



**OWNER**  
DEPARTMENT OF ENVIRONMENTAL SERVICES

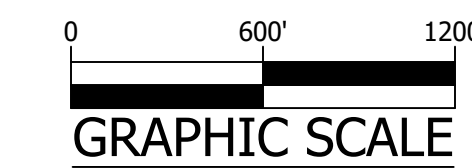
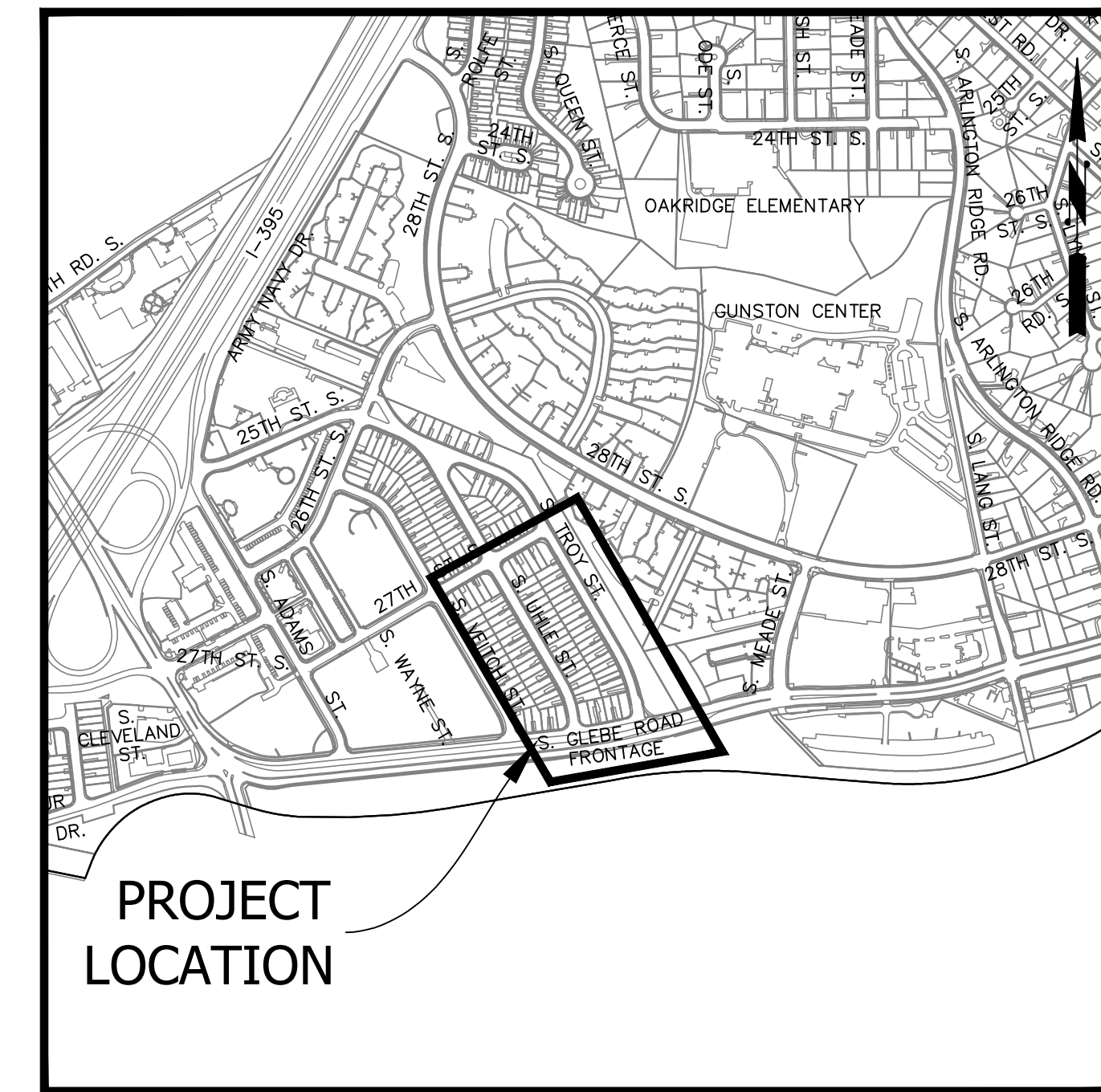
WATER, SEWER AND STREETS BUREAU  
4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
PHONE: 703.228.6555 FAX: 703.228.7865  
WWW.ARLINGTONVA.US

**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  
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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.

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- Cover
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- Existing Conditions
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- Waterline - Plan and Profile Sheet - S. Glebe Road Frontage
- Waterline - Plan and Profile Sheet - S. Troy Street
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- Sewer - Plan and Profile Sheet - S. Uhle Street
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- 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



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SEAL



APPROVALS DATE

Revisions	Date

Project Name and Location

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

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Drawn: JJS  
Checked: DGG  
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Plotted by: ReeseKB  
Scale: As Noted





SEAL



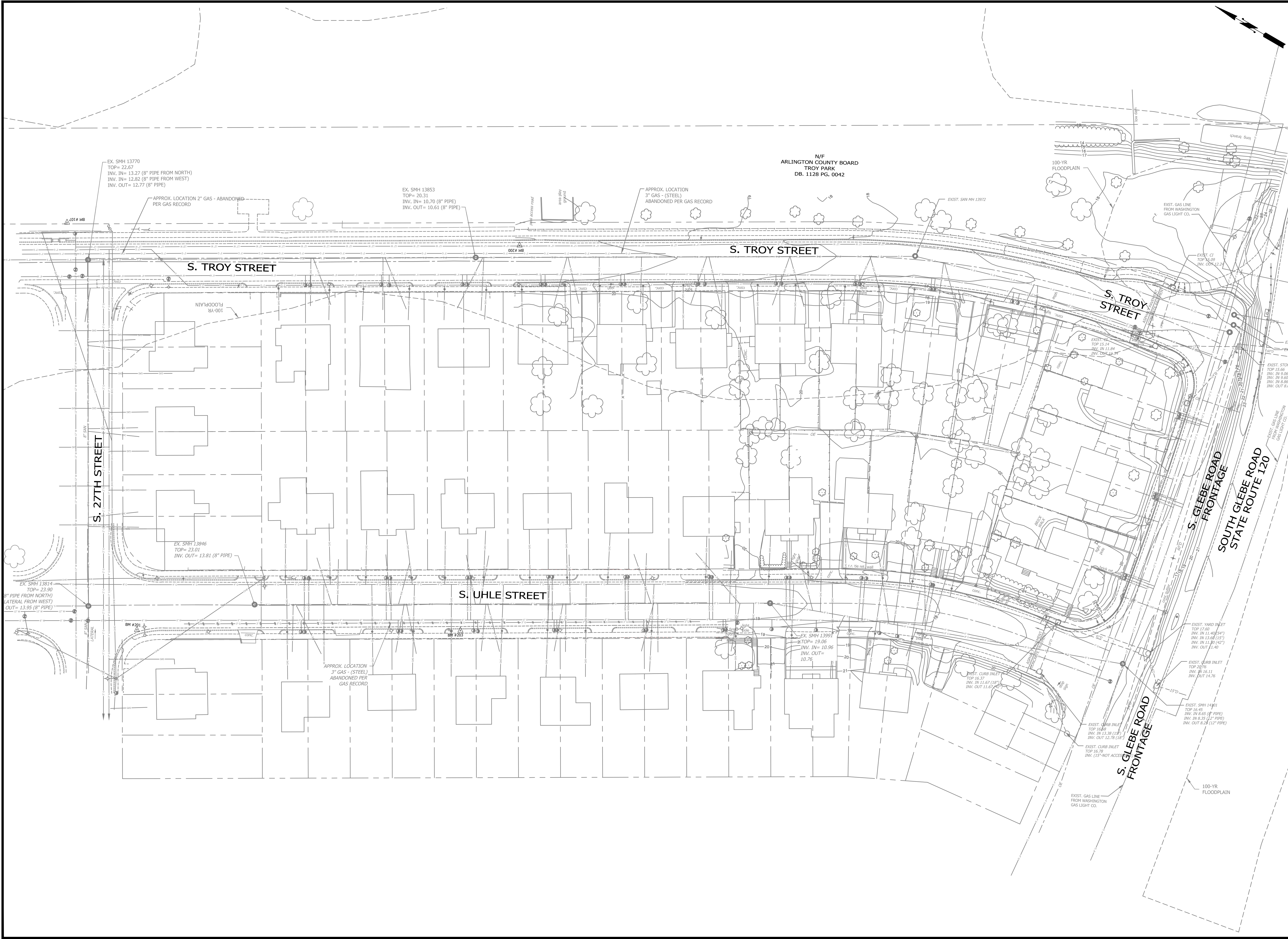
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Revisions \_\_\_\_\_ Date \_\_\_\_\_

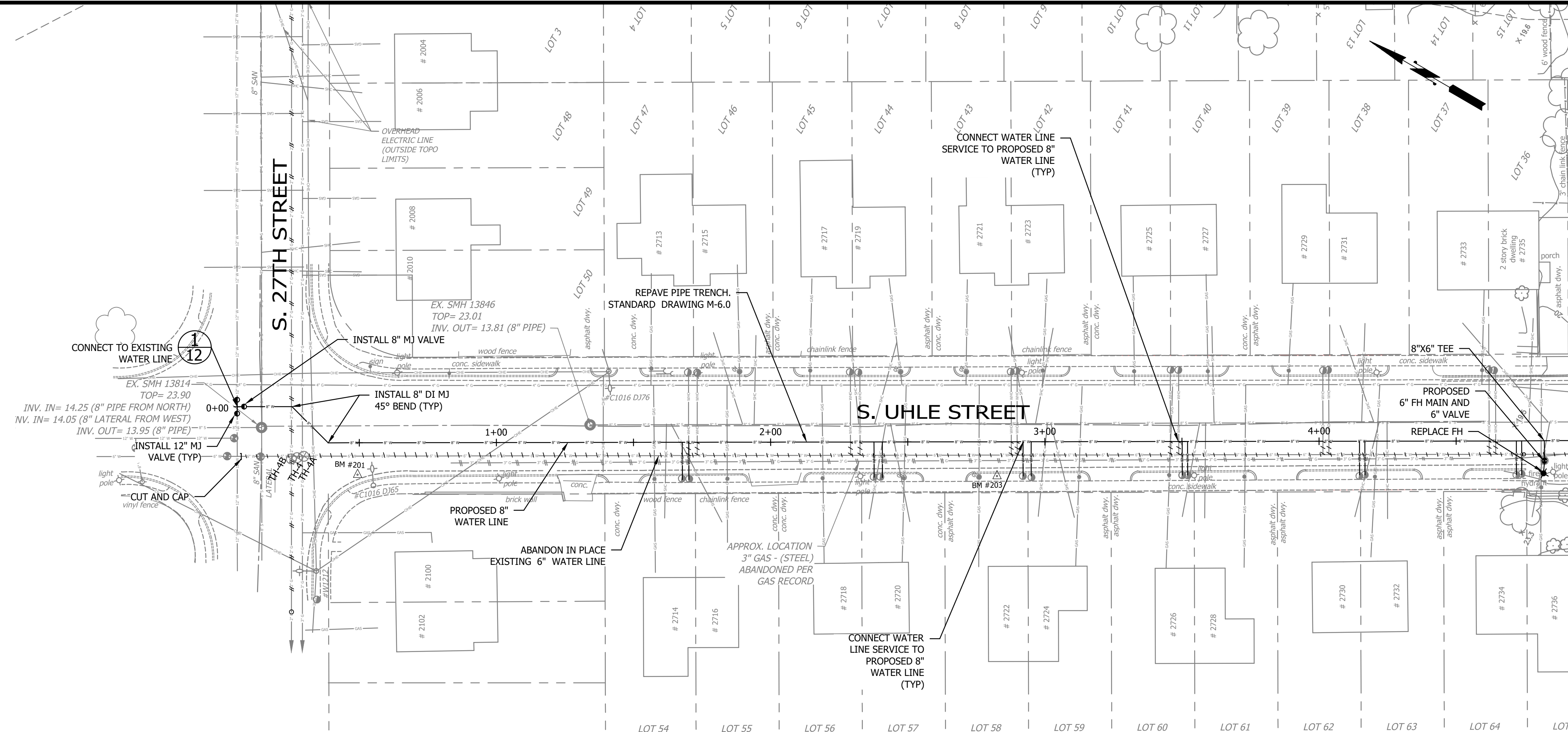
Project Name and Location

**Troy Street**  
Water and Sewer Improvements  
Existing Conditions

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Plotted by: ReeseKB  
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- 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



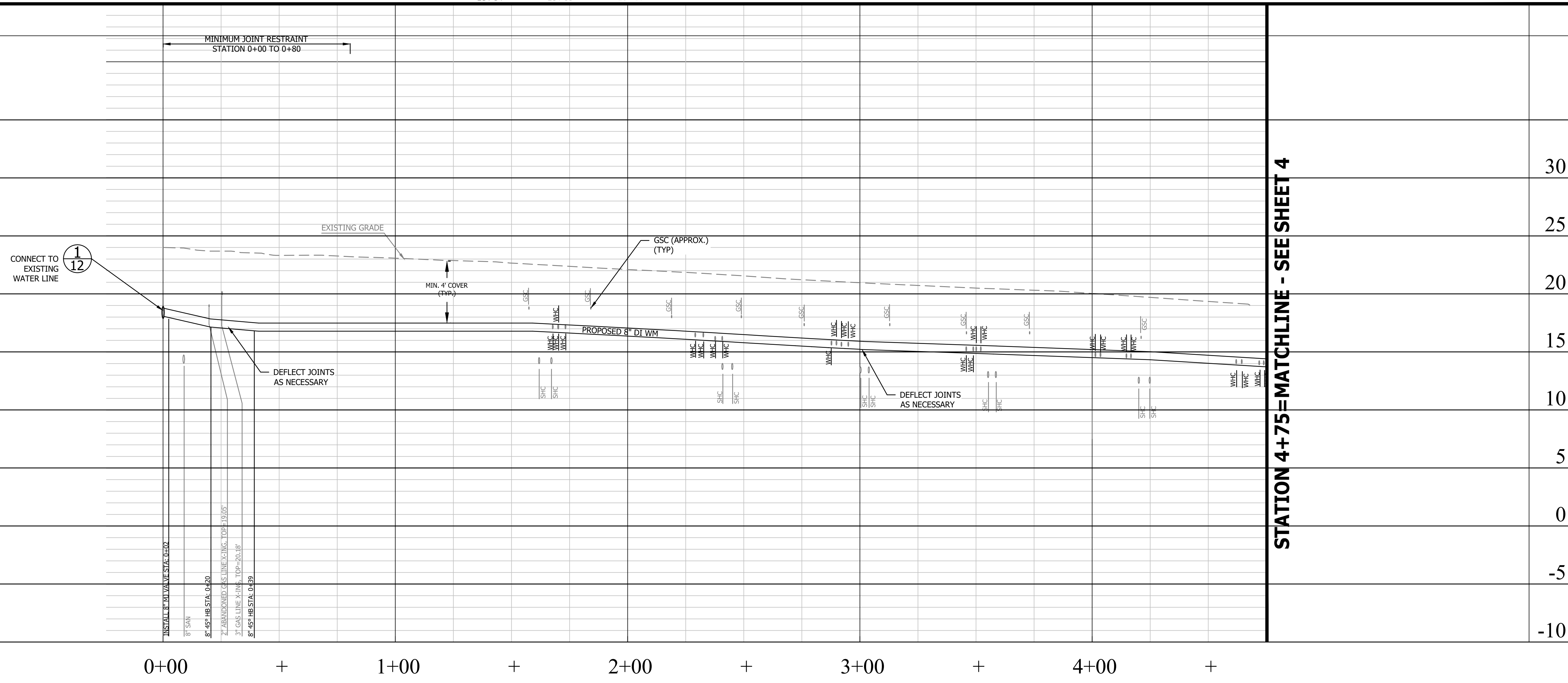
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APPROVALS \_\_\_\_\_ DATE \_\_\_\_\_

Revisions	Date
#1	1/6/2021



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

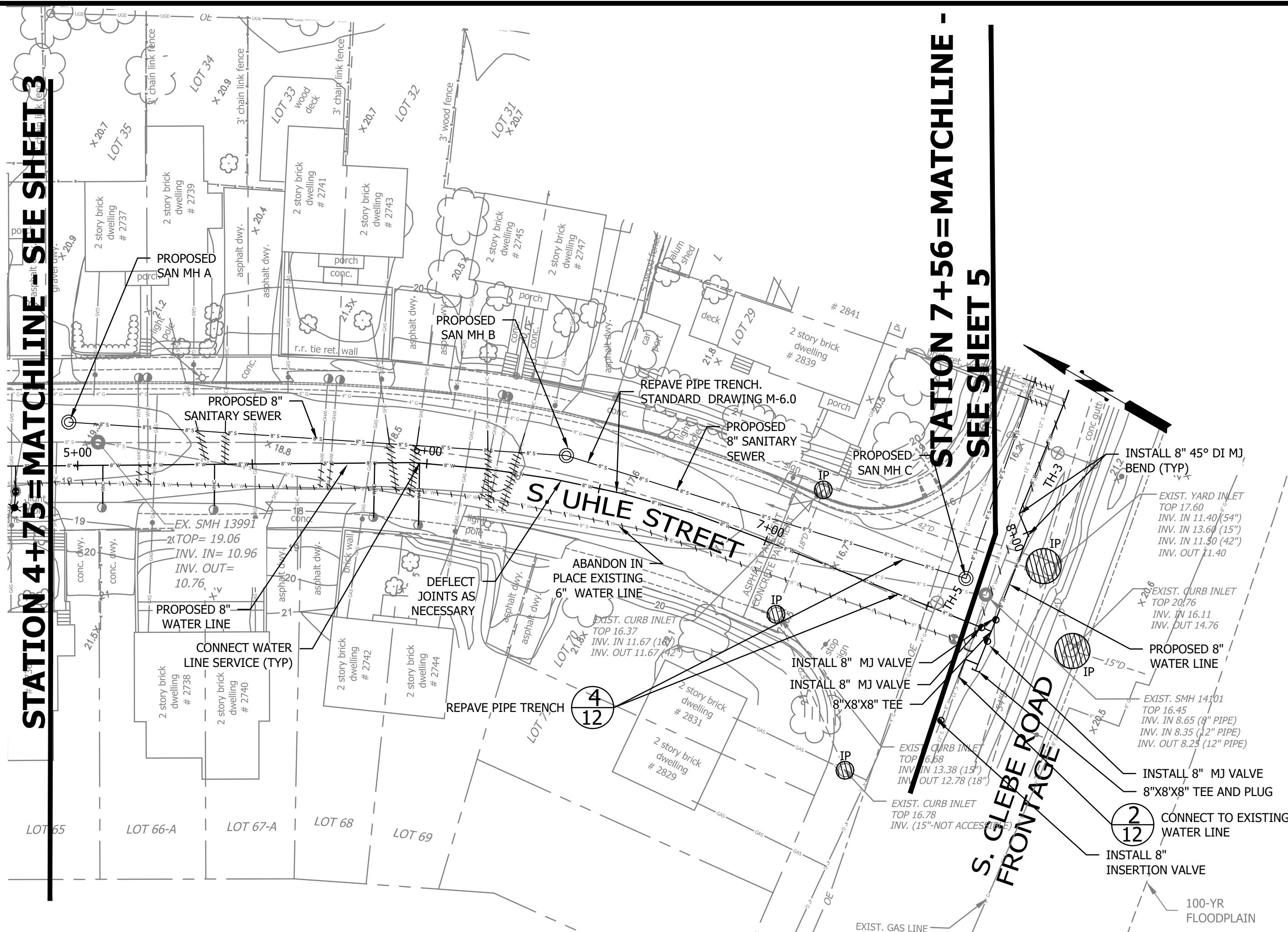
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 Plotted by: SosaJJ

