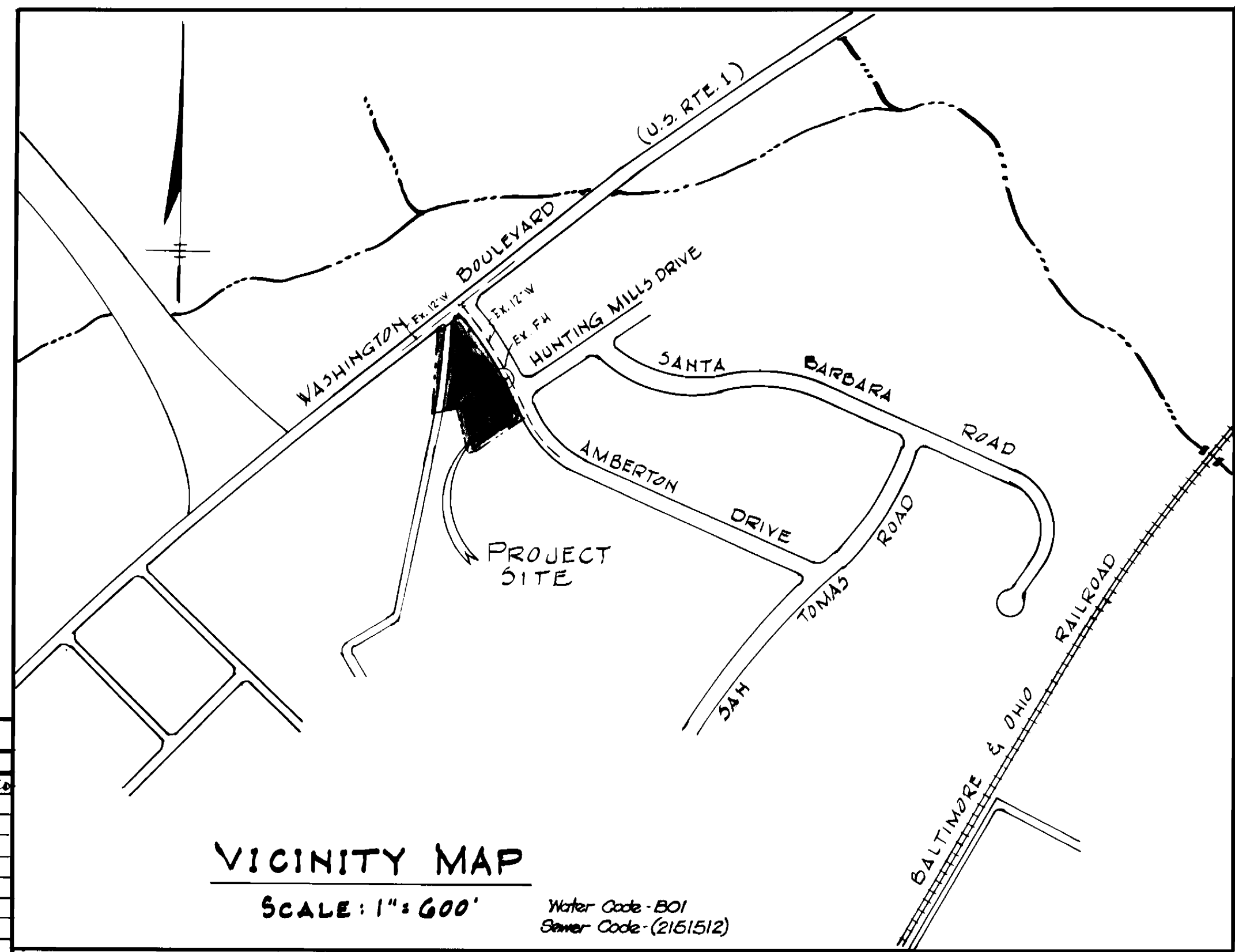


QUANTITIES			
ITEM	ESTIMATED	AS BUILT	MATERIAL/SUPPLIER
10" S. W. WATER MAIN	1.00	1EA	BELAIR ROAD SUPPLY CO.
8" S. W. WATER MAIN	1.00	1EA	BELAIR ROAD SUPPLY CO.
8" VALVE & VALVE BOX	1.00	1EA	BELAIR ROAD SUPPLY CO.
8" G. REDUCER	1.00	1EA	BELAIR ROAD SUPPLY CO.
