



**ENGINEER**  
DEPARTMENT OF  
ENVIRONMENTAL SERVICES

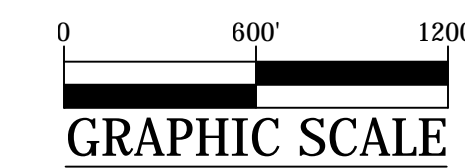
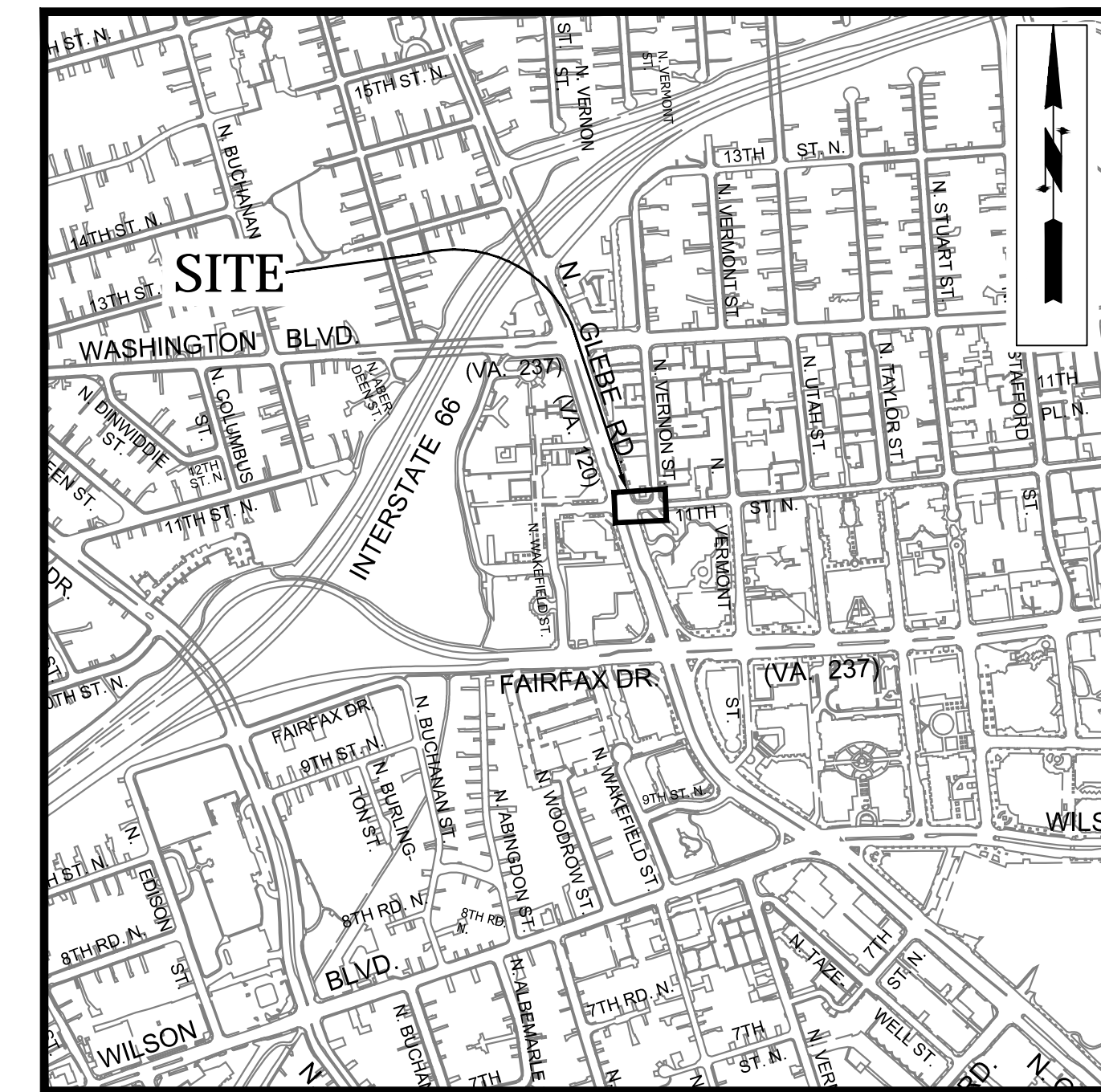
FACILITIES & ENGINEERING DIVISION  
ENGINEERING BUREAU  
2100 CLARENDON BOULEVARD, SUITE 813  
ARLINGTON, VA 22201  
PHONE: 703.228.3629 FAX: 703.228.3606  
WWW.ARLINGTONVA.US

**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

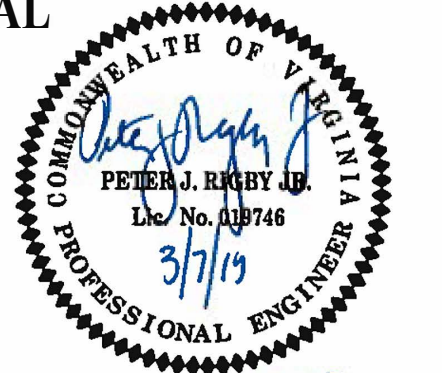
## LOCATION MAP



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

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

QUALITY CONTROL ENGINEER	03/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	MAR 11 2019
WATER, SEWER, STREETS BUREAU CHIEF	4/2/19
TRANSPORTATION DIRECTOR	3/13/19
PROJECT MANAGER	3/12/19

REVISIONS DATE

# CONSTRUCTION DRAWINGS FOR: N. GLEBE RD. @ 11TH ST. N. NE & SE CORNER AT INTERSECTION

PROJECT CODE: P14D

## GENERAL NOTES:

### GENERAL CONSTRUCTION NOTES

- 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.
- ALL CONSTRUCTION AND WORK ACTIVITIES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ALL OTHER RELEVANT WORK SAFETY REQUIREMENTS, LATEST EDITIONS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT OFFICER OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
- 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.
- 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.
- 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 TRENCHES 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.
- 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.
- 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

- 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

- TREES SHALL BE PROTECTED PER THE REQUIREMENTS OF ARLINGTON PARK & RECREATION STANDARDS.

### TRAFFIC CONTROL

- 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.
- 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.
- 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.
- UNLESS OTHERWISE DIRECTED, CONTRACTORS ARE EXPRESSLY PROHIBITED FROM 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 (4) WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR AT 703-228-3049. ALL TEMPORARY AND FINAL BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.
- 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

- 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.
- 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

SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	LEGEND
3	DETAILS SHEET
4	EXISTING CONDITIONS
5	DEMOLITION PLAN
6	EROSION AND SEDIMENT CONTROL PLAN
7	GEOMETRIC CONTROL
8	PLAN AND PROFILE
9	RAMP DETAILS
10	CROSS SECTIONS
11	SIGNAGE AND STRIPING
12	MOT_PLAN I
13	MOT_PLAN II

## ADT

17,000 - VPD N. GLEBE RD. - 2017 - TE & O  
9,300 - VPD 11TH ST. N. 2017 - TE & O

## STREET CLASSIFICATION

NEIGHBOURHOOD PRINCIPAL - 11TH ST. N. 25 MPH  
PRINCIPAL ARTERIAL - N. GLEBE RD. 30 MPH

MAINTAINING AGENCY : ARLINGTON COUNTY

## POSTED/ DESIGN SPEED

30 MPH - N. GLEBE RD.  
25 MPH - 11TH ST. N.

## DESIGN VEHICLE

2011 AASHTO CITY BUS

AUTOTURN (TURNING MOVEMENT) USED SPEED: 10MPH

PROJECT NAME AND LOCATION  
N. GLEBE RD. @ 11TH ST. N.  
COVER SHEET  
N. GLEBE RD. @ 11TH ST. N.  
NE & SE CORNER AT INTERSECTION  
P14D

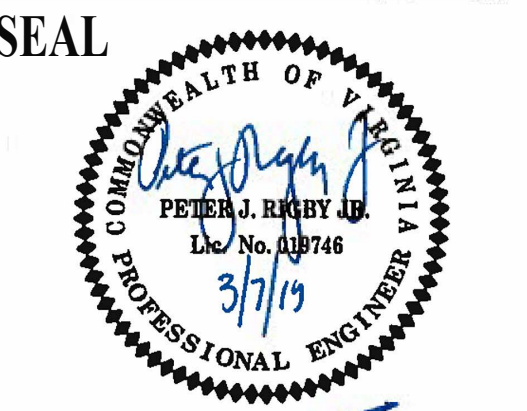
DESIGNED: K. PATEL  
DRAWN : K. PATEL  
CHECKED : P. RIGBY  
MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D\_B-5-200-COVER.DWG  
PATH: Q:\DATA\PLANS\2016\CONSTRUCTION IMPROVEMENTS\SITE B-5 N. GLEBE ROAD @ 11TH STREET\2016\DESIGN\COVER  
PLOTTED: MARCH 4 2019  
PLOTTED BY: RPATEL

SCALE: AS NOTED

SHEET

1 OF 13



APPROVALS	DATE
<i>[Signature]</i>	03/12/19
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	MAR 11 2019
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	4/2/19
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	3/13/19
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	3/12/19
PROJECT MANAGER	

REVISIONS	DATE

PROJECT NAME AND LOCATION  
**N. GLEBE RD. @ 11TH ST. N.**

LEGEND  
**N. GLEBE RD. @ 11TH ST. N.  
INE & SE CORNER AT INTERSECTION**

P14D

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

FILENAME: P14D-B-5-202-LEGEND.DWG  
PATH: Q:\DATA\P14D-B-5 CORRIDOR IMPROVEMENTS\SITE B-5 N GLEBE ROAD @ 11TH STREET\LEGEND.DWG  
PLOTTED: MARCH 4 2019  
PLOTTED BY: KPATEL

