Docusign Envelope ID: 5725508C-DC99-444A-8E9B-0577D88E1887

WASHINGTON SUBURBAN SANITARY COMMISSION

14501 SWEITZER LANE, LAUREL, MARYLAND

WOODSIDE WATER MAIN REPLACEMENT

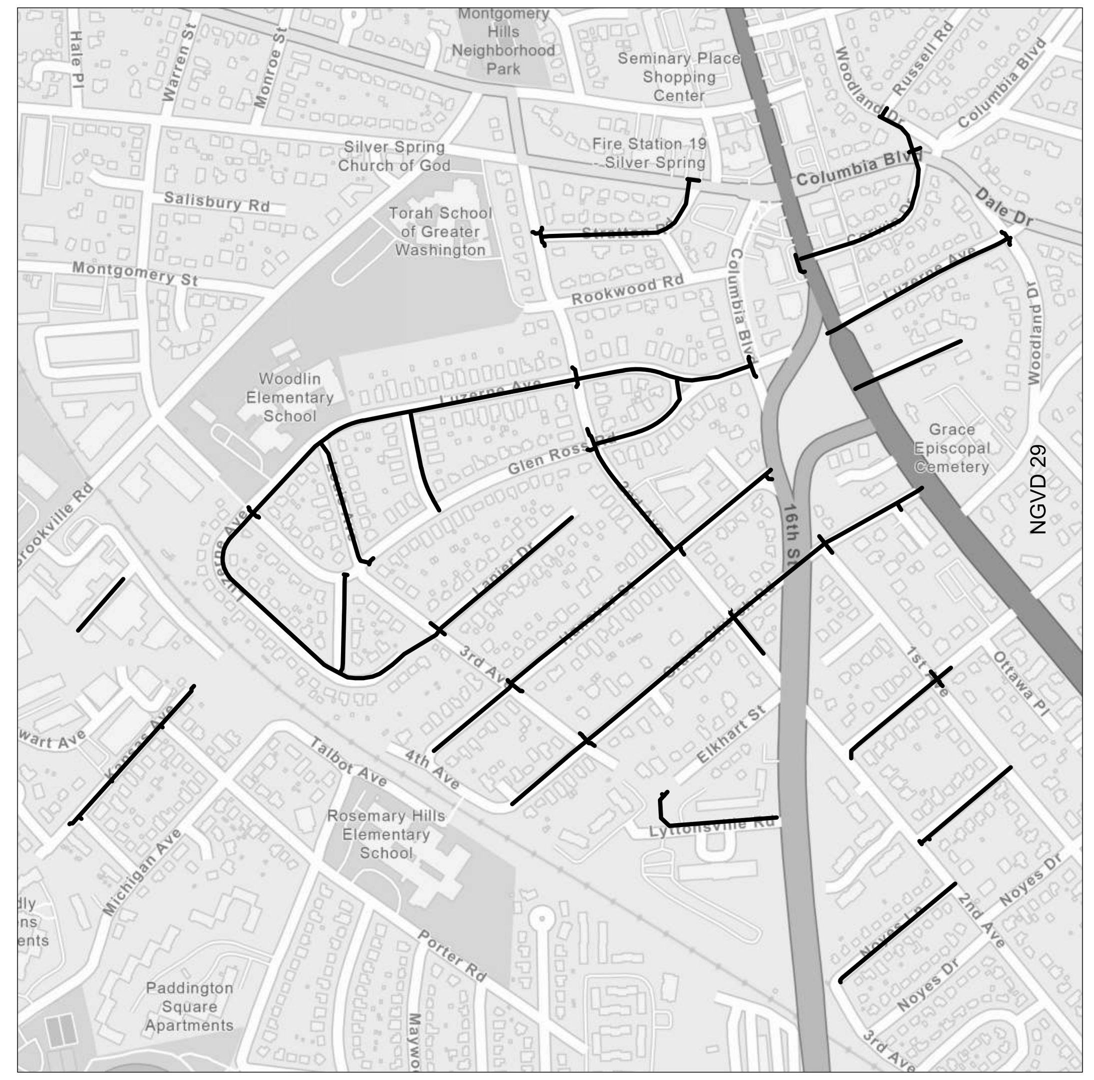
MONTGOMERY COUNTY, MARYLAND

CONTRACT NO. BR7655A23

GENERAL NOTES

1. ALL DUCTILE IRON WATER MAINS TO BE CLASS 54 WITH EXTERIOR COATING AND CATHODIC PROTECTION FOR CORROSION CONTROL PER SPECIFICATIONS AND AS SHOWN ON PLANS, AND DO NOT POLYETHYLENE ENCASE THE WATER MAINS.
2. ALL DUCTILE IRON FITTINGS TO BE CLASS 54 WITH EXTERNAL TAPE COATING AND CATHODIC PROTECTION FOR CORROSION CONTROL PER SPECIFICATIONS AND AS SHOWN ON PLANS, AND DO NOT POLYETHYLENE ENCASE THE FITTINGS.
3. PIPE MATERIAL WITHIN PIPEBURSTING EXTENTS SHALL BE RESTRAINED JOINT PVC.
4. LICENSED GEOTECHNICAL ENGINEER T0 PERFORM COMPACTION TESTING FOLLOWING ASTM D1556, ASTM D6938 OR ASTM D2937 AT A MINIMUM RATE OF 1 TEST FOR EVERY 100 FEET OF FILL ALONG MAIN TRENCH AND AT EVERY LATERAL TRENCH, STRUCTURE AND VALVE BOX IN RESTORATION OF TYPE I AREAS.
5. CONTRACTOR SHALL TEST PIT EXISTING WATER MAIN CONNECTION LOCATIONS. THERE IS THE POSSIBILITY OF ENCOUNTERING POURED LEAD JOINTS. IF POURED JOINT PIPE IS FOUND, REPLACE WITH MECHANICAL JOINT PIPE AND FITTINGS. REMOVAL OF THE JOINT IS INCIDENTAL TO THE CONTRACT.
6. CONTRACTOR SHALL TEST PIT ALL UTILITY AND STORM DRAIN CROSSINGS A MINIMUM OF 2 WEEKS IN ADVANCE OF WORK, AND MAKE ANY ADJUSTMENTS AS NECESSARY WITH PRIOR APPROVAL OF WSSC AND AT NO COST TO WSSC. ONE FOOT MINIMUM CLEARANCE SHALL BE PROVIDED AT ALL UTILITY AND STORM DRAIN CROSSINGS UNLESS OTHERWISE NOTED ON THE PLANS.
7. CONTRACTOR SHALL VERIFY THE TYPE, SIZE, AND LOCATION OF EXISTING FITTINGS ON THE WATER MAIN TO BE REPLACED.
8. PROVIDE MINIMUM ONE AND HALF (1'-6") FEET VERTICAL CLEARANCE BETWEEN WATER PIPELINES AND SEWER. WHEN WATER PIPELINES ARE CROSSING OTHER UTILITIES PROVIDE MINIMUM ONE (1'-0") FEET VERTICAL CLEARANCE.