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



Sheet  
**4 OF 16**





- NOTES**
1. WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
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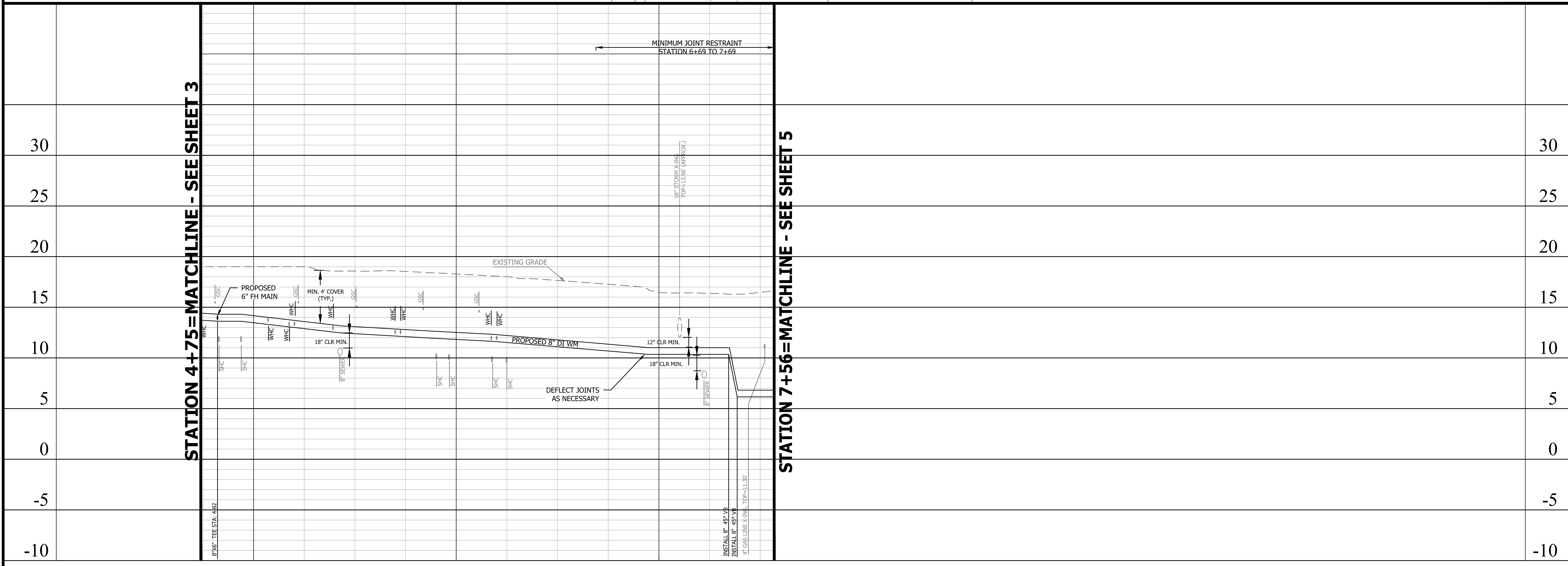


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STATION 4+75=MATCHLINE - SEE SHEET 3

STATION 7+56=MATCHLINE - SEE SHEET 5



Project Name and Location

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

Designed: AV  
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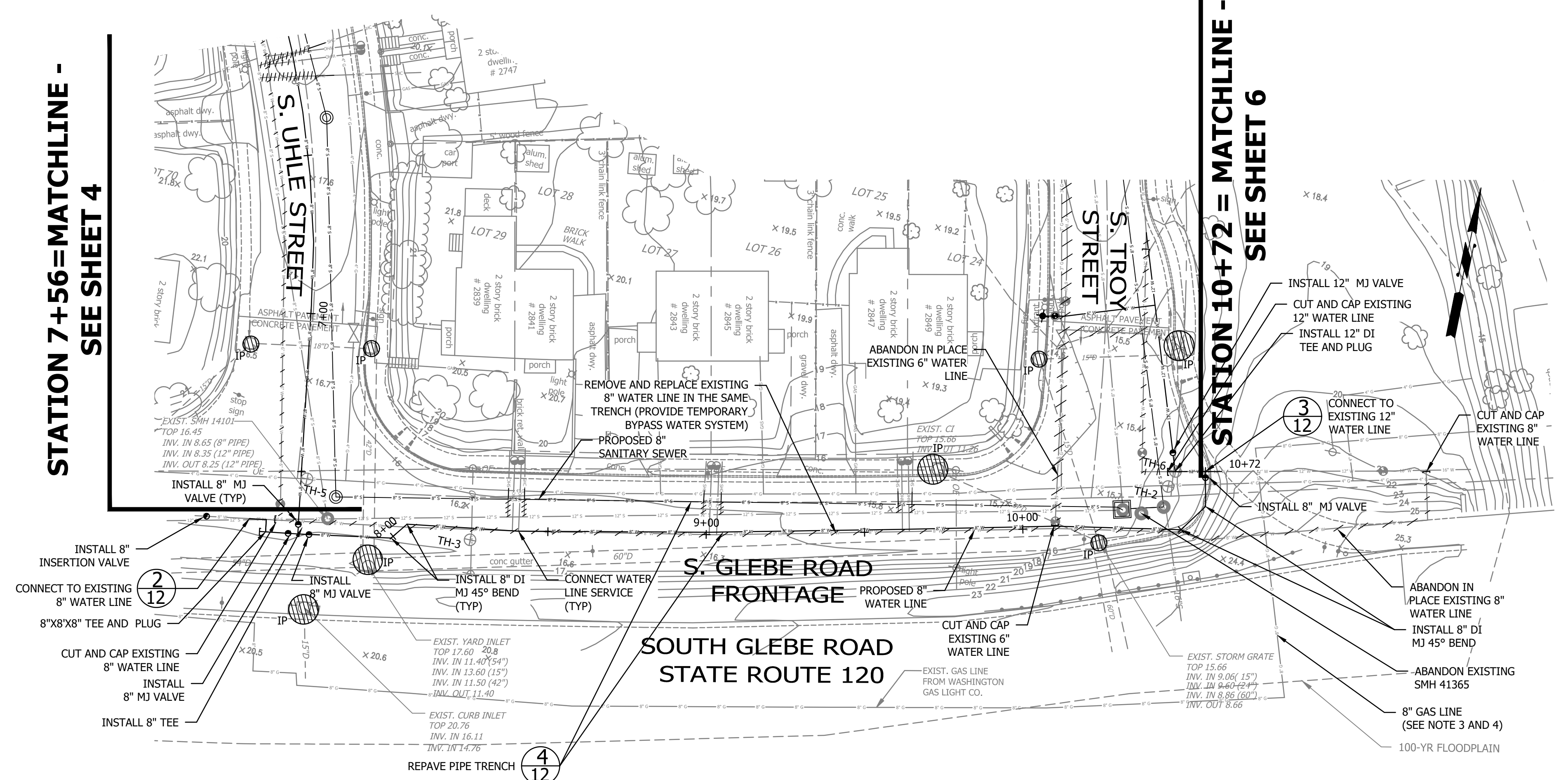
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 Vert: 1" = 5'





STATION 7+56=MATCHLINE -  
SEE SHEET 4

STATION 10+72=MATCHLINE -  
SEE SHEET 6

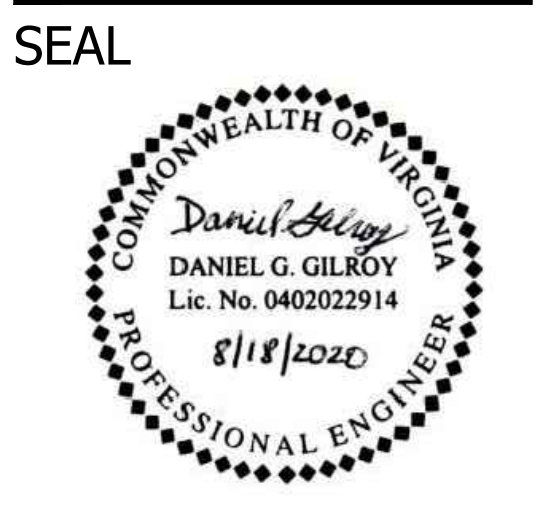


- NOTES**
- WATER AND GAS SERVICE CONNECTION LOCATIONS ARE APPROXIMATE AND CONTRACTOR TO VERIFY.
  - CONTRACTOR SHALL FOLLOW ARLINGTON COUNTY STANDARD DETAILS:
    - M-7.0 CONCRETE PIER AND REINFORCED CONCRETE CRADLE FOR UTILITY CUTS. (AT ALL UTILITIES CROSSING).
    - W-2.0 TO 2.4 CONCRETE THRUST BLOCKS (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.
  - 8" GAS LINE LOCATION IS APPROXIMATE AND BASED ON WASHINGTON GAS GIS. CONTRACTOR TO VERIFY WITH TEST PITS PRIOR TO EXCAVATION.
  - FIELD ADJUST WATER LINE IN VICINITY OF 8" 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

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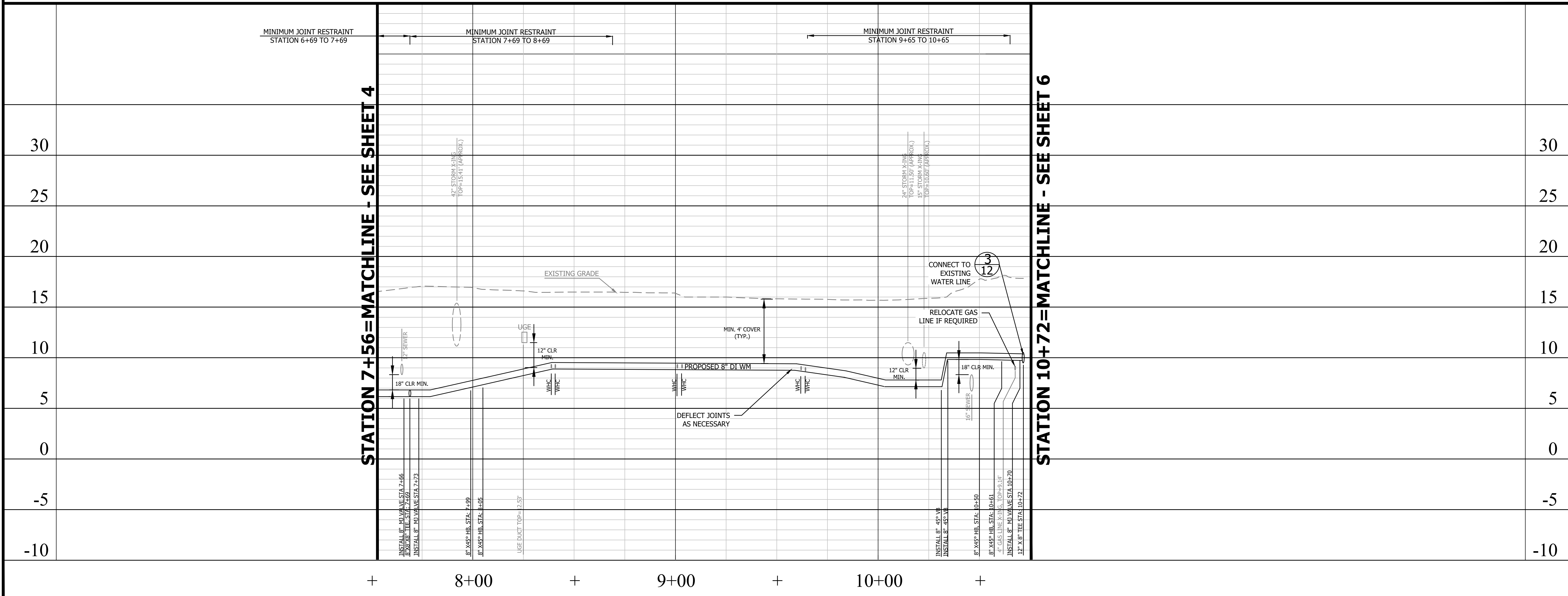


APPROVALS \_\_\_\_\_ DATE \_\_\_\_\_

Revisions	Date
#1	1/6/2021

STATION 7+56=MATCHLINE - SEE SHEET 4

STATION 10+72=MATCHLINE - SEE SHEET 6



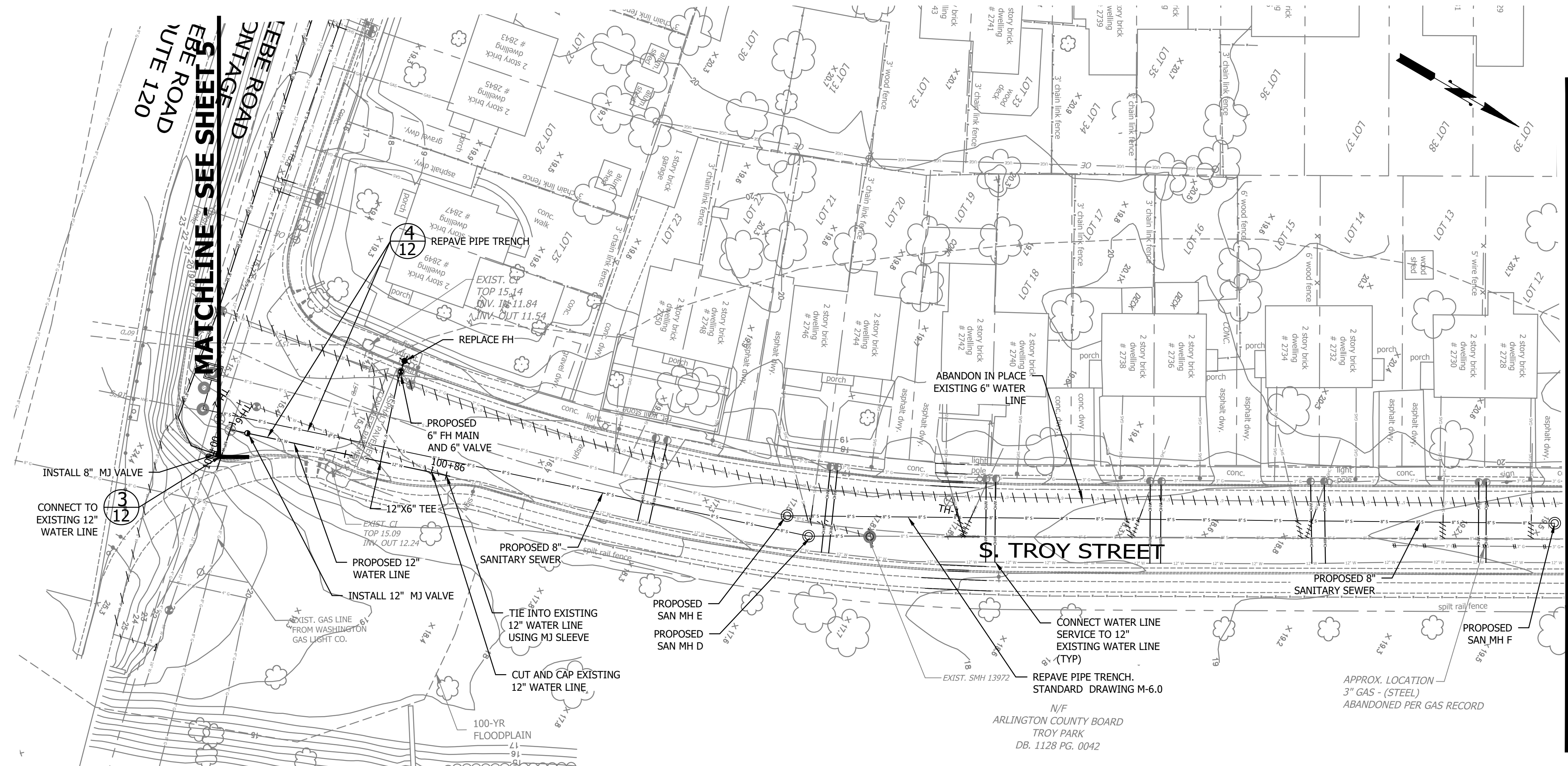
Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Waterline - Plan and Profile Sheet  
S. Glebe Road Frontage

Designed: AV  
Drawn: JJS  
Checked: DGG  
Miss Utility Transmittal #:  
Filename: Acc# - Plan&Profiles.dwg  
Path: c:\pw\_pl\acc#j\0754640  
Plotted: January 06, 2021  
Plotted by: SosaJJ

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

10560 Arrowhead Drive, Suite 500  
FAIRFAX, VA 22030



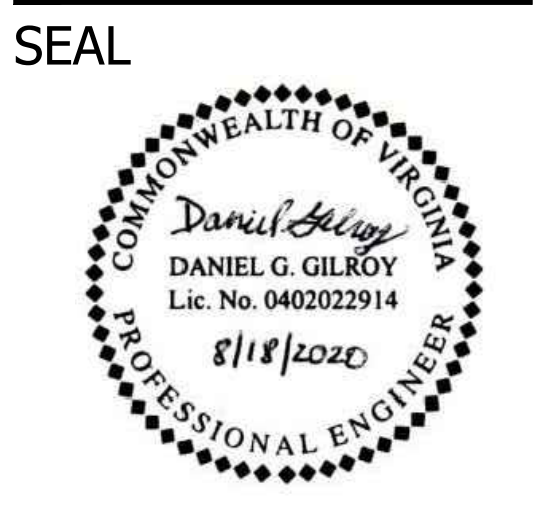


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    - W-7.0 FIRE HYDRANT SETTING.
    - W-8.0 WATER SERVICE CONNECTIONS.



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 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
 FAX: 703.228.6585

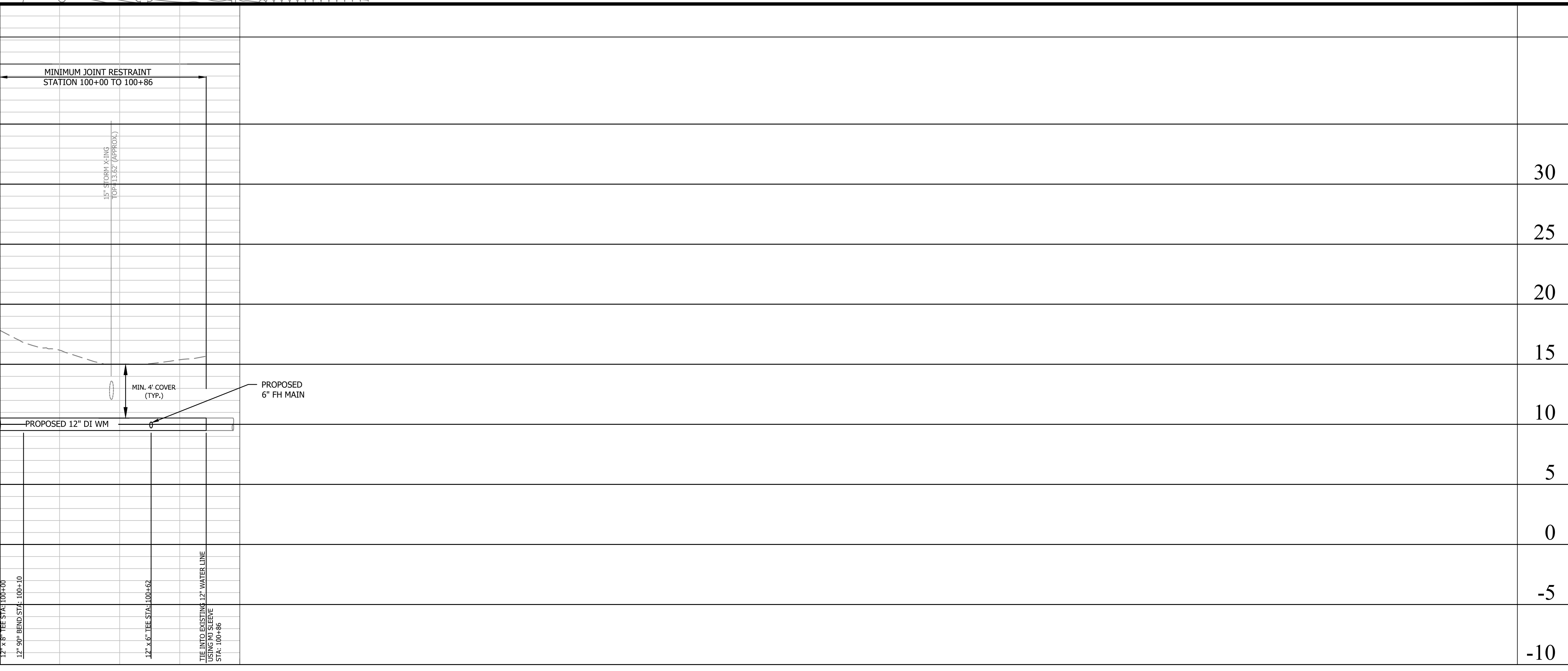
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APPROVALS \_\_\_\_\_ DATE \_\_\_\_\_

Revisions	Date
#1	1/6/2021

STATION 100+00 = MATCHLINE - SEE SHEET 5



100+00 + 101+00

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  
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 Plotted: January 06, 2021  
 Plotted by: SosaJJ

