

GENERAL NOTES

- Water main ductile iron class 54 minimum with zinc coating and V-Bio polyethylene encasement except where noted. WHCs 1-1/2" except where noted.
- Provide anode protection for PVC water main fittings and appurtenances per corrosion control Standard Details.
- Provide continuity test stations for PVC water main at all fire hydrants and where indicated.
- Lower WHC where indicated per Std Det W/5.14 except where noted.
- Outside meters where indicated per Std Det W/5.13 except where noted.
- Mainline gravity sewer and SHCs PVC ASTM D3034 except where noted. SHCs 4" except where noted.
- Steepest sewer pipe slopes: ductile iron between MH 2 and MH 3 and PVC C900 between MH 3 and MH 4
- Ductile iron sewer: zinc basecoat, asphalt topcoat, V-Bio polyethylene encasement, and special interior lining.
- Ductile iron fittings on PVC C900 gravity sewer encased in polyethylene with special interior lining.
- Sewer at stream crossing: RCP between MH 1 and MH 2 class V with 12' minimum lay length
- Provide stakeout and survey controls.
- Schedule pre-construction meeting with Contract Manager at (301) 206-XXXX and Erosion Sediment Control Inspector at (301) 206-8077 minimum 72 hours in advance of meeting. The Utility Sediment Control Permit will be issued at this meeting.
- Coordinate with Maryland Transit Administration for work in vicinity of the Purple Line.
- Contact the Prince George's County Department of Public Works & Transportation, at (301) 324-2710, 48 hours in advance of starting construction. (Prince George's County projects only.)
- Contact the Director of Public Works for the City of Bowie at (301) 809-2344, 48 hours prior to the start of construction.
- Contact the Director of Public Works for the City of Gaithersburg at (301) 258-6370, 48 hours prior to the start of construction for notification purposes only.
- Before beginning construction contact City of Rockville Utility at (240) 314-8567 48 hours prior to excavation.
- Contact the Director of Public Works, City of Laurel, at (301) 725-0088, 48 hours prior to the start of construction for notification purposes only.
- Contact the City of Cheverly Public Works Department, at (301) 773-2666 to obtain a "Special Utility Permit" prior to start of construction.

Remove any General Note not associated with this project.

Replace XXXX with appropriate line number:

Southern Zone (Temple Hills Depot) 7316

Central Zone (Anacostia Depot) 4300

Western Zone (Lyttonsville Depot) 7339

Northern Zone (Gaithersburg Depot) 7363

SEWER SYSTEM REHABILITATION GENERAL NOTES

- Contractor shall not stockpile materials or equipment within the dripline of any tree. Contractor shall provide tree truck protection for all trees within 15 feet of any work (See WSSC Standard Detail SC/19.0).
- Contractor shall be responsible for obtaining staging areas. Mobilization of equipment and materials to and from work areas shall be at no additional cost to the commission. All areas shall be stabilized and restored to existing conditions.
- Perform camera and TV record inspections of manholes and pipes within limits of work for pre and post construction conditions.
- Sewer bypass pumping as shown on these drawings are for diagrammatical purposes only. Contractor shall provide temporary sewer bypass pumping services during construction for sewer and manhole work on active pipelines in accordance with WSSC Specifications, Section 02960.
- Contractor shall make himself familiar with the alignment, grades and/or cross slopes of proposed access roads to his satisfaction. Contractor shall use only construction equipment they deem appropriate to prepare and traverse the proposed access roads in order to perform the work.
- ROE (Right of Entry) agreements provided may have special conditions included with them. In some instances, the engineer has included notes on the design drawings for incorporation into the contract. Contractor shall review the ROE documents to endure all conditions for entry are addressed.
- Despite any changes in field conditions, the contractor at all times shall only work on properties which have granted the contractor access through the ROE agreements. These agreements are provided as part of the contract documents.
- Access paths are constructed within the LOD as shown on these plans & in accordance with access path details.
- Remove upper manhole sections as necessary to allow installation of CIPP and bypass lines, reconstruct the manholes to match existing conditions and dimensions, sequence work so specified manhole rehabilitation is performed after the respective manhole is reconstructed.
- Inspect sewer main to be cured in placed lined from manhole to manhole by CCTV to measure pipe diameter and length, and to confirm that sewer main is capable of receiving a Cured-In-Place pipe liner. Cost estimate assumes default liner thickness per pipe diameter. Verify required liner thickness and provide calculations to WSSC.
- Prior to initiating construction, contractor shall conduct a field walk over all proposed access road areas with the Pipeline Construction Division's Contract Manager.
- Work shall comply with the current Montgomery or Prince George's County Specifications for Utility Construction Permit. Complete repair (restoration of right of way) shall be made of any and all damages done to the existing improvements in the public right of way caused by construction operations on this site. All lane closures/traffic controls shall comply with the Montgomery or Prince George's County approved traffic control plans, work zone temporary traffic control standards and directions of the right of way inspector.

