GENERAL SITE UTILITY WATER & SEWER NOTES

1. **Permit -** Approval of this plan shall not constitute a commitment for service or an authorization to begin the site utility system construction. The applicant shall obtain a site utility permit from the Development Services Group before construction may commence.

2. **Permission -** The applicant shall obtain all necessary permits from any Federal, State and/or local permit authority having jurisdiction over any phase of construction associated with the installation of this site utility system.

3. **Pretreatment -** Water and/or sewer service is conditional upon compliance with any current or future Federal, State, and local regulations governing the discharge of wastes to any body of water or to a publicly owned treatment facility. Pretreatment will be required if industrial waste exceeds levels indicated in the WSSC Plumbing and Fuel Gas Code.

4. **Notification -** The site utility contractor shall notify the Contract Manager at 301-206-7363 and the applicant's engineer or agent at least 72 hours prior to commencing construction.

5. **Coordination -** When the site utility water and sewer system installation precedes WSSC service connection installation, the applicant is fully responsible for ensuring proper line and grade between the service connection and the site utility system. The applicant is required to provide all controls and stakeout associated with this construction. The site utility contractor shall verify the locations of all WSSC facilities prior to beginning construction. All water and sewer connections shall terminate 5 feet from outside walls of buildings, unless as shown on the approved plans.

6. **Standards -** All site utility water and sanitary sewer construction materials and appurtenances shall comply with the latest editions of the Washington Suburban Sanitary Commission's General Conditions & Standard Specifications, Pipeline Design Manual, Standard Details for construction, The Plumbing & Fuel Gas Code and this approved plan.

7. **Observation -** All work to be performed by the applicant's contractor under the supervision and inspection of the Systems Inspection Group at no cost to WSSC.

8. **Testing -** The following tests shall be administered by the site utility contractor and, witnessed and reported by the WSSC Inspector:

   Water, Chlorine residual and bacteriological - Results shall be obtained and reported by an independent Maryland certified laboratory and must include the following statement: "This sample meets federal standards for drinking water and is safe for human consumption."

   Water, Hydrostatic, _____psi for 2 hours or as specified on the plans.

   Sewer, Mandrel shall be pulled through all segments 6" and larger.

   Sewer, Gravity, Air test, 4 psi for 5 minutes, for all segments greater than 25 feet.

   Sewer, Pressure, Hydrostatic, 100psi for 2 hours or as specified on this plan.

   Test Copper Water lines at 100psi for 15 minutes.

   All testing equipment shall be furnished by the site utility contractor.

9. **Water Connection -** Connection of the site utility water system to a WSSC service connection, WSSC water main or the building water distribution system is prohibited until the chlorine residual, and bacteriological tests as well as the required hydrostatic test have been performed and the results reported. The applicant shall submit the reports to the Systems Inspection Group's Contract Manager for release of the site utility water system.

10. **Sewer Connection -** Connection of the site utility sewer system to a WSSC service connection, WSSC sewer main or the building drain is prohibited until the applicable test have been performed, the results reported and found to comply with all requirements. The applicant shall submit reports to the Systems Inspection Group's Contract Manager for release of the site utility sewer system.

11. **Responsibilities -** The applicant and agents shall comply with the requirements of any service connection permit (SCP), relocation work (RMS) or main line extension (SEP). At the Systems Inspection Group's discretion, the site utility system may be joined to the service connection prior to connecting to the Commission system.

12. **As-Built Plans -** Two print sets of final as-built drawings shall be submitted to the WSSC Systems Inspection Group by a State of Maryland registered professional engineer. The drawing shall reflect any field changes and indicate ties or coordinates for the location of valves, bends, manholes, fire hydrants, appurtenances, etc.

13. **Building Water and Sewer -** This plan may designate "building water", "building sewer" or a plumbing appurtenance such as an interceptor. The work, shown in "light line" on this plan is for reference only and shall be installed and inspected under a separate WSSC plumbing permit.

14. **Fire Hydrant Color -** Site utility fire hydrants shall be painted red.

15. **Follow-up Inspections -** Manholes and fire hydrants shall receive a follow-up inspection by a WSSC Plumbing Inspector in conjunction with the final plumbing inspection. Manhole construction shall be intact after final paving and grading; and shall meet the Standard Details for Construction. Fire hydrants shall be similarly inspected to ensure valve box access and compliance with WSSC monitoring requirements where applicable.

16. **Materials -** Applicant will provide all materials and material certifications for this site utility system in accordance with the approved drawings and specifications.

