ARLINGTON
VIRGINIA

ENGINEER
DEPARTMENT OF
ENVIRONMENTAL SERVICES

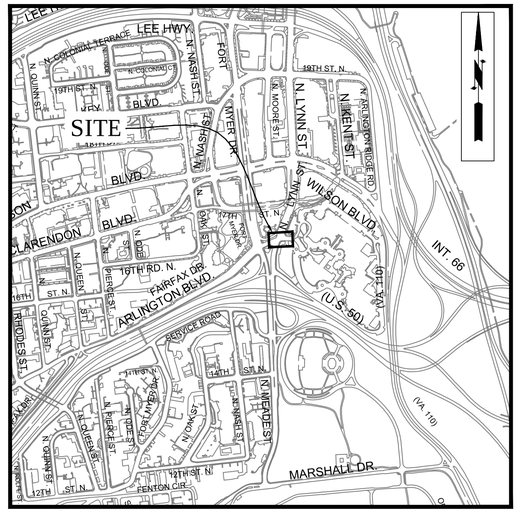
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629 FAX: 703.228.3606
WWW.ARLINGTONVA.US

OWNER
DEPARTMENT OF
ENVIRONMENTAL SERVICES

DIVISION OF TRANSPORTATION & DEVELOPMENT
TRANSPORTATION PLANNING
2100 CLARENDON BOULEVARD, SUITE 900,
ARLINGTON, VA 22201
PHONE: 703.228.3681 FAX: 703.228.7584
WWW.ARLINGTONVA.US

CONTRACTOR
TO BE DETERMINED

LOCATION MAP



0 600' 1200'
GRAPHIC SCALE

CONSTRUCTION DRAWINGS FOR:

FAIRFAX DR.& N. LYNN ST.
SE CORNER AT INTERSECTION

PROJECT CODE: P14D

GENERAL NOTES:

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES, CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND WHERE APPLICABLE THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, AND ROAD AND BRIDGE STANDARDS. THE LATEST EDITIONS OF EACH RELEVANT MANUAL SHALL BE USED.
2. ALL CONSTRUCTION AND WORK ACTIVITIES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ALL OTHER RELEVANT WORK SAFETY REQUIREMENTS, LATEST EDITIONS.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT OFFICER OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
4. THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 FOR MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (i.e. WATER, SEWER, GAS, TELEPHONE, ELECTRIC, AND CABLE TV) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO IDENTIFY AND PROTECT ALL OTHER UTILITY LINES FOUND IN THE WORK SITE AREA BELONGING TO OTHER OWNERS THAT ARE NOT MEMBERS OF "MISS UTILITY". PRIVATE WATER, SEWER AND GAS LATERALS WILL NOT BE MARKED BY MISS UTILITY OR THE COUNTY. THE CONTRACTOR SHALL LOCATE AND PROTECT THESE SERVICES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND SHALL RETAIN A PROFESSIONAL LAND SURVEYOR LICENSED IN THE COMMONWEALTH OF VIRGINIA TO PROVIDE ALL NECESSARY CONSTRUCTION LAYOUTS AND ESTABLISH ALL CONTROL LINES, GRADES, AND ELEVATION DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL CUT SHEETS FOR REVIEW, PER THE SPECIFICATIONS. THE COST OF ALL NECESSARY SURVEYING SERVICES SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND, UNLESS OTHERWISE SPECIFIED, THE COST SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
6. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM BEST AVAILABLE RECORDS AND SHALL BE CONSIDERED TO BE APPROXIMATE. WHEN CONSTRUCTION ACTIVITY REACHES IN PROXIMITY TO EXISTING UTILITIES, THE TRENCH(ES) SHALL BE OPENED A SUFFICIENT DISTANCE AHEAD OF THE WORK OR TEST PITS SHALL BE MADE TO VERIFY THE EXACT LOCATION AND INVERTS OF THE UTILITY TO ALLOW FOR POSSIBLE CHANGES IN THE LINE OR GRADE AS DIRECTED BY OFFICER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES AND THE RELATED STRUCTURES. ALL EXISTING UTILITY SYSTEMS SHALL BE PROTECTED TO PREVENT DAMAGE DURING THE CONTRACTOR'S OPERATIONS. ANY SYSTEM DAMAGED SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
7. EXISTING MANHOLE FRAMES, COVERS, VALVE BOXES, AND OTHER APPURTENANCES SHALL BE ADJUSTED TO THE FINAL GRADE OR REPLACED, AS NECESSARY. UNLESS OTHERWISE SPECIFIED, THE COST FOR THIS SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
8. THE CONTRACTOR SHALL PROVIDE ADA COMPLIANT ACCESS THROUGH OR AROUND THE SITE AT ALL TIMES AND SHALL ENSURE THE SAFETY OF ALL THOSE PASSING THROUGH OR ADJACENT TO THE SITE.

STORMWATER AND ENVIRONMENTAL PROTECTION

9. THE CONTRACTOR SHALL CONFINE ALL ACTIVITIES AT THE SITE ASSOCIATED WITH CONSTRUCTION ACTIVITIES, TO INCLUDE STORAGE OF EQUIPMENT AND OR MATERIALS, ACCESS TO THE WORK, FORMWORK, ETC. TO WITHIN THE DESIGNATED LIMITS OF DISTURBANCE (LOD).

TREE PROTECTION

10. TREES SHALL BE PROTECTED PER THE REQUIREMENTS OF ARLINGTON PARKS & RECREATION STANDARD.

TRAFFIC CONTROL

11. CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER AT LEAST 3 WORKING DAYS PRIOR TO DISTURBING ANY EXISTING, OR INSTALLING ANY NEW, TRAFFIC SIGNS, SIGNALS, OR OTHER TRAFFIC CONTROL DEVICES.
12. THE CONTRACTOR SHALL PREMARK THE LAYOUT OF ANY PERMANENT TRAFFIC CONTROL STRIPING, INDICATING THE PROPOSED LOCATION AND TYPE OF MARKING TO BE INSTALLED. THE PREMARKING MAY CONSIST OF TYPE D TAPE, CHALK, OR LUMBER CRAYONS. THE CONTRACTOR SHALL ALLOW 3 WORKING DAYS FOR THE INSPECTION AND APPROVAL OF THE PREMARKINGS PRIOR TO PLACING THE PERMANENT MARKINGS.
13. THE CONTRACTOR SHALL SUBMIT ANY REQUESTS FOR TEMPORARY "NO PARKING" RESTRICTIONS TO THE PROJECT OFFICER AT LEAST 3 WORKING DAYS PRIOR TO THE DESIRED ONSET OF RESTRICTIONS.
14. THE CONTRACTOR SHALL PRESERVE ALL BUS STOPS, INCLUDING MAINTAINING ADEQUATE ACCESSIBILITY THROUGH AND ADJACENT TO THE CONSTRUCTION FOR BUSES AND THEIR PASSENGERS. THE CONTRACTOR SHALL NOT CLOSE, RELOCATE, OR OTHERWISE MODIFY A BUS STOP WITHOUT PRIOR REQUEST OF THE PROJECT OFFICER. TYPICALLY ANY RELOCATION OR CLOSURE OF A BUS STOP WILL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR. ALL TEMPORARY AND FINAL BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE
15. WHEN CONDITIONS WARRANT DUE TO TRAFFIC VOLUMES, PATTERNS, OR SPECIAL EVENTS, THE COUNTY MAY SUSPEND OR OTHERWISE DIRECT THE CONTRACTOR'S ACTIVITIES TO PROTECT THE PUBLIC AND OR THE COUNTY'S TRANSPORTATION NETWORK.

WATER DISTRIBUTION, STORM, AND SANITARY SEWER SYSTEMS

16. UNLESS OTHERWISE DIRECTED, CONTRACTORS ARE EXPRESSLY PROHIBITED FROM OPERATING ANY WATER VALVES OR APPURTENANCES. CONTRACTORS SHALL SUBMIT ALL REQUESTS FOR VALVE OPERATIONS TO THE PROJECT OFFICER AT LEAST 3 WORKING DAYS IN ADVANCE OF THE REQUIRED OPERATION.
17. IN THE EVENT OF A WATER OR SEWER EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY'S WATER CONTROL CENTER AT 703-228-5555 AND THE PROJECT OFFICER.

TABLE OF CONTENTS

ADT

3,900 -VPD FAIRFAX DRIVE - 2017 - TE & O
21,000 - VPD N. LYNN ST. 2017 - TE & O

STREET CLASSIFICATION

PRINCIPAL ARTERIAL	N. LYNN ST.	25 MPH
NEIGHBORHOOD PRINCIPAL	FAIRFAX DRIVE	25 MPH

MAINTAINING AGENCY : ARLINGTON COUNTY

POSTED/ DESIGN SPEED

25 MPH - FAIRFAX DRIVE
25 MPH - N. LYNN ST.

DESIGN VEHICLE

2011 AASHTO CITY BUS AUTOTURN (TURNING MOVEMENT) USED SPEED: 10MPH

ARLINGTON
VIRGINIA

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FACILITIES & ENGINEERING DIVISION
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2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER W RIGBY JR.
Lic. No. 019419
2/11/19
PROFESSIONAL ENGINEER

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/4/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/13/19
WATER, SEWER, STREETS BUREAU CHIEF	2/13/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.
COVER SHEET
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D_B-4-200-COVER.DWG
PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE
PLOTTED: JANUARY 30 2019
PLOTTED BY: KPATEL

SCALE: AS NOTED

SHEET 1 OF 13

REVISED ON 11/08/2016

LINETYPE LEGEND

FEATURE	EXISTING	PROPOSED
BACK OF CURB		
BUILDING		
CENTERLINE / BASELINE		
COMMUNICATIONS CABLE	COM	COM
CONTOURS	250	250
CRITICAL ROOT ZONE	CRZ	CRZ
EASEMENT		
ELECTRIC (UNDERGROUND)	UGE	
FACE OF CURB		
FENCE (MATERIAL NOTED)	X	X
FIBER OPTIC		fo
GAS LINE	GAS	GAS
X" GAS LINE (SIZE INCLUDED IF AVAILABLE)	X" G	X" G
GUARDRAIL		
HARDSCAPE FEATURE (MATERIAL NOTED)		
LIMITS OF DISTURBANCE	LOD	LOD
LIMITS OF WORK	LOW	LOW
OVERHEAD WIRES		
PAVEMENT MINI SKIP LINE		
PAVEMENT SKIP LINE		
PROPERTY LINE		
RIGHT-OF-WAY LINE		
ROOT PRUNING	RP	RP
SANITARY SEWER		SAN
X" SANITARY SEWER (SIZE INCLUDED IF AVAILABLE)	X" S	X" S
SILT FENCE	SF	SF
STORM (SIZE NOTED)		
STREAM		
STREET LIGHT CONDUIT	SL	SL
TELEPHONE (UNDERGROUND)	UGT	UGT
TREE LINE		
TREE PROTECTION FENCE	TPF	TPF
WALL		
WATER		
X" WATER (SIZE INCLUDED IF AVAILABLE)	X" W	X" W

SYMBOL LEGEND

EXISTING	PROPOSED
EX BENCHMARK	PROP FIRE HYDRANT
EX CABLE PEDESTAL	PROP GAS VALVE
EX ELECTRIC BOX	PROP LIGHT POLE
EX FIRE HYDRANT	PROP PAY STATION
EX GAS VALVE	PROP SANITARY MANHOLE
EX GROUND LIGHT	PROP STORM CATCH BASIN (TO SCALE)
EX GUY WIRES	PROP STORM MANHOLE
EX IRON PIPE OR PIN	PROP TRAFFIC SIGN
EX LIGHT POLE	PROP TRASH CAN
EX MAILBOX	PROPOSED TREE REMOVAL
EX MONUMENT	PROP UTILITY POLE
EX PARKING METER	PROP WATER MANHOLE
EX PAY STATION	PROP WATER METER
EX SANITARY MANHOLE	PROP WATER VALVE
EX STORM BASIN	PROP YARD INLET (TO SCALE)
EX STORM MANHOLE	CONSTRUCTION NOTES (LEADER TO AREA AFFECTED)
EX TELEPHONE PEDESTAL	CURVE NUMBER (SEE CURVE TABLE)
EX TRAFFIC CONTROL BOX	LINE NUMBER (SEE LINE TABLE)
EX TRAFFIC SIGN	NORTH ARROW
EX TRASH CAN	TEST HOLE
EX TRAVERSE	
EX TREES, WOODED AREA	
EX UTILITY MANHOLE TYPE INDICATED ELECTRIC, TELE, ETC	
EX UTILITY POLE	
EX WATER MANHOLE	
EX WATER METER	
EX WATER VALVE	
EX YARD INLET	

HATCH LEGEND

PROP MILL & OVERLAY SEE TYPICAL SECTION FOR DETAILS	
PROP FULL DEPTH ASPHALT SEE TYPICAL SECTION FOR DETAILS	
PROP CONCRETE	
REPLACE & MATCH EXISTING DRIVEWAY OR LEADWALK SEE CONSTRUCTION NOTES	
DEMOLITION AREA	

LABEL LEGEND

EXISTING	PROPOSED
EX SAN STRUC NO. EXISTING SANITARY STRUCTURE NUMBER XXXX	PROP SAN SEW STRUC NO. PROPOSED SANITARY SEWER STRUCTURE NUMBER XXXX
EX STRM SEW STRUC NO. EXISTING STORM SEWER STRUCTUE NUMBER XXXX	PROP STRM SEW STRUC NO. PROPOSED STORM SEWER STRUCTURE NUMBER XXXX

REVISED ON 11/08/2016

ARLINGTON
VIRGINIA

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ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
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SEAL

COMMONWEALTH OF VIRGINIA
PETER S RIGBY JR
Lic. No. 019349
2/11/19
PROFESSIONAL ENGINEER

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/13/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	2/19/19

REVISIONS DATE

FAIRFAX DR. & N. LYNN ST.

LEGEND

FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-4-202-LEGEND.DWG

PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

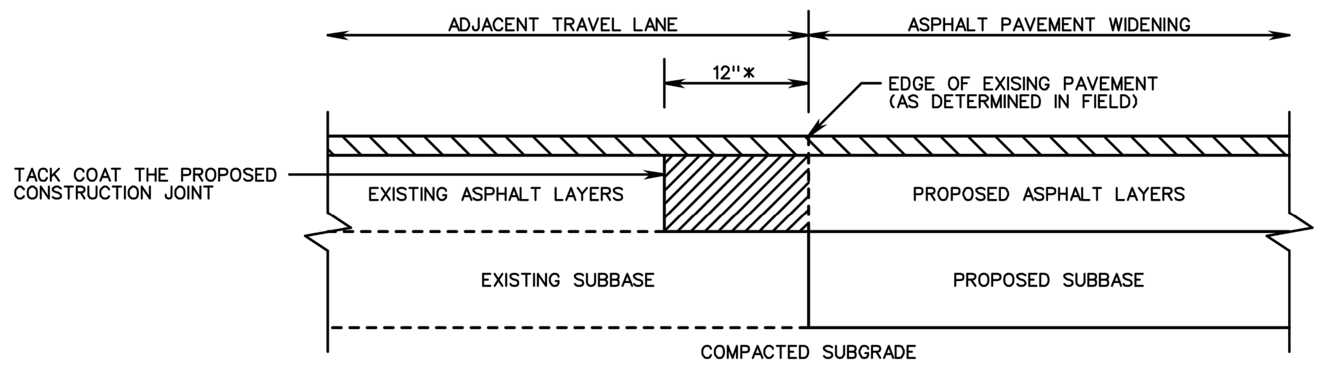
PLOTTED: JANUARY 30 2019

PLOTTED BY: KPATEL

SCALE: AS NOTED

FAIRFAX DR. @ N. LYNN ST.

WP-2



CONSTRUCTION JOINT DETAIL

- REMOVE EXISTING ASPHALT LAYERS TO EXISTING SUBBASE AND REPLACE WITH PROPOSED ASPHALT WIDENING LAYERS
- PROPOSED MINIMUM 1½ INCH THICK ASPHALT SURFACE COURSE (SEE NOTE 5)
- * MINIMUM 12 INCHES, OR GREATER AS NECESSARY TO ABUT THE FULL THICKNESS OF EXISTING ASPHALT LAYERS AS DETERMINED BY CORES (SEE NOTE 3)

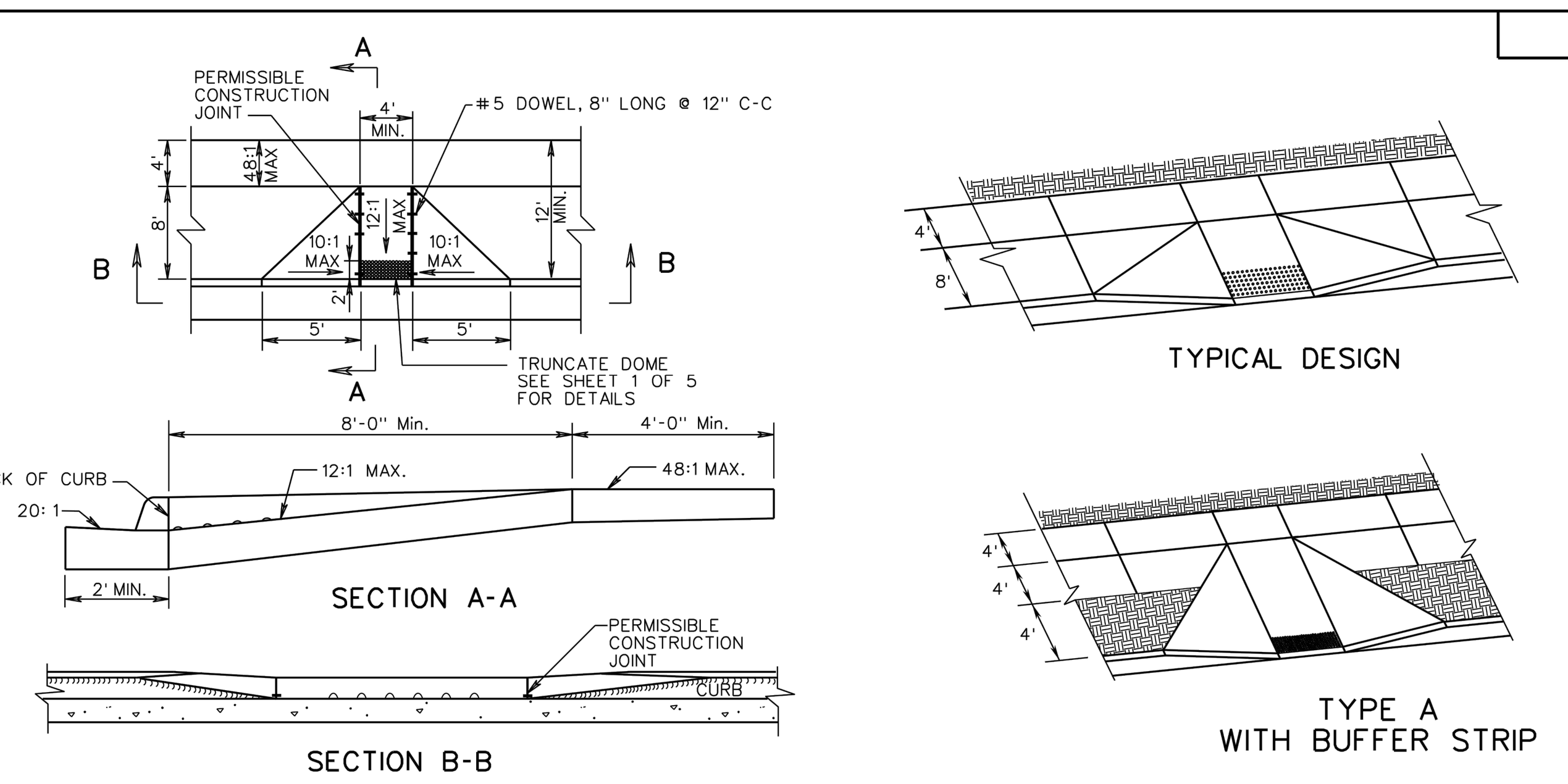
NOTES:

