

| SHEET INDEX | |
|-------------|-----------------------------------|
| NO. | DESCRIPTION |
| 1 | WATER AND SEWER TITLE SHEET |
| 2 | PLAN OF WATER AND SEWER MAINS |
| 3 | PROFILES OF WATER AND SEWER MAINS |
| 4 | PROFILES OF WATER AND SEWER MAINS |

SEWER AS-BUILT

| FROM: | TO: | DIST. | FROM: | TO: | DIST. | FROM: | TO: | DIST. |
|---------------|--------|-------|--------|--------|-------|-------|--------|-------|
| MH 24 | Lot 29 | 28' | MH 17 | Lot 47 | 28' | MH 9 | Lot 48 | 60' |
| 4 DRAIN VAULT | Lot 29 | 41' | F.H. 2 | Lot 47 | 80' | MH 10 | Lot 48 | 117' |
| MH 24 | Lot 30 | 21' | MH 17 | Lot 19 | 33' | MH 9 | Lot 50 | 98' |
| 4 DRAIN VAULT | Lot 30 | 23' | F.H. 2 | Lot 19 | 42' | MH 10 | Lot 50 | 77' |
| MH 24 | Lot 28 | 80' | MH 17 | Lot 49 | 162' | MH 9 | Lot 51 | 129' |
| 4 DRAIN VAULT | Lot 28 | 85' | MH 18 | Lot 49 | 37' | MH 10 | Lot 51 | 48' |
| MH 24 | Lot 27 | 73' | MH 23 | Lot 24 | 63' | MH 9 | Lot 52 | 185' |
| 4 DRAIN VAULT | Lot 27 | 73' | MH 25 | Lot 24 | 43' | MH 10 | Lot 52 | 43' |
| MH 21 | Lot 35 | 42' | MH 23 | Lot 25 | 77' | MH 9 | Lot 1 | 107' |
| MH 20 | Lot 36 | 183' | MH 25 | Lot 25 | 30' | MH 10 | Lot 1 | 53' |
| MH 21 | Lot 34 | 14' | MH 25 | Lot 23 | 118' | MH 9 | Lot 2 | 24' |
| MH 20 | Lot 34 | 135' | MH 25 | Lot 23 | 16' | MH 10 | Lot 2 | 147' |
| MH 21 | Lot 33 | 69' | MH 23 | Lot 22 | 119' | | | |
| MH 20 | Lot 33 | 78' | MH 25 | Lot 22 | 18' | | | |
| MH 20 | Lot 32 | 11' | MH 7 | Lot 14 | 70' | | | |
| MH 19 | Lot 32 | 23' | MH 6 | Lot 14 | 55' | | | |
| MH 16 | Lot 31 | 58' | MH 3 | Lot 13 | 29' | | | |
| MH 15 | Lot 31 | 80' | MH 6 | Lot 13 | 93' | | | |
| MH 15 | Lot 26 | 43' | MH 3 | Lot 12 | 37' | | | |
| F.H. 3 | Lot 26 | 48' | MH 6 | Lot 12 | 85' | | | |
| MH 16 | Lot 36 | 43' | MH 3 | Lot 11 | 23' | | | |
| MH 15 | Lot 36 | 86' | MH 4 | Lot 11 | 36' | | | |
| MH 16 | Lot 37 | 33' | MH 4 | Lot 5 | 95' | | | |
| MH 15 | Lot 37 | 86' | MH 5 | Lot 5 | 38' | | | |
| MH 16 | Lot 38 | 25' | MH 4 | Lot 10 | 71' | | | |
| MH 15 | Lot 33 | 83' | MH 5 | Lot 10 | 50' | | | |
| MH 16 | Lot 39 | 38' | MH 4 | Lot 9 | 33' | | | |
| MH 15 | Lot 33 | 74' | MH 5 | Lot 9 | 38' | | | |
| MH 16 | Lot 40 | 145' | MH 602 | Lot 8 | 40' | | | |
| MH 26 | Lot 40 | 75' | MH 1 | Lot 8 | 11' | | | |
| MH 16 | Lot 41 | 134' | MH 1 | Lot 4 | 73' | | | |
| MH 26 | Lot 41 | 88' | MH 2 | Lot 4 | 43' | | | |
| MH 15 | Lot 42 | 63' | MH 1 | Lot 3 | 120' | | | |
| F.H. 3 | Lot 42 | 52' | MH 2 | Lot 3 | 10' | | | |
| MH 14 | Lot 43 | 18' | MH 6 | Lot 7 | 111' | | | |
| F.H. 3 | Lot 43 | 93' | MH 8 | Lot 7 | 57' | | | |
| MH 13 | Lot 44 | 95' | MH 8 | Lot 6 | 40' | | | |
| MH 12 | Lot 44 | 57' | MH 9 | Lot 6 | 85' | | | |
| F.H. 2 | Lot 45 | 56' | MH 7 | Lot 15 | 109' | | | |
| MH 12 | Lot 45 | 18' | MH 6 | Lot 15 | 35' | | | |
| F.H. 2 | Lot 20 | 43' | MH 6 | Lot 16 | 70' | | | |
| MH 12 | Lot 20 | 18' | MH 8 | Lot 16 | 105' | | | |
| F.H. 2 | Lot 21 | 88' | MH 8 | Lot 17 | 55' | | | |
| MH 12 | Lot 21 | 64' | F.H. 1 | Lot 17 | 100' | | | |
| MH 17 | Lot 46 | 40' | MH 8 | Lot 18 | 58' | | | |
| F.H. 2 | Lot 46 | 45' | F.H. 1 | Lot 18 | 10' | | | |

HOWARD SOIL CONSERVATION DISTRICT:
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS

Chief, Bureau of Utilities
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

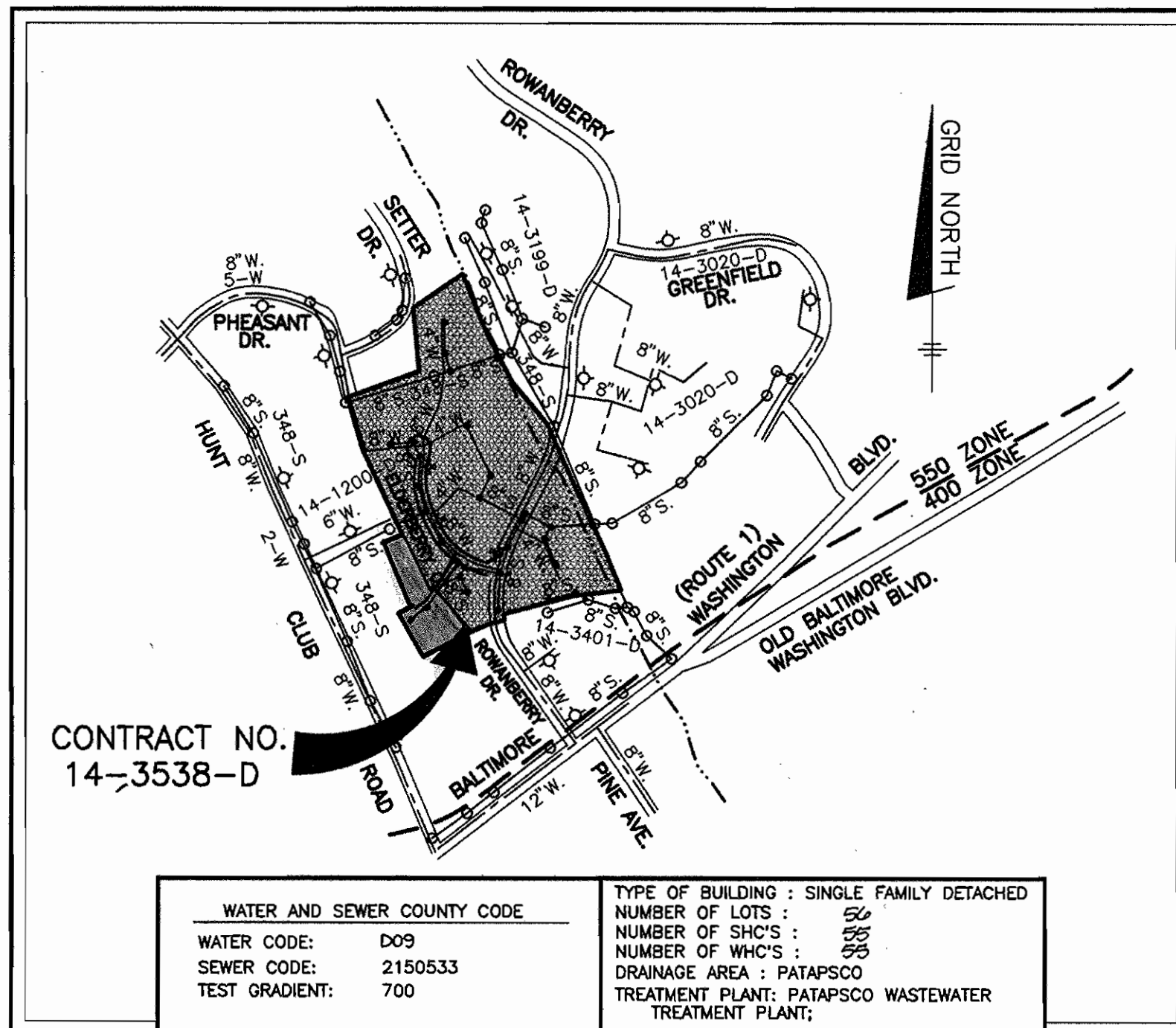
John R. Roberts
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE
IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE
HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER
ROAD CONSTRUCTION PLANS F-97-18

