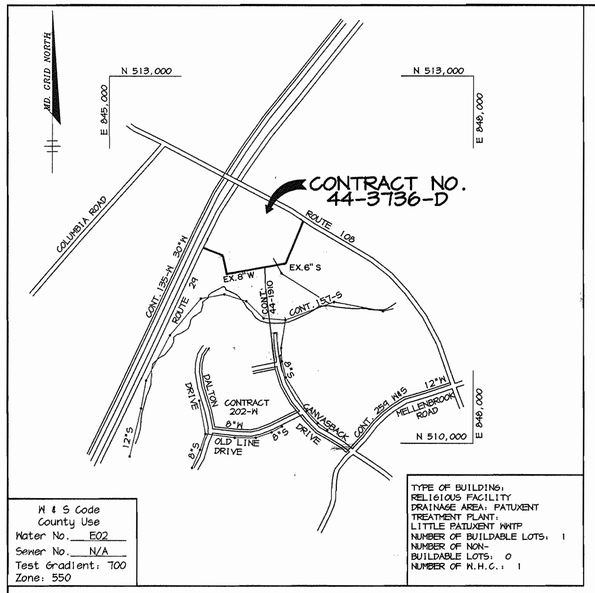
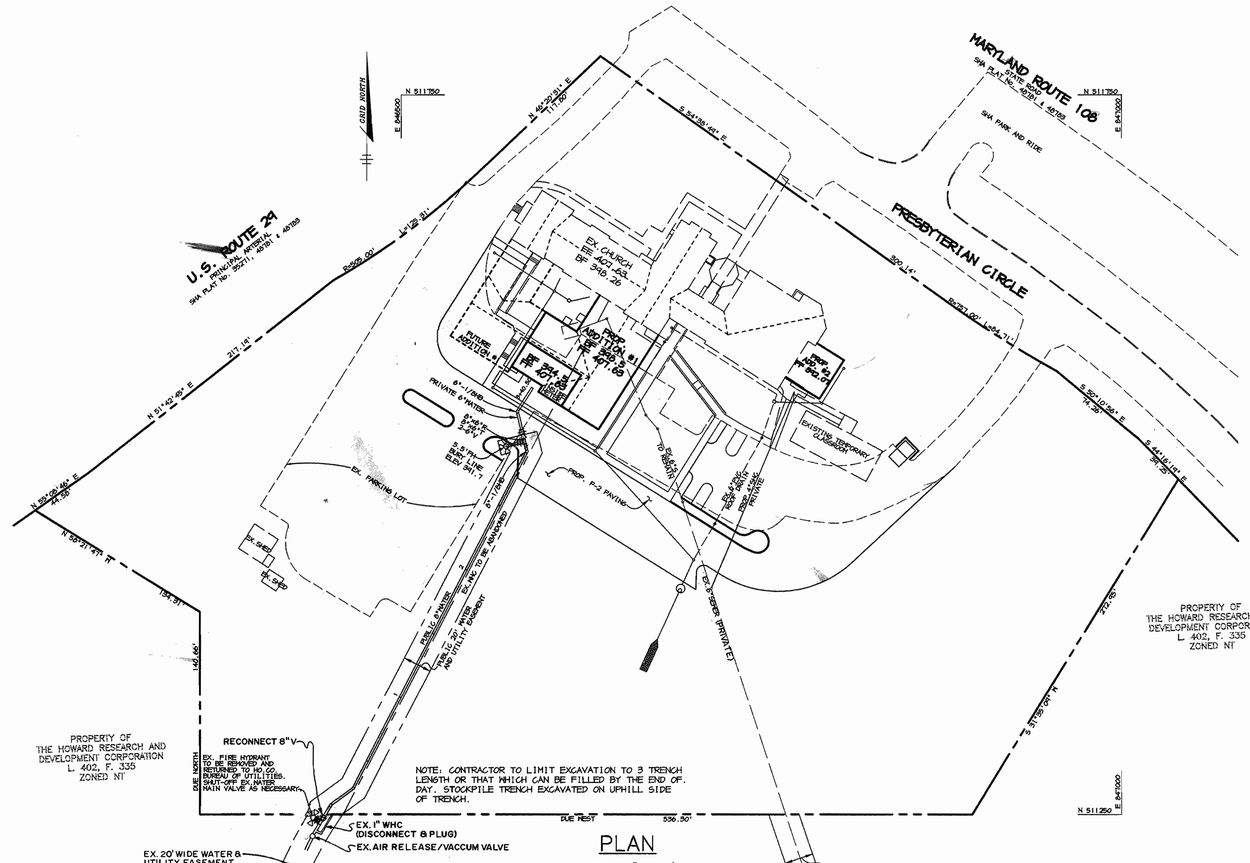
FIRST PRESBYTERIAN CHURCH



