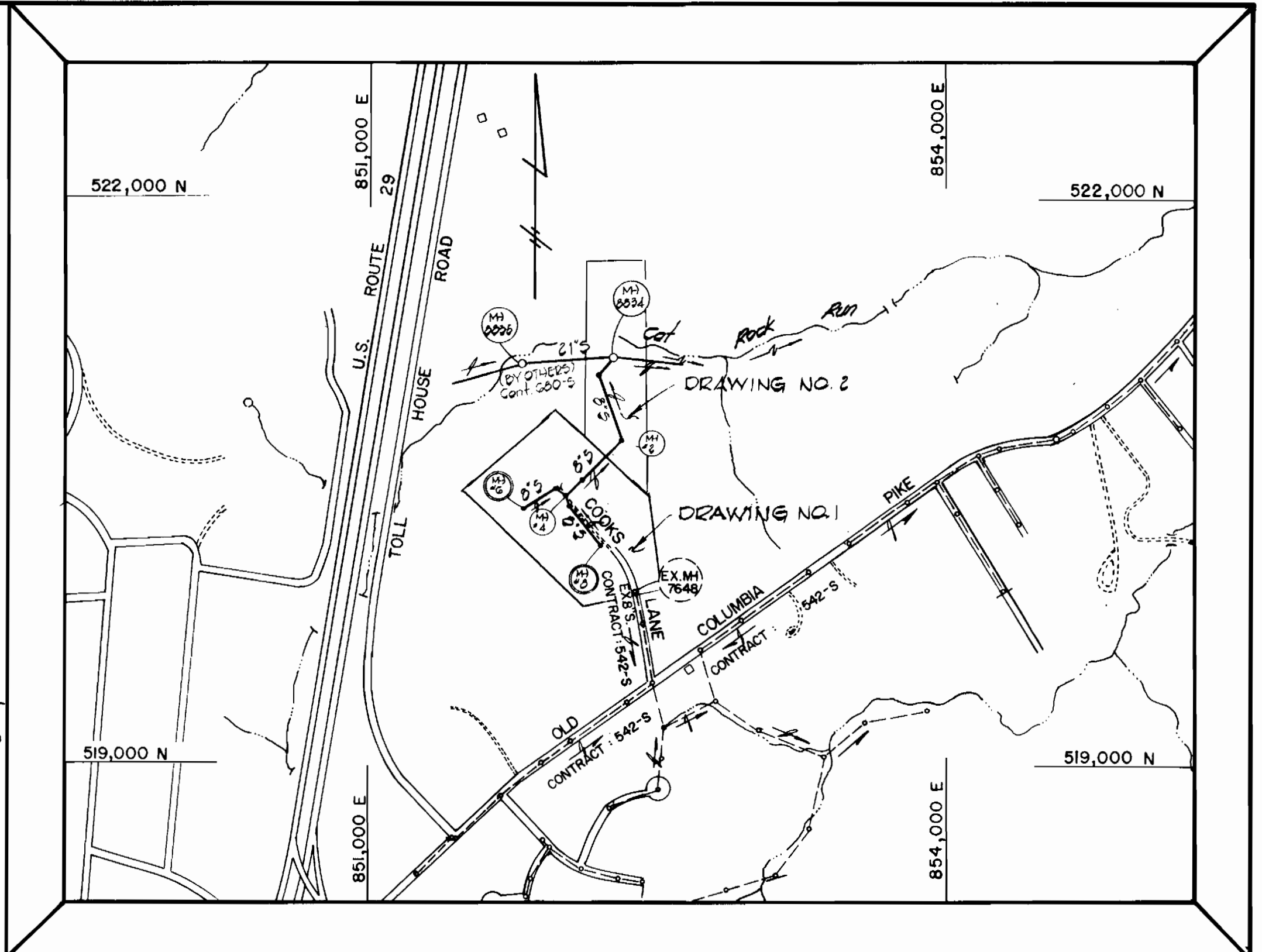


BENCH MARKS
 B.M. #1 405.24
 R.R. Spike Set in DG&E Pole # 501724
 = 18' Northeast of P.I. 'CL-2', Cooks Lane
 B.M. #2 388.23
 R.R. Spike Set in DG&E Pole # 114070
 = 190' Southwest of P.I. 'CL-4'