Scale: Hor: 1" = 25'  
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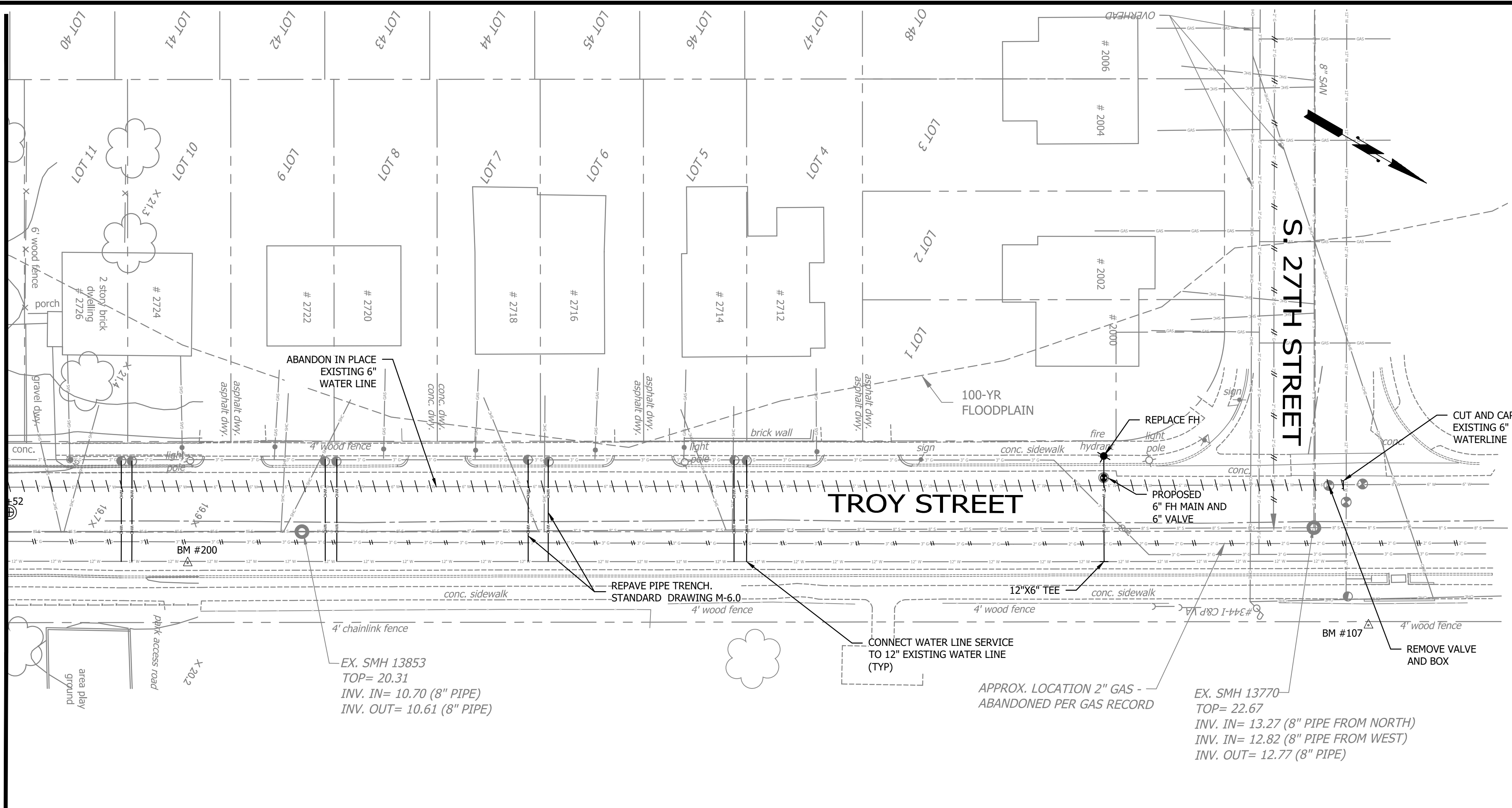


Sheet 7 OF 16

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:
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    - 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

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SEAL

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

Revisions	Date
#1	1/6/2021

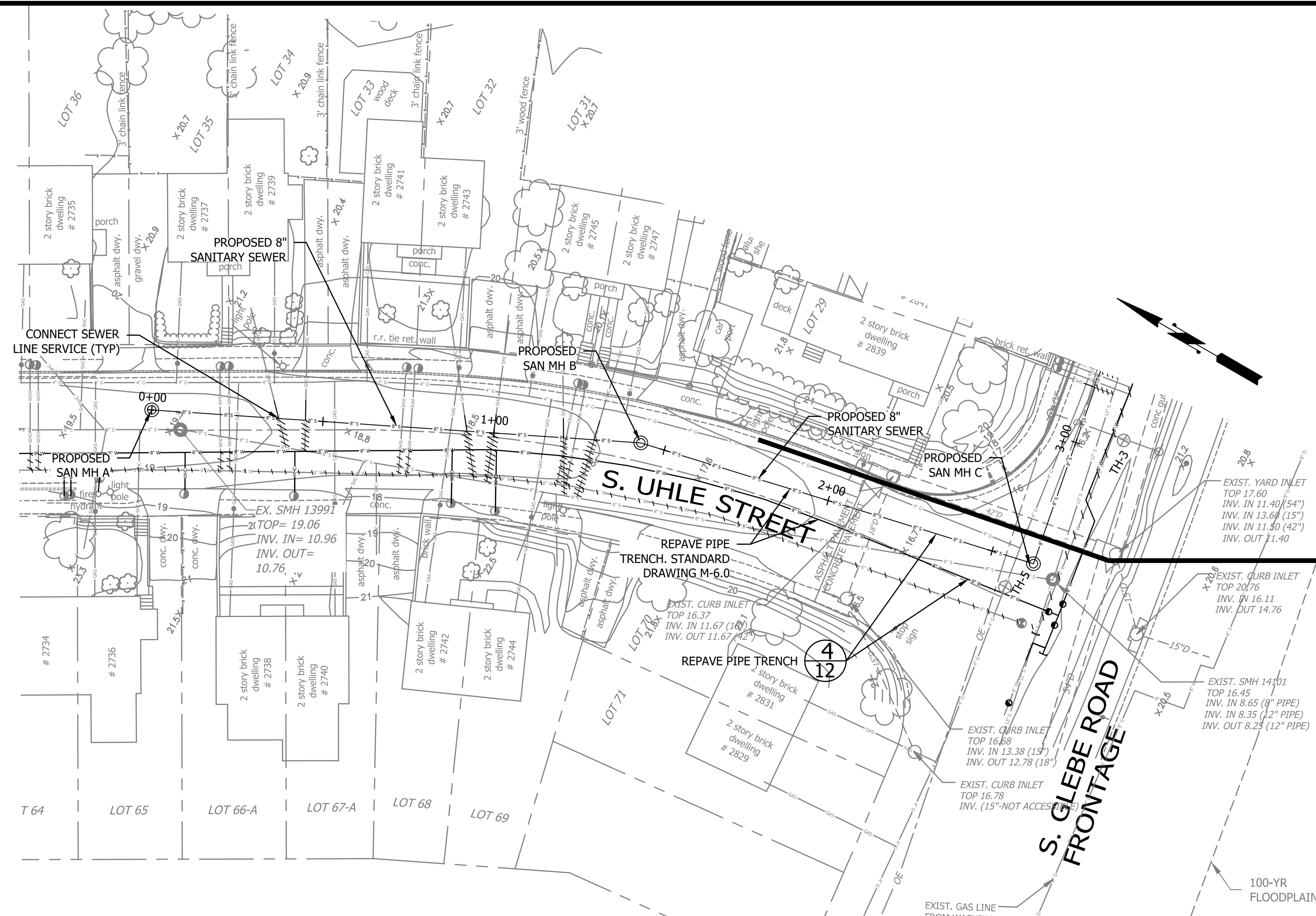
Project Name and Location

**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\1000\j\0754640  
 Plotted: January 06, 2021  
 Plotted by: SosaJJ  
 Scale: 1" = 25'

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





**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.
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  - 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).



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 4200 28TH STREET SOUTH  
 ARLINGTON, VA 22206  
 PHONE: 703.228.7865  
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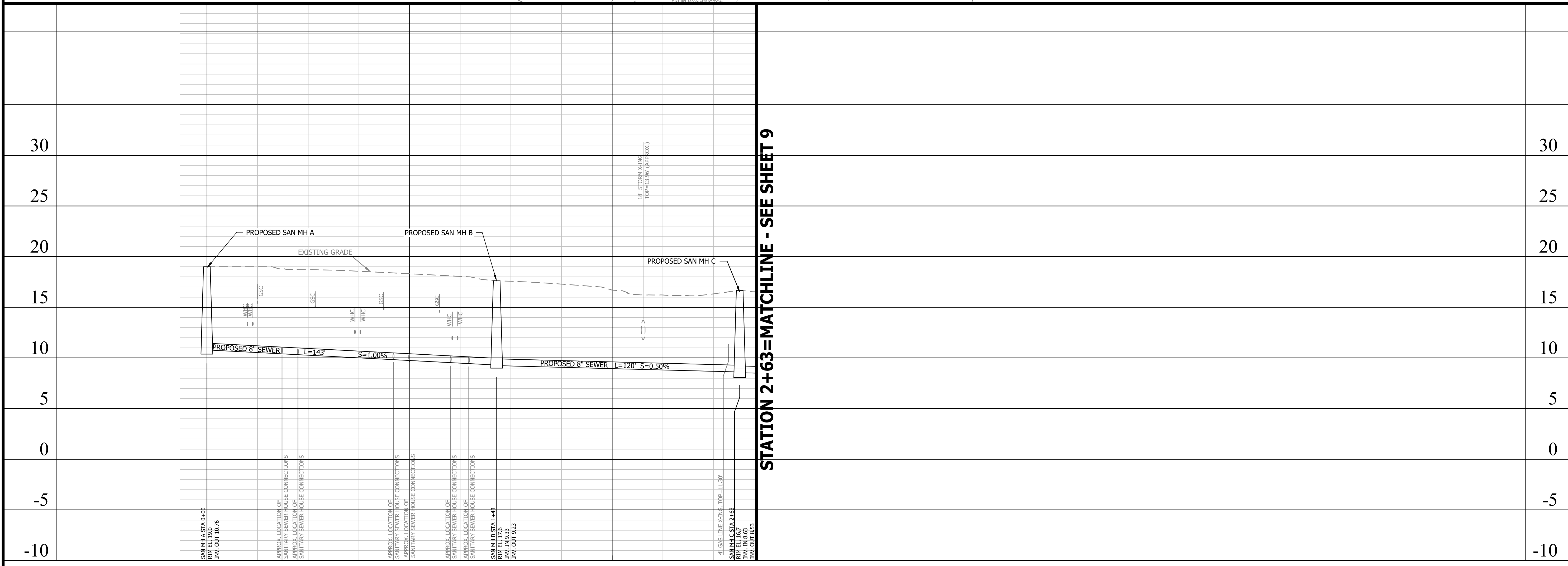
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SEAL



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  
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 Plotted: August 19, 2020  
 Plotted by: ReeseKB

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



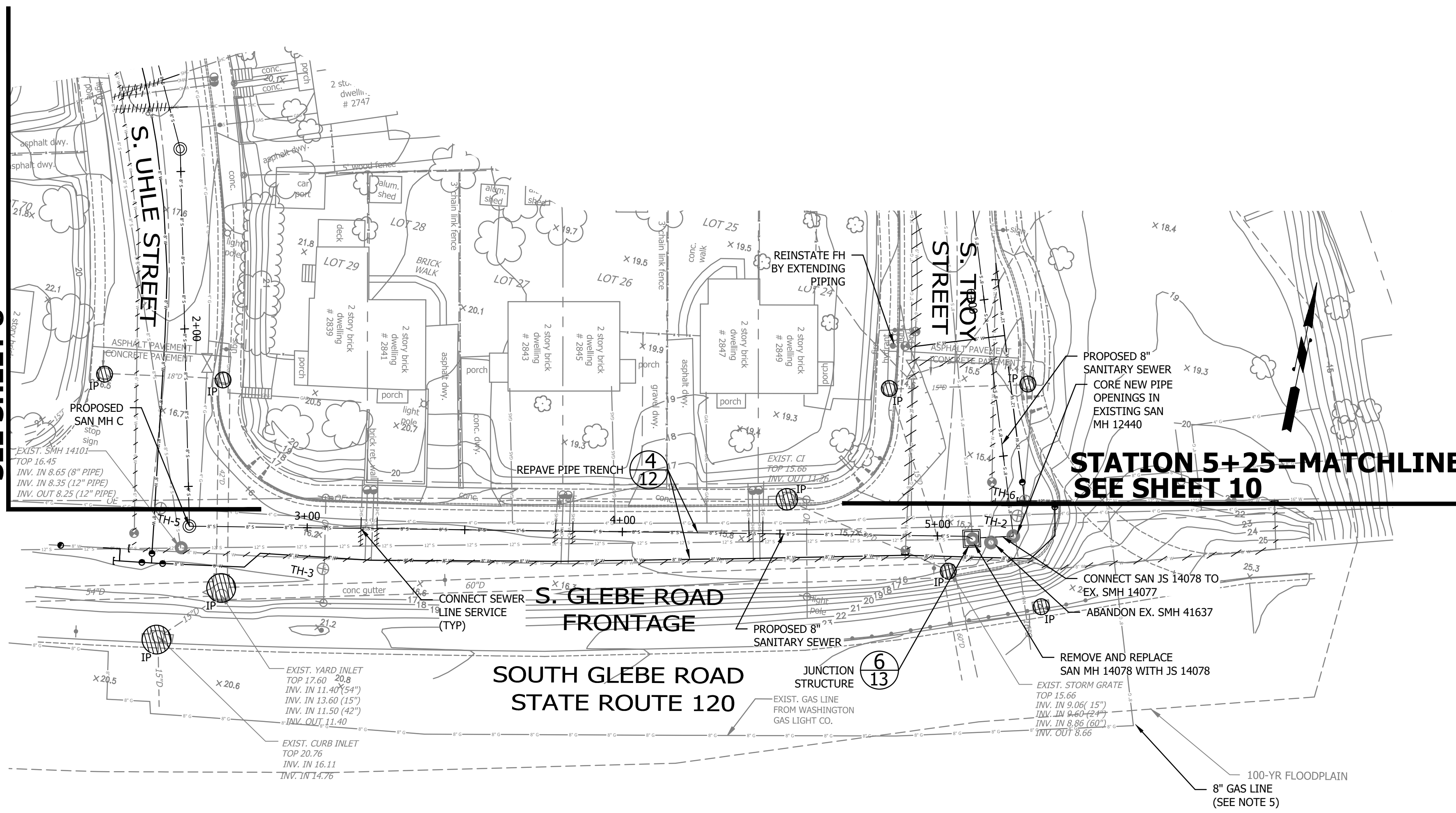
10560 Arrowhead Drive, Suite 500  
 FAIRFAX, VA 22030

Sheet **9 OF 16**

Troy Street



STATION 2+63=MATCHLINE  
- SEE SHEET 8



STATION 5+25=MATCHLINE -  
SEE SHEET 10

NOTES:

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- 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.



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4200 28TH STREET SOUTH  
ARLINGTON, VA 22206  
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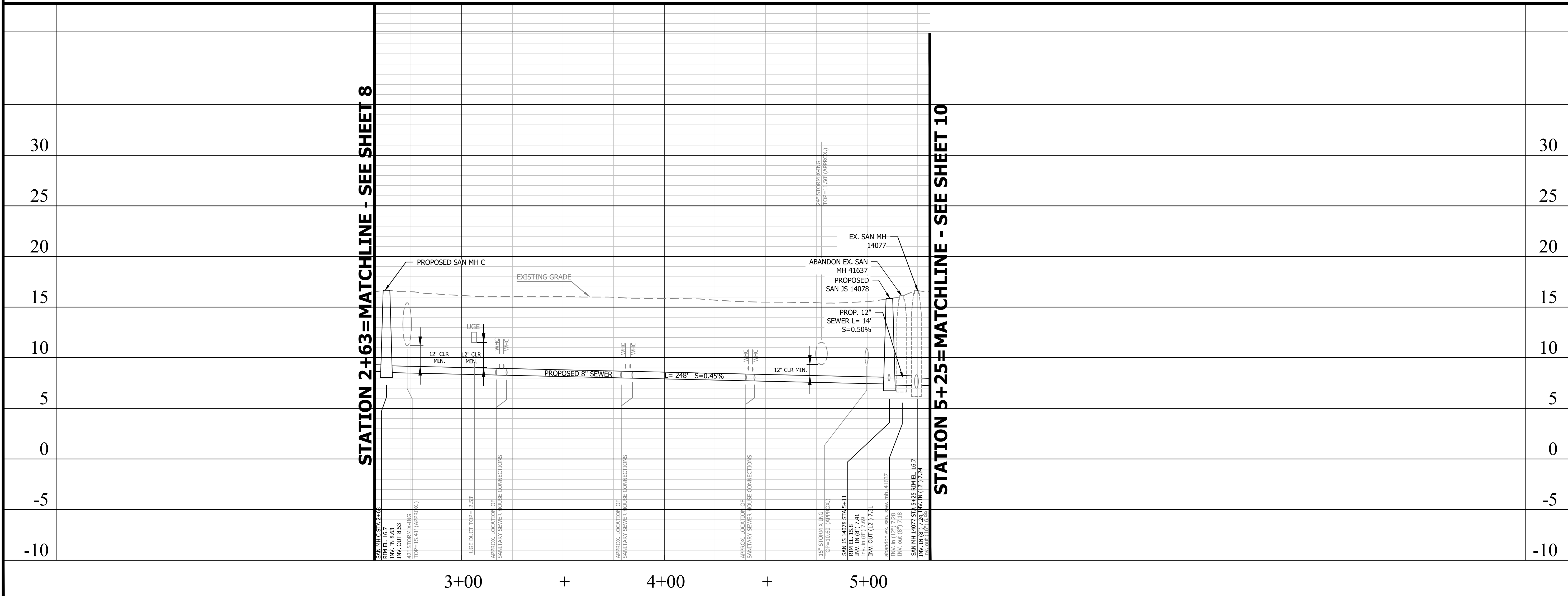


APPROVALS DATE

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  
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Plotted: August 19, 2020  
Plotted by: ReeseKB

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



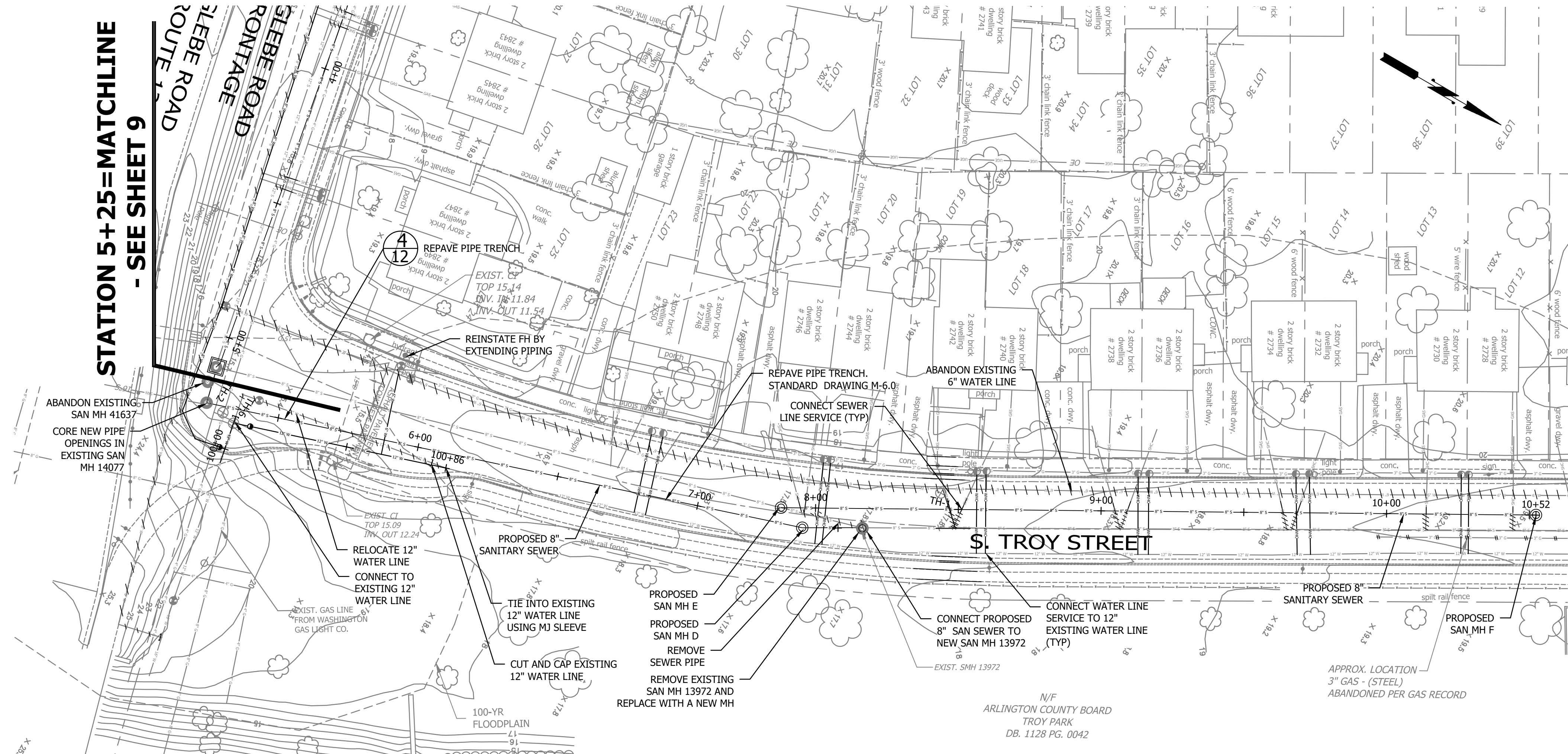
10560 Arrowhead Drive, Suite 500  
FAIRFAX, VA 22030

Sheet 10 OF 16

Troy Street



STATION 5+25=MATCHLINE  
- SEE SHEET 9



- NOTES:
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ARLINGTON, VA 22206  
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FAX: 703.228.6585

