

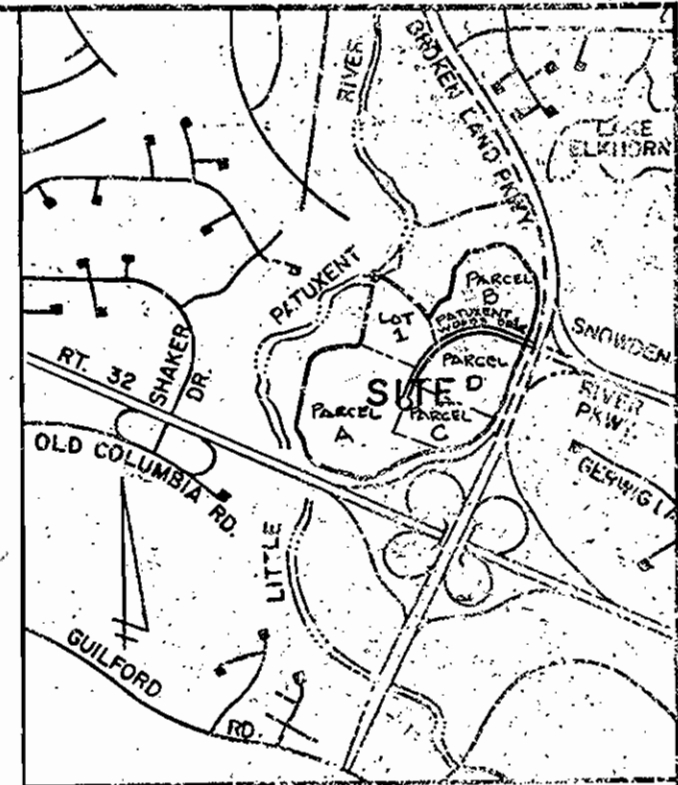
VILLAGE OF OWEN BROWN

SECTION 6, AREA 1

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-1295-D



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES:

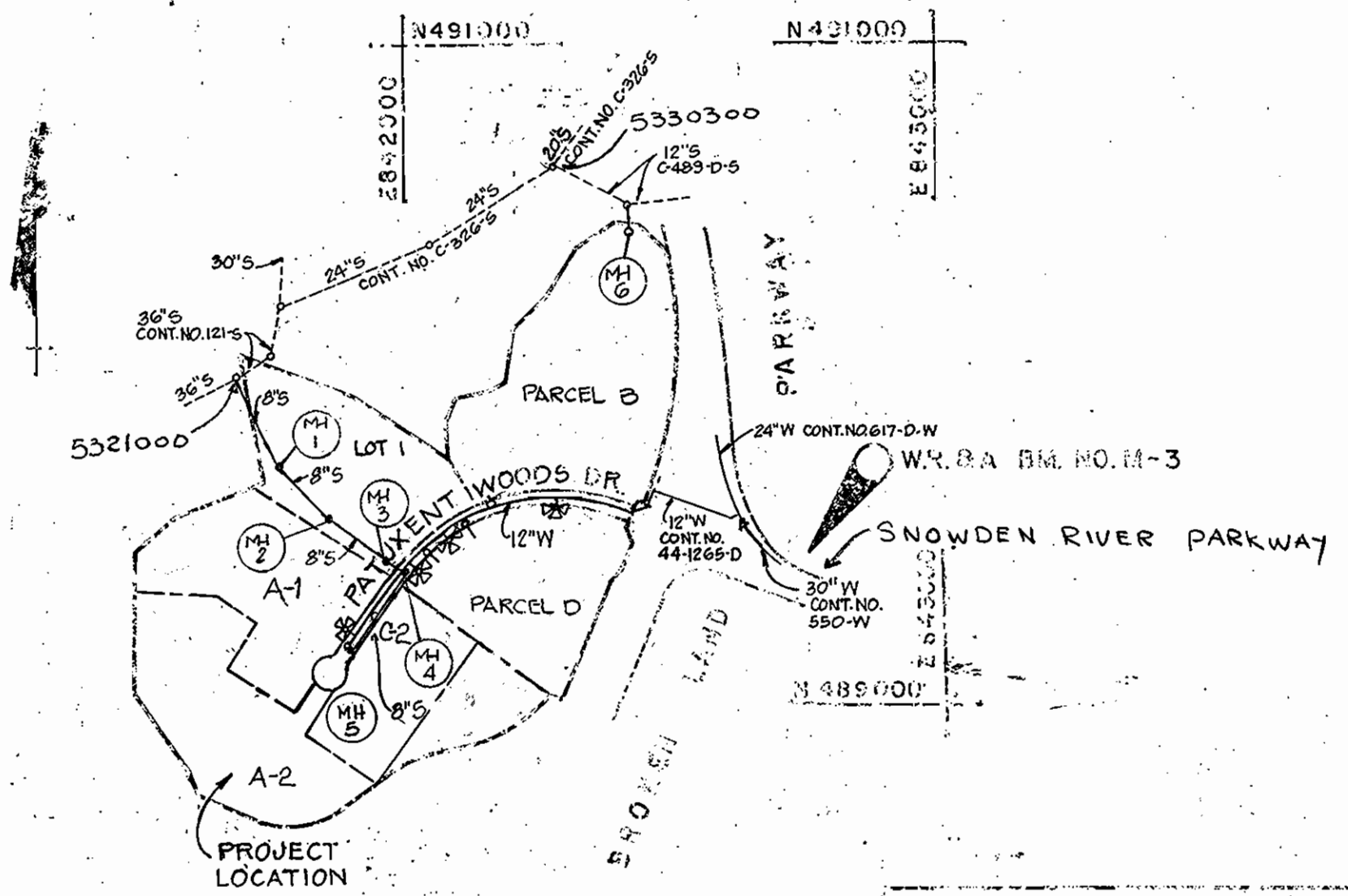
- PART I**
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
 - ALL VERTICAL CONTROLS ARE BASED ON U.S. G.S. DATUM.
 - ALL ELEVATIONS SHOWN ARE FINISH ELEVATIONS.
 - CONCRETE MANHOLES TO BE 24" DIA. OR 18" DIA. PIPES BY 24" DIA. OR 18" DIA. AS REQUIRED. ANY SPECIAL REQUIREMENTS FOR THE CONTRACTOR ARE TO BE INCLUDED IN THE CONTRACT DOCUMENTS.
 - PIPE DELETIONS SHALL BE MADE IN ACCORDANCE WITH STANDARD DETAILS.
 - FOR NEW EXITS AND CONNECTIONS TO THE HOWARD COUNTY STANDARD SPECIFICATIONS.
 - CONTRACTOR TO MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES IN ADVANCE OF CONSTRUCTION OPERATIONS AND TO BE REPAIRED AT HIS OWN EXPENSE.
 - CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE ANY WORK SHALL BE DONE.

