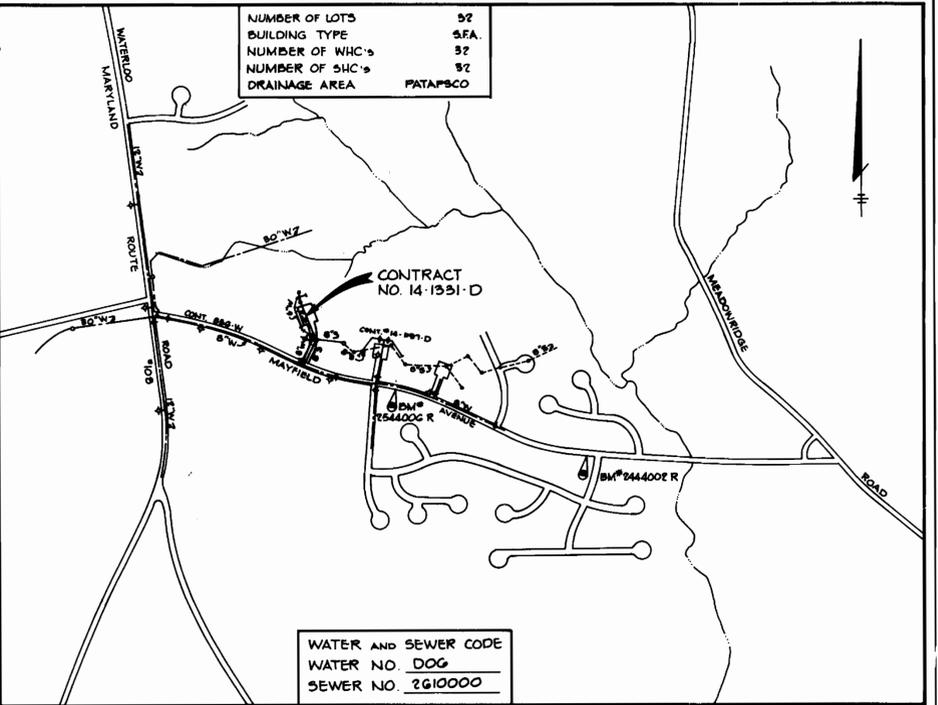


HOWARD SOIL CONSERVATION DISTRICT:  
 REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT  
 AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Hebe* 5-3-85  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT  
 CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Stephen L. Huber* 5-3-85  
 HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE  
 IMPLEMENTED IN ACCORDANCE WITH ARTICLE #15 OF THE  
 HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER  
 ROAD CONSTRUCTION PLANS #F-85-69

**BENCH MARKS**  
 HC. BM #2444002 R ELEV. 285.474  
 REBAR 0.3' BELOW SURFACE  
 HC. BM #2544006 R ELEV. 305.223  
 REBAR 0.2' BELOW SURFACE



NUMBER OF LOTS	92
BUILDING TYPE	5.FA.
NUMBER OF WHC's	52
NUMBER OF S.H.C.'s	92
DRAINAGE AREA	PATAWSCO

WATER AND SEWER CODE  
 WATER NO. 006  
 SEWER NO. 2610000

**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. DATA.
- 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. THE OWNER HAS CONTACTED THE UTILITIES COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITIES COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOL. IV, STAND. SPECS. AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOL. IV ON THE JOB.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL (Z) AT THE LOCATION OF THE EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE 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 - 561-2585  
 BALTIMORE GAS & ELECTRIC CO. UNDER GROUND DAMAGE CONTROL - 234-5621  
 BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING - 298-9013  
 MISS UTILITY - 1-559-0100  
 COLONIAL PIPELINE CO. - 795-1390  
 BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 992-2366
- 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 TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE 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 SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 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., 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.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G.552 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.H.S." INDICATES THAT CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL BE SET FOR INSIDE METER SETTING.

QUANTITIES			
ITEM	PROPOSED	AS-BUILT	SUPPLIER
Fire Hydrants	1 EA	1 EA	A.P. MUELLER
8" Water	200 LF	195 LF	A.P. ATLANTIC
6" Water	414 LF	684 LF	" "
8" Valves	2 EA	2 EA	A.P. UNION F'DRY
2" W.H.C.	205 LF	226 LF	A.P. MUELLER
3/4" W.H.C.	525 LF	503 LF	" "
1" W.H.C.	26 LF	21 LF	" "
Manholes	53 VF	52 VF	YORK CONC.
8" Sewer	797 LF	776 LF	A.P. CERTAIN
C" S.H.C.	825 LF	917 LF	A.P. TEED

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*James F. Nease* 5-9-85  
 DIRECTOR OF PUBLIC WORKS DATE

*William J. Kelly* 5-9-85  
 CHIEF, BUREAU OF ENGINEERING DATE

*William J. Kelly* 5-10-85  
 CHIEF, BUREAU OF UTILITIES DATE

*William J. Kelly* 5-10-85  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