1. ASPHALT PAVEMENT WIDENING SHALL HAVE A PAVEMENT DESIGN IN ACCORDANCE WITH CURRENT VDOT PROCEDURES AND BE APPROVED BY THE ENGINEER.
2. THE PAVEMENT DESIGN FOR ASPHALT PAVEMENT WIDENING SHALL MEET OR EXCEED THE DEPTHS AND TYPES OF THE LAYERS OF EXISTING PAVEMENT. SUBSURFACE DRAINAGE OF THE EXISTING AND PROPOSED PAVEMENT SHALL BE ADDRESSED IN THE PAVEMENT DESIGN.
3. A MINIMUM OF THREE CORES SHALL BE TAKEN ALONG THE CENTER OF THE ADJACENT TRAVEL LANE TO DETERMINE THE TYPE AND THICKNESS OF EXISTING PAVEMENT LAYERS. THESE CORES SHALL BE SPACED NO MORE THAN 500 FEET APART.
4. THE ADJACENT TRAVEL LANE SHALL BE MILLED A MINIMUM DEPTH OF 1½ INCHES AND REPLACED WITH AN ASPHALT SURFACE COURSE TO MATCH THE PROPOSED PAVEMENT WIDENING SURFACE COURSE, UNLESS WAIVED BY THE ENGINEER.
5. THE ENGINEER MAY REQUIRE THE MILLING DEPTH OF THE EXISTING PAVEMENT TO BE ADJUSTED TO ACHIEVE AN ACCEPTABLE PAVEMENT CROSS-SLOPE AND EFFECTIVE SURFACE DRAINAGE.
6. EXISTING PAVEMENT MARKINGS AND MARKERS WITHIN THE PROJECT LIMITS SHALL BE RESTORED SUBJECT TO THE APPROVAL OF THE ENGINEER.
7. FINAL TRANSVERSE PAVEMENT TIE-IN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 315.05(c) OF THE SPECIFICATIONS EXCEPT THAT ALL JOINTS AT TIE-IN LOCATIONS SHALL BE TESTED USING A 10 FOOT STRAIGHTEDGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 315.07(a) OF THE SPECIFICATIONS.

VDOT ROAD AND BRIDGE STANDARDS	ASPHALT PAVEMENT WIDENING	SPECIFICATION REFERENCE
SHEET 1 OF 1 / REVISION DATE / 303.02	FOR WIDENING SUBJECT TO TRAFFIC — VIRGINIA DEPARTMENT OF TRANSPORTATION	315

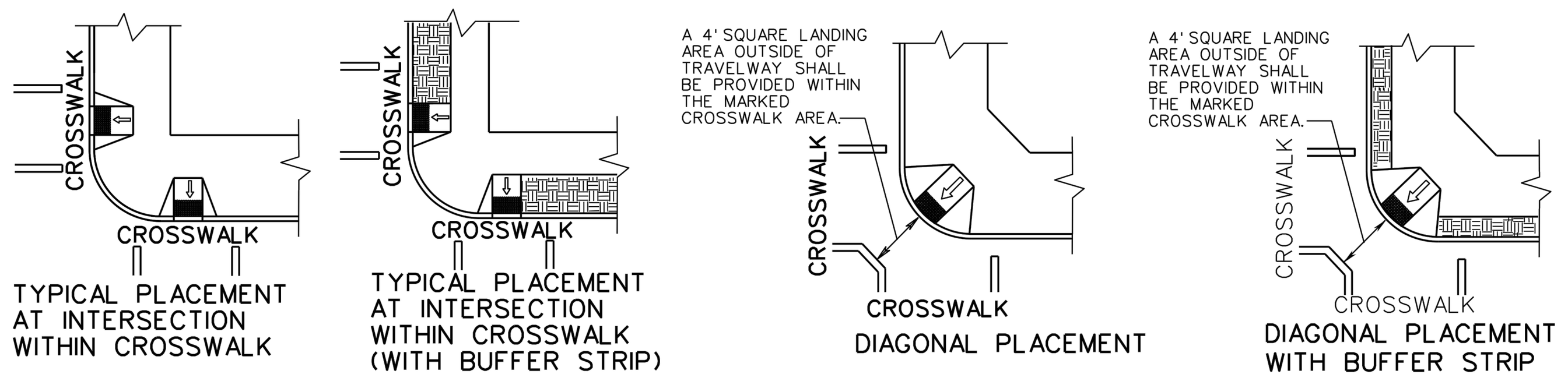
2016 ROAD & BRIDGE STANDARDS

CG-12



NOTES: FOR GENERAL NOTES ON THE DETECTABLE WARNING SURFACE, SEE SHEET 1 OF 5.

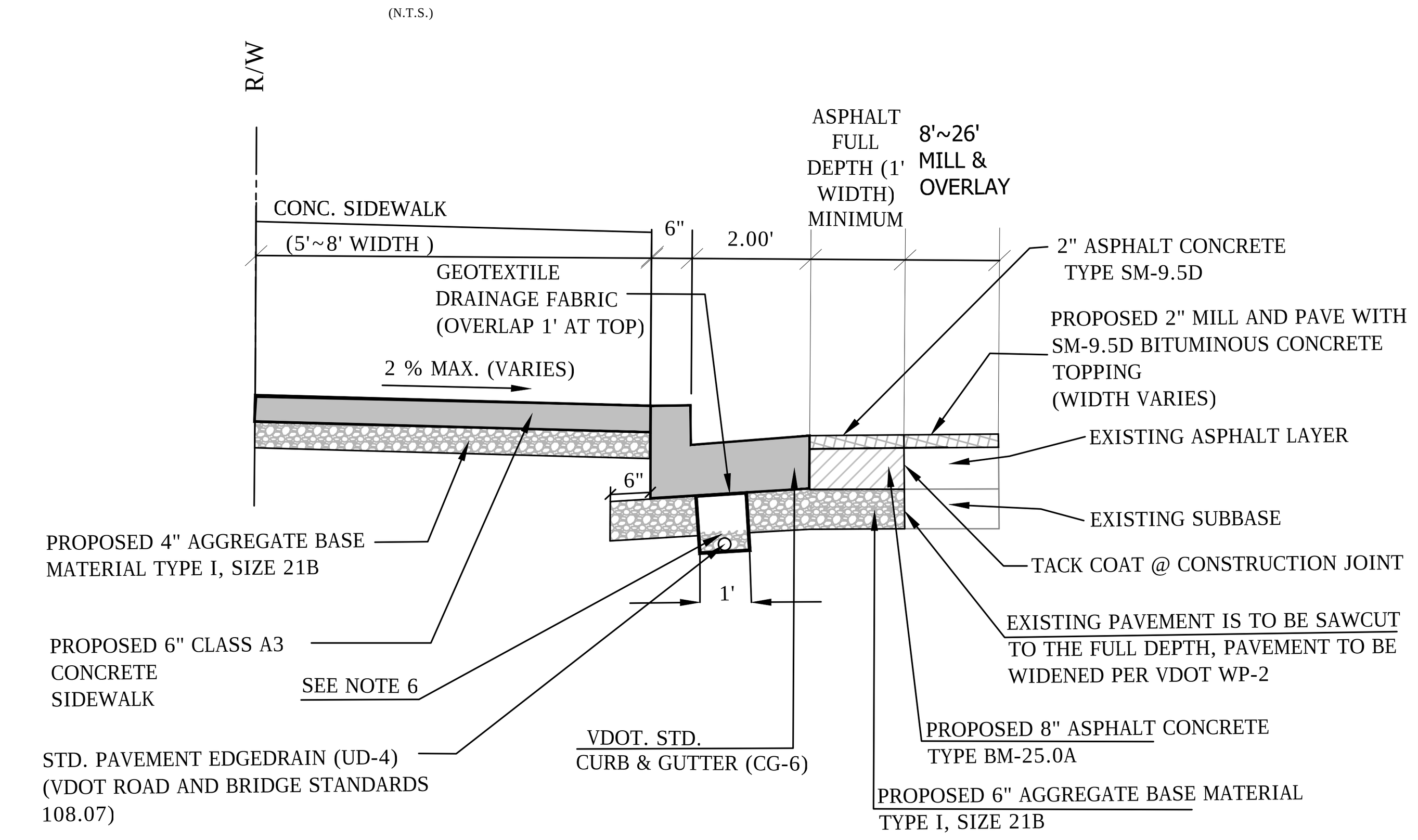
THIS DESIGN TO BE USED FOR CONSTRUCTION THAT INCORPORATES WIDER SIDEWALK. LANDING (4' WIDE) REQUIRED AT TOP OF CURB RAMP. MINIMUM CURB RAMP LENGTH 8 FEET FOR NEW CONSTRUCTION.



SPECIFICATION REFERENCE	CG-12 DETECTABLE WARNING SURFACE	VDOT ROAD AND BRIDGE STANDARDS
105 502	TYPE A (PERPENDICULAR) APPLICATION — VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE 07/15 — SHEET 2 OF 5 — 203.06

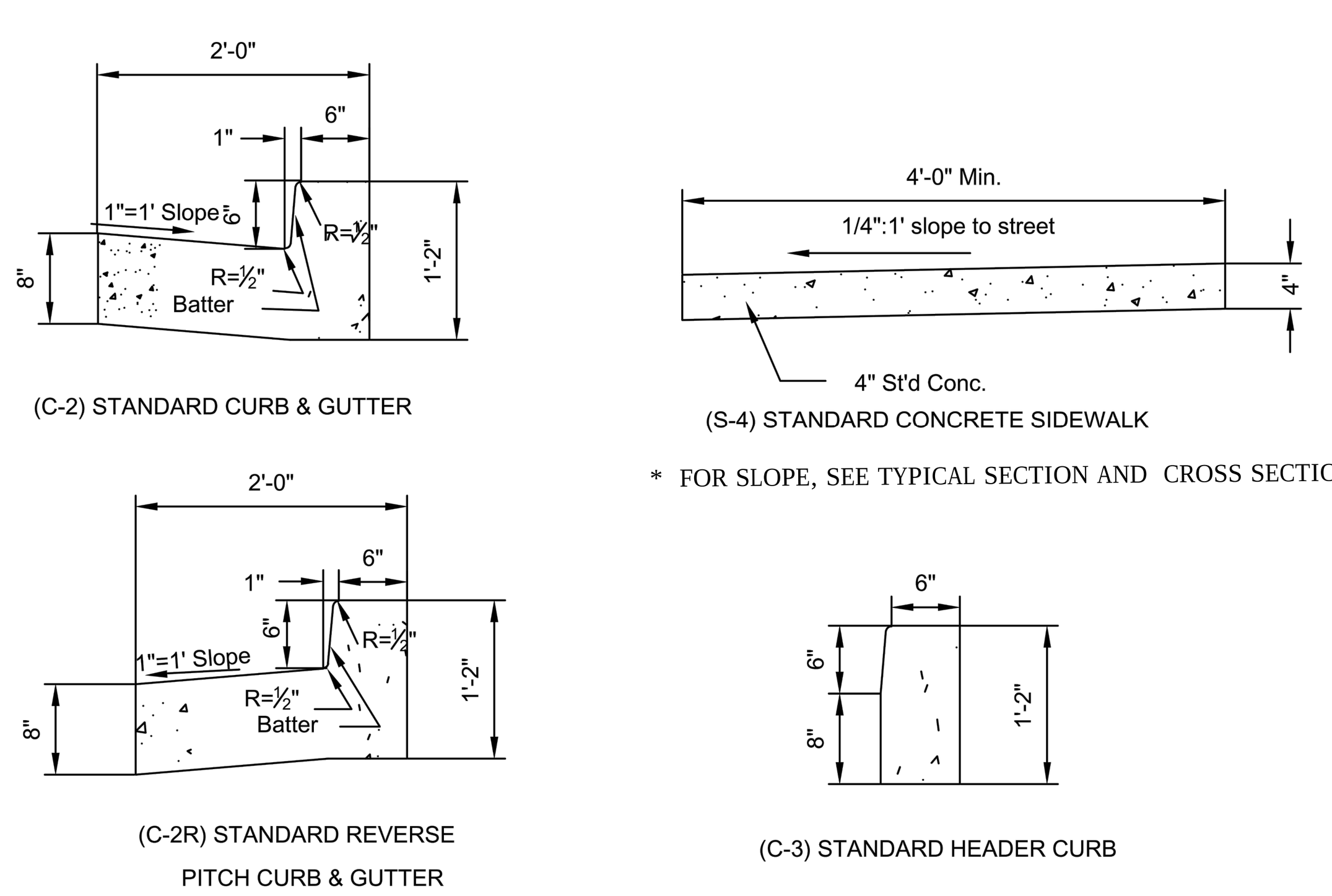
2016 ROAD & BRIDGE STANDARDS

TYPICAL SECTION
FAIRFAX DR. @ N. LYNN ST.
(N.T.S.)



NOTES:

1. ALL PAVEMENTS SHALL BE WIDENED IN ACCORDANCE WITH VDOT STANDARD WP-2. PROPOSED FULL DEPTH PAVEMENT REPLACEMENT SHALL MATCH EXISTING PAVEMENT IN ACCORDANCE WITH VDOT STANDARD WP-2.
2. AGGREGATE SUBBASE THICKNESS BENEATH THE WIDENED PAVEMENT SHALL BE AS INDICATED (6 INCHES) ON THIS SHEET OR MATCH THE EXISTING AGGREGATE BASE MATERIAL, WHICHEVER IS GREATER.
3. PROVIDE 1' WIDE GRADING BENCH BEHIND PROPOSED SIDEWALKS WHEN SPACE ALLOWS.
4. AS INDICATED IN TYPICAL SECTIONS, THE SUBBASE 21-B SHALL BE CONNECTED TO A VDOT STANDARDS UD-4 EDGE DRAIN LOCATED BENEATH THE PROPOSED CURB AND GUTTER, TO BE SECURELY CONNECTED TO OUTFALL AT AN ADJACENT DRAINAGE STRUCTURE.
5. THE ADJACENT TRAVEL LANE SHALL BE MILLED TO A DEPTH OF 2" AND REPLACED WITH 2" ASPHALT CONCRETE TYPE SM-9.5D.
6. 4" MINIMUM, PROVIDED ATTAINING MINIMUM 4" OF AGGREGATE ON TOP OF THE EDGEDRAIN.



* FOR SLOPE, SEE TYPICAL SECTION AND CROSS SECTIONS

NOTES:

1. NUMERICAL DESIGNATIONS IN THE SYMBOL INDICATE WIDTH OF SIDEWALK IN FEET, I.E., S-6 OR S-10.
2. SECTION C-3 IS TO BE USED ONLY WITH RIGID TYPE PAVEMENT UNLESS OTHERWISE DIRECTED IN WRITING OR WHEN SHOWN ON APPROVED PLANS.
3. EXPANSION JOINTS IN HEADER CURB AND STANDARD CURB AND GUTTERSHALL BE 40' APART OR AT EXPANSION JOINTS IN CONCRETE PAVEMENT.
4. EXPANSION JOINTS MAY BE OMITTED IF 1/8" JOINTS ARE PLACED EVERY 10' OF LESS
5. EXPANSION JOINTS IN THE SIDEWALK SHALL BE 40' APART. IF ADJACENT TO CONCRETE CURB, EXPANSION JOINTS SHALL MATCH JOINT OF CURB. AN EXPANSION JOINT SHALL BE PLACED BETWEEN CURB AND SIDEWALK.
6. SEE DRAWING R-2.2 FOR DETAIL OF SIDEWALK STRESS COLUMN TO BE PLACED UNDER SIDEWALK WHEN PLACED ADJACENT TO BACK OF CURB.
7. SEE ARLINGTON COUNTY SPECIFICATION SECTIONS 02611 AND 03100 FOR MATERIAL SPECS.
8. PROVIDE 6" MINIMUN AGGREGATE BASE HAVING CBR-30 UNDER CURB AND GUTTER.
9. PROVIDE 3" MINIMUM AGGREGATE BASE HAVING CBR-30 UNDER SIDEWALK