| | |
|--|--------------|
| HOWARD COUNTY ENGINEERING | 551-5557 |
| BALTIMORE DEPARTMENT OF PUBLIC WORKS | 551-0123 |
| SANITARY SEWER AND WATER MAINS UNDERGROUND | 551-0123 |
| CONSTRUCTION DIVISION | 254-5521 |
| CONSTRUCTION DIVISION | (1) 559-0100 |
| CONSTRUCTION DIVISION | 705-3976 |
| CONSTRUCTION DIVISION | 551-5553 |
| CENTRAL ELECTRIC COMPANY | 701-2641 |
| CITY OF UTILITIES HOWARD COUNTY | 922-2766 |

- WORK IS TO BE DONE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES IN ADVANCE OF CONSTRUCTION OPERATIONS AND TO BE REPAIRED AT HIS OWN EXPENSE.
- PLACE MANHOLES TO BE 24" DIA. OR 18" DIA. PIPES BY 24" DIA. OR 18" DIA. AS REQUIRED. ANY SPECIAL REQUIREMENTS FOR THE CONTRACTOR ARE TO BE INCLUDED IN THE CONTRACT DOCUMENTS.

PART II

- ALL WATER MAINS SHALL BE 12" OR 18" DIA. UNLESS OTHERWISE NOTED.
- ALL WATER MAINS SHALL BE 12" OR 18" DIA. UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO MAINS SHALL BE STRAPPED TO MAINS.
- BLACK JELLY FITTINGS SHALL BE USED.
- PIPE LINE SLOPES ON PIPE SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FITTINGS SHALL BE STANDARD AND APPROVED WITH CONCRETE OR METAL. ALL FITTINGS SHALL BE STANDARD AND APPROVED WITH CONCRETE OR METAL. ALL FITTINGS SHALL BE STANDARD AND APPROVED WITH CONCRETE OR METAL.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES OF THE EXISTING SYSTEM.



| SHEET NO. | DESCRIPTION |
|-----------|-------------|
| 1 | TITLE SHEET |
| 2 | 12\"/> |

| QUANTITIES: | | | | |
|-------------------------|------|-----------|----------|----------------------|
| ITEM | UNIT | ESTIMATED | AS BUILT | MATERIAL / SUPPLIER |
| 8" SEWER | L.F. | 1435 | 1430 | A&P Water & Sewer S. |
| MANHOLE | NO. | 6 | 6 | |
| 8" WATER | L.F. | 185 | 202 | US Pipe & Foundry |
| 8" VALVE | NO. | 4 | 5 | |
| 12" WATER | L.F. | 1405 | 1463 | US Pipe & Foundry |
| 12" VALVE | NO. | 1 | 1 | A&P Water & Sewer S. |
| PIPE HYDRANT | NO. | 4 | 4 | A&P Water & Sewer S. |
| 12" S.F. VALVE & SPAYER | EA. | 1 | 2 | A&P Water & Sewer S. |

| BENCH MARK DATA | |
|-------------------------------------|--------------|
| W.R.B.A. BM. NO. M-2 | ELEV. 342.88 |
| RAILROAD SPIKE IN 10" TWIN OAK | |
| 100' RIGHT OF STA. 3+30, P.L. 10+00 | |
| AND 002. | |

SEDIMENT CONTROL NOTES

- FOR SEDIMENT CONTROL FOR THIS CONTRACT SEE THE APPROVED ROAD CONSTRUCTION PLANS FOR FILE GP-84-89.
- MATERIAL FROM TRENCH EXCAVATION TO BE PLACED ON UPHILL SIDE OF TRENCH.
- 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.
- ANY SEDIMENT CONTROL FACILITIES ENCOUNTERED DURING PIPE CONSTRUCTION TO BE RETURNED TO ORIGINAL CONDITION IMMEDIATELY UPON COMPLETION OF THAT PORTION OF WORK.
- SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 16 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER ROAD CONSTRUCTION PLANS F-85-26