| ITEM | QUANTITIES ESTIMATED | AS-BUILT | | |
|------------------|----------------------|------------|----------------------|----------------------------|
| | | QUANTITIES | TYPE | MANUFACTURER/SUPPLIER |
| 3" WATER | 2323 LF | 2326 LF | DIP | Atlantic States |
| 6" WATER | 1489 LF | 1472 LF | DIP | Atlantic States |
| 8" VALVES | 3 | 3 EA. | CAST IRON/GATE VALVE | Muelter Co. |
| 4" VALVES | 3 | 3 EA. | CAST IRON/GATE VALVE | Muelter Co. |
| 1 1/2" DRAIN | 5 | 6 EA. | "K" COPPER | Reading Tube |
| FIRE HYDRANTS | 3 | 3 EA. | CAST IRON | Muelter Co. |
| 4" PLUG/BUTTRISS | 4 | 4 EA. | DIP | Union Foundry |
| 1/4" WHC | 227 LF | 787 LF | "K" COPPER | Reading Tube |
| 1/4" WHC ABOVE | 44 LF | 406 LF | "K" COPPER | Reading Tube |
| 30" V.P. | 30 | 30 | | |
| 2" REDUCER | 1 | 1 EA. | DIP | Union Foundry |
| 1 1/2" REDUCER | 1 | 1 EA. | DIP | Union Foundry |
| 1" REDUCER | 1 | 1 EA. | DIP | Union Foundry |
| 6" SEWER (PVC) | 2292 LF | 2041 LF | PVC | JM Manufacturing |
| 8" DIP | 592 LF | 592 LF | DIP | Atlantic States |
| MANHOLES | 27 | 26 EA. | PRECAST CONCRETE | Atlantic Concrete Products |
| 4" SPC | 1104 LF | 1116 LF | PVC & DIP | JM Manufacturing |
| 4" SPC | 40 LF | 40 LF | PVC | JM Manufacturing |
| 4" SPC | 1 | 1 EA. | PRECAST CONCRETE | Atlantic Concrete Products |

NAME OF UTILITY CONTRACTOR:
SURVEY AND DRAWING AS-BUILT DATE: 11-13-97

DUBIN PROPERTY WATER AND SEWER CONSTRUCTION PLANS CONTRACT NO. 14-3538-D



| | |
|-----------------------------|---|
| WATER AND SEWER COUNTY CODE | TYPE OF BUILDING : SINGLE FAMILY DETACHED |
| WATER CODE: D09 | NUMBER OF LOTS : 98 |
| SEWER CODE: 2150533 | NUMBER OF SHC'S : 98 |
| TEST GRADIENT: 700 | NUMBER OF WHC'S : 27 |
| | DRAINAGE AREA : PATAPSCO |
| | TREATMENT PLANT: PATAPSCO WASTEWATER TREATMENT PLANT; |

BENCH MARKS
HORIZONTAL: NAD 83
HOWARD COUNTY CONC. MON. 3805
N. 558,378.59 E. 1,386,524.19
HOWARD COUNTY CONC. MON. 3806
N. 557,155.46 E. 1,384,992.26
VERTICAL: NAD 27
HOWARD COUNTY CONC. MON. 2546004
ELEVATION 131.816

VICINITY MAP
SCALE: 1" = 600'

WATER AS-BUILT

| FROM: | TO: | DIST. | FROM: | TO: | DIST. | FROM: | TO: | DIST. | FROM: | TO: | DIST. | FROM: | TO: | DIST. |
|-------------|--------|-------|-------------|--------|-------|---------------|--------|-------|---------------|--------|-------|-------------|--------|-------|
| MH 7 | Lot 15 | 82' | MH 25 | Lot 24 | 10' | MH 9 | Lot 52 | 156' | MH 5 | Lot 5 | 36' | MH 19 | Lot 33 | 100' |
| MH 6 | Lot 15 | 48' | 4 1/2" B.O. | Lot 24 | 40' | MH 10 | Lot 52 | 37' | 4 DRAIN VAULT | Lot 5 | 33' | MH 20 | Lot 33 | 90' |
| MH 6 | Lot 16 | 102' | MH 25 | Lot 25 | 45' | MH 9 | Lot 51 | 150' | MH 5 | Lot 9 | 27' | MH 14 | Lot 42 | 49' |
| MH 8 | Lot 16 | 75' | 4 1/2" B.O. | Lot 25 | 27' | MH 10 | Lot 51 | 38' | 4 DRAIN VAULT | Lot 9 | 43' | MH 15 | Lot 42 | 78' |
| MH 6 | Lot 17 | 106' | F.H. 3 | Lot 26 | 37' | MH 9 | Lot 50 | 107' | MH 5 | Lot 10 | 60' | 4 1/2" B.O. | Lot 34 | 44' |
| MH 8 | Lot 17 | 71' | MH 15 | Lot 26 | 38' | MH 10 | Lot 50 | 69' | MH 4 | Lot 10 | 58' | MH 14 | Lot 43 | 44' |
| MH 11 | Lot 18 | 69' | MH 24 | Lot 27 | 35' | MH 9 | Lot 48 | 75' | MH 5 | Lot 11 | 64' | 4 1/2" B.O. | Lot 35 | 48' |
| MH 17 | Lot 18 | 58' | 4 1/2" B.O. | Lot 27 | 25' | MH 10 | Lot 48 | 99' | MH 4 | Lot 11 | 54' | MH 12 | Lot 44 | 46' |
| MH 11 | Lot 19 | 74' | MH 24 | Lot 28 | 17' | MH 9 | Lot 1 | 73' | MH 3 | Lot 12 | 68' | MH 15 | Lot 44 | 88' |
| MH 17 | Lot 19 | 55' | 4 1/2" B.O. | Lot 28 | 28' | MH 10 | Lot 1 | 87' | MH 4 | Lot 12 | 38' | MH 12 | Lot 45 | 42' |
| MH 12 | Lot 20 | 51' | MH 24 | Lot 29 | 32' | MH 9 | Lot 2 | 68' | F.H. 1 | Lot 7 | 77' | MH 17 | Lot 46 | 68' |
| F.H. 2 | Lot 20 | 74' | 4 1/2" B.O. | Lot 29 | 45' | MH 10 | Lot 2 | 92' | MH 8 | Lot 7 | 31' | MH 16 | Lot 46 | 135' |
| MH 12 | Lot 21 | 55' | MH 24 | Lot 30 | 33' | MH 9 | Lot 3 | 28' | F.H. 1 | Lot 6 | 73' | MH 15 | Lot 47 | 122' |
| F.H. 2 | Lot 21 | 79' | 4 1/2" B.O. | Lot 30 | 33' | F.H. 1 | Lot 3 | 71' | MH 8 | Lot 6 | 31' | MH 18 | Lot 47 | 77' |
| MH 25 | Lot 22 | 48' | MH 15 | Lot 31 | 130' | MH 1 | Lot 8 | 81' | MH 7 | Lot 13 | 80' | MH 16 | Lot 49 | 126' |
| 4 1/2" B.O. | Lot 22 | 16' | MH 16 | Lot 31 | 98' | MH 5 | Lot 8 | 63' | MH 6 | Lot 13 | 35' | MH 26 | Lot 49 | 73' |
| MH 25 | Lot 23 | 13' | MH 19 | Lot 32 | 98' | MH 5 | Lot 4 | 37' | MH 7 | Lot 14 | 78' | MH 16 | Lot 40 | 152' |
| 4 1/2" B.O. | Lot 23 | 38' | MH 20 | Lot 32 | 88' | 4 DRAIN VAULT | Lot 4 | 28' | MH 6 | Lot 14 | 52' | MH 26 | Lot 41 | 67' |

