**ENGINEER** DEPARTMENT OF **ENVIRONMENTAL SERVICES** 

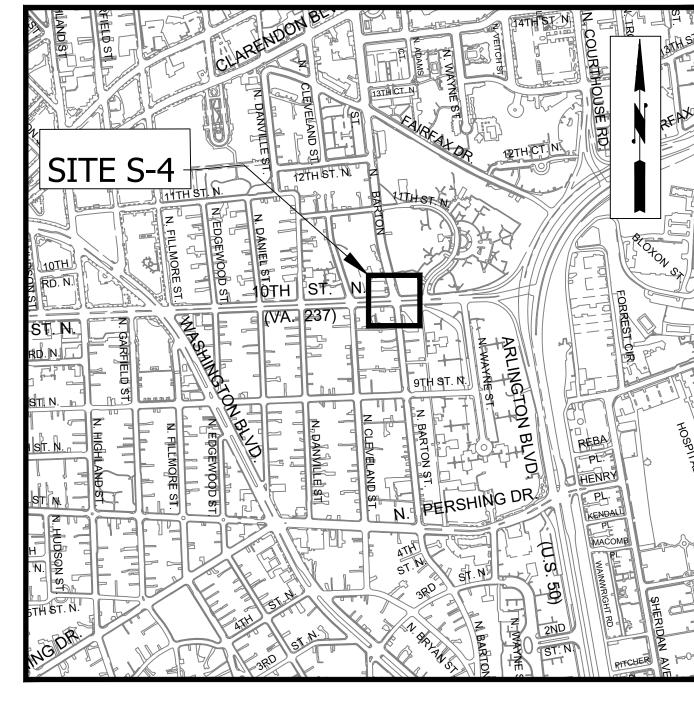
FACILITIES & ENGINEERING DIVISION ENGINEERING BUREAU 2100 CLARENDON BOULEVARD, SUITE 813 ARLINGTON, VA 22201 PHONE: 703.228.3629 FAX: 703.228.3606 WWW.ARLINGTONVA.US

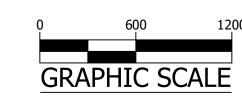
**OWNER** DES/DTD/PLAN

CONTRACTOR TO BE DETERMINED

DIVISION OF TRANSPORTATION & DEVELOPMENT/ TRANSPORTATION PLANNING BUREAU 2100 CLARENDON BOULEVARD, SUITE 900, ARLINGTON, VA 22201 PHONE: 703.228.6570 FAX: 703.228.3606 WWW.ARLINGTONVA.US

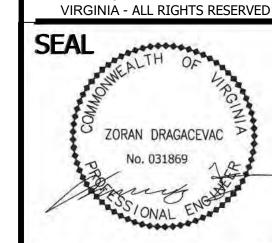
# LOCATION MAP





# **ARLINGTON VIRGINIA**

DEPARTMENT OF ENVIRONMENTAL SERVICE



APPROVALS

**REVISIONS** 

ON

S

DESIGNED: K.PATEL

DRAWN: K. PATEL

SCALE:

CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

# **GENERAL NOTES:**

INTERSECTION @ 10TH ST. N. & N. BARTON ST.

### GENERAL CONSTRUCTION NOTES

PROJECT NUMBER: P31D

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.

10TH ST. N. & N. BARTON ST.

CONSTRUCTION DRAWINGS FOR:

- 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 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.
- 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.
- 9. ALL SIDEWALK AND CURB AND GUTTER DEMOLITION SHALL BEGIN AND END AT THE CONSTRUCTION JOINT NEAREST TO THE DEPICTED DEMOLITION EXTENTS WITH A NEAT SAWCUT LINE TO FULL DEPTH OF PAVEMENT SECTION.

### STORMWATER AND ENVIRONMENTAL PROTECTION

10. 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

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

### TRAFFIC CONTROL

- 12. 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
- 13. 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
- 14. THE CONTRACTOR SHALL SUBMIT ANY REQUESTS FOR TEMPORARY "NO PARKING" RESTRICTIONS TO THE PROJECT OFFICER AT LEAST 5 BUSINESS DAYS PRIOR TO THE DESIRED ONSET OF RESTRICTIONS. PRIOR TO A REQUEST FOR THE REMOVAL OF ACCESS TO ANY ADA PARKING SPACE THE CONTRACTOR MUST HAVE MADE PROVISION FOR ALTERNATIVE ADA PARKING AS INDICATED ON THE APPROVED PLAN OR AS DIRECTED BY THE PROJECT OFFICER.
- 15. WHEN THE APPROVED PLAN CALLS FOR THE REMOVAL OF ANY PARKING METER THE CONTRACTOR MUST MAKE A REQUEST TO THE PROJECT OFFICER AT LEAST ONE WEEK IN ADVANCE OF THE DESIRED REMOVAL. THE PROJECT OFFICER WILL THEN COORDINATE THE PARKING METER REMOVAL WITH TRAFFIC ENGINEERING AND OPERATIONS.
- 16. 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 REOUEST OF THE PROJECT OFFICER. ANY RELOCATION OR CLOSURE OF A BUS STOP SHALL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR - 703-228-3049.
- 17. 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

18. 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 1 WEEK IN ADVANCE OF THE REQUIRED OPERATION.
- 19. IN THE EVENT OF A WATER OR SEWER EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY'S WATER CONTROL CENTER AT 703-228-6555 AND THE PROJECT OFFICER.
- 20. THE CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTOFFS, DISCONNECTS, AND/OR ABANDONMENT WITH UTILITY OWNER AND PROJECT OFFICER AT LEAST 1 WEEK IN ADVANCE OF THE REQUIRED

### FIRE DEPARTMENT NOTES:

- 21. 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.
- 22. 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.
- 23. 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.

### **Table of Contents**

Sheet Number C000.1 COVER **VDOT COVER** C000.2 C002.1 **DETAILS** C004.1 TYPICAL SECTIONS C006.1 LEGEND C011.1 EXISTING CONDITIONS PLAN C021.1 DEMOLITION PLAN C031.1 EROSION AND SEDIMENT CONTROL PLAN PLAN AND PROFILE C041.1 C042.1 RAMP DETAILS C044.1 CROSS-SECTIONS C045.1 GEOMETRIC CONTROL PLAN C101.1 SIGN AND MARKING PLAN C121.1 MAINTENANCE OF TRAFFIC PLAN C122.1 MAINTENANCE OF TRAFFIC NOTES & DETAILS VDOT PROJECT # EN18-000-880

UPC # 113868

LOCALITY PROJECT # P31D

SWM# N/A

10,000 -VPD 10TH STREET N. 5,500 - VPD N. BARTON ST.

2020 - TE & O

2020 - TE & O

STREET CLASSIFICATION PRINCIPAL ARTERAL 10TH STREET N 25 MPH

NEIGHBORHOOD PRINCIPAL N. BARTON ST.

**POSTED SPEED** 

25 MPH - 10TH STREET N. 25 MPH - N. BARTON ST.

MAINTAINING AGENCY: ARLINGTON COUNTY

25 MPH

2011 AASHTO CITY BUS

C000.1

10TH ST. N. & N. BARTON ST. P31D

ARLINGTON COUNTY BOARD APPROVAL DATE: N/A

ARLINGTON COUNTY PROGRAM OWNER: Transportation Planning Bureau

Sheet List Table

**EXISTING CONDITIONS PLAN** 

GEOMETRIC CONTROL PLAN

MAINTENANCE OF TRAFFIC PLAN

TURNING MOVEMENT EXHIBIT TURNING MOVEMENT EXHIBIT

MAINTENANCE OF TRAFFIC NOTES & DETAILS

SIGN AND MARKING PLAN

**EROSION AND SEDIMENT CONTROL PLAN** 

DEMOLITION PLAN

PLAN AND PROFILE

RAMP DETAILS

CROSS-SECTIONS

NUMBER

C011.1

C021.1

C042.1

C044.1

C045.1

C101.1

C121.1

C122.1

C200.1

# ARLINGTON VIRGINIA

CONSTRUCTION DRAWINGS FOR: 10TH ST. N. & N. BARTON ST. INTERSECTION @ 10TH ST. N. & N. BARTON ST.

> PROJECT NUMBER: P31D UPC NUMBER: 113868

# LOCATION MAP

SITE S-4	E AV
SIIE S-4  STHOTH  OTH  OTH  OTH  OTH  OTH  OTH	
ST.N. 237) ST.N. 237) OTH ST. N. 247	FORKEST OFFICE
N. ALLWORE ST. PERSHING DR. PL. KENDAL	HOSPITAL
THIST. N. ST. N.	

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

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL REV 2 (2019), ARLINGTON COUNTY STANDARDS AND SPECIFICATIONS, AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF ALL CONSTRUCTION IS TO BE PERFORMED WITHIN THE EXISTING RIGHT OF THE WAY.

POPULATION: ARLINGTON COUNTY 207,627 (2010 CENSUS) LENGTH INCLUDING | LENGTH EXCLUDING | TYPE FEDERAL AID UPC BRIDGE PLAN BRIDGE(S) BRIDGE(S) **SECTION** DESCRIPTION PROJECT NO. PROJECT NO. CODE NO. PROJECT FEET MILES FEET MILES EN18-000-880 P101 FHWA-5B01(074) | PENG | 113868 | 450 0.085 450 0.085 PRELIMINARY INTERSECTION IMPROVEMENTS **ENGINEERING** NOTE: PROJECT LENGTH BASED ON ROADWAY CENTERLINE

### FHWA 534 DATA: 43128

STATE	FEDERAL AID STATE		STATE	SHE
SIAIL	PROJECT	ROUTE	PROJECT	NO
VA	FHWA-5B01 ( )	N/A	EN18-000-880	1
	SEE TABULATION BELOW FOR SECTION NUMBER			

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA							
ROADWAY	NEIGHBORHOOD PRINCIPAL	URBAN PRINCIPAL ARTERIALS					
NO/NO/N/I	N. BARTON ST.	10TH ST N.					
POSTED V (MPH)	25	25					
ADT (2020)	10,000	5,500					

MAINTAINING AGENCY: ARLINGTON COUNTY

### TIER 1 PROJECT

LOCALLY ADMINISTRATED PROJECTS						
	NAME OF LOCALITY					
N	AME OF RESPONSIBLE LOCAL OFFICIAL (TYPE)					
RECOMME	ENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION					
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER					
NAME OF	RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPE)					
REC	OMMENDED FOR APPROVAL FOR CONSTRUCTION					
	1					