W & S Code County Use Water No. E02 Sewer No. N/A Test Gradient: 700 Zone: 550	TYPE OF BUILDING: RELIGIOUS FACILITY DRAINAGE AREA: PATUXENT TREATMENT PLANT: LITTLE PATUXENT WWTP NUMBER OF BUILDABLE LOTS: 1 NUMBER OF NON-BUILDABLE LOTS: 0 NUMBER OF M.H.G.: 1

VICINITY MAP

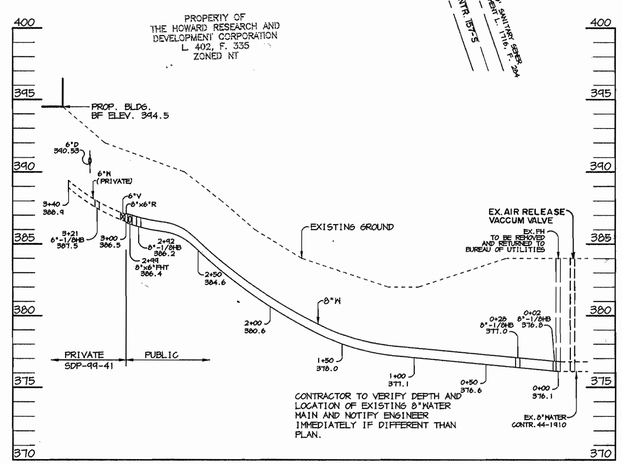
SCALE : 1"=600'



PLAN

SCALE: 1" = 50'

NOTE: SHUTOFF EX.8"V AT THE END OF CANVASBACK DRIVE PRIOR TO ANY EXCAVATION.



PROFILE

SCALE:
HOR. 1"=50'
VERT. 1"=5'

GENERAL NOTES

1. Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the contractor's expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. data.
4. All pipe elevations shown ⌒ are invert elevations.
5. Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractor's work requires the bracing of additional poles, any cost incurred by the owner for bracing of additional poles or damages shall be deducted from money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
6. For details not shown on the drawings, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Detail for Construction. (Latest Edition). The contractor shall have a copy of Volume IV on the job.
7. Where test pits have been made on existing utilities, they are noted by the symbol ▭ at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the contractor two weeks in advance of construction operations at his own expense.
8. Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531-5533
Baltimore Gas & Electric Co. Contractor Services	850-4620
Baltimore Gas & Electric Co. Underground Damage Control	787-4066
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	745-1340
Bureau of Utilities, Howard County Department of Public Works	313-4400

9. Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
10. Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
11. All water mains to be D.I.P. Class 52 unless otherwise noted.
12. Tops of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
13. Valves adjacent to tees shall be strapped to tees.
14. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
15. Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained and buttressed with concrete in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
16. The contractor shall not operate any water main valves on the existing water system.
17. All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
18. Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions and programs.
19. The fire hydrant shall be installed as per standard detail W.1.11.
20. Fire hydrants will be located 3' FROM BACK OF CURB unless otherwise noted.
21. For sprinkler systems, all townhomes or multi-family dwelling units should have a minimum of 1" connection with a 3/4" meter.
22. The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five (5) working days before any open cut of any County road or boring\jacking operation in County roads for laying water\sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.
23. Howard County DPW is hereby granted permission to access private lots shown on these plans in order to maintain public water and sewer house connections at the curb stops and/or cleanouts.

BENCHMARKS

HOWARD COUNTY CONTROL STATION: 30D1
N 572,225.3967 E 1,352,932.8820

HOWARD COUNTY CONTROL STATION: 30BA
N 573,061.6975 E 1,356,876.3954

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT QUANTITIES	AS-BUILT TYPE	AS-BUILT MANUFACTURER / SUPPLIER
8" WATER	303 LF			
6" WATER	16 LF			
FIRE HYDRANTS	1 EA.			
6" VALVES	2 EA.			

NAME OF UTILITY CONTRACTOR :

CHECKBOX	
AS-BUILT DATE	
SURVEY AND DRAFTING DIVISION	

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-99-41

Review for Howard Soil Conservation District and meets technical requirements.

