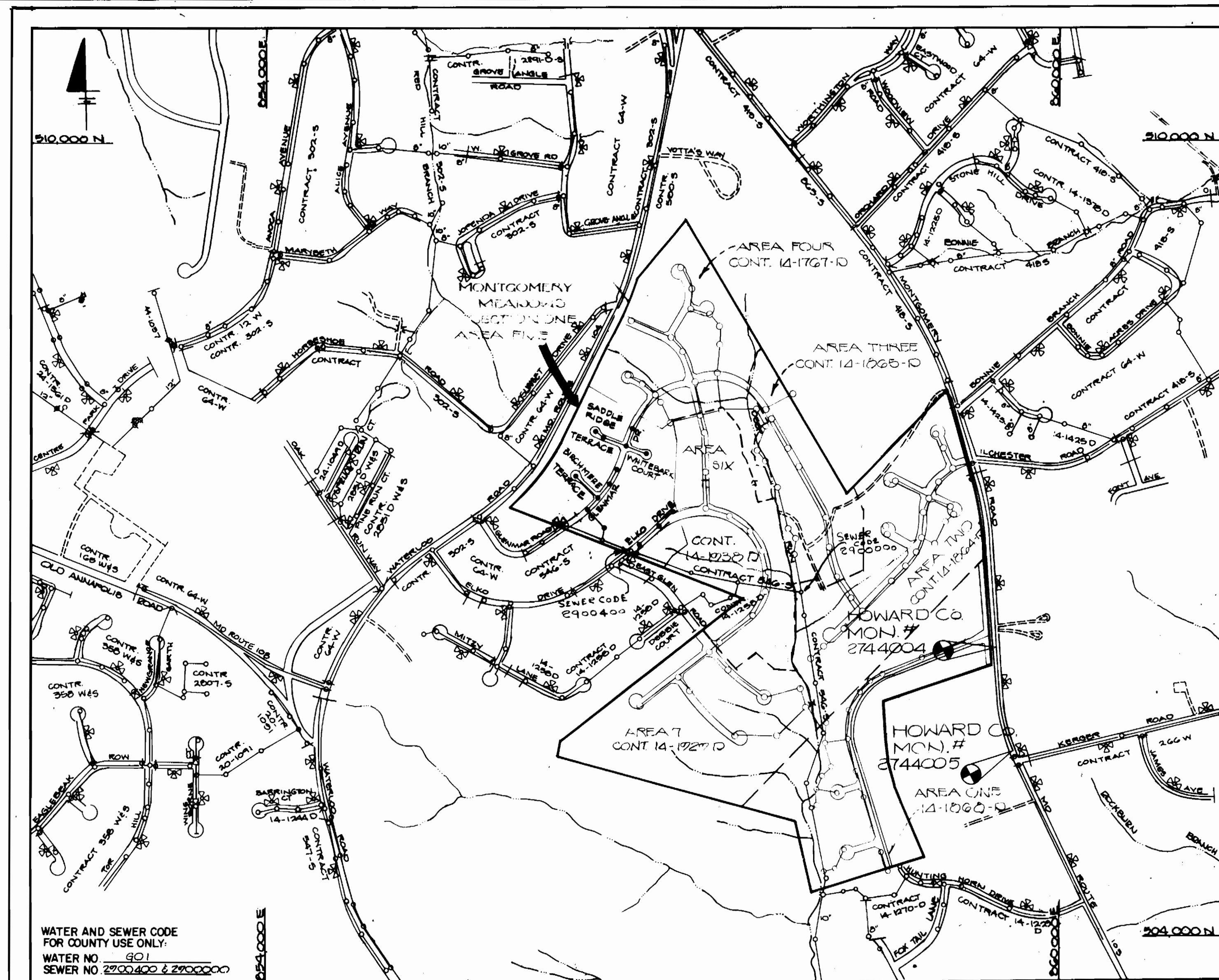


| QUANTITIES | | | |
|----------------------------|---------|----------|--------------------|
| ITEM | EST'D | AS BUILT | SUPPLIER |
| 8" WATER | 1754 LF | 1704 LF | ARIEFFEN PIPE |
| 6" WATER | 714 LF | 756 LF | ARIEFFEN PIPE |
| 3/4" W.H.C. | 132 LF | 471 LF | AMERICAN PIPE |
| 1" W.H.C. | 550 LF | 651 LF | AMERICAN PIPE |
| FIRE HYDRANTS | 3 | 3 EA | VENNETY |
| 8" SEWER | 1255 LF | 1231 LF | E.T.I. |
| 8" SEWER (D.I.P.) | 0 | 0 | |
| MANHOLES | 15 | 15 | ATLANTIC PIPE CAST |
| 4" S.H.C. | 1585 LF | 713 | E.T.I. |
| 8" VALVES | 2 | 2 | VENNETY |
| 6" VALVES (EXCLUDING F.H.) | 3 | 3 | VENNETY |
| 6" F.H. VALVES | 3 | 3 | VENNETY |

BENCH MARKS

HOWARD CO # 2744004 ELEV. 415.967
 3/4" REBAR 0.8' BELOW SURFACE, 7'± (W)
 OF ROUTE 103 & 1400±(S) OF INTER. WITH
 ILCHESTER ROAD.

