

SEDIMENT CONTROL NOTES

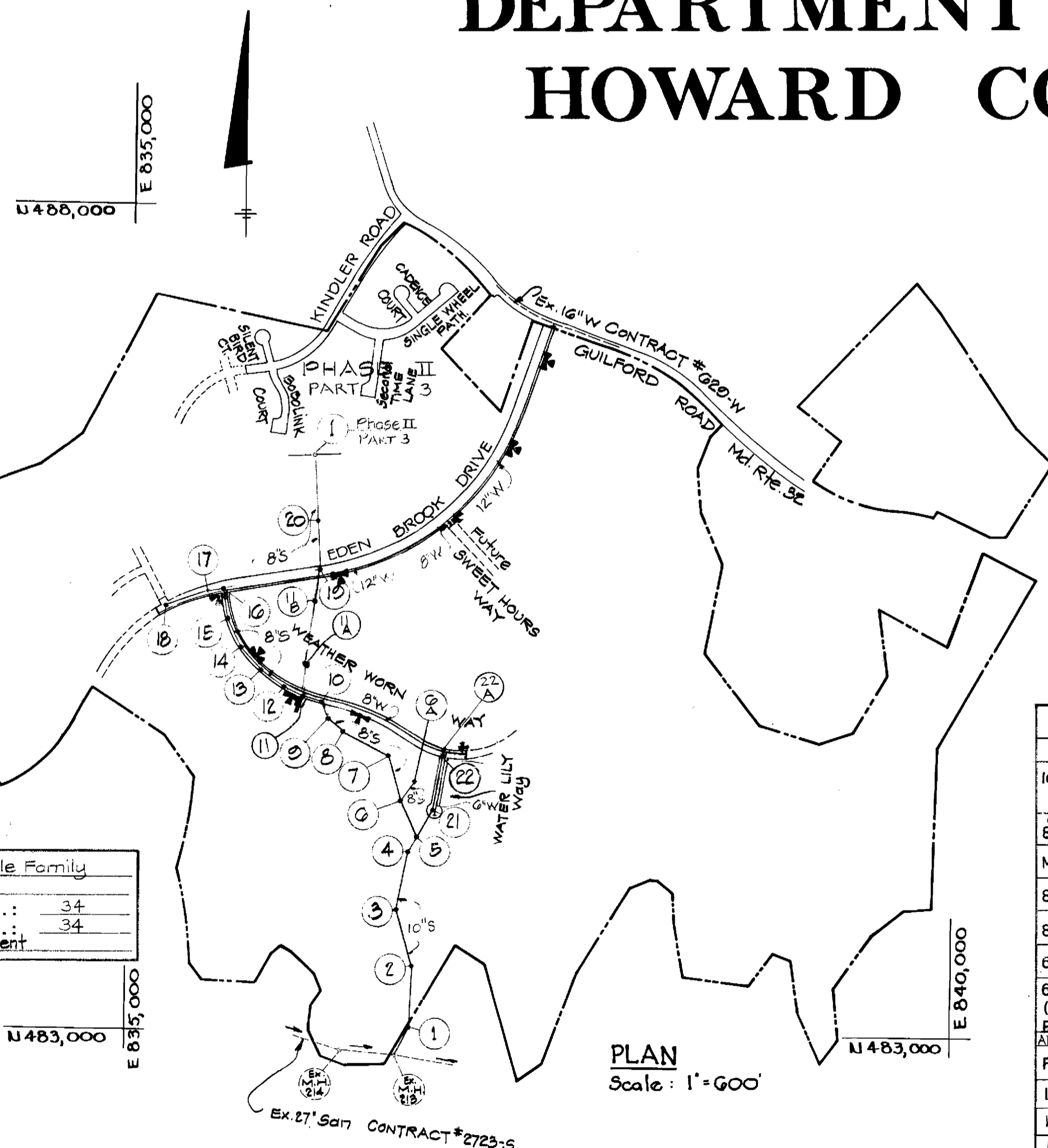
1. FOR SEDIMENT CONTROL FOR THIS CONTRACT SEE THE APPROVED ROAD CONSTR. PLANS FOR FILE F-80-96.
2. MATERIAL FROM TRENCH EXCAVATION TO BE PLACED ON UPHILL SIDE OF TRENCH.
3. CONTRACTOR TO BACKFILL, COMPACT AND STABILIZE IMMEDIATELY AFTER INSTALLATION OF PIPE. NO TRENCHES WILL BE LEFT OPEN AT THE END OF EACH DAY, EXCEPT THAT PORTION WHERE WORK HAS STOPPED.
4. ANY SEDIMENT CONTROL FACILITIES ENCOUNTERED DURING PIPE CONSTRUCTION TO BE RETURNED TO ORIGINAL CONDITION IMMEDIATELY UPON COMPLETION OF THAT PORTION OF THE WORK.

VILLAGE OF KINGS CONTRIVANCE

SECTION 2, AREA 3, PHASE II, PART 4

CONTRACT NO. 34-0912-D

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND



TYPE OF BUILDING: Single Family
 NO. OF LOTS: 24
 NUMBER OF WATERHOUSE CONN.: 34
 NUMBER OF SEWERHOUSE CONN.: 34
 DRAINAGE AREA: Middle Potycent

Water Code E-1G
 Sewer Code G44.0000

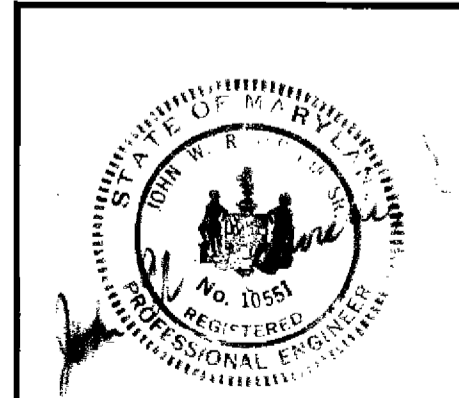
| QUANTITIES | | | | |
|----------------------------------|------|-----------|--------------|-------------------|
| ITEM | UNIT | ESTIMATED | AS-BUILT | MATERIAL/SUPPLIER |
| 10"x12" TAPPING TEE & VALVE | EACH | 1 | 1 | |
| 6" SEWER | L.F. | 4840 | 705 + 911.8* | J.M. P.V.C. |
| 8" SEWER | L.F. | 26 | 27 | J.M. P.V.C. |
| MANHOLE | EACH | 26 | 27 | ATLANTIC |
| 8" WATER | L.F. | 2562 | 2539.5 | GRIFFIN |
| 8" VALVE | EACH | 11 | 11 | M&H |
| 6" WATER | L.F. | 480 | 489.5 | GRIFFIN |
| 6" VALVE (Excluding) F.H. VALVES | EACH | 1 | 1 | |
| AIR RELEASE MH | EACH | 2 | 2 | |
| FIRE HYDRANT | EACH | 9 | 9 | M&H |
| 12" WATER | L.F. | 3250 | 3240 | GRIFFIN |
| 10" SEWER | L.F. | 1030 | 1027.5 | J.M. P.V.C. |
| 12" Valve | EACH | 2 | 2 | M&H |

PLAN
Scale: 1"=600'

GENERAL NOTES

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY.
2. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
3. ALL WATER MAINS TO BE C.I.P./D.I.P. UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
5. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING.
6. FOR ALL STANDARD DETAILS, SEE STANDARDS BOUND IN SPECIFICATIONS.
7. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
8. SOIL AROUND FIRE HYDRANTS TO BE COMPACTED IN ACCORDANCE WITH SECTION 5-15 OF THE STANDARDS SPECIFICATIONS.
9. ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
10. PLACE REGULATION "MEN WORKING" AND WARNING SIGN AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
11. ALL WATER MAINS TO HAVE A MINIMUM OF 3 1/2" COVER UNLESS OTHERWISE NOTED.
12. 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.
13. CLEAR ALL UTILITIES BY A MINIMUM OF 12-INCHES.
14. ALL FIRE HYDRANTS SHALL BE STRAPPED TO TEES AND SHALL BE BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.
15. 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 FOR WATER AND SEWER MAINS.
16. ALL SEWERS SHALL BE V.C.P.X., C.S.P.X., OR A.C.P., CLASS 2400 UNLESS OTHERWISE NOTED.
17. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
18. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
19. BLOCK ALL FITTINGS WITH CONCRETE. SEE STANDARDS BOUND IN SPECIFICATIONS.
20. BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON DRAWINGS.
21. COST OF STRAPPING HYDRANTS AND VALVES TO TEES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR FURNISHING AND LAYING WATER MAINS.
22. CONTRACTOR SHOULD NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - CHESAPEAKE AND POTOMAC TELEPHONE CO. 725-9976
 - BALTIMORE GAS AND ELECTRIC CO. 294-5021
 - UNDERGROUND ELECTRIC DISTRIBUTION ENGR. 685-0123
 - DAMAGE CONTROL 294-5021
 - UNDERGROUND GAS DISTRIBUTION ENGR. 685-0123
 - BELL TELEPHONE SYSTEM 393-3649
 - LONG DISTANCE CABLE DIVISION 393-3553
 - MISS UTILITY 1-559-0100
 - HOWARD CO. BUREAU OF UTILITIES 392-2360

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE SPECIFICATION AND F-80-96, ROAD CONSTRUCTION PLANS:
 9/21/81 Add B'S From M123 to Parcel 'C' Cen. Eng.
 5/16/81 Quantity Correction Cen. Eng.