SCALE: AS NOTED

**LINETYPE LEGEND**

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

**SYMBOL LEGEND**

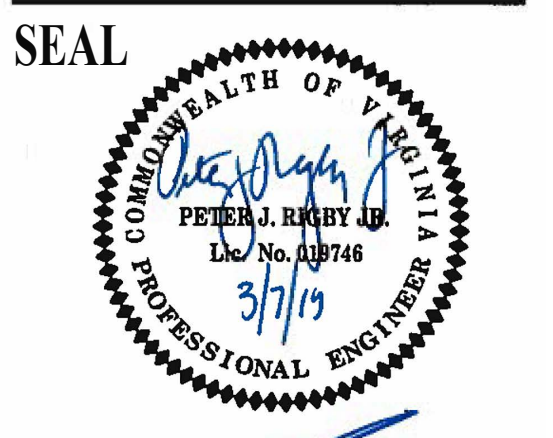
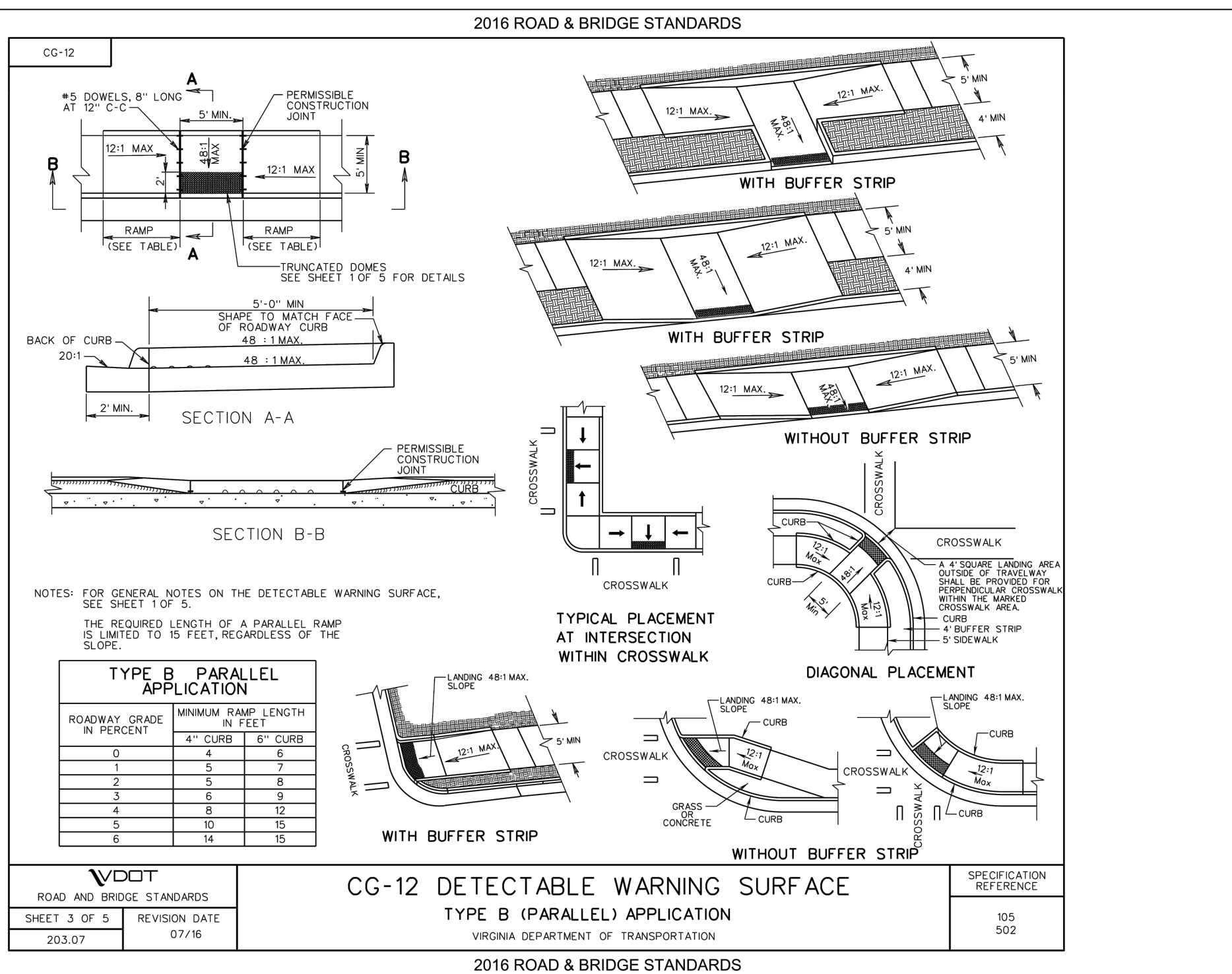
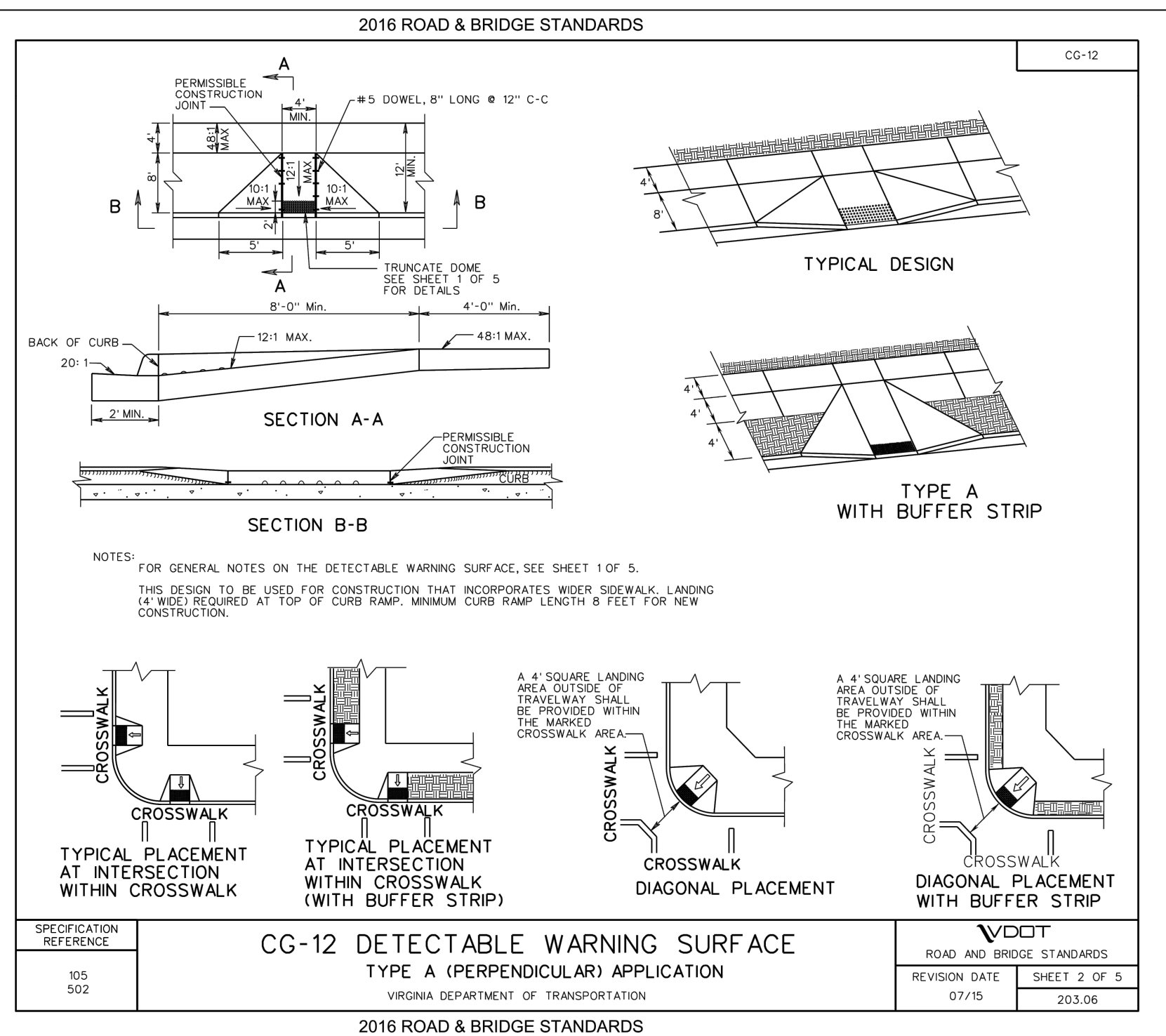
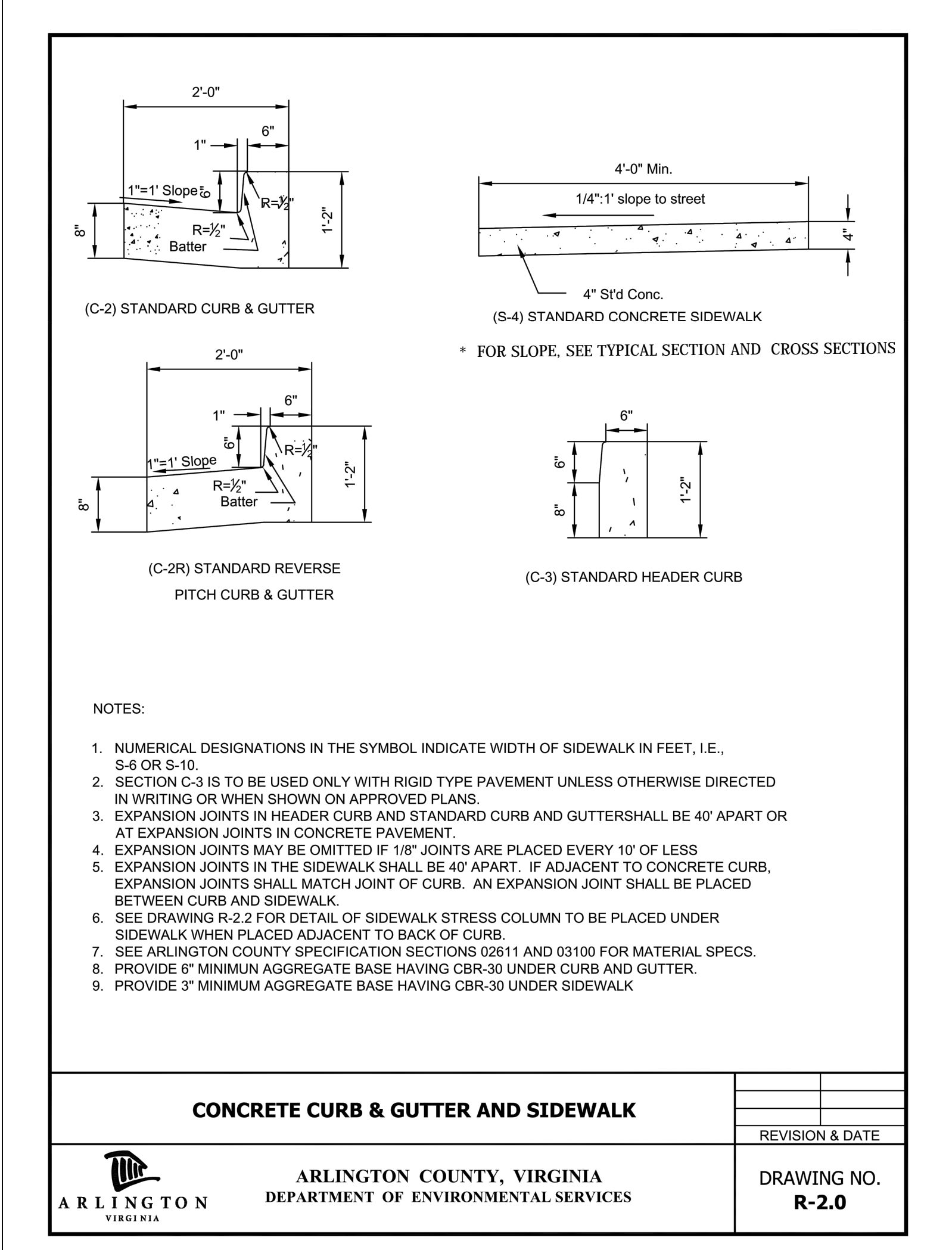
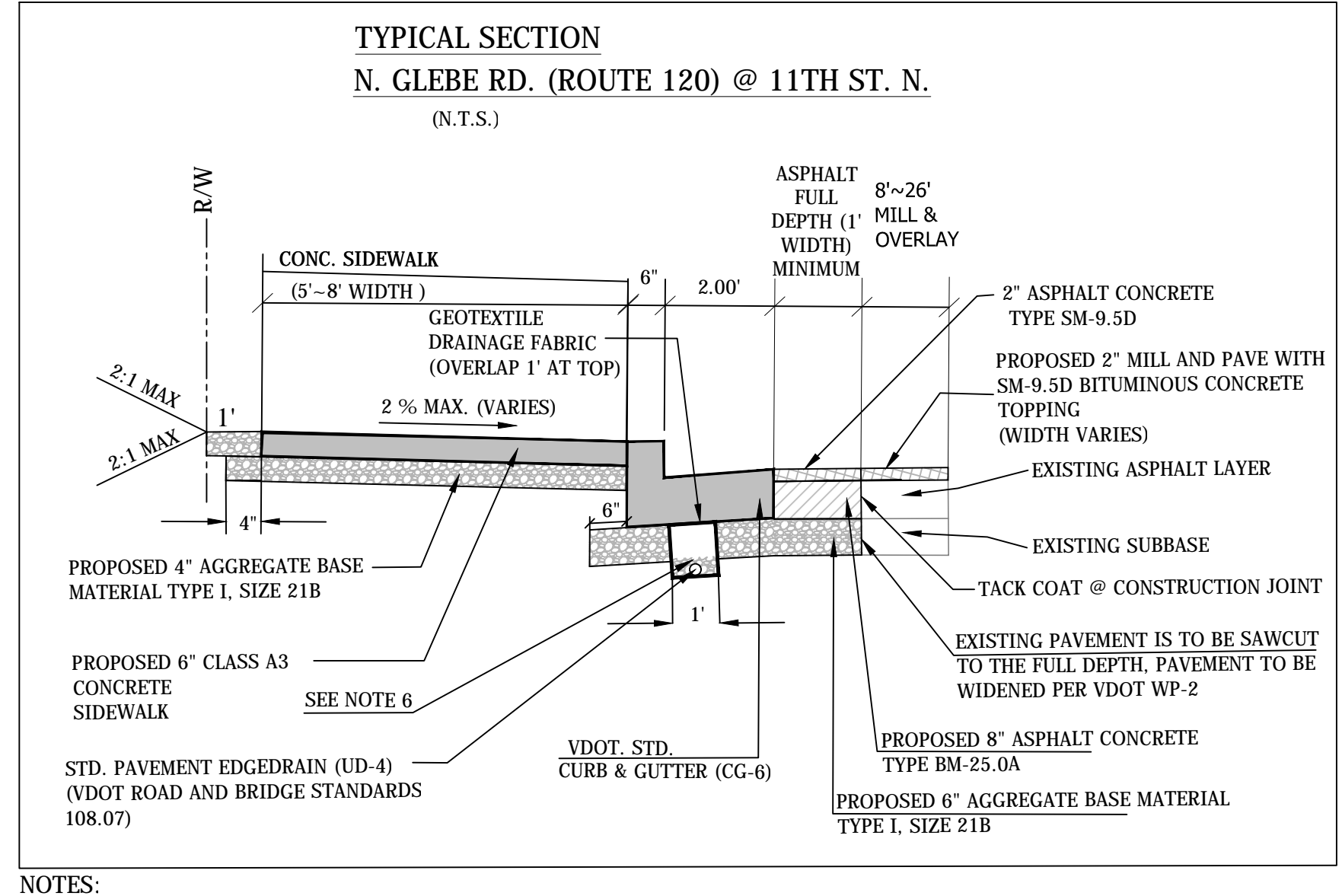
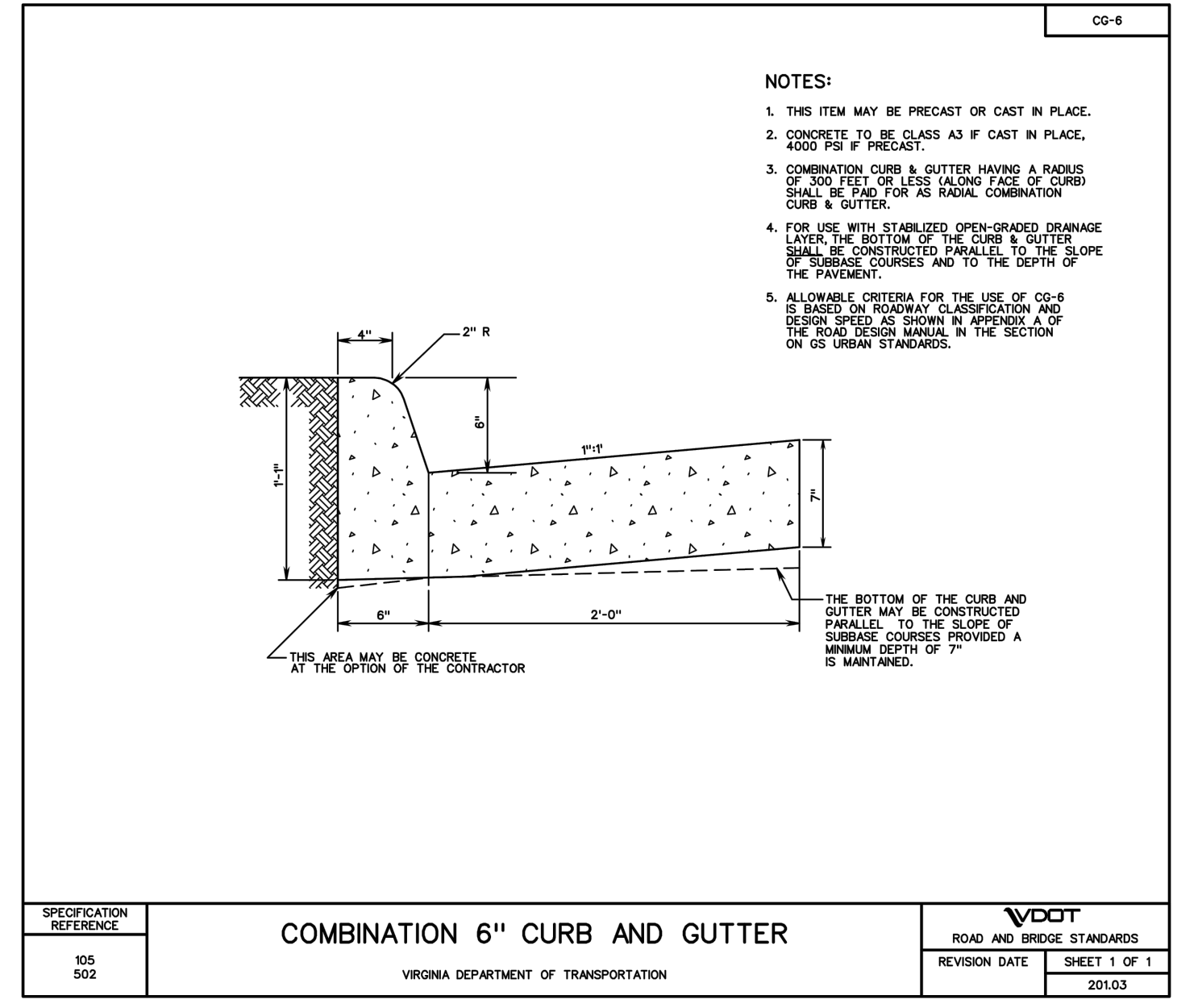
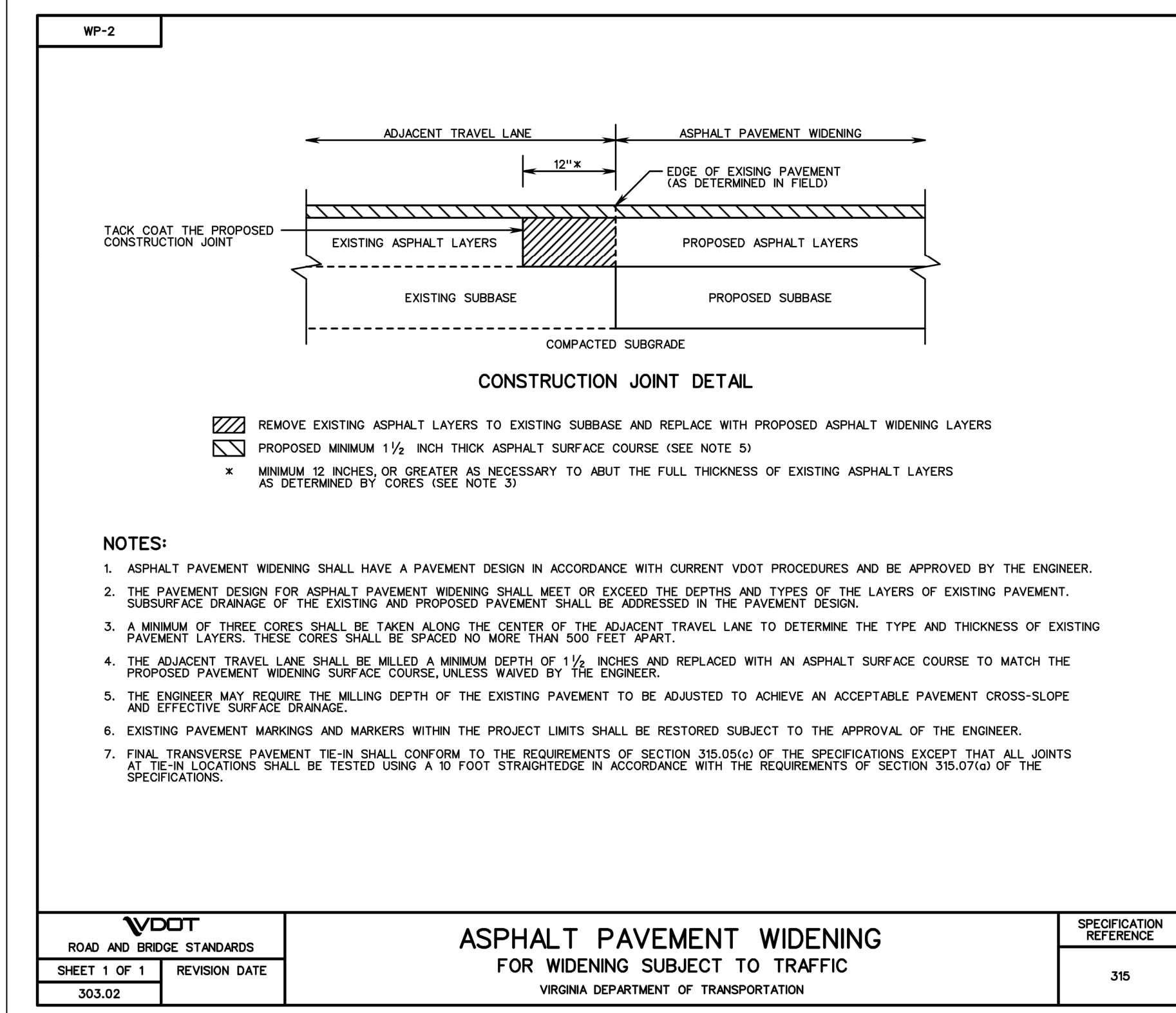
EXISTING	PROPOSED
EX BENCHMARK	PROP FIRE HYDRANT
EX CABLE PEDESTAL	PROP GAS VALVE
EX ELECTRIC BOX	PROP LIGHT POLE
EX FIRE HYDRANT	PROP PAY STATION
EX GAS VALVE	PROP SANITARY MANHOLE
EX GROUND LIGHT	PROP STORM CATCH BASIN (TO SCALE)
EX GUY WIRES	PROP STORM MANHOLE
EX IRON PIPE OR PIN	PROP STORM MANHOLE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

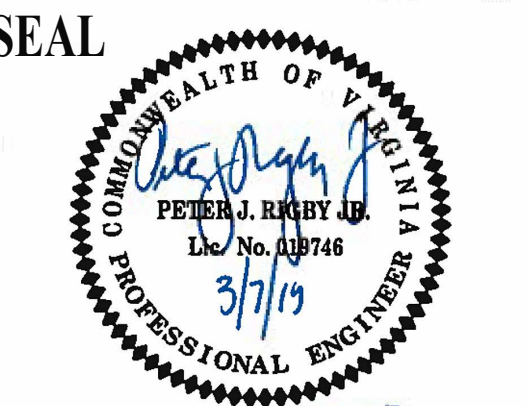
EXISTING	PROPOSED
EX SAN STRUC NO. EXISTING SANITARY STRUCTURE NUMBER	PROP SAN SEW STRUC NO. PROPOSED SANITARY SEWER STRUCTURE NUMBER
EX STRM SEW STRUC NO. EXISTING STORM SEWER STRUCTURE NUMBER	PROP STRM SEW STRUC NO. PROPOSED STORM SEWER STRUCTURE NUMBER



**APPROVALS DATE**

QUALITY CONTROL ENGINEER	02/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR	MAR 11 2019
WATER SEWER, STREETS BUREAU CHIEF	4/2/19
TRANSPORTATION DIRECTOR	3/13/19
PROJECT MANAGER	3/12/19

**REVISIONS DATE**

APPROVALS	DATE
<i>[Signature]</i>	03/14/19
QUALITY CONTROL ENGINEER <i>[Signature]</i>	03/14/19
CONSTRUCTION MANAGEMENT SUPERVISOR <i>[Signature]</i>	MAR 11 2019
WATER, SEWER, STREETS BUREAU CHIEF <i>[Signature]</i>	4/2/19
TRANSPORTATION DIRECTOR <i>[Signature]</i>	3/13/19
PROJECT MANAGER <i>[Signature]</i>	3/12/19

