

CONTRACT NO.
44-1157-D

Waste Water Disposal: Savage
Drainage Area: Middle Potomac
Type of Buildings:
No. of SHC:
No. of WHC:
No. of Lots:
WATER & SEWER CODE
County Use:
Water: I-15
Bever: —

ITEM	QUANTITIES		
	BID	AS-BUILT	MATERIAL/SUPPLIER
8" Water LF	890	880	U.S. PIPE
8" Valves NO.	2	2	SMITH METRO
6" Water LF	20	14	U.S. PIPE
Fire Hydrants Ea.	1	1	SMITH METRO

- 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 CONSTRUCTION OF THE MAIN.
 - FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
 - FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATION.
 - 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:
STATE HIGHWAY ADMINISTRATION - 531-5533
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.
COLONIAL PIPELINE COMPANY - 781-4641.
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 WATER MAINS SHALL BE D.I.P. UNLESS OTHERWISE NOTED.
 - TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
 - 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 BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 37.01 AND 37.05 OF 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.
 - ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR PVC 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 FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL S.1.45.
 - ALL MANHOLE FRAME AND COVERS SHALL BE SET 0.5' ABOVE EXISTING GRADE WHERE SHOWN IN PROFILE. SEE DETAIL G 5.41.
 - ORIGINAL GROUND OVER WATER WAS TAKEN FROM AERIAL PHOTOGRAPHY PREPARED BY MAPS AND INC., AND VERIFIED BY FIELD SURVEY IN AUG., 1981.

CONTRACT NO. 44-1157-D
VILLAGE OF HICKORY RIDGE
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

