

STATE OF MARYLAND
 DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

James F. Nanning 6-24-81
 DIRECTOR OF PUBLIC WORKS DATE

Robert M. Beaman 6-24-81
 CHIEF, BUREAU OF UTILITIES DATE

Michael J. Fisher 6-24-81
 REGISTERED PROFESSIONAL ENGINEER DATE

Michael J. Fisher 6-24-81
 CHIEF, LAND DEVELOPMENT DIVISION DATE

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

CONTRACT NO. 20-0281-D

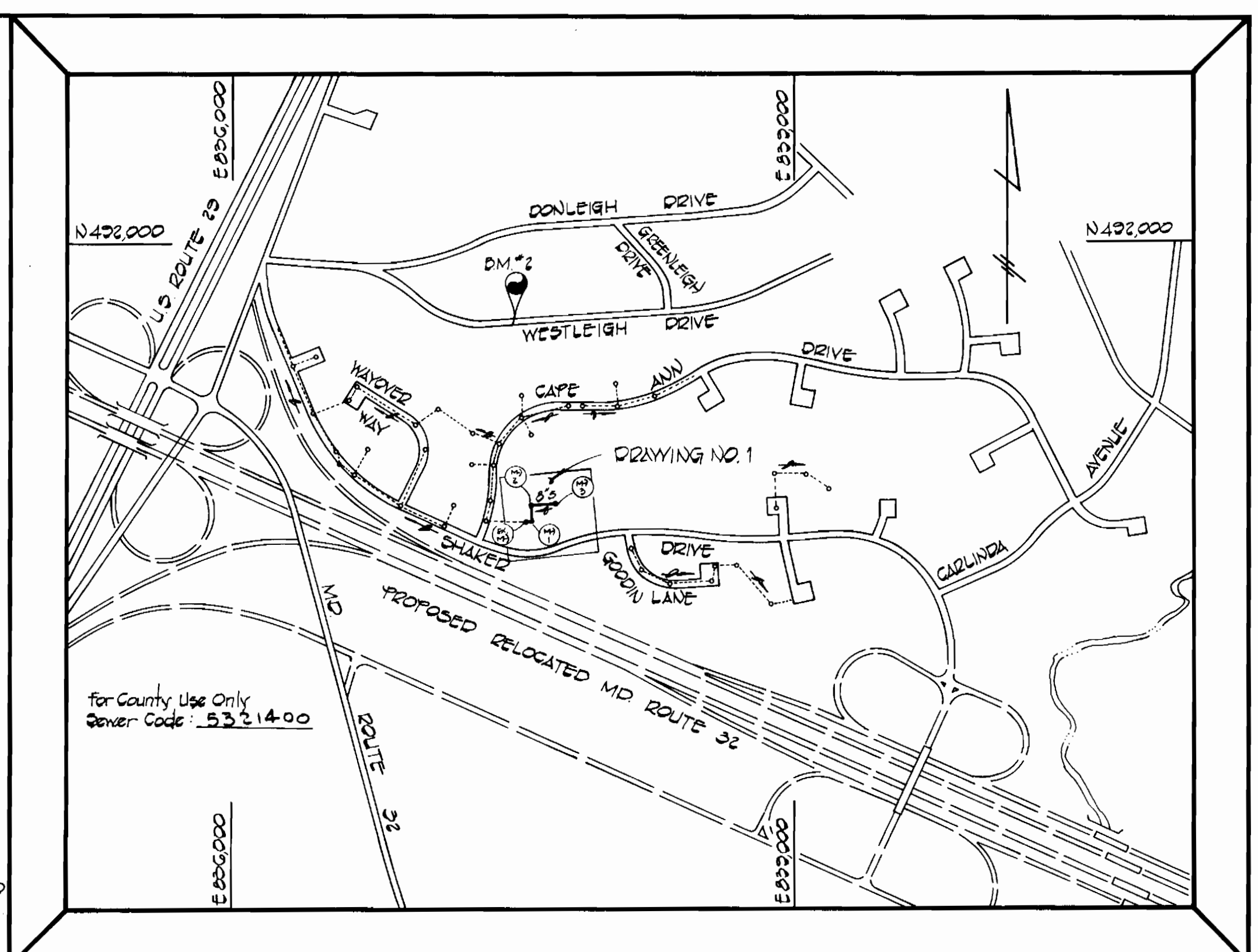
BENCH MARKS

D.M. #1 ELEV. 386.41
 IRON PIPE SET 60" SOUTHEAST CORNER OF LOT 31 AND OPEN SPACE LOT 301 (TRAVELER STATION CA-G)

D.M. #2 ELEV. 348.50
 RE SPIKE IN GROUND 270/35, 300' WEST OF GREENLEIGH DRIVE ON WESTLEIGH DRIVE (SEE VICINITY MAP)

TEMPORARY EARTH DIVERSION BERM
 NO SCALE

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.



VICINITY MAP
 SCALE: 1" = 600'

TYPE OF BUILDINGS: RESIDENTIAL DETACHED
 NUMBER OF LOTS: 4
 NUMBER OF WATER HOUSE CONNECTIONS: 4
 NUMBER OF SEWER HOUSE CONNECTIONS: 4
 DRAINAGE: LITTLE PATENT

- 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 ELEVATION.
 - 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 AND ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - (685-0123)
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 - ENGINEERING - "DAMAGE CONTROL" - (234-5621)
 - "MISS UTILITY" - (1-559-0100)
 - CHESAPEAKE & POTOMAC (C&P) 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 EXCAVATION & 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 WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
 - ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X. OR A.C.P. CLASS 2400 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.

| QUANTITIES | | | |
|------------|----------|----------|-----------------------|
| ITEM | EST'D | AS-BUILT | SUPPLIER |
| 8" SEWER | 202 L.F. | 257 L.F. | P.V.C. Johns Manville |
| 6" SEWER | 50 L.F. | 55 L.F. | P.V.C. Johns Manville |
| MANHOLE | 3 EA. | 3 EA. | Atlantic Precast |
| 3/4" WHC | 20 L.F. | 20 L.F. | "Ford" Flow |
| 1" WHC | 30 L.F. | 37 L.F. | "Ford" Flow |

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

James M. Halpern 6-23-81
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *Wm. T. Rowe* 6-23-81
 HOWARD SOIL CONSERVATION DISTRICT DATE

CONTRACT NO. 20-0281-D
 MACGILLS COMMON
 SECTION I
 WATER & SEWER EXTENSION