Cheryl Simmons — 1/22/99
NATURAL RESOURCES CONSERVATION SERVICE — DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John R Robertson — 1/20/99
HOWARD SOIL CONSERVATION DISTRICT — DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W Berger — 1-15-99
CHIEF, BUREAU OF UTILITIES — DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Steve Lawrence — 1/22/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282
97282/SDP WS1.DWG

STATE OF MARYLAND — ARTHUR E. MUEGGE III — REG. NO. 8707 — PROFESSIONAL ENGINEER
Arthur E. Muegge
ARTHUR E. MUEGGE # 8707

DES: CJR	
DRN: KEV	
CHK: CJR	
DATE: 1/11/99	

BY	NO.	REVISION	DATE

PLAN AND PROFILE OF WATER MAIN

600' SCALE MAP NO. 30 BLOCK NO. 10

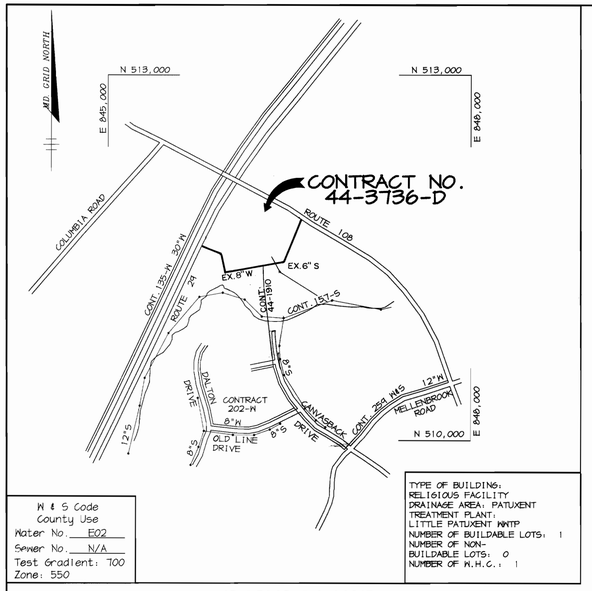
FIRST PRESBYTERIAN CHURCH
RELIGIOUS FACILITY
PARCEL 138 & 284
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 44-3736-D

SCALE AS SHOWN

SHEET 1 OF 1

M:\PROJECT\97282\SDP\WS1 Mon Jan 11 09:37:04 1999 RIEMER MUEGGE & ASSOCIATES, INC.

