



DEPARTMENT OF ENVIRONMENTAL SERVICES

Signal Systems and ITS
Traffic Engineering and Operations Bureau
2100 Clarendon Boulevard, Suite 900, Arlington, VA 22201
Phone: 703.228.3629 Fax: 703.228.3606 www.arlingtonva.us

Construction Drawings For: Arlington Boulevard Signal Upgrades

Signalized Pedestrian Crossing Of:

- Arlington Boulevard At North Montague Street
- ID #34

Location Map Scale: 1"=2000' Vicinity

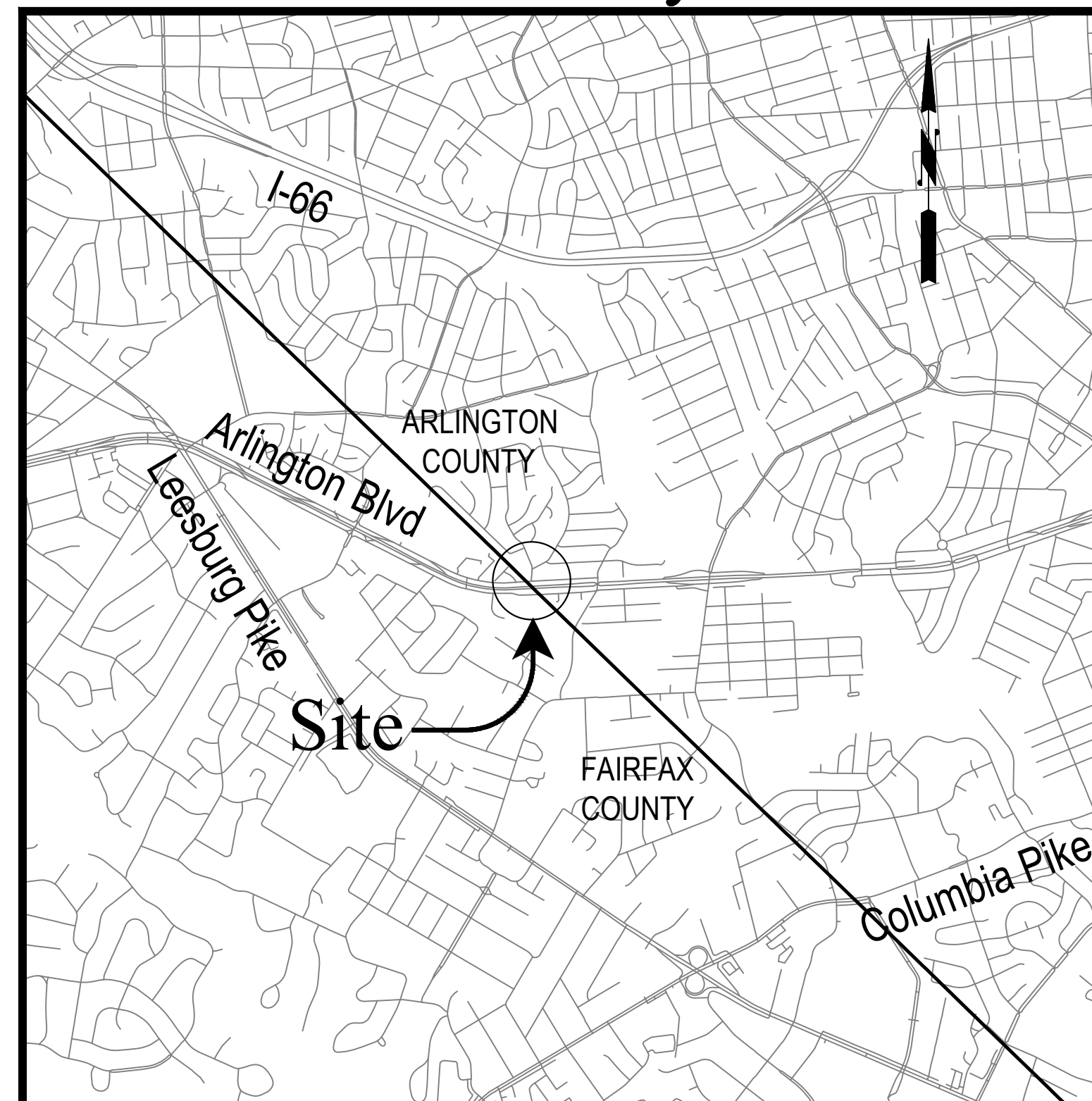


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ARLINGTON BOULEVARD AT NORTH MONTAGUE STREET SIGNAL UPGRADES

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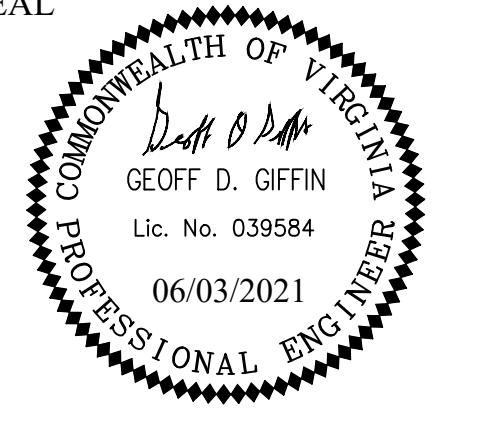
EXHIBIT A	AUTOTURN EXHIBIT
EXHIBIT B	SWPPP EXHIBIT
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Transportation Planning Bureau
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SEAL



APPROVALS DATE

	6/2/2021
	06/02/21
	06.03.2021
	06/02/2021
	06/03/21

REVISIONS DATE

THIS PROJECT CONSISTS OF TRAFFIC SIGNAL MODIFICATIONS AT THE PEDESTRIAN CROSSING OF ARLINGTON BOULEVARD AT NORTH MONTAGUE STREET. THE SIGNAL MODIFICATIONS INCLUDE REMOVING ALL EXISTING EQUIPMENT AND REPLACING WITH NEW EQUIPMENT, ACCESSIBLE PEDESTRIAN SIGNAL DEVICES, BUS STOP IMPROVEMENTS, AND LIMITED SIDEWALK AND CURB AND GUTTER MODIFICATIONS.

SWM 20-0188

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 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.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PICK-UP AND DELIVERY OF THE BUS STOP SHELTER UNITS AND SITE FURNISHINGS FROM THE ARLINGTON COUNTY'S BUS SHELTER STORAGE WAREHOUSE LOCATED AT 2900 S. EADS STREET, ARLINGTON VA 22202. CONTRACTOR SHALL COORDINATE THE PICK-UP WITH ASSIGNED COUNTY STAFF AT LEAST FORTY EIGHT (48) HOURS PRIOR TO THE DELIVERY.

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 PARKS & RECREATION STANDARD.

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.
- THE CONTRACTOR SHALL PRESERVE ALL BUS STOPS, INCLUDING MAINTAINING ADEQUATE ACCESSIBILITY THROUGH AND ADJACENT TO THE CONSTRUCTION FOR BUSES AND THEIR PASSENGERS. THE CONTRACTOR SHALL NOT CLOSE, RELOCATE, OR OTHERWISE MODIFY A BUS STOP WITHOUT PRIOR REQUEST OF THE PROJECT OFFICER. TYPICALLY ANY RELOCATION OR CLOSURE OF A BUS STOP WILL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR - 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.

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
ARLINGTON BOULEVARD - PRINCIPAL ARTERIAL - SPEED LIMIT 45 MPH	
ARLINGTON BOULEVARD (RTE 50)	
AADT (2019)	60,000 VPD
AADT (DESIGN YR)	N/A
V DESIGN (mph)	45

I CERTIFY THAT THIS PROJECT WAS BUILT IN SUBSTANTIAL CONFORMANCE WITH THIS PLAN, UNLESS DULY NOTED IN THE ABOVE REVISION BLOCK.

PROJECT MANAGER _____ DATE _____

CONSTRUCTION MANAGER _____ DATE _____

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
COVER SHEET
ARLINGTON COUNTY, VIRGINIA

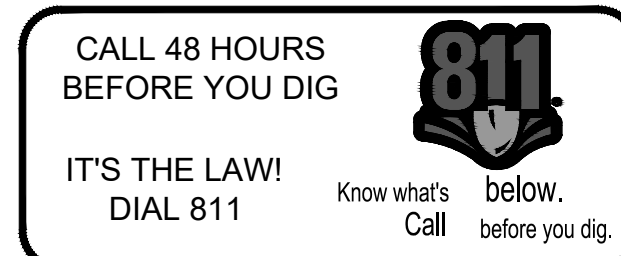
Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

Scale: HOR. N/A VERT. N/A



Sheet 0000



LEGEND AND SURVEY DATA

Existing Symbols Proposed

	Storm Str. #		
	Catch Basin		
	Sanitary Manhole		
	Sanitary Str. #		
	Fire Hydrant		
	Watermain Reducer		
	Water - Valve		
	Blowoff Valve		
	Water - Cross		
	Water - Tee		
	Water - Typical Bend		
	Water Meter		
	Water Cap		
	Water - Manhole Cover		
	Siamese Connection		
	CableTV Pedestal		
	Electrical Box		
	Telephone Pedestal		
	Cobrahead Light		
	Carlyle Light		
	Ground Light		
	Light Pole		
	Utility Pole		
	Guy Wire		
	Utility Cover		
	Gas Valve		
	Gas Line Marker		
	Test Hole		
	Bollard		
	Mailbox		
	Parking Meter		
	Sign		
	Traffic Mast Arm Pole		
	Traffic Pedestrian Pole		
	Traffic Control Box		
	Traffic Electrical Box		
	Traffic Junction Box		
	Traffic Service Meter		
	Coniferous Tree		
	Deciduous Tree		
	Bush/Hedge/Shrub		
	Construction Notes		
	Benchmark		
	Monument (GPS)		
	Monument		
	Iron Rod Found		
	Iron Pipe Found		
	Rebar Rod Found		
	P.K. Nail Found		
	Traverse		

#14589 TOP = 299.45 15" RCP OUT = 296.29 (14694)
#14694 TOP = 292.27 18" RCP IN = 287.77 (14589) 21" RCP OUT = 287.72 (14729)
#14729 TOP = 293.38 21" RCP IN = 286.84 (14694) 21" RCP OUT = 286.78 (14746)
#14746 TOP = 286.52 (14729)
#14763 24" RCP = 284.28 (14765)
#14765 24" RCP = 285.32 (14763)
#14861 TOP = 279.39 15" RCP IN = 275.30 (14887) 15" RCP OUT = 275.12 (14853)
#14853 TOP = 261.47 15" RCP IN = 257.57 (14861) 15" RCP IN = 258.00 (14880) 24" RCP OUT = 256.57 (14836)

STORM DRAIN INVERTS

#14878 LOCATION UNKNOWN
#14887 TOP = 280.23 15" RCP OUT = 276.58 (14861)
#14890 TOP = 288.22 15" RCP IN = 284.37 (SD101) 15" RCP OUT = 284.22 (14937)
#14898 TOP = 298.31 15" RCP IN = 292.17 (SD100) 24" RCP IN = 289.41 (UNKNOWN) 27" RCP IN = 292.07 (14878) 24" RCP OUT = 288.77 (14937)
#14937 TOP = 288.09 24" RCP IN = 281.28 (14898) 15" RCP IN = UNKNOWN (14890) 24" RCP OUT = 281.48 (14859)
#14959 TOP = 286.87 24" RCP IN = 281.62 (14937)

SANITARY SEWER INVERTS

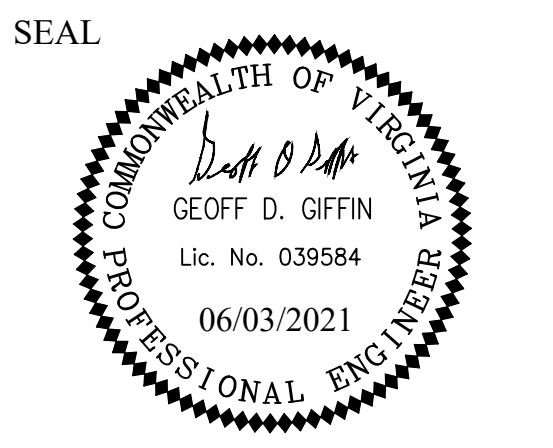
#10513 TOP = 298.74 C/L INV. = 288.75	#10655 TOP = 270.49 C/L INV. = 264.21
#10567 TOP = 278.08 C/L INV. = UNKNOWN	#10660 TOP = 282.26 C/L INV. = 274.38
#10576 TOP = 290.98 C/L INV. = 282.85	#10662 TOP = 288.19 C/L INV. = 281.09
#10591 TOP = 306.96 C/L INV. = 297.37	#10667 TOP = 293.66 C/L INV. = 287.08
#10648 TOP = 318.17 C/L INV. = 306.94	#SAN101 TOP = 302.51 C/L INV. = 290.58
#10649 TOP = 299.81 C/L INV. = 290.54	#SAN100 TOP = 294.45 C/L INV. = UNKNOWN

OHW



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APPROVALS	DATE
 TRAFFIC SIGNAL ENGINEER	6/2/2021
 TRAFFIC ENGINEERING MANAGER	06/02/21
 WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
 TE&O BUREAU CHIEF	06/02/2021
 TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
LEGEND AND SURVEY DATA
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

Scale: HOR. N/A VERT. N/A



Sheet 0001

General Signal Notes

- ALL WORK FOR TRAFFIC SIGNALS, TRAFFIC SIGNS, AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE LATEST EDITION OF THE ARLINGTON COUNTY TRAFFIC SIGNAL & STREETLIGHT SPECIFICATIONS, 2016 VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, 2016 VDOT ROAD AND BRIDGE STANDARDS, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PRODUCTION MANUAL, AND SPECIAL PROVISIONS IN EFFECT AT THE TIME OF ADVERTISEMENT.
- FIVE WORKING DAYS PRIOR TO COMMENCING SIGNAL INSTALLATION/MODIFICATION WORK AT ANY LOCATION IN ARLINGTON COUNTY, VIRGINIA, SIGNAL CONTRACTORS MUST NOTIFY THE COUNTY ENGINEER IN WRITING WITH THE NAME, DAYTIME PHONE NUMBER, AND EMERGENCY PHONE NUMBERS OF THE CONTRACTOR. THIS NOTIFICATION IS TO INCLUDE LOCATION, ROUTE NUMBERS, TYPE, AND DETAILS OF CONSTRUCTION AND SCHEDULE OF WORK.
- THE TRAFFIC SIGNAL CONSTRUCTION SHALL NOT BEGIN WITHOUT PRIOR NOTIFICATION AND APPROVAL FROM ARLINGTON COUNTY.
- THE COUNTY ENGINEER, PRIOR TO CONSTRUCTION, SHALL VERIFY POLE(S) AND CONTROLLER CABINET LOCATIONS.
- ALL CATALOG CUTS, POLE CALCULATIONS, FOUNDATION DESIGNS, SHOP DRAWINGS, ETC., SHALL BE SUBMITTED TO, AND APPROVED BY, ARLINGTON COUNTY PRIOR TO CONSTRUCTION.
- OPERATION OF THE SIGNALIZED INTERSECTION IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE TRAFFIC SIGNAL IS ACCEPTED BY ARLINGTON COUNTY.
- ANY NOTES NOT MENTIONED IN THE NOTES SECTION OF THIS SIGNAL PLAN WILL REVERT TO THE ARLINGTON COUNTY STANDARDS.
- CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL COMMUNICATION THROUGHOUT THE PROJECT.
- ALL NEW CONTROLLER CABINETS MUST BE FURNISHED WITH A BACKUP POWER BATTERY

- 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 UTILITY LATERALS ARE NOT LOCATED. CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITY LATERALS AND IS RESPONSIBLE FOR ANY DAMAGE TO PRIVATE UTILITY LATERALS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, SIDEWALK, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SIGNING, DELINEATION, PAVEMENT MARKINGS AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY TO PERFORM THE WORK IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY REMOVE ALL TEMPORARY DEVICES.
- THE CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS TO ARLINGTON COUNTY UPON JOB COMPLETION AND FINAL INSPECTION.
- EXISTING CONTROLLER AND CABINETS SPECIFIED TO BE REMOVED SHALL BE RETURNED TO ARLINGTON COUNTY.
- CCTV LOCATIONS AND QUANTITIES ARE FOR PLANNING PURPOSES ONLY. THE FINAL LOCATIONS SHALL BE FIELD LOCATED.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ON ADJUSTMENT OF OVERHEAD CABLES TO INSTALL MAST ARM SIGNAL POLES.

Signal Notes

A. POLES AND FOUNDATIONS

- MAST ARM LENGTH IS TO BE AS SHOWN ON PLAN AND ALL MAST ARMS ARE TO BE FIELD DRILLED ONLY.
- MAST ARM POLES SHALL BE DESIGNED TO THE PROPER HEIGHT TO ACCOMMODATE A STREET LIGHT LUMINAIRE AND INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY TRAFFIC SIGNAL & STREETLIGHT SPECIFICATIONS.
- MAST ARM POLE FOUNDATIONS SHALL BE INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS AND SPECIFICATIONS. ALL POLES SHALL HAVE A 6-BOLT PATTERN.
- AT THE COUNTY'S REQUEST, THE CONTRACTOR SHALL DIG TEST PITS TO VERIFY THAT SIGNAL POLE FOUNDATIONS WILL NOT CONFLICT WITH UNDERGROUND UTILITIES AND THAT FOUNDATIONS WILL FIT WITHIN THE EXISTING RIGHT-OF-WAY.
- SIGNAL POLES AND MAST ARMS SHALL BE NON-ORNAMENTAL. COBRA LIGHTING SHALL BE LED.
- COBRA LIGHTING SHALL BE LED TYPE RFL-145W64LED4K-T-R2M-UNIV-DMG-PH8-RCD7-[USA-003]-BK. DECORATIVE POST-TOP LIGHTING SHALL BE HADCO DECORATIVE POST-TOP LUMINAIRE WITH RELUME LED KIT (UAZ XRE LED 57.69W).

B. CONTROLLER AND FOUNDATION

- NEW CONTROLLER CABINETS SHALL BE TS2, P TYPE WITH BATTERY BACKUP PER ARLINGTON COUNTY REQUIREMENTS.
- CONTROLLER SHALL BE INTELIGHT X-3 AND SHALL BE INSTALLED AND SET AS FOLLOWS:
 - TO REST IN PHASE 2 & 6 GREEN INTERVAL
 - TO START/RESTART IN PHASE 2 & 6 YELLOW CHANGE INTERVAL
- THE CONTROLLER CABINET AND FOUNDATION SHALL BE INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY TRAFFIC SIGNAL & STREETLIGHT SPECIFICATIONS 66-01, 66-02, AND 70-01.
- THE COUNTY WILL PROVIDE SIGNAL TIMINGS TO THE CONTRACTOR FOR THE CONTROLLER WHEN THE INTERSECTION IS TOTALLY PREPARED FOR OPERATION. THE CONTRACTOR SHALL NOTIFY THE COUNTY IN WRITING 10 DAYS IN ADVANCE OF REQUIRING FINAL TIMINGS.

C. TRAFFIC SIGNAL HEADS

- ALL NEW VEHICULAR SIGNAL SECTIONS SHALL BE 12 INCHES IN DIAMETER CAST ALUMINUM WITH LED DISPLAYS.
- PEDESTRIAN SIGNAL HEAD SECTIONS SHALL BE CAST ALUMINUM WITH LED DISPLAYS (COUNTDOWN).
- ALL SIGNAL HEADS SHALL BE YELLOW IN COLOR.

D. DETECTORS

- ALL NEW PEDESTRIAN PUSH BUTTON STATIONS SHALL CONFORM TO ARLINGTON COUNTY'S SPECIFICATIONS FOR ACCESSIBLE SIGNAL DESIGN AND SHALL USE POLARA NAVIGATOR VIBRO-TACTILE/AUDIO PUSH BUTTON ASSEMBLIES UNLESS OTHERWISE SPECIFIED.
- NEW OVERHEAD VIDEO DETECTION SHALL BE FLIR CAMERAS AND SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY REQUIREMENTS.
- EMERGENCY VEHICLE PRE-EMPTION (EVP) EQUIPMENT (GTT MODEL M711 OR M721), OR APPROVED SUBSTITUTE, SHALL BE INSTALLED COMPLETE WITH DISCRIMINATOR CARDS, WIRING, ETC. IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS.
- EVP TO BE MOUNTED ON VEHICLE HEAD MOUNTING BRACKET OR AS APPROVED BY THE ENGINEER IN THE FIELD.

E. CONDUIT, CONDUCTORS, AND ELECTRICAL

- ALL JUNCTION BOXES SHALL HAVE THE WORDS "ARLINGTON COUNTY TRANSPORTATION" CAST IN THE LID. ALL JUNCTION BOXES SHALL BE INSTALLED PER STANDARDS 61-01, 61-02, 61-03, AND 61-04.
- METER PEDESTAL SHALL BE INSTALLED PER COUNTY STANDARDS. UNDERGROUND SERVICE SHALL BE OBTAINED FROM THE NEAREST UTILITY POLE OR SERVICE POINT. CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL AND COORDINATING WITH POWER SERVICE COMPANY FOR CONNECTION.
- CONDUIT SYSTEM SHALL BE ADDED TO CONNECT EXISTING COMMUNICATION CABLE PLANT TO THE NEW CONTROLLER CABINET LOCATION AS DIRECTED BY THE COUNTY ENGINEER.
- ALL CONDUIT ENTERING INTO JUNCTION BOXES SHALL NOT EXTEND OVER 3" MAXIMUM NOR 2" MINIMUM INSIDE THE JUNCTION BOXES, AND SHALL BE FITTED WITH BELL ENDS OR BUSHING.
- ALL JUNCTION BOXES SHALL HAVE A GROUND ROD INSTALLED. ALL JUNCTION BOXES SHALL BE PROPERLY CONNECTED TO THE INTERSECTION GROUNDING SYSTEM. METAL LIDS SHALL BE BONDED TO THE GROUNDING SYSTEM.
- CONTRACTOR IS TO VERIFY DEPTHS OF UTILITIES AT PROPOSED CONDUIT CROSSINGS PRIOR TO EXCAVATING CONDUIT TRENCHES OR BORING.
- ALL CONDUITS BENEATH ROADWAYS SHALL BE DIRECTIONAL DRILLED UNLESS DIRECTED OTHERWISE BY THE COUNTY CONSTRUCTION MANAGER. WHERE DIRECTED ON THE PLANS OR BY THE CONSTRUCTION MANAGER, THE CONTRACTOR SHALL INSTALL SPARE CONDUITS WITH PULL TAPE AND TRACER WIRE FOR ROAD CROSSINGS.
- ALL EXISTING CONDUIT AND CABLES ARE BASED ON RECORD DRAWINGS OR WERE ESTIMATED. CONTRACTOR SHALL VERIFY CONDUIT FILL CAPACITY IN EXISTING CONDUITS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ARLINGTON COUNTY IF CONDUIT CAPACITY IS NOT AVAILABLE IN EXISTING CONDUIT FOR NEW CABLES.
- NEW CCTV CAMERAS SHALL BE INSTALLED IN ACCORDANCE WITH ARLINGTON COUNTY REQUIREMENTS. CONTRACTOR SHALL CONFIRM MOUNTING LOCATION OF CCTV CAMERA WITH COUNTY PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY THE CONDUIT AND % FILL. IF THERE IS NOT ENOUGH CAPACITY IN CONDUIT, THEN THE CONTRACTOR SHALL INSTALL NEW CONDUIT.
- ALL PROPOSED CONDUIT SHALL HAVE #6 AWG (EGC) & TRACER WIRE FOR GROUNDING SYSTEM.
- REMOVE ALL EXISTING UNUSED RISERS, JUNCTION BOXES, AND CABLES.

F. SIGNS

- ALL MAST ARM SIGNS SHALL BE MOUNTED IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS. SIGNS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE.
- STREET NAME SIGNS SHALL HAVE A WHITE LEGEND ON GREEN BACKGROUND. CONTRACTOR SHALL SUBMIT SIGN DETAILS TO COUNTY TO REVIEW. THE DIMENSIONS PROVIDED ON PLANS ARE ESTIMATED.

G. DEMOLITION/SALVAGE

- ALL EXISTING SIGNAL EQUIPMENT IS TO BE REMOVED & RETURNED TO ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES LOCATED AT 4300 29TH ST S., ARLINGTON, VA 22206.
- ALL EXISTING SIGNAL POLE FOUNDATIONS SHALL BE DEMOLISHED IN ACCORDANCE WITH ARLINGTON COUNTY SPECIFICATIONS.

H. COMMUNICATIONS

- EXISTING COUNTY FIBER JUNCTION BOXES AND CONDUITS CONTAIN LIVE FIBER OPTIC CABLES. THE CONTRACTOR SHALL NOT CUT OR DAMAGE THE COUNTY'S EXISTING FIBER CABLES.
- ALL FIBER OPTIC CABLE INSTALLATION, REMOVAL, SPLICING, AND TESTING SHALL BE PERFORMED BY THE COUNTY AT THE CONTRACTOR'S EXPENSE. CONTRACTOR MAY CONTRACT DIRECTLY WITH THE COUNTY'S FIBER CONTRACTORS. UPON REQUEST 703-228-7726, THE COUNTY WILL PROVIDE THE CONTACT INFORMATION FOR CURRENT QUALIFIED COUNTY FIBER CONTRACTORS.
- CONTACT ARLINGTON COUNTY DTS FOR FIBER OPTIC CABLE REMOVAL OR INSTALLATION AT LEAST 10 BUSINESS DAYS IN ADVANCE.
- CONTRACTOR SHALL FURNISH FIBER PATCH PANEL FOR INSTALLATION BY THE COUNTY. FIBER PIGTAIL SHALL BE APPROPRIATE LENGTH TO ALLOW FOR 50 FEET OF SLACK IN EACH INTERMEDIATE JUNCTION BOX. CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PATCH PANEL (INDICATING THE TAIL LENGTH) FOR COUNTY REVIEW PRIOR TO ORDERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF PROPOSED JUNCTION BOXES AND CONDUITS INCLUDING ALL APPURTENANCES SUCH AS GROUND RODS, TRACER WIRE, PULL TAPE, ETC.
- ALL NEW CONDUITS SHALL HAVE PULL TAPE INSTALLED BETWEEN JUNCTION BOXES AND TRACER WIRE INSTALLED WITHIN OR BESIDE AT LEAST ONE OF THE CONDUITS. TRACER WIRE SHALL BE CONNECTED TO THE GROUND RODS INSTALLED IN THE ADJACENT JUNCTION BOXES.
- DO NOT SPLICE TRACER WIRE.

I. INSPECTIONS

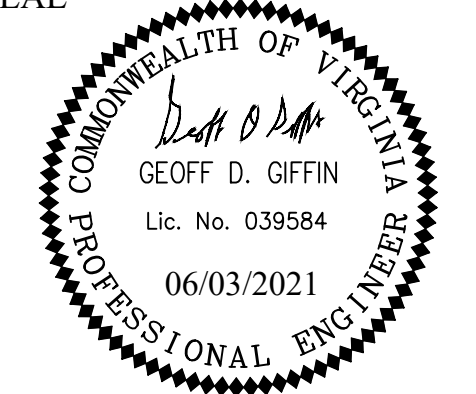
- THE CONTRACTOR SHALL CONTACT THE COUNTY CONSTRUCTION MANAGER FOR INSPECTIONS THROUGHOUT CONSTRUCTION AS REQUIRED BY THE CONSTRUCTION MANAGER.
- THE COUNTY SHALL VERIFY POLE LOCATIONS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY MR. SHAHID MOHIUDDIN, 703-228-7555 TO SCHEDULE INSPECTION PRIOR TO EXCAVATION, AND AGAIN PRIOR TO POURING CONCRETE. STAKEOUT IS THE RESPONSIBILITY OF THE CONTRACTOR UNLESS DIRECTED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT THE COUNTY CONSTRUCTION MANAGER WITHIN 7 BUSINESS DAYS OF SIGNAL ACTIVATION. ALL POWER AND COMMUNICATIONS SHALL BE IN OPERATION AT THE TIME OF ACTIVATION UNLESS APPROVED BY THE COUNTY CONSTRUCTION MANAGER.



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606

SEAL



APPROVALS DATE

<i>[Signature]</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>[Signature]</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>[Signature]</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	06/02/2021
TE&O BUREAU CHIEF	
<i>[Signature]</i>	06/03/21
TRANSPORTATION DIRECTOR	

REVISIONS DATE

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
GENERAL NOTES AND DETAILS
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

Scale: HOR. N/A VERT. N/A



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GENERAL NOTES

MAPPING

- EXISTING CONDITIONS MAPPING PROVIDED BY ARLINGTON COUNTY. BASIS FOR MAPPING IS FIELD SURVEY AND AS-BUILT INFORMATION.

GENERAL REQUIREMENTS

- THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS AND LICENSES AND KEEP COPIES OF THE SAME ON SITE DURING CONSTRUCTION, EXCEPT AS PROVIDED BY ARLINGTON COUNTY.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS.
- THE CONTRACTOR SHALL KEEP AND MAINTAIN A SET OF APPROVED PROJECT PLANS AND SPECIFICATIONS ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, PAVEMENT MARKINGS, ETC. THAT MUST BE CUT OR REMOVED, OR THAT ARE DAMAGED DURING CONSTRUCTION.

COORDINATION

- CONSTRUCTION WILL TAKE PLACE ADJACENT TO ONGOING TRAFFIC OPERATIONS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ARLINGTON COUNTY (AC).
- THE CONTRACTOR SHALL SUBMIT A SCHEDULE FOR CONSTRUCTION TO AC IN ACCORDANCE WITH ARLINGTON COUNTY D.E.S. REQUIREMENTS.
- PER THE CONTRACT DOCUMENTS, PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE A MEETING WITH AC TO DISCUSS COORDINATION OF CONSTRUCTION ACTIVITIES AND RELATED PROJECTS. THE CONTRACTOR SHALL PARTICIPATE IN A CONTRACTOR LED BIWEEKLY PROGRESS MEETINGS WITH THE COUNTY AND SHALL SUBMIT SCHEDULE UPDATES AT THESE MEETINGS.

CLEARING AND GRUBBING/DEMOLITION

- THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND AS DIRECTED BY ARLINGTON COUNTY (AC).
- INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PRIOR TO BEGINNING DEMOLITION WORK.
- DEMOLITION DETAILS AND NOTES ARE INTENDED TO DEPICT GENERAL DEMOLITION AND UTILITY WORK AND ARE NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH AC AND APPROPRIATE UTILITY COMPANIES PRIOR TO WORK.
- THE CONTRACTOR SHALL REMOVE OR ABANDON, AS SPECIFIED, EXISTING UTILITIES SUCH AS STORM DRAINAGE, SANITARY SEWER, WATER, GAS, ELECTRIC, AND TELEPHONE OR AS DIRECTED BY AC. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH UTILITY COMPANY AND AC TO COORDINATE ABANDONMENT OR REMOVAL OF ALL UTILITIES AND FOR DETERMINING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO COMMENCING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- ALL MATERIALS REMOVED UNDER CLEARING WORK, NOT TO BE RELOCATED OR TO BE TURNED OVER TO THE OWNER, SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING ROAD SURFACES.
- ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.

UTILITIES

- THIS PLAN DOES NOT GUARANTEE THE EXISTENCE, NONEXISTENCE, SIZE, TYPE, LOCATION, ALIGNMENT, OR DEPTH OF ANY UNDERGROUND UTILITIES OR OTHER FACILITIES. WHERE SURFACE FEATURES (MANHOLES, CATCH BASINS, VALVES, ETC.) ARE UNAVAILABLE OR INCONCLUSIVE, INFORMATION SHOWN MAY BE FROM UTILITY OWNER'S RECORDS AND/OR ELECTRONIC LINE TRACING, THE RELIABILITY OF WHICH IS UNCERTAIN. THE CONTRACTOR SHALL PERFORM TEST EXCAVATIONS OR OTHER REINVESTIGATIONS AS NECESSARY TO VERIFY LOCATION AND CLEARANCES.
- UNLESS OTHERWISE NOTED, UTILITIES LIDS, INCLUDING WATER VALVE LIDS, ARE TO BE ADJUSTED BY THE CONTRACTOR TO MATCH FINAL GRADE AND SLOPE.
- STATE LAW MANDATES THE NOTIFICATION OF UTILITY OWNERS 48 HOURS IN ADVANCE OF EXCAVATION. FOR LOCATION OF UTILITIES CALL:

UTILITY OWNERS	TELEPHONE
DOMINION VIRGINIA POWER (DVP)	888-667-3000
VERIZON COMMUNICATIONS	888-826-2355
COMCAST	888-683-1000
JONES FIBER	540-891-5545
WASHINGTON GAS	703-750-1000
- CONTRACTOR SHALL CONFORM TO THE "OVERHEAD HIGH VOLTAGE ACT" (EFFECTIVE JULY 1, 2003) AND SHALL CONTACT THE NECESSARY AUTHORITIES PRIOR TO START OF CONSTRUCTION.
- ARLINGTON COUNTY'S UTILITY DEPARTMENT INSPECTOR SHALL BE NOTIFIED WHEN ANY IMPROVEMENT PERTINENT TO HIS INSPECTION DUTIES ARE BEING INSTALLED. SPECIFIC REQUIREMENTS ARE:
 - SITE INSPECTOR OR AREA SUPERVISOR IS TO BE NOTIFIED AT LEAST 3 DAYS PRIOR TO START OF CONSTRUCTION.
 - A MINIMUM OF 24 HOURS NOTICE IS REQUIRED WHEN REQUESTING COMPACTION TESTS.
- STABLE SUBGRADE SHALL COMPRISE SOLID, WELL DRAINED, UNDISTURBED EARTH CAPABLE OF SUPPORTING STREET LOADING WITHOUT RESULTING IN ANY DAMAGING SETTLEMENT AS DETERMINED BY THE ENGINEER.
- WHERE UNSUITABLE SUBGRADE, AS DETERMINED BY THE ENGINEER, IS ENCOUNTERED, IT SHALL BE MADE STABLE BY DRAINING, COMPACTING, AND/OR REPLACING AS REQUIRED, TO THE SATISFACTION OF THE ENGINEER.
- ALL CONCRETE SHALL BE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) CLASS "A4" FOR PRECAST STRUCTURES AND VDOT CLASS "A3" FOR ALL OTHERS USES, UNLESS OTHERWISE SPECIFIED.
- ALL ASPHALT PAVEMENT COURSES SHALL BE IN CONFORMANCE WITH VDOT SPECIFICATIONS.
- EXISTING FIRE HYDRANTS MUST REMAIN ACTIVE UNTIL NEW HYDRANTS ARE AVAILABLE FOR PUBLIC USE. CONTRACTOR TO COORDINATE WITH PROPERTY OWNERS AND FIRE DEPARTMENT WHEN SERVICES TO PROPERTIES ARE INTERRUPTED.

DRAINAGE

- THE LOCATIONS OF ALL DRAINAGE STRUCTURES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY, WITH THE EXCEPTION OF STRUCTURES SHOWING SPECIFIC STATIONS. THE HEIGHT (H") DIMENSIONS SHOWN ON THE PLANS FOR DROP INLETS AND JUNCTION BOXES AND THE LINEAR FOOT (LF) DIMENSIONS SHOWN FOR MANHOLES ARE APPROXIMATE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE STRUCTURES AND CONVEYANCE MEASURES TO PREVENT DAMAGE TO PRIVATE PROPERTY AND PUBLIC STREETS, OR AS DIRECTED BY AC.
- IF PRECAST DRAINAGE STRUCTURES ARE USED, SHOP DRAWINGS MUST BE SUBMITTED.
- ALL PROPOSED STORM DRAINAGE STRUCTURES SHALL UTILIZE INLET SHAPING WITH PAVED INVERTS, UNLESS OTHERWISE NOTED ON THE PLANS, FOR EACH STRUCTURE.
- ALL PIPE CULVERTS (WATER, SEWER, AND STORM SEWER), LOCATED WITHIN RIGHT-OF-WAY EXCAVATION AREAS THAT ARE SUBJECT TO TRAFFIC LOADS SHALL BE BACKFILLED WITH A SELECT OR GRANULAR MATERIAL AND PLACED IN SIX (6) INCH LAYERS AND COMPACTED TO 95 PERCENT THEORETICAL AASHTO DENSITY IN ACCORDANCE WITH SECTION 302.03 OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS (CURRENT EDITION).
- RIPRAP MUST BE PROVIDED AT ALL ENDWALLS AND FLARED END SECTIONS AS REQUIRED BY AC INSPECTOR.
- THE CONTRACTOR SHALL MAINTAIN ALL DRAINAGE, STORMWATER MANAGEMENT, AND BEST MANAGEMENT PRACTICES FACILITIES AND SYSTEMS TO ENSURE THAT THEY FUNCTION PROPERLY DURING CONSTRUCTION.
- A WATERTIGHT CONNECTION SHALL BE MADE AT ALL PIPES ENTERING DRAINAGE STRUCTURES. IN ADDITION, WATERTIGHT CONNECTIONS SHALL BE MADE BETWEEN EACH SECTIONS OF PIPE.
- LENGTHS OF PIPE SHOWN ON THE DRAWINGS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- TOP OF STRUCTURES SHALL BE SET TO MATCH CURB AND GUTTER, SIDEWALK AND/OR DITCH CONSTRUCTION.

