



**OWNER**  
DEPARTMENT OF  
ENVIRONMENTAL SERVICES

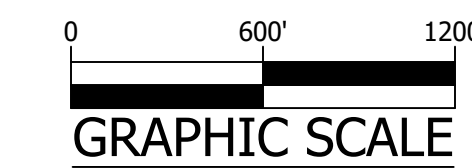
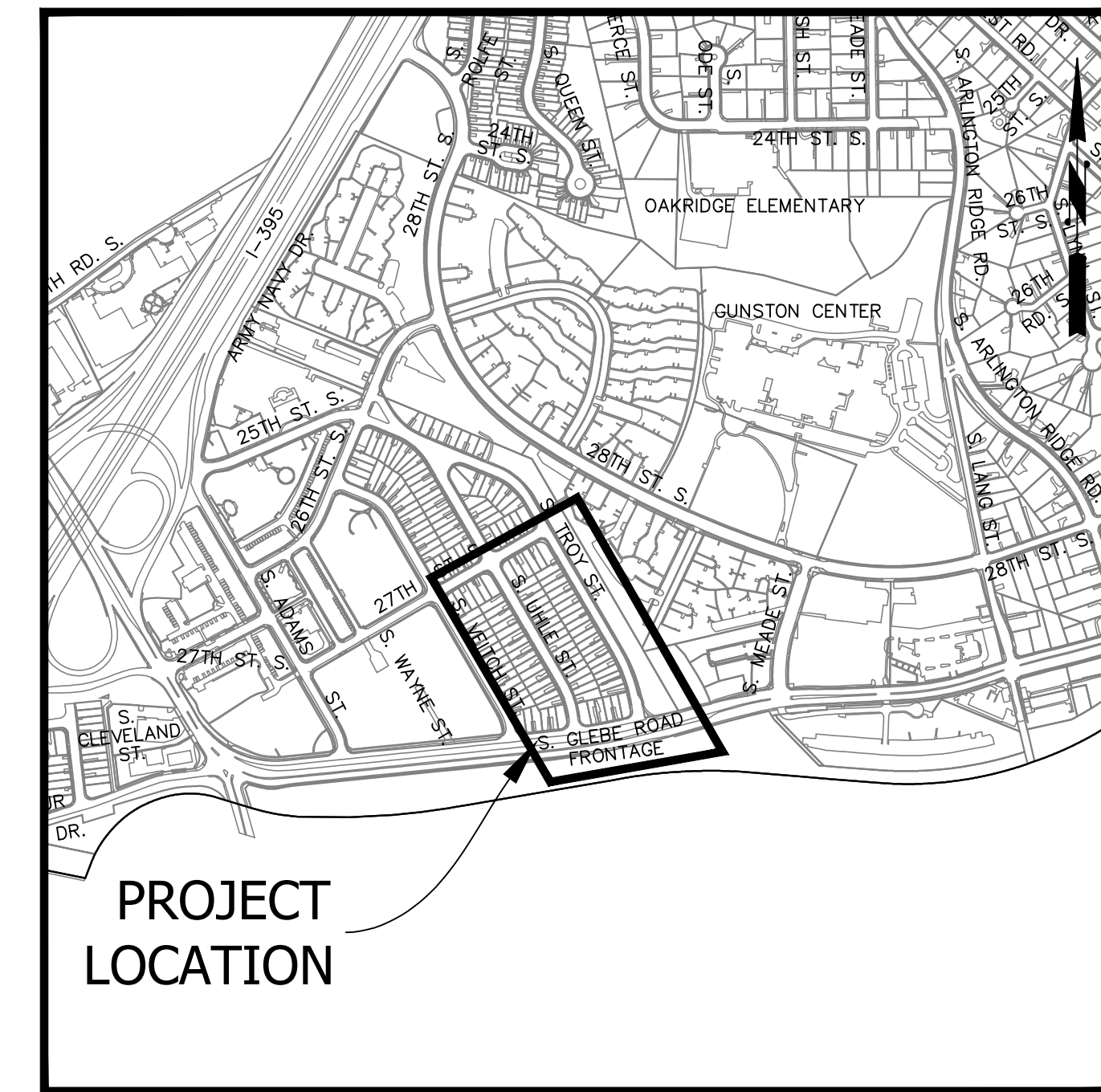
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.6555 FAX: 703.228.7865  
WWW.ARLINGTONVA.US

**OWNER**  
ARLINGTON COUNTY

**CONSULTANT & ENGINEER**  
CDM SMITH INC.

**CONTRACTOR**  
TO BE DETERMINED

# LOCATION MAP



# CONSTRUCTION DRAWINGS FOR: TROY STREET WATER AND SEWER IMPROVEMENTS

AUGUST 2020

WATER PROJECT CODE: R067  
SEWER PROJECT CODE: SA37



DEPARTMENT OF  
ENVIRONMENTAL SERVICES

WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.7865  
FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY  
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

REVISIONS DATE

## GENERAL NOTES:

### GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES, CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND WHERE APPLICABLE THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, AND ROAD AND BRIDGE STANDARDS. THE LATEST EDITIONS OF EACH RELEVANT MANUAL SHALL BE USED.
- ALL CONSTRUCTION AND WORK ACTIVITIES SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ALL OTHER RELEVANT WORK SAFETY REQUIREMENTS, LATEST EDITIONS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT OFFICER OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 FOR MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (i.e. WATER, SEWER, GAS, TELEPHONE, ELECTRIC, AND CABLE TV) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO IDENTIFY AND PROTECT ALL OTHER UTILITY LINES FOUND IN THE WORK SITE AREA BELONGING TO OTHER OWNERS THAT ARE NOT MEMBERS OF "MISS UTILITY". PRIVATE WATER, SEWER AND GAS LATERALS WILL NOT BE MARKED BY MISS UTILITY OR THE COUNTY. THE CONTRACTOR SHALL LOCATE AND PROTECT THESE SERVICES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND SHALL RETAIN A PROFESSIONAL LAND SURVEYOR LICENSED IN THE COMMONWEALTH OF VIRGINIA TO PROVIDE ALL NECESSARY CONSTRUCTION LAYOUTS AND ESTABLISH ALL CONTROL LINES, GRADES, AND ELEVATION DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A COPY OF ALL CUT SHEETS FOR REVIEW, PER THE SPECIFICATIONS. THE COST OF ALL NECESSARY SURVEYING SERVICES SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND, UNLESS OTHERWISE SPECIFIED, THE COST SHALL BE INCORPORATED INTO THE COSTS FOR RELEVANT ITEMS.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM BEST AVAILABLE RECORDS AND SHALL BE CONSIDERED TO BE APPROXIMATE. WHEN CONSTRUCTION ACTIVITY REACHES IN PROXIMITY TO EXISTING UTILITIES, THE 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 THE PROJECT 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.
- ALL ELEVATIONS ARE BASED ON ARLINGTON COUNTY DATUM (U.S.C & G.S., 1929 MLS).
- NOTIFY RESIDENTS OF SOUTH TROY STREET, SOUTH UHLE STREET AND SOUTH GLEBE ROAD FRONTAGE, IN WRITING, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION IN THAT STREET, OR AS DIRECTED BY THE COUNTY.
- ACCORDING TO 1997 TECHNICAL MEMORANDUM BY HALEY & ALDRICH INC., GROUNDWATER LEVELS ARE EXPECTED TO RANGE FROM 0 TO 15 FEET BELOW GROUND SURFACE. WITH GROUNDWATER LEVELS TYPICALLY 4 TO 5 FEET BELOW GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION DEWATERING AND FILTERING OF WATER PRIOR TO DISCHARGE IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS.

### STORMWATER AND ENVIRONMENTAL PROTECTION

- THE CONTRACTOR SHALL CONFINE ALL ACTIVITIES AT THE SITE ASSOCIATED WITH CONSTRUCTION ACTIVITIES, TO INCLUDE STORAGE OF EQUIPMENT AND OR MATERIALS, ACCESS TO THE WORK, FORMWORK, ETC. TO WITHIN THE DESIGNATED LIMITS OF DISTURBANCE (LOD).
- TREE PROTECTION**
- TREES SHALL BE PROTECTED PER THE REQUIREMENTS OF ARLINGTON PARK & RECREATIONS 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 TWO WEEKS ADVANCE NOTICE FOR COORDINATION WITH THE COUNTY'S BUS STOP COORDINATOR.
  - 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.

### WATER AND SEWER CONSTRUCTION REQUIREMENTS

- ALL MATERIAL AND CONSTRUCTION ARE REQUIRED TO BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS. DURING PHYSICAL INSPECTION, THE COUNTY RESERVES THE RIGHT TO REJECT THE USE OF ANY MATERIAL FOUND TO BE DEFECTIVE OR NOT CONFORMING TO STANDARDS AND SPECIFICATIONS.
- BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR MUST PROVIDE THE FOLLOWING INFORMATION AND/OR EVIDENCE OF COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND LAWS:
  - A RIGHT OF WAY PERMIT IS REQUIRED TO WORK IN COUNTY STREETS. FOR EXCAVATIONS IN THE STATE RIGHT OF WAY, THE DATE AND NUMBER OF ALL PERMITS REQUIRED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) MUST BE PROVIDED. CONTRACTOR TO OBTAIN ALL NECESSARY WORK PERMITS.

- EXISTING WATER SERVICES MAY BE ALLOWED FOR CONSTRUCTION PURPOSES ONLY WITH PRIOR APPROVAL. IN THESE CASES, INSTALLATION OF A WATER METER FOR "WATER ONLY" USE CAN BE REQUESTED BY CALLING 703-228-6570. THE METER WON'T BE PROVIDED WITHOUT EVIDENCE THAT THE CONTRACTOR HAS INSTALLED AN ASSE-1013 APPROVED, REDUCED-PRESSURE, BACKFLOW PREVENTION (HIGH HAZARD) DEVICE PER THE ARLINGTON COUNTY PLUMBING CODE.
- NO EXISTING WATER MAINS, FIRE HYDRANTS OR SANITARY SEWERS CAN BE TAKEN OUT OF SERVICE OR MADE INACCESSIBLE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL.
  - SANITARY SEWER LATERALS ARE PRIVATELY OWNED AND MAINTAINED. IT'S THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING LATERALS WITHIN THE LIMITS OF CONSTRUCTION. APPROPRIATE PERMITS AND INSPECTIONS FOR WORK ON ANY LATERALS MUST BE OBTAINED FROM INSPECTION SERVICES. ANY LATERALS ABANDONED WITH THE PROJECT WILL BE CAPPED AT THE SEWER MAIN.
  - ON COMPLETION OF CONSTRUCTION, ALL REQUIRED FINAL TESTS MUST BE PERFORMED IN THE PRESENCE OF A COUNTY REPRESENTATIVE. WATER AND SEWER SERVICE CONNECTIONS WON'T BE MADE UNTIL THE WATER AND/OR SEWER MAINS AND APPURTENANCES HAVE BEEN APPROVED AND ACCEPTED. THE CONTRACTOR IS RESPONSIBLE FOR DECHLORINATING ALL CHLORINATED WATER, REGARDLESS OF THE CONCENTRATION. ALL SUPERCHLORINATED WATER REQUIRES A DECHLORINATION PLAN THAT MUST BE SUBMITTED TO AND APPROVED BY THE COUNTY. THIS PLAN MUST DESCRIBE HOW AND WHERE THE WATER WILL BE DISCHARGED.
  - THE CONTRACTOR MUST MAINTAIN BACKFILL FOR UTILITY EXCAVATIONS UNTIL THE COUNTY HAS ACCEPTED THE PROPOSED WATER AND/OR SEWER MAIN. ALSO, ALL SURFACES OVER UTILITY EXCAVATIONS MUST BE RESTORED TO THEIR ORIGINAL CONDITION OR FINISHED AS PER THE PROPOSED DESIGN BEFORE THE PROJECT IS ACCEPTED. PAVEMENT PATCHING FOR UTILITY CUTS IN PUBLIC STREETS MUST BE PERFORMED IN ACCORDANCE WITH COUNTY STANDARDS AND SPECIFICATIONS OR AS PER VDOT ROAD AND BRIDGE SPECIFICATIONS, DEPENDING ON STREET OWNERSHIP. PRIOR TO FINAL PAVING, THE CONTRACTOR MUST ADJUST ALL EXISTING VALVE BOXES AND SANITARY SEWER MANHOLE FRAMES AND COVERS AS PER COUNTY STANDARDS, REMOVE ALL ABANDONED SANITARY MANHOLES AND VALVE BOXES OVER ABANDONED WATER MAINS, ABANDON ALL PIPES IN ACCORDANCE WITH COUNTY STANDARDS AND COMPLETE ALL NECESSARY WATER MAIN "CUTS AND CAPS."
  - ON COMPLETION, APPROVAL AND ACCEPTANCE OF WATER AND/OR SEWER MAINS AND APPURTENANCES, THE CONTRACTOR MUST SUBMIT A TELEVISION INSPECTION AND DVD REPORT IN A COUNTY-APPROVED FORMAT. PRIOR TO ANY BOND REDUCTION/RELEASE OR APPROVAL/ACCEPTANCE OF WATER AND/OR SEWER MAINS AND APPURTENANCES, THE CONTRACTOR MUST GIVE DES A SET OF MYLAR TRACINGS AND A CD WITH PDFS THAT SHOW THE AS-BUILT CONDITIONS PER COUNTY STANDARDS.
  - PRIOR TO THE FINAL ACCEPTANCE OF A PROJECT, THE CONTRACTOR MUST REQUEST - IN WRITING - THAT WE DISCONTINUE ALL EXISTING WATER SERVICES USED FOR THE PROJECT, AT WHICH TIME THE COUNTY WILL REMOVE THE WATER METER AND ISSUE A FINAL BILL. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING METER BOXES RELATED TO THE SERVICES BEING DISCONTINUED, AS WELL AS DISCONNECTING EXISTING WATER SERVICES AT THE MAIN BY EXCAVATING, TURNING OFF THE CORPORATION STOP AND DISCONNECTING THE SERVICE FROM THE CORPORATION STOP.
  - ALL CONCRETE ON THIS PROJECT SHALL BE CLASS "A-3", AIR ENTRAINED CONCRETE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL USE A CURING COMPOUND TO TREAT ALL EXPOSED CONCRETE.
  - THE CONTRACTOR SHALL DISINFECT WATER MAINS AFFECTED BY WORK IN ACCORDANCE WITH ARLINGTON COUNTY STANDARDS.
  - TEST PITS SHALL BE MADE TO VERIFY EXACT LOCATION AND INVERTS OF EXISTING UTILITIES TO ALLOW FOR POSSIBLE CHANGES IN THE LINE AND GRADE. THESE TEST PITS SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE COUNTY AND ARE INCIDENTAL TO THE WATER MAIN WORK.
  - ALL UNSUITABLE BACKFILL MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN

EXPENSE. SUITABLE BACKFILL MATERIAL MAY BE REUSED ANYWHERE ON THE JOB AND MAY BE STOCKPILED FOR REUSE. STORING, TRANSPORTATION, LOADING AND OTHER ASSOCIATED STORAGE AREAS WILL NOT BE PROVIDED BY ARLINGTON COUNTY.

- THE CONTRACTOR SHALL SUBMIT A TRAFFIC MAINTENANCE PLAN TO THE TRAFFIC DIVISION FOR APPROVAL PRIOR TO START OF WORK.

## Table of Contents:

- Cover
- Legend sheet
- Existing Conditions
- Waterline - Plan and Profile Sheet - S. Uhle Street
- Waterline - Plan and Profile Sheet - S. Uhle Street
- Waterline - Plan and Profile Sheet - S. Glebe Road Frontage
- Waterline - Plan and Profile Sheet - S. Troy Street
- Waterline - Plan Sheet - S. Troy Street
- Sewer - Plan and Profile Sheet - S. Uhle Street
- Sewer - Plan and Profile Sheet - S. Glebe Road Frontage
- Sewer - Plan and Profile Sheet - S. Troy Street
- Details Sheet 1
- Details Sheet 2
- Details Sheet 3
- Erosion and Sedimentation Control Notes
- Erosion and Sedimentation Control Notes and Details

## ADT

NA - S. UHLE STREET (27TH STREET TO S. GLEBE ROAD FRONTAGE) - 2016 - VDOT DAILY TRAFFIC VOLUME ESTIMATES  
160 - S. TROY STREET (S. GLEBE ROAD FRONTAGE TO 27TH STREET) - 2016 - VDOT DAILY TRAFFIC VOLUME ESTIMATES  
380 - S. GLEBE ROAD FRONTAGE (S. GLEBE ROAD TO S. TROY STREET) - 2016 - VDOT DAILY TRAFFIC VOLUME ESTIMATES

## STREET CLASSIFICATION

NEIGHBORHOOD MINOR - S. UHLE STREET  
NEIGHBORHOOD MINOR - S. TROY STREET  
NEIGHBORHOOD MINOR - S. GLEBE ROAD FRONTAGE

## POSTED SPEED

25 MPH - S. UHLE STREET  
25 MPH - S. TROY STREET  
25 MPH - S. GLEBE ROAD FRONTAGE

Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Cover

DESIGNED: A. VAKILI  
DRAWN: J. SOSA  
CHECKED: D. GILROY  
MISS UTILITY TRANSMITTAL #: N/A  
FILENAME:  
ACC# - COVER.DWG  
PATH: C:\PW\_PL1\REESEK\0754632

PLOTTED: AUGUST 19 2020  
PLOTTED BY: REESEK

SCALE: 1" = 25'



10560 Arrowhead Drive, Suite 500  
FAIRFAX, VA 22030  
Tel: (703) 691-6500

SHEET 1 OF 16

TROY STREET

	Existing	Proposed
Easement	---	---
Asphalt	----	----
Building	----	----
Cable TV	---CATV---	---
Center Line	---	---
Concrete	----	----
Contours	---250---	---
Curb	---	---
Electric (Underground)	---UGE---	---
Fence	---X---X---X---X---	---X---X---X---X---
Fiber Optic	---FO---	---
Guardrail	---o---o---o---o---	---
2" Gas	---2" G---	---
3" Gas	---3" G---	---
6" Gas	---6" G---	---
8" Gas	---8" G---	---
Gas	---GAS---	---
Limits Of Clearing	---	---
Overhead Wires	---OHE---	---
Property Line	---	---
8" Sanitary	---8" S---	---8" S---
12" Sanitary	---12" S---	---12" S---
Sanitary Sewer	---SAN---	---SAN---
Sanitary House Con.	---SHC---	---SHC---
Sidewalk	---	---
Storm (size noted)	---	---
Telephone (Underground)	---UGT---	---
Wall	---	---
6" Water	---6" W---	---6" W---
8" Water	---8" W---	---8" W---
12" Water	---12" W---	---12" W---
Water	---W---	---
Water House Con.	---WHC---	---WHC---
Lane Marking	---	---
Tree Line	---	---

Asphalt - Mill & Overlay	
Asphalt - Overlay	
Asphalt - Full Depth	
Concrete	
Water Main (Shown on Profile Only)	
Demolish Existing Driveway Aprons	
Demolish Existing Curb & Gutter	
Abandoned Existing Piping	
Demolish Existing Piping	

Prop. Storm Catch Basin	Traffic Sign
Ex. Storm Catch Basin	Guy Wires
Prop. Storm Grate	Prop. Gas Valve
Ex. Storm Grate	Ex. Gas Valve
Prop. Storm MH	Prop. Handicap Ramp
Ex. Storm MH	Ex. Handicap Ramp
Prop. Sanitary MH	Metro Station
Ex. Sanitary MH	Benchmark
Prop. Cobra Head Light	Deciduous Tree
Prop. Carlyle Light	Coniferous Tree
Prop. Light Pole	Shrub
Ex. Light Pole	Wooded Area
Prop. Utility Pole	Bridge
Ex. Utility Pole	North Arrow
Ex. Utility MH (Type Indicated Elec. Tele. etc)	Telephone Ped.
Prop. Water MH	Electric Box
Ex. Water MH	Cable Ped.
Prop. Water Valve	Gas Marker
Ex. Water Valve	Construction Notes (Leader to area affected)
Prop. Water FH	Curve Number (See Curve Table)
Ex. Water FH	Line Number (See Line Table)
Prop. Water Meter	Ex. Sanitary Sewer Structure Number (Number obtained from WSE)
Ex. Water Meter	Ex. Storm Sewer Structure Number (Number obtained from WSE)
P.K. Nail Found	Prop. Sanitary Sewer Structure Number (Number obtained from WSE)
P.K. Nail Set	Prop. Storm Sewer Structure Number (Number obtained from WSE)
Rebar Rod Found	Parking Meter
Rebar Rod Set	Mailbox
Iron Pipe	Ground Light
Monument (GPS)	Traverse
Monument	Bus Sign
Gas Service Connection	Existing Test Hole Test Hole Requested and Data Received
	Prop. Test Hole Test Hole Requested

SHEET NO. WHERE  
DETAIL IS DRAWN →

SYMBOL WHERE THERE IS A DETAIL

SUBTITLE

DETAIL  
1" = 1" →

SHEET NO. WHERE  
DETAIL IS TAKEN

SYMBOL WHERE DETAIL IS DRAWN

DETAIL SYMBOL

**ABBREVIATIONS**

C&G	curb and gutter
CDI	curb drain inlet
CI	cast iron
CLF	chain link fence
CLR	clearance
CON	concrete utility pipe
CONC	concrete
CATV	cable television
DI	ductile iron
DWY	driveway
E	electric(al)
EHH	electric handhole
EOI	end of information
FH	fire hydrant
FM	force main
FO	fiber optic
G	natural gas
GAS	underground natural gas
GSC	gas service connection
GV	gate valve
INV	invert
LOD	limit of disturbance
LP	light pole
MH	manhole
MJ	mechanical joint
OHE	overhead electric
RCP	reinforced concrete pipe
R/W	right-of-way
S	sanitary sewer
SAN	sanitary sewer
SCO	sewer cleanout
SHC	sewer house connection
SD	storm drain
SDMH	storm drain manhole
SMH	sanitary manhole
SS	sanitary sewer
SSFM	sanitary sewer force main
STA	station
S/W	sidewalk
T	telephone
UG	underground
UGE	underground electric
UGFO	underground fiber optic
UGT	underground telephone
UNK	unknown
VB	vertical bend
W	water
WDF	wood fence
WHC	water house connection
WM	water main
YDI	yard drain inlet



