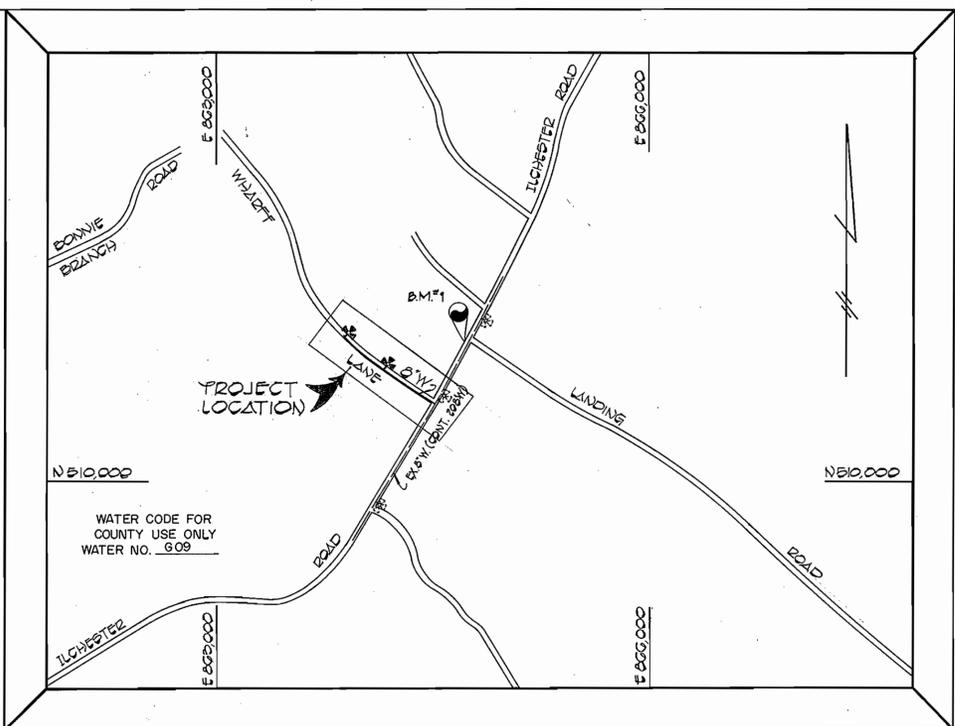


BENCH MARKS
 B.M.#1 ELEV. 471.60
 10' CO. MON # 2845008-2, 600'±
 NORTHEAST OF WHARFF LANE IN
 ILCHESTER ROAD
 (SEE VICINITY MAP)
 B.M.#2 ELEV. 450.16
 R.R. SPIKE SET IN WHARFF LANE, 45'±
 SOUTHWEST OF CHY POLE #21/2
 (F.C.C. TRAVERSE STA. P.5)

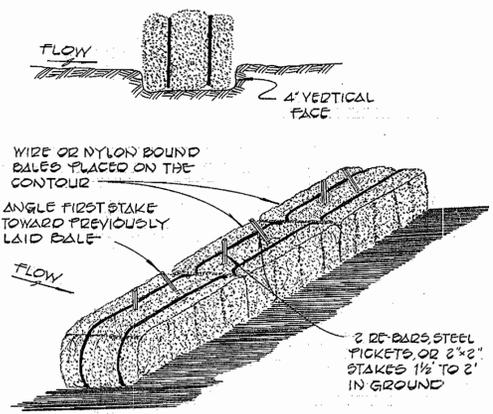


TYPE OF BUILDINGS: RESIDENTIAL
 NUMBER OF PARCELS: 4
 NUMBER OF WATER HOUSE CONNS.: 4
 DRAINAGE AREA: 1.247 AC

VICINITY MAP
 SCALE: 1" = 600'

