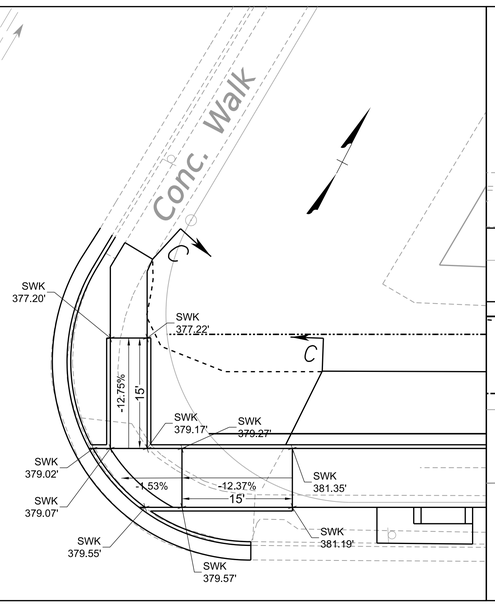
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

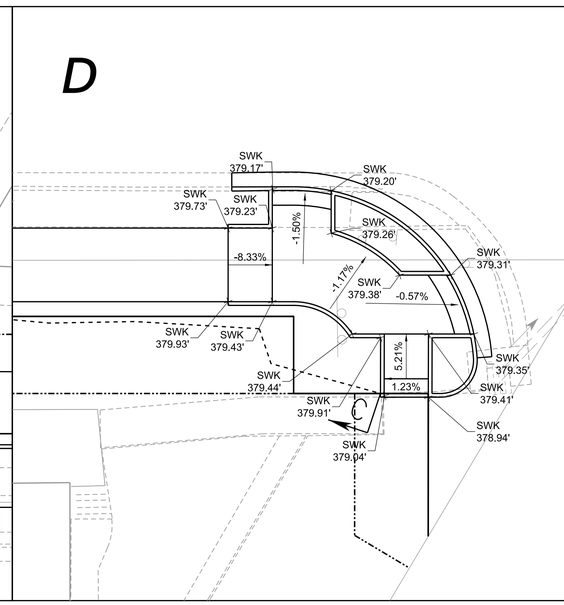
Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

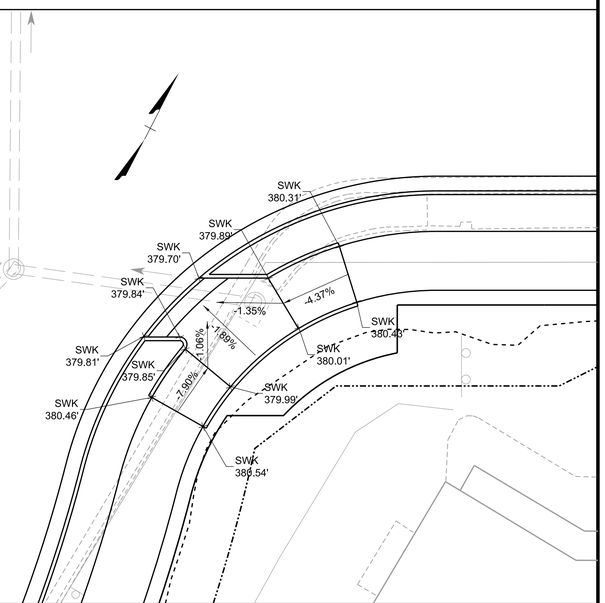












SCALE 0 10' 20'

PROJECT	SHEET NO.
0050-151-225	2F(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

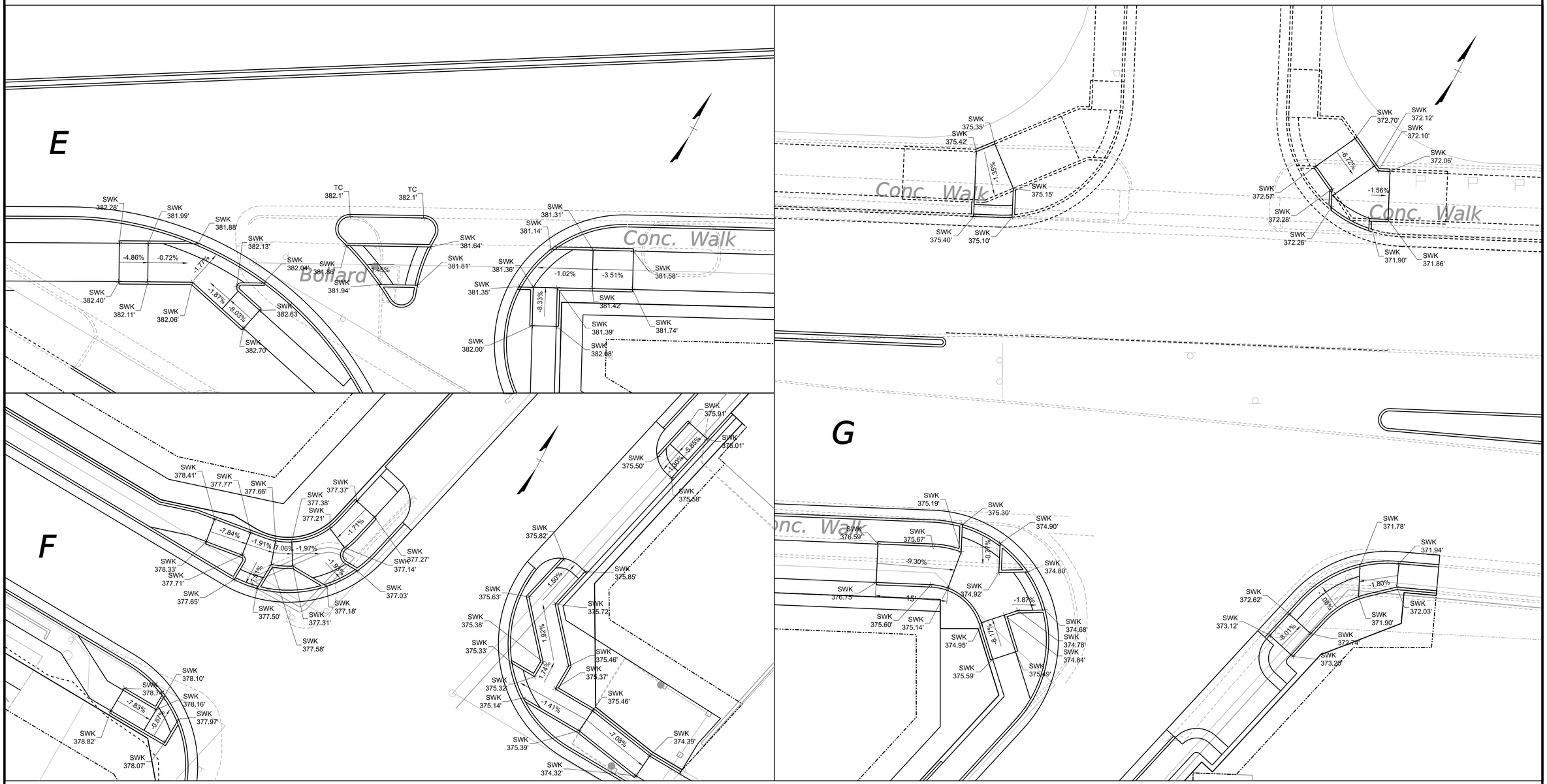
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	2F(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



SCALE	PROJECT	SHEET NO.
0 10' 20'	0050-151-225	2F(3)

9/29/2023
4:56:12 PM

dll554503x.dgn
Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
2/7/2023	VA.	050	0050-151-225 P101	3

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

END PROJECT 0050-151-225, R201
WARWICK - MCLEAN ℄
STA. 13+46.90

END CONSTRUCTION
WARWICK - MCLEAN ℄
STA. 13+56.95

001
M SQUARED, LLC
D.B. 19087, PG. 117
PIN 57 1 02 110
1. 191 Ac.

POT 21+75.78

MCLEAN NORTH
CONSTR. ℄

END CONSTRUCTION
MCLEAN NORTH ℄
STA. 21+29.20

BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 1
PIN 57 2 02 006
1.860 Ac. (FROM RECORD)

002
BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 2
PIN 57 2 02 006
0.481 Ac. (FROM RECORD)

BRANCH AVENUE ASSOCIATES, LLC
D.B. Y-11, PG. 497
PIN 57 2 02 006
1.774 Ac. (FROM RECORD)

008
SHOPS AT FAIRFAX, LLC
D.B. 23999, PG. 378
PIN 57 1 02 062 A
5. 047 Ac.

BEGIN PROJECT 0050-151-225, R201
FAIRFAX BOULEVARD ℄
STA. 100+79.78

BEGIN CONSTRUCTION/BEGIN PROJECT
0050-151-225, P101, C501
FAIRFAX BOULEVARD ℄
STA. 100+40.72

N86°36'08"W
61.13'

POT 14+18.09

PROP. TEMPORARY CONSTR. EASEMENT

PT 20+60.47

PI 20+07.14

PT 13+56.95

PI 13+07.14

PROP. TEMPORARY CONSTR. EASEMENT

PROP. R/W

PROP. 6' CONC. SIDEWALK

PT 20+67.17

POT 3+59.49

PC 20+53.40

PROP. TIER 3 BUS STOP
CUE STOP NO. 67
13' x 5' PAD W/BENCH

FAIRFAX BOULEVARD
CONSTR. ℄

PROP. R/W

PROP. TEMPORARY CONSTR. EASEMENT

EXIST. C&G TO REMAIN

EXIST. C&G TO REMAIN

EXIST. C&G TO REMAIN

PC 12+46.27

N62°39'58"E
365.30'

TIE TO EXIST.
PAVEMENT MARKINGS

PT 12+04.69

N27°20'02"W
53.40'

PC 103+65.30

PI 104+97.23

100' LTL STORAGE

200' LTL TAPER

200' LTL TAPER

PC-30+17.97

S26°22'07"E
17.97'

PROP. TEMPORARY CONSTR. EASEMENT

PROP. TIER 3 BUS STOP
CUE STOP NO. 172
13' x 5' PAD W/BENCH

PI 30+79.85

PC 4+16.55

POT 6+44.74

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

007

MATCHLINE SHEET 4 - STA. 106+00.00

MATCHLINE SHEET 4 - STA. 32+00.00

CATHOLIC DIOCESE OF ARLINGTON
D.B. 5784, PG. 1821
PIN 57 1 02 112
16. 099 Ac.

TIE TO PROP. SHARED USE PATH FOR PAUL VI REDEVELOPMENT (BY OTHERS)

PROP. TEMPORARY CONSTR. EASEMENT

P.O.T. 102+06.50 FAIRFAX BOULEVARD
P.O.T. 12+34.53 WARWICK - MCLEAN
Δ = 90°00'00"

PROP. R/W
PROP. TEMPORARY CONSTR. EASEMENT

PI 11+59.16

PC 11+11.36

WARWICK WEST
CONSTR. ℄

P.O.T STA. 102+86.11 FAIRFAX BOULEVARD
P.I. STA. 20+00.00 MCLEAN NORTH
Δ = 90°00'00.00" LT.

POT 2+70.64

POT 1+50.47

POT 4+40.78

PI 4+41.16

PC 4+16.55

PT 4+25.65

PROP. R/W

POT 5+40.29

P.O.T. STA. 104+61.81 FAIRFAX BOULEVARD
P.I. STA. 30+00.00 WARWICK WEST
Δ = 90°00'00.00" TIE TO SHARED USE PATH TO BE CONSTRUCTED WITH NORTHFAX WEST DEVELOPMENT (BY OTHERS)

BEGIN CONSTRUCTION
WARWICK - MCLEAN ℄
STA. 10+73.91

003
SAGAAR LLC
D.B. 25200, PG. 2180
PIN 57 2 02 083
0. 296 Ac.

004
MGB PROPERTIES II, LLC
D.B. 16570, PG. 282
PIN 57 2 02 082
0. 817 Ac.

005
KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

N03°13'27"E
111.36'

WARWICK - MCLEAN ℄
CONSTR. ℄

BEGIN PROJECT 0050-151-225, R201
WARWICK - MCLEAN ℄
STA. 10+66.93

ADAM D. DULL AND STEPHANIE A. DULL
D.B. 25077, PG. 267
PIN 57 2 02 088
0. 459 Ac.

ENTRANCE ALIGNMENT TANGENT DATA TABLES

1	S86°46'33"E 50.47'	4A	S26°04'16"W 16.55'
2	S27°20'02"E 70.64'	4B	S03°52'54"W 15.13'
3	N26°29'48"W 59.49'	5	S03°33'00"W 40.29'
		6	N03°33'00"E 44.74'

CURVE NO. 1
PI = 11+59.16
DELTA = 30°33'29.25" (LT)
D = 32°44'26"
T = 47.81'
L = 93.33'
R = 175.00'
PC = 11+11.36
PT = 12+04.69
e = N.C.
V = 20 MPH

CURVE NO. 2
PI = 13+07.14
DELTA = 59°16'05.53" (LT)
D = 53°32'51"
T = 60.87'
L = 110.68'
R = 107.00'
PC = 12+46.27
PT = 13+56.95
e = N.C.
V = 20 MPH

CURVE NO. 3
PI = 20+60.47
DELTA = 31°33'02.36" (RT)
D = 229°10'59"
T = 7.06'
L = 13.77'
R = 25.00'
PC = 20+53.40
PT = 20+67.17
e = N.C.
V = 20 MPH

CURVE NO. 4
PI = 104+97.23
DELTA = 02°19'31.56" (RT)
D = 00°52'53"
T = 131.92'
L = 263.81'
R = 6,500.00'
PC = 103+65.30
PT = 106+29.11
e = N.C.
V = 35 MPH

CURVE NO. 5
PI = 30+79.85
DELTA = 60°04'53.04" (LT)
D = 53°32'51"
T = 61.88'
L = 112.20'
R = 107.00'
PC = 30+17.97
PT = 31+30.17
e = N.C.
V = 20 MPH

CURVE NO. 6
PI = 4+21.16
DELTA = 22°11'22.76" (LT)
D = 243°48'43"
T = 4.61'
L = 9.10'
R = 23.50'
PC = 4+16.55
PT = 4+25.65
e = N/A
V = N/A

UTILITY OWNERS:
- DOMINION POWER - CHRISTINE JULIANO - (703) 431-6559
- CITY OF FAIRFAX WATER - ROBERT COTTON - RCOTTEN@FAIRFAXWATER.ORG
- WASHINGTON NATURAL GAS - ROGER GAULT - (703) 750-4285
- ZAYO COMMUNICATIONS - BRAD LEATHERMAN - (703) 928-0649
- FIBERLIGHT COMMUNICATIONS - PETE ZDEBSKI - (443) 509-4658
- MCI - ADAM RICE - (571) 220-8978
- COX COMMUNICATIONS - THOMAS PORTER - (703) 480-2815
- AT & T COMMUNICATIONS - CRYSTAL BALWINSKI - (703) 444-3060
- VERIZON - SCOTT SISK - (703) 694-6530

LEGEND

1. VDOT St'd. CG-6 Req'd.
2. VDOT St'd. CG-2 Req'd.
3. VDOT St'd. MS-1 Conc.Median Req'd.
4. VDOT St'd. MS-1A Conc. Median Req'd.
5. VDOT St'd. MS-2 Grass Median Req'd.
6. VDOT St'd. CG-12 Ty. A Req'd.
7. VDOT St'd. CG-12 Ty. B Req'd.
8. Prop. Conc. Shared Use Path Req'd.
9. Prop. 5' Conc. Sidewalk Req'd.
10. VDOT St'd. RI2 Refuge Island
11. Prop. St'd. UD-4 Req'd.
12. Prop. Traffic Signal Pole
13. Prop. 8' Conc. Sidewalk Req'd.

Denotes New Pavement
Denotes Pavement Resurfacing
Denotes New Concrete
C Denotes Construction Limits in Cuts
F Denotes Construction Limits in Fills

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

Typical Sections	2A(1) - 2A(2)
Roadway Profiles	3A - 3C
Drainage Descriptions	6
Storm Sewer Profiles	7
Traffic Signal Plan	8(4)

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

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	3

9/29/2023
4:56:16 PM

dll554503x.dgn
Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

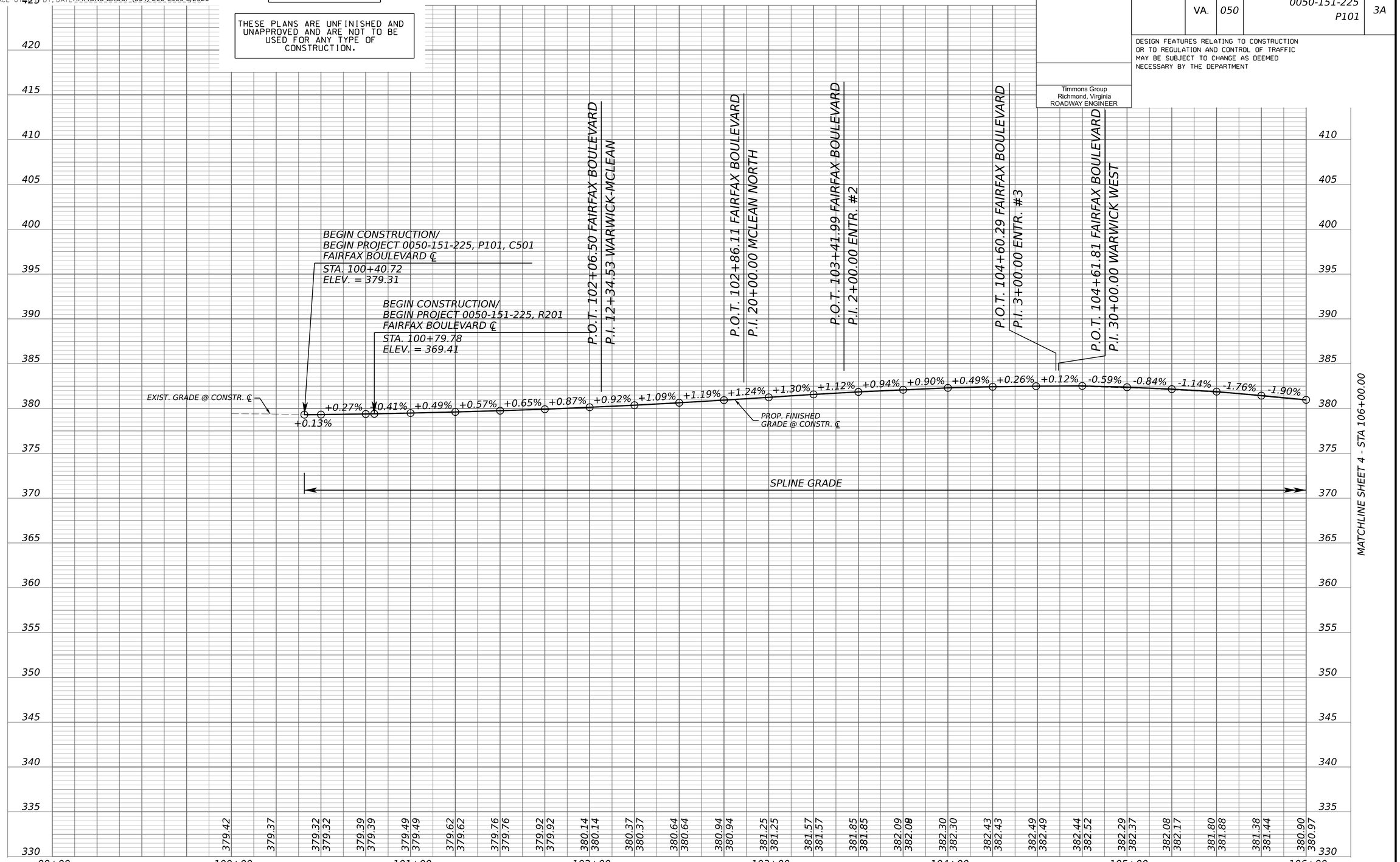
PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	3A

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MATCHLINE SHEET 4 - STA 106+00.00

FAIRFAX BLVD

PROJECT	SHEET NO.
0050-151-225	3A

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

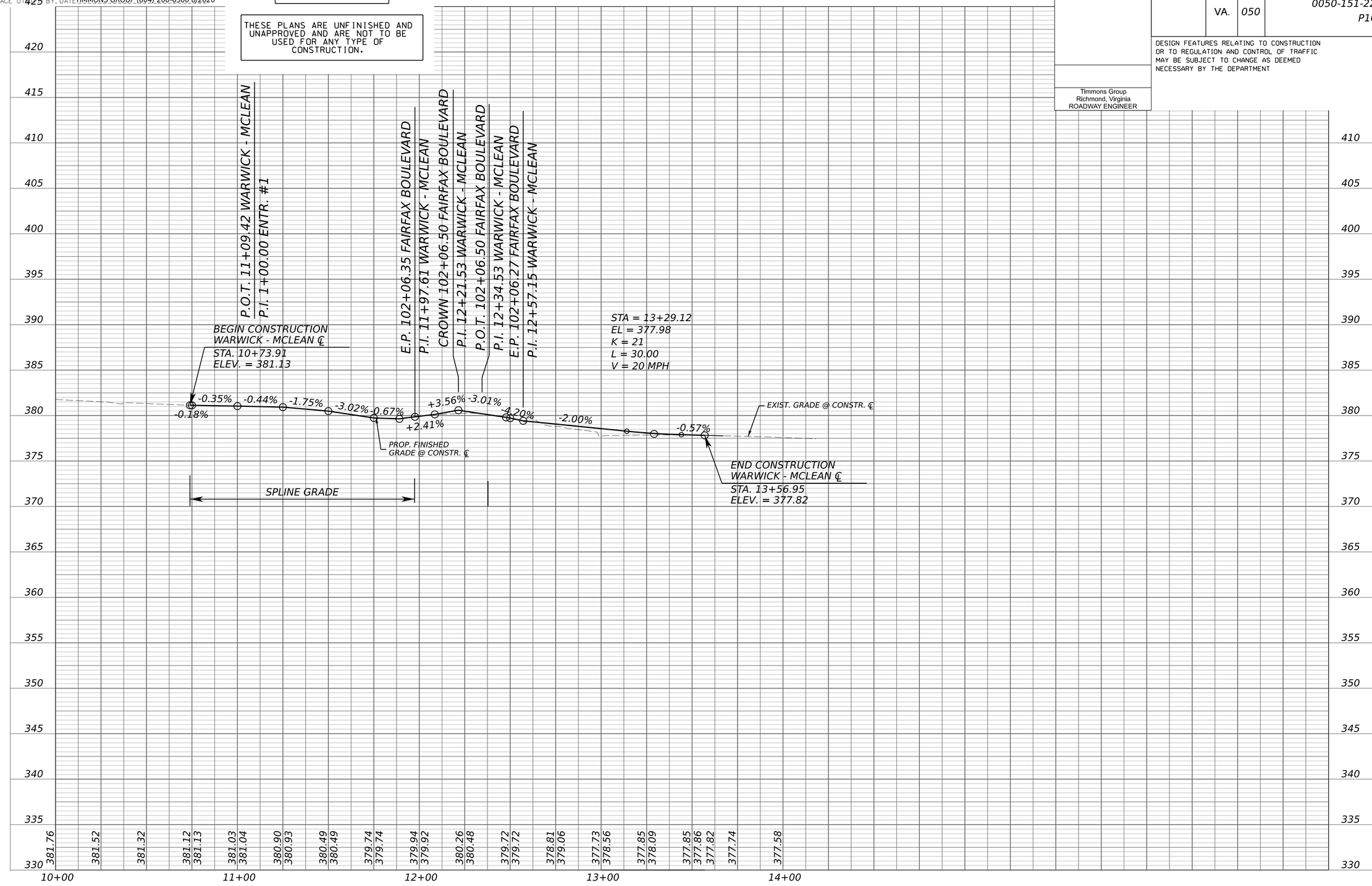
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



WARWICK-MCLEAN

PROJECT	SHEET NO.
0050-151-225	3B

9/29/2023
4:56:18 PM

dll554503x.dgn
Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

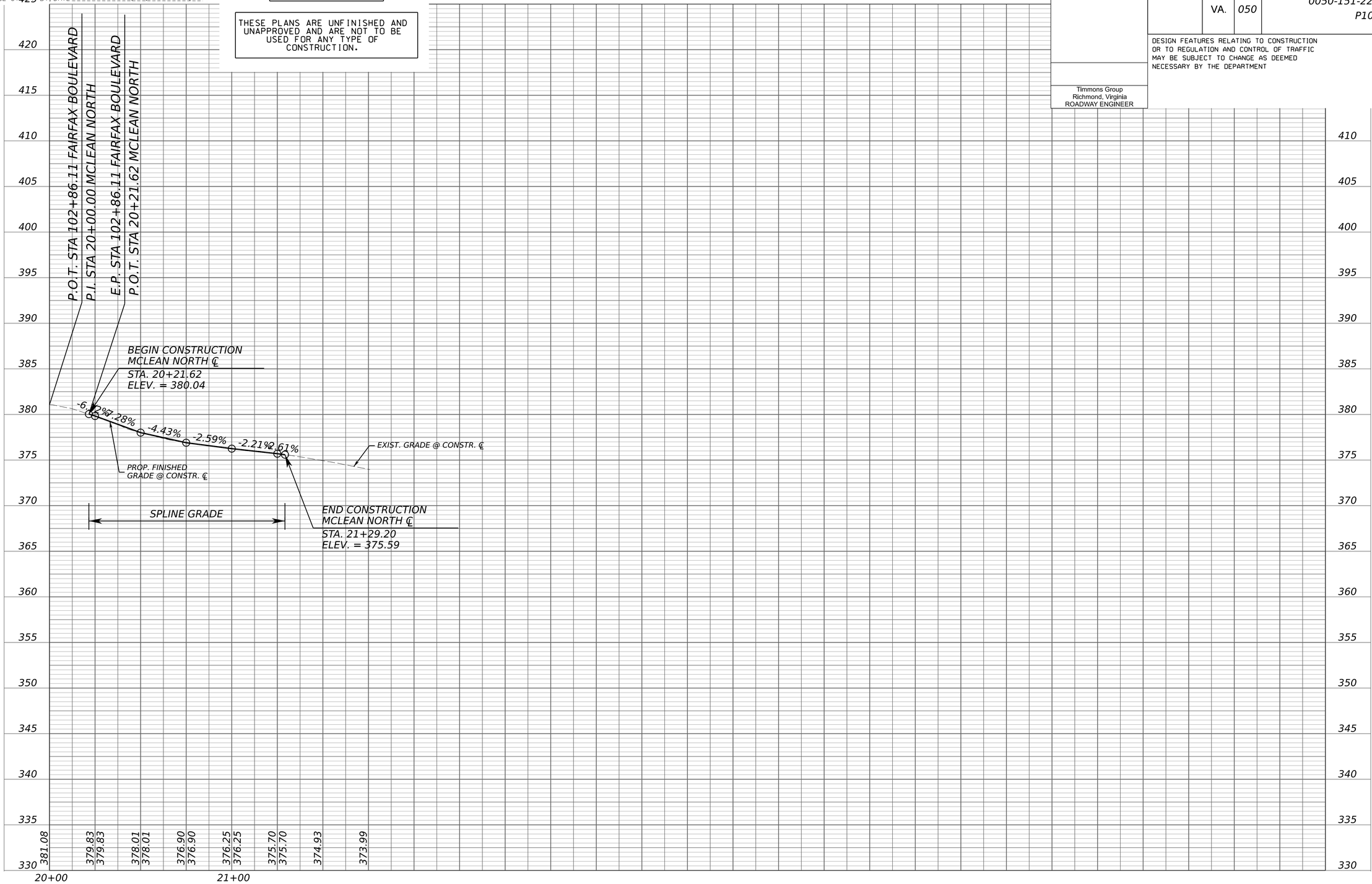
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



MCLEAN NORTH

PROJECT	SHEET NO.
0050-151-225	3C

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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SYMBOL LEGEND

- ■ Prop. R/W Monument (St'd. RM-2)
- 00.00' / +00.00 Prop. Right of Way
- (00.00' / +00.00) Prop. Temp. (Constr., Entr. Reconstr.) Ease.