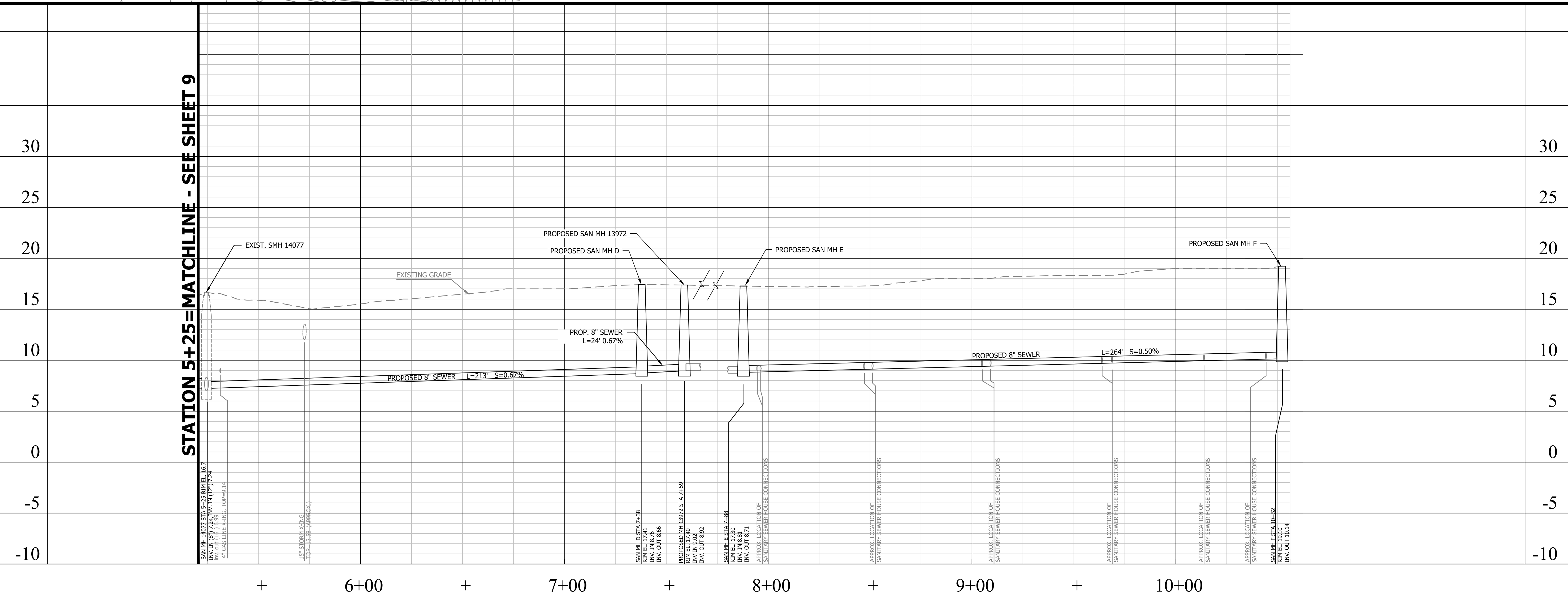
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APPROVALS DATE

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  
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Plotted by: ReeseKB  
Scale: Hor: 1" = 25'  
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APPROVALS DATE

Revisions Date

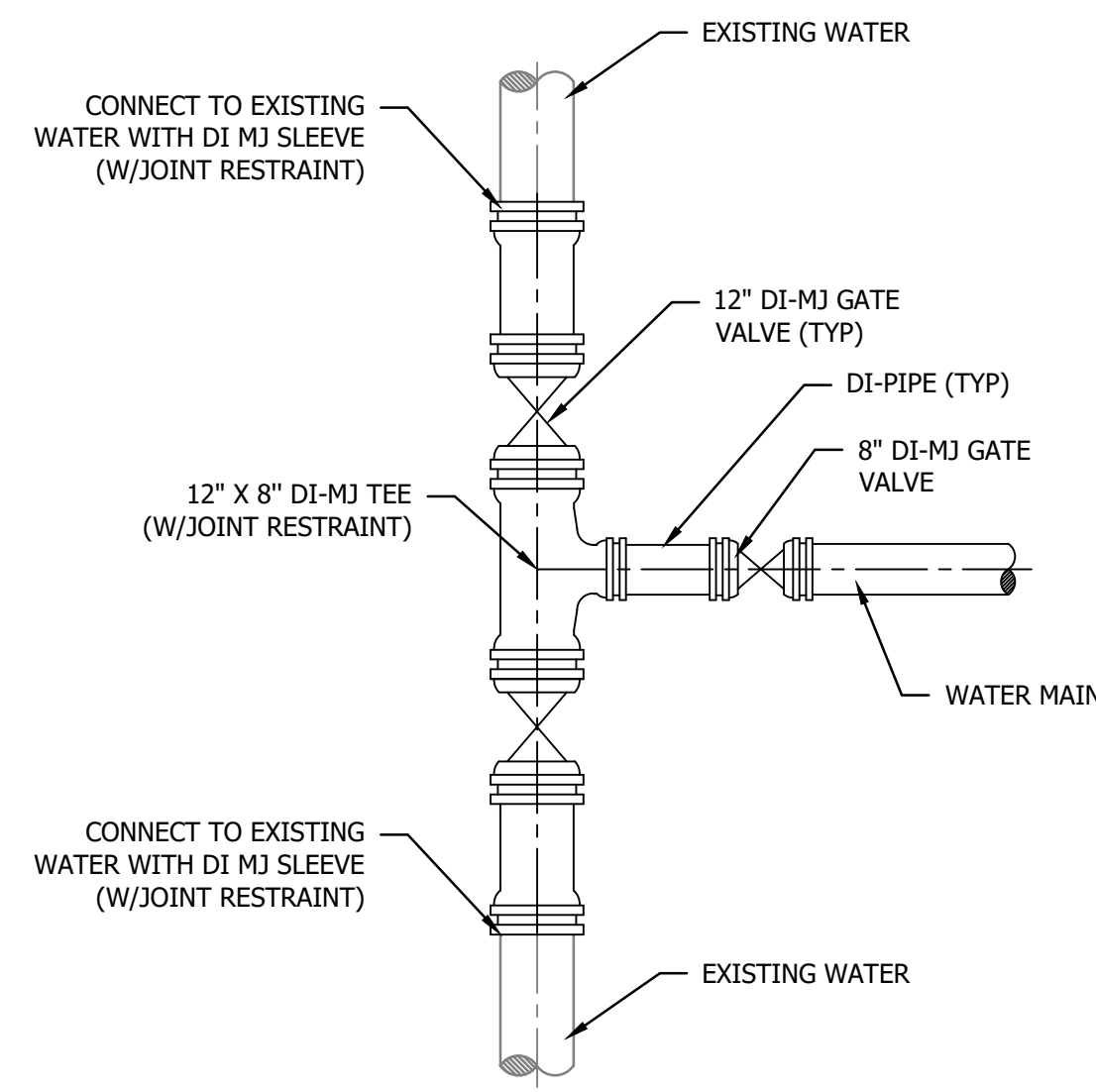
Revisions	Date

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

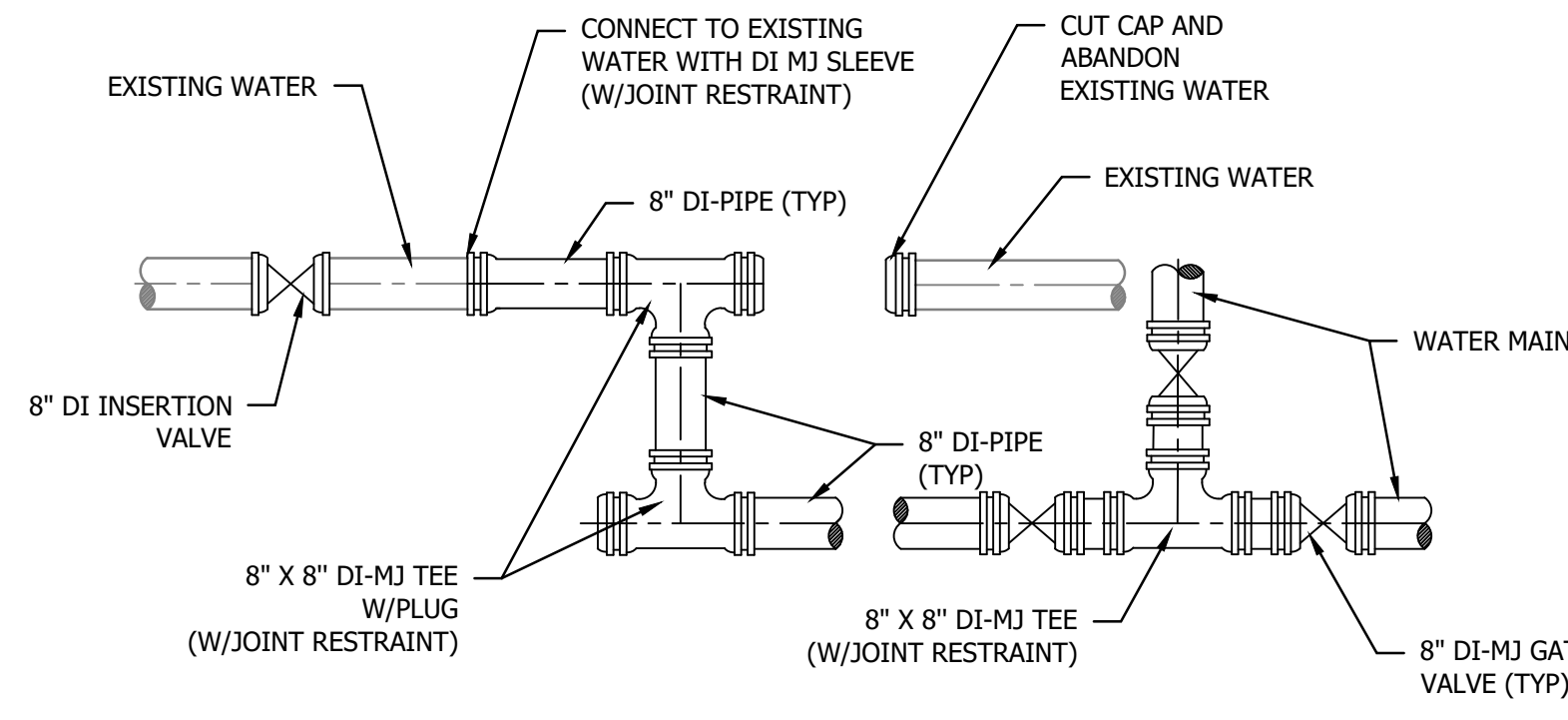
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Plotted by: ReeseKB

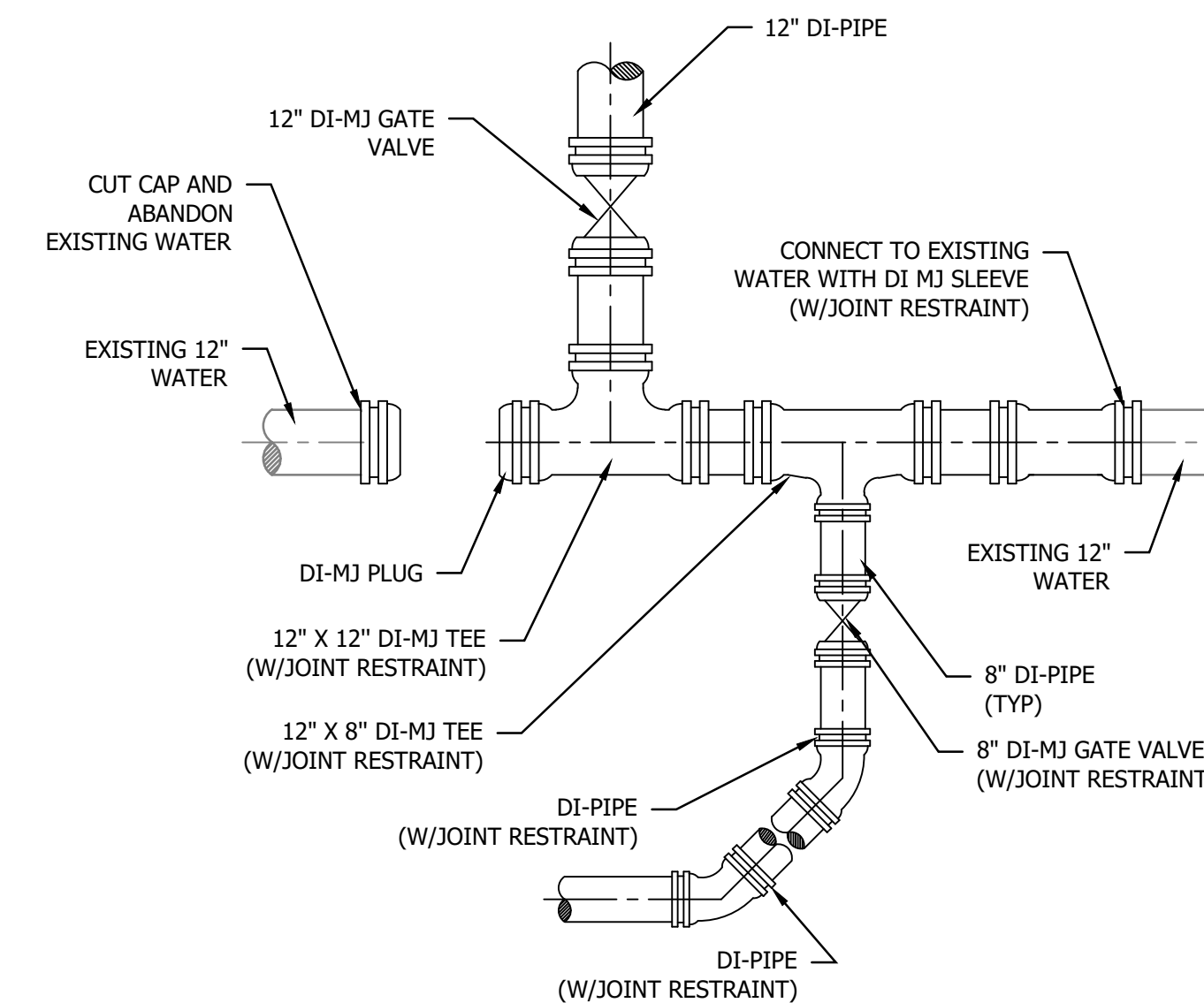
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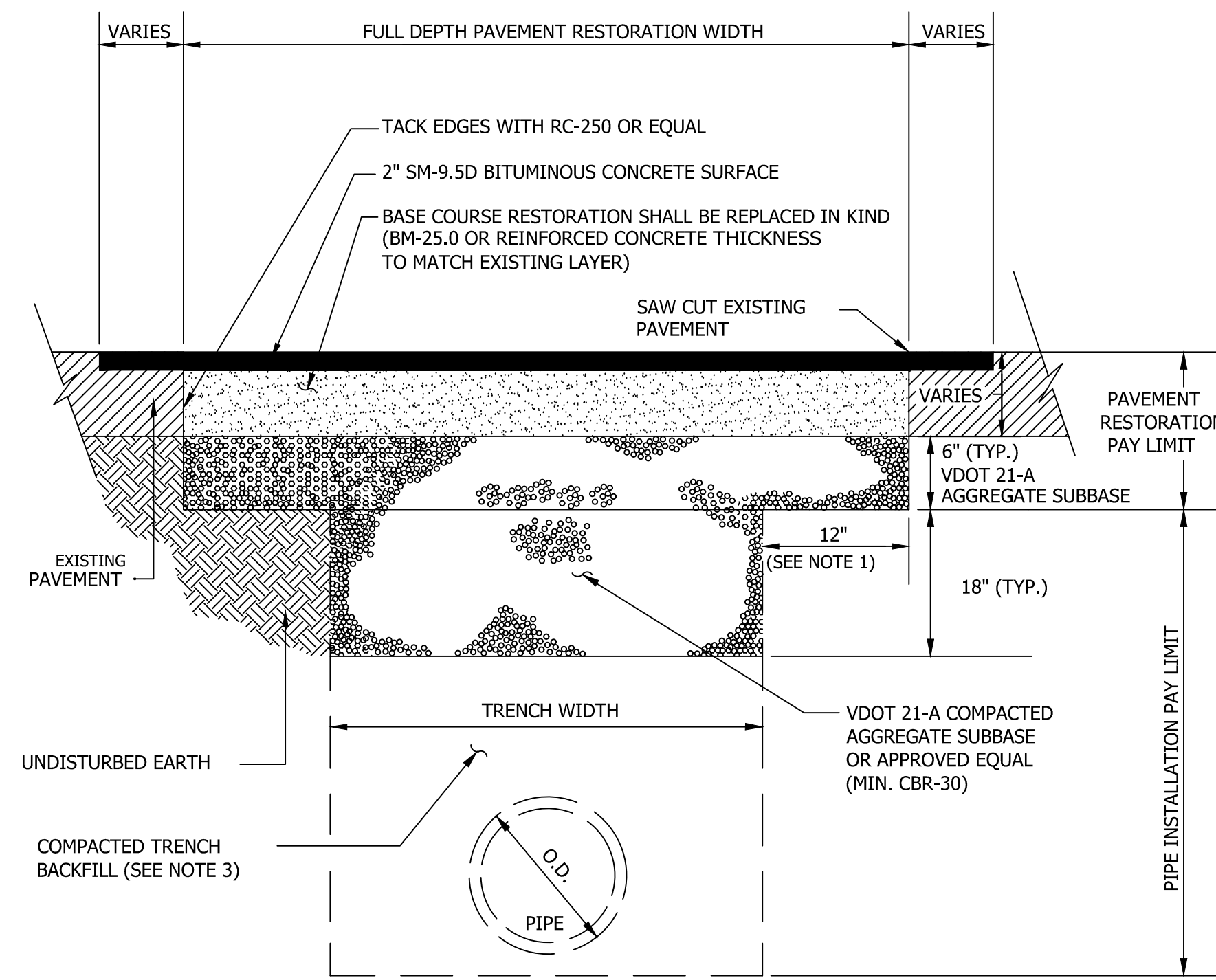
**1** CONNECTION TO EXISTING WATER MAIN  
SCALE: N.T.S.



**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  
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Plotted: August 19, 2020  
Plotted by: ReeseKB

Scale: 1" = 25'