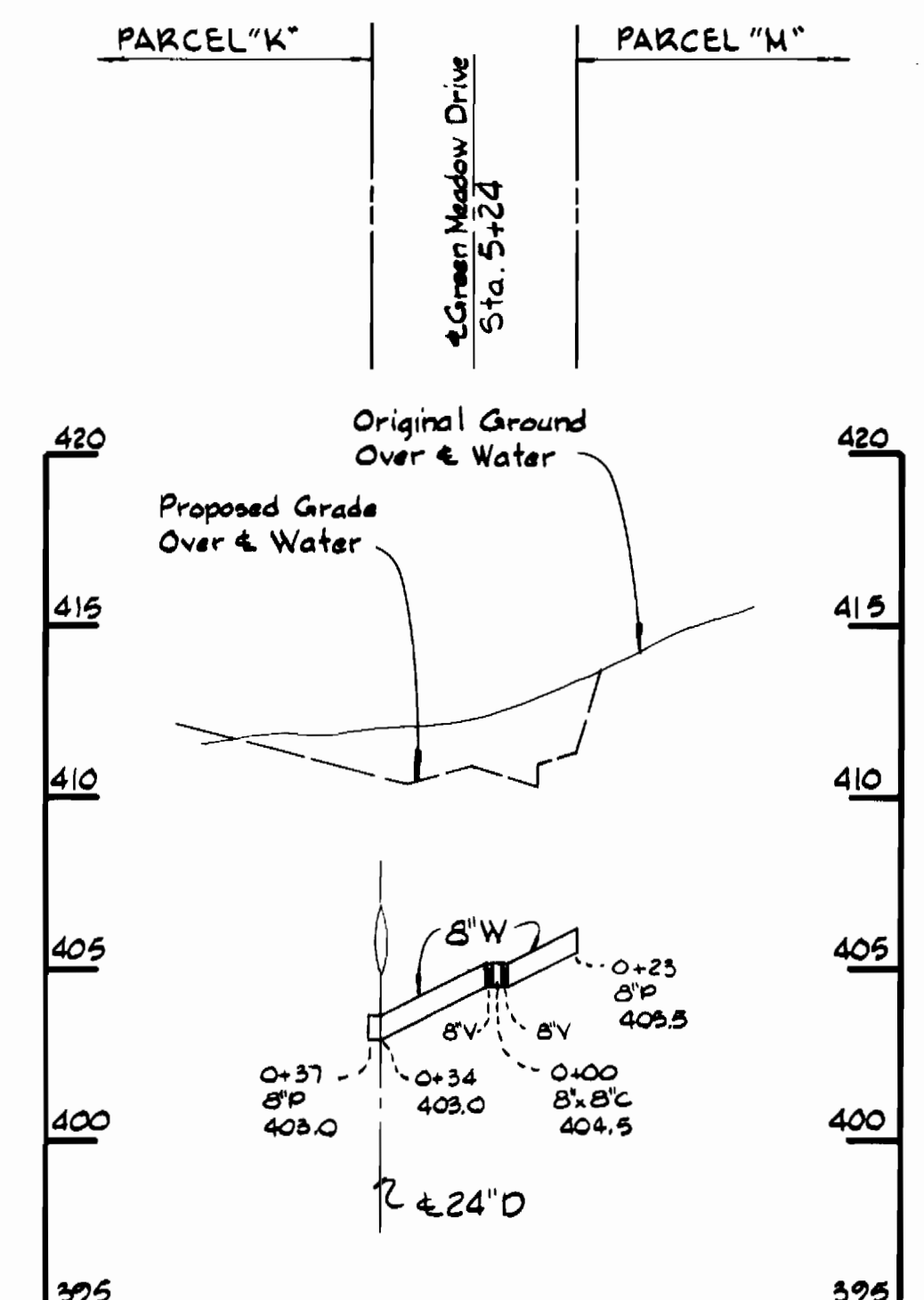
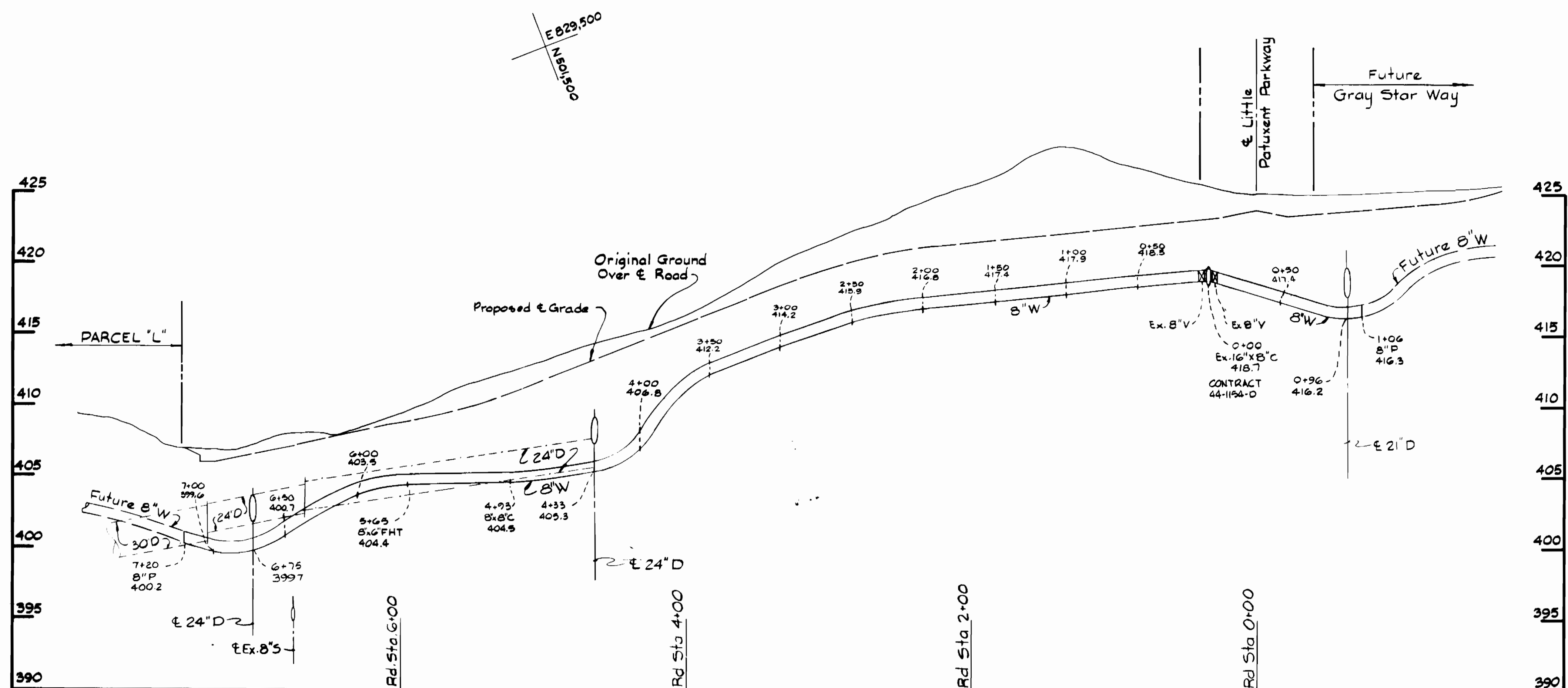
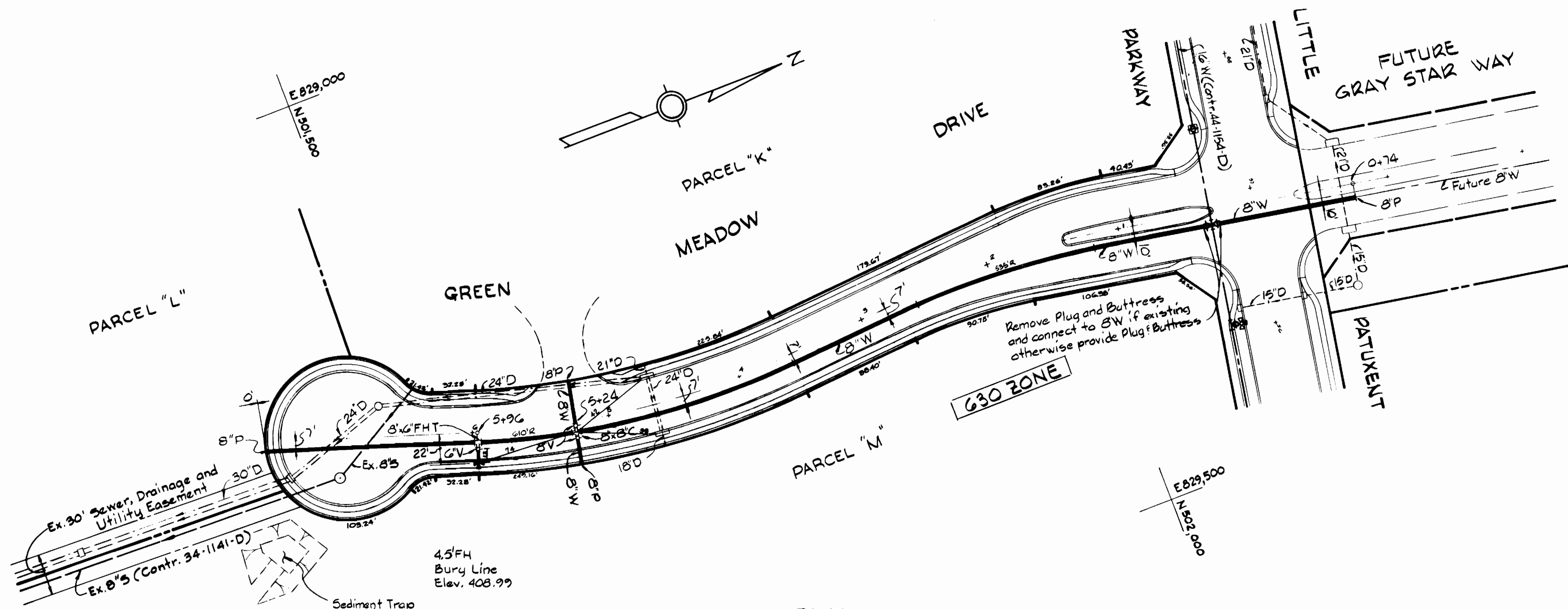
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
James M. Halpern 10-11-83 DATE
SIGNATURE
U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard County Conservation District.
APPROVED
David Rowe 10-11-83 DATE
HOWARD S.C.D.

