#### **GENERAL NOTES**

All metalic Water mains to be Ductile Iron Pipe with Zinc Coating Class 54 minimum with V-Bio Polyethylene Encasement in accordance with AWWA C105, Method A and WSSC Specification 02510.

2. All Ductile Iron fittings to be fusion bonded epoxy or zinc coated in accordance with WSSC Specification 02510.

All WHCs to be 1-1/2" except where noted

4. Provide anode protection for PVC water main fittings and appurtenances per

corrosion control Standard Details. 5. Provide continuity test stations for PVC water main at all fire hydrants and where

6. 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. 8. Mainline gravity sewer and SHCs PVC ASTM D3034 except where noted. SHCs

4" except where noted. 9. Steep sewer pipe slopes: ductile iron between MH 2 and MH 3 and PVC C900 between MH 3 and MH 4.

10. Ductile iron sewer: zinc basecoat, asphalt topcoat, V-Bio polyethylene encasement, and special interior lining.

11. Ductile iron fittings on PVC C900 gravity sewer encased in polyethylene with special interior lining.

12. Sewer at stream crossing: RCP between MH 1 and MH 2 class V with 12' minimum lay length

13. Provide stakeout and survey controls

14. Schedule pre-construction meeting with Contract Manager at (301) 206-XXXX and Erosion Sediment Control Inspector at (301) 206-8075 minimum 72 hours in advance of meeting. The Utility Sediment Control Permit will be issued at this

15. Coordinate with Maryland Transit Administration for work in vicinity of the Purple

16. 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.)

17. Contact the Director of Public Works for the City of Bowie at (301) 809-2344, 48 hours prior to the start of construction.

18. 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. 19. Before beginning construction contact City of Rockville Utility at (240) 314-8567 48 hours prior to excavation.

20. 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.

21. Contact the City of Cheverly Public Works Department, at (301) 773-2666 to obtain a "Special Utility Permit" prior to start of construction.

22. Provide temporary bypass water service system per specification 02510.

### **BLOCKING NOTES**

- Restrain fire hydrants to main per Std. Detail B/2.1
- 2. Restrain valve to main per Std. Detail B/2.0 where indicated.
- 3. Restrain 12" W on Broad Street from the TS&V at station 0+00 to the cap at station 18+54.
- 4. For special detail of thrust blocks at connection to existing 24" PCCP, see sheet
- 5. Block 30" 1/8 horizontal bend at station 3+14 per Standard Detail B/1.0 using
- following dimensions: D11'-0", E 6'-0", F 2'-0" and G 5'-0". 6. Restrain 8"x6" reducer from station 1+41 to station 2+72.
- Unless indicated otherwise, block unrestrained bends, tees, tapping sleeves, and caps per blocking details.

### **PLUMBING NOTES**

- Grinder Pump Make (and model and impeller size if Myers).
- Notify Contract Manager 48 hours in advance of meter retrieval. The pressure in the water main may be lower than 40 psi at invert elevations above
- LHG-92.4 feet. Delete note if no water main invert is above the calculated elevation. 4. The pressure in the water main may be lower than 25 psi at invert elevations above
- LHG-55.4 feet. Delete note if no water main invert is above the calculated elevation.
- 5. Static pressure may exceed 80 psi below elevation HHG-184.8 feet. Delete note if no plumbing is below the calculated elevation.

### 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 (Previously approved 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	С	
Water sta. 0+30 to sta. 5+10	III	F	
All other areas	1	Pavement	

#### Grading type from WSSC Specifications 02315 Earthwork. Restoration Type from WSSC Specifications 02920 Lawns and Grasses (1.2 Restoration).

SEWAGE FLOW TABULATION				
Number	Туре	Flow Factor	Flow	
500	Proposed SF Detached	280 gpd/DU	140,000 gpd	
100	Existing Garden Apartments	150 gpd/DU	15,000 gpd	
100,000 GSF	Future Office	0.892 gpd/GSF	89,200 gpd	
Total Average Wastewater Flow =			244,200 gpd	

NOTE: INDICATE IF EACH TYPE IS PROPOSED, FUTURE OR EXISTING.