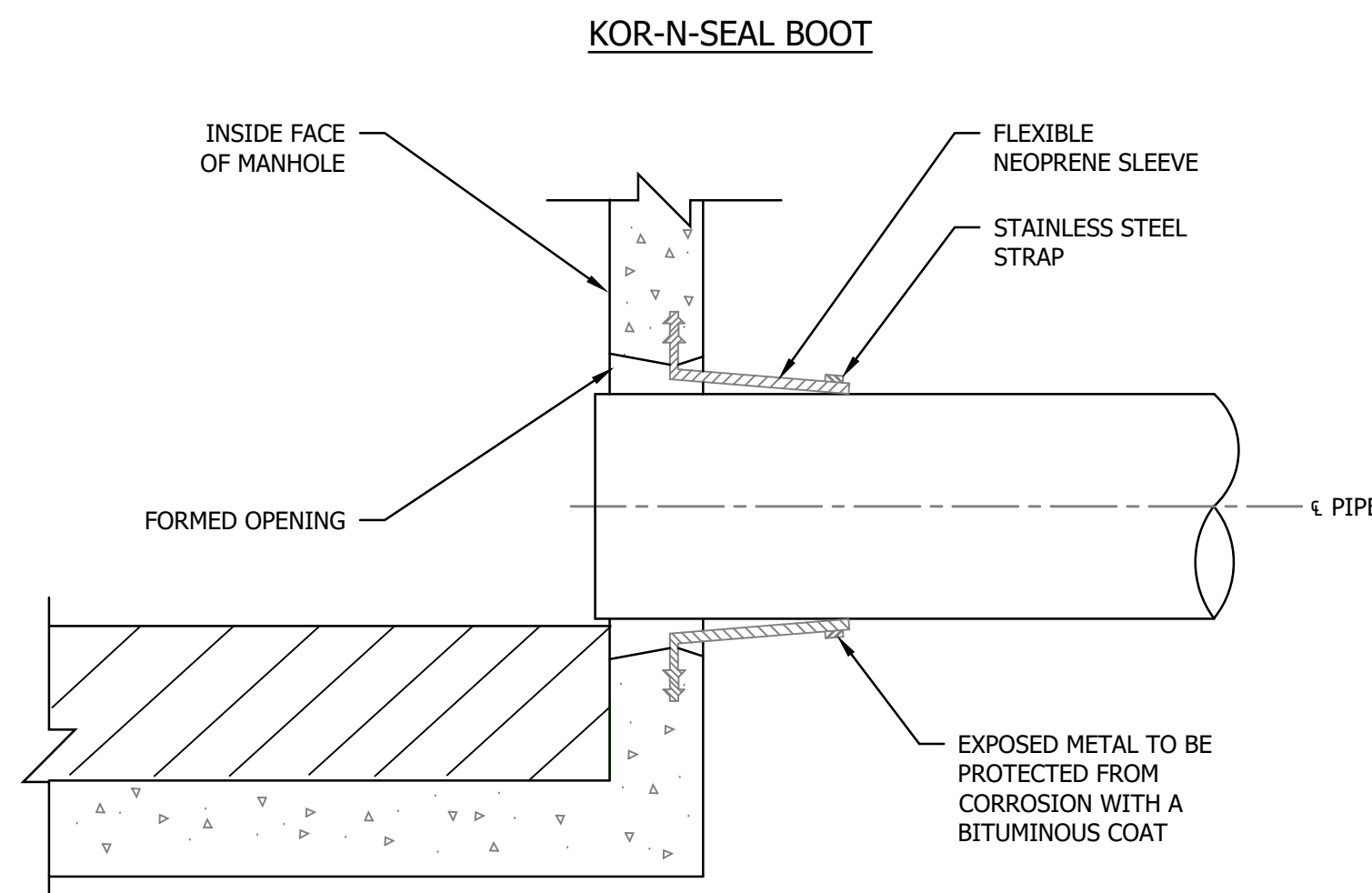
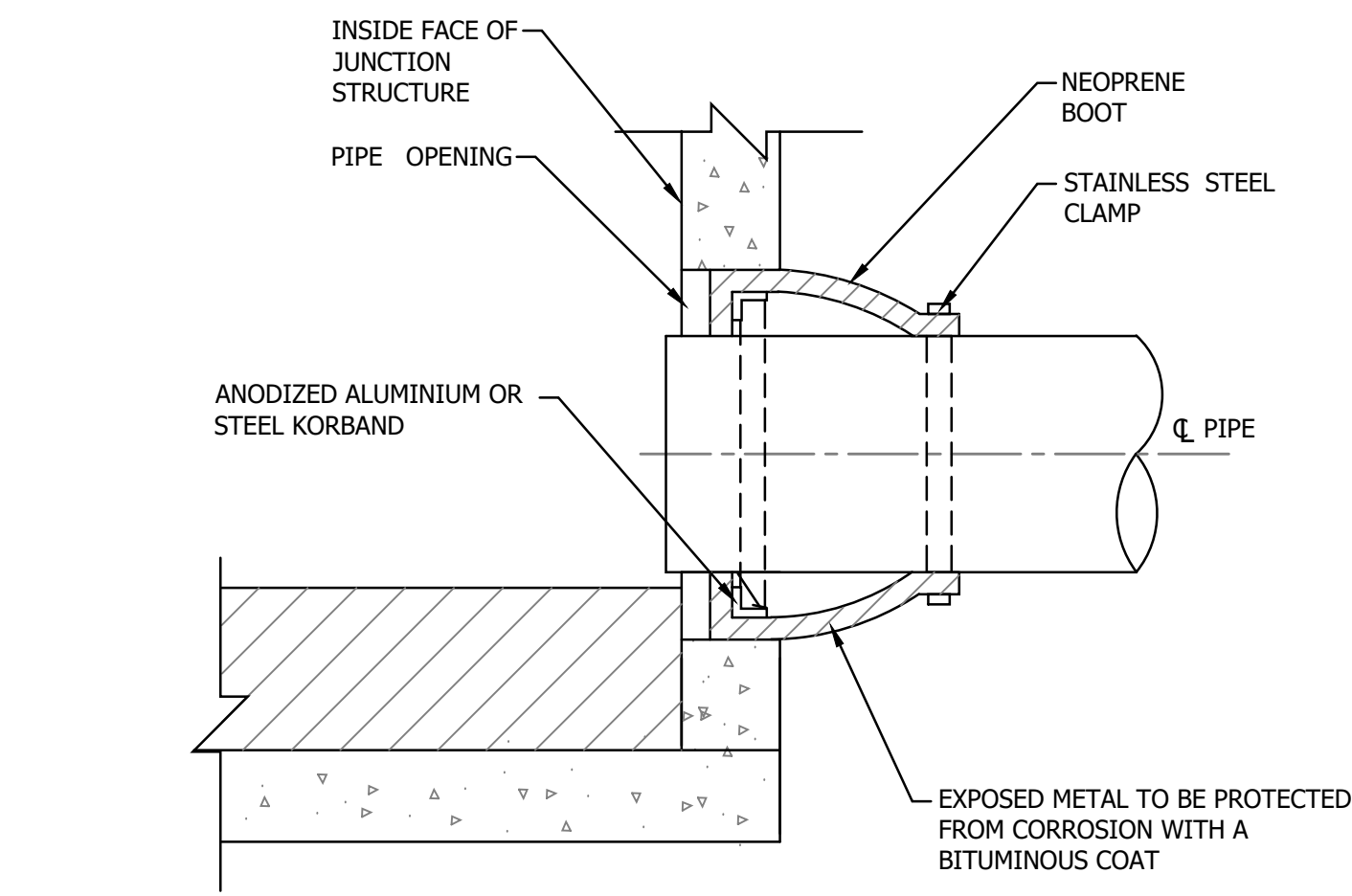
**CDM  
Smith**

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

Sheet

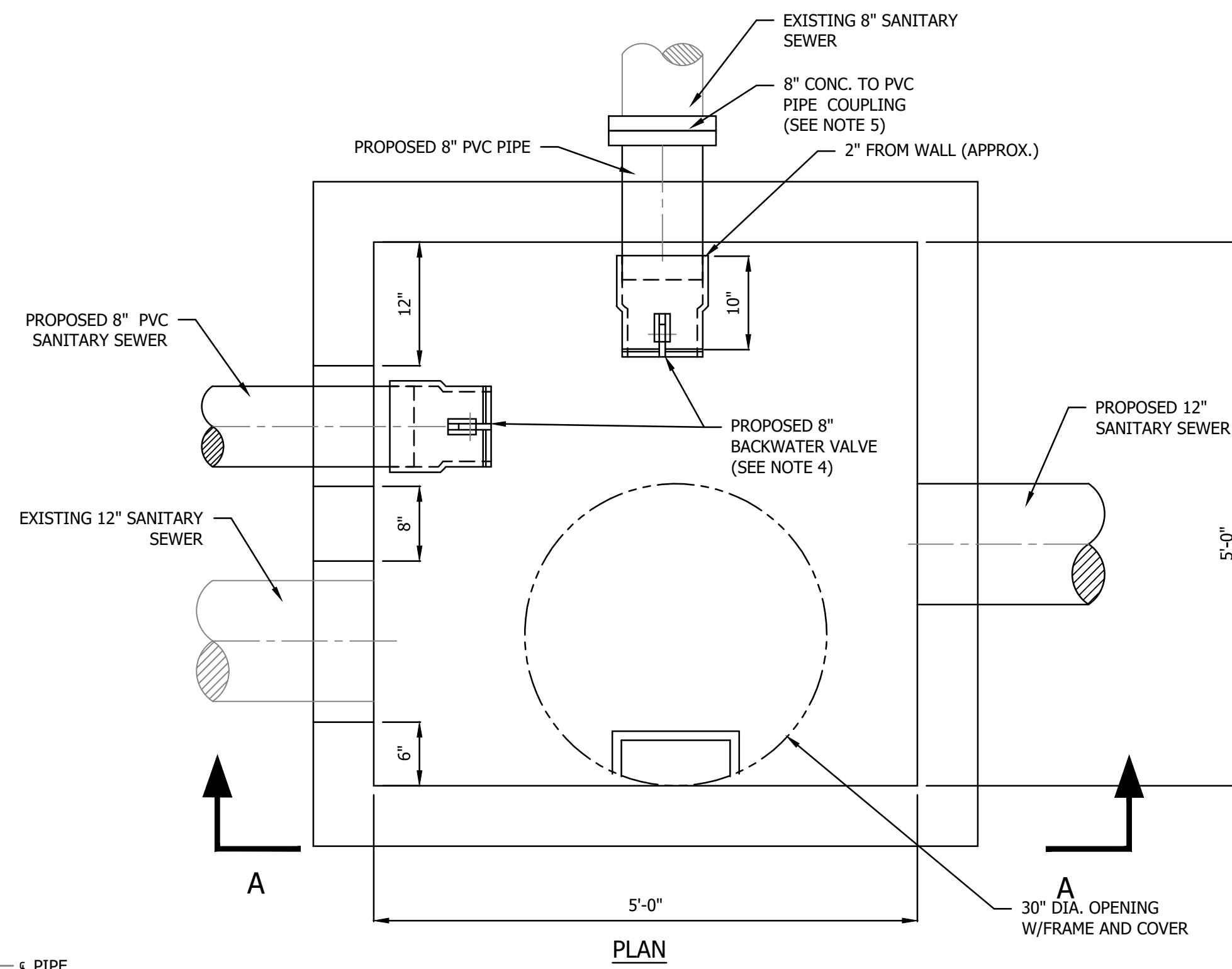
13 OF 16

Troy Street

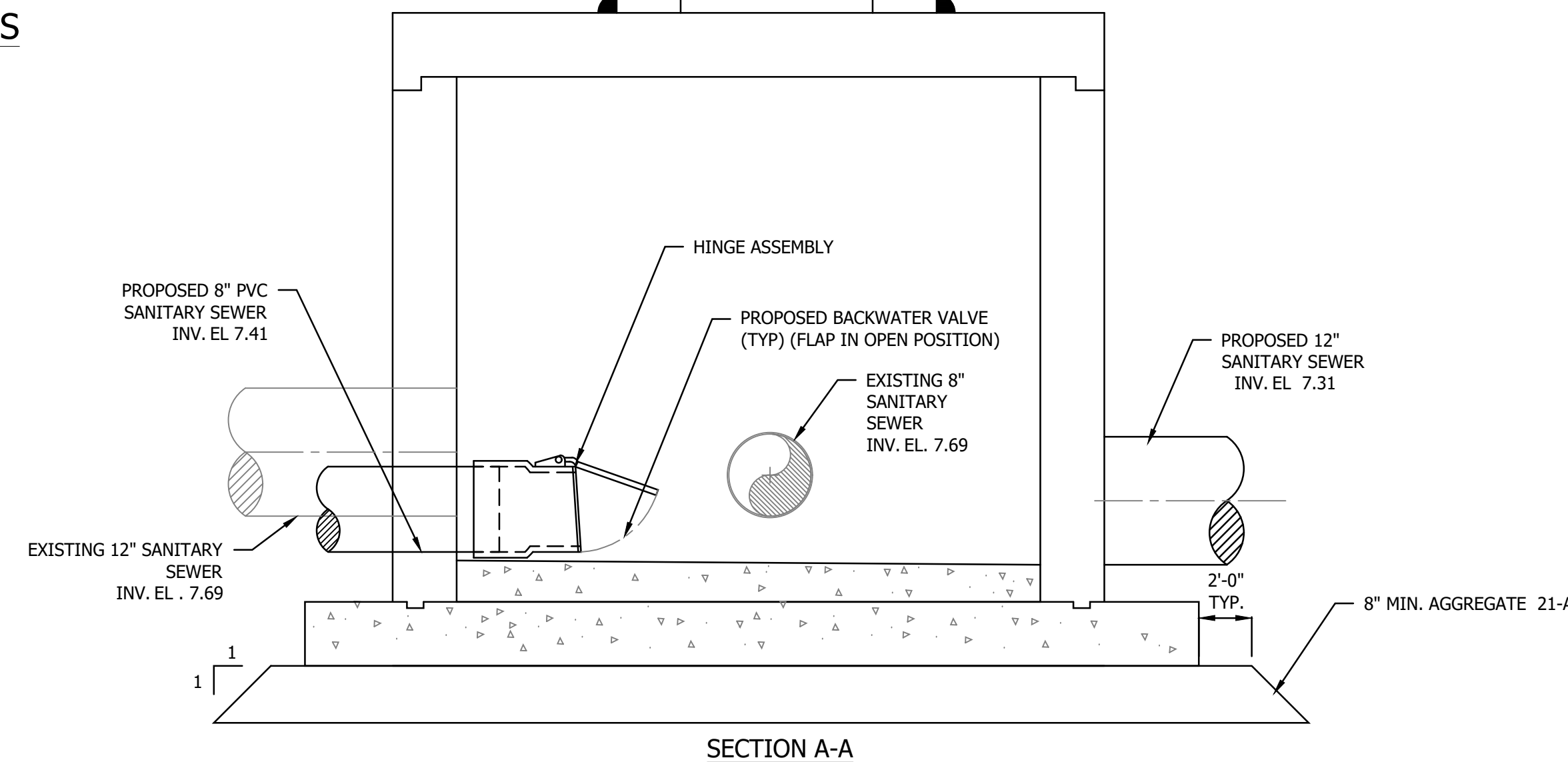
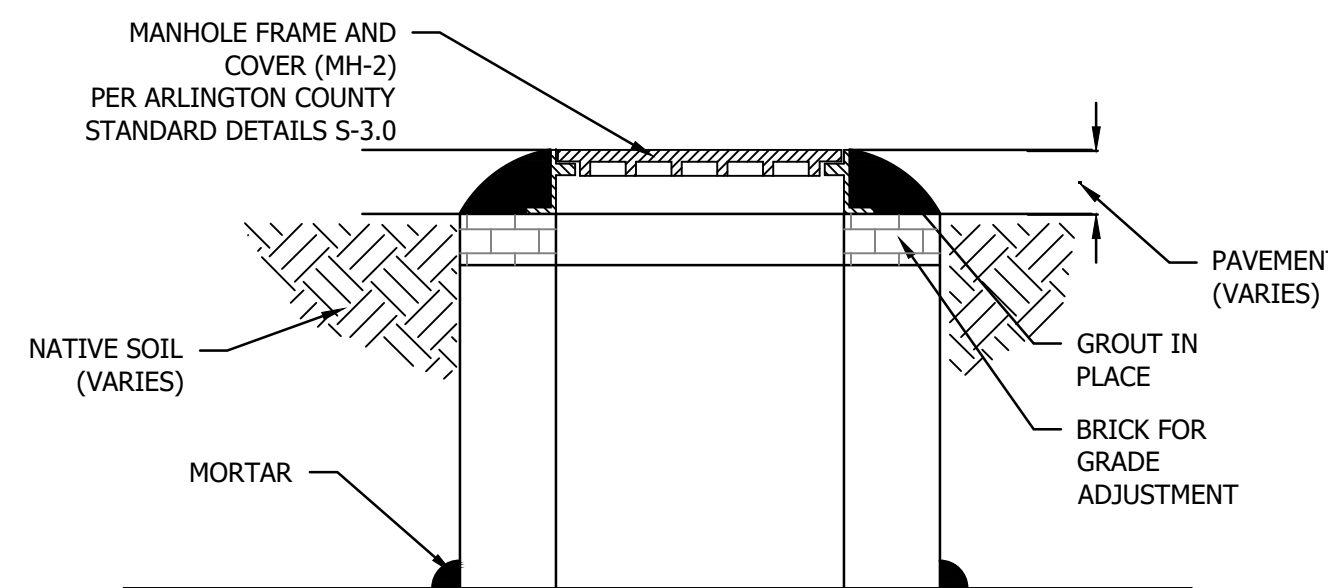


A-LOK SYSTEM

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



PLAN



SECTION A-A

**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

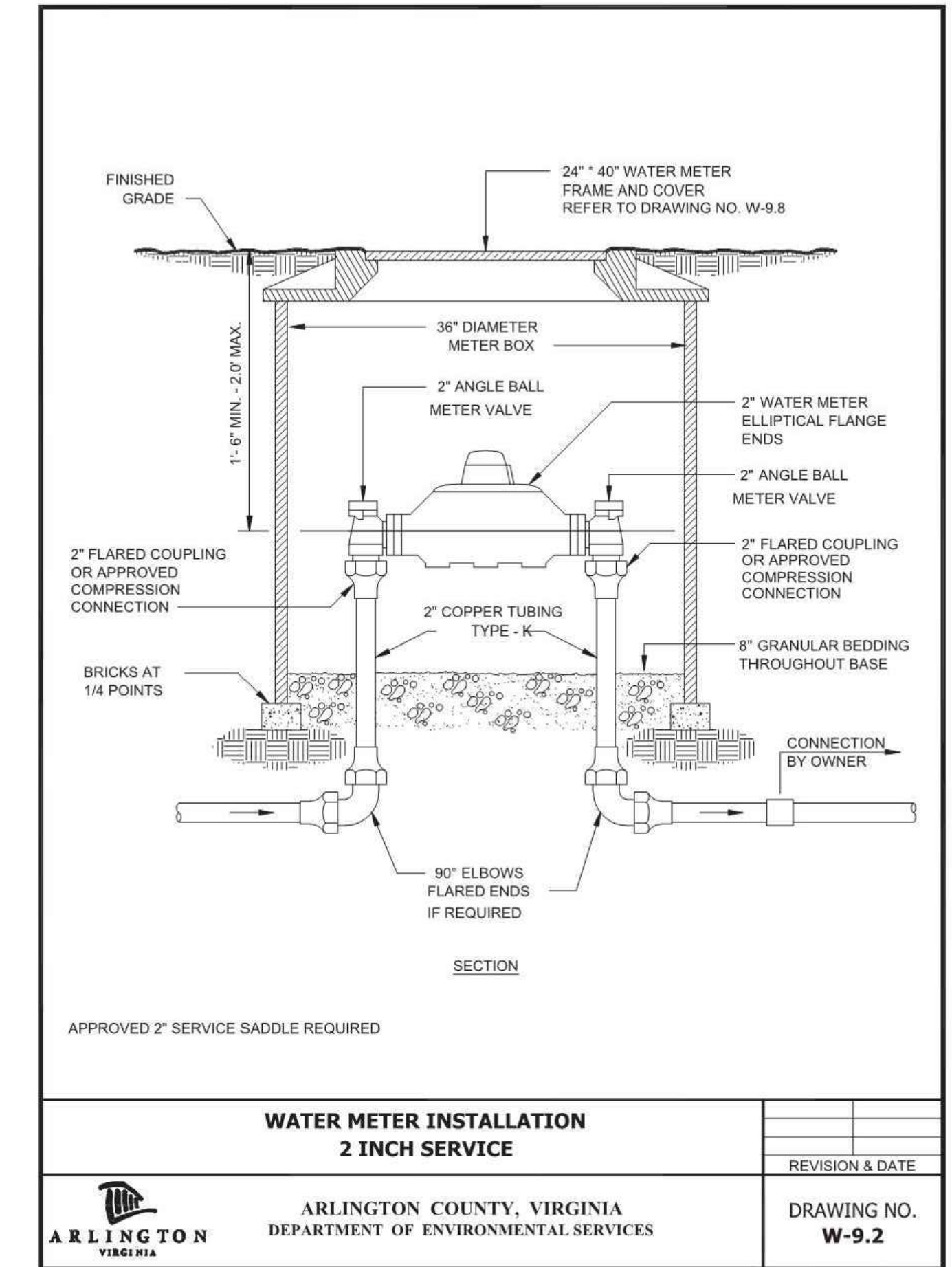
Revisions Date

Revisions	Date

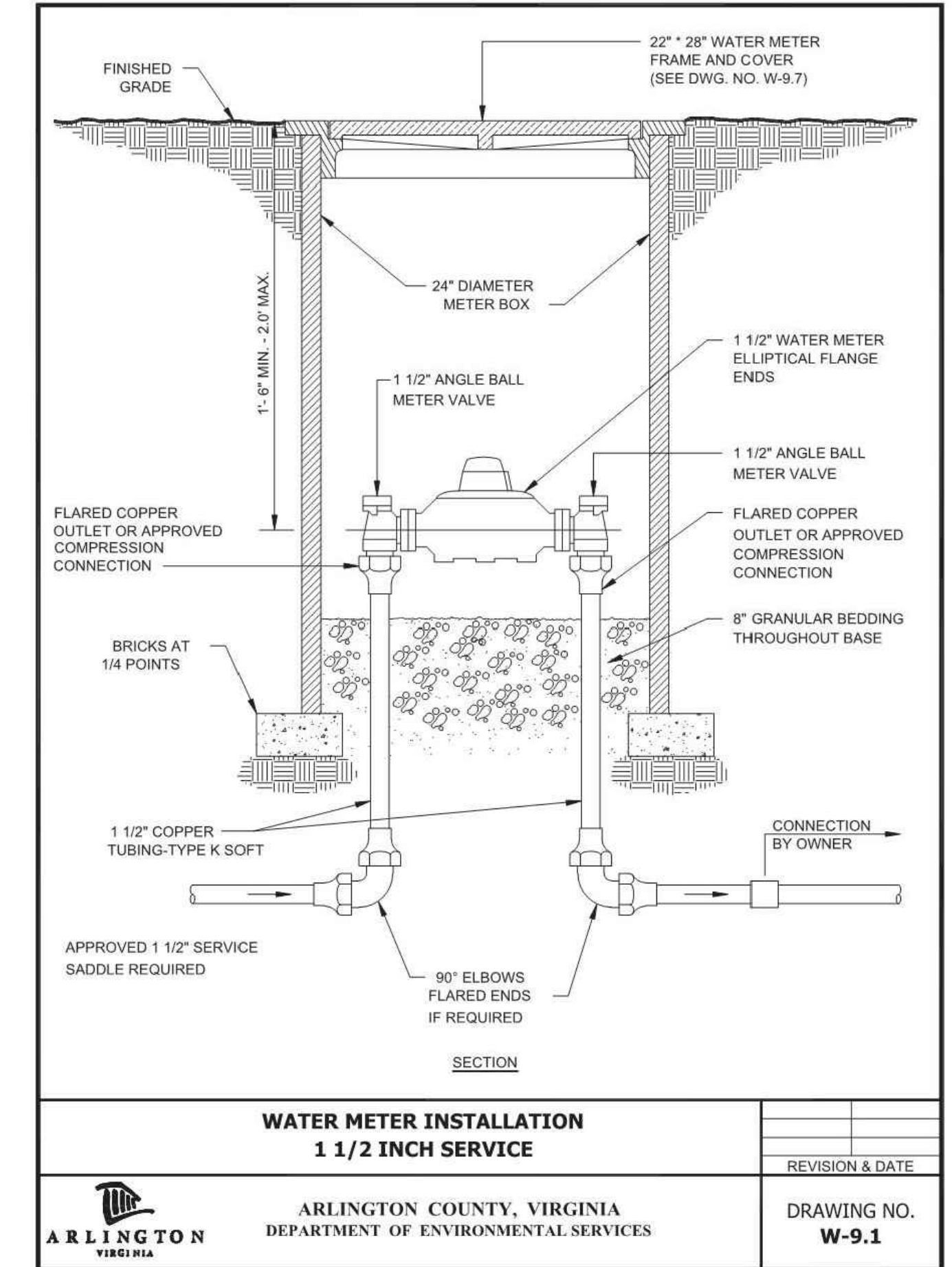
Project Name and Location  
**Troy Street**  
Water and Sewer Improvements  
Details Sheet 3