ALL CONSTRUCTION IS TO BE PERFORMED WITHIN THE

PLOTTED: MARCH 2 2023

SWM #XX-XXXX

EXISTING RIGHT OF WAY

**ARLINGTON VIRGINIA** 

DEPARTMENT OF **ENVIRONMENTAL SERVICES** 

2100 CLARENDON BOULEVARD, SUITE 81 PHONE: 703.228.3629 FAX: 703.228.3606

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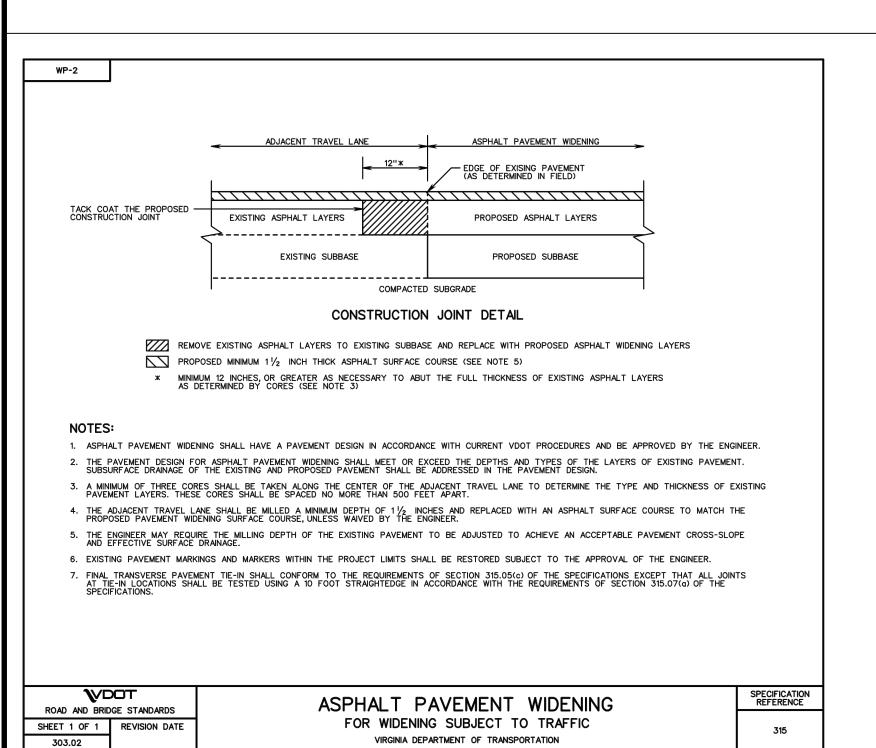


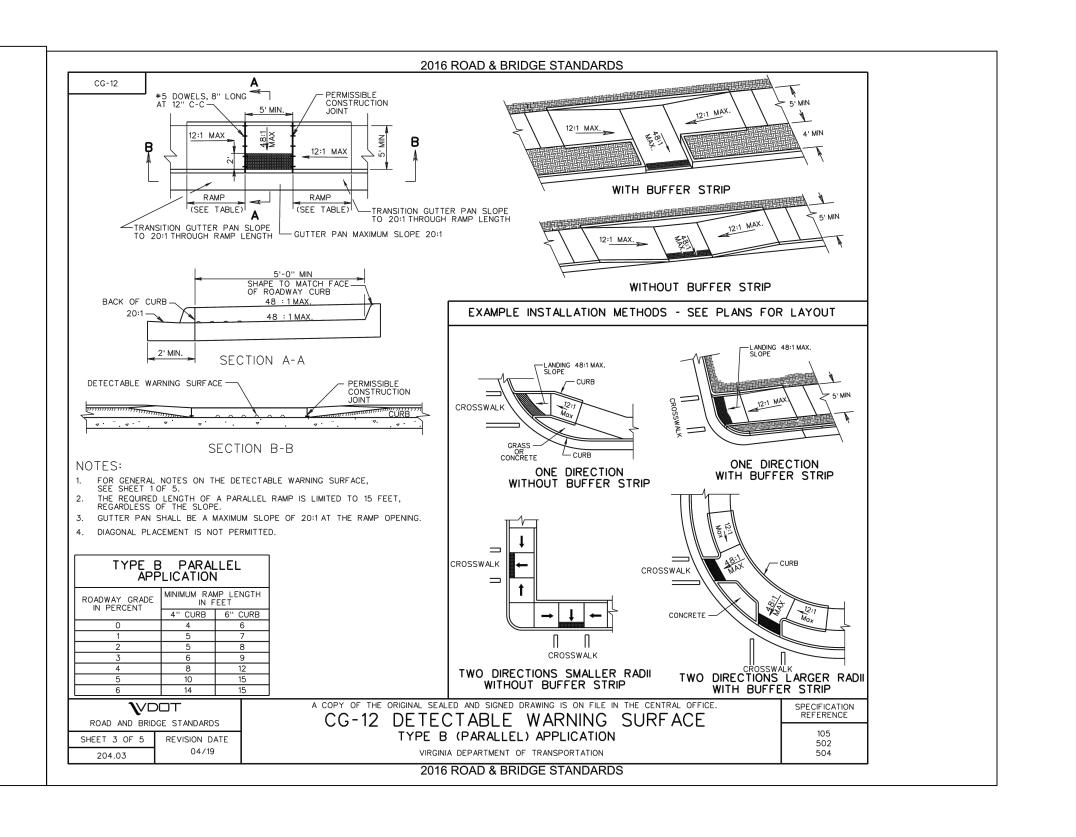
**APPROVALS** WATER, SEWER, STREETS BUREAU CHIEF

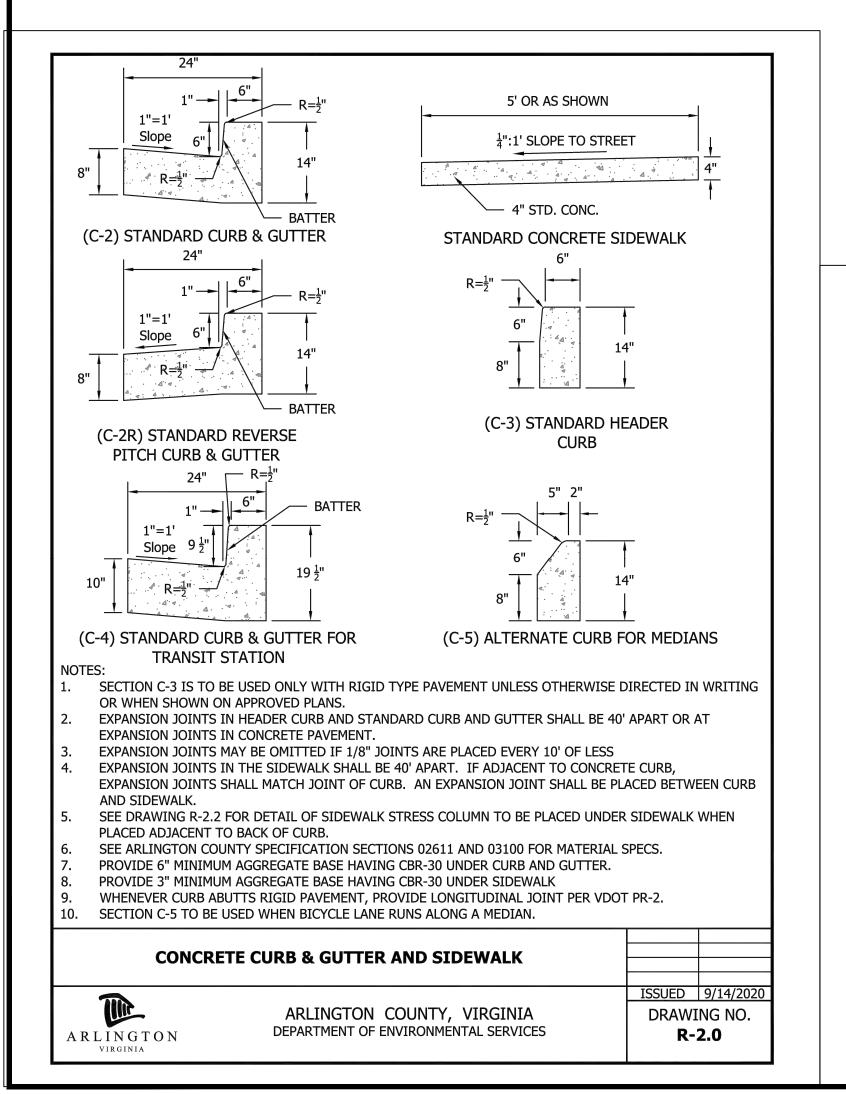
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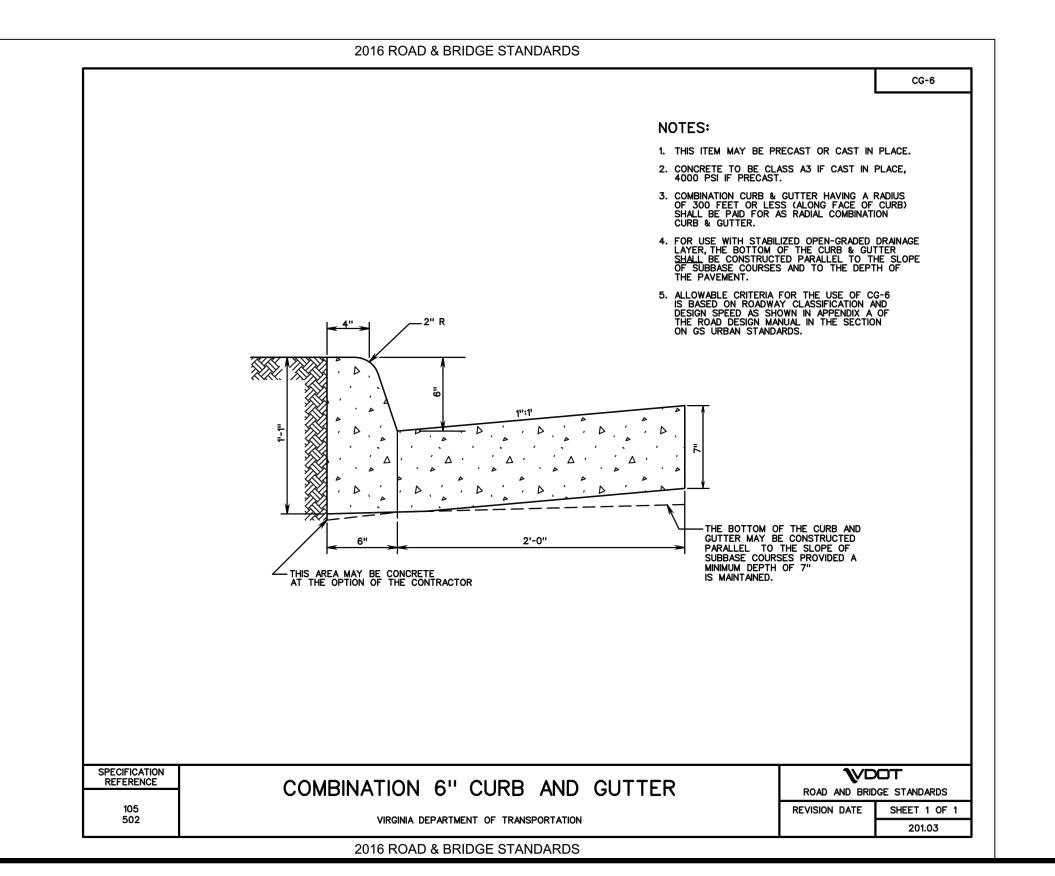
DESIGNED: K.PATEL DRAWN: K. PATEL CHECKED: Z. DRAGACEVAC