HOWARD CO # 2744005 ELEV. 419.625
 3/4" REBAR 0.6' BELOW SURFACE, 10'± (W)
 EDGE OF ROUTE 103 & 60± (N) OF KERRER
 ROUTE



| | |
|-------------------------------|-----------------------|
| TYPE OF BUILDING | SINGLE FAMILY - RES-D |
| NUMBER OF LOTS | 53 |
| NO OF WATER HOUSE CONNECTIONS | 53 |
| NO OF SEWER HOUSE CONNECTIONS | 53 |
| DRAINAGE AREA | 2.2E6 SQ. FT. CREEK |

LOCATION 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 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 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.
 STATE HIGHWAY ADMINISTRATION 531-5533
 BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE 685-0123
 BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE 685-0123
 ENGINEERING - "DAMAGE CONTROL" 234-5611
 "MISS UTILITY" 1-559-0100
 CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY 725-9976
 AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION 393-3533
 COLONIAL PIPELINE COMPANY 795-1390
 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.
- ALL WATER MAINS TO BE DUCTILE IRON CLASS 52 ONLY.
- TOP OF ALL WATER MAINS TO 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.
- BURYLENE ELEVATIONS ON ALL 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 1000.03.19 OF THE STANDARD SPECIFICATIONS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR 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' OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- 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.5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE, STANDARD DETAIL G.5.41.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CAN NOT BE SERVED.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATION, C-155 DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH WATER AND OTHER LIQUIDS.

CONTRACT NO. 14-1866-D

MONTGOMERY MEADOWS

SECTION ONE - AREA FIVE

WATER AND SEWER MAIN EXTENSIONS

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN F-88-287

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

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Helm 7/3/87
 U.S. SOIL CONSERVATION SERVICE DATE

APPROVED:
Stephen A. ... 7/3/87
 HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

James M. Helm 8/25/89
 DIRECTOR OF PUBLIC WORKS DATE

Michael A. ... 8/24/89
 CHIEF, BUREAU OF UTILITIES DATE

William ... 8/24/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

DEWBERRY & DAVIS
 ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS

3300 N. RIDGE ROAD
 SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-7478



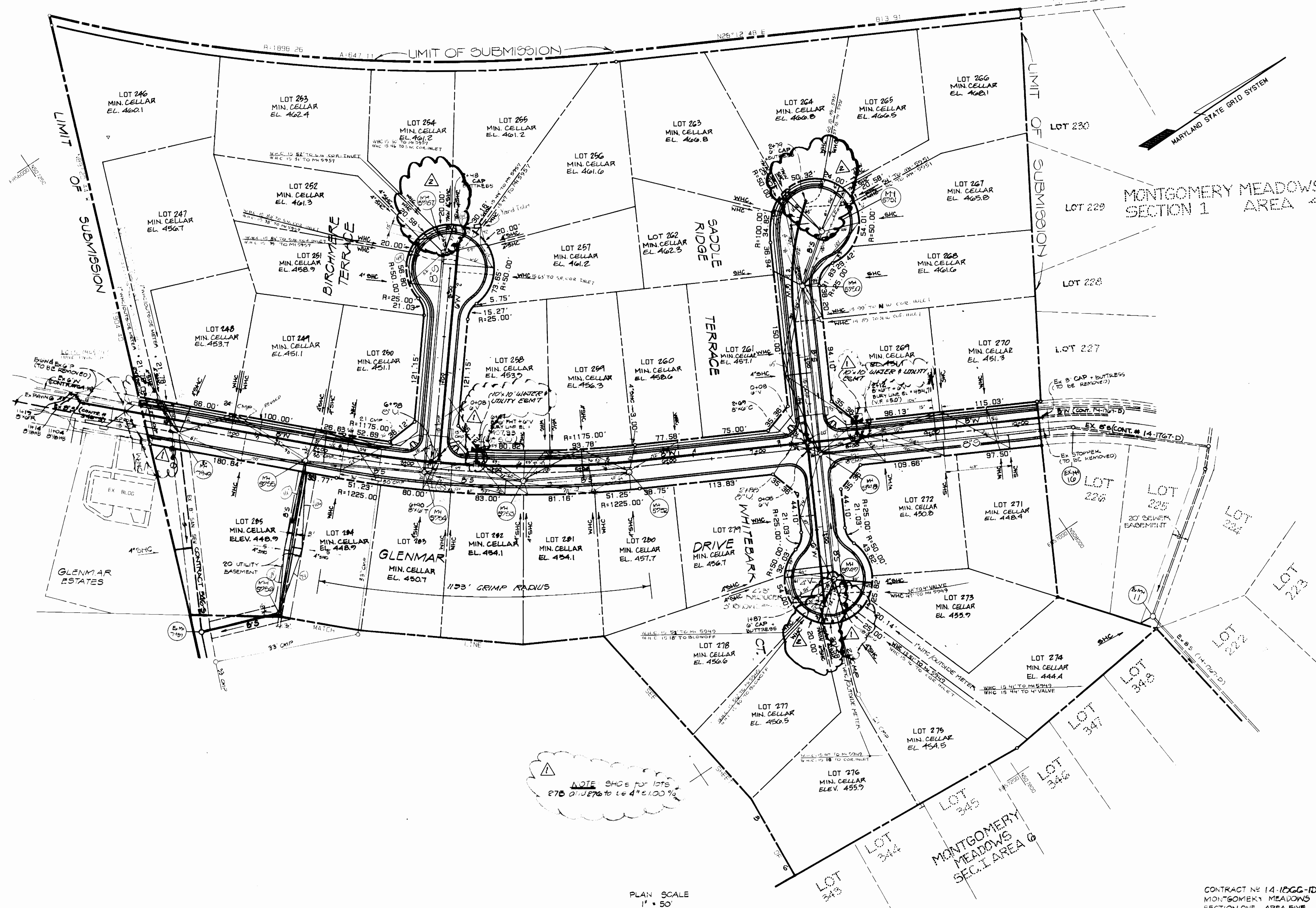
| | | | |
|----------------|--------|---|----------|
| DES: GPM | NEO | REVISION AS PER HOWARD COUNTY COMMENTS 10/10/89 | 10/10/89 |
| DRN: GPM | WED | REVISED AS PER RECORDING COMMENTS 7/12/90 | 7/12/90 |
| CHK: | | | |
| DATE: APR 1988 | BY NO. | REVISION | DATE |