CONSTRUCTION

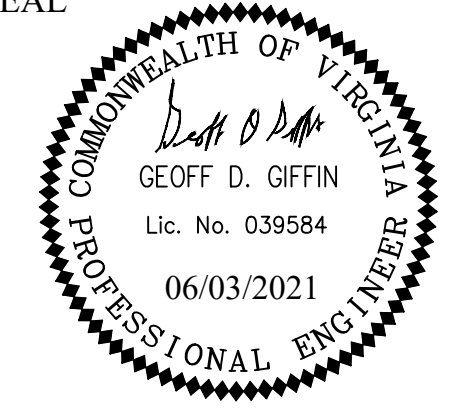
- SUBMITTALS ON MATERIALS FOR THIS PROJECT SHALL BE PROVIDED TO AC FOR APPROVAL PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- EXISTING VEGETATION SURROUNDING THE CONSTRUCTION AREA SHALL REMAIN IN A NATURAL STATE. TREES NEAR THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH TREE PROTECTION DETAILS, PLANS, AND NOTES AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
- THE CONTRACTOR SHALL STRIP TOPSOIL AND ANY ORGANIC LADEN SOIL AND STORE FOR USE IN BACKFILLING AND LANDSCAPING FOR SITE RESTORATION. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY EXCESS SOIL AFTER RESTORATION OF THE SITE.
- WHEN MATERIALS WHICH ARE UNSUITABLE FOR FOUNDATIONS, SUBGRADES, OR ROADWAY PURPOSES OCCUR WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE SUCH MATERIAL BELOW THE GRADE SHOWN ON THE PLANS. THE AREAS SO EXCAVATED SHALL BE BACKFILLED WITH APPROVED SUITABLE SELECT FILL MATERIAL.
- ANY NECESSARY FILL UNDER PAVED AREAS SHALL BE PLACED IN 6-INCH LIFTS. ALL FILL SHALL BE COMPACTED 95% MDD STANDARD PROCTOR. SUBGRADE SHALL BE PROOF-ROLLED PER THE DIRECTION OF AC. AREAS THAT RUT SHALL BE UNDERCUT AND REPLACED WITH CONTROLLED FILL.
- ALL UNPAVED SURFACES SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM PAVED AREAS AND TOWARD DRAINAGE STRUCTURES.
- FOLLOWING FINAL COMPLETION, ALL DISTURBED GRASS AREAS SHALL BE PREPARED AND SODDED.
- DISTURBED GRASS AREAS WITHIN THE PROJECT LIMITS THAT WILL REMAIN INACTIVE FOR A PERIOD OF 7 CALENDAR DAYS OR LONGER SHALL BE TEMPORARILY STABILIZED WITH SEED AND STRAW, MULCH, OR OTHER ACCEPTABLE GROUND COVER.
- THE CONTRACTOR IS REQUIRED TO NOTIFY AC THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION AND SPECIFICALLY REQUEST INSPECTION BEFORE BEGINNING ANY OF THE FOLLOWING ACTIVITIES:
 - INSTALLATION OF SILTATION AND EROSION CONTROL MEASURES
 - CLEARING AND GRUBBING
 - EARTHWORK
 - BACKFILL OF ANY STORM DRAINAGE PIPE, CULVERTS, INLET, AND OTHER UTILITIES
 - INSTALLATION OF ANY UNDERGROUND UTILITY, INCLUDING STORM PIPES, CULVERT, INLETS, DUCT BANKS, MANHOLE, ETC.
 - PLACING SUBBASE, BASE OR PAVING SURFACE
 - INSTALLATION OF ANY FORMS
 - PLACING OF ANY CONCRETE
 - BACKFILL OF ANY FOUNDATIONS OR WALLS
 - INSTALLATION OF LANDSCAPING
 - INSTALLATION MARKINGS OF LIGHTING
 - STRIPING AND APPLICATION OF PAVEMENT MARKINGS
 - ALTERATIONS TO BUS STOPS STRUCTURES AND SIGNAGE
- CONTRACTOR TO MAINTAIN ALL PUBLIC AND PRIVATE ACCESS AT ALL TIMES.
- CONTRACTOR TO MATCH ALL EXISTING STEPS, SIDEWALKS, RAMPS, ETC. IN ORDER TO MAINTAIN SAFE PEDESTRIAN AND ADA ACCESS.



DEPARTMENT OF ENVIRONMENTAL SERVICES

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SEAL



APPROVALS DATE

APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS DATE

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
GENERAL NOTES AND DETAILS
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

Scale: HOR. N/A VERT. N/A



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EROSION AND SEDIMENT CONTROL

- 1. TEMPORARY SILT FENCE SHALL BE CONSTRUCTED FOR SHEET RUNOFF AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
2. WHEN WIRE SUPPORT IS USED, STANDARD STRENGTH FILTER CLOTH MAY BE USED. POSTS FOR THIS TYPE OF INSTALLATION SHALL BE PLACED A MAXIMUM OF 10 FEET APART.
3. WHEN WIRE SUPPORT IS NOT USED, EXTRA STRENGTH FILTER CLOTH SHALL BE USED. POSTS FOR THIS TYPE OF FABRIC SHALL BE PLACED A MAXIMUM OF 6 FEET APART.
4. WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.
5. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS NOTED IN TABLE 3.05-B OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION.
6. SILT FENCES SHALL BE INSPECTED AND CLEANED ON A WEEKLY BASIS AND ON A DAILY BASIS IMMEDIATELY FOLLOWING EACH RAIN STORM.
14. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION (1992) AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
15. THE TEMPORARY EROSION AND SILTATION (E&S) CONTROL ITEMS SHOWN ON THE E&S CONTROL PLAN ARE INTENDED TO PROVIDE A GENERAL PLAN FOR CONTROLLING EROSION AND SILTATION WITHIN THE PROJECT LIMITS.
16. THE AREAS BEYOND THE PROJECT'S CONSTRUCTION AREA ARE TO BE PROTECTED FROM SILTATION. PERIMETER CONTROLS SUCH AS FILTER BARRIER, SILT FENCE, ETC. SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OPERATIONS.
17. SILT REMOVAL AND SEDIMENT CLEAN-OUT FROM EROSION AND SILTATION CONTROL ITEMS SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:
A. TEMPORARY SEDIMENT BASINS AND SEDIMENT TRAPS - WHEN THE "WET" STORAGE VOLUME (PERMANENT POOL) HAS BEEN REDUCED BY 50%.
B. DEWATERING BASINS - WHEN THE EXCAVATED VOLUME HAS BEEN REDUCED BY 50%.
C. ALL OTHER EROSION AND SILTATION CONTROL ITEMS - WHEN THE CAPACITY, HEIGHT, OR DEPTH HAS BEEN REDUCED BY 50%.
18. EXCEPT WHERE NOTED HEREON, TO THE BEST OF THE DESIGNER'S KNOWLEDGE, THE PROPOSED DEVELOPMENT OF THE SUBJECT PROPERTY CONFORMS TO ALL CURRENT APPLICABLE LAND DEVELOPMENT ORDINANCES, REGULATIONS, AND ADOPTED STANDARDS.
19. LAND CONSERVATION NOTES - MEASURES TO CONTROL EROSION AND SILTATION SHALL BE PROVIDED PURSUANT TO AND IN COMPLIANCE WITH CURRENT STATE AND LOCAL REGULATIONS. HOWEVER, THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR OR HIS AGENT OF ANY LEGAL RESPONSIBILITIES WHICH MAY BE REQUIRED BY THE CODE OF VIRGINIA OR ANY ORDINANCE ENACTED BY AC.
20. ADDITIONAL SILTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS DIRECTED BY ARLINGTON COUNTY INSPECTOR DURING FIELD REVIEW; COSTS ASSOCIATED WITH ADDITIONAL MEASURES SHALL BE ASSUMED BY THE CONTRACTOR.
21. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
22. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
23. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
24. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
25. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
26. EROSION CONTROL MEASURES ARE TO BE REMOVED BY CONTRACTOR AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
27. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED (EXAMPLE WOULD BE A SILT BAG) OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE (EXAMPLE WOULD BE A SEDIMENT TRAP) OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
E. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH STANDARDS 3.31 AND 3.32.
F. ALL TRENCHING SHALL BE IN ACCORDANCE WITH APPLICABLE SAFETY STANDARDS.

MINIMUM STANDARDS REVIEW

- MS-1 TEMPORARY AND PERMANENT STABILIZATION HAS BEEN ADDRESSED.
MS-2 THERE ARE NO STOCKPILES PROPOSED WITH THIS PLAN.
MS-3 MAINTENANCE OF PERMANENT STABILIZATION HAS BEEN ADDRESSED, SEE PERMANENT STABILIZATION.
MS-4 SEDIMENT TRAPPING FACILITIES ARE TO BE INSTALLED AS THE FIRST STEP IN LAND DISTURBING ACTIVITIES. MAINTENANCE OF FACILITIES ARE DETAILED UNDER THE EROSION AND SEDIMENT CONTROL NOTES.
MS-5 THERE ARE NO EARTHEN STRUCTURE PROPOSED WITH THIS PROJECT.
MS-6 THERE ARE NO SEDIMENT BASINS PROPOSED WITH THIS PROJECT.
MS-7 THERE ARE NO CUT AND FILL SLOPES PROPOSED WITH THIS PROJECT.
MS-8 THERE ARE NO PAVED FLUMES, CHANNELS, OR SLOPE DRAINS PROPOSED WITH THIS PROJECT.
MS-9 THERE ARE NO WATER SEEPS ANTICIPATED WITH THIS PROJECT.
MS-10 INLET PROTECTION IS PROVIDED ON INLETS DOWN GRADIENT FROM DISTURBED AREAS.
MS-11 ADEQUATE OUTLET PROTECTION EXIST AT ALL EXISTING OUTLETS. THERE ARE NO NEW OUTLETS PROPOSED.
MS-12 THERE ARE NO IN-STREAM CONSTRUCTION MEASURES PROPOSED WITH THIS PROJECT.
MS-13 THERE ARE NO STREAM CROSSINGS PROPOSED WITH THIS PROJECT.
MS-14 THERE ARE NO WATERCOURSES BEING GROSSED WITH THIS PROJECT.
MS-15 THERE ARE NO IMPACTS TO IN-STREAM IMPROVEMENTS PROPOSED WITH THIS PROJECT.
MS-16 UTILITY TRENCHING HAS BEEN ADDRESSED IN THE EROSION AND SEDIMENT CONTROL NOTES.
MS-17 PREVENTING SOIL FROM BEING TRACKED ON THE STREETS IS ADDRESSED IN THE EROSION AND SEDIMENT CONTROL NOTES.
MS-18 THE REMOVAL OF TEMPORARY PRACTICES HAS BEEN ADDRESSED IN THE EROSION AND SEDIMENT CONTROL NOTES.
MS-19 THIS PROJECT DOES NOT SIGNIFICANTLY INCREASE THE IMPERVIOUS AREA OR THE RUNOFF FROM THE SITE AREA. DOWNSTREAM OUTFALL POINTS ARE ADEQUATELY PROTECTED AND ARE NOT ACTIVELY ERODING. OUTFALL POINTS HAVE BEEN ANALYZED AND FOUND TO BE ADEQUATE IN ACCORDANCE WITH THE STATE OUTFALL REQUIREMENTS.

MS4 NOTES

- 1. ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MS4 PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS: WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.
2. APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S MS4 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK.
3. PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATER, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

GENERAL LAND CONSERVATION NOTES

- 1. NO DISTURBED AREA WILL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED ARE TO BE THOSE REQUIRED FOR THE PERIMETER CONTROLS.
3. ALL STORM AND SANITARY SEWER LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET ARE TO BE OPEN AT ANY ONE TIME.
4. ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 5 DAYS OF BACKFILL.
5. ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. THE SAME APPLIES TO ALL SOIL STOCKPILES.
6. DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECTION DEVICES, MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
7. ANY DISTURBED AREA NOT COVERED BY NOTE # 1 ABOVE, AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1ST, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE AND OVER-SEEDED NO LATER THAN MAY 15TH.
8. AT THE COMPLETION OF THE CONSTRUCTION PROJECT AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED. ARLINGTON COUNTY INSPECTOR TO APPROVE REMOVAL OF ALL TEMPORARY SILTATION MEASURES.

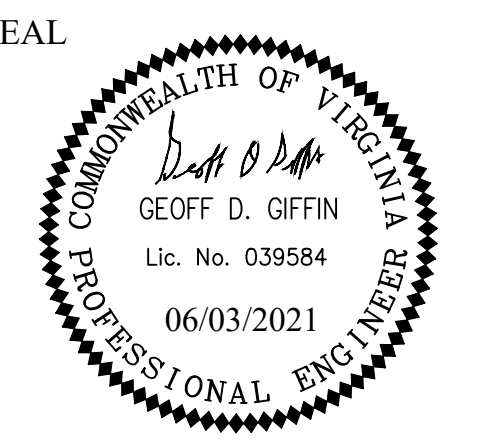
EROSION CONTROL NARRATIVE

PROJECT DESCRIPTION: THIS PROJECT RECONSTRUCTS A PEDESTRIAN CROSSING AND SIGNAL ALONG ARLINGTON BOULEVARD (RTE 50) AT MONTAGUE STREET. ALL CONSTRUCTION WORK WILL BE FOR THE DURATION OF 110 TOTAL CALENDAR (80 WORK DAYS). WORK DAYS NOT TO INCLUDE ARLINGTON COUNTY PUBLIC HOLIDAYS.
EXISTING CONDITIONS: ARLINGTON BOULEVARD IS A MULTI-LANE ROAD WITH PARALLEL SERVICE ROADS ON BOTH SIDES. OVERHEAD UTILITIES ARE LOCATED ALONG MOST OF THE ROAD. THE RIGHT OF WAY INCLUDES TREES, STORM DRAINAGE STRUCTURES AND PIPES, SANITARY SEWER MAINS, WATER MAINS, ELECTRIC LINES, COMMUNICATIONS LINES AND MASS TRANSIT STOP LOCATIONS. MINIMAL CHANGES TO THE EXISTING TOPOGRAPHY ARE PROPOSED WITH NO AREAS OUTSIDE OF THE RIGHT-OF-WAY BEING IMPACTED. MOST OF THE EXISTING VEGETATION WITHIN THE PROJECT LIMITS SHALL BE REPLACED.
ADJACENT AREAS: ARLINGTON BOULEVARD IS BOUND ON BOTH SIDES BY RESIDENTIAL DEVELOPMENTS OF VARIABLE DENSITY. THE CONTRACTOR SHALL PROVIDE TO THE ARLINGTON COUNTY INSPECTOR PHOTOGRAPHS OF IMMEDIATE ADJACENT AREAS TO DOCUMENT ADJACENT OFFSITE CONDITIONS PRIOR TO INSTALLING PERIMETER EROSION CONTROLS.
OFF-SITE AREAS: THERE ARE NO OFF-SITE AREAS OR STOCKPILES ASSOCIATED WITH THIS PROJECT. OFFSITE AREAS DAMAGED BY THE CONTRACTOR OR ITS LACK OF EROSION CONTROLS SHALL BE REPAIRED BY THE CONTRACTOR, AT ITS EXPENSE, IN A TIMELY MANNER.
SOILS: THE SOILS IN THE PROJECT AREA HAVE BEEN MAPPED AS URBAN LAND - UDORTHERTS COMPLEX WHICH ARE SOILS THAT HAVE BEEN PREVIOUSLY DISTURBED AND NOT CHARACTERIZED. THE SOILS ALONG THIS PROJECT AREA HAVE BEEN ANALYZED BY GEOCONCEPTS ENGINEERING, INC. AND A GEOTECHNICAL REPORT HAS BEEN PROVIDED IN THE CONTRACT DOCUMENTS. THE SOILS HAVE BEEN LISTED AS A SANDY FAT CLAY (USCS - CH) AND CLAYED SAND W/ GRAVEL (USCS - SC). ADDITIONAL INFORMATION IS AVAILABLE IN THE PROJECT GEOTECHNICAL REPORT.
CRITICAL AREAS: THERE ARE NO CRITICAL AREAS ASSOCIATED WITH THIS PROJECT. DISTURBANCE SHALL BE LIMITED TO SMALL AREAS AND THE CONTRACTOR SHALL PROTECT THOSE AREAS AS TO NOT CAUSE OR ALLOW FOR EROSION OF SOILS OUT OF THE PROJECT AREA.
EROSION AND SEDIMENT CONTROL MEASURES: THE FOLLOWING EROSION CONTROLS SHALL BE USED DURING THIS PROJECT:
1. STD. 3.05 SILT FENCE - SILT FENCE AND SUPER SILT FENCE SHALL BE USED IN ACCORDANCE WITH THIS STANDARD AND AS SPECIFIED BY ARLINGTON COUNTY. SEE DETAIL THIS SHEET. SILT FENCE OR SUPER SILT FENCE SHALL BE USED DOWN GRADIENT FROM DISTURBED AREAS AS SHOWN ON THE PLANS AND AS NEEDED TO PREVENT THE TRANSPORTATION OF SEDIMENT BEYOND THE PROJECT LIMITS. IT SHALL BE INSTALLED PRIOR TO STARTING LAND DISTURBANCE AND SHALL BE REMOVED AFTER THE DISTURBED AREA HAS HAD TEMPORARY OR PERMANENT STABILIZATION ESTABLISHED. COORDINATE REMOVAL WITH THE ARLINGTON COUNTY INSPECTOR.
2. STD. 3.07 STORM DRAIN INLET PROTECTION - STORM DRAINAGE INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THIS STANDARD. INLETS DOWN GRADIENT FROM LAND DISTURBING ACTIVITIES SHALL HAVE INLET PROTECTION INSTALLED PRIOR TO STARTING LAND DISTURBANCE. CARE SHALL BE TAKEN AS TO NOT INTERFERE WITH TRAFFIC ON ROADWAY WHEN SELECTING THE TYPE OF INLET PROTECTION TO BE USED. THE CONTRACTOR IS TO REMOVE SILT BUILDUP PROMPTLY SO THAT SILT IS NOT TRACKED ALONG THE ROAD. REMOVAL OF THE INLET PROTECTION SHALL OCCUR ONCE DISTURBED AREA UP GRADIENT OF THE INLET HAVE BEEN STABILIZED AND IN COORDINATION WITH THE ARLINGTON COUNTY INSPECTOR.
3. STD. 3.26 DEWATERING STRUCTURE - ALL DISCHARGES FROM DEWATERING OPERATIONS SHALL BE IN ACCORDANCE WITH THIS STANDARD. DEWATERING CONTROLS SHALL BE USED AT ALL DEWATERING DISCHARGES. THE CONTRACTOR IS TO NOTIFY THE ARLINGTON COUNTY INSPECTOR PRIOR TO DISCHARGING DEWATERING EFFLUENT OF THE LOCATION AND TYPE OF FILTER OR CONTROL THAT IS TO BE USED AND FOR HOW LONG IT WILL BE USED.
4. STD. 3.31 TEMPORARY SEEDING - TEMPORARY SEEDING SHALL BE APPLIED IN ACCORDANCE WITH THIS STANDARD. TEMPORARY STABILIZATION IS REQUIRED WHEN AN AREA IS NOT TO BE WORKED WITHIN A 7 DAY PERIOD. THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE IN ORDER TO ESTABLISH A SURFACE PROTECTION TO EROSION. TEMPORARY SEEDING SHALL BE CARED FOR AS NECESSARY IN ORDER TO GENERATE A DENSE, HEALTHY STAND OF VEGETATION THAT WILL RESIST EROSION.
5. THE CONTRACTOR SHALL USE APPROPRIATE METHODS TO ESTABLISH PERMANENT STABILIZATION THAT ARE SIMILAR TO THE CONDITION THAT WAS PRESENT PRIOR TO STARTING LAND DISTURBANCE ACTIVITIES.
6. STD. 3.33 SODDING - ALL SODDING SHALL BE IN ACCORDANCE WITH THIS STANDARD. SODDED AREAS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE SOD HAS BEEN ESTABLISHED AND HAD TWO MOWING CYCLES. THE CONTRACTOR SHALL COORDINATE THE RELEASE OF MAINTENANCE OF SODDED AREAS WITH THE ARLINGTON COUNTY INSPECTOR AND THE LAND OWNER.
7. STD. 3.38 TREE PRESERVATION AND PROTECTION - TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH THIS STANDARD AND ARLINGTON COUNTY'S TREE PROTECTION FENCE, PLAN. SEE THIS SHEET FOR DETAIL. TREE PROTECTION SHALL BE USED ALONG THE LIMITS OF DISTURBANCE WHERE AN OFFSITE TREE OR LANDSCAPED AREA MAY HAVE A CRITICAL ROOT ZONE THAT EXTENDS INTO THE LIMITS OF THIS PROJECT. THE ARLINGTON COUNTY URBAN FORESTER MAY REQUIRE ADDITIONAL TREE PRESERVATION AND PROTECTION BE INSTALLED PRIOR TO STARTING LAND DISTURBING ACTIVITIES. TREE PRESERVATION AND PROTECTION SHALL ONLY BE REMOVED WITH THE APPROVAL OF THE ARLINGTON COUNTY URBAN FORESTER.
PERMANENT STABILIZATION: ALL DISTURBED AREAS BY THIS PROJECT SHALL BE STABILIZED WITH PERMANENT GROUND COVER UTILIZING STD. 3.33. PERMANENT SODDING SHALL BE UTILIZED IN DISTURBED AREAS ADJACENT TO CURB RAMP MODIFICATIONS. SEEDING SHALL BE UTILIZED IN ALL OTHER DISTURBED AREAS WITHIN RIGHT-OF-WAY. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL DISTURBED AREAS UNTIL FINAL ACCEPTANCE BY ARLINGTON COUNTY AND/OR LAND OWNER. THIS SHALL INCLUDE CUTTING THE GRASS TO MAINTAIN THE SAME APPEARANCE AS THE ADJOINING PROPERTY.
CALCULATIONS: DETAILED CALCULATIONS SHOWING PRE AND POST DEVELOPMENT DRAINAGE AREAS, INLET COMPUTATIONS, PIPE CAPACITIES AND FLOWS ARE INCLUDED IN THIS SET OF PLANS IN ADDITION TO THE DRAINAGE AND STORMWATER MANAGEMENT REPORT / ANALYSIS.



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606



APPROVALS

Table with columns for Name, Title, and Date. Includes approvals from Traffic Signal Engineer, Traffic Engineering Manager, Water, Sewer, Streets Bureau Chief, and Transportation Director.

REVISIONS

Table with columns for Revision Number and Date.

Project Name and Location: Arlington Boulevard at North Montague Street Signal Upgrades
GENERAL NOTES AND DETAILS
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

Scale: HOR. N/A VERT. N/A



Sheet 0004

GENERAL DETAILS

REFER TO SHEET 0001 FOR LEGEND AND SURVEY DATA

04/13/2021
date

Qunqian Li, P.E.
ESC Program Administrator
Department of Environmental Services
2100 Clarendon Boulevard, Suite 813
Arlington, Virginia 22201

Re: Erosion and Sediment Control Permit Application for:
Arlington Boulevard at North Montague Street
street address

lot, block, section subdivision
LDA-16947
permit number

Dear Mrs. Li:

I hereby certify that I accept the responsibilities of Responsible Land Disturber for the above referenced project. I understand that these responsibilities include:

1. Reviewing the erosion and sedimentation (E&S) plan for the project.
2. Walking the site prior to construction to identify critical areas.
3. Conducting a pre-construction briefing with earth moving and site contractors to present the E&S plan and highlight the presence of critical areas, the limits of clearing and the required E&S controls and tree protection measures to be installed. Call 703-228-0760 to schedule pre-construction meeting.
4. Regularly inspecting the site during construction to ensure that all E&S controls are functioning and are adequate to address erosion and sedimentation. Inspect the site 48 hours after a runoff-generating storm, and provide a copy of the inspection findings to the county.
5. Reporting to the owner the presence inadequate or non functioning E&S controls when they are observed.
6. Ensuring that temporary soil stabilization is applied within 7 days to areas denuded that will remain undisturbed for longer than 14 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.
7. Calling (703) 228-0760 at least 80 hours before demolishing any structure.

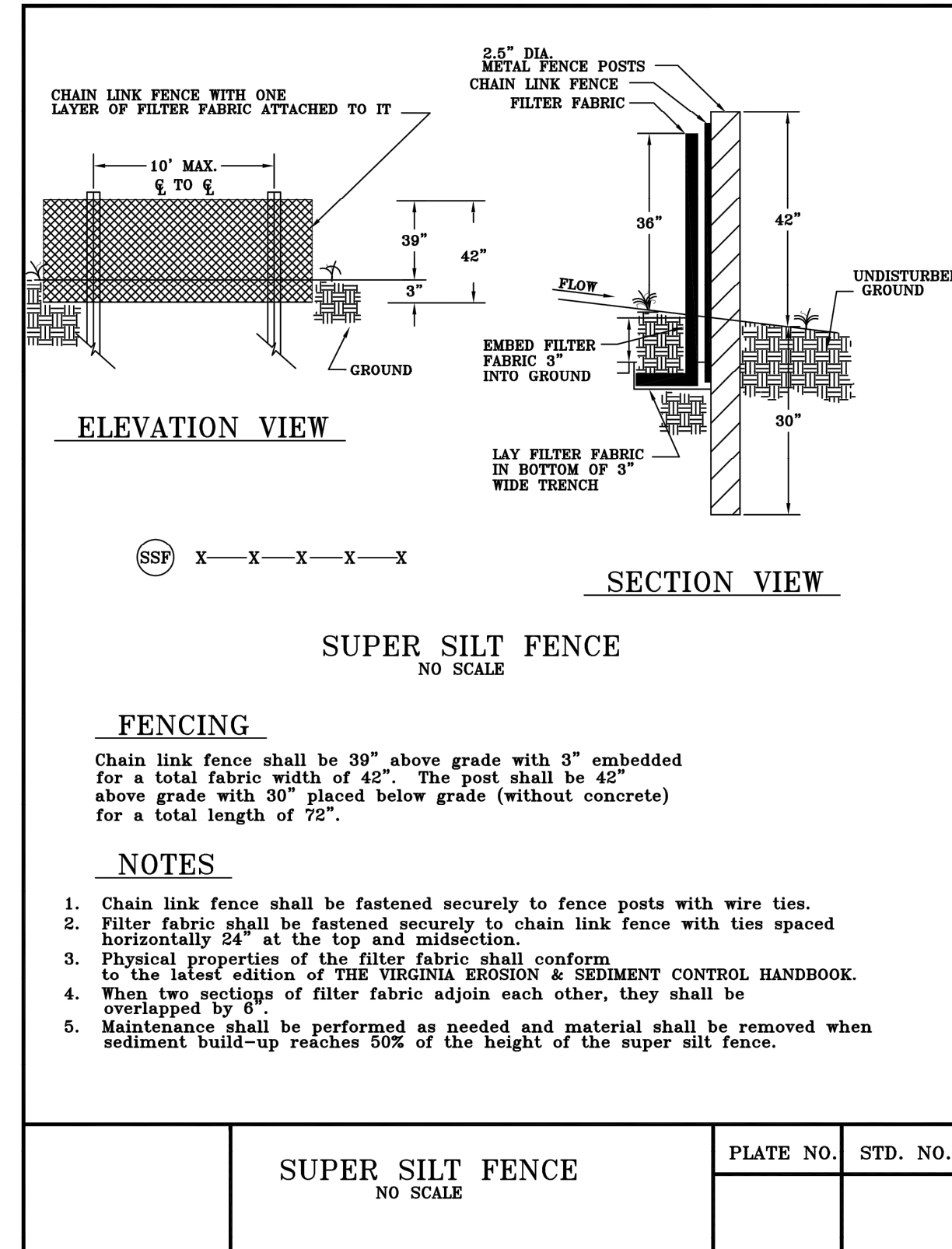
I may be reached at 703-228-7050 with questions about this plan or my execution of the duties of Responsible Land Disturber.
telephone number

Sincerely,

Anup Kalle
signed

Anup Kalle
name printed

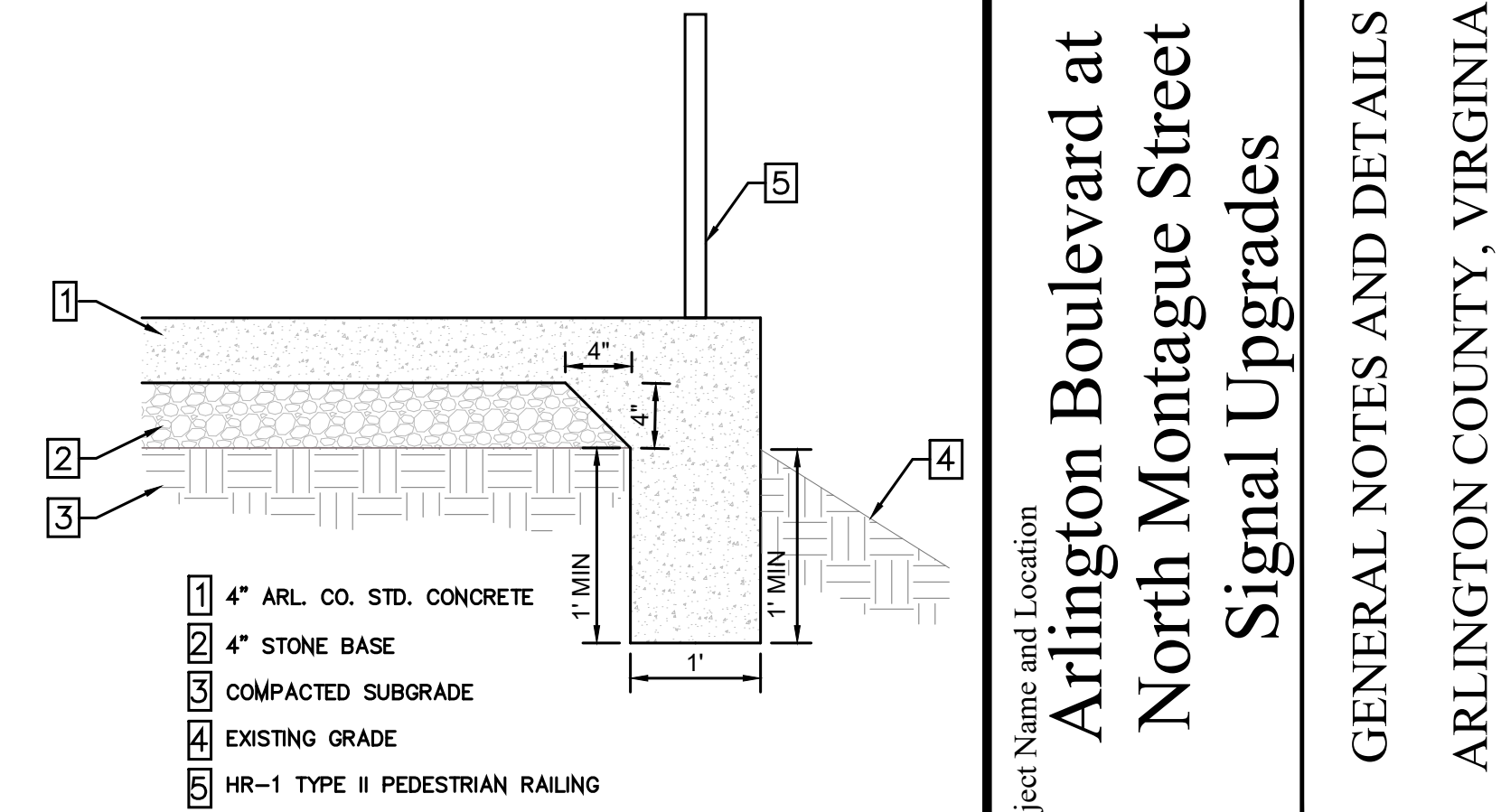
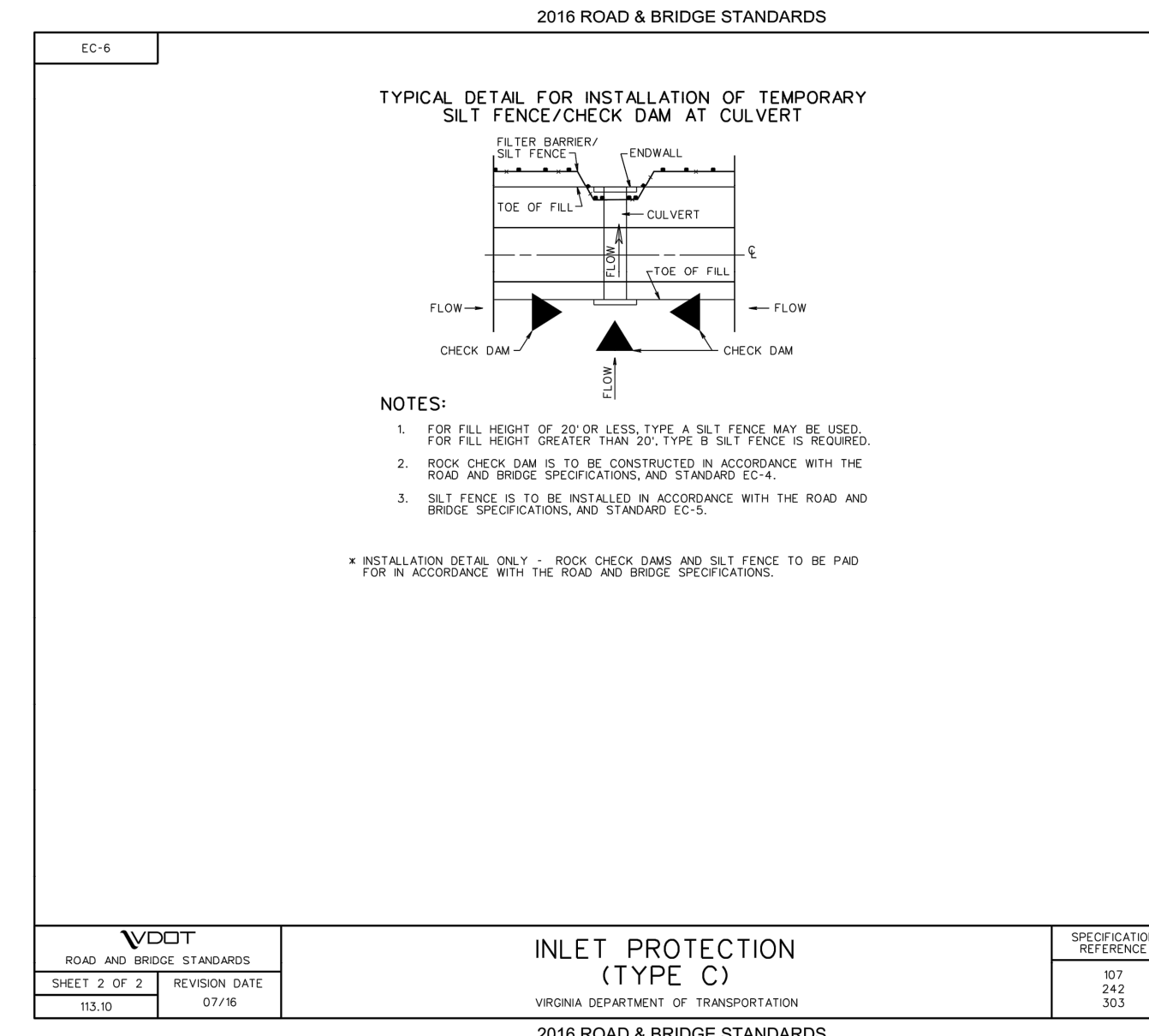
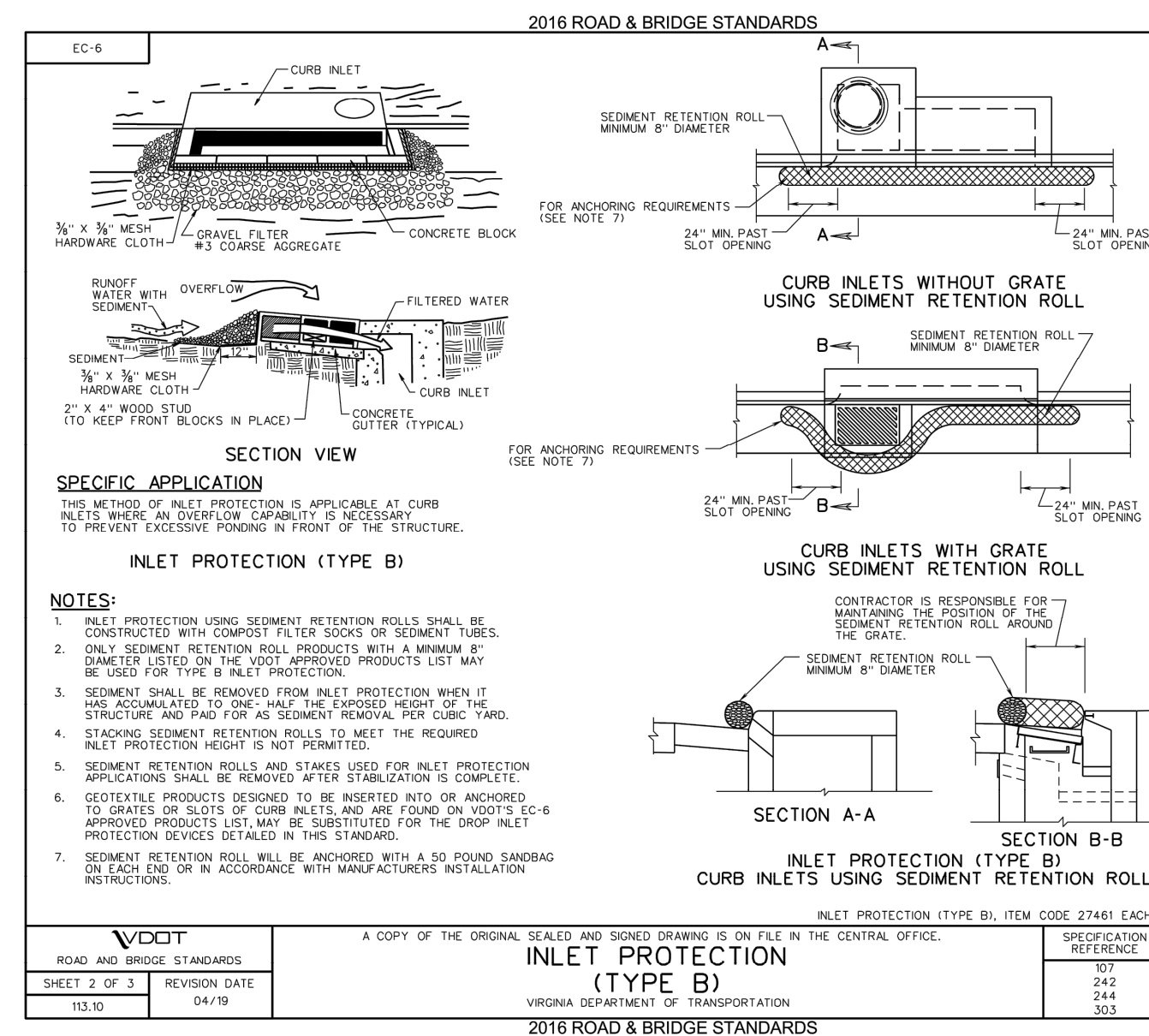
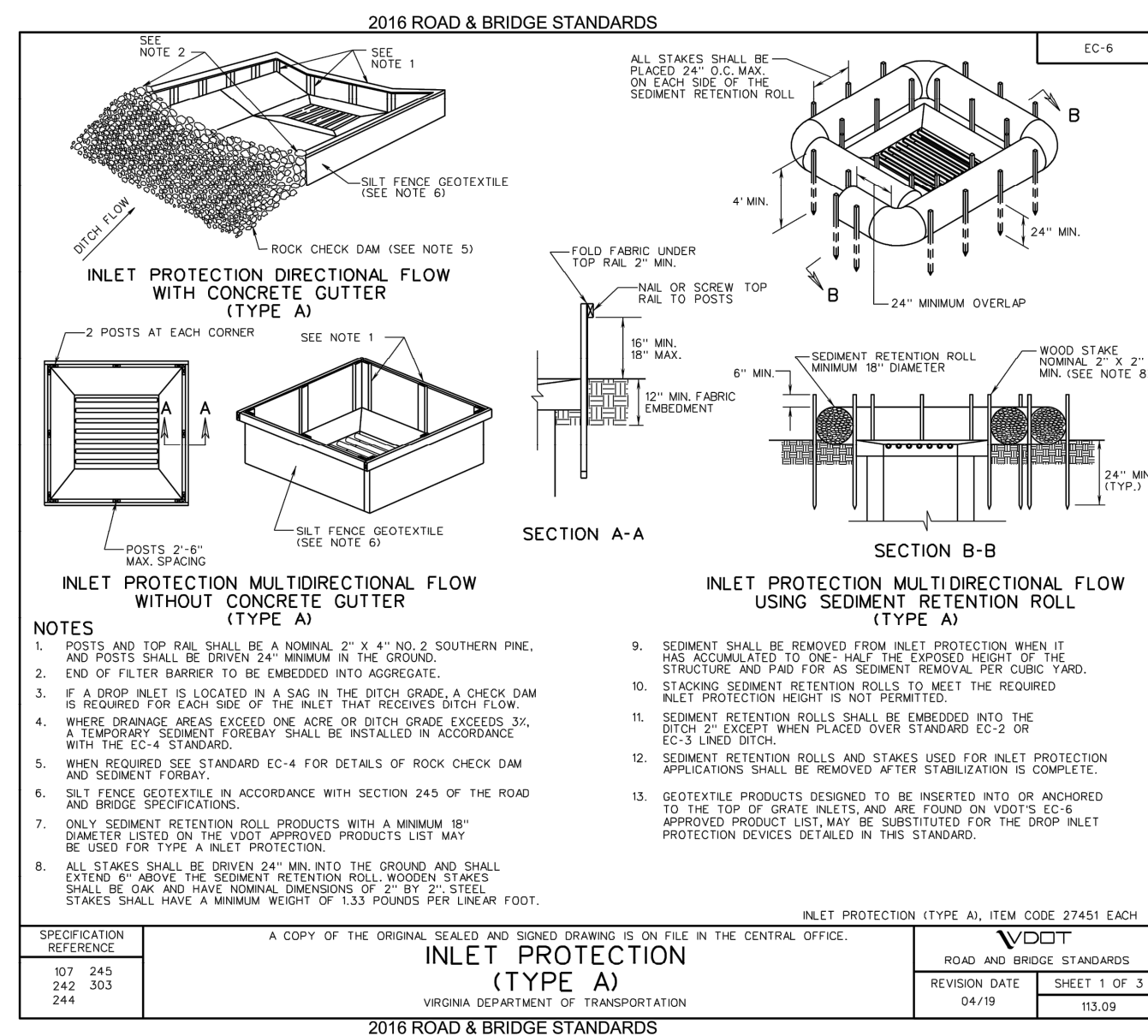
PE and 0402056432
professional registration (type and number)



