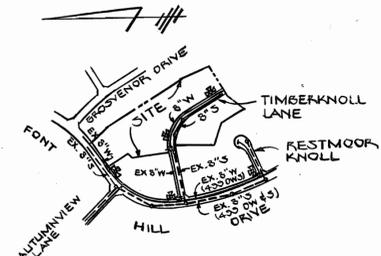


SECTION ONE  
SOMERSET  
P.B. 17 F. 32



TYPE OF BUILDINGS - SINGLE FAMILY  
NO. OF LOTS - 14  
NO. OF W.H.C. - 14  
NO. OF S.H.C. - 12  
DRAINAGE AREA - 107,450 SQ. FT.  
FOR PUMPING STATION

VICINITY MAP  
SCALE: 1" = 600'

WATER AND SEWER CODE  
(COUNTY USE)  
SEWER NO. 588200  
WATER NO. F 12

FONT HILL DRIVE

LANE

TIMBERKNOLL

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 M.D. STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MIN. OF 6". CLEAR ALL POLES BY 2'-0" MIN. OR TUNNEL AS REQ. THE OWNER HAS CONTACTED THE UTILITY COMPANY AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES ADDITIONAL BRACING OF POLES, ANY COSTS INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGE SHALL BE DEDUCTED FROM THE 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 M.D. CO. DESIGN MANUAL, VOL. IV, STD. SPECS. AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOL. IV ON THE JOB.
- WHERE TEST PITS HAVE BEEN MADE ON EXIST. 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  
BALTO. G & E CO. - CONTRACTOR SERVICES 850-4620  
BALTO. G & E CO. - UNDERGROUND DAMAGE CONTROL 850-9004  
BALTO. G & E CO. - TROUBLE SHOOTING - 298-9001  
MISS UTILITY 1-550-0100 COLONIAL PIPELINE CO. 795-1300  
BUREAU OF UTILITIES, HOWARD CO. DEPT. OF PUBLIC WORKS 992-2366  
C & P TELEPHONE CO. 1-800-257-7111
- TREES & SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES & SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS & ROOTS ALONG LINE OF EXCAVATION PAYMENTS FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL WATER MAINS ARE TO BE 0.1" CLASS 52 ONLY UNLESS OTHERWISE SHOWN.
- TOPS OF ALL WATER MAINS TO HAVE A MIN. OF 3'-5" COVER.
- VALVES ADJACENT TO TIES SHALL BE STRAPPED TO TIES.
- ALL FITTINGS SHALL BE SPACED WITH CONCRETE IN ACCORDANCE WITH THE STD. DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRWG'S.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED & BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STD. DETAILS. SOIL AROUND THE FIRE HYDRANTS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL SEWER MAINS SHALL BE C.S.P., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS, STD. DETAIL 3.1.45. WHERE WATER-TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH ANWA SPECIFICATION C-153 DUCTILE IRON COMPACT FITTINGS, 3" THROUGH 12" FOR WATER AND OTHER LIQUIDS.

BENCH MARKS

NO. 1 + CUT IN RIM TOP OF SANITARY MANHOLE NO. 10 ELEV. 390.61

NO. 2 + CUT IN RIM TOP OF SANITARY MANHOLE NO. 2 ELEV. 363.54

QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	MATERIAL/SUPPLIER
8" SEWER	572 LF	514 LF	BELAIR ROAD SUPPLY
MANHOLE	35 VF	34.71 VF	ATLANTIC CONCRETE PRODUCTS, INC.
8" WATER	550 LF CL. 52	547.5 LF	BELAIR ROAD SUPPLY
FIRE HYDRANT	2	2	MUNICIPAL AND CONTRACTORS SALE
6" VALVE	2	2	MUNICIPAL AND CONTRACTORS SALE
3/4" W.H.C.	68 LF	107 LF	BELAIR ROAD SUPPLY
1" W.H.C.	178 LF	185 LF	BELAIR ROAD SUPPLY
4" S.H.C.	340 LF	331 LF	BELAIR ROAD SUPPLY