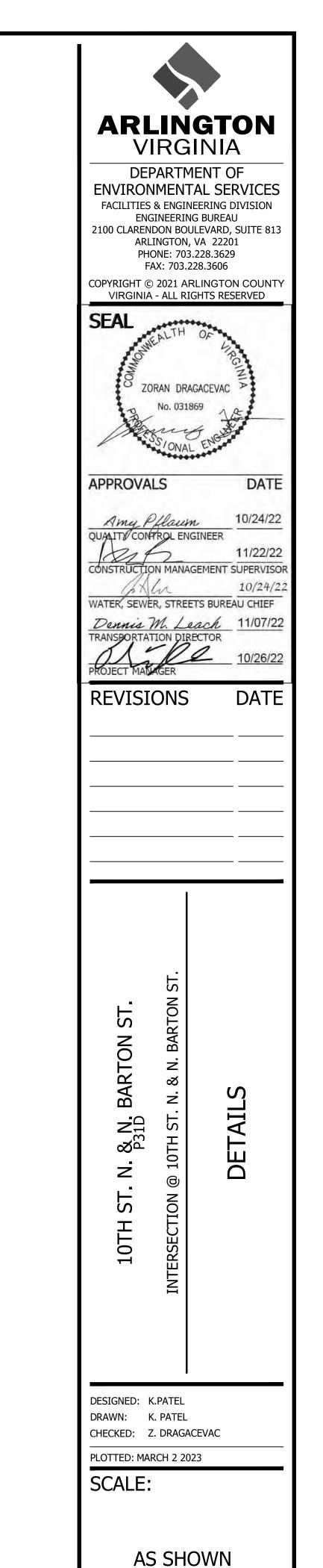
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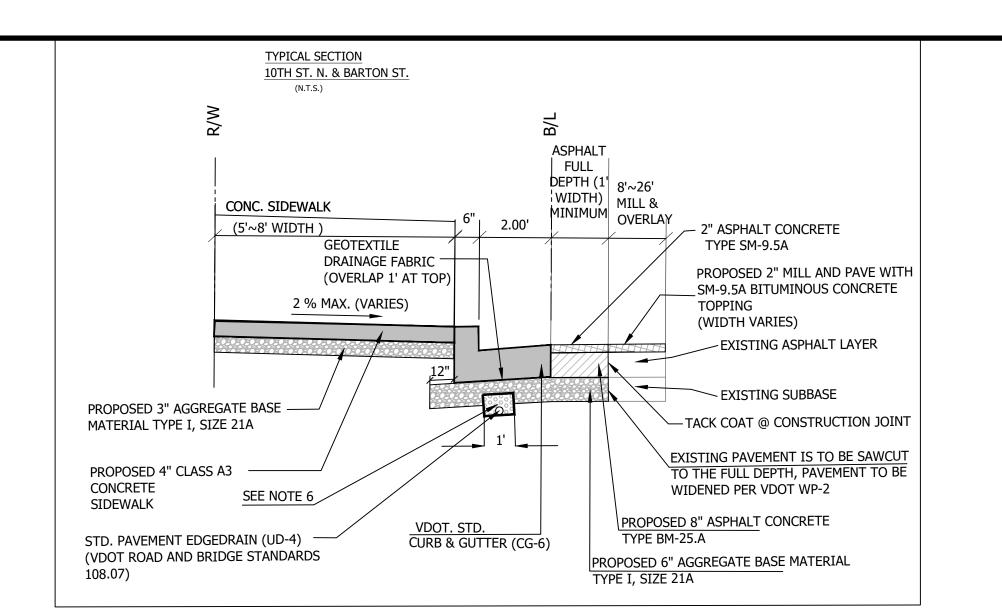






10TH ST. N. & N. BARTON ST. P31D

C002.



### 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.
- 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-9.5A.
- 6. 4" MINIMUM, PROVIDED ATTAINING MINIMUM 4" OF AGGREGATE ON TOP OF THE EDGEDRAIN.

BL EOP CR 1

TYPICAL SECTION
STA. -0+25 TO 0+50
SCALE: NTS

ARLINGTON VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES
FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU
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SEAL

ZORAN DRAGACEVAC

No. 031869

SS./ONAL ENGAGERATION

NO. 031869

DATE

APPROVALS

QUALITY CONTROL ENGINEER

11/22/22

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER, STREETS BUREAU CHIEF

Dennis M. Leach 11/07/22

SPORTATION DIRECTOR

10/26/2

REVISIONS

N. & N. BARTON ST.
10TH ST. N. & N. BARTON ST.

DESIGNED: K.PATEL
DRAWN: K. PATEL
CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

SCALE:

**AS SHOWN** 

C004.1

	LINET	YPE LEGEND	<u>9</u>	SYMBOL LEGE	<u>END</u>	
FEATURE	EXISTING	PROPOSED	EXISTING FEATURE	Ī	PROPOSED FEATURE	
BUILDING			EX CABLE PEDESTAL	C		
CENTERLINE / BASELINE			EX ELECTRIC BOX	E		
COMMUNICATIONS CABLE	COM	сом	EX FIRE HYDRANT	<b>-</b> \$-	PROP FIRE HYDRANT	•
CONTOURS - MAJOR, MINOR	—— 250 —— 250 ——	250	EX GAS VALVE	•	PROP GAS VALVE	0
CRITICAL ROOT ZONE			EX GROUND LIGHT	•		
EASEMENT			EX GUY WIRES	<b>&gt;</b> -		
ELECTRIC (UNDERGROUND)	——————————————————————————————————————		EX IRON PIPE OR PIN	•		
FENCE (MATERIAL NOTED)	xxxx	xxxx	EX LIGHT POLE	ø	PROP LIGHT POLE	<b>+</b>
FIBER OPTIC		fo	EX MAILBOX			
GAS LINE	——— GAS————	——— GAS————	EX MONUMENT			
X" GAS LINE (SIZE INCLUDED IF AVAILABLE	g) — #"g— #"g— #"g—	——————————————————————————————————————	EX PARKING METER	$\Theta$		
GUARDRAIL		· <del>o o o o o</del> o·	EX PAY STATION	PS	PROP PAY STATION	PS
HARDSCAPE FEATURE (MATERIAL NOTED)			EX SANITARY MANHOLE	0	PROP SANITARY MANHOLE	0
LIMITS OF DISTURBANCE	LOD	LOD	EX STORM BASIN	© ]	PROP STORM CATCH BASIN (TO SCALE)	0
LIMITS OF WORK	LOW	LOW	EX STORM MANHOLE	0	PROP STORM MANHOLE	0
OVERHEAD WIRES			EX TELEPHONE PEDESTAL	T		
PAVEMENT MINI SKIP LINE			EX TRAFFIC CONTROL BOX			
PAVEMENT SKIP LINE			EX TRAFFIC SIGN	-	PROP TRAFFIC SIGN	
PROPERTY LINE			EX TRASH CAN	₩	PROP TRASH CAN	<b>₩</b>
RIGHT-OF-WAY LINE			EX TRAVERSE			
ROOT PRUNING	——————————————————————————————————————	——————————————————————————————————————	EX TREES, WOODED AREA	(1)	PROPOSED TREE	+
SANITARY SEWER		SAN SAN				
SANITARY SEWER UNDER 20" (SIZE INCLUDED IF AVAILABLE	") —— #"s —— #"s ——				PROPOSED TREE REMOVAL	X
SANITARY SEWER OVER 20"			EX UTILITY MANHOLE TYPE INDICATED ELEC, TELE, ETC	<b>(2)</b>		
SILT FENCE	SF SF	——————————————————————————————————————	EX UTILITY POLE	•	PROP UTILITY POLE	
STORM (SIZE NOTED)	STM		EX WATER MANHOLE	0	PROP WATER MANHOLE	
STREAM			EX WATER METER	•	PROP WATER METER	•
STREET LIGHT CONDUIT	—— SL ——— SL ———	—— SL ——— SL ———	EX WATER VALVE	$\otimes$	PROP WATER VALVE	•
TELEPHONE (UNDERGROUND)	—— UGT ——— UGT ———	——— UGT ————	EX YARD INLET		PROP YARD INLET (TO SCALE)	
TREE LINE			EX BENCHMARK	()	CONSTRUCTION NOTES (LEADER TO AREA AFFECTED)	<u></u>
TREE PROTECTION FENCE	— ТР — ТР —	—— ТР ——		1	DETAIL NUMBER (SEE NOTE)	(D#)
WALL			NORTH ARROW	N N	CURVE NUMBER (SEE CURVE TABLE)	<b>(</b> #)
WATERLINE UNDER 20" (SIZE INCLUDED IF AVAILABLE	) —— #" w —— #" w ——				LINE NUMBER (SEE LINE TABLE	) (L#)
WATERLINE OVER 20"	=======				TEST HOLE	

### SYMBOL LEGEND

<b>EXISTING FEATURE</b>		PROPOSED FEATURE	
EX STRIPING	(A)	PROP STRIPING	A
EX BUS STOP	F	PROP BUS STOP	F
	LABEL	LEGEND	
<u>EXISTING</u>		PROPOSED	
EXISTING SANITARY STRUCTURE NUMBER	(XXXX)	PROPOSED SANITARY SEWER STRUCTURE NUMBER	XXXX
EXISTING STORM SEWER STRUCTURE NUMBER	$\langle \overline{x} \overline{x} \overline{x} \rangle$	PROPOSED STORM SEWER STRUCTURE NUMBER	⟨xxxx⟩

### HATCH LEGEND

ROP MILL & OVERLAY EE TYPICAL SECTION FOR DETAILS
ROP FULL DEPTH ASPHALT EE TYPICAL SECTION FOR DETAILS
ROP CONCRETE
EPLACE & MATCH EXISTING DRIVEWAY OR LEADWALK. SEE CONSTRUCTION NOTES
EMOLITION AREA



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

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REVISIONS	DATE
PROJECT MANAGER	10/26/22
Dennis M. Leach	11/07/22
WATER, SEWER, STREETS BUR	EAU CHIEF
Ch X Cir	10/24/22
CONSTRUCTION MANAGEMENT	SUPERVISOR
1216	11/22/22
QUALITY CONTROL ENGINEER	
Amy Pflaum	10/24/22
APPROVALS	DATE

BARTON

ST

DESIGNED: K.PATEL DRAWN: K. PATEL CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

SCALE:

