



- 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.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. data.
- All pipe elevations shown are invert elevations.
- Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utilities 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 the 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.
- For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IV on the job.
- 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.
- Contractor shall notify the following utilities 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 880-4620
 - Baltimore Gas & Electric Co. Under Ground Damage Control - 889-9004
 - Baltimore Gas & Electric Co. Trouble Shooting - 298-9001
 - Miss Utility - 1-599-0100
 - Colonial Pipeline Co. - 795-1390
 - Bureau of Utilities, Howard County Department of Public Works - 992-2366
 - C & P Telephone Co. - 1-800-287-7777
- 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.
- 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.
- All water mains to be D.I.P. unless otherwise noted.
- Tops of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- Fire hydrants shall be set to the bury line 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 shall be compacted in accordance with Section 1003 the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING. SERVICE CLAMPS ARE TO HAVE STAINLESS STRAPS.

ITEM	QUANTITIES		MATERIAL / SUPPLIER
	ESTIMATED	AS-BUILT	
8" W	511'	514.5	PERLIN PIPE COMPANY
6" W	173'	218	PERLIN PIPE COMPANY
8" VALVE	2	3	M. BUNCH COMPANY
6" VALVE EXCLUD. IN VALVE	2	2	M. BUNCH COMPANY
6" FH (BURY)	3	3	M. BUNCH COMPANY
8" x 8" TEE	1	1	PERLIN PIPE COMPANY
8" x 6" TEE	3	3	PERLIN PIPE COMPANY
8" x 6" RED.	2	2	PERLIN PIPE COMPANY
8" 1/2 BEND	2	1/6 BEND	PERLIN PIPE COMPANY
6" 1/2 BEND	1	1	PERLIN PIPE COMPANY
6" CAP	1	1	PERLIN PIPE COMPANY
12" x 8" TAPPING SLEEVE	1	1	M. BUNCH COMPANY
6" SRC	27'	29	

Reviewed for HOWARD S.C.D. and meet Technical Requirements
 1-14-88
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 01-04-88

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS AND SDP 87-277.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works Robert R. Berman DATE: 2-1-88	ARTHUR E. LEONARD 25 W. COURTLAND ST. BEL AIR, MARYLAND 21014 Chief, Land Development Division DATE: 01-04-88	DES: D.B. DN: D.B. CHK: A.L. DATE: 01-04-88	WATER MAIN PLAN & PROFILE SHOW SLEEVE DETAIL AND SHOW ON PLAN AND HOUSE CONN. BLDG DIMENSIONS 5-8-78 12-11-88	JONES PROPERTY (SDP 87-222) ELECTION DISTRICT HOWARD COUNTY, MD. TAX MAP 43 CONTRACT NO. 24-1751-0 SCALE AS SHOWN SHEET 1 OF 1
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AS-BUILT MAY 2, 1988