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

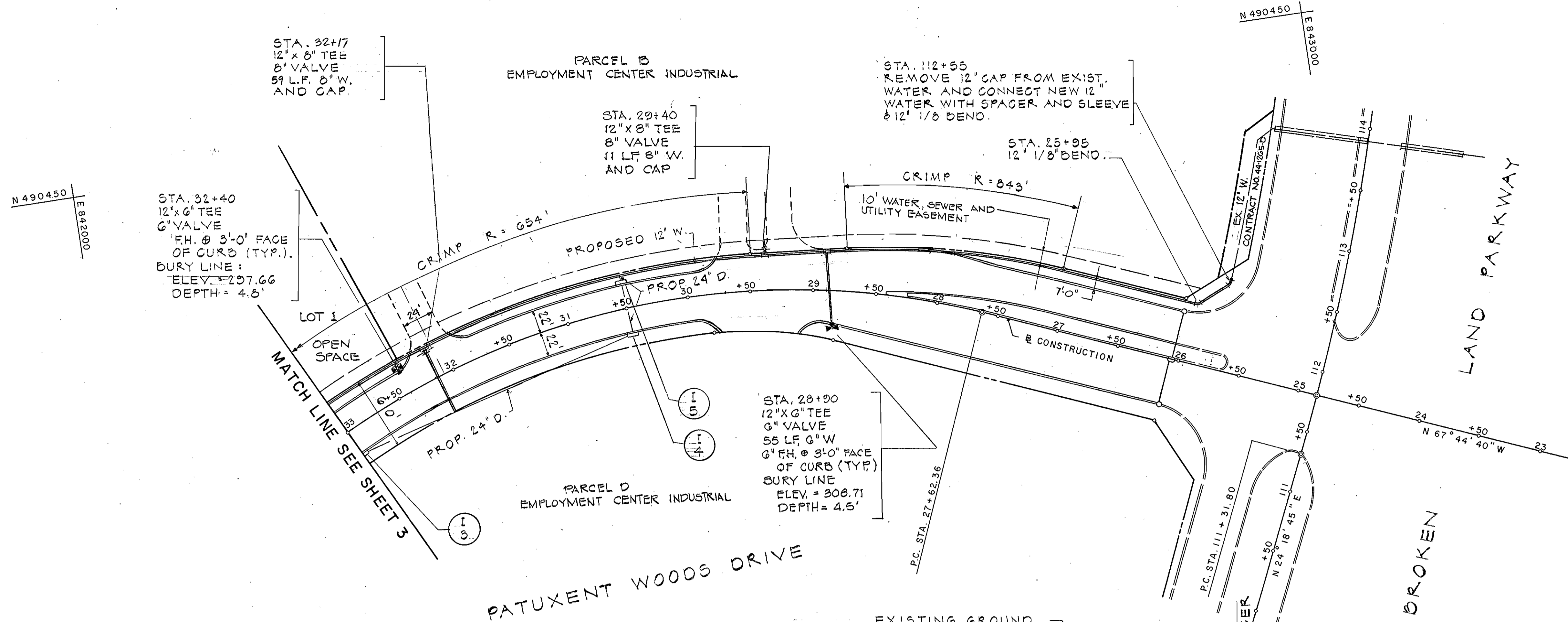
Stephen L. Fisher 10-24-84
HOWARD S.C.D. DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

James M. Wilson 10/24/84
U.S. SOIL CONSERVATION SERVICE DATE

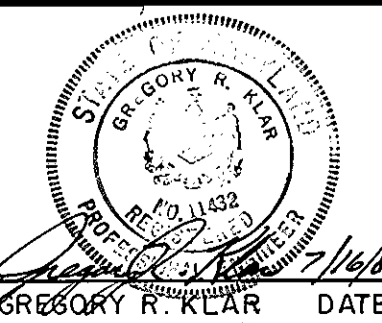
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|---|---|---|---|--|--|--|
| <p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>James M. Wilson</i> 10/31/84 DIRECTOR OF PUBLIC WORKS DATE</p> <p><i>Robert M. Bauman</i> 10/30/84 CHIEF BUREAU OF UTILITIES DATE</p> | <p>CENTURY ENGINEERING, INC. CONSULTING ENGINEERS PLANNERS</p> <p>32 WEST ROAD TOWSON, MARYLAND 21204 301-823-8070</p> <p><i>Gregory R. Klar</i> 7/16/84 DATE</p> | <p>DES: P.D.C.</p> <p>DRN: P.D.C.</p> <p>CHK: F.T.</p> <p>DATE: 7-16-84</p> | <p>BY NO. REVISION</p> <p>DNT 3 CHANGE PARCEL LINES/EXTEND CUL-DE-SAC/RELOC.F.H. 4-16-91</p> <p>GPZ 2 ADD PARCEL No. TO VICINITY MAP 2-20-85</p> <p>AEB 1 Changed Note 5 in Part III from G145 to G5.51. 11/30/84</p> | <p>12" WATER MAIN & 8" SANITARY SEWER PLAN AND PROFILE</p> <p>600' SCALE MAP NO. BLOCK NO.</p> | <p>VILLAGE OF OWEN BROWN SECTION 6, AREA 1 CONTRACT NO. 24-1295-D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> | <p>SCALE AS SHOWN SHEET 1 OF 5</p> |
|---|---|---|---|--|--|--|