CONCRETE CURB & GUTTER AND SIDEWALK

REVISION & DATE

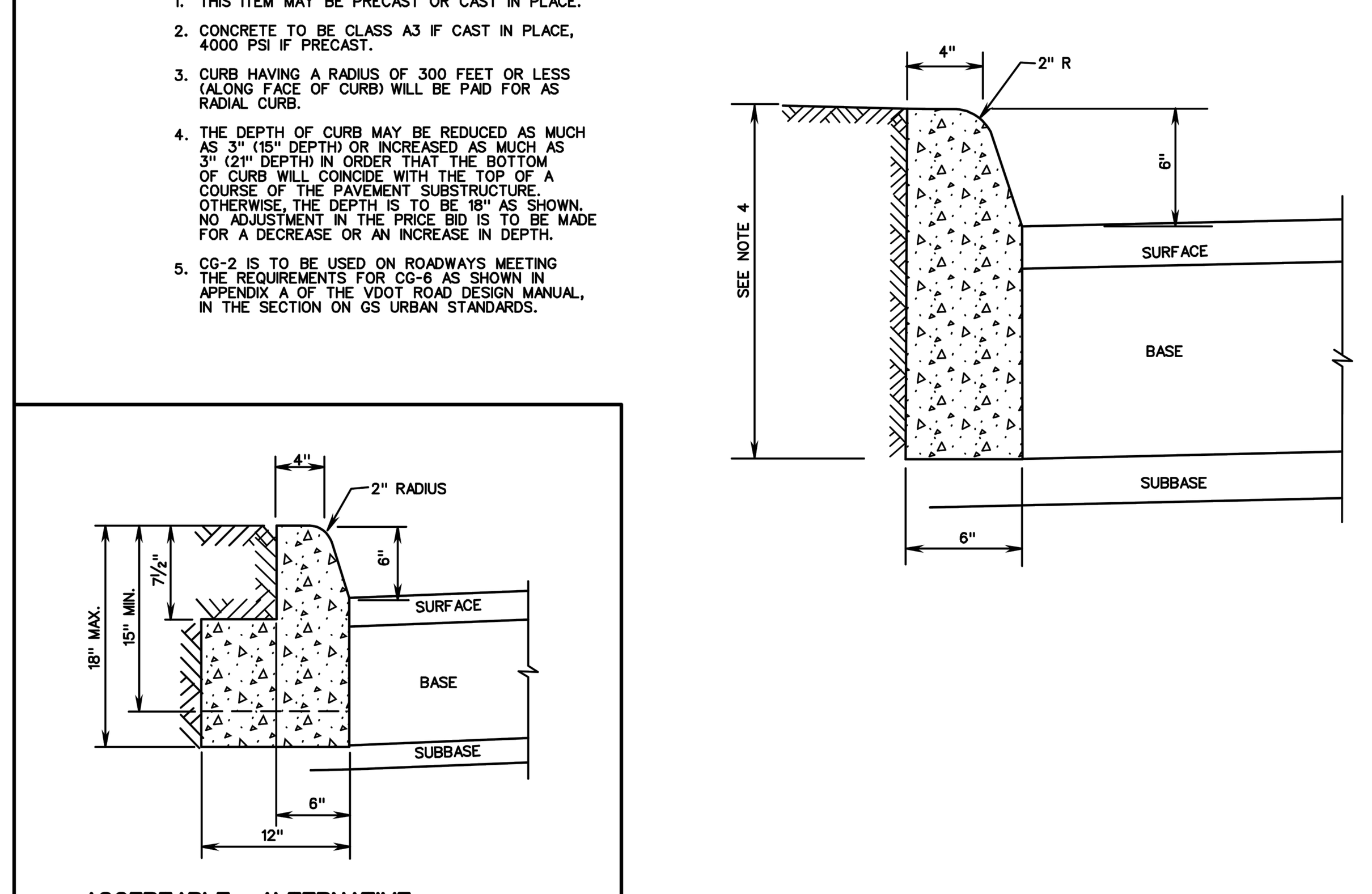
ARLINGTON VIRGINIA — **ARLINGTON COUNTY, VIRGINIA** — **DEPARTMENT OF ENVIRONMENTAL SERVICES** — DRAWING NO. **R-2.0**

2016 ROAD & BRIDGE STANDARDS

CG-2

NOTES:

1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. CURB HAVING A RADIUS OF 300 FEET OR LESS (ALONG FACE OF CURB) WILL BE PAID FOR AS RADIAL CURB.
4. THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (15" DEPTH) OR INCREASED AS MUCH AS 3" (21" DEPTH) IN ORDER THAT THE BOTTOM OF CURB WILL COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENT SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 18" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
5. CG-2 IS TO BE USED ON ROADWAYS MEETING THE REQUIREMENTS FOR CG-6 AS SHOWN IN APPENDIX A OF THE VDOT ROAD DESIGN MANUAL, IN THE SECTION ON GS URBAN STANDARDS.



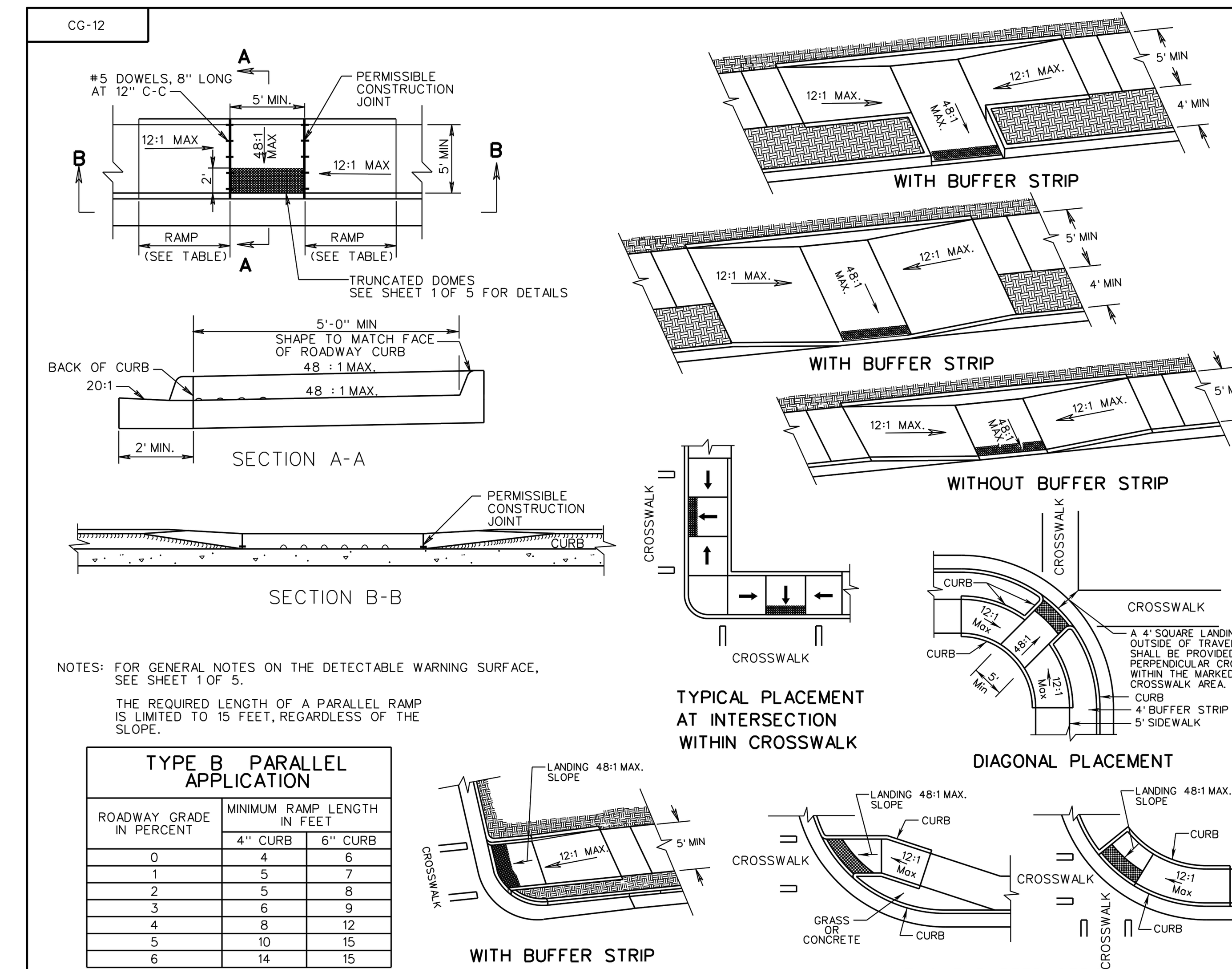
ACCEPTABLE ALTERNATIVE IF CURB IS EXTRUDED

SPECIFICATION REFERENCE	STANDARD 6" CURB	VDOT ROAD AND BRIDGE STANDARDS
105 502	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE — SHEET 1 OF 1 — 201.01

2016 ROAD & BRIDGE STANDARDS

2016 ROAD & BRIDGE STANDARDS

CG-12



NOTES: FOR GENERAL NOTES ON THE DETECTABLE WARNING SURFACE, SEE SHEET 1 OF 5.

THE REQUIRED LENGTH OF A PARALLEL RAMP IS LIMITED TO 15 FEET, REGARDLESS OF THE SLOPE.

TYPE B PARALLEL APPLICATION

ROADWAY GRADE IN PERCENT	MINIMUM RAMP LENGTH IN FEET	
	4" CURB	6" CURB
0	4	6
1	5	7
2	5	8
3	6	9
4	8	12
5	10	15
6	14	15

VDOT ROAD AND BRIDGE STANDARDS	CG-12 DETECTABLE WARNING SURFACE	SPECIFICATION REFERENCE
SHEET 3 OF 5 — REVISION DATE 07/16 — 203.07	TYPE B (PARALLEL) APPLICATION — VIRGINIA DEPARTMENT OF TRANSPORTATION	105 502

2016 ROAD & BRIDGE STANDARDS

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA — PETER J. RIGBY JR. Lic. No. 019746 2/11/19 — PROFESSIONAL ENGINEER

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/19/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	2/14/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

DETAILS SHEET
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

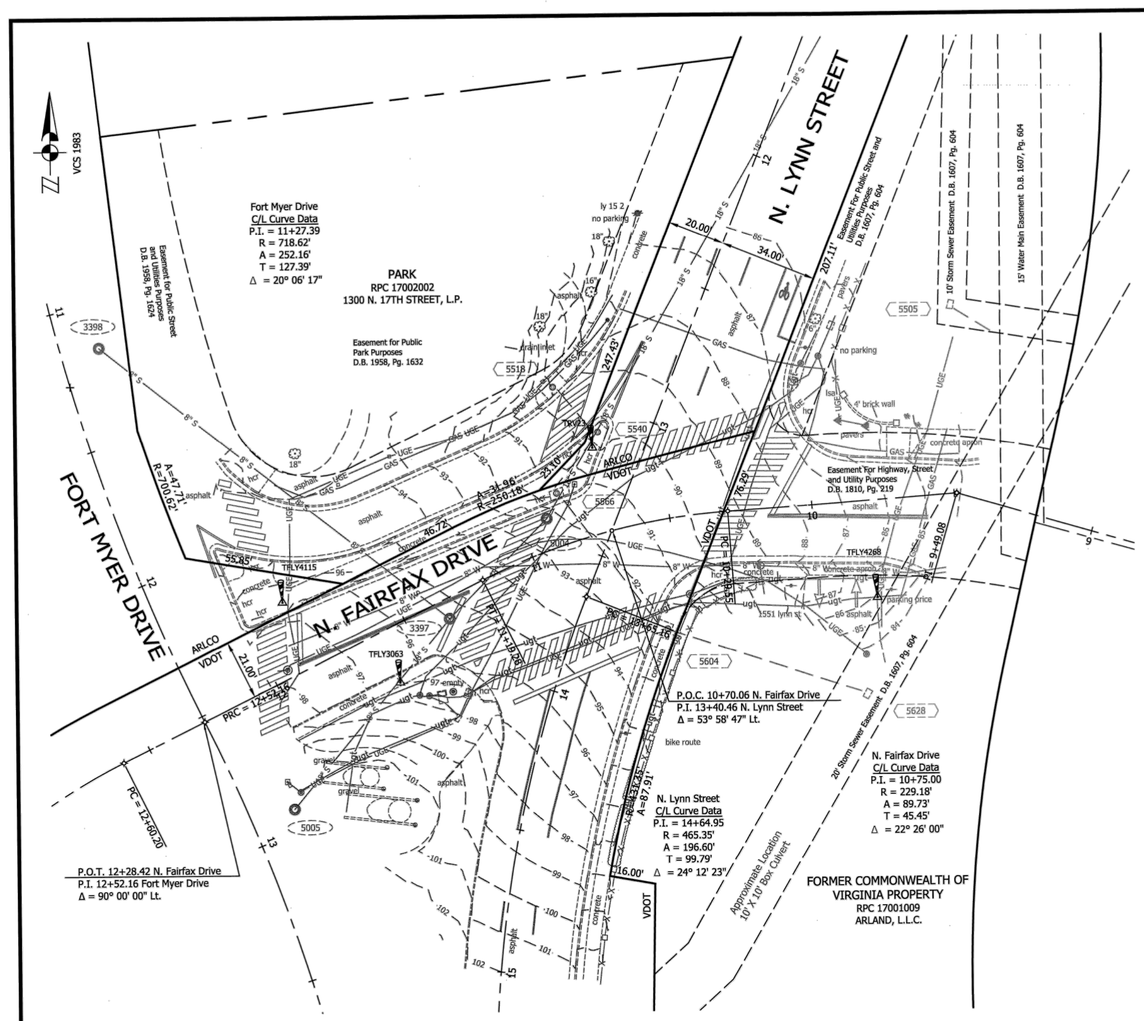
FILENAME: P14D-B-4-202-LEGEND.DWG

PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

PLOTTED: FEBRUARY 4 2019
PLOTTED BY:KPATEL

SCALE:

REVISED ON 11/08/2016



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23	7011569.8579	11889539.4905	90.54	TRV23
24	7011881.5596	11889721.4510	84.89	TRV24
3063	7011488.3940	11889471.4974	97.05	TFLY3063
4115	7011516.6463	11889430.5392	96.73	TFLY4115
4268	7011516.8642	11889638.8791	86.35	TFLY4268

CONTROL DATA:

GPS SATELLITE DATA WAS COLLECTED FOR POINTS 22, 23 AND 24 ON APRIL 14, 2010 FOR PROJECT SA20.

SCALE FACTOR OF 1.00006 WAS APPLIED TO POINTS 22, 23 AND 24 TO ACHIEVE PROJECT COORDINATE VALUES. THE SCALE POINT @ N7009718, E11878491 WAS USED AS THE SCALE BASE POINT.

THE RTK GPS ELEVATION FOR TRAVERSE 22 (111.60) WAS HELD FOR THE VERTICAL DATUM.

GRAPHIC SCALE

25 0 25 50

SCALE: 1" = 25'

Q:\Data\P14D_RB Corridor Improvements\Site B-4 Fairfax Dr & N Lynn Street\CAD Files\Survey_Data\6543 B-4 Survey Base.dwg, 02/29/2016 9:15:43 AM, Rfranca

STORM TABULATION

#5505
TOP = 81.98
24" RCP INV. OUT = 64.38 (5509)

#5518
TOP = 89.96
15" RCP INV. OUT = 86.17 (5540)

#5540
TOP = 90.31
15" RCP INV. IN = 85.91 (5540)
15" RCP INV. OUT = 85.59 (5566)

#5566
TOP = 91.82
15" RCP INV. IN = 85.53 (5540)
36" RCP INV. IN = 83.71 (5620)
36" RCP INV. OUT = 83.51 (5604)

#5604
TOP = 92.83
36" RCP INV. IN = 82.13 (5540)
15" RCP INV. OUT = 81.60 (5628)

#5628 GRATE
TOP = 82.92
36" RCP INV. IN = NOT ACCESSIBLE

SANITARY TABULATION

#5003
TOP = 83.70
INV. IN = 71.86 (5004)
INV. OUT = 71.37 (14682)

#5004
TOP = 92.28
C/L INV. = 73.22

#5005
TOP = 101.28
C/L INV. = 73.92

#3397
TOP = 95.36
INV. IN = 75.15 (3398)
C/L INV. = 73.48

#3398
TOP = 94.27
C/L INV. = 80.15

#14682
TOP = 83.76
C/L INV. = 71.22

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
Engineering Bureau - Survey Section
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF ROBERT L. FRANCA, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED FROM 1/7/2016 TO 1/15/2016; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

COMMONWEALTH OF VIRGINIA
ROBERT L. FRANCA
Lic. No. 1726
2.29.16
LAND SURVEYOR

HORIZONTAL DATUM: VIRGINIA COORDINATE SYSTEM 1983.

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988.

CONTOUR INTERVAL: 1'

BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A FIELD RUN BOUNDARY SURVEY.

PARTY CHIEF: LEMENI
SURVEY PM: FRANCA

PROJECT:
6543/P14D (SITE B-4)

TOPOGRAPHIC SURVEY
INTERSECTION OF
N. FAIRFAX DRIVE AND N. LYNN STREET
ARLINGTON COUNTY, VIRGINIA

REVISED ON 11/08/2016

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER J. RIGBY JR.
Lic. No. 019469
PROFESSIONAL ENGINEER
2/4/19

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/4/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/5/19
WATER, SEWER, STREETS BUREAU CHIEF	2/19/19
TRANSPORTATION DIRECTOR	2/4/19
PROJECT MANAGER	2/4/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

EXISTING CONDITION
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

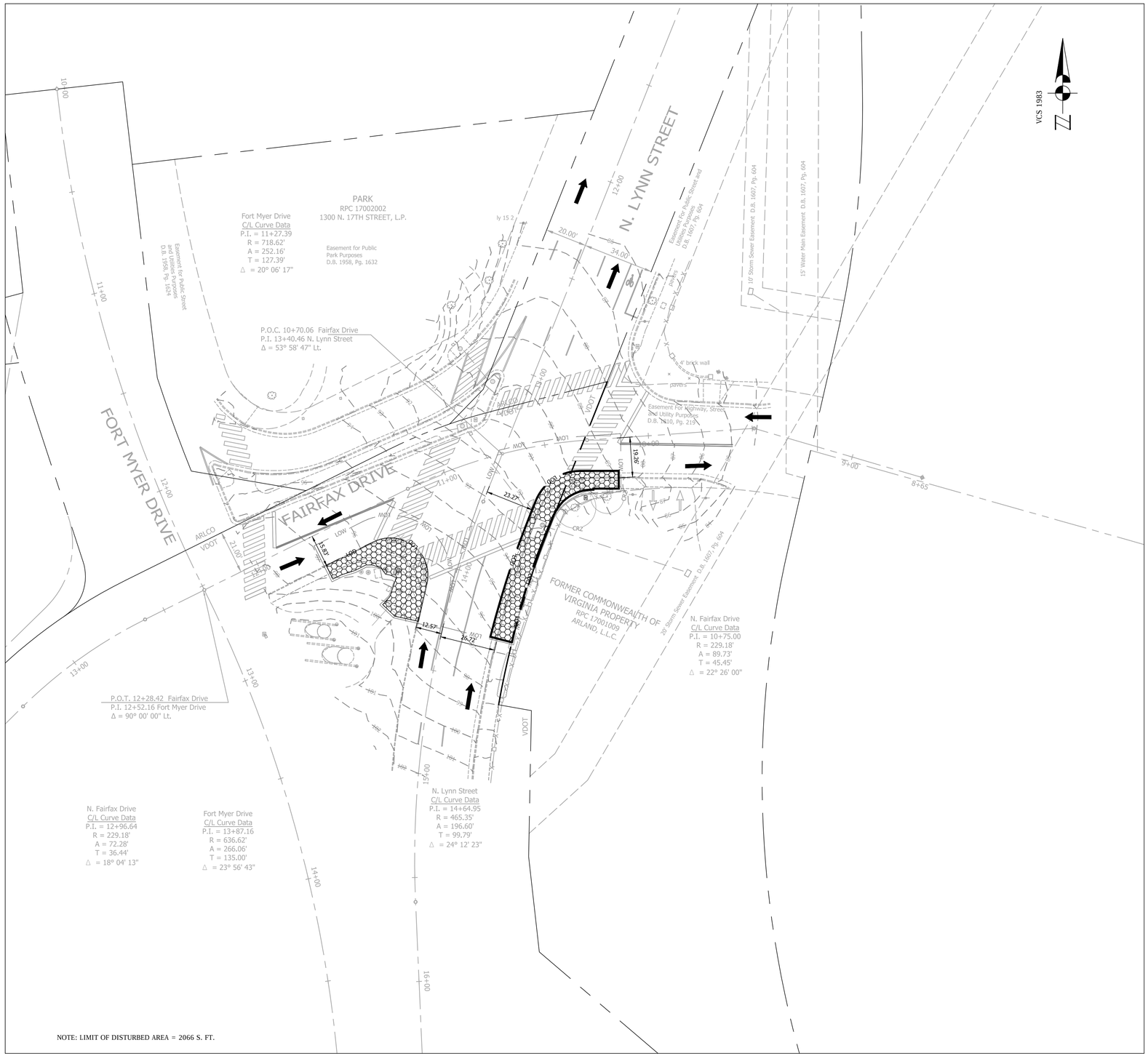
DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D_B-4-214-EXISTING CONDITIONS.DWG
PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE
PLOTTED: JANUARY 31 2019
PLOTTED BY: KPATEL

SCALE:

SHEET 4 OF 13

FAIRFAX DR. @ N. LYNN ST.