FENCING
Chain link fence shall be 36\"/>

- NOTES**
1. Chain link fence shall be fastened securely to fence posts with wire ties.
 2. Filter fabric shall be fastened securely to chain link fence with ties spaced horizontally 24\"/>
 - 3. Physical properties of the filter fabric shall conform to the latest edition of THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
 - 4. When two sections of filter fabric adjoin each other, they shall be overlapped by 12\"/>
 - 5. Maintenance shall be performed as needed and material shall be removed when sediment build-up reaches 50% of the height of the super silt fence.

SUPER SILT FENCE NO SCALE	PLATE NO.	STD. NO.
-------------------------------------	-----------	----------



CONCRETE TURNDOWN SIDEWALK
NOT TO SCALE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
GENERAL NOTES AND DETAILS
ARLINGTON COUNTY, VIRGINIA

Designed: TEC
Drawn: TEC
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

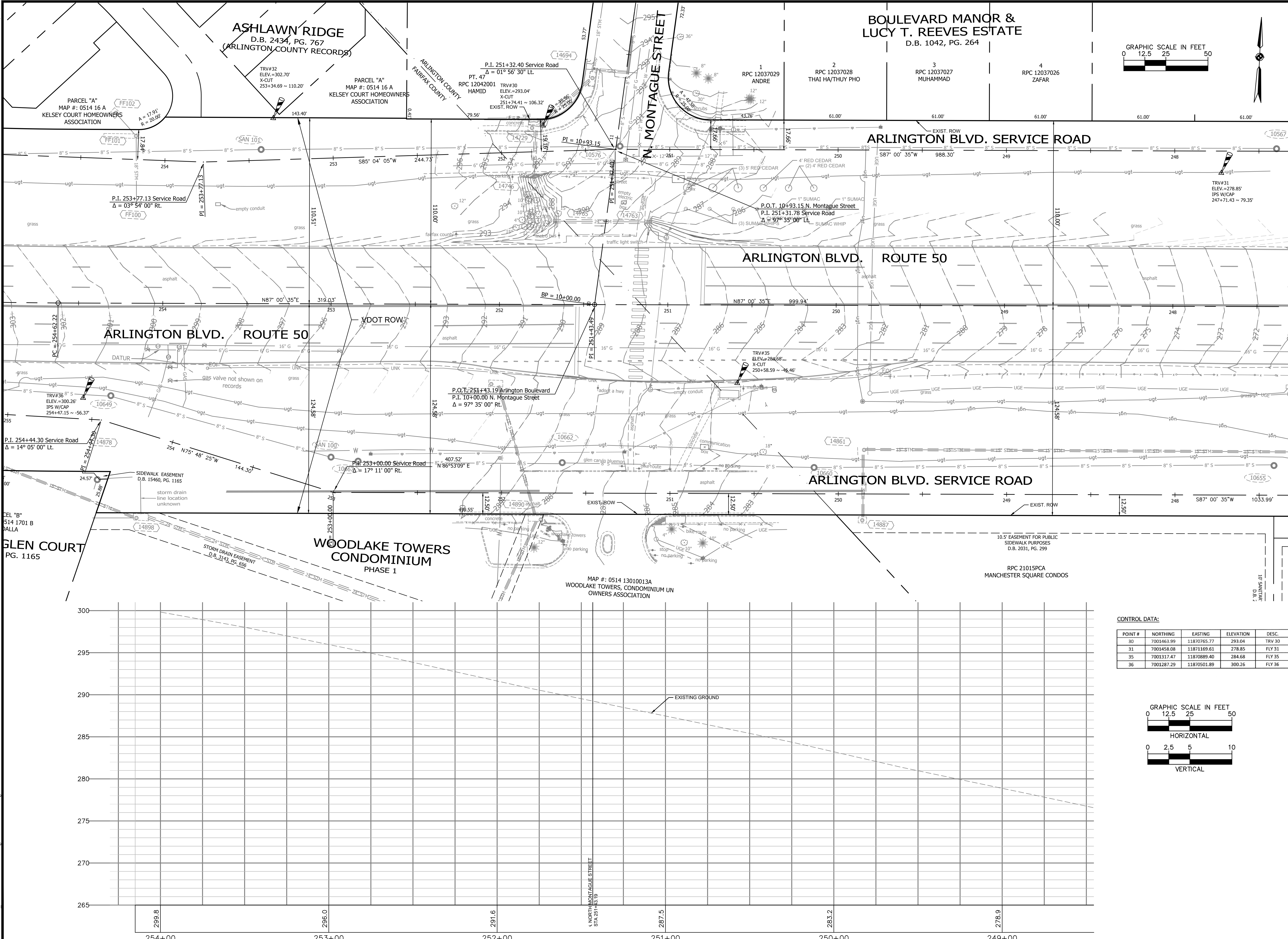
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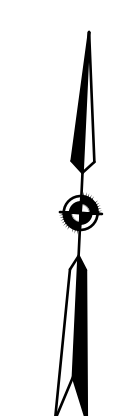
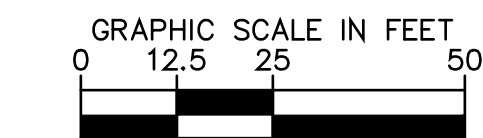
REVISED: MARCH 03, 2020

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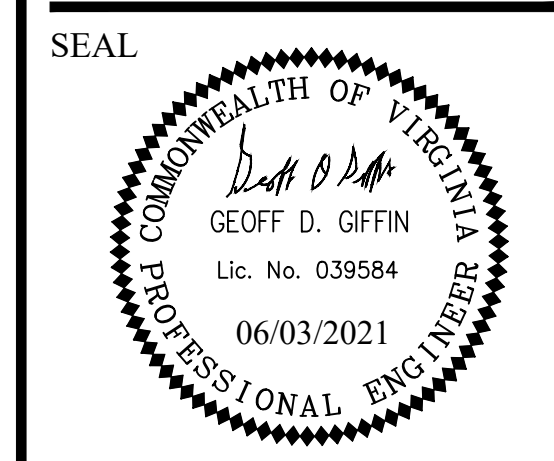


ASHLAWN RIDGE
D.B. 2434, PG. 767
(ARLINGTON COUNTY RECORDS)

BOULEVARD MANOR & LUCY T. REEVES ESTATE
D.B. 1042, PG. 264



ARLINGTON VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
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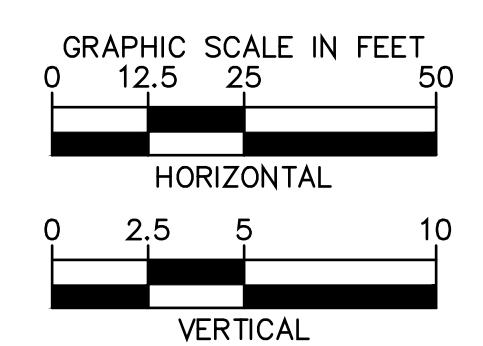
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<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
EXISTING CONDITIONS PLAN AND PROFILE
ARLINGTON COUNTY, VIRGINIA

CONTROL DATA:

POINT #	NORTHING	EASTING	ELEVATION	DESC.
30	7001463.99	11870765.77	293.04	TRV 30
31	7001458.08	11871169.61	278.85	FLY 31
35	7001317.47	11870889.40	284.68	FLY 35
36	7001287.29	11870501.89	300.26	FLY 36



Designed: JGJ
Drawn: JGJ
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

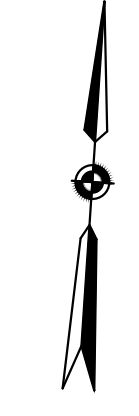
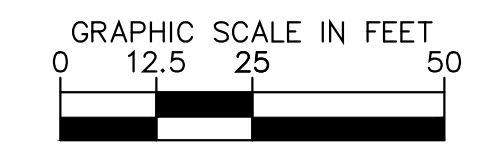
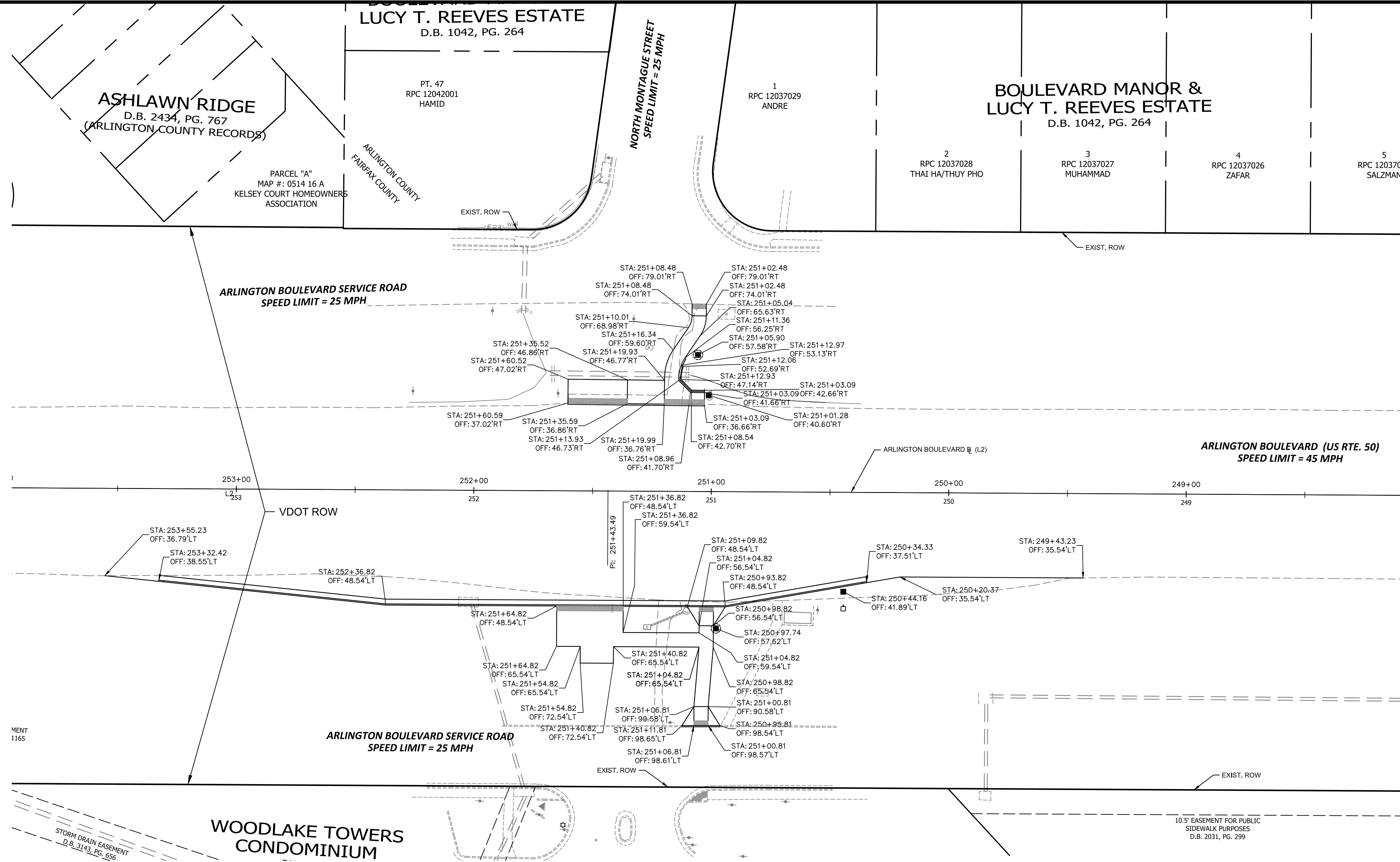
Scale: HOR. 1" = 25' VERT. 1" = 5'

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REVISED: MARCH 03, 2020

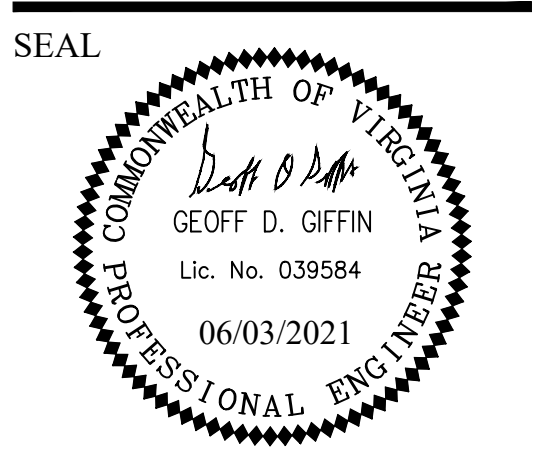
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NOTE:
 ALL STATION/OFFSET DATA BASED UPON ARLINGTON BOULEVARD CENTERLINE ALIGNMENT.
 STATION/OFFSET CALLOUTS FOR CURB ARE LABELED FOR THE BACK OF CURB.



DEPARTMENT OF ENVIRONMENTAL SERVICES
 Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

NO.	BEGIN STATION	END STATION	LENGTH	COORDINATES NORTHING (START)	COORDINATES EASTING (START)	COORDINATES NORTHING (END)	COORDINATES EASTING (END)
L2	251+43.49	254+62.22	318.73'	7001359.4285	11870802.1960	7001342.8006	11870483.8950

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
 GEOMETRIC CONTROL PLAN
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

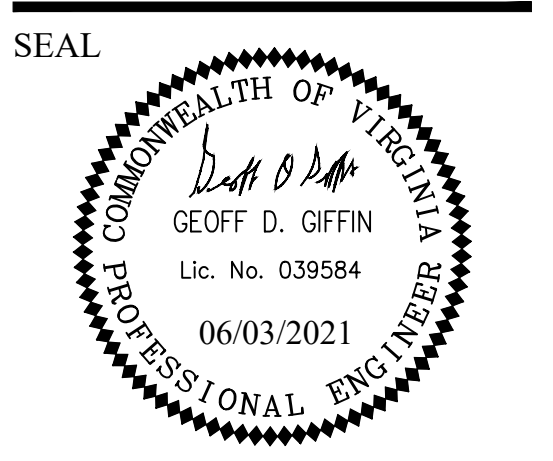
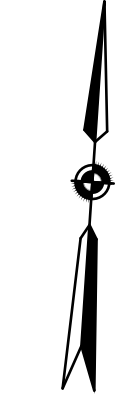
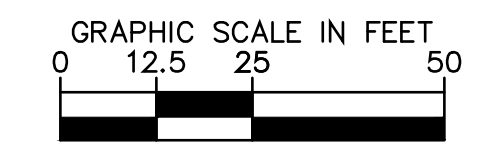
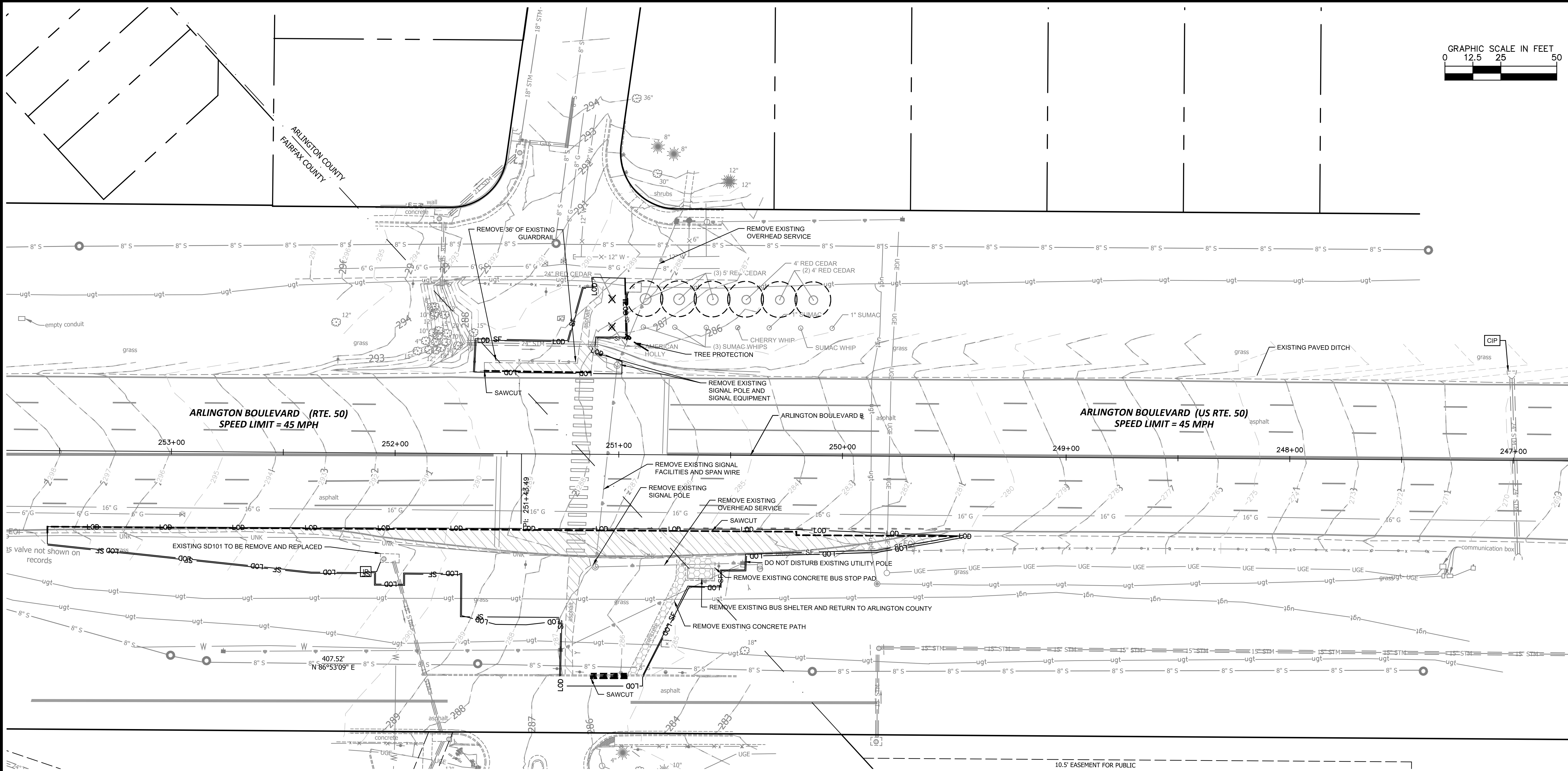
Plotted: June 03, 2021
 Plotted by: Miguel.Tyshing

Scale:
 HOR. 1" = 25' VERT. 1" = 5'

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REVISED: MARCH 03, 2020



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
 PHASE I EROSION CONTROLS AND
DEMOLITION PLAN
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: June 03, 2021
 Plotted by: Miguel Tyshing

Scale: HOR. 1" = 25' VERT. N/A

Filename: 0300 PHASE I EROSION CONTROLS AND DEMOLITION PLAN.dwg
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LEGEND

	REMOVE CONCRETE SIDEWALK
	REMOVE FULL DEPTH BITUMINOUS SURFACE
	REMOVE CONCRETE CURB AND GUTTER
	STORM SEWER STRUCTURE INLET PROTECTION TYPE A OR B
	CULVERT INLET PROTECTION TYPE C
	EROSION CONTROL FENCE (SILT FENCE)
	LIMITS OF DISTURBANCE
	TREE PROTECTION
	CRITICAL ROOT ZONE
	EXISTING EVERGREEN TREE
	EXISTING SHRUBS
	SHRUBS TO BE REMOVED

- NOTES:**
- BASED ON CONTRACTOR'S SEQUENCE OF CONSTRUCTION, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH COUNTY E&S/SWPPP INSPECTOR PRIOR TO PROCEEDING WITH ANY ON SITE WORK TO PROVIDE DOWNSTREAM EROSION AND SEDIMENT CONTROL.
 - SEE TRAFFIC SIGNALS PLAN FOR DEMOLITION OF TRAFFIC SIGNALS
 - SEE SIGNING AND MARKING PLAN FOR LOCATIONS OF SIGNS TO BE REMOVED OR RELOCATED. COORDINATE RELOCATIONS WITH MOT AND ACTUAL CONSTRUCTION.
 - CONTRACTOR SHALL PROTECT AND RETAIN ALL EXISTING MANHOLE LIDS, VALVES, AND JUNCTION BOXES.
 - THIS PLAN REMOVES 1 WHIP AND 1 SHRUB. REFER TO THE LANDSCAPE PLAN ON SHEET 1100 FOR LANDSCAPE SPECIES, SIZE AND LOCATION TO BE REPLANTED.
 - THE CONTRACTOR SHALL PRESERVE ALL BUS STOPS, INCLUDING MAINTAINING ADEQUATE ACCESS THROUGH AND ADJACENT TO THE CONSTRUCTION FOR BUSES AND THEIR PASSENGERS. THE CONTRACTOR SHALL NOT CLOSE, RELOCATE, OR OTHERWISE MODIFY A BUS STOP WITHOUT PRIOR REQUEST OF THE PROJECT OFFICER. TYPICALLY ANY RELOCATION OR CLOSURE OF A BUS STOP WILL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR AT 703-228-3049. ALL TEMPORARY AND FINAL BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.

To Be Removed	Size	Species	Common name	Comments
X	24" Cal	<i>Juniperus virginiana</i>	Red Cedar	
X	24" Cal	<i>Ilex opaca</i>	American Holly	
	5' Ht	<i>Juniperus virginiana</i>	Red Cedar	
	5' Ht	<i>Juniperus virginiana</i>	Red Cedar	
	5' Ht	<i>Juniperus virginiana</i>	Red Cedar	
	4' Ht	<i>Juniperus virginiana</i>	Red Cedar	
	4' Ht	<i>Juniperus virginiana</i>	Red Cedar	
	4' Ht	<i>Juniperus virginiana</i>	Red Cedar	
	Whip	<i>Rhus spp.</i>	Sumac	
	Whip	<i>Rhus spp.</i>	Sumac	
	Whip	<i>Rhus spp.</i>	Sumac	
	Whip	<i>Prunus</i>	Cherry	
	1" Cal	<i>Rhus spp.</i>	Sumac	
	Whip	<i>Rhus spp.</i>	Sumac	
	1" Cal	<i>Rhus spp.</i>	Sumac	

LIMITS OF DISTURBANCE

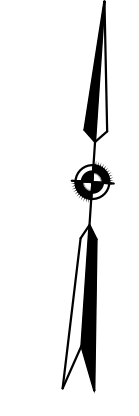
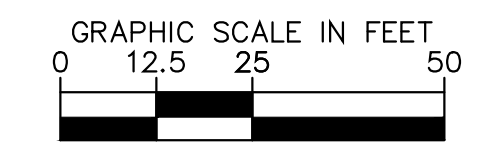
	TOTAL LOD (SF)	IMPERVIOUS AREA (SF)	% IMPERVIOUS AREA	PERVIOUS AREA (SF)	% PERVIOUS AREA
PRE DEVELOPMENT	11252	4221	38%	7031	62%
POST DEVELOPMENT	11252	6090	54%	5162	46%

	TOTAL LOD (SF)	ASPHALT AREA (SF)*	CONCRETE AREA (SF)*
PRE DEVELOPMENT	11252	3931	290
POST DEVELOPMENT	11252	3368	2723

*ASPHALT INCLUDES ASPHALT PAVEMENT AND ASPHALT PEDESTRIAN PATH. CONCRETE INCLUDES CURB RAMP, SIDEWALK, CURB, BUS STOP, AND CURB AND GUTTER.

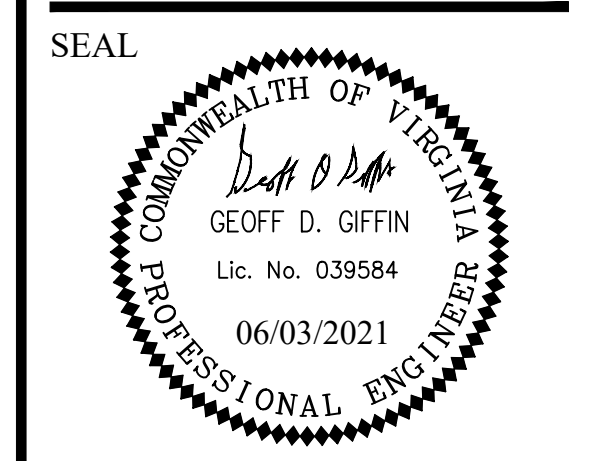
FOUR MILE RUN - FOUR MILE RUN UPPER MAINSTREAM 2 WATERSHED

REVISED: MARCH 03, 2020



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606



APPROVALS	DATE
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<i>[Signature]</i> TE&S BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
INTERSECTION IMPROVEMENTS PLAN
ARLINGTON COUNTY, VIRGINIA

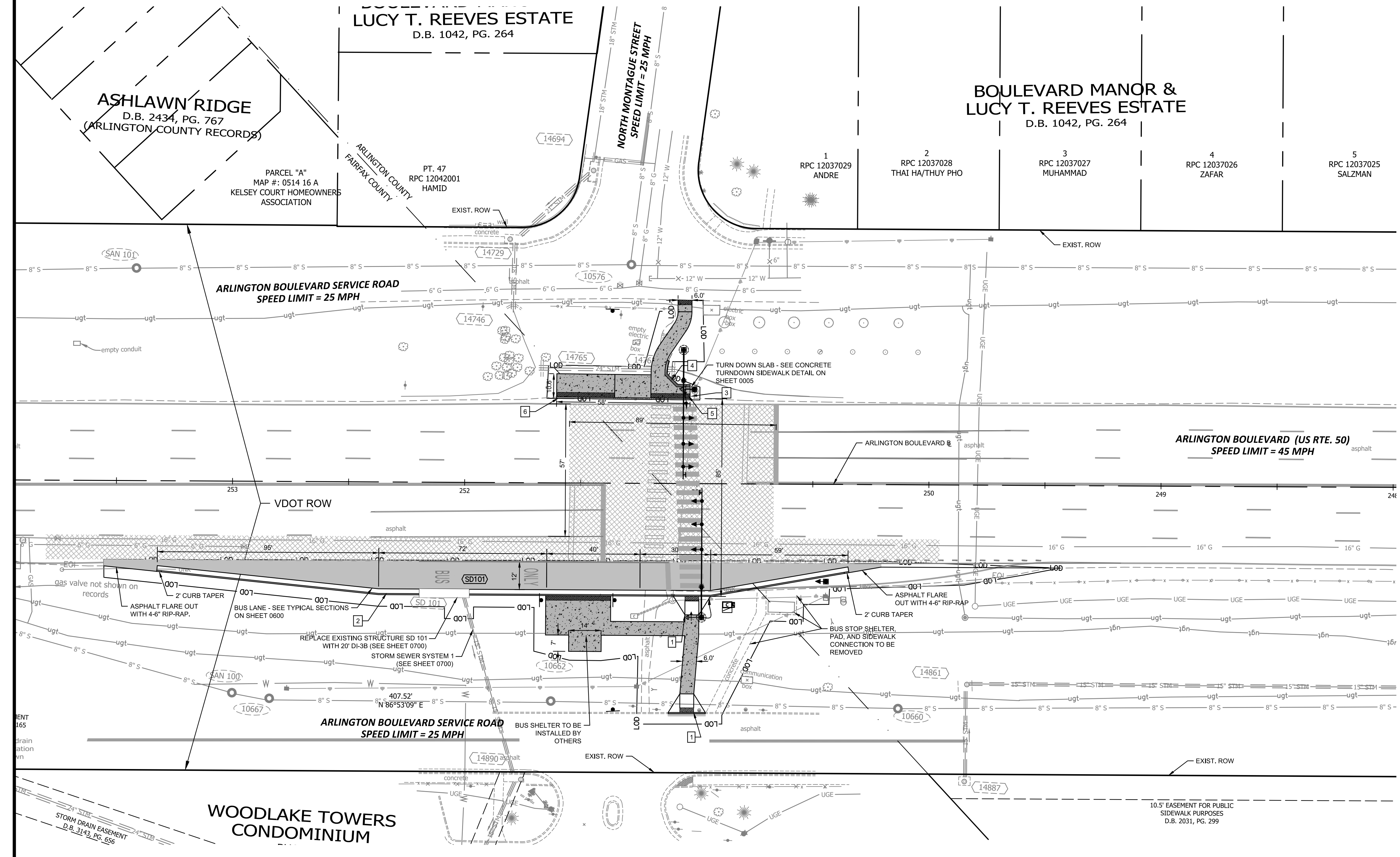
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Plotted: June 03, 2021
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Scale: HOR. 1" = 25' VERT. 1" = 5'

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Phone: 703-674-1300
Fax: 703-674-1350

Sheet **0400**



NOTE: ALL INFRASTRUCTURE WITHIN THE RIGHT-OF-WAY BETWEEN THE ARLINGTON BOULEVARD SERVICE ROADS WILL BE MAINTAINED BY VDOT WITH THE EXCEPTION OF TRAFFIC SIGNAL INFRASTRUCTURE AND PLANTINGS ON THE NORTH SIDE OF ARLINGTON BOULEVARD.

CONSTRUCTION NOTES
1. ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH VDOT STD. WP-2
2. THE CONTRACTOR IS RESPONSIBLE FOR THE PICK-UP AND DELIVERY OF THE BUS STOP SHELTER UNITS AND SITE FURNISHINGS FROM THE ARLINGTON COUNTY'S BUS SHELTER STORAGE WAREHOUSE LOCATED AT 2900 S. EADS STREET, ARLINGTON VA 22202. CONTRACTOR SHALL COORDINATE THE PICK-UP WITH ASSIGNED COUNTY STAFF AT LEAST FORTY EIGHT (48) HOURS PRIOR TO DELIVERY.