1295-WFS/2



CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS PLANNERS

32 WEST ROAD
TOWSON, MARYLAND 21204
301-823-8070



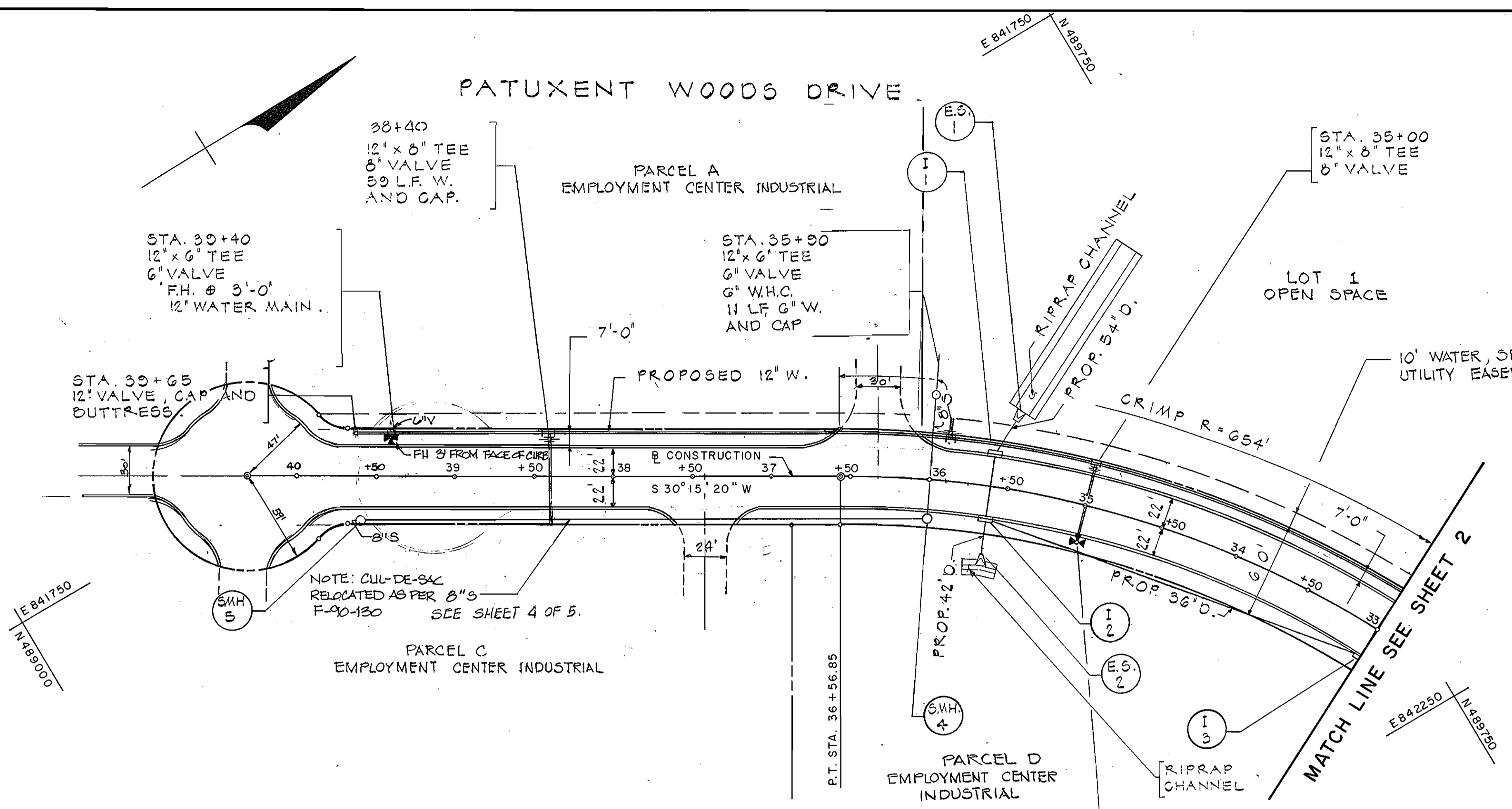
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|---------------|--|--|--|
| DES: P.D.C. | | | |
| DRN: P.D.C. | | | |
| CHK: F.T. | | | |
| DATE: 7-16-84 | | | |
| BY: NO. | | | |
| REVISION | | | |

**12" WATER MAIN
PLAN AND PROFILE**

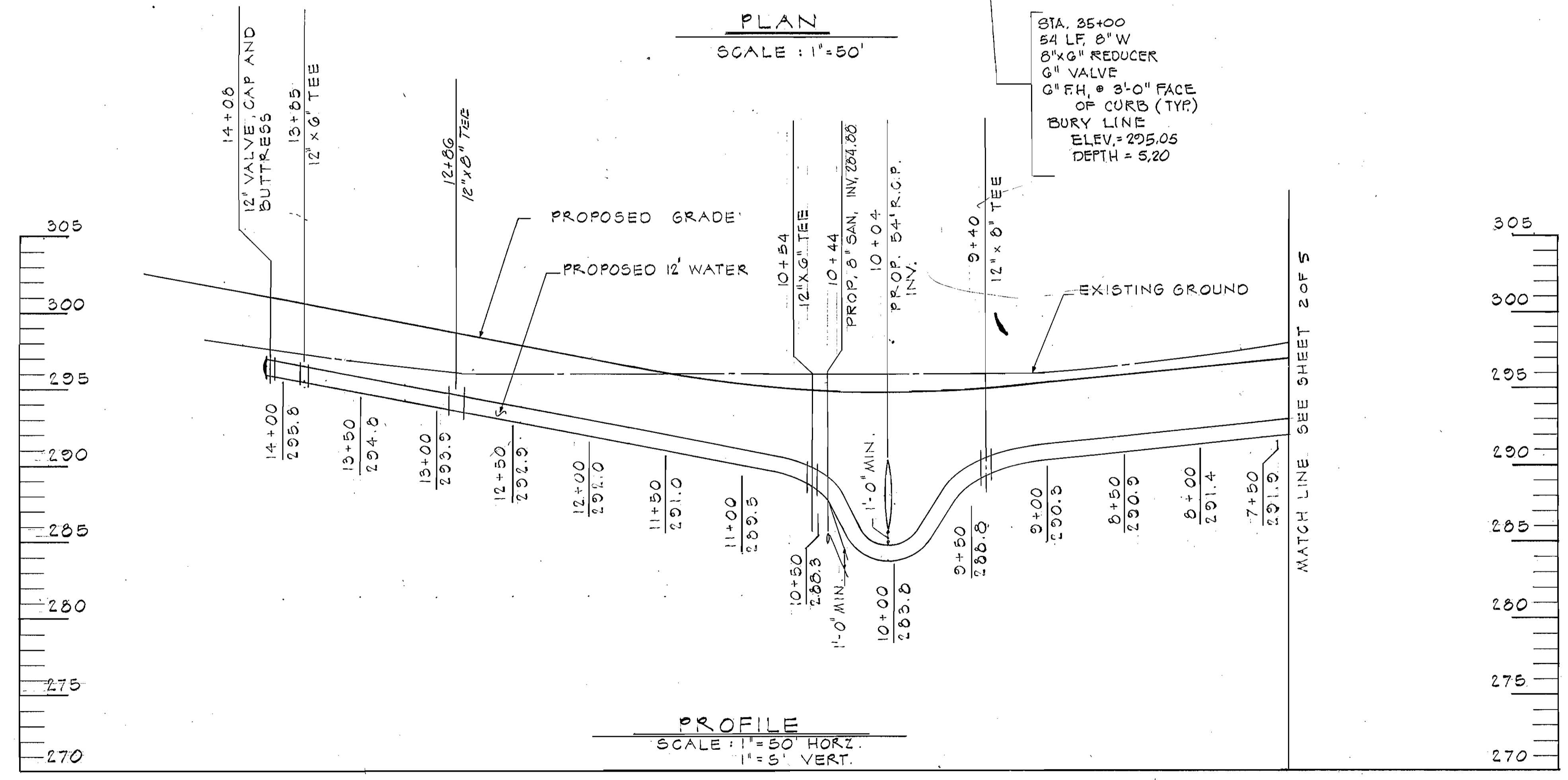
RELOCATE FIRE HYDRANT STA. 28+90, SHOW ENTRANCES