NOTE: LIMIT OF DISTURBED AREA = 2066 S. FT.

REVISED ON 11/08/2016

ARLINGTON
VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER J RIGBY JR.
Lic. No. 018749
2/11/19
PROFESSIONAL ENGINEER

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/11/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/17/19
TRANSPORTATION DIRECTOR	2/12/19
PROJECT MANAGER	2/8/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

DEMOLITION PLAN

FAIRFAX DR. & N. LYNN ST. SE CORNER AT INTERSECTION

P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

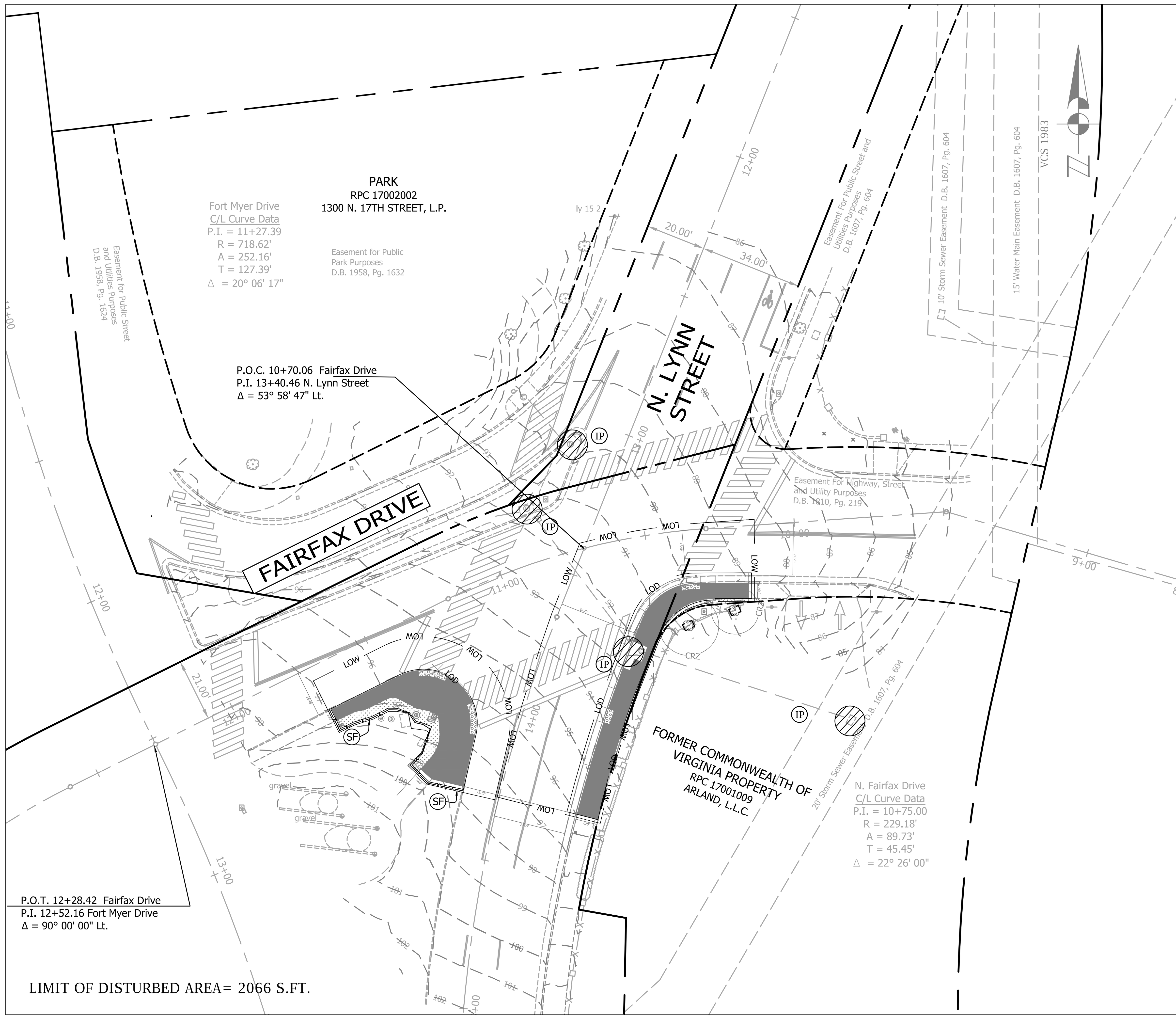
FILENAME: P14D-B-4 228- DEMOLITION_PLAN.DWG
PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

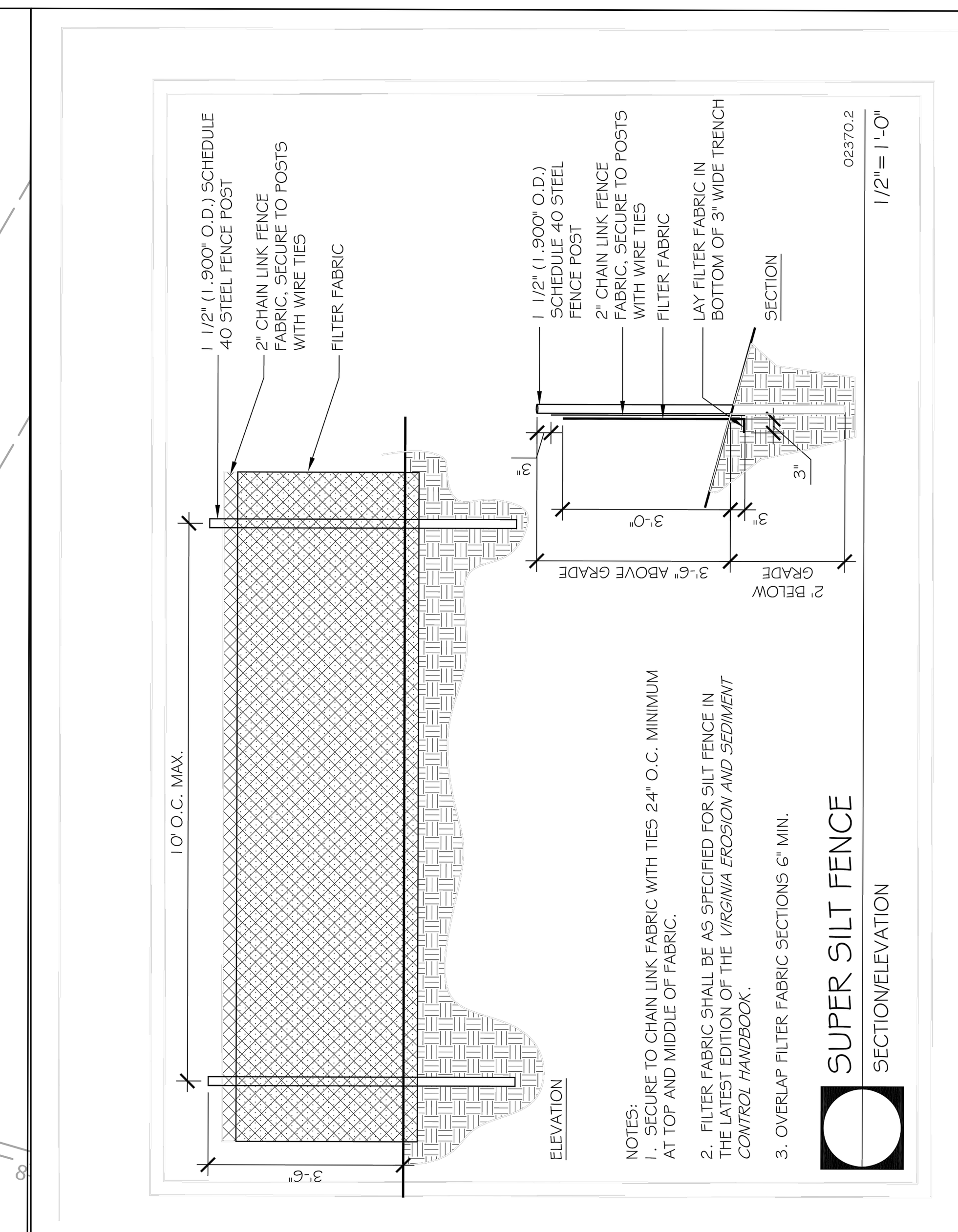
PLOTTED: FEBRUARY 5 2019
PLOTTED BY:KPATEL

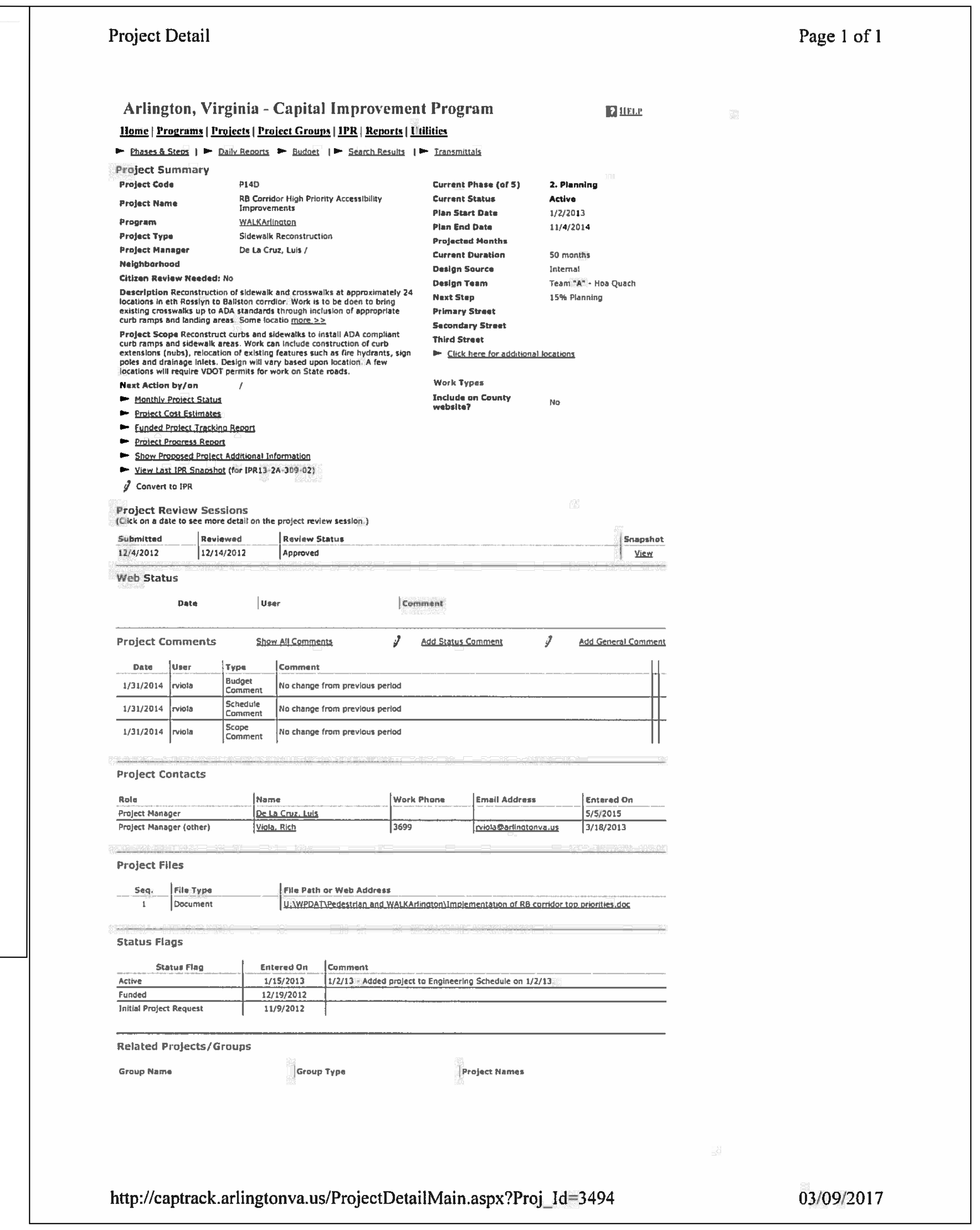
SCALE: AS NOTED

25 0 25
HORIZ. SCALE: 1" = 25'

SHEET 5 OF 13

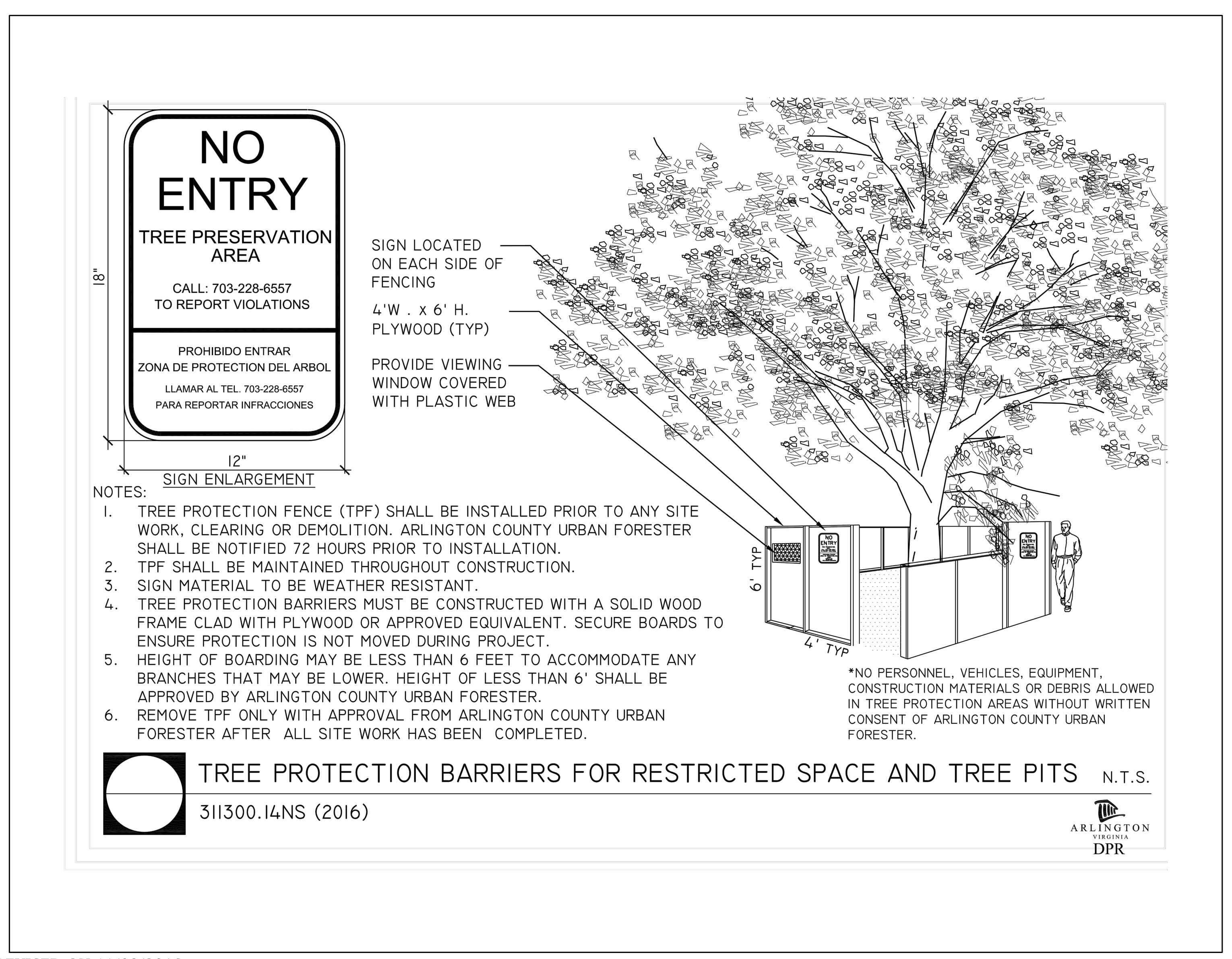

PARK
RPC 17002002
1300 N. 17TH STREET, L.P.
Fort Myer Drive
C/L Curve Data
P.I. = 11+27.39
R = 718.62'
A = 252.16'
T = 127.39'
Δ = 20° 06' 17"
Easement for Public
Park Purposes
D.B. 1958, Pg. 1632
P.O.C. 10+70.06 Fairfax Drive
P.I. 13+40.46 N. Lynn Street
Δ = 53° 58' 47" Lt.
N. LYNN STREET
FAIRFAX DRIVE
FORMER COMMONWEALTH OF VIRGINIA PROPERTY
RPC 17001009
ARLAND, L.L.C.
N. Fairfax Drive
C/L Curve Data
P.I. = 10+75.00
R = 229.18'
A = 89.73'
T = 45.45'
Δ = 22° 26' 00"
P.O.T. 12+28.42 Fairfax Drive
P.I. 12+52.16 Fort Myer Drive
Δ = 90° 00' 00" Lt.
VCS 1983
LIMIT OF DISTURBED AREA= 2066 S.FT.


SUPER SILT FENCE
SECTION/ELEVATION
ELEVATION
SECTION
1/2" = 1'-0"
10' O.C. MAX.
NOTES:
1. SECURE TO CHAIN LINK FABRIC WITH TIES 24" O.C. MINIMUM AT TOP AND MIDDLE OF FABRIC.
2. FILTER FABRIC SHALL BE AS SPECIFIED FOR SILT FENCE IN THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
3. OVERLAP FILTER FABRIC SECTIONS 6" MIN.