NUMBER OF LOTS - 6
 NUMBER OF SEWER HOUSE CONNECTIONS - 6
 DRAINAGE AREA - PATAPSCO RIVER
 SEWER CODE - FOR COUNTY USE ONLY - SEWER No. 1401000
VICINITY MAP
 SCALE: 1" = 600'

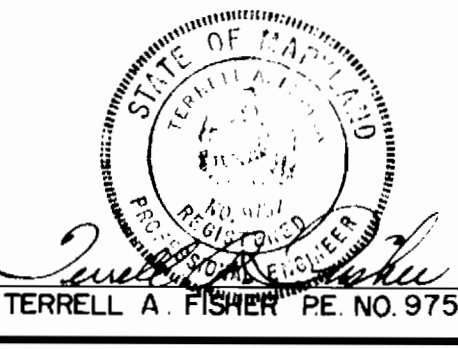
GENERAL NOTES

- 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 THE DRAWINGS 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 & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123
 BALTIMORE GAS & ELECTRIC COMPANY - 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
 AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION - 393-3553
 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 EXCAVATION AND BACKFILL.
- 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., V.C.P.X., A.C.P. CLASS 2400, PVC OR H.D.P.E., UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAIN 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.

QUANTITIES

| ITEM | EST'D | AS-BUILT | SUPPLIER |
|----------|---------|----------|----------|
| SEWER | 1022 LF | 1636 | CAPCO |
| SEWER | 60 LF | 71 | CAPCO |
| MANHOLES | 8 EA | 8 | |

STRAW BALE DIKE (SBD)
 I.P. INTERCEPTOR SWALE



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THESE SPECIFICATIONS. THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *William T. Brown* 6/22/82
 HOWARD SOIL CONSERVATION DISTRICT DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 APPROVED: *James M. Holman* 6/22/82
 U.S. SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 9/2/81
 DATE: 9/2/81
 DATE: 9/2/81

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

CONTRACT NO. 10-0958
 CAPITAL PROJECT S-1-6108

PLAN
 SEWER MAIN

COOKS LANE COLLECTOR
 SEWER MAIN EXTENSION
 ELECTION DISTRICT 2
 HOWARD COUNTY, MARYLAND

CONTRACT NO. 10-0958
 CAPITAL PROJECT. S-1-6108
 COOKS LANE COLLECTOR
 SEWER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND

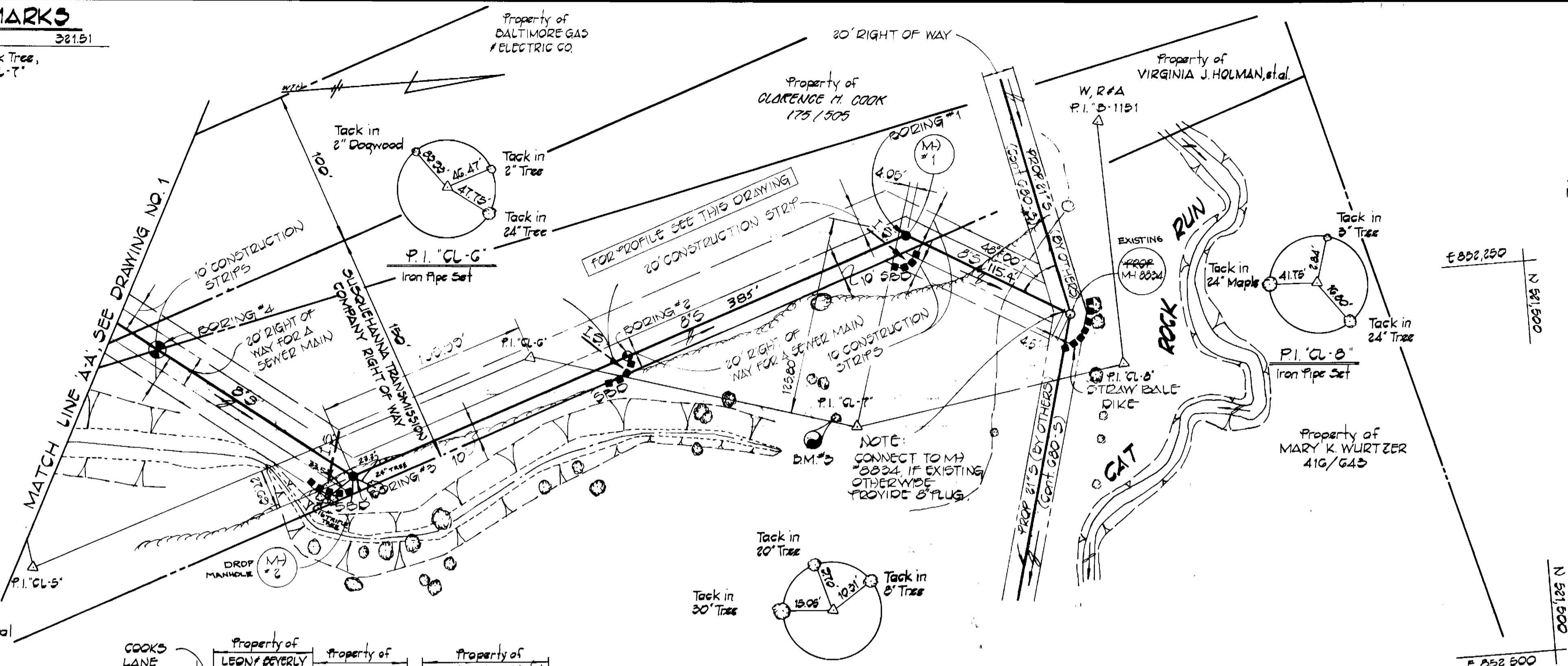
DRAWING NO. 1
 OF 2

SCALE AS SHOWN

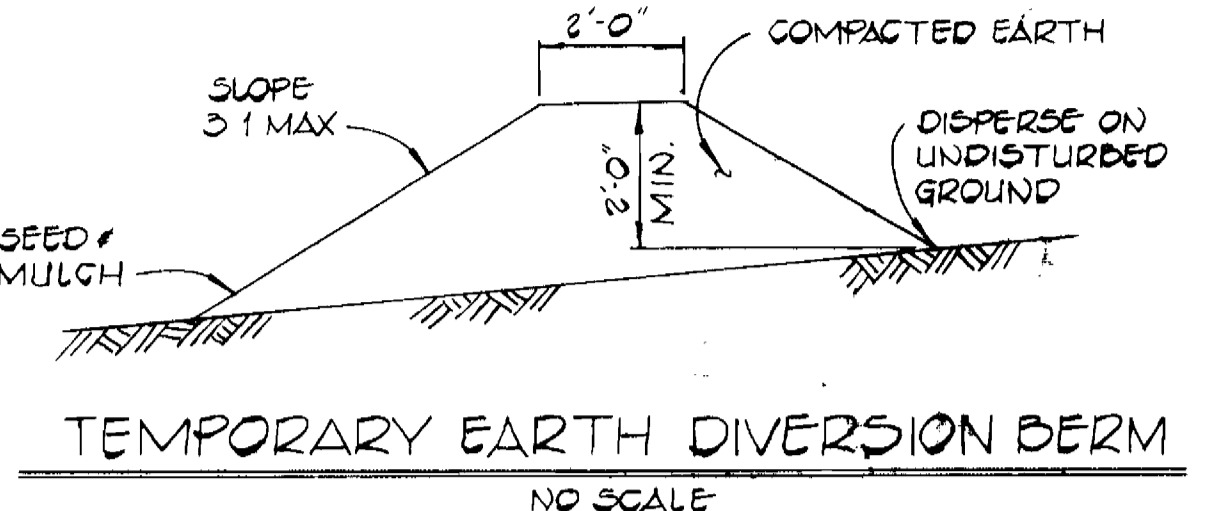
DES. T.A.F.
 DRN. D.B.S.
 CHK. T.A.F.