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Drawn: JJS  
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Plotted by: ReeseKB

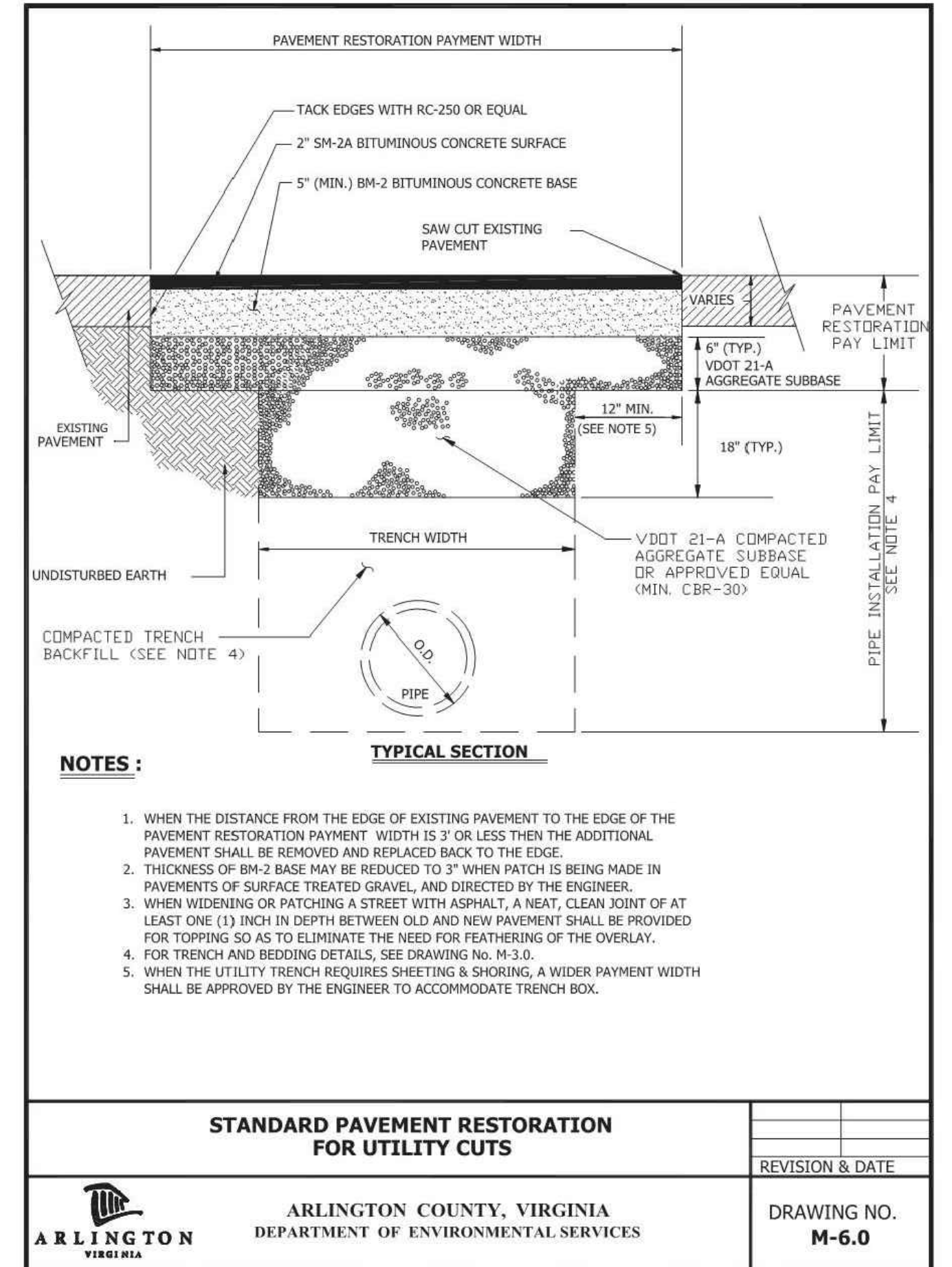
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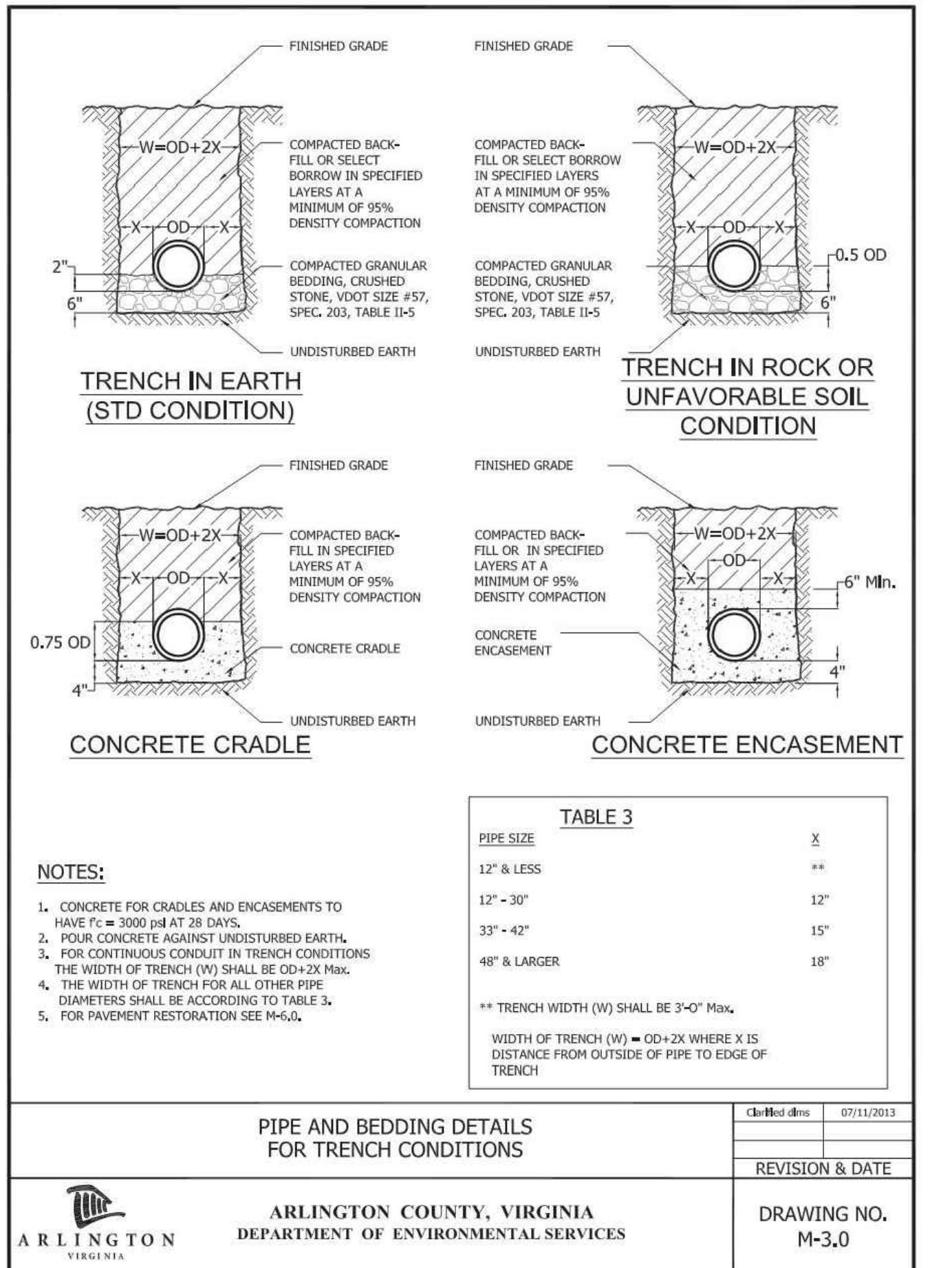
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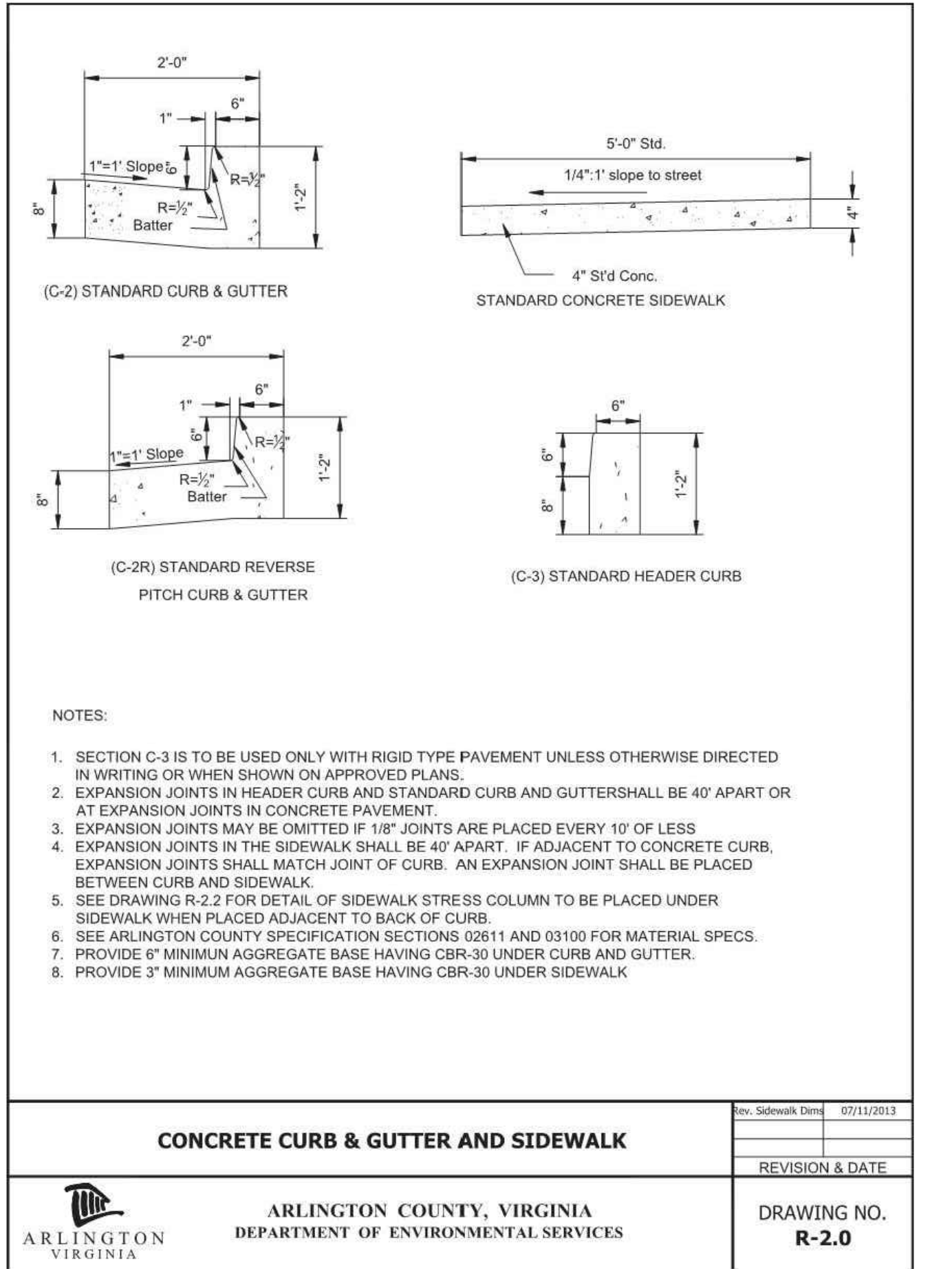
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES DRAWING NO. W-9.1



ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES DRAWING NO. M-6.0



ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES DRAWING NO. M-3.0



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



## EROSION AND SEDIMENT CONTROL LEGEND

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.05	SILT FENCE	SF	
3.07	STORM DRAIN INLET PROTECTION	IP	
3.09	TEMPORARY DIVERSION DIKE	DD	
3.18	OUTLET PROTECTION	OP	
3.20	ROCK CHECK DAMS	CD	
	DRAINAGE DIVIDE		

### LAND CONSERVATION NOTES:

- NO DISTURBED AREA WILL REMAIN DENUDE FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
- 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.
- ALL STORM AND SANITARY SEWER LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 100 FEET ARE TO BE OPEN AT ANY ONE TIME.
- ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL.
- 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.
- DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECTION.
- ANY DISTURBED AREA NOT COVERED BY NOTE #1 ABOVE AND 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.
- AT THE COMPLETION OF THE CONSTRUCTION PROJECT AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDE AREAS SHALL BE STABILIZED. ARLINGTON COUNTY INSPECTOR TO APPROVE REMOVAL OF ALL TEMPORARY SILTATION MEASURES.

June 19, 2020  
date

Qianqian Li, P.E.  
ESC Program Administrator  
Department of Environmental Services  
2100 Clarendon Boulevard, Suite S13  
Arlington, Virginia 22201

Re: Erosion and Sediment Control Permit Application for:

**Troy Street Water and Sewer Improvements**

street address

**2700 Blk S Troy Street and 2700 Blk S Uhle St**

lot, block, section subdivision

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:

- Reviewing the erosion and sedimentation (E&S) plan for the project.
- Walking the site prior to construction to identify critical areas.
- 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.
- 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.
- Reporting to the owner the presence inadequate or non functioning E&S controls when they are observed.
- 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.
- Calling (703) 228-0760 at least 80 hours before demolishing any structure.

I may be reached at 703-691-6437 with questions about this plan or my execution of the duties of  
telephone number

Responsible Land Disturber.

Sincerely,

signed

**Daniel Gilroy**

name printed

**VA PE #22914**

professional registration (type and number)

### PRE-STORM EROSION & SEDIMENTATION CHECKLIST:

PER EROSION AND SEDIMENT CONTROL GENERAL NOTE 6, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL EROSION AND SEDIMENT CONTROL (ESC) MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE COUNTY. THESE SUPPLEMENTARY PRACTICES ARE IN ADDITION TO THOSE SHOWN IN AN ESC PLAN. ESC PRACTICES SHALL BE MODIFIED AS NEEDED TO ENSURE ONLY CLEAR WATER IS DISCHARGED FROM THE SITE.

THE FOLLOWING ACTIONS SHALL BE TAKEN PRIOR TO STORM EVENTS WITH PREDICTED HEAVY AND/OR LARGE VOLUME RAINFALL TO PREVENT SEDIMENT DISCHARGES FROM A CONSTRUCTION SITE. A TYPICAL SUMMER THUNDERSTORM IS AN EXAMPLE OF A STORM EVENT WITH PREDICTED HEAVY AND/OR LARGE VOLUME RAINFALL.

#### A. PERIMETER CONTROLS

- SILT FENCE SHALL BE CHECKED FOR UNDERMINING, HOLES, OR DETERIORATION OF THE FABRIC. FENCING SHALL BE REPLACED IMMEDIATELY IF THE FABRIC IS DAMAGED OR WORN. SILT FENCE MUST BE TRENCHED INTO THE GROUND PER STATE SPECIFICATIONS (STD & SPEC 3.09).
- WOODEN STAKES OR STEEL POSTS SHALL BE PROPERLY SECURED UPRIGHT INTO THE GROUND. DAMAGED POSTS OR STAKES MUST BE REPLACED.
- SEDIMENT THAT HAS ACCUMULATED AGAINST THE SILT FENCE SHOULD BE REMOVED. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE LEVEL REACHES ONE-HALF THE HEIGHT OF THE FENCING.
- HAY BALES OR A STONE BERM SHOULD BE PACES ACROSS THE CONSTRUCTION ENTRANCE TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE.

#### B. EXPOSED SLOPES AND SOIL

- EXPOSED SLOPES NOT AT THE FINAL STABILIZATION PHASE SHALL BE COVERED WITH TARPS, PLASTIC SHEETING, OR EROSION CONTROL MATTING. COVERING MATERIAL SHALL BE PROPERLY SECURED/ANCHORED.
- CONTROLS SHALL BE INSTALLED TO PREVENT CONCENTRATED FLOW DOWN AN EXPOSED SLOPE. BERMS OR DIVERSION DIKES SHALL BE INSTALLED AT THE TOP OF CUT/EXPOSED SLOPES TO DIRECT STORM FLOW AROUND THE DISTURBED AREA.
- EXPOSED SLOPES AT THE FINAL STABILIZATION PHASE SHALL BE STABILIZED USING SOLE STABILIZATION PRACTICES SUCH AS SOIL STABILIZATION BLANKETS OR MATTING AS SPECIFIED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) STD & SPEC 3.36. BLANKETS OR MATS MUST BE PROPERLY SECURED AND ANCHORED TO THE SLOPE USING STAPLES, PINS, OR STAKES.
- SEEDED AREAS SHALL BE CHECKED AND RESEEDED AS NECESSARY TO COVER EXPOSED SOIL. RECENTLY SEEDED AREAS SHALL BE PROTECTED BY STRAW OR SOIL STABILIZATION BLANKETS TO PREVENT SEEDING FROM BEING WASHED AWAY.

#### C. STOCKPILES

- STOCKPILED SOIL AND OTHER LOOSE MATERIALS THAT CAN BE WASHED AWAY SHALL BE COVERED WITH A TARP, PLASTIC SHEETING, OR OTHER STABILIZATION MATTING. THE COVER MUST BE PROPERLY SECURED/ANCHORED DOWN TO PREVENT IT FROM BEING BLOWN OFF AND EXPOSING MATERIALS TO RAIN. CONTROLS SUCH AS HAY BALES OR BOOMS SHOULD BE PLACED ALONG THE PERIMETER OF THE STOCKPILE (DOWNHILL SIDE).

#### D. INLET PROTECTION

- INLET PROTECTION CONTROLS SHALL BE INSPECTED TO ENSURE THEY ARE FUNCTIONING PROPERLY AND FLOODING WILL NOT OCCUR. CLOGGED OR DAMAGED CONTROLS MUST BE REPLACED IMMEDIATELY. ENSURE CONTROLS ALLOW FOR OVERFLOW/BYPASS OF STORMWATER RUNOFF DURING SIGNIFICANT STORM EVENTS.

IN ADDITION TO THESE PRE-STORM ACTIONS, ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES MUST BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL.

### GENERAL EROSION AND SEDIMENT CONTROL NOTES

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VRS 62R-02-02 EROSION AND SEDIMENT CONTROL REGULATIONS.
- THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN THE AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION AND SEDIMENT CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT THE TIME OF ANY DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
- THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR MODIFICATIONS TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- ALL BIOFILTERS SHALL BE KEPT OFF-LINE UNTIL CONSTRUCTION IS COMPLETED AND ALL AREAS HAVE BEEN PROPERLY STABILIZED. THIS SHALL BE ACHIEVED BY USING INLET PROTECTION AT THE CURB CUTS AND STORMWATER CATCH BASINS LEADING DIRECTLY INTO THE BIOFILTERS.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MSA PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION 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 (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S M54 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 ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STAT WATERS.

### PROJECT DESCRIPTION:

THE TROY STREET WATER AND SEWER IMPROVEMENTS PROJECT IS CONSTRUCTION OF APPROXIMATELY 1,013 LINEAR FEET OF 8-INCH SEWER LINE AND 1,158 LINEAR FEET OF 8 AND 12-INCH WATER MAIN. THIS PROJECT APPROXIMATELY RUNS FROM 2010 SOUTH 27TH STREET TO 2831 SOUTH GLEBE ROAD, FROM INTERSECTION OF SOUTH UHLE STREET AND SOUTH GLEBE ROAD FRONTAGE TO INTERSECTION OF SOUTH TROY STREET AND SOUTH GLEBE ROAD FRONTAGE; AND FROM 2000 SOUTH 27TH STREET TO INTERSECTION OF SOUTH TROY STREET AND SOUTH GLEBE ROAD FRONTAGE.

### EXISTING SITE CONDITIONS:

SOUTH UHLE STREET, SOUTH TROY STREET AND SOUTH GLEBE ROAD FRONTAGE ARE ALL PAVED NEIGHBORHOOD MINOR STREETS WITH SPEED LIMIT OF 25 MPH. THERE ARE STREET PARKINGS ON BOTH SIDE OF SOUTH UHLE AND SOUTH TROY STREET, AND ON ONE SIDE OF SOUTH GLEBE ROAD FRONTAGE.

### ADJACENT PROPERTIES:

THERE ARE RESIDENCE HOUSES ON BOTH SIDE OF SOUTH TROY AND SOUTH UHLE STREETS AND ONE SIDE OF SOUTH GLEBE ROAD FRONTAGE.

### OFF-SITE AREAS:

THERE ARE NO OFFSITE AREAS FOR THIS PROJECT.