17. **Containment Note -** All buildings shall have a backflow containment device installed on the *outlet* side of the water meter, prior to any water uses within the premise, as cited in Section 502.3 of the WSSC Plumbing & Fuel Gas Code. Backflow preventers shall be maintained by the owner as cited in Section 102.3.9.

18. **Available As-Built Data -** WSSC takes no responsibility for the accuracy of "as-built" information provided by WSSC or any deviations from design plans of existing pipelines. The Designer may use this information as they desire but is responsible for determining if any changes have been made to the original design of the existing pipeline, performing test pits and field surveys to verify if they plan to utilize this information, and for adjusting their design accordingly. WSSC does not provide any warranty or any assurances that any information provided is accurate and/or up to date.

19. **Operation of Valves -** WSSC's inspector shall be present for the operation of any WSSC Valve.

Standard MSU Sediment Control Notes:

1. Utility Contractor to contract WSSC Environmental Group at (301) 206-8077 48 hours prior to starting any work under this contract.
2. Any ground or surface water that is pumped during this project shall be discharged through a dewatering device approved by WSSC prior to being discharged offsite.
3. Streets shall be kept in broom swept condition at all times.
4. Install Curb Inlet Protection as needed. See WSSC Standard Detail SC/16.0.
5. Contractor shall provide stabilization for all non paved disturbed areas by the close of each business day.
6. Any excavated or stockpile material left overnight shall be covered with impermeable material. Provide sediment control for all offsite staging/ stockpile areas.
7. Install Silt Fence as needed on low side of excavated trench. See WSSC Standards Detail 1.0.

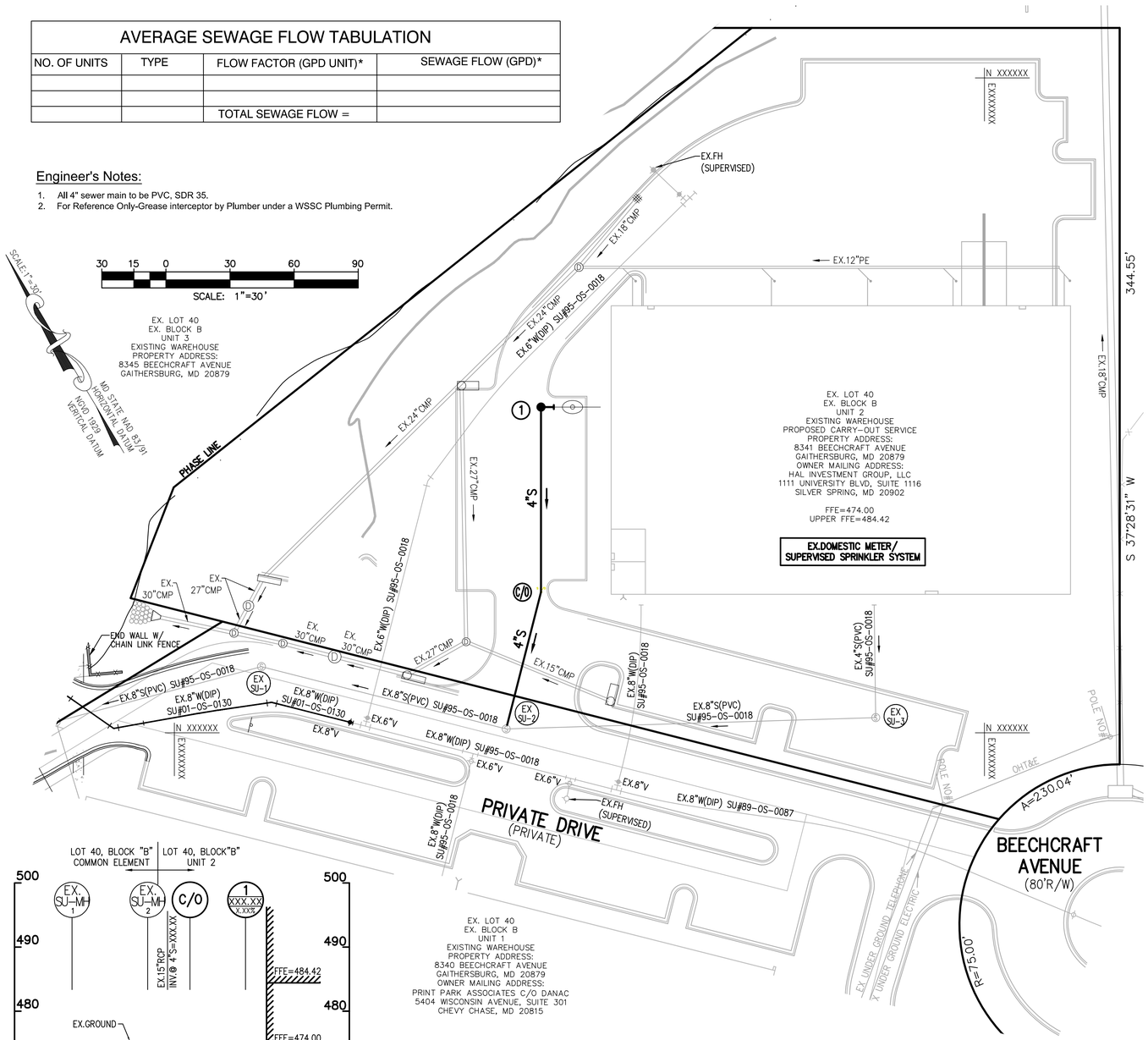
SERVICE CATEGORIES	
W - 1	S - 1
HHG	710'
LHG	625'