9. PROVIDE MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN WATER PIPELINES AND OTHER UTILITIES AND STRUCTURES (MANHOLES, INLETS, VAULTS, POLES, ETC.)
10. FOR SAME TRENCH REPLACEMENT, ALL EXISTING VALVES, FIRE HYDRANTS, VALVE BOXES, COPPER, BRASS, AND FITTINGS MUST BE REMOVED FOR SALVAGE AND RETURNED TO WSSC LYTTONSVILLE WAREHOUSE, AT NO COST TO WSSC. FOR PIPE RELOCATION, FIRE HYDRANTS AND VALVE BOXES MUST BE REMOVED FOR SALVAGE AND RETURNED TO WSSC LYTTONSVILLE WAREHOUSE, AT NO COST TO WSSC. SEE SHEET 34 FOR FIRE HYDRANT INFORMATION.
11. REPLACE EXISTING FIRE HYDRANTS IN ACCORDANCE WITH STANDARD DETAIL W/8.0 OR W/8.1, UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED IN THE FIELD.
12. REPLACEMENT OF SINGLE WHC'S ARE TO BE 1" DIAMETER MINIMUM. EXISTING WHC'S LARGER THAN 1" ARE TO BE REPLACED WITH THE SAME SIZE AS EXISTING. 3" WHC'S ARE TO BE REPLACED WITH 4" WHC'S, WHICH SHALL BE DUCTILE IRON PIPE, CLASS 54. 1 1/4" WHC'S ARE TO BE REPLACED WITH 1 1/2" WHC'S.
13. REPLACE EXISTING WHC'S WITH COPPER, TYPE K, TO THE PROPERTY LINE INCLUDING THE OUTSIDE METER SETTINGS AND CURB STOPS, SEE STD. DETAILS W/5.6, W/5.7, W/5.13, W/5.15 AND W/5.15A.
14. REPLACE/RECONNECT EXISTING WHC'S TO THE REPLACEMENT WATER MAIN AS NOTED IN THE EXISTING WATER HOUSE CONNECTION INFORMATION TABLES.
15. LOCATE REPLACEMENT OUTSIDE METER SETTINGS AT THE PROPERTY LINE UNLESS OTHERWISE SHOWN ON THE PLANS. NO NEW CURB STOPS AND WATER METERS SHALL BE IN PAVEMENT/ROADWAY OR SIDEWALK. SEE THE EXISTING WATER HOUSE CONNECTION INFORMATION TABLES.
16. INSTALL ALL WATER MAINS AND TEMPORARY CAPS/PLUGS ON BOTH THE REPLACEMENT AND EXISTING MAINS AND TEST AS SHOWN ON THESE DRAWINGS.