REVISIONS	DATE

PROJECT NAME AND LOCATION  
**N. GLEBE RD. @ 11TH ST. N.**

EXISTING CONDITIONS  
**N. GLEBE RD. @ 11TH ST. N.  
NE & SE CORNER AT INTERSECTION**

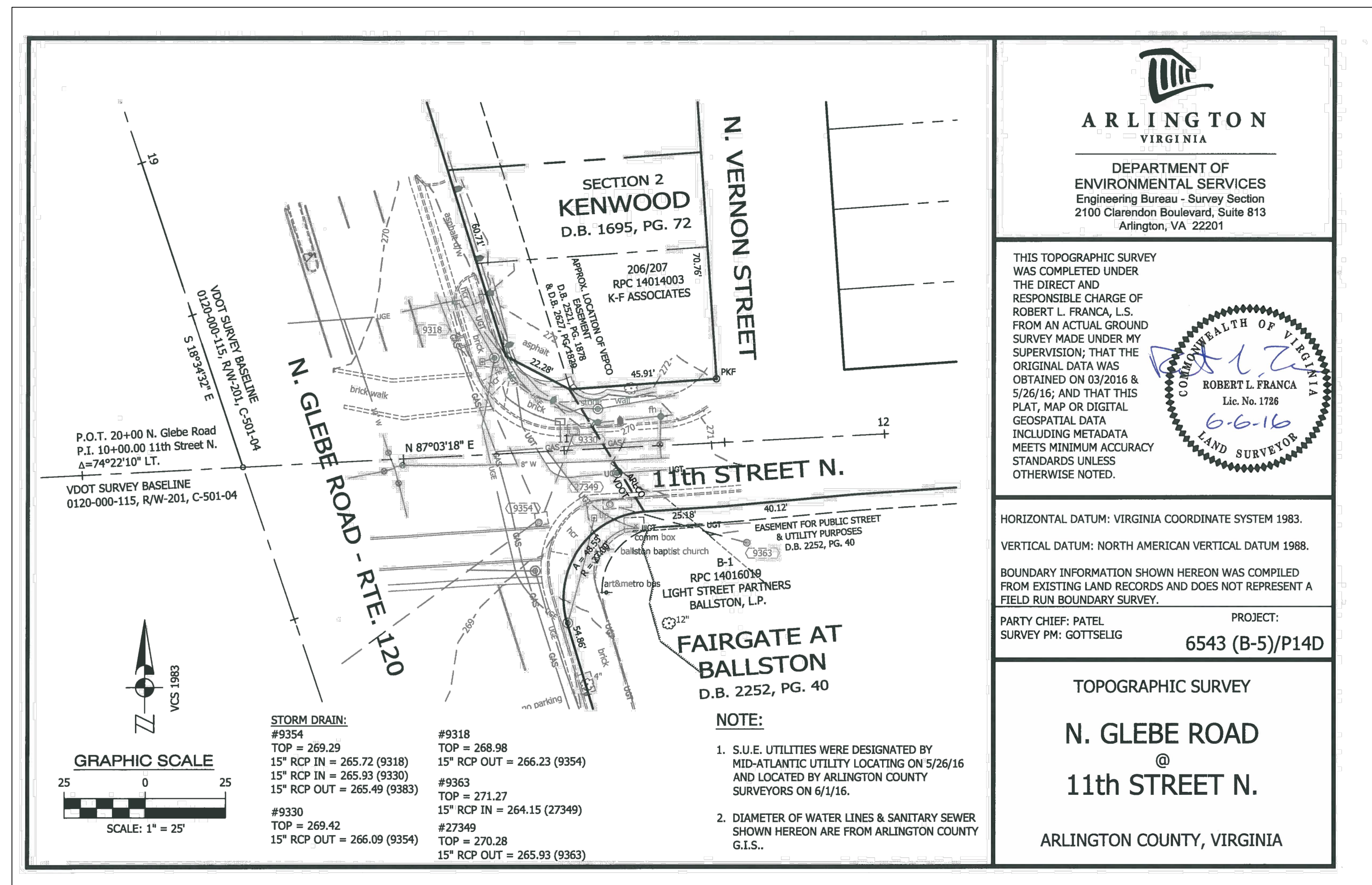
P14D

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

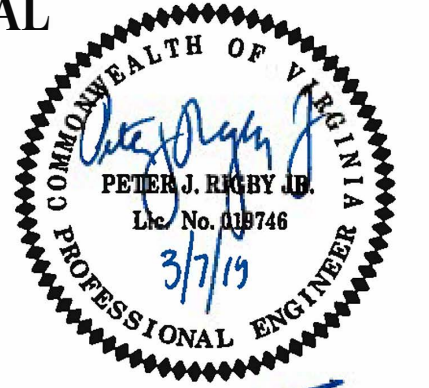
FILENAME: P14D\_B-5-214-EXISTING CONDITIONS.DWG  
PATH: Q:\2013\1400\_214 CORRIDOR IMPROVEMENTS\SITE B-5 N. GLEBE ROAD @ 11TH STREET\1400-214-214.DWG  
PLOTTED: MARCH 4 2019  
PLOTTED BY: K.PATEL

SCALE: AS NOTED  
GRAPHIC SCALE  
SCALE: 1" = 25'

SHEET  
4 OF 13



SEAL



APPROVALS DATE

<i>[Signature]</i>	03/14/19
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	MAR 11 2019
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	4/2/19
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	3/3/19
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	3/12/19
PROJECT MANAGER	

REVISIONS DATE

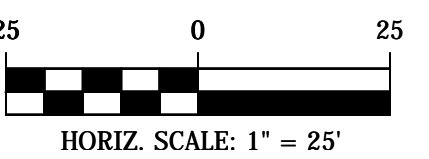
REVISIONS	DATE

PROJECT NAME AND LOCATION  
N. GLEBE RD. @ 11TH ST. N.  
DEMOLITION PLAN  
N. GLEBE RD. @ 11TH ST. N.  
NE & SE CORNER AT INTERSECTION  
P14D

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

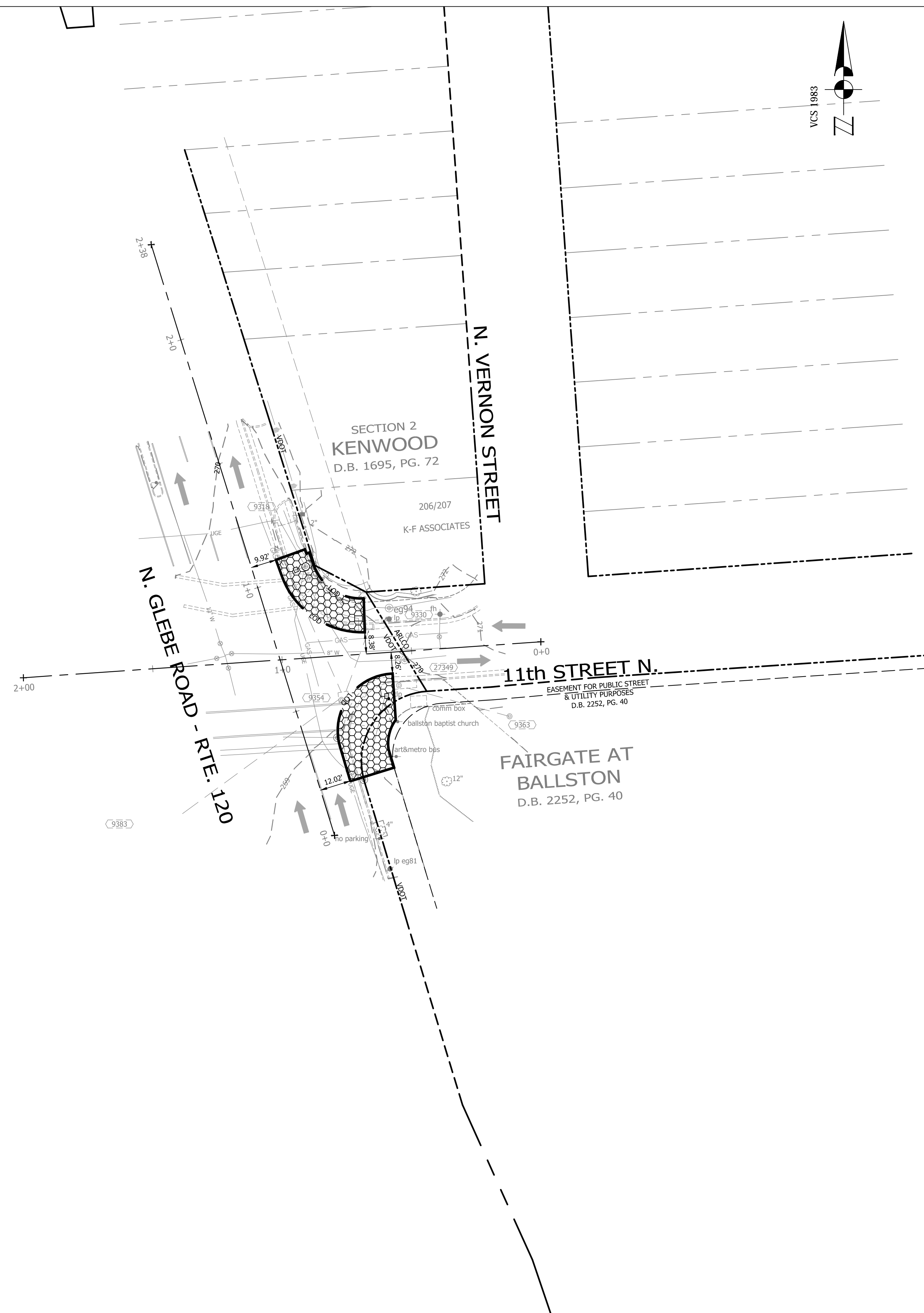
FILENAME: P14D-B-5 228- DEMOLITION\_PLAN.DWG  
PATH: G:\DATA\PLANS\_2019\CORRIDOR IMPROVEMENTS\SITE 5 - N GLEBE ROAD @ 11TH STREET - ROAD IMPROVEMENT  
PLOTTED: MARCH 4 2019  
PLOTTED BY: K.PATEL

SCALE: AS NOTED

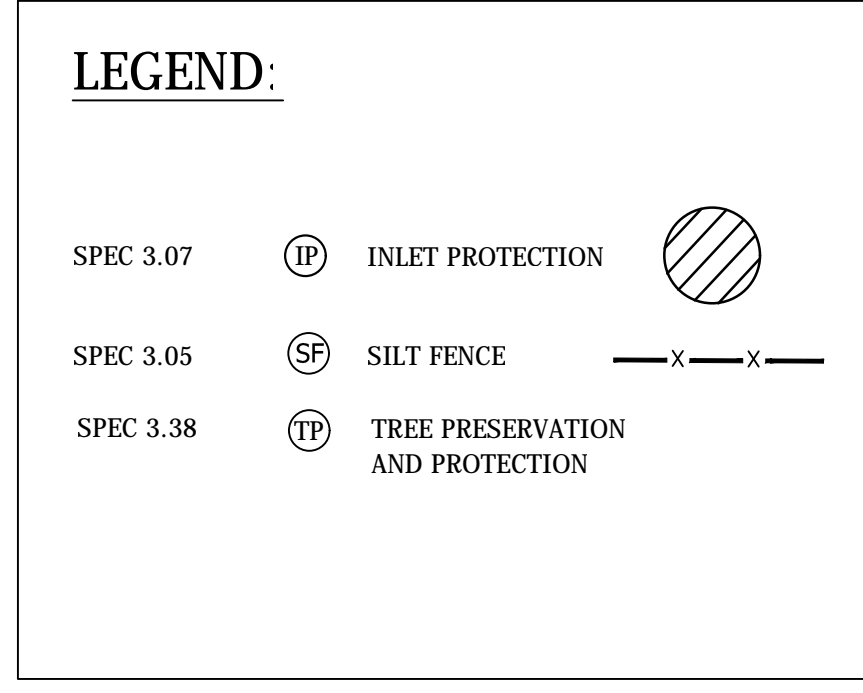
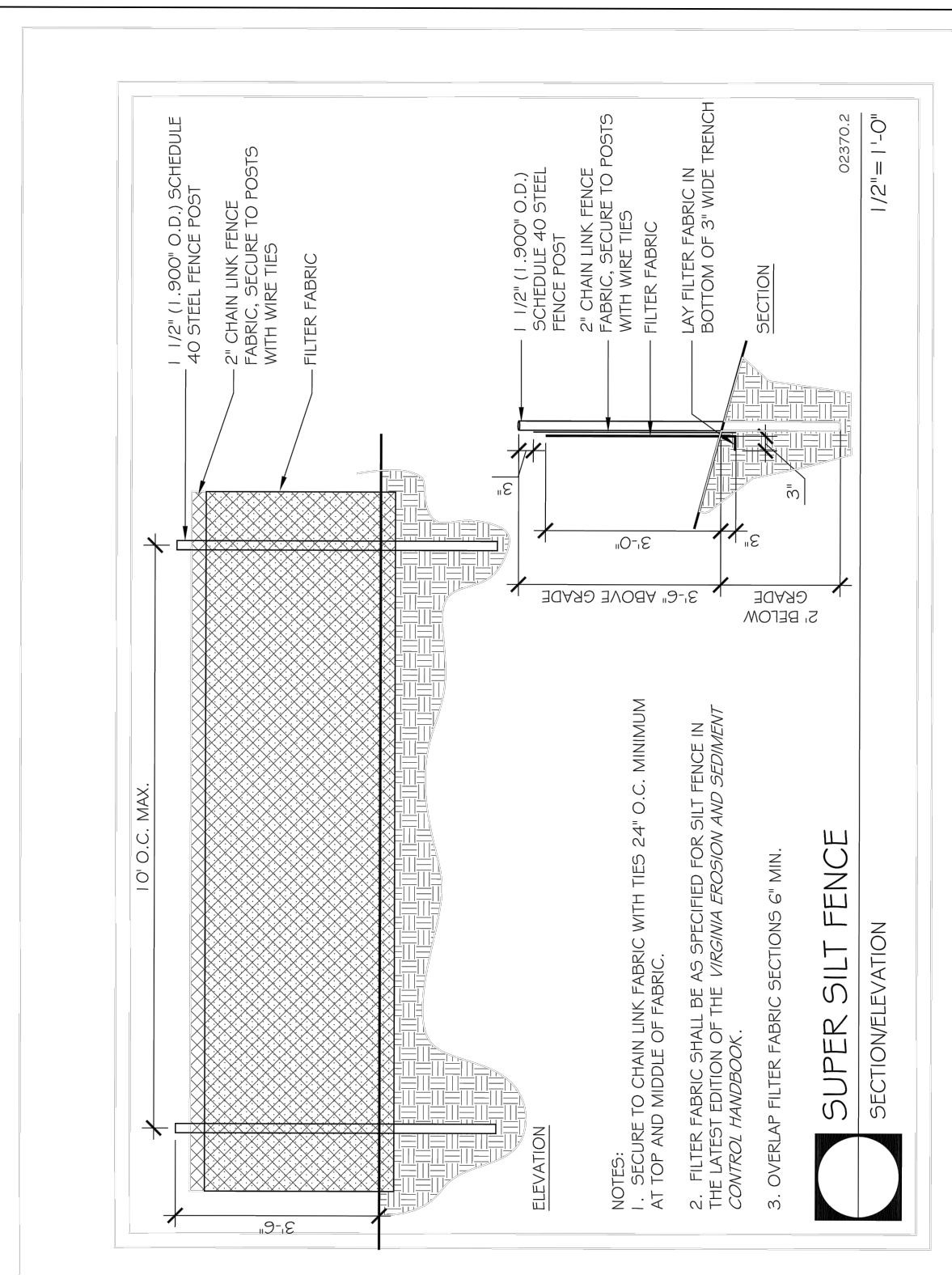


SHEET

5 OF 13



NOTE:  
LIMIT OF DISTURBED AREA= 1201 S.FT.



Project Detail Page 1 of 1

Arlington, Virginia - Capital Improvement Program

Home | Programs | Projects | Project Groups | IPR | Reports | Utilities

Project Summary

Project Code	P14D	Current Phase (of 8)	3. Planning
Project Name	BB Corridor High Priority Accessibility Improvements	Current Status	Active
Program	WALK/ACCESS	Plan Start Date	1/2/2013
Project Type	Sidewalk Reconstruction	Plan End Date	11/4/2014
Project Manager	De La Cruz, Luis J.	Projected Months	50 months
Neighborhood	De La Cruz, Luis J.	Current Duration	Internal
Citizen Review Needed:	No	Design Source	Design Team
Description:	Reconstruction of sidewalk and crosswalks at approximately 24 locations in the BB Corridor in Arlington. Work is to be done in long existing crosswalks up to ADA standards through installation of appropriate curb ramps and landing areas. Some locations include ADA compliant curb ramps and sidewalk areas. Work also includes construction of curb extensions (curbs), installation of existing features such as fire hydrants, sign poles and drainage inlets. Design will vary based upon location. A few locations will require VDOT permits for work on State roads.	Next Step	Team: 561 - H&A Quach
Next Action by:	Monthly Progress Status	Work Types	Include on County website?
Submitted	12/4/2012	Reviewed	12/14/2012
Review Status	Approved	Web Status	View

Project Review Sessions (Click on a date to see more detail on the project review session.)

Date	User	Comment
1/23/2014	web	Approved
1/23/2014	web	Approved
1/23/2014	web	Approved

Project Comments

Date	User	Type	Comment
1/23/2014	web	Budget	No change from previous period
1/23/2014	web	Schedule	No change from previous period
1/23/2014	web	Scope	No change from previous period

Project Contacts

Role	Name	Work Phone	Email Address	Entered On
Project Manager	De La Cruz, Luis J.	3699	luc@arlingtonva.gov	5/9/2013
Project Manager (other)	Luis J. Cruz		luc@arlingtonva.gov	5/9/2013

Project Files

Seq.	File Type	File Path or Web Address
1	Document	\\ARLINGTONVA\Information and Walk\Arington\Implementation\BB Corridor\BB Corridor.dwg

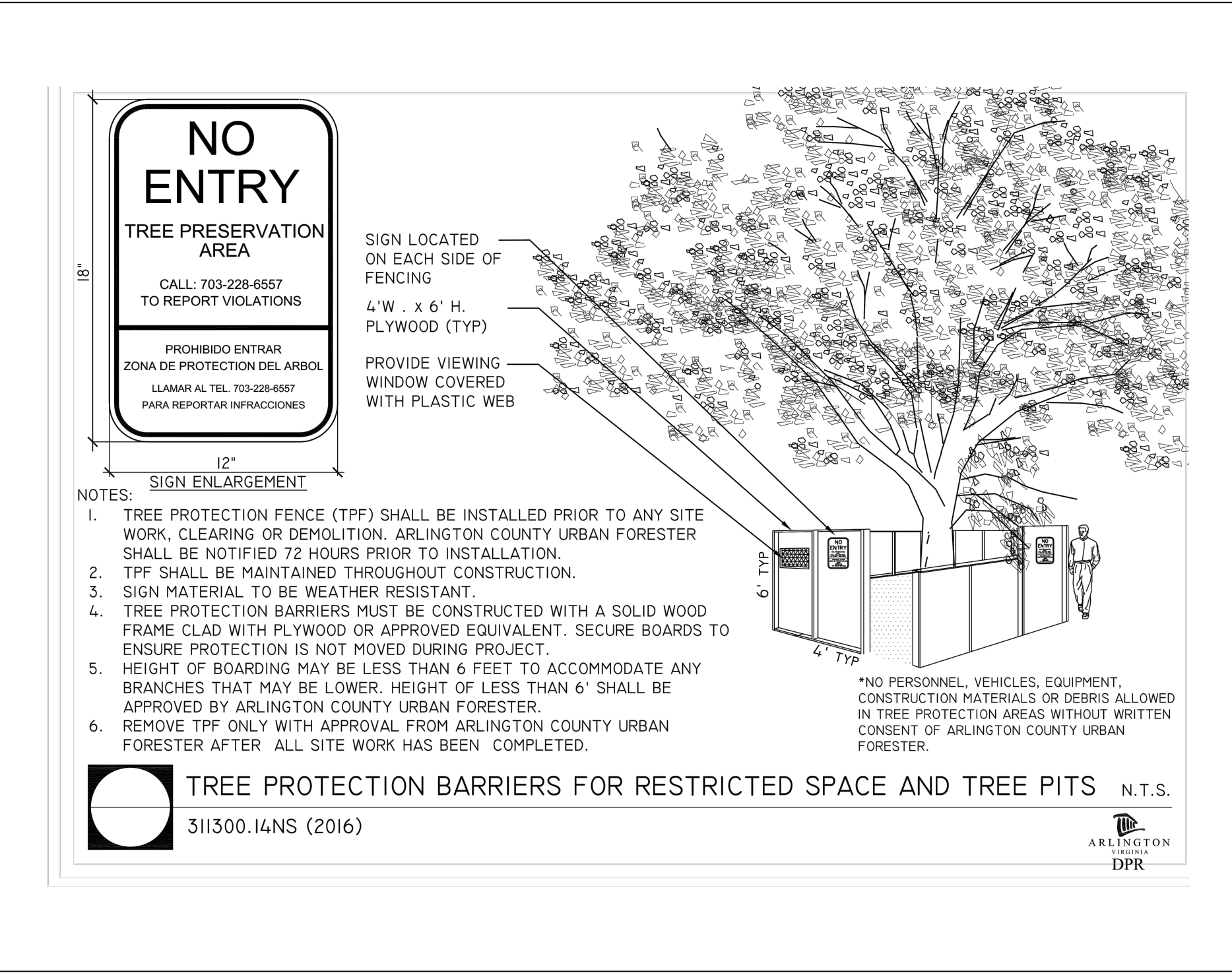
Status Flags

Status Flag	Entered On	Comment
Active	1/15/2013	1/2/13 - Added project to Engineering Schedule on 1/2/13
Failed	12/10/2012	
Initial Project Request	11/6/2012	