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

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

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
2/7/2023	VA.	050	0050-151-225 P101	3RW

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

Timmons Group
Richmond, Virginia
LAND SURVEYOR

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

NOTES:

1. THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS. 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.

CATHOLIC DIOCESE OF ARLINGTON
D.B. 5784, PG. 1821
PIN 57 1 02 112
16. 099 Ac.

NOTES CONT.:

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. THE INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A BOUNDARY SURVEY.
7. PROPERTY INFORMATION IS BASED ON DEEDS AND PLATS OF RECORD AND PHYSICAL EVIDENCE FOUND. ALL MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.

LINE TABLE		
LINE	LENGTH	BEARING
L1	12.57	N27°20'02"W
L2	19.15	N62°39'58"E
L3	25.13	N27°20'02"W
L4	14.70	N85°14'48"W
L5	11.09	N4°45'12"E
L6	41.06	N62°39'58"E
L7	NOT USED	
L8	14.39	N27°23'20"W
L9	28.85	S49°00'32"W
L10	55.36	S62°39'58"W
L11	10.47	N27°20'02"W
L12	18.30	S62°39'58"W
L13	19.41	N27°18'18"W
L14	16.59	N86°20'14"W

LINE TABLE		
LINE	LENGTH	BEARING
L15	38.18	S3°13'27"W
L16	7.67	S62°39'58"W
L17	6.51	N27°20'02"W
L18	20.00	S62°39'58"W
L19	111.86	S62°39'58"W
L20	12.76	N3°19'50"E
L21	2.73	S3°52'54"W
L22	195.65	N86°27'00"W
L33	86.98	S86°27'00"E
L34	15.50	S69°34'10"E
L35	46.56	S86°27'00"E
L36	13.67	N84°44'45"E
L37	21.21	S25°46'46"E

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C1	1°52'32"	6539.50	214.08	107.05	N63°36'14"E	214.07
C2	16°13'30"	204.50	57.91	29.15	S4°53'18"E	57.72
C3	20°01'57"	34.50	12.06	6.09	S2°59'05"E	12.00
C4	36°03'03"	28.50	17.93	9.27	S33°47'38"W	17.64
C5	0°11'55"	10854.01	37.64	18.82	N85°46'01"W	37.64
C6	1°05'50"	6444.50	123.41	61.71	S64°26'34"W	123.41

ENTRANCE ALIGNMENT TANGENT DATA TABLES

①	S86°46'33"E 50.47'	④A	S26°04'16"W 16.55'
②	S27°20'02"E 70.64'	④B	S03°52'54"W 15.13'
③	N26°29'48"W 59.49'	⑤	S03°33'00"W 40.29'
		⑥	N03°33'00"E 44.74'

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

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	3RW

MATCHLINE SHEET 4RW - STA. 106+00.00

MATCHLINE SHEET 4RW - STA. 32+00.00

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

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

LEGEND

1. VDOT St'd. CG-6 Req'd.
2. VDOT St'd. CG-2 Req'd.
3. VDOT St'd. MS-1 Conc.Median Req'd.
4. VDOT St'd. MS-1A Conc. Median Req'd.
5. VDOT St'd. MS-2 Grass Median Req'd.
6. VDOT St'd. CG-12 Ty. A Req'd.
7. VDOT St'd. CG-12 Ty. B Req'd.
8. Prop. Conc. Shared Use Path Req'd.
9. Prop. 5' Conc. Sidewalk Req'd.
10. VDOT St'd. RI2 Refuge Island
11. Prop. St'd. UD-4 Req'd.
12. Prop. Traffic Signal Pole
13. Prop. 8' Conc. Sidewalk Req'd.

Denotes New Pavement
Denotes Pavement Resurfacing
Denotes New Concrete
C ___ Denotes Construction Limits in Cuts
F ___ Denotes Construction Limits in Fills

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
2/7/2023	VA.	050	0050-151-225 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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 3 - STA. 106+00.00

MATCHLINE SHEET 3 - STA. 32+00.00

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 009
3.8795 Ac.

NORTHFAX WEST SITE DEVELOPMENT (BY OTHERS)

POT 54+76.82

N25°06'29"W 151.23'

END CONSTRUCTION FARR AVENUE ℄ STA. 53+95.91

NORTHFAX WEST SITE DEVELOPMENT BY OTHERS

FAIRFAX BOULEVARD CONSTR. ℄

PT 106+29.11

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 010
3.8795 Ac.
RETROFIT PROP. CG-12 RAMP INTO CURB RETURN & SIDEWALK (TYP.)

P.O.T. STA. 108+08.72 FAIRFAX BOULEVARD
P.O.T. STA. 53+46.37 FARR AVENUE
Δ = 90°00'00.00"

END PROJECT 0050-151-225, R201
FAIRFAX BOULEVARD ℄
STA. 108+77.41

200' LTL STORAGE

PI 53+25.59

PROP. R/W

PROP. TEMPORARY CONSTR. EASEMENT

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

VDOT ST'D CG-9D REQ'D. W = 22', R = 6.5'
ENTRANCE #8
POT 8+47.00

PC 52+50.00

PROP. TEMPORARY CONSTR. EASEMENT

PI 52+89.45

POT 10+42.15

WARWICK WEST CONSTR. ℄

S86°27'00"E 192.36'

N15°21'57"E 148.31'

KBR FAIRFAX L.L.C.
D.B. 25821, PG. 1910
PIN 57 2 02 077
0. 2870 Ac.

FARR AVENUE CONSTR. ℄

PROP. TEMPORARY CONSTR. EASEMENT

P.O.T. STA. 51+05.81 FARR AVENUE
P.I. STA. 40+00.00 WARWICK EAST
Δ = 78°04'06"

POT 9+36.45

ENTRANCE #9
VDOT ST'D CG-9D
W = 22', R = 6.5'

PROP. R/W

PROP. TEMPORARY CONSTR. EASEMENT

P.O.T. STA. 51+01.40 FARR AVENUE
P.I. STA. 33+22.54 WARWICK WEST
Δ = 95°41'07"

PI 51+01.70

POT 33+22.54

BEGIN R/W FARR AVENUE ℄ STA. 50+60.47

BEGIN CONSTRUCTION FARR AVENUE ℄ STA. 50+47.28

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

WILLIAM M. ROCABADO
D.B. 22304, PG. 969
PIN 57 2 02 112
0. 344 Ac.

WARWICK EAST CONSTR. ℄

S09°14'18"E 101.70'

S86°33'57"E 220.51'

END R/W WARWICK EAST ℄ STA. 40+74.16

ROBERT P. MILLER AND LARRY C. MILLER
D.B. 9351, PG. 1801
PIN 57 2 02 076 A
0. 318 Ac.

REPLACE EXIST. SW AND ENTR. IN-KIND WITH CG-12 DWS

TIE TO EXIST. SIDEWALK

TIE TO EXIST. CURB

END CONSTRUCTION WARWICK EAST ℄ STA. 42+12.46

POT 42+20.51

DINH NGUYEN AND LY VU
D.B. 12895, PG. 956
PIN 57 2 02 114
0. 398 Ac.

N64°59'29"E 501.22'

75' LTL STORAGE

125' LTL TAPER

PROP. VAR. WIDTH CONC. MEDIAN

END CONSTRUCTION/ END PROJECT 0050-151-225, P101, C501 FAIRFAX BOULEVARD ℄ STA. 110+56.03

POT 111+30.33

GLASCOCK & SONS, LP
PIN 57 2 02 014
0. 321 Ac.

GLASCOCK & SONS, LP
D.B. 9172, Pg. 571
PIN 57 2 02 015
0. 928 Ac.

Approx. Parcel Line Per 0029-151-105 Plan. No Legal Reference For This Property.

LARRY C. MILLER
D.B. 16847, PG. 2034
PIN 57 2 02 073 A
1. 269 Ac.

3.5-Story Brick Commercial #10565
FF = 355. 85

Ex. Ingress-Egress Esmt. D.B. 6341, Pg. 670

Ex. Storm Drainage Esmt. D.B. 24452, Pg. 219

3-Story Stucco Restaurant #10579

3-Story Frame Commercial #10601
FF = 381. 03

2-Story Brick Dwelling #3700 -3702

Ex. Coupling Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219

Ex. Drainage Esmt. D.B. 24452, Pg. 219

Ex. Cooperative Agreement D.B. 24452, Pg. 219

Ex. Drainage Esmt. D.B. 24452, Pg. 219

Ex. Drainage Esmt. D.B. 24452, Pg. 219

Ex. Drainage Esmt.

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

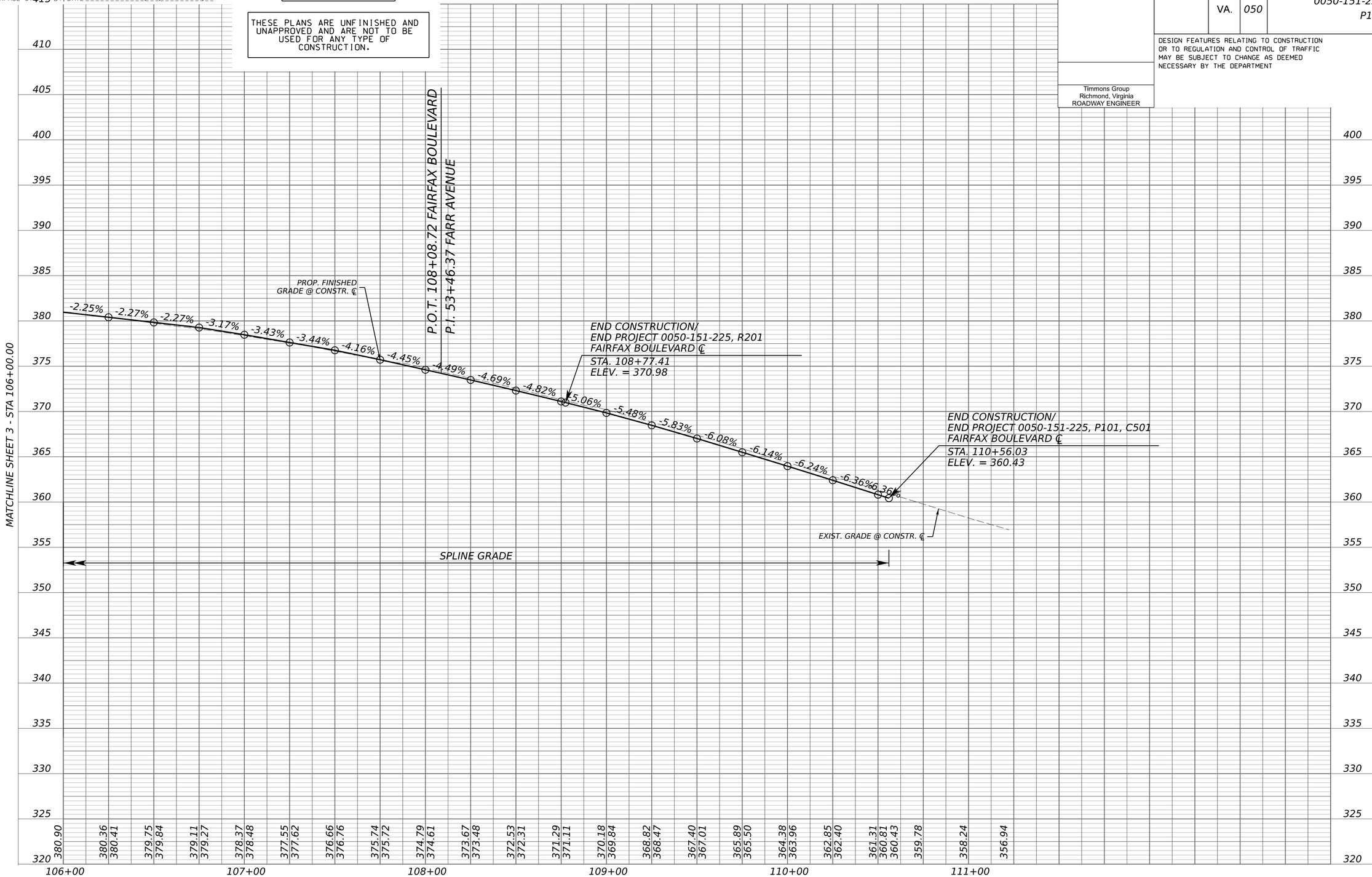
PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	4A

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



FAIRFAX BLVD

PROJECT	SHEET NO.
0050-151-225	4A

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

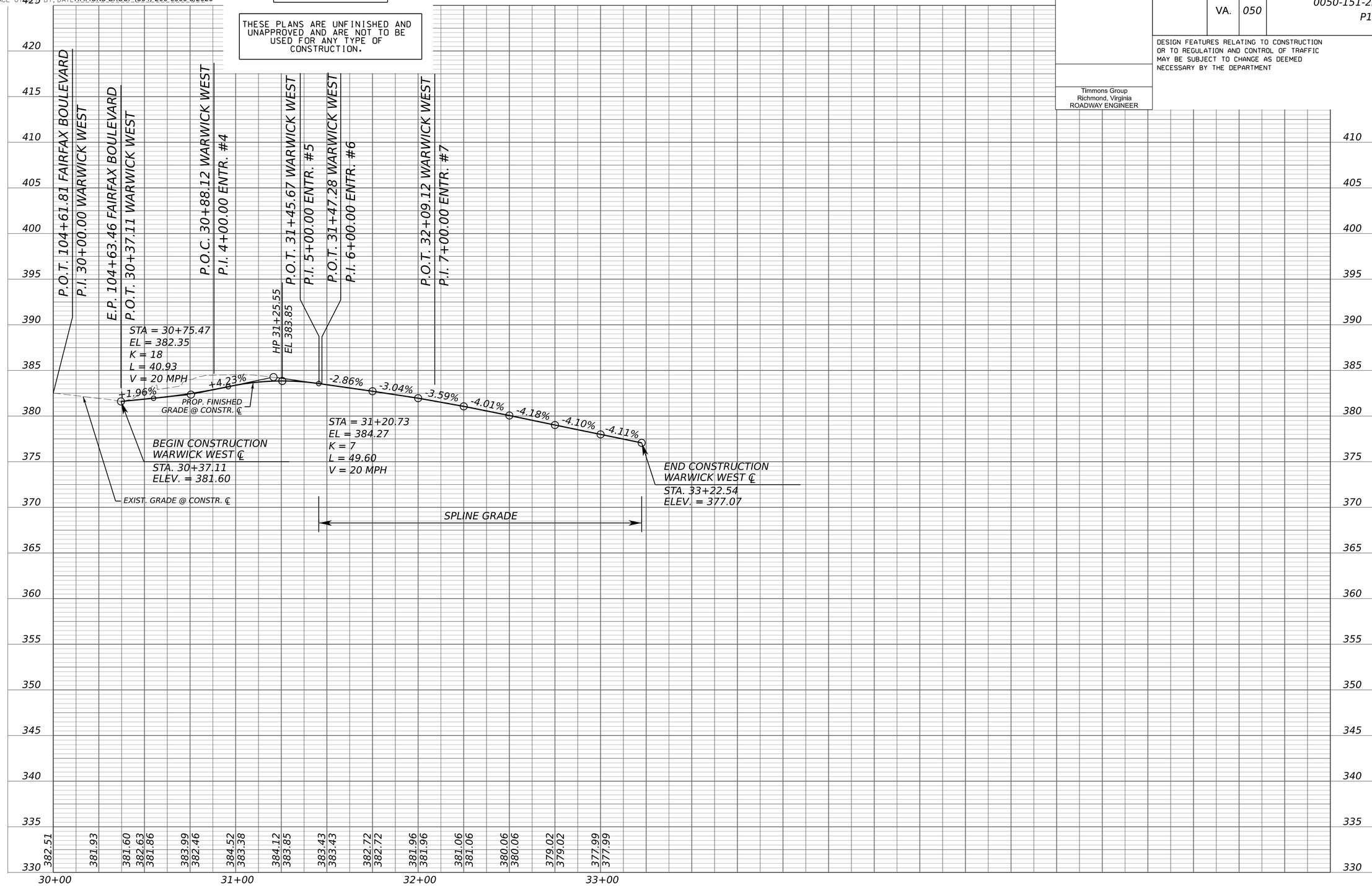
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	4B

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



WARWICK WEST

PROJECT	SHEET NO.
0050-151-225	4B

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

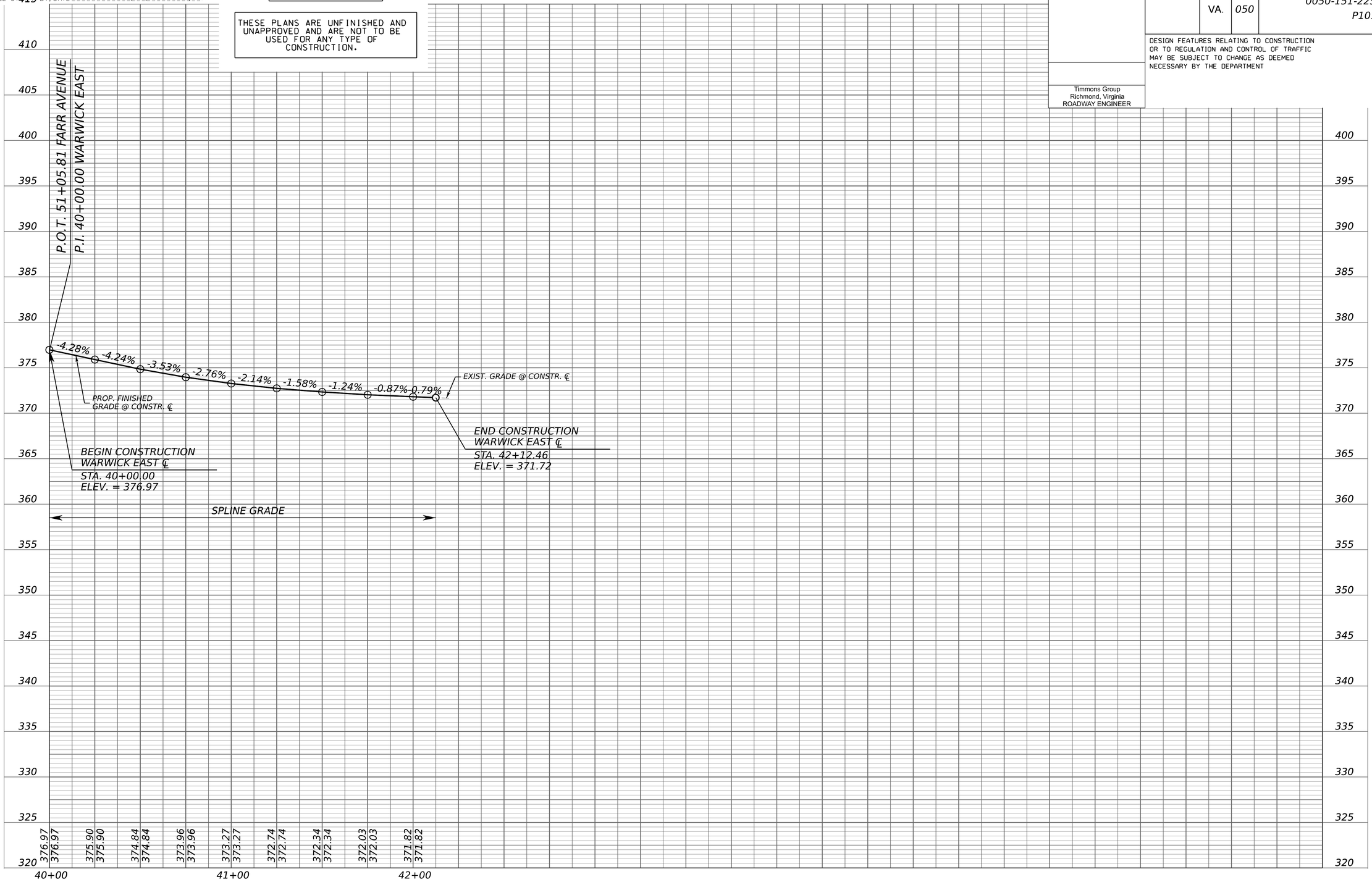
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	4C

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



WARWICK EAST

PROJECT	SHEET NO.
0050-151-225	4C

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITIES BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

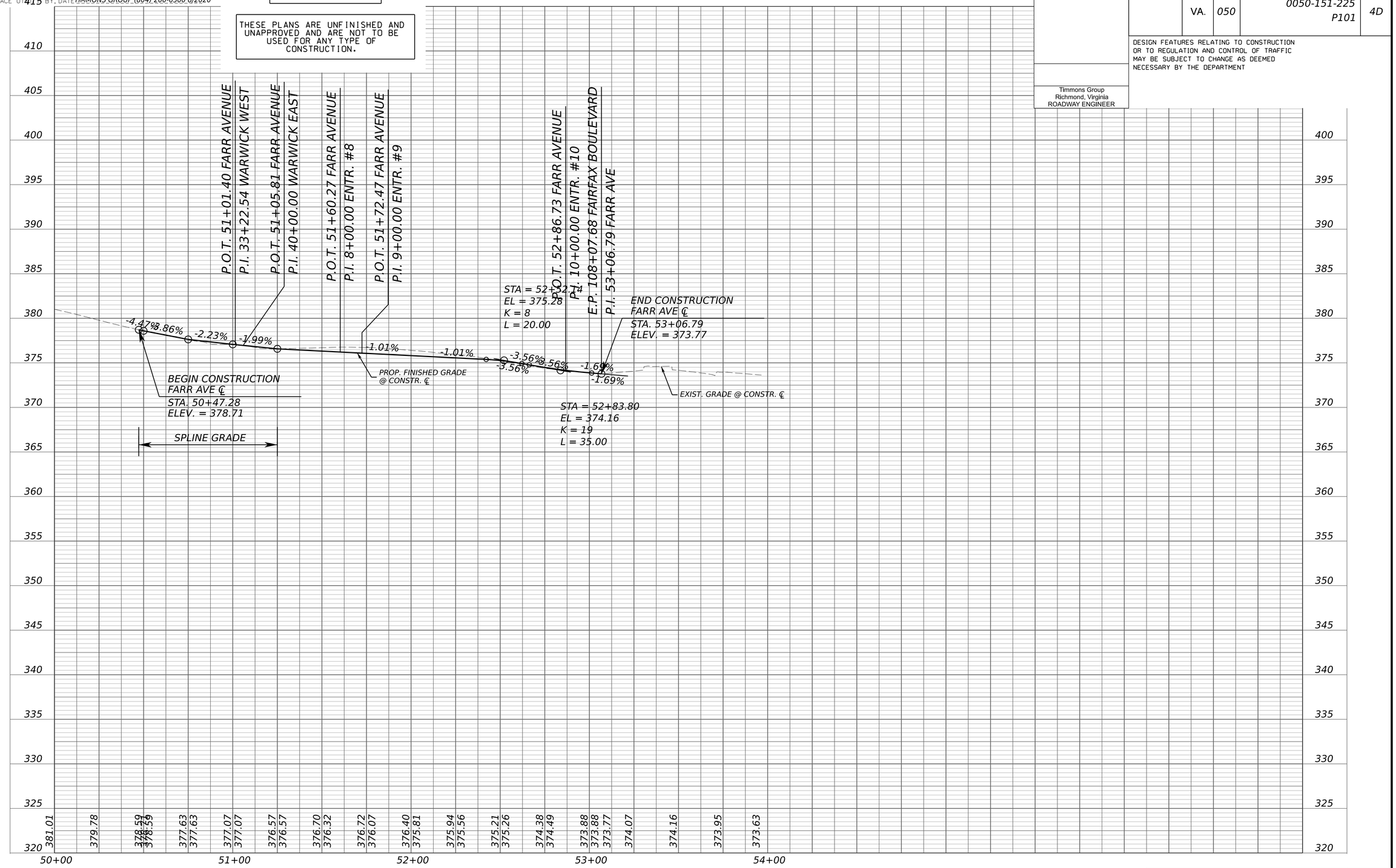
PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	4D

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



FARR AVE

PROJECT	SHEET NO.
0050-151-225	4D

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

LINE TABLE		
LINE	LENGTH	BEARING
L22	195.65	N86°27'00"W
L23	12.73	N37°41'42"W
L24	128.66	S64°59'29"W
L25	6.07	N27°20'02"W
L26	7.89	S62°39'58"W
L27	14.48	N44°35'53"W
L28	57.43	N15°21'57"E
L29	11.18	N41°55'51"E
L30	53.92	N15°21'57"E
L31	5.22	S86°27'00"E
L32	15.51	N74°44'24"E
L33	86.98	S86°27'00"E
L38	1.78	S21°37'21"E
L39	6.72	S67°47'33"W

LINE TABLE		
LINE	LENGTH	BEARING
L40	6.44	S22°12'27"E
L41	17.99	S41°28'39"W
L42	33.20	S15°21'57"W
L43	3.05	N74°38'03"W
L44	68.16	S15°05'51"W
L45	3.23	S74°08'06"E
L46	45.36	S15°21'57"W
L47	25.71	S27°50'42"E
L48	15.07	S78°58'16"E
L49	7.21	S86°33'57"E
L50	0.06	S15°08'48"W

SYMBOL LEGEND

- ■ *Prop. R/W Monument (St'd. RM-2)*
- *00.00' / +00.00* *Prop. Right of Way*
- *(00.00' / +00.00)* *Prop. Temp. (Constr., Entr. Reconstr.) Ease.*

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

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

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

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.
2/7/2023	VA.	050	0050-151-225 P101	4RW

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

MATCHLINE SHEET 3RW - STA. 106+00.00

MATCHLINE SHEET 3RW - STA. 32+00.00

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 009
3.8795 Ac.