FIRST PRESBYTERIAN CHURCH

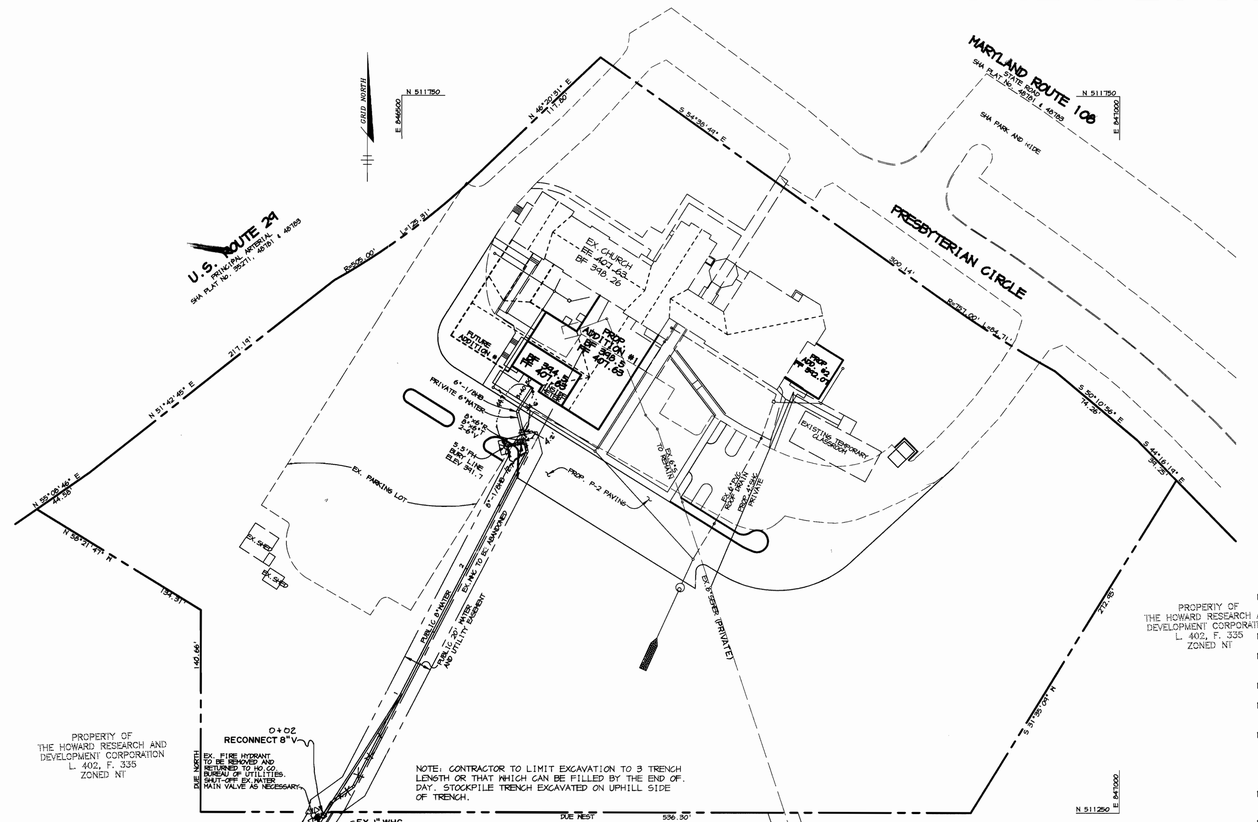


W & S Code	
County Use	
Water No.	E02
Sewer No.	N/A
Test Gradient:	T00
Zone:	550

TYPE OF BUILDING: RELIGIOUS FACILITY
DRAINAGE AREA: PATUXENT
TREATMENT PLANT: LITTLE PATUXENT WWTP
NUMBER OF BUILDABLE LOTS: 1
NUMBER OF NON-BUILDABLE LOTS: 0
NUMBER OF H.H.C.: 1

VICINITY MAP

SCALE : 1"=600'



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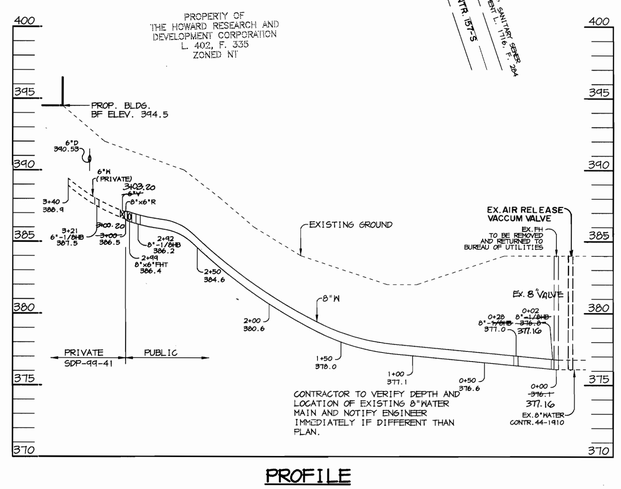

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N 572,225.3967 E 1,352,932.8820

HOWARD COUNTY CONTROL STATION: 30BA
N 573,061.6975 E 1,356,876.3954

QUANTITIES

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		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER	303 LF		DIP CLASS 52	ATLANTIC STATES U.S. FILTER
6" WATER	16 LF	53 L.F.	DIP CLASS 52	ATLANTIC STATES U.S. FILTER
FIRE HYDRANTS	1 EA.	1EA.	A-423 CENTURION	MUELLER CO. U.S. FILTER
6" VALVES	2 EA.	2EA.	RES. WEDGE GATE VALVE	MUELLER STATES U.S. FILTER

NAME OF UTILITY CONTRACTOR : UTILITIES UNLIMITED, INC.

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-99-41

CHECKBOX	
AS-BUILT DATE	
SURVEY AND DRAFTING DIVISION	

Review for Howard Soil Conservation District and meets technical requirements.

Cheryl Simmons — NATURAL RESOURCES CONSERVATION SERVICE — 1/26/99 DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John R Robertson — HOWARD SOIL CONSERVATION DISTRICT — 1/26/99 DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Bauman — CHIEF, BUREAU OF UTILITIES — 1-15-99 DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Henry — CHIEF, DEVELOPMENT ENGINEERING DIVISION — 1/22/99 DATE

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ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282
97282/SDP WS1.DWG

Arthur E. Muegge — ARTHUR E. MUEGGE # 8707

DES: CJR
DRN: KEV
CHK: CJR
DATE: 1/11/99

BY	NO.	REVISION	DATE
KCI	1	ASBUILT CONDITIONS ADDED TO PLAN	7/21/00

PLAN AND PROFILE OF WATER MAIN

600' SCALE MAP NO. 30 BLOCK NO. 10

FIRST PRESBYTERIAN CHURCH
RELIGIOUS FACILITY
PARCEL 138 & 284
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 44-3736-D

SCALE AS SHOWN

SHEET 1 OF 1

M:\PROJECT\97282\SDP\WS1 Mon Jan 11 09:37:04 1999 RIEMER MUEGGE & ASSOCIATES, INC.