Project Detail
Page 1 of 1
Arlington, Virginia - Capital Improvement Program
Project Summary
Project Review Sessions
Web Status
Project Comments
Project Contacts
Project Files
Status Flags
Related Projects/Groups
http://captrack.arlingtonva.us/ProjectDetailMain.aspx?Proj_Id=3494
03/09/2017

LEGEND:

	CRZ	CRITICAL ROOT ZONE
SPEC 3.07	IP	INLET PROTECTION
SPEC 3.05	SF	SILT FENCE
SPEC 3.38	TP	TREE PRESERVATION AND PROTECTION


NO ENTRY
TREE PRESERVATION AREA
CALL: 703-228-6557 TO REPORT VIOLATIONS
PROHIBIDO ENTRAR ZONA DE PROTECCION DEL ARBOL
LLAMAR AL TEL. 703-228-6557 PARA REPORTAR INFRACCIONES
SIGN ENLARGEMENT
SIGN LOCATED ON EACH SIDE OF FENCING
4'W. x 6' H. PLYWOOD (TYP)
PROVIDE VIEWING WINDOW COVERED WITH PLASTIC WEB
NOTES:
1. TREE PROTECTION FENCE (TPF) SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION. ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO INSTALLATION.
2. TPF SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
3. SIGN MATERIAL TO BE WEATHER RESISTANT.
4. TREE PROTECTION BARRIERS MUST BE CONSTRUCTED WITH A SOLID WOOD FRAME CLAD WITH PLYWOOD OR APPROVED EQUIVALENT. SECURE BOARDS TO ENSURE PROTECTION IS NOT MOVED DURING PROJECT.
5. HEIGHT OF BOARDING MAY BE LESS THAN 6 FEET TO ACCOMMODATE ANY BRANCHES THAT MAY BE LOWER. HEIGHT OF LESS THAN 6' SHALL BE APPROVED BY ARLINGTON COUNTY URBAN FORESTER.
6. REMOVE TPF ONLY WITH APPROVAL FROM ARLINGTON COUNTY URBAN FORESTER AFTER ALL SITE WORK HAS BEEN COMPLETED.
*NO PERSONNEL, VEHICLES, EQUIPMENT, CONSTRUCTION MATERIALS OR DEBRIS ALLOWED IN TREE PROTECTION AREAS WITHOUT WRITTEN CONSENT OF ARLINGTON COUNTY URBAN FORESTER.
TREE PROTECTION BARRIERS FOR RESTRICTED SPACE AND TREE PITS
N.T.S.
311300.14NS (2016)
ARLINGTON DPR

REVISED ON 11/08/2016

NOTES:

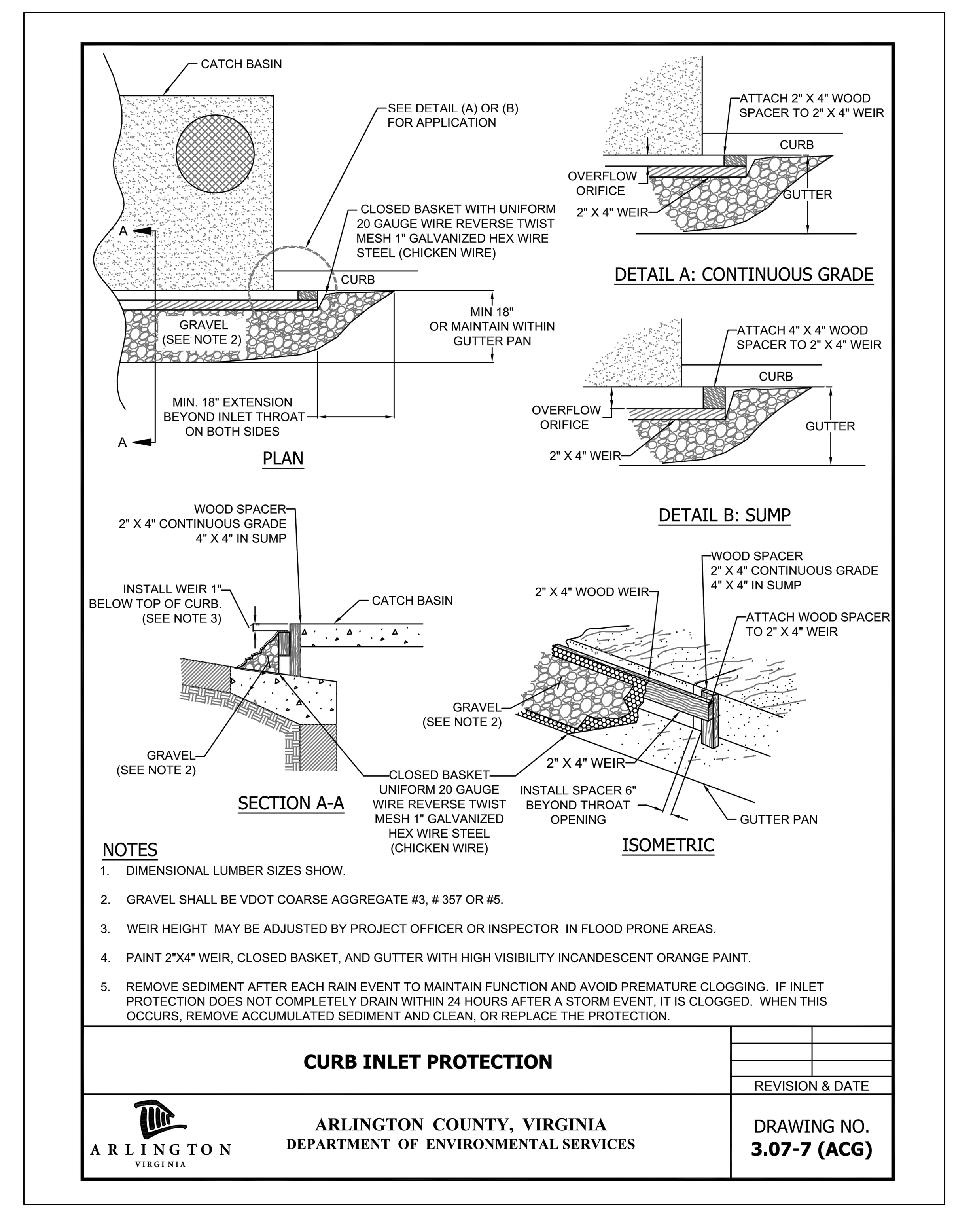
1 CONTRACTOR TO CONTACT THE ARLINGTON URBAN FORESTER TO SCHEDULE A PRE-CONSTRUCTION INSPECTION OF THE TREE PROTECTION MEASURES BEFORE ANY WORK NEAR THE CRITICAL ROOT ZONES OF THE TREE. TO SCHEDULE THE PRE-CONSTRUCTION MEETING CALL 703-228-1863

2 CONTRACTOR TO PROTECT TREES PER THE PLAN ACCORDING TO THE ARLINGTON COUNTY DPR DESIGN STANDARD DETAIL 02231.1

3 CONTRACTOR TO ROOT PRUNE TREE PER THE PLAN ACCORDING TO THE ARLINGTON COUNTY DPR DESIGN STANDARD DETAIL 02231.5, WHERE CALLED OUT ON THE PLAN

4 CONTRACTOR TO CALL THE URBAN FORESTER AT 703-228-1863, 72 HOURS BEFORE PLANTING , TO SCHEDULE INSPECTION OF THE TREES TO BE PLANTED.WARRANTY FOR 1 YEAR AFTER PLANTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE URBAN FORESTER AND DPR IS RESPONSIBLE FOR INSPECTION.

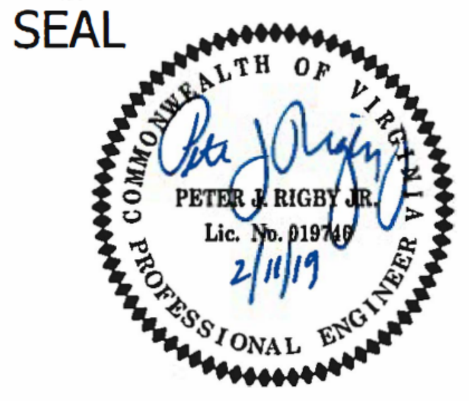
5 CONTRACTOR TO CONTACT THE ASSIGNED CONSTRUCTION MANAGEMENT SPECIALIST ON THE LDA PERMITS FROM THE DEVELOPMENT SERVICE BUREAU BEFORE START OF CONSTRUCTION


CATCH BASIN
SEE DETAIL (A) OR (B) FOR APPLICATION
CLOSED BASKET WITH UNIFORM 20 GAUGE WIRE REVERSE TWIST MESH 1" GALVANIZED HEX WIRE STEEL (CHICKEN WIRE)
CURB
GRAVEL (SEE NOTE 2)
MIN 18" OR MAINTAIN WITHIN GUTTER PAN
MIN. 18" EXTENSION BEYOND INLET THROAT ON BOTH SIDES
PLAN
DETAIL A: CONTINUOUS GRADE
DETAIL B: SUMP
SECTION A-A
ISOMETRIC
NOTES
1. DIMENSIONAL LUMBER SIZES SHOW.
2. GRAVEL SHALL BE VDOT COARSE AGGREGATE #3, # 357 OR #5.
3. WEIR HEIGHT MAY BE ADJUSTED BY PROJECT OFFICER OR INSPECTOR IN FLOOD PRONE AREAS.
4. PAINT 2"X4" WEIR, CLOSED BASKET, AND GUTTER WITH HIGH VISIBILITY INCANDESCENT ORANGE PAINT.
5. REMOVE SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE THE PROTECTION.
CURB INLET PROTECTION
ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
DRAWING NO. 3.07-7 (ACG)

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL



APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/13/19
WATER, SEWER, STREETS BUREAU CHIEF	2/13/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	2/14/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

EROSION AND SEDIMENT CONTROL PLAN
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

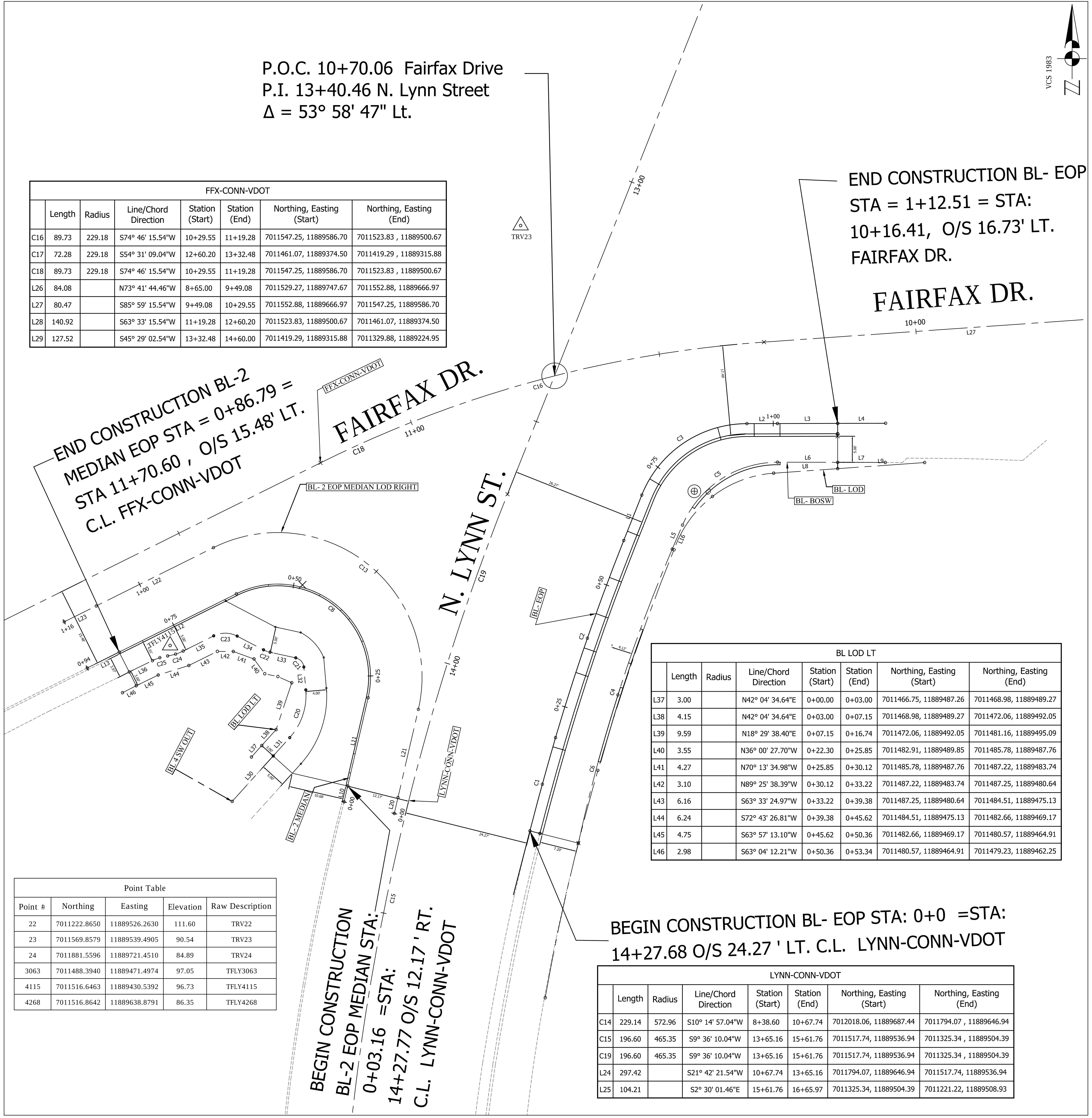
FILENAME: P14D-B-4 - 224-E_AND _S_PLAN.DWG

PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

PLOTTED: FEBRUARY 5 2019
PLOTTED BY: KPATEL

SCALE: AS NOTED

GRAPHIC SCALE
25 0 25
SCALE: 1" = 25'



FFX-CONN-VDOT							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C16	89.73	229.18	S74° 46' 15.54"W	10+29.55	11+19.28	7011547.25, 11889586.70	7011523.83 , 11889500.67
C17	72.28	229.18	S54° 31' 09.04"W	12+60.20	13+32.48	7011461.07, 11889374.50	7011419.29 , 11889315.88
C18	89.73	229.18	S74° 46' 15.54"W	10+29.55	11+19.28	7011547.25, 11889586.70	7011523.83 , 11889500.67
L26	84.08		N73° 41' 44.46"W	8+65.00	9+49.08	7011529.27, 11889747.67	7011552.88, 11889666.97
L27	80.47		S85° 59' 15.54"W	9+49.08	10+29.55	7011552.88, 11889666.97	7011547.25, 11889586.70
L28	140.92		S63° 33' 15.54"W	11+19.28	12+60.20	7011523.83, 11889500.67	7011461.07, 11889374.50
L29	127.52		S45° 29' 02.54"W	13+32.48	14+60.00	7011419.29, 11889315.88	7011329.88, 11889224.95

BL LOD LT							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
L37	3.00		N42° 04' 34.64"E	0+00.00	0+03.00	7011466.75, 11889487.26	7011468.98, 11889489.27
L38	4.15		N42° 04' 34.64"E	0+03.00	0+07.15	7011468.98, 11889489.27	7011472.06, 11889492.05
L39	9.59		N18° 29' 38.40"E	0+07.15	0+16.74	7011472.06, 11889492.05	7011481.16, 11889495.09
L40	3.55		N36° 00' 27.70"W	0+22.30	0+25.85	7011482.91, 11889489.85	7011485.78, 11889487.76
L41	4.27		N70° 13' 34.98"W	0+25.85	0+30.12	7011485.78, 11889487.76	7011487.22, 11889483.74
L42	3.10		N89° 25' 38.39"W	0+30.12	0+33.22	7011487.22, 11889483.74	7011487.25, 11889480.64
L43	6.16		S63° 33' 24.97"W	0+33.22	0+39.38	7011487.25, 11889480.64	7011484.51, 11889475.13
L44	6.24		S72° 43' 26.81"W	0+39.38	0+45.62	7011484.51, 11889475.13	7011482.66, 11889469.17
L45	4.75		S63° 57' 13.10"W	0+45.62	0+50.36	7011482.66, 11889469.17	7011480.57, 11889464.91
L46	2.98		S63° 04' 12.21"W	0+50.36	0+53.34	7011480.57, 11889464.91	7011479.23, 11889462.25

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
22	7011222.8650	11889526.2630	111.60	TRV22
23	7011569.8579	11889539.4905	90.54	TRV23
24	7011881.5596	11889721.4510	84.89	TRV24
3063	7011488.3940	11889471.4974	97.05	TFLY3063
4115	7011516.6463	11889430.5392	96.73	TFLY4115
4268	7011516.8642	11889638.8791	86.35	TFLY4268

LYNN-CONN-VDOT							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C14	229.14	572.96	S10° 14' 57.04"W	8+38.60	10+67.74	7012018.06, 11889687.44	7011794.07 , 11889646.94
C15	196.60	465.35	S9° 36' 10.04"W	13+65.16	15+61.76	7011517.74, 11889536.94	7011325.34 , 11889504.39
C19	196.60	465.35	S9° 36' 10.04"W	13+65.16	15+61.76	7011517.74, 11889536.94	7011325.34 , 11889504.39
L24	297.42		S21° 42' 21.54"W	10+67.74	13+65.16	7011794.07, 11889646.94	7011517.74, 11889536.94
L25	104.21		S2° 30' 01.46"E	15+61.76	16+65.97	7011325.34, 11889504.39	7011221.22, 11889508.93

BL- EOP							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C1	18.75	593.23	N15° 23' 02.23"E	0+00.00	0+18.75	7011452.43, 11889541.28	7011470.51 , 11889546.26
C2	40.49	441.08	N19° 04' 33.35"E	0+18.75	0+59.25	7011470.51, 11889546.26	7011508.77 , 11889559.49
C3	26.17	22.00	N55° 46' 42.22"E	0+68.72	0+94.88	7011517.57, 11889562.99	7011531.43 , 11889583.37
L1	9.47		N21° 42' 21.54"E	0+59.25	0+68.72	7011508.77, 11889559.49	7011517.57, 11889562.99
L2	5.93		N89° 51' 02.90"E	0+94.88	1+00.81	7011531.43, 11889583.37	7011531.45, 11889589.30
L3	11.68		N89° 51' 02.90"E	1+00.81	1+12.49	7011531.45, 11889589.30	7011531.48, 11889600.98
L4	9.30		N89° 51' 02.90"E	1+12.49	1+21.80	7011531.48, 11889600.98	7011531.50, 11889610.29

BL- BOSW							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C4	59.93	311.98	N17° 42' 14.58"E	0+00.00	0+59.93	7011450.06, 11889550.69	7011507.07 , 11889568.89
C5	23.49	20.10	N56° 39' 02.23"E	0+65.03	0+88.52	7011511.75, 11889570.90	7011523.95 , 11889589.42
L5	5.09		N23° 10' 33.10"E	0+59.93	0+65.03	7011507.07, 11889568.89	7011511.75, 11889570.90
L6	11.56		S89° 52' 28.64"E	0+88.52	1+00.08	7011523.95, 11889589.42	7011523.92, 11889600.98
L7	9.23		S89° 52' 28.64"E	1+00.08	1+09.32	7011523.92, 11889600.98	7011523.90, 11889610.22
L16	5.09		N23° 10' 33.10"E	0+59.93	0+65.03	7011507.07, 11889568.89	7011511.75, 11889570.90