17. CONTRACTOR SHALL NOTIFY MISS UTILITY AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THIS AREA, SO APPROPRIATE MARKING OF EXISTING UTILITIES CAN BE MADE. CALL 811 OR 1-800-257-7777 OR LOG ON TO WWW.CALL811.COM OR HTTP://WWW.MISSUTILITY.NET
18. 1"=30' SCALE DRAWINGS ARE BASED ON TOPOGRAPHIC SURVEY DATA COLLECTED BY JOHNSON, MIRMIRAN & THOMPSON FROM APRIL 2024 TO JUNE 2024. HORIZONTAL DATUM = NAD 83/11 AND VERTICAL DATUM = NGVD 29.
19. CONTRACTOR SHALL NOT STOCKPILE MATERIALS OR EQUIPMENT WITHIN THE DRIP-LINE OF ANY TREES.
20. PROVIDE TREE TRUNK PROTECTION FOR ALL TREES WITHIN 15 FEET OF ANY WORK. SEE STANDARD DETAIL SC/19.0, EXCEPT NOMINAL 2"X10" OR 2"X12" PINE BOARDS MAY BE USED.
21. CONTRACTOR SHALL LOCATE ALL WHC'S IN THE FIELD. THE CONTRACTOR, AT NO COST TO WSSC, SHALL REPAIR ANY DAMAGE TO HOUSE CONNECTIONS AND WATER MAINS THEY MAY CAUSE.
22. REPLACE EXISTING VALVES IN SAME LOCATION, UNLESS OTHERWISE NOTED ON DRAWINGS. STRAP ALL REPLACEMENT AND NEW VALVES TO THE NEAREST CROSS OR TEE.
23. RELOCATED AND/OR REPLACED WHC'S SHALL BE PLACED IN LOCATIONS THAT MINIMIZE IMPACT TO TREES. CONTRACTOR SHALL LOCATE WATER METER BOXES AND CURB STOPS AND ADJUST TO EXISTING GRADE.
24. INSTALL WHC'S TRENCHLESSLY WHERE LINED DRAINAGE DITCHES ARE PRESENT ALONG EDGE OF ROADWAY.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING STAGING AREA(S) AND FOR MOBILIZATION TO AND FROM SUCH AREA(S) AT NO ADDITIONAL COST TO THE WSSC.
26. WHERE PAVEMENT MARKINGS WILL BE AFFECTED BY THE UTILITY WORK, THE PAVEMENT MARKINGS MUST BE IDENTIFIED SPECIFICALLY ON THE PLAN AND REPLACED IN KIND. THE CONTRACTOR SHALL SURVEY THE EXISTING MARKINGS, AS NEEDED, IN ORDER TO ENSURE THE NEW MARKINGS ARE RE-INSTALLED IN THE PROPER LOCATION. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE CORRECT REPLACEMENT OF ALL IMPACTED PAVEMENT MARKINGS.
27. ALL BYPASS PIPES SHALL BE LOCATED OUTSIDE OF THE PAVEMENT. ALL TRAVEL WAYS SHALL BE RESTORED TO TWO WAY TRAVEL AT THE END OF EACH WORKING DAY.