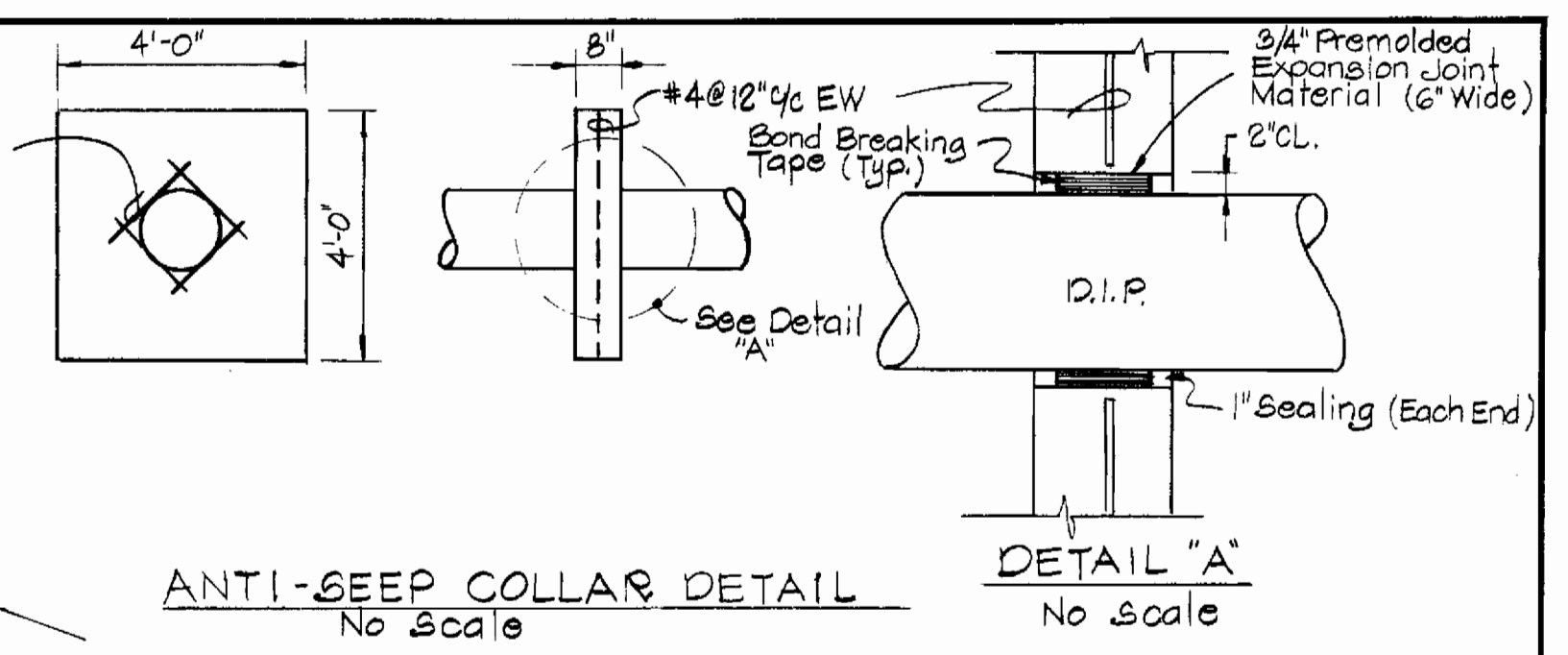
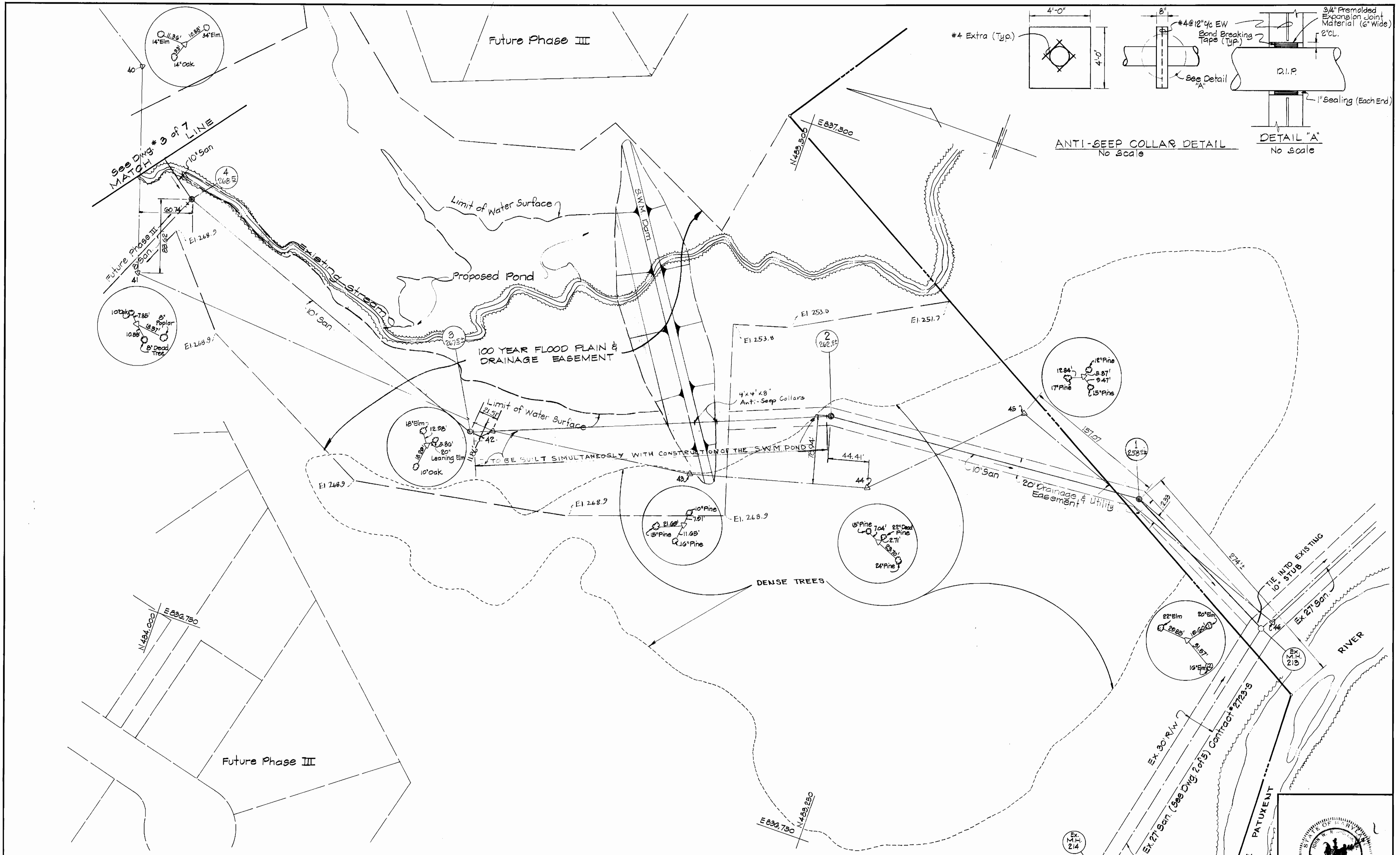
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 REVIEWED FOR HOWARD COUNTY CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
 Signature: [Signature] Date: 3/6/81
 U.S. SOIL CONSERVATION SERVICE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 APPROVED: [Signature] Date: 3-6-81
 HOWARD S.C.D.