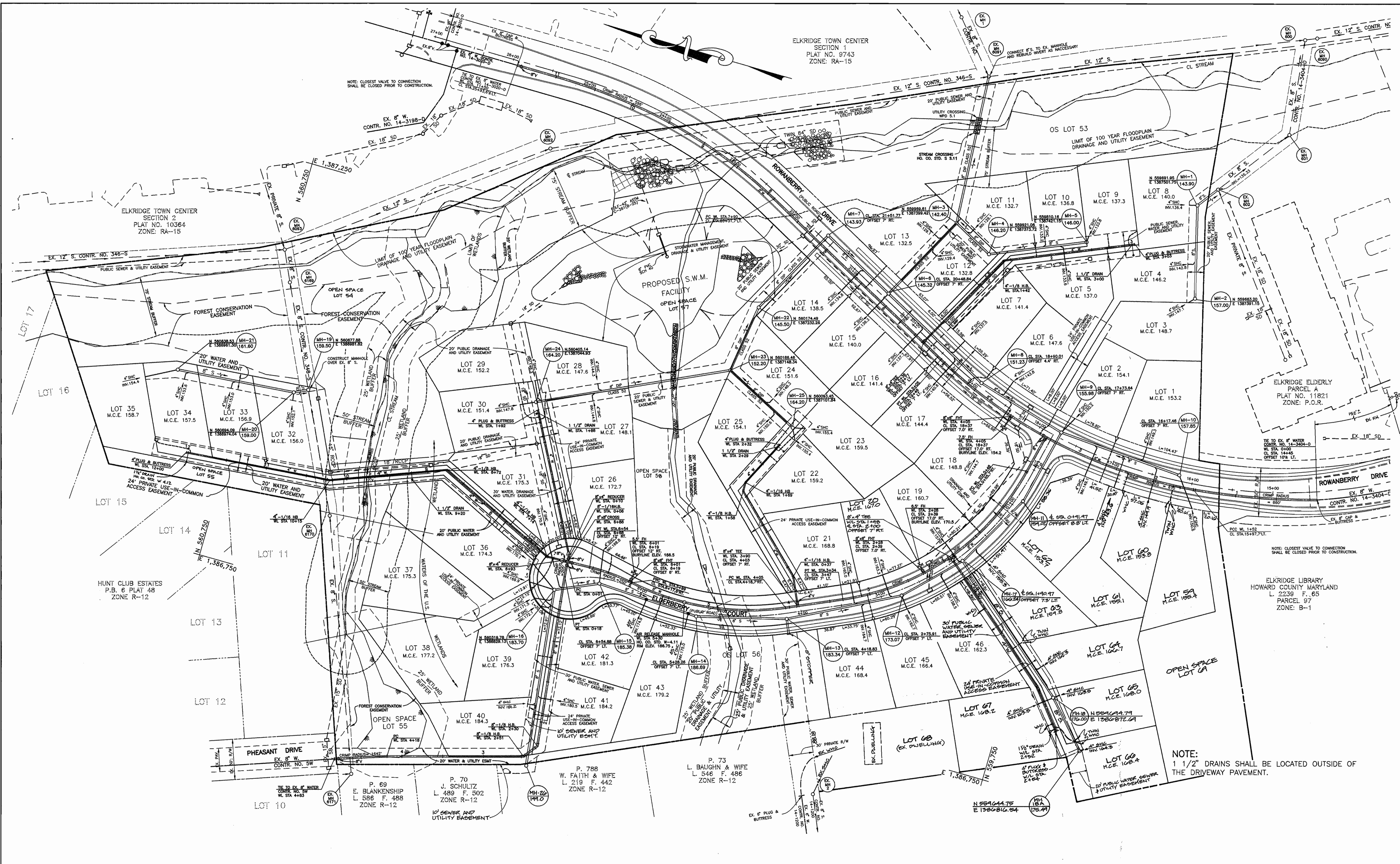
GENERAL NOTES

- PART 1 - GENERAL**
- 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 (NAD 83).
 - 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 UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S 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 VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL (S) AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION.....531-5533
 - BALTIMORE GAS & ELECTRIC CO.....850-4620
 - BALTIMORE GAS & ELECTRIC CO.....850-4620
 - UNDERGROUND DAMAGE CONTROL.....787-9068
 - MISS UTILITY.....1-800-257-7777
 - COLONIAL PIPELINE CO.....795-1390
 - BUREAU OF UTILITIES.....795-1390
 - HOWARD CO. DEPT. OF PUBLIC WORKS.....313-4900
 - 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.
 - PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORROWING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(g) OF THE HOWARD COUNTY CODE.

- PART 2 - WATER**
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
 - TOPS 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.
 - 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 LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

- PART 3 - SEWER**
- ALL SEWER MAINS SHALL BE DIP OR P.V.C. UNLESS OTHERWISE NOTED.
 - 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 FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATER TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1' - 0" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - HOUSES (S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

| | | | | | | | |
|--|---|--|--|---|--|--|--|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Robert S. Berman</i> CHIEF, BUREAU OF UTILITIES 1-14-97 DATE | DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>John R. Roberts</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION 1/24/97 DATE | TSA GROUP, INC. planning • architecture • engineering • surveying 8480 Baltimore National Pike Suite 418 Ellicott City, Maryland 21043 | DES: DAM/JCO DRN: JCO/DBT CHK: DAM DATE: 7-24-96 BY NO. 10-16-96 | REVISIONS REVISE VICINITY MAP, REV ESTIMATED B'S AND A'W IN QUANTITIES BOX 3-25-98 REVISE THE QUANTITY OF B'S IN THE QUANTITIES BOX 7-22-97 | WATER & SEWER TITLE SHEET 600 SCALE MAP NO. 38 BLOCKS 7 & 8 | DUBIN PROPERTY LOTS 1-69 1st ELECTION DISTRICT CONTRACT NO. 14-3538-D | SCALE AS SHOWN SHEET 1 OF 4 |
|--|---|--|--|---|--|--|--|



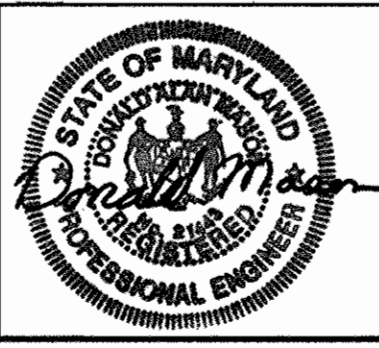
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Bainger 1/14/97
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Chief, Development Engineering Division 1/21/97
DATE

TSA GROUP, INC.
planning • architecture • engineering • surveying
8480 Baltimore National Pike Suite 418
Ellicott City, Maryland 21043



| | | | |
|-------|----------|--------|--|
| DES: | DAM/JCO | | |
| DRN: | JCO/DBT | | |
| CHK: | DAM | MCR | RELOCATE MH-11, 17, 18; RECONSTRUCT EX. LOTS 47, 52; CREATE LOT 60; ADD 24" W. ELDERBERRY CT. STA 2100 |
| DATE: | 7-24-96 | MCR | REMOVE 8" FROM ROAD R/W TO PL FROM MH-13; 7-22-97 |
| | 10-16-96 | BY NO. | RELOCATE MH-20 |