PRESSURE ZONE= 495A	
HHG: 530	
LHG: 451	



LOCATION MAP
1":600'

NAD 83/11
NGVD 29

RESTORATION SCHEDULE		
LOCATION	GRADING TYPE	RESTORATION TYPE
ALL AREAS	I	"A" OR PAVING

GENERAL NOTES (CONTINUED)

28. ALL ABANDONED IN PLACE EXISTING MAINS 8" AND LARGER AND APPURTENANCES SHALL BE FILLED ENTIRELY WITH CLSM.
29. TEMPORARY WATER SERVICE PIPING SHALL BE LOCATED OUTSIDE OF THE PAVEMENT.
30. ALL ROADWAYS IMPACTED BY CONSTRUCTION SHALL BE OPENED TO TRAFFIC AT THE END OF EACH WORKING DAY.
31. SAME TRENCH REPLACEMENT DOES NOT PRECLUDE THE CONTRACTOR FROM MEETING ALL MINIMUM CLEARANCES SHOWN HEREIN. THE CONTRACTOR IS TO ADHERE TO LOCATION REQUIREMENTS SHOWN HEREIN FOR ALL PROPOSED/REPLACEMENT MAIN INCLUDING GRAPHICS, DIMENSIONS, AND STAKEOUT TABLES.
32. WATER METERS ARE TO BE LOCATED AT THE RIGHT-OF-WAY/FRONT PROPERTY LINE IN THE GRASSED AREA WHENEVER POSSIBLE.
33. FIRE HYDRANTS ARE TO BE LOCATED 2' FROM THE EDGE OF PAVED ROADWAY IN THE GRASSED AREA WHENEVER POSSIBLE.
34. THE CONTRACTOR SHALL NOTIFY MONTGOMERY COUNTY DPS PRIOR TO THE START OF WORK.
35. CONTRACTOR SHALL PROVIDE A SAFE, CLEAR, AND DETECTABLE PATH FOR PEDESTRIANS AT ALL TIMES DURING CONSTRUCTION.
36. FOR ASPHALT INTERSECTIONS, EXTEND MILL AND OVERLAY TO PC/PT OF FILLETS.
37. VALVE STEM EXTENSIONS SHALL BE INSTALLED PER WSSC STANDARD DETAIL W/2.2 ON ALL OPERATING NUTS WITH MORE THAN 4' OF COVER.
38. TO DETERMINE THE INVERT ELEVATION OF THE REPLACEMENT WATER MAINS FOR HYDROSTATIC PRESSURE TESTING, USE THE AS-BUILT DRAWINGS.
39. CONTRACTOR SHALL PROVIDE STAKEOUT FOR THE PROPOSED RELOCATIONS.