BENCH MARKS

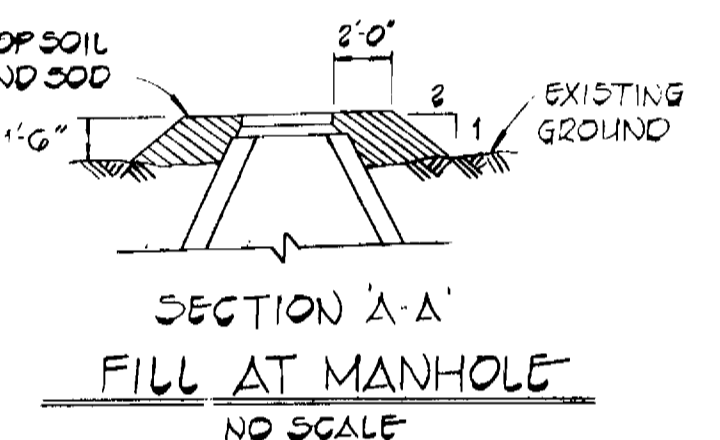
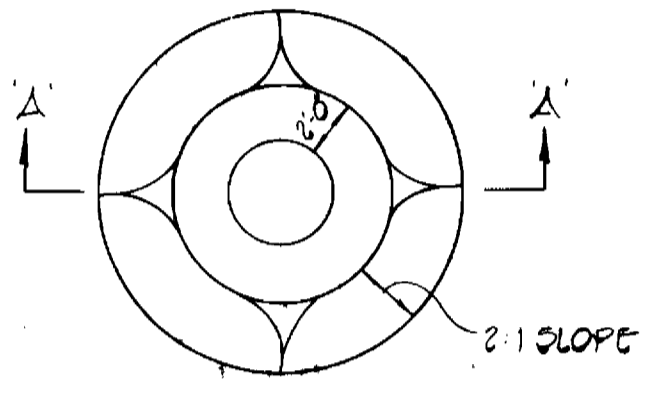
B.M. #3 381.51
 R.R. Spike Set in 56" Oak Tree,
 15' Southwest of P.I. 'CL-7'