CONTRACT NO. 34-0912-D
 TITLE SHEET

VILLAGE OF KINGS CONTRIVANCE
 SECTION 2 AREA 3 PHASE II, PART 4
 6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

DRAWING NO. 1 OF 7
 SCALE As Shown



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief - Bureau of Utilities DATE 3-12-81
 Chief - Land Development Division DATE 3-12-81

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works DATE 3-13-81
 Chief - Bureau of Engineering DATE 3-13-81

7/2/81 REV. MH TOP ELEV.
 DATE REVISION

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

CONTRACT NO. 34-0912-D

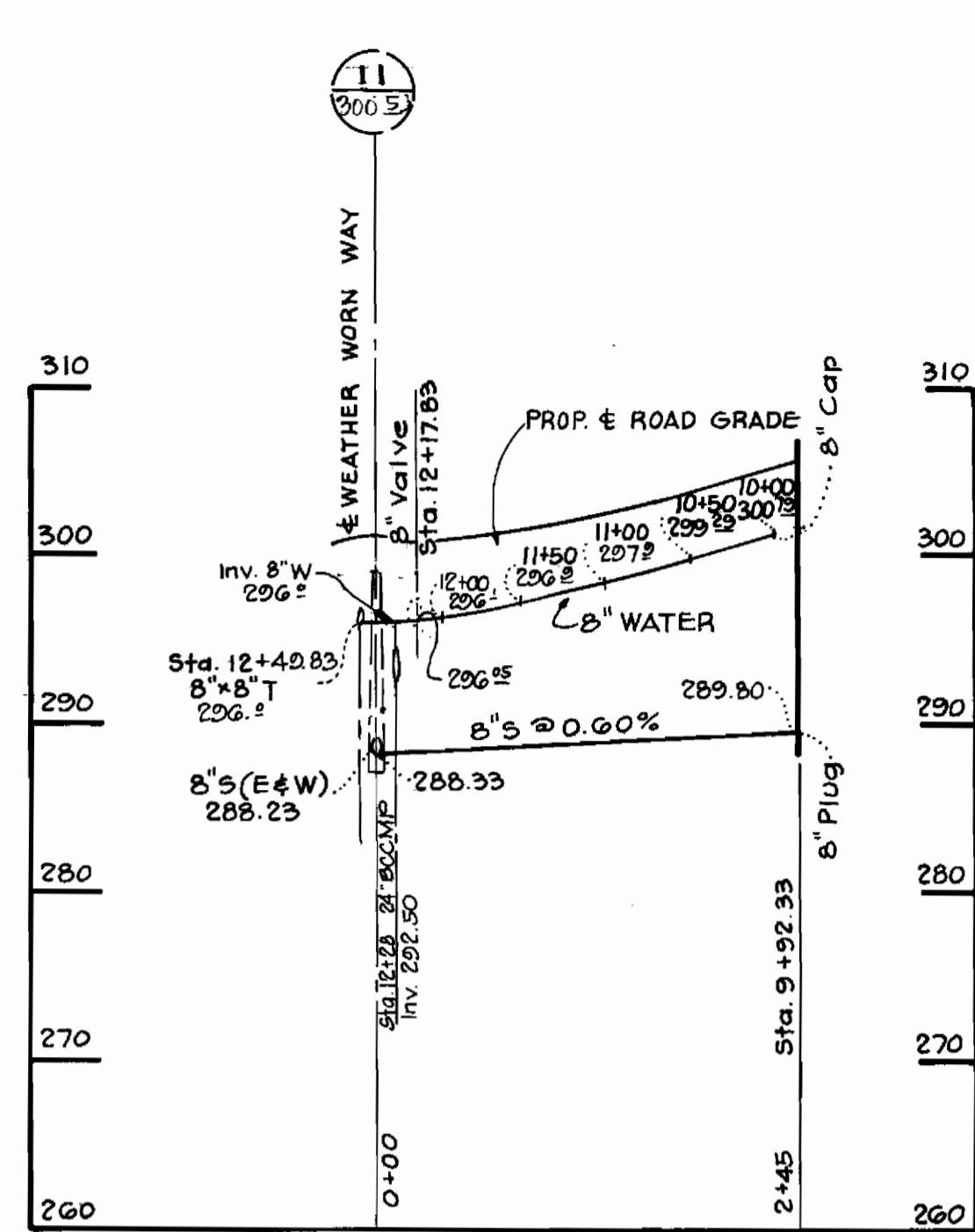
PLAN OF WATER & SEWER MAINS

VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART 4
 6th Election District, Howard County, Maryland

DRAWING NO. 2 OF 7
 SCALE 1"=50'

