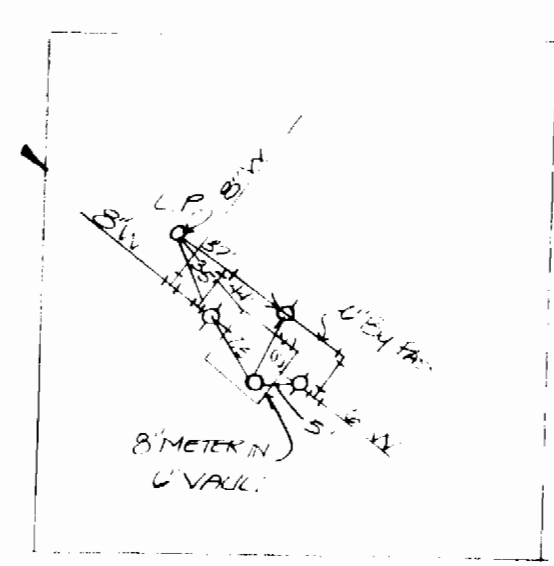


- GENERAL NOTES**
- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately. At the CONTRACTOR'S EXPENSE.
 - All horizontal controls 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 2'-0" minimum or tunnel as required.
 - For all standard details, see standards bound in specifications.
 - Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
 - 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, Howard County D.P.W. - 992-2366.
 - B. G. & E. Co. - Underground Electric Distribution Engineering - "Damage Control" - 234-5691.
 - B. G. & E. Co. - Underground Gas Distribution Engineering - 559-0100.
 - C. & P. Telephone Co. - 725-9976, Miss Utility - 1-559-0100.
 - A. T. & T. - Cable Location Division - (301) 393-3553.
 - Colonial Pipeline Co. - 781-4641.
 - Trees are to be protected from damage to maximum extent. Trees 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 as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for water main.
 - 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.
 - All water mains to be D.I.P. CL. 52.
 - Top 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.
 - Block all fittings with concrete, see standards bound in specifications.
 - 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 Section 1003 & 1008 of the Standard Specifications.
 - The contractor shall not operate any water main valves on the existing water system.
 - For details not shown on drawings and for materials and construction methods, use Howard County Design Manual, Volume IX, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IX on the job.
 - Each proposed retail shop shall be served with individual inside meters.
 - 6" Water meter vault shall be as per standard detail in special provisions.

WATER MAIN PROFILES

SCALE
 HORIZONTAL 1" = 50'
 VERTICAL 1" = 5'



ESTIMATE OF QUANTITIES

TYPE	QUANTITY	AS BUILT
8" Ductile Iron Watermain	295 L.F.	215
6" Ductile Iron Watermain	10 L.F.	10
Fire Hydrants	1	1
8" TAPPING SLEEVE & VALVE	1	1
6" VALVE	1	2
6" Water meter & vault	1	1
8" VALVE	1	2

ATLANTIC STATES/D.P.W.S.C
 MUELLER 1-1-13
 1/11/11-504
 1-1-13
 1-1-13

BENCH MARK #1 ELEVATION 329.40
 SET ON BONNET BOLT OVER MAIN VALVE STEM.

BENCH MARK #2 ELEVATION 329.75
 SET ON BONNET BOLT OVER MAIN VALVE STEM.

Reviewed for Howard S.C.D. and meets Technical Requirements

[Signature] 4-7-86
 U.S. Soil Conservation Service Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

[Signature] 4-16-86
 Howard S.C.D. Date



VILLAGE OF OWEN BROWN
SECTION 1, AREA 3
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works Robert M. Bevinger 4-21-86 Chief - Survey & Planning Date	A. Morton Thomas And Associates, Inc. Civil Engineers - Land Planners Land Surveyors 12750 Twinbrook Parkway Rockville, Maryland 20852 Phone: 301-881-2545	STATE OF MARYLAND PROFESSIONAL ENGINEER [Signature]	CONTRACT NO. 44-1459-D REVISED EASEMENT TO ACCOMMODATE VAULT. Add Water Meter Vault Add Valve & SAN. SEWER. REVISIONS SHOWN PER 1" REVIEW COMMENTS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	SCALE AS SHOWN 1 SHEET OF 1
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