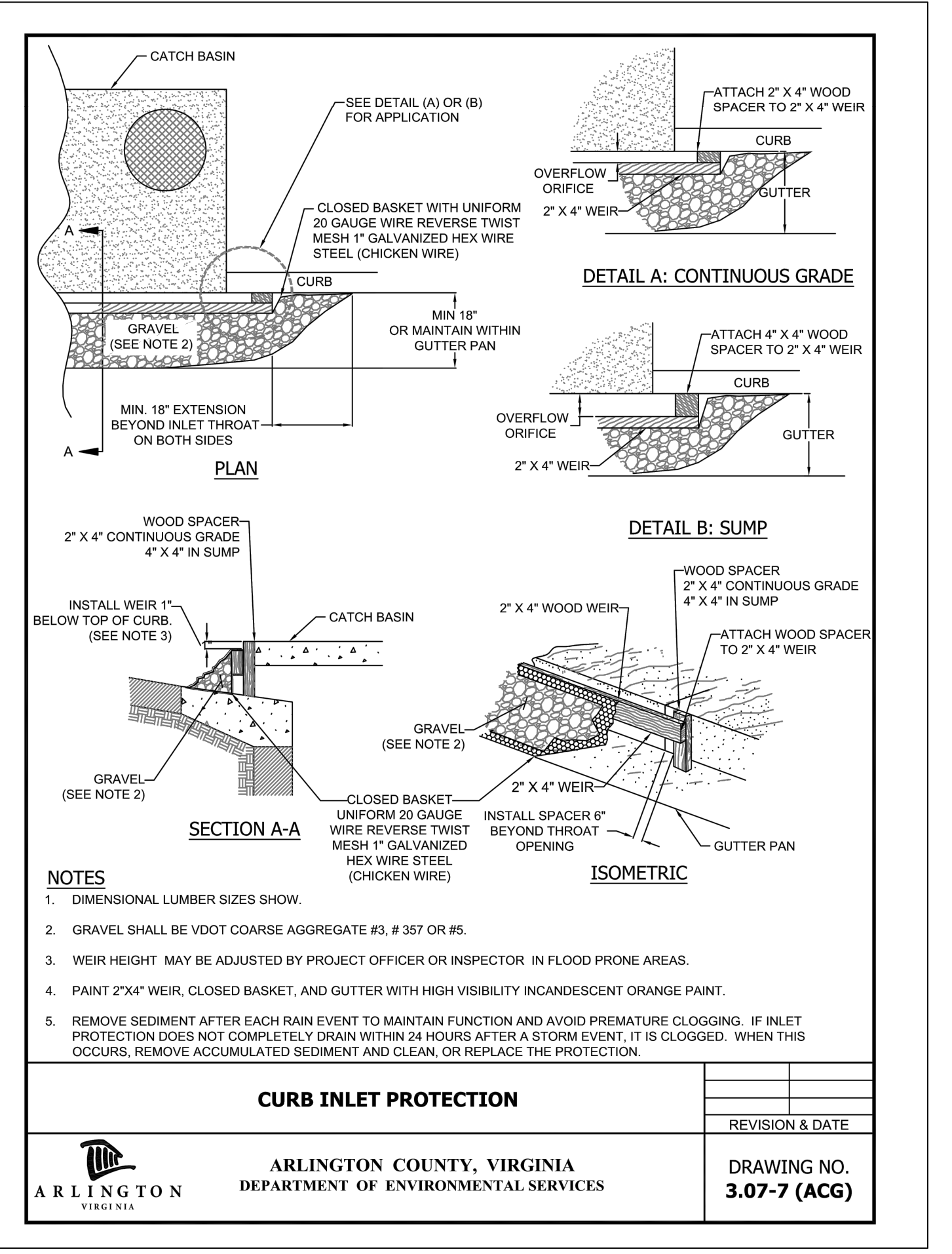
Related Projects/Groups

Group Name	Group Type	Project Names

http://captrack.arlingtonva.us/ProjectDetailMain.aspx?Proj\_Id=3494 03/09/2017



- NOTES:**
- 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
  - CONTRACTOR TO PROTECT TREES PER THE PLAN ACCORDING TO THE ARLINGTON COUNTY DPR DESIGN STANDARD DETAIL 02231.1
  - 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
  - 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.
  - CONTRACTOR TO CONTACT THE ASSIGNED CONSTRUCTION MANAGEMENT SPECIALIST ON THE LDA PERMITS FROM THE DEVELOPMENT SERVICE BUREAU BEFORE START OF CONSTRUCTION



**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

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

**SEAL**

ARLINGTON COUNTY HEALTH OFFICER

PETER J. RUBY JR.

1/6 No. 133746

3/7/19

**APPROVALS DATE**

CONSTRUCTION SUPERVISOR

WATER, SEWER, STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

**REVISIONS DATE**

**PROJECT NAME AND LOCATION**

N. GLEBE RD. @ 11TH ST. N.

**EROSION AND SEDIMENT CONTROL PLAN**

N. GLEBE RD. @ 11TH ST. N.

NE & SE CORNER AT INTERSECTION

DESIGNED: K. PATEL

DRAWN: K. PATEL

CHECKED: P. RIGBY

MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-5 - 224-E AND \_S.PLAN.DWG

PATH: Q:\DATA\PLANS\_BB CORRIDOR IMPROVEMENTS\SITE B-5 N GLEBE ROAD @ 11TH STREET (ROAD PRELIM) ACTIVE

PLOTTED: MARCH 4 2019

PLOTTED BY: K.PATEL

**SCALE: AS NOTED**

GRAPHIC SCALE

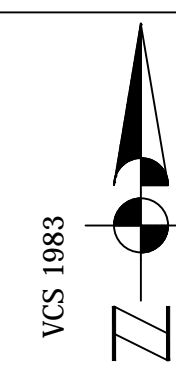
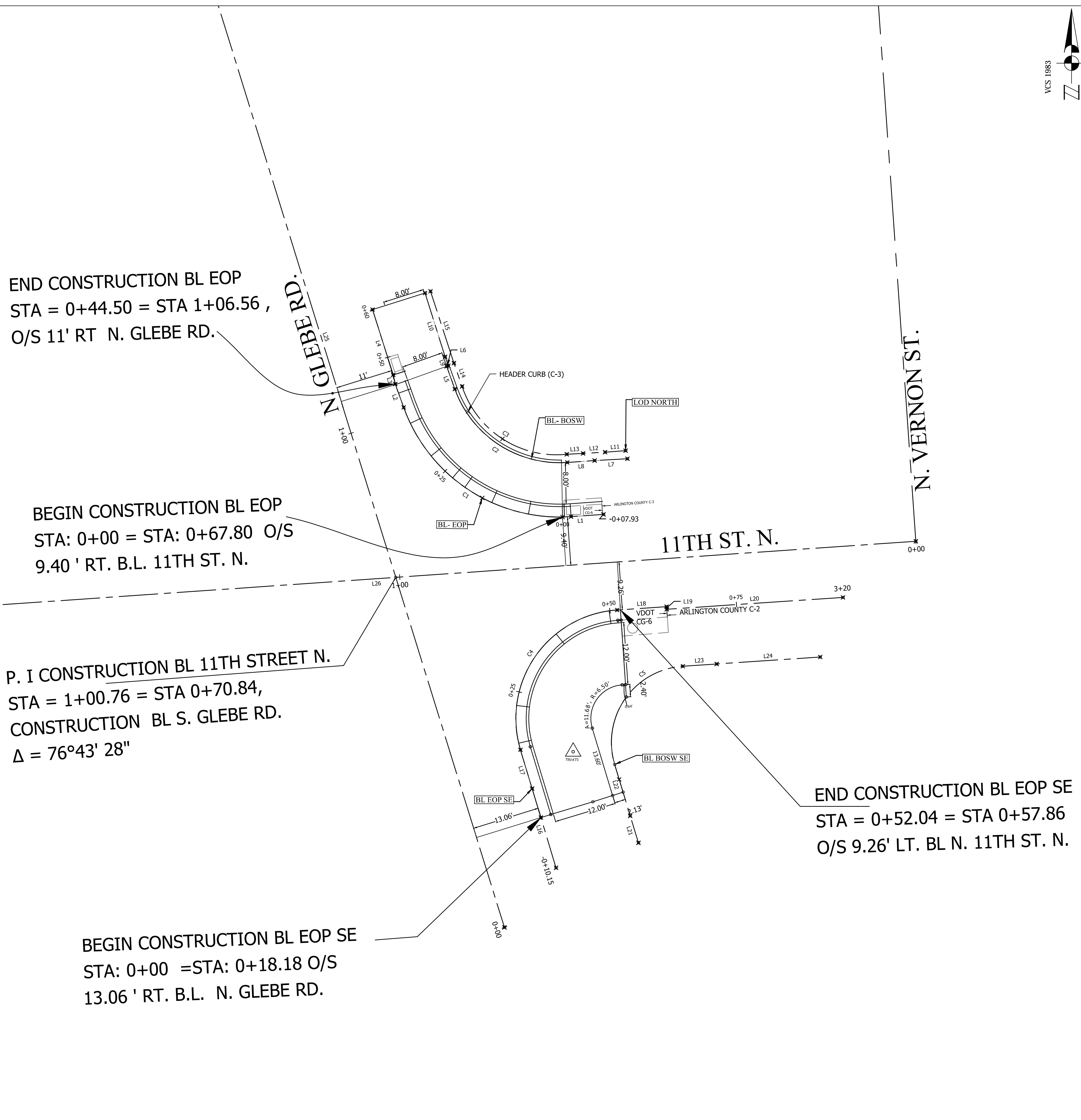
25 0 25

SCALE: 1" = 25'

**SHEET**

6 OF 13

N. GLEBE RD. @ 11TH ST. N.



BL- EOP							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C1	41.47	32.00	N56° 52' 17.30"W	-0+01.66	0+39.82	7007827.93, 11876798.46	7007849.04, 11876766.11
L1	6.28		S85° 59' 56.00"W	-0+07.93	-0+01.66	7007828.37, 11876804.72	7007827.93, 11876798.46
L2	4.81		N19° 44' 30.59"W	0+39.82	0+44.63	7007849.04, 11876766.11	7007853.57, 11876764.48
L3	1.81		N12° 52' 37.76"W	0+44.63	0+46.44	7007853.57, 11876764.48	7007855.34, 11876764.08
L4	13.23		N17° 31' 57.23"W	0+46.44	0+59.67	7007855.34, 11876764.08	7007867.95, 11876760.10

BL- BOSW							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C2	27.87	21.50	N56° 52' 17.30"W	0+11.64	0+39.51	7007838.40, 11876797.73	7007852.59, 11876775.99
L5	4.68		N19° 44' 30.59"W	0+39.51	0+44.18	7007852.59, 11876775.99	7007856.99, 11876774.41
L6	0.34		N70° 15' 29.41"E	0+44.18	0+44.53	7007856.99, 11876774.41	7007857.11, 11876774.73
L7	6.35		S86° 51' 35.21"W	0+00.00	0+06.35	7007839.12, 11876809.35	7007838.77, 11876803.01
L8	5.30		S85° 59' 56.00"W	0+06.35	0+11.64	7007838.77, 11876803.01	7007838.40, 11876797.73
L9	1.82		N19° 44' 30.59"W	0+44.53	0+46.35	7007857.11, 11876774.73	7007858.82, 11876774.12
L10	12.93		N17° 26' 54.13"W	0+46.35	0+59.27	7007858.82, 11876774.12	7007871.15, 11876770.24

LOD NORTH							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C3	26.07	19.19	N57° 03' 23.10"W	0+11.39	0+37.46	7007839.99, 11876797.63	7007853.10, 11876777.40
L11	3.98		S85° 36' 30.58"W	0+00.00	0+03.98	7007840.69, 11876809.00	7007840.39, 11876805.04
L12	4.26		S86° 54' 49.53"W	0+03.98	0+08.24	7007840.39, 11876805.04	7007840.16, 11876800.79
L13	3.16		S86° 54' 49.53"W	0+08.24	0+11.39	7007840.16, 11876800.79	7007839.99, 11876797.63
L14	4.77		N19° 19' 37.00"W	0+37.46	0+42.23	7007853.10, 11876777.40	7007857.60, 11876775.82
L15	14.60		N18° 03' 51.49"W	0+42.23	0+56.84	7007857.60, 11876775.82	7007871.49, 11876771.29

BL EOP SE							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C4	37.74	21.00	N34° 40' 40.95"E	0+13.68	0+51.41	7007782.87, 11876788.67	7007809.89, 11876807.37
L16	16.00		N16° 48' 01.28"W	-0+10.15	0+05.85	7007760.06, 11876795.56	7007775.38, 11876790.94
L17	7.82		N16° 48' 01.28"W	0+05.85	0+13.68	7007775.38, 11876790.94	7007782.87, 11876788.67
L18	9.58		N86° 09' 23.17"E	0+51.41	0+60.99	7007809.89, 11876807.37	7007810.53, 11876816.93
L19	0.50		S3° 52' 40.85"E	0+60.99	0+61.49	7007810.53, 11876816.93	7007810.03, 11876816.96
L20	34.13		N86° 09' 23.17"E	0+61.49	0+95.62	7007810.03, 11876816.96	7007812.32, 11876851.02

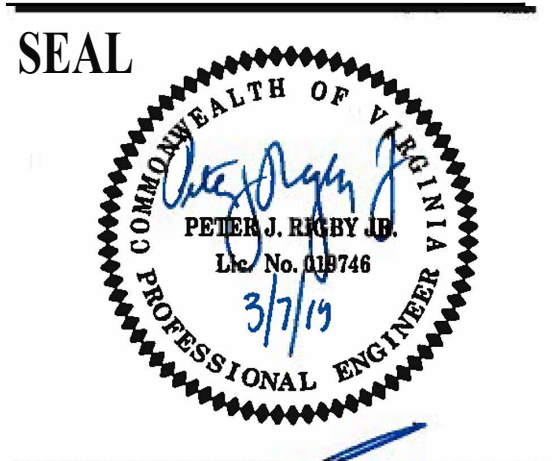
BL BOSW SE							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
C5	26.52	14.75	N34° 38' 19.98"E	0+05.65	0+32.18	7007780.01, 11876806.88	7007799.01, 11876820.01
L21	5.45		N17° 00' 48.52"W	-0+10.15	-0+04.70	7007764.89, 11876811.48	7007770.11, 11876809.89
L22	10.35		N16° 52' 27.02"W	-0+04.70	0+05.65	7007770.11, 11876809.89	7007780.01, 11876806.88
L23	6.62		N86° 09' 06.98"E	0+32.18	0+38.79	7007799.01, 11876820.01	7007799.46, 11876826.61
L24	20.06		N86° 09' 06.98"E	0+38.79	0+58.85	7007799.46, 11876826.61	7007800.80, 11876846.62

BL_ N GLEBE RD							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
L25	238.44		N17° 14' 47.16"W	0+00.00	2+38.44	7007748.55, 11876785.58	7007976.26, 11876714.89

BL_ 11TH ST							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)
L26	200.00		S86° 01' 45.06"W	0+00.00	2+00.00	7007823.18, 11876865.10	7007809.33, 11876665.58

SURVEY CONTROL DATA				
Point #	Northing	Easting	Elevation	Raw Description
72	7008184.9115	11876667.0166	278.40	TR 72
73	7007782.4825	11876798.8515	269.31	TR 73
74	7008093.6104	11876596.8896	276.10	TRV74

**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



APPROVALS DATE  
 QUALITY CONTROL ENGINEER: [Signature] 03/14/19  
 CONSTRUCTION MANAGEMENT SUPERVISOR: [Signature] MAR 11 2019  
 WATER, SEWER, STREETS BUREAU CHIEF: [Signature] 4/2/19  
 TRANSPORTATION DIRECTOR: [Signature] 3/3/19  
 PROJECT MANAGER: [Signature] 3/12/19

REVISIONS DATE


PROJECT NAME AND LOCATION  
**N. GLEBE RD. @ 11TH ST. N.**  
**GEOMETRIC CONTROL**  
**N. GLEBE RD. @ 11TH ST. N.**  
**NE & SE CORNER AT INTERSECTION**

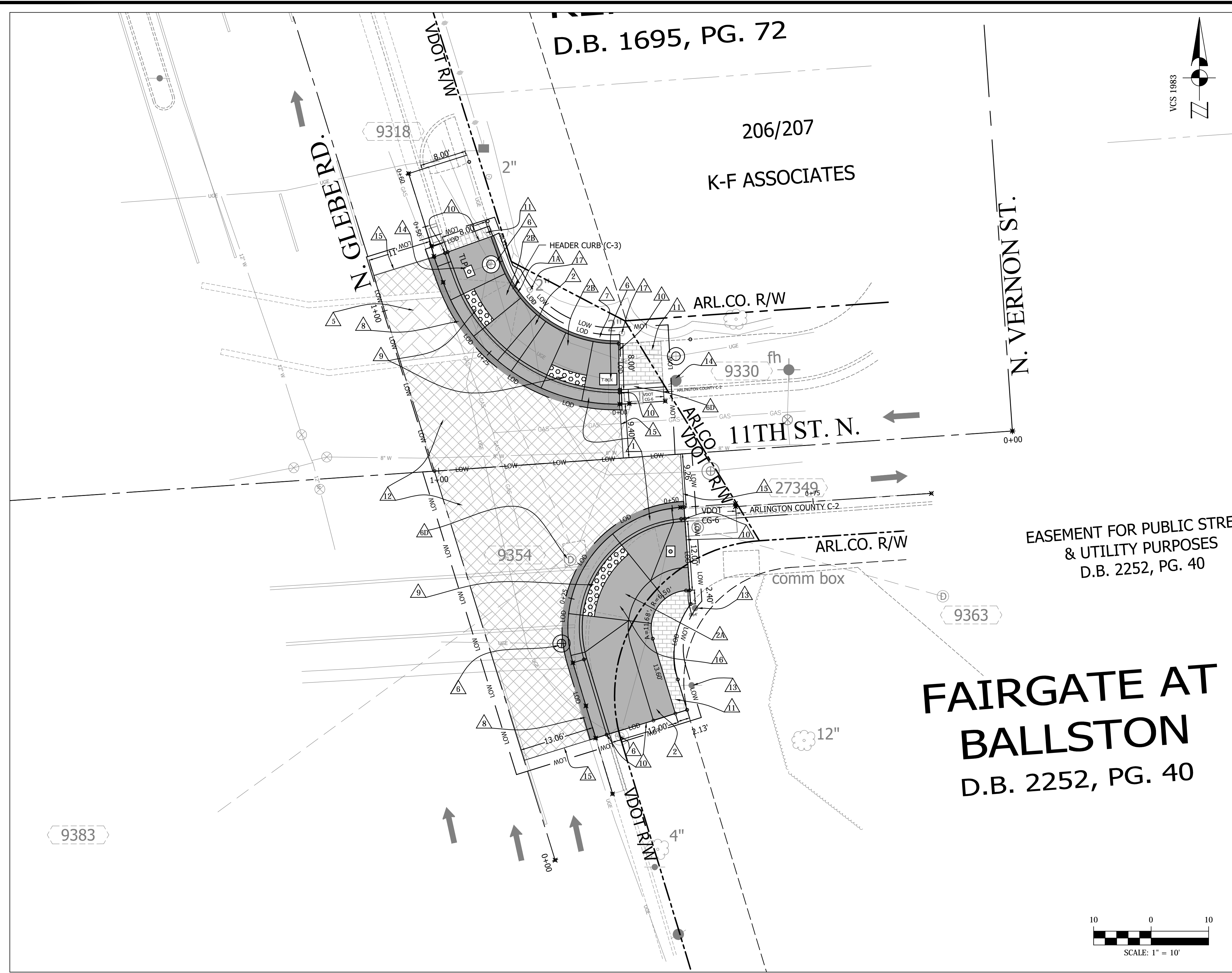
DESIGNED: K. PATEL  
 DRAWN: K. PATEL  
 CHECKED: P. RIGBY  
 MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D\_B-5-122-CORRIDOR.DWG  
 PATH: Q:\DATA\PLANS\18-CORRIDOR IMPROVEMENTS\SITE B-5-N GLEBE ROAD @ 11TH STREET\ROAD DESIGN\ACTIVE  
 PLOTTED: MARCH 4 2019  
 PLOTTED BY: K.PATEL