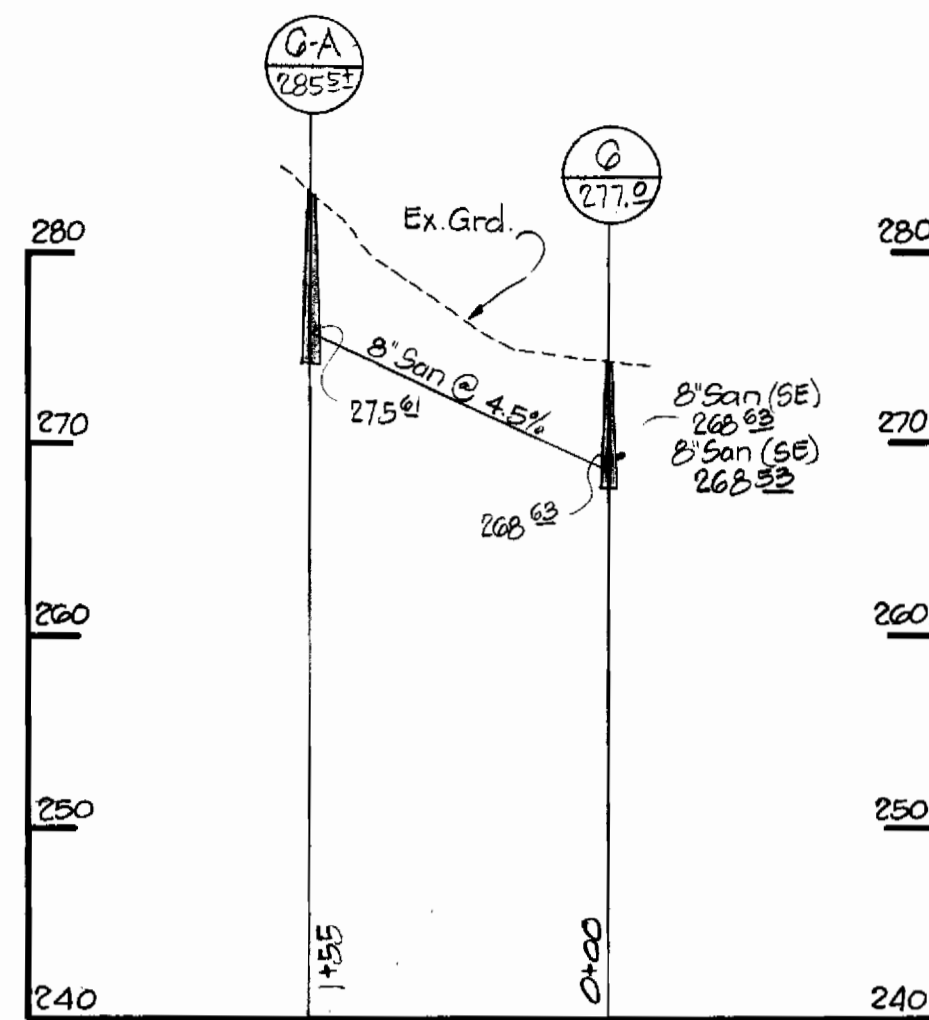


7/2/81

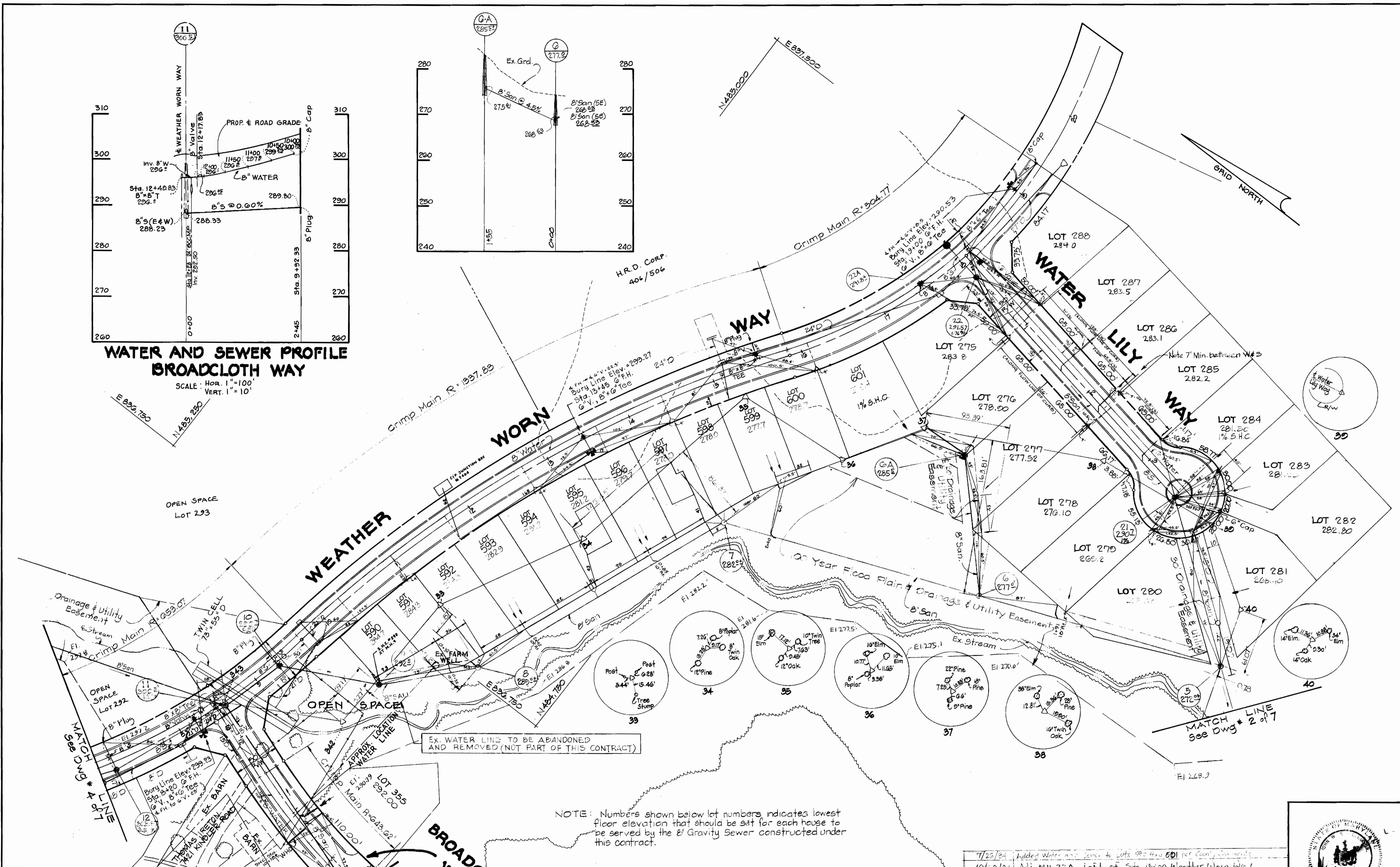


**WATER AND SEWER PROFILE
BROADCLOTH WAY**

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

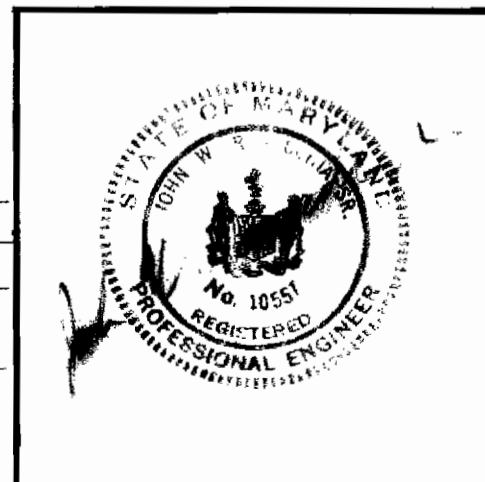


**HR.D. Corp.
406/506**



NOTE: Numbers shown below lot numbers indicates lowest floor elevation that should be set for each house to be served by the 8" Gravity Sewer constructed under this contract.

| DATE | REVISIONS |
|----------|--|
| 7/28/84 | Added Water and Sewer to Lots 280 thru 281 per County Commission |
| 10/19/84 | Add MH 22A Left of Sta 15+00 Weather Worn Way |
| 7/8/81 | RELOCATE 8" WATER CONNECTION IN WEATHER WORN WAY FROM STA 17+40 TO 15+50 |
| 7/8/81 | ADDED "W" TO 18" TON PROP |
| 7/8/81 | REV. MH TOP ELEV. |



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
3-12-81
CHIEF - BUREAU OF UTILITIES

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
3-13-81
DIRECTOR OF PUBLIC WORKS

CONTRACT NO. 34-0912-D

**PLAN OF
WATER & SEWER MAINS**

**VILLAGE OF KING'S CONTRIVANCE
SECTION 2, AREA 3, PHASE II, PART 4**
6th Election District, Howard County, Maryland

DRAWING NO. 3 OF 7
SCALE 1" = 50'