VILLAGE OF OWEN BROWN
SECTION 6, AREA 1
CONTRACT NO. 24-1295-D
6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 5



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=6' VERT.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
DIRECTOR OF PUBLIC WORKS - DATE

[Signature]
CHIEF - BUREAU OF ENGINEERING - DATE

[Signature]
CHIEF - BUREAU OF UTILITIES - DATE

[Signature]
CHIEF - LAND DEVELOPMENT DIVISION - DATE

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS PLANNERS

32 WEST ROAD
TOWSON, MARYLAND 21204
301-823-8070

[Signature]
GREGORY R. KLAR DATE

| | | | | |
|---------------|-------|---|---------|--|
| DES: P.D.C. | | | | |
| DRN: P.D.C. | | | | |
| CHK: F.T. | | | | |
| DATE: 7-16-84 | | | | |
| BY NO. | DJT 2 | EXTEND CUL-DE-SAC / RELOCATE FH | 4-16-91 | |
| | GBZ 1 | FIRE HYDRANT DELETE & ADD, SHOW PROP ENTRANCE | 2-28-84 | |
| | | REVISION | | |

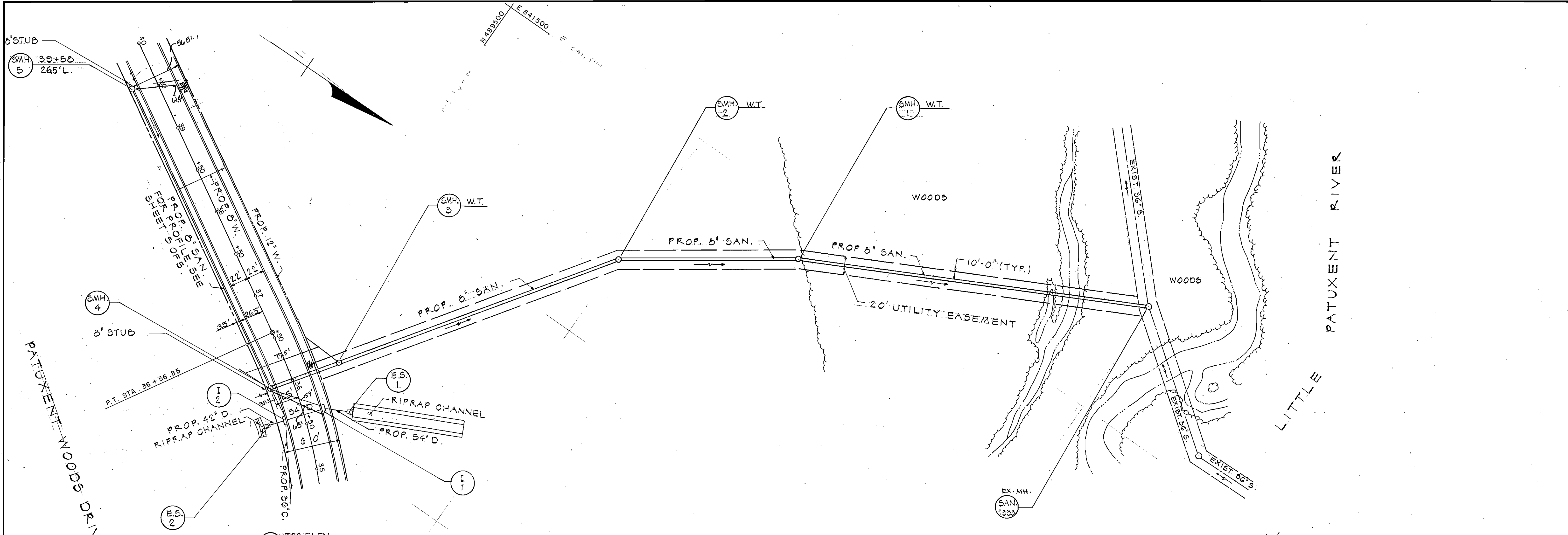
**12" WATER MAIN
PLAN AND PROFILE**

DATE: 600' SCALE MAP NO. _____ BLOCK NO. _____

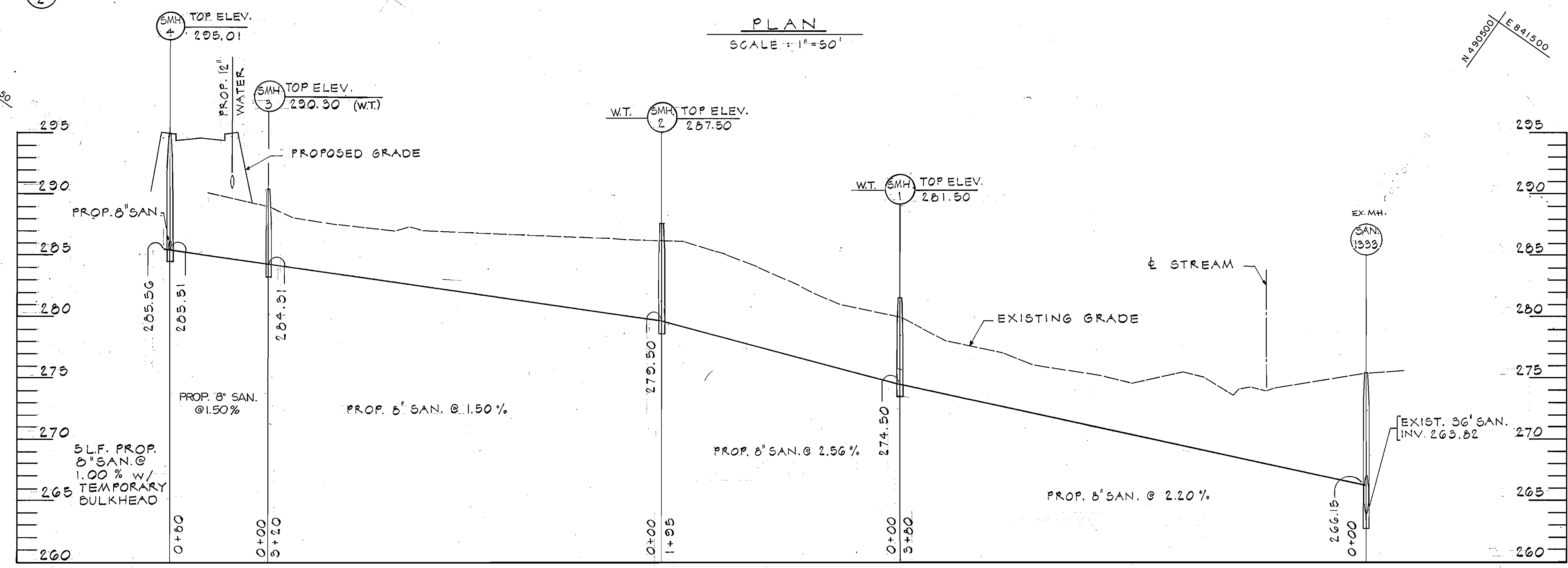
VILLAGE OF OWEN BROWN
SECTION 6, AREA 1
CONTRACT NO. 24-1295-D
6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 5

BRUNING 44-132 53864



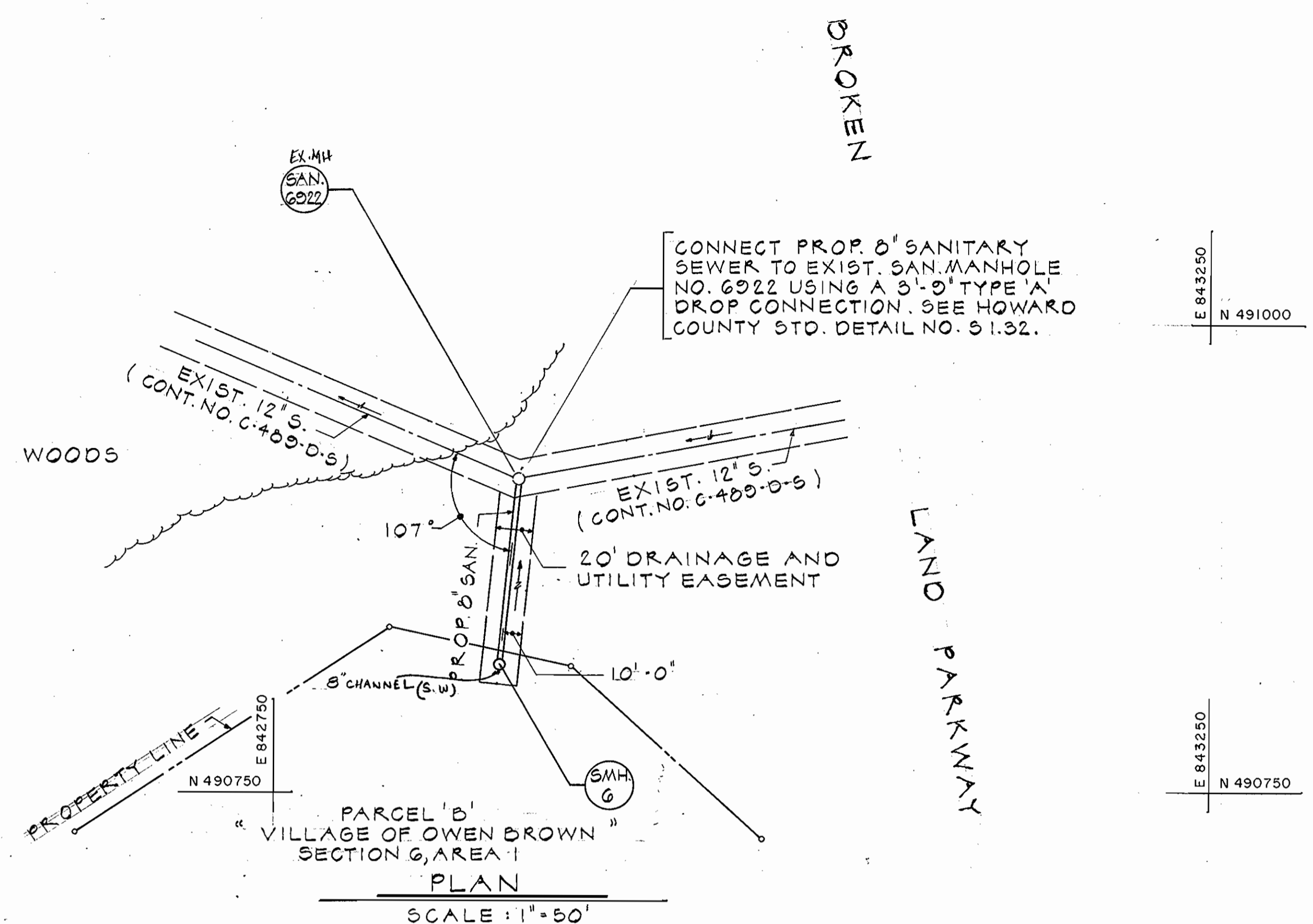
PLAN
SCALE: 1"=50'