6" VALVE & VALVE BOX	1.00	1EA	BELAIR ROAD SUPPLY CO.
STD G. FH	1.00	1EA	BELAIR ROAD SUPPLY CO.
G.O.P.	143 LF	143 LF	CLASS 52 / BELAIR
G.O.P.	18 LF	18 LF	CLASS 52 / BELAIR
G. Sewer	5 LF	5 LF	BELAIR SUPPLY



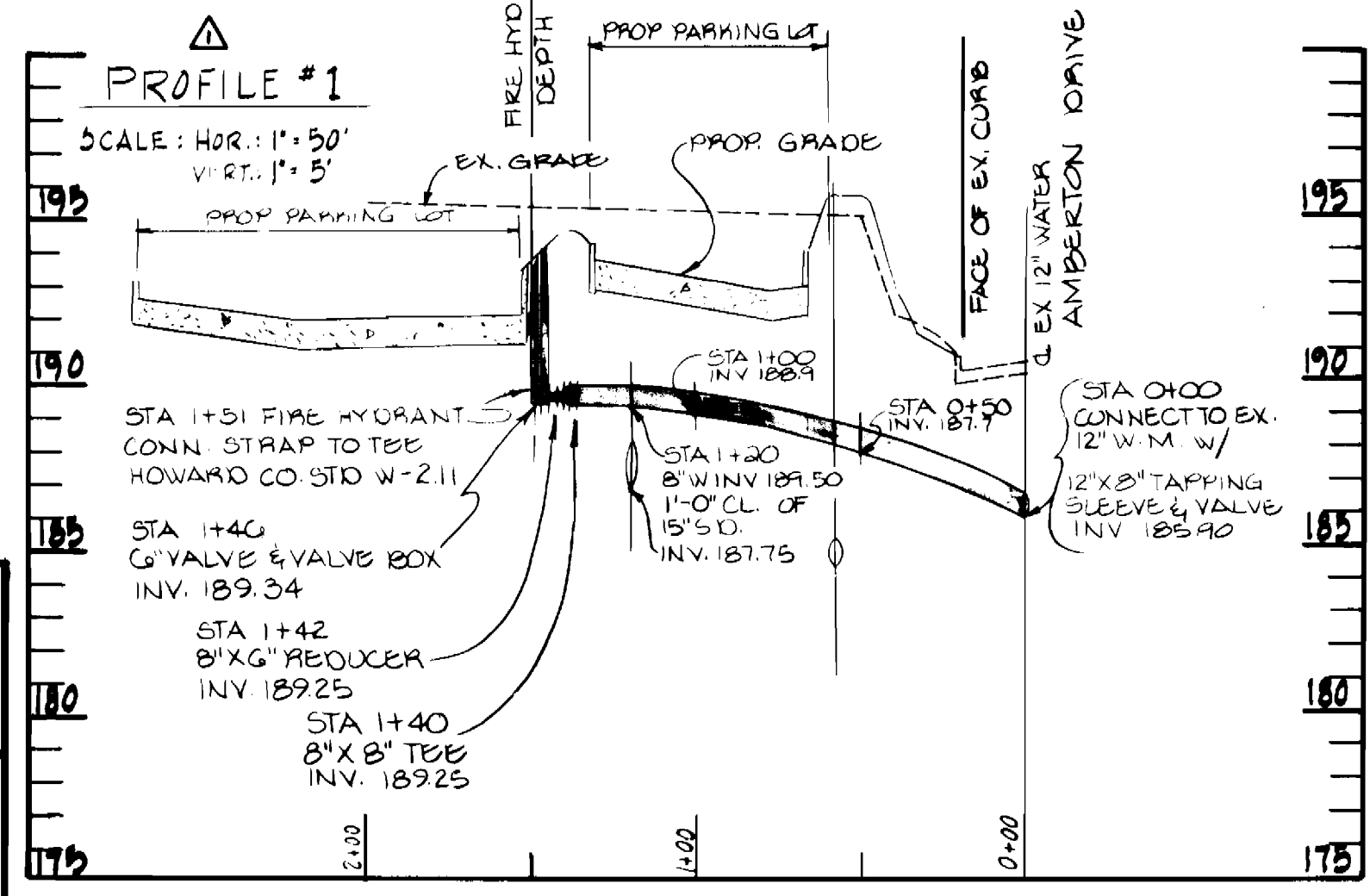
VICINITY MAP
 SCALE: 1" = 600'
 Water Code: B01
 Sewer Code: (2151512)