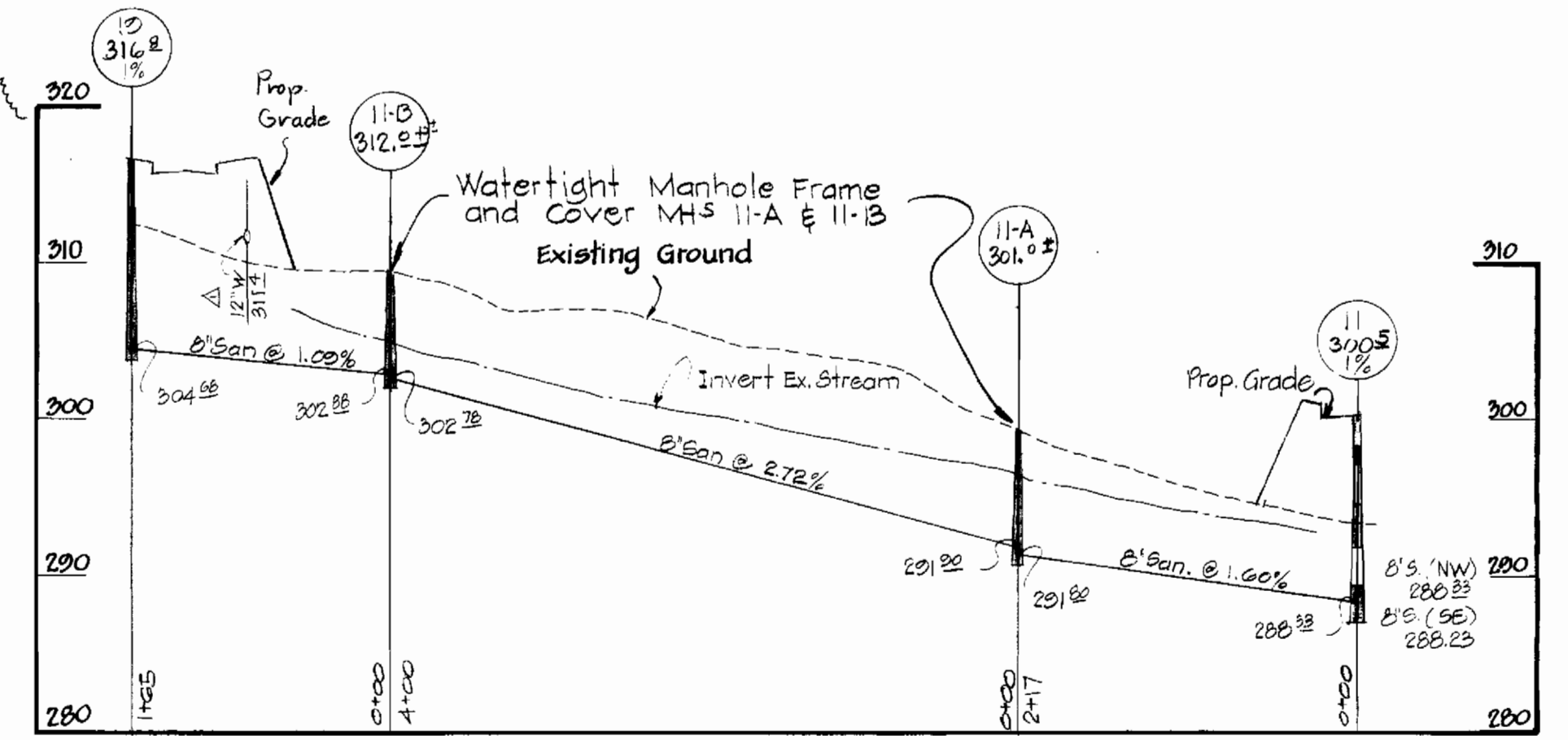
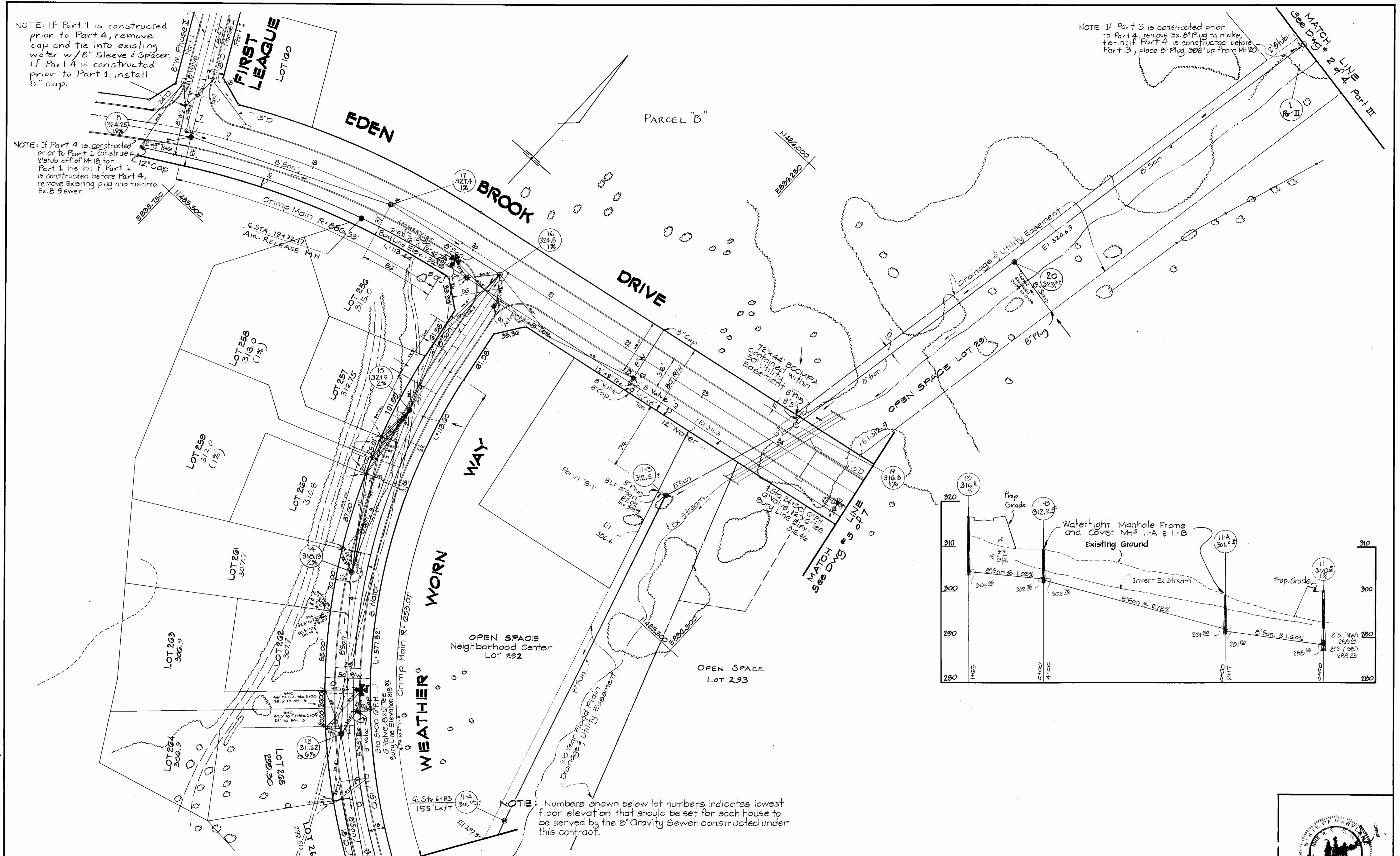
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

PHASE III, PART 1
SEE SHEET 2 OF 3

NOTE: If Part 1 is constructed prior to Part 4, remove cap and tie into existing water w/ 8" Sleeve & Spacer. If Part 4 is constructed prior to Part 1, install 8" cap.

NOTE: If Part 4 is constructed prior to Part 1, construct 2' stub off of MH 10 for Part 1 tie-in; if Part 1 is constructed before Part 4, remove Existing plug and tie into Ex B Sewer.

NOTE: If Part 3 is constructed prior to Part 4, remove Ex. B Plug to make tie-in; if Part 4 is constructed before Part 3, place B Plug 30B up from MH 20.



NOTE: Numbers shown below lot numbers indicates lowest floor elevation that should be set for each house to be served by the 8" Gravity Sewer constructed under this contract.

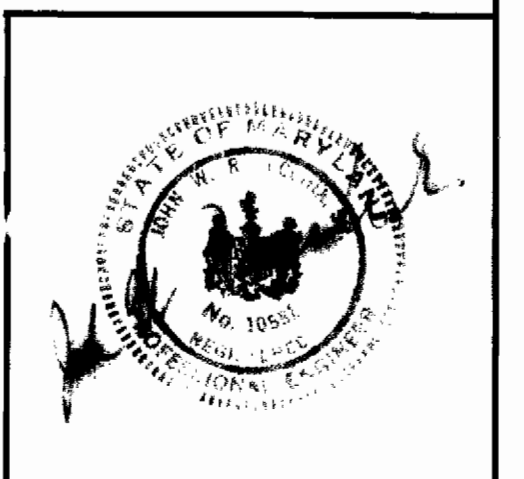
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief - Bureau of Utilities DATE
 Chief - Land Development Division DATE

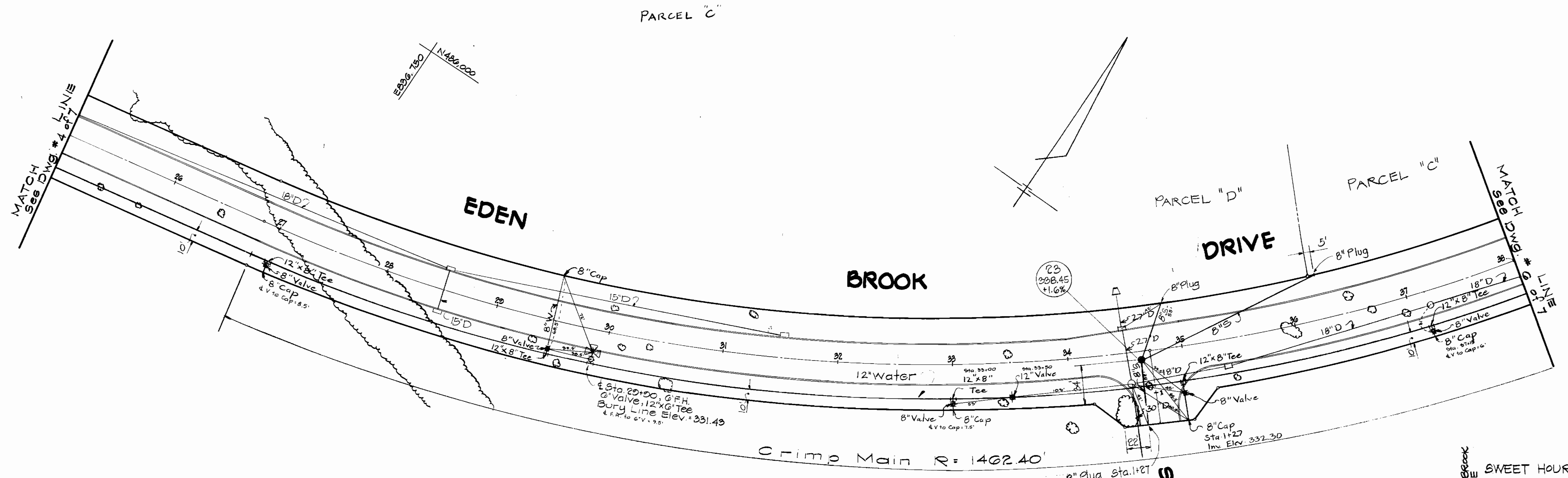
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works DATE
 Chief - Bureau of Engineering DATE