LEGEND

1	VDOT STD CG-12 TYPE A PEDESTRIAN CURB RAMP
2	VDOT STD. CG-6 CURB AND GUTTER
3	VDOT STD. CG-2 CURB
4	VDOT STD. HR-1 TYPE II PEDESTRIAN RAILING
5	VDOT STD. CG-12 TYPE B MODIFIED PEDESTRIAN CURB RAMP
6	VDOT STD. CG-3 CURB
[Pattern]	FULL DEPTH ASPHALT PAVEMENT
[Pattern]	MILL & OVERLAY (2" ASPHALT CONCRETE, TYPE SM-9.5D)
[Pattern]	ARL. CO. STD. CONCRETE SIDEWALK
[Pattern]	VDOT STD CG-12 DETECTABLE WARNING SURFACE

LIMITS OF DISTURBANCE

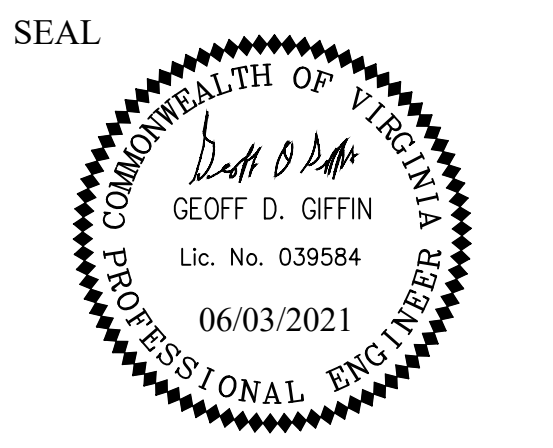
	TOTAL LOD (SF)	IMPERVIOUS AREA (SF)	% IMPERVIOUS AREA	PERVIOUS AREA (SF)	% PERVIOUS AREA
PRE DEVELOPMENT	11252	4221	38%	7031	62%
POST DEVELOPMENT	11252	6090	54%	5162	46%

	TOTAL LOD (SF)	ASPHALT AREA (SF)*	CONCRETE AREA (SF)*
PRE DEVELOPMENT	11252	3931	290
POST DEVELOPMENT	11252	3368	2723

*ASPHALT INCLUDES ASPHALT PAVEMENT AND ASPHALT PEDESTRIAN PATH. CONCRETE INCLUDES CURB RAMP, SIDEWALK, CURB, BUS STOP, AND CURB AND GUTTER.

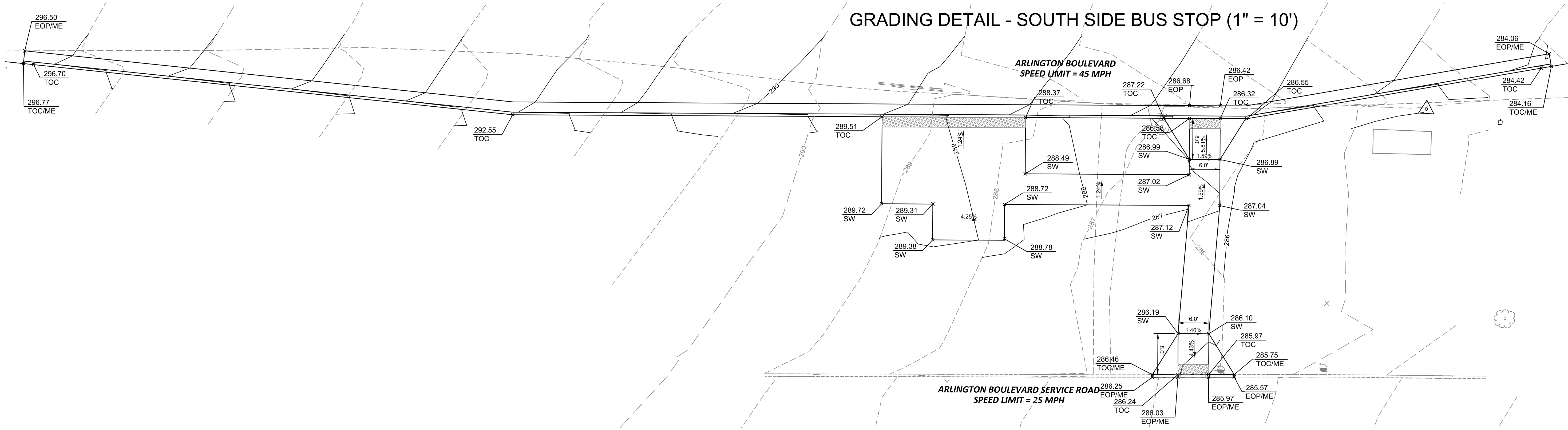
FOUR MILE RUN - FOUR MILE RUN UPPER MAINSTREAM 2 WATERSHED

REVISED: MARCH 03, 2020

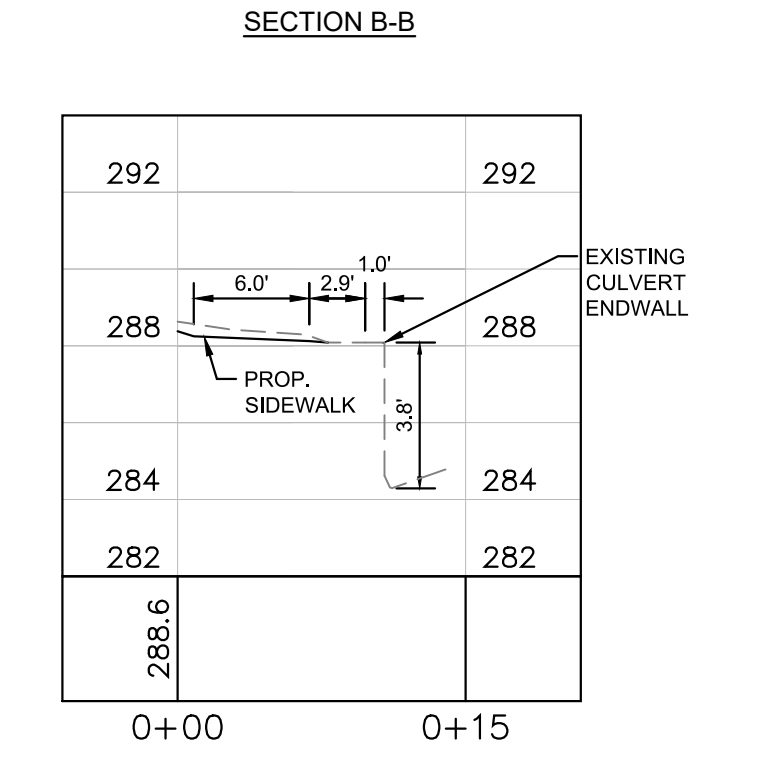
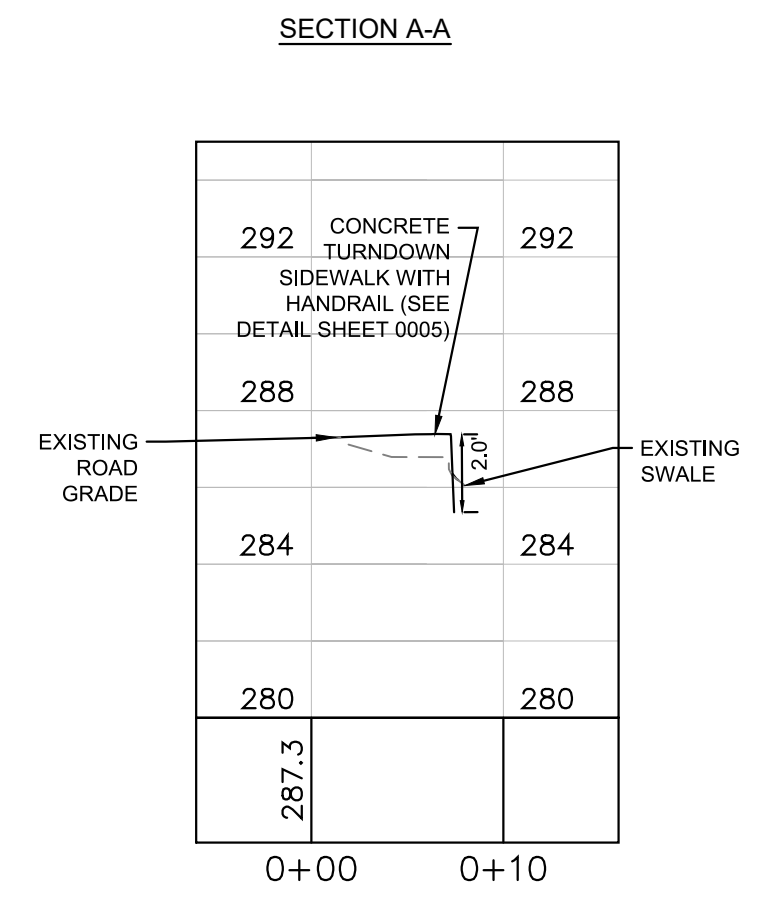
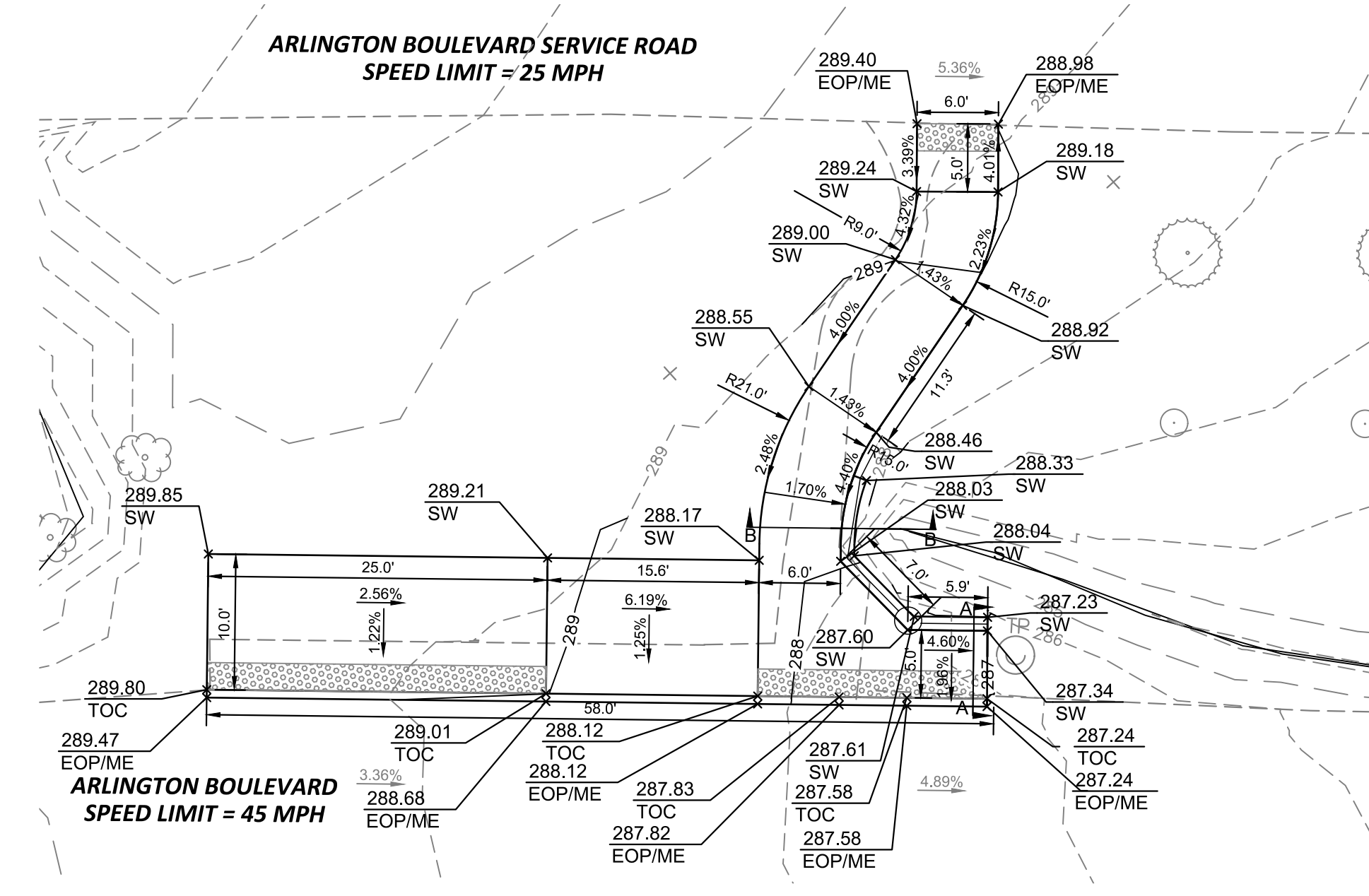


APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

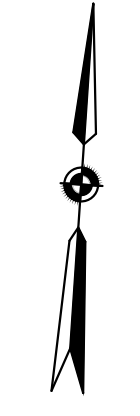
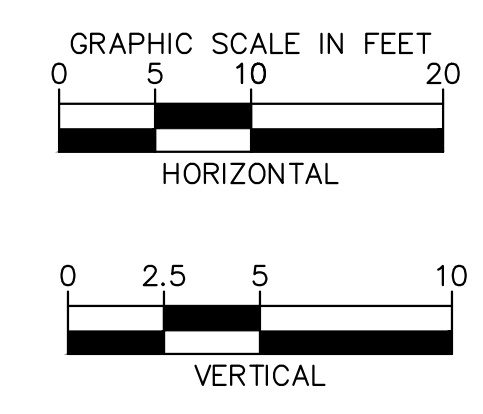


GRADING DETAIL - NORTH SIDE BUS STOP (1" = 10')



GRADING LEGEND

- ME = MATCH EXISTING
- TOC = TOP OF CURB
- EOP = EDGE OF PAVEMENT
- SW = SIDEWALK
- G = GRADE



Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
GRADING DETAILS
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

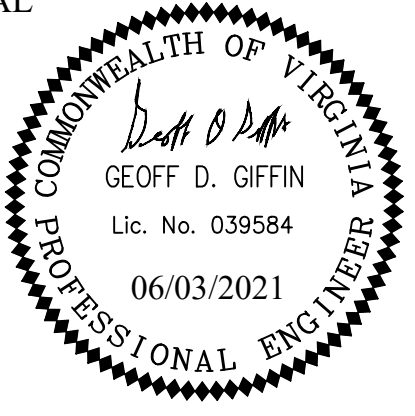
Scale: HOR. 1"=10' VERT. 1"= 5'

Kimley-Horn
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Reston, Virginia 20191
Phone: 703-674-1300
Fax: 703-674-1350

Sheet
0500

Filename: 0600 RAMP DETAILS.dwg
Path: K:\NVA_TPT\110010094_Arlington Blvd at Montague CAD\PlanSheets

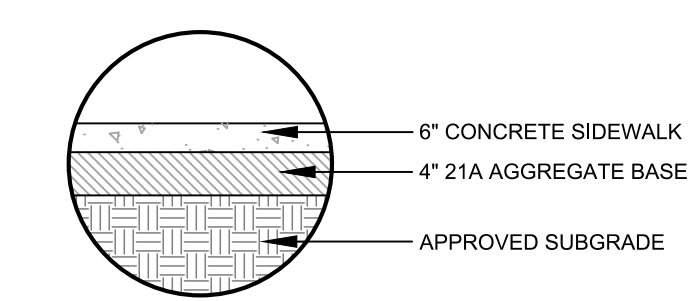
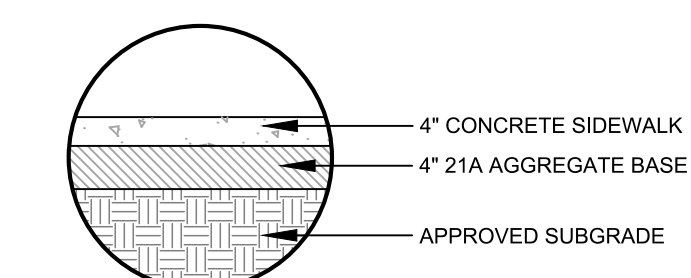
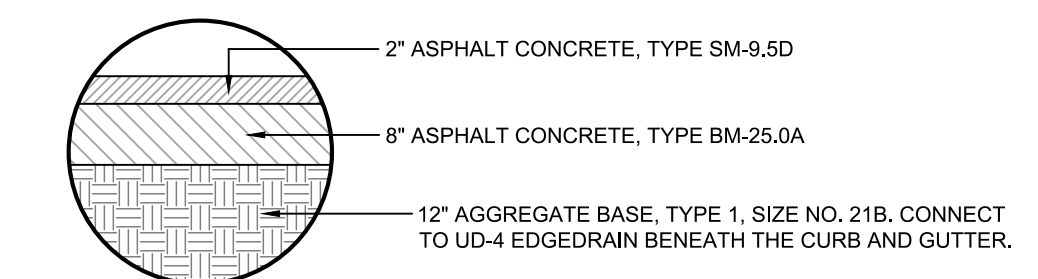
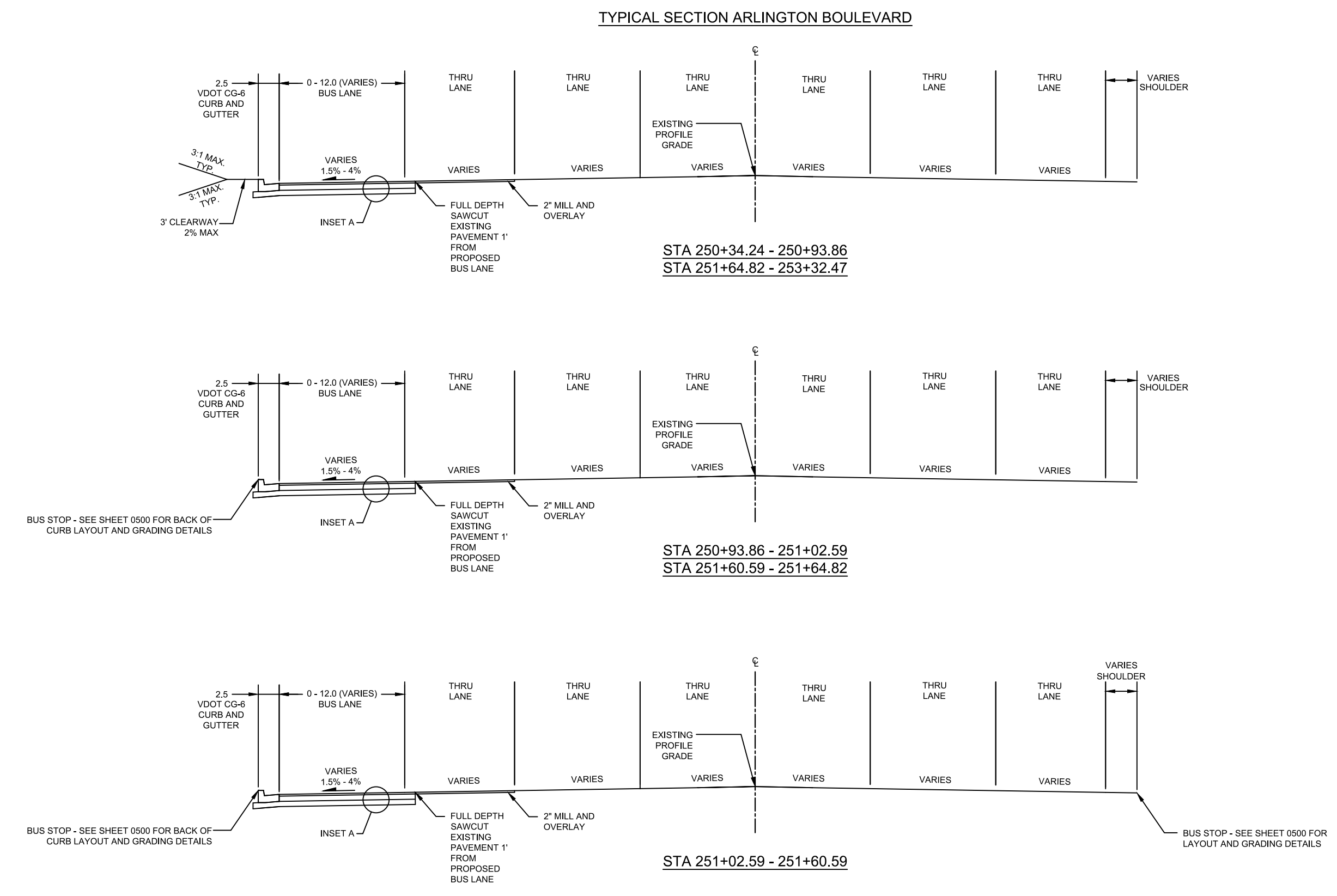
SEAL



APPROVALS DATE

<i>[Signature]</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>[Signature]</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>[Signature]</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	06/02/2021
TE&O BUREAU CHIEF	
<i>[Signature]</i>	06/03/21
DENNIS W. LEACH	
TRANSPORTATION DIRECTOR	

REVISIONS DATE



NOTES:
THE PROPOSED ASPHALT AND AGGREGATE SUBBASE THICKNESSES BENEATH THE WIDENED PAVEMENT SHALL BE AS INDICATED ON TYPICAL SECTIONS OR MATCH THE EXISTING ASPHALT AND AGGREGATE THICKNESSES, WHICHEVER IS GREATER.

PAVEMENT SUBGRADE MUST BE INSPECTED AND APPROVED BY A VIRGINIA PROFESSIONAL GEOTECHNICAL ENGINEER HIRED BY THE CONTRACTOR.

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
TYPICAL SECTIONS
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

Scale: HOR. N/A VERT. N/A

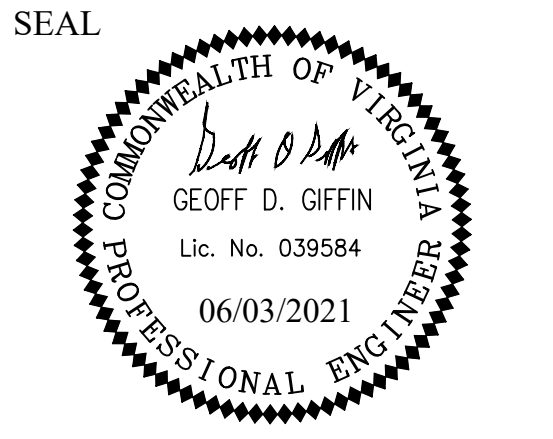


Sheet **0600**



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
 North Montague Street
 Signal Upgrades**
 DRAINAGE PROFILES
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: June 03, 2021
 Plotted by: Miguel.Tyshing

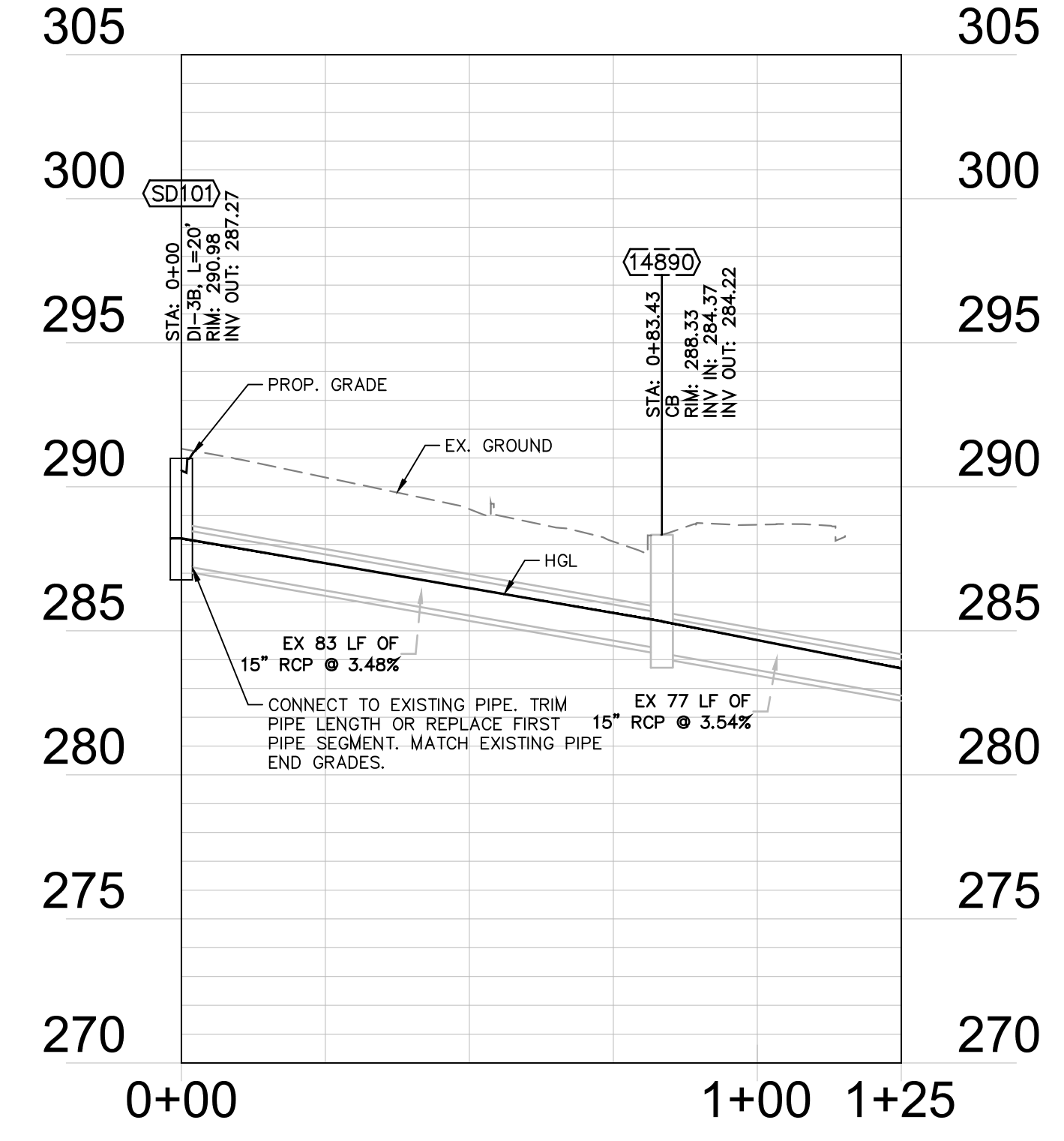
Scale: HOR. 1" = 25' VERT. 1" = 5'



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 Reston Virginia 20191
 Phone: 703-674-1300
 Fax: 703-674-1350

Sheet **0700**

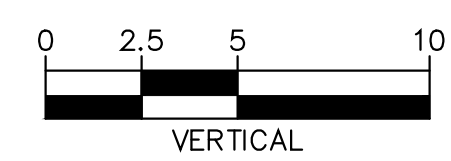
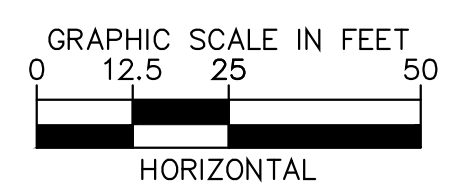
STORM SEWER SYSTEM 1 - PROFILE VIEW

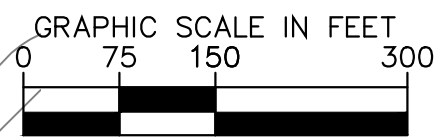
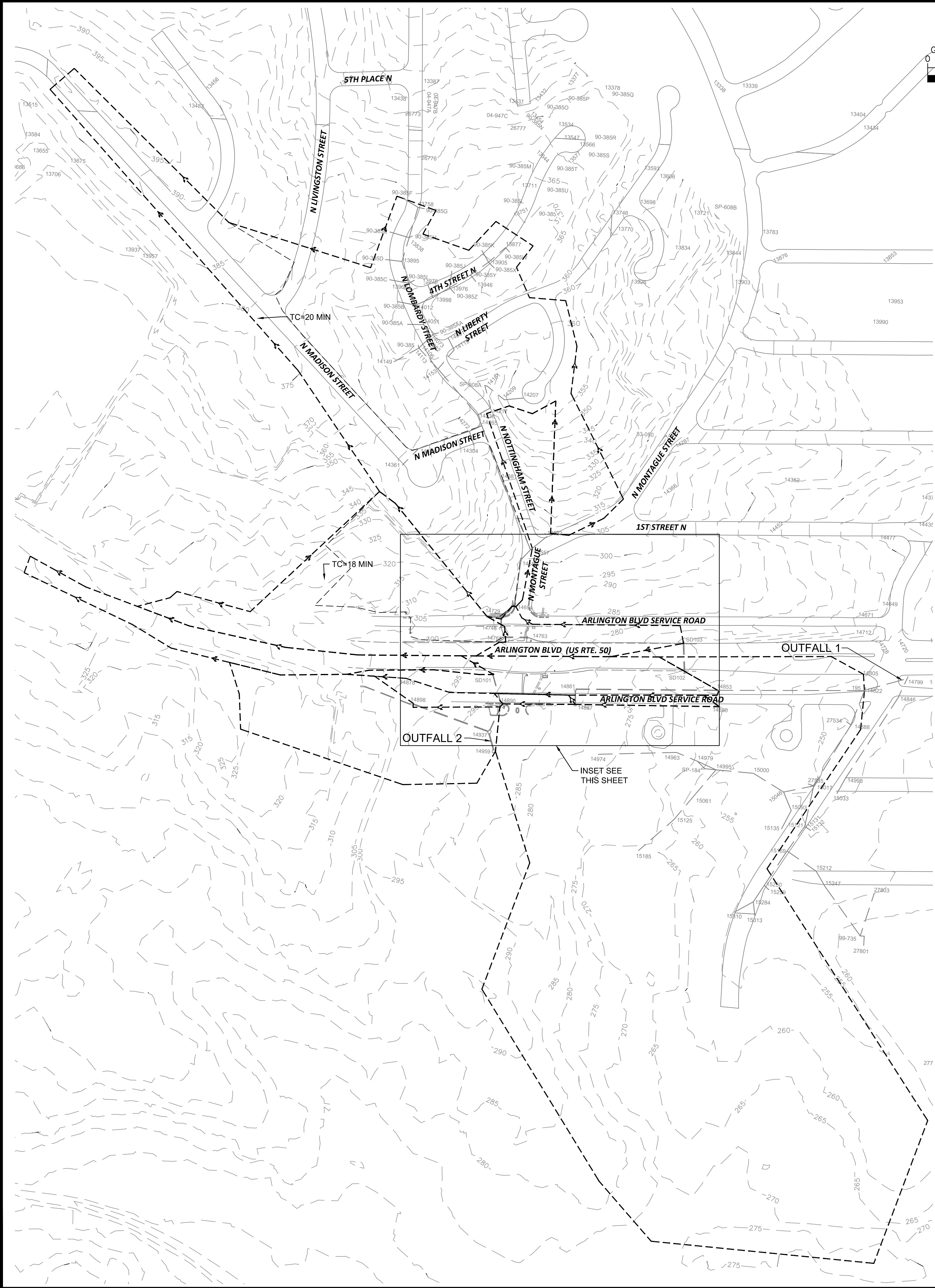


STORM DRAINAGE DESCRIPTIONS

SD101 Remove Existing Drop Inlet
 Install 1 Std. DI-3B, L=20'
 Adjust to Grade
 Proposed Top Elev=190.9'
 Connect to Existing 15" RCP

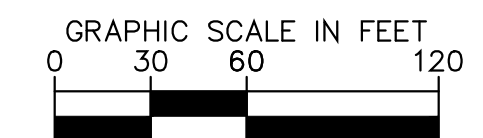
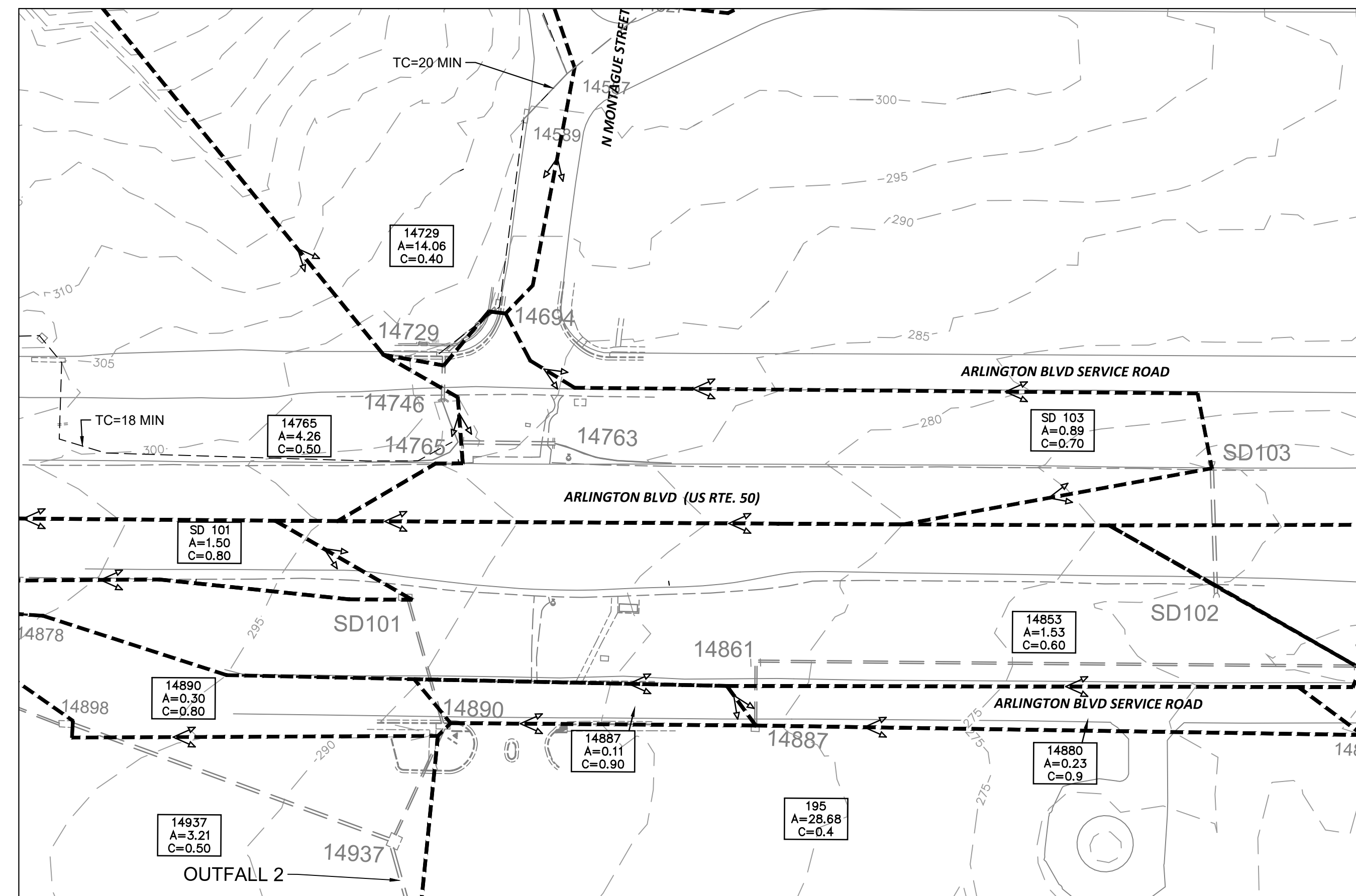
NOTE:
 1. SEE SHEET 0400 FOR PLAN VIEW.
 2. POST-CONSTRUCTION PIPE INSTALLATION INSPECTIONS TO BE PROVIDED AS REQUIRED BY SECTION 302.03(d) OF THE VDOT 2016 ROAD & BRIDGE SPECIFICATIONS.