BL- LOD							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C6	90.59	432.08	N16° 02' 23.78"E	0+00.00	0+90.59	7011420.06, 11889544.26	7011506.97 , 11889569.24
C7	25.82	22.14	N52° 28' 01.23"E	0+90.59	1+16.41	7011506.97, 11889569.24	7011521.82 , 11889588.58
L8	12.44		N85° 59' 15.54"E	1+16.41	1+28.85	7011521.82, 11889588.58	7011522.69, 11889600.98
L9	16.90		N85° 59' 15.54"E	1+28.85	1+45.75	7011522.69, 11889600.98	7011523.87, 11889617.85

BL- 2 MEDIAN							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C8	40.67	18.00	N51° 42' 54.60"W	0+20.73	0+61.40	7011478.25, 11889509.91	7011498.42 , 11889484.35
L10	3.16		N13° 00' 45.83"E	0+00.00	0+03.16	7011458.06, 11889505.24	7011461.13, 11889505.95
L11	17.57		N13° 00' 45.83"E	0+03.16	0+20.73	7011461.13, 11889505.95	7011478.25, 11889509.91
L12	25.40		S63° 33' 24.97"W	0+61.40	0+86.79	7011498.42, 11889484.35	7011487.11, 11889461.61
L13	6.93		S63° 33' 24.97"W	0+86.79	0+93.73	7011487.11, 11889461.61	7011484.03, 11889455.41

BL 4 SW OUT							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C20	10.07	12.28	N18° 35' 39.11"E	0+16.66	0+26.72	7011470.51, 11889494.69	7011479.79 , 11889497.81
C21	2.54	2.00	N41° 17' 20.54"W	0+31.17	0+33.71	7011484.21, 11889497.44	7011486.00 , 11889495.87
C22	1.33	5.00	N70° 03' 03.20"W	0+38.84	0+40.18	7011487.09, 11889490.85	7011487.54 , 11889489.60
C23	4.72	5.00	N89° 25' 38.39"W	0+45.94	0+50.66	7011490.21, 11889484.49	7011490.26 , 11889479.95
C24	3.16	10.00	S72° 37' 08.26"W	0+57.29	0+60.45	7011487.30, 11889474.01	7011486.36 , 11889471.01
C25	3.09	10.00	S72° 49' 53.88"W	0+60.45	0+63.55	7011486.36, 11889471.01	7011485.45 , 11889468.06
L30	11.88		N42° 04' 34.64"E	0+00.00	0+11.88	7011458.15, 11889483.53	7011466.97, 11889491.50
L31	4.77		N42° 04' 34.64"E	0+11.88	0+16.66	7011466.97, 11889491.50	7011470.51, 11889494.69
L32	4.44		N4° 53' 16.42"W	0+26.72	0+31.17	7011479.79, 11889497.81	7011484.21, 11889497.44
L33	5.13		N77° 41' 24.66"W	0+33.71	0+38.84	7011486.00, 11889495.87	7011487.09, 11889490.85
L34	5.76		N62° 24' 41.74"W	0+40.18	0+45.94	7011487.54, 11889489.60	7011490.21, 11889484.49
L35	6.64		S63° 33' 24.97"W	0+50.66	0+57.29	7011490.26, 11889479.95	7011487.30, 11889474.01
L36	5.00		S63° 57' 13.10"W	0+63.55	0+68.55	7011485.45, 11889468.06	7011483.26, 11889463.57

BL- 2 EOP MEDIAN LOD RIGHT							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C13	63.26	28.00	N51° 42' 54.60"W	0+20.73	0+83.99	7011476.00, 11889519.65	7011507.38 , 11889479.90
L20	3.16		N13° 00' 45.83"E	0+00.00	0+03.16	7011455.81, 11889514.98	7011458.88, 11889515.69
L21	17.57		N13° 00' 45.83"E	0+03.16	0+20.73	7011458.88, 11889515.69	7011476.00, 11889519.65
L22	25.40		S63° 33' 24.97"W	0+83.99	1+09.39	7011507.38, 11889479.90	7011496.07, 11889457.16
L23	6.93		S63° 33' 24.97"W	1+09.39	1+16.32	7011496.07, 11889457.16	7011492.98, 11889450.95

ARLINGTON
VIRGINIA

DEPARTMENT OF
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ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

APPROVALS DATE

QUALITY CONTROL ENGINEER 2/4/19
CONSTRUCTION MANAGEMENT SUPERVISOR 2/5/19
WATER, SEWER, STREETS BUREAU CHIEF 2/7/19
TRANSPORTATION DIRECTOR 2/4/19
PROJECT MANAGER 2/4/19

REVISIONS DATE

FAIRFAX DR. & N. LYNN ST.

GEOMETRIC CONTROL
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION

P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-4-122-CORRIDOR.DWG

PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

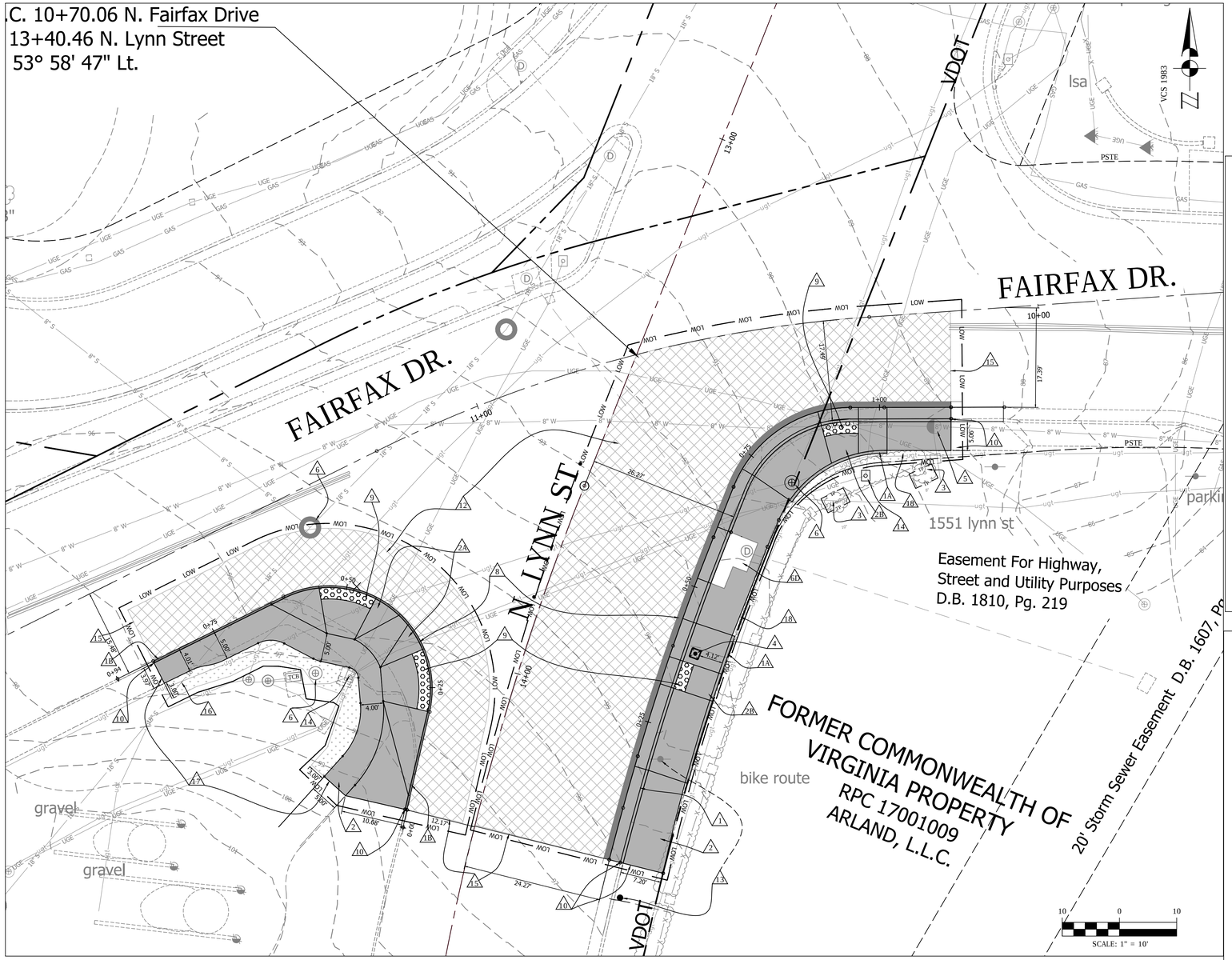
PLOTTED: FEBRUARY 5 2019
PLOTTED BY:KPATEL

SCALE: AS NOTED

GRAPHIC SCALE
10 0 10
SCALE: 1" = 10'

REVISED ON 11/08/2016

C. 10+70.06 N. Fairfax Drive
13+40.46 N. Lynn Street
53° 58' 47" Lt.



NOTE:

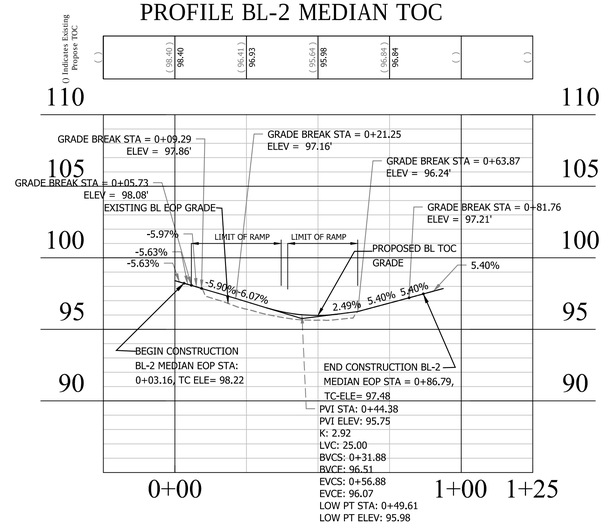
PROJECT MANAGER: RICHARD VIOLA, ARLINGTON COUNTY, 703-228-3699

SURVEYED BY: COUNTY SURVEYOR, ARLINGTON COUNTY, 703-228-7496

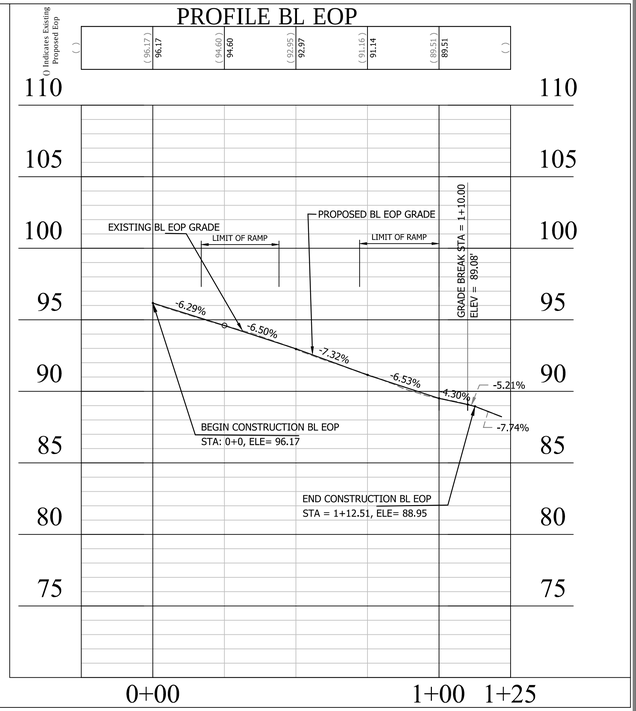
DESIGNED BY: K. PATEL, ARLINGTON COUNTY, 703-228-3503

SUBSURFACE UTILITY DATA PROVIDED BY : ARLINGTON COUNTY, ARLINGTON COUNTY, 703-228-7496

PROFILE BL-2 MEDIAN TOC



PROFILE BL EOP



CONSTRUCTION NOTES:

1. NEW CURB AND GUTTER (CG-6) VDOT STANDARD (201.03)
1A. NEW HEADER CURB (C-3) ARLINGTON COUNTY STANDARD (R-2.0)
1B. PROPOSED 4" HIGH MEDIAN CURB (VDOT CG-2) VDOT STANDARD (201.01), INCLUDES CURB FOR APRONS, RAMPS, ETC.
2. NEW SIDEWALK (S-4) ARLINGTON COUNTY STANDARD (R-2.0)
2A. NEW CURB RAMP (CG-12A), VDOT ROAD & BRIDGE STANDARDS (203.06)
2B. NEW CURB RAMP (CG-12 B MOD.) VDOT ROAD & BRIDGE STANDARDS (203.07).
3. MULCH IMPACTED TREE PITS AREA .(TREE PITS ARE EXLUDED FROM L.D.A.)
4. INSTALL PEDESTRIAN SIGNAL HEAD WITH POLE AND FOUNDATION AS PER ARLINGTON COUNTY TRAFFIC SIGNAL & STREET LIGHT SPECIFICATION 2018, SHALL COORDINATE WITH DES-TE. & O. (703-228-3864) PRIOR TO BEGIN WORK.
5. WATER METER BOX, VERTICAL ADJUSTMENT TO NEW GRADE
6. UTILITY MANHOLE OR TRAFFIC BOX , VERTICAL ADJUSTMENT TO NEW GRADE (ARLINGTON COUNTY DETAIL S-2.5 TYPE A)
6A. ADJUST EXISTING CATCH BASIN TOP TO PROPOSED GRADE
8. PROPOSED ASPHALT - FULL DEPTH REPLACEMENT ARLINGTON COUNTY STANDARD (R-1.3)
9. PROPOSED DETECTABLE WARNING SURFACE DARK GRAY COLOR PER ARLINGTON COUNTY STANDARD H-3.2, CURB RAMPS
10. MATCH EXISTING T.O.C. OR SIDEWALK GRADE. (CLEAN LINE SAW CUT BE NEEDED.)
12. ASPHALT - MILL AND OVERLAY ($\frac{1}{2}$"TO 3") PER ARLINGTON COUNTY STANDARD (R-1.4)
13. TRAFFIC CONTROL SIGNS, RELOCATE WITH NEW POST D1-3B, (INSTALL PER DETAIL SG-1.0) SEE SHEET # 11 FOR DETAILS. SHALL COORDINATE WITH DES-TE. & O. (703-228-3864) PRIOR TO BEGIN WORK.
14. EXISTING TRAFFIC PED POLE TO BE REMAIN.
15. PROVIDE CONSTRUCTION JOINT AS PER VDOT R&B. STD. 303.02, WP-2 (SEE DETAILS ON SHEET 3 OF 13)
16. SOD,TALL FESCUE/ BLUEGRASS MIXTURE
17. TRANSITION LEAD WALK TO MEET PROPOSED SIDEWALK
18. HEDGE ROW-REMOVE, RESET, AND MULCH (INCLUDE ALL LABOR AND MATERIALS)
TP TP PROTECT TREE DURING CONSTRUCTION OF PROPOSED WORK AS SHOWN. CALL URBAN FORESTER (702-228-6557) PRIOR TO BEGINNING WORK ADJACENT TO TREE.

NOTE:

THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INVOLVED WITH REPLACING ANY TRAFFIC DETECTION LOOPS THAT ARE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL REPLACEMENT CONDUIT STUB OUTS. THE CONTRACTOR SHALL COORDINATE WITH DES- TRAFFIC ENGINEERING AND OPERATIONS (703-228-3864) FOR SPLICING OF LOOPS AND INSPECTIONS FOLLOWING INSTALLATION.

REVISED ON 11/08/2016

ARLINGTON
VIRGINIA

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FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
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ARLINGTON, VA 22201
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FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER J RIGBY JR.
Lic. No. 018749
PROFESSIONAL ENGINEER
2/11/19

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/17/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	2/14/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

PLAN AND PROFILE
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-4-122-CORRIDOR.DWG

PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

PLOTTED: FEBRUARY 1 2019
PLOTTED BY:KPATEL

SCALE: AS NOTED

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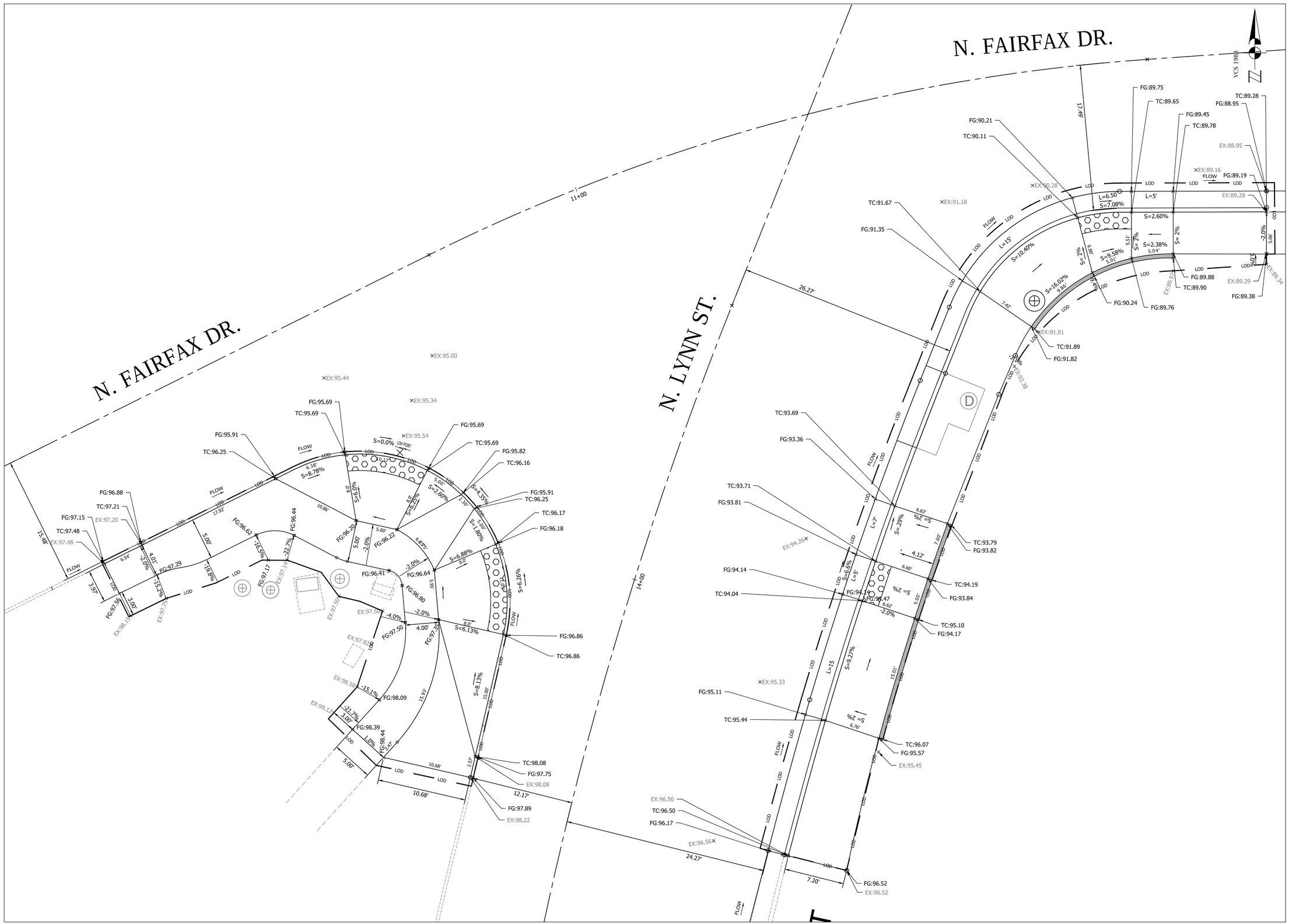
SCALE: 1" = 25'
5 0 5
VERT. SCALE: 1" = 5'

SHEET 8 OF 13

FAIRFAX DR. @ N. LYNN ST.