DEPARTMENT OF  
ENVIRONMENTAL SERVICES  
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.7865  
FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY  
VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Revisions	Date

Project Name and Location

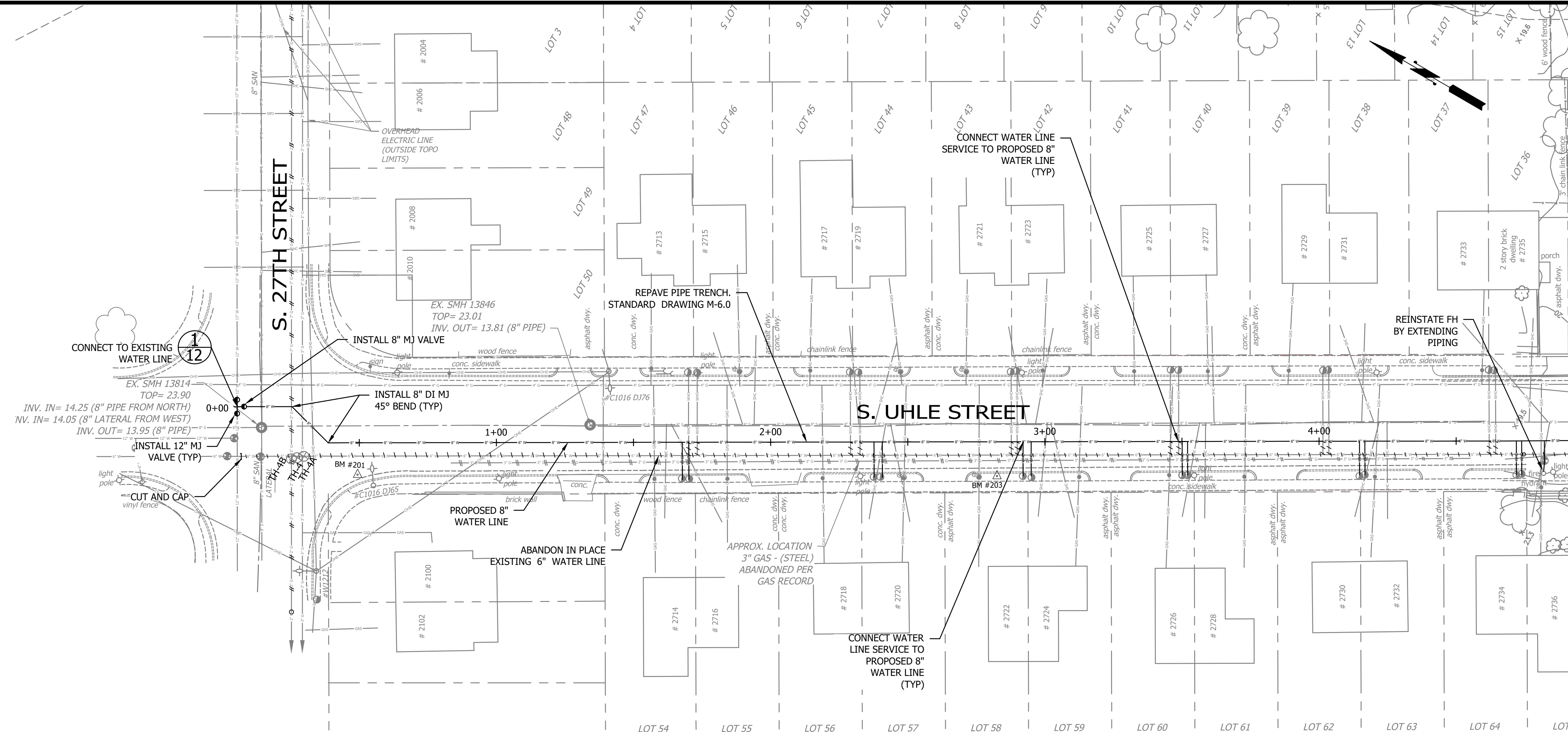
**Troy Street**  
Water and Sewer Improvements  
Legend Sheet

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:  
Filename: Acc## - Legend.dwg  
Path: c:\pw\_g1\res08\00754632  
Plotted: August 19, 2020  
Plotted by: ReeseKB

Scale: As Noted







- NOTES**
1. WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  2. CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (AT ALL UTILITIES CROSSING).
    - W-2.0 TO 2.4 CONCRETE THRUST BLOCKS (AS NECESSARY OR IN PLACE OF JOINT RESTRAINT).
    - W-3.0 RESTRAINED JOINT DETAIL.
    - W-7.0 FIRE HYDRANT SETTING.
    - W-8.0 WATER SERVICE CONNECTIONS.

STATION 4+75=MATCHLINE - SEE SHEET 4

ARLINGTON VIRGINIA

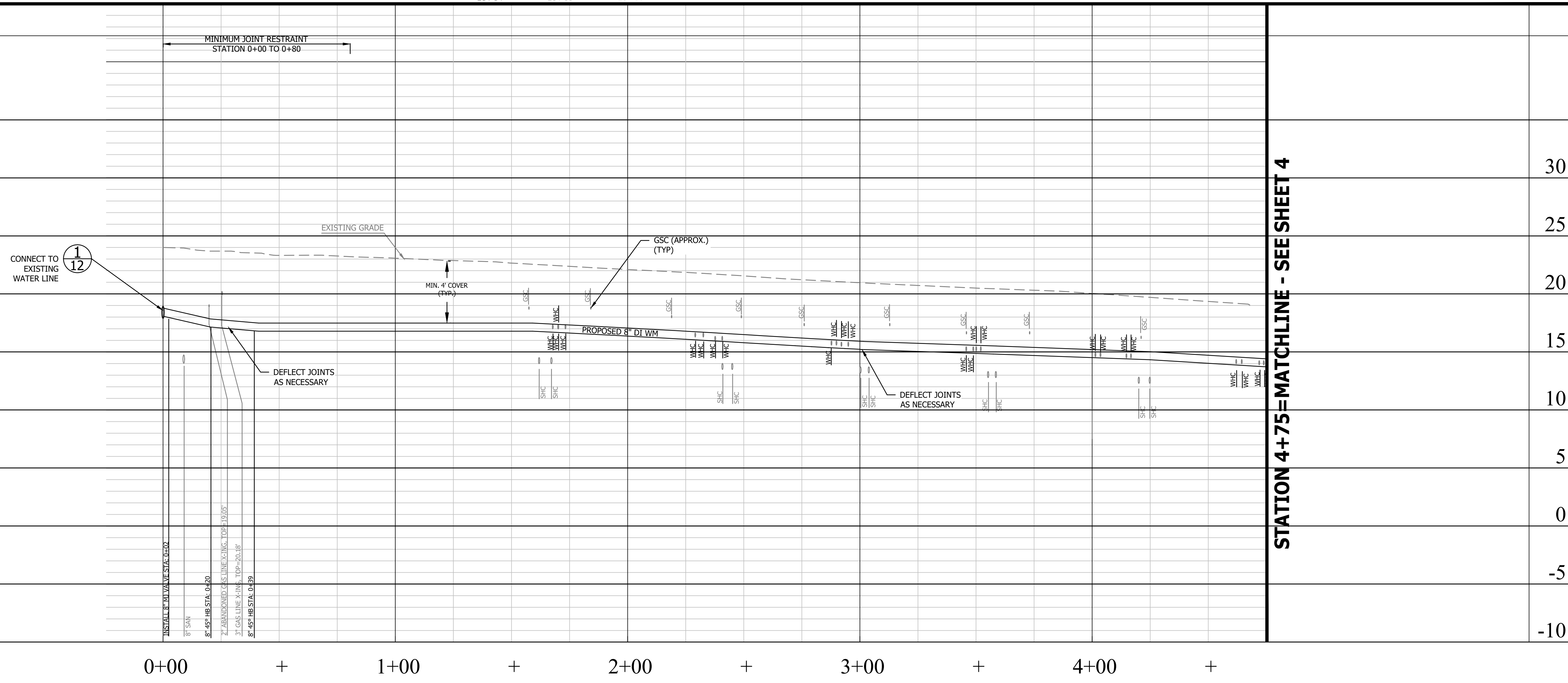
DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WATER, SEWER AND STREETS BUREAU  
 4200 28TH STREET SOUTH  
 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
 FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL

Daniel G. Gilroy  
 Daniel G. Gilroy  
 Lic. No. 040202914  
 8/18/2020  
 PROFESSIONAL ENGINEER

Revisions	Date



STATION 4+75=MATCHLINE - SEE SHEET 4

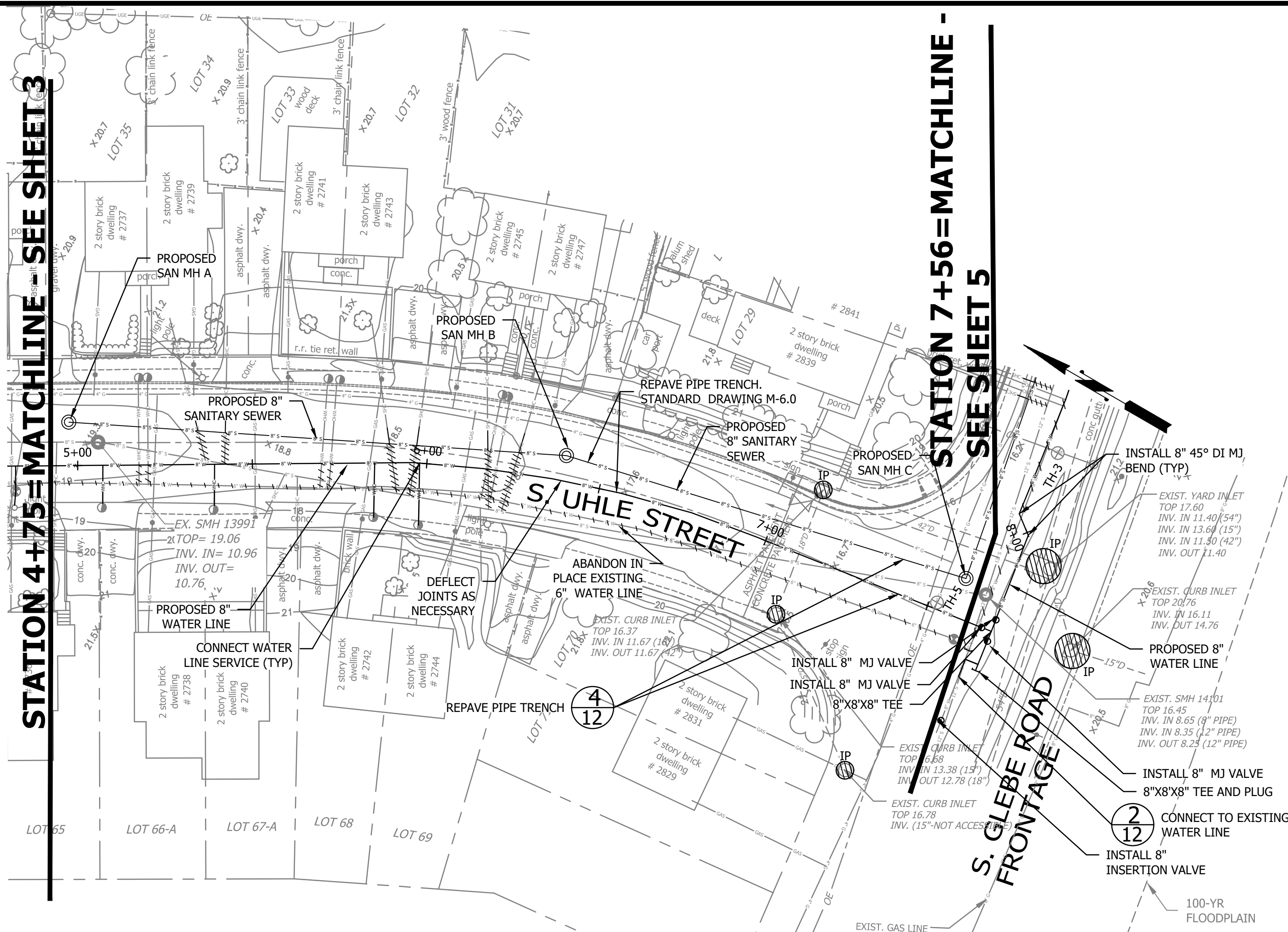
Project Name and Location

**Troy Street**  
 Water and Sewer Improvements  
 Waterline - Plan and Profile Sheet  
 S. Uhle Street

Designed: AV  
 Drawn: JJS  
 Checked: DGG  
 Miss Utility Transmittal #:  
 Filename: Acc# - Plan&Profiles.dwg  
 Path: c:\pw\_pl\res06\0754640  
 Plotted: August 19, 2020  
 Plotted by: ReeseKB

Scale: Hor: 1" = 25'  
 Vert: 1" = 5'

10560 Arrowhead Drive, Suite 500  
 FAIRFAX, VA 22030



- NOTES**
1. WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  2. CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (AT ALL UTILITIES CROSSING).
    - W-2.0 TO 2.4 CONCRETE THRUST BLOCKS (AS NECESSARY OR IN PLACE OF JOINT RESTRAINT).
    - W-3.0 RESTRAINED JOINT DETAIL.
    - W-7.0 FIRE HYDRANT SETTING.
    - W-8.0 WATER SERVICE CONNECTIONS.

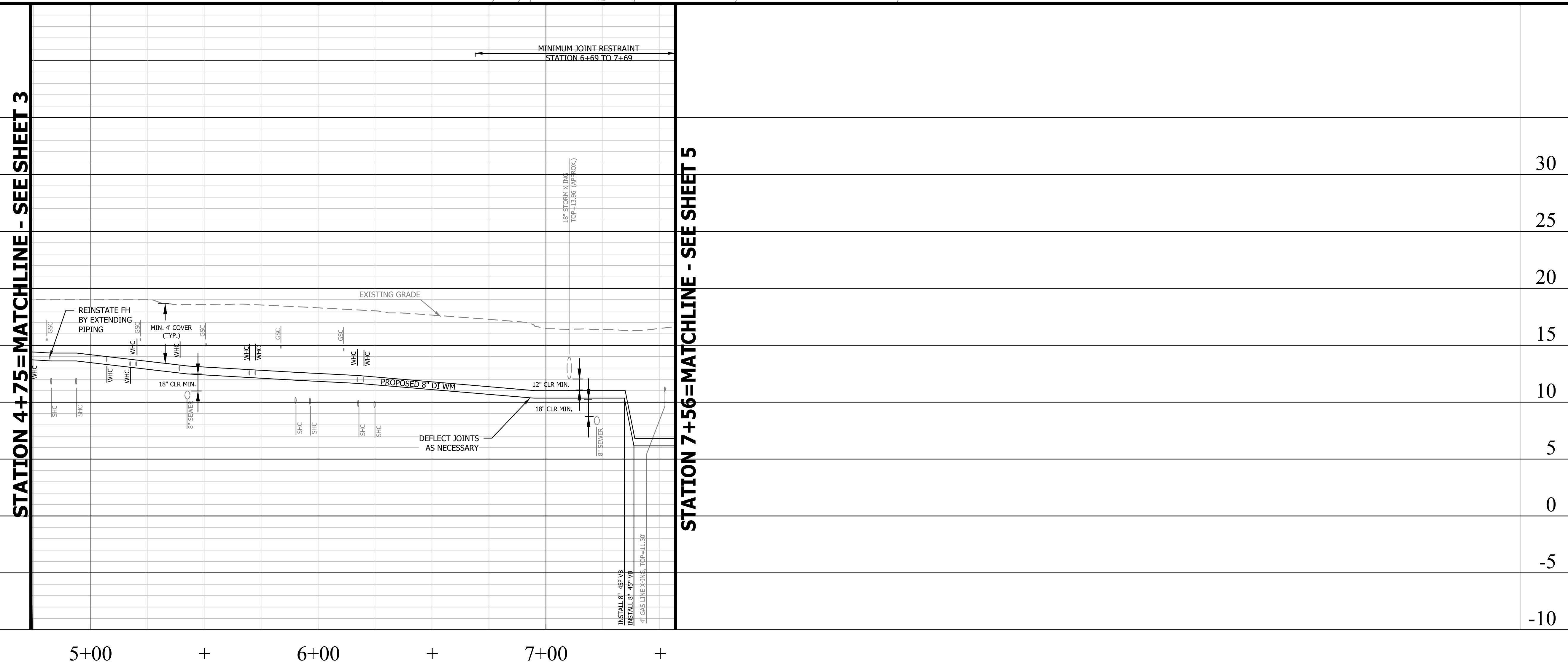
**ARLINGTON VIRGINIA**

DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WATER, SEWER AND STREETS BUREAU  
 4200 28TH STREET SOUTH  
 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
 FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



APPROVALS	DATE



Revisions	Date

Project Name and Location

**Troy Street**  
 Water and Sewer Improvements  
 Waterline - Plan and Profile Sheet  
 S. Uhle Street

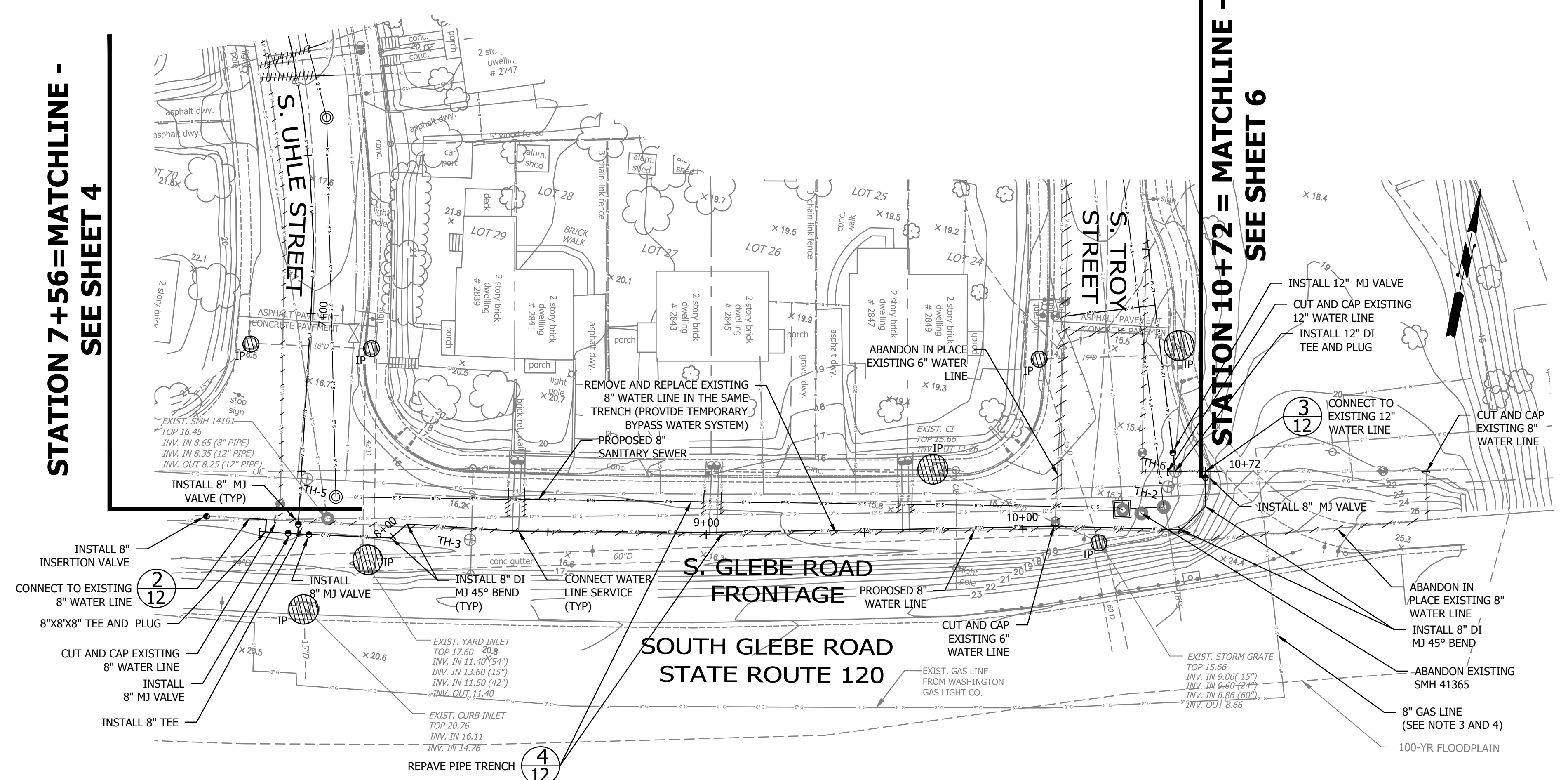
Designed: AV  
 Drawn: JJS  
 Checked: DGG  
 Miss Utility Transmittal #:  
 Filename: Acc## - Plan&Profiles.dwg  
 Path: c:\pw\_d\11reeskb\00754640  
 Plotted: August 19, 2020  
 Plotted by: ReeseKB

Scale: Hor: 1" = 25'  
 Vert: 1" = 5'



STATION 7+56=MATCHLINE -  
SEE SHEET 4

STATION 10+72=MATCHLINE -  
SEE SHEET 6



- NOTES**
1. WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  2. CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (AT ALL UTILITIES CROSSING).
    - W-2.0 TO 2.4 CONCRETE THRUST BLOCKS (AS NECESSARY OR IN PLACE OF JOINT RESTRAINT).
    - W-3.0 RESTRAINED JOINT DETAIL.
    - W-7.0 FIRE HYDRANT SETTING.
    - W-8.0 WATER SERVICE CONNECTIONS.
  3. 8" GAS LINE LOCATION IS APPROXIMATE AND BASED ON WASHINGTON GAS GAS. CONTRACTOR TO VERIFY WITH TEST PITS PRIOR TO EXCAVATION.
  4. FIELD ADJUST WATER LINE IN VICINITY OF 8" GAS LINE AS NECESSARY.

