



**VICINITY MAP**  
SCALE 1"=600'

TYPE OF BUILDINGS: RESIDENTIAL  
NUMBER OF PARCELS: 5  
NUMBER OF WATER HOUSE CONN.: 5  
DRAINAGE AREA: 100000 SQ. FT.

- GENERAL NOTES**
- APPROXIMATE LOCATIONS 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.
  - HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
  - ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
  - THE CONTRACTOR SHALL REMOVE, TRIM, AND BRACE ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO CLEAR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
  - FOR DETAILS NOT SHOWN ON THE DRAWINGS, USE HOWARD COUNTY STANDARD DETAILS.
  - FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY STANDARD SPECIFICATIONS.
  - CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF THE PROPOSED UTILITIES AT HIS OWN EXPENSE.
  - CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
BALTIMORE GAS AND ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE (685-0123)  
BALTIMORE GAS AND ELECTRIC CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE (685-0123)
  - ENGINEERING - DAMAGE CONTROL (234-5621)  
CHESAPEAKE & POTOMAC TELEPHONE COMPANY (725-9976)  
BUREAU OF UTILITIES, HOWARD COUNTY (692-2366)  
MISS UTILITY (1-559-0100)
  - 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 THE 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.
  - 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. UNLESS OTHERWISE NOTED.
  - TOP OF WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
  - VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
  - 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 HYDRANTS TO BE COMPACTED IN ACCORDANCE WITH SECTION 1003 AND 1008 OF THE STANDARD SPECIFICATIONS.
  - ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
  - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
  - FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPE FITTINGS ONLY.

- SEDIMENT CONTROL NOTES**
- SEDIMENT CONTROL APPROVAL IS DESIGNATED ON DAILY BACKFILLING OF ALL OPEN TRENCHES.
  - IF EXISTING 24" PIPE AT STATION 1+40 IS REMOVED FOR REPLACEMENT OF WATER MAIN, CONTRACTOR SHALL CONTACT SEDIMENT CONTROL DIVISION (302-2420) FOR ADDITIONAL SEDIMENT CONTROL MEASURES PRIOR TO REMOVAL.
  - PROVISIONS SHALL BE MADE FOR DAILY CLEAN UP OF ANY SEDIMENT THAT ACCUMULATES ON THE PUBLIC RIGHTS-OF-WAY.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 16 OF THESE SPECIFICATIONS. THIS PLAN IS APPROVED FOR SEDIMENT AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT APPROVED: *Stephan J. Fisher* 6/12/84 HOWARD SOIL CONSERVATION DISTRICT DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS APPROVED: *J. Ann M. Helton* 6/12/84 U.S. SOIL CONSERVATION DISTRICT DATE

ITEM	EST'D	AS BUILT	SUPPLIED
6" WATER	850 L.F.	860 D.I.P.	ATLANTIC
94" W.H.C.	25 L.F.	45 L.F.	A.P. WATER
6" WATER	20 L.F.	26" D.I.P.	A.P. WATER
FIRE HYD.	2 EA.	2	MUELLER
G VALVES	3 EA.	3	MUELLER
DELOCATE W/H INCL. 10 FT. OF 94" W.H.C.	1 EA.	1	
6" TAPPING SLEEVE 10 VALVE	1 EA.	1	A.P. WATER

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS: *Robert M. Berger* 6-15-84  
CHIEF, BUREAU OF UTILITIES

CHIEF, BUREAU OF ENGINEERING: *Allen L. Brown* 5/12/84  
CHIEF, UTILITY DIVISION

FISHER, COLLINS, AND CARTER, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043

TERRELL A. FISHER DATE: 12/1/84

REVISION	DATE	BY	NO.	REVISION	DATE
1	6/12/84	J.F.	1	REVISE SECTION REFERENCE IN GEN. NOTE #17 & PROFILE STA. FOR 1/2" H.B.	

PLAN, PROFILE & DETAILS  
WATER MAIN

LINCOLN DRIVE WATER MAIN  
CAPITAL PROJECT NO. W-8684  
CONTRACT NO. 44-1184  
6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 1 OF 1

600' SCALE MAP NO. 43 BLOCK NO. \_\_\_\_\_

WO 10103 FB HC 22  
A-9 Built January 1986  
FINAL - AUGUST 3, 1984