REVISED ON 11/08/2016

ARLINGTON
VIRGINIA

DEPARTMENT OF
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ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
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SEAL

COMMONWEALTH OF VIRGINIA
PETER J RIGBY JR.
Lic. No. 019419
2/11/19
PROFESSIONAL ENGINEER

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/19/19
TRANSPORTATION DIRECTOR	2/19/19
PROJECT MANAGER	2/14/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

RAMP DETAIL
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION

P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

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PLOTTED: FEBRUARY 5 2019
PLOTTED BY:KPATEL

SCALE: AS NOTED

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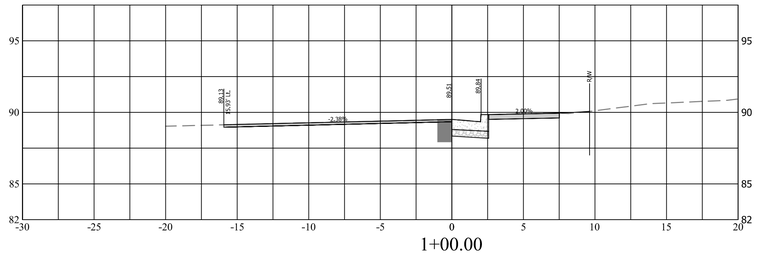
SCALE: 1" = 5'

SHEET 9 OF 13

BL- EOP STATIONING



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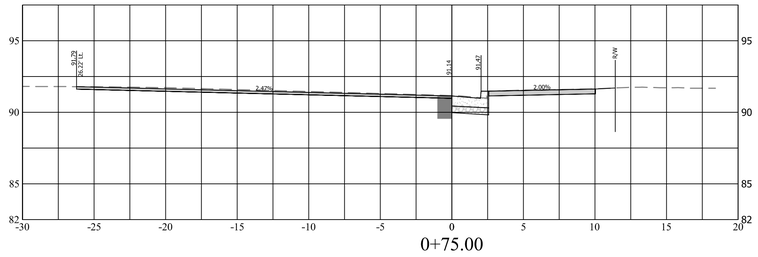

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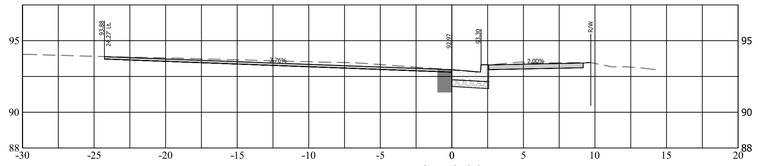

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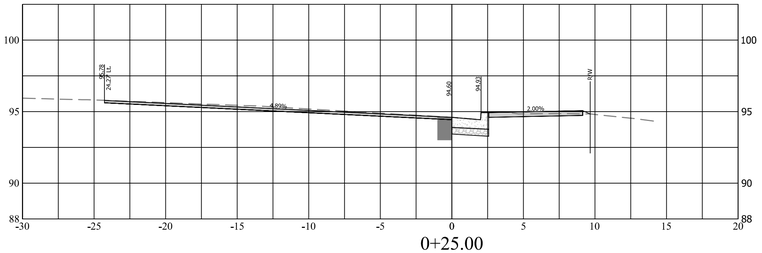

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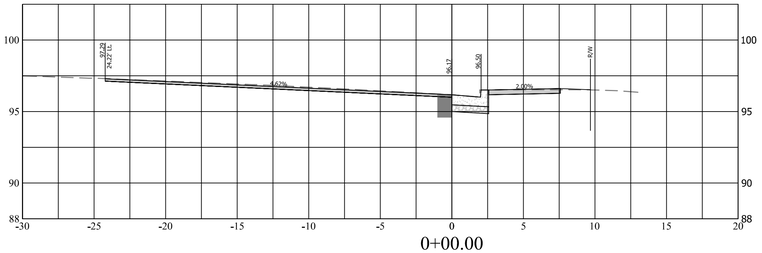

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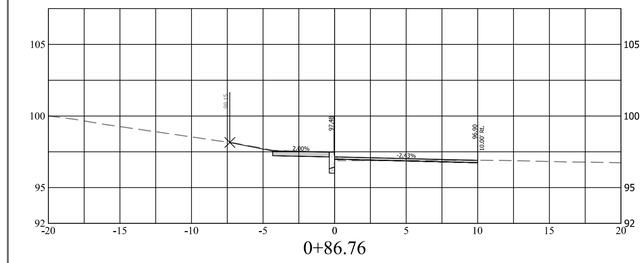
BL-2 MEDIAN EOP STATIONING



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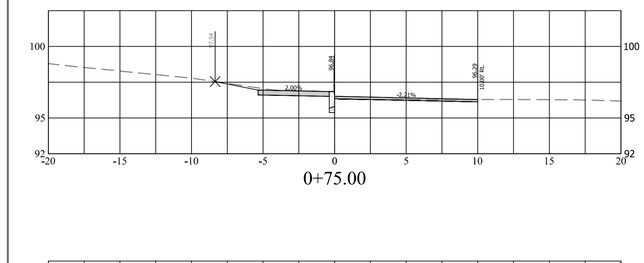

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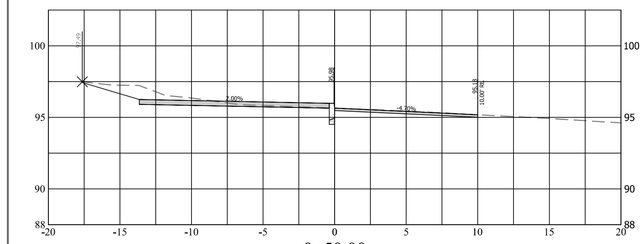

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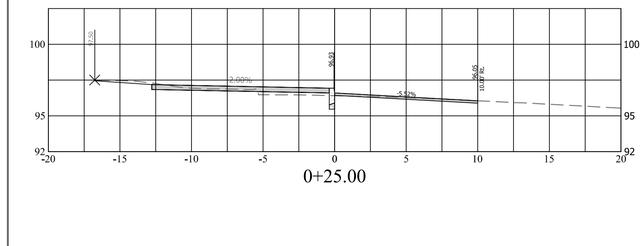

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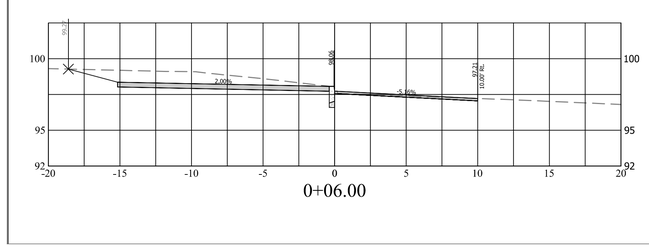

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ARLINGTON
VIRGINIA

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FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
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ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER J RIGBY JR.
Lic. No. 019749
2/11/19
PROFESSIONAL ENGINEER

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/17/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	2/14/19

REVISIONS	DATE

FAIRFAX DR. & N. LYNN ST.

CROSS SECTIONS
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-4-122-CORRIDOR.DWG

PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

PLOTTED: FEBRUARY 4 2019
PLOTTED BY:KPATEL

SCALE: AS NOTED

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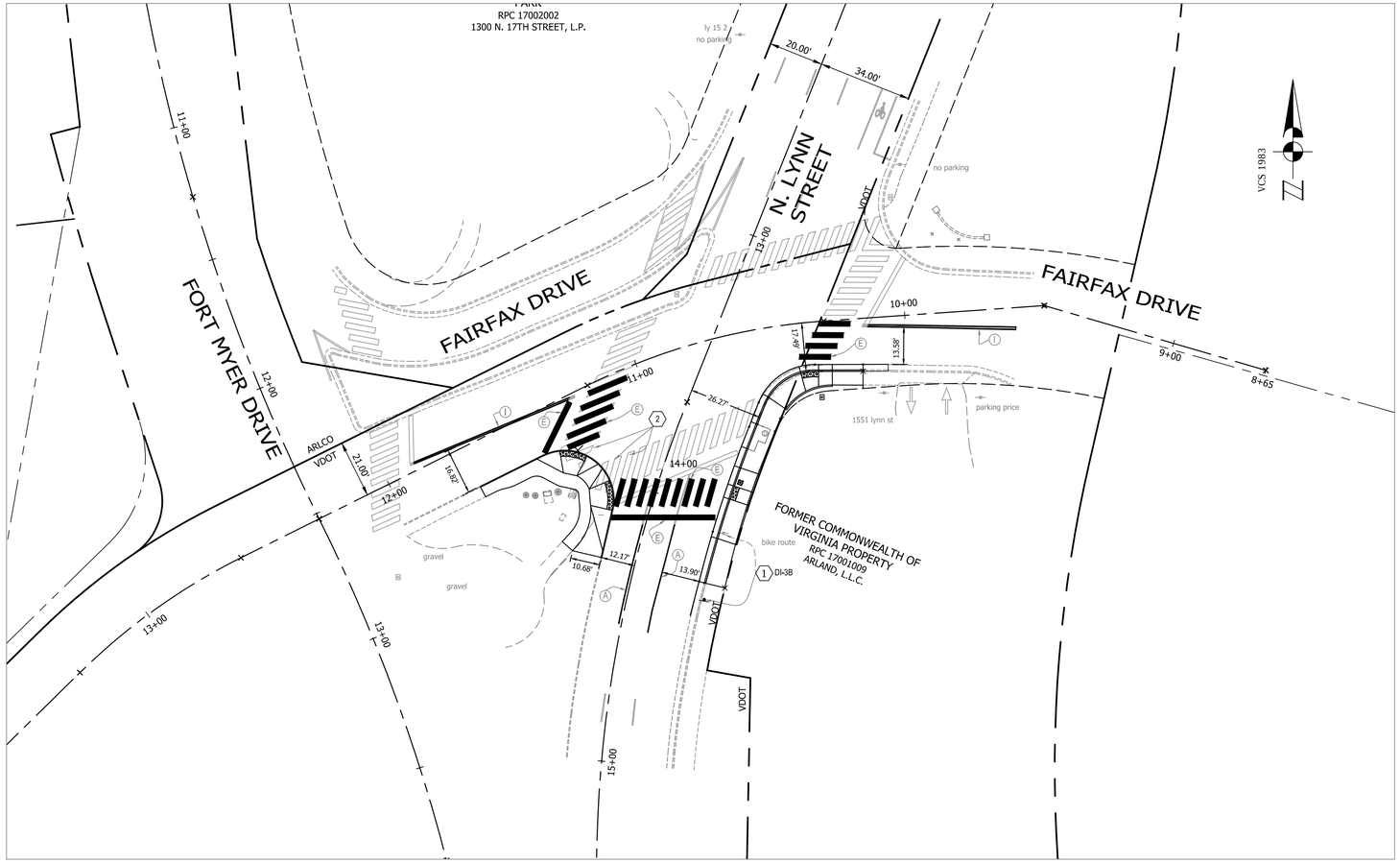
SCALE: 1" = 5'

SHEET 10 OF 13

REVISED ON 11/08/2016

FAIRFAX DR. @ N. LYNN ST.



CONSTRUCTION SIGNAGE NOTES

1. RELOCATE EXISTING SIGN TO NEW POLE
2. ERADICATE AND RE-STRIPE AS NECESSARY ANY EXISTING PAVEMENT MARKING THAT ARE IN CONFLICT WITH NEW TRAFFIC PATTERNS.

All existing signage to remain.
Unless otherwise noted.

STANDARD PAVEMENT MARKING LEGEND:

(A) TYPE B CLASS 1.....,WHITE 4" WIDTH	PARKING LANES, EDGE LINES, LANE LINES
(B) TYPE B CLASS 1.....,WHITE 4" WIDTH, 10' LONG, 30' SPACING	DASHED LANE LINES
(C) TYPE B CLASS 1.....,WHITE 4" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
(D) TYPE B CLASS 1.....,WHITE 18" WIDTH	STOP BARS
(E) TYPE B CLASS 1.....,WHITE 24" WIDTH	CONTINENTAL CROSS WALKS
(F) TYPE B CLASS 1.....,WHITE 6" WIDTH	TURN LANES,TRANSVERSE CROSSWALKS, BIKE LANES
(G) TYPE B CLASS 1.....,YELLOW 4" WIDTH, 10' LONG, 30' SPACING	DIVIDED TRAFFIC, TWO WAY TURN LANES
(H) TYPE B CLASS 1.....,YELLOW 4" WIDTH	EDGE LINES
(I) TYPE B CLASS 1.....,YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING	CENTERLINES
(J) TYPE B CLASS 1.....,WHITE 6" WIDTH, 10' SPACING @45 DEGREE	HATCH LINES, SAFETY ZONES
(K) TYPE B CLASS 1.....,WHITE SINGLE ARROW	TURN LANES
(L) TYPE B CLASS 1.....,WHITE COMBINATION ARROW	TURN LANES
(M) TYPE B CLASS 1.....,WHITE 8' LETTERS	PAVEMENT LETTERS (STOP, YIELD, BUS, ONLY etc.)
(N) TYPE B CLASS 1.....,WHITE 6" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
(O) TYPE B CLASS 1.....,WHITE 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
(P) TYPE B CLASS 1.....,YELLOW 12" WIDTH, 20' SPACING @45 DEGREE	GORE MARKINGS
(Q) TYPE B CLASS 1.....,WHITE 6" WIDTH, 2' LONG, 4' SPACING	LANE TRANSITIONS

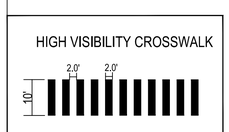
SIGN AND PAVEMENT MARKING NOTES:

1. STREET WIDTH MEASUREMENTS ARE FROM FACE OF CURB TO FACE OF CURB. LANES ARE MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING .
2. CONTACT DENNIS HOWELL OR HIS DESIGNEE AT 703-228-6598 OR (571) 437-1077 TO APPROVE MARKING LAYOUT 48 HRS. PRIOR TO INSTALLATION OF MARKINGS.
3. PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE FOLLOWING AND ANY REVISIONS HERE TO:
   A.) THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
   B) ARLINGTON COUNTY MARKING STANDARDS.
4. ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
5. STOP BARS SHALL BE A MINIMUM OF 4' IN ADVANCE OF A MARKED CROSSWALK. IF THERE IS NO MARKED CROSSWALK, STOP BAR SHALL BE NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTED TRAVELED WAY.
6. CROSSWALKS SHALL BE 10' WIDE UNLESS OTHERWISE NOTED.
7. LEFT TURN ARROWS SHALL BE LOCATED 25' BACK FROM STOP BAR. FOR ADDITIONAL ARROWS FOLLOW DES MARKING STANDARDS.
8. ON-STREET PARKING LANE IS 7' WIDE (UNLESS OTHERWISE NOTED) AND MARKED WITH 4" WIDE WHITE LINES. BEGINING AND END OF PARKING SHALL BE MARKED WITH AN END LINE PERPENDICULAR TO CURB EXCEPT AT NUBS.
9. SHARROWS SHALL BE PLACED IN CENTER OF LANE, 250' APART UNLESS OTHERWISE SPECIFIED.
10. BIKE LANE SYMBOLS TO BE PLACED 330' APART UNLESS OTHERWISE SPECIFIED.

STRIPING LEGEND

EXISTING		PROPOSED
	BUS STOP	
	FIRE HYDRANT	
	PARKING METER	
	SIGN	
(A)	STRIPING	(A)

HIGH VISIBILITY CROSSWALK



BIKE SYMBOL DETAL

REVISED ON 11/08/2016

ARLINGTON
VIRGINIA

DEPARTMENT OF
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ENGINEERING BUREAU
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ARLINGTON, VA 22201
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FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER J RIGBY JR.
Lic. No. 018740
PROFESSIONAL ENGINEER
2/4/19

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/4/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/19/19
TRANSPORTATION DIRECTOR	2/4/19
PROJECT MANAGER	2/8/19

REVISIONS DATE

FAIRFAX DR. & N. LYNN ST.
SIGNAGE AND STRIPING
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-4-122-CORRIDOR.DWG

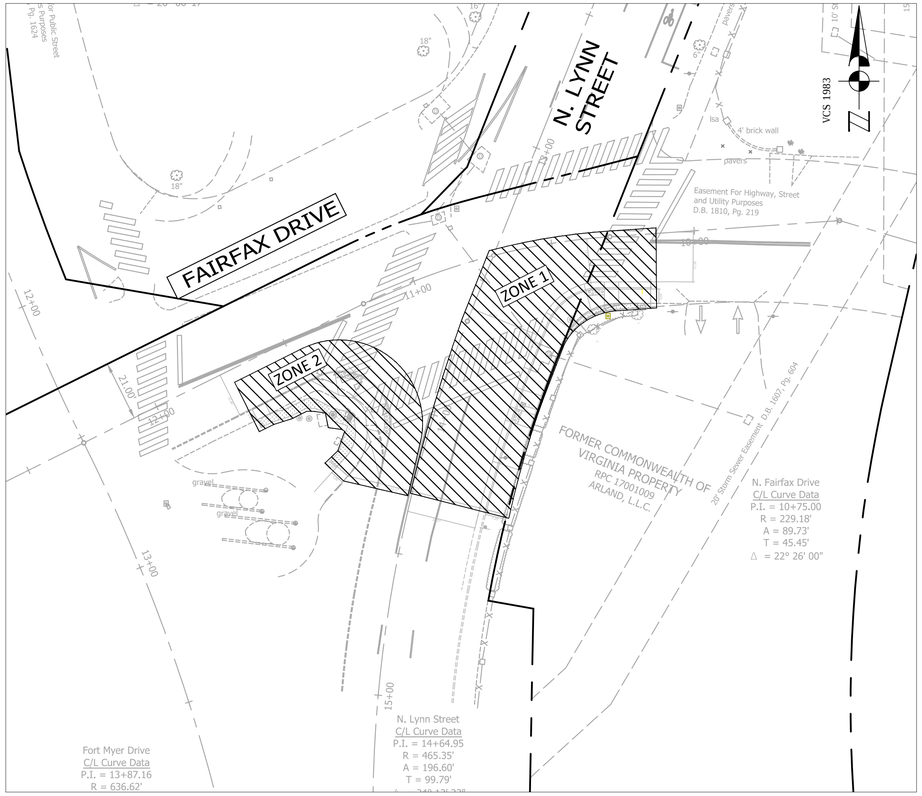
PATH: Q:\DATA\P14D_RB CORRIDOR IMPROVEMENTS\SITE B-4 FAIRFAX DR & N LYNN STREET\CAD FILES\ACTIVE

PLOTTED: FEBRUARY 4 2019
PLOTTED BY:KPATEL

SCALE: AS NOTED

GRAPHIC SCALE
25 0 25
SCALE: 1" = 25'

FAIRFAX DR. @ N. LYNN ST.