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1	TITLE SHEET
2	GENERAL NOTES
3	KEY MAP
4	LUZERNE AVE & GLEN ROSS ROAD - PLAN AND PROFILE
5	LUZERNE AVENUE - PLAN AND PROFILE
6	LUZERNE AVENUE - PLAN AND PROFILE
7	LUZERNE AVENUE - PLAN AND PROFILE
8	LUZERNE AVENUE - PLAN AND PROFILE
9	LUZERNE AVENUE - PLAN AND PROFILE
10	LANIER DRIVE - PLAN AND PROFILE
11	LOUIS AVENUE - PLAN AND PROFILE
12	GLENRIDGE ROAD - PLAN AND PROFILE
13	2ND AVENUE - PLAN AND PROFILE
14	HANOVER STREET - PLAN AND PROFILE
15	HANOVER STREET - PLAN AND PROFILE
16	HANOVER STREET - PLAN AND PROFILE
17	GRACE CHURCH ROAD - PLAN AND PROFILE
18	GRACE CHURCH ROAD - PLAN AND PROFILE
19	GRACE CHURCH ROAD - PLAN AND PROFILE
20	GRACE CHURCH ROAD & STRATTON ROAD - PLAN AND PROFILE
21	STRATTON ROAD - PLAN AND PROFILE
22	CORWIN DRIVE - PLAN AND PROFILE
23	CORWIN DR & WOODLAND DRIVE - PLAN AND PROFILE
24	LUZERNE AVENUE - PLAN AND PROFILE
25	LUZERNE AVENUE - PLAN AND PROFILE
26	CEDAR VIEW COURT - PLAN AND PROFILE
27	LYTTONSVILLE ROAD - PLAN AND PROFILE
28	HIGHLAND DRIVE - PLAN AND PROFILE
29	WILSON PLACE - PLAN AND PROFILE
30	NOYES LANE - PLAN AND PROFILE
31	PERKINS PLACE - PLAN AND PROFILE
32	KANSAS AVENUE - PLAN AND PROFILE
33	WATER MAIN PROFILES
34	WATER MAIN AND FIRE HYDRANT PROFILES
35 - 37	WATER HOUSE CONNECTION TABLES
38 - 39	STAKEOUT TABLES
40 - 42	SEQUENCE OF CONSTRUCTION
43	THRUST BLOCK DETAILS
44 - 58	CATHODIC PROTECTION PLANS AND DETAILS
59 - 72	MAINTENANCE OF TRAFFIC PLANS AND DETAILS
73	TRAVERSE LOCATION PLAN
S.C.1	SEDIMENT CONTROL DETAILS

Signed by: Elizabeth Williams — Designed By — Oct 2, 2025 | 1:38 PM EDT — Date

Signed by: Steven Pickel — Field Reviewed By — Oct 3, 2025 | 8:16 AM EDT — Date

WSSC Erosion and Sediment Control Approval Note

This plan has been approved per requirements in the:
Standard Procedures of the WSSC Regulations for Utility Erosion and Sediment Control, Section V, Paragraph A.

Reviewed by: DocuSigned by: Edward Dress 40FCEBF9DB294BA...

Date: Oct 27, 2025 | 1:33 PM EDT Plan No. BR7655A23

ROCK CREEK MINI DRAINAGE BASINS 007 & 992
SLIGO CREEK MINI DRAINAGE BASIN 047

300' 0' 300' 600'
SCALE: 1"= 600'

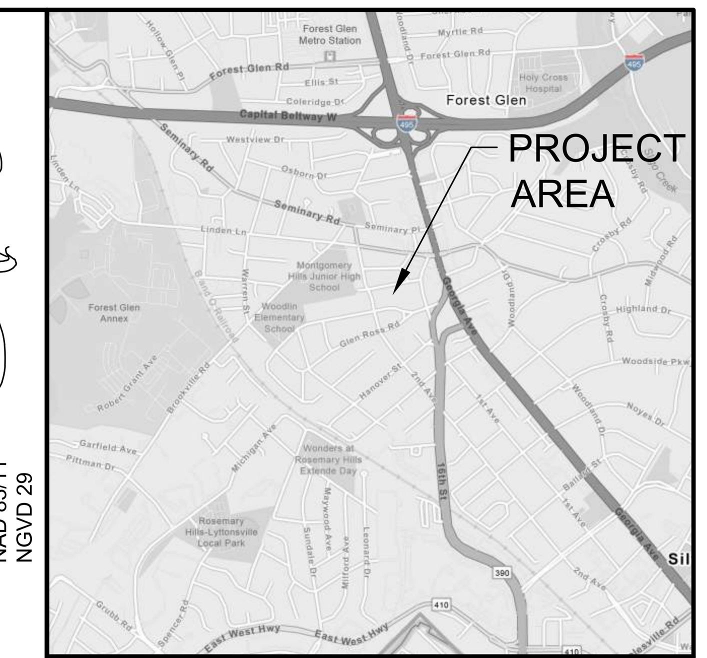
1,000' 0' 1,000' 2,000'
SCALE: 1"= 2,000'