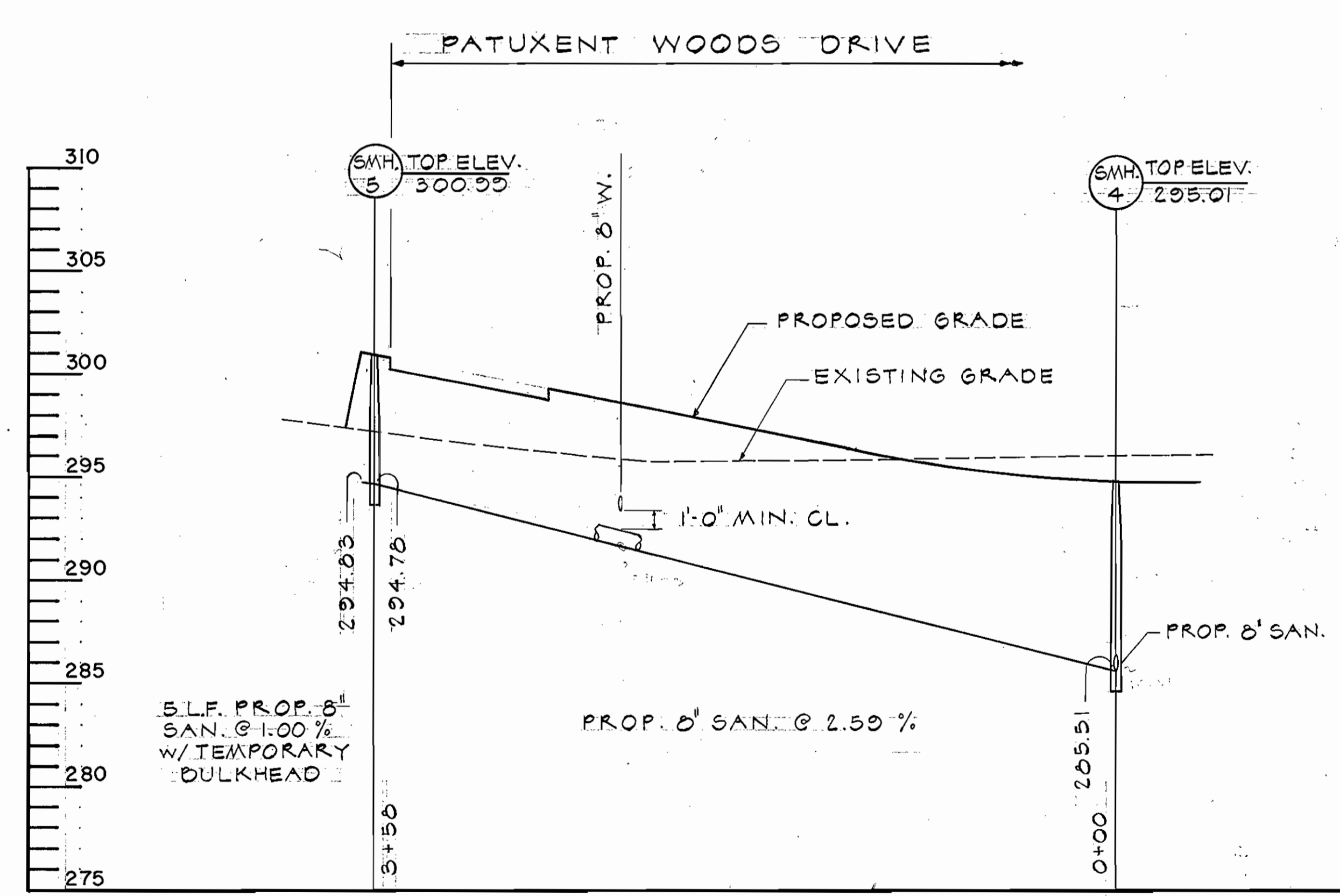
SANITARY SEWER PROFILE
1"=50' HORIZ., 1"=5' VERT.

