

**WATER MAIN NOTES**

1. ALL WATER MAINS TO BE CLASS 92 D.I.P. UNLESS OTHERWISE NOTED.
2. TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3 1/2 COVER UNLESS OTHERWISE NOTED.
3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
4. BLOCK ALL FITTINGS WITH CONCRETE.
5. BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 10.03 AND 10.08 OF THE STANDARD SPECIFICATIONS.
6. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
7. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.

**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 CONTRACTORS EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
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. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
6. FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
7. FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
8. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
9. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
STATE HIGHWAY ADMINISTRATION - 531-5533  
BALTIMORE GAS AND ELECTRIC COMPANY-UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123  
BALTIMORE GAS AND ELECTRIC COMPANY-UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 685-0123  
ENGINEERING - "DAMAGE CONTROL" - 234-5621  
"MISS UTILITY" - 1-800-257-7777  
CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976  
AMERICAN TELEPHONE AND TELEGRAPH-CABLE LOCATION DIVISION - 393-3553  
COLONIAL PIPELINE COMPANY - 795-1390  
BUREAU OF UTILITIES HOWARD COUNTY - 992-2366
10. TREES ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
11. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
12. PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.

QUANTITIES			
ITEM	PROPOSED	AS BUILT	MAT'L SUPPLIES
6" WATER MAIN	162'	162'	DIP - GRIFFEN
FIRE HYDRANT	1	1	KENNEDY - M & H
6" VALVE & BOX	1	1	KENNEDY - M & H
2" BALL VALVE	1	1	FORD
6" x 6" TEE	1	1	DIP - GRIFFEN
2" TAPPED TEE	1	1	FORD
8" SHC	10'	10'	PVC - NATIONAL / AMERICAN
2" WHC	15'	15'	COPPER K / FORD
6" DIP 22 1/2" BEND	0	1	DIP / GRIFFEN
6" TAP SLEEVE VALVE	0	1	DIP / GRIFFEN / KENNEDY
* ADDED FOR FIRE LINE			

**SEWER NOTES:**

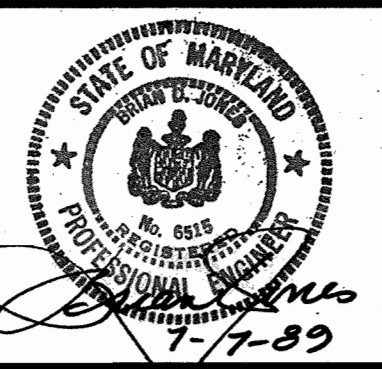
1. ALL SEWER MAINS SHALL BE C.S.P., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR PVC UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.

SEDIMENT CONTROL MEASURES SECTION 219 WILL BE IMPLEMENTED AND IN ACCORDANCE WITH ARTICLE 15 OF THE SPECIFICATIONS AND SDP 89-76

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 APPROVED: *Steph L. Paul* 7/27/89 SIGNATURE DATE  
 APPROVED: *James M. Hill* 7/25/89 SIGNATURE DATE  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT U.S. SOIL CONSERVATION SERVICE

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Director of Public Works: *James M. Hill* 8/1/89 DATE  
 Chief Bureau of Engineering: *Richard E. Ryan* 8-1-89 DATE  
 Chief Bureau of Utilities: *Michael A. Scavullo* 7-26-89 DATE  
 Chief Land Development Division: *Richard E. Ryan* 7/26/89 DATE

WHITNEY BAILEY CONSULTING ENGINEERS  
 1850 York Road Timonium Md. 21093  
 301-252-6060  
 AGNANI



DES. A.R.T.  
 DRN. G.G. G.B.  
 CHK. P.D.  
 DATE: 7-12-89 BY NO REVISION DATE

WATER MAIN EXTENSION  
 PLAN AND PROFILE  
 CONTRACT NO. 14-1956-D  
 600' SCALE MAP NO. BLOCK NO.

CHURCH OF THE RESURRECTION  
 ELECTION DISTRICT NO. 2  
 SCALE AS SHOWN  
 SHEET 1 OF 1  
 AS-BUILT 7/1/90