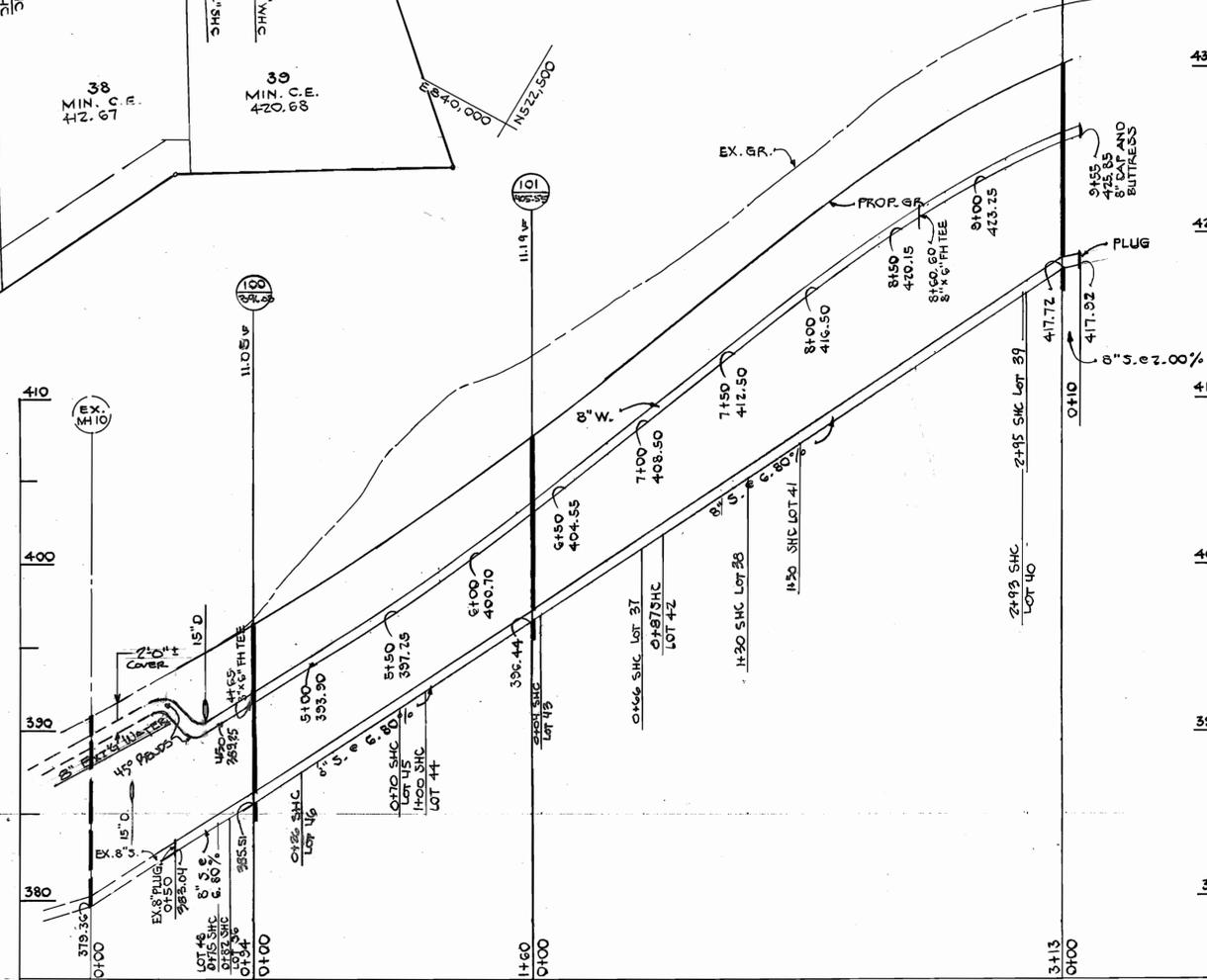
SEE F.88-187 FOR SEDIMENT CONTROL

THESE PLANS FOR SOIL EROSION & SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SCD

*Stephen L. Shuler* 4/24/89 DATE  
HOWARD SCD

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD S.C.D. AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. SOIL CONSERVATION SERVICE DATE



PROFILE  
SCALE: HORIZ. 1" = 50'; VERT. 1" = 5'

AS-BUILT

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*John O'Hara* 4/24/89 DATE  
CHIEF, BUREAU OF PUBLIC WORKS

*Robert J. Bennett* 4-21-89 DATE  
CHIEF, BUREAU OF UTILITIES

*Richard E. Riley* 4-27-89 DATE  
CHIEF, BUREAU OF ENGINEERING

*Charles H. Ryan* 4/27/89 DATE  
CHIEF, LAND DEVELOPMENT DIVISION

HARFORD DRAFTING AND DESIGN, INC.  
601 CHARWOOD COURT  
EDGEWOOD, MD. 21040

ARTHUR LEONARD  
25 W. COURTLAND ST.  
BELAIR, MD. 21014



DES: DB  
DRN: DB  
CHK: AL  
DATE: DWB 1 CELLAR, ELEV. LOTS 37, 38, 39, 40 & 45

BY NO. REVISION DATE

TIMBERKNOLL LANE  
PLAN AND PROFILE  
WATER AND SEWER  
MAINS

FONT HILL VILLAGE

SECTION 5  
2<sup>ND</sup> ELECTION DISTRICT  
HOWARD COUNTY, MD.

CONTRACT NO. 24-1779-D  
AS-BUILT 2-7-91

SCALE AS SHOWN  
SHEET 1 OF 1