PLAN OF
WATER & SEWER MAINS

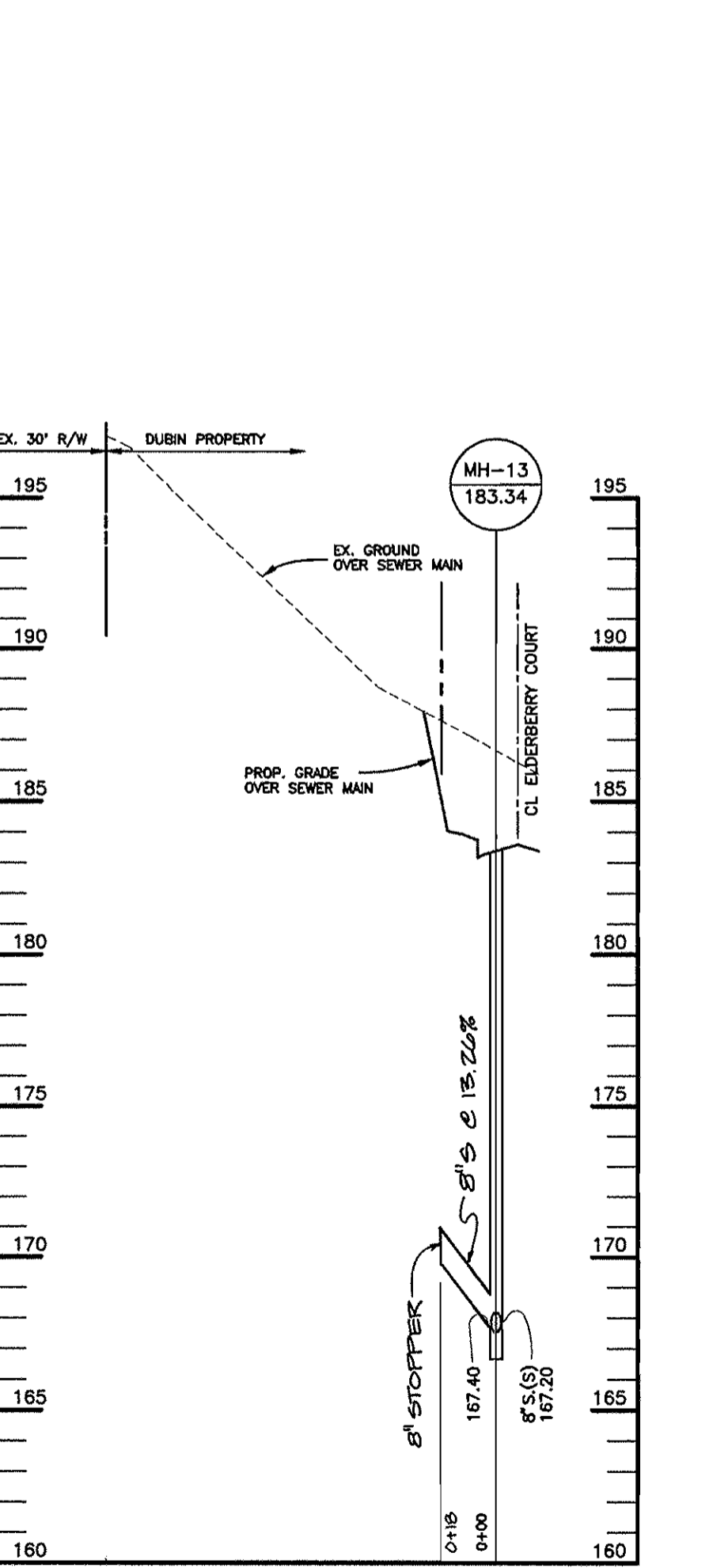
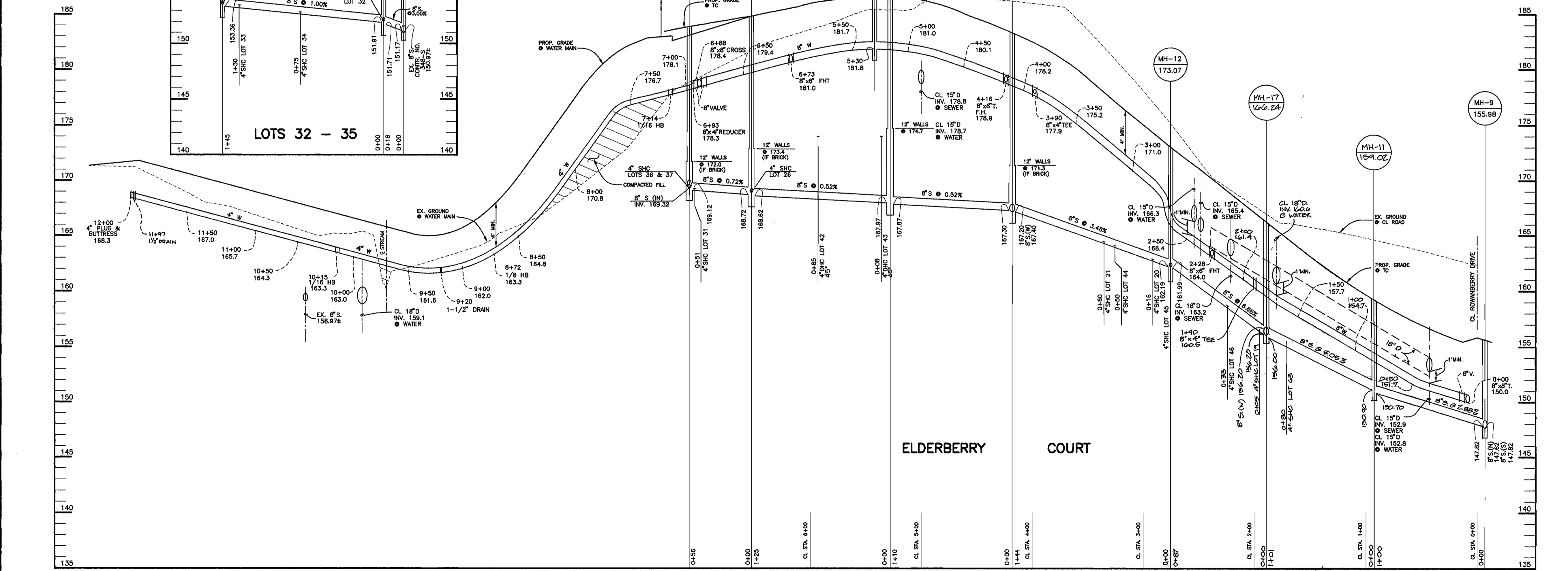