C006.1

STORM DRAIN STORM DRAIN #8760 TOP = 216.91TOP = 221.1115" RCP IN = 211.01 (8793) 18" RCP OUT = 217.82 (8879) 15" RCP IN = 208.91 (26520) 15" RCP IN = 202.91 (8830) 24" RCP OUT = 202.71 (8801) TOP = 237.1933" RCP OUT = 221.41 (8879) TOP = 216.6715" RCP IN = 212.12 (26521) TOP = 211.2615" RCP OUT = 212.05 (8760) 15" RCP IN = 207.26 (8940) 15" RCP OUT = 207.11 (8854) #8801 TOP = 215.7924" RCP IN = 201.88 (8760) TOP = 215.4424" RCP OUT = 201.79 (8844) 15" RCP IN = 207.99 (8946) 15" RCP OUT = 207.89 (8920) TOP = 215.6815" RCP IN = 210.68 (8947) TOP = 219.4115 RCP IN = 207.18 (26522) 18" RCP OUT = 215.11 (8879) 24" RCP OUT = 207.08 (8859) #8844 TOP = 213.68TOP 215.29 15" RCP OUT = 208.83 (8940) CAN NOT OPEN #8854 TOP = 215.9115" RCP OUT = 211.21 (8934) TOP = 211.2515" RCP IN = 206.35 (8920) 15" RCP OUT = 206.30 (8859) TOP = 217.13#8859 30" RCP INV. IN = 206.43 (9145) TOP = 215.3736" RCP OUT = 206.23 (8876) 24" RCP IN = 202.39 (8934) 15" RCP IN = 204.77 (8854) 24" RCP OUT = 202.19 (8844) TOP = 234.9430" RCP OUT = 227.00 (8971) TOP = 217.54#26520 33" RCP IN = 203.19 (8879) TOP = 233.3136" RCP IN = 203.76 (8971) 15" RCP OUT = 224.50 (8760) 48" RCP OUT = 202.16 (100) TOP = 217.03#8879 TOP = 218.8915" RCP OUT = 213.23 (8793) 33" RCP IN = 204.64 (8887) 18" RCP IN = 215.19 (8880) #26522 18" RCP IN = 209.59 (8933) TOP = 217.37

33" RCP OUT = 204.57 (8876) 24" RCP OUT = 207.56 (8934)

#6757
TOP = 232.94
C/L INV. = 230.23

#3230
TOP = 216.59
C/L INV. = 203.82

#3229
TOP = 215.87
C/L INV. = 198.07

#10234
TOP = 230.73
C/L INV. = 207.75

#3123
TOP = 211.13
C/L INV. = 191.53

#3338
TOP = 211.59
C/L INV. = 202.81

#3124
TOP = 217.19
C/L INV. = 196.29

#3125
TOP = 220.83
C/L INV. = 205.35

#3126
TOP = 234.67
C/L INV. = 226.58

#3143 TOP = 223.29

C/L INV. = 215.13

ARLINGTON VIRGINIA

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

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FAX: 703.228.3606

ZORAN DRAGACEVAC A

No. 031869

No. 031869

No. 031869

APPROVALS

Amy Pflaum 10/24/22 QUANTO CONTROL ENGINEER

11/22/22
CONSTRUCTION MANAGEMENT SUPERVISOR
10/24/2.
WATER, SEWER, STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

10/26/22

REVISIONS

INLVISIONS

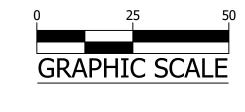
ONDITIONS N. BARION SI.

10TH ST. N
INTERSECTION @

DESIGNED: K.PATEL
DRAWN: K. PATEL
CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

SCALE:



C011.1

### CONTROL DATA:

GPS SATELLITE DATA WAS COLLECTED FOR POINTS 6 & 8 ON 02/2014.

POINT #	NORTHING	EASTING	ELEV.	DESC.
6	7008314.1894	11884755.8469	226.83	DRILL HOLE
8	7008332.4366	11884924.6565	215.90	DRILL HOLE
100	7008471.2683	11884893.8912	216.83	DRILL HOLE
921	7008296.6052	11885059.3816	212.46	DRILL HOLE
929	7008246.2296	11884656.6490	233.66	DRILL HOLE
930	7008589.5590	11884812.3872	226.69	PK NAIL
3042	7008064.4375	11884922.6544	232.57	BRICK NAIL

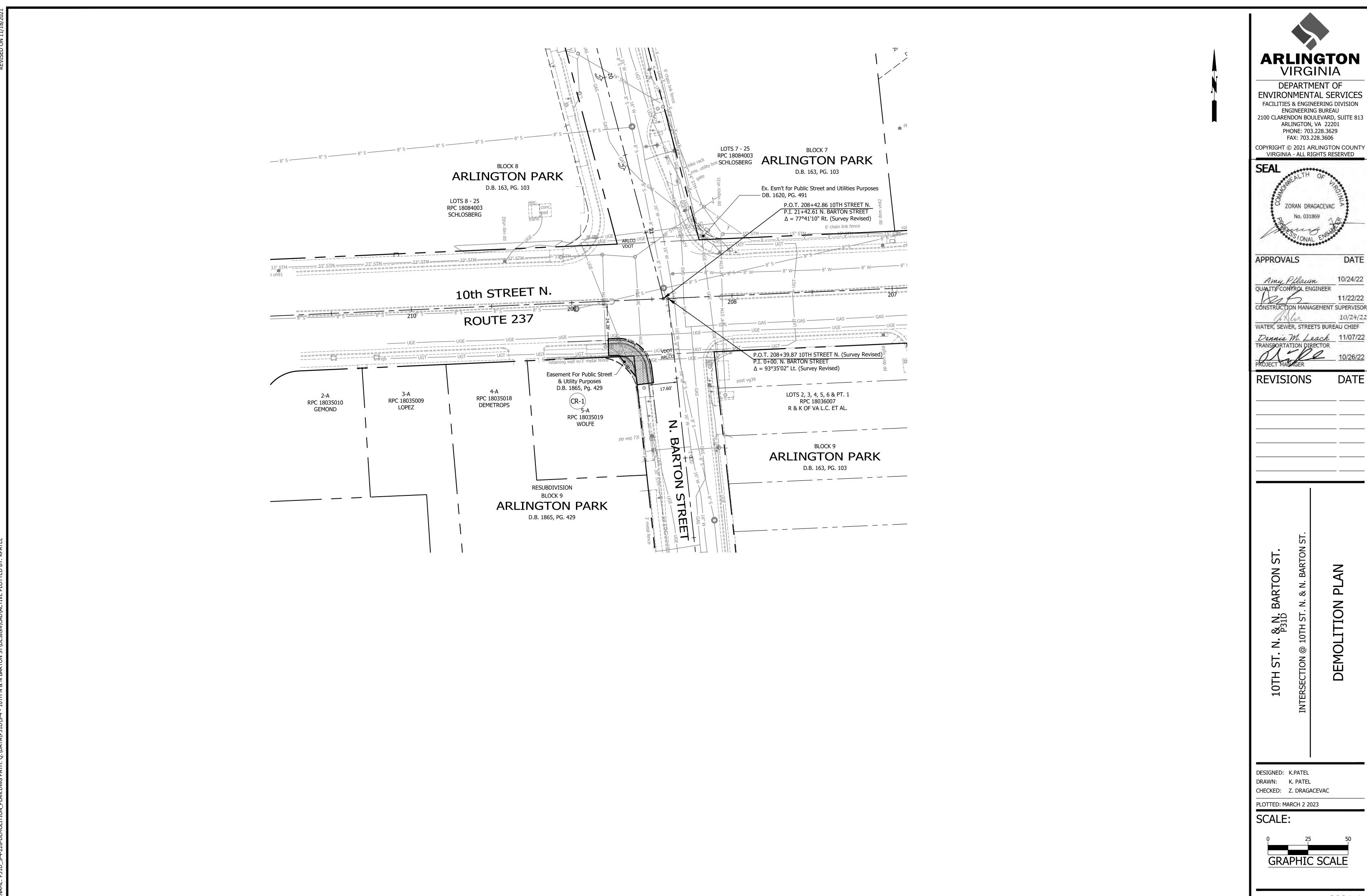
### NOTE:

ARLINGTON PARK

- 1. UNDERGROUND UTILITIES WERE DESIGNATED BY MID-ATLANTIC UTILITY LOCATING ON 10/11/2016 AND LOCATED BY ARLINGTON COUNTY SURVEYORS ON 10/17/2016.
- 2. DIAMETER OF WATER LINES & SANITARY SEWER PIPES ARE SHOWN PER ARLINGTON COUNTY RECORDS.

### **GENERAL SURVEY NOTES:**

- 1. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF THE COUNTY SURVEY SECTION FROM AN ACTUAL GROUND SURVEY; THE IMAGE AND/OR ORIGINAL DATA WAS OBTAINED FROM 10/2016 TO 12/2016; AND THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
- 2. HORIZONTAL DATUM: VIRGINIA COORDINATE SYSTEM 1983.
- 3. VERTICAL DATUM: NORTH AMERICA VERTICAL DATUM 1988.
- 4. CONTOUR INTERVAL: 1'
- 5. BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM EXISTING LAND RECORDS AND DOES NOT REPRESENT A FIELD RUN BOUNDARY SURVEY.



C021.1

# LIMIT OF DISTURBED AREA=1671 S.FT.

\_ATTACH 2" X 4" WOOD

CURB

\_ATTACH 4" X 4" WOOD

SPACER TO 2" X 4" WEIR

**DETAIL A: CONTINUOUS GRADE** 

DETAIL B: SUMP

-WOOD SPACER

4" X 4" IN SUMP

GUTTER PAN

<u>ISOMETRIC</u>

2" X 4" CONTINUOUS GRADE

TO 2" X 4" WEIR

-ATTACH WOOD SPACER

**REVISION & DATE** 

DRAWING NO. **3.07-7 (ACG)** 

SPACER TO 2" X 4" WEIR

CATCH BASIN

GRAVEL

🛱 (SEE NOTE 2) 🏖

2" X 4" CONTINUOUS GRADE

BELOW TOP OF CURB.

GRAVEL—/ (SEE NOTE 2)

ARLINGTON

(SEE NOTE 3)

MIN. 18" EXTENSION

BEYOND INLET THROAT-

ON BOTH SIDES

WOOD SPACER-

4" X 4" IN SUMP

1. DIMENSIONAL LUMBER SIZES SHOW.

2. GRAVEL SHALL BE VDOT COARSE AGGREGATE #3, # 357 OR #5.

/-SEE DETAIL (A) OR (B)

20 GAUGE WIRE REVERSE TWIST MESH 1" GALVANIZED HEX WIRE STEEL (CHICKEN WIRE)

- CLOSED BASKET WITH UNIFORM 2" X 4" WEIR

OR MAINTAIN WITHIN

GUTTER PAN

(SEE NOTE 2)

MESH 1" GALVANIZED HEX WIRE STEEL

(CHICKEN WIRE)

3. WEIR HEIGHT MAY BE ADJUSTED BY PROJECT OFFICER OR INSPECTOR IN FLOOD PRONE AREAS.

OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE THE PROTECTION.