SCALE: AS NOTED

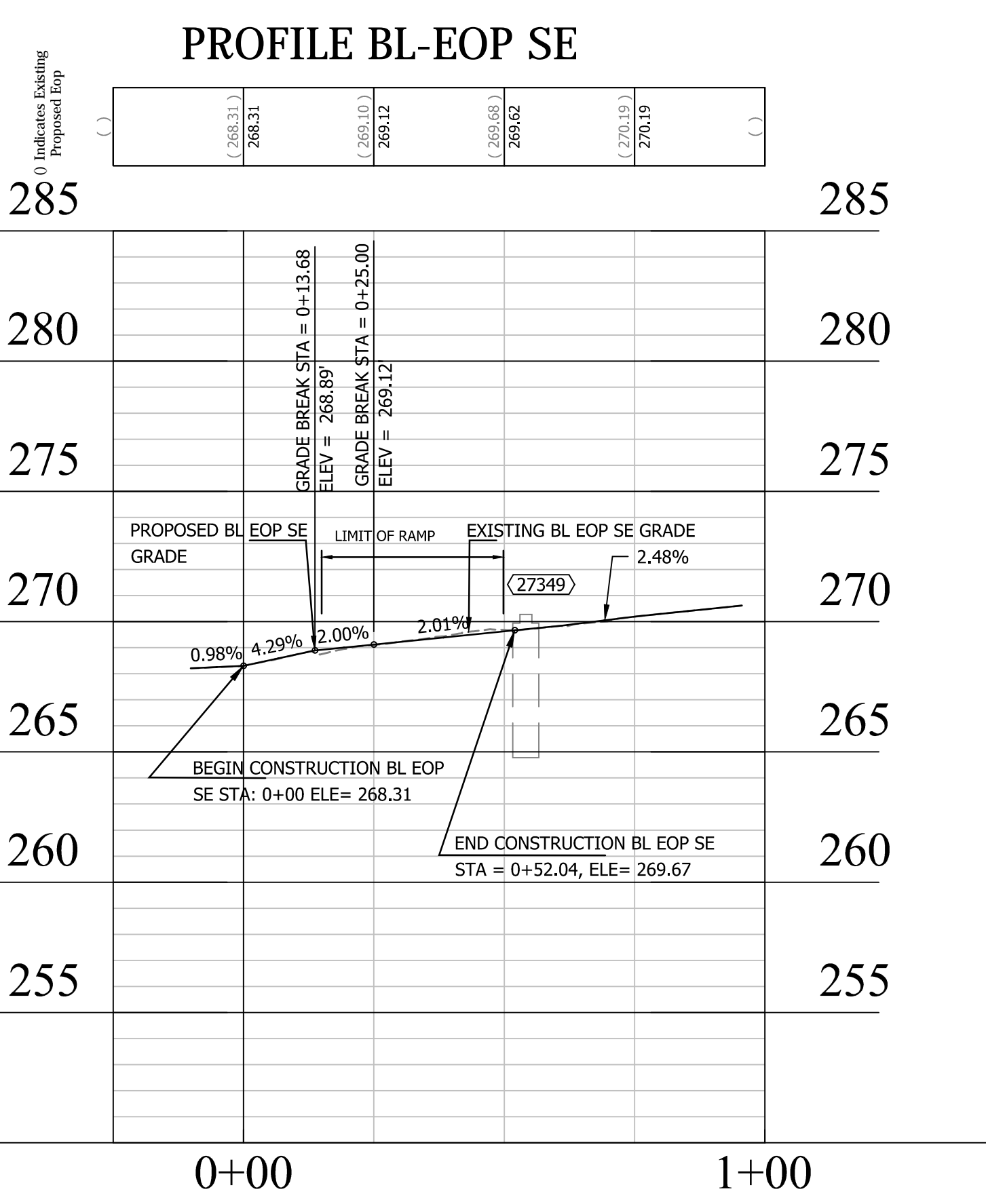
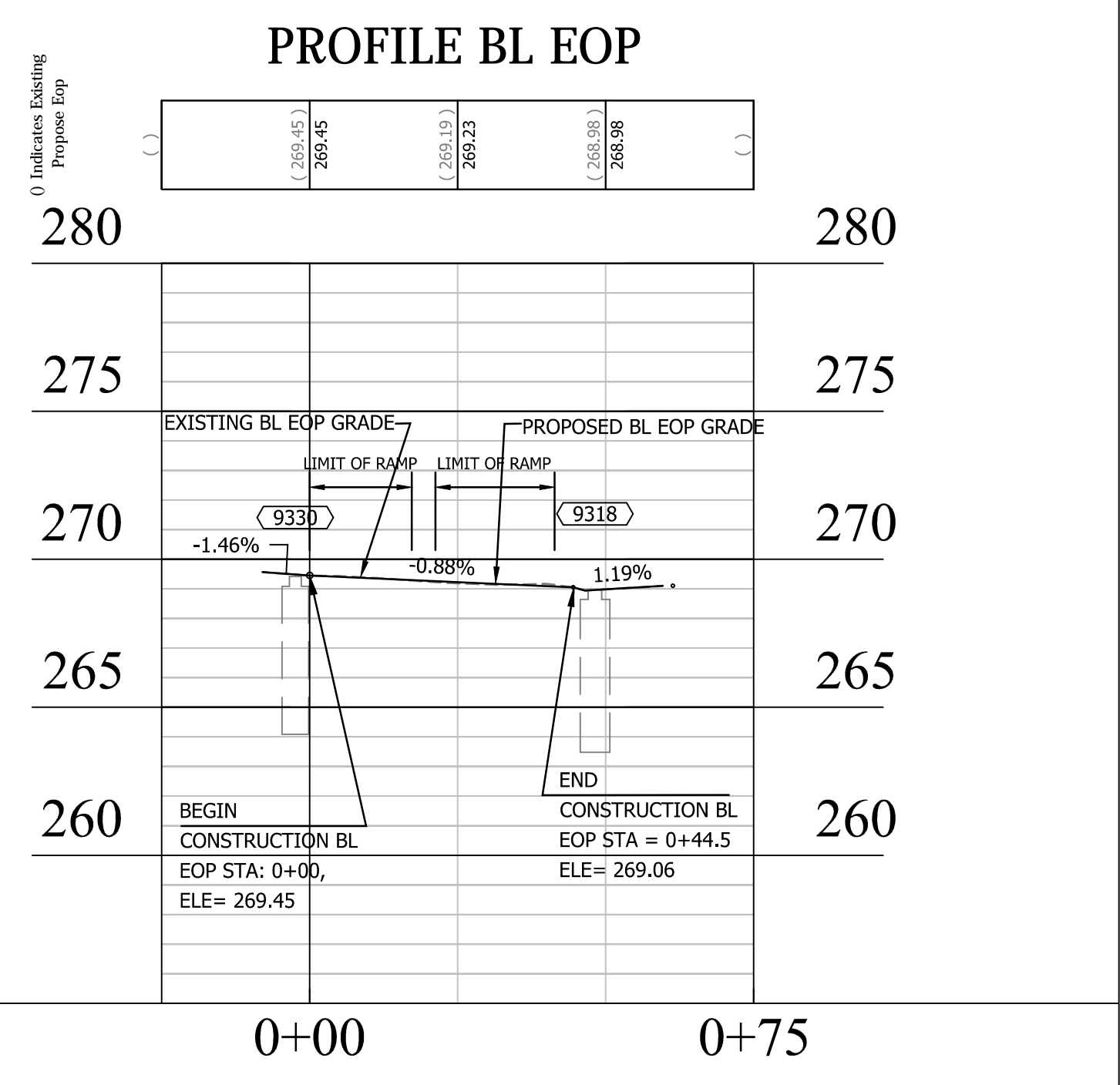
GRAPHIC SCALE  
 10 0 10  
 SCALE: 1" = 10'

SHEET  
 7 OF 13



**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

**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  
 COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



- CONSTRUCTION NOTES**
- 1. PROPOSED CURB AND GUTTER (CG-6) VDOT STANDARD (201.03)
  - 1A. NEW HEADER CURB (C-3) ARLINGTON COUNTY STANDARD (R-2.0)
  - 2. NEW CONCRETE SIDEWALK, 6" CLASS A3 (VDOT ROAD & BRIDGE STANDARDS (SECTION 504).
  - 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. REMOVE AND RESET CONCRETE PAVERS, (ARLINGTON COUNTY DETAIL R-2.6. INCLUDE ALL MATERIALS AS SHOWN IN DETAILS)
  - 6. UTILITY MANHOLE OR TRAFFIC BOX, VERTICAL ADJUSTMENT TO NEW GRADE. (ARLINGTON COUNTY DETAIL S-2.5 TYPE A)
  - 6A. ADJUST EXISTING STORM SEWER MH TOP OR RESET CONCRETE SLAB TO PROPOSED GRADE
  - 7. REMOVE AND RESET ORNAMENTAL STONES TO NEW GRADE, BEHIND THE CURB
  - 8. PROPOSED ASPHALT - FULL DEPTH REPLACEMENT AS PER TYPICAL VDOT STANDARD (SEE DETAILS ON SHEET 3 OF 13)
  - 9. PROPOSED DETECTABLE WARNING SURFACE DARK GRAY COLOR PER VDOT ROAD & BRIDGE STANDARDS (203.05).
  - 10. MATCH EXISTING T.O.C. OR SIDEWALK GRADE. (CLEAN LINE SAW CUT AND PAVER RESET WILL BE NEEDED.)

- 11. REPLACE & MATCH EXISTING SIDEWALK TO PROPOSED GRADE WITH LIKE MATERIAL
- 12. ASPHALT - MILL AND OVERLAY (1/2" TO 3") PER VDOT TYPICAL SECTION. (SEE DETAILS ON SHEET 3 OF 13)
- 13. PROTECT TRAFFIC CONTROL SIGNS, DURING CONSTRUCTION OF PROPOSED WORK, IF IMPACTED, CALL ARLINGTON COUNTY TRAFFIC DIVISION TO RELOCATE.
- 14. EXISTING STREET LIGHT / TRAFFIC POLE TO REMAIN.
- 15. PROVIDE CONSTRUCTION JOINT AS PER VDOT R&B, STD. 303.02, WP-2 (SEE DETAILS ON SHEET 3 OF 13)
- 16. ARLINGTON COUNTY TO MAINTAIN CURB RAMP
- 17. 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.

**SEAL**  
  
**APPROVALS**      **DATE**  
 QUALITY CONTROL ENGINEER: [Signature]      03/14/19  
 CONSTRUCTION MANAGEMENT SUPERVISOR: [Signature]      MAR 11 2019  
 WATER, SEWER, STREETS BUREAU CHIEF: [Signature]      4/2/19  
 TRANSPORTATION DIRECTOR: [Signature]      3/31/19  
 PROJECT MANAGER: [Signature]      3/12/19

**REVISIONS**      **DATE**

NO.	DESCRIPTION	DATE

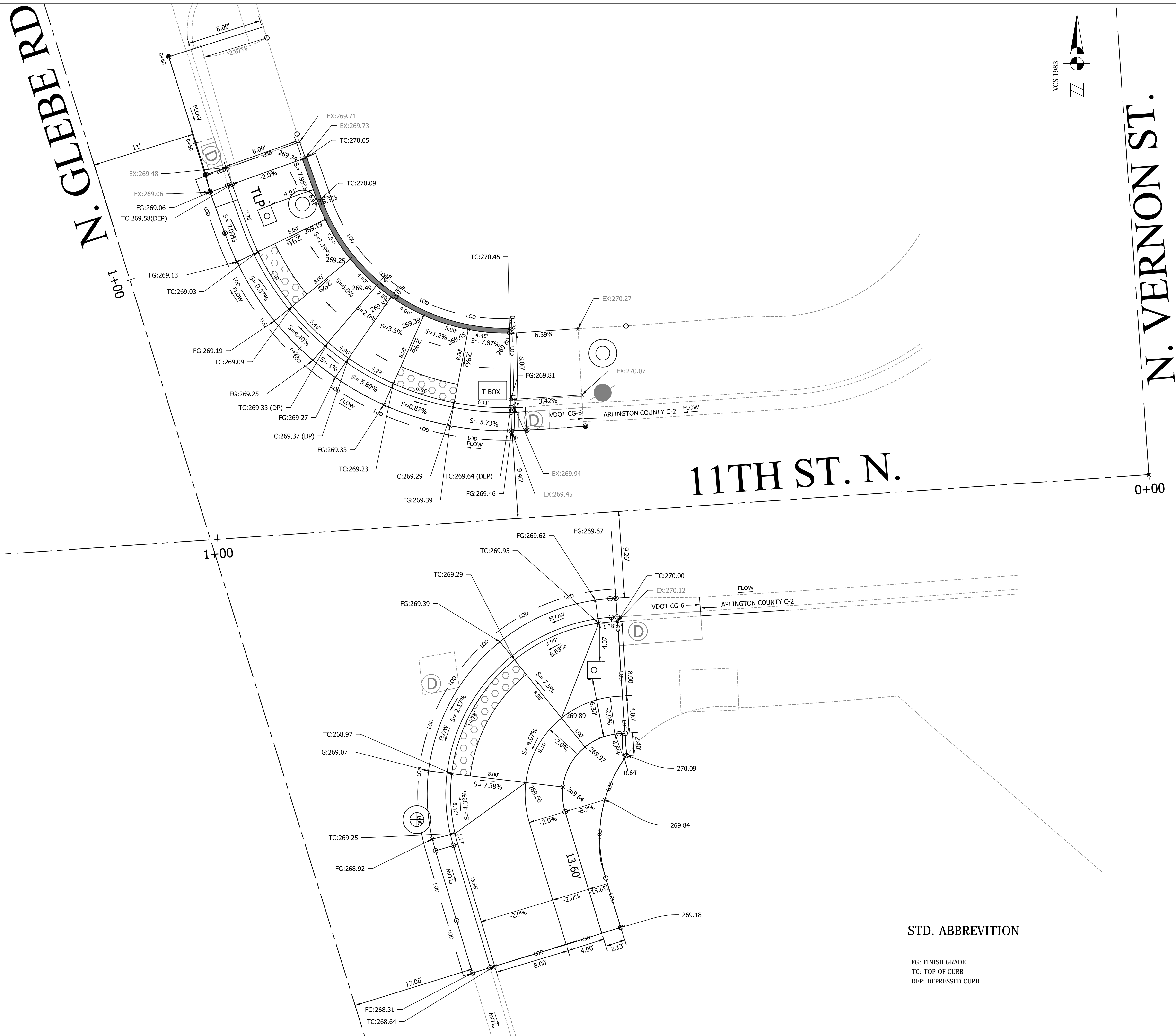
**PROJECT NAME AND LOCATION**  
 N. GLEBE RD. @ 11TH ST. N.  
**PLAN AND PROFILE**  
 N. GLEBE RD. @ 11TH ST. N.  
 NE & SE CORNER AT INTERSECTION

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

FILENAME: P14D\_B-5-122-CORRIDOR.DWG  
 PATH: Q:\DATA\PL\01\_08 CORRIDOR IMPROVEMENTS\01-5-N GLEBE ROAD & 11TH STREET\01-5-N GLEBE RD.DWG  
 PLOTTED: MARCH 5 2019  
 PLOTTED BY: K.PATEL

**SHEET**  
 SCALE: AS NOTED  
  
 VERT. SCALE: 1" = 5'





**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

APPROVALS DATE

QUALITY CONTROL ENGINEER: *[Signature]* 03/14/19

CONSTRUCTION MANAGEMENT SUPERVISOR: *[Signature]* MAR 11 2019

WATER, SEWER, STREETS BUREAU CHIEF: *[Signature]* 4/2/19

TRANSPORTATION DIRECTOR: *[Signature]* 3/13/19

PROJECT MANAGER: *[Signature]* 3/12/19

REVISIONS DATE

NO.	DESCRIPTION	DATE

PROJECT NAME AND LOCATION

N. GLEBE RD. @ 11TH ST. N.

RAMP DETAILS

N. GLEBE RD. @ 11TH ST. N.  
 NE & SE CORNER AT INTERSECTION

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

FILENAME: P14D\_B-5\_122-CORRIDOR.DWG  
 PATH: Q:\DATA\14D\_B-5 CORRIDOR IMPROVEMENTS\SITE B-5 N. GLEBE ROAD & 11TH STREET\14D\_B-5-122-CORRIDOR.DWG  
 PLOTTED: MARCH 5 2019  
 PLOTTED BY: KPATEL