**ARLINGTON VIRGINIA**

DEPARTMENT OF ENVIRONMENTAL SERVICES  
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.7865  
FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

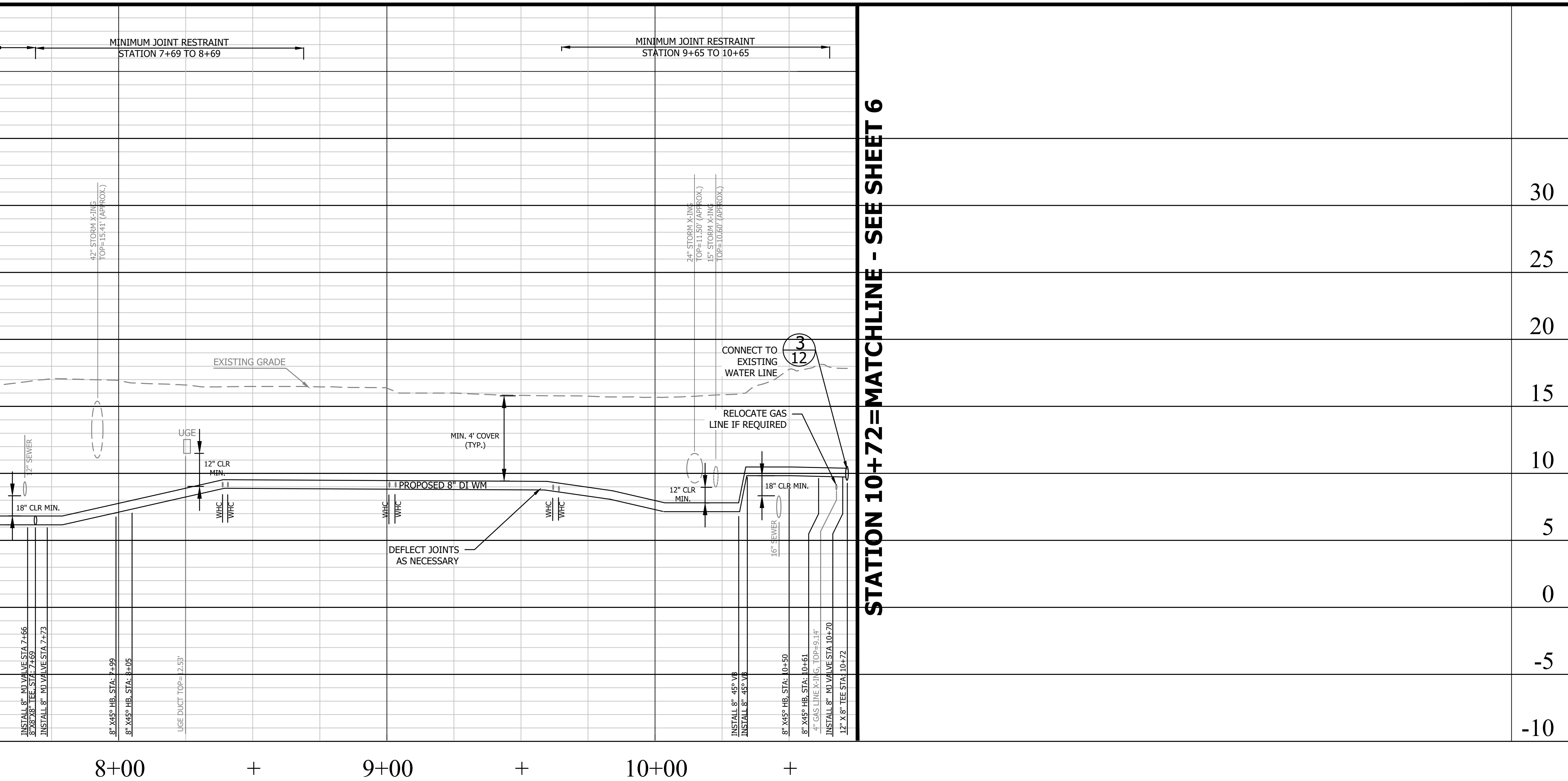
SEAL

APPROVALS DATE

Revisions	Date

STATION 7+56=MATCHLINE - SEE SHEET 4

STATION 10+72=MATCHLINE - SEE SHEET 6



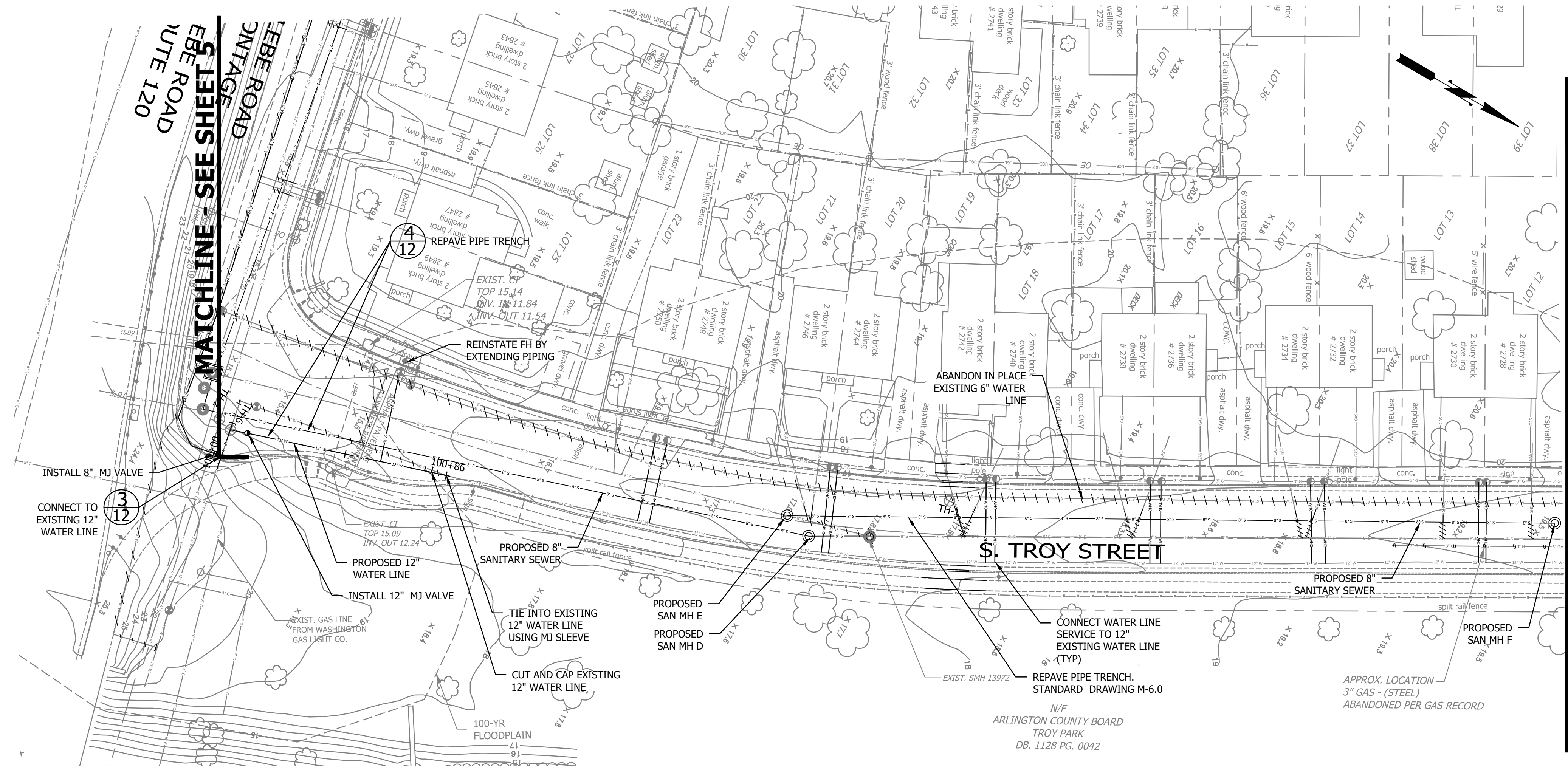
Project Name and Location

**Troy Street**  
Water and Sewer Improvements  
Waterline - Plan and Profile Sheet  
S. Glebe Road Frontage

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:  
Filename: Acc# - Plan&Profiles.dwg  
Path: c:\pw\_p1\res06\00754640  
Plotted: August 19, 2020  
Plotted by: ReeseKB

Scale: Hor: 1" = 25'  
Vert: 1" = 5'

**CDM Smith**  
10560 Arrowhead Drive, Suite 500  
FAIRFAX, VA 22030



- NOTES**
1. WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  2. CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (AT ALL UTILITIES CROSSING).
    - W-2.0 TO 2.4 CONCRETE THRUST BLOCKS (AS NECESSARY OR IN PLACE OF JOINT RESTRAINT).
    - W-3.0 RESTRAINED JOINT DETAIL.
    - W-7.0 FIRE HYDRANT SETTING.
    - W-8.0 WATER SERVICE CONNECTIONS.



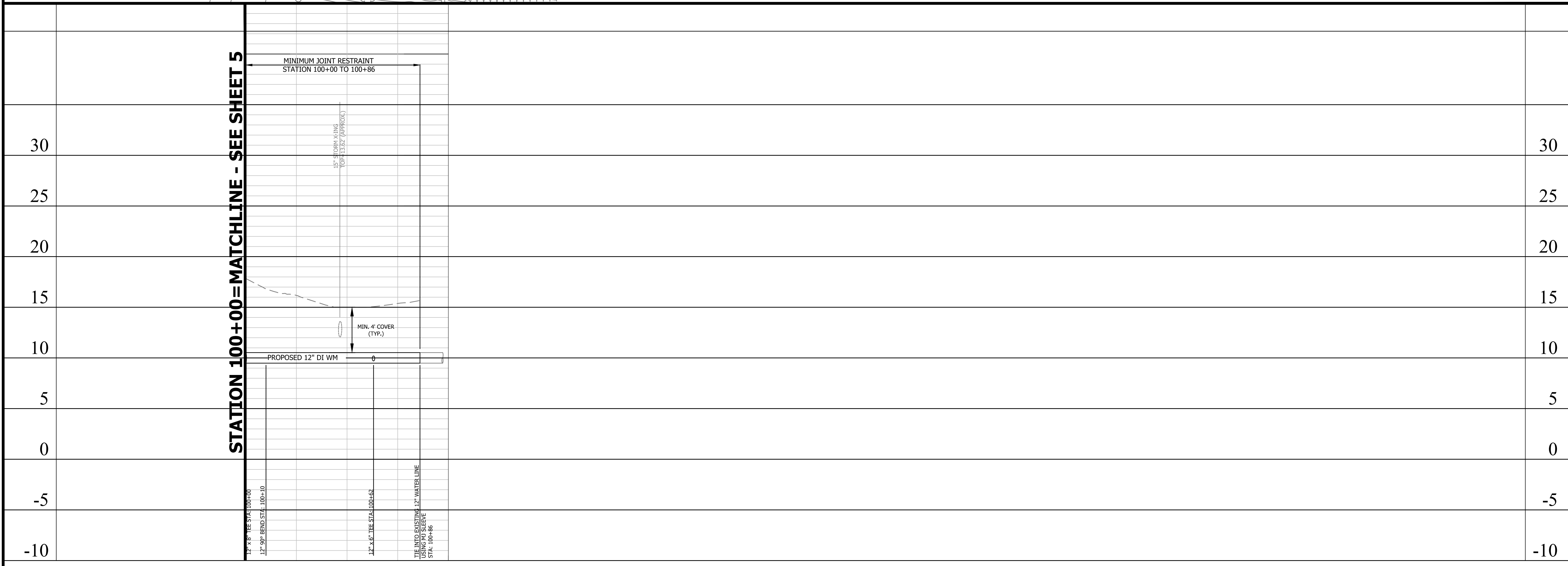
DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WATER, SEWER AND STREETS BUREAU  
 4200 28TH STREET SOUTH  
 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
 FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



APPROVALS \_\_\_\_\_ DATE \_\_\_\_\_

Revisions	Date



Project Name and Location  
**Troy Street**  
 Water and Sewer Improvements  
 Waterline - Plan and Profile Sheet  
 S. Troy Street

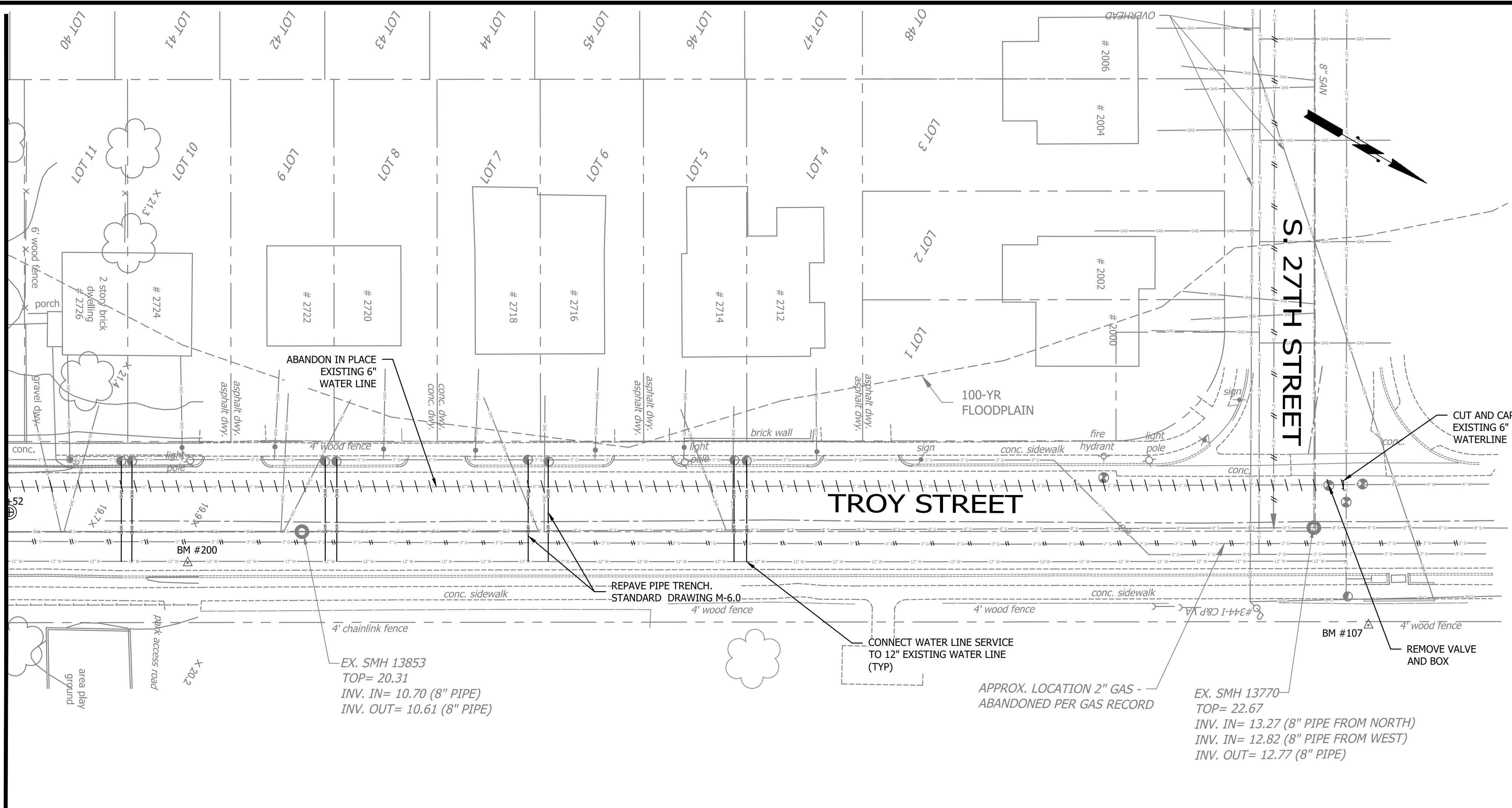
Designed: AV  
 Drawn: JJS  
 Checked: DGG  
 Miss Utility Transmittal #:  
 Filename: Acc# - Plan&Profiles.dwg  
 Path: c:\pw\_g\freeseb\00754640  
 Plotted: August 19, 2020  
 Plotted by: ReeseKB  
 Scale: Hor: 1" = 25'  
 Vert: 1" = 5'



Sheet 7 OF 16

Troy Street

MATCHLINE - SEE SHEET 6



- NOTES**
1. WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  2. CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (AT ALL UTILITIES CROSSING).
    - W-2.0 TO 2.4 CONCRETE THRUST BLOCKS (AS NECESSARY OR IN PLACE OF JOINT RESTRAINT).
    - W-3.0 RESTRAINED JOINT DETAIL.
    - W-7.0 FIRE HYDRANT SETTING.
    - W-8.0 WATER SERVICE CONNECTIONS.



DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WATER, SEWER AND STREETS BUREAU  
 4200 28TH STREET SOUTH  
 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
 FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



APPROVALS \_\_\_\_\_ DATE \_\_\_\_\_

Revisions	Date

Project Name and Location

**Troy Street**  
 Water and Sewer Improvements  
 Waterline Plan Sheet  
 S. Troy Street

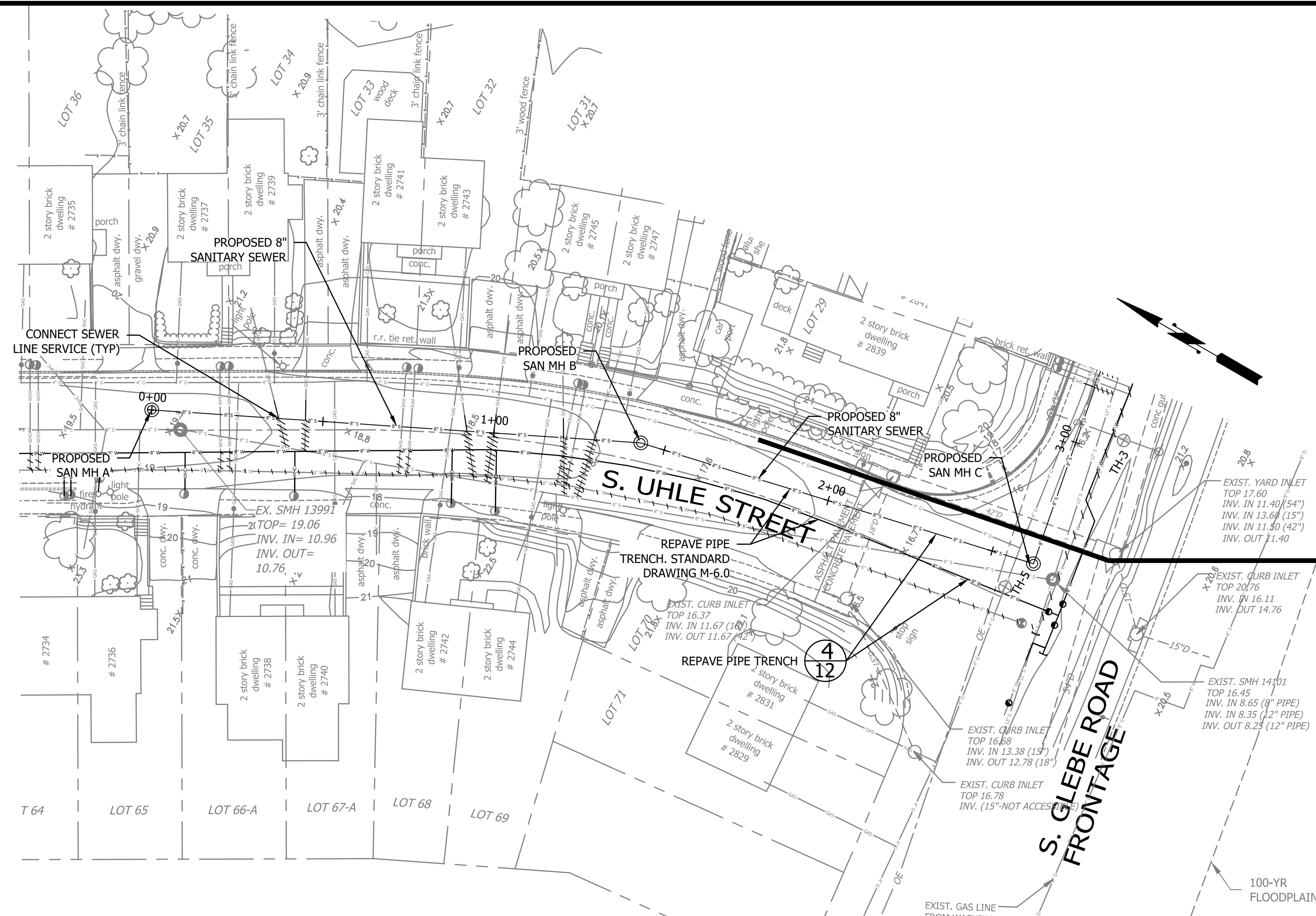
Designed: AV  
 Drawn: JJS  
 Checked: DGG  
 Miss Utility Transmittal #:  
 Filename: Acc## - Plan&Profiles.dwg  
 Path: c:\pw\_pl\resorb\0754640  
 Plotted: August 19, 2020  
 Plotted by: ReeseKB  
 Scale: 1" = 25'



Sheet 8 OF 16

Troy Street





**STATION 2+63=MATCHLINE - SEE SHEET 9**

**NOTES:**

- LOCATIONS OF HOUSE SEWER SERVICE LATERALS ARE APPROXIMATE. AT EXISTING SEWER DISCONNECT EXISTING LATERALS AND PLUG AT EXISTING SEWER AS APPROVED BY ARLINGTON COUNTY. CONNECT EXISTING HOUSE SEWER SERVICE LATERALS TO PROPOSED NEW SEWER IN ACCORDANCE WITH ARLINGTON COUNTY PLUMBING CODE AT HOUSE #2737, #2739, 2741, #2743, #2745, #2767.
- GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
- CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
  - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (ALL UTILITY CROSSING).
  - S-2.0 AND 2.1 MANHOLE PRECAST CONCRETE.
  - S-2.4 MANHOLES CHANNEL AND FOUNDATIONS.
  - S-2.5 MANHOLE ADJUSTMENTS TO NEW GRADES.
  - S-3.0 TO 3.2 MANHOLE FRAME AND COVER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UNINTERRUPTED SEWAGE FLOW AND TEMPORARY BYPASS PUMPING. CONTRACTOR TO SUBMIT BYPASS PUMPING PLAN DOCUMENTING MEANS AND METHODS. IT IS ANTICIPATED THAT SEWAGE BYPASS PUMPING WILL DISCHARGE TO EXISTING SANITARY MH 12440, BEFORE FLOWING VIA SEWER UNDER S. GLEBE ROAD (SR 120).



DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WATER, SEWER AND STREETS BUREAU  
 4200 28TH STREET SOUTH  
 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
 FAX: 703.228.6585

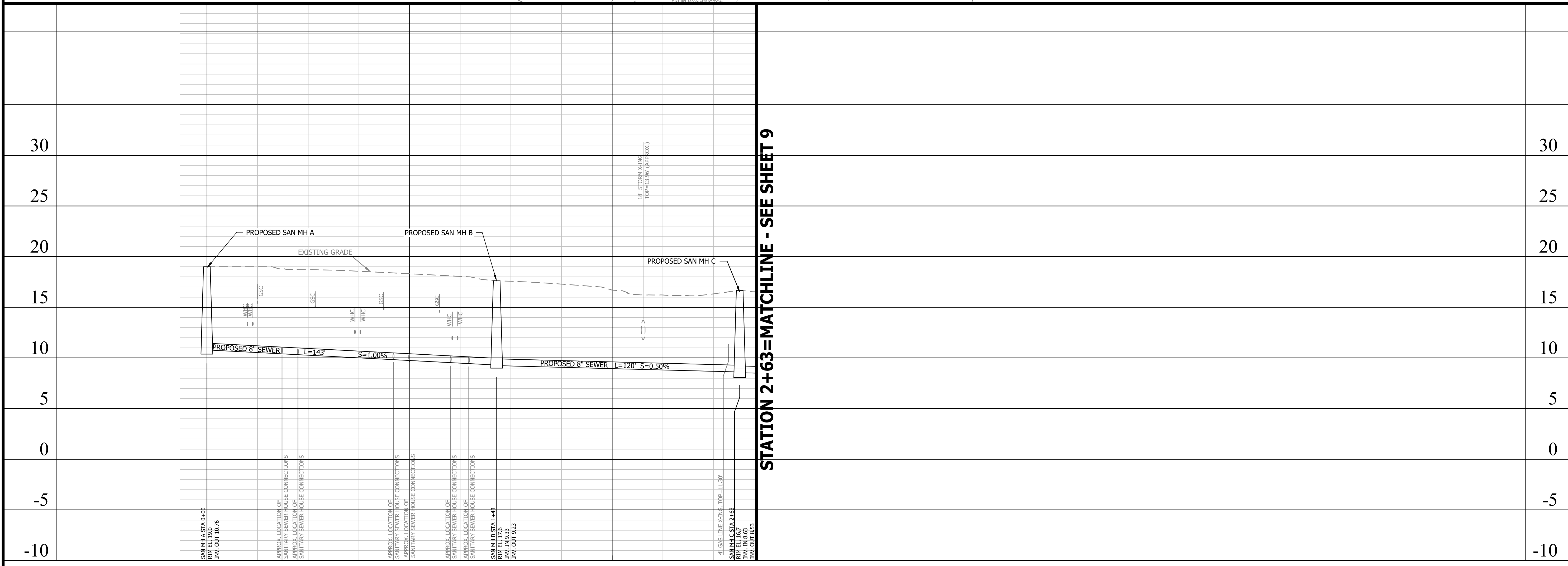
COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Revisions Date



**STATION 2+63=MATCHLINE - SEE SHEET 9**

Project Name and Location

**Troy Street**  
 Water and Sewer Improvements  
 Sewer Line Plan and Profile Sheet  
 S. Uhle Street

Designed: AV  
 Drawn: JJS  
 Checked: DGG  
 Miss Utility Transmittal #:

Filename: Acc## - Plan&Profiles.dwg  
 Path: c:\pw\_g1\res06\0754640  
 Plotted: August 19, 2020  
 Plotted by: ReeseKB

Scale: Hor: 1" = 25'  
 Vert: 1" = 5'

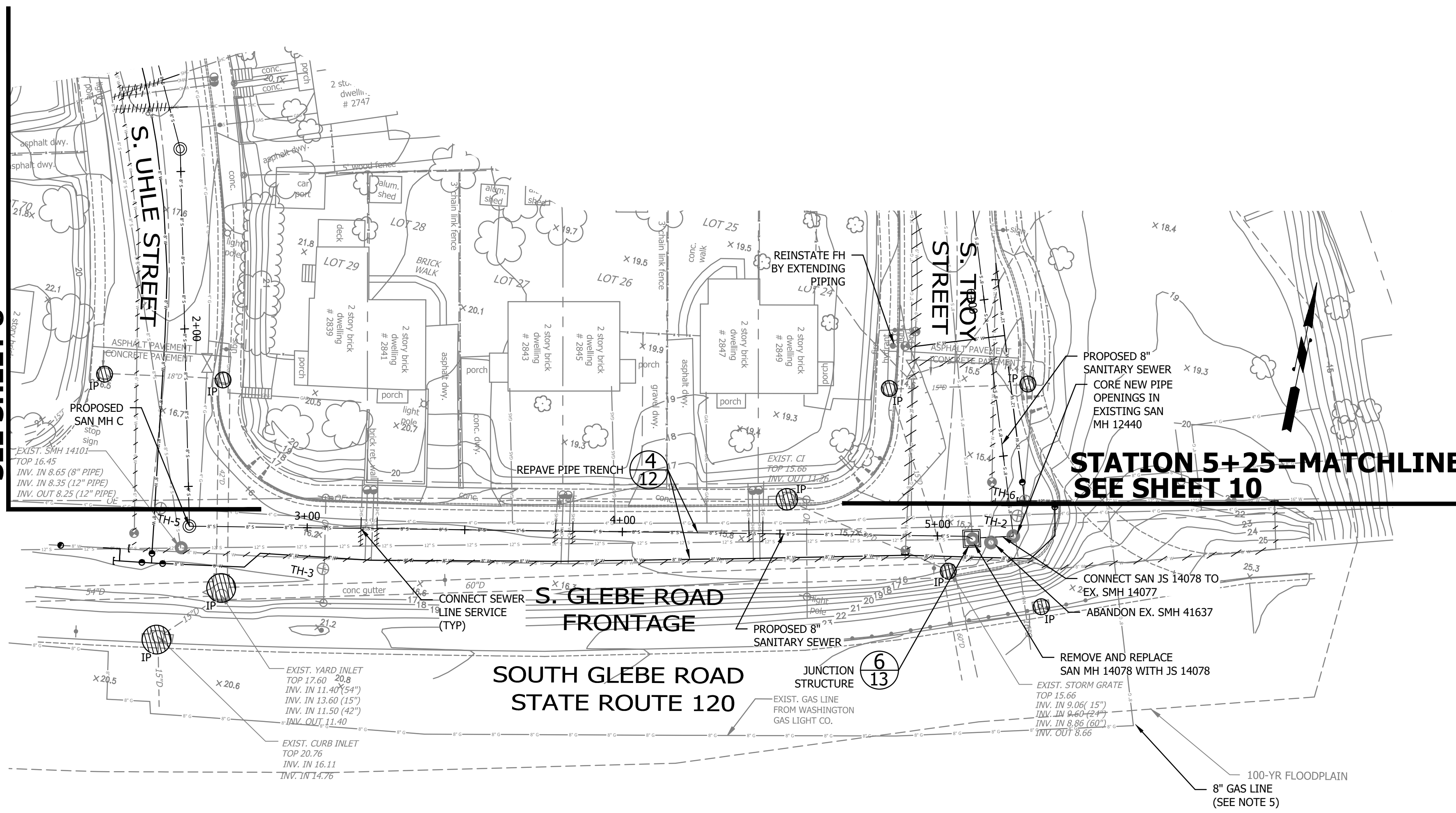


10560 Arrowhead Drive, Suite 500  
 FAIRFAX, VA 22030

Sheet **9 OF 16**

Troy Street

STATION 2+63=MATCHLINE  
- SEE SHEET 8



STATION 5+25=MATCHLINE -  
SEE SHEET 10

NOTES:

- LOCATIONS OF HOUSE SEWER SERVICE LATERALS ARE APPROXIMATE. AT EXISTING SEWER DISCONNECT EXISTING LATERALS AND PLUG AT EXISTING SEWER AS APPROVED BY ARLINGTON COUNTY. CONNECT EXISTING HOUSE SEWER SERVICE LATERALS TO PROPOSED NEW SEWER IN ACCORDANCE WITH ARLINGTON COUNTY PLUMBING CODE AT HOUSE #2737, #2739, 2741, #2743, #2745, #2767.
- GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
- CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
  - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (ALL UTILITY CROSSING).
  - S-2.0 AND 2.1 MANHOLE PRECAST CONCRETE.
  - S-2.4 MANHOLES CHANNEL AND FOUNDATIONS.
  - S-2.5 MANHOLE ADJUSTMENTS TO NEW GRADES.
  - S-3.0 TO 3.2 MANHOLE FRAME AND COVER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UNINTERRUPTED SEWAGE FLOW AND TEMPORARY BYPASS PUMPING. CONTRACTOR TO SUBMIT BYPASS PUMPING PLAN DOCUMENTING MEANS AND METHODS. IT IS ANTICIPATED THAT SEWAGE BYPASS PUMPING WILL DISCHARGE TO EXISTING SANITARY MH 12440, BEFORE FLOWING VIA SEWER UNDER S. GLEBE ROAD (SR 120).
- 8" GAS LINE LOCATION IS APPROXIMATE AND BASED ON WASHINGTON GAS GIS. CONTRACTOR TO VERIFY LOCATION WITH TEST PITS PRIOR TO EXCAVATION AND FIELD ADJUST NEW WORK TO AVOID GAS LINE AS NECESSARY.



DEPARTMENT OF ENVIRONMENTAL SERVICES  
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.7865  
FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

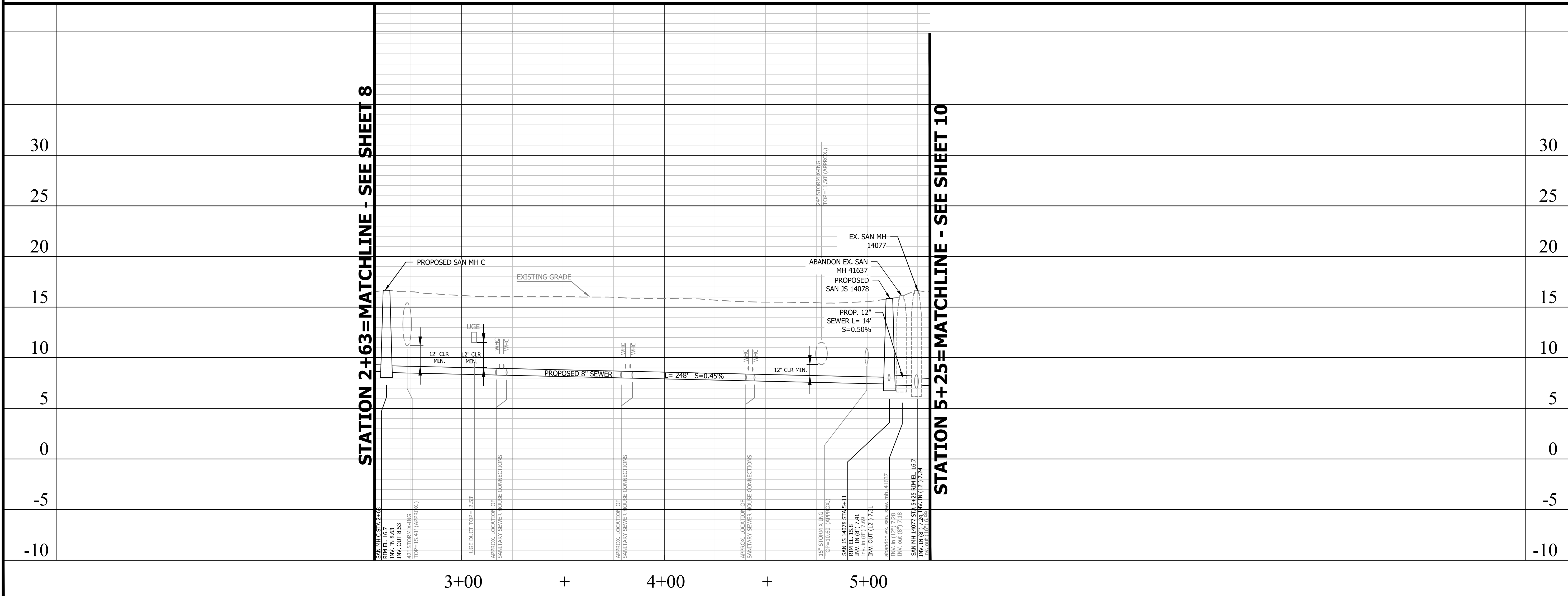


APPROVALS DATE

Revisions Date

STATION 2+63=MATCHLINE - SEE SHEET 8

STATION 5+25=MATCHLINE - SEE SHEET 10



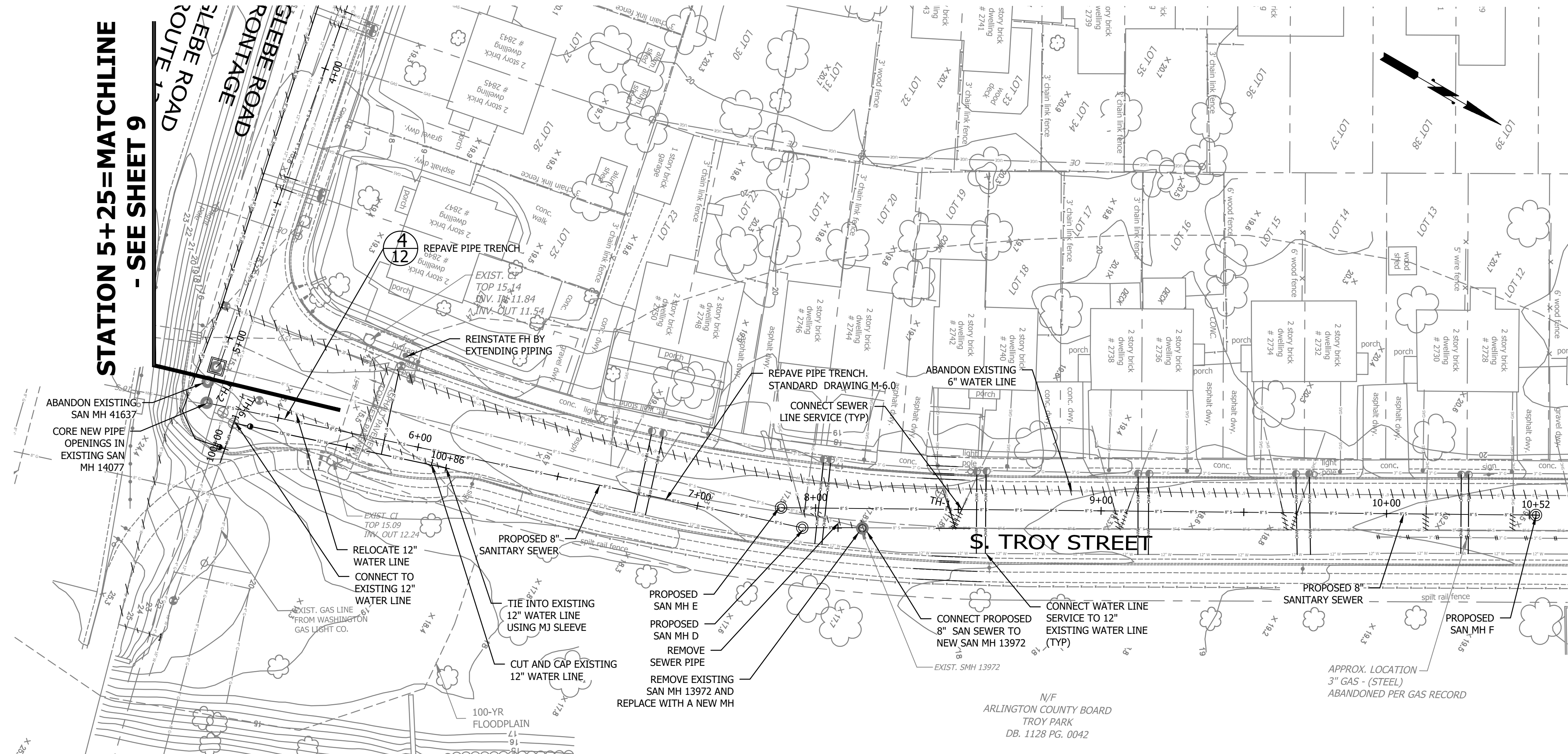
Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Sewer Line Plan and Profile Sheet  
S. Glebe Road Frontage

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:  
Filename: Acc# - Plan&Profiles.dwg  
Path: c:\pw\_pl\resub\00754640  
Plotted: August 19, 2020  
Plotted by: ReeseKB  
Scale: Hor: 1" = 25'  
Vert: 1" = 5'



10560 Arrowhead Drive, Suite 500  
FAIRFAX, VA 22030

STATION 5+25=MATCHLINE  
- SEE SHEET 9



- NOTES:
- LOCATIONS OF HOUSE SEWER SERVICE LATERALS ARE APPROXIMATE. AT EXISTING SEWER DISCONNECT EXISTING LATERALS AND PLUG AT EXISTING SEWER AS APPROVED BY ARLINGTON COUNTY. CONNECT EXISTING HOUSE SEWER SERVICE LATERALS TO PROPOSED NEW SEWER IN ACCORDANCE WITH ARLINGTON COUNTY PLUMBING CODE AT HOUSE #2737, #2739, 2741, #2743, #2745, #2767.
  - GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  - CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (ALL UTILITY CROSSING).
    - S-2.0 AND 2.1 MANHOLE PRECAST CONCRETE.
    - S-2.4 MANHOLES CHANNEL AND FOUNDATIONS.
    - S-2.5 MANHOLE ADJUSTMENTS TO NEW GRADES.
    - S-3.0 TO 3.2 MANHOLE FRAME AND COVER.
  - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UNINTERRUPTED SEWAGE FLOW AND TEMPORARY BYPASS PUMPING. CONTRACTOR TO SUBMIT BYPASS PUMPING PLAN DOCUMENTING MEANS AND METHODS. IT IS ANTICIPATED THAT SEWAGE BYPASS PUMPING WILL DISCHARGE TO EXISTING SANITARY MH 12440, BEFORE FLOWING VIA SEWER UNDER S. GLEBE ROAD (SR 120).