TRACY, SCHULTE  
 & ASSOCIATES INC.  
 planning architecture engineering  
 8450 Baltimore National Pike Suite 34  
 Ellicott City, Maryland 21043



DES: RJW					
DRN: KAM					
CHK: JKT					
DATE: 11-1-84	BY: NO.	REVISION	DATE	600' SCALE MAP NO. 37	BLOCK NO. 14

PLAN OF  
 WATER AND SEWER MAINS

THOMPSON'S PURCHASE  
 SECTION 4, AREA 1  
 ELECTION DISTRICT NO. 1  
 CONTRACT NO. 14-1331-D

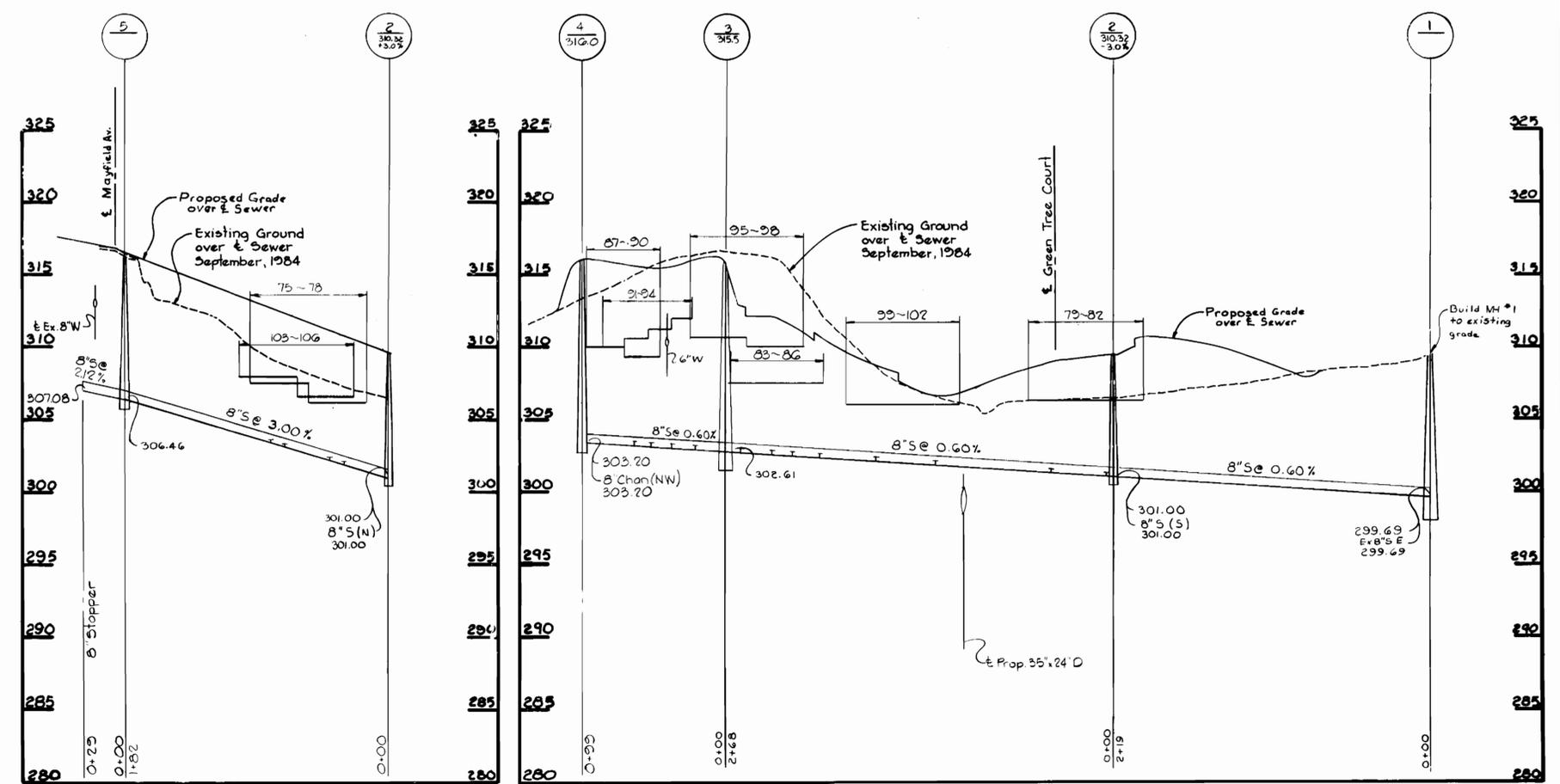
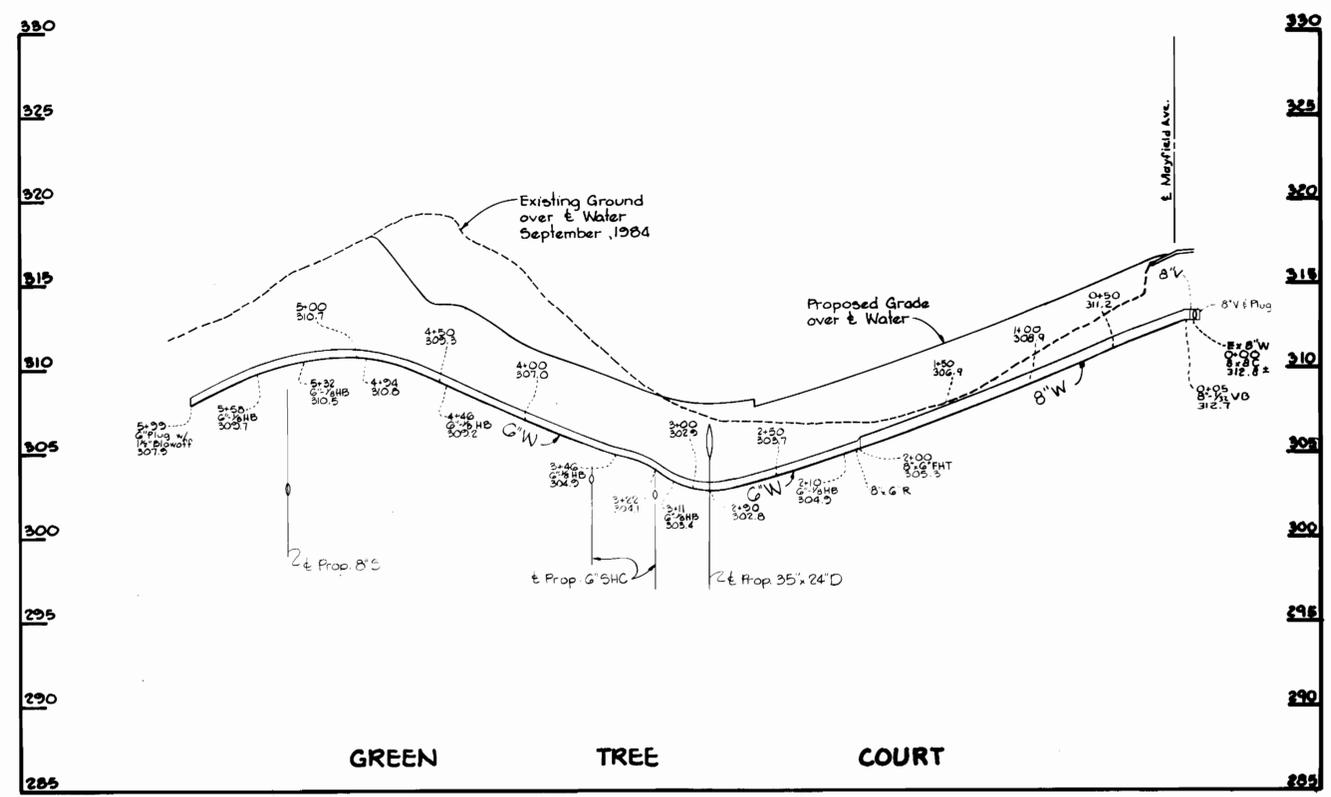
SCALE  
 AS  
 SHOWN