TITLE SHEET

600' SCALE MAP NO. 21 BLOCK NO. 14

MONTGOMERY MEADOWS
 SECTION ONE - AREA FIVE
 CONTRACT NO. 14-1866-D
 1st ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 6



NOTE: S.H.C.s for lots 275 & 276 are to be 4" @ 1.00%

PLAN SCALE
1" = 50'

CONTRACT NO. 14-1066-1D
MONTGOMERY MEADOWS
SECTION ONE - AREA FIVE
WATER & SEWER EXTENSIONS

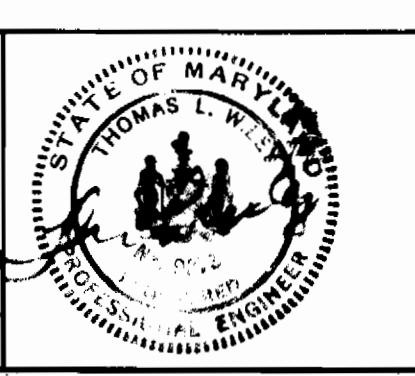
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James P. ... 8/25/89
DIRECTOR OF PUBLIC WORKS DATE

Michael D. ... 8/26/89
CHIEF, BUREAU OF UTILITIES DATE

DEWBERRY & DAVIS
ARCHITECTS - ENGINEERS - PLANNERS - SURVEYORS

3300 N. RIDGE ROAD
SUITE 100
ELLICOTT CITY, MD 21043
(301) 461-7478



| | | | |
|------------------|--------|---|----------|
| DES: GPM | WEQ | AS PER HOWARD COUNTY COMMENTS 10/10/85 | 11/17/85 |
| DRN: GPM | WEQ | AS PER REDLINE COMMENTS 12/28/85 | 1/18/86 |
| CHK: | | REVISED S.H.C. FOR LOTS 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277 TO TRIM S.H.C. | 10/18/85 |
| DATE: APRIL 1989 | BY NO. | REVISION | DATE |