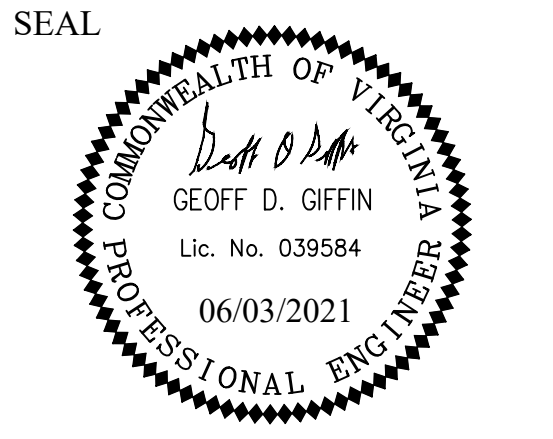
LEGEND

- DRAINAGE AREA BOUNDARY
- FLOW PATH
- DRAINAGE AREA LABEL
 - A = INLET
 - B = AREA (AC)
 - C = RUNOFF COEFFICIENT



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606



APPROVALS	DATE
<i>Geoff D. Giffin</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>John Nicks</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>Debra</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>Donna M. Leach</i> TRANSPORTATION DIRECTOR	06/02/2021
	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
PRE-DEVELOPMENT DRAINAGE DIVIDES
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

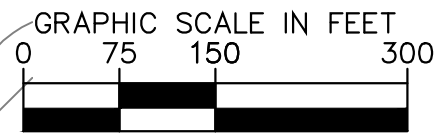
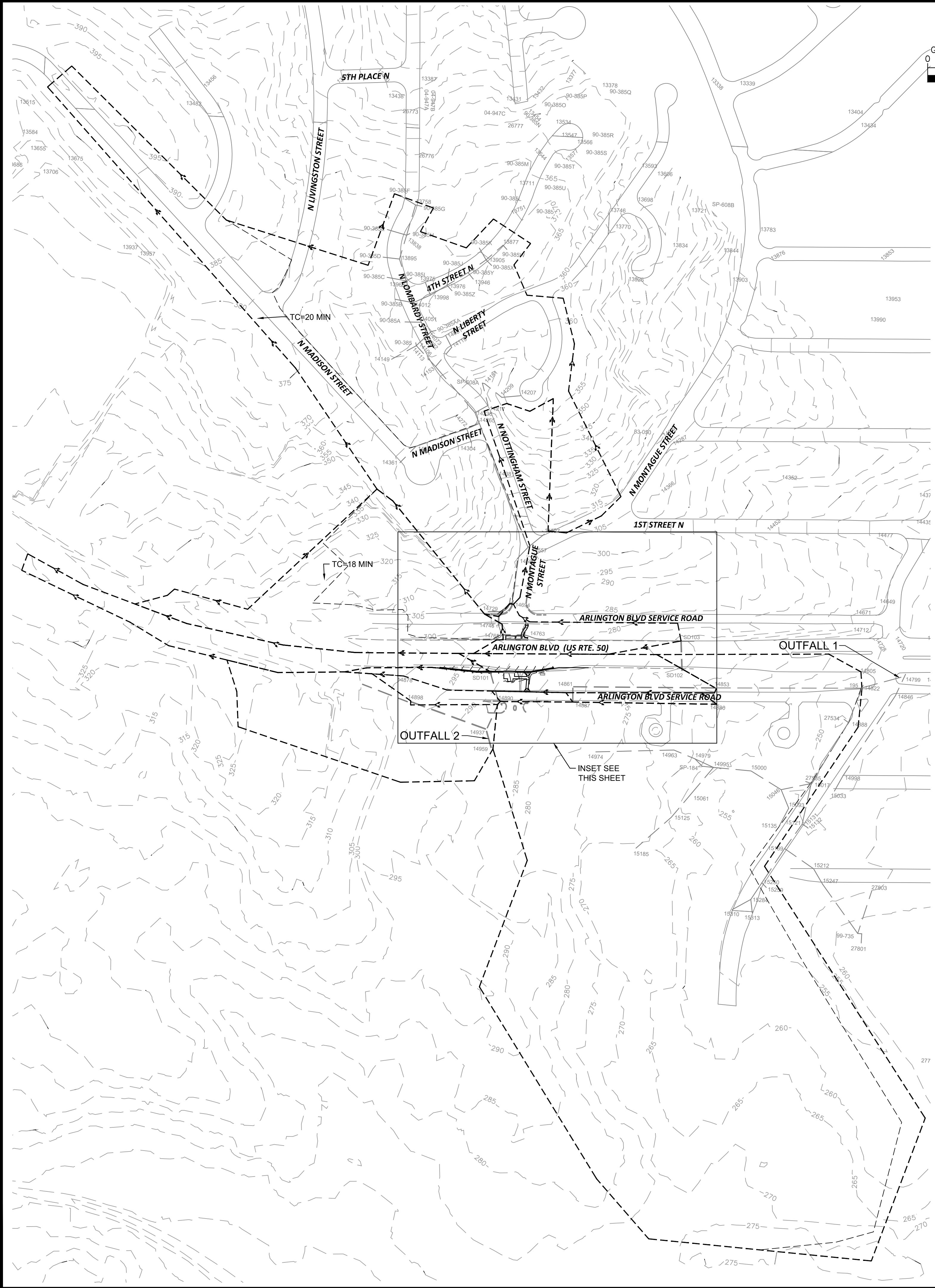
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Sheet **0701**

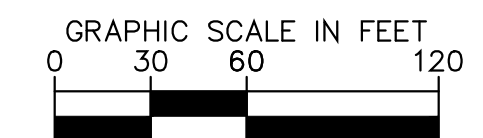
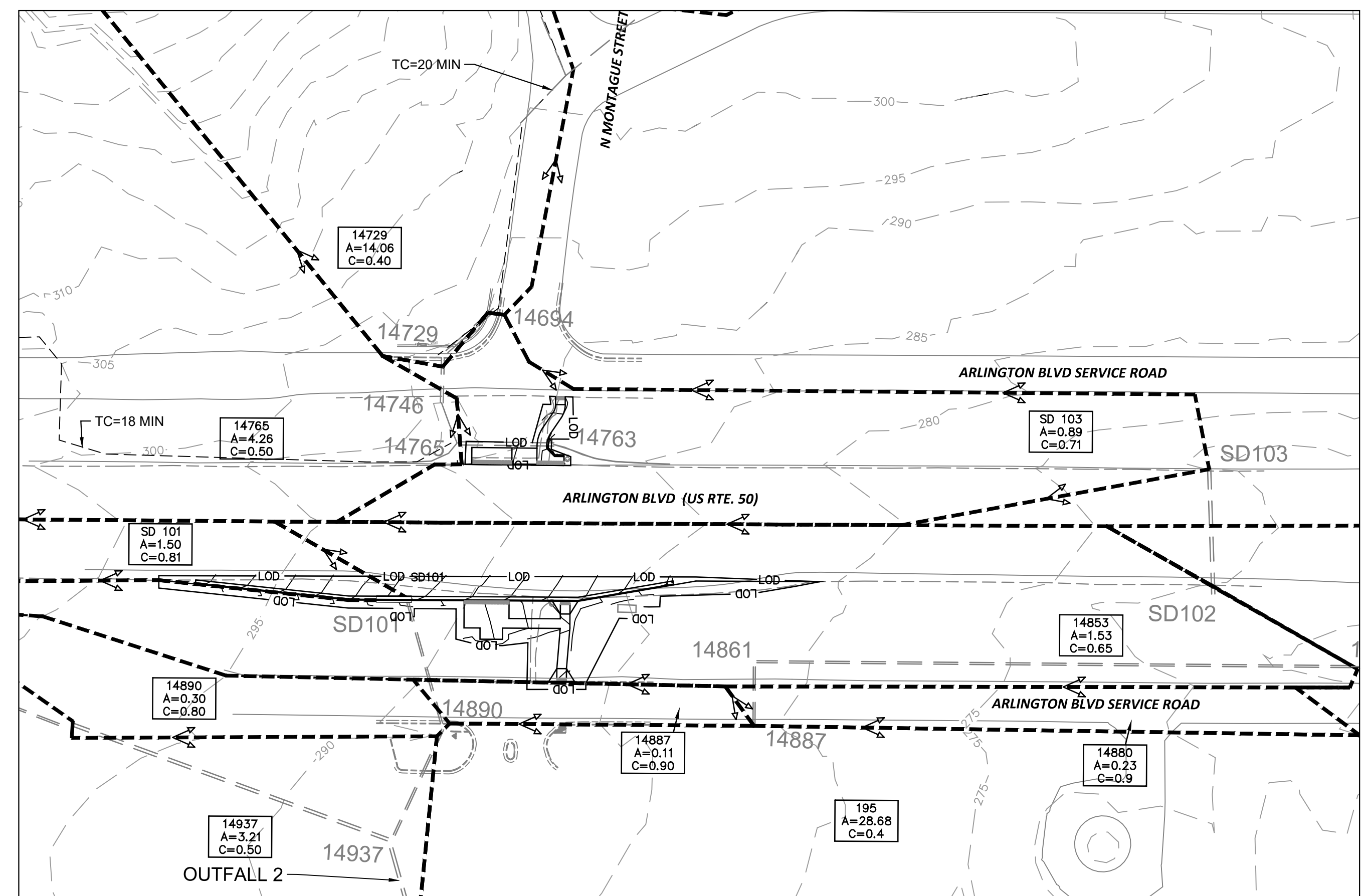
REVISED: MARCH 03, 2020

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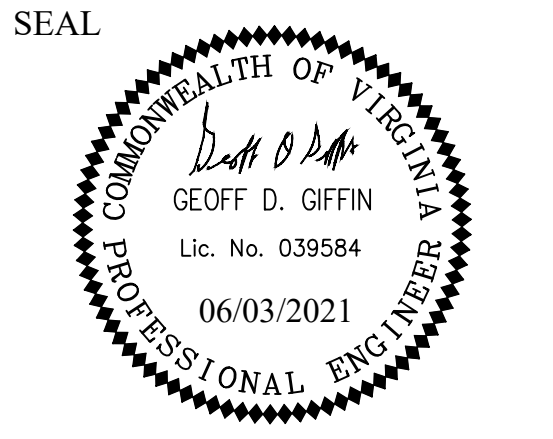
LEGEND

- DRAINAGE AREA BOUNDARY
- FLOW PATH
- DRAINAGE AREA LABEL
 - A = INLET
 - B = AREA (AC)
 - C = RUNOFF COEFFICIENT



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>[Signature]</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>[Signature]</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	06/02/2021
TE&O BUREAU CHIEF	
<i>[Signature]</i>	06/03/21
TRANSPORTATION DIRECTOR	

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
 North Montague Street
 Signal Upgrades**
 POST-DEVELOPMENT DRAINAGE
 DIVIDES
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: June 03, 2021
 Plotted by: Miguel.Tyshing

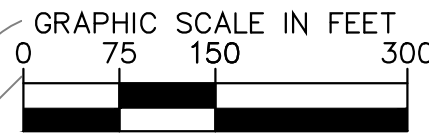
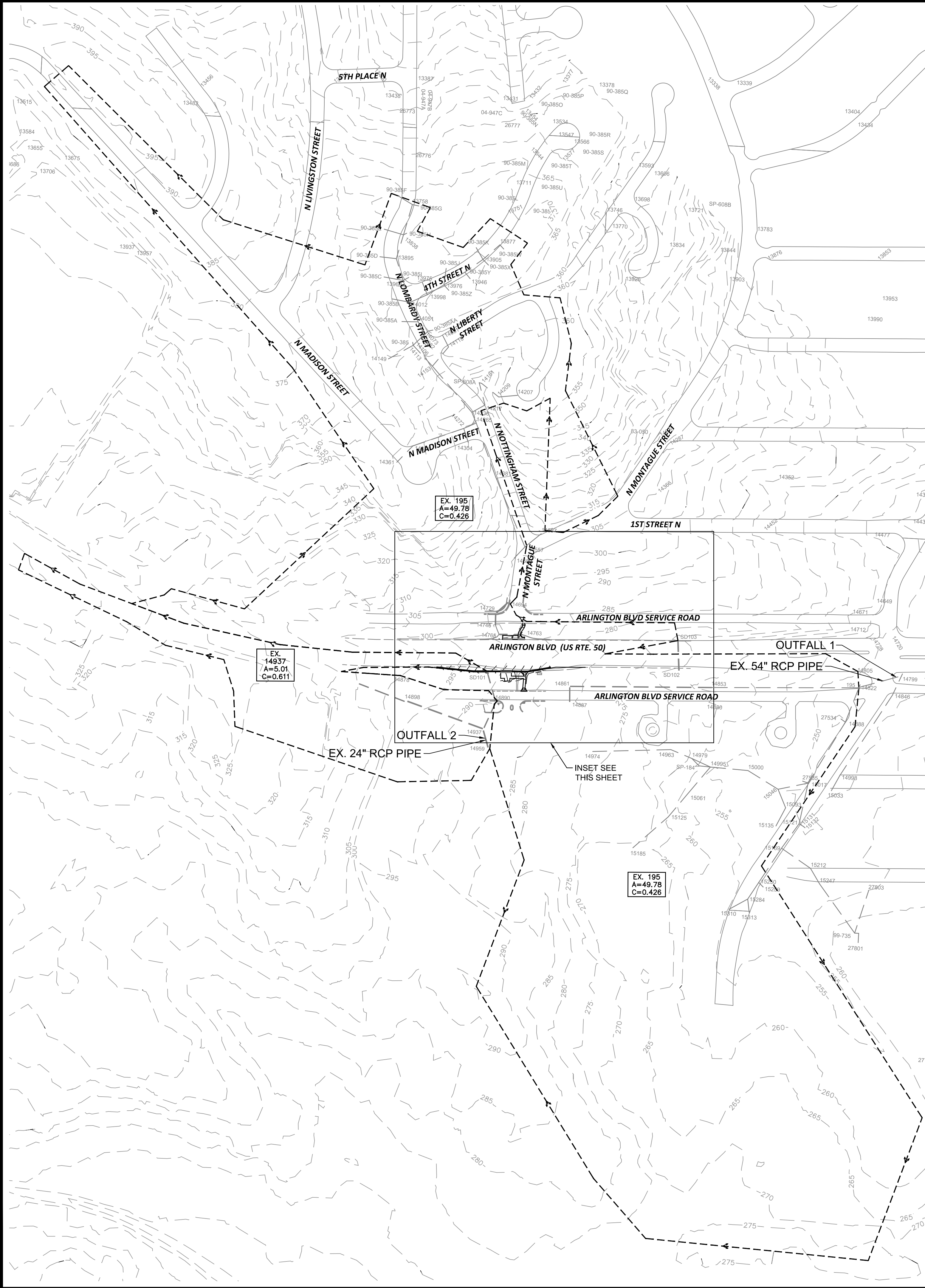
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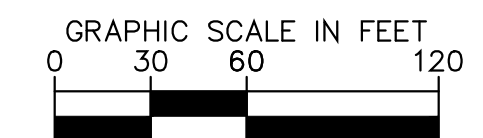
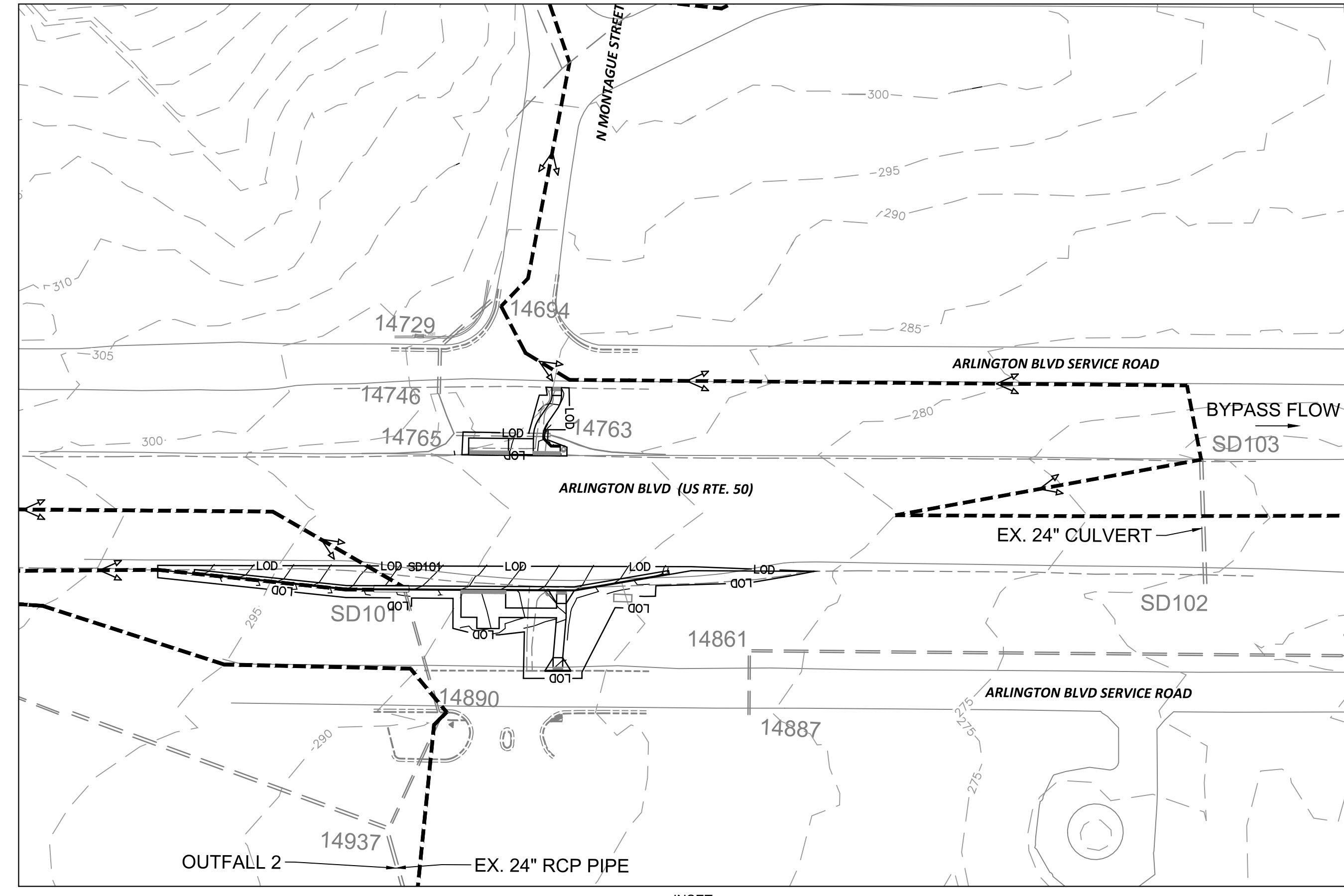
Sheet 0702

REVISED: MARCH 03, 2020

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LEGEND



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606

SEAL



APPROVALS DATE

<i>[Signature]</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>[Signature]</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>[Signature]</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	06/02/2021
TE&O BUREAU CHIEF	
<i>[Signature]</i>	06/03/21
TRANSPORTATION DIRECTOR	

REVISIONS DATE

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
 North Montague Street
 Signal Upgrades**
 OUTFALL MAP
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

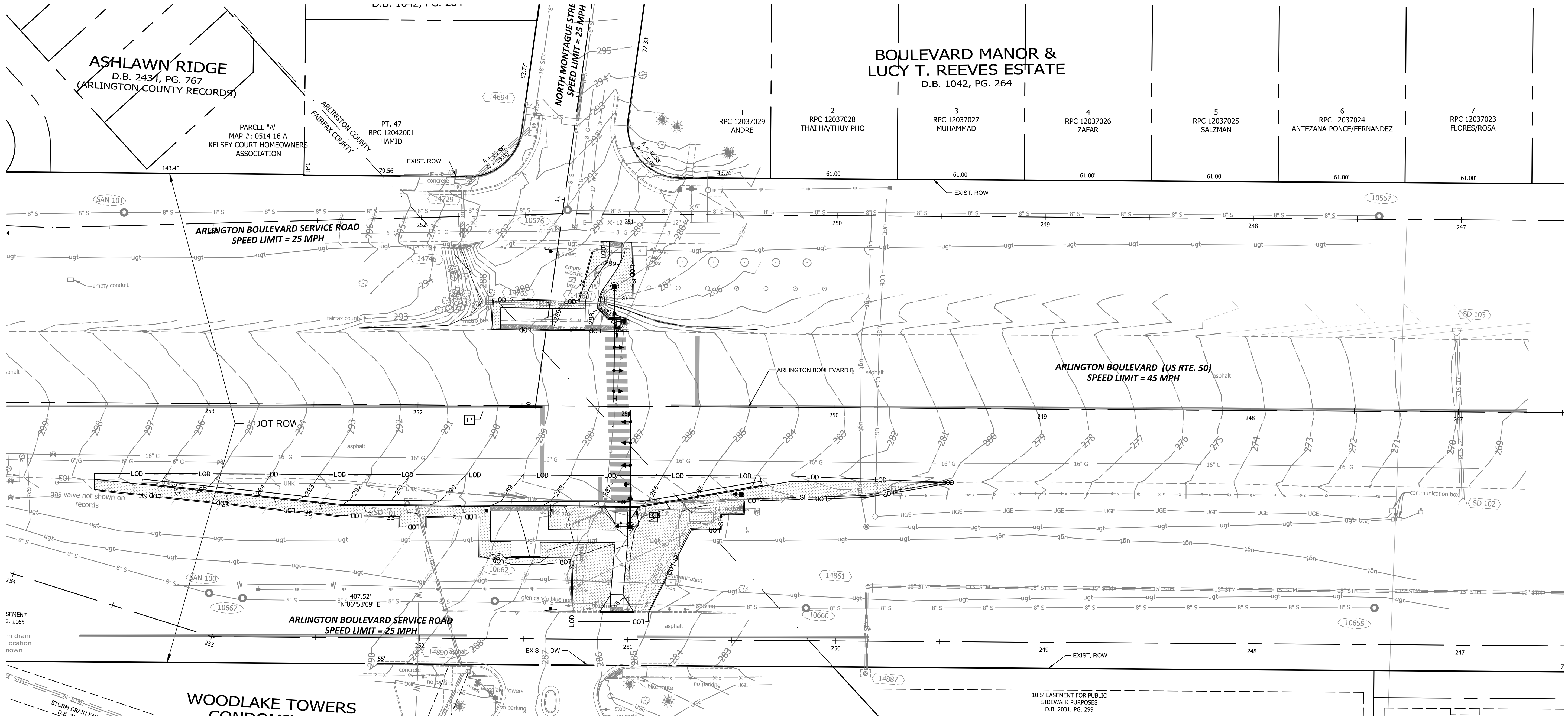
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 Plotted by: Miguel.Tyshing

Scale:



Sheet 0703

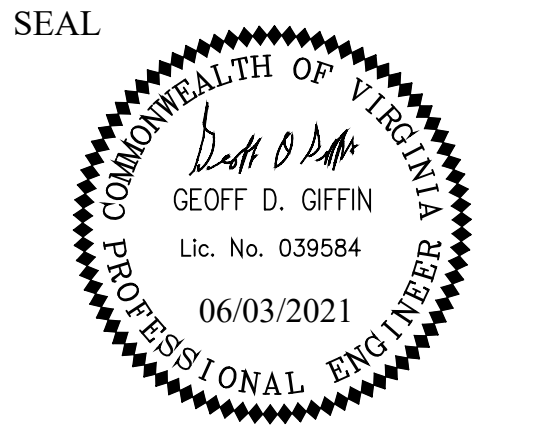
REVISED: MARCH 03, 2020



ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades

PHASE 2 EROSION CONTROLS
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

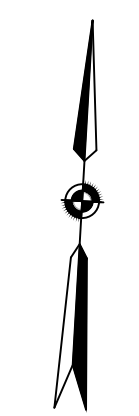
Plotted: June 03, 2021
 Plotted by: Miguel.Tyshing

Scale: HOR. 1" = 25' VERT. N/A

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 Reston, Virginia 20191
 Phone: 703-674-1300
 Fax: 703-674-1350

Sheet **0800**

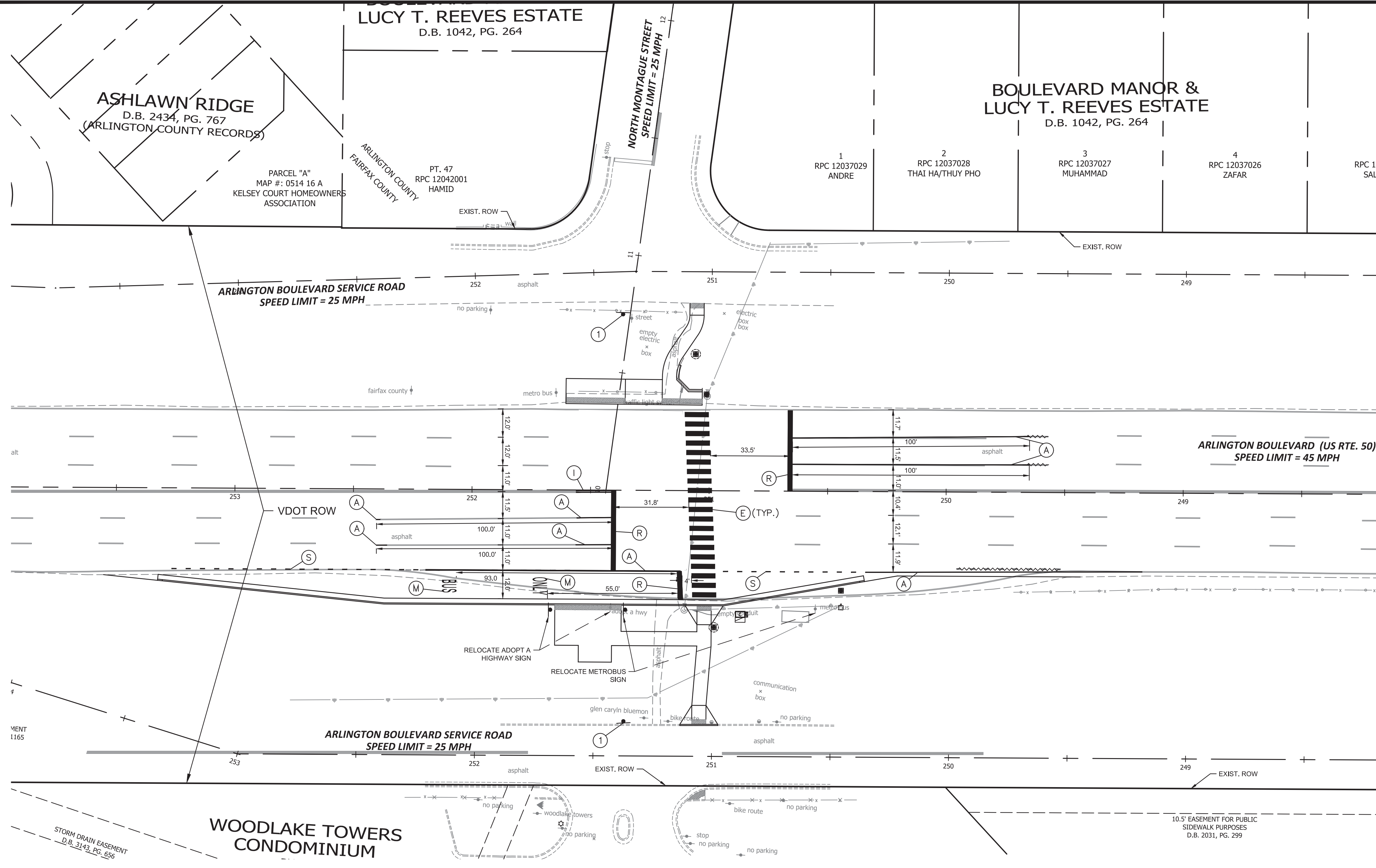
- LEGEND**
- EROSION CONTROL FENCE (SILT FENCE)
 - LIMITS OF DISTURBANCE
 - SODDING
 - STORM SEWER STRUCTURE INLET PROTECTION TYPE A OR B



Filename: 0700 PHASE 2 EROSION CONTROLS.dwg
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REVISED: MARCH 03, 2020

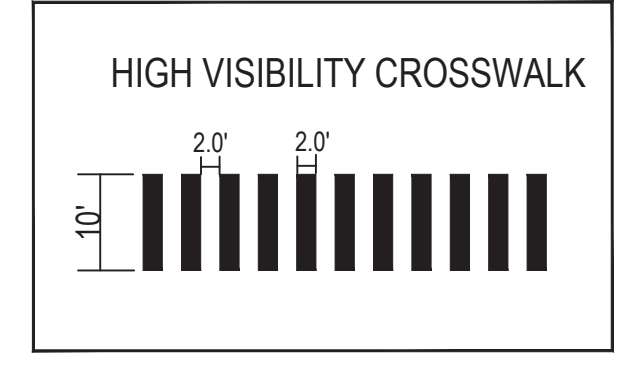
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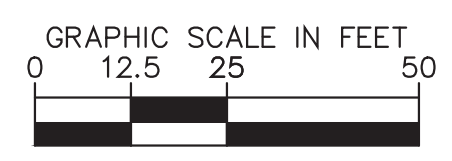
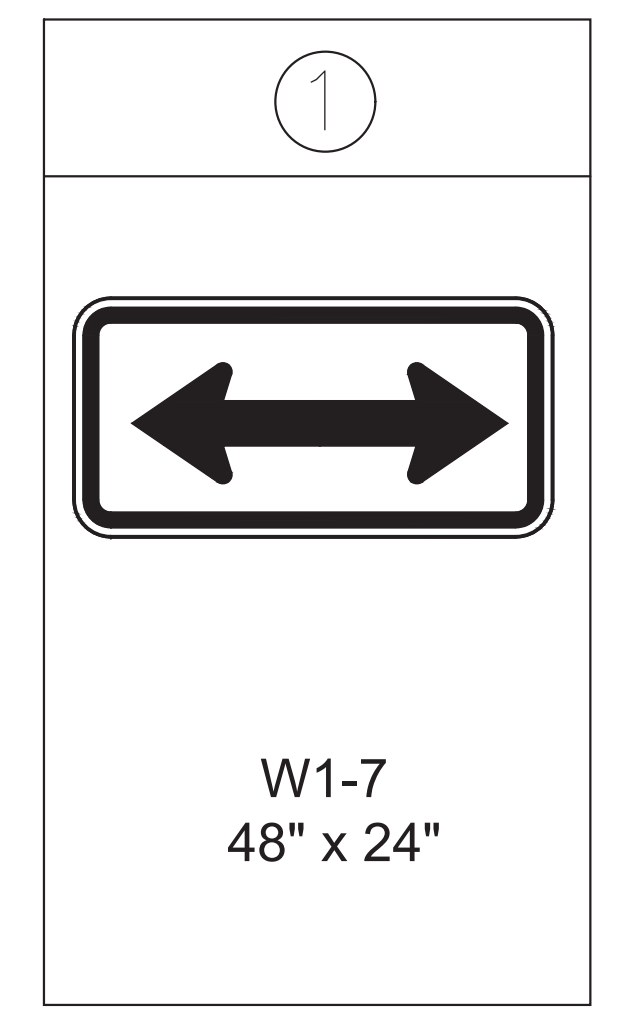
- SIGN AND PAVEMENT MARKING NOTES:**
- STREET WIDTH MEASUREMENTS ARE FROM FACE OF CURB TO FACE OF CURB. LANES ARE MEASURED FROM CENTER OF MARKING TO CENTER OF MARKING.
 - CONTACT DENNIS HOWELL OR HIS DESIGNEE AT 703-228-6598 OR (571) 437-1077 TO APPROVE MARKING LAYOUT 48 HRS. PRIOR TO INSTALLATION OF MARKINGS.
 - PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE FOLLOWING AND ANY REVISIONS HERE TO:
 - THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - VDOT ROAD AND BRIDGE SPECIFICATIONS AND 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.

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	HIGH VISIBILITY 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
(R) TYPE B CLASS 1.....WHITE 24" WIDTH	STD. VDOT THERMOPLASTIC STOP BAR
(S) TYPE B CLASS 1.....WHITE 4" WIDTH, 2' LONG, 4" SPACING	LANE TRANSITIONS
~ ~ ~ PAVEMENT MARKING ERADICATION	



SIGNING LEGEND



Virginia Department of Transportation
REVIEW OF WORKING DRAWINGS
 Working drawings have been reviewed in accordance with Section 105.10 2016 VDOT Road & Bridge Specifications

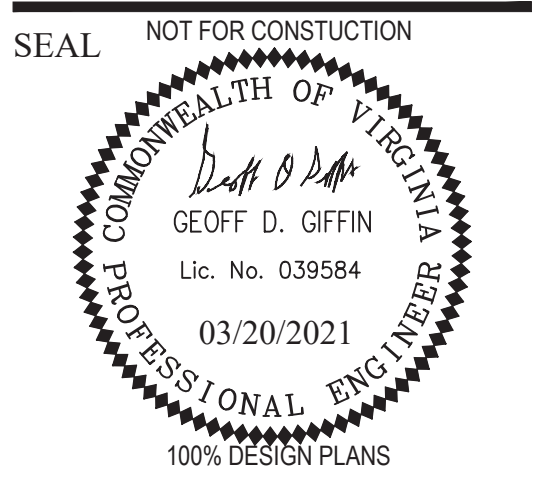
**X REVIEW COMPLETED
 CORRECT & RESUBMIT
 REJECTED - SEE REMARKS**

Reviewed by: G. Sarmac Date: 4/22/2021

ARLINGTON VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS

APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades

PROPOSED PAVEMENT MARKING AND SIGNING PLAN
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: March 20, 2021
 Plotted by: Nicole.McVey

Scale: HOR. 1" = 25' VERT. 1" = 5'

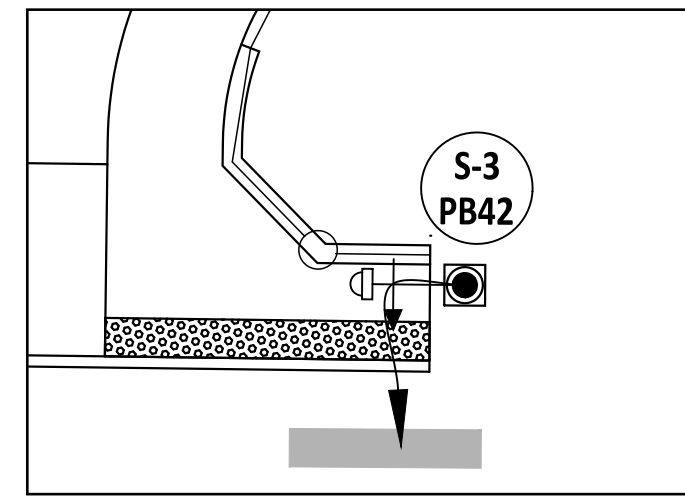
Kimley-Horn
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 Phone: 703-674-1300
 Fax: 703-674-1350

Sheet **0900**

PROPOSED SIGNS

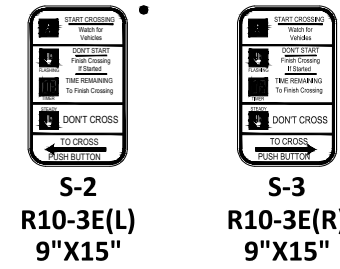


S-1
R3-3
36"X36"



PEDESTRIAN SIGN AND PUSH
BUTTON DETAIL FOR THE
NORTH SIDE
(1" = 10')

**PROPOSED ACCESSIBLE
PEDESTRIAN PUSHBUTTONS**



S-2
R10-3E(L)
9"X15"

S-3
R10-3E(R)
9"X15"

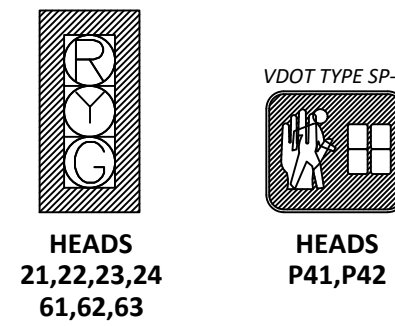


PB41, PB42

- PEDESTRIAN PUSHBUTTON SIGN SHALL BE MOUNTED ABOVE PEDESTRIAN PUSHBUTTON.
- ACCESSIBLE PUSHBUTTON SYSTEM SHALL BE POLARA SYSTEM CONFORMING TO ARLINGTON COUNTY SPECIFICATION AND SHALL INCLUDE A POLARA CENTRAL CONTROL UNIT.

PUSHBUTTON	WALK MESSAGE
PB41, PB42	"ARLINGTON BOULEVARD, WALK SIGN IS ON TO CROSS ARLINGTON BOULEVARD."