SCALE: AS NOTED

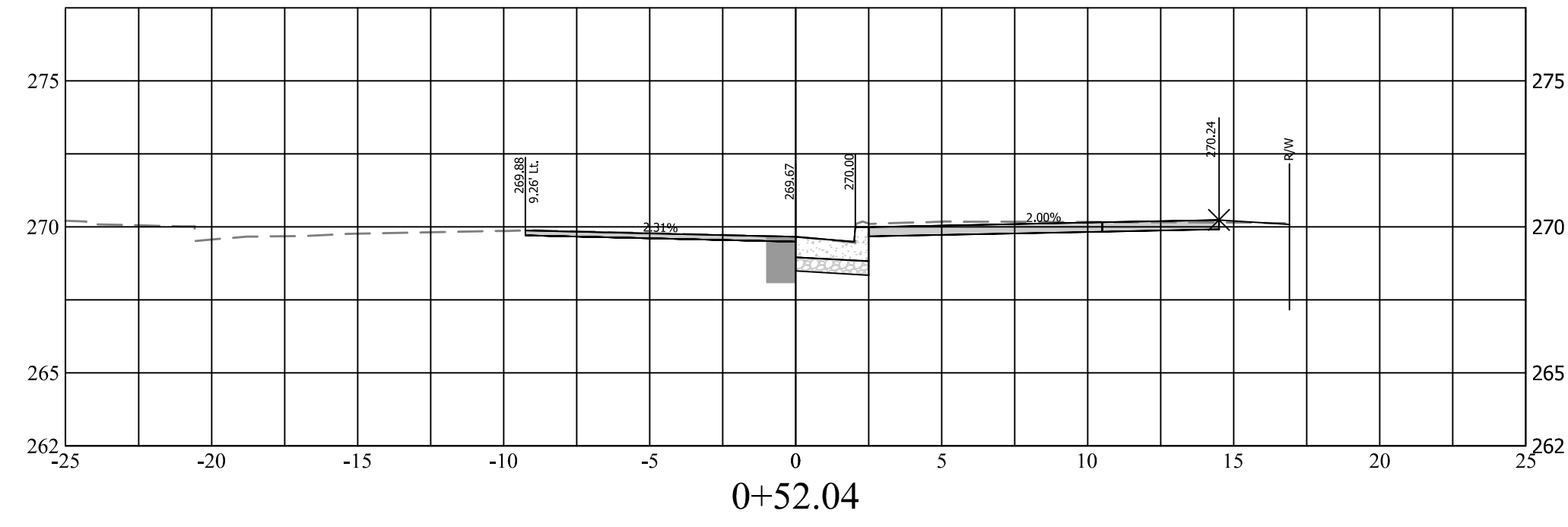
5 0 5  
 VERT. SCALE: 1" = 5'