CONTRACT NO. 34-0912-D

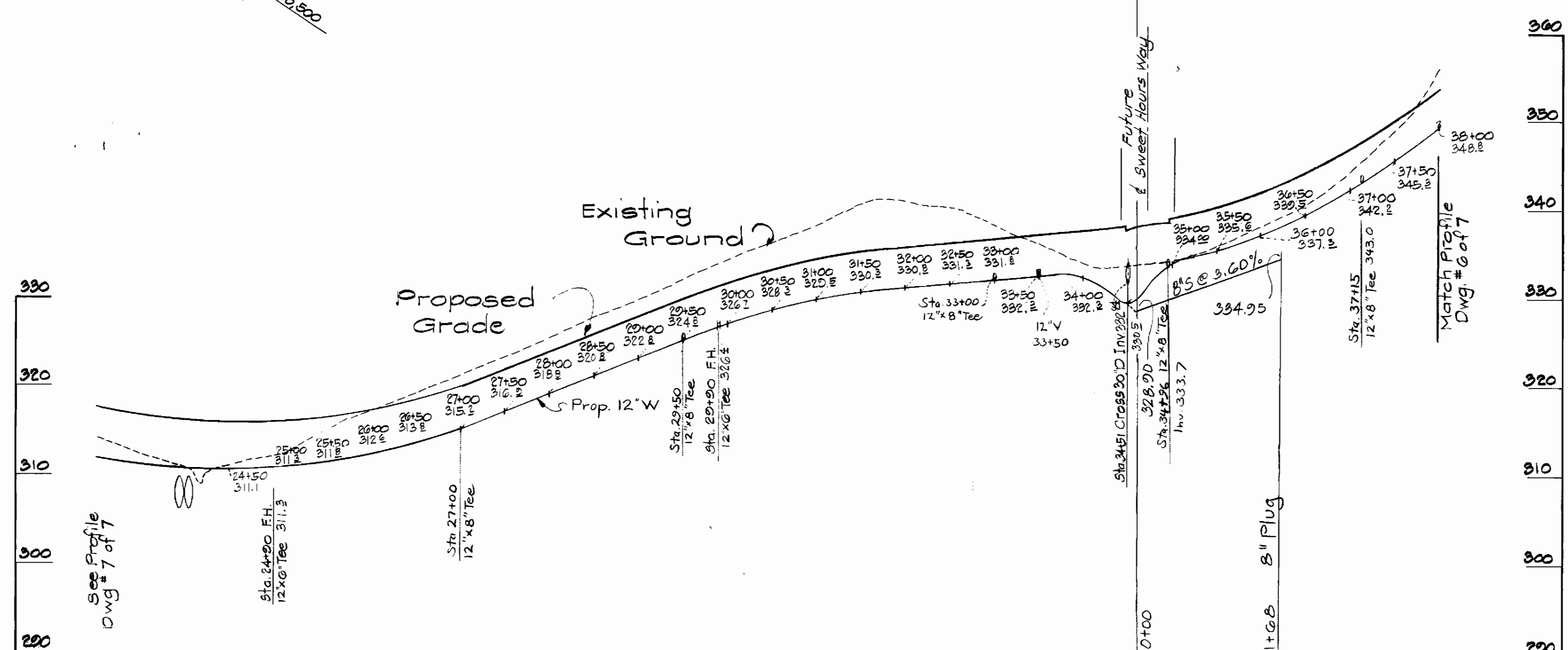
| | | |
|---------|---|-----------|
| 7/26/84 | Revised per County Comments Dated 7/19/84 | CEI |
| 7/2/81 | REV. MH TOP ELEV. | |
| 5/18/81 | Health Dept. Comments Dated 5/14/81 | Con. Eng. |
| date | Revisions | By |

PLAN OF WATER & SEWER MAINS
 VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART 4
 6th Election District, Howard County, Maryland
 DRAWING NO. 4 OF 7
 SCALE 1"=50'

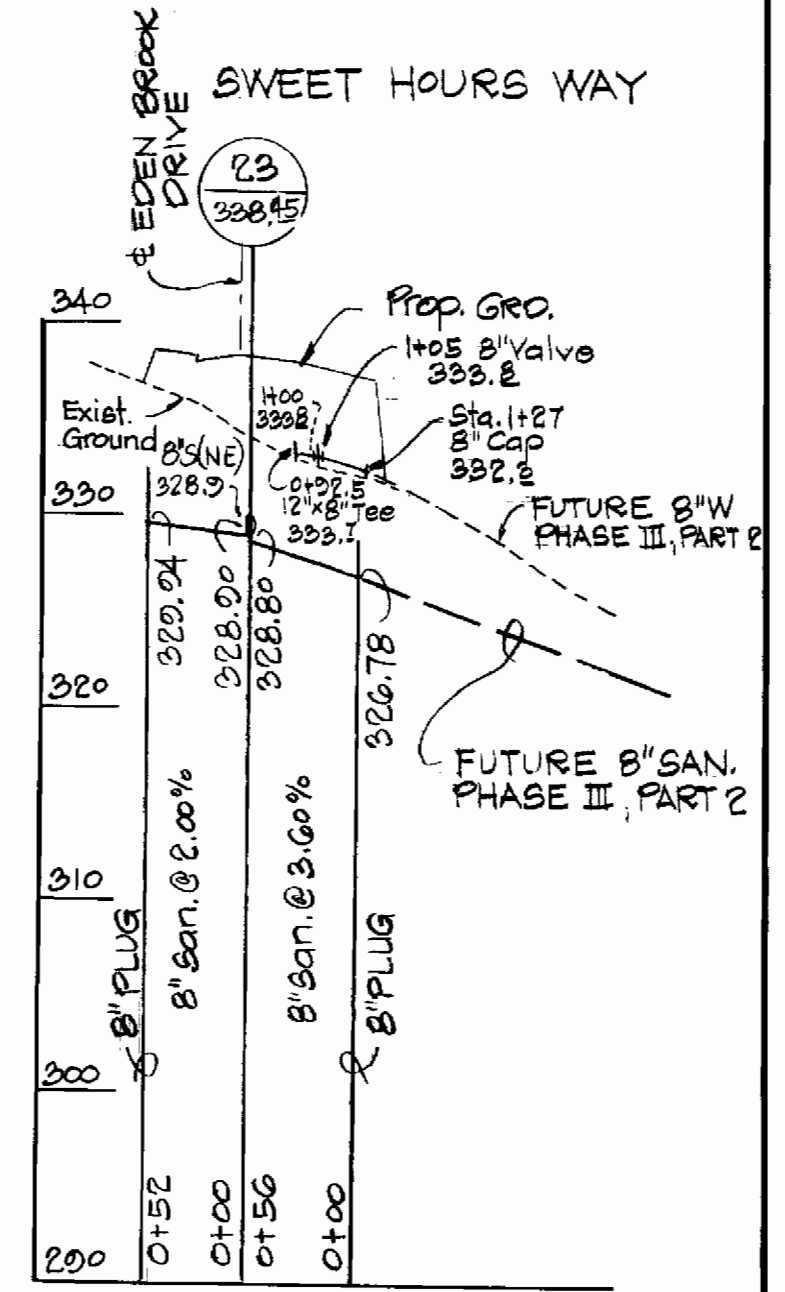




PLAN
Scale: 1"=50'



PROFILE
Scale: Horiz. 1"=100'
Vert. 1"=10'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
3-12-81
CHIEF - BUREAU OF UTILITIES DATE CHIEF - LAND DEVELOPMENT DIVISION DATE