POT 54+76.82

Ex. R/W

(N5°32'03"E)

END CONSTRUCTION
FARR AVENUE ℄
STA. 53+95.91

N25°06'29"W
151.23'

GRAMM SB PROPERTIES LLC
D.B. 27795, PG. 1732
PIN 57 2 02 010
3.8795 Ac.

FAIRFAX BOULEVARD
CONSTR. ℄

54

(124.39')

P.O.T. STA. 108+08.72 FAIRFAX BOULEVARD
P.O.T. STA. 53+46.37 FARR AVENUE
Δ = 90°00'00.00"

END PROJECT 0050-151-225, R201
FAIRFAX BOULEVARD ℄
STA. 108+77.41

(252.95')

IRF

(N27°29'21"E)

GLASCOCK & SONS, LP
PIN 57 2 02 014
0. 321 Ac.

Based on VDOT Proj. 0050-151-225, R201, C501

Approx. Parcel Line Per 0029-151-105 Plan. No Legal Reference For This Property.

GLASCOCK & SONS, LP
D.B. 9172, Pg. 571
PIN 57 2 02 015
0. 928 Ac.

RW Note 8

(S64°53'33"W 53.28')

(N62°17'31"E 227.23')

POT 111+30.33

PT 106+29.11

106

107

108

109

110

111

(L17)

N64°59'29"E
501.22'

PT 53+25.59

END CONSTRUCTION/ END PROJECT
0050-151-225, P101, C501
FAIRFAX BOULEVARD ℄
STA. 110+56.03

PROP. R/W

(N65°28'18"E 107.00')

(63.00' / +53.08) (55.50' / +57.78) (61.57' / +58.02) (61.25' / +65.91)

53

(41.12' / +95.38) (54.80' / +05.78) (57.29' / +98.53)

Ex. Grading Agreement & Temp. Const. Esmt. D.B. 24452, Pg. 219

RW Note 2
RW Note 4
RW Note 3
(L11)
(L15)
RW Note 6
RW Note 7
RW Note 5

(48.15' / +05.15) (49.18' / +00.76) (54.80' / +05.78) (54.59' / +06.94)

L24

C6

Ex. R/W

PC 52+50.00

L25 L26 L27

PROP. TEMPORARY CONSTR. EASEMENT

007
KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

(-29.00' / +38.57) (-29.00' / +09.86)

(-19.45' / +54.43)

(35.16' / +92.68)

L38 L39 L40 L41

PROP. TEMPORARY CONSTR. EASEMENT

PI 52+89.45

POT 10+42.15

(22.83' / +68.23) (25.84' / +67.82)

(L4)

(L16)

(C5)

(N64°56'31"E 74.22')

RW Note 3

(N65°18'10"E 59.67')

RW Note 8

IRF

Ex. Storm Drainage Esmt. D.B. 24452, Pg. 219

L43

RW Note 3
PROP. R/W
RW Note 5

(-39.36' / +09.86) (-19.50' / +96.19)

L28

199.06')

(N15°08'48"E

L44

009
KBR FAIRFAX L.L.C.
D.B. 25821, PG. 1910
PIN 57 2 02 077
0. 2870 Ac.

(22.60' / +65.86) (30.29' / +89.56) (21.28' / +56.83) (22.26' / +60.41)

RW Note 8
RW Note 3

Ex. Ingress-Egress Esmt. D.B. 6341, Pg. 670

(S15°08'48"W 114.07')

WARWICK WEST
CONSTR. ℄

PROP. R/W

(-39.36' / +29.61) (-29.00' / +70.16)

L29 L30 L31 L32 C7

147.59'

(S15°12'56"W

N15°21'57"E
148.31'

(24.50' / +03.83) (25.66' / +03.82) (25.78' / +95.16) (27.50' / +98.19)

L45

(N86°30'12"W 125.01')

IRF

FARR AVENUE
CONSTR. ℄

PROP. TEMPORARY CONSTR. EASEMENT

P.O.T. STA. 51+05.81 FARR AVENUE
P.I. STA. 40+00.00 WARWICK EAST
Δ = 78°04'06"

(-19.50' / +71.73) (-24.50' / +86.41) (-24.50' / +92.88) (24.50' / +32.27) (24.50' / +86.19)

(21.50' / +69.66) (31.80' / +55.08) (24.50' / +58.47)

(S15°08'48"W 106.96')

(21.27' / +03.86) (24.50' / +03.83)

POT 9+36.45

41

S86°27'00"E
192.36'

POT 8+47.00

32

33

(N27°58'18"E 324.88')

Ex. R/W

L22

(24.50' / +94.91) (34.07' / +03.30) (34.50' / +92.62) (39.11' / +02.26)

PROP. R/W
PROP. TEMPORARY CONSTR. EASEMENT
P.O.T. STA. 51+01.40 FARR AVENUE
P.I. STA. 33+22.54 WARWICK WEST
Δ = 95°41'07"

POT 7+38.25

51

00+00+8 (24.49' / +48.20)

PK Nail

L47 L48 L49 L50

IPF

Ex. R/W

(L10) (L9)

(-22.50' / +63.14)

END R/W
WARWICK EAST ℄
STA. 40+74.16

ROBERT P. MILLER AND LARRY C. MILLER
D.B. 9351, PG. 1801
PIN 57 2 02 076 A
0. 318 Ac.

(-40.67' / +74.12) (-22.50' / +70.35)

(N86°31'30"W 142.96')

(-22.50' / +70.35)

S86°33'57"E
220.51'

42

END CONSTRUCTION
WARWICK EAST ℄
STA. 42+12.46

POT 42+20.51

BEGIN R/W
FARR AVENUE ℄
STA. 50+60.47

005
BEGIN CONSTRUCTION
FARR AVENUE ℄
STA. 50+47.28
KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

Ex. R/W

S00°09'14"E
101.70'

POT 33+22.54

PI 51+01.70

WILLIAM M. ROCABADO
D.B. 22304, PG. 969
PIN 57 2 02 112
0. 344 Ac.

WARWICK EAST
CONSTR. ℄

Ex. R/W

IPF

(N15°08'48"E) (Leaning)

(S15°12'56"W)

DINH NGUYEN AND LY VU
D.B. 12895, PG. 956
PIN 57 2 02 114
0. 398 Ac.

(S1°34'58"E)

(S86°27'58"E 421.15')

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

ENTRANCE ALIGNMENT TANGENT DATA TABLES

- ⑦ *S03°33'00"W 38.25'*
- ⑧ *N74°38'03"W 47.00'*
- ⑨ *S74°38'03"E 36.45'*
- ⑩ *S74°38'03"E 42.15'*

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C6	1°05'50"	6444.50	123.41	61.71	S64°26'34"W	123.41
C7	78°11'04"	13.50	18.42	10.97	N54°27'29"E	17.03

LARRY C. MILLER
D.B. 16847, PG. 2034
PIN 57 2 02 073 A
1. 269 Ac.

NOTES:

1. *THIS RIGHT OF WAY SHEET REPRESENTS A FIELD RUN PERIMETER SURVEY OF THE PROPOSED R/W LIMITS. 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. *THE INFORMATION SHOWN ON THIS PLAN SHEET WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A BOUNDARY SURVEY.*
7. *PROPERTY INFORMATION IS BASED ON DEEDS AND PLATS OF RECORD AND PHYSICAL EVIDENCE FOUND. ALL MONUMENTATION TO BE SET UPON COMPLETION OF CONSTRUCTION.*

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	4RW

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

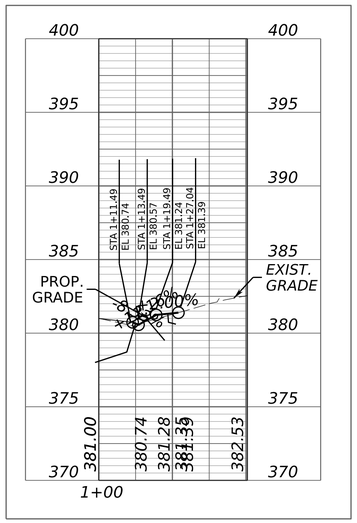
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ENTRANCE PROFILES

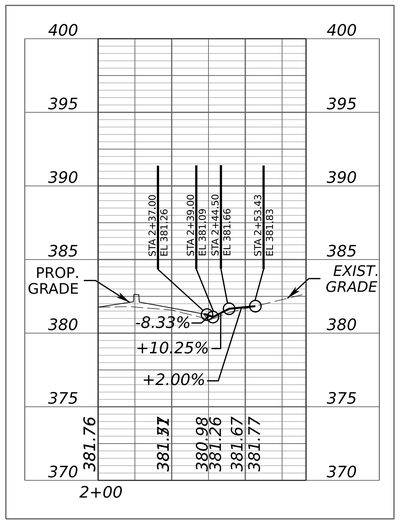
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	5

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

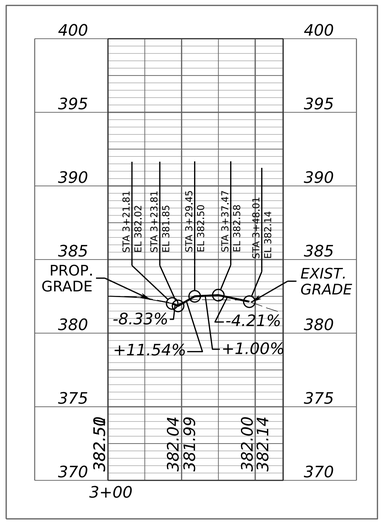
Timmons Group
Richmond, Virginia
ROADWAY ENGINEER



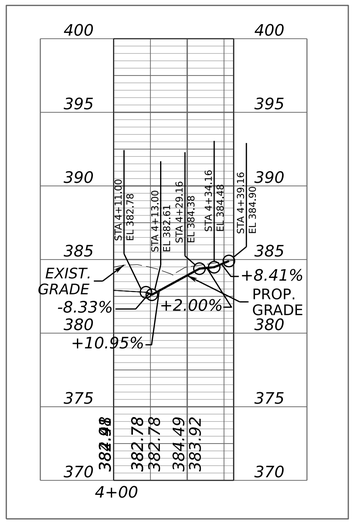
ENTR. NO. 1



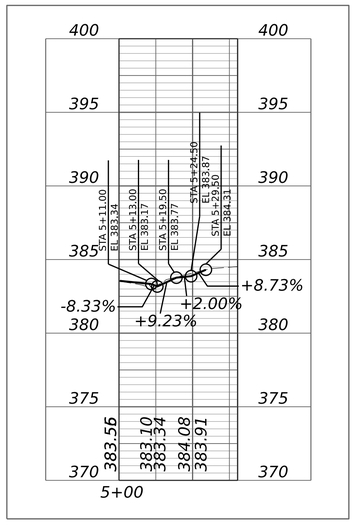
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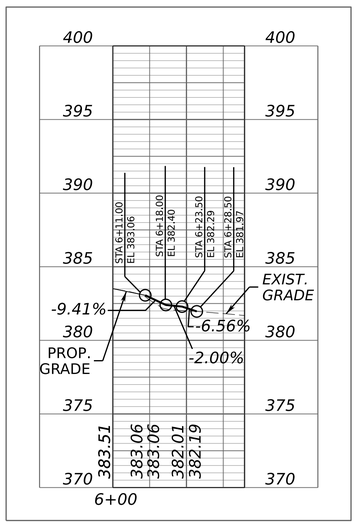
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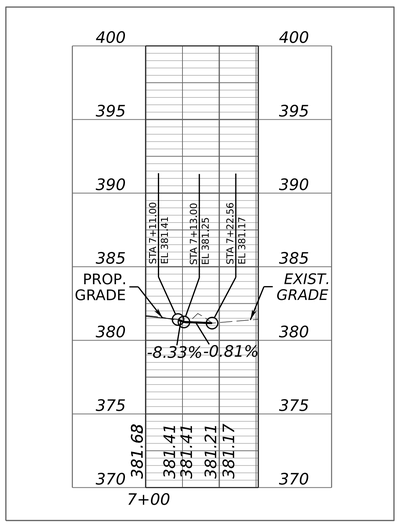
ENTR. NO. 4



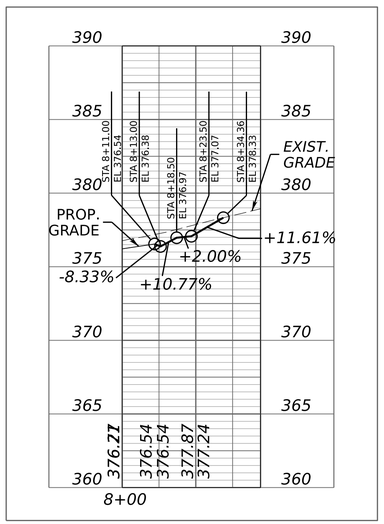
ENTR. NO. 5



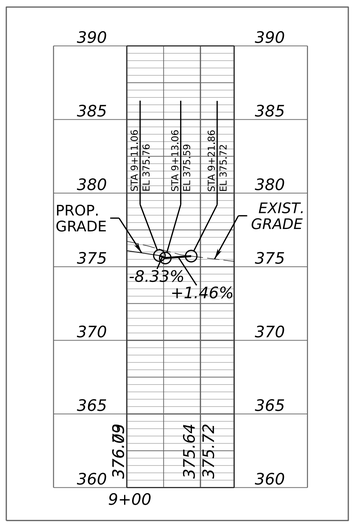
ENTR. NO. 6



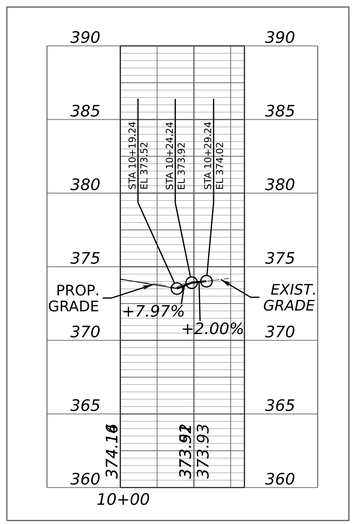
ENTR. NO. 7



ENTR. NO. 8



ENTR. NO. 9



ENTR. NO. 10

	PROJECT	SHEET NO.
	0050-151-225	5

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

NOTE: ALL STORM SEWER PIPE IS TO BE MIN.CLASS III RCP UNLESS OTHERWISE NOTED ON THE PLAN.

3-1
1 ST'D. DI-3B REQ'D, L=6' (TYPE B NOSE)
INV. = 377.70', H = 3.1' (BELOW MIN.)

3-1 3-2
24' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 377.40', INV. (OUT) = 377.25'
COVER = 1' & VAR.

3-2
1 MOD. DI-3C REQ'D, L=6' (TYPE B NOSE)
INV. = 377.15', H = 3.0' (BELOW MIN.)
ST'D. IS-1 REQ'D.
REPLACE THROATS WITH FULL LENGTH CHAMBER

3-2 3-3
24' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 377.15', INV. (OUT) = 377.00'
COVER = 1' & VAR.

3-3
1 ST'D. DI-3B REQ'D, L=6' (TYPE B NOSE)
INV. = 376.90', H = 3.5' (BELOW MIN.)
ST'D. IS-1 REQ'D., 1 - ST'D. UD-4 CONN. REQ'D.

3-3 3-5
15' - 15" CLASS IV RCP STORM SEWER PIPE REQ'D.
INV. (IN) = 376.90', INV. (OUT) = 376.71'
COVER = 1' & VAR.

3-4
1 ST'D. DI-1 REQ'D
INV. = 376.70', H = 2.2'

3-4 3-5
22' - 12" CLASS IV RCP STORM SEWER PIPE REQ'D.
INV. (IN) = 376.70', INV. (OUT) = 376.61'
COVER = 1' & VAR.

3-5
2.5 L.F. ST'D. MH-1 OR 2 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
INV. = 376.61'
ST'D. IS-1 REQ'D.
EXTEND EX. 15" PIPE 9' TO NEW MANHOLE

3-6
CONVERT EX. DROP INLET TO MANHOLE
1 ST'D. MH-1 FRAME & COVER REQ'D.
INV. = 375.43'
ST'D. IS-1 REQ'D.
CONNECT TO EX. 15" PIPE FROM SOUTH

3-6 3-9
28' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 375.43', INV. (OUT) = 375.10'
COVER = 2' & VAR.

3-7
1 ST'D. DI-3A REQ'D (TYPE B NOSE)
INV. = 375.60', H = 2.7' (BELOW MIN.)
1 - ST'D. UD-4 CONN. REQ'D.

3-7 3-8
59' - 15" CLASS IV RCP STORM SEWER PIPE REQ'D.
INV. (IN) = 375.60', INV. (OUT) = 375.10'
COVER = 1' & VAR.

3-8
1 ST'D. DI-3A REQ'D (TYPE B NOSE)
INV. = 375.10', H = 3.6' (BELOW MIN.)

3-8 3-9
14' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 375.10', INV. (OUT) = 375.00'
COVER = 2' & VAR.

3-9
3.4 L.F. ST'D. MH-1 OR 2 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
ST'D. IS-1 REQ'D.
SET INVERT ON EX. 15" PIPE TO NORTH

3-10
1 ST'D. DI-3A REQ'D, (TYPE B NOSE)
INV. = 373.70', H = 3.7' (BELOW MIN.)
1 - ST'D. UD-4 CONN. REQ'D.
CONNECT UD-4 TO STRUCTURE, ST'D. IS-1 REQ'D.

3-10 3-11
3' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 373.70', INV. (OUT) = 373.60'
COVER = 2' & VAR.

3-11
SFMH72 CONTECH STORMFILTER REQ'D.
4 - 18" FILTER CARTRIDGES REQ'D.
H = 5.9', INV. = 371.30'

3-11 3-12
15' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 371.30', INV. (OUT) = 371.20'
COVER = 3' & VAR.

3-12
5.3 L.F. ST'D. MH-1 OR 2 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
INV. = 371.20', ST'D. IS-1 REQ'D.
EXTEND EX. 15" PIPE 6' TO STRUCTURE

3-12 3-13
56' - 18" STORM SEWER PIPE REQ'D.
INV. (IN) = 371.20', INV. (OUT) = 370.81'
COVER = 2' & VAR.

3-13
4.1 L.F. ST'D. MH-1 OR 2 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
INV. = 370.81', ST'D. IS-1 REQ'D.
CONNECT EX. 15" PIPE TO STRUCTURE

4-1
1 ST'D. DI-3B REQ'D, L=10' (TYPE B NOSE)
INV. = 374.70', H = 3.9'

4-1 4-2
11' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 374.70', INV. (OUT) = 374.60'
COVER = 2' & VAR.

4-2
1 ST'D. DI-3A REQ'D (TYPE B NOSE)
INV. = 374.50', H = 4.0'
ST'D. ST-1 REQ'D., ST'D. IS-1 REQ'D.,
1 - ST'D. UD-4 CONN. REQ'D.

4-2 4-3
22' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 374.50', INV. (OUT) = 374.40'
COVER = 2' & VAR.

4-3
1 ST'D. DI-3B REQ'D, L=10' (TYPE B NOSE)
INV. = 374.30', H = 4.6'
ST'D. IS-1 REQ'D., ST'D. ST-1 REQ'D.,
1 - ST'D. UD-4 CONN. REQ'D.

4-3 4-4
29' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 374.30', INV. (OUT) = 373.80'
COVER = 3' & VAR.

4-4
1 ST'D. DI-3B REQ'D, L=6' (TYPE B NOSE)
INV. = 373.70', H = 4.6'
ST'D. IS-1 REQ'D., ST'D. ST-1 REQ'D.,
1 - ST'D. UD-4 CONN. REQ'D.

4-4 4-5
80' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 373.70', INV. (OUT) = 371.10'
COVER = 2' & VAR.

4-5
1 ST'D. DI-2A REQ'D (TYPE B NOSE)
INV. = 371.00', H = 3.5' (BELOW MIN.)
ST'D. IS-1 REQ'D., 1 - ST'D. UD-4 CONN. REQ'D.

4-5 4-6
153' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 371.00', INV. (OUT) = 367.00'
COVER = 2' & VAR.

4-6
MODIFY EX. CURB INLET
INSTALL 15" PIPE FROM NORTHWEST
@ INV. 367.00', ST'D. IS-1 REQ'D.,
1 - ST'D. UD-4 CONN. REQ'D.

4-7
1 ST'D. DI-3B REQ'D, L = 6' (TYPE B NOSE)
INV. = 372.24', H = 3.9'
ST'D. IS-1 REQ'D.,
1 - ST'D. UD-4 CONN. REQ'D.

4-7 4-8
33' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 372.24', INV. (OUT) = 371.50'
COVER = 2' & VAR.

4-8
1 ST'D. DI-3C REQ'D, L = 6' (TYPE B NOSE)
INV. = 371.40', H = 3.9'
ST'D. IS-1 REQ'D.
1 - ST'D. UD-4 CONN. REQ'D.

4-8 4-9
9' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 371.40', INV. (OUT) = 371.10'
COVER = 2' & VAR.

4-9
6' x 12' CONTECH PEAK DIVERSION STORMFILTER REQ'D.
10 - 18" FILTER CARTRIDGES REQ'D.
H = 6.0', INV. = 368.80'

4-9 4-10
16' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 368.80', INV. (OUT) = 368.70'
COVER = 2' & VAR.

4-10
1 ST'D. DI-2A REQ'D (TYPE B NOSE)
INV. = 368.60', H = 6.2'
ST'D. IS-1 REQ'D., ST'D. ST-1 REQ'D.,
1 - ST'D. UD-4 CONN. REQ'D.

4-10 4-11
60' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 368.60', INV. (OUT) = 368.15'
COVER = 2' & VAR.

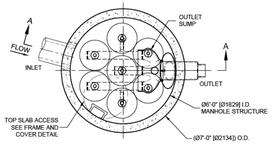
4-11
3.3 L.F. ST'D. MH-1 OR 2 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
INV. = 368.05', ST'D. IS-1 REQ'D.

4-11 4-12
150' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 368.05', INV. (OUT) = 359.44'
COVER = 2' & VAR.

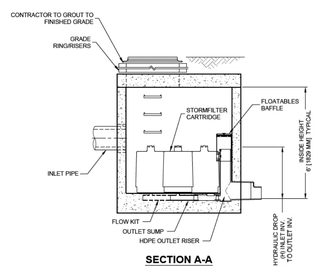
4-12
3.3 L.F. ST'D. MH-1 OR 2 REQ'D.
1 ST'D. MH-1 FRAME & COVER REQ'D.
INV. = 359.34', ST'D. IS-1 REQ'D.

4-12 4-13
5' - 15" STORM SEWER PIPE REQ'D.
INV. (IN) = 359.34', INV. (OUT) = 359.10'
COVER = 2' & VAR.

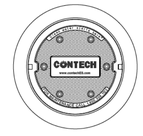
4-13
MODIFY EX. DROP INLET
CONNECT PROP. 15" PIPE FROM NORTH
@ INV. 359.10', ST'D. IS-1 REQ'D.



PLAN VIEW
STANDARD OUTLET RISER
FLOWKIT: 42A



SECTION A-A



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

STORMFILTER DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE STYLE IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (7). VOLUME SYSTEM IS ALSO AVAILABLE WITH MAXIMUM 7 CARTRIDGES.
Ø6'-0" [1829 mm] MANHOLE STORMFILTER PEAK HYDRAULIC CAPACITY IS 1.5 CFS [42.5 L/s]. IF THE SITE CONDITIONS EXCEED 1.5 CFS [42.5 L/s] AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION								
CARTRIDGE HEIGHT	27" [686 mm]			18" [458 mm]			LOW DROP	
RECOMMENDED HYDRAULIC DROP (H)	3.00' [930 mm]			2.3' [700 mm]			1.8' [550 mm]	
SPECIFIC FLOW RATE (gpm/sf [L/s/m²])	2 [1.30]	1.67* [1.08]	1 [0.65]	2 [1.30]	1.67* [1.08]	1 [0.65]	2 [1.30]	1.67* [1.08]	1 [0.65]
CARTRIDGE FLOW RATE (gpm) [L/s]	22.5 [1.42]	18.79 [1.19]	11.25 [0.71]	15 [0.95]	12.53 [0.79]	7.5 [0.44]	10 [0.63]	8.35 [0.54]	5 [0.32]

* 1.67 gpm/sf [1.08 L/s/m²] SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	*
WATER QUALITY FLOW RATE (cfs [L/s])	*
PEAK FLOW RATE (cfs [L/s])	*
RETURN PERIOD OF PEAK FLOW (yrs)	*
CARTRIDGE HEIGHT (SEE TABLE ABOVE)	*
NUMBER OF CARTRIDGES REQUIRED	*
CARTRIDGE FLOW RATE	*
MEDIA TYPE (PERLITE, ZPG, PSORB)	*

PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE #1	*	*	*
INLET PIPE #2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*

ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
	*	*

NOTES/SPECIAL REQUIREMENTS:

* PER ENGINEER OF RECORD

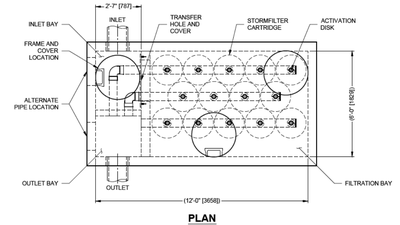
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
4. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' [1524 mm] AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
6. FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES [178 mm]. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
7. SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) [L/s] DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft)[m²].
8. STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET PIPE(S).
E. CONTRACTOR TO PROVIDE AND INSTALL CONNECTOR TO THE OUTLET RISER STUB. STORMFILTER EQUIPPED WITH A DUAL DIAMETER HDPE OUTLET STUB AND SAND COLLAR. IF OUTLET PIPE IS LARGER THAN 8 INCHES [200 mm], CONTRACTOR TO REMOVE THE 8 INCH [200 mm] OUTLET STUB AT MOLDED-IN CUT LINE. COUPLING BY FERNCO OR EQUAL AND PROVIDED BY CONTRACTOR.
F. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

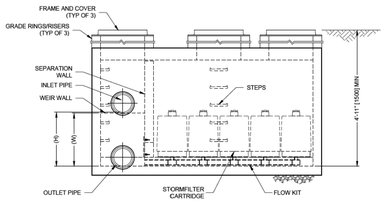
The Stormwater Management StormFilter®
THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,322,629; 5,543,039; 5,707,521; 5,817,234; 5,849,181; 6,027,639; 6,649,048; RELATED FOREIGN PATENTS; OR OTHER PATENTS PENDING.

