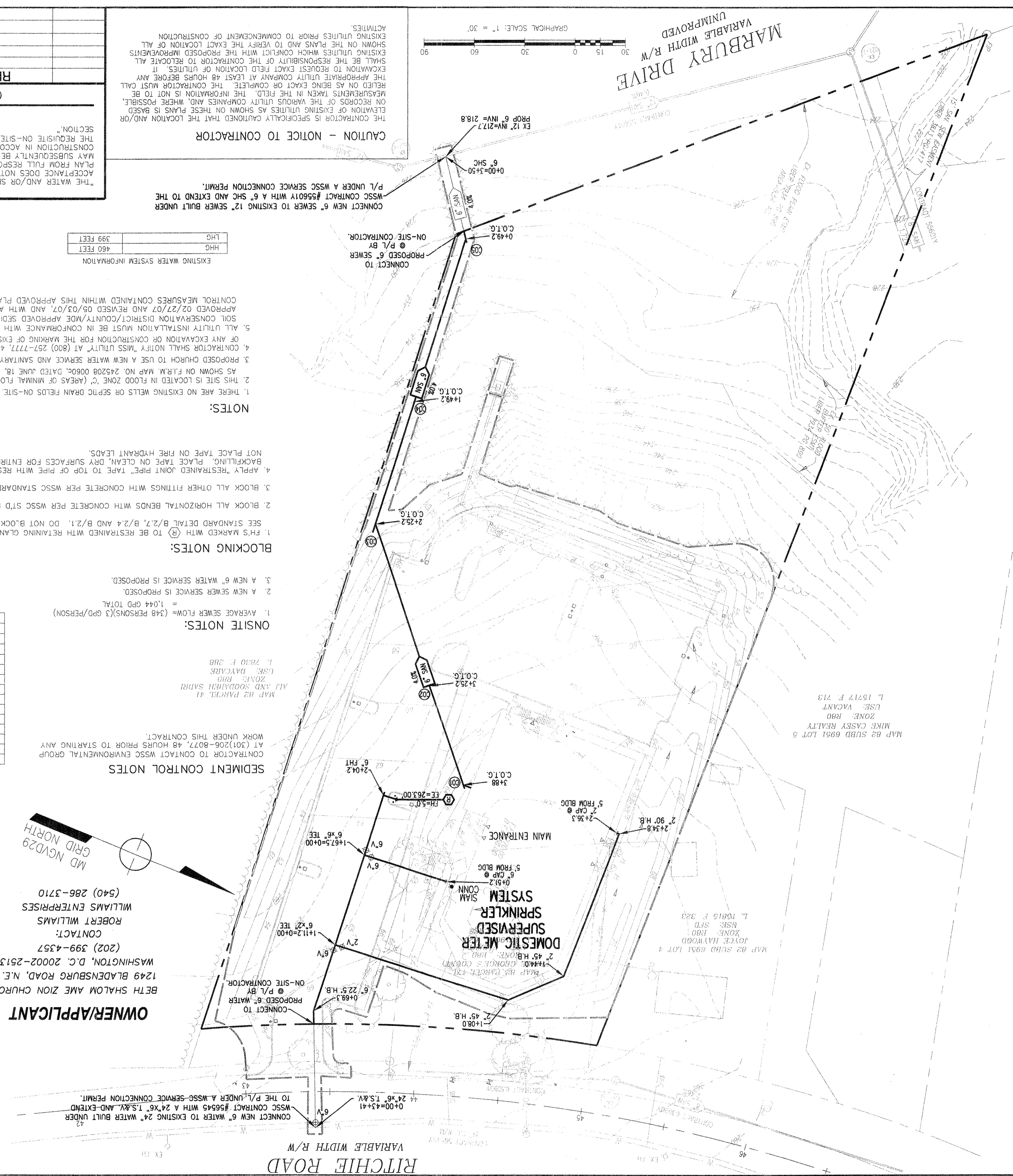


**GENERAL ON-SITE WATER & SEWER NOTES**

- 1. Permit** - Approval of this plan shall not constitute a commitment for service or an authorization to begin the on-site system construction. The applicant shall obtain an on-site permit from the WSSC Permit Services Unit 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 phases of construction associated with the installation of this on-site 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 wastes exceeds levels indicated in the WSSC Plumbing and Castings Regulations.
- 4. Notification** - The on-site contractor shall notify the Plan Review Unit of the Regulatory Services Group at (301) 206-8598 and the applicants engineer or agent at least 48 hours prior to commencing construction.
- 5. Coordination** - When the on-site water and sewer system installation precedes WSSC service connection installation, the applicant is fully responsible for ensuring proper tie and grade between the service connection and the on-site system. The on-site contractor shall verify the location of all WSSC facilities prior to beginning construction. All water and sewer connections shall terminate 5 feet from outside walls of buildings.
- 6. Standards** - All on-site water and sanitary sewer main 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, The Plumbing & Castings Regulations and this approved plan.
- 7. Observation** - A State of Maryland registered professional engineer shall be responsible for general oversight and observation of the on-site system installation for compliance with standards and testing requirements outlined below.
- 8. Testing** - The following tests shall be administered by the on-site contractor and witnessed and reported by the applicant's engineer or agent:
  - Water, Chlorine residual and bacteriological - Results shall be obtained and reported by an independent laboratory and must include the following statement: "This sample meets federal standards for drinking water and is safe for human consumption."
  - Water, Hydrostatic, 200 psi for 2 hours or as specified on this plan.
  - Sewer, Mandrel shall be pulled through all segments 6" and larger feet.