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

Signed by: Steven Pickel
NAME: STEVEN PICKEL, P.E.
LICENSE NO.: 50329 Oct 3, 2025 | 8:16 AM EDT
EXP. DATE: 12/18/2026

STATE OF MARYLAND — STEVEN S. PICKEL — No. 50329 — PROFESSIONAL ENGINEER



VICINITY MAP

MOTGOMERY CO.	SCALE 1":2000' PAGE M5286	GRID C09,D09,B10, C10,D10

FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com or www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

DATE	REVISIONS

PERMIT REQUIREMENTS	
TREE	REQUIRED
WETLANDS / WATERWAYS	NOT REQUIRED
M.N.C.P.&P.C.	NOT REQUIRED
STATE HGWY. ADM.	REQUIRED
STATE BD. HEALTH	NOT REQUIRED
MONTGOMERY CO.	REQUIRED
SED. CONTROL	REQUIRED
P.G.CO.D.P.W.&T.	NOT REQUIRED
M.D. D.O.E. - WMA	REQUIRED
M.D. D.O.E. - GP 20-CP	REQUIRED
*TO BE ACQUIRED BY APPLICANT	

TOWN NOTIFICATION

AS BUILT DATA		
CONTRACT MANAGER		
CONTRACTOR		
INSPECTOR		
L & G		
DATE STARTED		
DATE COMPLETED		
TYPE PIPE	W.	S.
TYPE MANHOLES		
DATE FINALED		
FINALED BY		

DRAWING NO.	DESCRIPTION
1 - 43	PLANS/PROFILES/DETAILS
44 - 58	CATHODIC PROTECTION PLANS
59 - 72	MOT PLANS/NOTES/DETAILS
73	TRAVERSE LOCATION PLAN
S.C.1.	SEDIMENT CONTROL DETAILS

PIPELINE DESIGN DIVISION

Oct 30, 2025 | 11:56 AM EDT — DocuSigned by: Rufus Leeth 5BF57CF3BADE46E...
DATE — DIVISION MANAGER

WATER ANALYSIS / REHABILITATION UNIT

Oct 28, 2025 | 1:43 PM EDT — DocuSigned by: Yuezhang Wang 5468168E42EB473...
DATE — SECTION MANAGER

DRAWN	ADEQUATE SURVEY		
ENW	ON PROP. R/W REQ'D		
CHECK	OFF PROP. R/W REQ'D		
SSP	OTHER UTILITIES		

PATH: c:\pwworking\jmt\d1113008\1 TITLE SHEET.dwg
TEMPLATE LAYOUT CURRENT as of: 05/14/2020

WASHINGTON SUBURBAN SANITARY COMMISSION — WSSC WATER DELIVERING THE ESSENTIAL

THESE DOCUMENTS CONTAIN PRIVILEGED AND CONFIDENTIAL INFORMATION WHICH SHALL NOT BE REDISTRIBUTED WITHOUT PRIOR WSSC APPROVAL

ENGINEER:
NAME: JOHNSON, MIRMIRAN & THOMPSON
ADDRESS: 40 WIGHT AVENUE, COCKEYSVILLE, MD 21030
PHONE: (410) 329-3100
CONTACT : STEVEN PICKEL, PE

ELECTION DISTRICT NO. 13
WOODSIDE WATER MAIN REPLACEMENT
LUZERNE AVE & VARIOUS STREETS
SILVER SPRING, MONTGOMERY COUNTY

CONTRACT BR7655A23

TITLE SHEET	NO 1
200 211NW02	OF 73

09/22/25 - PLOT DATE

VERIFY SCALE - BAR IS ONE INCH ON ORIGINAL DRAWING 0 — 1". IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.