DEPARTMENT OF ENVIRONMENTAL SERVICES  
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.7865  
FAX: 703.228.6585

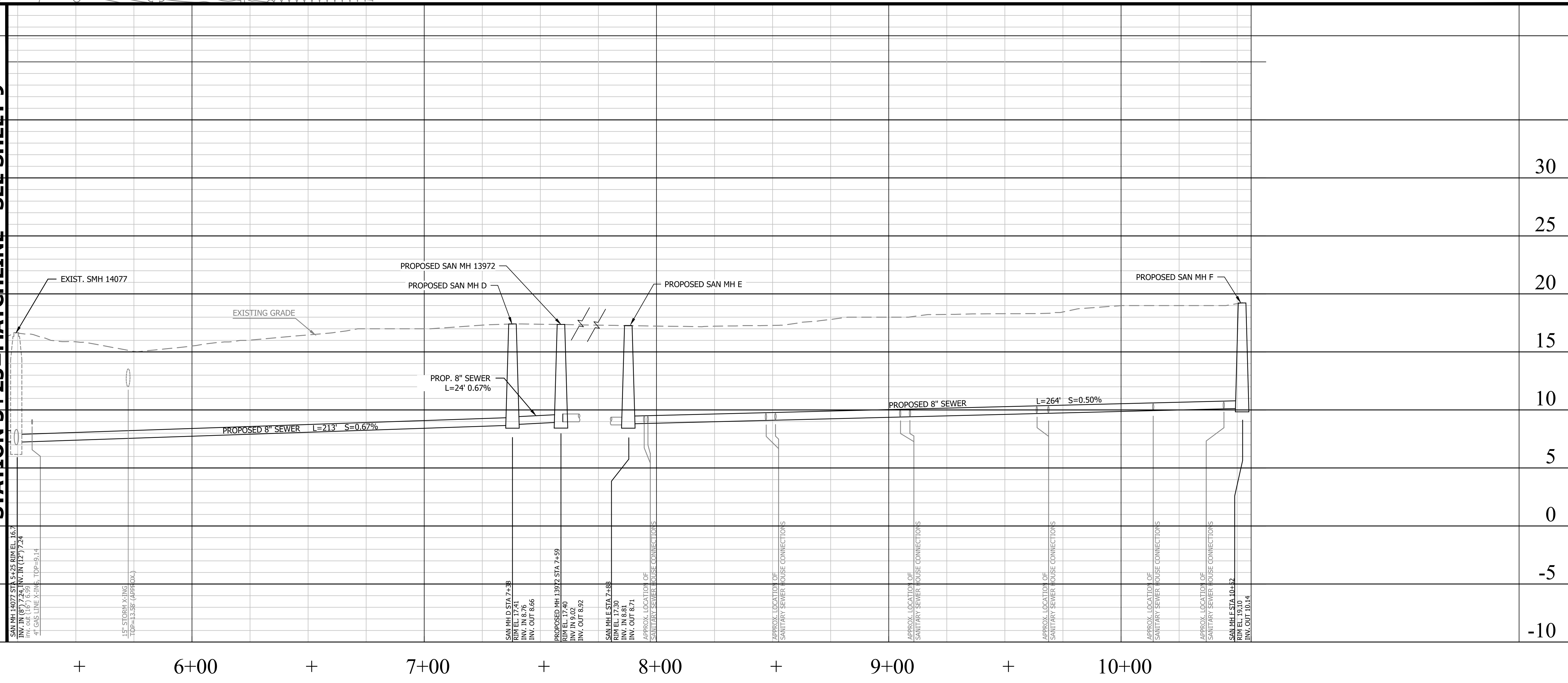
COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED



APPROVALS \_\_\_\_\_ DATE \_\_\_\_\_

Revisions	Date

STATION 5+25=MATCHLINE - SEE SHEET 9



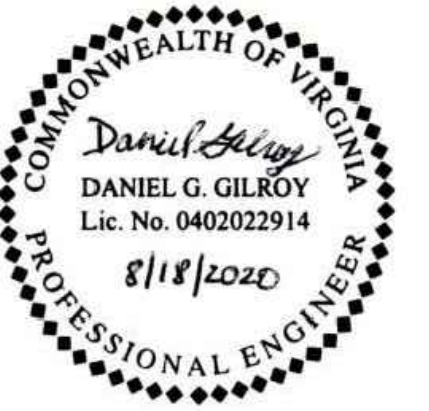
Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Sewer Line Plan and Profile Sheet  
S. Troy Street

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:  
Filename: Acc## - Plan&Profiles.dwg  
Path: c:\pw\_gi\res06\00754840  
Plotted: August 19, 2020  
Plotted by: ReeseKB  
Scale: Hor: 1" = 25'  
Vert: 1" = 5'



10500 Arrowhead Drive, Suite 500  
FAIRFAX, VA 22030

SEAL



APPROVALS DATE

Revisions Date

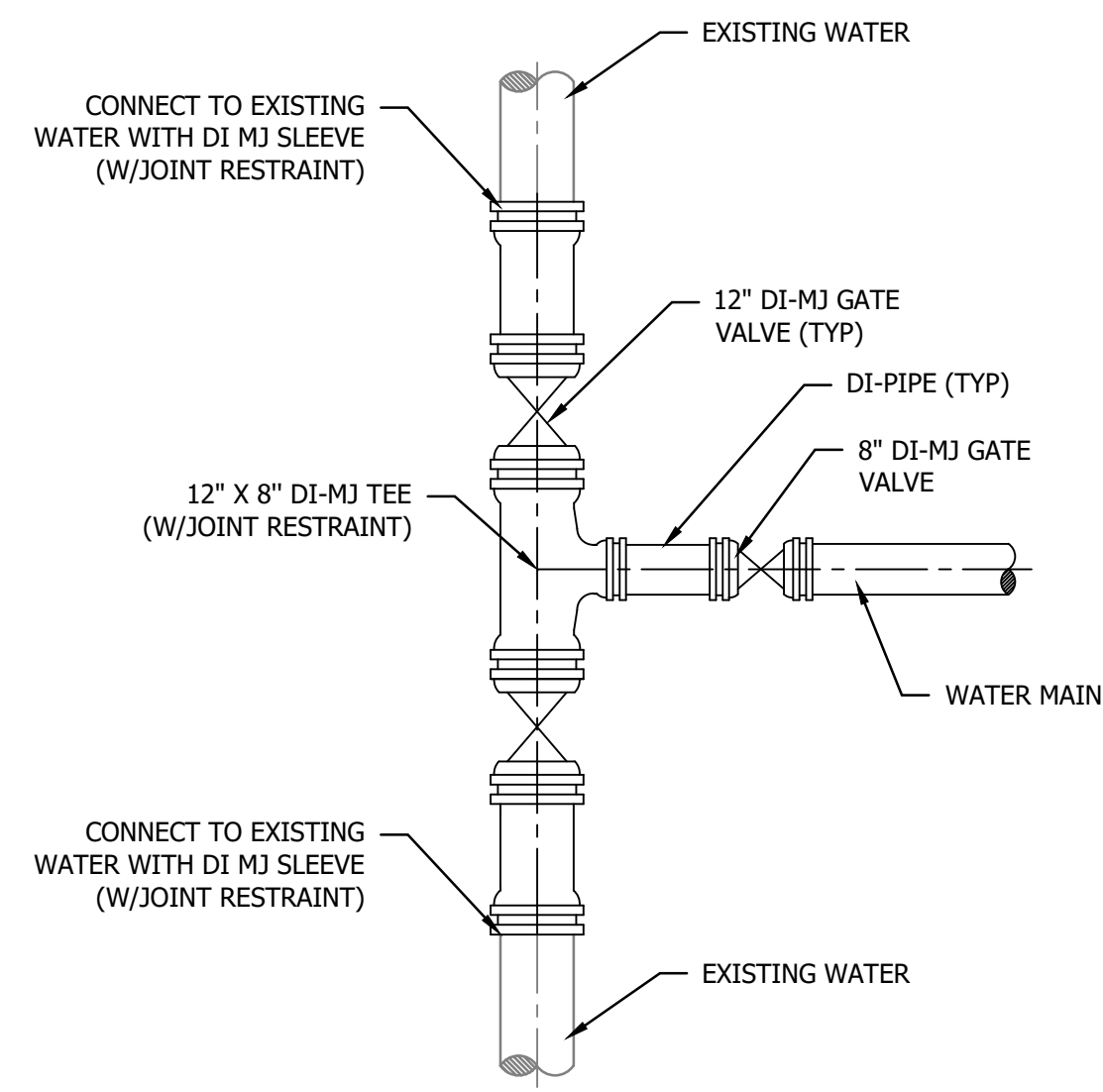
Revisions	Date

Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Details Sheet 1

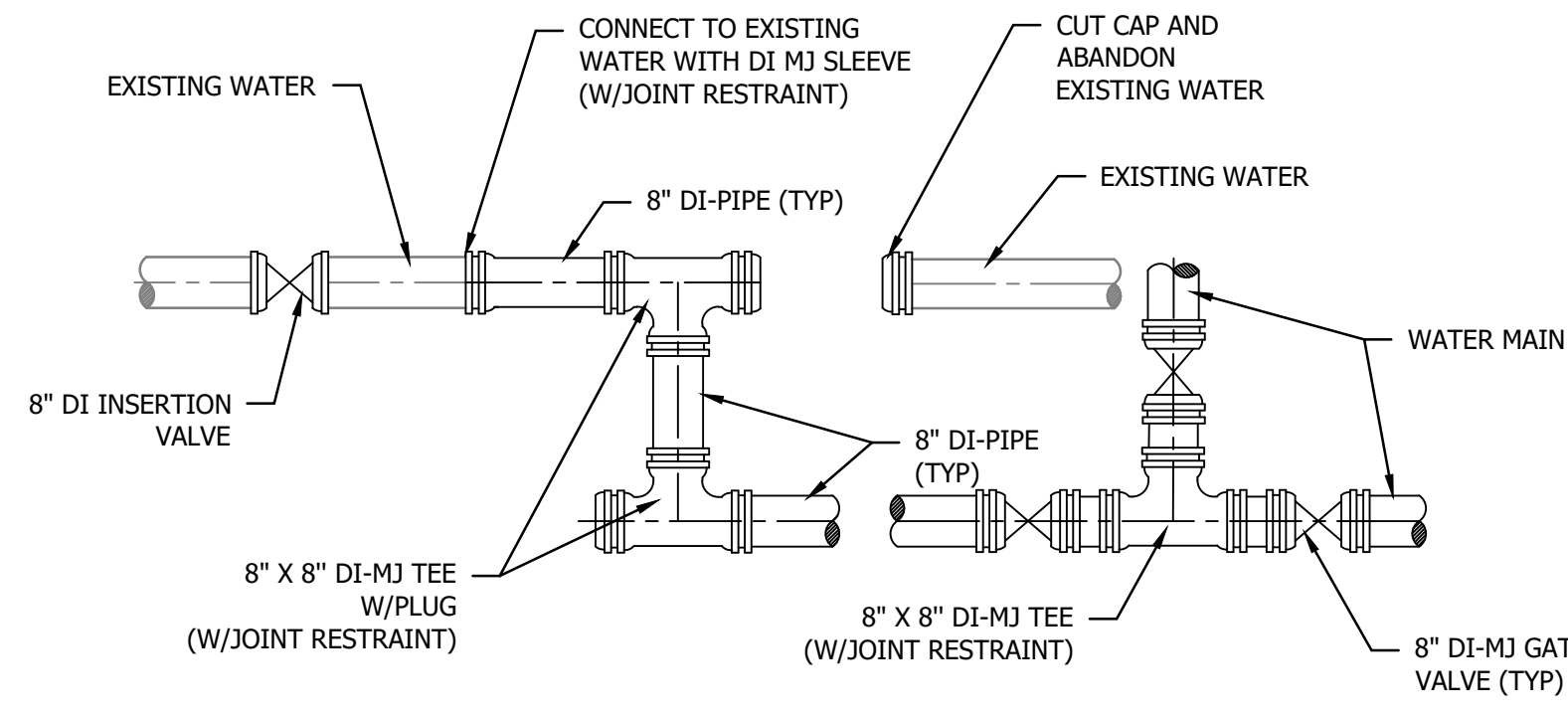
Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:

Filename: Acc## - Details.dwg  
Path: c:\pw\_p\11resab\0754640  
Plotted: August 19, 2020  
Plotted by: ReeseKB

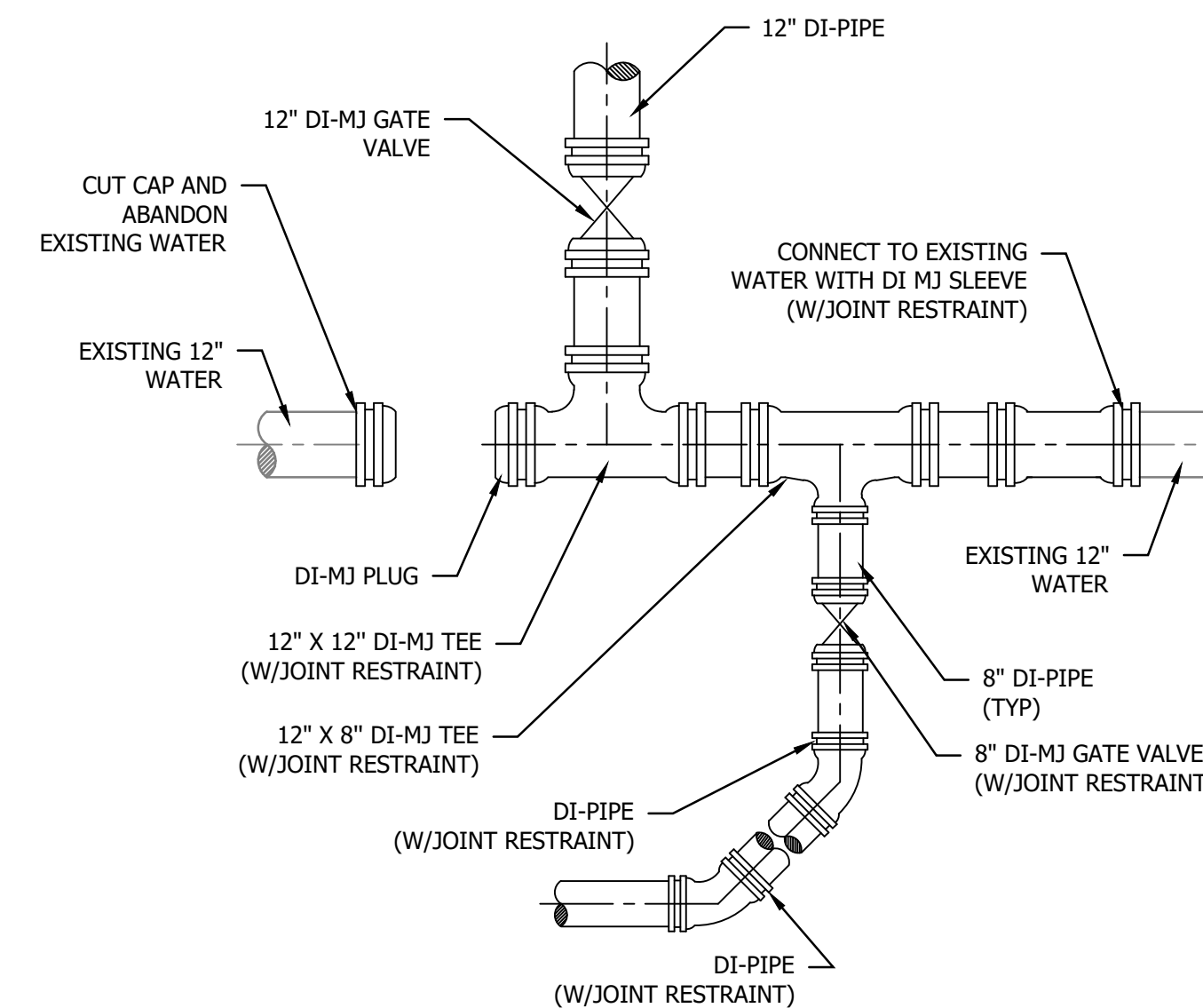
Scale: 1" = 25'



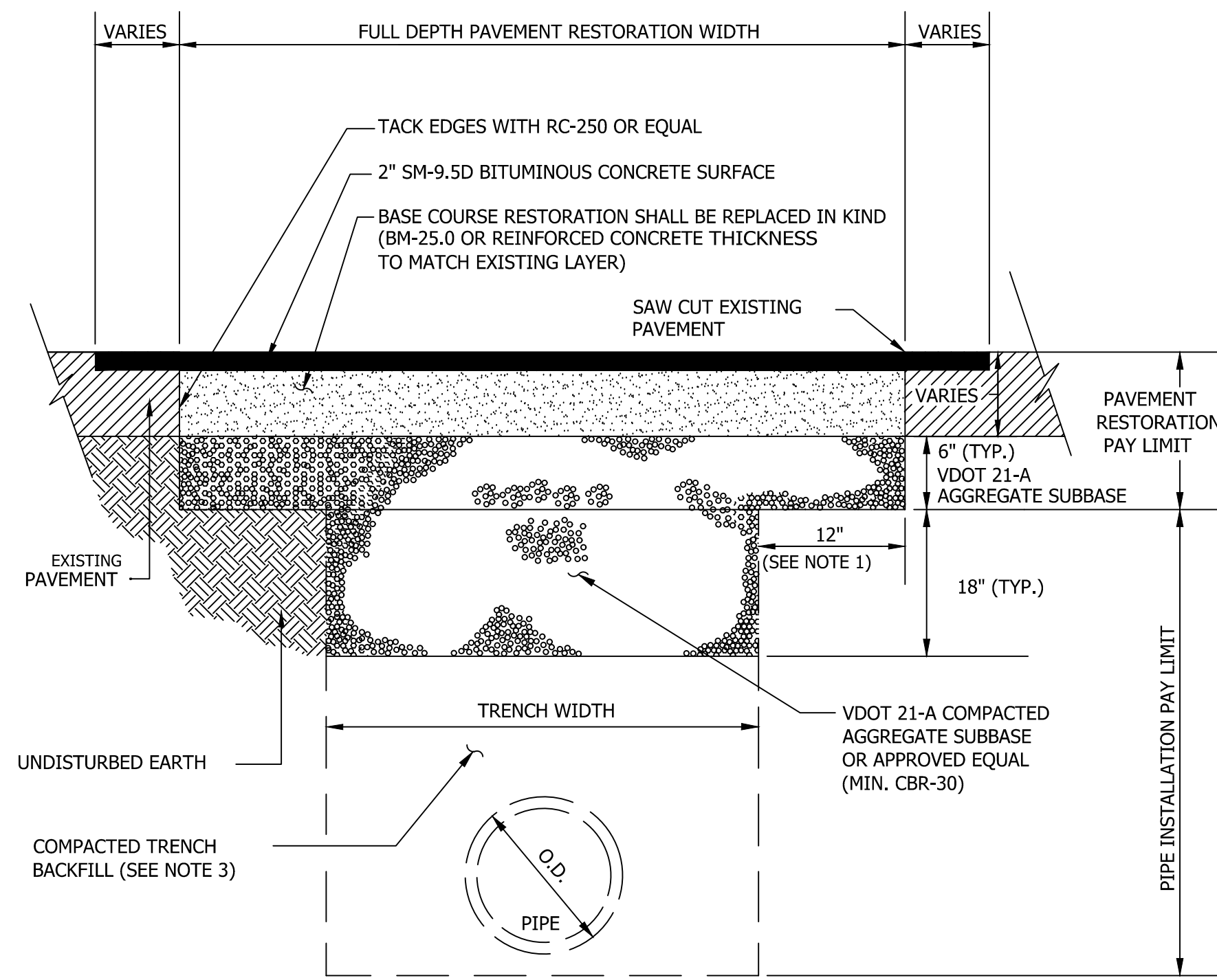
**1** CONNECTION TO EXISTING WATER MAIN  
SCALE: N.T.S.



**2** CONNECTION TO EXISTING WATER MAIN  
SCALE: N.T.S.



**3** CONNECTION TO EXISTING WATER MAIN  
SCALE: N.T.S.



TYPICAL SECTION

**NOTES :**

1. WHEN THE DISTANCE FROM THE EDGE OF EXISTING PAVEMENT TO THE EDGE OF THE PAVEMENT RESTORATION PAYMENT WIDTH IS 3' OR LESS THEN THE ADDITIONAL SURFACE COURSE PAVEMENT SHALL BE REMOVED AND REPLACED BACK TO THE EDGE.
2. WHEN WIDENING OR PATCHING A STREET WITH ASPHALT, A NEAT, CLEAN JOINT OF AT LEAST ONE (1) INCH IN DEPTH BETWEEN OLD AND NEW PAVEMENT SHALL BE PROVIDED FOR TOPPING SO AS TO ELIMINATE THE NEED FOR FEATHERING OF THE OVERLAY.
3. FOR TRENCH AND BEDDING DETAILS, SEE ARLINGTON COUNTY STANDARDS DRAWING M-3.0.
4. WHEN THE UTILITY TRENCH REQUIRES SHEETING & SHORING, A WIDER PAYMENT WIDTH MAY BE APPROVED BY THE ENGINEER TO ACCOMMODATE TRENCH BOX.

**4** CONCRETE PAVEMENT RESTORATION DETAIL  
N.T.S.

BENCHMARK DATA				
STATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
107	432850.96	2406507.18	23.25	PIPE & CAP
200	432560.41	2406656.42	19.56	PIPE & CAP
201	432660.21	2406278.38	23.17	PIPE & CAP
203	432458.16	2406394.86	21.21	PIPE & CAP

**NOTES**

1. SURVEY COMPLETED JUNE 2017.
2. HORIZONTAL DATUM IS NAD 27. VERTICAL DATUM NGVD 29.

SEAL



APPROVALS DATE

Revisions Date

Revisions	Date

Project Name and Location

**Troy Street**  
Water and Sewer Improvements  
Details Sheet 2

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:

Filename: Acc## - Details.dwg  
Path: c:\pw\_sl\reskb\0754640  
Plotted: August 19, 2020  
Plotted by: ReeseKB