EROSION AND SEDIMENT CONTROL NOTES

- All utility installation must be in conformance with the conditions of the Soil Conservation District/County/MDE sediment control approved plan number # _____ issued mm/dd/yyyy.
- WSSC Erosion & Sediment Control Permit will be issued at the Pre-construction meeting.
- Contact WSSC Environmental Programs Unit 48 hours prior to utility installation at (301) 206-8075.

BLOCKING NOTES

- Restrain fire hydrants to main per Std. Detail B/2.1
- Restrain valve to main per Std. Detail B/2.0 where indicated.
- Restrain 12" W on Broad Street from the TS&V at station 0+00 to the cap at station 18+54.
- For special detail of thrust blocks at connection to existing 24" PCCP, see sheet 3.
- Block 30" /8 horizontal bend at station 3+14 per Standard Detail B/1.0 using following dimensions: D11'-0", E 8'-0", F 2'-0" and G 5'-0".
- Restrain 8"x8" reducer from station 1+41 to station 2+72.
- Unless indicated otherwise, block unrestrained bends, tees, tapping sleeves, and caps per blocking details.

DEPENDENCY NOTE

The sewer/water main constructed under this contract cannot be Released for Service until contract _____ is Released for Service.

THIS DRAWING SUPERSEDES PLAN

APPROVED XX/XX/XXXX (last approval date).

RESTORATION SCHEDULE		
Location	Grading Type	Restoration Type
MH 1 to MH 1 + 65'	II	E
MH 1 + 65' to MH 1 + 200'	IV	See Wetlands Notes
MH 1 + 200' to MH 2	III	D
MH 2 to MH 2 + 10'	I	C
Water sta. 0+30 to sta. 5+10	III	F
Water sta. 5+10 to sta. 6+25	III	A
Water sta. 6+25 to sta. 6+35	I	B
All other areas	I	Pavement

SEWAGE FLOW TABULATION			
Units	Type	Flow Factor	Flow
500 Single Family Detached	Existing	280 gpd/DU	140,000 gpd
100 Garden Apartments	Proposed	150 gpd/DU	15,000 gpd
100,000 GSF Medical Office Building	Future	0.892 gpd/GSF	89,200 gpd
Total Average Wastewater Flow =			244,200 gpd

NOTE: SEE APPENDIX "C" IN THE PIPELINE DESIGN MANUAL FOR FLOW FACTORS.

SERVICE CATEGORIES	
W - #	S - #
HYDRAULIC GRADES	
HIGH	* HHG *
LOW	* LHG *

ADDITIONAL ITEMS TO BE SHOWN ON PLAN (if applicable):

- SPECIAL DETAILS
- SEQUENCE OF CONSTRUCTION
- ADDITIONAL PROJECT SPECIFIC NOTES/ITEMS

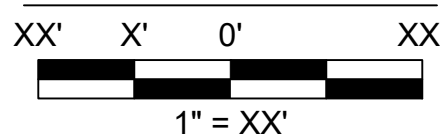
WSSC Erosion and Sediment Control Approval Note

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: _____

Date: _____ Plan No. _____

GRAPHIC SCALE



NAD 83/91 NGVD 1929

VICINITY MAP

SCALE 1" = MAP UNITS
* NAME Co. PAGE PAGE# GRID GRID#

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

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.

EMAIL ADDRESS: _____

LICENSE NO.: _____ EXPIRATION DATE: _____

ENGINEER'S/SURVEYOR'S AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE AS-BUILT INFORMATION AS SHOWN IN (RED OR GREEN) HEREIN IS ACCURATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND HAS BEEN ESTABLISHED BY A FIELD RUN SURVEY USING ACCEPTABLE SURVEYING METHODS BY MYSELF AND/OR SOMEONE UNDER MY DIRECT SUPERVISION ON (EFFECTIVE DATE). ALL ASBUILT DATA IS SHOWN IN 'BOXES'.