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7001 FAX

SFMH72
STORMFILTER
STANDARD DETAIL



PLAN



ELEVATION

The Stormwater Management StormFilter®
THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,322,629; 5,543,039; 5,707,521; 5,817,234; 5,849,181; 6,027,639; 6,649,048; RELATED FOREIGN PATENTS; OR OTHER PATENTS PENDING.

STORMFILTER DESIGN NOTES

- STORMFILTER TREATMENT CAPACITY VARIES BY CARTRIDGE COUNT AND LOCALLY APPROVED SURFACE AREA SPECIFIC FLOW RATE. PEAK CONVEYANCE CAPACITY TO BE DETERMINED BY ENGINEER OF RECORD.
- A 6' x 12' [1829 x 3658] PEAK DIVERSION STYLE STORMFILTER IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (14) AND IS AVAILABLE IN A LEFT INLET (AS SHOWN) OR A RIGHT INLET CONFIGURATION.
- ALL PARTS AND INTERNAL ASSEMBLY PROVIDED BY CONTECH UNLESS NOTED OTHERWISE

CARTRIDGE SIZE (in [mm])	27 [686]			18 [457]			LOW DROP		
RECOMMENDED HYDRAULIC DROP (H) (ft [mm])	3.05 [930]			2.3 [701]			1.8 [549]		
HEIGHT OF WEIR (W) (ft [mm])	3.00 [914]			2.25 [686]			1.75 [533]		
SPECIFIC FLOW RATE (gpm/sf [L/s/m²])	2 [1.36]	1.67* [1.13]*	1 [0.68]	2 [1.36]	1.67* [1.13]*	1 [0.68]	2 [1.36]	1.67* [1.13]*	1 [0.68]
CARTRIDGE FLOW RATE (cfs [L/s])	22.5 [1.42]	18.79 [1.19]	11.25 [0.71]	15 [0.95]	12.53 [0.79]	7.5 [0.47]	10 [0.63]	8.35 [0.53]	5 [0.32]

* 1.67 gpm/sf [1.13 L/s/m²] SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

FRAME AND GRATE
(24" SQUARE)
(NOT TO SCALE)

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
CARTRIDGE FLOW RATE	
CARTRIDGE SIZE (27, 18, LOW DROP (LD))	
MEDIA TYPE (PERLITE, ZPG, PSORB)	
NUMBER OF CARTRIDGES REQUIRED	
INLET BAY RIM ELEVATION	
FILTER BAY RIM ELEVATION	

PIPE DATA:	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

NOTES/SPECIAL REQUIREMENTS:



FRAME AND COVER
(30" ROUND)
(NOT TO SCALE)

PERFORMANCE SPECIFICATION
FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. **RADIAL MEDIA DEPTH SHALL BE 7" [178].** FILTER MEDIA CONTACT TIME SHALL BE AT LEAST **37 SECONDS**. SPECIFIC FLOW RATE SHALL BE **2 GPM/SF [1.36 L/s/m²] (MAXIMUM).** SPECIFIC FLOW RATE IS THE MEASURE OF THE FLOW (GPM) DIVIDED BY THE MEDIA SURFACE CONTACT AREA (SF). MEDIA VOLUMETRIC FLOW RATE SHALL BE **6 GPM/CF [13.39 L/s/m³] OF MEDIA (MAXIMUM).**

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. ALTERNATE DIMENSIONS ARE IN MILLIMETERS [mm] UNLESS NOTED OTHERWISE.
4. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE. www.ContechES.com
5. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
6. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 10' [3048] AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
F. CONTRACTOR TO REMOVE THE TRANSFER OPENING COVER WHEN THE SYSTEM IS BROUGHT ONLINE.

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-526-3999 513-645-7000 513-645-7993 FAX

SFPD0612 (6' x 12')
PEAK DIVERSION STORMFILTER
STANDARD DETAIL

I:\COMMON\CIVIL\TREATMENT\10 ST DRAWS_10STM-01 STANDARD DRAWINGS\SUPPORTDATA\PATENTON PROCESSDRAWS\SFPD0612-DTL.DWG 10/20/2020 1:56 PM

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	6

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

NOT TO SCALE	PROJECT 0050-151-225	SHEET NO. 6

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

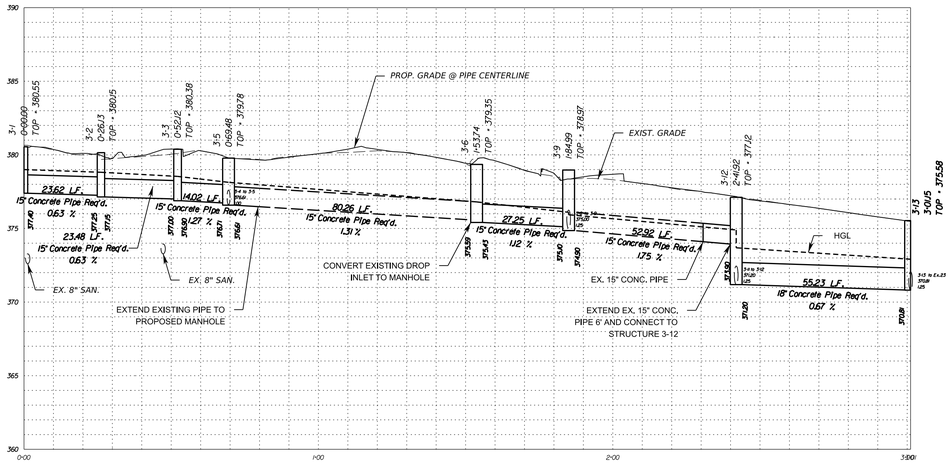
STORM SEWER PROFILES

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	7

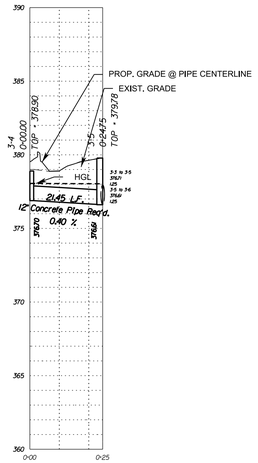
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

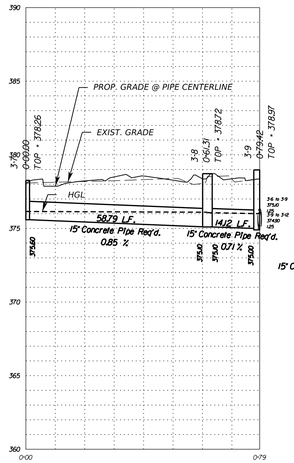
3-1 TO 3-13



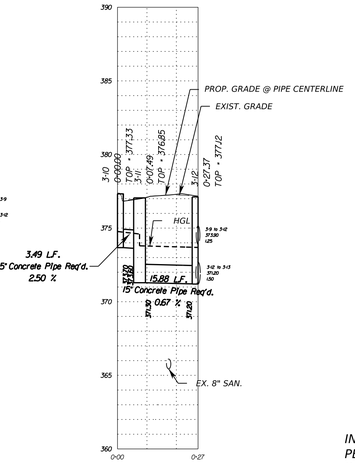
3-4 TO 3-5



3-7 TO 3-9

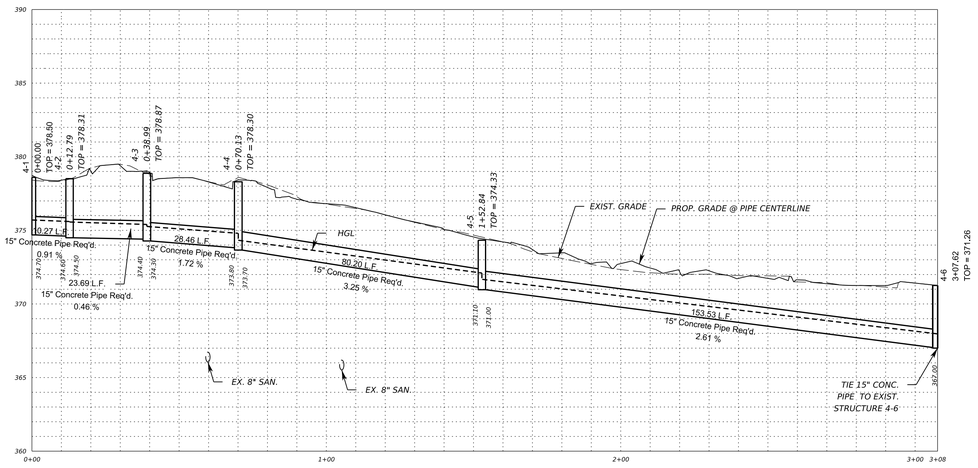


3-10 TO 3-12

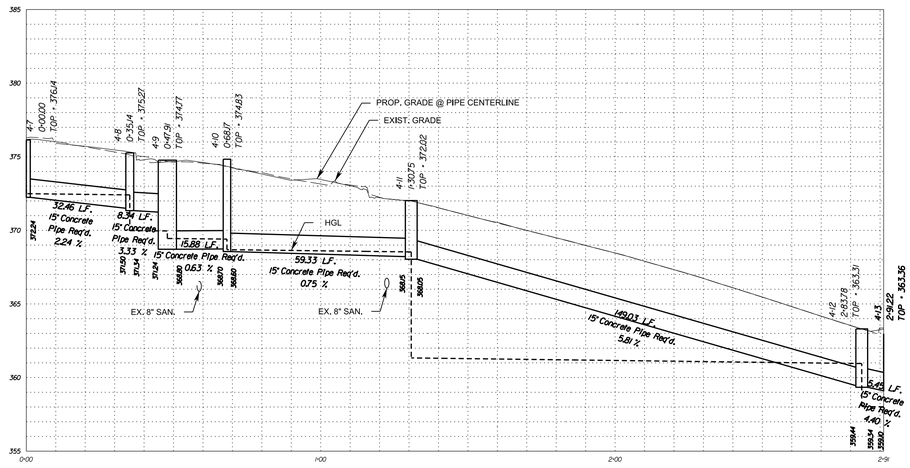


IN ADDITION TO THE VISUAL INSPECTION PERFORMED BY THE CITY DURING INITIAL INSTALLATION OF STORM SEWER PIPES AND PIPE CULVERTS, A POST INSTALLATION VISUAL/VIDEO CAMERA INSPECTION SHALL BE CONDUCTED BY THE CONTRACTOR ON ALL STORM SEWER PIPE AND A SELECTED NUMBER OF PIPE CULVERTS IN ACCORDANCE WITH VDOT ROAD AND BRIDGE SPECIFICATION SECTION 302.03 (d) AND VTM 123.

4-1 TO 4-6



4-7 TO 4-13



PROJECT	SHEET NO.
0050-151-225	7

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

GENERAL NOTES

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

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")

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.
13. No edgelines are to be added to streets which have curb and gutter unless otherwise directed on the plans.

PAVEMENT MARKING LEGEND

A — *TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 4" WIDTH*
B — *TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' DASHED, 6' SPACING)*
C — *TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' DASHED, 30' SPACING)*
D — *TYPE B, CLASS I YELLOW PAVEMENT LINE MARKING, 4" WIDTH*
E — *TYPE B, CLASS I DOUBLE YELLOW PAVEMENT LINE, 4" WIDTH*
F — *TYPE B, CLASS I WHITE PAVEMENT LINE MARKING, 24" WIDTH*
G — *TYPE B, CLASS I WHITE PAVEMENT CROSSWALK MARKING (24" WIDTH, 4' TO 7' CENTER TO CENTER SPACING, ORIENTED IN THE DIRECTION OF VEHICULAR TRAVEL)*
H — *TYPE B, CLASS I YELLOW PAVEMENT LINE MARKING, 24" WIDTH*
I — *NOT USED*
J — *TYPE B, CLASS I YELLOW PAVEMENT LINE MARKING, 4" WIDTH (2' DASHED, 6' SPACING)*

SIGNING LEGEND

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

*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 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 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 breakway 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.

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 Pole	*EA.*
VIA3	Breakaway Three Metal Pole	*EA.*
VI1A	3 1/2" 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.*

SCALE	PROJECT	SHEET NO.
0 5' 10'	0050-151-225	8(1)

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	8(2)

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

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 ASSEM-BLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
1	301	NOT USED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2	302		R5-2 R4-11	24" 30"	24" 30"	1 1	4 6.25	4 6.25	STP-1 STP-1	
3	303, 318, 402 411, 412		MOD. R7-107	12"	18"	4	1.5	7.5	STP-1	
4	304, 414		R4-7C OM3-L	18" 12"	30" 36"	3 3	3.75 3	7.50 6	STP-1 STP-1	
5	305		R2-1 R4-11 MOD. R7-107	24" 30" 12"	30" 30" 18"	1 1 1	5 6.25 1.5	5 6.25 1.5	STP-1 STP-1 STP-1	

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 ASSEM-BLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
6	306		R5-2 CUSTOM	24" 24"	24" 18"	1 1	4 3	4 3	STP-1 STP-1	
7	307, 308		R5-1 R1-1 R3-2	30" 30" 24"	30" 30" 24"	2 2 2	6.25 6.25 4	12.5 12.5 8	STP-1 STP-1 STP-1	
8	309		W11-2 W16-7P	24" 24"	24" 12"	1 1	4 2	4 2	STP-1 STP-1	
9	310		W3-1	30"	30"	1	6.25	6.25	STP-1	
10	311		W1-1R W13-1P	30" 18"	30" 18"	1 1	6.25 2.25	6.25 2.25	STP-1 STP-1	
		CONTINUED ON SHEET 7(3)								

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.
7) IF APPLICABLE, SEE SHEET 2D FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	8(3)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

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 ASSEM-BLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
11	312		R4-7A	24"	30"	1	5	5	STP-1	
			OM3-L	12"	36"	1	3	3	STP-1	
12	313, 413		R5-2	24"	24"	1	4	4	STP-1	
			M6-1R	21"	15"	1	2.19	2.19	STP-1	
13	314		R3-2	24"	24"	1	4	4	STP-1	
			R6-1R	54"	18"	1	6.75	6.75	STP-1	
14	315		R1-1	30"	30"	1	6.25	6.25	STP-1	
			R4-7A	24"	30"	1	5	5	STP-1	
			OM3-L	12"	36"	1	3	3	STP-1	

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 ASSEM-BLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
15	316		R1-1	30"	30"	1	6.25	6.25	STP-1	SALVAGE EXISTING STREET NAME SIGNS (FAIRFAX BOULEVARD, WARWICK) AND INSTALL AT TOP OF ASSEMBLY
16	317		R2-1	24"	30"	1	5	5	STP-1	
			MOD. R7-107	12"	18"	1	1.5	1.5	STP-1	
17	401		W2-8	30"	30"	1	6.25	6.25	STP-1	
			W13-1P	18"	18"	1	2.25	2.25	STP-1	
			MOD. R7-107	12"	18"	1	1.5	1.5	STP-1	
18	403, 404, 405		R1-1	30"	30"	1	6.25	19.25	STP-1	
19	406		R1-3P	18"	6"	1	0.75	0.75	EX. STP-1	INSTALL BELOW EXISTING STOP SIGN ON FARR AVENUE
20	407		W14-1	30"	30"	1	6.25	6.25	STP-1	
			MOD. R7-107	12"	18"	1	1.5	1.5	STP-1	
21	408, 410		MOD. R7-107L	12"	18"	2	1.5	3	STP-1	
		CONTINUED ON SHEET 7(4)								

NOTES:

1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
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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.
7) IF APPLICABLE, SEE SHEET 2D FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

SCALE	PROJECT	SHEET NO.
0 5' 10'	0050-151-225	8(3)

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	8(4)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

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 ASSEM-BLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
22	409	NO PARKING ANY TIME	MOD. R7-107R	12"	18"	1	1.5	1.5	STP-1	
23	415		R4-7C	18"	30"	1	3.75	3.75	STP-1	
			OM3-L	12"	36"	1	3	3	STP-1	
			R3-4	36"	36"	1	9	9	STP-1	
		TRUCK	M4-4	24"	12"	1	2	2	STP-1	
24	416	TO INTERSTATE 66 123	M4-5	24"	12"	1	2	2	STP-1	
			M1-1	24"	24"	1	4	4	STP-1	
			M1-V1c	30"	24"	2	10	10	STP-1	
			M5-1L	21"	15"	2	4.38	4.38	STP-1	
		NORTH	M3-1	24"	12"	1	2	2	STP-1	
			M5-1R	21"	15"	1	2.19	2.19	STP-1	
		SOUTH	M3-3	24"	12"	1	2	2	STP-1	
25	417	SPEED LIMIT 35	R2-1	30"	36"	1	7.5	7.5	STP-1	
26	418	TRUCK ROUTE	R14-1	24"	18"	1	3	3	STP-1	
			M6-6L	21"	15"	1	2.19	2.19	STP-1	
27	419	EAST 50 NORTH 29	M3-2	24"	12"	1	2	2	STP-1	
			M1-4	24"	24"	1	4	4	STP-1	
			M3-1	24"	12"	1	2	2	STP-1	
			M1-4	24"	24"	1	4	4	STP-1	
			M6-3	21"	15"	1	2.19	2.19	STP-1	

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.
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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.
7) IF APPLICABLE, SEE SHEET 2D FOR NON-STANDARD TYPE VA AND VIA SIGN STRUCTURE DETAILS.

SCALE 0 5' 10'

PROJECT	SHEET NO.
0050-151-225	8(4)

9/29/2023
5:03:26 PM

tl1554508x.dgn
Plotted By: kyler1blet

PROJECT MANAGER CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	8(5)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 8(6) - STA. 106+00.00

MATCHLINE SHEET 8(6) - STA. 32+00.00

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	8(5)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	8(6)

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

Timmons Group
Richmond, Virginia
ROADWAY ENGINEER

MATCHLINE SHEET 8(5) - STA. 106+00.00

MATCHLINE SHEET 8(5) - STA. 32+00.00

FAIRFAX BLVD. (35 MPH SPEED LIMIT)

FARR AVE (25 MPH SPEED LIMIT)

WARWICK AVE (25 MPH SPEED LIMIT)

Ex. R/W

RW Note 2
RW Note 3
RW Note 4
RW Note 5
RW Note 6
RW Note 7
RW Note 8

ONE WAY
STOP
ALL WAY
DEAD END
TRUCK ROUTE
NORTH 29 EAST
NORTH 123 SOUTH
NORTH 66 EAST TO
SPEED LIMIT 35

REMOVE R1-1 AND R6-2R
REMOVE R6-1R
OBSCURE EXISTING PAVEMENT TURN ARROW
REMOVE R3-4
REMOVE R14-1, M6-6L, M3-1, M3-2, 2x M1-4, AND 2x M6-3
INSTALL R4-7C AND OM3-L
REMOVE R3-2 AND R6-1R
INSTALL R4-7, OM3-L, R3-4, AND M4-4
REMOVE M3-1, M4-5, M3-3, 2x M1-V1c, M1-1, 2x M5-1L, AND M5-1R
INSTALL M3-1, M4-5, M3-3, 2x M1-V1c, M1-1, 2x M5-1L, AND M5-1R
REMOVE R2-1
INSTALL R2-1
INSTALL R5-2 & M6-1R
REMOVE STREET NAME SIGNS
REMOVE R1-1
INSTALL MOD. W2-8, W13-1P AND MOD. R7-107
REMOVE MOD. R7-107L
INSTALL MOD. R7-107
REMOVE MOD. R7-107
REMOVE EX. PRIVATE PARKING SIGNS
INSTALL R14-1 AND M6-6L
INSTALL M3-2, M1-4, M3-1, M1-4, AND M6-3
INSTALL R1-1 AND R1-3
REMOVE MOD. W2-8 AND W13-1P
REMOVE MOD. R7-107L
REMOVE R14-1
INSTALL R1-3 ON EX. STP-1
INSTALL W14-1 AND MOD. R7-107
REMOVE MOD. R7-107R
INSTALL MOD. R7-107R
INSTALL MOD. R7-107L

SCALE 0 25' 50'

PROJECT	SHEET NO.
0050-151-225	8(6)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	10(1)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

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 AND 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, AND WITH VDOT OR THE DEPARTMENT OF PUBLIC PROVIDE 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. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO 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, AS WELL AS THE VDOT ROAD AND BRIDGE SPECIFICATIONS.
13. TRAFFIC MAINTENANCE SHALL COMPLY WITH THE LATEST REVISION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS, SECTIONS 512 AND 701, 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.
16. UNLESS OTHERWISE SPECIFIED BY THE PUBLIC WORKS DIRECTOR, CONDUIT SHALL BE 2" SCHEDULE 40 PVC IN APPROPRIATE AREAS, AND 2" RIGID GALVANIZED STEEL UNDER DRIVEWAYS, CONCRETE STRUCTURES, OR ROADWAYS.
17. ALL JUNCTION BOXES SHALL BE VDOT ST'D JB-S1.
18. A GROUND ROD SHALL BE INSTALLED NEXT TO EACH POLE AND AT ELECTRICAL SERVICE POINT.
19. GROUNDING RODS SHALL BE 5/8" X 8' COPPER-CLAD STEEL, UNLESS SPECIFIED OTHERWISE.
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 CONTRACTOR'S 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 THIS 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 REMOVE 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.

PROJECT GENERAL LIGHTING NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF JUNCTION BOXES, CONDUIT, AND ALL OTHER ITEMS SPECIFIED AS CONTRACTOR'S RESPONSIBILITY ON THESE PLANS.
2. LIGHT POLES AND LUMINAIRES WILL BE PROVIDED BY AND INSTALLED BY DOMINION VIRGINIA POWER.
3. CERTAIN UTILITIES WITHIN THE VICINITY OF THIS PROJECT AREA ARE SHOWN ON THE PLANS. THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE COMPLETELY OR ACCURATELY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND LIGHTING SYSTEMS BEFORE PROCEEDING WITH THE WORK.
4. AT LOCATIONS WHERE PROPOSED CONDUIT SHALL CROSS EXISTING CONDUIT, THE CONTRACTOR SHALL HAND-DIG THE TRENCH AND SHALL TAKE ADEQUATE CARE NOT TO DAMAGE THE EXISTING CONDUIT OR THE CONTENTS THEREOF. THESE CONDITIONS SHALL APPLY AT ALL SUCH CONDUIT CROSSINGS EXCEPT THOSE LOCATIONS WHERE PROPOSED CONDUIT WILL CROSS CONDUIT DESIGNATED TO BE ABANDONED.
5. ALL PIPE SLEEVE SHALL BE INSTALLED IN ACCORDANCE WITH VDOT STANDARD ECI-1 AND OR ECI-2.
6. CONDUITS SHALL BE INSTALLED WITH LARGE RADIUS OFFSETS (5' MINIMUM RADIUS) TO BYPASS DRAINAGE INLETS, MANHOLES, AND OTHER OBSTRUCTIONS.
7. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FT. BEHIND GUARDRAIL POSTS.
8. CONDUITS SHALL BE INSTALLED A MINIMUM OF 5 FT. CLEAR OF SHOULDER EDGE WHEN NO GUARDRAIL IS INSTALLED, OR AS SHOWN IN THE PLANS.
9. ALL UNDERGROUND CONDUITS SHALL BE SLOPED TO DRAIN TO JUNCTION BOXES OR MANHOLES. IF THIS CANNOT BE ACCOMPLISHED, THEY SHALL BE PROVIDED WITH DRAINAGE TEES AT THE LOW POINTS OF CONDUIT RUNS, AT NO ADDITIONAL COST.
10. THE CONTRACTOR SHALL PROVIDE EXPANSION COUPLINGS AT ALL EXPANSION JOINTS ON STRUCTURES OR AS DESIGNATED BY THE ENGINEER.
11. THE LOCATION OF THE LIGHT POLE FOUNDATION GROUND ROD SHALL BE MARKED ON THE TOP SURFACE OF THE FOUNDATION BY A RECESSED ARROW AND THE INITIAL "G" FORMED IN THE CONCRETE. THE GROUND ROD SHALL TYPICALLY BE PLACED TO THE LEFT OF THE LIGHTING POLE FOUNDATION AS OBSERVED FROM THE POLE HANDHOLE.
12. GROUND RODS SHALL NOT HAVE A RESISTANCE TO GROUND OF MORE THAN 25 OHMS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 700 OF THE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A REPORT OF ELECTRICAL RESISTANCE MEASURED BETWEEN THE GROUND ROD AND GROUND.
13. GROUND RODS SHALL BE CONNECTED TO THE GROUND WIRE UTILIZING AN EXOTHERMIC WELD.
14. LOCATIONS OF EXISTING JUNCTION BOXES AND MANHOLES SHOWN ON THE PLANS ARE APPROXIMATE.
15. ALL JUNCTION BOXES AND MANHOLES SHALL BE PROVIDED WITH A MEANS FOR DRAINAGE.
16. AREAS AROUND CABINETS, JUNCTION BOXES, AND MANHOLES ON SLOPES SHALL BE GRADED AS APPROVED BY THE ENGINEER.
17. THE CONTRACTOR SHALL BE RESPONSIBLE TO RETURN ALL DISTURBED AREAS AND FENCING TO THEIR ORIGINAL STATE AT THE COMPLETION OF ALL WORK. DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH SECTION 603 OF THE SPECIFICATIONS.
18. THE CONTRACTOR SHALL COORDINATE WITH DOMINION VIRGINIA POWER OR LOCAL POWER COMPANY FOR ALL QUANTITIES FOR APPROVAL PRIOR TO INSTALLATION.
19. LIGHT POLE FOUNDATIONS DESIGNATED TO BE REMOVED SHALL BE REMOVED TO A DEPTH OF AT LEAST 2 FT. BELOW FINISHED GRADE IF REQUIRED.
20. SEPARATE CONTRACTS WILL BE ONGOING WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR SHALL NOT HINDER THE WORK BEING PERFORMED BY OTHER CONTRACTORS AND SHALL COOPERATE AND COORDINATE THE WORK OF THIS PROJECT WITH THE OTHER CONTRACTORS.
21. WIRING FOR PROJECT LIGHTING WILL BE PROVIDED BY DOMINION VIRGINIA POWER.