4. PAINT 2"X4" WEIR, CLOSED BASKET, AND GUTTER WITH HIGH VISIBILITY INCANDESCENT ORANGE PAINT.

**CURB INLET PROTECTION** 

. 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

ARLINGTON COUNTY, VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

UNIFORM 20 GAUGE INSTALL SPACER 6" WIRE REVERSE TWIST BEYOND THROAT OPENING

OVERFLOW

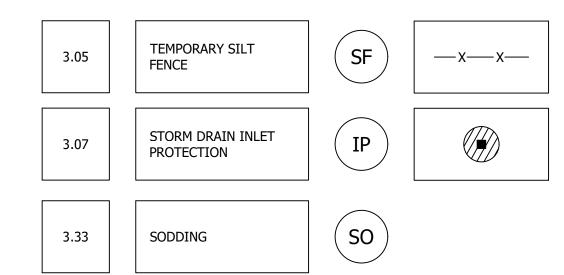
2" X 4" WOOD WEIR-7

ORIFICE

FOR APPLICATION `

### 10' O.C. MAX. | 1/2" (1.900" O.D.) SCHEDULE 40 STEEL FENCE POST — 2" CHAIN LINK FENCE FABRIC, SECURE TO POSTS WITH WIRE TIES — FILTER FABRIC — | 1/2" (1.900" O.D.) SCHEDULE 40 STEEL ELEVATION FENCE POST 2" CHAIN LINK FENCE - FABRIC, SECURE TO POSTS WITH WIRE TIES I. SECURE TO CHAIN LINK FABRIC WITH TIES 24" O.C. MINIMUM - FILTER FABRIC AT TOP AND MIDDLE OF FABRIC. LAY FILTER FABRIC IN 2. FILTER FABRIC SHALL BE AS SPECIFIED FOR SILT FENCE IN BOTTOM OF 3" WIDE TRENCH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. 3. OVERLAP FILTER FABRIC SECTIONS 6" MIN. 02370.2 SECTION/ELEVATION 1/2"=1'-0"

# EROSION AND SEDIMENT CONTROL LEGEND



LIMITS OF
DISTURBANCE

— LOD —

LIMITS OF WORK — LOW —

ARLINGTON VIRGINIA

DEPARTMENT OF

ENVIRONMENTAL SERVICES

FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU

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PHONE: 703.228.3629
FAX: 703.228.3606

FAX: 703.228.3606

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APPROVALS

DATE

Amy Pflaum

QUANTI CONTROL ENGINEER

10/24/22

The second of th

Dennis M. Leach 11/07/
ANSPORTATION DIRECTOR 10/26/

REVISIONS

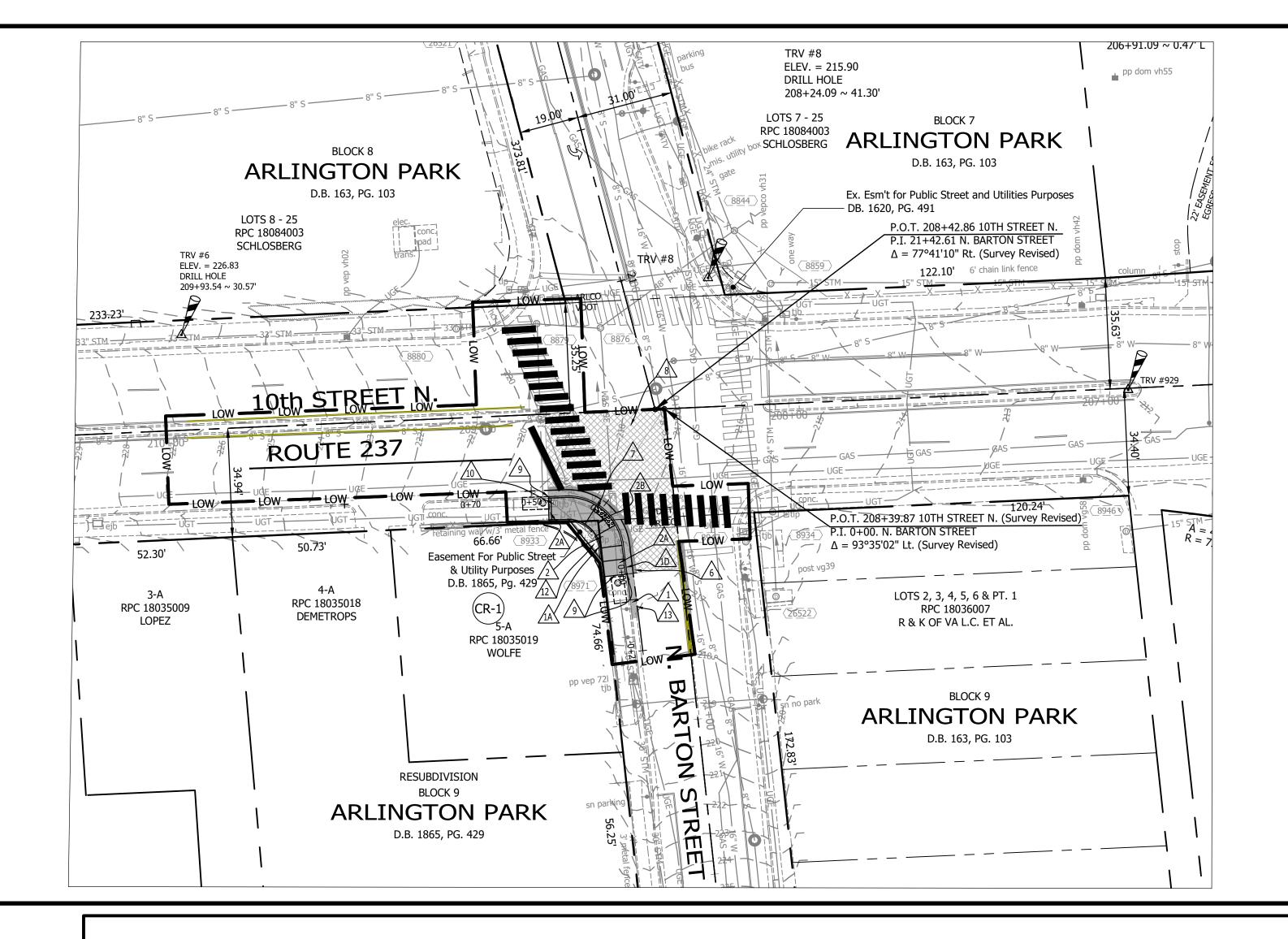
CTION @ 10TH ST. N. & N. BARTON ST.

DESIGNED: K.PATEL
DRAWN: K. PATEL
CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

GRAPHIC SCALE

C031.1



# **ROW ASSESSMENT**

 NO ROW ACQUISITION OR PERMANENT EASEMENTS ARE ANTICIPATED WITH THIS PROJECT.

# UTILITY IMPACT ASSESSMENT

### WET UTILITIES:

- NO STORM SYSTEM IMPROVEMENT IS ANTICIPATED WITH THIS PROJECT.
- WATER METERS AND VALVES NO VERTICAL ADJUSTMENTS ARE ANTICIPATED WITH THIS PROJECT.
- SANITARY MANHOLE NO POTENTIAL CONFLICT.

### DRY UTILITIES:

- NO IMPACTS TO EXISTING UTILITY POLES.
- NO IMPACTS TO EXISTING STREET LIGHT POLES. NO NEW STREET LIGHTS PROPOSED.
- NO IMPACTS TO EXISTING UNDERGROUND FACILITIES.

# PERMIT ASSESSMENT

 COUNTY LDA PERMIT IS NOT REQUIRED IF THE LAND DISTURBANCE IS LESS THAN 2500SF.

### PARKING IMPACTS

NO IMPACT ON EXISTING ON-STREET PARKING SPACE.

# TREE IMPACTS

• NO TREE REMOVALS ARE ANTICIPATED WITH THIS PROJECT. FURTHER TREE IMPACTS TO BE EVALUATED BY COUNTY URBAN FORESTER.

# OTHER IMPACTS

- ADDITIONAL FULL DEPTH PAVEMENT TO BE EVALUATED IN FINAL DESIGN
- NO RETAINING WALLS ARE EXPECTED.

# CONSTRUCTION NOTES

PROP CURB AND GUTTER (C-2) ARL STD (R-2.0)

PROP HEADER CURB (C-3) ARL STD (R-2.0)

PROP COMBINATION 6" CURB & GUTTER VDOT ROAD 1D & BRIDGE STANDARDS (201.03)

 $/_2$ \PROP. SIDEWALK ARL STD (R-2.0)

TRANSITION LEAD WALK TO MEET EXISTING  $\frac{2A}{}$  WALKWAY.

PROP RAMP (CG-12B) VDOT ROAD & BRIDGE 2B STANDARDS (204.03) SEE CURB RAMP DETAIL SHEET

\ PROPOSED ASPHALT FULL DEPTH REPLACXEMENT AS PER ARLINGTON COUNTY STANDARD (R-1.4)

PROPOSED DETECTABLE WARNING SURFACE DARK ☐ GRAY COLOR PER ARLINGTON COUNTY STANDARD H-3.2, CURB RAMPS

 $\$  ASPHALT - MILL AND OVERLAY ( $\frac{1}{2}$ "TO 3" ) PER  $\frac{8}{}$  ARLINGTON COUNTY STANDARD (R-1.4)

MATCH EXISTING T.O.C. OR SIDEWALK GRADE.