SHEET 9 OF 13

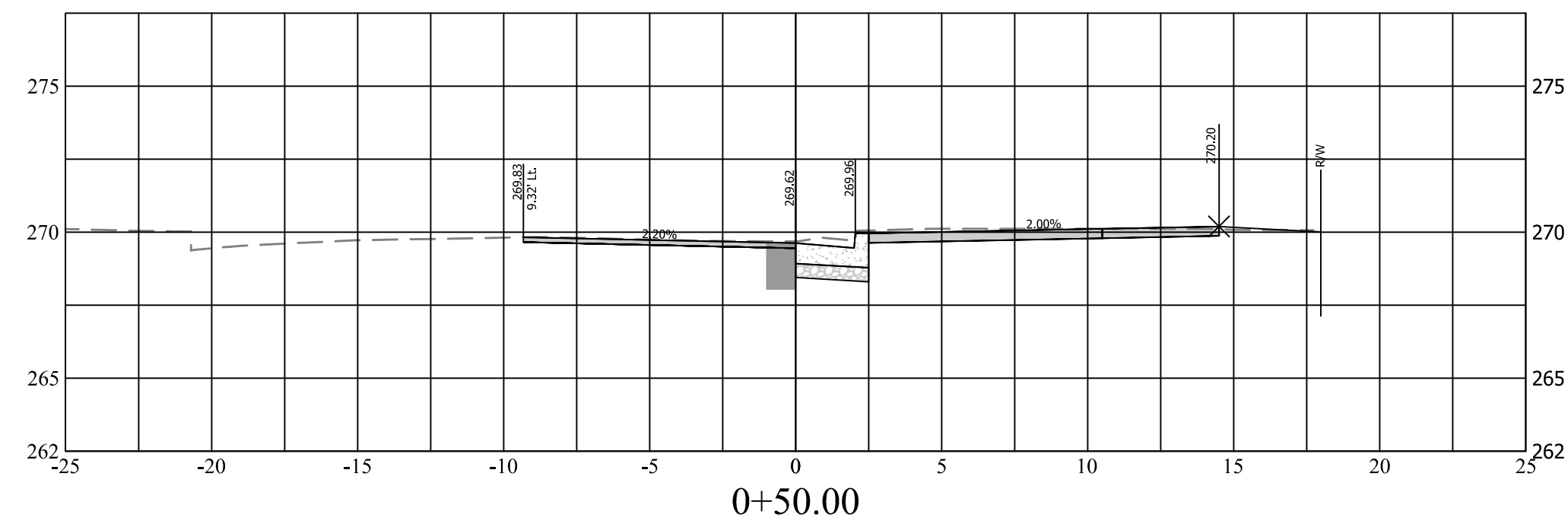
STD. ABBREVIATION

FG: FINISH GRADE  
 TC: TOP OF CURB  
 DEP: DEPRESSED CURB

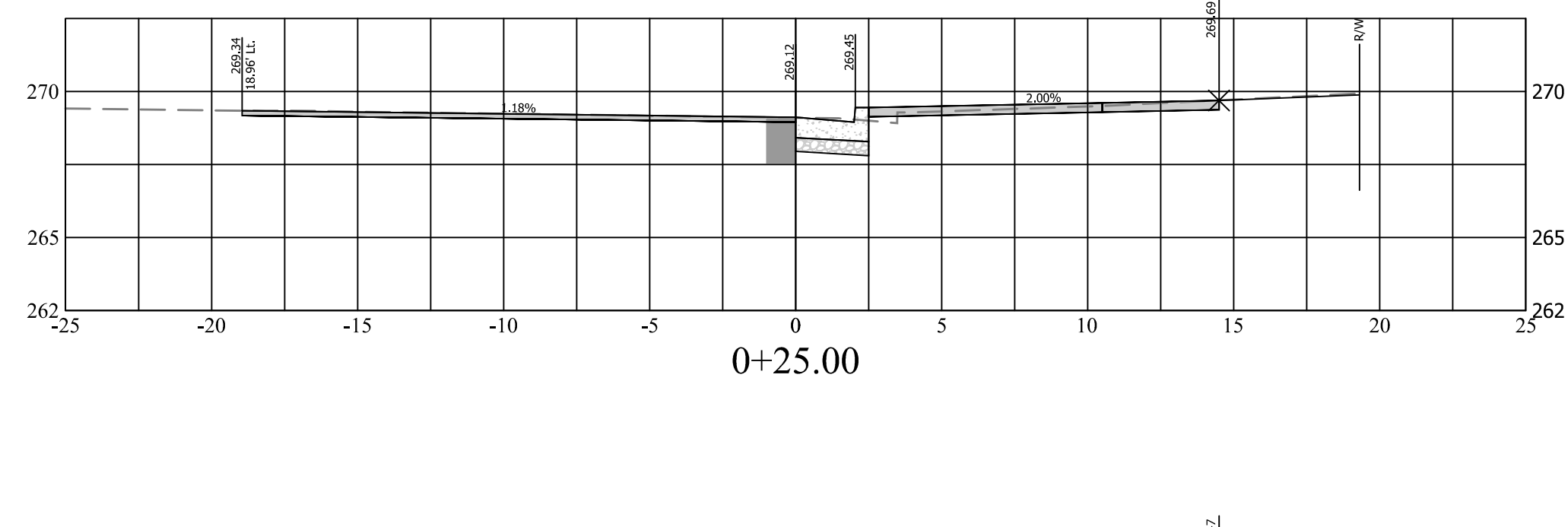
BL- EOP SE STATIONING



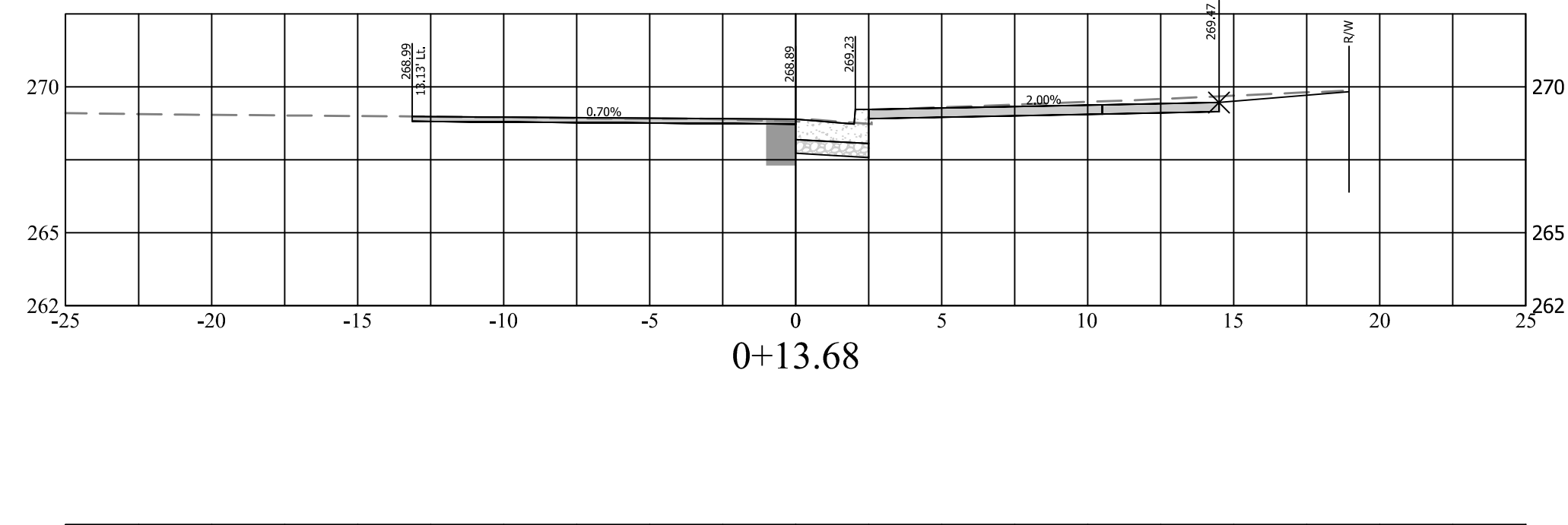
0+52.04



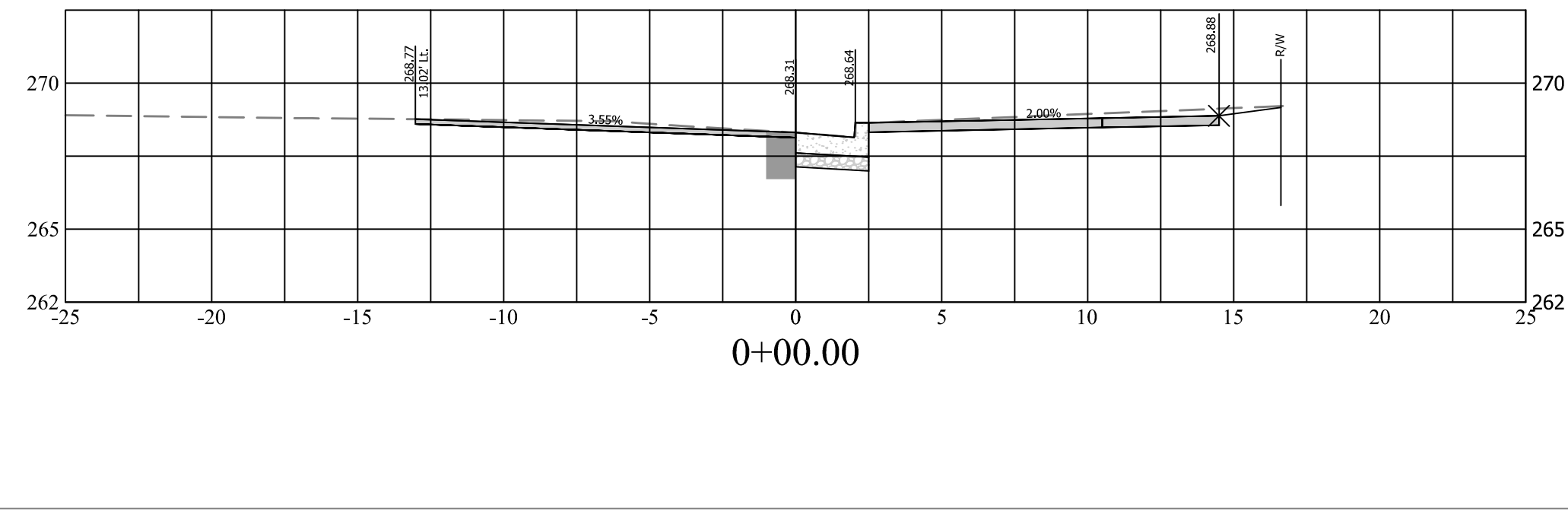
0+50.00



0+25.00

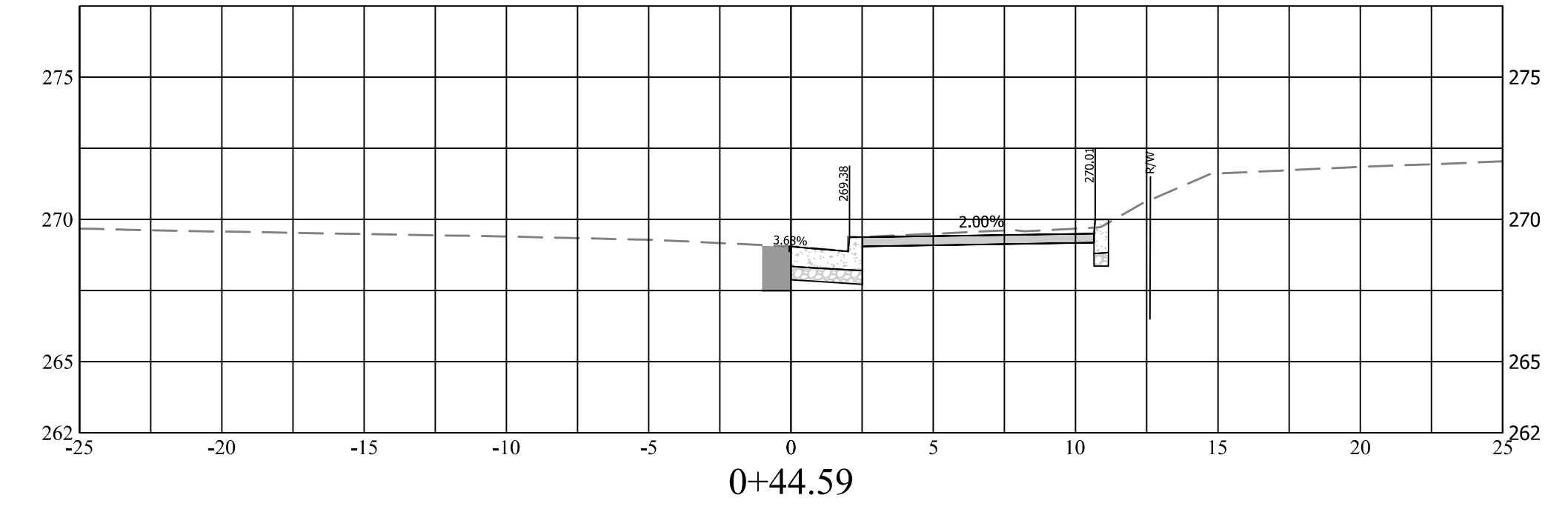


0+13.68

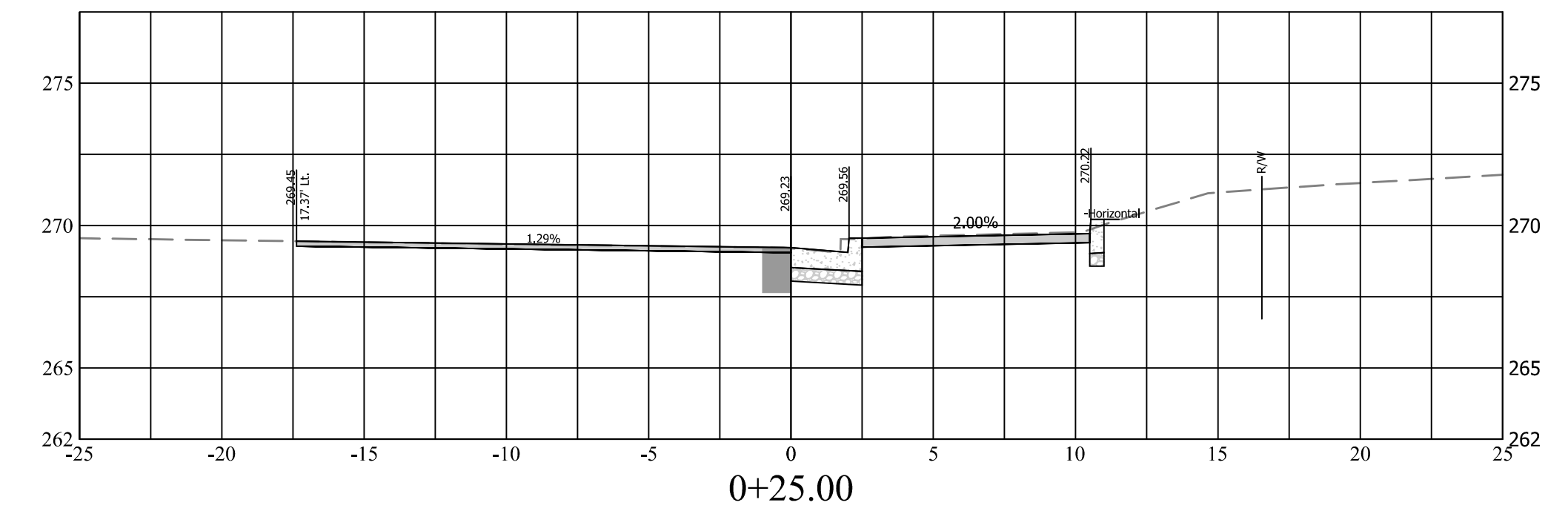


0+00.00

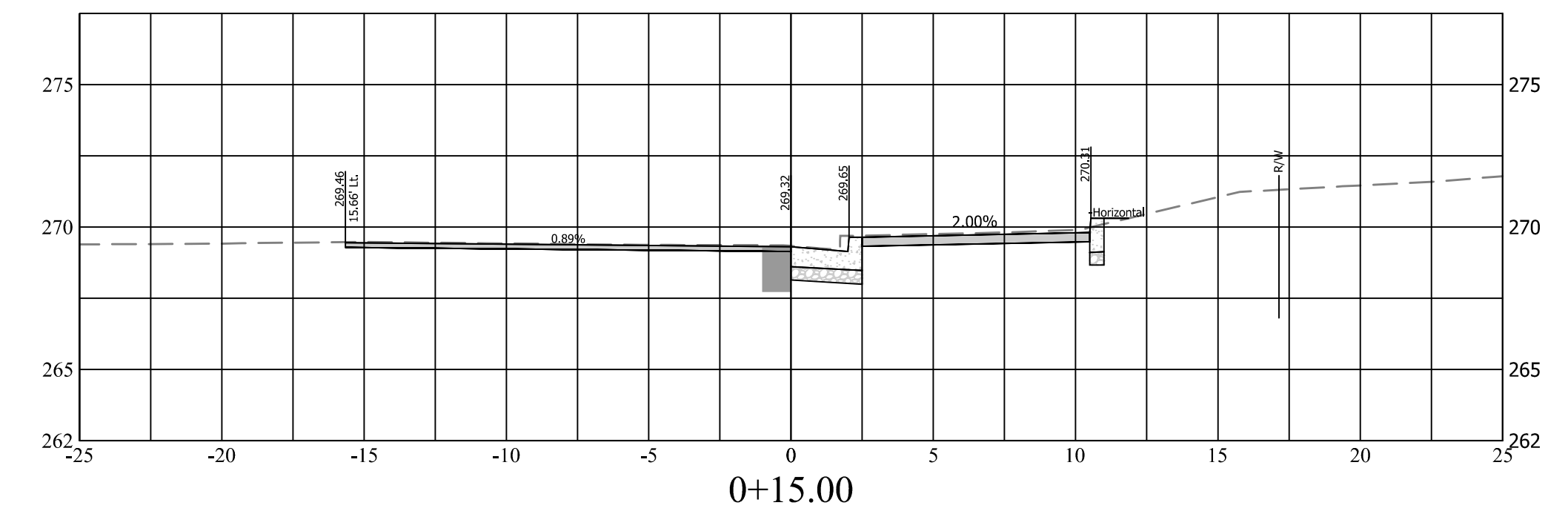
BL- EOP STATIONING



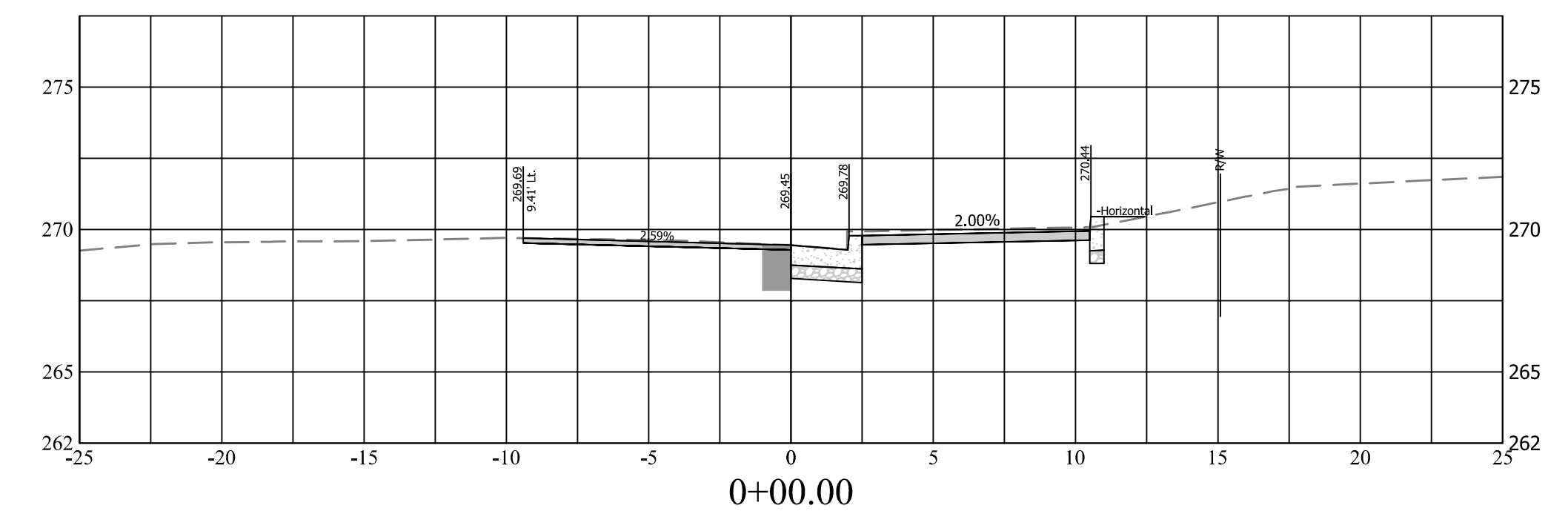
0+44.59



0+25.00



0+15.00

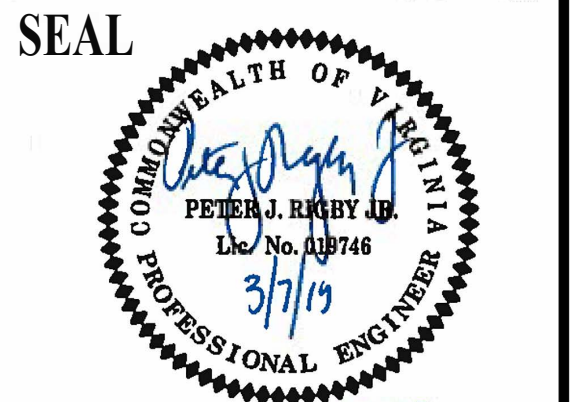


0+00.00



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

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



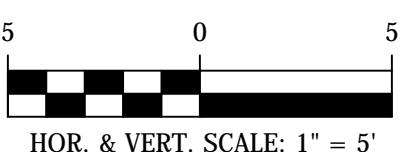
APPROVALS	DATE
<i>[Signature]</i>	03/14/19
QUALITY CONTROL ENGINEER	
<i>[Signature]</i>	MAR 11 2019
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	4/2/19
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	3/31/19
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	3/12/19
PROJECT MANAGER	

REVISIONS	DATE

PROJECT NAME AND LOCATION  
**N. GLEBE RD. @ 11TH ST. N.**  
 CROSS SECTIONS  
**N. GLEBE RD. @ 11TH ST. N.**  
**NE & SE CORNER AT INTERSECTION**  
 P14D

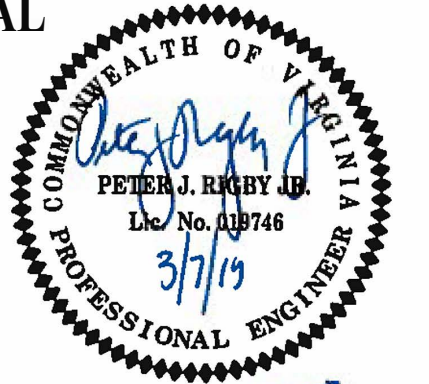
DESIGNED: K. PATEL  
 DRAWN : K. PATEL  
 CHECKED : P. RIGBY  
 MISS UTILITY TRANSMITTAL #: N/A  
 FILENAME: P14D\_B-5-122-CORRIDOR.DWG  
 PATH: Q:\DATA\PLANS - 88 CORRIDOR IMPROVEMENTS\SITE B-5-N GLEBE ROAD @ 11TH STREET ROAD IMPROVEMENTS  
 PLOTTED: MARCH 5 2019  
 PLOTTED BY: K.PATEL

SCALE: AS NOTED



SHEET

SEAL



APPROVALS	DATE
<i>[Signature]</i>	03/14/19
QUALITY CONTROL ENGINEER <i>[Signature]</i>	MAR 11 2019
CONSTRUCTION MANAGEMENT SUPERVISOR <i>[Signature]</i>	4/2/19
WATER, SEWER, STREETS BUREAU CHIEF <i>[Signature]</i>	3/3/19
TRANSPORTATION DIRECTOR <i>[Signature]</i>	3/12/19
PROJECT MANAGER	

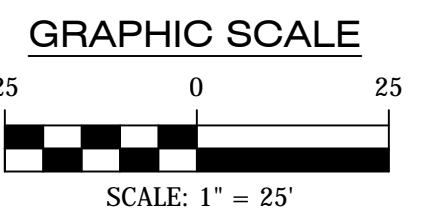
REVISIONS	DATE

PROJECT NAME AND LOCATION  
**N. GLEBE RD. @ 11TH ST. N.**  
**SIGNAGE AND STRIPING**  
**N. GLEBE RD. @ 11TH ST. N.**  
**NE & SE CORNER AT INTERSECTION**  
P14D

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

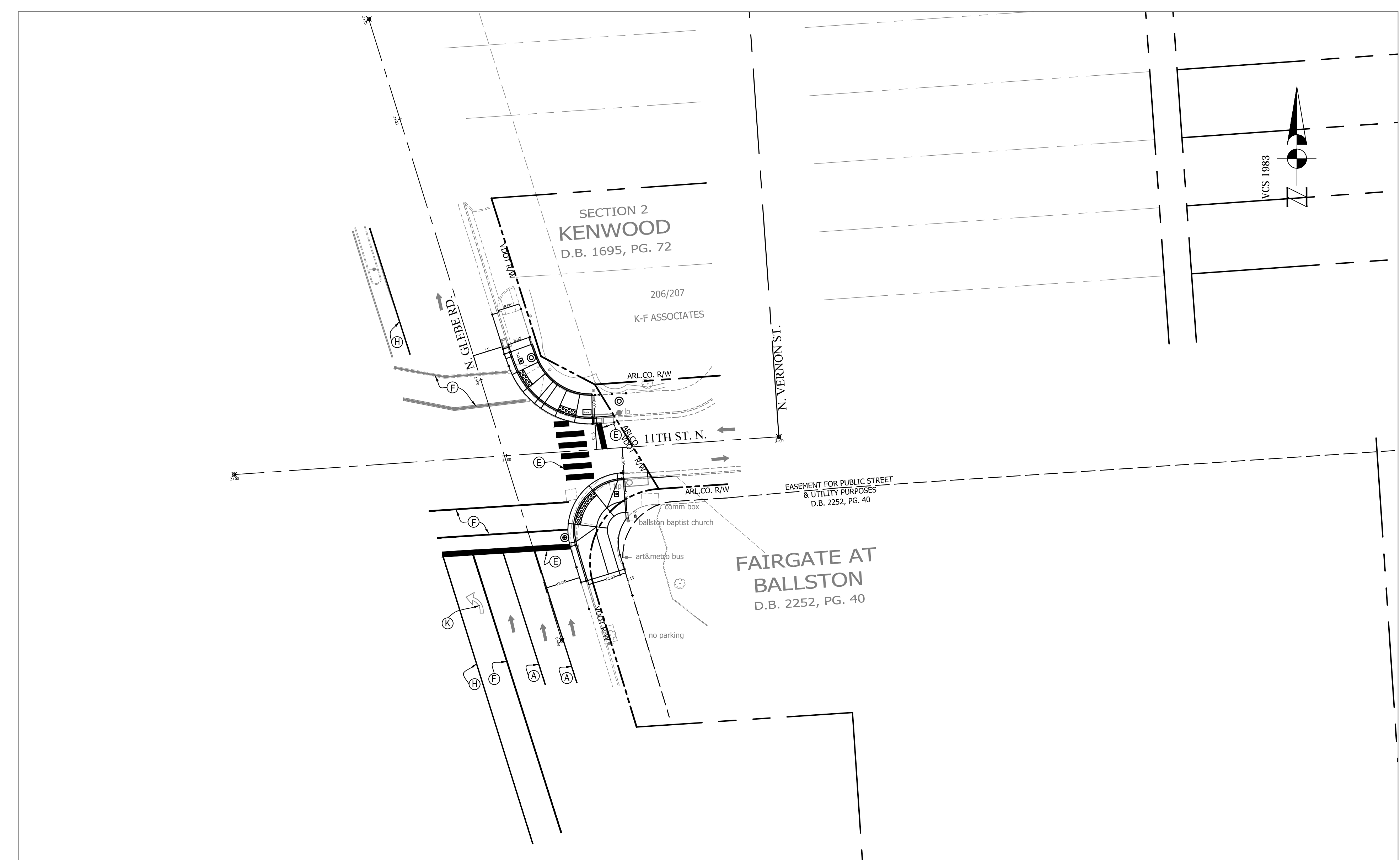
FILENAME: P14D\_B-5-122-CORRIDOR.DWG  
PATH: Q:\DATA\PL\14D\_B-5-CORRIDOR IMPROVEMENTS\SITE B-5-N GLEBE ROAD & 11TH STREET\ROAD DESIGN\ACTIVE  
PLOTTED: MARCH 4 2019  
PLOTTED BY: K.PATEL

SCALE: AS NOTED



SHEET

11 OF 13



All existing signage to remain unless otherwise noted.

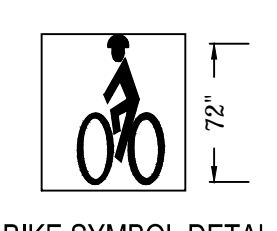
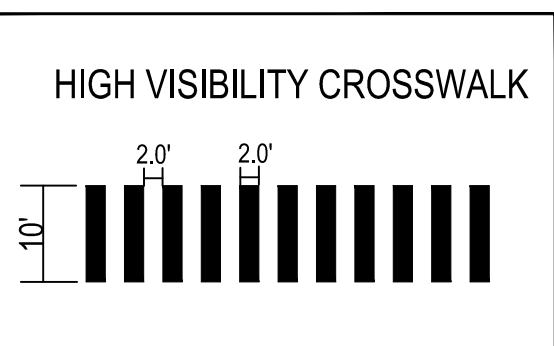
**STANDARD PAVEMENT MARKING LEGEND:**

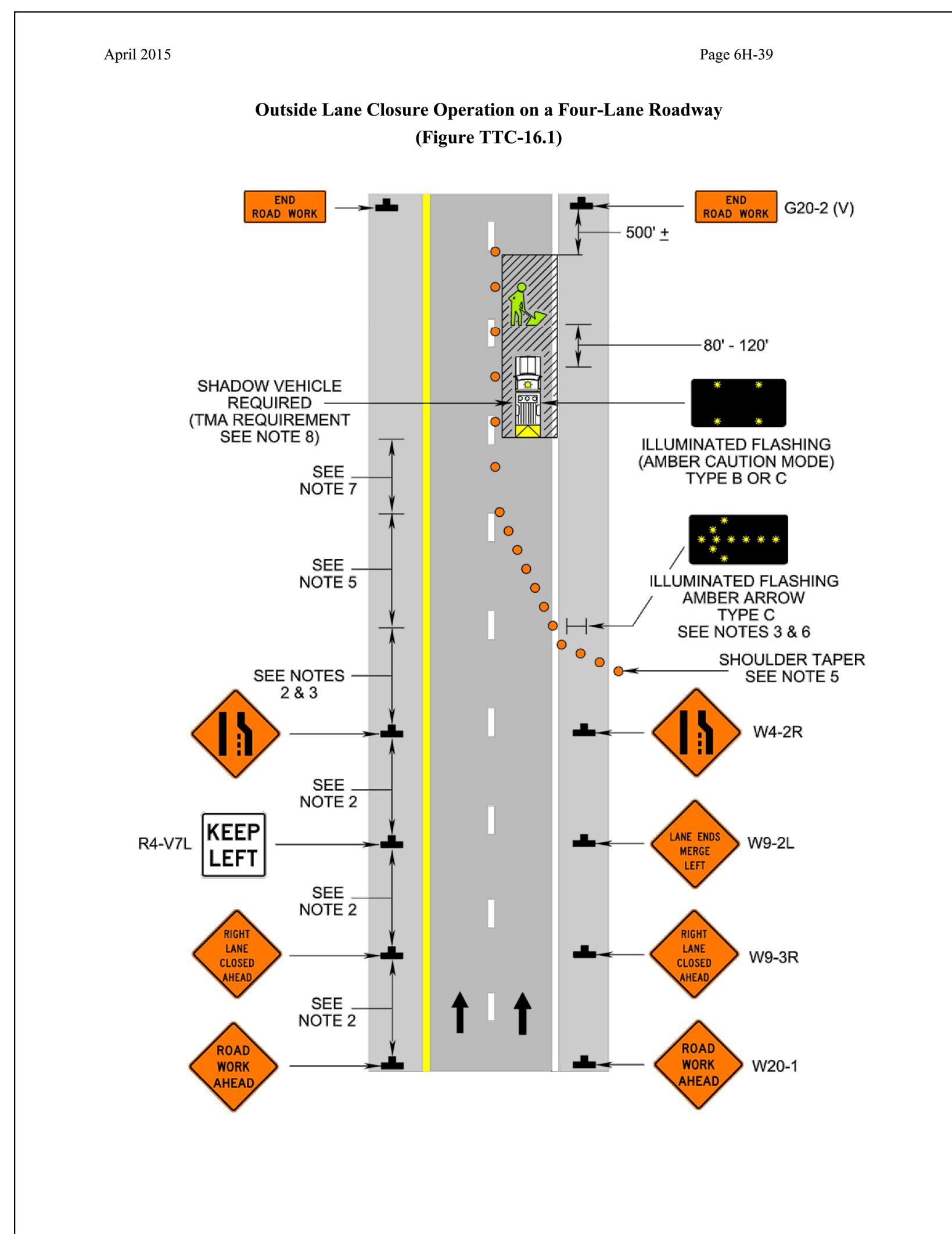
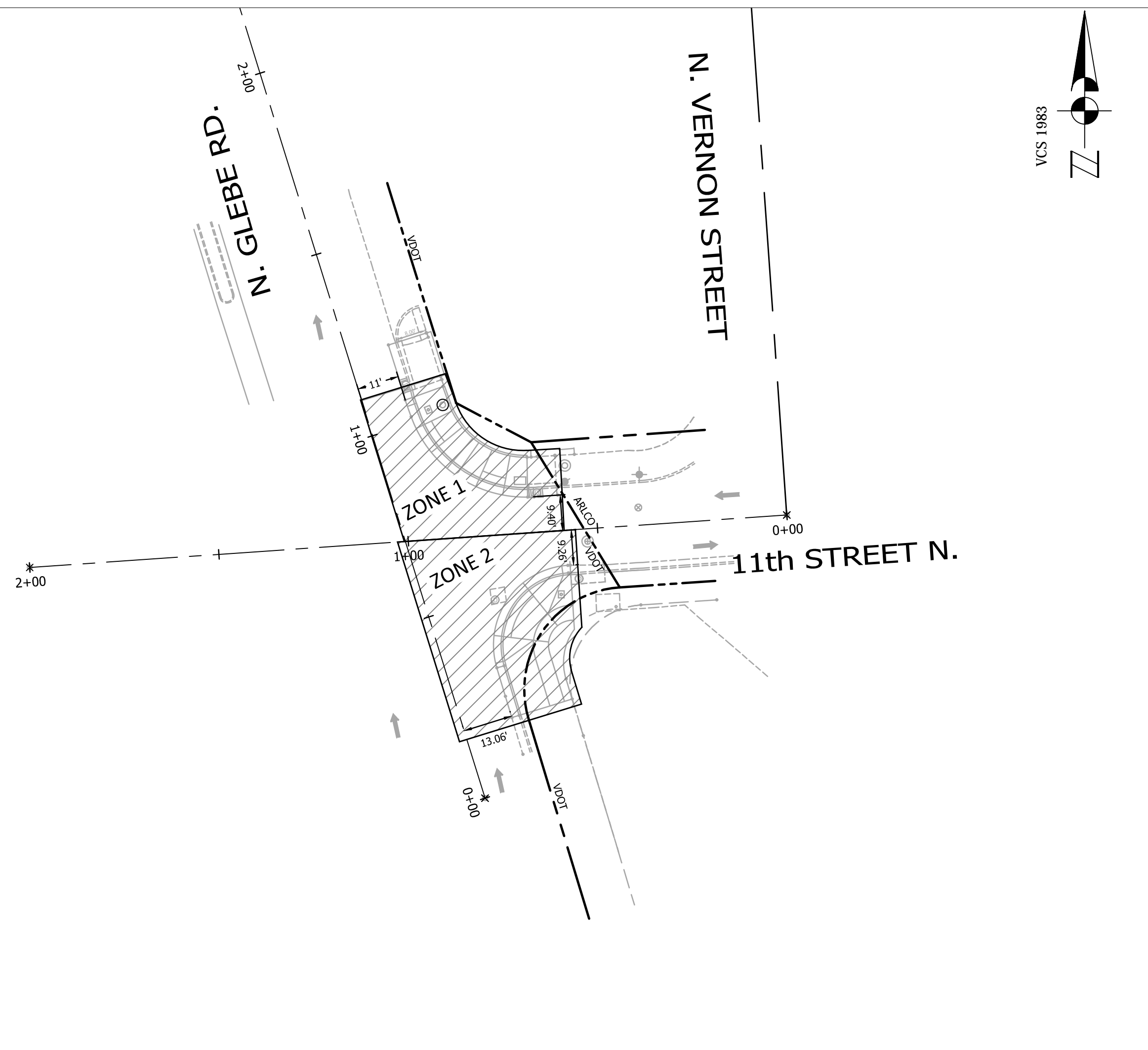
(A) TYPE B CLASS 1.....WHITE 4" WIDTH	PARKING LANES, EDGE LINES, LANE LINES
(B) TYPE B CLASS 1.....WHITE 4" WIDTH, 10' LONG, 30' SPACING	DASHED LANE LINES
(C) TYPE B CLASS 1.....WHITE 4" WIDTH, 2' LONG, 10' SPACING	LANE TRANSITIONS, TURN LANE SKIPS
(D) TYPE B CLASS 1.....WHITE 18" WIDTH	STOP BARS
(E) 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:**
- STREET WIDTH MEASUREMENTS ARE FROM FACE OF CURB TO FACE OF CURB. LANES ARE MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
  - 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.
  - 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.
  - ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING STANDARDS.
  - 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.
  - CROSSWALKS SHALL BE 10' WIDE UNLESS OTHERWISE NOTED.
  - LEFT TURN ARROWS SHALL BE LOCATED 25' BACK FROM STOP BAR. FOR ADDITIONAL ARROWS FOLLOW DES MARKING STANDARDS.
  - ON-STREET PARKING LANE IS 7' WIDE (UNLESS OTHERWISE NOTED) AND MARKED WITH 4" WIDE WHITE LINES. BEGINNING AND END OF PARKING SHALL BE MARKED WITH AN END LINE PERPENDICULAR TO CURB EXCEPT AT NUSS.
  - SHARROWS SHALL BE PLACED IN CENTER OF LANE, 250' APART UNLESS OTHERWISE SPECIFIED.
  - BIKE LANE SYMBOLS TO BE PLACED 330' APART UNLESS OTHERWISE SPECIFIED.