SHEET  
 1 OF 2



**SEWER HOUSE CONNECTION - INVERT ELEVATION AT PROPERTY LINE**

STATION	LOT	INVERT
<b>MH #2 TO MH #3</b>		
0+05 R	79/80	301.71
0+44 R	81/82	302.12
1+24 L	101/102	302.44
1+65 L	99/100	303.37
2+04 R	83/84	304.30
2+23 L	97/98	303.78
2+37 R	85/86	304.02
2+59 L	95/96	303.75
<b>MH #3 TO L-1</b>		
0+21	93/94	303.48
0+37	87/88	303.59
0+51	91/92	303.14
0+63	89/90	303.15
<b>MH #2 TO MH #4</b>		
0+30 L	77/78	303.10
0+40 R	103/104	303.40
0+72 L	75/76	303.90
0+81 R	105/106	304.63



**PROFILES** SCALE: H:1"=50' V:1"=5'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert M. Burns*  
DIRECTOR OF PUBLIC WORKS  
DATE: 5-9-85

*William H. ...*  
CHIEF, BUREAU OF ENGINEERING  
DATE: 5-6-85

*William H. ...*  
CHIEF, LAND DEVELOPMENT DIVISION  
DATE: 5-6-85

**TRACY, SCHULTE & ASSOCIATES INC.**  
planning architecture engineering  
8450 Baltimore National Pike Suite 34  
Ellicott City, Maryland 21043



DES: RJW			
DRN: KAM			
CHK: JKT			
DATE: 11-1-84	BY: N.O.	REVISION:	DATE:

**PROFILE OF WATER AND SEWER MAINS**

600' SCALE MAP NO. 37 BLOCK NO. 14

**THOMPSON'S PURCHASE SECTION 4, AREA I**  
ELECTION DISTRICT NO. 1  
CONTRACT NO. 14-1331-D

SCALE AS SHOWN  
SHEET 2 OF 2