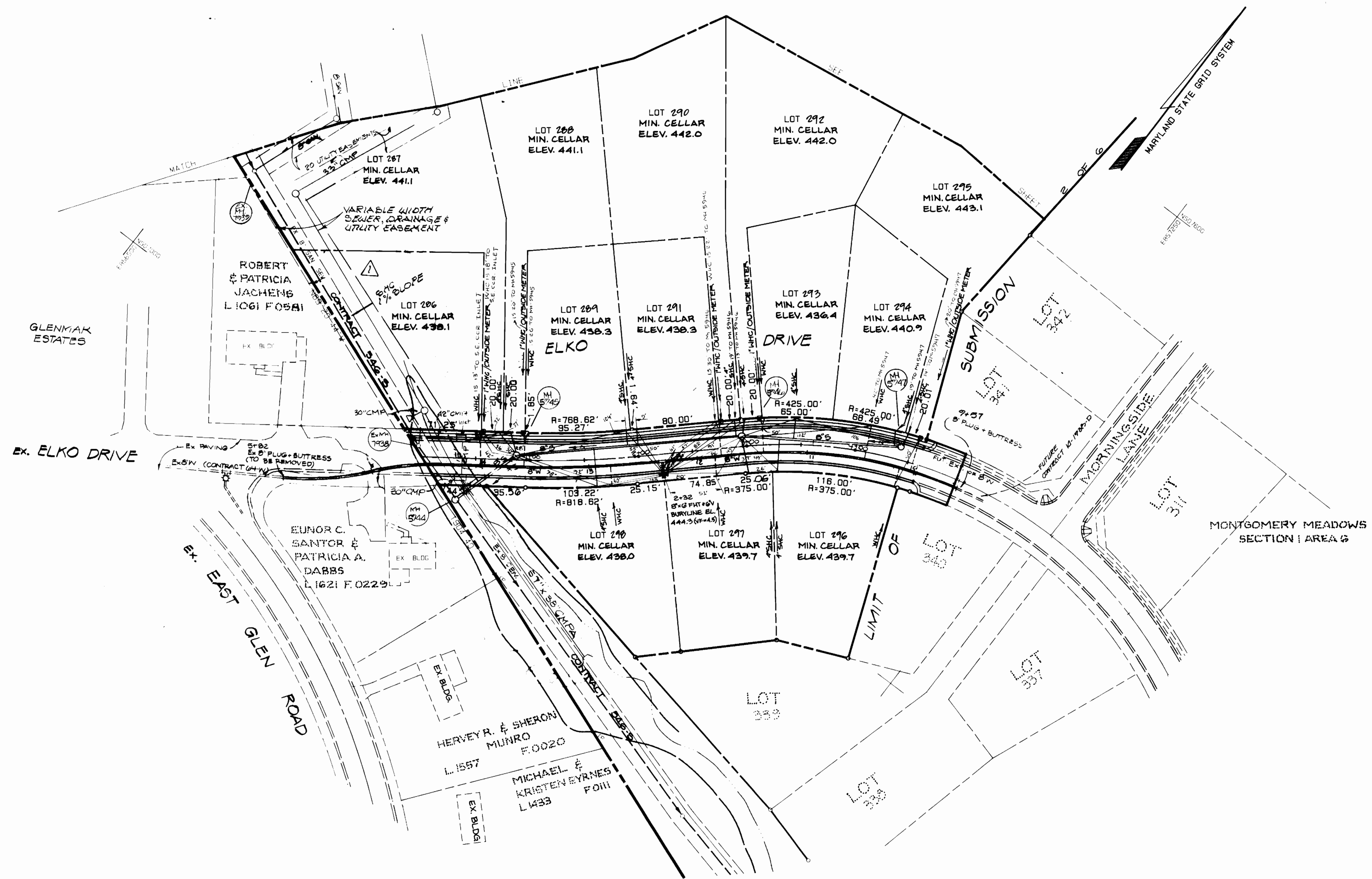
PLAN
WATER & SEWER MAINS

600' SCALE MAP NO. 21 BLOCK NO. 14

MONTGOMERY MEADOWS
SECTION ONE AREA FIVE
CONTRACT 14-1066-1D
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 4

AS-BUILT 1-8-92 F-20-87 W5006C



PLAN SCALE
1" = 50'

CONTRACT NO. 1A-1066-1D
MONTGOMERY MEADOWS
SECTION ONE - AREA FIVE
WATER AND SEWER EXTENSIONS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. ...
DIRECTOR OF PUBLIC WORKS
DATE: 8/25/89