\ ADJUST EXISTING UTILITY BOX TO PROPOSED GRADE PER ARL CONSTR SPEC 02500 - 3.4

PROPOSED SOD AND 4" TOP SOIL PER ARLINGTON  $/_{12}$ \ STD. & SPEC. SECTION 329200 SEEDING AND

PROVIDE SMOOTH TRANSITION FROM VDOT CG-6 TO ackslash ARLINGTON COUNTY C-2 SECTION, SEE DETAILS ON SHEET #C002.1



DEPARTMENT OF **ENVIRONMENTAL SERVICES** FACILITIES & ENGINEERING DIVISION ENGINEERING BUREAU 2100 CLARENDON BOULEVARD, SUITE 813 ARLINGTON, VA 22201

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PHONE: 703.228.3629



**APPROVALS** 

10/24/22 Amy Pflaum QUALITY CONTROL ENGINEER 11/22/22 CONSTRUCTION MANAGEMENT SUPERVISO

WATER, SEWER, STREETS BUREAU CHIEF Dennis M. Leach 11/07/22

**REVISIONS** 

S

BARTON

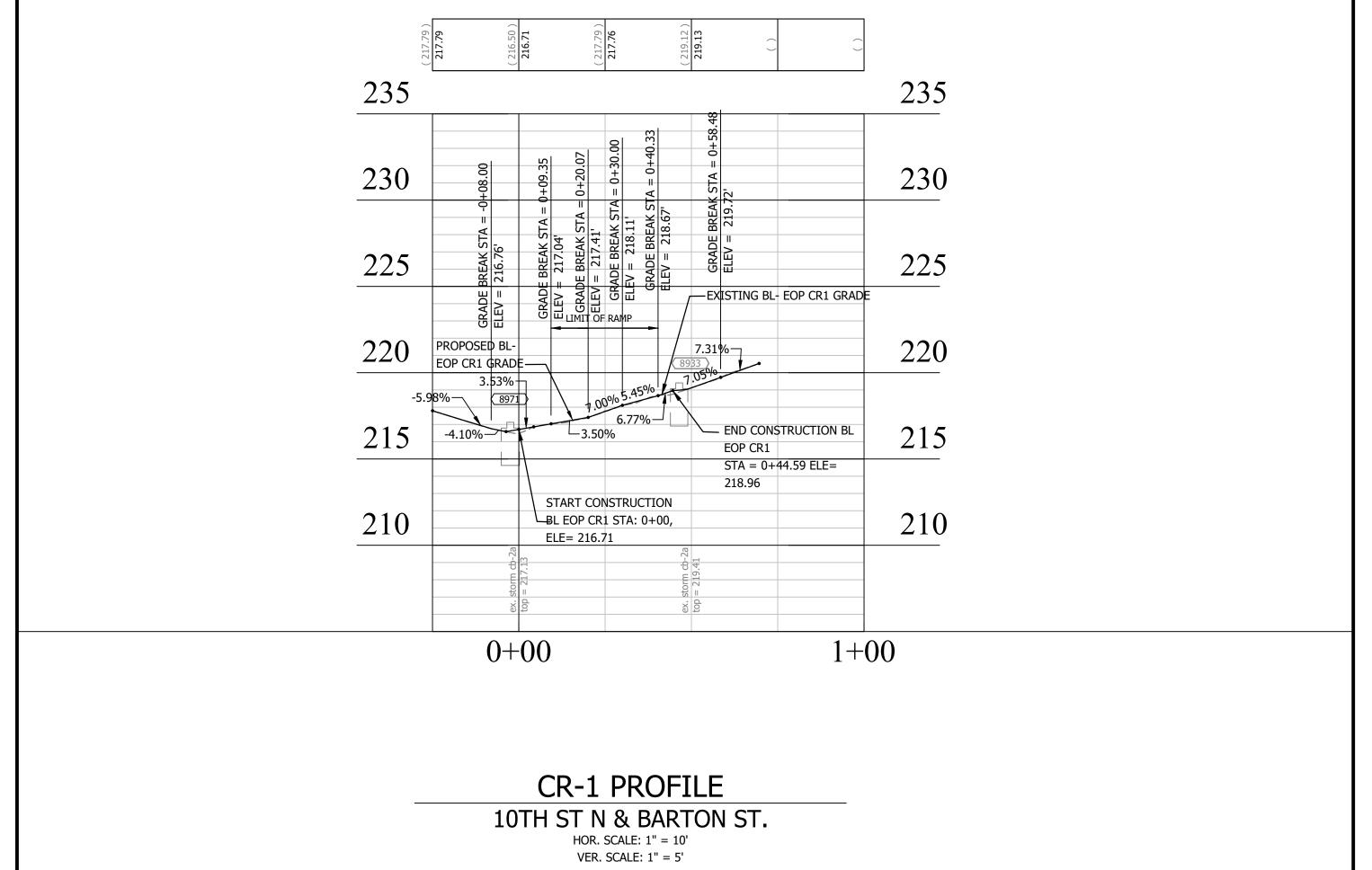
AND

DESIGNED: K. PATEL DRAWN: K. PATEL CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023 SCALE:

> VERT. SCALE HORIZ. SCALE

> > C041.1





10TH ST. N. & N. BARTON ST. P31D

	BL EOP CR1								
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)		
C1	29.73	20.00	N49° 37' 18.48"W	0+09.34	0+39.07	7008247.0385, 11884899.5535	7008264.5759 , 11884878.9312		
L3	16.61		N7° 01' 46.68"W	-0+25.00	-0+08.39	7008212.9612, 11884903.7556	7008229.4456, 11884901.7229		
L4	8.39		N7° 01' 46.68"W	-0+08.39	-0+00.00	7008229.4456, 11884901.7229	7008237.7733, 11884900.6960		
L5	9.34		N7° 01' 46.68"W	-0+00.00	0+09.34	7008237.7733, 11884900.6960	7008247.0385, 11884899.5535		
L6	5.51		S87° 47' 09.71"W	0+39.07	0+44.58	7008264.5759, 11884878.9312	7008264.3631, 11884873.4260		
L7	25.01		S87° 47' 21.79"W	0+44.58	0+69.59	7008264.3631, 11884873.4260	7008263.3984, 11884848.4358		

	BL SW-OUT CR3								
Length Radius Line/Chord Station Station (Start) Northing, Easting (Start)						Northing, Easting (End)			
L17	16.84		N38° 55' 31.12"W	0+19.17	0+36.01	7008241.5285, 11884890.8529	7008254.6329, 11884880.2694		
L18	6.58		S88° 38' 38.81"W	0+36.01	0+42.59	7008254.6329, 11884880.2694	7008254.4773, 11884873.6951		

	BL BOSW CR1							
	Length	Radius	Line/Chord Direction	Station (Start)	Station (End)	Northing, Easting (Start)	Northing, Easting (End)	
C2	15.61	10.50	N49° 37' 13.53"W	0+09.40	0+25.01	7008245.8758, 11884890.1249	7008255.0830 , 11884879.2987	
L8	16.80		N6° 08' 02.57"W	-0+25.00	-0+08.20	7008211.8252, 11884894.5410	7008228.5304, 11884892.7457	
L9	8.20		N6° 52' 41.09"W	-0+08.20	0+00.01	7008228.5304, 11884892.7457	7008236.6755, 11884891.7632	
L10	4.94		N10° 37' 25.64"W	0+00.01	0+04.94	7008236.6755, 11884891.7632	7008241.5285, 11884890.8529	
L11	1.36		S87° 47' 19.61"W	0+25.01	0+26.37	7008255.0830, 11884879.2987	7008255.0304, 11884877.9371	
L12	4.25		S88° 07' 28.93"W	0+26.37	0+30.63	7008255.0304, 11884877.9371	7008254.8912, 11884873.6848	
L13	13.48		S86° 36' 04.27"W	0+30.63	0+44.10	7008254.8912, 11884873.6848	7008254.0923, 11884860.2333	
L14	11.43		S87° 57' 17.19"W	0+44.10	0+55.53	7008254.0923, 11884860.2333	7008253.6844, 11884848.8102	
L15	0.36		N38° 55' 31.12"W	0+04.94	0+05.30	7008241.5285, 11884890.8529	7008241.8089, 11884890.6264	
L16	4.10		N7° 01' 46.68"W	0+05.30	0+09.40	7008241.8089, 11884890.6264	7008245.8758, 11884890.1249	

### CONTROL DATA:

GPS SATELLITE DATA WAS COLLECTED FOR POINTS 6 & 8 ON 02/2014.

POINT#	NORTHING	EASTING	ELEV.	DESC.
6	7008314.1894	11884755.8469	226.83	DRILL HOLE
8	7008332.4366	11884924.6565	215.90	DRILL HOLE
100	7008471.2683	11884893.8912	216.83	DRILL HOLE
921	7008296.6052	11885059.3816	212.46	DRILL HOLE
929	7008246.2296	11884656.6490	233.66	DRILL HOLE
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3042	7008064.4375	11884922.6544	232.57	BRICK NAIL

ARLINGTON VIRGINIA

DEPARTMENT OF

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FACILITIES & ENGINEERING DIVISION
ENGINEERING BUREAU

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APPROVALS

Amy Pflaum 10/24/22
QUANITY CONTROL ENGINEER 11/22/22

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER, STREETS BUREAU CHIEF

Dennis M. Leach 11/07/22

Pennis M. Leach 11/07
ANSBORTATION DIRECTOR 10/26

REVISIONS

\_\_\_\_\_

. & N. BARTON ST. P31D IOTH ST. N. & N. BARTON ST.

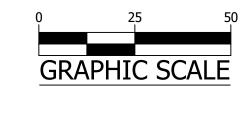
INTERSECTION @ 10TH ST. N. & N. I

GEOMETRIC

DESIGNED: K.PATEL
DRAWN: K. PATEL
CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

SCALE:



C045.1

PARKING LANES, EDGE LINES, LANE LINES

LANE TRANSITIONS, TURN LANE SKIPS

DIVIDED TRAFFIC, TWO WAY TURN LANES

LANE TRANSITIONS, TURN LANE SKIPS

PAVEMENT LETTERS (STOP, YIELD, BUS, ONLY, etc.)

CONTINENTAL CROSS WALKS

HATCH LINES, SAFETY ZONES

DASHED LANE LINES

STOP BARS

EDGE LINES

TURN LANES

TURN LANES

GORE MARKINGS

LANE TRANSITIONS

VDOT - STOP BARS

LANE TRANSITIONS

STANDARD PAVEMENT MARKING LEGEND

WHITE 4" WIDTH, 10' LONG, 30' SPACING

YELLOW 4" WIDTH, 10' LONG, 30' SPACING

WHITE 6" WIDTH, 10' SPACING @45 DEGREE

WHITE 6" WIDTH, 2' LONG, 10' SPACING

WHITE 6" WIDTH, 2' LONG, 4' SPACING

YELLOW 4" WIDTH, DOUBLE LINE, 4" SPACING CENTERLINES

WHITE 12" WIDTH, 20' SPACING @45 DEGREE GORE MARKINGS

WHITE 4" WIDTH, DOUBLE LINE, 4' SPACING CURB EXTENSIONS

WHITE 4" WIDTH, 2' LONG 10' SPACING

WHITE 4" WIDTH

WHITE 18" WIDTH

WHITE 24" WIDTH

WHITE 6" WIDTH

YELLOW 4" WIDTH

WHITE SINGLE ARROW

WHITE 8' LETTERS

WHITE 24" WIDTH

T TYPE B CLASS 1 YELLOW 6" WIDTH, 2' LONG, 4' SPACING

WHITE COMBINATION ARROW

YELLOW 8" WIDTH @45 DEGREE

A TYPE B CLASS 1

(I) TYPE B CLASS 1

① TYPE B CLASS 1

(K) TYPE B CLASS 1

### **CONSTRUCTION SIGNAGE NOTES**

5 ERADICATE AS NECESSARY ANY EXISTING PAVEMENT

All existing signage to remain unless otherwise noted.