  - Sewer, Gravity, Air test, 4 psi for 5 minutes, for all segments greater than 25 feet.
  - Sewer, Pressure, Hydrostatic, 100 psi for 120 minutes or as specified on this plan.
- 9. Water Connection** - Connection of the on-site 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 Regulatory Services Group for release of the on-site water system.
- 10. Sewer Connection** - Connection of the on-site sewer system to a WSSC service connection, WSSC sewer main or the building drain is prohibited until the applicable tests have been performed, the results reported and found to comply with all requirements. The applicant shall submit reports to the Regulatory Services Group, Plans Review Unit, for release of the on-site 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) prior to connecting the on-site system to the Commission system.
- 12. Certification** - A State of Maryland registered professional engineer's certification of the on-site system and 2 print sets of final as-built drawings shall be submitted to the WSSC Regulatory Services Group, Plan Review Unit. The drawing shall reflect any field changes and indicate "Yes" 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 plumbing appurtenances such as an interceptor. This 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** - On-site 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 piling and grading, and shall meet Standard Details. The hydrants shall be similarly inspected to ensure valve box access and compliance with WSSC monitoring requirements where applicable.

QUANTITY	DESCRIPTION	PIPE SCHEDULE AND MATERIAL LIST
1 EA.	24"x6" T.S.&V.	
1 EA.	296 L.F. 6" CL. 92 DUCTILE IRON PIPE	
1 EA.	237 L.F. 2" SCH 40 PVC PIPE	
1 EA.	6"x6" TEE	
1 EA.	6"x2" TEE	
1 EA.	6" FH TEE	
1 EA.	6" VALVE	
4 EA.	6" VALVE	
1 EA.	2" 90° HORN BEND	
2 EA.	6" 45° HORN BEND	
1 EA.	6" 22.5° HORN BEND	
1 EA.	2" CAP	
1 EA.	2" CAP	
1 EA.	FH ASSEMBLY	



**OWNER/APPLICANT**  
 BETH SHALOM AME ZION CHURCH  
 1249 BLADENSBURG ROAD, N.E.  
 WASHINGTON, D.C. 20002-2513  
 CONTACT: (202) 399-4357  
 ROBERT WILLIAMS  
 WILLIAMS ENTERPRISES  
 (540) 286-3710

**SEDIMENT CONTROL NOTES**  
 CONTRACTOR TO CONTACT WSSC ENVIRONMENTAL GROUP AT (301)206-8077, 48 HOURS PRIOR TO STARTING ANY WORK UNDER THIS CONTRACT.

