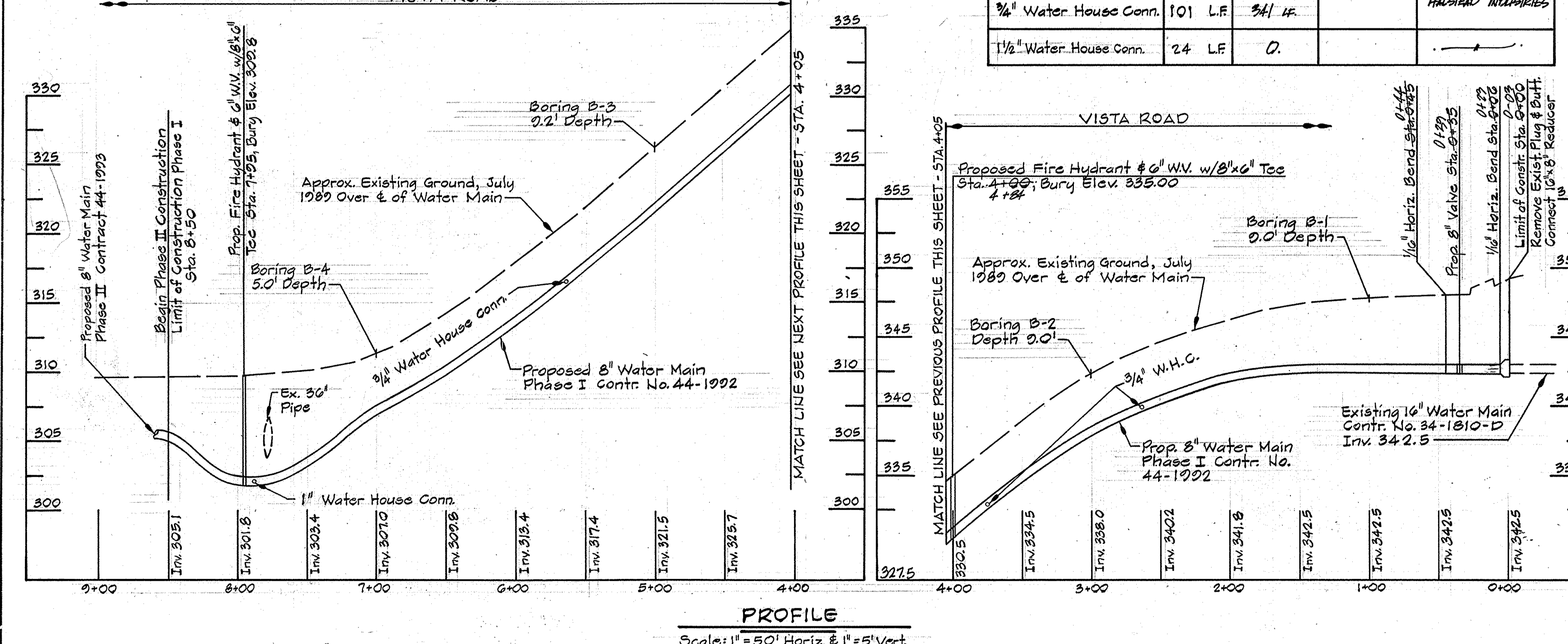


**QUANTITIES**

ITEM	QUANTITIES		TYPE MATERIAL	SUPPLIER
	ESTIM.	AS BUILT		
8" Water Main	850 L.F.	853 L.F.		ATLANTIC STATES PIPE
8" Water Valves	1 EA.	1 EA.		MUELLER COMPANY
Std. Fire Hydrant	2 EA.	2 EA.		MUELLER COMPANY
3/4" Water House Conn.	101 L.F.	341 L.F.		HALLSTAD INDUSTRIES
1 1/2" Water House Conn.	24 L.F.	0		

**GENERAL NOTES:**

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS, 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 BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS BASED ON U.S.G.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6".
- 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 [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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
 BALTO. GAS & ELECTRIC CO. - CONTRACTOR SERVICE 850-4620  
 BALTO. GAS & ELECTRIC CO. - UNDERGROUND DAMAGE CONTROL 859-9004  
 BALTO. GAS & ELECTRIC CO. - TROUBLE SHOOTING 298-9001  
 BUREAU OF UTILITIES, HOWARD COUNTY DEPT. OF PUBLIC WORKS 992-2366  
 C & P TELEPHONE COMPANY 1-800-257-7777  
 COLONIAL PIPELINE COMPANY 795-1390  
 STATE HIGHWAY ADMINISTRATION 531-5533  
 MISS UTILITY 1-559-0100
- TREE 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. CLASS S2 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MIN. OF 3.5' 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 ELEV. SHOWN ON THE DWGS. ALL FIRE HYDS. SHALL BE STRAPPED AND BUTTRESSED WITH CONC. IN ACCORDANCE WITH STD. DETAILS. SOIL AROUND THE FIRE HYD. SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 FROM THE SPECS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM. CALL HOWARD COUNTY BUREAU OF UTILITIES AT 992-2366. COORDINATE THE TIE-IN TO THE EXISTING 8" WATER AT LEAST FIVE WORKING DAYS PRIOR TO SCHEDULING.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.



<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND Director of Public Works: James P. [Signature] 2-9-90 Chief, Bureau of Utilities: Robert M. [Signature] 2-9-90	<b>WALLACE, MONTGOMERY &amp; ASSOCIATES</b> 1544 YORK ROAD LUTHERVILLE, MARYLAND 21093 (301) 494-9093 Chief, Bureau of Engineering: [Signature] 2-13-90 Chief, Utility Division: [Signature] 2-5-90		DES: J.C.W. DRN: S.W.S. CHK: J.C.W. DATE: 12-8-89	<b>PLAN AND PROFILE OF</b> <b>WATER EXTENSION</b>	<b>VISTA ROAD ROUTINE WATER EXTENSION PHASE I</b> CAPITAL PROJECT W 8689 CONTRACT NO. 44-1992 ELECTION DISTRICT NO. 5 HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 1 OF 3
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WATER AS BUILT 12/15/90