Richard A. ...
CHIEF, BUREAU OF UTILITIES
DATE: 7-18-89

Richard A. ...
CHIEF, BUREAU OF ENGINEERING
DATE: 8-25-89

Richard A. ...
CHIEF, LAND DEVELOPMENT DIV.
DATE: 8/25/89

DEWBERRY & DAVIS
ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS

3300 N. RIDGE ROAD
SUITE 100
ELLCOTT CITY, MD. 21043
(301) 461-7478

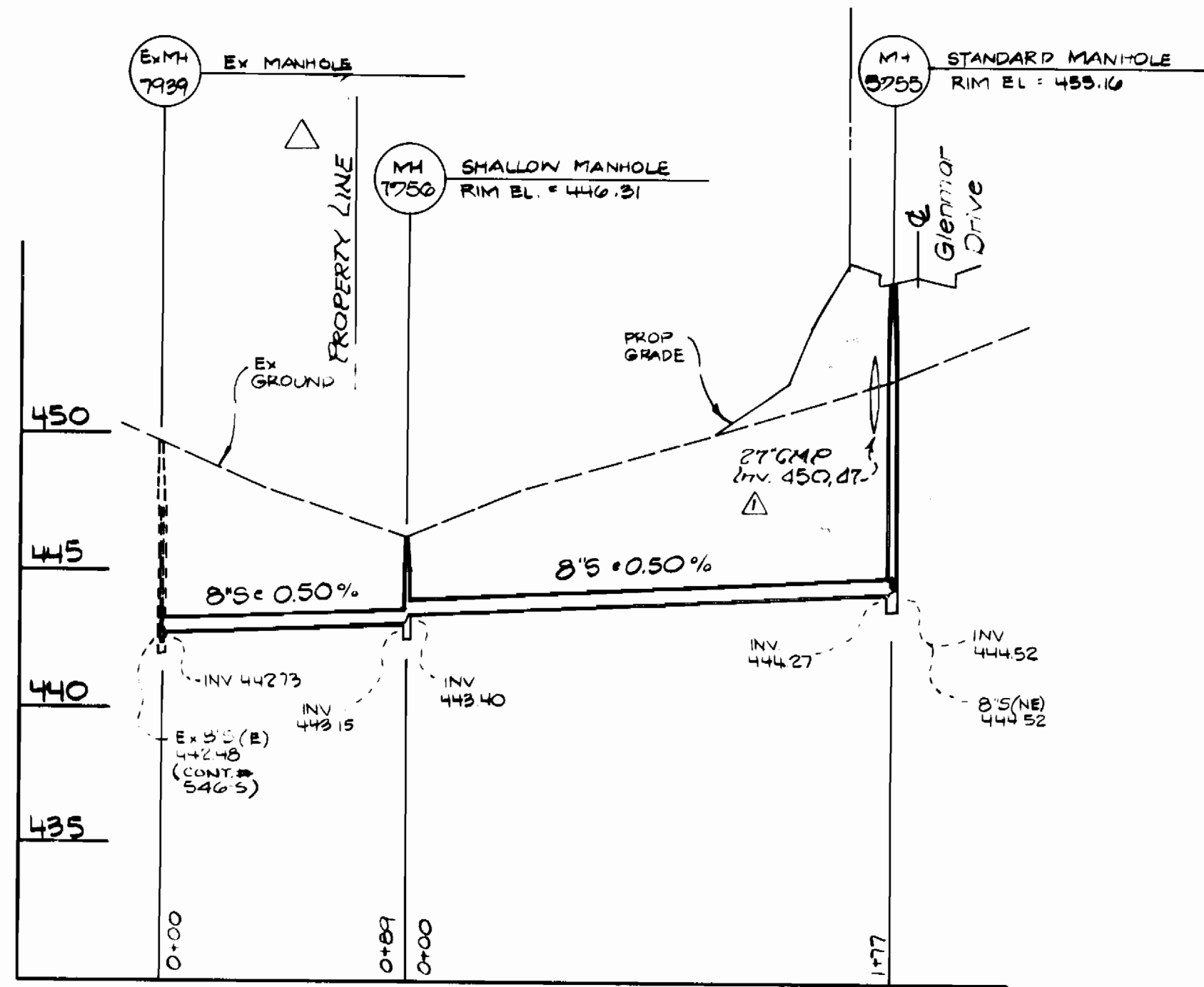


| | | | | |
|----------------|--------|--|----------|------------------------------------|
| DES: GPK | WEG | REVISION AS PER HOWARD COUNTY COMMENTS | 10/18/88 | 4/19/89 |
| DRN: GPK | WED | REVISION AS PER BEDDING COMMENTS | 1/10/90 | 1/13/90 |
| CHK: | WED | REARRANGEMENT OF STORM DRAIN EASEMENT | 1/28/89 | |
| DATE: APR 1988 | BY NO. | REVISION | DATE | 600' SCALE MAP NO. 31 BLOCK NO. 14 |