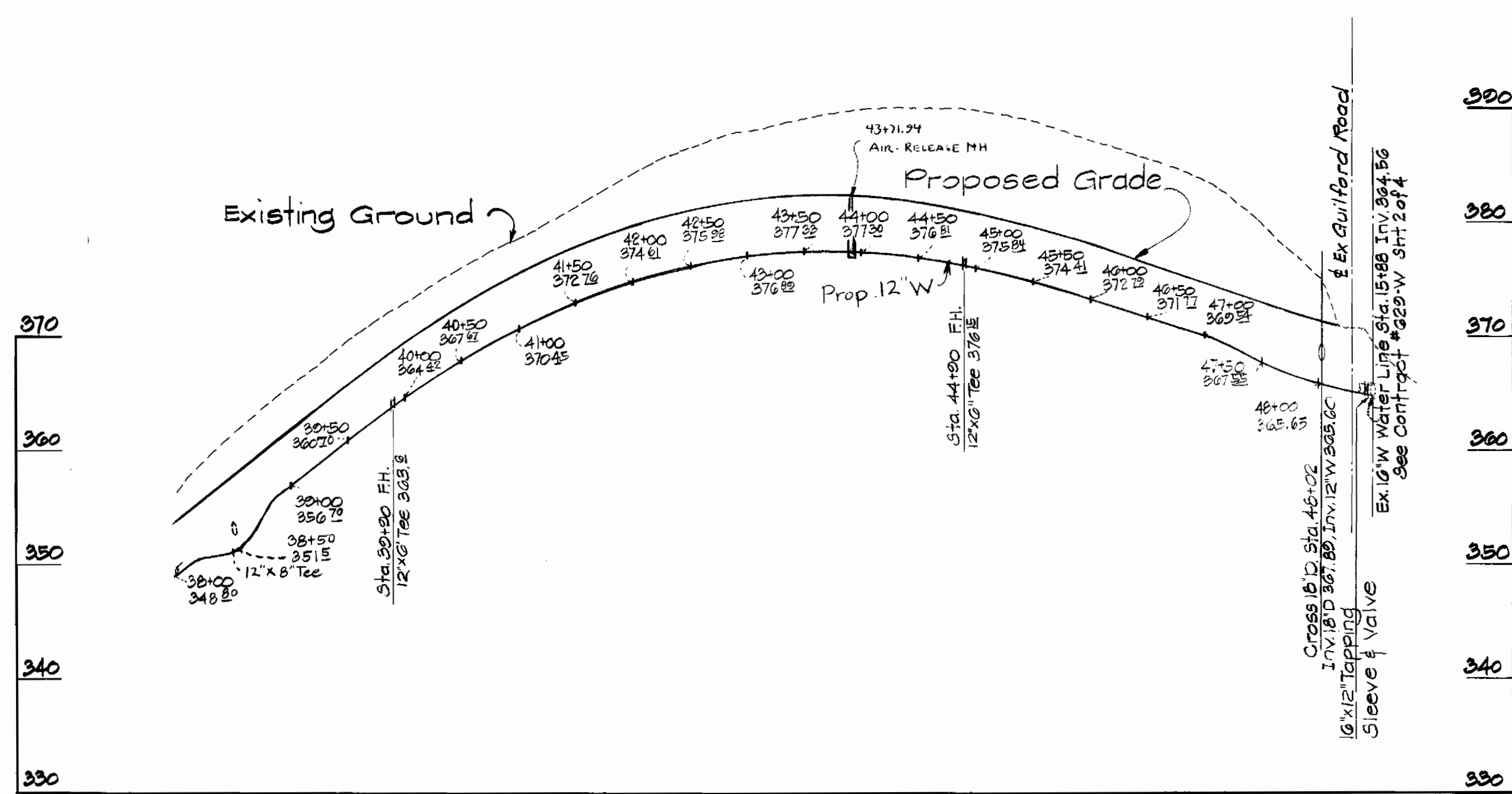
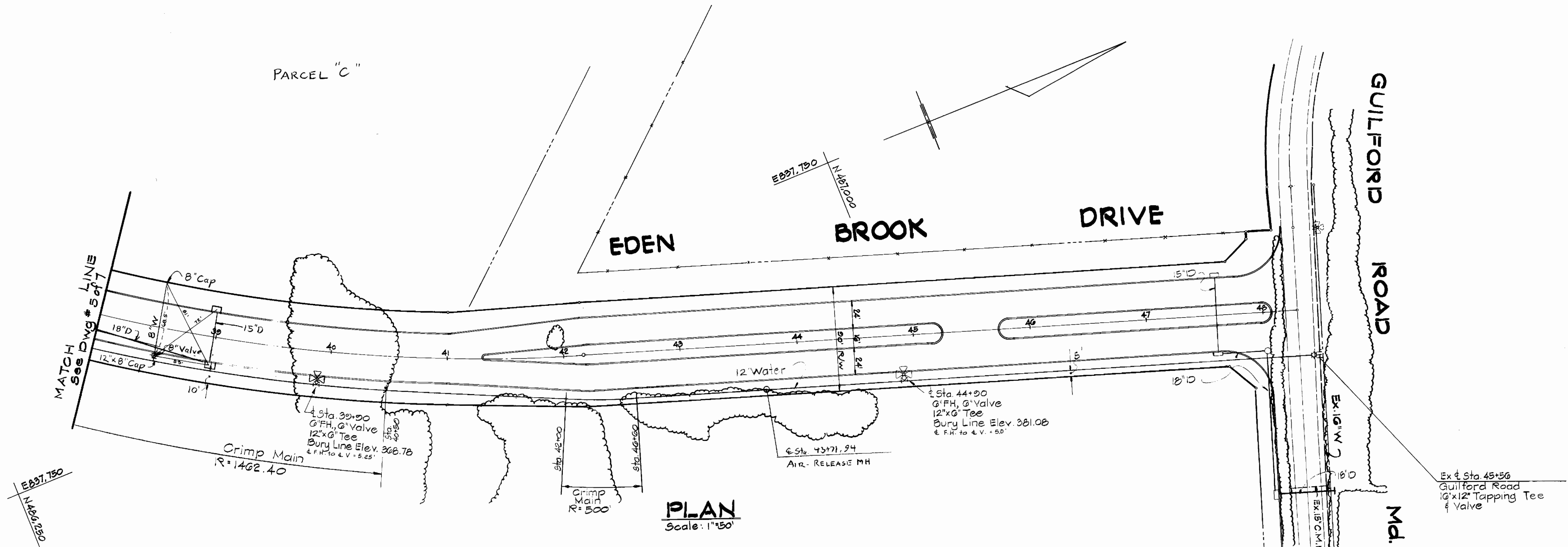
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
3-13-81
DIRECTOR OF PUBLIC WORKS DATE CHIEF - BUREAU OF ENGINEERING DATE

CONTRACT NO. 34-0912-D
PLAN AND PROFILE OF
WATER MAIN

VILLAGE OF KINGS CONTRIVANCE
SECTION 2 AREA 3 PHASE II, PART 4
6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

DRAWING NO. 5 OF 7
SCALE As Shown





DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief - Bureau of Utilities DATE Chief - Land Development Division DATE

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works DATE Chief - Bureau of Engineering DATE

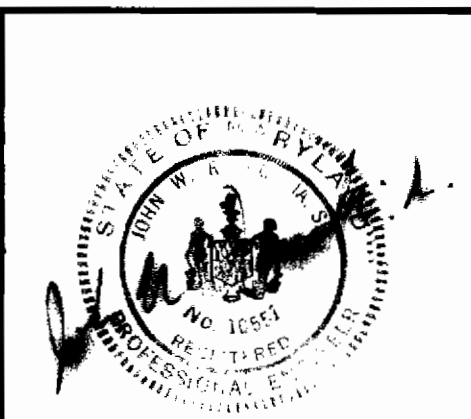
CONTRACT NO. 34-0912-D

PLAN & PROFILE OF WATER MAIN

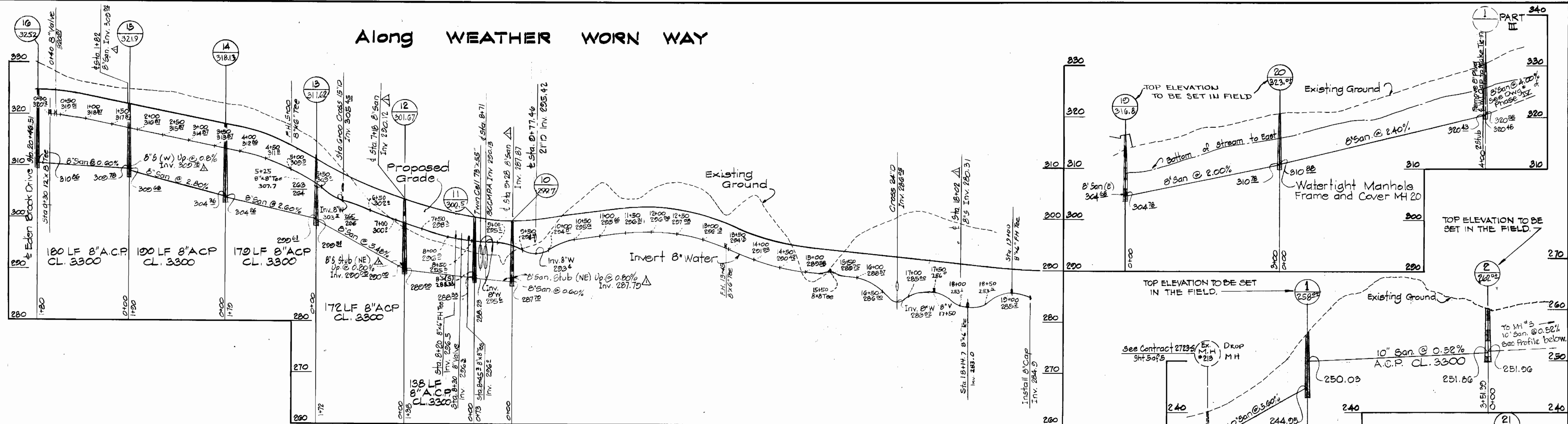
VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART 4
 6th Election District, Howard County, Maryland