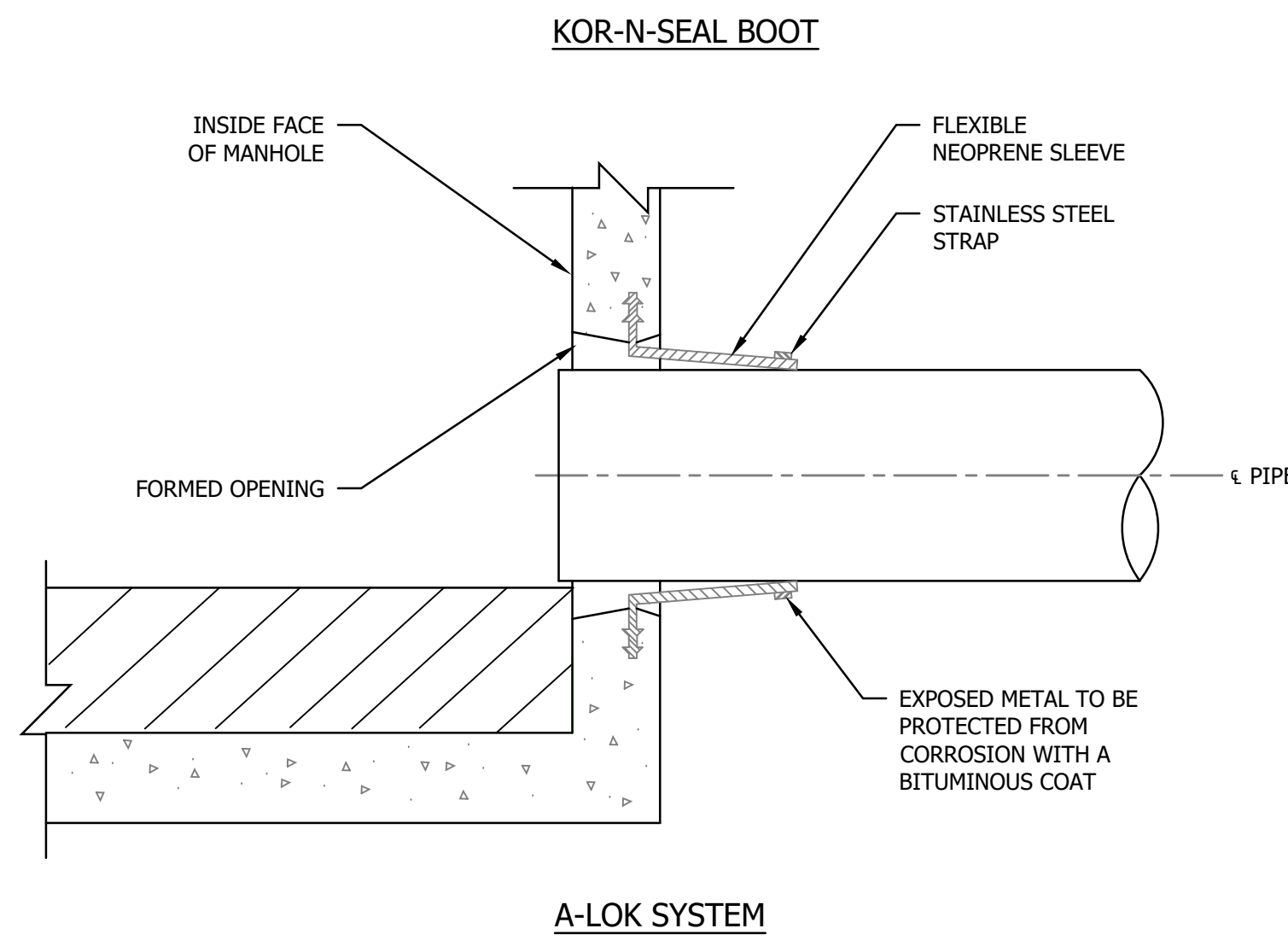
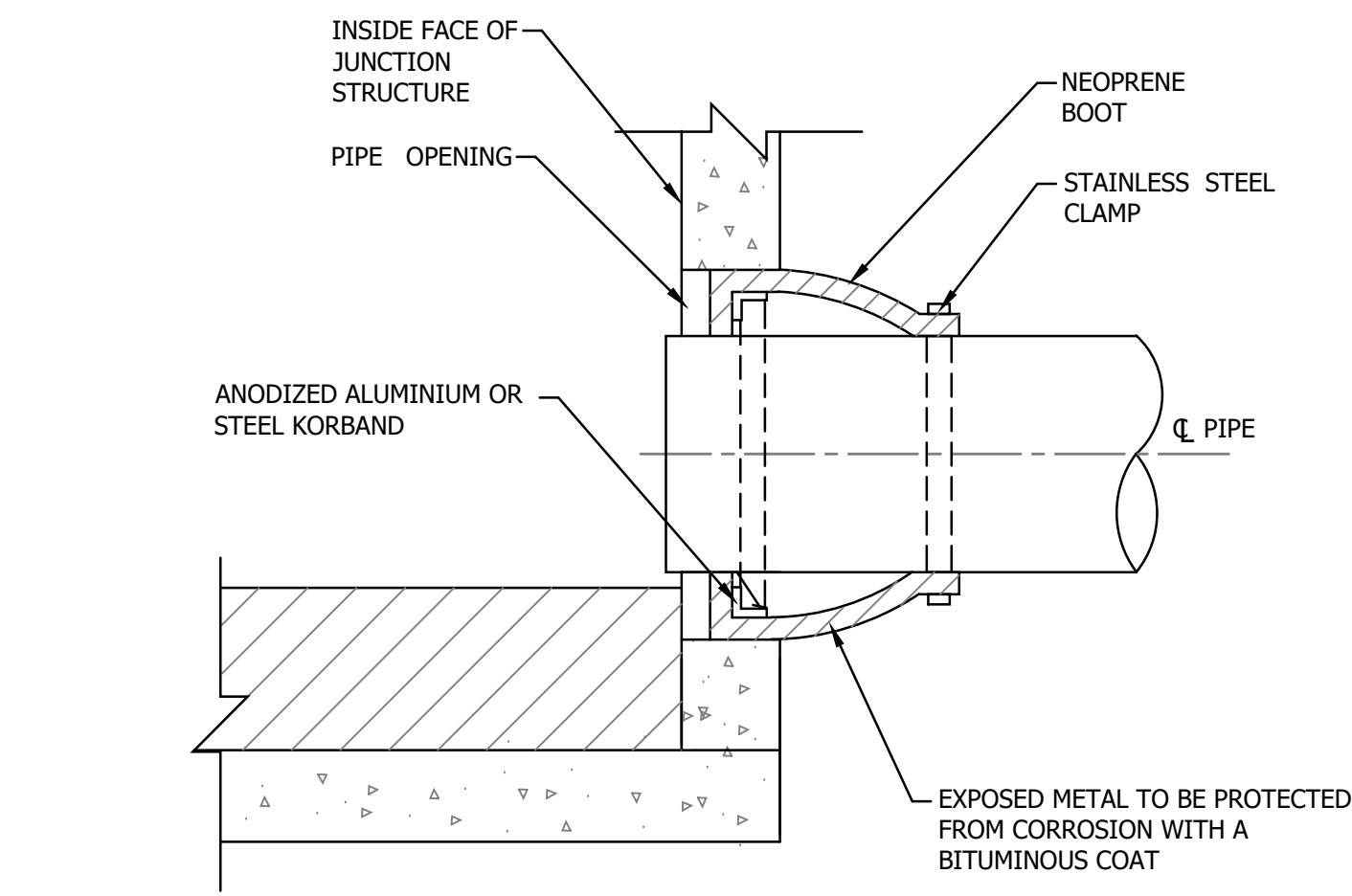
Scale: 1" = 25'



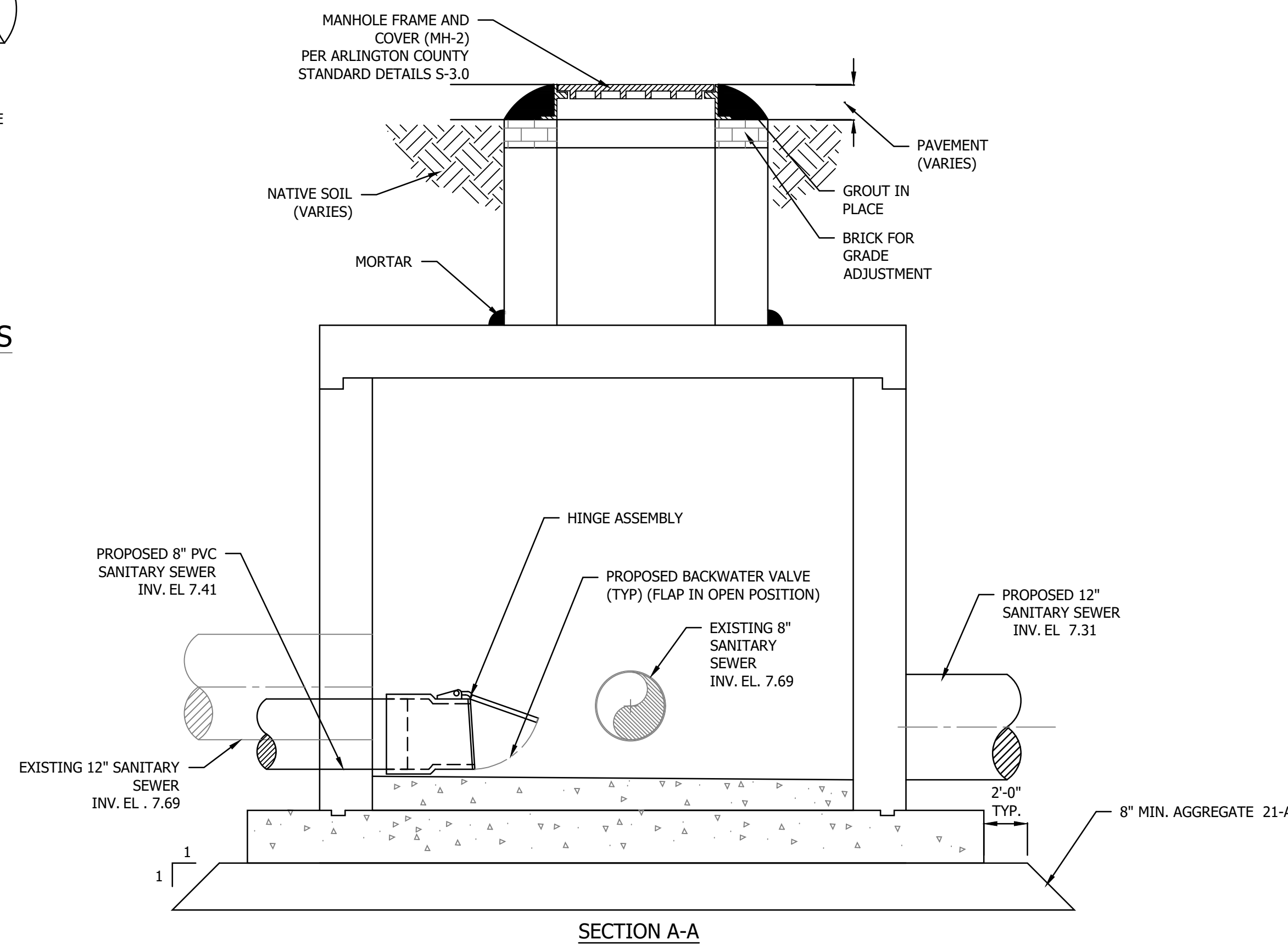
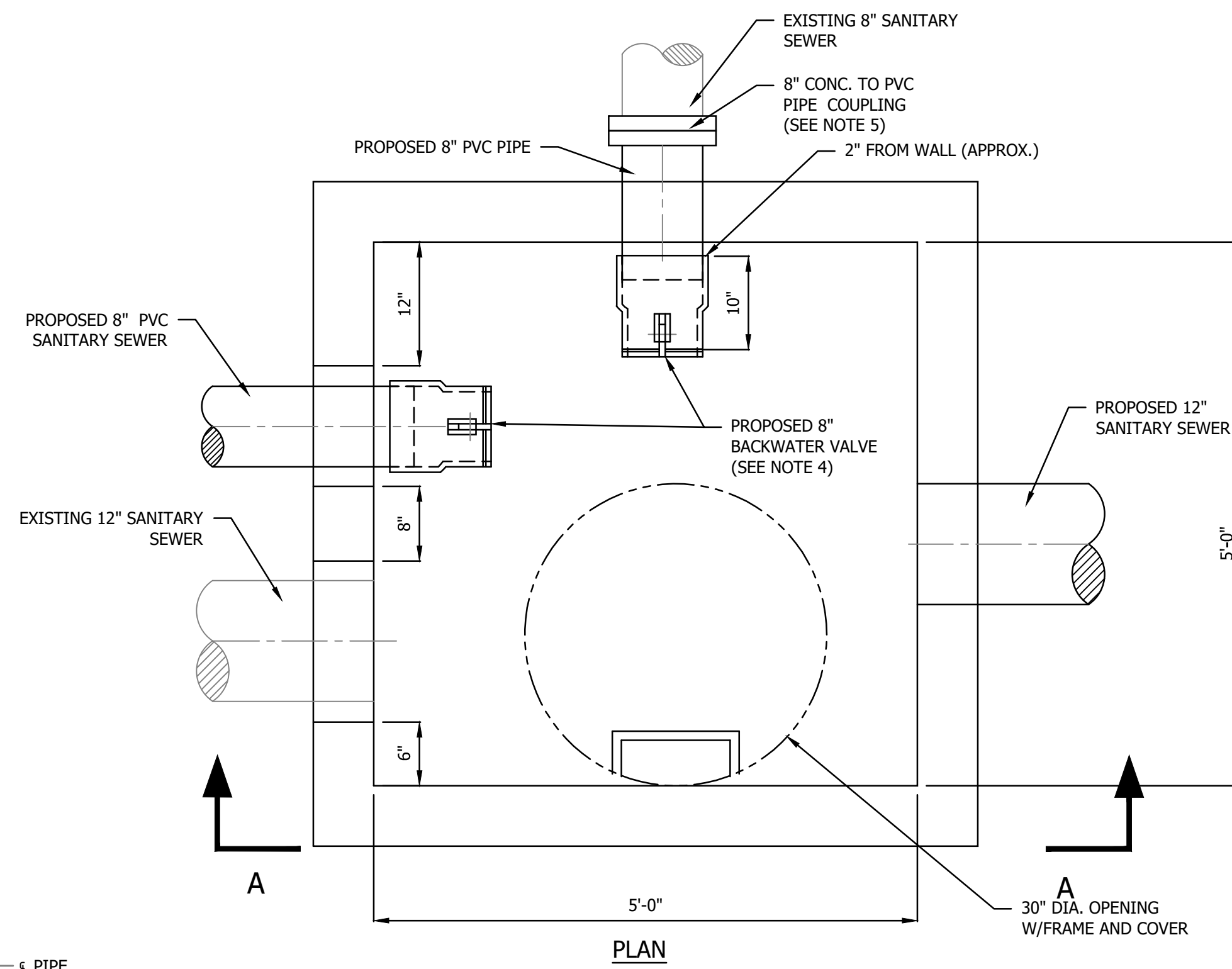
Sheet

13 OF 16

Troy Street



**5 FLEXIBLE SLEEVE PIPE CONNECTIONS**  
SCALE: N.T.S.



**6 5'-0" x 5'-0" PRECAST REINFORCED CONCRETE JUNCTION STRUCTURE 14078**  
SCALE: N.T.S.

NOTES

1. PRECAST JUNCTION STRUCTURE MEET THE LOADING CLASS HS20-44 AS PER VDOT ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY PROFESSIONAL ENGINEER FOR ALL COMPONENTS PROPOSED INCLUDING THE PRECAST CONCRETE JUNCTION STRUCTURE, TO ARLINGTON COUNTY AS A FORMAL SUBMITTAL PRIOR TO INSTALLATION. INCLUDE BUOYANCY CALCULATIONS IN SUBMITTAL.
3. CONCRETE INVERT SHALL BE POURED AFTER INSTALLATION PER ARLINGTON COUNTY STANDARD DETAIL S-2.4.
4. INSTALL PVC TERMINAL BACKWATER VALVE ON TWO 8" PVC SEWER PIPES ENTERING JUNCTION STRUCTURE. PROVIDE HUB AND FLAP VALVE PER ITEM P0208.S BY ROYAL BUILDING PRODUCTS, OR EQUAL.
5. EXISTING 8" SEWER PIPE ENTERING JUNCTION STRUCTURE EXPECTED TO BE CONCRETE MATERIAL. CONTRACTOR TO FIELD VERIFY.

SEAL



APPROVALS DATE

Revisions Date

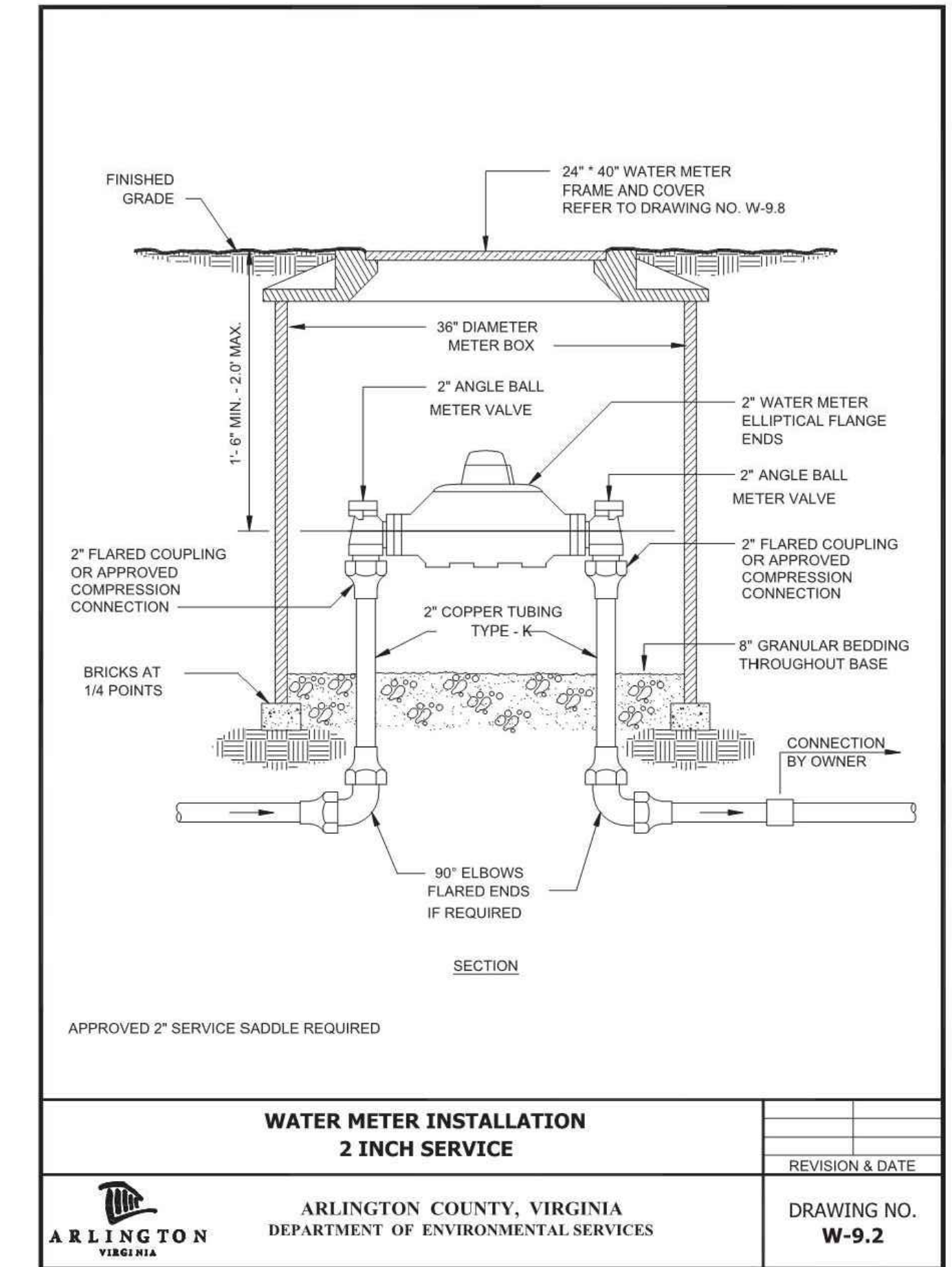
REVISION & DATE	REVISION & DATE

Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Details Sheet 3

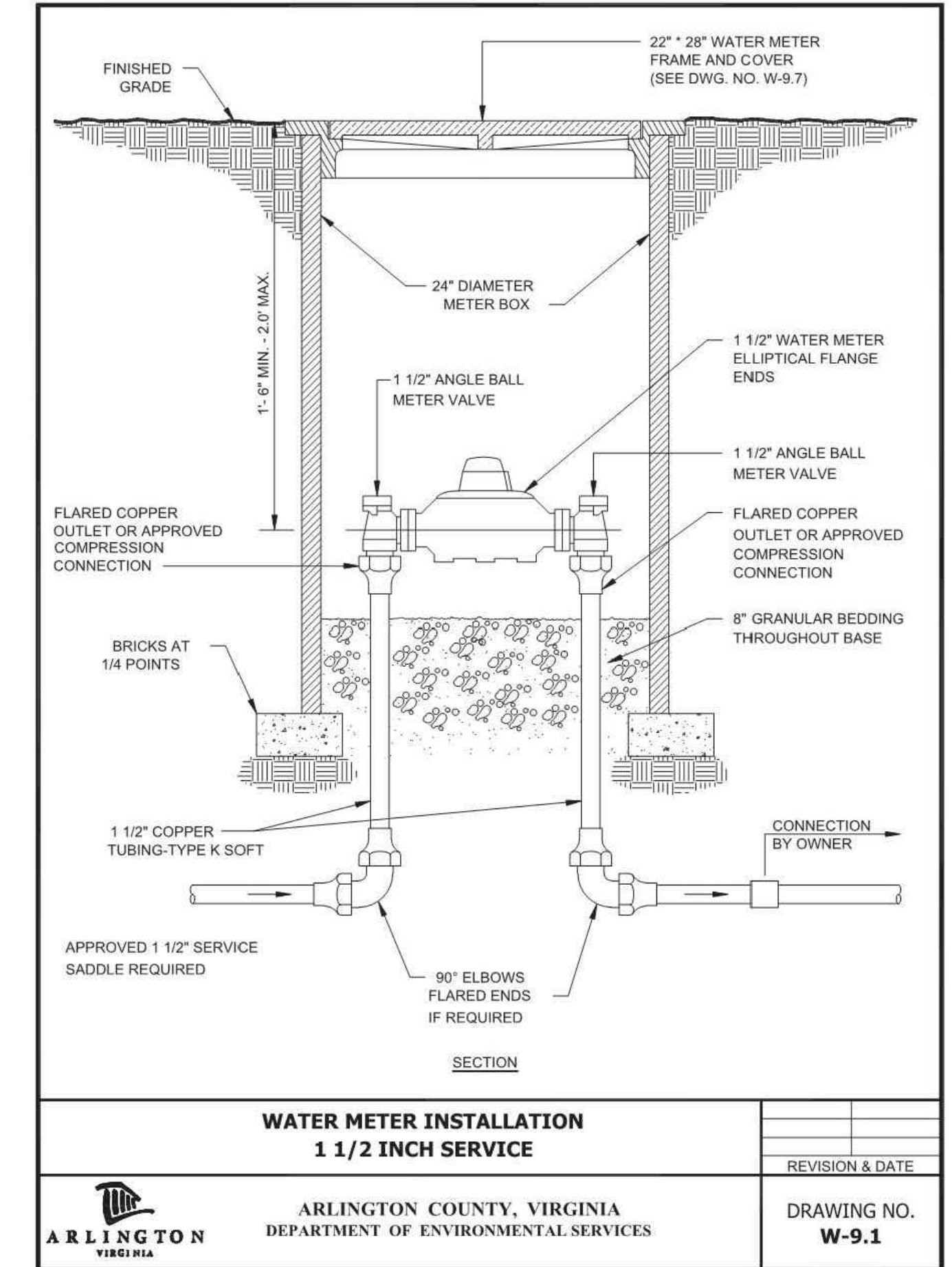
Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:

Filename: Acc# - Details.dwg  
Path: c:\pw\_d\freeseab\075640  
Plotted: August 19, 2020  
Plotted by: ReeseKB