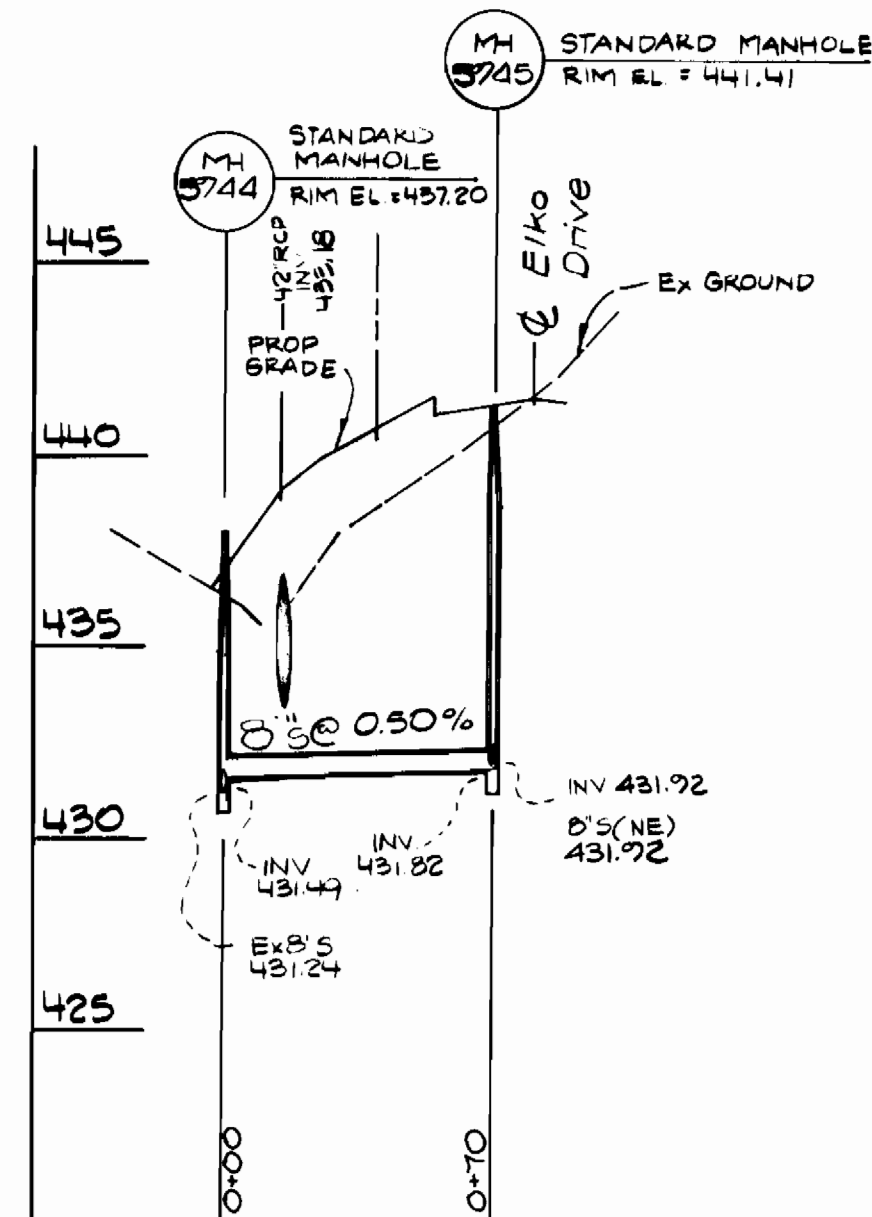
PLAN
WATER & SEWER MAINS

MONTGOMERY MEADOWS
SECTION ONE AREA FIVE
CONTRACT 1A-1066-1D
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

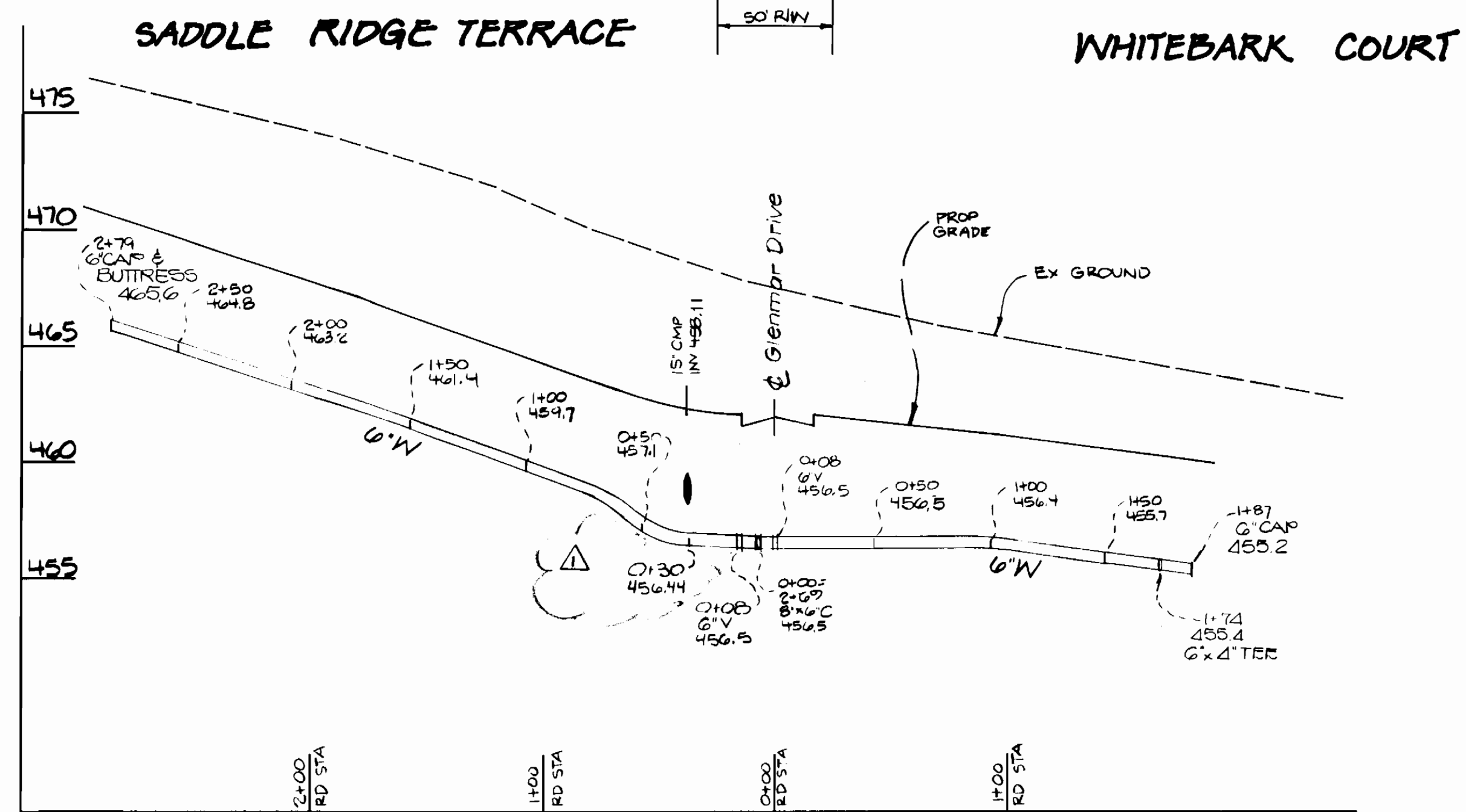
SCALE AS SHOWN
SHEET 3 OF 6



Sewer Outfall thru Lot 285

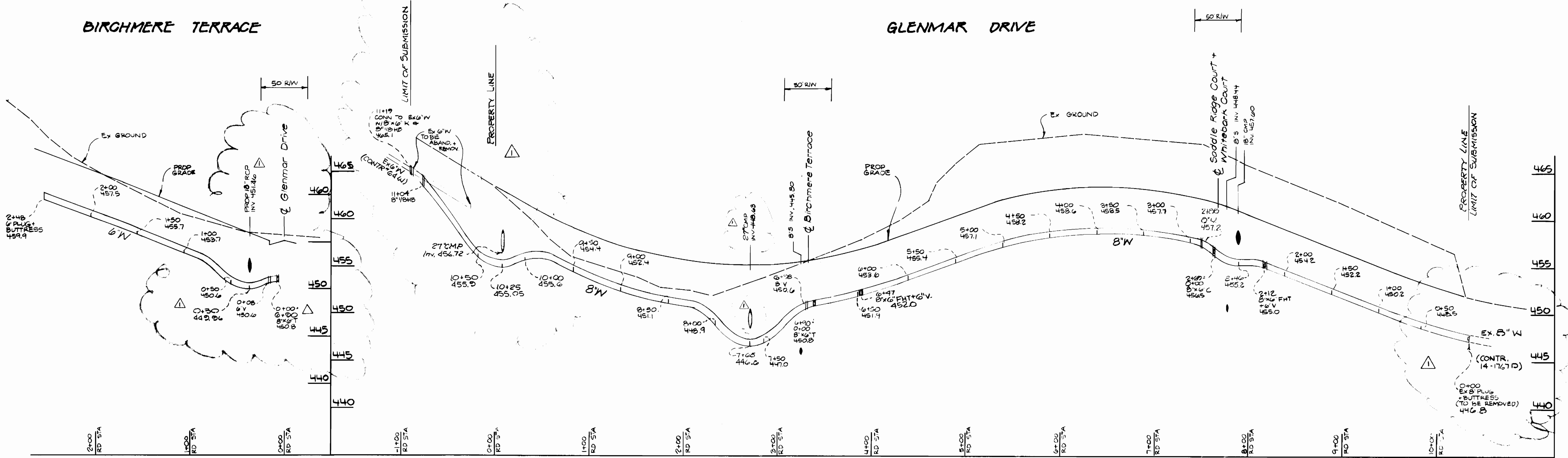


Sewer Outfall



BIRCHMERE TERRACE

GLENMAR DRIVE



PROFILE SCALE
Hor. 1"=50'
Vert. 1"=5'

CONTRACT NO. 14-1826-D
MONTGOMERY MEADOWS
SECTION ONE AREA FIVE
CONTRACT 14-1826-D
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
WATER & SEWER EXTENSIONS

BRUNING 44.132.69150

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James J. ...
DIRECTOR OF PUBLIC WORKS
DATE: 7-18-89