| | | | | | | | | |
|--|--|--|-------------|--|--|--|---|----------------|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DIRECTOR OF PUBLIC WORKS CHIEF - BUREAU OF UTILITIES | CENTURY ENGINEERING, INC. CONSULTING ENGINEERS PLANNERS 32 WEST ROAD TOWSON, MARYLAND 21204 301-823-8070 | | DES: P.D.C. | | | 8" SANITARY SEWER PLAN AND PROFILE | VILLAGE OF OWEN BROWN SECTION 6, AREA 1 CONTRACT NO. 24-1295-D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND | SCALE AS SHOWN |
| | | | DRN: P.D.C. | | | | | DATE: 7-16-84 |

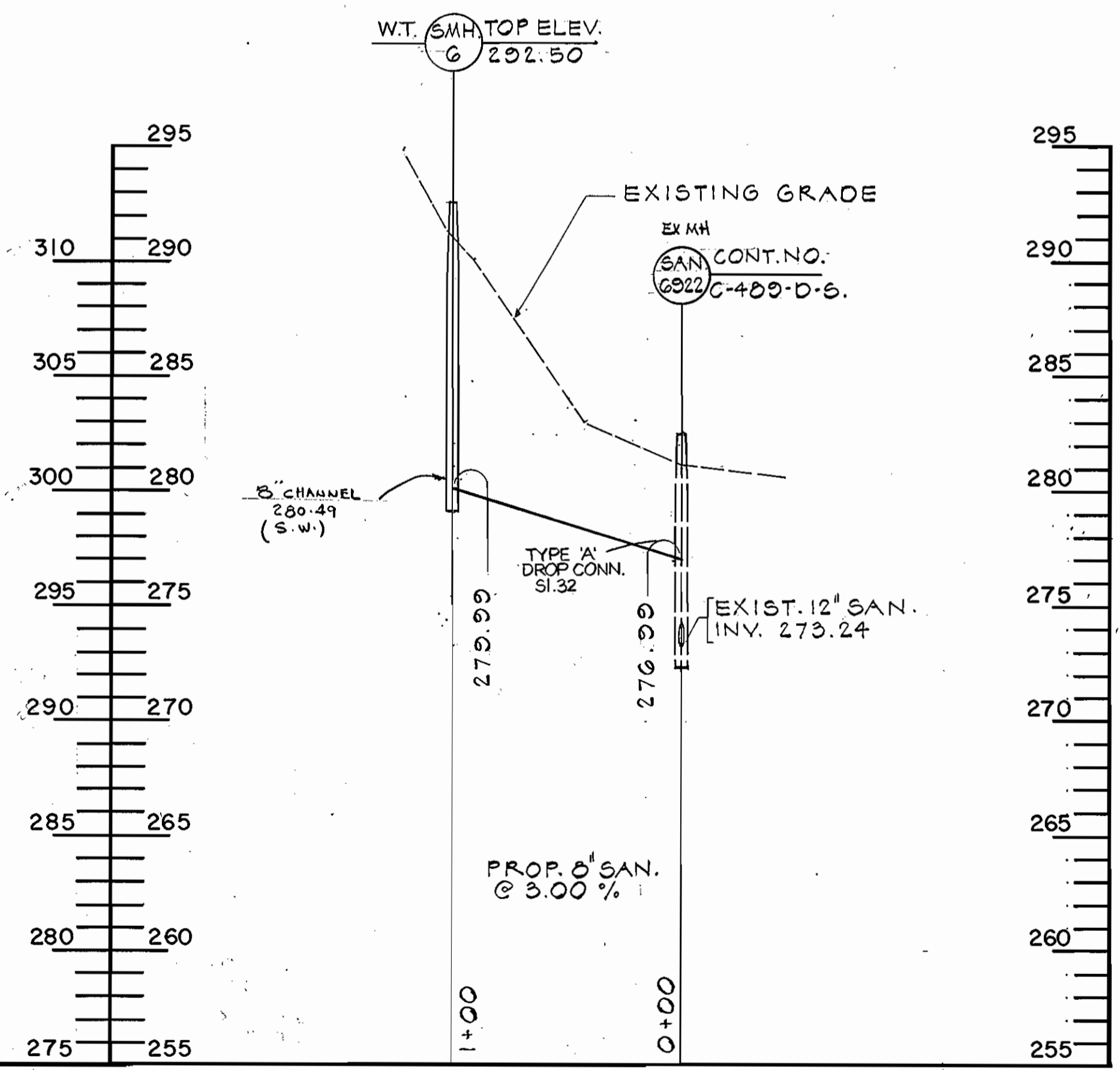
AS-BUILT 7-22-86



PARCEL 'D'
VILLAGE OF OWEN BROWN
SECTION 6, AREA 1
PLAN
SCALE: 1" = 50'



SANITARY PROFILE
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.



SANITARY PROFILE
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

| | | | | | | | |
|--|--|---|----------------|---|---------------------------------------|--|----------------|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works Chief - Bureau of Utilities | CENTURY ENGINEERING, INC. CONSULTING ENGINEERS PLANNERS 32 WEST ROAD TOWSON, MARYLAND 21204 301 - 823 - 8070 Chief - Bureau of Engineering Chief - Land Development Division | STATE OF MARYLAND PROFESSIONAL ENGINEER REG. NO. 11482 R. KLAR | DES: P.D.C. | | 8" SANITARY SEWER PLAN AND PROFILE | VILLAGE OF OWEN BROWN SECTION 6, AREA 1 CONTRACT NO. 24-1295-D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND | SCALE AS SHOWN |
| | | | DRN: P.D.C. | | | | SHEET 5 OF 5 |
| | | | CHK: F.T. | | | | |
| | | | DATE: A.E.B. 1 | PROVIDED TYPE 'A' DROP CONN. AT EX. MH 6922 | 11/30/84 | | |
| | | | BY NO. | REVISION | DATE | 600' SCALE MAP NO. | BLOCK NO. |