LIGHTING DESIGN PLAN NOTES

1. THE PROPOSED PHASE, CONTROL CENTER, AND CIRCUIT CALCULATIONS HAVE BEEN PROVIDED BY DOMINION VIRGINIA POWER (DVP).
2. ALL QUANTITIES AND MATERIALS FOR LIGHT POLES, LUMINAIRES, AND ELECTRICAL CONNECTIONS WILL BE PROVIDED AND INSTALLED BY DOMINION VIRGINIA POWER UNLESS OTHERWISE SPECIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT, JUNCITON BOXES, AND PIPE SLEEVES AS SHOWN ON PLANS.

LUMINAIRE LOCATION SUMMARY

LUM. NO.	LABEL	ALIGNMENT	STATION	OFFSET	HEIGHT	ORIENT	TILT
1	150-0°-16	FAIRFAX BOULEVARD	101+48.12	42.11' RT	16	0	0
2	150-0°-16	FAIRFAX BOULEVARD	102+62.03	25.09' RT	16	0	0
3	150-0°-16	FAIRFAX BOULEVARD	102+76.67	41.94' RT	16	0	0
4	150-0°-16	FAIRFAX BOULEVARD	103+43.76	27.28' LT	16	0	0
5	150-0°-16	FAIRFAX BOULEVARD	103+68.88	41.73' RT	16	0	0
6	150-0°-16	FAIRFAX BOULEVARD	104+25.27	28.36' RT	16	0	0
7	150-0°-16	FAIRFAX BOULEVARD	105+18.37	41.65' RT	16	0	0
8	150-0°-16	FAIRFAX BOULEVARD	105+28.29	27.39' RT	16	0	0
9	150-0°-16	FAIRFAX BOULEVARD	106+06.43	42.57' RT	16	0	0
10	150-0°-16	FAIRFAX BOULEVARD	106+78.99	42.00' RT	16	0	0
11	150-0°-16	FAIRFAX BOULEVARD	107+46.36	41.13' RT	16	0	0
12	150-0°-16	WARWICK - MCLEAN	11+61.72	16.95' RT	16	0	0
13	150-0°-16	WARWICK - MCLEAN	12+86.12	30.48' LT	16	0	0
14	150-0°-16	WARWICK - MCLEAN	12+88.93	20.39' RT	16	0	0
15	100-0°-14	WARWICK - MCLEAN	13+43.87	17.42' LT	14	0	0
16	150-0°-16	MCLEAN NORTH	20+51.93	6.14' LT	16	0	0
17	150-0°-16	WARWICK WEST	30+56.93	19.76' RT	16	0	0
18	100-0°-14	WARWICK WEST	31+20.35	16.30' RT	14	0	0
19	100-0°-14	WARWICK WEST	31+90.06	19.69' RT	14	0	0
20	100-0°-14	WARWICK WEST	32+74.41	20.56' RT	14	0	0
21	100-0°-14	WARWICK EAST	40+45.87	16.79' LT	14	0	0
22	100-0°-14	FARR AVENUE	50+47.95	12.53' LT	14	0	0
23	100-0°-14	FARR AVENUE	51+43.39	17.08' LT	14	0	0
24	100-0°-14	FARR AVENUE	51+84.54	17.07' LT	14	0	0
25	100-0°-14	FARR AVENUE	52+62.71	16.29' LT	14	0	0

CALCULATION SUMMARY

AREA	CALC TYPE	UNITS	AVG	MAX	MIN	AVG/MIN	# PTS
FAIRFAX & FARR INT	ILLUMINANCE	Fc	1.16	2.7	0.5	2.32	97
FAIRFAX & WARWICK-MCLEAN INT	ILLUMINANCE	Fc	1.14	2.9	0.5	2.28	211
FAIRFAX BTWN WARWICK & FARR	ILLUMINANCE	Fc	1.08	2.6	0.4	2.7	249
FARR BTWN FAIRFAX & WARWICK	ILLUMINANCE	Fc	1.09	2.6	0.6	1.82	23
WARWICK & FARR INT	ILLUMINANCE	Fc	1.02	2.3	0.5	2.04	32
WARWICK BTWN FAIRFAX & FARR	ILLUMINANCE	Fc	0.96	2.6	0.4	2.4	65

LUMINAIRE SCHEDULE

QTY	LABEL	ARRANGEMENT	TOTAL LAMP LUMENS	LLF	DESCRIPTION	LUM. WATTS	TOTAL WATTS
9	100-0°-14	SINGLE	5,063	0.767	DVP NO. WFCL2 P30 30K XX L3	70	630
16	150-0°-16	SINGLE	6,513	0.767	DVP NO. WFCL2 P40 30K XX L3	95	1520

TRAFFIC CONTROL DEVICE PLANS
LIGHTING GENERAL NOTES

CITY OF FAIRFAX

	PROJECT	SHEET NO.
	0050-151-225	10(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	10(2)

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



Cutoff Acorn

These Cutoff luminaire options are a dark-skies friendly alternative to various fixture styles.

Comparable HID Wattage	Finish Color	Initial Lamp Lumens	Lighting Pattern	Correlated Color Temperature (CCT)	Input Wattage	Billing Tier	Basic / Premium	Recommended Mounting Height (ft.)	BUG Rating	Luminaire Stock #	WMIS CU Code
70	Black	3551	Type III	3000K	47	2	Premium	10 - 12	1-0-1	42315978	LEDACCO0333BXXX
100	Black	5063	Type III	3000K	70	3	Premium	12 - 16	1-0-1	42315866	LEDACCO0533BXXX
150	Black	6513	Type III	3000K	95	4	Premium	12 - 16	2-0-2	42315977	LEDACCO0733BXXX

Section 10460 – Street Lighting Page 10460-

Dominion Energy

Outdoor Lighting Pole Specifications

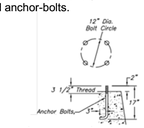
Decorative Fluted Tapered Aluminum for Post Top Luminaires



Fluted tapered pole with structural Arlen style base constructed of aluminum alloy for single or twin post top luminaires. Poles are available directly embedded or base mounted for use with underground supplied conductors only. Anchor base poles require customer-installed and maintained concrete pole foundations and anchor-bolts.

Light fixtures that match well with this pole include:

- All LED Acorn styles
- All LED Colonial styles
- Premium LED Cutoff styles
- Premium LED Lantern styles



POLE SPECIFICATIONS

FIXTURE MOUNTING HEIGHT (ft)	TOTAL POLE LENGTH (ft)	BASE DIAMETER (in)	BASE HEIGHT (in)	EMBED or ANCHOR BASE	FINISH COLOR	WMIS CU	POLE ONLY STOCK #
12.0	16.0	17.0	17.0	Embed	Black RAL-9017	PA16AR8	42337639
12.0	16.0	17.0	17.0	Embed	Green RAL-6009	PA16ARM	42337642
14.0	18.0	17.0	17.0	Embed	Black RAL-9005	PA18AR8	42337640
14.0	18.0	17.0	17.0	Embed	Green RAL-6009	PA18ARM	42337643
16.0	20.0	17.0	17.0	Embed	Black RAL-9005	PA20AR8	42337641
16.0	20.0	17.0	17.0	Embed	Green RAL-6009	PA20ARM	42337644
12.0*	12.0	12 inch bolt circle		Anchor	Black RAL-9017	PA12ABAB	42337782
12.0*	12.0	12 inch bolt circle		Anchor	Green RAL-6009	PA12ABAM	42337785
14.0*	14.0	12 inch bolt circle		Anchor	Black RAL-9005	PA14ABAB	42337783
14.0*	14.0	12 inch bolt circle		Anchor	Green RAL-6009	PA14ABAM	42337786
16.0*	16.0	12 inch bolt circle		Anchor	Black RAL-9005	PA16ABAB	42337784
16.0*	16.0	12 inch bolt circle		Anchor	Green RAL-6009	PA16ABAM	42337887

*** Approximate based on height above grade to top of anchor base**

Many localities have restrictions on light distribution and placement of outdoor lighting equipment. Consult with your local government before selecting outdoor lighting equipment.

TRAFFIC CONTROL DEVICE PLANS
LIGHTING DETAILS

CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	10(2)

9/29/2023
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Plotted By: kyler1blet

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	10(3)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

M SQUARED, LLC
D.B. 19087, PG. 117
PIN 57 1 02 110
1. 191 Ac.

BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 2
PIN 57 2 02 006
0.481 Ac. (FROM RECORD)

BRANCH AVENUE ASSOCIATES, LLC
D.B. Y-11, PG. 497
PIN 57 2 02 006
1.774 Ac. (FROM RECORD)

BRANCH AVENUE ASSOCIATES, LLC
D.B. 14796, PG. 1326, PARCEL 1
PIN 57 2 02 006
1.860 Ac. (FROM RECORD)

SHOPS AT FAIRFAX, LLC
D.B. 23999, PG. 378
PIN 57 1 02 062 A
5. 047 Ac.

CATHOLIC DIOCESE OF ARLINGTON
D.B. 5784, PG. 1821
PIN 57 1 02 112
16. 099 Ac.

SAGAAR LLC
D.B. 25200, PG. 2180
PIN 57 2 02 083
0. 296 Ac.

ADAM D. DULL AND STEPHANIE A. DULL
D.B. 25077, PG. 267
PIN 57 2 02 088
0. 459 Ac.

MGB PROPERTIES II, LLC
D.B. 16570, PG. 282
PIN 57 2 02 082
0. 817 Ac.

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 081
PIN 57 2 02 079
0. 743 Ac.

KBL, L. C.
D.B. 10998, PG. 746
PIN 57 2 02 078
0. 566 Ac.

12+88.93, 20.39RT WARWICK-MCLEAN
CUTOFF ACORN 150-0°-16'

20+51.93, 6.14LT MCLEAN NORTH
CUTOFF ACORN 150-0°-16'

13+43.87, 17.42LT WARWICK-MCLEAN
CUTOFF ACORN 100-0°-14'

12+86.12, 30.48LT WARWICK-MCLEAN
CUTOFF ACORN 150-0°-16'

102+62.03, 25.09LT FAIRFAX
CUTOFF ACORN 150-0°-16'

103+43.76, 27.28LT FAIRFAX
CUTOFF ACORN 150-0°-16'

104+25.27, 28.36LT FAIRFAX
CUTOFF ACORN 150-0°-16'

105+28.29, 27.39LT FAIRFAX
CUTOFF ACORN 150-0°-16'

101+48.12, 42.11RT FAIRFAX
CUTOFF ACORN 150-0°-16'

11+61.72, 16.95RT WARWICK-MCLEAN
CUTOFF ACORN 150-0°-16'

103+68.88, 41.73RT FAIRFAX
CUTOFF ACORN 150-0°-16'

102+76.67, 41.94RT FAIRFAX
CUTOFF ACORN 150-0°-16'

30+56.93, 19.76RT WARWICK W
CUTOFF ACORN 100-0°-14'

105+18.37, 41.65RT FAIRFAX
CUTOFF ACORN 150-0°-16'

31+20.35, 16.30RT WARWICK W
CUTOFF ACORN 100-0°-14'

31+90.06, 19.69RT WARWICK W
CUTOFF ACORN 100-0°-14'

PROP. R/W

Ex. R/W

RW Note 1

MATCHLINE SHEET 10(3) - STA. 106+00.00

MATCHLINE SHEET 10(4) - STA. 32+00.00

SCALE
0 25' 50'

REFERENCES
(PLAN AND DETAIL SHEETS)

Roadway Plan Sheet(s)	3
Traffic Signal Plan Sheet(s)	II(3)

TRAFFIC CONTROL DEVICE PLANS
LIGHTING PLAN

CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	10(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	10(4)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

GRAMM SB PROPERTIES LLC

GRAMM SB PROPERTIES LLC

GLASCOCK & SONS, LP

GLASCOCK & SONS, LP

MATCHLINE SHEET 10(3) - STA. 106+00.00

MATCHLINE SHEET 10(3) - STA. 32+00.00

107+46.36, 41.13RT FAIRFAX CUTOFF ACORN 150-0°-16'

PROP. R/W

106+06.43, 42.57RT FAIRFAX CUTOFF ACORN 150-0°-16'

106+78.99, 42.00RT FAIRFAX CUTOFF ACORN 150-0°-16'

KBL, L. C.

52+62.71, 16.29LT FARR CUTOFF ACORN 100-0°-14'

51+84.54, 17.07LT FARR CUTOFF ACORN 100-0°-14'

51+43.39, 17.08LT FARR CUTOFF ACORN 100-0°-14'

PROP. R/W

PROP. R/W

KBR FAIRFAX L.L.C.

LARRY C. MILLER

40+45.87, 16.79LT WARWICK E CUTOFF ACORN 100-0°-14'

PROP. R/W

32+74.41, 20.56RT WARWICK W CUTOFF ACORN 100-0°-14'

50+47.95, 12.53LT FARR CUTOFF ACORN 100-0°-14'

ROBERT P. MILLER AND LARRY C. MILLER

KBL, L. C.

WILLIAM M. ROCABADO

DINH NGUYEN AND LY VU

SCALE
0 25' 50'

REFERENCES (PLAN AND DETAIL SHEETS)	
Roadway Plan Sheet(s)	4
Traffic Signal Plan Sheet(s)	II(4)

TRAFFIC CONTROL DEVICE PLANS

LIGHTING PLAN

CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	10(4)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

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 (St'd.PF-2)			
Pedestal Pole and Foundation (St'd.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			
360° Video Detection Camera			
Junction Box (St'd.as noted on plans)		J	J
Signal Luminaire (LED as noted on plans) 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			
Electrical Service Meter Base		MB	MB
Electrical Service Safety Switch (Disconnect)		SS	SD
Controller Cabinet	Ground Mounted	CC	CC
	Pole Mounted	CP	CP
Master Controller Cabinet	Ground Mounted	MC	MC
	Pole Mounted	MP	MP
Controller Cabinet & Foundation	Std.CF-1	CC 1	CC 1
	Std.CF-3	CC 3	CC 3
	Std.CF-5	CC 5	CC 5
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			

LABELS

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

PROPOSED SIGNAL INSTALLATION GENERAL NOTES

1. The Contractor is responsible for obtaining controllers and cabinets through the City of Fairfax. Payment(s) for the controllers and cabinets are required prior to the Contractor receiving the equipment. In order to avoid delays in obtaining the controller and cabinet, the City requires notification and payment three (3) months prior to the start of any construction. The Contractor shall contact the City to arrange for the purchase and pick-up of the controller and cabinet. Two (2) weeks prior to the agreed upon pick-up date, the Contractor shall contact the City to verify equipment availability. The Contractor shall pick-up the controller and cabinet from the City at the City's maintenance yard (Pickett Road Facility). Upon receipt controller and cabinet from City, the Contractor's qualified representative shall wire the cabinet and program and test the phasing of the intersection as shown on the plan. The Contractor shall provide a certification letter to City indicating that the work is in compliance with City standards and is consistent with the phasing as per the signal plan. As part of the installation, the Contractor is responsible for providing the concrete foundation specified as St'd. CF-1 and the phone company access compartment shown as CC-2. The Contractor shall furnish and install an approved battery back-up system (Uninterruptible Power Supply/UPS). The UPS assembly (cabinet) shall be Type B and shall mount directly to the controller cabinet.

2. Controller cabinet foundations shall be St'd CF-1 (6/15/2009 revision) to include two 4" conduits and two spare 3" conduits (one to be capped) tied into the JB-S3. The controller cabinet foundation shall have a separate 1-1/4" conduit tied into the power service and a separate 2" conduit tied to COMM JB-S1.

3. All work shall be in accordance with the current edition of the Manual on Uniform Traffic Control Devices (MUTCD), the current edition of the VDOT Road and Bridge Specifications, the current edition of the VDOT Road and Bridge Standards, and all special provisions in effect at the time the signal plan is approved. The Contractor is to also perform all work in accordance with the April 2009 and June 2009 Revisions to the Road and Bridge Standards, as applicable. All City of Fairfax requirements related to signal construction are applicable. Coordination with City's Signal staff is required.

4. 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.

5. The City Engineer, prior to construction, shall verify location of controller cabinet.

6. The traffic signal shall not be placed into flashing or full-color operation without the prior notification and approval from City's Signal Staff. Arrangements shall be made by the City to schedule the City signal field personnel providing a minimum of 72 hours advance notice. New traffic signal installations shall not be placed into color operation on Mondays, Fridays, or days preceding or following holidays, unless directed by the City's Engineer.

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

8. All right turn overlaps shall be wired to the overlap switch position.

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

10. 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.

11. 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 the location of existing and approved plans of future utility lines. Any disruption of any utility service is the responsibility of the Contractor.

12. 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.

13. New LED traffic signal heads and overhead traffic signal signage shall be covered with a durable non-transparent cover upon installation. The Contractor shall maintain covers until the new traffic signal system is operational.

14. No traffic signal shall be placed into operation until the location is 100% complete. This includes any necessary pavement marking and signage adjustment shown on the plans. The Contractor shall notify the permit inspector, who shall notify the City Engineer a minimum of 48 hours prior to placing the signal into operation.

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

16. The Contractor shall label all spare wires in the controller cabinet, in accordance with section 700.04(g) of the VDOT Road and Bridge Specifications.

17. (S) denotes cable to be shielded, (M) denotes metal conduit.

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

19. Trench excavation shall be in accordance with Standard ECI-1.

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

21. The Contractor shall be responsible for maintaining electrical service to the controller at all times. The Contractor shall be responsible for all costs associated with maintaining electrical service to the traffic signal. Electrical Service shall be installed with power service company's specifications and shall be equivalent to VDOT's SE-5 or SE-6 specification for an underground service lateral (see signal plans for connection type). The Contractor is responsible for all costs (including hook-up fees) associated with providing electrical service to the traffic signal to meet the criteria set forth by this note at no additional cost to the project and should not be paid for as a separate item. Electrical service shall be metered at the City's discretion.

22. 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.

23. Hanger assembly brackets for angled traffic signal heads shall be such that back plates can be installed without alteration or modification.

24. No junction boxes shall be installed in paved shoulder, sidewalk, or multi-purpose trail.

25. Junction box covers shall have the letters "TRAF" cast in the top surface depression for all traffic signal related junction boxes containing cable with less than 50 volts. All other junction box covers shall have "ELEC" cast in the top surface depression.

26. All breakaway poles shall have breakaway fuses.

27. 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.

28. A. 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.

B. Foundation design shall be performed by a structural engineer pursuant to VDOT Road and Bridge Standards. Foundation design shall be approved by City prior to installation.

29. All signal poles, mast arms, and foundations shall be designed to accommodate an additional 5-section head four feet from the tip (free end) of the mast arm and an additional MUTCD R10-12 (30" x 36") sign one foot from the tip (free end) of the mast arm. Contractor shall obtain approval from the City for the signal pole locations and height of arms prior to installation to ensure it meets standards. Signal poles and mast arms shall be additionally black powder coated.

30. 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 St'd SMB-3.

31. All Ped. Push buttons shall be mounted in accordance with Standard PA-2. Pedestrian St'd 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.

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

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

34. The cost of 2" metal conduit to JB-S2 for system grounding is included in the cost of electric service SE-6 or SE-5 (as shown on the plans).

35. All signal heads shall have polycarbonate high visibility backplates. Backplate hardware shall be stainless steel and black in color.

36. 14/1 Enclosed conductor cable lead in requires 5/8" sawcut.

37. The Contractor shall be responsible for providing and maintaining communication to the controller at all times. The Contractor is responsible for any costs associated with providing communication to the traffic signal. The Contractor shall be responsible for coordinating the location and the installation of the communication circuit conduit(s) to the traffic signal controller cabinet with the designated communication provider. The Contractor shall contact the City (120) days prior to the start of the traffic signal construction to establish the communication provider and to coordinate the communication activities. The cost to provide and connect City interconnect shall include all time, materials (cables, splicing etc.), labor, fees etc., to provide communication from City interface to signals.

38. The 1" metal conduit that is installed as part of the communication circuit (St'd CC-2 on the controller cabinet) shall be terminated into a St'd JB-S1 junction box located 12" to 24" from the controller cabinet foundation. The 2" conduit from the designated communication provider connection point to the controller cabinet shall be terminated into this JB-S1. The required ground electrode for the communication circuit shall be installed in this JB-S1. The cover shall have "COMM" cast in the depression on top as detailed in the St'd JB-S1. Pull Rope rated at 1,100 lbs. shall be installed in all communication conduits.

39. 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.

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

41. 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.

42. Video detection equipment location shown on plans is approximate. Contractor shall coordinate video detection equipment installation with the City of Fairfax City Engineer to ensure adequate detection is provided on all approaches where video detection zones are shown on the plans. The Contractor shall install video 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.

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

44. 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.

45. For Preemption Devices:

A. All new traffic signals shall include OPTICOM Emergency Vehicle Preemption (EVP) equipment.

B. The Contractor shall install the OPTICOM EVP system as shown on the plans. The OPTICOM EVP system shall include all optical detectors, detector cables, phase selectors, and discriminators for a functional system.

C. The Contractor shall be responsible for the purchase and installation of the EVP equipment per current adopted State and County specifications.

D. All installed OPTICOM EVP equipment shall be compatible with existing or proposed signal equipment.

E. The Contractor shall install the OPTICOM EVP equipment in accordance with the Manufacturers Specifications, and the OPTICOM EVP cabling shall be installed in separate conduits and junction boxes between foundations. These separate conduit runs shall house Preemption Detector Cables/Conductors specified by the City.

F. The proposed OPTICOM EVP sequence diagram and timings shall be submitted to the City prior to installation.

G. See Contract/Project Special Provisions for more details.

46. 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.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	11(1)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

INDEX OF SHEETS

Sheet No.:	Sheet Description:
11(1)	Index of Sheets, General Notes, Legend
11(2)	Summary of Quantities
11(3)	Traffic Signal Plan - Fairfax Blvd.& Warwick Ave./ McLean Ave.
11(4)	Traffic Signal Plan - Fairfax Blvd.& Farr Ave.
11(5)	Overhead Street Name Sign Details

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL
INDEX OF SHEETS, GENERAL NOTES & LEGEND(S)
CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	11(1)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	11(2)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

SUMMARY OF QUANTITIES

Int. No.	Intersection	TCD Discipline		SIGNALS																																
		Summary Notes																																				
		Item Description		Sign Panel	Local Controller, Ty-A	Electrical Service SE-5	Traffic Signal Head Section 12" HVS Backplate	Pedestal Pole PF-2 12'	Concrete Foundation Signal Pole PF-8	Concrete Foundation PF-2	Concrete Foundation CF-1	Signal Mast Arm Pole MP-3, Type A	Signal Mast Arm Pole MP-3, Type B1	Mast Arm 40'	Mast Arm 49'	Mast Arm 60'	Video Detection Camera	Video Detection Cable	Video Detection System	EVP Detection System 4-Way	EVP Detector Cable	14/2 Conductor Cable	14/7 Conductor Cable	CAT 5E Direct Burial Cable	Hanger Assembly SMB-3, One Way	Hanger Assembly Mast Arm Hanger Assembly SM-3 (Cluster)	Hanger Assembly Mast Arm Hanger Assembly SM-3 (In-Line)	Uninterruptible Power Supply Type 2	Uninterruptible Power Supply Battery Pack (8 Pack)	Uninterruptible Power Supply Cabinet Attached	Traffic Signalization Accessible Ped Push Button PA-2	Pedestrian Signal Head SP-8	6 Conductor Cable	Electrical Service Work Pad	Junction Box JB-S2	Junction Box JB-S3	Elect. Ser. Grd. Electrode (10')
		ITEM NO.		50108	51030	51170	51185	51212	51238	51240	51245	51475	51476	51486	51487	51488	51507	51508	51509	51524	51525	51600	51607	51721	51838	51840	51840	51994	51995	51996	52002	52403	55060	55385	55587	55588	56014
		UNIT		SF	EA	EA	EA	EA	CY	EA	EA	EA	EA	EA	EA	EA	EA	LF	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	EA	EA	EA	EA
		SHEET NO.																																			
1	Fairfax Blvd & Warwick Ave	TS(3)		87.5	1	1	40	5	28	5	1	2	2	1	1	2	4	785	1	1	745	835	2,600	65	6	2	10	1	1	1	6	6	100	1	3	1	5
2	Fairfax Blvd & Farr Ave	TS(4)		54	1	1	37	7	28	7	1	3	1	1	2	1	4	750	1	1	1,100	1,320	3,100	130	8	2	9	1	1	1	8	8	100	1	3	1	5
		TOTAL		141.5	2	2	77	12	56	12	2	5	3	2	3	3	8	1,535	2	2	1,845	2,155	5,700	195	14	4	19	2	2	2	14	14	200	2	6	2	10

Int. No.	Intersection	TCD Discipline		SIGNALS																																
		Summary Notes																																				
		Item Description		1 1/4" Metal Conduit	Bored Conduit 4"	3" PVC Conduit	4" PVC Conduit	Trench Excavation EC1-1	Test Bore	5.8 GHz Wireless Broadband Radio	Managed Field Ethernet Switch Gbps	Communication Equip. Field Router																											
		ITEM NO.		56024	56052	56054	56055	56200	56205	57192	57221	59050																										
		UNIT		LF	LF	LF	LF	LF	EA	EA	EA	EA																										
		SHEET NO.																																			
1	Fairfax Blvd & Warwick Ave	TS(3)		10	280	140	15	150	4	1	1	1																										
2	Fairfax Blvd & Farr Ave	TS(4)		10	300	125	20	125	4	2	1	1																										
		TOTAL		20	580	265	35	275	8	3	2	2																										

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL
SUMMARY OF QUANTITIES

CITY OF FAIRFAX

SCALE	PROJECT	SHEET NO.
0 25' 50'	0050-151-225	11(2)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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Signal Pole & Controller Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

Ⓘ CONTROLLER CABINET & FOUNDATION (CF-1)
Cabinet door hinge located on right side of pad.