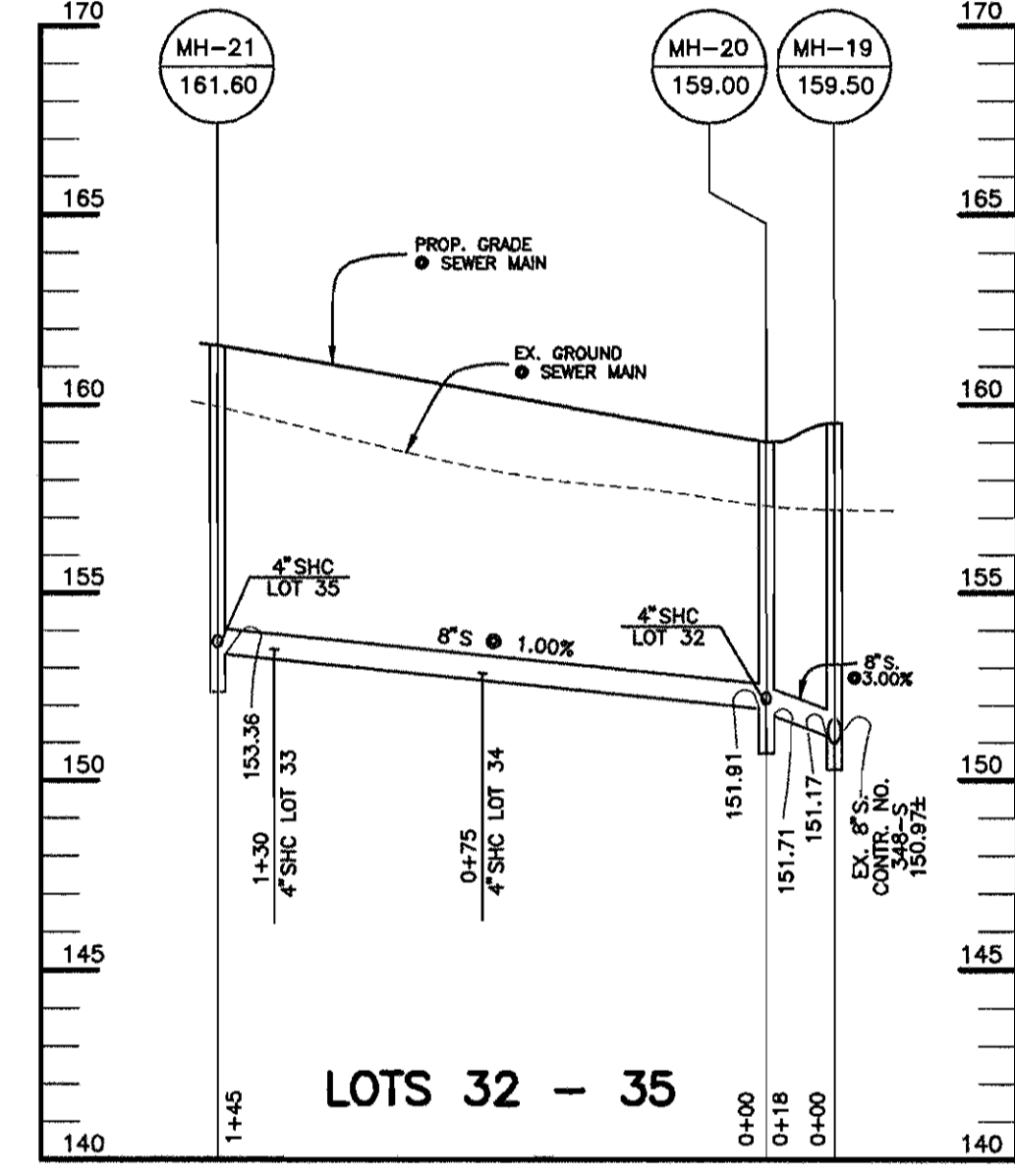
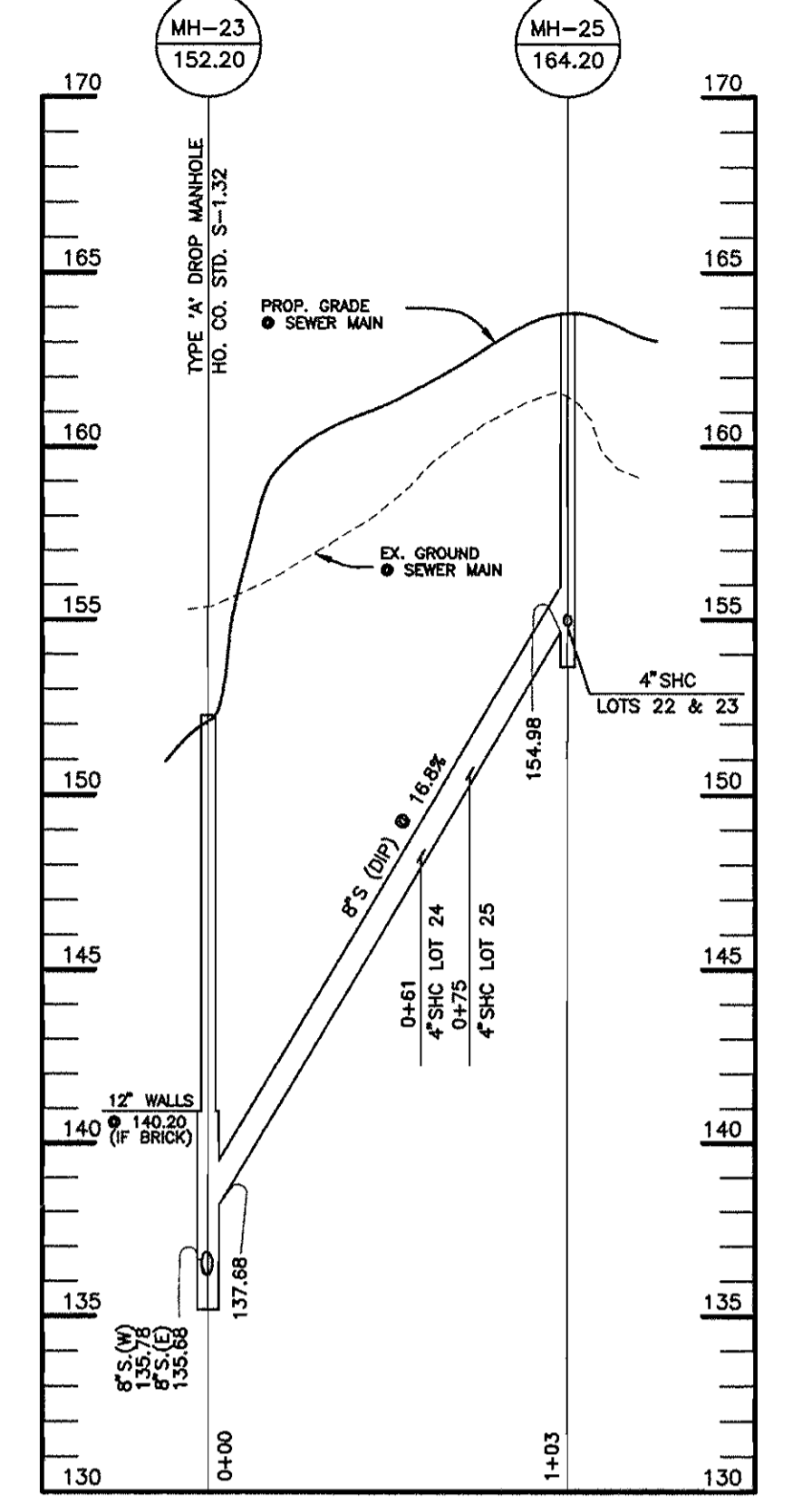
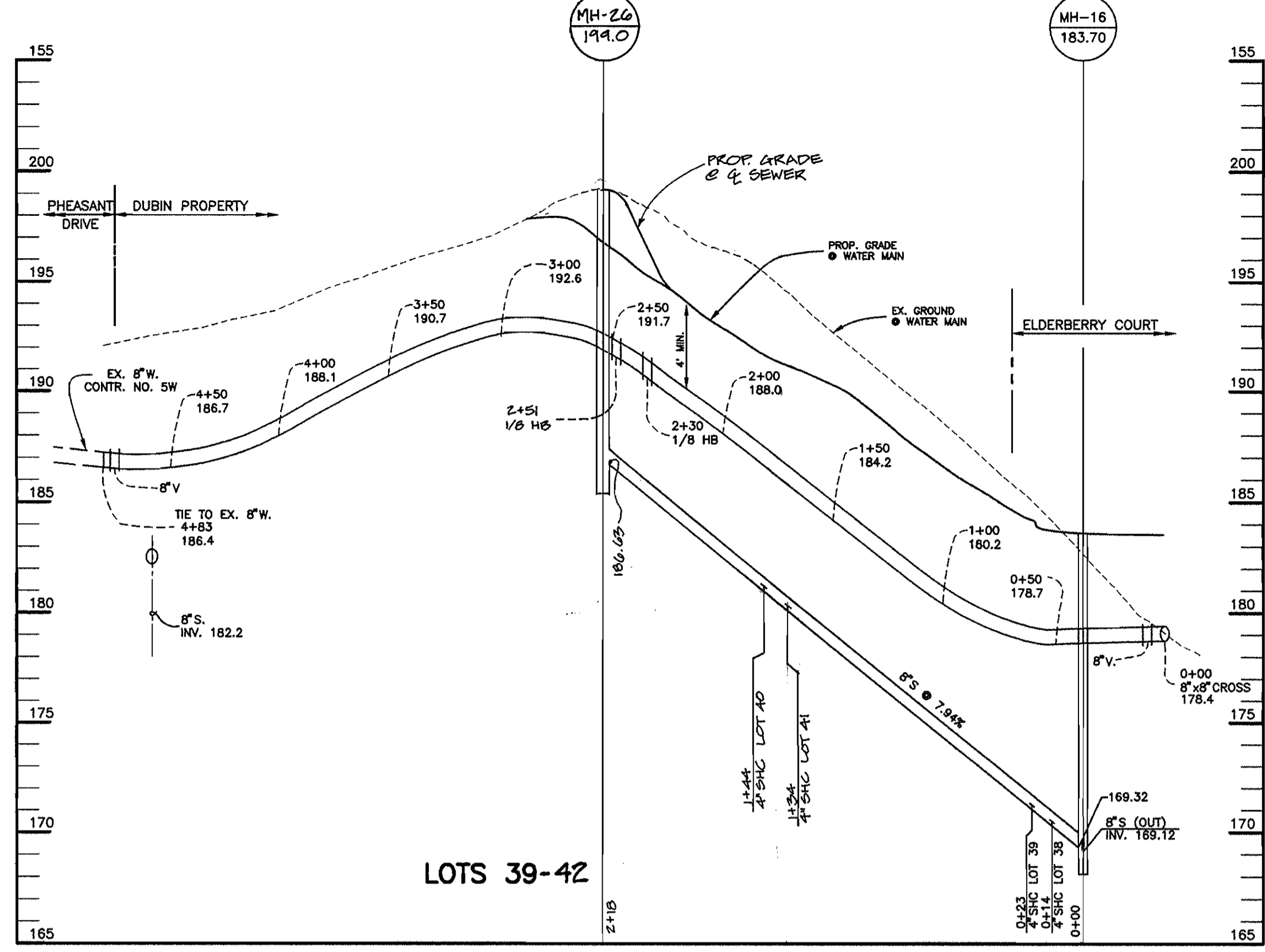