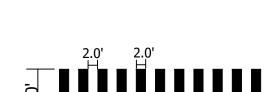
# **PAVEMENT MARKING NOTES:**

- 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 DES-TRANSPORTATION ENGINEERING & OPERATIONS CONSTRUCTION MANAGEMENT SPECIALIST OR HIS DESIGNEE AT 703-228-6598 OR 571-437-1077 TO APPROVE MARKING LAYOUT 48 HOURS 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. ARLINGTON COUNTY MARKING STANDARDS.
- 4. ALL MARKINGS SHALL BE THERMOPLASTIC PER ARLINGTON COUNTY MARKING
- 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 COUNTY MARKING STANDARDS.
- 8. 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 NUBS OR WHERE OTHERWISE INDICATED. TURN LANES, TRANSVERSE CROSS WALKS, BIKE LANES
  - 9. SHARED LANE MARKINGS SHALL BE PLACED IN CENTER OF LANE, 250' APART UNLESS OTHERWISE SPECIFIED.
  - 10. BIKE LANE SYMBOLS TO BE PLACED 330' APART UNLESS OTHERWISE SPECIFIED.
  - 11. EDGE LINES ARE ONLY REQUIRED WHERE SHOWN ON THE PLANS.
  - 12. FOR DETAILS SEE ARLINGTON COUNTY PAVEMENT MARKING SPECIFICATION, DETAILS MK-1 TO MK-12

### **SIGN NOTES:**

STANDARDS.

- 1. FOR ALL SIGN POSTS PLACED IN CONCRETE USE 7 GAUGE HEAVY DUTY ANCHOR (30"X2.50") WITH HARDWARE FOR 2" POST. USE  $\frac{5}{16}$ " CORNER BOLT WITH FLANGED NUT AND  $\frac{3}{8}$ " DRIVER RIVET WITH WASHER.
- 2. CONTACT TE&O CONSTRUCTION MANAGER OR HIS DESIGNEE AT 703-228-6598 OR 571-437-1077 48 HRS PRIOR TO POURING CONCRETE. ALTERNATIVE CONTACT AT 703-228-3788 **(R)** 571-414-7497.



HIGH VISIBILITY CROSSWALK NOT TO SCALE **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

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**APPROVALS** 

Amy Pflaum QUALITY CONTROL ENGINEER

CONSTRUCTION MANAGEMENT SUPERVISO WATER, SEWER, STREETS BUREAU CHIEF

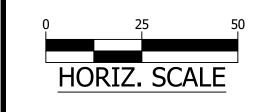
**REVISIONS** 

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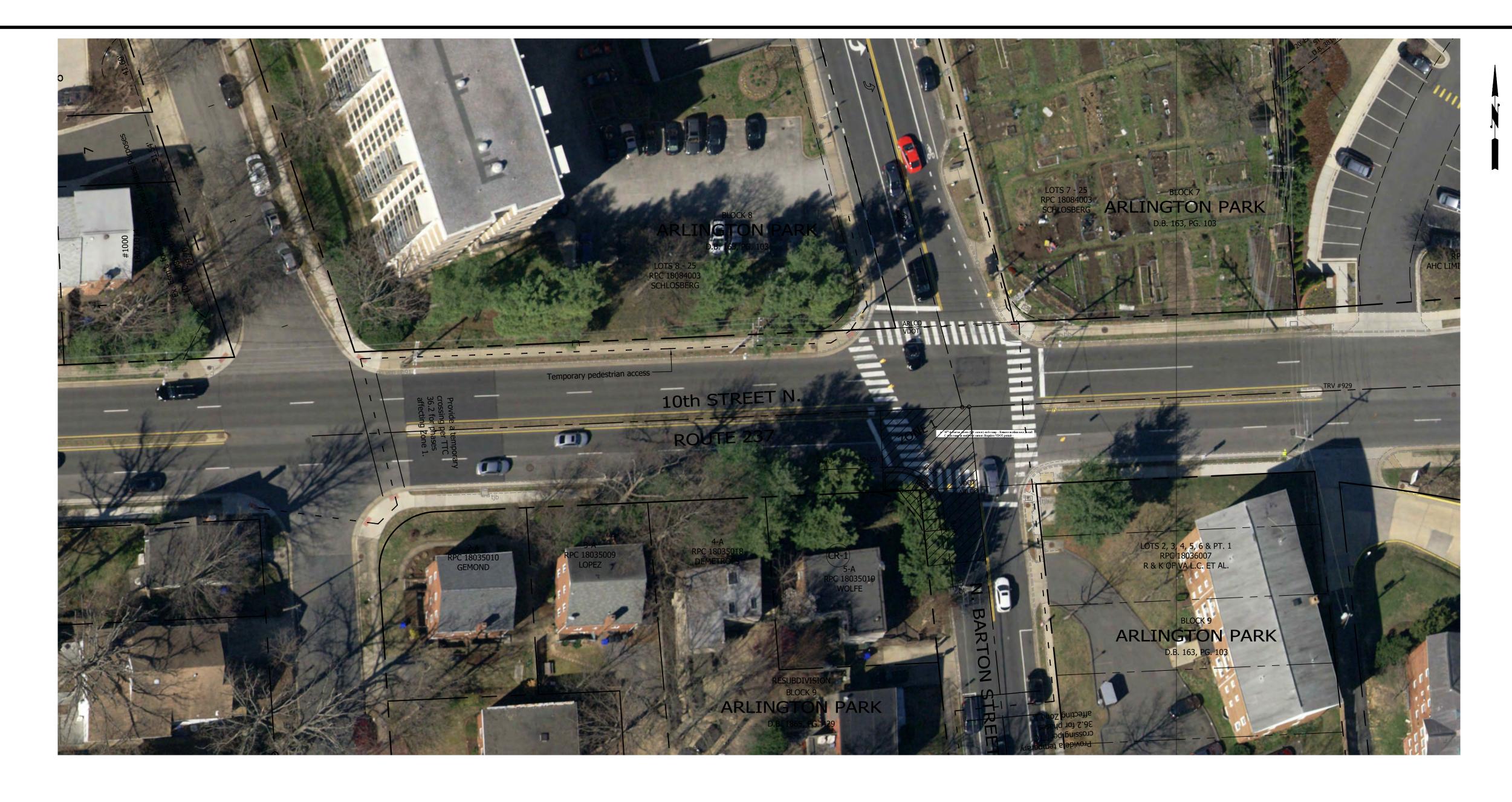
DESIGNED: K.PATEL DRAWN: K. PATEL CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

SCALE:



C101.

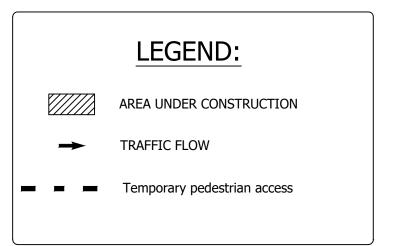


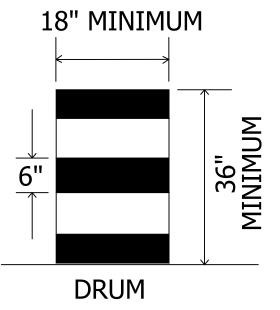
### MAINTENANCE OF TRANSPORTATION PLAN

ZONE TABLE									
ZONE # 1	TTC # VEHICULAR PEDESTRIAN		COMMENTS	MAXIMUM DURATION	WORK HOURS				
	TTC# 28.2		LANE CLOSURE OPERATION IN AN INTERSECTION	3 WEEKS	9:30 AM TO 3:00 PM				
	TTC# 17.2		INSIDE LANE CLOSER OPERATION ON A FOUR LANE ROADWAY						
		TTC# 36.2	CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION						

NOTES: 1. WARNING SIGN SPACING: 100'

2. CHANNELIZATION DEVICES SPACING FOR TRANSITION AREAS = 20'





NOTES: DRUM SPACING IS 20 FEET ON TRANSITIONS AND CURVES.

Virginia Department of Transportation REVIEW OF WORKING DRAWINGS

Working drawings have been reviewed in accordance with Section 105.10 2016 VDOT Road & Bridge Specifications

REVIEW COMPLETED

CORRECT & RESUBMIT

REJECTED - SEE REMARKS

Reviewed by: \_\_\_\_\_ Date:\_\_\_\_\_

# **REVIEWED**

By Brian E. Fry at 12:48 pm, Feb 15, 2023

Commonwealth of Virginia VDDT Virginia Department of Transportation VERIFICATION OF COMPLETION OF VOOT ADVANCED WORK ZONE TRAFFIC CONTROL TRAINING AND FLAGGER CERTIFICATION

This is to verify that Kirti Patel has successfully completed training and an examination by the Department on the proper practices and methods for the installation, maintenance, removal of temporary traffic control devices and flagging operations.

Expiration Date: 7/31/2026 Verification Number: 070722120

### **WORKING HOURS:**

IN ARLINGTON RIGHT-OF-WAY: 9:30 AM TO 3:00 PM (MON.-FRI.) AND 9:30 AM TO 2:00 PM (FRIDAY) AS SECTION OF 10TH STREET N. IS STATE ROAD. (BETWEEN N. BARTON STREET AND ROUTE 50 (ARLINGTON BLVD.)

1. 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 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. THE CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER OF PARKING RESTRICTION NEEDS A MINIMUM OF 3 BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK FOR EACH SEGEMENT. COUNTY PROJECT
- 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.
- 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.
- PEDESTRIAN TRAFFIC SHALL BE SEPARATED FROM WORK ZONES WITH APPROPRIATE MEASURES IN ACCORDANCE WITH MUTCD.

OFFICER SHALL RESTRICT PARKING BY CONTACTING DES - PERMITTING SECTION, 703-228-4798.

- 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
- 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
- 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.

**ARLINGTON** 

**VIRGINIA** DEPARTMENT OF **ENVIRONMENTAL SERVICES FACILITIES & ENGINEERING DIVISION** 

ENGINEERING BUREAU 2100 CLARENDON BOULEVARD, SUITE 813

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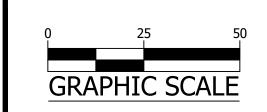
**REVISIONS** 

S

DESIGNED: K.PATEL DRAWN: K. PATEL CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023

SCALE:



C121.1

September 2019

ILLUMINATED FLASHING

(AMBER CAUTION MODE

TYPE B OR C

SEE NOTE 9

ILLUMINATED FLASHING

ARROW BOARD

TYPE C

SEE NOTES 4 & 8

Page 6H-43

(CENTER TO CENTER)

POSTED/STATUTORY SPEED LIMIT

SHADOW VEHICLE

REQUIRED

(TMA REQUIREMENT

SEE NOTE 10)

SUPPLEMENTAL

PTRS OPTIONAL

SEE NOTE 14

SEE NOTE 6

SEE NOTES 2 & 4

15 FEET

PTRS OPTIONA

SEE NOTE 13

W20-V28R

REQUIRED

WITH PTRS

SEE TABLE 6H-3

SEE NOTE 5

SEE TABLE 6H-3

--FLAGGER

**STATION** 

September 2019

SEE NOTE 3

**Lane Closure Operation in an Intersection** 

(Figure TTC-28.2)

SEE NOTE 5

S **3TON QNA** 

SEE BOTTOM RIGHT

FOR SIGN LAYOUT

SEE NOTE 5

10 FEET

15 FEET 20 FEET

PTRS SPACING (CENTER TO CENTER)

POSTED/STATUTORY SPEED LIMIT

41 - 55 MPH

SEE NOTE 3

SEE TABLE 6H-3

BUFFER

NOITATS

FLAGGER

September 2019

**CONSTRUCTION NOTES** 

CONTACT TRANSPORTATION ENGINEERING OPERATIONS AT 703-228-6598 OR 571-437-1077 AND THE PROJECT OFFICER TO APPROVE MARKING

4. ONE LANE CLOSURE IN EACH DIRECTION OF TRAFFIC WILL BE PERMITTED FOR FINAL PAVEMENT OVERLAY.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN THE FLOW OF TRAFFIC ON ANY INTERSECTION WITHIN THE WORK AREA.