Ⓐ MAST ARM POLE (MP-3), TYPE BI
44.7' LT. of Fairfax Blvd Constr.℄ Sta.101+69
60' Arm Perpendicular to Fairfax Blvd
Signal Placement: 28', 39', 50'
Sign Placement: 15', 53.5'
Emergency Preemption Detector: 33'
Video Detector: 42.5'
Install Wireless Broadband Antenna on Base Pole.

Ⓑ MAST ARM POLE (MP-3), TYPE A
40.8' LT. of Fairfax Blvd Constr.℄ Sta.102+52
49' Arm Parallel to Fairfax Blvd
Signal Placement: 14', 37.5', 45.5'
Sign Placement: 26'
Emergency Preemption Detector: 3', 8'
Video Detector: 41.5'

Ⓒ MAST ARM POLE (MP-3), TYPE BI
58.2' RT. of Fairfax Blvd Constr.℄ Sta.102+53
60' Arm Perpendicular to Fairfax Blvd
Signal Placement: 26', 38', 51.5'
Sign Placement: 14', 55'
Emergency Preemption Detector: 33.5'
Video Detector: 43'

Ⓓ MAST ARM POLE (MP-3), TYPE A
58.5' RT. of Fairfax Blvd Constr.℄ Sta.101+68
40' Arm Parallel to Fairfax Blvd
Signal Placement: 24', 32', 39'
Sign Placement: 7'
Video Detector: 28'

Ⓔ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Heads, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuations, PA-2, on Pedestal Pole

Ⓕ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

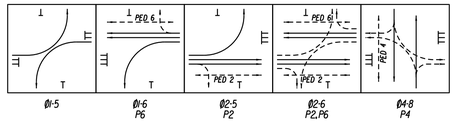
Ⓖ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

Ⓗ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

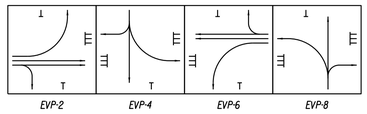
Ⓙ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

Ⓚ SE-5 ELECTRICAL SERVICE POLE

Phasing Diagram



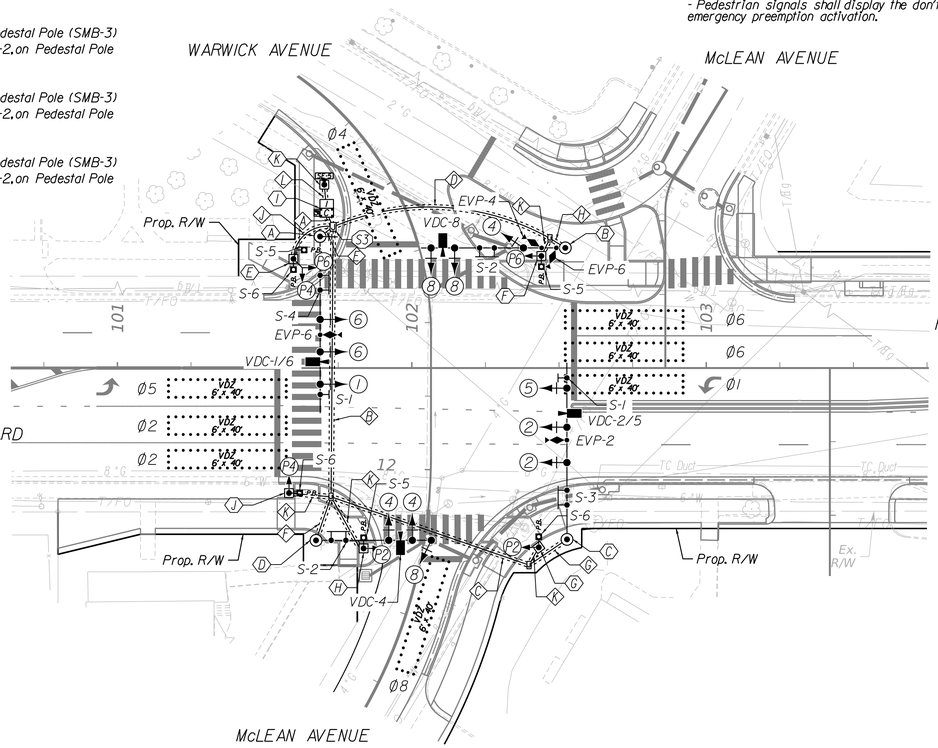
Preemption Diagram



Color Sequence Chart

SIGNALS	SIGNAL	PHASES 1-5	1-6	2-5	2-6	4-8	FLASH
	1	→G / R	→G	G	G		Y
	2			G	G		Y
	4					G	R
	5	→G / R		→G	G		Y
	6		G		G		Y
	8					G	R
	P2	DW	DW	W	W	DW	BLANK
	P4	DW	DW	DW	DW	W	BLANK
	P6	DW	W	DW	W	DW	BLANK

- Empty Box denotes RED indication (Red Ball or Red Arrow as appropriate)
- Pedestrian signals shall display the don't walk symbol during emergency preemption activation.



CABLE AND CONDUIT LEGEND

Ⓐ 1 - 4" Conduit
8 - 14/7c (Signal Heads)
6 - 14/7c (Ped. Heads)
1 - EGC
1 - 4" Conduit
6 - 14/2c (PB)
4 - CAT 5 (Video)
1 - CAT 5 (Antenna)
4 - EPDC
1 - EGC
1 - 3" Conduit (Spare)
1 - EGC

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

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

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

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

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

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

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

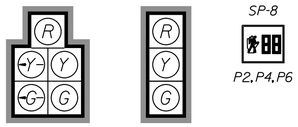
Ⓙ 1 - 3" Conduit
2 - 14/7c (Ped. Heads)
2 - 14/2c (PB)
1 - EGC

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

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

(PB) Denotes "Push Button"
EPDC Denotes "Emergency Preemption Detector Cable"
EGC Denotes "Equipment Grounding Conductor" (#6 AWG)

Proposed Signals



REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	11(3)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

JUNCTION BOX LEGEND

All Junction Boxes shall conform to St'd. JB-S2 unless otherwise noted on the plans.
(S3) Denotes St'd. JB-S3

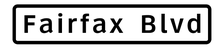
SPEED LIMITS

Fairfax Blvd.	35 MPH
Warwick Ave.	25 MPH
McLean Ave.	25 MPH

Proposed Signs

S-1


R10-12
(30" x 36")
QUANTITY - 2 EA.

S-2


D3-V1
(90" x 18")
QUANTITY - 2 EA.

S-3


D3-V1a
(120" x 30")
QUANTITY - 1 EA.

S-4


D3-V1a
(120" x 30")
QUANTITY - 1 EA.

S-5

R10-3E(L)
(9" x 15")
QUANTITY - 3 EA.

S-6

R10-3E(R)
(9" x 15")
QUANTITY - 3 EA.

SCALE
0 25' 50'

REFERENCES
(PLAN AND DETAIL SHEETS)

Roadway Plan Sheet	3
Lighting Plan Sheet	10(3)

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL PLAN

US RTES. 29/50 (FAIRFAX BLVD.) & WARWICK AVE. / McLEAN AVE.
CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	11(3)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	11(4)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

Signal Pole & Controller Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

Ⓘ CONTROLLER CABINET & FOUNDATION (CF-1)
Cabinet door hinge located on right side of pad.

Ⓐ MAST ARM POLE (MP-3), TYPE A
40.3' LT. of Fairfax Blvd Constr. ℄ Sta. 108+47
40' Arm Parallel to Fairfax Blvd
Signal Placement: 27', 35'
Sign Placement: 12'
Video Detector: 31'
Install Wireless Broadband Antennas on Base Pole.

Ⓑ MAST ARM POLE (MP-3), TYPE A
54.5' RT. of Fairfax Blvd Constr. ℄ Sta. 108+48
49' Arm Perpendicular to Fairfax Blvd
Signal Placement: 19.5', 30.5', 45'
Sign Placement: 7', 48'
Emergency Preemption Detector: 34'
Video Detector: 40'

Ⓒ MAST ARM POLE (MP-3), TYPE A
58.4' RT. of Fairfax Blvd Constr. ℄ Sta. 107+61
49' Arm Parallel to Fairfax Blvd
Signal Placement: 36.5', 44.5', 44.5'
Sign Placement: 9'
Emergency Preemption Detector: 40.5', 48'
Video Detector: 33'

Ⓓ MAST ARM POLE (MP-3), TYPE BI
46.6' LT. of Fairfax Blvd Constr. ℄ Sta. 107+74
60' Arm Perpendicular to Fairfax Blvd
Signal Placement: 24', 35', 46'
Sign Placement: 7', 49'
Emergency Preemption Detector: 29'
Video Detector: 39'

Ⓔ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

Ⓕ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

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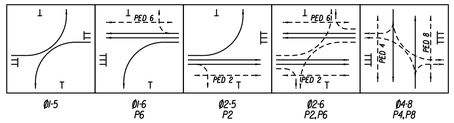
Ⓙ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

Ⓚ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

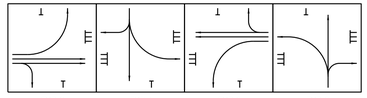
Ⓛ PEDESTAL POLE (PF-2), 12'
Install Pedestrian Signal Head, SP-8, on Pedestal Pole (SMB-3)
Install Accessible Pedestrian Actuation, PA-2, on Pedestal Pole

Ⓚ SE-5 ELECTRICAL SERVICE POLE

Phasing Diagram



Preemption Diagram



Color Sequence Chart

SIGNALS	SIGNAL	PHASES 1-5	1-6	2-5	2-6	4-8	FLASH
	1	R →G	→G G		G		Y
	2			G	G		Y
	4					G	R
	5	R →G	→G G		G		Y
	6		G		G		Y
	8					G	R
	P2	DW	DW	W	W	DW	BLANK
	P4	DW	DW	DW	DW	W	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)
- Pedestrian signals shall display the don't walk symbol during emergency preemption activation.

JUNCTION BOX LEGEND

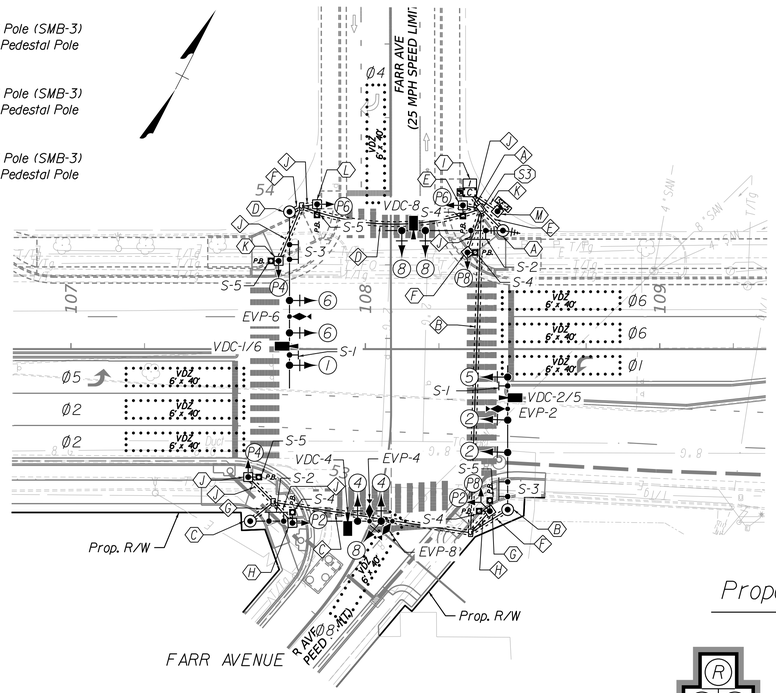
All Junction Boxes shall conform to Std. JB-S2 unless otherwise noted on the plans.

(S3) Denotes Std. JB-S3

SPEED LIMITS

Fairfax Blvd.	35 MPH
Farr Ave.	25 MPH

FARR AVENUE



CABLE AND CONDUIT LEGEND

Ⓐ 1 - 4" Conduit
7 - 14/7c (Signal Heads)
8 - 14/7c (Ped. Heads)
1 - EGC
1 - 4" Conduit
8 - 14/2c (PB)
4 - CAT 5 (Video)
2 - CAT 5 (Antenna)
4 - EPDC
1 - EGC
1 - 3" Conduit (Spare)
1 - EGC

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

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

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

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

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

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

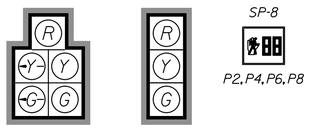
Ⓗ 1 - 3" Conduit
2 - 14/7c (Ped. Heads)
2 - 14/2c (PB)
1 - EGC

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

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

(PB) Denotes "Push Button"
EPDC Denotes "Emergency Preemption Detector Cable"
EGC Denotes "Equipment Grounding Conductor" (#6 AWG)

Proposed Signals



Proposed Signs

S-1
LEFT TURN YIELD ON GREEN
R10-12 (30" x 36")
QUANTITY - 2 EA.

S-2
Fairfax Blvd
D3-V1 (90" x 18")
QUANTITY - 2 EA.

S-3
Farr Ave
D3-V1 (66" x 18")
QUANTITY - 2 EA.

S-4
R10-3E(L) (9" x 15")
QUANTITY - 3 EA.

S-5
R10-3E(R) (9" x 15")
QUANTITY - 3 EA.

SCALE
0 25' 50'

REFERENCES
(PLAN AND DETAIL SHEETS)

Roadway Plan Sheet	4
Lighting Plan Sheet	10(4)

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL PLAN

US RTES. 29/50 (FAIRFAX BLVD.) & FARR AVE.
CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	11(4)

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020 _____
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _____
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

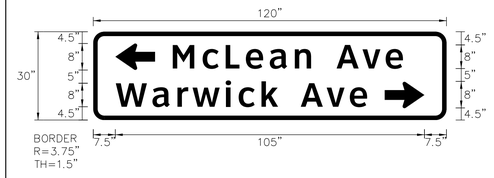
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	11(5)

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

Timmons Group
Richmond, Virginia
TRAFFIC ENGINEER

SIGN DETAIL
1:25



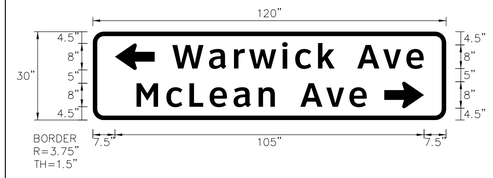
SIGN NUMBER	S-4, SHEET 11(3)
WIDTH x HGHT.	10'-0" x 2'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	3.75"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	90	7.5	17	9	13.5
AR_Type D	270	99	4	9	13.5

Panel Style: D3-V1a - 120 x 30 - Blue.ssl
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
M	c	L	e	a	n		A	v	e														ClearviewHwy-5-W
27	37.2	45	51.8	60	68.5		82.7	91.5	99.3													78.2	8/6.5
W	a	r	w	i	c	k		A	v	e													ClearviewHwy-5-W
7.7	20.1	28.6	33.7	45	49.4	57.2		70.5	79.3	87.2												85.4	8/6.5

SIGN DETAIL
1:25



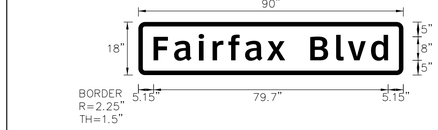
SIGN NUMBER	S-3, SHEET 11(3)
WIDTH x HGHT.	10'-0" x 2'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	3.75"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	90	7.5	17	9	13.5
AR_Type D	270	99	4	9	13.5

Panel Style: D3-V1a - 120 x 30 - Blue.ssl
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
W	a	r	w	i	c	k		A	v	e													ClearviewHwy-5-W
27	39.5	48	53.1	64.3	68.7	76.5		89.8	98.6	106.5												85.4	8/6.5
M	c	L	e	a	n		A	v	e														ClearviewHwy-5-W
14.8	25	32.8	39.7	47.8	56.3		70.5	79.3	87.2													78.2	8/6.5

SIGN DETAIL
1:25



SIGN NUMBER	S-2
WIDTH x HGHT.	7'-6" x 1'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D3-V1 - 90 x 18 - Blue.ssl
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
F	a	i	r	f	a	x		B	l	v	d												ClearviewHwy-5-W
5.1	12.1	20.5	25.2	30.6	36.2	43.7		58.4	67.2	71.2	79											79.7	8/6.5

SIGN DETAIL
1:25



SIGN NUMBER	S-3, SHEET 11(4)
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D3-V1 - 66 x 18 - Blue.ssl
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
F	a	r	r		A	v	e																ClearviewHwy-5-W
5.2	12.2	20.7	26.7		38.3	47.1	54.9															55.6	8/6.5

TRAFFIC CONTROL DEVICE PLANS

TRAFFIC SIGNAL SIGN FIGURE DETAILS

CITY OF FAIRFAX

PROJECT	SHEET NO.
0050-151-225	11(5)

9/29/2023
5:06:28 PM

PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _ _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

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CROSS SECTION INDEX OF SHEETS

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.	050	0050-151-225 P101	XS-01

Sheet No. 1	Cross Section Index of Sheets
Sheet No. 2 - 14	Fairfax Boulevard
Sheet No. 15	Warwick - McLean
Sheet No. 16 - 17	Warwick West
Sheet No. 18	Farr Avenue

PROJECT	SHEET NO.
0050-151-225	XS-01

9/29/2023
5:06:49 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

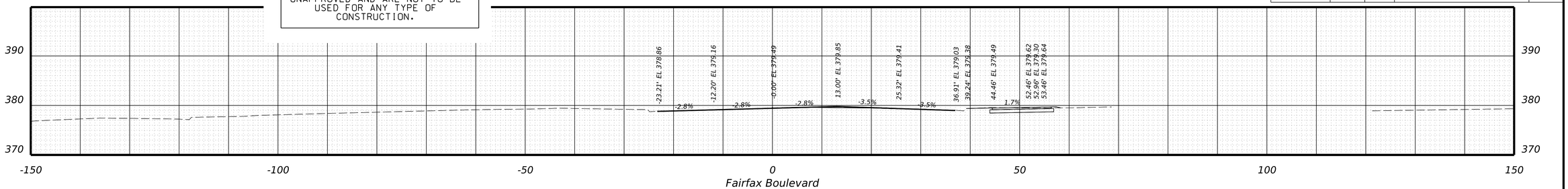
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CROSS SECTIONS

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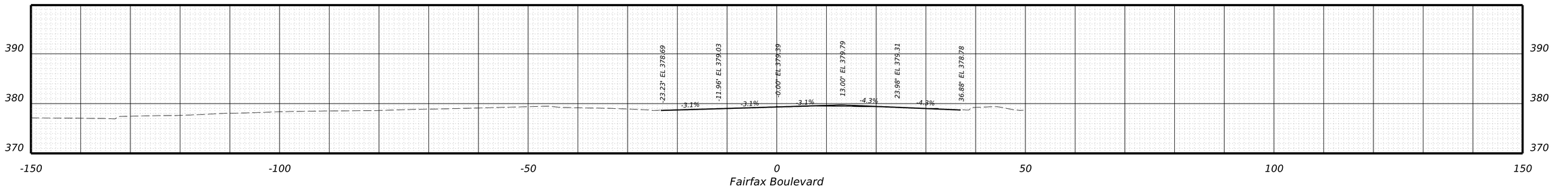
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-02



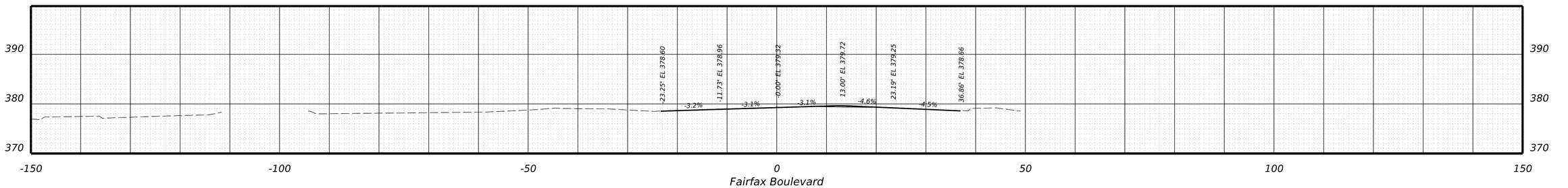
Fairfax Boulevard

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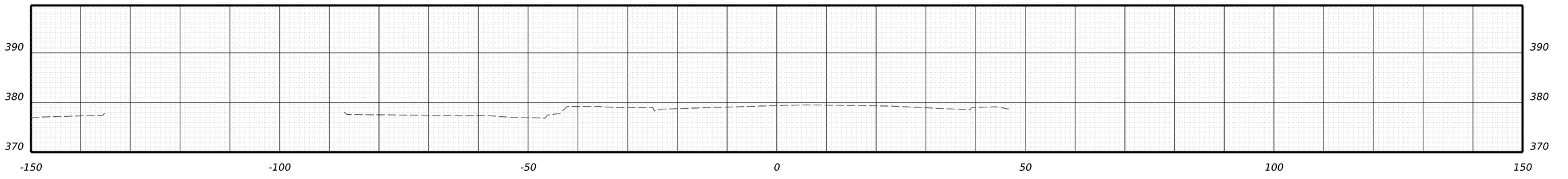
Fairfax Boulevard

STA 100+75.00



Fairfax Boulevard

STA 100+50.00



STA 100+25.00

PROJECT	SHEET NO.
0050-151-225	XS-02

9/29/2023
5:06:50 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

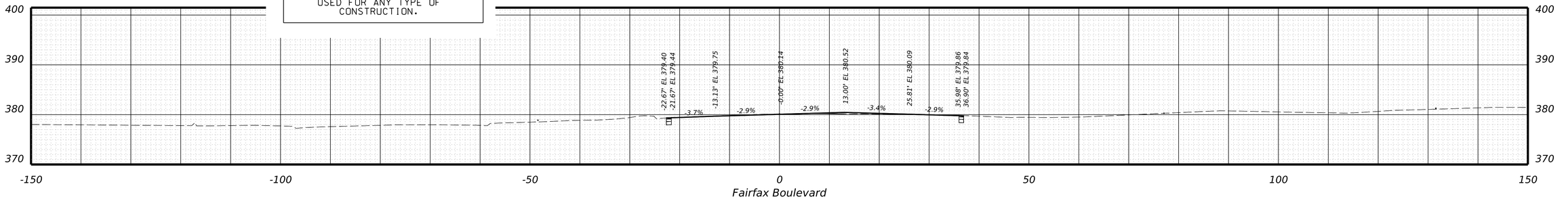
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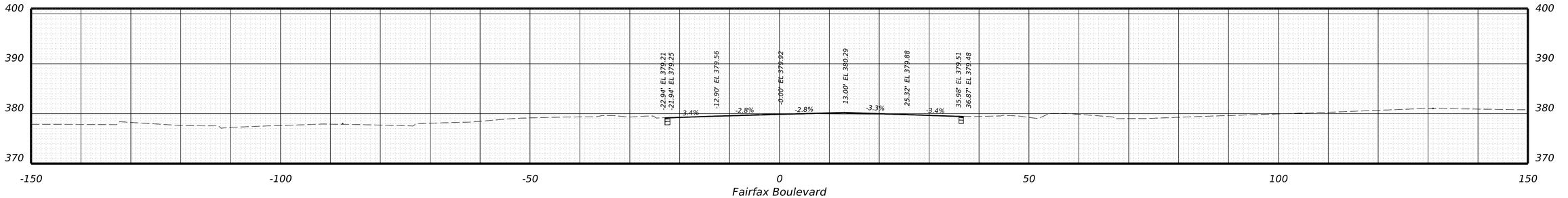
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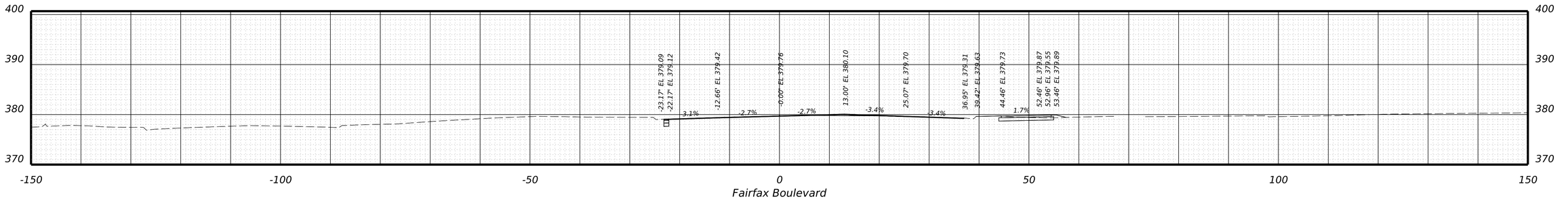
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-03



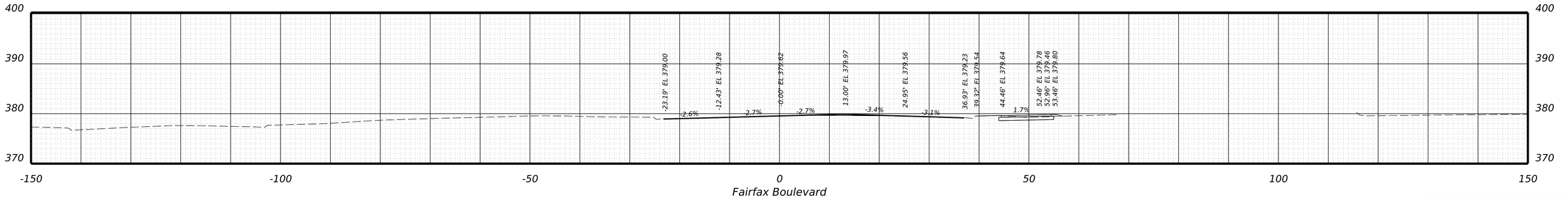
Fairfax Boulevard
STA 102+00.00



Fairfax Boulevard
STA 101+75.00



Fairfax Boulevard
STA 101+50.00



Fairfax Boulevard
STA 101+25.00

PROJECT	SHEET NO.
0050-151-225	XS-03

9/29/2023
5:06:51 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

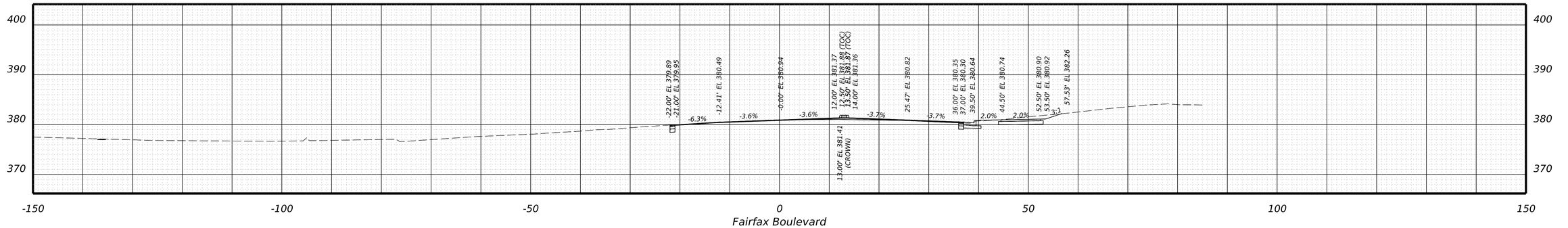
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CROSS SECTIONS