Michael A. ...
CHIEF, BUREAU OF UTILITIES
DATE: 8/24/89

...
CHIEF, BUREAU OF ENGINEERING
DATE: 8/24/89

...
CHIEF, LAND DEVELOPMENT DIV.
DATE: 8/24/89

Dewberry & Davis
ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS

3300 N. RIDGE ROAD
SUITE 100
ELLICOTT CITY, MD 21043
(301) 461-7478



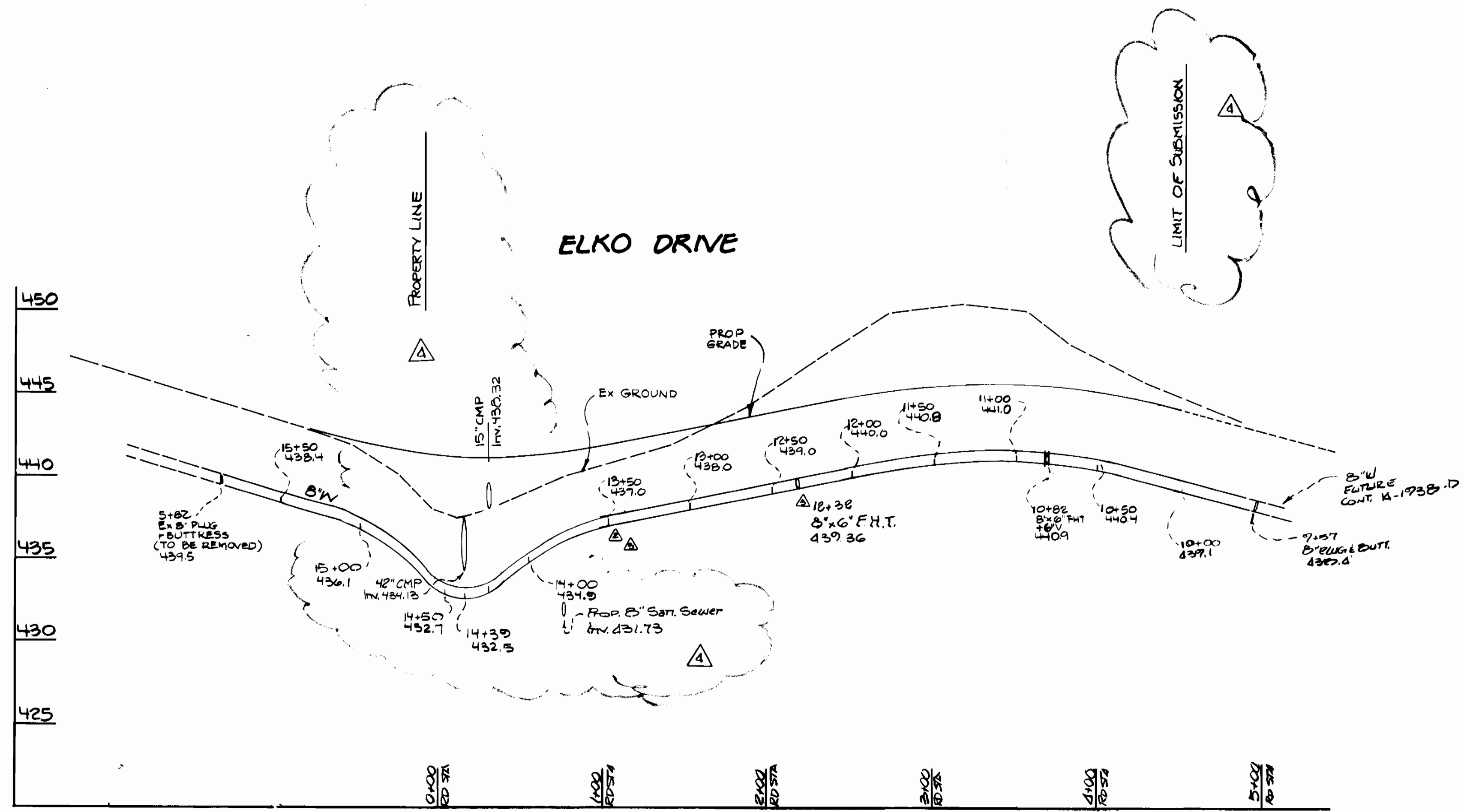
| | | |
|----------------|--------|--|
| DES: GPM | NEO | REVISIONS AS PER HOWARD COUNTY COMMENTS 10/18/00 1/17/01 |
| DRN: GPM | WEO | REVISED AS PER RED LINE COMMENTS 1/29/01 |
| CHK: | | |
| DATE: APR 2005 | BY NO. | REVISION |

PROFILE
WATER & SEWER MAINS

600' SCALE MAP NO. 3 BLOCK NO. 14

MONTGOMERY MEADOWS
SECTION ONE AREA FIVE
CONTRACT 14-1826-D
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 5 OF 6



PROFILE SCALE
 Hor. 1"=50'
 Vert. 1"=5'

CONTRACT NO. 14-1806-D
 MONTGOMERY MEADOWS
 SECTION ONE AREA FIVE
 1st ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 WATER MAINS EXTENSION

DRAWING 44-12-81-50

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

James P. ... 01/26/89
 DIRECTOR OF PUBLIC WORKS DATE

Richard ... 3/24/89
 CHIEF, BUREAU OF UTILITIES DATE

... 3/24/89
 CHIEF, BUREAU OF ENGINEERING DATE

... 3/24/89
 CHIEF, LAND DEVELOPMENT DIV. DATE

Dewberry & Davis
 ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS

3300 N. RIDGE ROAD
 SUITE 100
 ELLICOTT CITY, MD 21043
 (301) 461-7478



| | | | |
|----------------|-----|--|----------|
| DES: GPM | WEO | REVISIONS AS PER HOWARD COUNTY COMMENTS 10/10/88 1/17/89 | |
| DRN: GPM | WEO | SHOWING A 8"x6" F.H.T. AT STA. 3+40 | 1/11/90 |
| CHK: | WEO | SHOWING A 2"x6" F.H.T. @ STA. 2+32 | 5/12/89 |
| DATE: AUG 1985 | WEO | REMOVING A 2"x6" F.H.T. @ STA. 2+40 | |
| | WEO | REMOVING A 2"x6" F.H.T. @ STA. 2+40 | |
| | WEO | REVISIONS AS PER HOWARD COUNTY COMMENTS 11/10/90 | 11/13/90 |
| | WEO | REVISE AS PER RECDLINE COMMENTS | 1/20/91 |
| BY | NO | REVISION | DATE |

PROFILE WATER MAINS

600' SCALE MAP NO. 31 BLOCK NO. 14

MONTGOMERY MEADOWS
 SECTION ONE AREA FIVE
 CONTRACT 14-1806-D
 1st ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 6 OF 6