



MANHOLE STAKEOUT TABLE

MANHOLE	DISTANCE	OFFSET
1	258' FROM W-4 TOWARDS W-5	55' LEFT
2	14' FROM W-5 TOWARDS H-92	57' LEFT
3	213' FROM W-5 TOWARDS H-92	43' LEFT
4	531' FROM W-5 TOWARDS H-92	25' LEFT

SEWER

ITEM	QUANTITIES	TYPE	SUPPLIERS
8" SEWER	696 LF *		
MANHOLES	4 EA		
6" SHC	24 LF		

SEWER CODE FOR COUNTY USE ONLY
SEWER CODE NUMBER 2521000

TYPE OF BUILDINGS	COMMERCIAL	HOWARD COUNTY BENCH MARKS
NUMBER OF LOTS	3	STAT. 2444010 ELEV. 290.413 FT.
NUMBER OF SEWER HOUSE CONNECTIONS	3	STAT. 2444009 ELEV. 292.100 FT.
DRAINAGE AREA	PATAPSCO	

- 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.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 AT THE LOCATION OF THE TEST PIT. ANOTE 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
 - BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES 850-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDER GROUND DAMAGE CONTROL - 850-9004
 - BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING 296-9001
 - MISS UTILITY 559-0100
 - COLONIAL PIPELINE CO. 785-1500
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 992-2566
 - CHESAPEAKE & POTOMAC (CAP) TELEPHONE COMPANY 1-800-257-7777
- TREES 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 TREE STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PERMIT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- 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 WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- T.B. DENOTES TEST BORING.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 65-52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- INVERTS OF THE SEWER HOUSE CONNECTIONS AT THE PROPERTY LINE ARE INDICATED BY THE SYMBOL .
- ALL MANHOLES SHALL BE PRECAST AND SHALL BE ACCORDING TO GS11 & GS.12.

SEDIMENT CONTROL NOTES:

- SEDIMENT CONTROL APPROVAL IS PREDICATED ON DAILY BACKFILLING OF ALL OPEN TRENCHES
- PROVISIONS SHALL BE MADE FOR DAILY CLEANUP OF ANY SEDIMENT THAT ACCUMULATES ON THE PUBLIC RIGHTS-OF-WAY

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.

Reviewed for Howard County S.C.D. and meets technical requirements.

James M. Fildes Date: 3/1/88
U.S. SOIL CONSERVATION SERVICE

This development plan is approved for soil erosion and sediment control by The Howard County Soil Conservation District.

Approved: *[Signature]* Date: 3/1/88
HOWARD COUNTY S.C.D.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DIRECTOR OF PUBLIC WORKS: <i>[Signature]</i> DATE: 3/13/88 CHIEF, BUREAU OF UTILITIES: <i>[Signature]</i> DATE: 3-17-88	UTILITY DESIGN DIVISION CHIEF, BUREAU OF ENGINEERING: <i>[Signature]</i> DATE: CHIEF, UTILITY DESIGN DIVISION: <i>[Signature]</i> DATE: 3/16/88		DES: T.E.B.		PLAN AND PROFILE OF SEWER MAIN	OLD WATERLOO RD. SEWER MAIN EXTENSION CAPITAL PROJECT S-6688 CONTRACT NO. 10-1675 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 1 OF 1
			DRN: T.E.B.				
DATE: _____ BY: _____ NO. _____ REVISION _____ DATE _____			AS-BUILT 3-17-89				