EMAIL ADDRESS: _____

LICENSE NO.: _____ EXPIRATION DATE: _____

AS BUILT DATA

CONTRACT MANAGER	NAME
CONTRACTOR	NAME
INSPECTOR	NAME
LINE & GRADE	NAME
DATE STARTED	MM/DD/YYYY
DATE COMPLETED	MM/DD/YYYY
TYPE PIPE	W TYPE OF PIPE S TYPE OF PIPE
TYPE MANHOLES	TYPE OF MANHOLES
DATE FINALED	MM/DD/YYYY
FINALED BY	NAME

DRAWING INDEX

Drawing No.	Description
1. through #	Plans/Profiles/Details
S.C.1.	Sediment Control Details

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

EASEMENT REQUIRED - ON PROP. - OFF PROP.

WASHINGTON SUBURBAN SANITARY COMMISSION



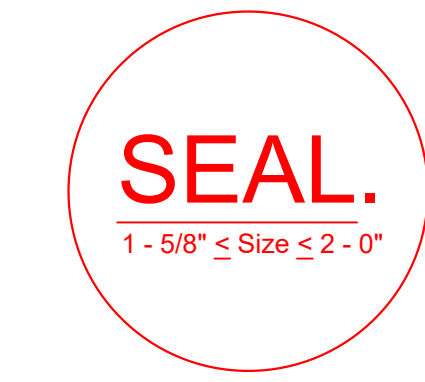
APPLICANT:
NAME: _____ COMPANY NAME: _____
ADDRESS: _____ STREET ADDRESS: _____
PHONE: _____ CITY, STATE AND ZIP CODE: _____
CONTACT: _____ PHONE NUMBER: _____
CONTACT EMAIL: _____ CONTACT PERSON'S EMAIL ADDRESS: _____

ENGINEER:
NAME: _____ Sole Proprietor or Firm name
REGISTRATION #: _____ Of sole Proprietor or Firm
CONTACT: _____ Contact person's name
ADDRESS: _____ Contact person's address including City, State and Zip
PHONE: _____ Contact person's phone number
CONTACT EMAIL: _____ Contact person's full email address

ELECTION DISTRICT NAME & #
PROJECT (WATER/SEWER) RELOCATION
STREET
SUBDIVISION

CONTRACT CONTRACT#

200'S	200'SHEET#	NO	1
		OF	#



NOTE: ADD THE NOTE ON THE RIGHT IF PROPOSED OR EXISTING C.I.P. SIZE PIPE ARE SHOWN ON THIS PLAN.

DRAINAGE BASIN NAME / MINIBASIN ###

TEMPLATE LAYOUT CURRENT as of 03/15/2021

HORIZ DATUM = NAVD 83
 VERT. DATUM = NGVD 1929

DATE	REVISIONS
MM/DD/YY	COMMENT
MM/DD/YY	COMMENT
MM/DD/YY	COMMENT
MM/DD/YY	COMMENT
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LICENSE NO.: _____

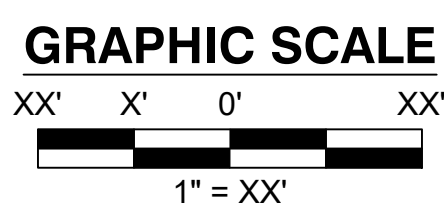
EXPIRATION DATE: _____

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SEAL.
 1 - 5/8" ≤ Size ≤ 2 - 0"

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 1 - 5/8" ≤ Size ≤ 2 - 0"

ADD THE NOTE TO THE RIGHT IF PROPOSED OR EXISTING C.I.P. SIZE PIPE IS SHOWN ON THIS PLAN.



TEMPLATE LAYOUT CURRENT as of 03/15/2021

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

WASHINGTON SUBURBAN SANITARY COMMISSION



ENGINEER:
 NAME: Sole Proprietor or Firm name
 REGISTRATION #: Of sole Proprietor or Firm
 CONTACT: Contact person's name
 ADDRESS: Contact person's address including City, State and Zip
 PHONE: Contact person's phone number
 CONTACT EMAIL: Contact person's full email address

ELECTION DISTRICT NAME & #
PROJECT (WATER/SEWER) RELOCATION
 STREET
 SUBDIVISION

CONTRACT		CONTRACT#	
200'S	200'SHEET#	NO	#
		OF	#