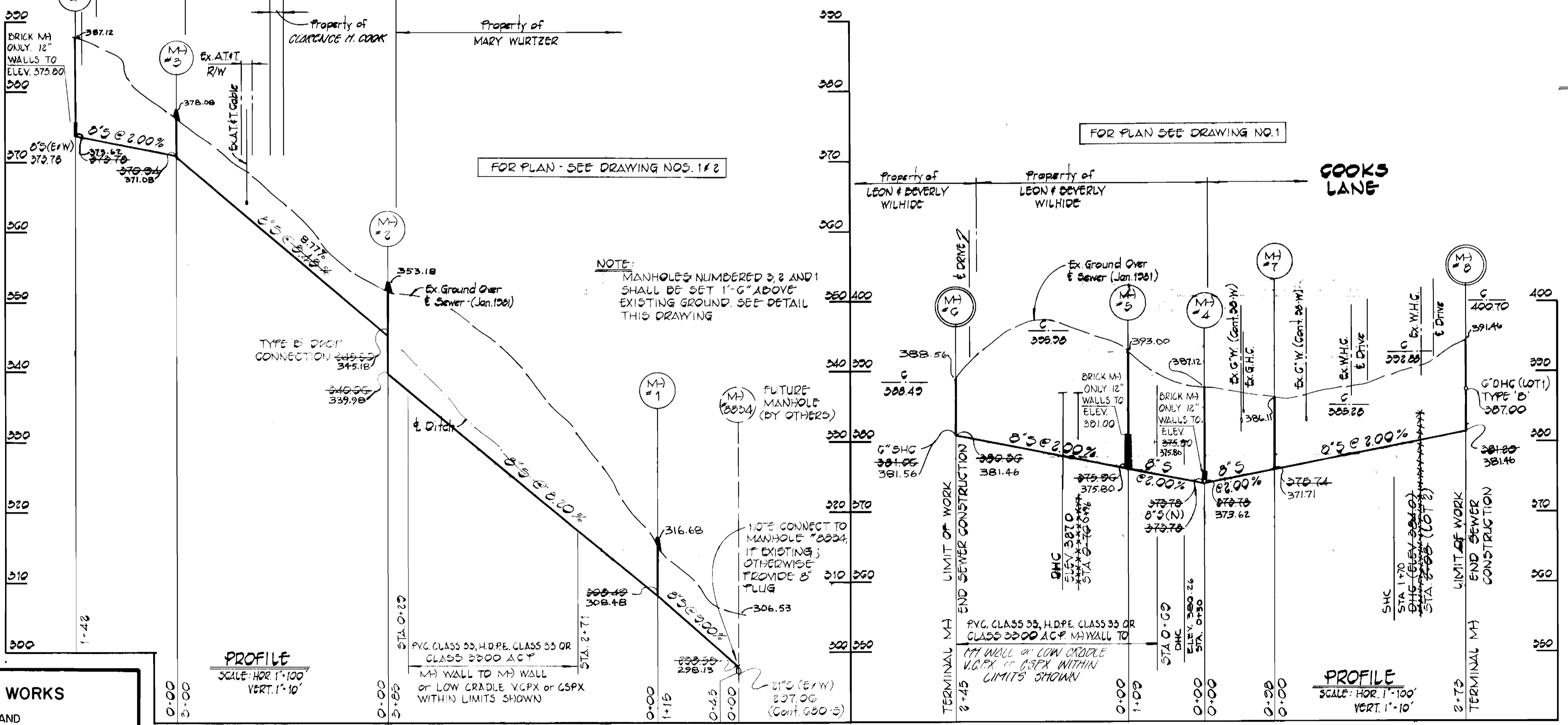
PLAN
 1"=50'



DIVERSION BERMS ARE REQUIRED EVERY 250 FEET ON CONTINUOUS SLOPES OF 4% OR GREATER. THE BERMS SHALL CONFORM TO THE TYPICAL SECTION SHOWN HEREON AND SHALL BE CONSTRUCTED ACROSS THE CONSTRUCTION AREAS IMMEDIATELY AFTER THE BACKFILLING OF THE PIPE TRENCH AND PRIOR TO PLACING STABILIZATION IN ORDER TO PREVENT EROSION OF THE BACKFILLED AREAS.



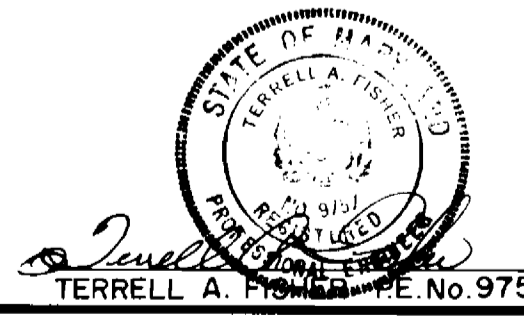
SECTION A-A'
 FILL AT MANHOLE
 NO SCALE



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

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

STRAW BALE DIKE
 INTERCEPTOR SWALE



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS: Robert M. Reinger
 CHIEF, BUREAU OF ENGINEERING: Allen S. Brown
 CHIEF, BUREAU OF UTILITIES: [Signature]
 CHIEF, UTILITY DIVISION: [Signature]

FISHER, COLLINS AND CARTER, INC.
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CONTRACT NO. **10-0958**
 CAPITAL PROJECT **S-1-6108**

PLAN, PROFILE & DETAILS
 SEWER MAIN

COOKS LANE COLLECTOR
SEWER MAIN EXTENSION
ELECTION DISTRICT 2
HOWARD COUNTY, MARYLAND

CONTRACT NO. 10-0958
 CAPITAL PROJECT S-1-6108
 COOKS LANE COLLECTOR
 SEWER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND

DRAWING NO. **2** OF **2**
 SCALE **AS SHOWN**

DES. T.A.F.
 DRN. D.B.S.
 CHK. T.A.F.