		ZONE TABLE	DURATION
ZONE#	TTC#	COMMENTS	
ZONE 1	TTC-16.1	OUTSIDE LANE CLOSURE OPERATION ON A FOUR LANE ROADWAY	MONTH
	TTC-28.1	LANE CLOSURE OPERATION- IN AN INTERSECTION	
	TTC-36.1	CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION	
ZONE 2	TTC-28.1	LANE CLOSURE OPERATION- IN AN INTERSECTION	TWO WEEK
	TTC-36.1	CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION	
	TTC-17.1	INSIDE LANE CLOSURE OPERATION ON A FOUR-LANE ROADWAY	

NOTE:
THE DURATIONS SHOWN WERE DEVELOPED FOR PLANNING AND ESTIMATION PURPOSES ONLY. THE DURATIONS IN NO WAY ALTER THE CONTRACT TIME FOR COMPLETION, OR INFRINGES ON THE CONTRACTORS MEANS AND METHODS. THE CONTRACTOR'S SUBMITTED SCHEDULE SUPERSEDES THE ESTIMATED DURATIONS SHOWN.

RESTRICTIONS ON CONCURRENT WORK AREAS:

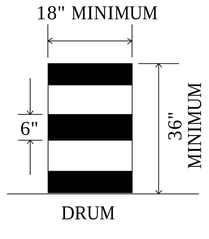
THE CONTRACTOR MAY CHOOSE THE OPTIMAL SEQUENCE FOR THEM, BUT THE DESIGNER WILL DICTATE WHICH WORK AREA CAN AND CANNOT BE CLOSED SIMULTANEOUSLY.

NOTES:
1. WARNING SIGN SPACING : 100'
2. CHANNELIZATION DEVICES SPACING FOR TRANSITION AREAS = 20'

LEGEND:

AREA UNDER CONSTRUCTION

TRAFFIC FLOW

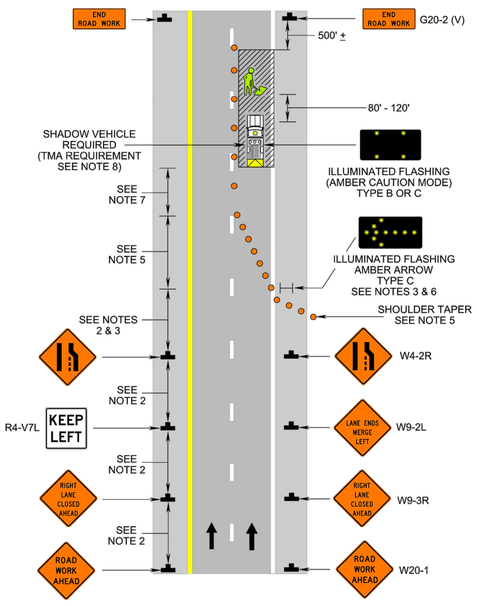


NOTES:

DRUM SPACING IS 20 FEET ON TRANSITIONS AND CURVES.
DRUM SPACING PARALLEL TO THE TRAVEL WAY IS 40 FEET.

REVISED ON 11/08/2016

Outside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-16.1)



Typical Traffic Control
Outside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-16.1)
NOTES

Standard:

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

Guidance:

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. For Limited Access highways a minimum of 1000' is desired.*
4. *All vehicles, equipment, workers, and their activities should be restricted to one side of the pavement.*

Standard:

5. **Taper Length (L) and Channelizing Device Spacing shall be:**

Taper Length (L)				
Speed Limit (mph)	Lane Width (Feet)			
	9	10	11	12
25	95	105	115	125
30	135	150	165	180
35	185	205	225	245
40	240	270	295	320
45	405	450	495	540
50	450	500	550	600
55	495	550	605	660
60	540	600	660	720
65	585	650	715	780
70	630	700	770	840
Minimum taper lengths for Limited Access highways shall be 1000 feet.				
Shoulder Taper = ⅓ L Minimum				

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

On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.

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

1: Revision 1 – 4/1/2015

WORKING HOURS:

1. IN ARLINGTON RIGHT-OF-WAY: 9:30 AM TO 3:00 PM (MON.-THUR.) AND 9:30 AM TO 2:00PM (FRIDAY)
2. ALL LANES SHALL BE FULLY OPEN TO TRAFFIC OUTSIDE THE ABOVE HOURS UNLESS SPECIFIED OTHERWISE IN THE MAINTENANCE OF TRAFFIC PLANS.

MOT NOTES:

1. TRAFFIC CONTROL DEVICES AND SAFETY MEASURES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL, VDOT's GUIDELINES FOR TEMPORARY TRAFFIC CONTROL, FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ARLINGTON COUNTY STANDARDS, THE TRAFFIC CONTROL PLANS INCLUDED IN THE CONSTRUCTION DRAWINGS, AND/OR AS DIRECTED BY THE PROJECT OFFICER.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE WHICH INDICATES START AND FINISH DATES FOR EACH SEGMENT OF THE WORK. THE SCHEDULE SHALL INDICATE THE DURATION OF ALL LANE OR SHOULDER CLOSURES. THE CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER A MINIMUM OF 3 BUSINESS DAYS IN ADVANCE OF PROCEEDING TO THE NEXT WORK SEGMENT.
3. THE CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER OF PARKING RESTRICTION NEEDS A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK FOR EACH SEGMENT. COUNTY PROJECT OFFICER SHALL RESTRICT PARKING BY CONTACTING DES - PERMITTING SECTION, 703-228-4798.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL EITHER MAINTAIN APPROPRIATE SIGHT DISTANCE TO ALL TRAFFIC SIGNS OR PROVIDE FOR TEMPORARY SIGNAGE OR FLAGGERS TO GUIDE TRAFFIC THROUGH WORK ZONES.
5. THE CONTRACTOR SHALL MINIMIZE THE DURATION OF ANY BLOCKAGE TO PRIVATE ENTRANCES AND DRIVEWAYS. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF DRIVEWAY CLOSURE FOR APPROVAL BY THE PROJECT OFFICER. THE PROJECT OFFICER SHALL BE NOTIFIED A MINIMUM OF 3 BUSINESS DAYS IN ADVANCE OF SUCH ACTIVITIES. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE TEMPORARY CLOSURE OF ACCESS TO THE PROPERTY. THE CONTRACTOR SHALL MAKE ALL PRIVATE ENTRANCES AND DRIVEWAYS ACCESSIBLE AT THE CONCLUSION OF EACH WORKDAY.
6. ANY EXCAVATIONS WHICH ARE SPECIFICALLY APPROVED BY THE PROJECT OFFICER TO REMAIN OPEN PAST NORMAL WORKING HOURS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROTECTED IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND AS APPROVED BY THE PROJECT OFFICER.
7. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, INCLUDING ACCESS TO BUS STOP SHELTERS, UNLESS OTHERWISE APPROVED IN THE PLANS.
8. PEDESTRIAN TRAFFIC SHALL BE SEPARATED FROM WORK ZONES WITH APPROPRIATE MEASURES IN ACCORDANCE WITH MUTCD.
9. ADEQUATE PROVISIONS FOR PERSONS WITH DISABILITIES SHALL BE PROVIDED AT ALL TIMES PER ADA REQUIREMENTS.
10. WHEN NECESSARY, PEDESTRIANS SHALL BE APPROPRIATELY DIRECTED WITH ADVANCED WARNING SIGNS PLACED AT INTERSECTIONS, TO CROSS TO THE OPPOSITE SIDE OF THE ROADWAY IN ORDER TO PREVENT CONFLICT WITH MIDBLOCK WORK SITES.
11. PEDESTRIANS SHALL NOT BE LED INTO CONFLICT WITH WORK SITE EQUIPMENT, OPERATIONS, AND/OR VEHICLES MOVING THROUGH OR AROUND THE WORK SITE.
12. ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MAINTAINED UNOBSTRUCTED AND ACCESSIBLE AT ALL TIMES IN ACCORDANCE WITH SECTIONS 508.5.4 AND 508.5.5 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
13. ACCESS TO BUILDINGS FOR FIREFIGHTING SHALL BE MAINTAINED AT ALL TIMES. EXISTING FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE KEPT CLEAR OF OBSTRUCTIONS IN ACCORDANCE WITH SECTION 503.4 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE. ACCESS TO CONSTRUCTION SITES SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH SECTION 1410 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
14. IN THE EVENT THAT EXISTING FIRE DEPARTMENT CONNECTIONS OR FIRE APPARATUS ACCESS ROADS (FIRE LANES) MUST BE OBSTRUCTED TO FACILITATE CONSTRUCTION ACTIVITIES, CONTACT THE ARLINGTON COUNTY FIRED DEPARTMENT FIRE PREVENTION OFFICE AT 703-228-4644 TO COORDINATE REVIEW AND APPROVAL OF TEMPORARY FIRE DEPARTMENT CONNECTIONS AND/OR FIRE APPARATUS ACCESS ROADS PRIOR TO CREATING THE OBSTRUCTION.
15. VEHICLE DETECTION AT ALL TIMES DURING THE PROJECT. TRAFFIC SENSORS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION STATE PRIOR TO THE COMPLETION OF THIS PROJECT.
16. WORK HOURS ARE RESTRICTED TO 9:30 AM TO 3:00 PM (MON.- THUR.) & 9:30AM TO 2:00 PM (FRIDAY)
17. CONTRACTOR SHALL COVER ANY EXISTING SIGNS WHICH ARE NOT APPLICABLE OR ARE IN CONFLICT WITH THIS MOT PLAN.
18. CONTRACTOR SHALL ERADICATE AND RE-STRIPE AS NECESSARY ANY EXISTING PAVEMENT MARKINGS THAT ARE AM CONFLICT OR DO NOT ALIGN WITH THE TEMPORARY PAVEMENT MARKINGS OR NEW TRAFFIC PATTERNS.
19. CONTRACTOR SHALL ERADICATE ALL TEMPORARY PAVEMENT MARKING, INCLUDING TEMPORARY MARKED CROSSWALKS ONCE THE WORK AREA(S) ASSOCIATED WITH THE MARKINGS HAS BEEN COMPLETED.
20. CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY TRANSIT AT 703-228-3049, AT LEAST FOUR (4) WEEKS PRIOR TO COMMENCEMENT OF ALL WORK AFFECTING TRANSIT STOP OR ROUTES. ALL TEMPORARY AND FINAL BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
2100 CLARENDON BOULEVARD, SUITE 813
ARLINGTON, VA 22201
PHONE: 703.228.3629
FAX: 703.228.3606

SEAL

COMMONWEALTH OF VIRGINIA
PETER S RIGBY JR.
Lic. No. 019419
PROFESSIONAL ENGINEER
2/11/19

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/4/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/5/19
WATER, SEWER, STREETS BUREAU CHIEF	2/11/19
TRANSPORTATION DIRECTOR	2/12/19
PROJECT MANAGER	2/12/19

REVISIONS DATE

FAIRFAX DR. & N. LYNN ST.
MOT _PLAN I
FAIRFAX DR. & N. LYNN ST.
SE CORNER AT INTERSECTION
P14D

DESIGNED: K. PATEL
DRAWN : K. PATEL
CHECKED : P. RIGBY
MISS UTILITY TRANSMITTAL #: N/A

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PLOTTED: FEBRUARY 4 2019
PLOTTED BY:KPATEL

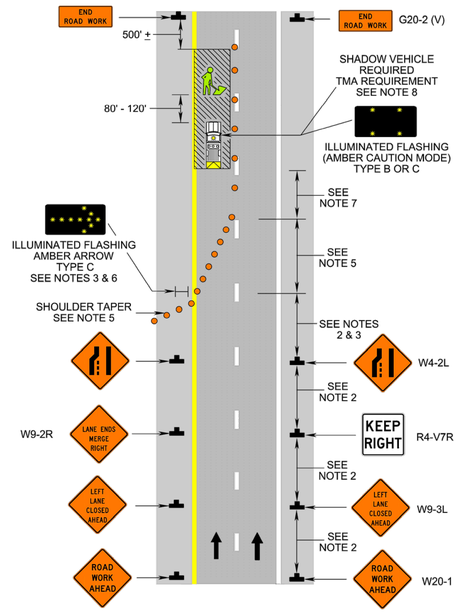
SCALE: AS NOTED

GRAPHIC SCALE
25 0 25
SCALE: 1" = 25'

SHEET 12 OF 13

FAIRFAX DR. @ N. LYNN ST.

Inside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-17.1)



Typical Traffic Control
Inside Lane Closure Operation on a Four-Lane Roadway
(Figure TTC-17.1)
NOTES

Standard:

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

Guidance:

2. *Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.*
3. *Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-3. For Limited Access highways a minimum of 1000' is desired.*
4. *All vehicles, equipment, workers, and their activities should be restricted to one side of the pavement.*

Standard:

5. **Taper length (L) and channelizing device spacing shall be:**

Taper Length (L)				
Speed Limit (mph)	Lane Width (Feet)			
	9	10	11	12
25	95	105	115	125
30	135	150	165	180
35	185	205	225	245
40	240	270	295	320
45	405	450	495	540
50	450	500	550	600
55	495	550	605	660
60	540	600	660	720
65	585	650	715	780
70	630	700	770	840
Minimum taper lengths for Limited Access highways shall be 1000 feet.				
Shoulder Taper = ⅓ L Minimum				

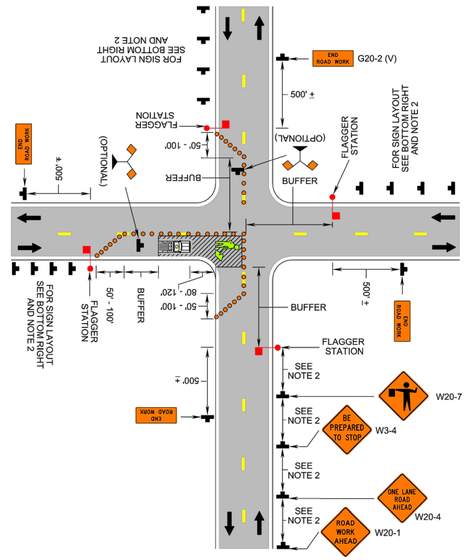
Channelizing Device Spacing		
Location	Speed Limit (mph)	
	0 - 35	36 +
Transition Spacing	20'	40'
Travelway Spacing	40'	80'
Construction Access*	80'	120'
* Spacing may be increased to this distance, but shall not exceed one access per ¼ mile.		

On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.

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

1: Revision 1 – 4/1/2015

Lane Closure Operation in an Intersection
(Figure TTC-28.1)



Typical Traffic Control
Lane Closure Operation in an Intersection
(Figure TTC-28.1)
NOTES

Guidance:

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

   Appropriate signing as shown should be used for law enforcement and flagging operations. For detour signs see Figure TTC-34.
2. *Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.*

Standard:

3. **Channelizing device spacing shall be on 20' centers or less.**

Guidance:

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

Standard:

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

Guidance:

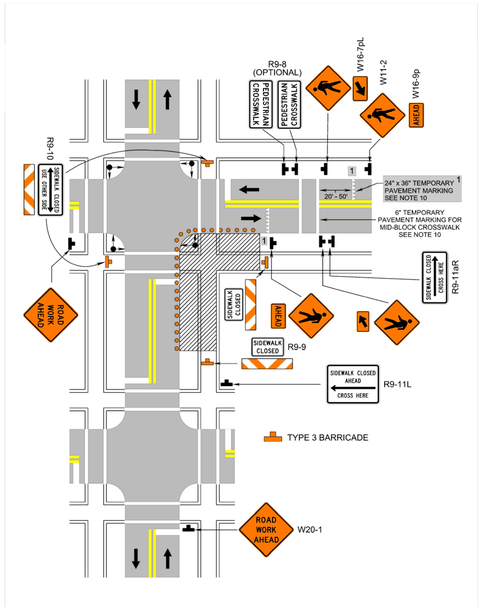
6. *If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.*

Support:

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

1: Revision 1 – 4/1/2015

Crosswalk Closure and Pedestrian Detour Operation
(Figure TTC-36.1)



1: Revision 1 – 4/1/2015

Typical Traffic Control
Crosswalk Closure and Pedestrian Detour Operation
(Figure TTC-36.1)
NOTES

Standard:

1. **When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.**
2. **Curb parking shall be prohibited for at least 50 feet in advance of the midblock crosswalk.**

Guidance:

3. *Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.*
4. *Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.*
5. *Temporary markings should be considered for operations exceeding three days in duration.*

Option:

6. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS (W5-1) signs, may be used to control vehicular traffic.
7. For nighttime closures, Type A Flashing warning lights may be used on barricades supporting signs and closing sidewalks.
8. In order to maintain the systematic use of the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs in a jurisdiction, the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs may be used in TTC zones.

Standard:

9. **All sidewalk closures shall be closed with Type 3 Barricades.**

Support:

10. Refer to Sections 3B-16 through 3B-18 of the 2009 MUTCD and the Virginia Supplement to the MUTCD[1] for crosswalk[1] lines, yield lines and other related TTC devices that may be used to control vehicular traffic at midblock crosswalks.

1: Revision 1 – 4/1/2015

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COMMONWEALTH OF VIRGINIA
PETER A RIGBY JR.
Lic. No. 019749
PROFESSIONAL ENGINEER
2/11/19

APPROVALS	DATE
QUALITY CONTROL ENGINEER	2/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	2/15/19
WATER, SEWER, STREETS BUREAU CHIEF	2/19/19
TRANSPORTATION DIRECTOR	2/14/19
PROJECT MANAGER	2/14/19

REVISIONS DATE

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PLOTTED BY:KPATEL

SCALE: AS NOTED

SHEET 13 OF 13

REVISED ON 11/08/2016

FAIRFAX DR. @ N. LYNN ST.