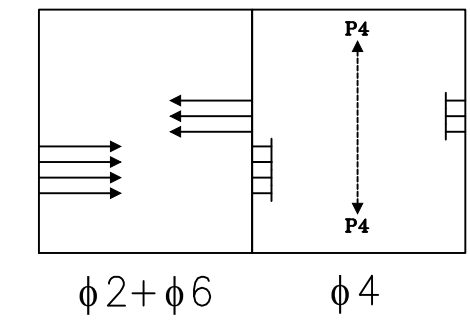
PROPOSED SIGNALS



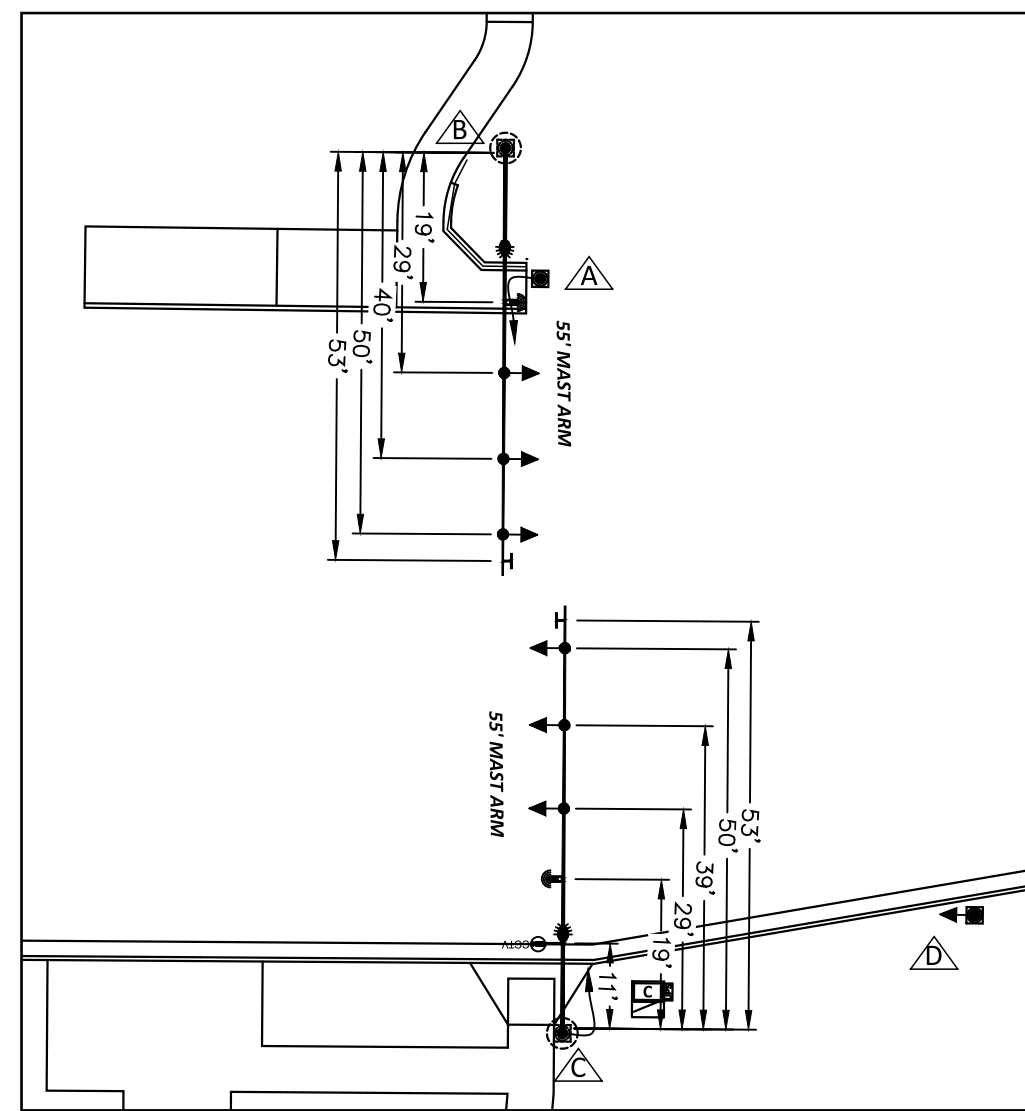
HEADS
21, 22, 23, 24
61, 62, 63

HEADS
P41, P42

PROPOSED PHASING DIAGRAM



**POLE LOCATION DETAIL
(SCALE: 1"=25')**



INITIAL TIMING CHART

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		EB ON ARLINGTON BLVD		NB/SB PED PHASE CROSSING ARLINGTON BLVD		WB ON ARLINGTON BLVD		
PHASE ON		X		X		X		
PHASE OFF	X		X		X		X	X
INTERVAL	PHASE TIMINGS							
MIN GR	5.0					5.0		
PASSAGE	0.0					0.0		
YELLOW	5.6					5.6		
RED	1.0			3.0		1.0		
MAX 1	70.0					70.0		
MAX 2	0.0					0.0		
MIN GAP	0.0					0.0		
TIME BEFORE REDUCTION	0.0					0.0		
REDUCE	0.0					0.0		
PED WALK				7.0				
PED FLUSH DON'T WALK				22.0				
MODE		MAX RECALL		NON-LOCK		MAX RECALL		

COLOR SEQUENCE CHART

PHASE	2	4	6	2+6	FLASH
SIGNAL	R/W	R/W	R/W	R/W	
21, 22, 23, 24	G			G	Y
61, 62, 63			G	G	Y
P41, P42		W*			DARK

NOTE: BLANK SPACES IN THIS CHART REPRESENT A "RED" SIGNAL INDICATION.

*WALK INDICATION IS DISPLAYED WHEN PEDESTRIAN CALL IS SERVICED; WALK INDICATION IS DISPLAYED UNTIL IT IS TIMED OUT; OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED.

CONSTRUCTION NOTES

- INSTALL SIGNAL CONTROLLER CABINET WITH UPS AND CONCRETE STOOP. CABINET SHALL BE ORIENTED TO PROVIDE TECH VIEW OF SIGNAL DISPLAYS.
- INSTALL UNDERGROUND ELECTRIC SERVICE WITH PEDESTAL METERPAN. CONTRACTOR SHALL COORDINATE WITH DOMINION VIRGINIA POWER FOR CONNECTION DETAILS. CONTRACTOR SHALL INSTALL ALL NECESSARY GROUNDING EQUIPMENT IN COMPLIANCE WITH VDOT ROAD AND BRIDGE STANDARDS, WHICH MAY NOT BE SHOWN EXPLICITLY ON PLANS.
- INSTALL NON-ORNAMENTAL MAST ARM SIGNAL POLE WITH 12' LUMINAIRE, PEDESTRIAN, VEHICULAR SIGNAL HEADS, ACCESSIBLE PEDESTRIAN PUSHBUTTON, VEHICLE DETECTION, CCTV CAMERA, AND SIGNS.
- INSTALL NON-ORNAMENTAL MAST ARM SIGNAL POLE WITH 12' LUMINAIRE, PEDESTRIAN, VEHICULAR SIGNAL HEADS, ACCESSIBLE PEDESTRIAN PUSHBUTTON, VEHICLE DETECTION, AND SIGNS.
- INSTALL PEDESTAL POLE WITH VEHICULAR SIGNAL.
- REMOVE EXISTING STRAIN POLE, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, CCTV CAMERA, AND POLE-MOUNTED STREET NAME SIGNS TO BE SALVAGED AND RETURNED TO ARLINGTON COUNTY. CONTRACTOR SHALL COMPLETELY REMOVE AND DISPOSE OF EXISTING POLE FOUNDATION TO 24" BELOW GRADE.
- CONTRACTOR SHALL REMOVE ALL COMMUNICATION EQUIPMENT TO INCLUDE: 12 FIBER PATCH PANEL AND FIBER CABLE, ETHERNET SWITCH, AND JUMPER CABLES FROM EXISTING CONTROLLER CABINET AND RELOCATE TO PROPOSED CONTROLLER CABINET. FIBER TO BE RELOCATED AS SHOWN IN THE CONDUIT AND CABLE RUNS SUMMARY.

LEGEND

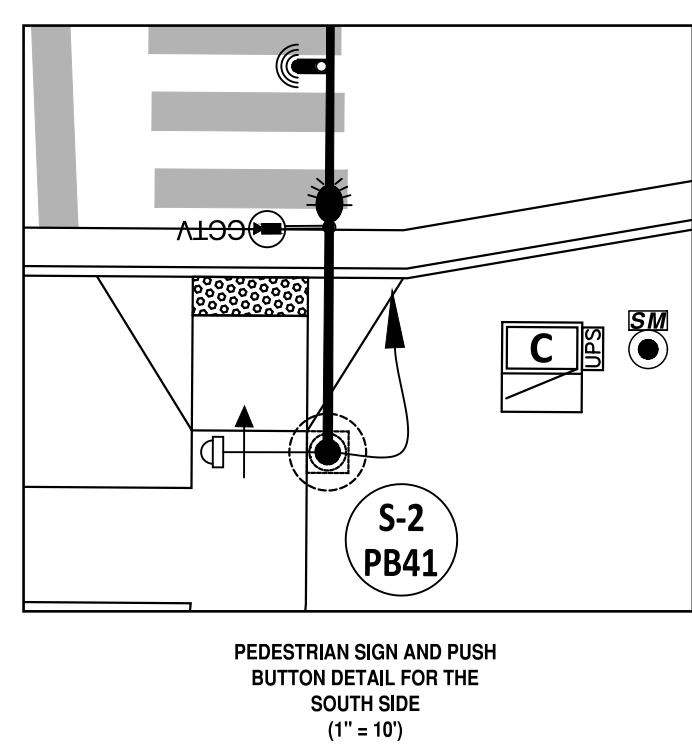
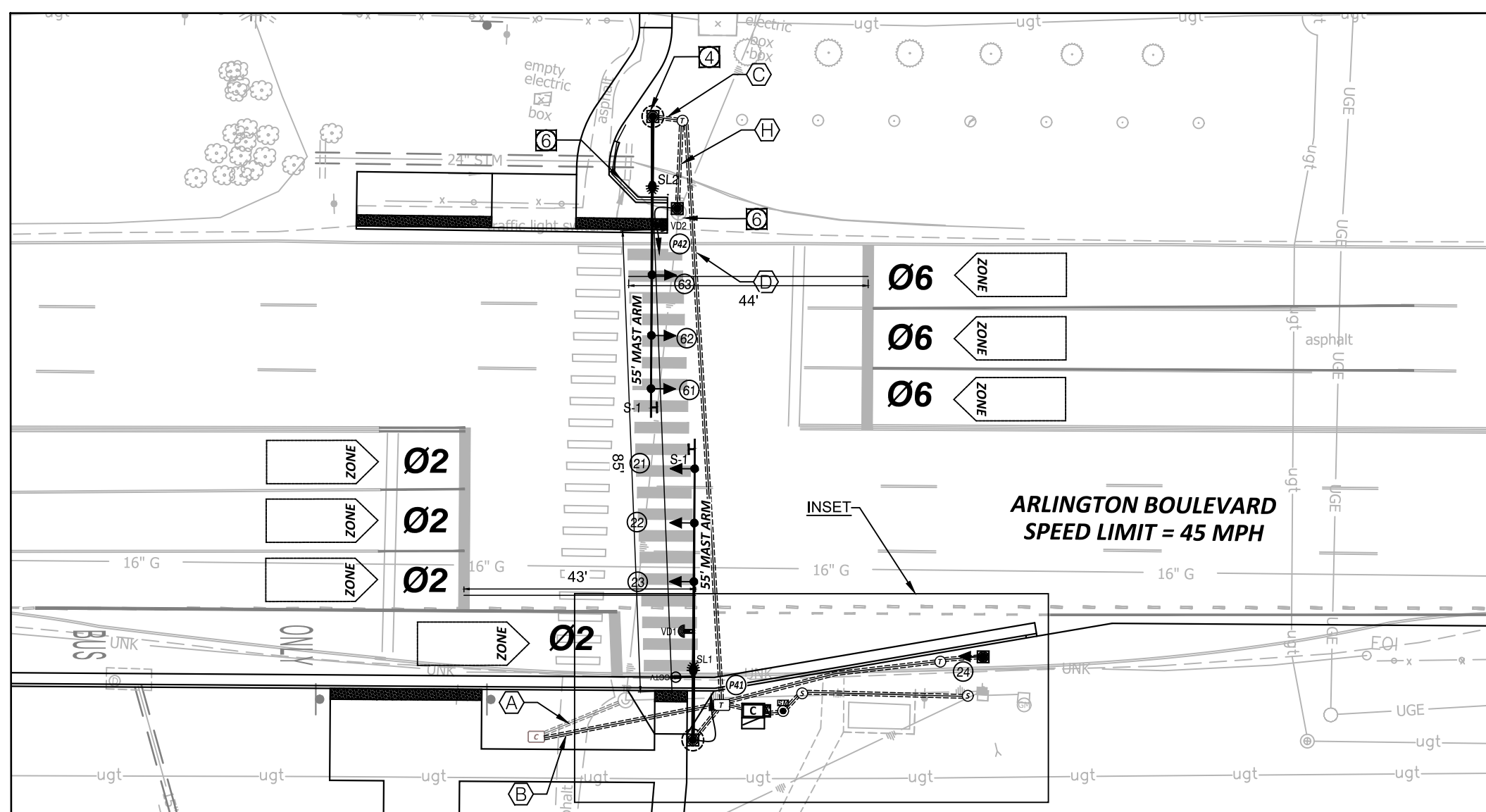
	EXISTING	PROPOSED
Control Cabinet		
Signal Junction Box (61-03)		
Signal Junction Box (61-04)		
Electrical Junction Box (LT-16)		
Comm. Junction Box		
Service Junction Box		
Mast Arm Pole & Foundation		
Pedestrian Pedestal Pole & Foundation		
Carlyle Lighting Pole & Foundation		
Service Meter		
Battery Backup (UPS)		
Vehicle Signal Head (LED)		
Pedestrian Push Button		
FLIR Video Detection		
Emergency Vehicle Preemption		
CCTV Vehicle Camera		
Overhead Light (LED)		
Conduit Run		

CONDUIT & CABLE RUNS

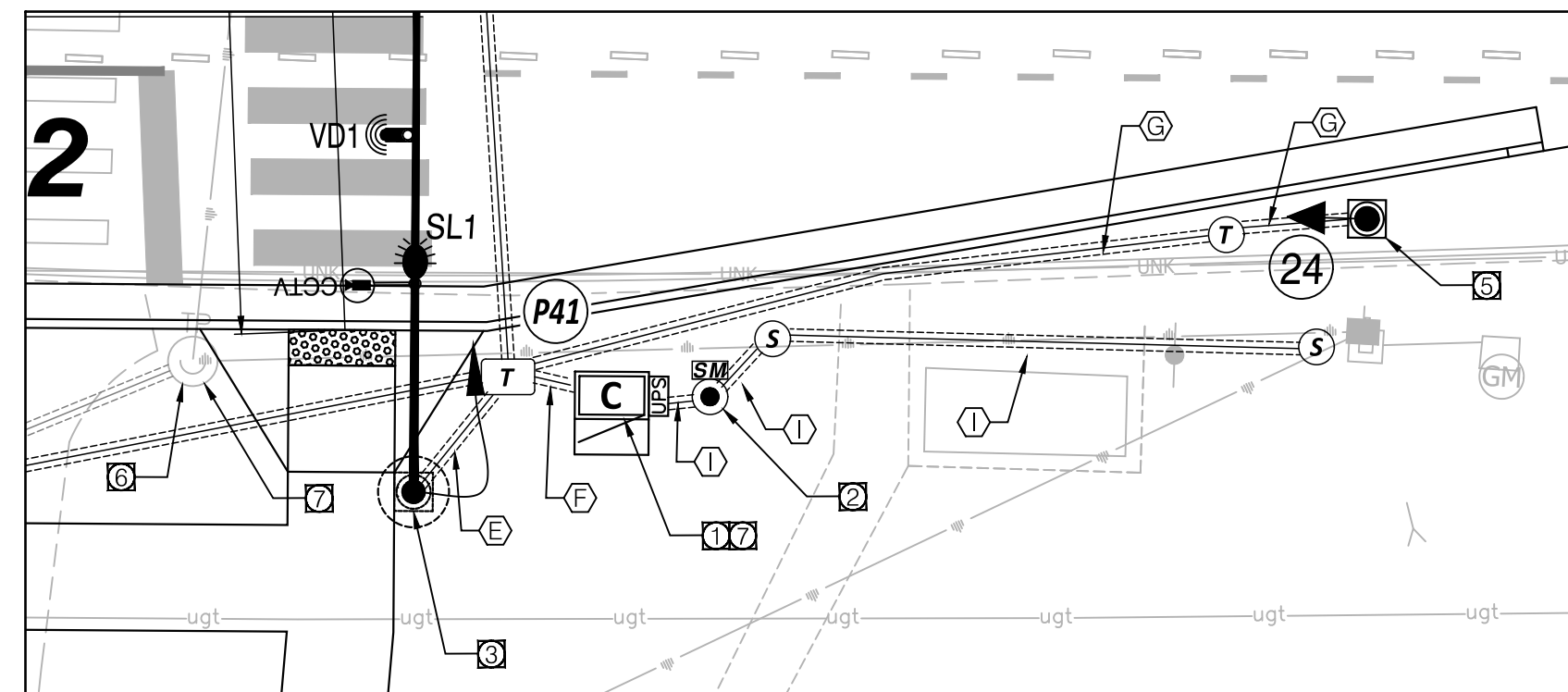
- A 1-2" CONDUIT (EXISTING)
1-12 FIBER CABLE (EXISTING, RELOCATED)
- B 1-2" CONDUIT PVC
1-12 FIBER CABLE (EXISTING, RELOCATED)
1-#6 BARE COPPER GROUNDING WIRE
- C 1-3" CONDUIT PVC
1-14/7c SIGNAL HEADS 61, 62, 63
1-LEAD IN CABLE FOR THERMAL VEHICLE DETECTION
1-#6 BARE COPPER GROUNDING WIRE
- D 1-2" CONDUIT PVC
1-12/2c CABLE FOR LUMINAIRE SL2
1-#6 BARE COPPER GROUNDING WIRE
- E 1-3" CONDUIT (BORED) HDPE
1-14/7c SIGNAL HEADS 61, 62, 63
1-14/7c PEDESTRIAN SIGNAL P42
1-14/3c PEDESTRIAN PUSH BUTTON PB42
1-LEAD IN CABLE FOR THERMAL VEHICLE DETECTION
1-#6 BARE COPPER GROUNDING WIRE
- F 1-2" CONDUIT (BORED) HDPE
1-12/2c CABLE FOR LUMINAIRE SL2
1-#6 BARE COPPER GROUNDING WIRE
- G 1-3" CONDUIT PVC
1-14/7c SIGNAL HEADS 21, 22, 23
1-14/7c PEDESTRIAN SIGNAL P41
1-14/3c PEDESTRIAN PUSH BUTTON PB42
1-LEAD IN CABLE FOR THERMAL VEHICLE DETECTION
1-CCTV LEAD IN CABLE
1-#6 BARE COPPER GROUNDING WIRE
- H 1-2" CONDUIT PVC
1-12/2c CABLE FOR LUMINAIRE SL1, SL2
1-12 FIBER CABLE (EXISTING, RELOCATED)
1-#6 BARE COPPER GROUNDING WIRE
- I 2-2" CONDUITS PVC (SPARE)
2-#6 BARE COPPER GROUNDING WIRE
- J 1-2" CONDUIT PVC
1-14/7c SIGNAL HEAD 24
1-#6 BARE COPPER GROUNDING WIRE
- K 1-2" CONDUIT PVC
1-14/7c PEDESTRIAN SIGNAL P42
1-14/3c PEDESTRIAN PUSH BUTTON PB42
1-#6 BARE COPPER GROUNDING WIRE
- L 1-2" METAL CONDUIT
3-#6 AWG FOR ELECTRICAL SERVICE

CONDUIT AND CABLE LEGEND
HDPE - HIGH DENSITY POLYETHYLENE CONDUIT

PROPOSED
EXISTING
EXISTING, RELOCATED



PEDESTRIAN SIGN AND PUSH
BUTTON DETAIL FOR THE
SOUTH SIDE
(1" = 10')

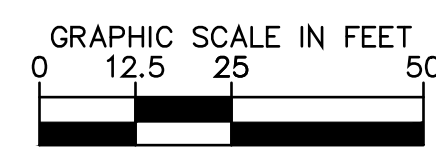


INSET
(SCALE: 1"=10')

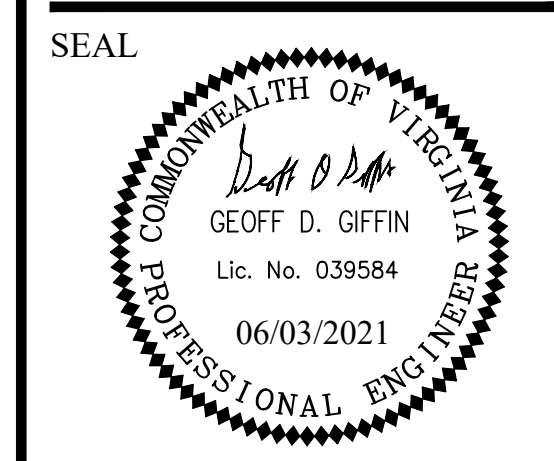
No.	STANDARD		LUM. LED (2)	POLE SIGNAL MOUNTING				STREET NAME SIGN
	TYPE	SIG. M.A.		VEHICLE & PED. HEADS	PED. PUSH BUTTONS	SIGNS	VIDEO DETECTOR PREEMPTION & CCTV	
A	PEDESTAL POLE 12'	-	-	-	P42	PB42	S-2	-
B	MAST ARM POLE	55'	12'	145W	61, 62, 63	-	S-1	VD2
C	MAST ARM POLE	55'	12'	145W	21, 22, 23, P41	PB41	S-1, S-2	CCTV, VD1
D	PEDESTAL POLE 12'	-	-	-	24	-	-	-

POLE LOCATION SCHEDULE					
POLE ID	STATION	OFFSET	POLE HEIGHT	MAST ARM LENGTH	POLE TYPE
A	034-PP-01-N	251+01.27	40.60' RT	-	67-01 (12')
B	034-MA-01-N	251+05.90	57.58' RT	31'	55'
C	034-MA-01-S	250+97.74	57.62' LT	31'	55'
D	034-PP-01-S	250+44.16	41.89' LT	-	67-01 (12')

* CONTRACTOR SHALL REVIEW IF THE PROPOSED LOADING IS GREATER THAN THE ARLINGTON COUNTY STANDARD DESIGN. IF THE LOADING IS GREATER, THEN THE CONTRACTOR SHALL PROVIDE A CUSTOM DESIGN AND PROVIDE ARLINGTON COUNTY WITH STRUCTURAL CALCULATIONS FOR APPROVAL PRIOR TO ORDERING EQUIPMENT.



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Arlington, VA 22201
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APPROVALS DATE
Traffic Signal Engineer: 6/2/2021
Traffic Engineering Manager: 06/02/21
Water, Sewer, Streets Bureau Chief: 06.03.2021
Transportation Director: 06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
TRAFFIC SIGNAL PLAN
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

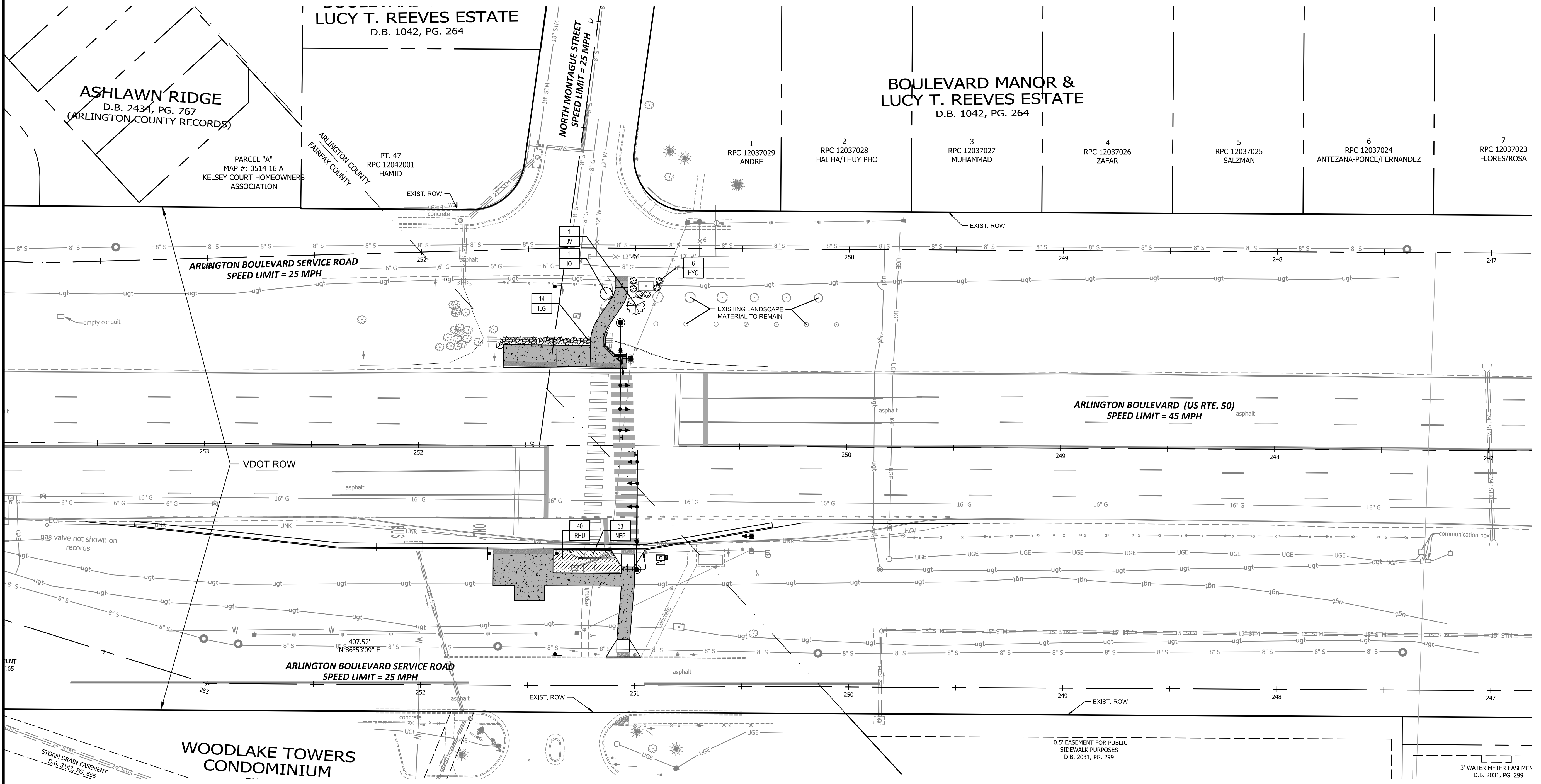
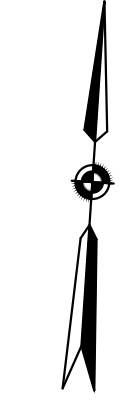
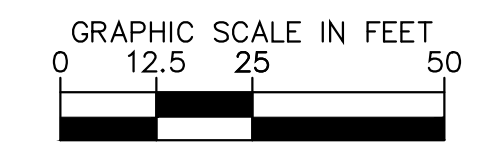
Scale: HOR. 1" = 25' VERT. N/A



Sheet 1000

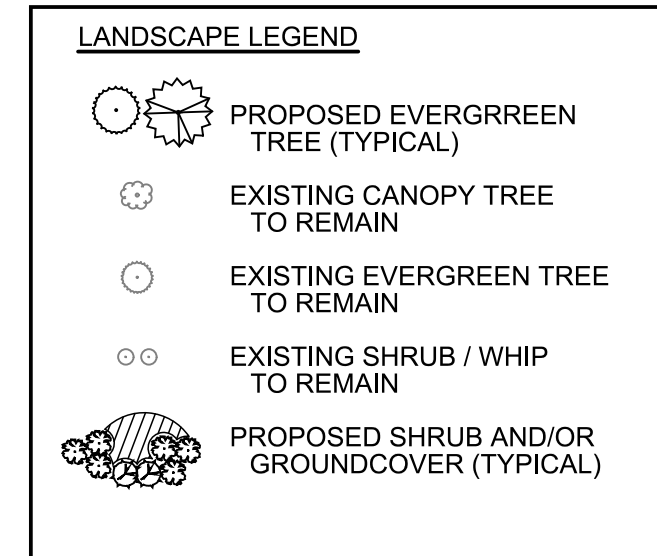
REVISED: MARCH 03, 2020

Filename: 1200 LANDSCAPE PLAN.dwg
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LANDSCAPE SCHEDULE

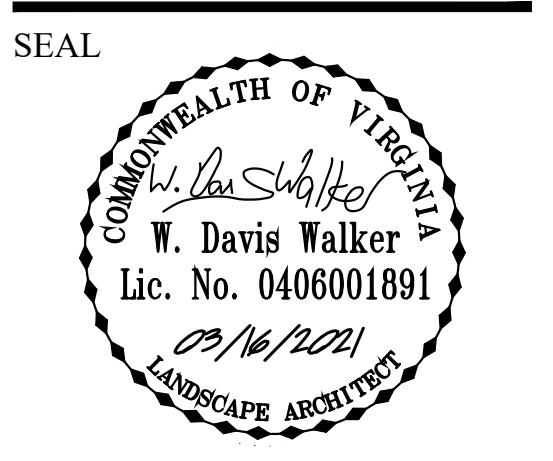
KEY	QTY.	BOTANICAL / COMMON NAME	SIZE	ROOT	COMMENTS
EVERGREEN TREES					
IO	1	<i>Ilex opaca</i> American Holly	5' HT. Min.	B&B	Uniform branching pattern
JV	1	<i>Juniperus virginiana</i> Eastern Red Cedar	6' HT. Min.	B&B	Uniform branching pattern
SHRUBS					
HYD	6	<i>Hydrangrea quercifolia</i> Oakleaf Hydrangea	24" HT. Min.	Cont.	Mature, well rooted
ILG	14	<i>Ilex glabra</i> Inkberry Holly	30" HT. Min.	Cont.	Mature, well rooted
PERENNIALS, GROUNDCOVERS, AND VINES					
NEP	33	<i>Nepeta x faassenii</i> Catmint	1 Qt.	Cont.	18" o.c. Full, dense
RHU	40	<i>Rhus aromatica</i> 'Gro-Low' Gro-Low Sumac	18" HT. Min.	Cont.	30" o.c., Full, dense



- LANDSCAPE NOTES:**
- CONTRACTOR SHALL CALL MISS UTILITY OF VIRGINIA AT 800-552-7001. ALL UTILITIES MUST BE LOCATED PRIOR TO THE START OF CONSTRUCTION.
 - ALL LANDSCAPE MATERIAL SHALL CONFORM TO SECTION 02800 & 328300 OF THE ARLINGTON COUNTY CONSTRUCTION STANDARD SPECIFICATIONS
 - ALL DISTURBED AREAS NOT COVERED BY LANDSCAPING SHALL BE SEEDED OR SODDED IN CONFORMANCE WITH SECTION 02801 OF THE ARLINGTON COUNTY CONSTRUCTION STANDARD SPECIFICATIONS & EROSION AND SEDIMENT CONTROL ORDINANCE (CHAPTER 57 OF THE ARLINGTON COUNTY CODE)
 - SEE SHEET 1101 FOR LANDSCAPE DETAILS
 - ALL LANDSCAPE MATERIAL INSTALLATION AND WARRANTY SHALL BE PER VDOT ROAD AND BRIDGE SPECIFICATIONS.



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APPROVALS

NAME	DATE
[Signature]	6/2/2021
[Signature]	06/02/21
[Signature]	06.03.2021
[Signature]	06/02/2021
[Signature]	06/03/21

REVISIONS

NO.	DESCRIPTION	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
 LANDSCAPE PLAN
 ARLINGTON COUNTY, VIRGINIA

Designed: DW
 Drawn: DW
 Checked: DW
 Miss Utility Transmittal #:

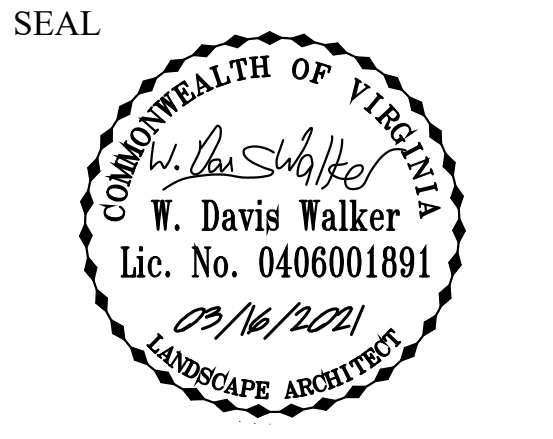
Plotted: June 03, 2021
 Plotted by: Miguel Tyshing

Scale: HOR. 1" = 25' VERT. N/A



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Sheet **1100**



APPROVALS	DATE
<i>[Signature]</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>[Signature]</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>[Signature]</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	06/02/2021
TE&O BUREAU CHIEF	
<i>[Signature]</i>	06/03/21
TRANSPORTATION DIRECTOR	

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
LANDSCAPE DETAILS
ARLINGTON COUNTY, VIRGINIA

Designed: DW
Drawn: DW
Checked: DW
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

Scale: HOR. 1" = 25' VERT. N/A

Kimley-Horn
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11400 Commerce Park Drive, Suite 400
Reston, Virginia 20191
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Sheet **1101**

NOTES

- AT PLANTING PRUNE ONLY CROSSING LIMBS, BROKEN OR DEAD BRANCHES, AND ANY BRANCHES THAT POSE A HAZARD TO PEDESTRIANS PER ANSI STANDARD A300. DO NOT PRUNE INTO OLD WOOD ON EVERGREENS.
- CONTRACTOR SHALL MAXIMIZE EXCAVATED AREA FOR TREE PIT WITHOUT ADVERSELY IMPACTING ADJACENT SITE FEATURES.
- UNLESS OTHERWISE DIRECTED BY ARLINGTON COUNTY URBAN FORESTER, BACKFILL SOIL MIXTURE WILL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE URBAN FORESTER; PEAT MOSS SHALL NOT BE USED).
- CONTRACTOR SHALL LEGALLY REMOVE EXCESS SOIL & DEBRIS FROM SITE.
- TREES PLANTED WITHOUT THE TRUNK FLARE VISIBLE WILL BE REJECTED.
- TREES MAY ONLY BE STAKED IF REQUIRED BY THE COUNTY URBAN FORESTER. REFER TO STAKING DETAILS.

ALL PLANTS MUST BE WATERED TWICE: ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION, PER THE SPECIFICATIONS.

THIS DETAIL SUPERSEDES ALL OTHER TREE PLANTING DETAILS IN ARLINGTON COUNTY.

CENTER TREE IN PIT AND SET TOP OF ROOT BALL 2 IN. ABOVE ADJACENT GRADE. THE TRUNK FLARE SHALL BE VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

MULCH RING (6 FT.) DIAM. MIN.

3'-0"

4 IN. HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL

REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP 2/3 OF ROOT BALL

TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT

UNDISTURBED SUBGRADE

3 IN. MULCH; MULCH MUST BE 6 IN. AWAY FROM TREE TRUNK

ROUGHEN SIDES OF PLANTING HOLE

ENTIRE TREE PIT AREA X ROOTBALL DEPTH SOIL SHALL BE FIRMED IN 8" LIFTS

MIN WIDTH OF TREE PIT 2 TIMES ROOTBALL DIAMETER OR 5'-0", WHICHEVER IS GREATER

TREE PLANTING DETAIL
FOR OPEN PLANTING AREAS FREE OF PAVING OR GRATES
ELEVATION 329300.1 (2016) (02930.1)

NOT TO SCALE

ARLINGTON VIRGINIA DPR

NOTES

- AT PLANTING PRUNE ONLY BROKEN OR DEAD BRANCHES PER ANSI 300 STANDARD.
- PLANTING PIT/TRENCH SHALL BE DUG DEEP ENOUGH TO ALLOW AT LEAST 1/8TH OF ROOT BALL TO SET ABOVE EXISTING GRADE.
- SET PLANTS IN ERECT, STABLE, AND UNIFORM POSITIONS IN THE CENTER OF THE PLANTING PIT. ORIENT BEST FACE OF PLANT TO BE THE MOST VISIBLE.
- UNLESS OTHERWISE DIRECTED BY COUNTY URBAN FORESTER, BACKFILL SOIL MIXTURE WILL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE COUNTY URBAN FORESTER; PEAT MOSS MAY NOT BE USED).
- CONTRACTOR SHALL REMOVE EXCESS SOIL & DEBRIS FROM SITE.
- DO NOT PLACE MULCH IN CONTACT WITH STEM OF SHRUBS

ALL PLANTS MUST BE WATERED TWICE: ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION, PER THE SPECIFICATIONS.

THIS DETAIL SUPERSEDES ALL OTHER SHRUB PLANTING DETAILS IN ARLINGTON COUNTY.

3' MIN.

SHRUB

PARKING LOT

TYPICAL SHRUB PLACEMENT NEAR PARKING LOTS
NOT TO SCALE

REFER TO PLANTING PLAN & PLANT LIST FOR SPACING

PLACE TOP 1/8 OF ROOT BALL ABOVE FINISHED GRADE (TYP.)

3" MULCH OVER ENTIRE SHRUB BED

FINISHED GRADE

BACKFILL SOIL MIXTURE (TYP.) FOR CONTAINER: LOOSEN THE ROOT BALL OF ANY ROOT BOUND PLANTS

UNDISTURBED SUBGRADE OR COMPACTED BACKFILL SOIL MIXTURE

2 X WIDTH OF ROOT BALL (TYP.)

FOR B&B: REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP 2/3 OF ROOT BALL

SHRUB PLANTING
ELEVATION 329300.8 (2016) (02930.8)

NOT TO SCALE

ARLINGTON VIRGINIA DPR

NOTES

- STAKING AND GUYING MAY ONLY BE IMPLEMENTED WHERE SITE CONDITIONS WARRANT THEIR USE. PLANTED TREES WILL BE ASSESSED INDIVIDUALLY BY ARLINGTON COUNTY URBAN FORESTER. STAKING AND GUYING WILL BE INSTALLED ONLY IF REQUIRED BY ARLINGTON COUNTY URBAN FORESTER. CONDITIONS WHERE STAKING AND GUYING MAY BE NECESSARY TO ENSURE STABILITY INCLUDE: WINDY LOCATIONS, STEEP SLOPES, OR WHERE VANDALISM MAY BE A CONCERN.
- STAKES OR GUYS WILL BE INSTALLED USING ACCEPTED ARBORICULTURE PRACTICES. TREES SHALL STAND PLUMB AFTER STAKING.
- INSTALLATION WILL INCLUDE THE REMOVAL OF ALL STAKING AND GUYING MATERIAL ONE YEAR AFTER INSTALLATION. ANY HOLES LEFT BY REMOVING STAKING SHALL BE FILLED WITH APPROVED TOPSOIL/BACKFILL MIXTURE.
- REFER TO DETAILS FOR TREE PLANTING INFORMATION.
- CONTRACTOR SHALL USE GALVANIZED EYESCREW & TURNBUCKLE INSTEAD OF ARBOR TIE ONLY FOR TREES OF SIGNIFICANT SIZE AS DIRECTED BY ARLINGTON COUNTY URBAN FORESTER.