TYPE OF BUILDING = OFFICE & WAREHOUSE
 NUMBER OF LOTS = 1
 NUMBER OF WATER H.C. = 1
 NUMBER OF SEWER H.C. = 1
 DRAINAGE AREA = DEEP RUN

PLAN
 SCALE: 1" = 50'

GENERAL NOTES

- PART I:**
- 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 CONTRACTORS 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 CONTRACTORS 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 UTILITY 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. II, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOL. II ON THE JOB.
 - WHERE TEST FITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL (S) AT THE LOCATION OF THE TEST FIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST FIT OR FITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST FITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR 2 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.
 - BALTO. GAS & ELECTRIC CO., CONTRACTOR SERVICES 561-2585
 BALTO. GAS & ELECTRIC CO., UNDERGROUND DAMAGE CONTROL 234-5621
 BALTO. GAS & ELECTRIC CO., TROUBLE SHOOTING 298-9013
 MISS UTILITY 1-559-0100
 COLONIAL PIPELINE CO. 795-1390
 BUREAU OF UTILITIES, HOWARD CO. DEPT. 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.
- PART II: WATER**
- ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 4' COVER UNLESS OTHERWISE NOTED.
 - VALVES ADJACENT TO TREES SHALL BE STRAPPED TO TREES.
 - 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 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 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - ALL WATER HOUSE CONNECTIONS SHALL BE INSIDE METER SETTINGS UNLESS OTHERWISE NOTED.
- PART III: SEWER**
- 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 A 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 18" WALLS ARE BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN THE PLAN & PROFILE SHALL HAVE WATERTIGHT FRAME & COVERS, STANDARD DETAIL G-552. WHERE WATERTIGHT MANHOLE FRAME & 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 CELLAR CANNOT BE SERVED.



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS & S.O.P. 85-111.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 SIGNATURE: *[Signature]* DATE: 11/1/85
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *[Signature]* DATE: 11/1/85
 HOWARD SOIL CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

11-12-85
 DIRECTOR OF PUBLIC WORKS DATE

11-12-85
 CHIEF, BUREAU OF ENGINEERING DATE

11-12-85
 CHIEF, LAND DEVELOPMENT DIVISION DATE

GEORGE WILLIAM STEPHENS, JR.
 AND ASSOCIATES, INC.
 ENGINEERS

303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21204
 301-825-8120

DES: <i>[Signature]</i>	DL	REVISION	DATE
ORN: <i>[Signature]</i>			
CHK: <i>[Signature]</i>			
DATE: 9/2/85	BY NO.	REVISION	DATE

PLAN AND PROFILE
 FOR
PROPOSED WATER MAIN
 CONTRACT NO. 14-1405-D

PROPOSED OFFICE & WAREHOUSE LOT NO. 28
 ROUTE 100 BUSINESS PARK
 BLOCK "B" PARCEL "F"
 HOWARD COUNTY, MARYLAND TAX MAP 57
 ELECTION DISTRICT #1
 DATE: MAY, 1985