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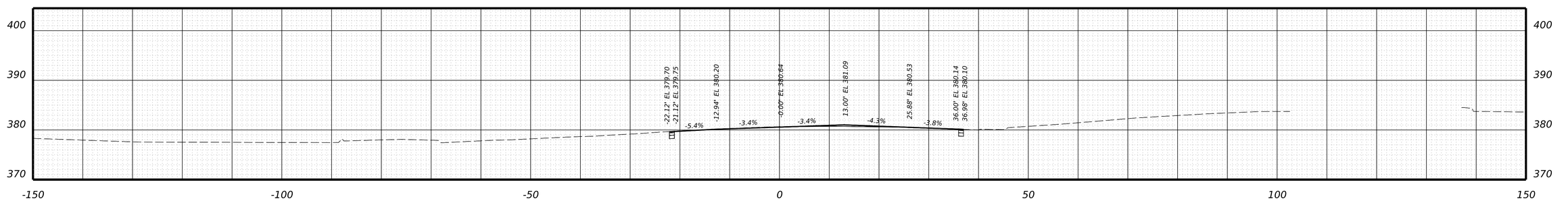
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-04



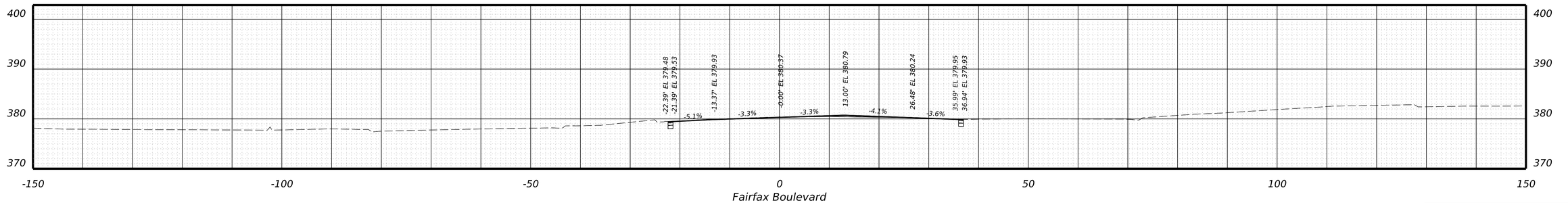
Fairfax Boulevard

STA 102+75.00



Fairfax Boulevard

STA 102+50.00



Fairfax Boulevard

STA 102+25.00

PROJECT	SHEET NO.
0050-151-225	XS-04

9/29/2023
5:06:52 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

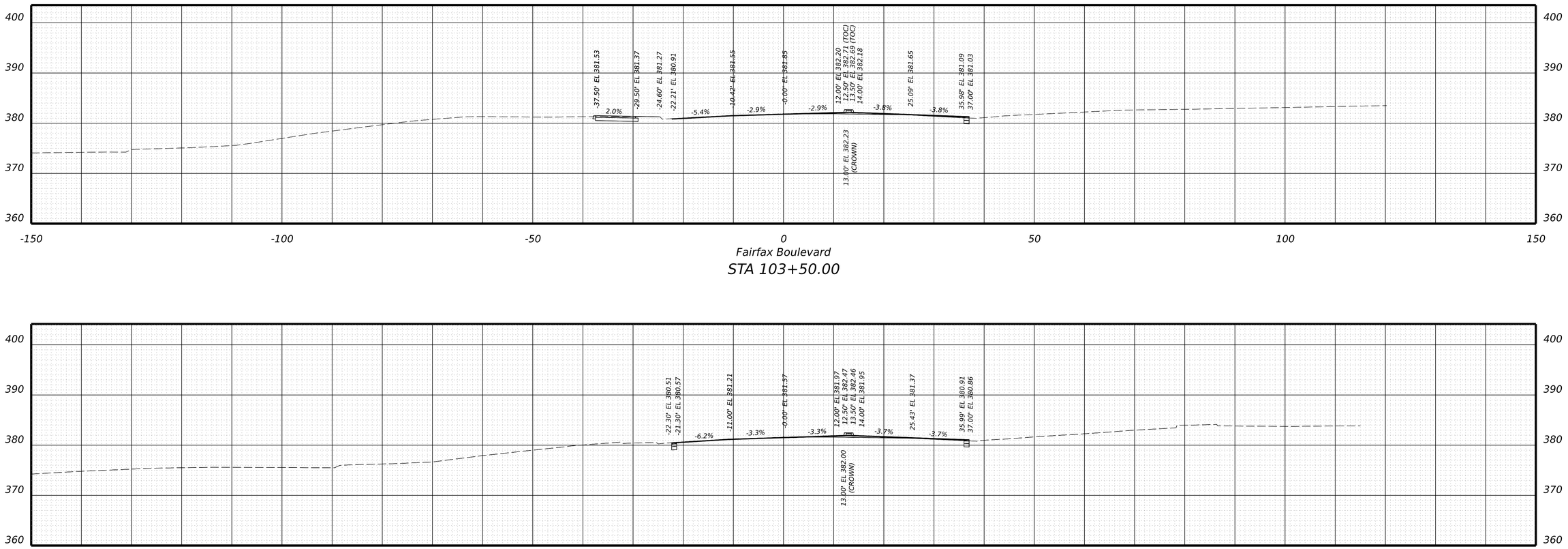
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

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.	050	0050-151-225 P101	XS-05



Fairfax Boulevard

STA 103+50.00

Fairfax Boulevard

STA 103+25.00

Fairfax Boulevard

STA 103+00.00

PROJECT	SHEET NO.
0050-151-225	XS-05

9/29/2023
5:06:53 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

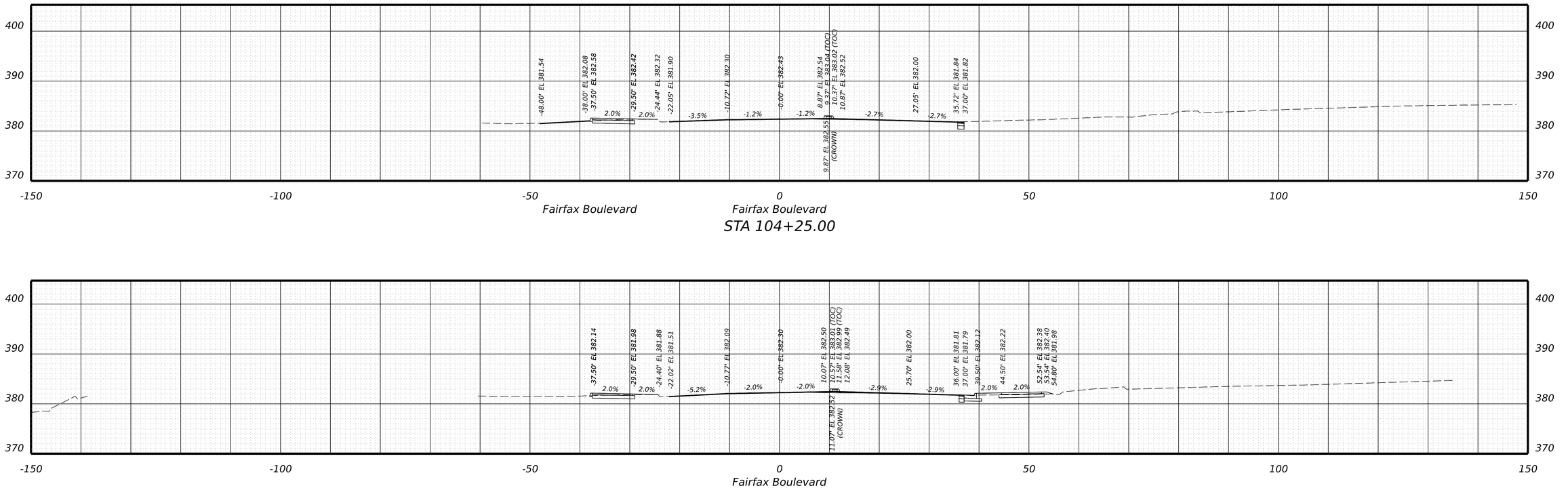
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

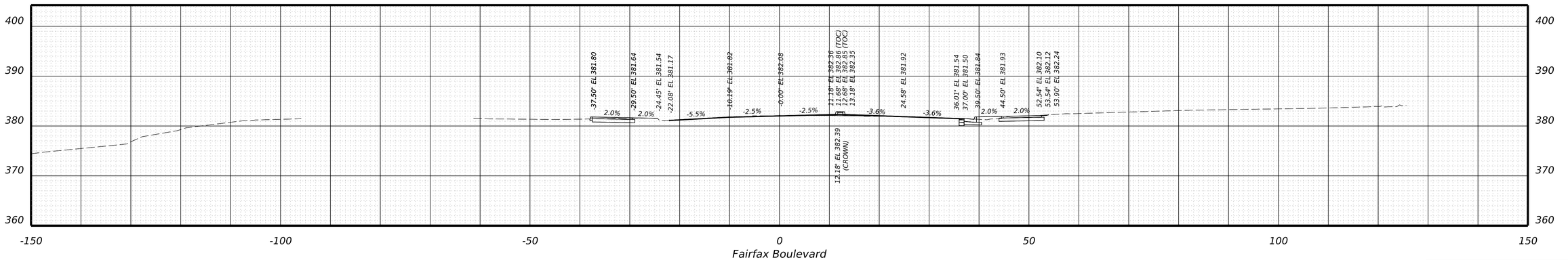
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-06



STA 104+25.00

STA 104+00.00



STA 103+75.00

PROJECT	SHEET NO.
0050-151-225	XS-06

9/29/2023
5:06:54 PM

PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _ _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

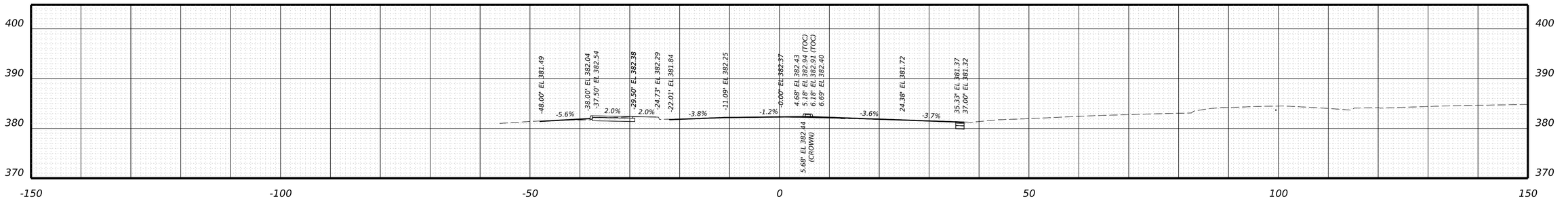
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

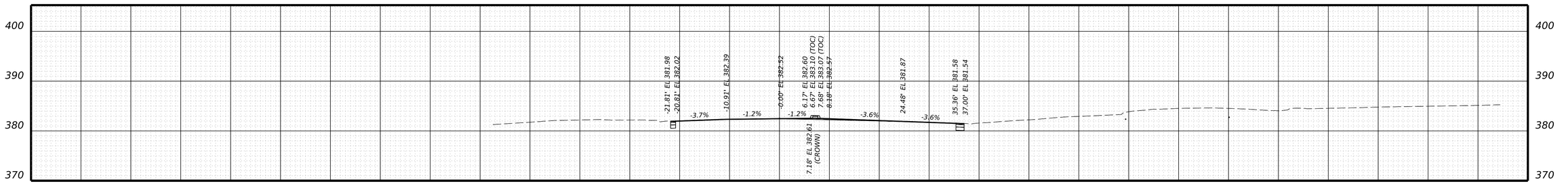
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-07



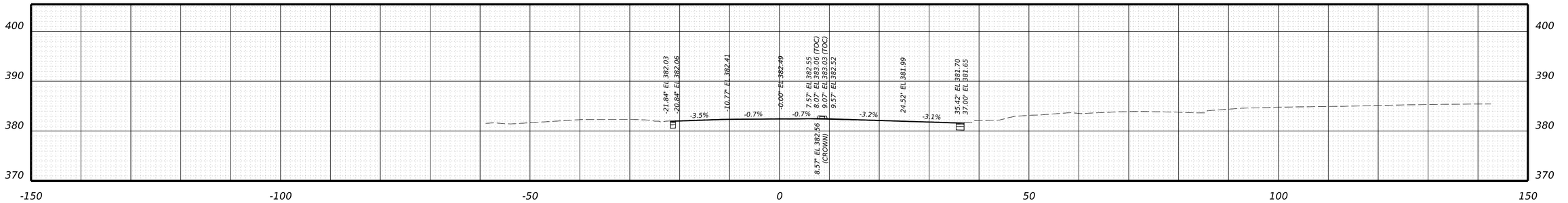
Fairfax Boulevard

STA 105+00.00



Fairfax Boulevard

STA 104+75.00



Fairfax Boulevard

STA 104+50.00

PROJECT	SHEET NO.
0050-151-225	XS-07

9/29/2023
5:06:55 PM

PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _ _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

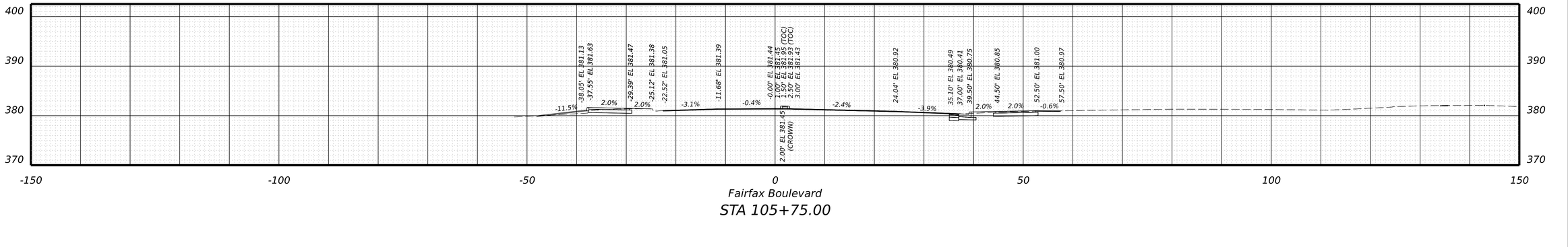
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

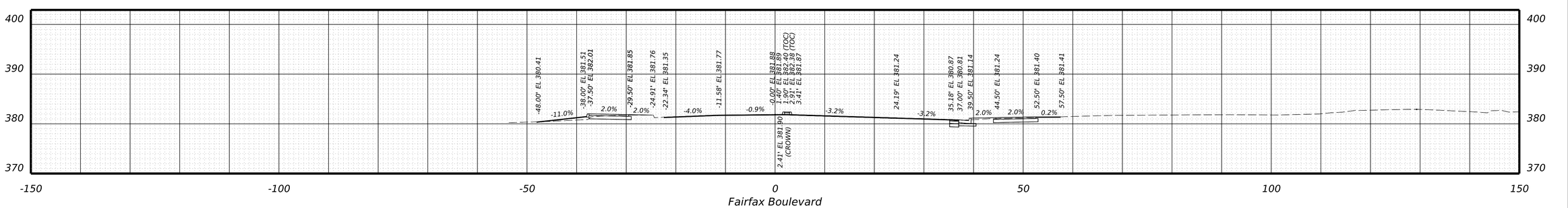
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-08



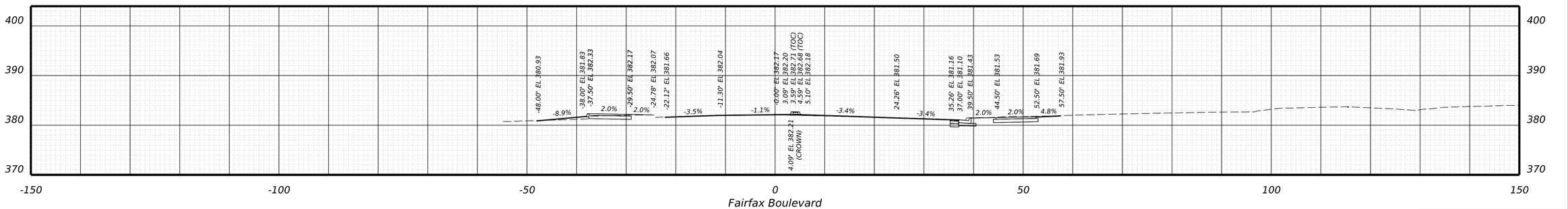
Fairfax Boulevard

STA 105+75.00



Fairfax Boulevard

STA 105+50.00



Fairfax Boulevard

STA 105+25.00

PROJECT	SHEET NO.
0050-151-225	XS-08

9/29/2023
5:06:56 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

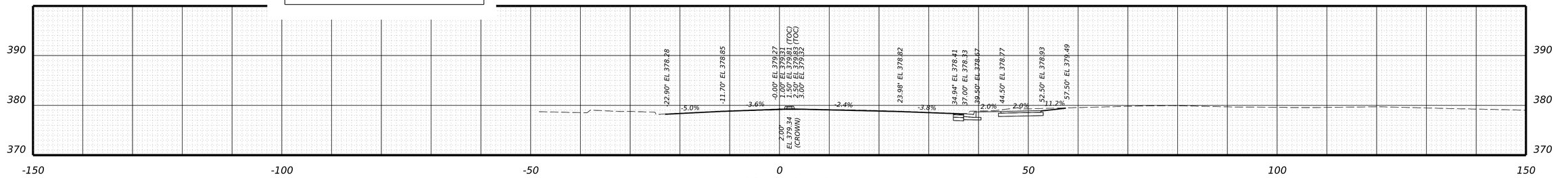
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

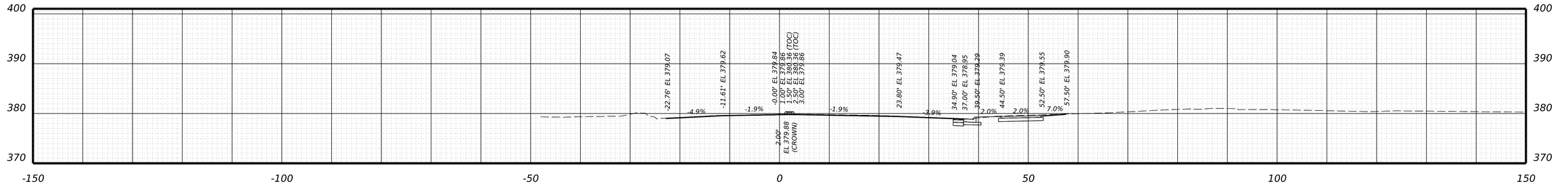
SCALE 1 IN. = 10 FT

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

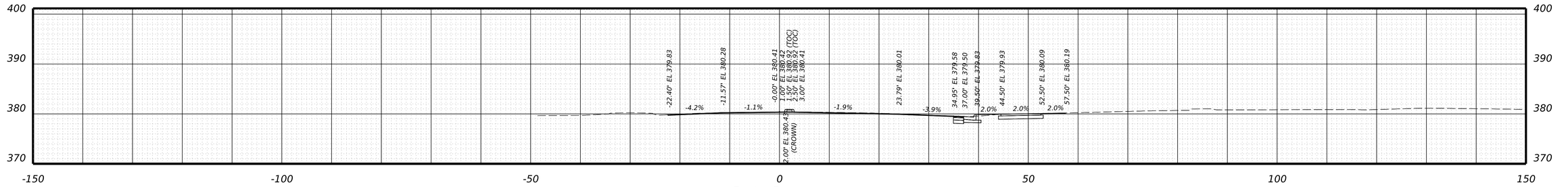
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-09



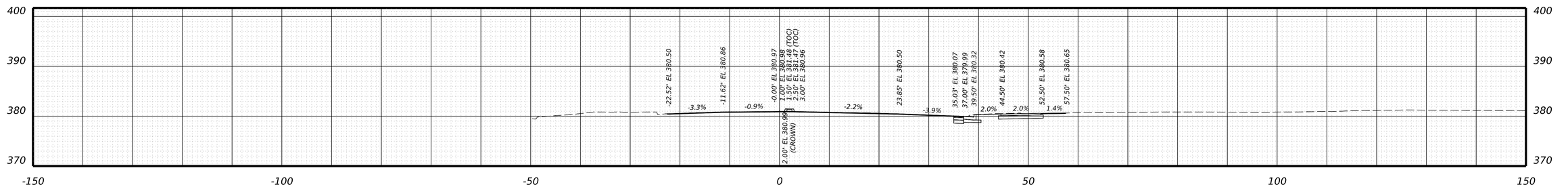
Fairfax Boulevard
STA 106+75.00



Fairfax Boulevard
STA 106+50.00



Fairfax Boulevard
STA 106+25.00



Fairfax Boulevard
STA 106+00.00

PROJECT	SHEET NO.
0050-151-225	XS-09

9/29/2023
5:06:58 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

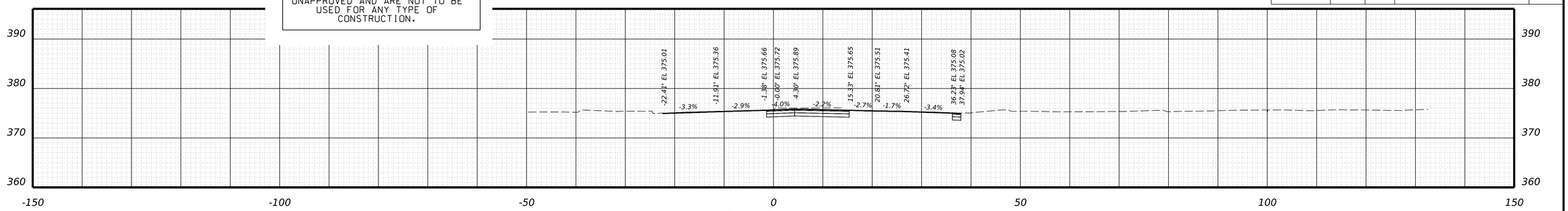
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CROSS SECTIONS

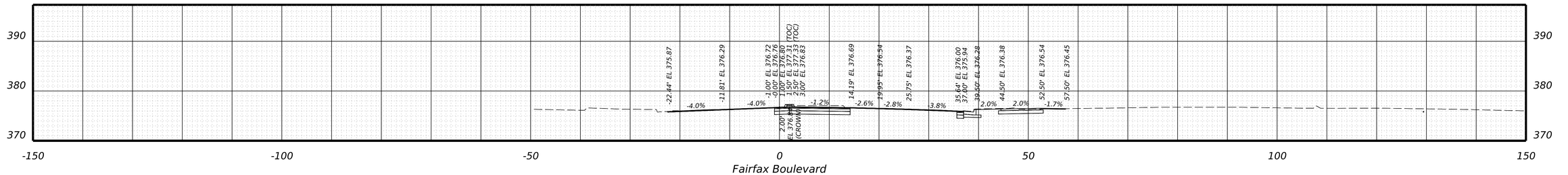
SCALE 1 IN. = 10 FT

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

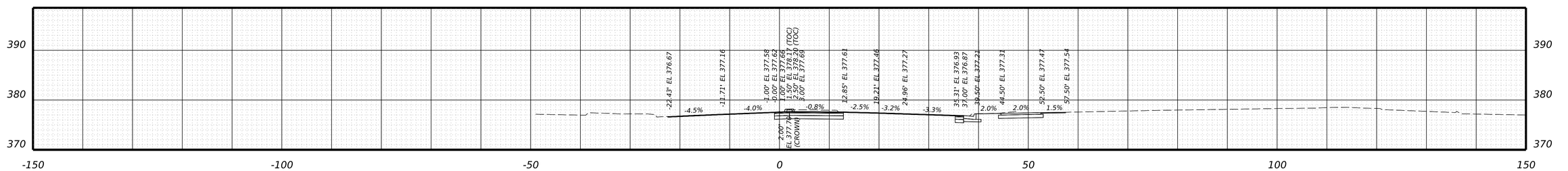
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-10



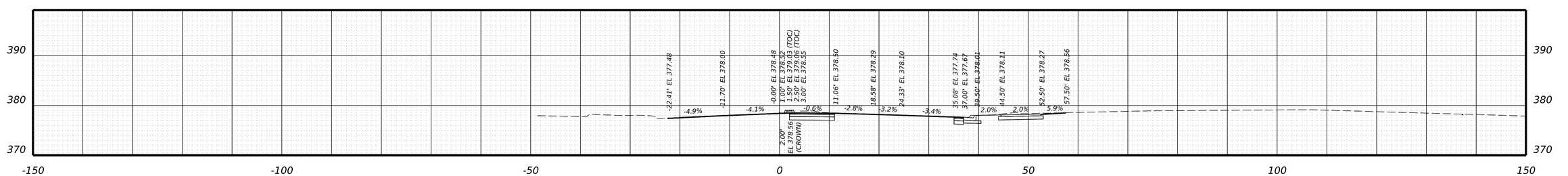
Fairfax Boulevard
STA 107+75.00



Fairfax Boulevard
STA 107+50.00



Fairfax Boulevard
STA 107+25.00



Fairfax Boulevard
STA 107+00.00

PROJECT	SHEET NO.
0050-151-225	XS-10

9/29/2023
5:06:59 PM

PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _ _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