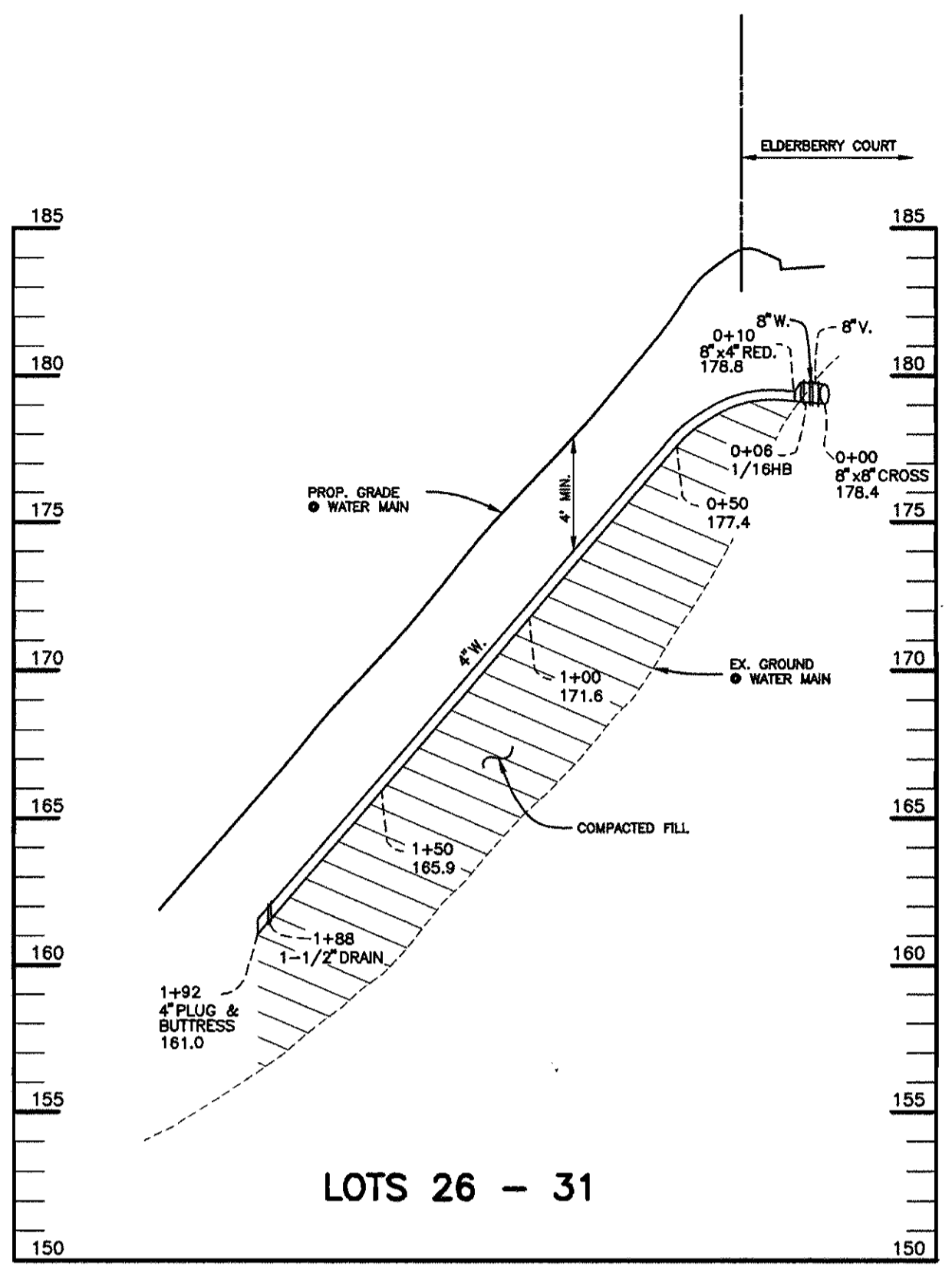
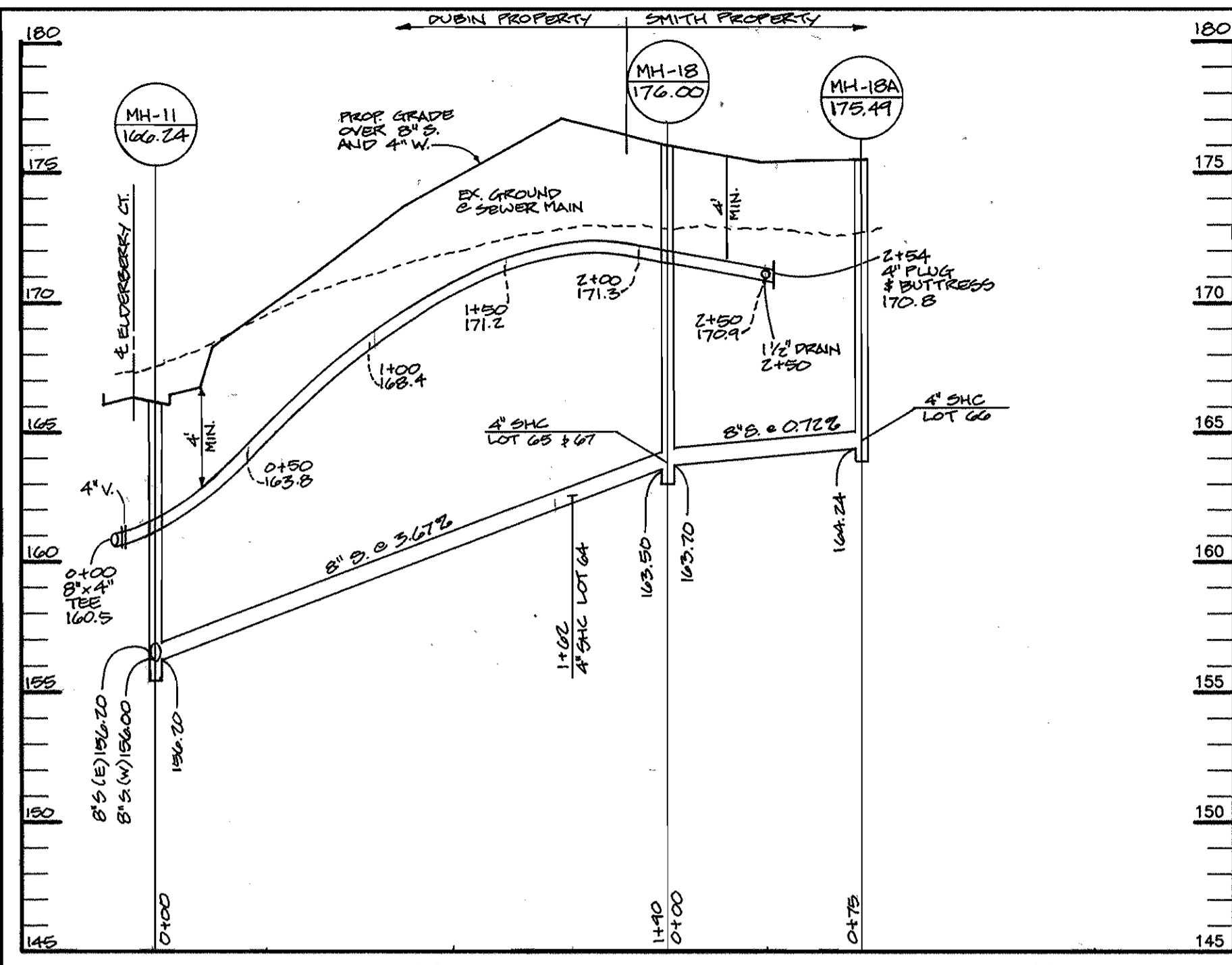
600 SCALE MAP NO. 38