DRAWING NO. 6 OF 7 SCALE As Shown

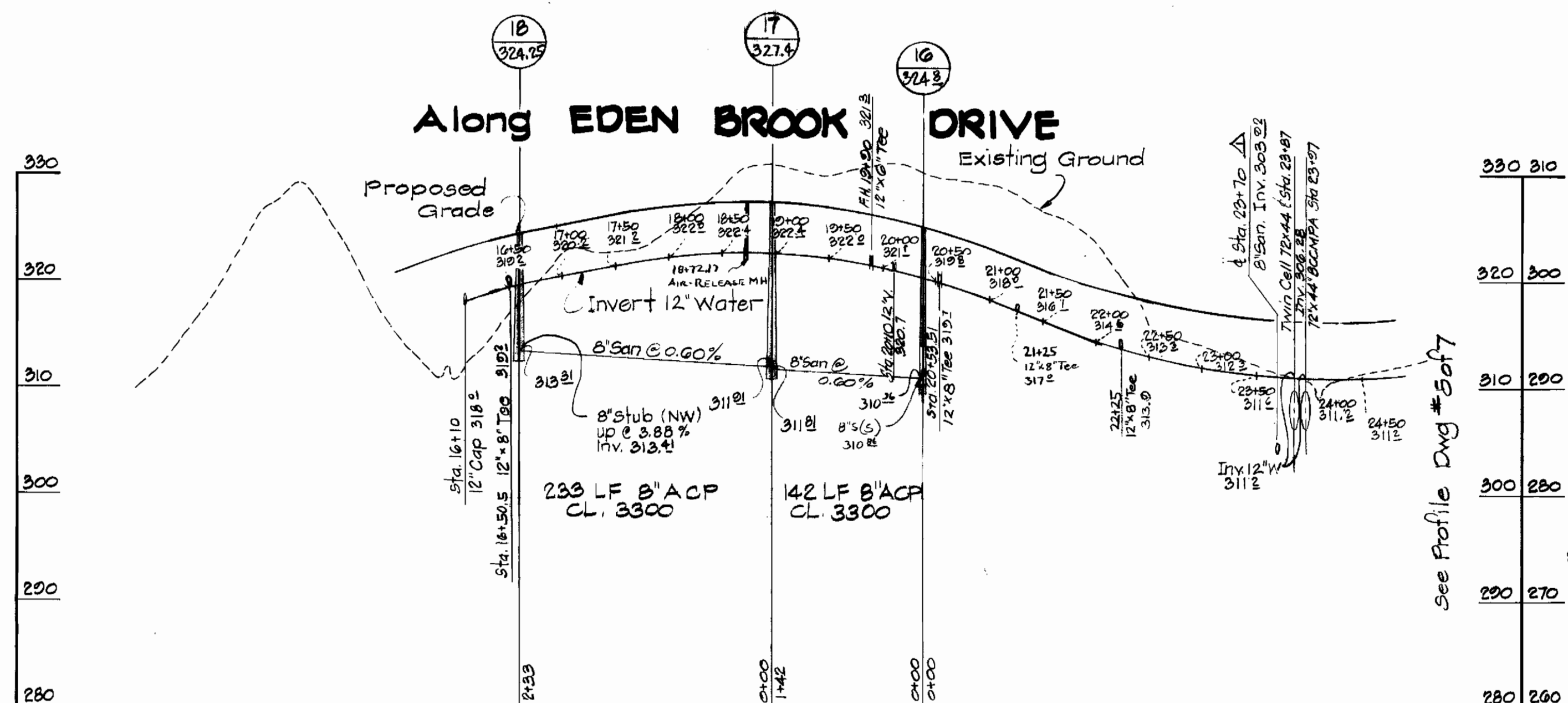
| | |
|---------|--------------------------------|
| 7/10/81 | WATER MAIN PROFILE @ STA 38+50 |
| 7/12/81 | S.D. LOCATION @ & STA 38+50 |
| DATE | REVISIONS |



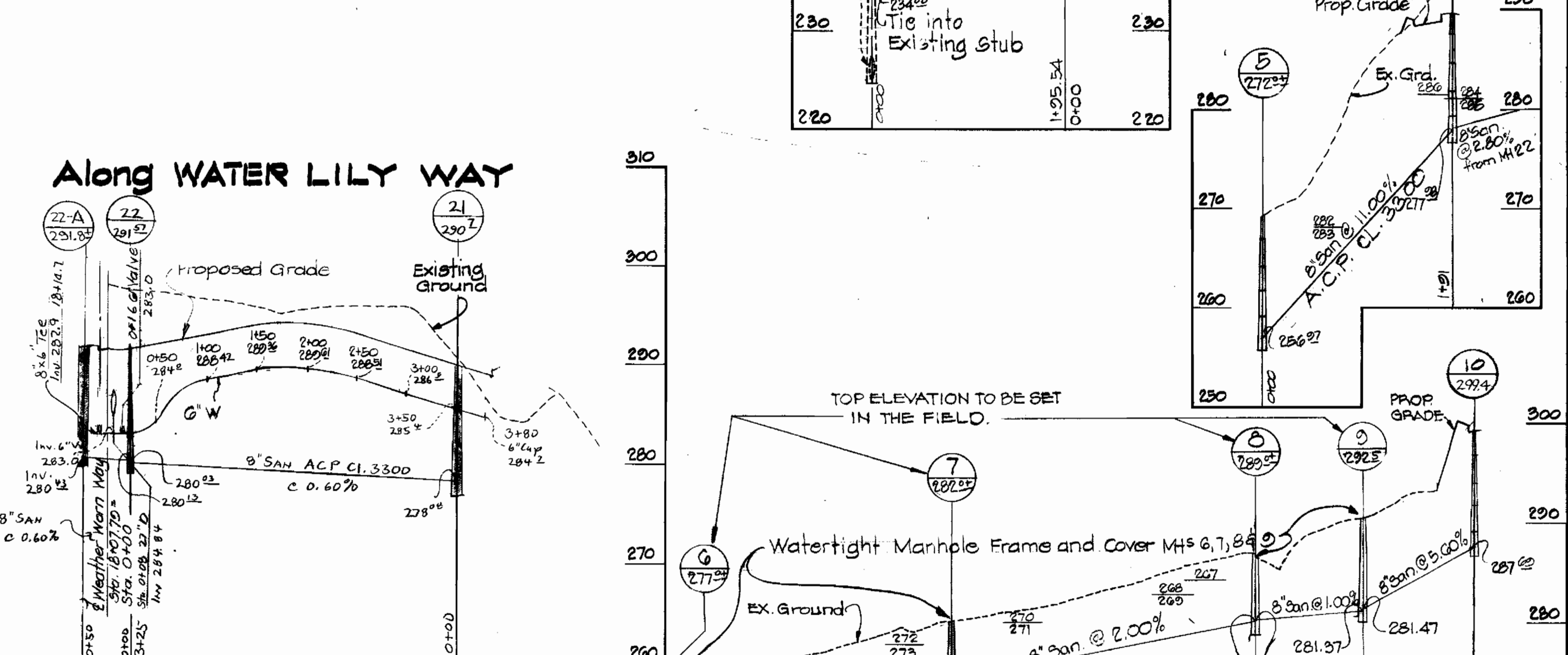
Along WEATHER WORN WAY



Along EDEN BROOK DRIVE



Along WATER LILY WAY



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief-Bureau of Utilities DATE 3-12-81
 Chief-Land Development Division DATE 3-12-81

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works DATE 3-13-81
 Chief-Bureau of Engineering DATE 3/13/81

CONTRACT NO. 34-0912-D

PROFILES OF WATER & SEWER MAINS

VILLAGE OF KING'S CONTRIVANCE
 SECTION 2, AREA 3, PHASE II, PART 4
 6th Election District, Howard County, Maryland

DRAWING NO. 7 OF 7
 SCALE: Horiz. 1"=100' Vert. 1"=10'
 As Built - November 1981

| Date | Revisions | By |
|----------|---|-----------|
| 10/21/81 | Add MH 22A | |
| 7/2/81 | Reloc. MH Elev. | |
| 7/2/81 | Reloc. 8"x8" Tee Sta 17+40 to 15th Weather Worn Way | |
| 5/15/81 | Health Dept Comments Dated 3/14/81 | Gen. Eng. |