2" WIDE, FLAT, WOVEN POLYPROPYLENE MATERIAL ("ARBOR TIE" OR AN APPROVED EQUAL) SHALL BE LOOPED AROUND THE TREE THROUGH EACH OTHER, TWISTED AND SECURED TO THE STAKE

SURVEYOR'S FLAG ON ARBOR TIE (USE ONLY WHEN STAKING NARROW EVERGREENS THAT EXPOSE TIE)

HARDWOOD STAKE; SET OUTSIDE OF ROOTBALL

SURVEYOR'S FLAG

THIS DETAIL SUPERSEDES ALL OTHER EVERGREEN TREE STAKING DETAILS IN ARLINGTON COUNTY.

HARDWOOD STAKE

ARBOR TIE OR APPROVED EQUAL TREE TRUNK

ROOT BALL

PLANTING PIT

PLAN VIEW
NOT TO SCALE

EVERGREEN TREE STAKING
ELEVATION 329300.7 (2016) (02930.7)

NOT TO SCALE

ARLINGTON VIRGINIA DPR

NOTES

- AT PLANTING PRUNE ONLY BROKEN OR DEAD BRANCHES PER ANSI 300 STANDARD.
- PLANTING PIT/TRENCH SHALL BE DUG DEEP ENOUGH TO ALLOW AT LEAST 1/8TH OF ROOT BALL TO SET ABOVE EXISTING GRADE.
- SET PLANTS IN ERECT, STABLE, AND UNIFORM POSITIONS. ORIENT BEST FACE OF PLANT TO BE THE MOST VISIBLE.
- GROUND COVERS AND PERENNIALS SHALL BE INSTALLED WITH TRIANGULAR SPACING. REFER TO CHART.
- UNLESS OTHERWISE DIRECTED BY PROJECT SPECIFICATIONS OR COUNTY URBAN FORESTER, BACKFILL SOIL MIXTURE WILL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE COUNTY URBAN FORESTER; PEAT MOSS SHALL NOT BE USED).
- CONTRACTOR SHALL REMOVE EXCESS SOIL & DEBRIS FROM SITE.
- DO NOT PLACE MULCH IN CONTACT WITH STEM OF PLANTS.

ALL PLANTS MUST BE WATERED TWICE: ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION, PER THE SPECIFICATIONS.

THIS DETAIL SUPERSEDES ALL OTHER GROUND COVER PLANTING DETAILS IN ARLINGTON COUNTY.

PLANT

EDGE OF BED OR PLANTER

PLANT SPACING "D" O.C.	ROW "A" O.C.	PLANTS PER S.F.
6"	5"	4.00
8"	7"	2.25
9"	8"	1.77
12"	10"	1.00
15"	13"	0.77
18"	16"	0.44

1/2 PLANT SPACING "D"

SEE PLANTING PLAN & SCHEDULE

PLACE TOP 1/8 OF ROOT BALL ABOVE FINISHED GRADE (TYP.)

3" MULCH OVER ENTIRE PLANTING BED

BACKFILL SOIL MIXTURE

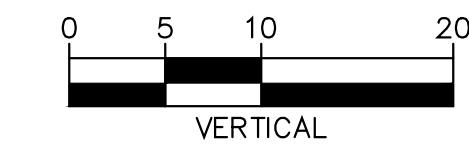
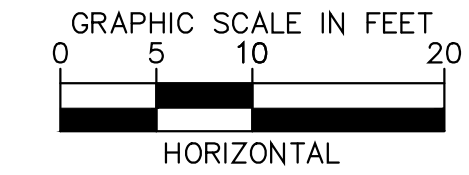
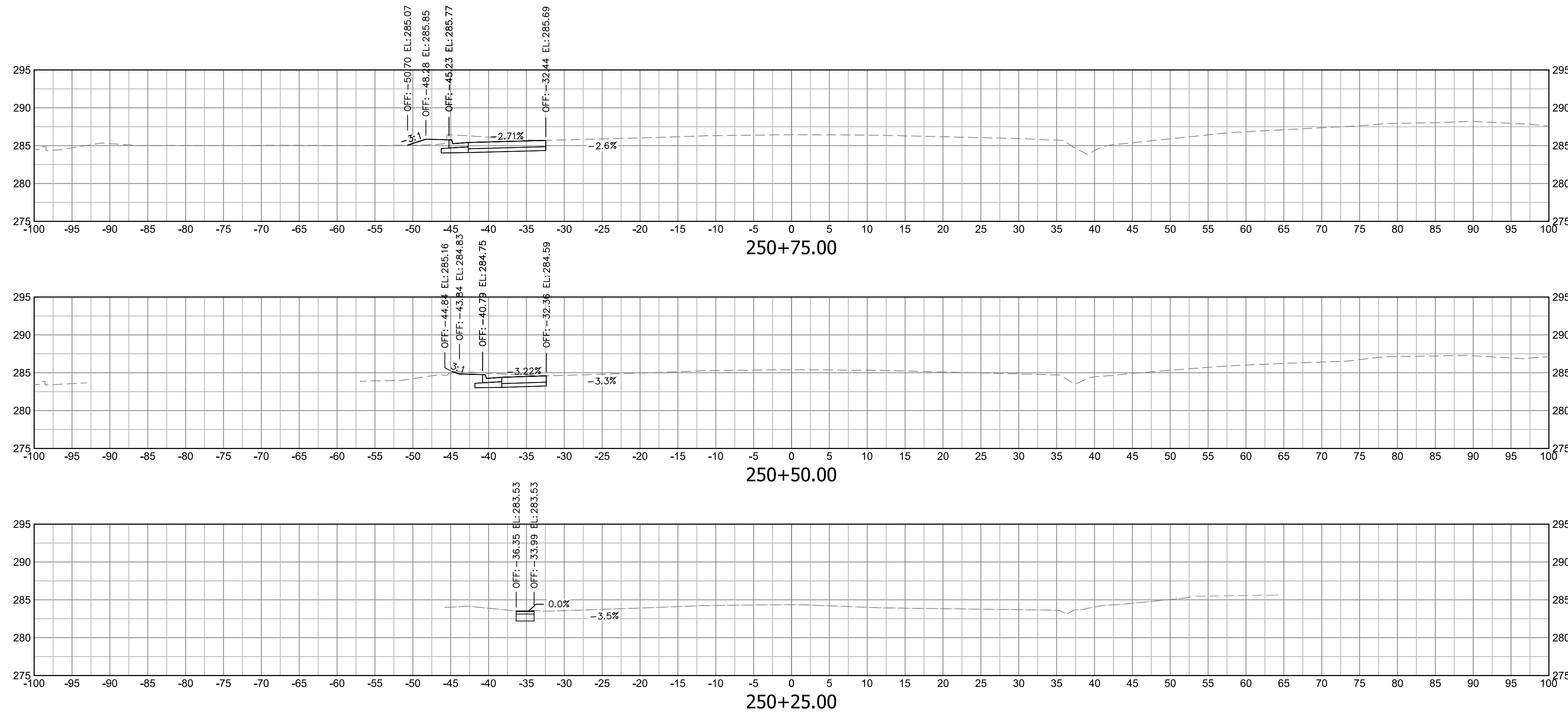
LOOSEN THE ROOT BALL OF ANY ROOT BOUND PLANTS (TYP.)

UNDISTURBED SUBGRADE OR COMPACTED BACKFILL SOIL MIXTURE

GROUND COVERS & PERENNIAL PLANTING
ELEVATION 329300.10 (2016) (02930.10)

NOT TO SCALE

ARLINGTON VIRGINIA DPR

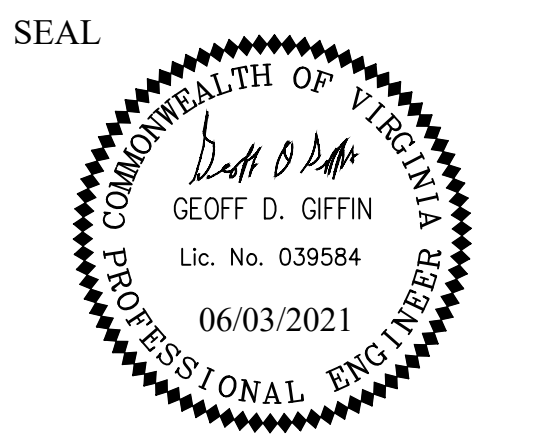


NOTE: EXISTING RIGHT-OF-WAY LINE TO THE NORTH IS OFFSET 110 FEET FROM THE ARLINGTON BOULEVARD CENTERLINE. EXISTING RIGHT-OF-WAY LINE TO THE SOUTH IS OFFSET 125 FEET FROM THE ARLINGTON BOULEVARD CENTERLINE. ALL CROSS SECTIONAL AREA AS SHOWN IS WITHIN THE EXISTING RIGHT-OF-WAY.



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
 ROADWAY CROSS SECTIONS
 ARLINGTON COUNTY, VIRGINIA

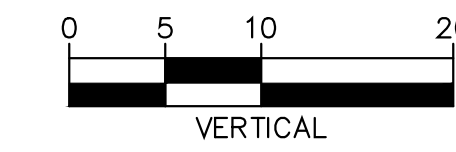
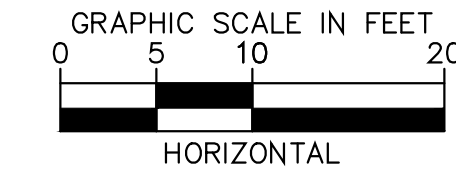
Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: June 03, 2021
 Plotted by: Miguel.Tyshing

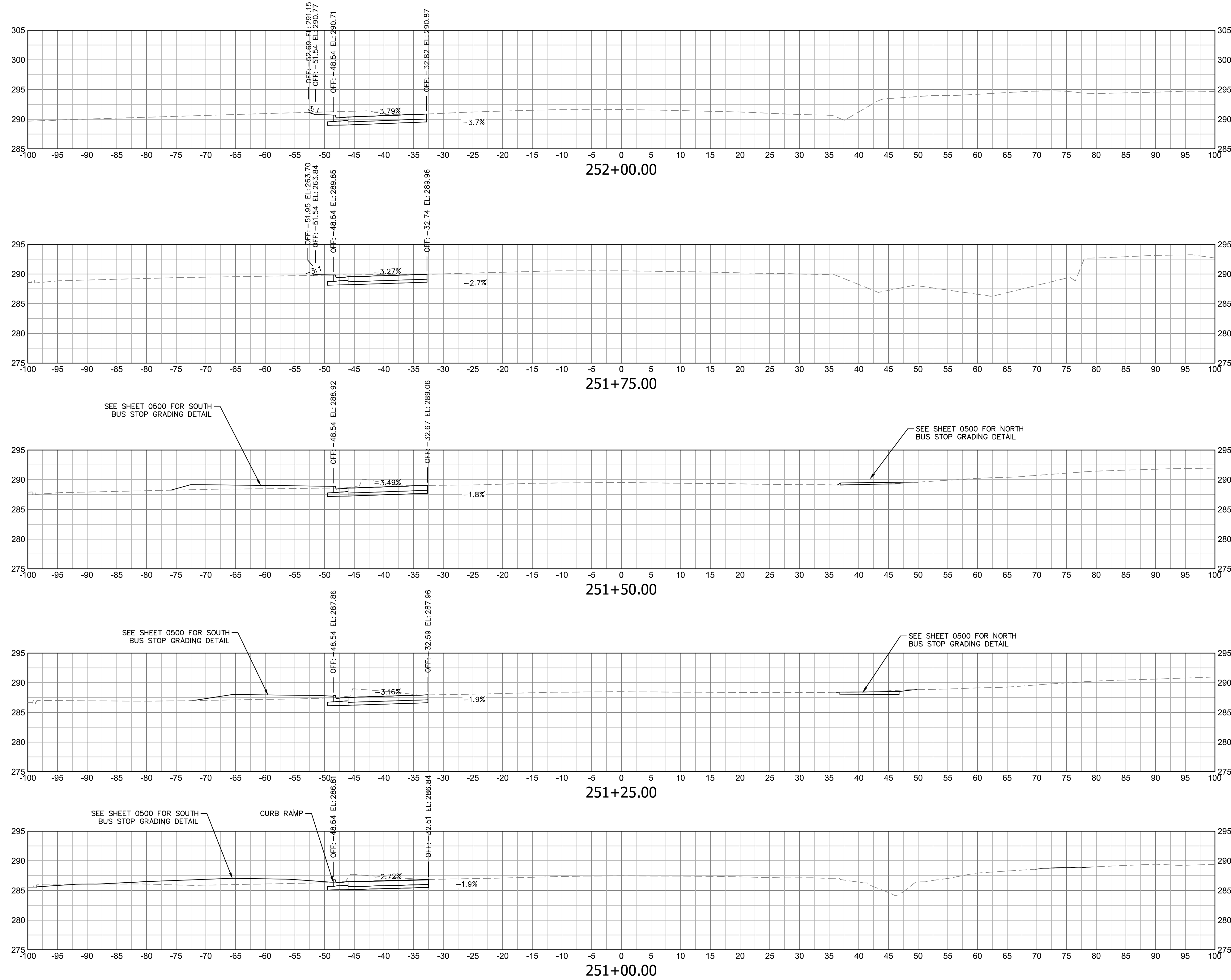
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Sheet **1200**

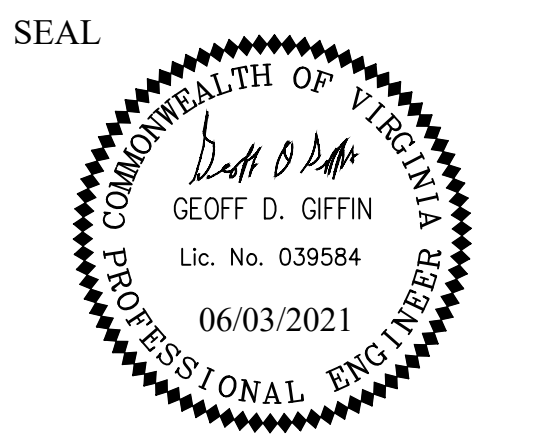


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<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**

ROADWAY CROSS SECTIONS
ARLINGTON COUNTY, VIRGINIA

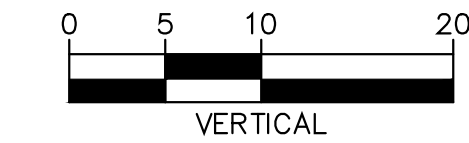
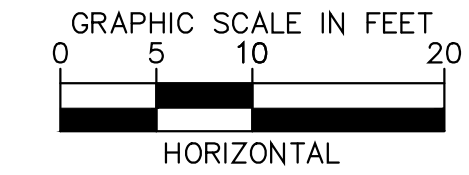
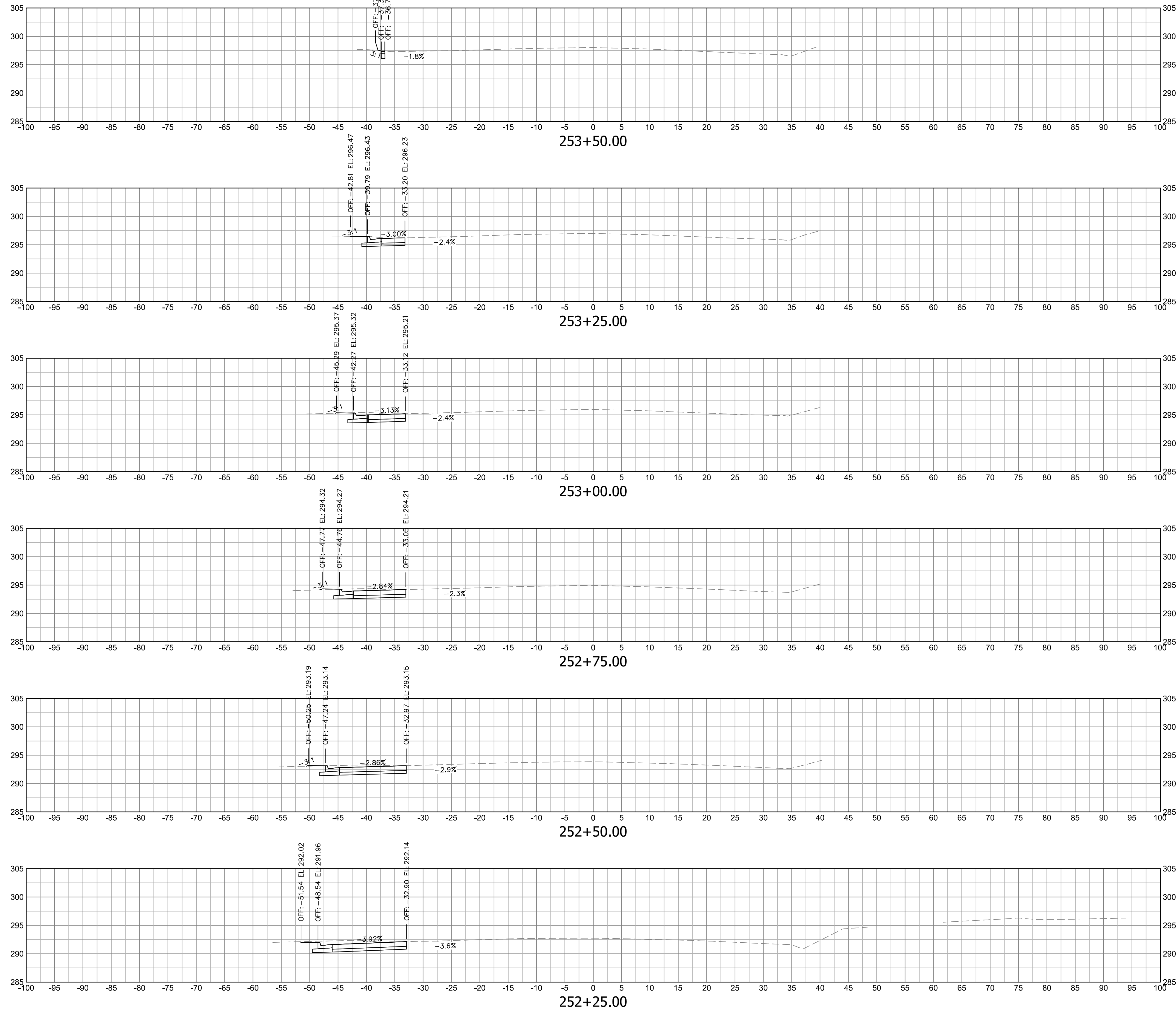
Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

Scale:
HOR. 1" = 25' VERT. 1" = 5'



Sheet 1201

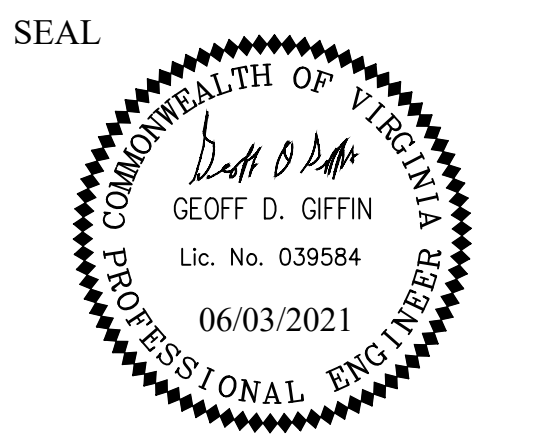


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<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
ROADWAY CROSS SECTIONS
ARLINGTON COUNTY, VIRGINIA

Designed: KF
Drawn: KF
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

Scale: HOR. 1" = 25' VERT. 1" = 5'



Sheet **1202**

TRANSPORTATION MANAGEMENT PLAN AND SEQUENCE OF CONSTRUCTION (TMP/SOC)

TEMPORARY TRAFFIC CONTROL PLAN

1. TMP/SOC TYPE A PROJECT INFORMATION:

- A. IDENTIFY THE PROJECT'S TMP TYPE:
THIS PROJECT'S TMP/SOC PLAN HAS BEEN DESIGNED IN CONFORMANCE WITH A TYPE A TMP/SOC PLAN.
- B. IDENTIFY THE WORK ZONE LOCATION, LENGTH, AND WIDTHS:
THE PROJECT LOCATION IS SHOWN ON THE TITLE SHEET. THE WORK ZONE AREAS HAVE BEEN DELINEATED AS SHOWN ON THE TEMPORARY TRAFFIC CONTROL SHEETS. THE WORK ZONE LENGTHS AND WIDTHS VARY BY LOCATION AS SHOWN ON THE TEMPORARY TRAFFIC CONTROL SHEETS.
- C. NOTE THE HOURS THE CONSTRUCTION AREA WILL BE ACTIVE:
CONSTRUCTION AREA SHALL BE CONSIDERED ACTIVE WHEN ANY IMPACT TO TRAFFIC OCCURS (1ST CONE IN ROAD) CONSTRUCTION AREA HOURS HAVE THE FOLLOWING LIMITATIONS:

DAY TIME	LANE CLOSURES			
	MONDAY TO THURSDAY	FRIDAY	SATURDAY	SUNDAY
9:30AM to 3:00PM	9:30AM to 2:00PM	*NOT ALLOWED	*NOT ALLOWED	*NOT ALLOWED
NIGHT TIME	*NOT ALLOWED	*NOT ALLOWED	*NOT ALLOWED	*NOT ALLOWED

* NIGHT TIME AND WEEKEND WORK SHALL NOT BE ALLOWED UNLESS APPROVED BY VDOT. NO LANE CLOSURES WILL BE ALLOWED FROM NOON ON THE DAY BEFORE A HOLIDAY UNTIL NOON ON THE WORKDAY FOLLOWING THE HOLIDAY. HOLIDAYS INCLUDE ALL STATE AND FEDERAL HOLIDAYS.

DESIGNATION OF PEAK HOUR TIMES:
PEAK HOURS ARE 6:00AM THROUGH 9:00AM AND 3:30PM THROUGH 6:30PM.

- D. THE CONSTRUCTION ZONE HAS BEEN SHOWN ON THE TEMPORARY TRAFFIC CONTROL SHEETS FOR POTENTIAL LOCATIONS FOR CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE WITHIN THE RIGHT OF WAY. THE CONTRACTOR IS TO PROVIDE ADEQUATE PROTECTION FOR CONSTRUCTION ELEMENTS WITHIN THE CLEAR ZONE.
- E. THE TMP/SOC PLAN, DURING CONSTRUCTION, SHALL BE IN ACCORDANCE WITH SECTIONS 512, 701, 703 & 704 OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, DATED 2016; THE VIRGINIA WORK AREA PROTECTION MANUAL DATED AUGUST 2011 AND UPDATED APRIL 2015; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009; THE VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, DATED 2011; AND IIM-LD-241.7 OF THE INSTRUCTIONAL AND INFORMATIONAL MEMORANDA.
- F. NOTE ANY EXISTING ENTRANCES, EXISTING INTERSECTIONS, OR EXISTING PEDESTRIAN ACCESS POINTS THAT WILL BE AFFECTED BY THE CONSTRUCTION AREA OR BY THE TRAFFIC CONTROL DEVICES:

EXISTING ENTRANCES:
THERE ARE NO EXISTING ENTRANCES WITHIN THE PROJECT LIMITS.

EXISTING INTERSECTIONS:
THE ARLINGTON BOULEVARD (ROUTE 50) AT N. MONTAGUE STREET INTERSECTION IS AT APPROXIMATE ARLINGTON BOULEVARD STATION 261+00. ALL EXISTING INTERSECTIONS ARE TO REMAIN OPEN AND FUNCTIONAL DURING CONSTRUCTION.

EXISTING PEDESTRIAN ACCESS POINTS:
THERE ARE FOUR (4) EXISTING PEDESTRIAN ACCESS POINTS WITHIN THE PROJECT LIMITS. THESE INCLUDE TWO (2) ACCESS POINTS NORTH OF ARLINGTON BOULEVARD AND TWO (2) ACCESS POINTS SOUTH OF ARLINGTON BOULEVARD. PEDESTRIANS ARE TO BE DIVERTED AWAY FROM THE CONSTRUCTION ZONE. SEE CONSTRUCTION NARRATIVE FOR DETAILS.

EXISTING BUS STOPS:
THERE ARE TWO EXISTING BUS STOPS WITHIN THE PROJECT LIMITS LOCATED ALONG ARLINGTON BOULEVARD, ONE ON THE NORTH SIDE OF THE INTERSECTION AND ONE ON THE SOUTH SIDE OF THE INTERSECTION. THE COUNTY WILL COORDINATE WITH TRANSIT BUREAU FOR WORK THAT WILL AFFECT TRANSIT STOPS. TRANSIT STOP ACCESS SHALL BE MAINTAINED FOR ALL OPERATIONAL HOURS. THE CONTRACTOR SHALL PRESERVE ALL BUS STOPS, INCLUDING MAINTAINING ADEQUATE ACCESS THROUGH AND ADJACENT TO THE CONSTRUCTION FOR BUSES AND THEIR PASSENGERS. THE CONTRACTOR SHALL NOT CLOSE, RELOCATE, OR OTHERWISE MODIFY A BUS STOP WITHOUT PRIOR REQUEST OF THE PROJECT OFFICER. TYPICALLY ANY RELOCATION OR CLOSURE OF A BUS STOP WILL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR AT 703-228-3049. ALL TEMPORARY AND FINAL BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.

- G. IDENTIFY THE MAJOR TYPES OF TRAVELERS:
THE TRAFFIC ON THE ROADWAY CONSISTS PRIMARILY OF COMMUTER TRAFFIC WITH TRANSIT BUSES, BIKES, AND PEDESTRIANS. THE SURROUNDING AREA IS MOSTLY RESIDENTIAL WITH BUS STOPS WITHIN THE PROJECT AREA.
- H. THE CONTRACTOR SHALL:

DESIGNATE A PERSON ASSIGNED TO THE PROJECT WHO WILL HAVE THE PRIMARY RESPONSIBILITY, WITH SUFFICIENT AUTHORITY, FOR IMPLEMENTING THE TMP/SOC AND OTHER SAFETY AND MOBILITY ASPECTS OF THE PERMIT WORK. THIS PERSON SHALL COORDINATE WITH THE ARLINGTON COUNTY CONSTRUCTION INSPECTOR FOR THE DURATION OF CONSTRUCTION.

ENSURE THAT PERSONNEL ASSIGNED TO THE PROJECT ARE TRAINED IN TRAFFIC CONTROL TO A LEVEL COMMENSURATE WITH THEIR RESPONSIBILITIES IN ACCORDANCE WITH VDOT'S WORK ZONE TRAFFIC CONTROL TRAINING GUIDELINES.

INFORM THE ENGINEER OF ANY WORK REQUIRING LANE SHIFTS, LANE CLOSURES, AND/OR PHASE CHANGES A MINIMUM OF TWO WORKING DAYS PRIOR TO IMPLEMENTING THIS ACTIVITY.

PERFORM REVIEWS OF THE CONSTRUCTION AREA TO ENSURE COMPLIANCE WITH CONTRACT DOCUMENTS AT REGULARLY SCHEDULED INTERVALS AT THE DIRECTION OF THE ENGINEER. CONTRACTOR SHALL MAINTAIN AN APPROVED COPY OF THE TEMPORARY TRAFFIC CONTROL PLAN AT THE WORK SITE AT ALL TIMES.

COORDINATE WITH ARLINGTON COUNTY POLICE DEPARTMENT AND ARLINGTON COUNTY COUNTY FIRE/RESCUE DEPARTMENT FOR ANY LANE CLOSURES AND ANY DETOURS OF ANY NATURE.

SCHEDULE ALL PHASES OF CONSTRUCTION IN SUCH A MANNER THAT WATER, SANITARY SEWER, CABLE, FIBER CABLE/OPTIC CABLE, ANY OVERHANGING UTILITIES, AND ANY UNDERGROUND UTILITIES SERVICES WILL NOT BE INTERRUPTED.

- 2. THIS TMP/SOC PLAN IS INTENDED AS A GUIDE. IT IS NOT TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH PHASE, BUT ONLY TO SHOW THE GENERAL HANDLING OF EXISTING TRAFFIC. IF THE CONTRACTOR TO DEVIATE FROM THE APPROVED TMP, A NEW OR REVISED TMP MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 3. THE CONTRACTOR SHALL MAINTAIN AT LEAST 1 TRAVEL LANE ON THE SIDE ROADS AND AT LEAST 2 TRAVEL LANES IN EACH DIRECTION ON ROUTE 50 DURING CONSTRUCTION. THE TRAVEL LANES SHALL BE A MINIMUM OF 11 FEET WIDE, UNLESS APPROVED BY THE ENGINEER.
- 4. ALL AREAS EXCAVATED BELOW THE EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE AT THE CONCLUSION OF EACH WORKDAY, SHALL BE BACKFILLED TO FORM AN APPROXIMATE 6:1 WEDGE AGAINST THE EXISTING PAVEMENT OR NEWLY CONSTRUCTED PAVEMENT SURFACE FOR THE SAFETY AND PROTECTION OF VEHICULAR TRAFFIC.

- 5. EACH PHASE OF CONSTRUCTION SHALL BE COMPLETED TO THE INSTALLATION OF INTERMEDIATE COURSE ASPHALT PRIOR TO THE START OF THE NEXT PHASE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 6. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL TEMPORARY MEASURES NECESSARY TO FACILITATE PROPER, POSITIVE DRAINAGE FOR THE DURATION OF CONSTRUCTION. THE COST SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.
- 7. UNLESS SPECIFIED ON THE PLANS, ALL EXISTING TURN LANES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- 8. WHERE GROUP 2 CHANNELIZING DEVICES ARE USED TO SEPARATE THE CONSTRUCTION AREA AND TRAFFIC, A MINIMUM CLEAR ZONE AREA AS DEFINED IN THE VIRGINIA WORK AREA PROTECTION MANUAL (VWAPM) IS TO BE MAINTAINED.
- 9. THE CONTRACTOR IS TO COORDINATE WITH ARLINGTON COUNTY FOR LOCATION(S) OF THE CONSTRUCTION STAGING AREA. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AS NECESSARY.
- 10. IMPLEMENTING THE TRANSPORTATION MANAGEMENT PLAN
DURING THE FIRST DAY OF THE NEW WORK ZONE TRAFFIC PATTERN, THE PROJECT CONSTRUCTION MANAGER AND PROJECT CONSTRUCTION INSPECTOR SHALL INSPECT THE WORK ZONE TO ENSURE COMPLIANCE WITH THE TMP. ON THE THIRD TO FIFTH DAY OF IMPLEMENTATION OF THE TMP'S NEW WORK ZONE TRAFFIC PATTERN, THE CONSTRUCTION INSPECTOR SHALL CONDUCT AN ON-SITE REVIEW OF THE WORK ZONE'S PERFORMANCE IN COORDINATION WITH VDOT AND RECOMMEND TO THE CONTRACTOR ANY REQUIRED CHANGES TO THE TMP TO ENHANCE THE WORK ZONE'S SAFETY AND MOBILITY. ALL SUCH CHANGES SHALL BE DOCUMENTED. AN ON-SITE REVIEW OF THE PROJECT'S WORK ZONE TRAFFIC CONTROL BY THE COUNTY'S CONSTRUCTION INSPECTOR AND THE CONTRACTOR SHALL BE CONDUCTED (WITH COORDINATION FROM VDOT) WITHIN 48 HOURS OF ANY FATAL ACCIDENT/CRASH WITHIN THE WORK ZONE.
- 11. EVALUATION OF THE TRANSPORTATION MANAGEMENT PLAN
A PERFORMANCE ASSESSMENT OF THE TMP INCLUDING AREA-WIDE IMPACTS ON ADJACENT ROADWAYS SHALL BE PERFORMED BY ARLINGTON COUNTY WITH COORDINATION FROM THE ENGINEER DURING CONSTRUCTION. AS CIRCUMSTANCES DICTATE, A REVIEW OF THE OVERALL EFFECTIVENESS OF THE PROJECT'S TMP SHALL BE COMPLETED DURING THE POST CONSTRUCTION MEETING AND INCLUDED WITH THE POST CONSTRUCTION REPORT. A COPY OF THE SPECIFIC INFORMATION ON THE EFFECTIVENESS OF THE TMP WILL BE FORWARDED TO ARLINGTON COUNTY FOR REVIEW. A COPY OF THE TMP INTERIM/POST CONSTRUCTION REPORT FORM CAN BE OBTAINED FROM ARLINGTON COUNTY.
- 12. PUBLIC COMMUNICATIONS PLAN
THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - A. NOTIFYING THE PROJECT MANAGER AND CONSTRUCTION INSPECTOR TWO WEEKS IN ADVANCE OF ANY SCHEDULED WORK PLANS AND TRAFFIC DELAYS.
 - B. NOTIFYING THE PROJECT MANAGER, CONSTRUCTION INSPECTOR, AND CORRESPONDING ENGINEER OF ANY UNSCHEDULED TRAFFIC DELAYS
- 14. TRANSPORTATION OPERATIONS
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND PROVIDING THE FOLLOWING:
 - A. NOTIFY THE REGIONAL TRANSPORTATION OPERATIONS CENTER (TOC) ONE WEEK IN ADVANCE TO PLACE LANE CLOSURE INFORMATION ON THE 511 SYSTEM AND VA-TRAFFIC.
 - B. POST A LIST OF LOCAL EMERGENCY RESPONSE AGENCIES INSIDE THE PROJECT'S CONSTRUCTION OFFICE/TRAILER.
 - C. IMMEDIATELY REPORT ANY TRAFFIC INCIDENTS THAT MAY OCCUR IN THE WORK ZONE.
 - D. NOTIFY THE PROJECT CONSTRUCTION INSPECTOR AND CORRESPONDING ENGINEER OF ANY NEW INCIDENTS AND EXPECTED TRAFFIC DELAYS.
 - E. WITHIN 24 HOURS OF ANY INCIDENTS WITHIN THE CONSTRUCTION WORK ZONE, A REVIEW OF THE TRAFFIC CONTROLS SHALL BE COMPLETED AND NECESSARY ADJUSTMENTS MADE TO REDUCE THE FREQUENCY AND SEVERITY OF ANY FUTURE INCIDENTS.

CONTACT NUMBERS:

COUNTY PROJECT MANAGER	ANUP KAFLE (703) 228-7050
COUNTY CONSTRUCTION MANAGER	TBD
COUNTY CONSTRUCTION INSPECTOR	TBD
EMERGENCY CALL	911
NON-EMERGENCY NUMBERS:	
ARLINGTON COUNTY POLICE	(703) 558-2222
ARLINGTON COUNTY FIRE & RESCUE	(703) 558-3362

GENERAL CONSTRUCTION NOTES AND SEQUENCE OF CONSTRUCTION

- 1. THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS DURING BOTH WORK AND NON-WORK HOURS TO ENSURE THE PROTECTION AND SAFETY OF THE ADJACENT PROPERTY OWNERS, PEDESTRIANS, VEHICULAR TRAFFIC, AND THE GENERAL PUBLIC FROM ANY CONSTRUCTION RELATED ACTIVITY, CONSTRUCTION EQUIPMENT, AND THE CONSTRUCTION SITE ITSELF.
- 2. TEMPORARY CLOSURES OF PEDESTRIAN ACCESS SHALL BE LIMITED AND ADMINISTERED AS DIRECTED BY THE ENGINEER.
- 3. NO LANE CLOSURES WILL BE ALLOWED OUTSIDE OF THE CONSTRUCTION AREA HOURS, UNLESS APPROVED BY THE ENGINEER.
- 4. THE BUFFER SPACES SHOWN ON TEMPORARY TRAFFIC CONTROL SHEETS ARE SHOWN TO THE MAXIMUM LENGTH POSSIBLE BASED ON THE EXISTING INTERSECTIONS. THE CONTRACTOR SHALL KEEP THE BUFFER SPACE CLEAR OF VEHICLES AND MATERIALS AND PROVIDE CHANNELIZING DEVICES SPACED AT 20' FOR THE TAPER AND 40' FOR THE BUFFER AND CONSTRUCTION ZONE TO PROVIDE BETTER WORK ZONE DELINEATION.
- 5. CONTRACTOR SHALL COORDINATE ALL BUS STOP MODIFICATIONS WITH ARLINGTON COUNTY BUS STOP COORDINATOR BEFORE CONSTRUCTION.

UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE FOLLOWING SEQUENCE OF CONSTRUCTION:

PHASE 1:

- 1. INSTALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES IN ACCORDANCE WITH TTC-53.0.
- 2. CONSTRUCT PROPOSED IMPROVEMENTS WITHIN THE CONSTRUCTION ZONE SHOWN ON SHEET 1302 IN ACCORDANCE WITH TTC-5.2, TTC-16.2, AND TTC-23.2
- 3. CONSTRUCTION SHOULD BE PHASED TO ALLOW ADEQUATE PEDESTRIAN ACCESS IN ACCORDANCE WITH TTC-35.0 AND TTC-36.2. AN ADEQUATE PEDESTRIAN DIVERSION SHOULD BE IMPLEMENTED WHERE A DETOUR IS NOT FEASIBLE AT THE CONCLUSION OF WORK EACH DAY.
- 4. CONSTRUCTION ACTIVITIES IN THIS PHASE INCLUDE: DEMOLITION, GRADING, CURB, SIDEWALK, CURB RAMP, HANDRAIL, BUS PLATFORM, AND SIGNAL CONSTRUCTION.