### CRITICAL AREAS:

THERE ARE NO STEEP SLOPES OR CRITICAL AREAS LOCATED WITHIN THE LIMITS OF DISTURBANCE.

### EROSION AND SEDIMENT CONTROL MEASURES:

THE EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT AREA INCLUDE SAFETY FENCE AND INLET PROTECTION. INLET PROTECTION IS REQUIRED OUTSIDE THE PROJECT LIMITS WHEN/WHERE WATER FROM DISTURBED AREA FLOWS.

### PERMANENT STABILIZATION:

ALL OF THE AREAS DISTURBED WITH THIS PLAN WILL BE RETURNED TO A SIMILAR CONDITION TO EXISTING. ALL UNPAVED AREAS WILL BE STABILIZED WITH GRASS OR MULCH.

### STORMWATER RUNOFF CONSIDERATIONS:

NO ADDITIONAL IMPERVIOUS AREA WILL BE ADDED TO THIS PROJECT.

TOTAL LAND DISTURBANCE.....=14,000 SF (0.32 ACRES)  
PRE-IMPROVEMENT IMPERVIOUS AREA.....=14,000 SF (0.32 ACRES)  
POST-IMPROVEMENT IMPERVIOUS AREA.....=14,000 SF (0.32 ACRES)  
INCREASED IMPERVIOUS AREA.....=0 SF (0 ACRES)

### EROSION & SEDIMENT CONTROL PROGRAM:

- THE EROSION CONTROL PLAN IS INTENDED TO ESTABLISH ENTRANCES AND PERIMETER CONTROL MEASURES WHICH INCLUDES SILT FENCE (SF), INLET PROTECTION (IP), AND OTHER CONTROLS SPECIFIED ON THE PLANS.
- NO DISTURBED AREA WILL REMAIN DENUDE FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY ARLINGTON COUNTY.
- WHERE CONSISTENT WITH JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. NO MATERIAL SHALL BE PLACED IN STRAMBEDS. ANY STOCKPILED MATERIAL WHICH WILL REMAIN IN PLACE LONGER THAN 7 DAYS SHALL BE SEEDED AND MULCHED. WHEN SPOIL IS PLACED ON THE DOWNHILL SIDE OF TRENCH, IT SHALL BE BACKSLOPED TO DRAIN TOWARD THE TRENCH. WHEN NECESSARY TO DEWATER THE TRENCH, THE PUMP DISCHARGE HOSE SHALL OUTLET IN A STABILIZED AREA OR A SEDIMENT TRAPPING DEVICE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
- 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.

- DURING CONSTRUCTION, ALL STORM SEWER INLETS WILL BE PROTECTED BY INLET PROTECTION.
- ALL PRACTICES AND CONTROL DEVICES DESCRIBED HEREIN, SHALL CONFORM TO THE CURRENT VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH). IN ADDITION, THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS TO MINIMIZE THE VOLUME OF SILT:
  - CONTRACTOR SHALL EVALUATE THE SITE TO DETERMINE EXTENSIVE CUT AND FILL AREAS, AND SHALL WORK THOSE AREAS TO MINIMIZE THE EXTENT OF HEAVY EQUIPMENT WORK. CONTRACTOR SHALL STRIVE TO BRING AREAS TO GRADE (ROUGH OR FINISH) AND TO STABILIZE, BY TEMPORARY OR PERMANENT VEGETATION, THESE DISTURBED AREAS PRIOR TO BEGINNING WORK IN ANOTHER AREA.
  - FILL AREAS SHALL BE COMPACTED COMPLETELY PRIOR TO THE END OF EACH WORK DAY. FILL SLOPE SURFACES SHALL BE KEPT ROUGHENED TO REDUCE SHEET EROSION OF THE SLOPES. CONTRACTOR SHALL RE-DIRECT CONCENTRATED RUNOFF, BY EARTH BERMS OR OTHER DEVICES, AROUND ACTIVELY DISTURBED AREAS TO STABILIZED OUTLETS.
  - CUT SLOPE, AS NECESSARY, SHALL BE PROTECTED FROM CONCENTRATED FLOW BY BERMS ABOVE THE SLOPE AND DIRECTED AROUND THE DISTURBED AREA TO STABILIZED OUTLETS.

### ARLINGTON COUNTY STORMWATER GUIDANCE MANUAL:

- ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MSA 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 (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S M54 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.

### EROSION & SEDIMENT CONTROL:

#### STEP 1:

- INSTALL INLET PROTECTION AT ALL EXISTING STORM DRAIN INLETS THAT MAY BE IMPACTED BY RUNOFF FROM THE SITE.

#### STEP 2:

- FOLLOWING COMPLETION OF EROSION CONTROL INSTALLATION AS DESCRIBED IN STEP 1 OF THE SEDIMENT CONTROL PROGRAM, AND AFTER APPROVAL BY THE COUNTY INSPECTOR, PIPELINE INSTALLATION.
- ANY EXCESS SOIL MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH VDOT AND ARLINGTON COUNTY REGULATIONS.
- AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE CONTRACTOR MAY REMOVE EROSION AND SEDIMENT CONTROL MEASUREMENTS UPON THE APPROVAL OF THE COUNTY INSPECTOR.
- THE CONTRACTOR RESERVES THE RIGHT TO DETERMINE SEQUENCING OF CONSTRUCTION; HOWEVER, AT NO TIME SHALL THE SITE BE UNPROTECTED FROM SEDIMENT EROSION.

### MAINTENANCE PROGRAM:

THE FOLLOWING IS A PROGRAM OF MAINTENANCE FOR THE MECHANICAL CONTROLS SPECIFIED IN THIS NARRATIVE AND ON THE PLAN:

- THE SITE SUPERINTENDENT OR HIS/HER REPRESENTATIVE SHALL MAKE A VISUAL INSPECTION OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREA (I.E. SEEDED AND MULCHED AND/OR SODDED AREAS) ON A DAILY BASIS; ESPECIALLY AFTER A HEAVY RAINFALL EVENT TO ENSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING. ANY DAMAGED CONTROLS SHALL BE REPAIRED PRIOR TO THE END OF THE WORK DAY INCLUDING RE-SEEEDING AND MULCHING OR RE-SODDING IF NECESSARY.
- ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEARED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR IF NOT SUITABLE FOR FILL, HAULING AWAY AND DEPOSITING AT AN ACCEPTABLE DUMP SITE.
- THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PREVENT MUD AND/OR OTHER DEBRIS FROM BEING ENTERED ONTO EXISTING SWM/BMP FACILITIES OR DOWNSTREAM WATER WAYS. SHOULD OFF-SITE AREAS BECOME POLLUTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE AFFECTED AREAS TO THE SATISFACTION OF THE INSPECTOR.
- AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ANY REMAINING DENUDE AREAS SHALL BE STABILIZED. CERTAIN DEVICES MAY BE REMOVED PRIOR TO CONSTRUCTION COMPLETION BUT ONLY WITH THE APPROVAL OF THE COUNTY INSPECTOR.
- AFTER CONSTRUCTION OPERATIONS HAVE ENDED, ALL DISTURBED AREAS SHALL BE STABILIZED. UPON APPROVAL OF THE COUNTY INSPECTOR, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION WITHIN 30 DAYS.

### CONSTRUCTION ENTRANCE

- THERE IS NO CONSTRUCTION ENTRANCE ON THIS PROJECT UNLESS DIRECTED BY THE COUNTY INSPECTOR.
- IF DIRECTED BY THE INSPECTOR.
  - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC WASHING OF THE MATS AND/OR REPLACEMENT OF WOOD CHIPS AS NECESSARY.
  - ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
  - THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED INTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.

### SILT FENCE

- THERE IS NO SILT FENCE ON THIS PROJECT UNLESS DIRECTED BY THE COUNTY INSPECTOR
- IF DIRECTED BY THE INSPECTOR.
  - SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
  - CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.
  - CLOSE THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE

- CONTRACTOR SHALL EVALUATE THE SITE TO DETERMINE EXTENSIVE CUT AND FILL AREAS, AND SHALL WORK THOSE AREAS TO MINIMIZE THE EXTENT OF HEAVY EQUIPMENT WORK. CONTRACTOR SHALL STRIVE TO BRING AREAS TO GRADE (ROUGH OR FINISH) AND TO STABILIZE, BY TEMPORARY OR PERMANENT VEGETATION, THESE DISTURBED AREAS PRIOR TO BEGINNING WORK IN ANOTHER AREA.
- FILL AREAS SHALL BE COMPACTED COMPLETELY PRIOR TO THE END OF EACH WORK DAY. FILL SLOPE SURFACES SHALL BE KEPT ROUGHENED TO REDUCE SHEET EROSION OF THE SLOPES. CONTRACTOR SHALL RE-DIRECT CONCENTRATED RUNOFF, BY EARTH BERMS OR OTHER DEVICES, AROUND ACTIVELY DISTURBED AREAS TO STABILIZED OUTLETS.
- CUT SLOPE, AS NECESSARY, SHALL BE PROTECTED FROM CONCENTRATED FLOW BY BERMS ABOVE THE SLOPE AND DIRECTED AROUND THE DISTURBED AREA TO STABILIZED OUTLETS.

### INLET PROTECTION (ALL TYPES)

- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY.
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

### TREE PROTECTION

THERE IS NO TREE PROTECTION IDENTIFIED ON THIS PROJECT. ALL TREES TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE COUNTY INSPECTOR AND URBAN FORESTER. THE COUNTY'S URBAN FORESTER (703-228-1863) SHALL INSPECT ALL TREE PROTECTION 72 HOURS PRIOR TO THE START OF CONSTRUCTION. IN SPITE OF PRECAUTIONS, SOME DAMAGE TO PROTECTED TREES MAY OCCUR. IN SUCH CASES, THE FOLLOWING MAINTENANCE GUIDELINES SHOULD BE FOLLOWED:

- SOIL AERATION: IF THE SOIL HAS BECOME COMPACTED OVER THE ROOT ZONE OF ANY TREE, THE GROUND SHALL BE AERATED BY PUNCHING HOLES WITH AN IRON BAR. THE BAR SHALL BE DRIVEN 1-FOOT DEEP AND THEN MOVED BACK AND FORTH UNTIL THE SOIL IS LOOSENEED. THIS PROCEDURE SHALL BE REPEATED EVERY 18 INCHES UNTIL ALL OF THE COMPACTED SOIL BENEATH THE CROWN OF THE TREE HAS BEEN LOOSENEED.
- REPAIR OF DAMAGE:
  - ANY DAMAGE TO THE CROWN, TRUNK, OR ROOT SYSTEM OF ANY TREE RETAINED ON THE SITE SHALL BE REPAIRED IMMEDIATELY.
  - WHENEVER MAJOR ROOT OR BARK DAMAGE OCCURS, REMOVE SOME FOLIAGE TO REDUCE THE DEMAND FOR WATER AND NUTRIENTS.
  - DAMAGED ROOTS SHALL IMMEDIATELY BE CUT OFF CLEARLY INSIDE THE EXPOSED OR DAMAGED AREA. CUT SURFACES SHALL BE PAINTED WITH APPROVED TREE PAINT, AND MOST HEAT MOSS, BURLAP, OR TOPSOIL SHALL BE SPREAD OVER THE EXPOSED AREA.
  - TO TREAT BARK DAMAGE, CAREFULLY CUT AWAY ALL LOOSENEED BARK BACK INTO THE UNDAUNAGED AREA, TAPER THE CUT AT THE TOP AND BOTTOM, AND PROVIDE DRAINAGE AT THE BASE OF THE WOUND.
  - ALL TREE LIMBS DAMAGED DURING CONSTRUCTION OR REMOVED FOR ANY OTHER REASON SHALL BE CUT OFF ABOVE THE COLLAR AT THE PRECEDING BRANCH JUNCTION.
  - CARE FOR SERIOUS INJURIES SHALL BE PRESCRIBED BY A FORESTER OR A TREE SPECIALIST.
- FERTILIZATION: BROADLEAF TREES THAT HAVE BEEN STRESSED OR DAMAGED SHALL RECEIVE A HEAVY APPLICATION OF FERTILIZER TO AID THEIR RECOVERY.
  - TREES SHALL BE FERTILIZED IN THE LATE FALL (AFTER OCTOBER 1) OR THE EARLY SPRING (FROM THE TIME FROST IS OUT OF THE GROUND UNTIL MAY 1). FALL APPLICATIONS ARE PREFERRED, AS THE NUTRIENTS WILL BE MADE AVAILABLE OVER A LONGER PERIOD OF TIME.
  - FERTILIZER SHALL BE APPLIED TO THE SOIL OVER THE FEEDER ROOTS. IN NO CASE SHOULD IT BE APPLIED CLOSER THAN 3 FEET TO THE TRUNK. THE ROOT SYSTEM OF TREES EXTENDS SOME DISTANCE BEYOND THE DRIP LINE. INCREASE THE AREA TO BE FERTILIZED BY ONE FOURTH THE AREA OF THE CROWN.
  - FERTILIZER SHALL BE APPLIED USING APPROVED FERTILIZATION METHODS AND EQUIPMENT.
  - FORMULATIONS AND APPLICATION RATES SHALL CONFORM TO THE GUIDELINES GIVEN IN TABLE 3.38-A OF VESCH.

### DEWATERING (ALL TYPES)

- THE FILTERING DEVICES MUST BE INSPECTED FREQUENTLY AND REPAIRED OR REPLACED ONCE THE SEDIMENT BUILD-UP PREVENTS THE STRUCTURE FROM FUNCTIONING AS DESIGNED.
- THE ACCUMULATED SEDIMENT WHICH IS REMOVED FROM A DEWATERING DEVICE MUST BE SPREAD ON-SITE AND STABILIZED OR DISPOSED OF AT AN APPROVED DISPOSAL SITE AS PER APPROVED PLAN.

### TEMPORARY SEEDING:

SEE SHEET III-288 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) FOR ALLOWABLE PLANTING MATERIAL, SEEDING RATES, AND DATES. THE PLANTING REQUIREMENTS OF THE "SOD" SHALL BE FOLLOWED. LIMING SHALL BE BASED ON TABLE 3.31-A OF VESCH. FERTILIZERS SHALL BE APPLIED AS 600 LB/ACRE. THE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 2-4" OF SOIL. SEED SHALL BE EVENLY APPLIED AND SMALL GRAINS SHALL BE PLANTED NO MORE THAN 1.5" DEEP. SEEDING MADE IN FALL FOR WINTER COVER AND DURING HOT SUMMER MONTHS SHALL BE MULCHED.

### PERMANENT SEEDING:

SINCE THE SUBJECT SITE IS LOCATED IN THE COASTAL PLAIN AREA OF VIRGINIA, SHEET III-304 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK SHALL BE FOLLOWED FOR FINAL SEEDING MATERIAL, SEEDING RATES, AND DATES OF APPLICATION.

### SODDING:

SODDED AREAS SHALL BE BROUGHT TO FINAL GRADE IN ACCORDANCE WITH THE APPROVED PLANS. SOIL TEST SHOULD BE MADE TO DETERMINE THE EXACT REQUIREMENTS FOR LIME AND FERTILIZER. PRIOR TO LAYING SOD, SOIL SURFACE SHALL BE CLEAR OF TRASH, DEBRIS AND LARGE OBJECTS. QUALITY OF SOD SHALL BE STATE CERTIFIED AND ENSURE GENETIC PURITY AND HIGH QUALITY. SOD SHALL NOT BE LAID IN EXCESSIVELY WET OR DRY WEATHER AND BE DELIVERED AND INSTALLED WITHIN 36 HOURS. SOD SHOULD NOT BE LAID ON FROZEN SOIL SURFACE AND SHALL BE INSTALLED PER PAGE III-339 OF VESCH.

### DUST CONTROL:

DUST SHALL BE CONTROLLED USING A VARIETY OF METHODS TO INCLUDE VEGETATIVE COVER, MULCH, TILLAGE, IRRIGATION, SPRAY-ON ADHESIVES, STONE, BARRIERS, AND CALCIUM CHLORIDE. THE IMPLEMENTATION OF THE DUST CONTROL METHODS SHALL BE INSTALLED PER SECTION 3.39 OF VESCH.

### UTILITY INSTALLATION:

UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

- NO MORE THAN 100 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- EFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
- RESTALLATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
- APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

### FLOODPLAIN AND RESOURCE PROTECTION AREA (RPA):

THERE ARE NO RESOURCE PROTECTION AREAS LOCATED WITHIN THIS PROJECT SITE. A PORTION OF PROJECT IS LOCATED WITHIN 100-YEAR FLOODPLAIN AREA.