GENERAL NOTES

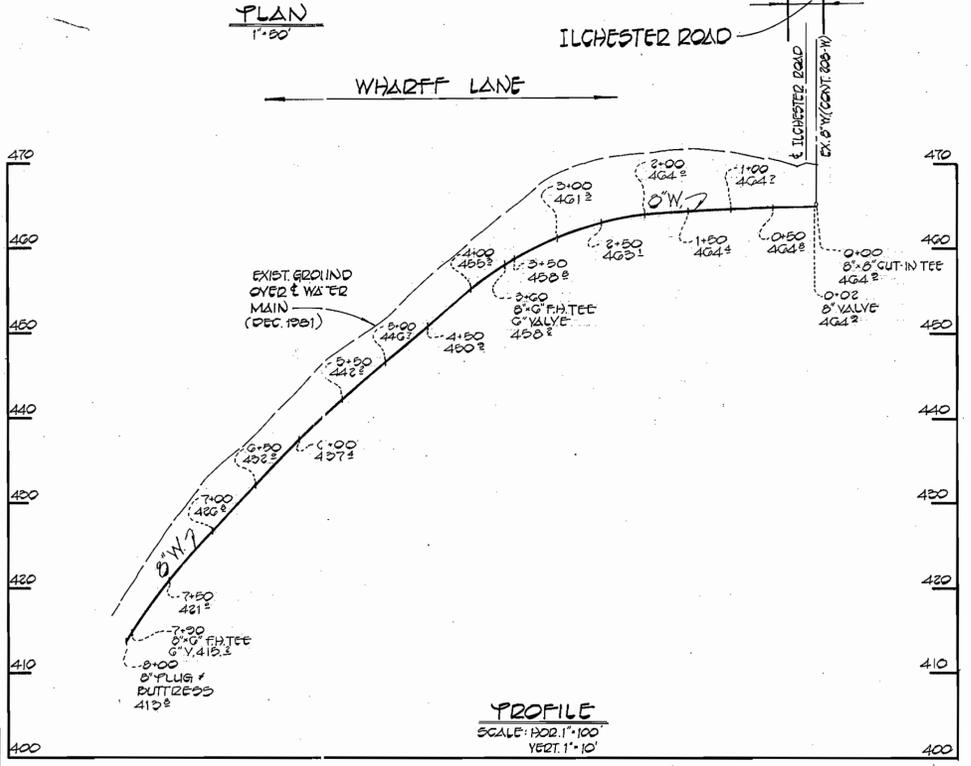
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- 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. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR EXCAVATION AND BACKFILL.
- FOR DETAILS NOT SHOWN ON DRAWING 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 PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR 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)
 "MISS UTILITY" - (1-559-0100)
 CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - (725-9976)
 BUREAU OF UTILITIES, HOWARD COUNTY - (992-2366)
- 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 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 C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- BLOCK ALL FITTINGS WITH CONCRETE.
- 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 37.01 AND 37.05 OF THE STANDARD SPECIFICATIONS AND DETAILS.
- ALL WATER HOUSE CONNECTIONS SHALL BE SET FOR AN INSIDE METER SETTING.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- WATER MAIN AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.



STRAW BALE DIKE
 NO SCALE

THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT APPROVED:
 William J. Thomas 1-8-82
 HOWARD SOIL CONSERVATION DISTRICT DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 Thomas M. Helms 1-8-82
 U.S. SOIL CONSERVATION SERVICE DATE



PROFILE
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

QUANTITIES			
ITEM	EST'D	AS-BUILT	SUPPLIER
WATER	200 LF.		
WATER	50 LF.		
FIRE HYD.	2 EA.		
VALVES	1 EA.		
FIRE VALVES	2 EA.		
3/4" WAG	60 LF.		

CONTRACT NO. 44-1031
 CAPITAL PROJECT: W-8122
 WHARFF LANE
 WATER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY MARYLAND
 Director of Public Works: William F. Murphy 1-19-82
 Chief, Bureau of Engineering: [Signature] 11/1/82
 Chief, Bureau of Utilities: Robert M. Brinson 1-18-82
 Chief, Utility Division: Allen S. Brown 11/1/82

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

CONTRACT NO. 44-1031
 CAPITOL PROJECT W-8122

PLAN & PROFILE
WATER MAINS

WHARFF LANE
WATER MAIN EXTENSION
ELECTION DISTRICT I
HOWARD COUNTY, MARYLAND

DRAWING NO. OF: AS SHOWN
 SCALE: AS SHOWN
 DES: D.B.S.
 DRN: D.B.S.
 CHK: T.A.F.

FEBRUARY 10, 1982

1031/1 W