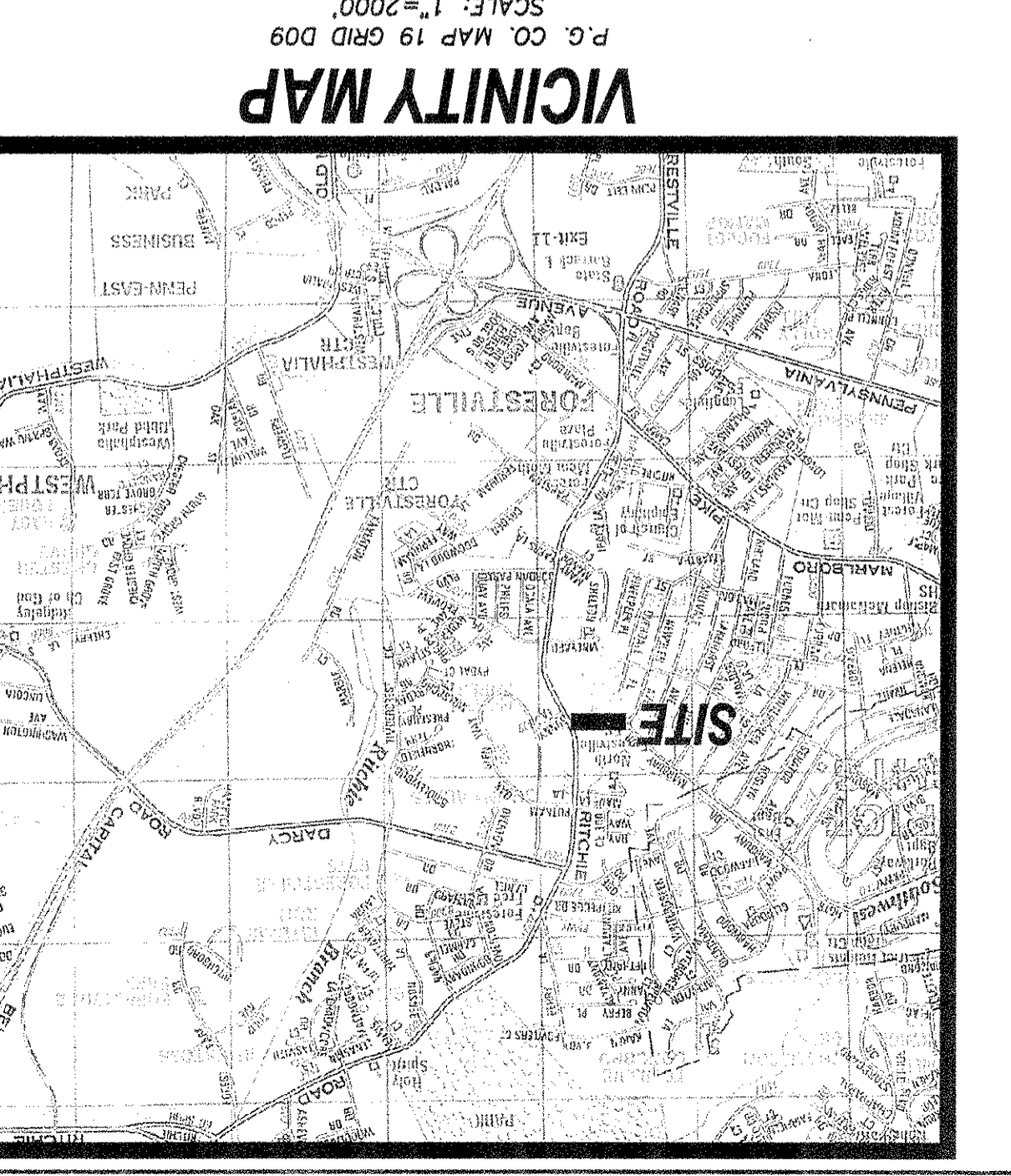
**ON-SITE NOTES:**  
 1. AVERAGE SEWER FLOW = (348 PERSONS)(3 gpd/PERSON) = 1,044 gpd TOTAL  
 2. A NEW SEWER SERVICE IS PROPOSED.  
 3. A NEW 6" WATER SERVICE IS PROPOSED.