**STRIPING LEGEND**

EXISTING		PROPOSED
	BUS STOP	
	FIRE HYDRANT	
	PARKING METER	
	SIGN	
	STRIPING	





Page 6H-38 April 2015

### Typical Traffic Control

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

#### NOTES

**Standard:**

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

**Guidance:**

- 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.
- 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.
- 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:

Speed Limit (mph)	Taper Length (L)			
	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 = 1/2 L Minimum

Location	Channelizing Device Spacing	
	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 1/2 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.

- 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).
- The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit.
- 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 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.
- 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 oscillating lights.
- 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

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

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL

APPROVALS DATE

QUALITY CONTROL ENGINEER: 02/14/19

CONSTRUCTION MANAGEMENT SUPERVISOR: 03/11/2015

WATER, SEWER, STREETS BUREAU CHIEF: 4/2/19

TRANSPORTATION DIRECTOR: 3/13/19

PROJECT MANAGER: 3/12/19

REVISIONS DATE

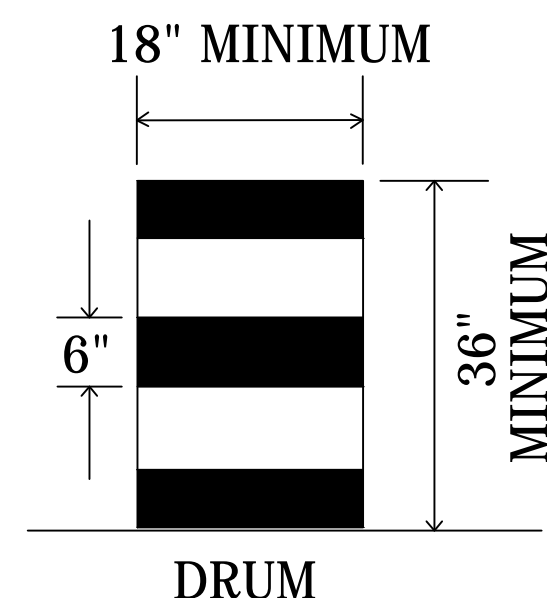
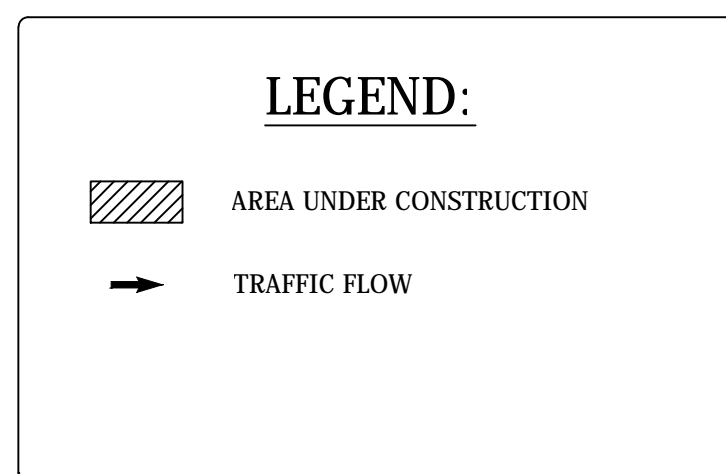
ZONE#	TTC#	ZONE TABLE COMMENTS	DURATION
ZONE 1	TTC-16.1	OUTSIDE LANE CLOSURE OPERATION ON A FOUR LANE ROADWAY	MONTH
	TTC-28.1	LANE CLOSURE OPERATION- IN AN INTERSECTION	
	TTC-36.1	CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION	
ZONE 2	TTC-16.1	OUTSIDE LANE CLOSURE OPERATION ON A FOUR LANE ROADWAY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

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:
- WARNING SIGN SPACING : 100'
  - CHANNELIZATION DEVICES SPACING FOR TRANSITION AREAS = 20'



#### WORKING HOURS:

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

#### MOT NOTES:

- 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.
- 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.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER OF PARKING RESTRICTIONS 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.
- 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.
- 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.
- 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.
- PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, INCLUDING ACCESS TO BUS STOP SHELTERS, UNLESS OTHERWISE APPROVED IN THE PLANS.
- PEDESTRIAN TRAFFIC SHALL BE SEPARATED FROM WORK ZONES WITH APPROPRIATE MEASURES IN ACCORDANCE WITH MUTCD.
- ADEQUATE PROVISIONS FOR PERSONS WITH DISABILITIES SHALL BE PROVIDED AT ALL TIMES PER ADA REQUIREMENTS.
- 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 MIDDLEBLOCK WORK SITES.
- PEDESTRIANS SHALL NOT BE LED INTO CONFLICT WITH WORK SITE EQUIPMENT, OPERATIONS, AND/OR VEHICLES MOVING THROUGH OR AROUND THE WORK SITE.
- 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.
- 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.
- 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 FIRE 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.
- 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.
- WORK HOURS ARE RESTRICTED IN V.D.O.T. R.O.W. : 9:30 AM TO 3:00 PM (MON.-THUR.) AND 9:30AM TO 2PM (FRI) SINCE GLEBE RD. IS A STATE ROAD.
- CONTRACTOR SHALL COVER ANY EXISTING SIGNS WHICH ARE NOT APPLICABLE OR ARE IN CONFLICT WITH THIS MOT PLAN
- 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.
- CONTRACTOR SHALL ERADICATE ALL TEMPORARY PAVEMENT MARKING, INCLUDING TEMPORARY MARKED CROSSWALKS ONCE THE WORK AREA(S) ASSOCIATED WITH THE MARKINGS HAS BEEN COMPLETED.
- CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY TRANSIT AT 703-228-3049, AT LEAST FOUR (4) WEEKS PRIOR TO COMMENCEMENT OF ALL WORK AFFECTING TRANSIT STOPS. COORDINATE TAPER WITH BUS STOP MANAGER.

PROJECT NAME AND LOCATION

N. GLEBE RD. @ 11TH ST. N.

MOT\_PLAN 1

N. GLEBE RD. @ 11TH ST. N.

NE & SE CORNER AT INTERSECTION

DESIGNED: K.PATEL

DRAWN : K.PATEL

CHECKED : P.RIGBY

MISS UTILITY TRANSMITTAL #: N/A

FILENAME: P14D-B-5-286-MOT.DWG

PATH: G:\DATA\DR. 08\CONTRACTS\IMPROVEMENTS\0875 B-5 N GLEBE ROAD @ 11TH STREET N\CAD\TRANSIT\MOT

PLOTTED: MARCH 4 2019

PLOTTED BY: K.PATEL

SCALE: AS NOTED

GRAPHIC SCALE

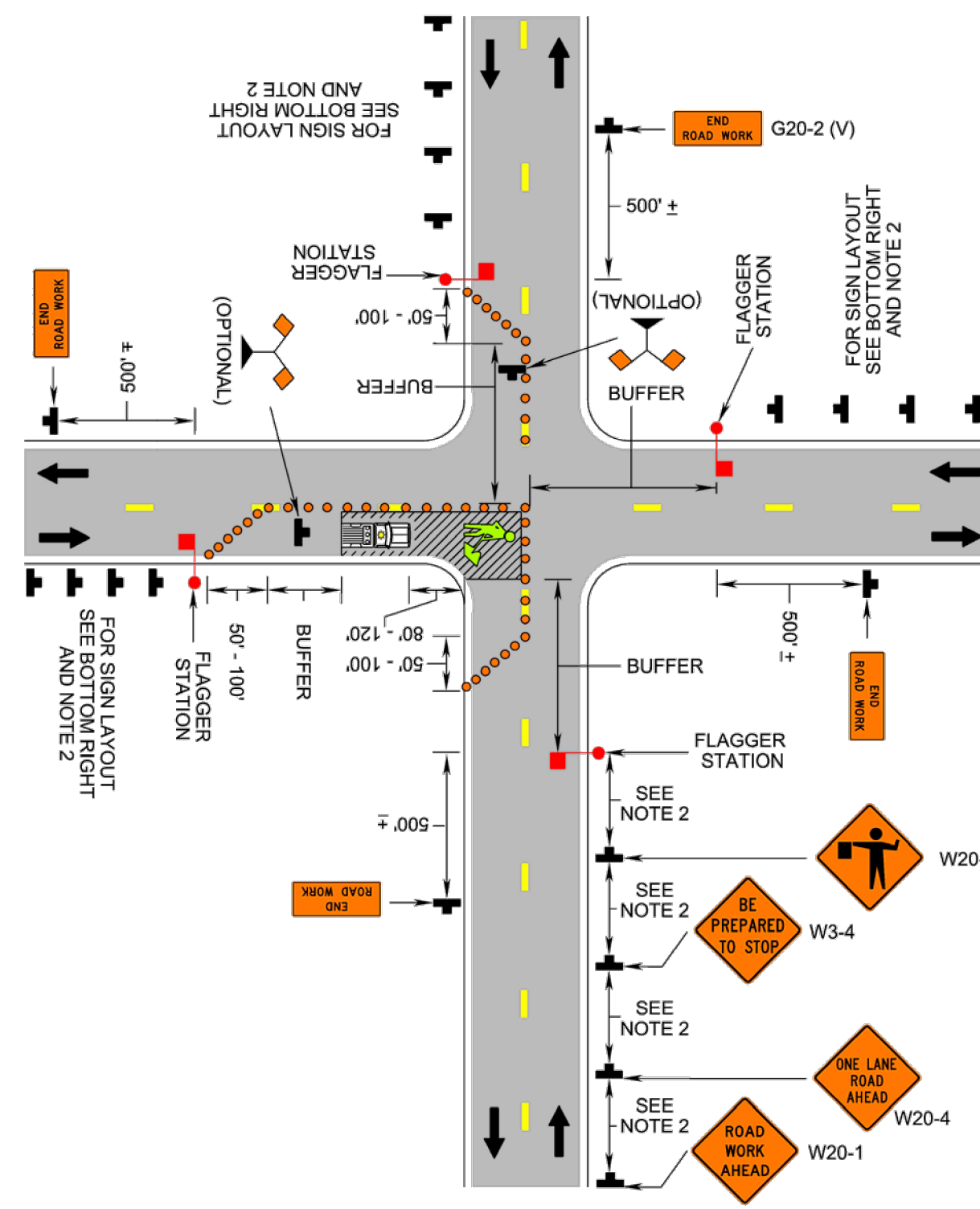
SCALE: 1" = 25'

SHEET

12 OF 13

N.GLEBE RD. @ 11TH ST. N.

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



1: Revision 1 - 4/1/2015

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

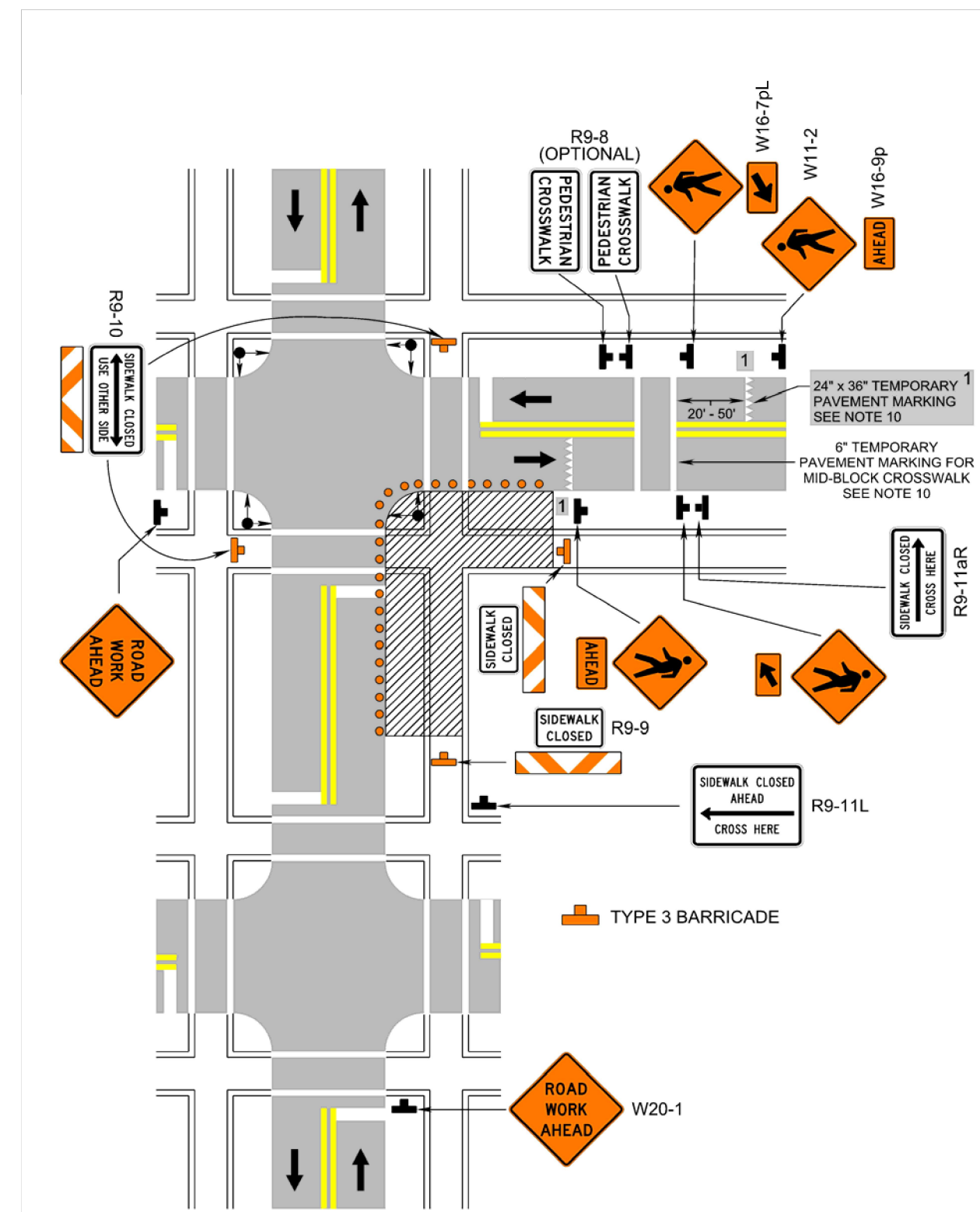
- 6. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.

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 for crosswalk lines, yield lines and other related TTC devices that may be used to control vehicular traffic at midblock crosswalks.

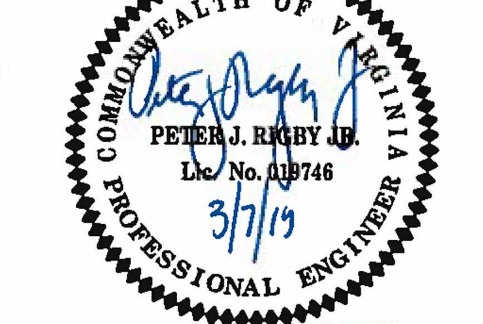
1: Revision 1 - 4/1/2015



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

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Approval signatures and dates for Quality Control Engineer, Construction Management Supervisor, Water Sewer Streets Bureau Chief, Transportation Director, and Project Manager.

REVISIONS DATE

Table with 2 columns: REVISIONS, DATE. Contains several empty rows for recording changes.

PROJECT NAME AND LOCATION: N. GLEBE RD. @ 11TH ST. N. MOT\_PLAN II N. GLEBE RD. @ 11TH ST. N. NE & SE CORNER AT INTERSECTION

DESIGNED: K. PATEL DRAWN: K. PATEL CHECKED: P. RIGBY MISS UTILITY TRANSMITTAL #: N/A FILENAME: P14D-B-5-286-MOT.DWG PATH: G:\DATA\PROJ\_08\_COURTESY IMPROVEMENTS\OFFICE\5-N GLEBE ROAD & 11TH STREET\N-GLEBE PRELIM.DWG PLOTTED: MARCH 4 2019 PLOTTED BY: K.PATEL

SCALE: AS NOTED

SHEET 13 OF 13