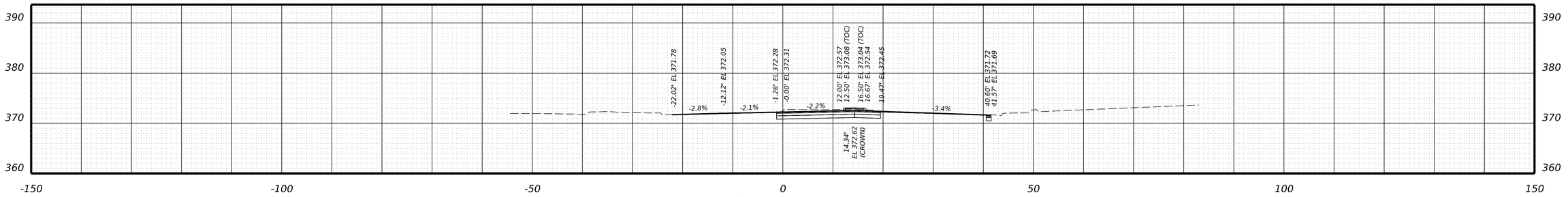
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CROSS SECTIONS

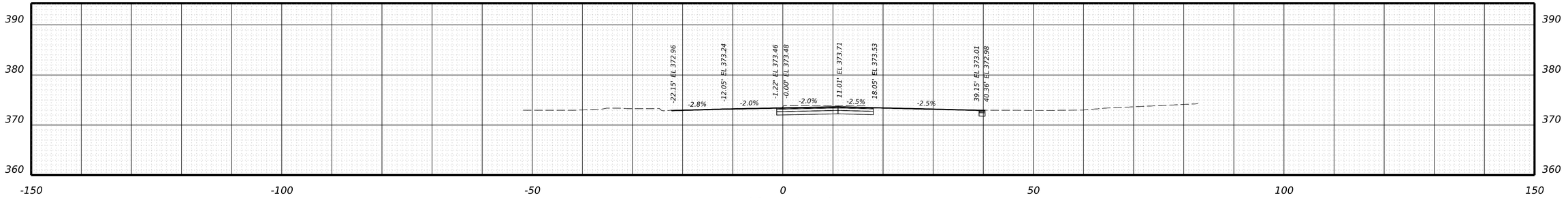
SCALE 1 IN. = 10 FT

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

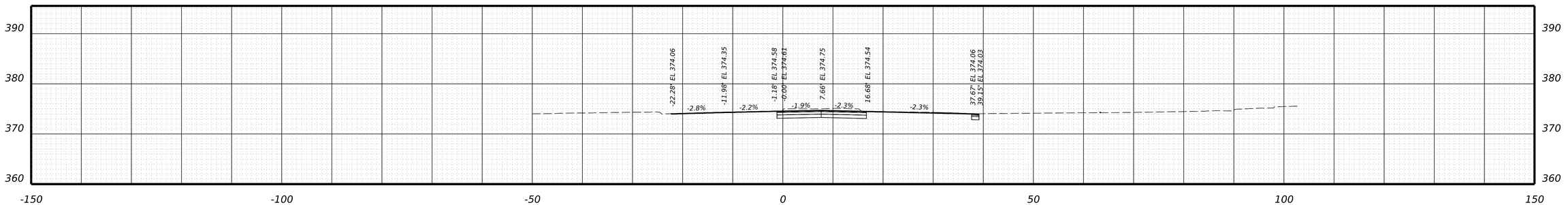
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-11



Fairfax Boulevard
STA 108+50.00



Fairfax Boulevard
STA 108+25.00



Fairfax Boulevard
STA 108+00.00

PROJECT	SHEET NO.
0050-151-225	XS-11

9/29/2023
5:07:00 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

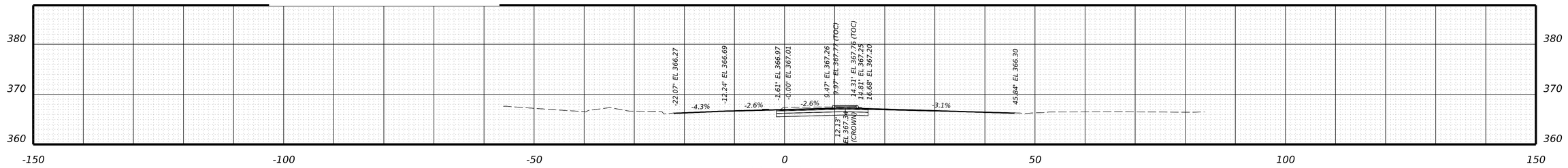
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CROSS SECTIONS

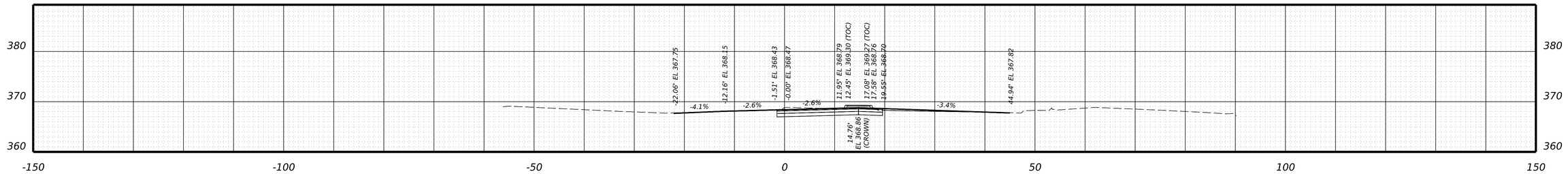
SCALE 1 IN. = 10 FT

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

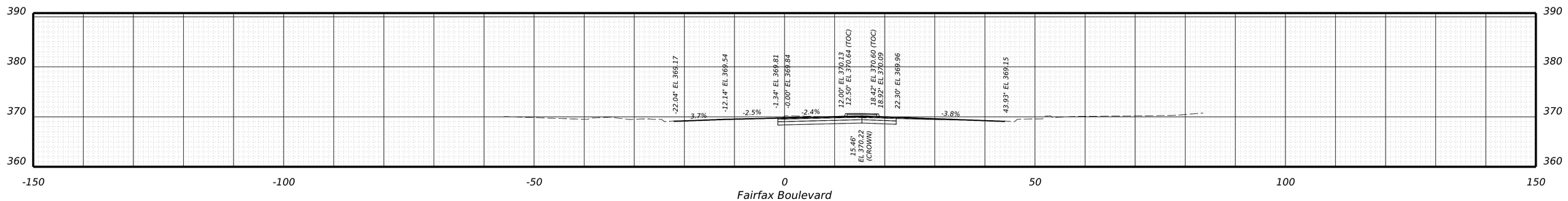
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-12



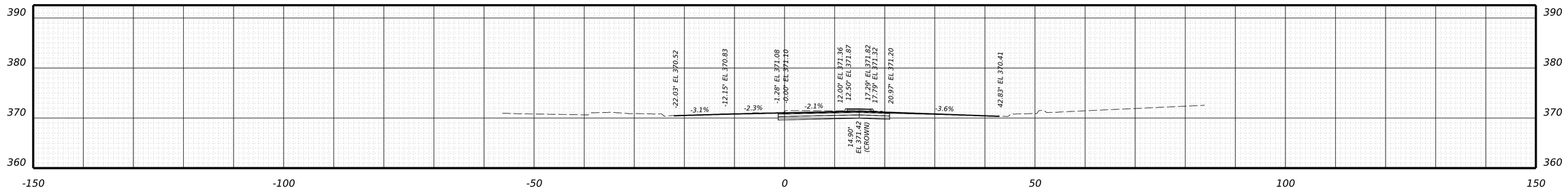
Fairfax Boulevard
STA 109+50.00



Fairfax Boulevard
STA 109+25.00



Fairfax Boulevard
STA 109+00.00



Fairfax Boulevard
STA 108+75.00

PROJECT	SHEET NO.
0050-151-225	XS-12

9/29/2023
5:07:01 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

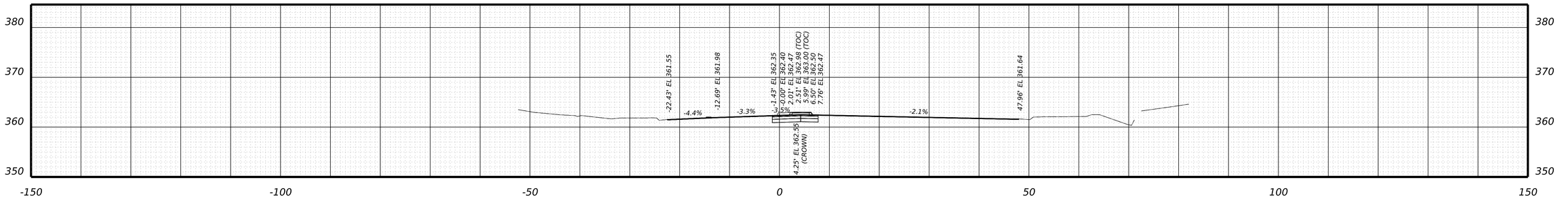
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

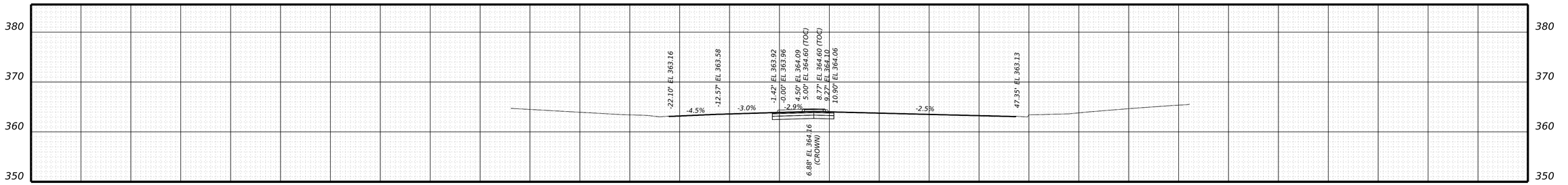
SCALE 1 IN. = 10 FT

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

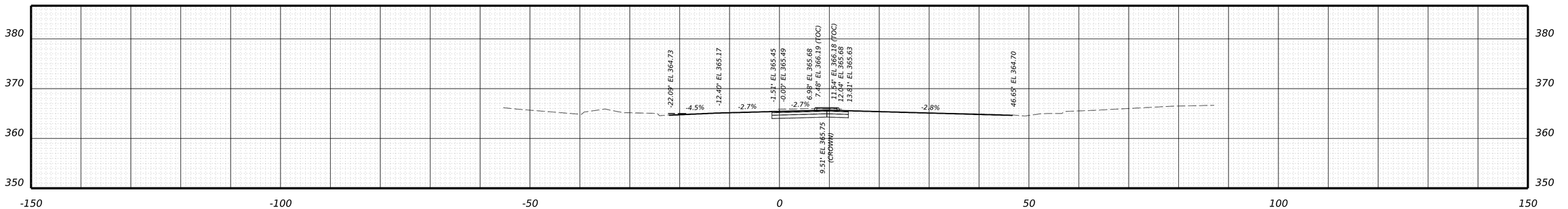
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-13



Fairfax Boulevard
STA 110+25.00



Fairfax Boulevard
STA 110+00.00



Fairfax Boulevard
STA 109+75.00

PROJECT	SHEET NO.
0050-151-225	XS-13

9/29/2023
5:07:01 PM

PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

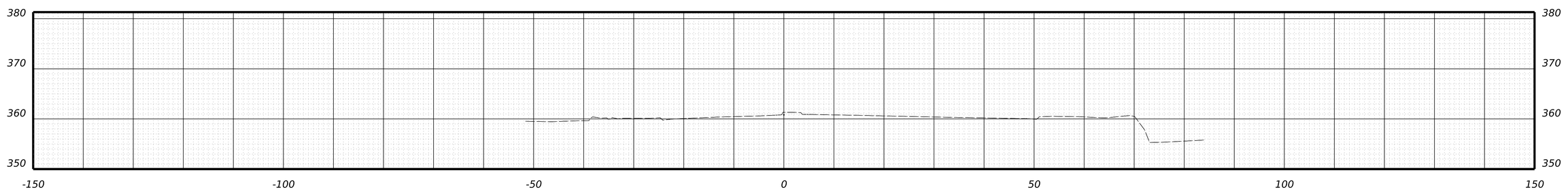
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

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

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	050	0050-151-225 P101	XS-14



STA 110+50.00

PROJECT	SHEET NO.
0050-151-225	XS-14

9/29/2023
5:07:16 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _____ TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

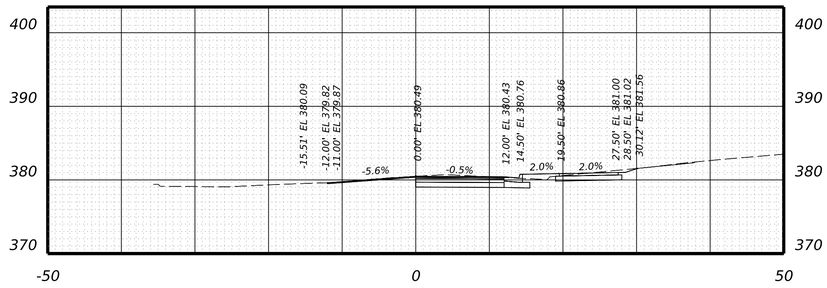
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

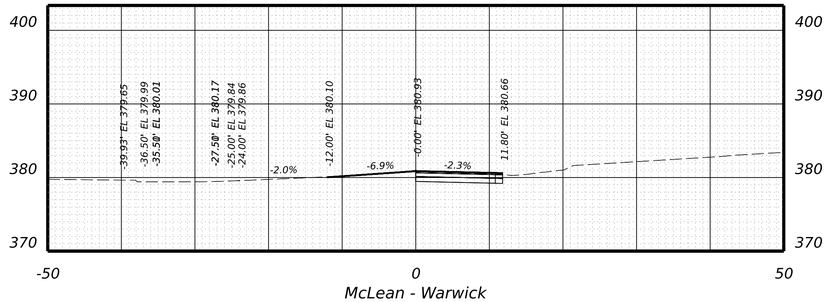
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-15



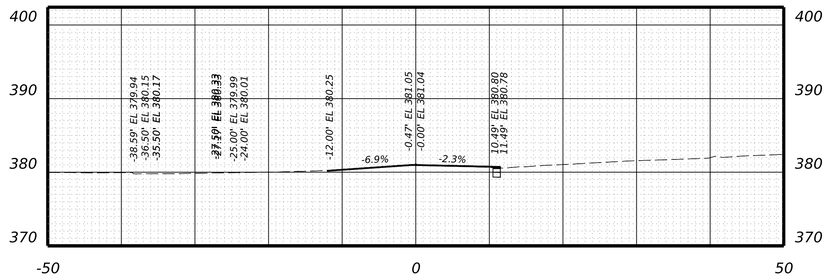
McLean - Warwick

STA 11+50.00



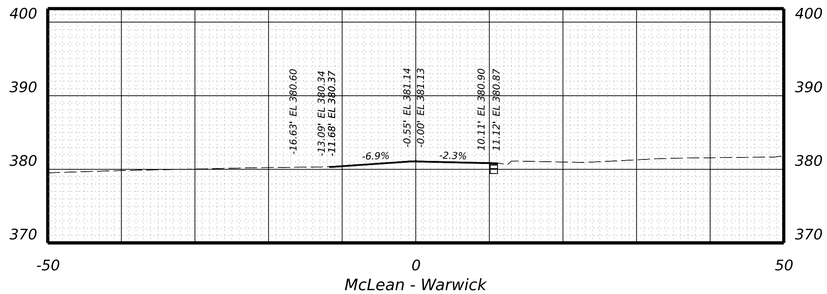
McLean - Warwick

STA 11+25.00



McLean - Warwick

STA 11+00.00



McLean - Warwick

STA 10+75.00

PROJECT	SHEET NO.
0050-151-225	XS-15

9/29/2023
5:07:32 PM

PROJECT MANAGER _ CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ TIMMONS GROUP (804) 200-6500
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

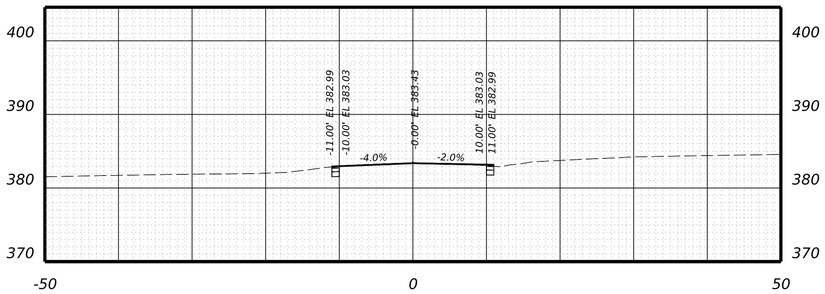
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

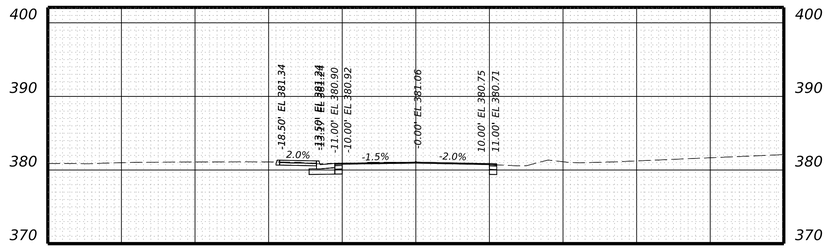
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-16



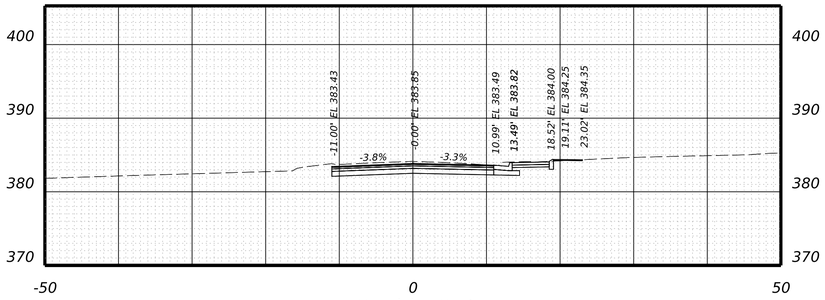
Warwick - West

STA 31+50.00



Warwick - West

STA 32+25.00

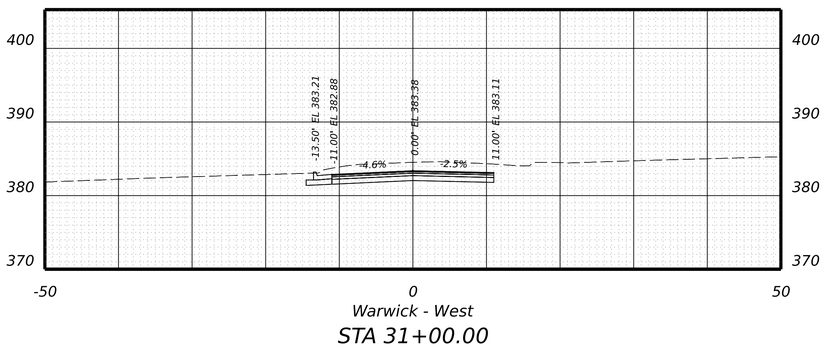


Warwick - West

STA 31+25.00

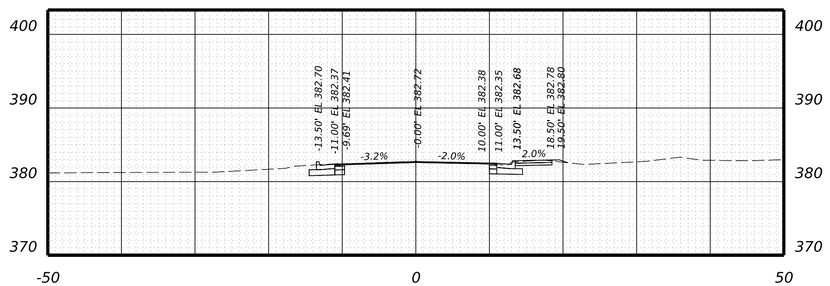
Warwick - West

STA 32+00.00



Warwick - West

STA 31+00.00



Warwick - West

STA 31+75.00

PROJECT	SHEET NO.
0050-151-225	XS-16

9/29/2023
5:07:32 PM

PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _ _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

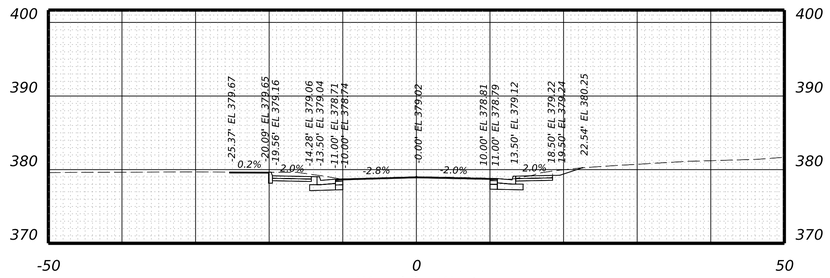
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

CROSS SECTIONS

SCALE 1 IN. = 10 FT

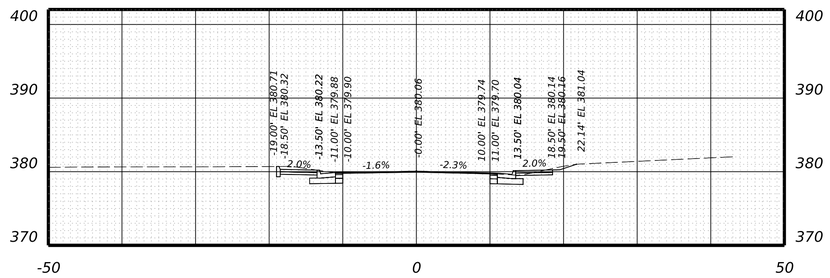
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	050	0050-151-225 P101	XS-17



Warwick - West

STA 32+75.00



Warwick - West

STA 32+50.00

PROJECT	SHEET NO.
0050-151-225	XS-17

9/29/2023
5:07:46 PM

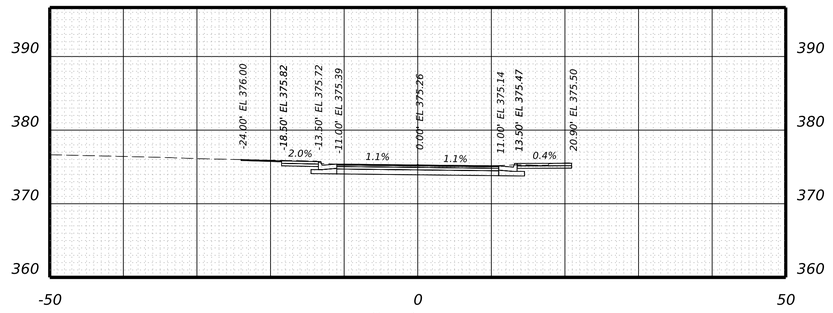
PROJECT MANAGER _ _CHRISTINA ALEXANDER (CITY PM) (703) 385-7810
SURVEYED BY, DATE _ _TIMMONS GROUP (804) 200-6500 8/2020
DESIGN BY _ _ _ _ _ _ _ _ _TIMMONS GROUP (804) 200-6500 _
SUBSURFACE UTILITY BY, DATE TIMMONS GROUP (804) 200-6500 8/2020

PAC PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

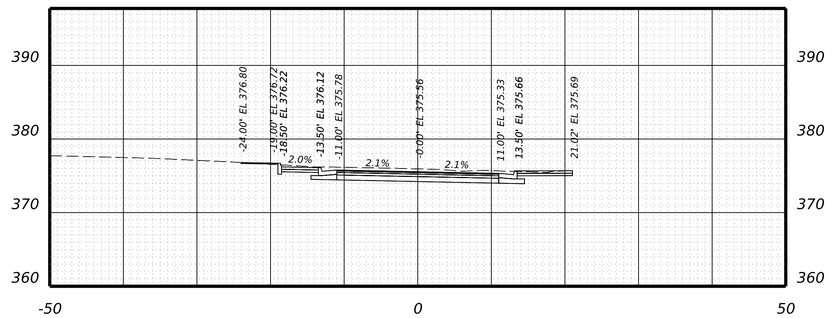
CROSS SECTIONS

SCALE 1 IN. = 10 FT



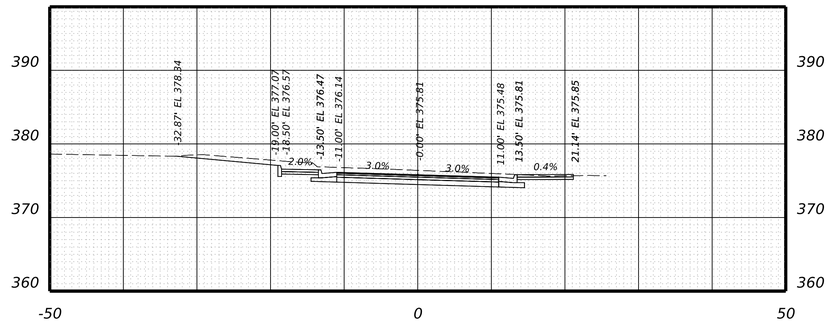
Farr Avenue

STA 52+50.00



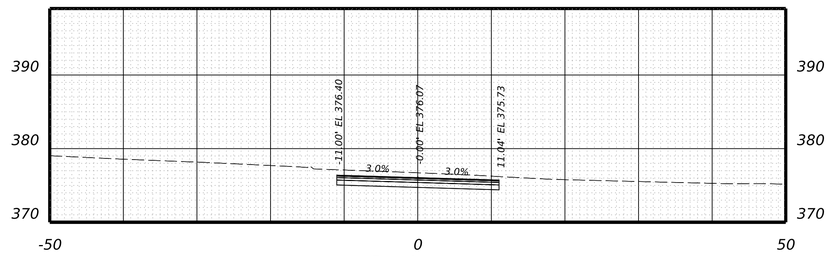
Farr Avenue

STA 52+25.00



Farr Avenue

STA 52+00.00



Farr Avenue

STA 51+75.00

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.	050	0050-151-225 P101	XS-18

PROJECT	SHEET NO.
0050-151-225	XS-18