TWO WEEKS PRIOR TO STARTING CONSTRUCTION.

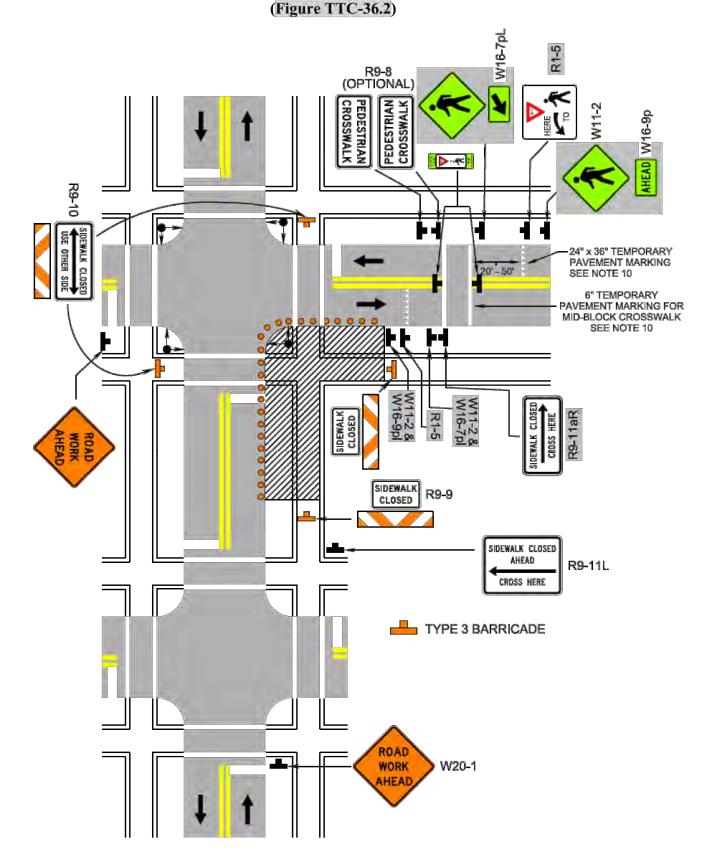
THE CONTRACTOR SHALL SUBMIT ANY REQUESTS FOR TEMPORARY "NO PARKING" RESTRICTIONS TO THE PROJECT OFFICER AT LEAST 3 WORKING DAYS PRIOR TO THE DESIRED ONSET OF RESTRICTIONS. PRIOR TO A REQUEST FOR THE REMOVAL OF ACCESS TO ANY ADA PARKING SPACE THE CONTRACTOR MUST HAVE MADE PROVISION FOR ALTERNATIVE ADA PARKING AS INDICATED ON THE APPROVED PLAN OR AS DIRECTED BY

LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK.

ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT DES - PERMITING, 703-228-4798, TO COORDINATE RELOCATION OF EXISTING ADA ACCESSIBLE PARKING SPACES OR TO INSTALL TEMPORARY SIGNAGE OUT OF AND ADJACENT TO THE WORK ZONE AS CONSTRUCTION PROGRESSES. MULTIPLE RELOCATIONS MAY BE NECESSARY DURING EACH

### **PEDESTRIAN NOTE:**

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.



**Crosswalk Closure and Pedestrian Detour Operation** 

1: Revision 1 - 4/1/20152: Revision 2 – 7/1/2018

September 2019

Page 6H-42 September 2019

PCMS - SEE NOTE 3

**Inside Lane Closure Operation on a Four-Lane Roadway** 

(Figure TTC-17.2)

### **Typical Traffic Control** Inside Lane Closure Operation on a Four-Lane Roadway (Figure TTC-17.2)

**NOTES** 

Standard:

W20-V28L REQUIRED WITH PTRS

2: Revision 2 – 9/1/2019

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

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

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

					Taper	Leng	gth L					
Speed Limit (mph)	Lane Width (Feet)					Speed	Lane Width (Feet)					
	9	10	11	12	Remarks		Limit (mph)	9	10	11	12	Remarks
25	95	105	115	125	L=S2W/60		50	450	500	550	600	L=SW
30	135	150	165	180	L=S2W/60		55	495	550	605	660	L= SW
35	185	205	225	245	L=S <sup>2</sup> W/60		60	540	600	660	720	L=SW
40	240	270	295	320	L=S2W/60		65	585	650	715	780	L=SW
45	405	450	495	540	L=SW		70	630	700	770	840	L=SW
Limited Access highways shall use a 1000' merging taper regardless of the posted speed.												
Shifting Tapers see Table 6H-2.2							Shoulde	r Taper	= 1/3 L N	linimun	n	

7. Channelizing device spacing shall be at the following: Speed Limit Location

Location Spacing 0 -35 | 36 + Spacing Spacing 40' 80' \*Construction Access 80' 120' 20' 40' Travelway \*Construction access spacing may be increased to this distance, but shall not exceed one access per ¼ mile.

8. An arrow board shall be used when a lane is closed. When more than one lane is closed, a separate arrow board shall be used for each closed lane (see Figure TTC-18).

9. The buffer space length shall be shown in Table 6H-3 on Page 6H-5 for the posted speed limit. 10. A shadow vehicle with either a Type B or C arrow board operating in the caution mode, or at

least one high intensity amber rotating, flashing, or 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 truckmounted attenuator shall be used.

11. 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<sup>1</sup> oscillating lights.

12. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.

13. PTRS and their supporting signs may be used, see sections 6F.99 and 6G.25. Long-term transverse rumble strips may be used in long-term situations, see Section 6F.99 and TTC-20.2 14. The supplemental PTRS may be eliminated.

1: Revision 1 – 4/1/2015 2: Revision 2 – 9/1/2019 Page 6H-64

2: Revision 2 – 9/1/2019

### **Typical Traffic Control** Lane Closure Operation in an Intersection (Figure TTC-28.2)

**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 District Traffic

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. 3. To maintain efficient traffic flow in a flagging operation on a two-lane roadway the maximum time

motorist should be stopped at a flagger station is 8 minutes for high volume roadways (average daily traffic of 500 or more vehicles per day) to a maximum of 12 minutes for low volume roadways (less than 500 vehicles per day). For additional information see Section 6E.07.2

### **Standard:**

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

5. PTRS shall be used as noted in Section 6F.99.

### Guidance:

6. If room permits, a shadow vehicle with at least one rotating amber light or high intensity amber flashing or oscilllating<sup>1</sup> light should be parked 80'-120' in advance of the first work crew. Standard:

7. For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or high intensity amber flashing or oscillating<sup>1</sup> 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:

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

### Support:

9. 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.

Page 6H-80

### **Typical Traffic Control** Crosswalk Closure and Pedestrian Detour Operation (Figure TTC-36.2)

**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.

- 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.

### Standard:

8. In order to maintain the systematic use of the fluorescent yellow-green background for school warning signs in a jurisdiction, the fluorescent yellow-green background for school warning signs shall be used in TTC zones.2

9. All sidewalk closures shall be closed with Type 3 Barricades. The SIDEWALK CLOSED (R9-9) sign and the SIDEWALK CROSS HERE (R9-11) sign shall be installed above the Type 3 Barricade. The KEEP RIGHT sign can cover the top rail of the Type 3 Barricade.<sup>2</sup>

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

### Standard:2

11. The YIELD HERE TO PEDESTRIANS (R1-5) sign shall be placed at the Yield Line.

12. Fluorescent yellow-green PEDESTRIAN TRAFFIC (W11-2) symbol sign, AHEAD (W16-9p) plaque and ARROW (W16-7p) plaque shall be used to identify the work zone crosswalk.

FOR ALL ARTERIAL STREETS, PORTABLE VARIABLE MESSAGE SIGNS WITH CLOSURE INFORMATION MUST BE INSTALLED AHEAD OF THE PROJECT SITE AT EACH VEHICULAR APPROACH 3 WEEKS PRIOR TO STREET CLOSURE IN LOCATIONS DIRECTED BY THE PROJECT OFFICER.

CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.

LAYOUT 48 HOURS PRIOR TO INSTALLATION OF MARKINGS.

THE CONTRACTOR SHALL NOTIFY ARLINGTON COUNTY PUBLIC SCHOOLS

THE PROJECT OFFICER

WHEN THE APPROVED PLAN CALLS FOR THE REMOVAL OF ANY PARKING METER THE CONTRACTOR MUST MAKE A REQUEST TO THE PROJECT OFFICER AT LEAST ONE WEEK IN ADVANCE OF THE DESIRED REMOVAL. THE PROJECT OFFICER WILL THEN COORDINATE THE PARKING METER REMOVAL WITH TRAFFIC ENGINEERING AND OPERATIONS.

### **MOT NOTES:**

PARKING SHALL BE RESTRICTED BY THE COUNTY AS PART OF THE RIGHT OF WAY PERMIT. CONTACT DES-PERMITTING SECTION, 703-228-4798, AT

ALL TEMPORARY BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.

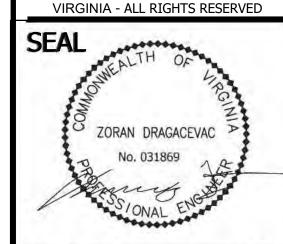
THE CONTRACTOR SHALL MAINTAIN ADA ACCESSIBLE PARKING SPACES AT

**ARLINGTON** 

**VIRGINIA** DEPARTMENT OF **ENVIRONMENTAL SERVICES** FACILITIES & ENGINEERING DIVISION ENGINEERING BUREAU

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APPROVALS 10/24/22 Amy Pflaum QUALITY CONTROL ENGINEER 11/22/22 CONSTRUCTION MANAGEMENT SUPERVISO WATER, SEWER, STREETS BUREAU CHIEF Dennis M. Leach

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BARTON

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10TH

OF, MAINTENANC

DESIGNED: K.PATEL DRAWN: K. PATEL CHECKED: Z. DRAGACEVAC

PLOTTED: MARCH 2 2023 SCALE:

AS SHOWN

C122.1

10TH ST. N. & N. BARTON ST. P31D

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

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