SERVICE CATEGORIES HYDRAULIC GRADES \* LHG \* 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

# STANDARD NOTES FOR S.E.P. PLANS

The notes on these sheets are for reference ONLY, use when applicable. Text in red is informational text and should be updated or removed. All notes may require modification to meet your specific design plan needs.

All text on plans and profiles must be a minimum height of  $\frac{1}{10}$  of an inch.



1 - 5/8" ≤ Size ≤ 2 - 0"

## PROFESSIONAL CERTIFICATION

ENGINEER CAN CONFIRM THE ADC GRIDS WITHIN

WSSC WERI SYSTEM UNDER THE LAYER LIST, BASE

VICINITY MAP

FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777

48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY.

OR LOG ON TO www.call811.com or www.missutility.net

SCALE 1": MAP UNITS

Co. PAGE PAGE# GRID GRID#

**REVISIONS** 

CONTENT AND SELECTING GRID ADC 2007.

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.

LICENSE NO.:

**EMAIL ADDRESS**:

**EXPIRATION DATE:** 

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 SUPERVISION ON ( ALL AS-BUILT DATA IS SHOWN IN 'BOXES'.

LICENSE NO.: **EMAIL ADDRESS** 

**EXPIRATION DATE:** 

AS BUILT DATA

CONTRACT MANAGER NAME CONTRACTOR NAME INSPECTOR NAME

LINE & GRADE NAME MM/DD/YYYY DATE STARTED

DATE COMPLETED MM/DD/YYYY TYPE PIPE W TYPE OF PIPE S TYPE OF PIPE

TYPE MANHOLES TYPE OF MANHOLES

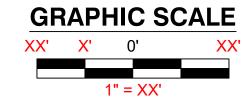
MM/DD/YYYY DATE FINALED NAME FINALED BY

# **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 #XXXXXXXXX, issued mm/dd/yyyy.
- WSSC Erosion & Sediment Control Permit will be issued at the Pre-construction Contact WSSC Environmental Programs Unit 48 hours prior to utility installation at

WSSC Erosion and Sediment Control Approval Note Standard Procedures of the WSSC Regulations for Utility Erosion and Sediment Control, Section V, Paragraph A.

(301) 206-8075



ADD THE NOTE ON THE RIGHT IF PROPOSED OR EXISTING C.I.P. SIZE PIPE ARE SHOWN ON THIS PLAN. Drainage Basin Name/Minibasin XX-XXX

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

EASEMENT REQUIRED - ON PROP. YORN-OFF PROP.

NO

OF #

CONTRACT CONTRACT#

200'S 200'SHEET#

WSSCWATER

**APPLICANT:** NAME: ADDRESS: CITY, STATE AND ZIP CODE PHONE NUMBER

**ENGINEER:** NAME: Sole Proprietor or Firm name REGISTRATION #: Of sole Proprietor or Firm CONTACT: contact person's address including City, State and Zi PHONE: CONTACT EMAIL:

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

REVISIONS

**GRAPHIC SCALE** 

DATE

## PROFESSIONAL CERTIFICATION

1 - 5/8" ≤ Size ≤ 2 - 0"

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.

LICENSE NO.:

EMAIL ADDRESS:

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 SUPERVISION ON (\_\_\_\_\_\_\_\_).

ALL AS-BUILT DATA IS SHOWN IN 'BOXES'.

LICENSE NO.:

**EXPIRATION DATE:** 

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

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

**APPROVAL** 

**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) STREET SUBDIVISION

CONTRACT CONTRACT#

200'S 200'SHEET#

WASHINGTON SUBURBAN SANITARY COMMISSION WSSCWATER

NO #