PHASE 2:

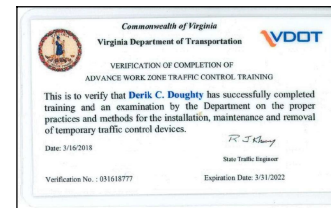
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- 2. CONSTRUCT PROPOSED IMPROVEMENTS WITHIN THE CONSTRUCTION ZONE SHOWN ON SHEET 1302 IN ACCORDANCE WITH TTC-16.2 AND TTC-23.2.
- 3. CONSTRUCTION SHOULD BE PHASED TO ALLOW ADEQUATE PEDESTRIAN ACCESS IN ACCORDANCE WITH TTC-35.0 AND TTC-36.2. AN ADEQUATE PEDESTRIAN DIVERSION SHOULD BE IMPLEMENTED WHERE A DETOUR IS NOT FEASIBLE AT THE CONCLUSION OF WORK EACH DAY.
- 4. CONSTRUCTION ACTIVITIES IN THIS PHASE INCLUDE: DEMOLITION, GRADING, DRAINAGE, CURB AND GUTTER, SIDEWALK, CURB RAMP, HANDRAIL, BUS PLATFORM, AND SIGNAL CONSTRUCTION.
- 5. THE PROPOSED SIGNAL SHALL BE FULLY CONSTRUCTED AND IN OPERATION BEFORE THE NEXT PHASE BEGINS.

PHASE 3 (NOT SHOWN):

- 1. MILL AND OVERLAY AREAS SHOWN ON THE PLANS IN ACCORDANCE WITH TTC-57.1
- 2. INSTALL ALL PERMANENT PAVEMENT MARKINGS AND SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN.
- 3. REMOVE ALL TRAFFIC CONTROL SIGNS AND DEVICES.

NOTE:

THE DESIGNER, DERIK DOUGHTY, P.E. HAS COMPLETED THE VDOT ADVANCED WORK ZONE TRAINING ON 3/16/2018. VERIFICATION NUMBER 031618777. EXPIRATION DATE 3/31/2022.



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: _____

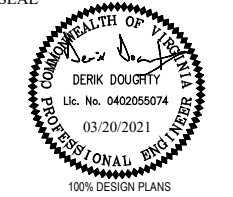
REVIEWED
By Brian E. Fry at 2:20 pm, Mar 30, 2021



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606

SEAL



APPROVALS DATE

<i>Derik Doughty</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>Derik Doughty</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>John M. Leach</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>John M. Leach</i>	06/02/2021
TELECOM BUREAU CHIEF	
<i>Denise M. Leach</i>	06/03/21
TRANSPORTATION DIRECTOR	

REVISIONS DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
 TRANSPORTATION MANAGEMENT PLAN
 ARLINGTON COUNTY, VIRGINIA

Designed: NM
 Drawn: NM
 Checked: DD
 Miss Utility Transmittal #:

Plotted: March 20, 2021
 Plotted by: Nicole.McVey

Scale: HOR. N/A VERT. N/A

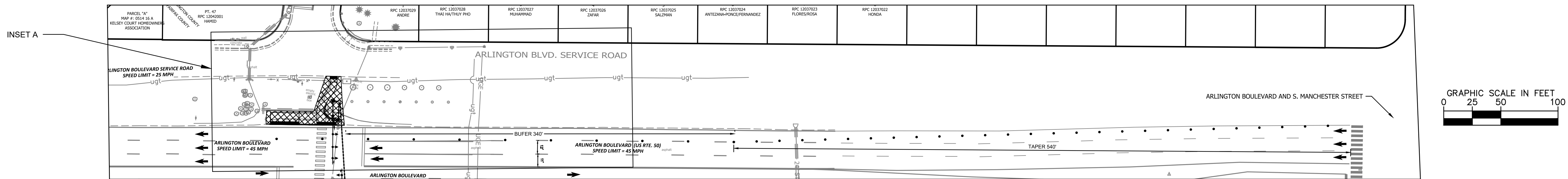


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 11400 Commerce Park Drive, Suite 400
 Reston, Virginia 20191
 Phone: 703-674-1300
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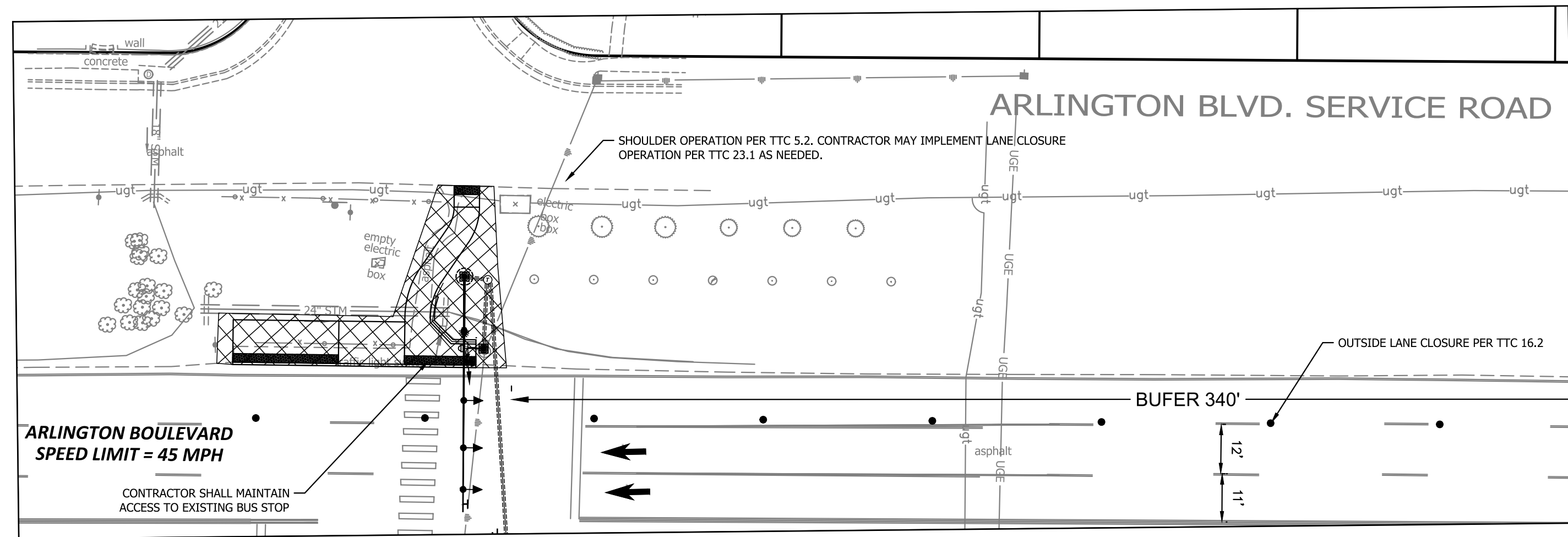
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**MAINTENANCE OF TRAFFIC PHASE 1
NORTH BUS STOP SITE WORK AND TRAFFIC SIGNAL
ESTIMATED DURATION 10 DAYS**



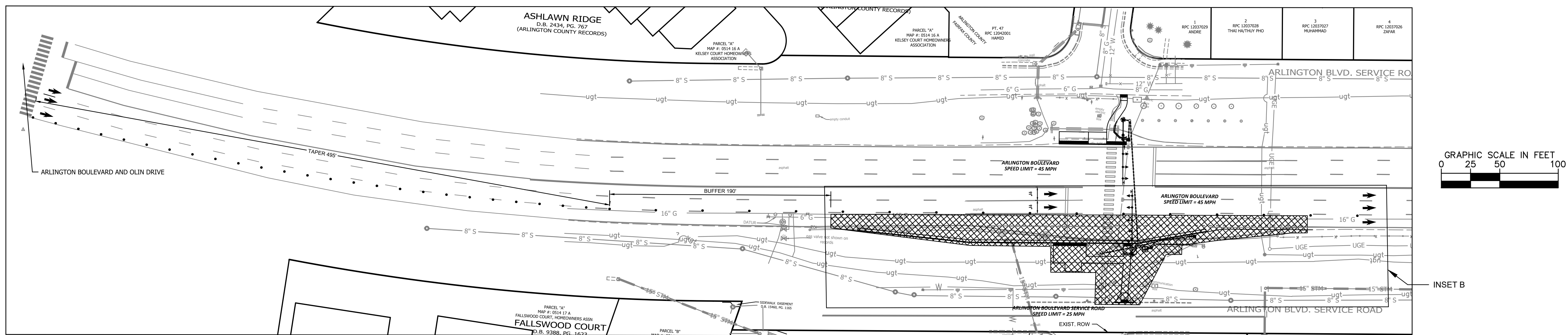
MAINTENANCE OF TRAFFIC PHASE 1 - INSET A



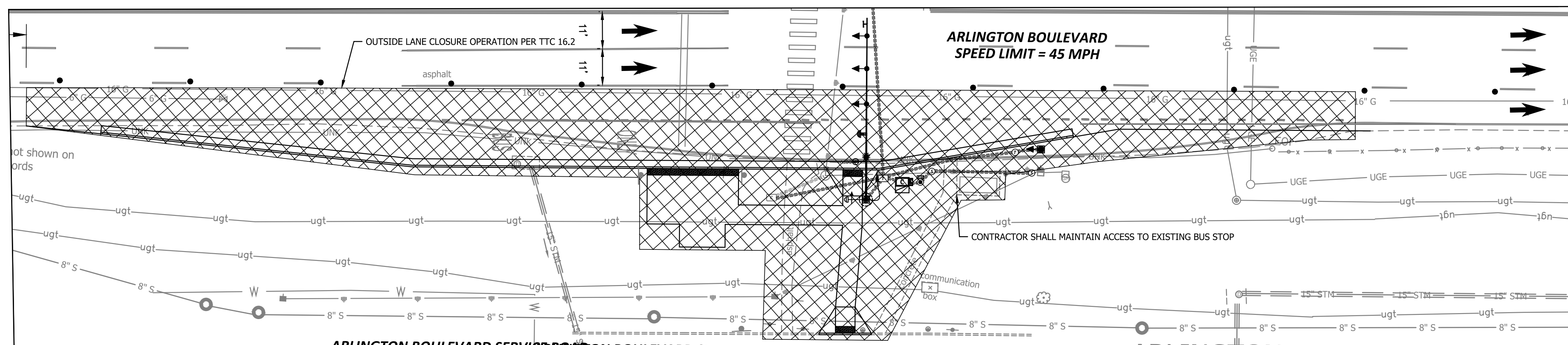
MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST VERSION OF THE VIRGINIA WORK AREA PROTECTION MANUAL, VDOT'S GUIDELINES FOR TEMPORARY TRAFFIC CONTROL, ARLINGTON COUNTY STANDARDS, THE TRAFFIC CONTROL PLANS INCLUDED IN THE CONSTRUCTION DRAWINGS, THIS MAINTENANCE OF TRAFFIC PLAN, AND/OR AS DIRECTED BY THE ARLINGTON COUNTY TRAFFIC ENGINEER.
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.
3. 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 MINIMUM LANE WIDTH SHOULD BE 11 FEET.
4. THE CONTRACTOR SHALL MINIMIZE THE DURATION OF ANY BLOCKAGE TO PRIVATE ENTRANCES AND DRIVEWAYS. THE AFFECTED PROPERTY OWNER SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE OF SUCH ACTIVITIES, AND THE CONTRACTOR SHALL MAKE ALL PRIVATE ENTRANCES AND DRIVEWAYS ACCESSIBLE AT THE CONCLUSION OF EACH WORKDAY.
5. ANY EXCAVATIONS WHICH ARE SPECIFICALLY APPROVED BY THE ENGINEER 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 ENGINEER.
6. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE RETROREFLECTIVE OR ILLUMINATED DURING NIGHT TIME HOURS.
7. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, INCLUDING ACCESS TO BUS STOP SHELTERS.
8. PEDESTRIAN TRAFFIC SHALL BE SEPARATED FROM WORK ZONES WITH APPROPRIATE MEASURES IN ACCORDANCE WITH THE MUTCD.
9. ADEQUATE PROVISIONS FOR PERSONS WITH DISABILITIES SHALL BE PROVIDED AT ALL TIMES PER ADA REQUIREMENTS.
10. WHEN NECESSARY, PEDESTRIANS SHALL BE APPROPRIATELY DIRECTED WITH ADVANCED WARNING SIGNS, PLACED AT INTERSECTIONS, TO CROSS TO THE OPPOSITE SIDE OF THE ROADWAY IN ORDER TO PREVENT CONFLICT WITH MIDBLOCK WORK SITES.
11. PEDESTRIANS SHALL NOT BE LED INTO CONFLICT WITH WORK SITE EQUIPMENT, OPERATIONS, AND/OR VEHICLES MOVING THROUGH OR AROUND THE WORK SITE.
12. ALL EXISTING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MAINTAINED UNOBSTRUCTED AND ACCESSIBLE AT ALL TIMES IN ACCORDANCE WITH SECTIONS 508.5.4 AND 508.5.5 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
13. ACCESS TO BUILDINGS FOR FIREFIGHTING SHALL BE MAINTAINED AT ALL TIMES. EXISTING FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE KEPT CLEAR OF OBSTRUCTIONS IN ACCORDANCE WITH SECTION 503.4 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE. ACCESS TO CONSTRUCTION SITES SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH SECTION 1410 OF THE ARLINGTON COUNTY FIRE PREVENTION CODE.
14. IN THE EVENT THAT EXISTING FIRE DEPARTMENT CONNECTIONS OR FIRE APPARATUS ACCESS ROADS (FIRE LANES) MUST BE OBSTRUCTED TO FACILITATE CONSTRUCTION ACTIVITIES, CONTACT THE ARLINGTON COUNTY 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.
15. NORMAL WORKING HOURS SHALL BE 9:30 AM TO 3:00 PM MONDAY THROUGH THURSDAY AND 9:30 AM TO 2:00 PM ON FRIDAY WITHIN RIGHT OF WAY.
16. COUNTY WILL COORDINATE WITH TRANSIT BUREAU FOR WORK THAT WILL AFFECT TRANSIT STOPS. TRANSIT STOP ACCESS SHALL BE MAINTAINED FOR ALL OPERATIONAL HOURS. THE CONTRACTOR SHALL PRESERVE ALL BUS STOPS, INCLUDING MAINTAINING ADEQUATE ACCESS THROUGH AND ADJACENT TO THE CONSTRUCTION FOR BUSES AND THEIR PASSENGERS. THE CONTRACTOR SHALL NOT CLOSE, RELOCATE, OR OTHERWISE MODIFY A BUS STOP WITHOUT PRIOR REQUEST OF THE PROJECT OFFICER. TYPICALLY ANY RELOCATION OR CLOSURE OF A BUS STOP WILL REQUIRE AT LEAST FOUR WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR AT 703-228-3049. ALL TEMPORARY AND FINAL BUS TRAVEL LANES MUST BE MINIMUM 11' WIDE.
17. CONTRACTOR MAY WORK ON MULTIPLE CONSTRUCTION PHASES SIMULTANEOUSLY PROVIDED THAT NO MORE THAN ONE LANE OF TRAFFIC IS CLOSED ALONG ARLINGTON BOULEVARD AT ANY GIVEN TIME.

**MAINTENANCE OF TRAFFIC PHASE 2
SOUTH BUS LANE, BUS STOP SITE WORK AND SIGNAL - ESTIMATED DURATION 25 DAYS**



MAINTENANCE OF TRAFFIC PHASE 2 - INSET B



LEGEND

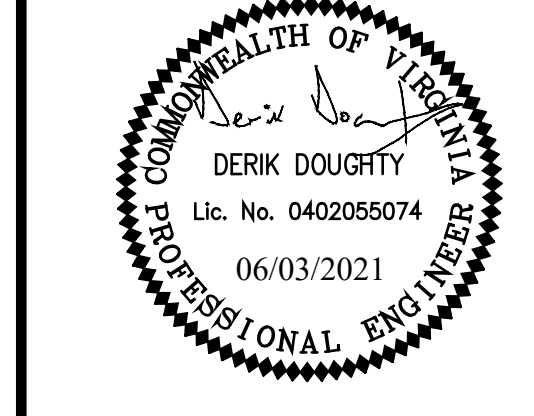
- APPROXIMATE LIMITS OF WORK AREA
- APPROXIMATE LOCATION OF CHANNELIZING DEVICES



DEPARTMENT OF ENVIRONMENTAL SERVICES

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Transportation Planning Bureau
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Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606

SEAL



APPROVALS DATE

APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS DATE

REVISIONS	DATE

Project Name and Location
**Arlington Boulevard at
North Montague Street
Signal Upgrades**
MAINTENANCE OF TRAFFIC PLAN
ARLINGTON COUNTY, VIRGINIA

Designed: NM
Drawn: NM
Checked: DD
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel Tyshing

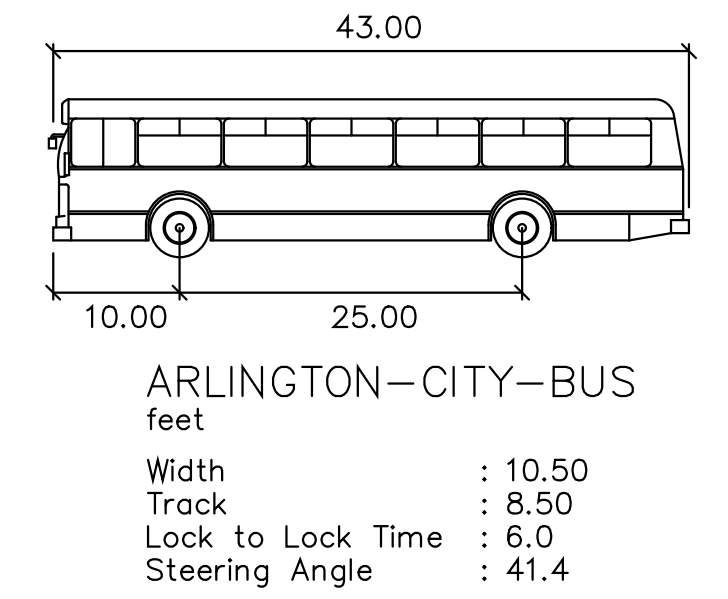
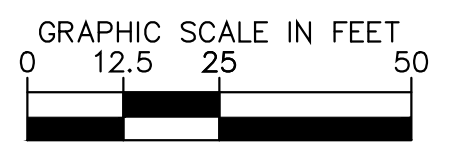
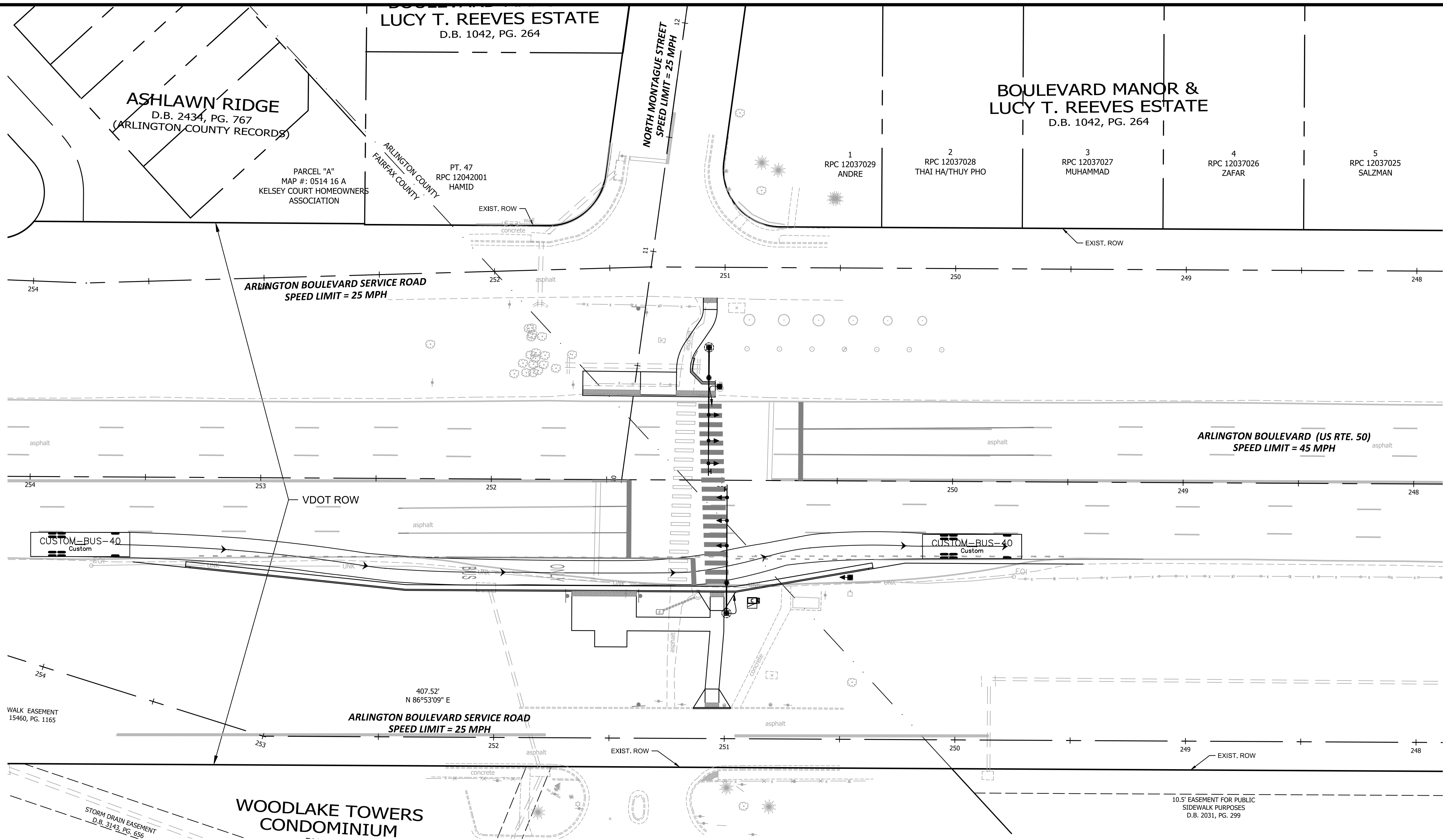
Scale: HOR. 1" = 25' VERT. N/A

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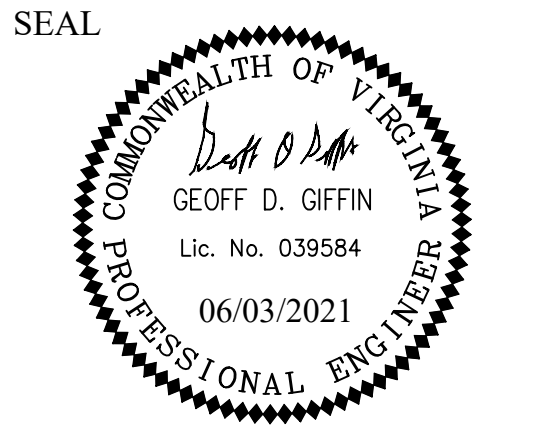
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REVISED: MARCH 03, 2020

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 Transportation Division
 Transportation Planning Bureau
 2100 Clarendon Boulevard, Suite 900
 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
 AUTOTURN EXHIBIT
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: June 03, 2021
 Plotted by: Miguel.Tyshing

Scale: HOR. 1" = 25' VERT. 1" = 5'

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 Reston, Virginia 20191
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 Fax: 703-674-1350

Sheet **EXHIBIT A**

2.4 POLLUTION PREVENTION PLAN:

- ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MS4 PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS: WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.
- APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (EG., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S MS4 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK.
- PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

2.0 Authorized Non-Stormwater Discharges

Type of Authorized Non-Stormwater Discharge	Likely Present at Your Project Site?	
External buildings wash down	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Uncontaminated foundation or footing drains	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Uncontaminated excavation dewatering	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Landscape irrigation	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Others [describe]	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

STORMWATER POLLUTION PREVENTION PLAN
Arlington Boulevard at N. Montague Street

5.0 Potential Sources of Pollution & Pollution Prevention Practices

Pollutant-Generating Activity	Likely Present at your Project Site?	Pollutants										Pollution Prevention Practice	Responsible Party	
		Sediment	Nutrients	Heavy Metals	pH (acids and bases)	Pesticides & Herbicides	Oil & Grease	Bacteria & Viruses	Trash, Debris, Solids	Other Toxic Chemicals				
Clearing, grading, excavating, and un-stabilized areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X									X	(1)	Construction Activity Operator (See Cover Page of this SWPPP)	
Paving operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X					X				X	(2)		
Concrete washout and cement waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			X	X						X	(3)		
Structure construction, stucco, painting, and cleaning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			X	X						X	X		(4)
Dewatering operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X								X	(5)		
Material delivery and storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X	X	X	X		X		X	X	X	(6)		
Material use during building process	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X	X	X		X		X	X	X	X	(7)		
Solid waste disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										X	X		(8)
Sanitary waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			X	X					X		(9)		
Landscaping operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X			X			X	X	X	(10)		
Others [describe]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X	X	X	X	X	X	X	X	X	X	(11)		

Arlington County – SWPPP 9/2016

Pollution Prevention Practices:

- Clearing, grading, excavating and un-stabilized areas** – Utilize erosion and sediment controls to prevent sediment laden or turbid runoff from leaving the construction site. Dispose of clearing debris at acceptable disposal sites. Apply permanent or temporary stabilization, sodding and/or mulching to denuded areas in accordance with the erosion and sediment control specifications and the general VPDES permit for discharges of stormwater from construction activities.
- Paving operations** – Cover storm drain inlets during paving operations and utilize pollution prevention materials such as drip pans and absorbent oil dry for all paving machines to limit leaks and spills of paving materials and fluids.
- Concrete washout and cement waste** – Direct concrete wash water into a leak-proof container or leak-proof settling basin that is designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes.
- Structure construction, stucco, painting and cleaning** – Enclose, cover or berm building material storage areas if susceptible to contaminated stormwater runoff. Conduct painting operations consistent with local air quality and OSHA regulations. Mix paint indoors, in a containment area or in a flat unpaved area. Prevent the discharge of soaps, solvents, detergents and wash water from construction materials, including the clean-up of stucco paint, form release oils and curing compounds.
- Dewatering operations** – Construction site dewatering from building footings or other sources may not be discharged without treatment. Sediment laden or turbid water shall be filtered, settled or similarly treated prior to discharge.
- Material delivery and storage** – Designate areas of the construction site for material delivery and storage. Place near construction entrances, away from waterways, and avoid transport near drainage paths or waterways.
- Material use during building process** – Use materials only where and when needed to complete the construction activity. Follow manufacturer's instructions regarding uses, protective equipment, ventilation, flammability and mixing of chemicals.
- Solid waste disposal** – Designate a waste collection area on the construction site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a waterway. Ensure that containers have lids so they can be covered before periods of rain, and keep containers in a covered area whenever possible. Schedule waste collection to prevent the containers from overflowing.
- Sanitary waste** – Prevent the discharge of sanitary waste by providing convenient and well-maintained portable sanitary facilities. Locate sanitary facilities in a convenient location away from waterways.
- Landscaping operations** – Maintain as much existing vegetation as practicable. Apply permanent or temporary stabilization, sodding and/or mulching to denuded areas in accordance with the erosion and sediment control specifications and the general VPDES permit for discharges of stormwater from construction activities. Apply nutrients in accordance with manufacturer's recommendations and not during rainfall events.

7.0 Spill Prevention & Response

Most spills can be cleaned up following manufacturer specifications. Absorbent/oil dry, sealable containers, plastic bags, and shovels/brooms are suggested minimum spill response items that should be available at this location.

- 1st Priority: Protect all people
- 2nd Priority: Protect equipment and property
- 3rd Priority: Protect the environment

- Check for hazards (flammable material, noxious fumes, cause of spill) – If flammable liquid, turn off engines and nearby electrical equipment. If serious hazards are present leave the area and call 911. **LARGE SPILLS ARE LIKELY TO PRESENT A HAZARD.**
- Make Sure the spill area is safe to enter and that it does not pose an immediate threat to health or safety of any person.
- Stop the spill source.
- Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers.
- If possible, stop spill from entering drains (use absorbent or other material as necessary).
- Stop spill from spreading (use absorbent or other material).
- If spilled material has entered a storm sewer, contact locality's storm water department.
- Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials and do not flush area with water.
- Properly dispose of cleaning materials and used absorbent material according to manufacturer specifications.

Emergency Contacts:

Normal Working Hours

DEQ Northern Regional Office 703-683-3800

Nights, Holidays & Weekends

VA Dept. of Emergency Management 804-674-2400
24 Hour Reporting Service

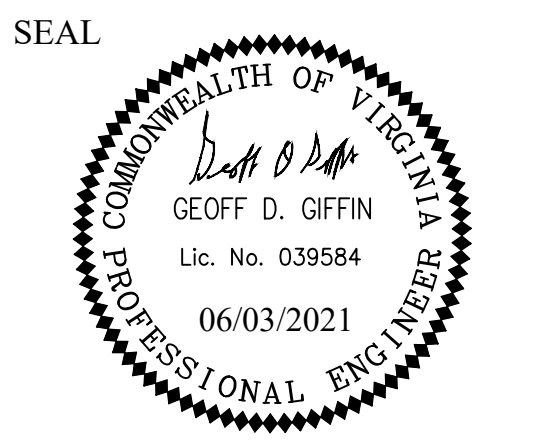
Local Contacts

Arlington County Fire & Police 703-558-2222
DES Water, Sewer, Streets 24-Hour Emergency 703-228-6555
Washington Gas Emergency 703-750-1400



DEPARTMENT OF ENVIRONMENTAL SERVICES

Transportation Division
Transportation Planning Bureau
2100 Clarendon Boulevard, Suite 900
Arlington, VA 22201
Phone: 703.228.3629
Fax: 703.228.3606



APPROVALS DATE

<i>[Signature]</i>	6/2/2021
TRAFFIC SIGNAL ENGINEER	
<i>[Signature]</i>	06/02/21
TRAFFIC ENGINEERING MANAGER	
<i>[Signature]</i>	06.03.2021
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	06/02/2021
TE&O BUREAU CHIEF	
<i>[Signature]</i>	06/03/21
TRANSPORTATION DIRECTOR	

REVISIONS DATE

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
SWPPP EXHIBIT
ARLINGTON COUNTY, VIRGINIA

Designed: NM
Drawn: NM
Checked: GG
Miss Utility Transmittal #:

Plotted: June 03, 2021
Plotted by: Miguel.Tyshing

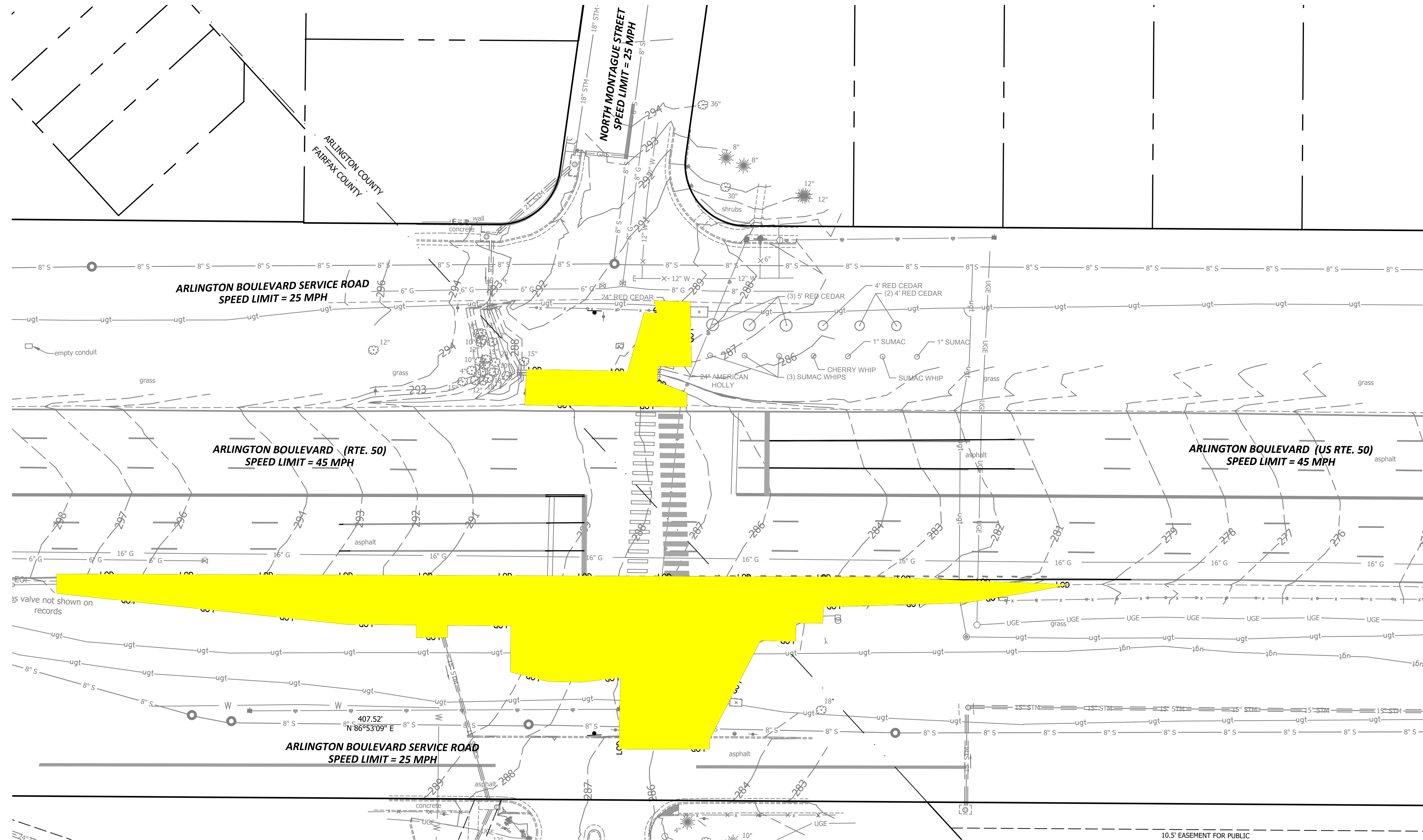
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EXHIBIT B

REVISED: MARCH 03, 2020

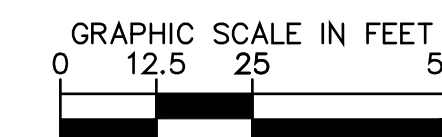
LIMITS OF DISTURBANCE



	IMPERVIOUS AREA	% IMPERVIOUS AREA OF LOD
PRE DEVELOPMENT	4221 SF	38%
POST DEVELOPMENT	6090 SF	54%

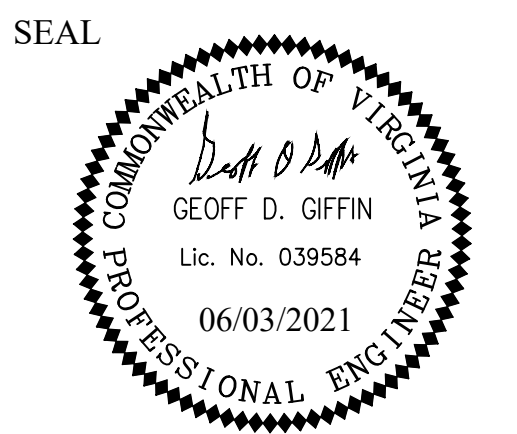
LEGEND

LIMITS OF DISTURBANCE



DEPARTMENT OF ENVIRONMENTAL SERVICES

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 Arlington, VA 22201
 Phone: 703.228.3629
 Fax: 703.228.3606



APPROVALS	DATE
<i>[Signature]</i> TRAFFIC SIGNAL ENGINEER	6/2/2021
<i>[Signature]</i> TRAFFIC ENGINEERING MANAGER	06/02/21
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	06.03.2021
<i>[Signature]</i> TE&O BUREAU CHIEF	06/02/2021
<i>[Signature]</i> TRANSPORTATION DIRECTOR	06/03/21

REVISIONS	DATE

Project Name and Location
Arlington Boulevard at North Montague Street Signal Upgrades
 LIMITS OF DISTURBANCE
 ARLINGTON COUNTY, VIRGINIA

Designed: KF
 Drawn: KF
 Checked: GG
 Miss Utility Transmittal #:

Plotted: June 03, 2021
 Plotted by: Miguel Tyshing

Scale: HOR. 1" = 25' VERT. N/A

Kimley-Horn
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Sheet **EXHIBIT C**

Filename: EXHIBIT C LIMITS OF DISTURBANCE.dwg
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