**BLOCKING NOTES:**  
 1. FHS MARKED WITH (R) TO BE RESTRAINED WITH RETAINING GLANDS OR STRAPPED.  
 2. BLOCK ALL HORIZONTAL BENDS WITH CONCRETE PER WSSC STD DETAIL B/1.0.  
 3. BLOCK ALL OTHER FITTINGS WITH CONCRETE PER WSSC STANDARD DETAIL B/1.3 AND B/1.4.  
 4. APPLY RESTRAINED JOINT PIPE TAPE TO TOP OF PIPE WITH RESTRAINED JOINTS PRIOR TO BACKFILLING. PLACE TAPE ON CLEAN, DRY SURFACES FOR ENTIRE LENGTH OF PIPE. DO NOT PLACE TAPE ON FIRE HYDRANT LEADS.

**NOTES:**  
 1. THERE ARE NO EXISTING WELLS OR SEPTIC DRAIN FIELDS ON-SITE.  
 2. THIS SITE IS LOCATED IN FLOOD ZONE 'C' (AREAS OF MINIMAL FLOODING) AS SHOWN ON FIRM, MAP NO. 245208 006C, DATED JUNE 18, 1987.  
 3. PROPOSED CHURCH TO USE A NEW WATER SERVICE AND SANITARY SERVICE.  
 4. CONTRACTOR SHALL NOTIFY "MSS UTILITY" AT (800) 257-7777, 48 HOURS PRIOR TO THE START OF ANY EXCAVATION OR CONSTRUCTION FOR THE MARKING OF EXISTING UNDERGROUND UTILITIES.  
 5. ALL UTILITY INSTALLATION MUST BE IN CONFORMANCE WITH THE CONDITIONS OF THE SOIL CONSERVATION DISTRICT/COUNTY/STATE APPROVED SEDIMENT CONTROL PLAN #374-06. APPROVED 02/27/07 AND REVISED 05/03/07, AND WITH ALL EROSION AND SEDIMENT CONTROL MEASURES CONTAINED WITHIN THIS APPROVED PLAN.

**EXISTING WATER SYSTEM INFORMATION**  
 LHG 460 FEET  
 LHG 399 FEET

**CAUTION - NOTICE TO CONTRACTOR**  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS AND TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.



**VICINITY MAP**  
 P.G. CO. MAP 19 GRD D09  
 SCALE: 1"=2000'

QUANTITY	DESCRIPTION
5 EA.	6" CLEANOUT
388 L.F.	6" SCH 40 PVC PIPE

**NOTICE**  
 N.G. WORK can proceed on the Water and Sewer Service Connections until a Service Connection permit has been obtained from the Service Application and Records Section, and inspection has been completed by the WSSC Bureau of Construction. To comply with these requirements may result in the issuance of civil penalties, and/or other remedies allowed by law.

**SIGNATURE APPROVAL BLOCK**  
 07-05-  
 DATE

**REVISIONS (REGULATORY SERVICES)**

DATE	REVISIONS

**REVISIONS:**

**WARDER**  
 Your Church Builder  
 Phone: (301) 868-5900  
 Toll Free: (800) 732-7266  
 Fax: (301) 868-8740  
 www.wardergroup.com

**WE Inc.**  
 Williams Enterprises Incorporated  
 18 Mosby Lane Stafford, Virginia 22556  
 540-286-3710 and 540-286-0345 Fax  
 weinfo@lupines.net  
 CONTACT: ROBERT WILLIAMS

**PROJECT:**  
 ON-SITE WATER AND SEWER PLAN  
 BETH SHALOM AME  
 ZION CHURCH  
 6TH ELECTION DISTRICT  
 PRINCE GEORGES'S COUNTY, MARYLAND

**DRAWING NAME:** 19D09-GP  
**SCALE:** 1"=30'  
**DATE:** AUGUST 2007

**FILE No.** MDPG-19D09-01  
**SHEET** 1 OF 2