FOR ALL DETAILS AND SPECIFICATIONS, SEE THE VIRGINIA  
ER



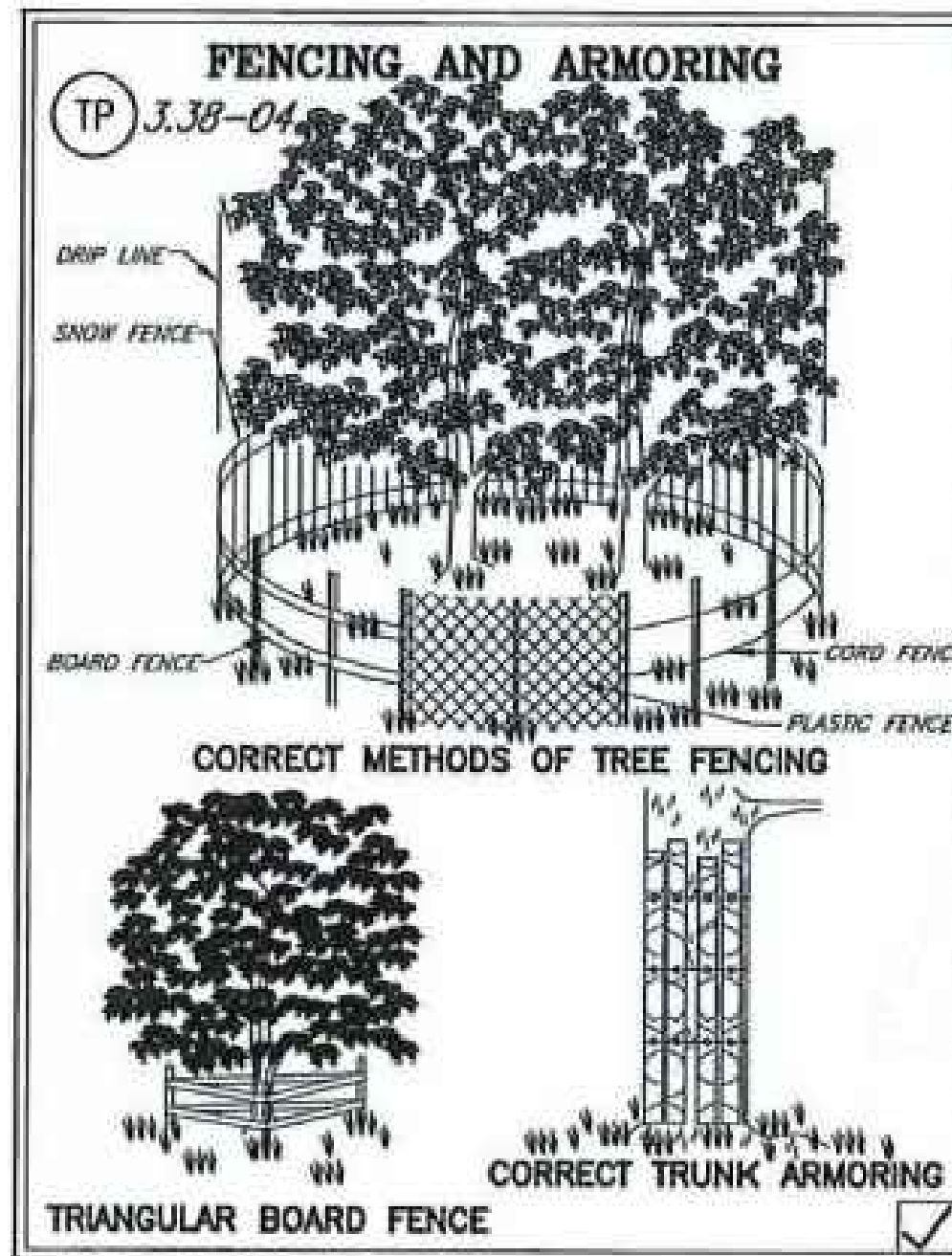
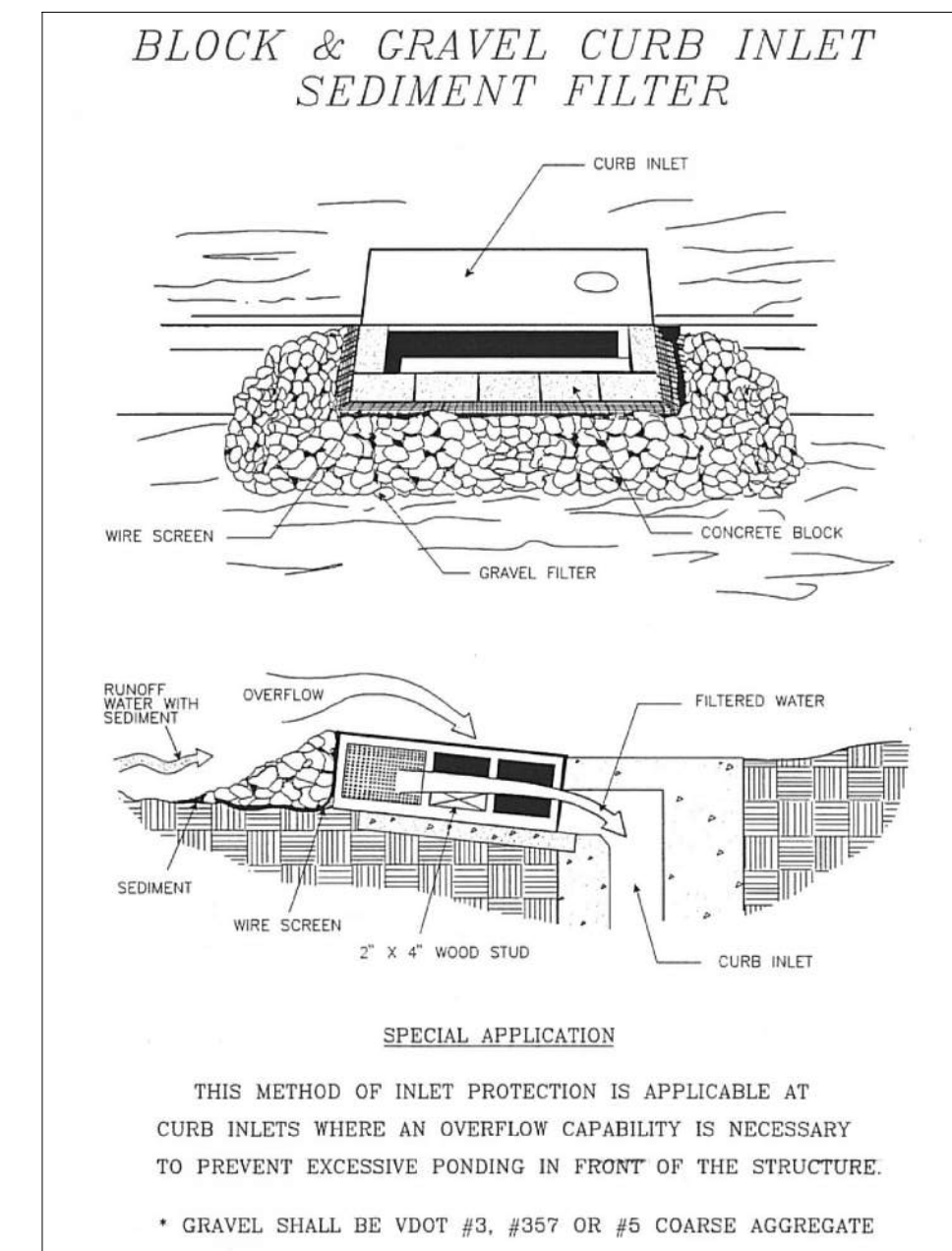
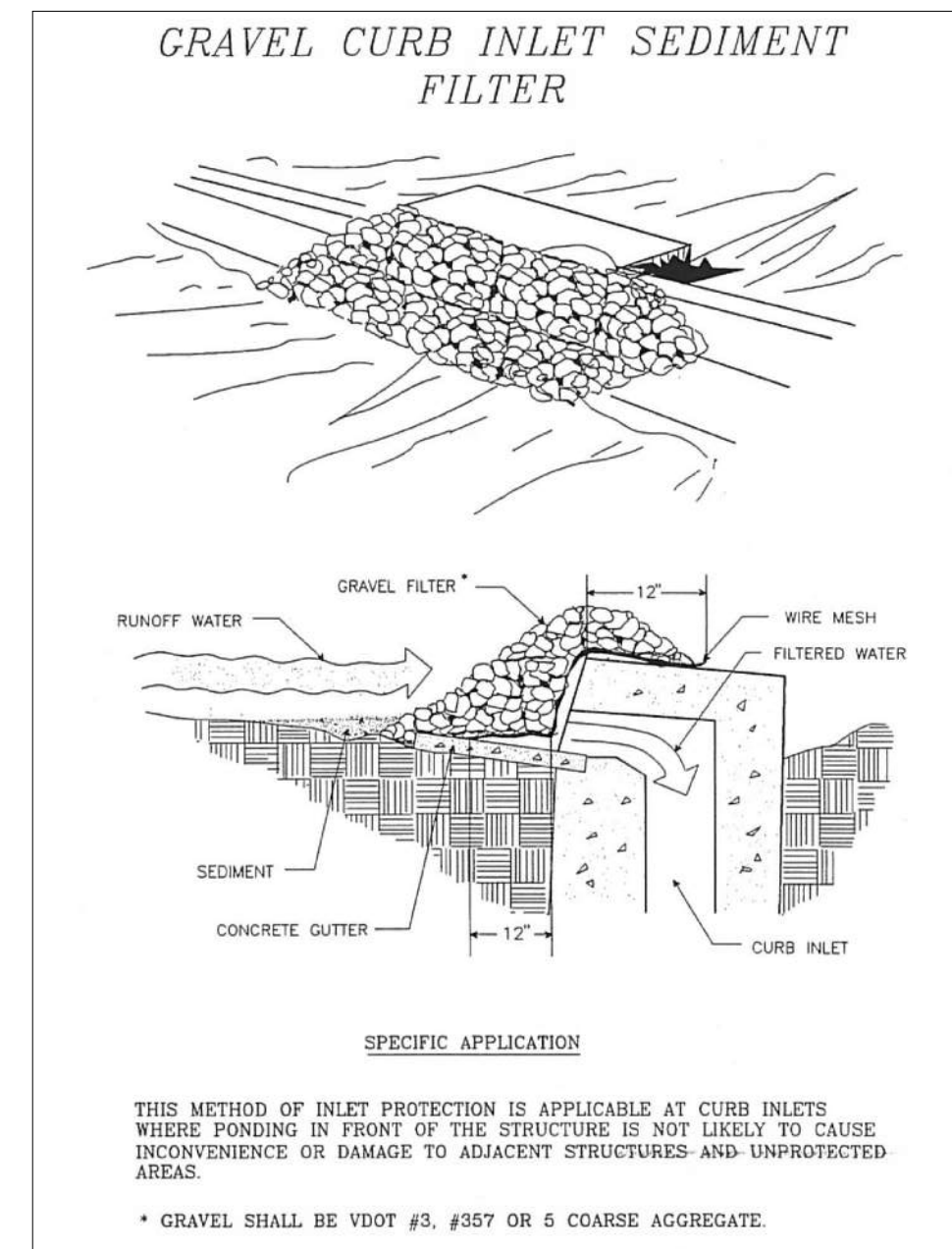
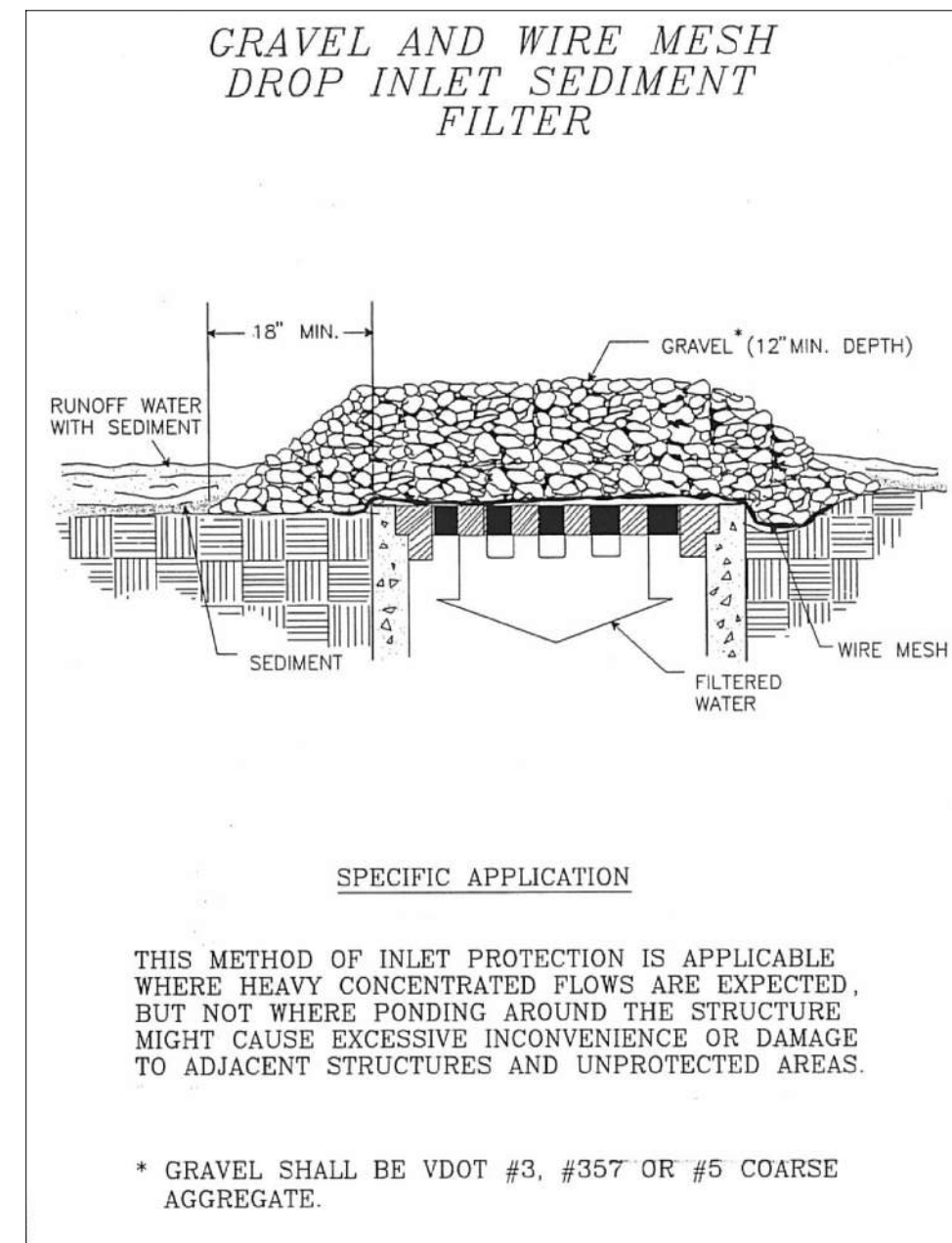
# EROSION AND SEDIMENT CONTROL

## I. EROSION CONTROL NARRATIVE

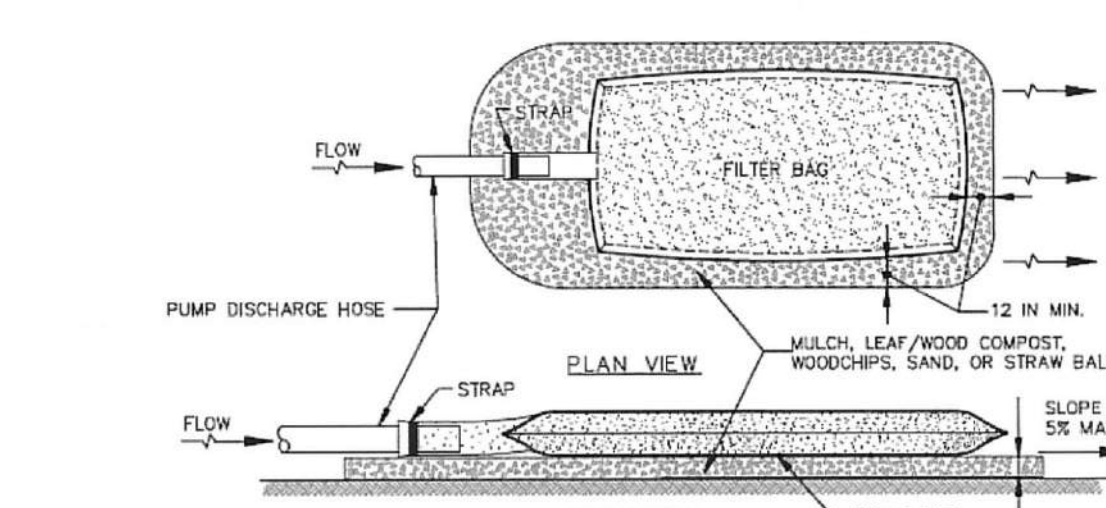
PRIOR TO ANY LAND DISTURBING OPERATIONS, THE EROSION CONTROLS, AS SPECIFIED BY THE ENGINEERING PLANS, SHALL BE INSTALLED. ALL MECHANICAL AND VEGETATIVE PRACTICES SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS CONTAINED IN THE ARLINGTON COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE AND THE VIRGINIA EROSION 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 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.



- CONSTRUCTION SPECIFICATIONS**
- TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
  - PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
  - CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
  - REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
  - USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARS) FOR THE FOLLOWING:  

GRAB TENSILE	250 LB	ASTM D-4532
PUNCTURE	150 LB	ASTM D-4533
FLOW RATE	70 GAL/MIN/FT <sup>2</sup>	ASTM D-4491
PERMITTIVITY (SEC <sup>2</sup> )	1.2 SEC <sup>2</sup>	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15-0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4532
  - REPLACE FILTER BAG IF BAG CLOSURE HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

**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			Other Toxic Chemicals
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	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	(8)	
Sanitary waste	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			X	X					X	(9)	
Landscaping operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X			X				X	(10)	
Equipment and vehicle maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					X	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.

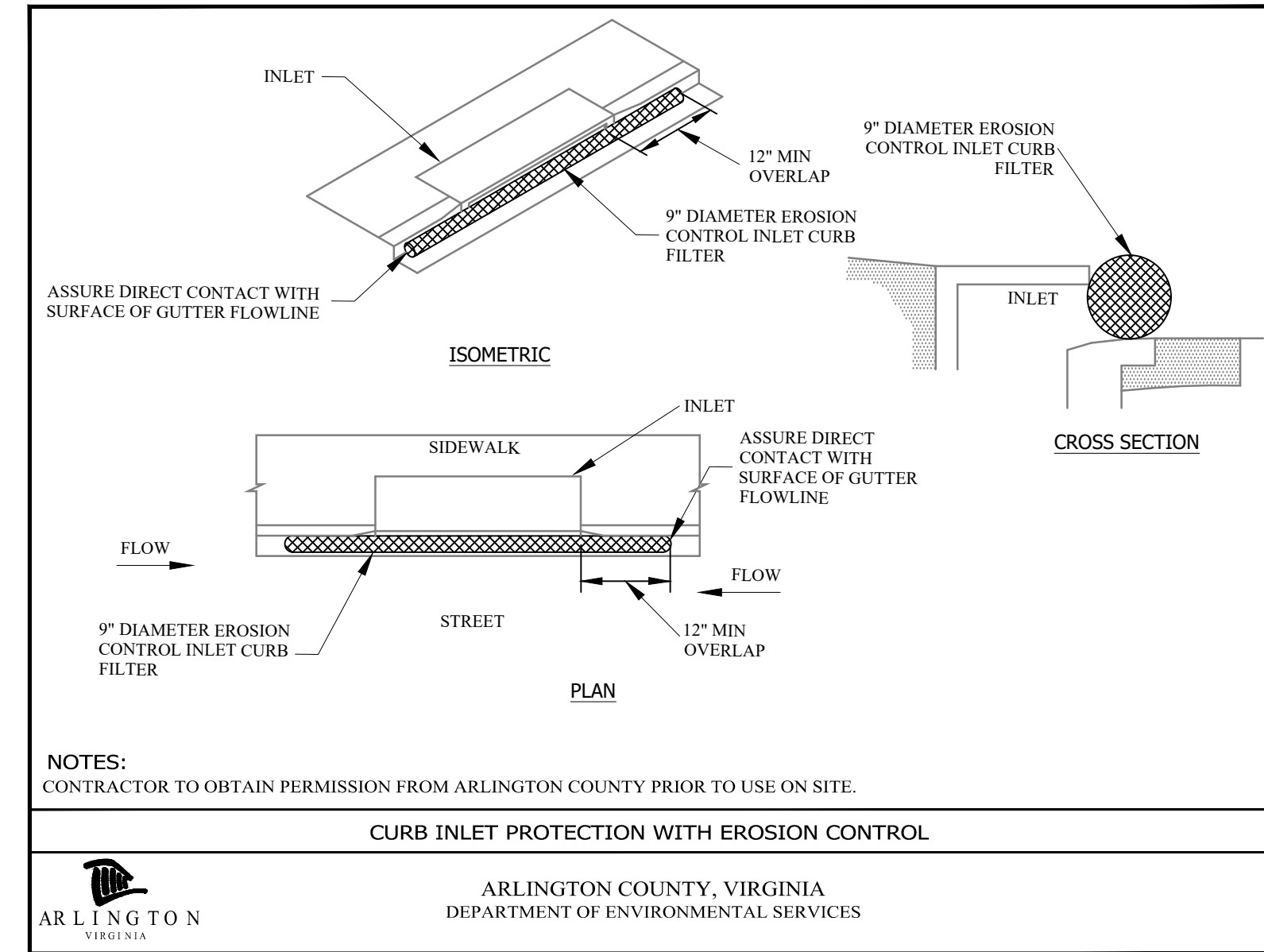
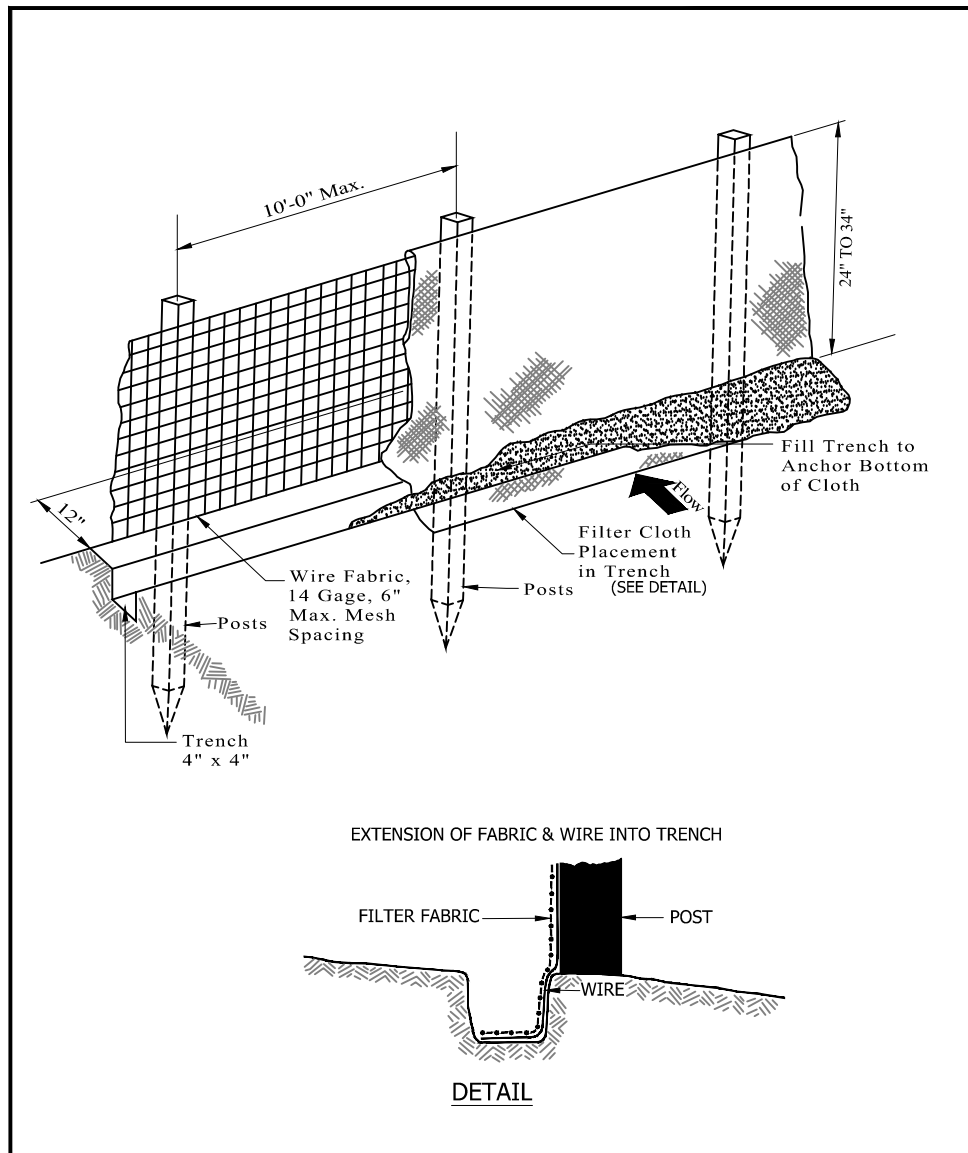
Type of Authorized Non-Stormwater Discharge	Likely Present at Your Project Site?	
External buildings wash down	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated foundation or footing drains	<input type="checkbox"/> 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  
 Arlington County Fire & Police 703-558-2222  
 DES Water, Sewer, Streets 24-Hour Emergency 703-228-6555  
 Washington Gas Emergency 703-750-1400  
 Nights, Holidays & Weekends  
 VA Dept. of Emergency Management 804-674-2400  
 24 Hour Reporting Service

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



REVISION & DATE
ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES
DRAWING NO. D-5-1

REVISION & DATE
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

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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: JUS  
 Checked: DGG  
 Miss Utility Transmittal #:

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

Scale: 1" = 25'



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