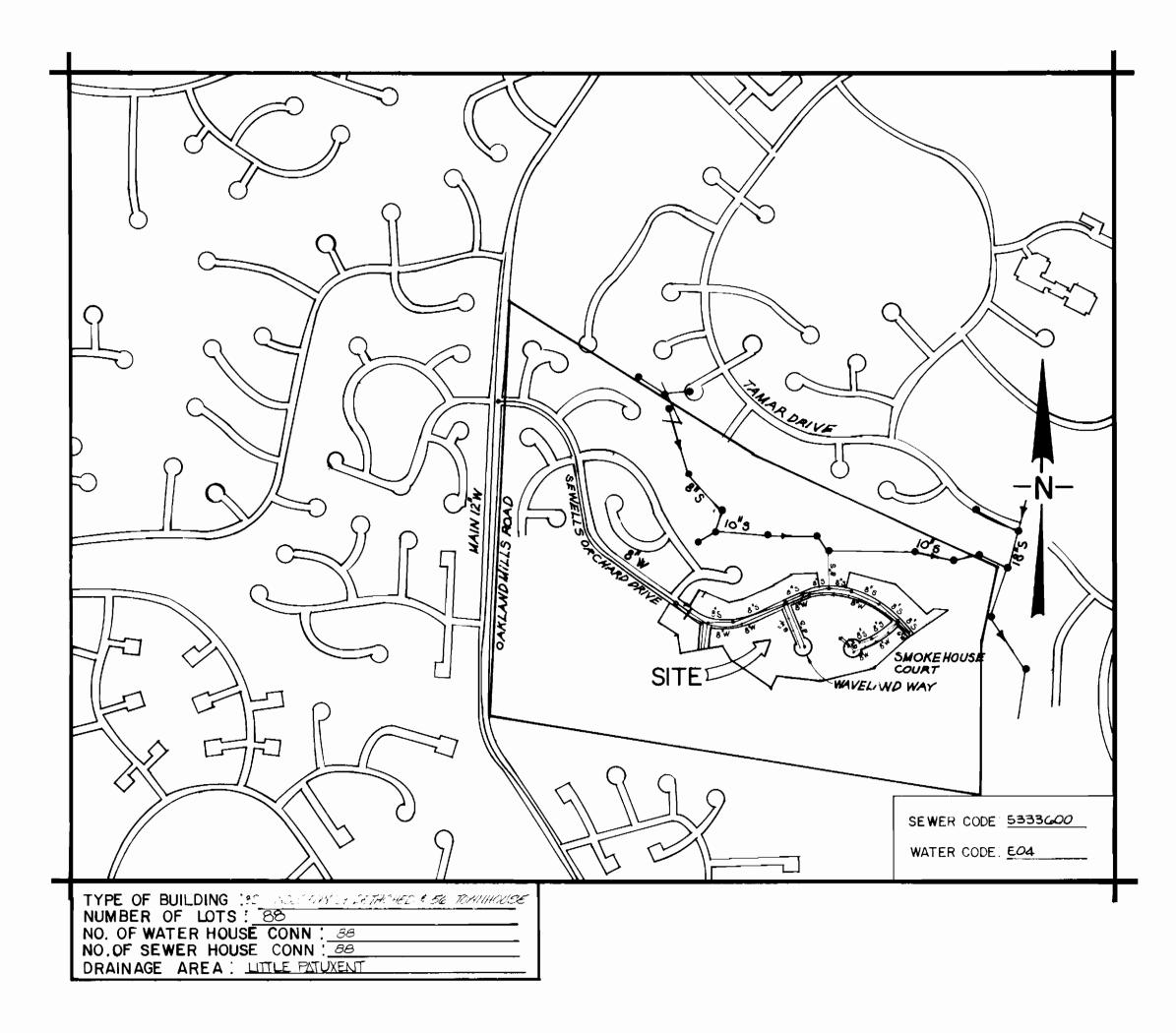
QUANTITIES			
ITEM	EST'D	AS BUILT	SUPPLIER
8" WATER	8525 L.F.	2180	FLOW IND.
6" WATER	411 U.F.	378	FLOW IND.
FIRE HYD .	5	5	FLOW IND.
I" WHC	1682 C.F.	674	FLOW IND.
3/4" WHC	1623 U.F.	1376	FLOW IND
8" VALVES	4	4	FLOW IND.
6" F.H. VALVES	5	5	FLOW IND.
8" SEWER	8101 GF	2671	LOGOUCLAY PROD
6" SEWER	2047 U.F.	1968	LOGOUCLAY PROD.
MANHOLES	15	15	A ! P WATER ! SEWER
4 VALVES	1	1	FLOW IND., INC.



SEWELLS ORCHARD SECTION 2 AREA 2 HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS CONTRACT NO. 24 - 1152 - D

SEDIMENT CONTROL MEASURERES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORRANCE WITH ARTICLE 15 OF THESE SPECIFICATIONS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN F - 83 - 30

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECNICAL REQUIREMENTS

U. S. SOL CONSERVATION SERVICE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

CHIEF, BUREAU OF ENGINEERING

11.2340 HOWARD SOIL CONSERVATION DISTRICT DATE EVANS, HAGAN & HOLDEFER, INC. ENGINEERS, PLANNERS& SURVEYORS.

1052 WEST STEET / LAUREL ,MD. 20707

(301) / 792-8086

THIS DEVELOPMENT PLAN IS APPROVED FOR

EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT

BEYIBE TO BEMOVE PRIVATE DRIVE DRN: BY NO. DATE: REVISION DATE 600' SCALE MAP NO. 36 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 CONTRUCTION OF

FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS. FOR MATERIAL AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MININUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE

GENERAL NOTES

CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS :

BALTIMORE GAS & ELECTRIC COMPANY-UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE : 685 - 0123 BALTIMORE GAS & ELECTRIC COMPANY-UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE : 685 - 0123 ENGINEERING "DAMAGE CONTROL": 234-5621 "MISS UTILITY": 1 - 559 - 0100

CHESAPEAKE & POTOMAC 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 SEWER MAINS SHALL BE # C.S.P. X, R.C.S.R., P.V.C, V.C.P.X. OR A.C.P CLASS 2400 UNLESS OTHERWISE NOTED

CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 21-0" 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. ALL WATER MAINS TO BE C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED. .

TOP OF WATER MAINS TO HAVE A MINIMUM OF 3' - 6" COVER UNLESS OTHERWISED.

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 BUT TRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 37.01 AND 37.05 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. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT

LEAST ONE (I) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOVE IT . MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC

MANHOLE FRAME AND COVER, STANDARD DETAIL G5.51 MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS

USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE FOR ALL COPPER WATER HOUSE CONNECTIONS UTILIZE FLARED TYPE FITTINGS ONLY.

STANDARD PAYMENT DEPTH FOR SANITARY MANHOLES = 8.0'

COVER

WATER AND SEWER MAINS

SHEET

BLOCK NO ___ 17

CONTRACT NO.24-1152-D SECTION 2 AREA 2 WATER AND SEWER EXTENSION HOWARD COUNTY, MARYLAND

SEWELLS ORCHARD SECTION 2 AREA 2

CONTRACT NO. 24 - 1152 - D SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SHEET

SCALE

SHOWN