Sediment Control Measures for this Contract will be implemented in accordance with Article 15 of the Standard Specifications, and Road Construction Plans F-84-37.

Phase II Part 2
Water Main Extensions
Parcels K, L, M

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>John E. Nunnally</i> 10-19-83 DIRECTOR OF PUBLIC WORKS - DATE <i>Robert M. Reisinger</i> 10-19-83 CHIEF - BUREAU OF UTILITIES - DATE	WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL ST. BALTIMORE, MARYLAND <i>Whitman Requardt</i> 10-12-83 CHIEF - BUREAU OF ENGINEERING - DATE <i>William J. Finner</i> 10-12-83 CHIEF - LAND DEVELOPMENT DIVISION - DATE		DES. S.J. DRN. J.R.K. CHK. R.B.N. DATE 10/10/83	VICINITY MAP AND GENERAL NOTES	COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 4 ELECTION DISTRICT NO. 5 CONTRACT NO. 44-1157-D	SCALE 1"=600' SHEET 1 OF 2
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55/301-830
55/302-830

Phase II Part 2
Water Main Extensions
Parcels K, L, M

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Don F. Newman 10-14-83
DIRECTOR OF PUBLIC WORKS - DATE

Robert M. Beirne 10-14-83
CHIEF - BUREAU OF UTILITIES - DATE

William E. Ryan 9.8.83
CHIEF - BUREAU OF ENGINEERING - DATE

William E. Ryan 9.8.83
CHIEF - LAND DEVELOPMENT DIVISION - DATE

WHITMAN, REQUARDT
AND ASSOCIATES
ENGINEERS

2315 ST. PAUL ST.
BALTIMORE, MARYLAND

REGISTERED PROFESSIONAL ENGINEER & SURVEYOR

DES: S.J.	BY NO.	REVISION	DATE
DRN: J.R.K.			
CHK: R.B.N.			
DATE: 10/6/83			

PLAN & PROFILE OF
WATER MAINS

60' SCALE MAP NO. 35 BLOCK NO.

COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 4
ELECTION DISTRICT NO. 5
CONTRACT NO. 44-1157-D

SCALE AS SHOWN
SHEET 2 OF 2