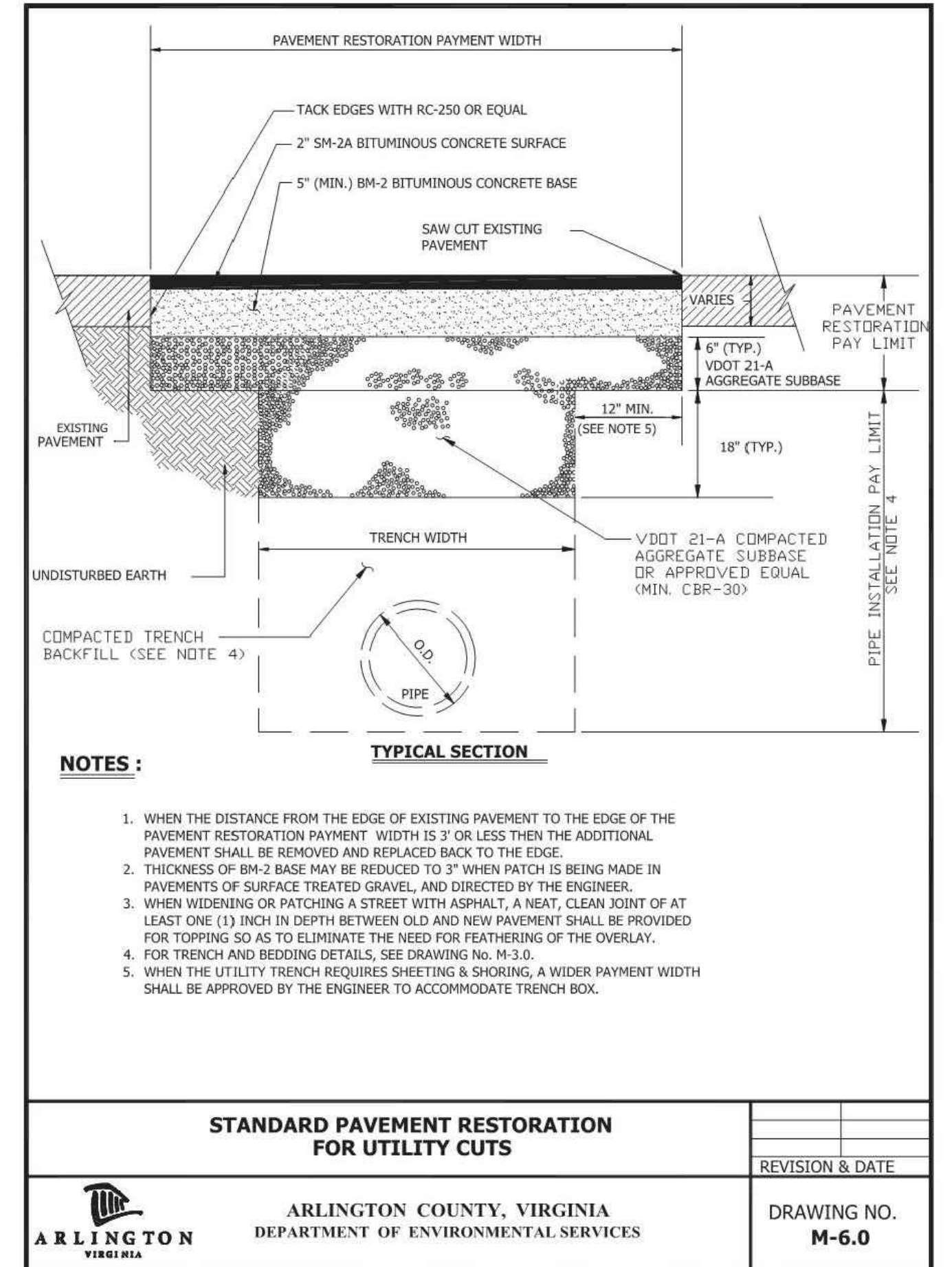
Scale: N/A



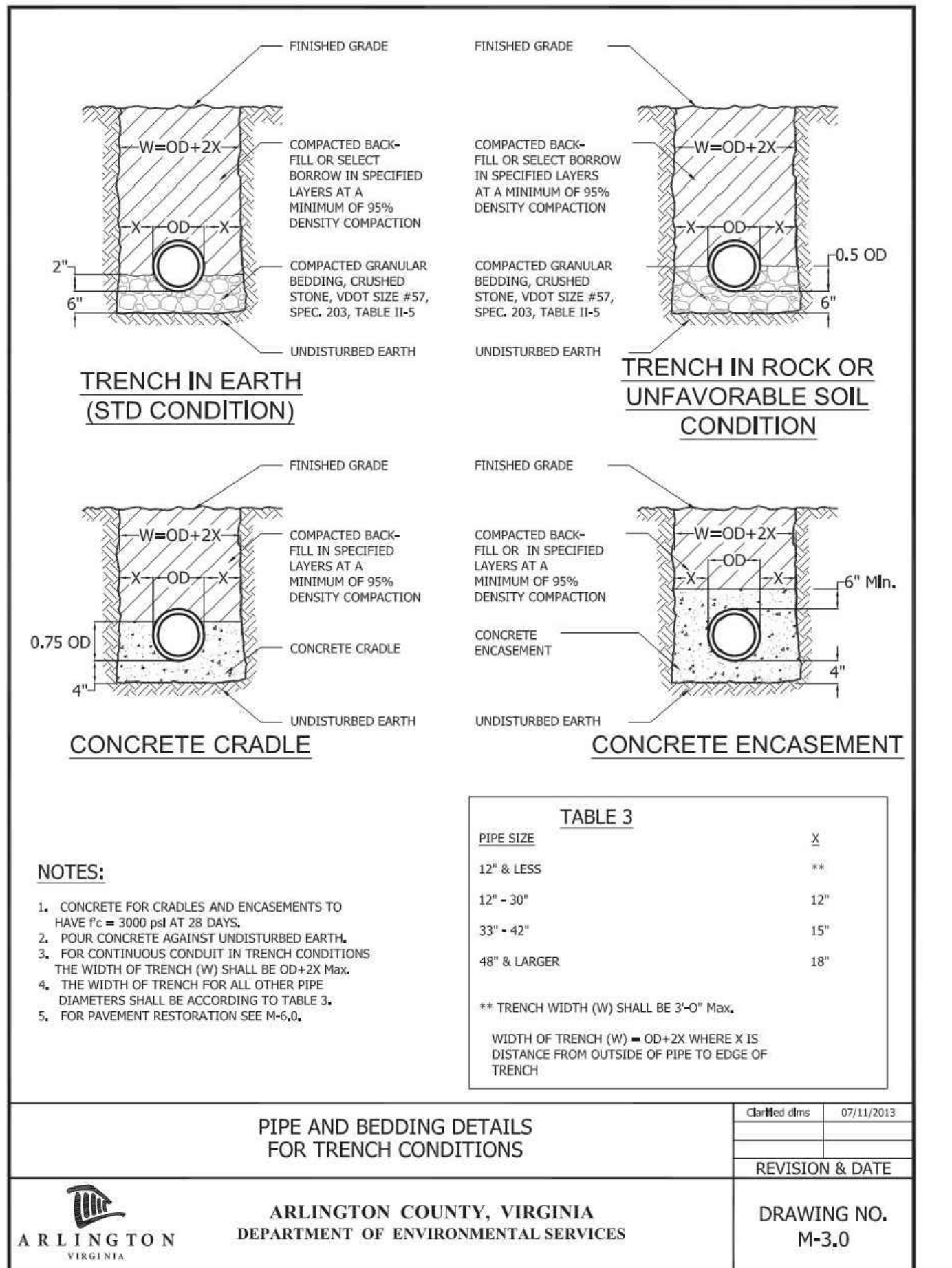
WATER METER INSTALLATION 2 INCH SERVICE	REVISION & DATE
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	DRAWING NO. <b>W-9.2</b>



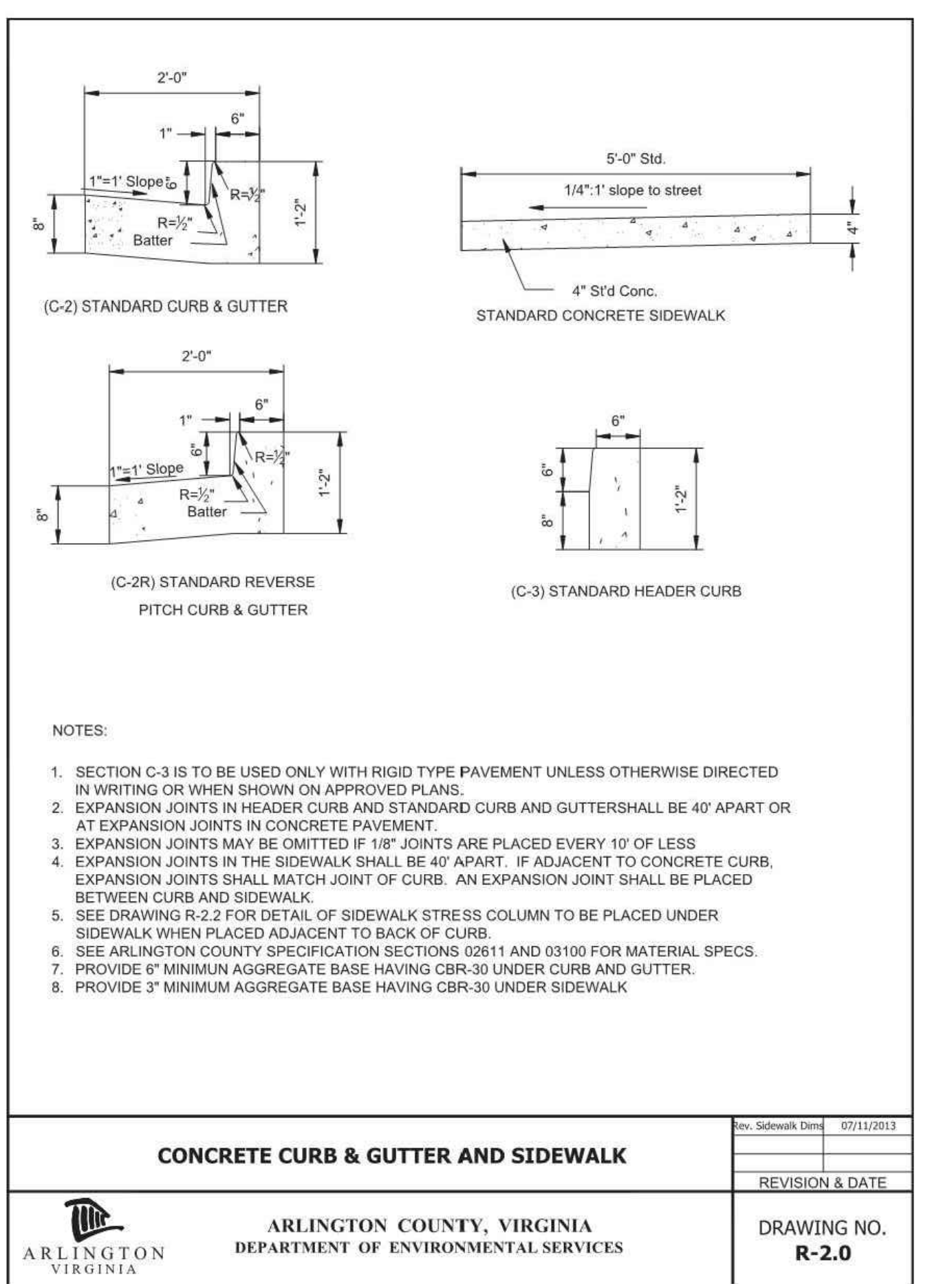
WATER METER INSTALLATION 1 1/2 INCH SERVICE	REVISION & DATE
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	DRAWING NO. <b>W-9.1</b>



STANDARD PAVEMENT RESTORATION FOR UTILITY CUTS	REVISION & DATE
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	DRAWING NO. <b>M-6.0</b>



PIPE AND BEDDING DETAILS FOR TRENCH CONDITIONS	REVISION & DATE
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	DRAWING NO. <b>M-3.0</b>



CONCRETE CURB & GUTTER AND SIDEWALK	REVISION & DATE
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES	DRAWING NO. <b>R-2.0</b>



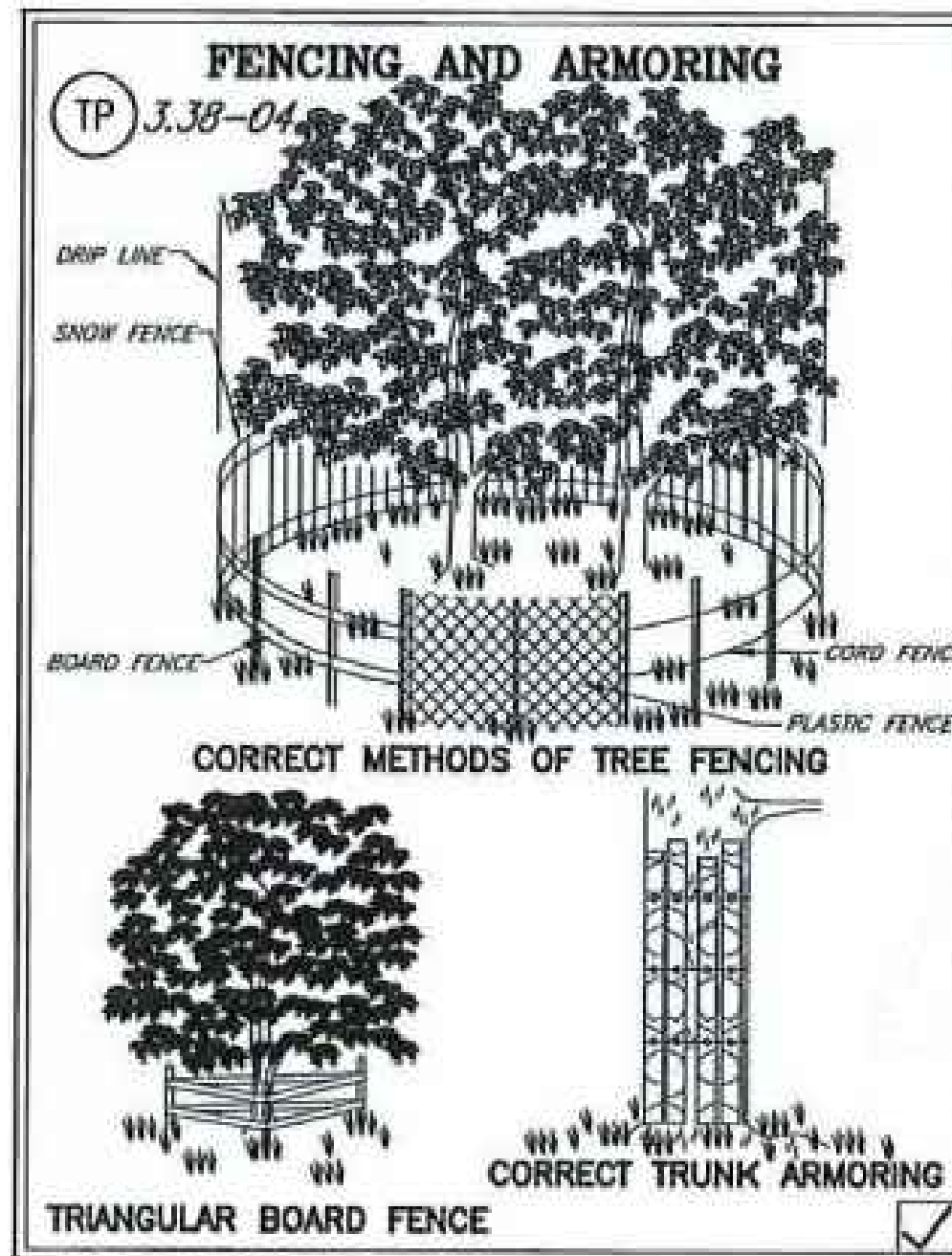
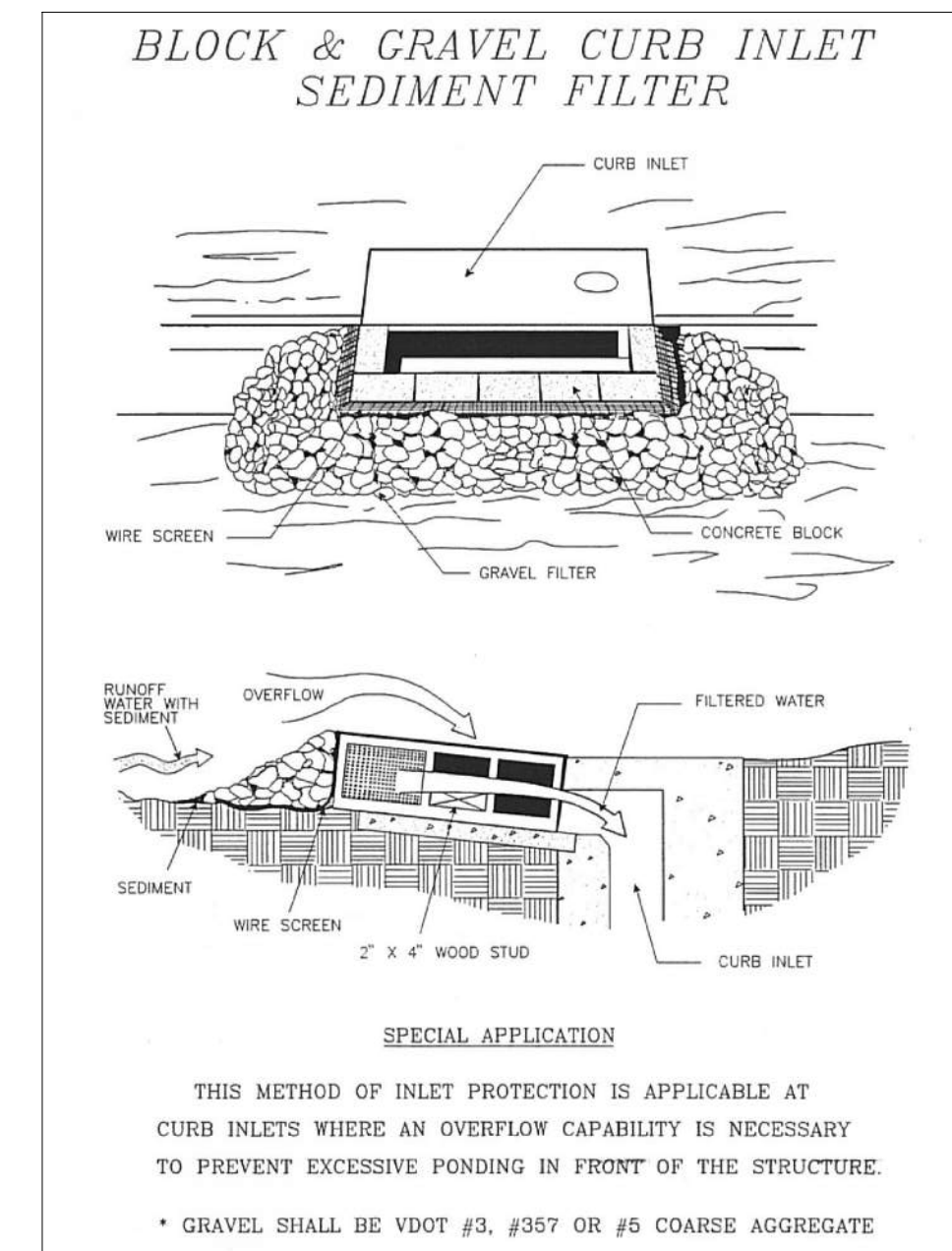
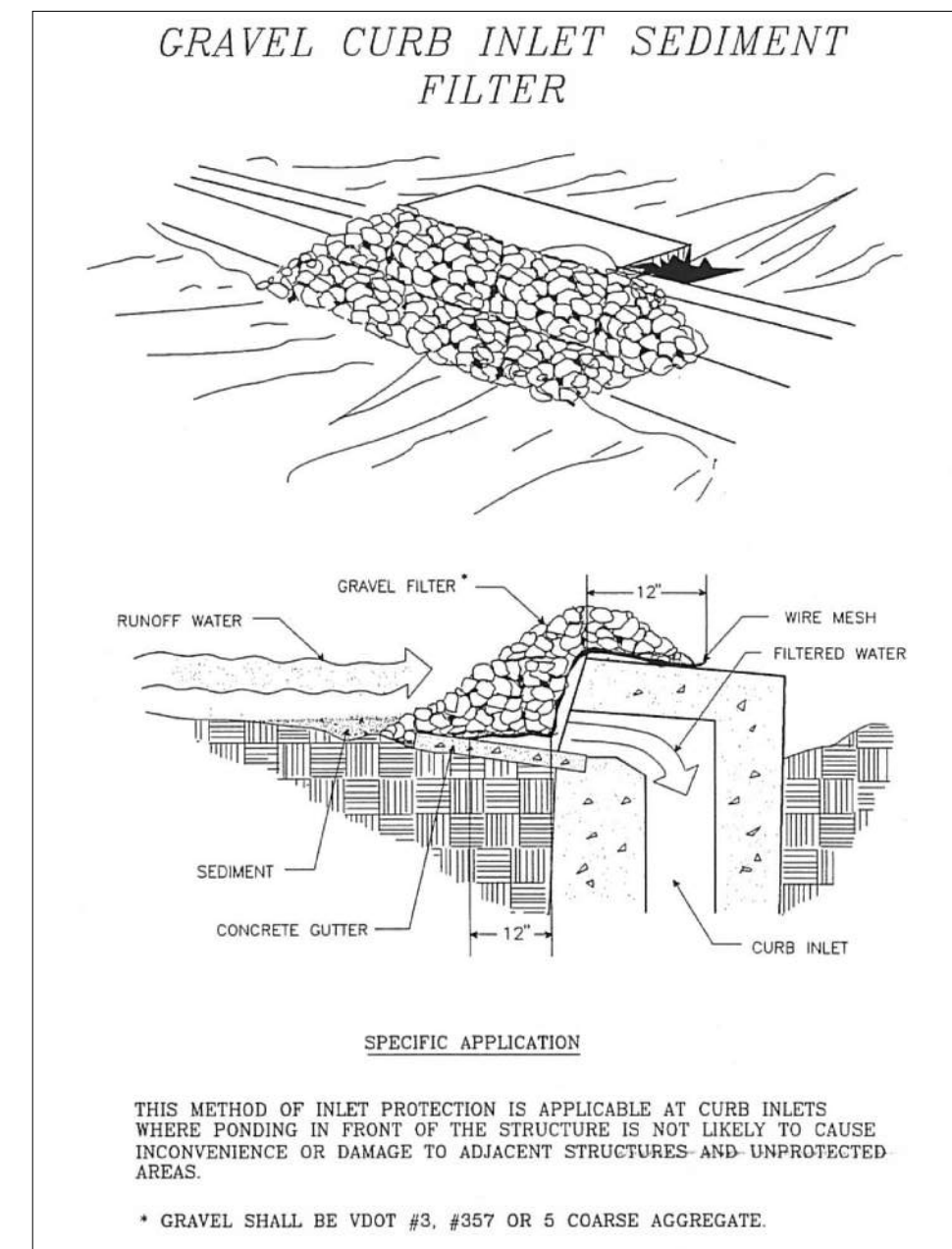
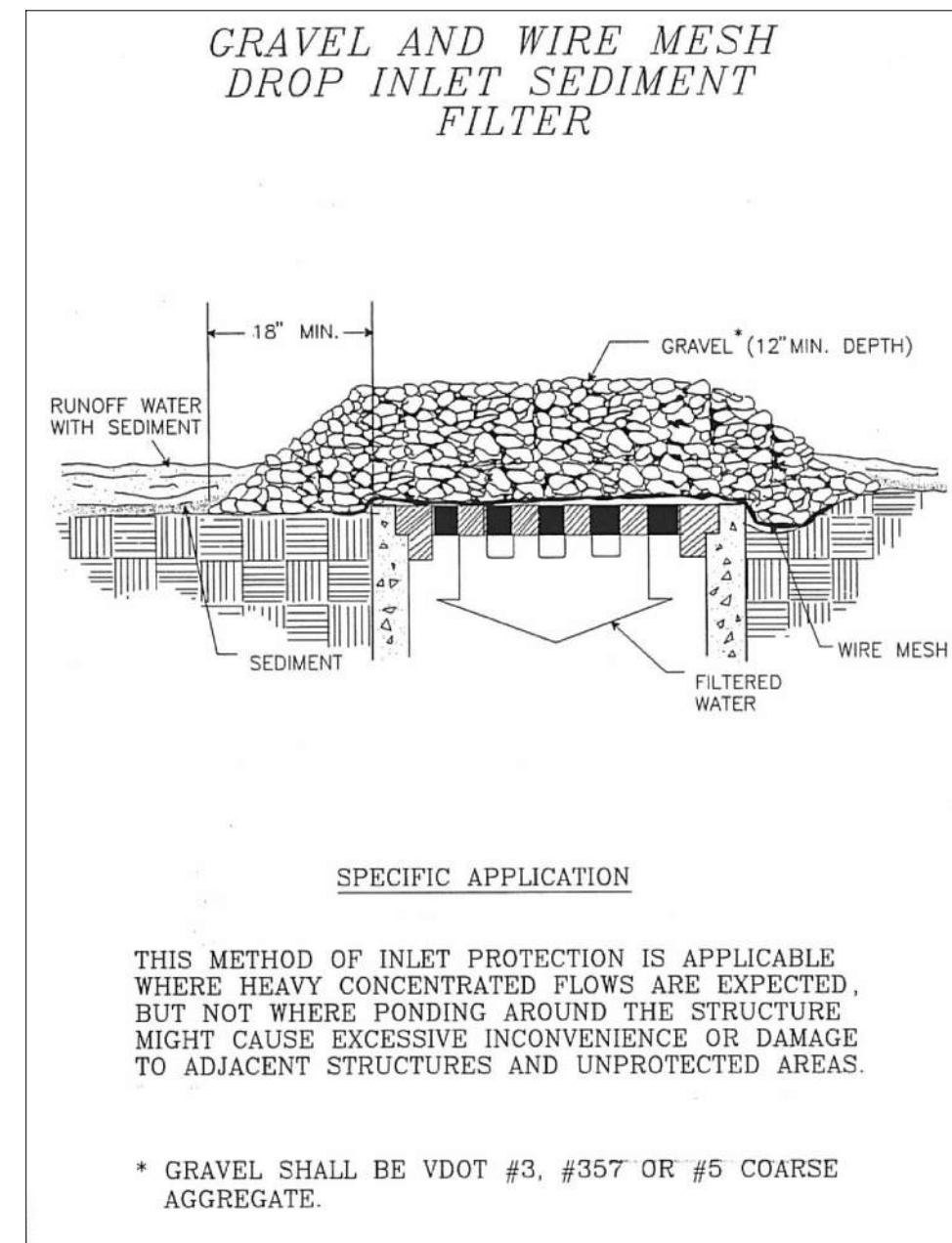
# EROSION AND SEDIMENT CONTROL