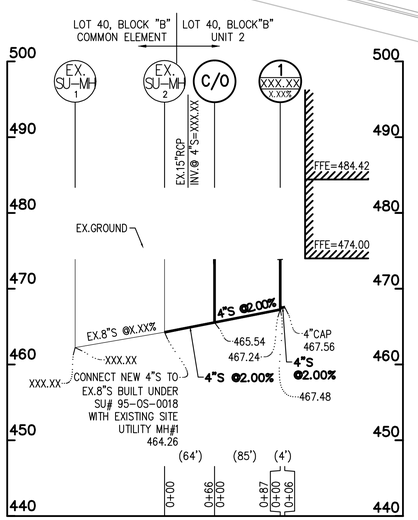
AVERAGE SEWAGE FLOW TABULATION

NO. OF UNITS	TYPE	FLOW FACTOR (GPD UNIT)*	SEWAGE FLOW (GPD)*
		TOTAL SEWAGE FLOW =	

Engineer's Notes:

1. All 4" sewer main to be PVC, SDR 35.
2. For Reference Only-Grease interceptor by Plumber under a WSSC Plumbing Permit.





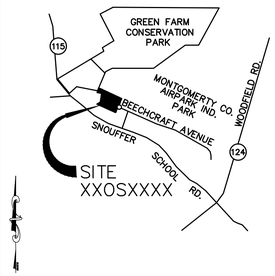
4"S PROFILE TO SERVE EXISTING BUILDING UNIT 2

SCALE: HORIZ. 1"=100'
VERT. 1"=10'

VERT: 1 inch = 10 ft.

HORIZ: 1 inch = 100 ft.

PROFILE SCALE:
1"=100' (HORZ.)
1"=10' (VERT.)



VICINITY MAP

SCALE 1"=2000' PAGE: 5048 GRID: C3 & C4

Montgomery County

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

PIPE SCHEDULE

TYPE	LENGTH	
	On Property	Public Street & WSSC R/W
4"PVC SDR35	153'	

SITE UTILITY #:
##########
SITE UTILITY SEWER PLAN

8341 Beechcraft Avenue
Lot 40 Block "B" Unit 2
8341 Beechcraft Avenue, Gaithersburg MD 20879

SENECA CREEK DRAINAGE BASIN / MINI BASIN #15-039
LAYTONSVILLE ELECTION DISTRICT NO.1
MONTGOMERY COUNTY, MARYLAND

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.

JEFFREY AMATEAU, P.E.
LICENSE No.20510
EXPIRATION DATE: JULY 14, 2016

APPROVAL	DATE	REVISIONS

ENGINEER:

CONTACT : Shannon Flickinger
EMAIL: flickinger@VIKA.COM

ENGINEERS ■ PLANNERS ■ LANDSCAPE ARCHITECTS ■ SURVEYORS ■ 3D LASER SCANNING

VIKA MARYLAND LLC
20251 CENTURY BOULEVARD SUITE 400 ■ GERMANTOWN, MARYLAND 20874
(301) 916-4100 ■ FAX (301) 916-2262
W W W . V I K A . C O M

APPLICANT:

NAME: ##########
ADDRESS: ##########

PHONE: ##########
CONTACT: ##########
EMAIL: ########

	NO	1
200'S 226NW08	OF	#

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

TEMPLATE LAYOUT CURRENT as of 6/01/15
LAYOUT: SU-COVER Plotted By: jamateau

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