## I. EROSION CONTROL NARRATIVE

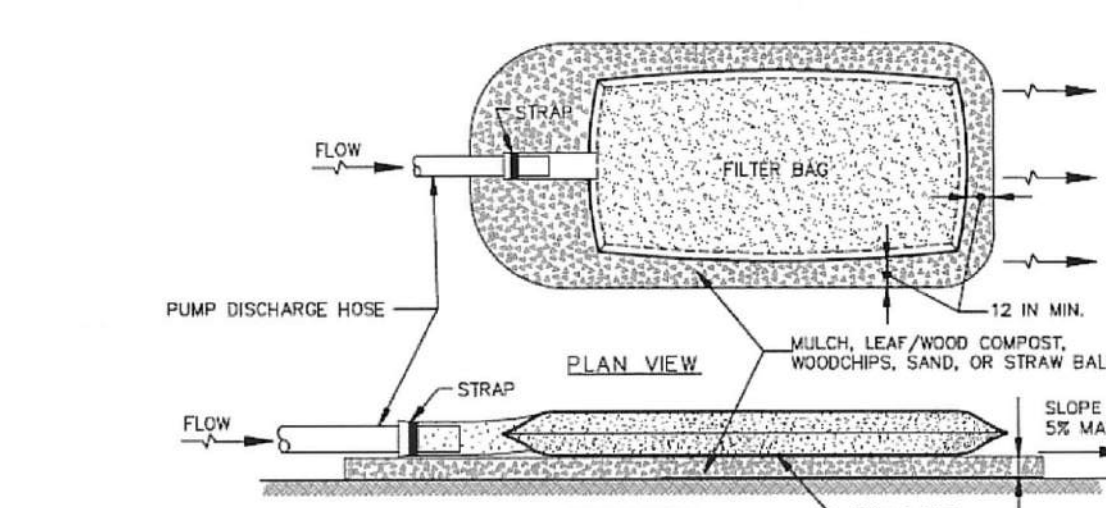
PRIOR TO ANY LAND DISTURBING OPERATIONS, THE EROSION CONTROLS, AS SPECIFIED BY THE ENGINEERING PLANS, SHALL BE INSTALLED. ALL MECHANICAL AND VEGETATIVE PRACTICES SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS CONTAINED IN THE ARLINGTON COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE AND THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. SLOPE AREAS THAT CANNOT BE ADEQUATELY STABILIZED BY SEEDING, SHALL BE SODDED AND STAKED AS DISTURBED AREAS, NOT TO BE CONSTRUCTED UPON, ARE FINAL GRADED, THEY SHALL BE PREPARED, LIME AND FERTILIZER APPLIED, NON-WETLAND AREAS SHALL BE SEEDING IN ACCORDANCE WITH THE SPECIFICATIONS. WETLAND AREAS SHALL BE SEEDING WITH A MIXTURE OF RED TOP, ROUGHSTALK BLUEGRASS, WILD MILLET AND SWITCHGRASS. THIS RESTORATION WORK WILL BE PERFORMED WITHIN 10 DAYS AFTER FINAL GRADING. ALL TEMPORARY SEDIMENT CONTROLS AND MECHANICAL DEVICES SHALL BE REMOVED FROM CONTRIBUTING AREAS AS THEY BECOME STABILIZED.

## II. EROSION, SEDIMENTATION, AND LAND CONSERVATION NOTES

- MEASURES TO CONTROL EROSION AND SILTATION SHALL BE PROVIDED PURSUANT TO AND IN COMPLIANCE WITH CURRENT STATE AND LOCAL REGULATIONS. THE INFORMATION CONTAINED IN THE CONSTRUCTION PLANS AND/OR THE APPROVAL OF THE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR OR HIS AGENT OF ANY LEGAL RESPONSIBILITY WHICH MAY BE REQUIRED BY THE CODE OF VIRGINIA AND CHAPTER 57 OF THE ARLINGTON COUNTY CODE.
- ALL AREAS, ON OR OFF-SITE, WHICH ARE DISTURBED BY THIS CONSTRUCTION AND WHICH ARE NOT PAVED OR BUILT UPON SHALL BE ADEQUATELY STABILIZED TO CONTROL EROSION AND SEDIMENTATION. ACCEPTABLE STABILIZATION SHALL CONSIST OF PERMANENT GRASS SEED MIXTURE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. ALL SLOPES 3:1 AND GREATER SHALL BE RECEIVE SOIL STABILIZATION IN ACCORDANCE WITH THE SPECIFICATIONS.
- ANY DISTURBED AREA NOT PAVED, PERMANENTLY SEEDING, SODDED, OR BUILT UPON BY 1 NOVEMBER OR DISTURBED AFTER THAT DATE, IS TO BE TEMPORARILY SEEDING WITHIN 14 DAYS WITH OATS, ABRUZZI RYE OR APPROVED EQUIVALENT, AND MULCHED WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS PER ACRE. FOR ADDITIONAL DETAILS, REFER TO THE CURRENT EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE ARLINGTON COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- NO AREA SHALL BE DENUDED AND NOT BE DISTURBED FOR A PERIOD LONGER THAN 7 DAYS.
- TEMPORARY DIVERSIONS, SEEDING AND MULCHED OR STAKED STRAW BALE DIVERSIONS AND OTHER CONTROL MEASURES NECESSARY, ARE TO BE PLACED AS INDICATED ON THE DRAWINGS PRIOR TO OR AS THE FIRST STEP IN EXCAVATION.
- IN ACCORDANCE WITH STATE AND FEDERAL JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIAL IS TO BE PLACED ON THE UPHILL SIDE OF TRENCHES. NO MATERIAL IS TO BE PLACED IN STREAMBEDS. ANY STOCKPILED MATERIAL WHICH WILL REMAIN IN PLACE LONGER THAN 7 DAYS IS TO BE SEEDING FOR TEMPORARY VEGETATION AND MULCHED. WHERE SOIL MUST BE PLACED ON DOWNHILL SIDE OF TRENCH, IT IS TO BE BACK-SLOPED TO DRAIN TOWARD TRENCH. WHEN IT IS NECESSARY TO DEWATER THE TRENCH, THE PUMP DISCHARGE HOSE MUST OUTLET IN A STABILIZED AREA OR A SEDIMENT BASIN.
- WHERE STREAM CROSSINGS ARE REQUIRED FOR EQUIPMENT, TEMPORARY CULVERTS SHALL BE PROVIDED.
- NO MORE THAN 100 FEET OF TRENCH ARE TO BE OPEN AT ANY ONE TIME.
- DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY SILT TRAPS, MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
- ALL DISTURBED AREAS ARE TO BE SEEDING AND MULCHED OR SODDED WITHIN 5 DAYS AFTER BACKFILL OF THE APPLICABLE TRENCH SECTION, IN ACCORDANCE WITH THE PROVISIONS CONTAINED IN THE PROJECT SPECIFICATIONS RELATING TO SEEDING AND SODDING. SPEED IS THE ESSENTIAL LAND CONSERVATION ELEMENT FOR A LINEAR PROJECT.
- FOR FURTHER REQUIREMENTS AND DETAILS OF TREE PRESERVATION, PLANTING, EROSION AND SEDIMENT CONTROL, SEE COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS AND/OR THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.



Filter Bag  
The Maryland Standard F-4 for a filter bag is provided as an acceptable option for use in Arlington County if straw bales or sand are used as the layer under the filter bag. The use of mulch, leaf/wood compost, woodchips or sand is not acceptable.



**Potential Sources of Pollution & Pollution Prevention Practices**  
Identify the pollutant-generating activities likely to be present at the project site; implement and maintain the corresponding pollution prevention practices. If an unlisted pollutant-generating activity is likely to be present at the project site, describe it, identify the associated pollutant(s), and provide the corresponding pollution prevention practice(s) to be implemented and maintained.

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	Exhaust & Vapors	Trash, Debris, Solids		
Clearing, grading, excavating, and un-stabilized areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X							X	(1)	Construction Activity Operator
Paving operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X					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	(4)	
Dewatering operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X						X	(5)	
Material delivery and storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	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	(7)	
Solid waste disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								X	(8)	
Sanitary waste	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		X	X	X			X		(9)	
Landscaping operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X			X		X	X	(10)	
Equipment and vehicle maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					X	X	X	X	(11)	

**Authorized Non-Stormwater Discharges**  
Identify the authorized non-stormwater discharges likely to be present at the project site. If an unlisted authorized non-stormwater discharge is likely to be present at the project site, provide it here.

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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated foundation or footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated excavation dewatering	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Landscape irrigation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

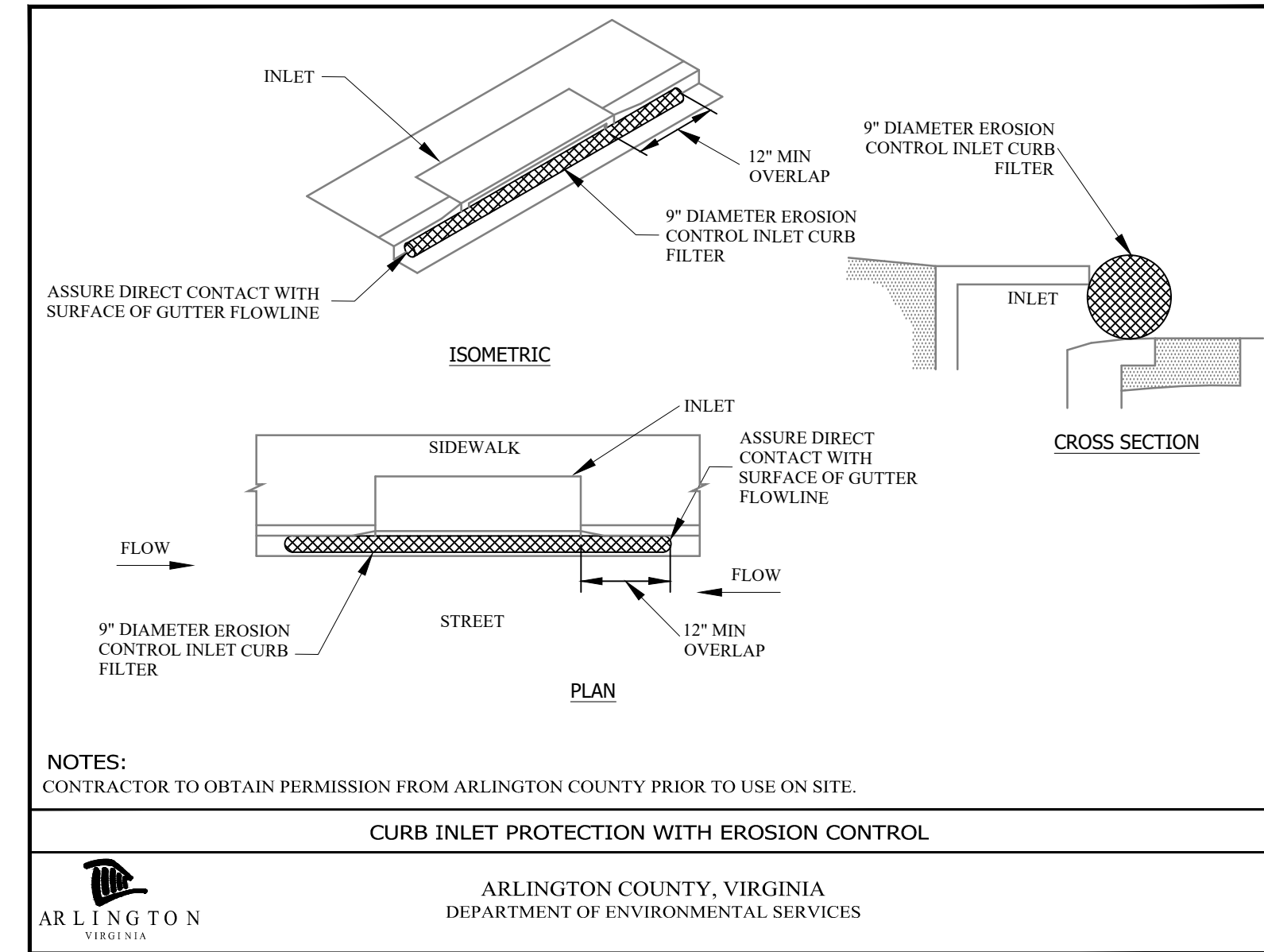
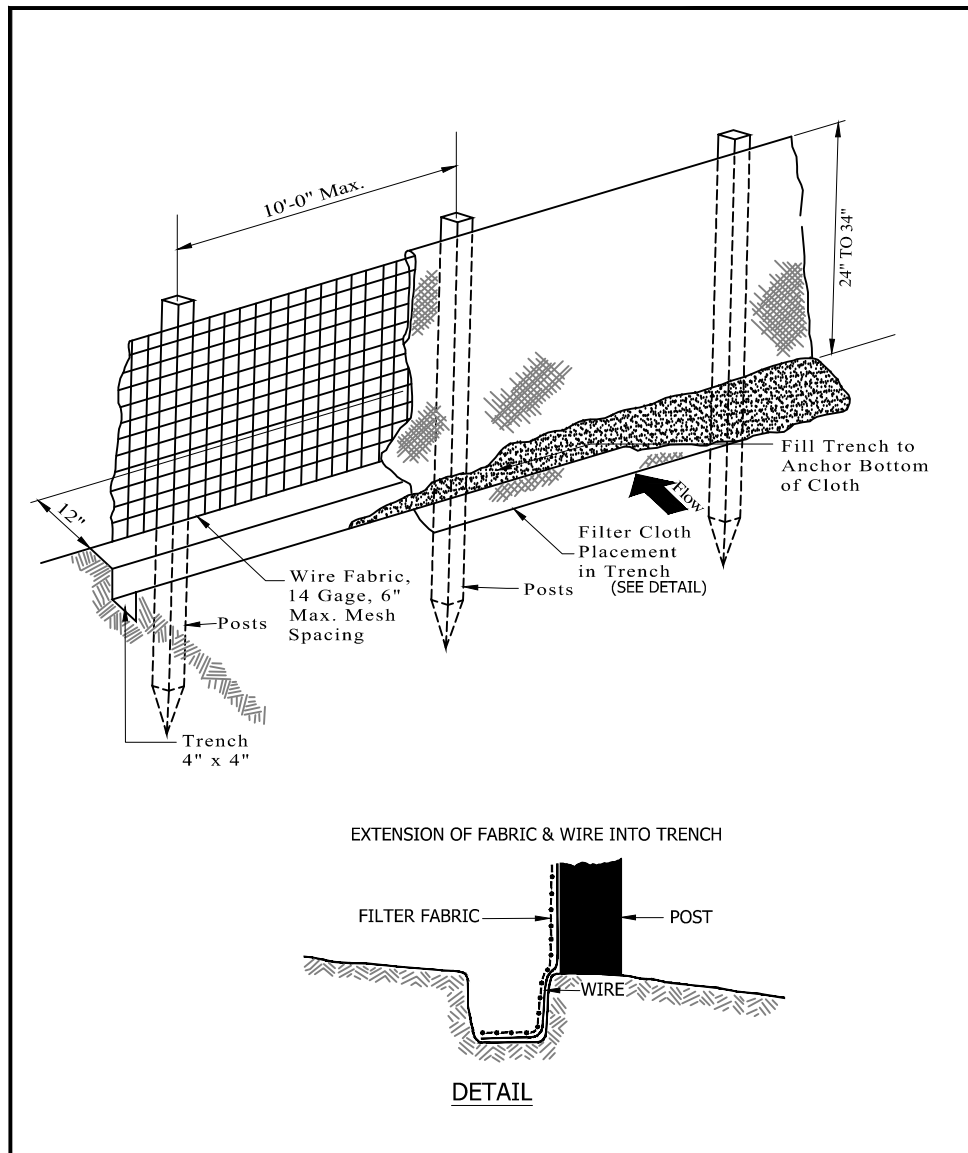
**Spill Prevention & Response**  
Most spills can be cleaned up following manufacturer specifications. The priority should be to protect all people, equipment, property, and the environment. Enter the telephone number of your local fire and police departments.  
Most spills can be cleaned up using a spill kit. Absorbent/dry, sealable containers, plastic bags, and shovels/brooms are suggested minimum spill response items that should be available at the project site.

- 1<sup>st</sup> Priority: Protect all people  
2<sup>nd</sup> Priority: Protect equipment and property  
3<sup>rd</sup> 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.
  - Ensure 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 spreading and/or entering storm drains (use absorbent or other materials as necessary).
  - If spilled material has entered a storm drain, contact Arlington County Fire Department and project manager.
  - Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials and do not flush area with water.
  - Properly dispose of cleanup materials and used absorbent material according to manufacturer specifications.

**Emergency Contacts:**

Local Contacts	703-558-2222
Arlington County Fire & Police	703-228-6555
DES Water, Sewer, Streets 24-Hour Emergency	703-750-1400
Washington Gas Emergency	
Nights, Holidays & Weekends	804-674-2400
VA Dept. of Emergency Management	
24 Hour Reporting Service	

Spill kit on site:  Yes  No  
Location(s) of spill kit: \_\_\_\_\_



ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES

REVISION & DATE  
DRAWING NO. D-5.1

ARLINGTON COUNTY, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES



DEPARTMENT OF ENVIRONMENTAL SERVICES  
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.7865  
FAX: 703.228.6585

COPYRIGHT © 2016 ARLINGTON COUNTY VIRGINIA - ALL RIGHTS RESERVED

SEAL



APPROVALS DATE

Revisions	Date

Project Name and Location  
**Troy Street**  
 Water and Sewer Improvements  
 Erosion and Sedimentation Control Notes  
 and Details

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:

Filename: ERSDEM.dwg  
Path: c:\pw\_p1\resub\0754642  
Plotted: August 19, 2020  
Plotted by: ReeseKB

Scale: 1" = 25'