BLOCKS 7 & 8

DUBIN PROPERTY
LOTS 1-69
1st ELECTION DISTRICT
CONTRACT NO. 14-3538-D

SCALE
1" = 50'

SHEET
2 OF 4



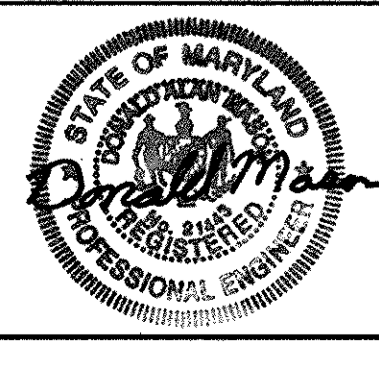
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert J. ...
1-14-99
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

...
DATE

TSA GROUP, INC.
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8480 Baltimore National Pike Suite 418
Ellicott City, Maryland 21043



| | |
|----------------|---------|
| DES: DAM/JCO | |
| DRN: JCO/DBT | |
| CHK: DAM | M.C.K. |
| DATE: 7-24-96 | BY: NO. |
| DATE: 10-16-96 | BY: NO. |

PROFILES OF
WATER & SEWER MAINS

600 SCALE MAP NO. 38

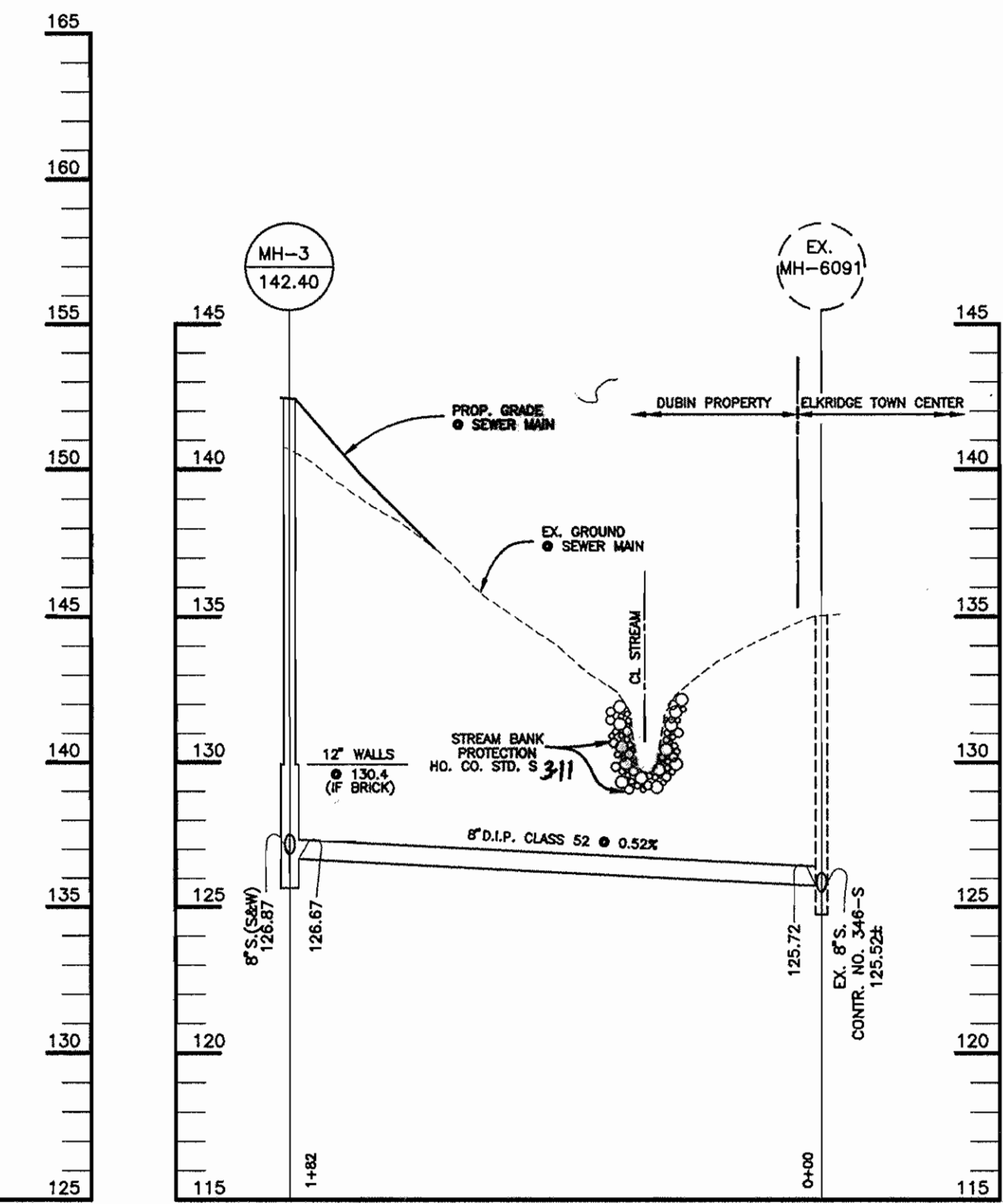
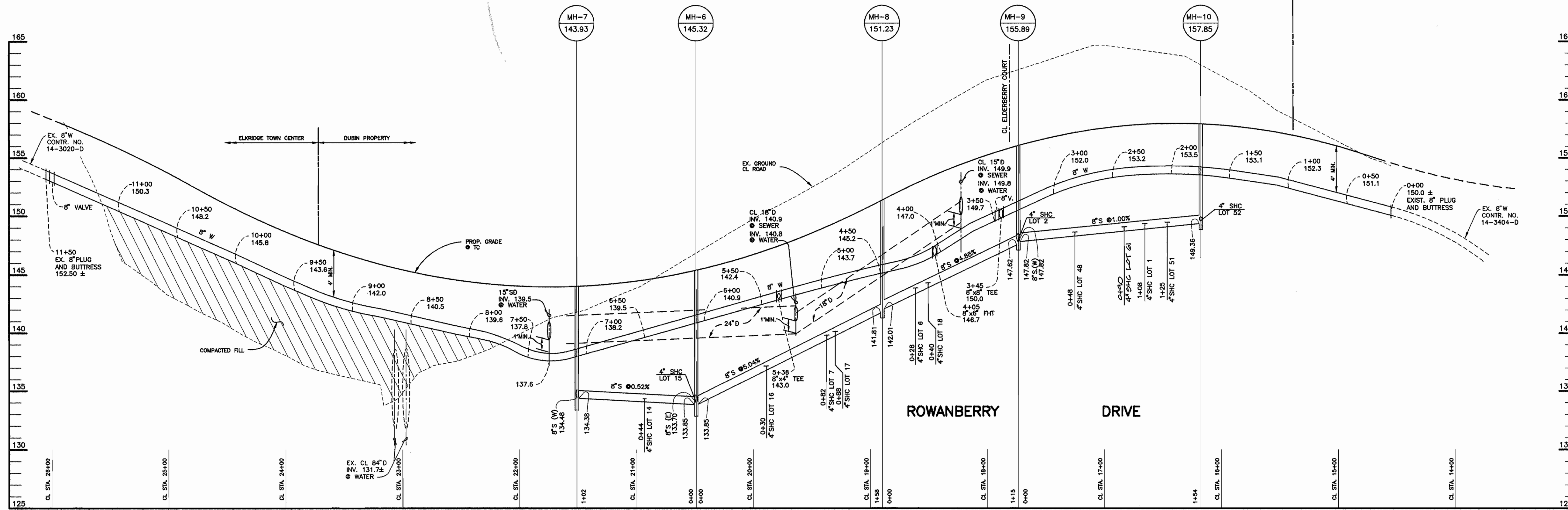
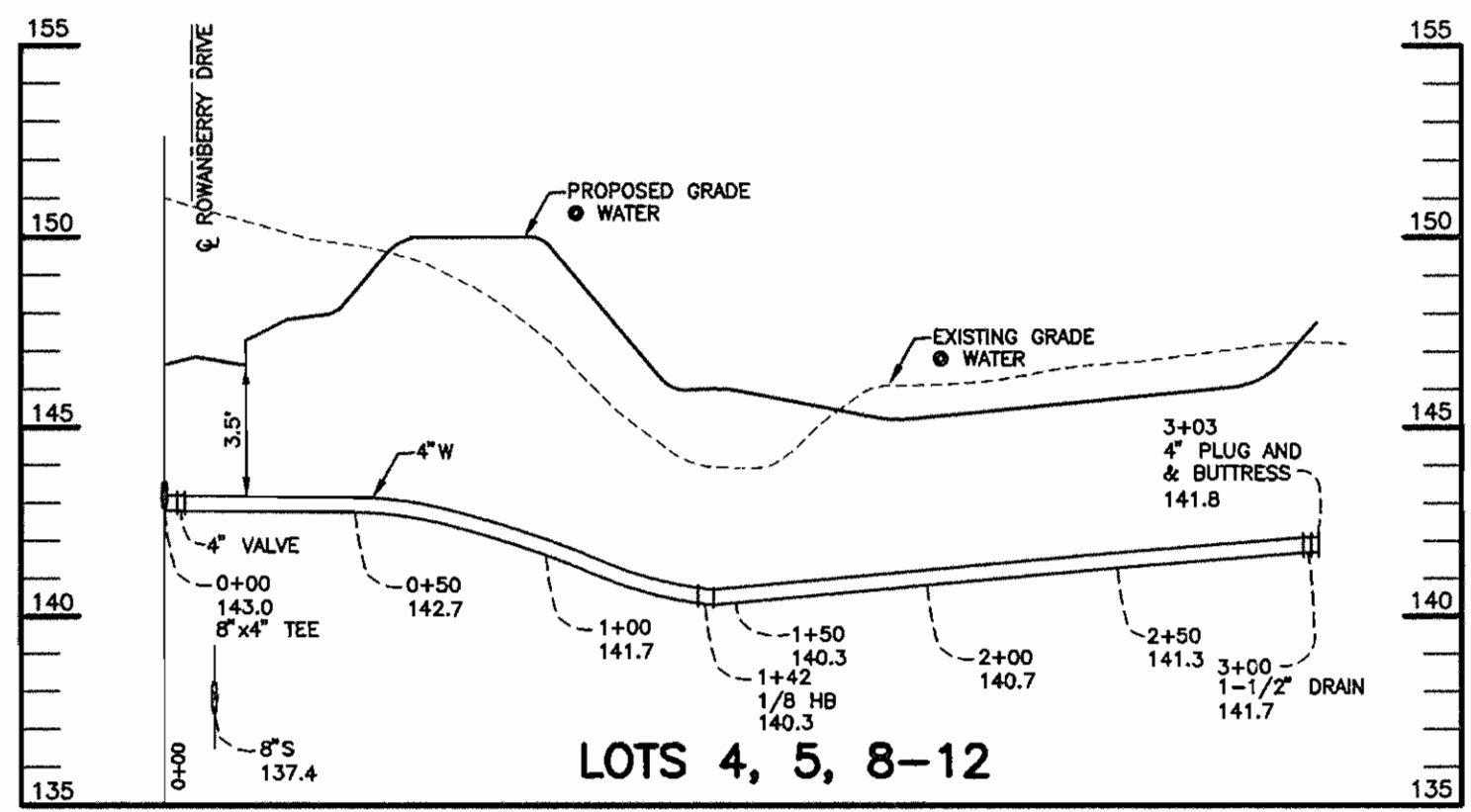
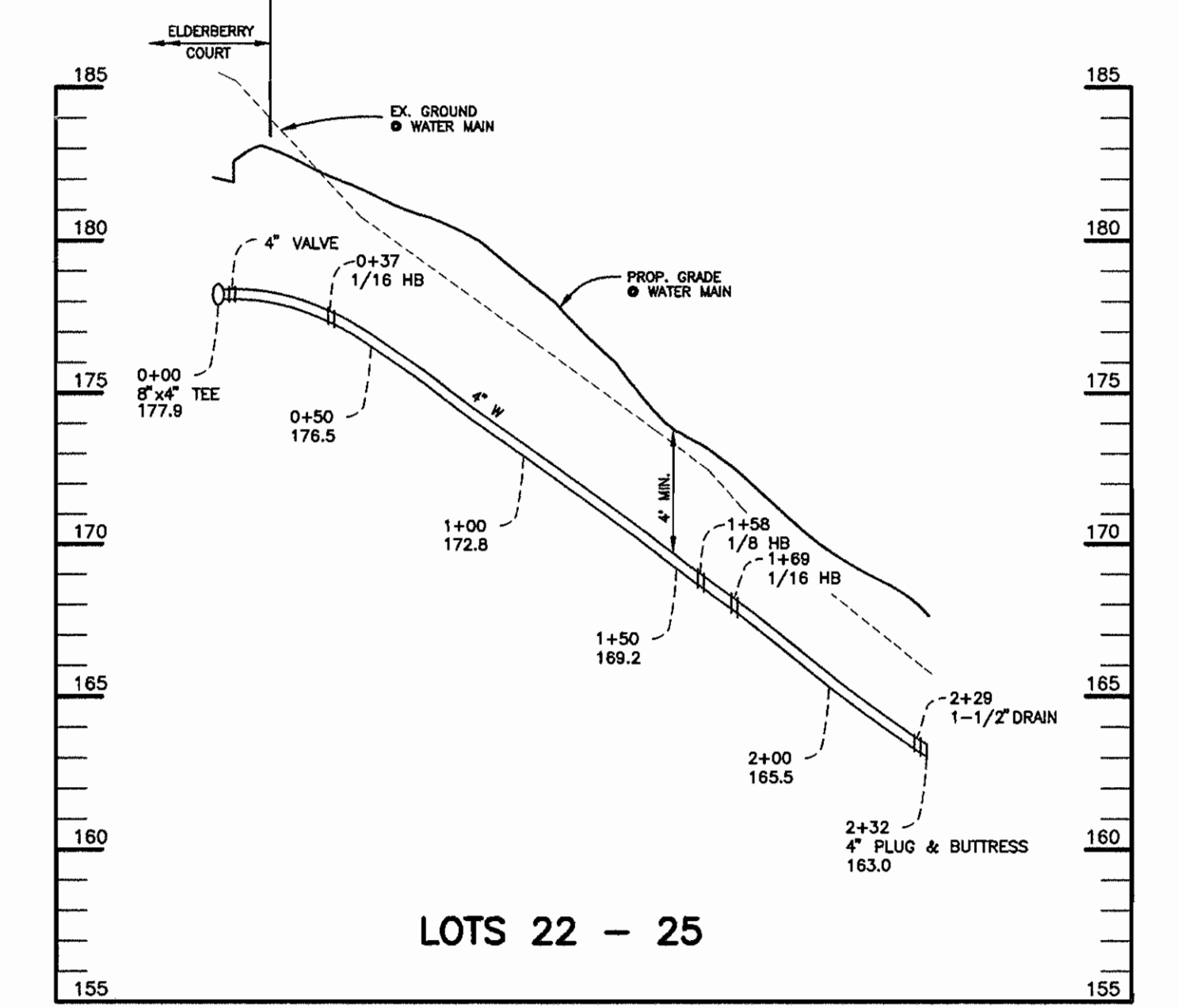
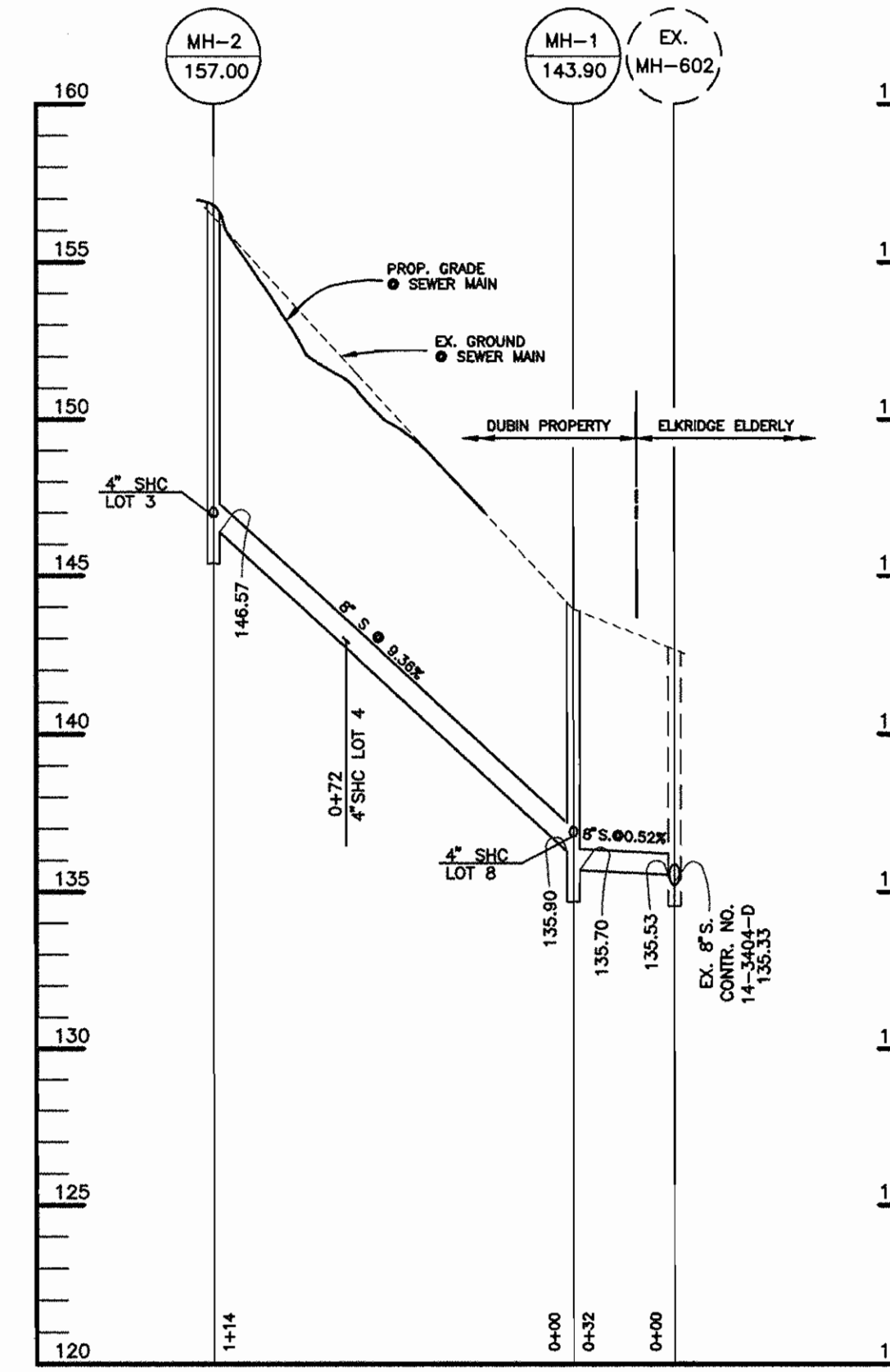
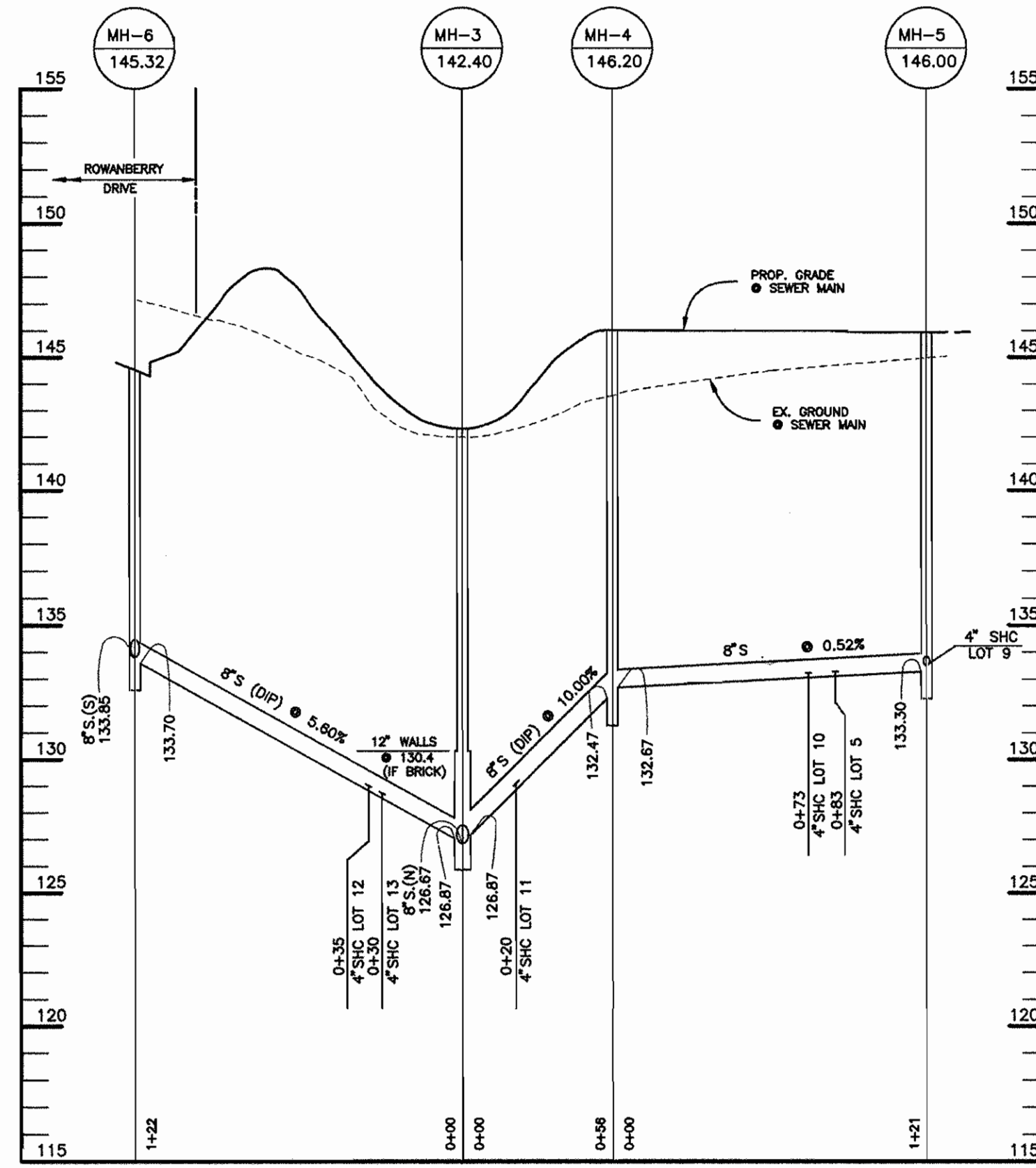
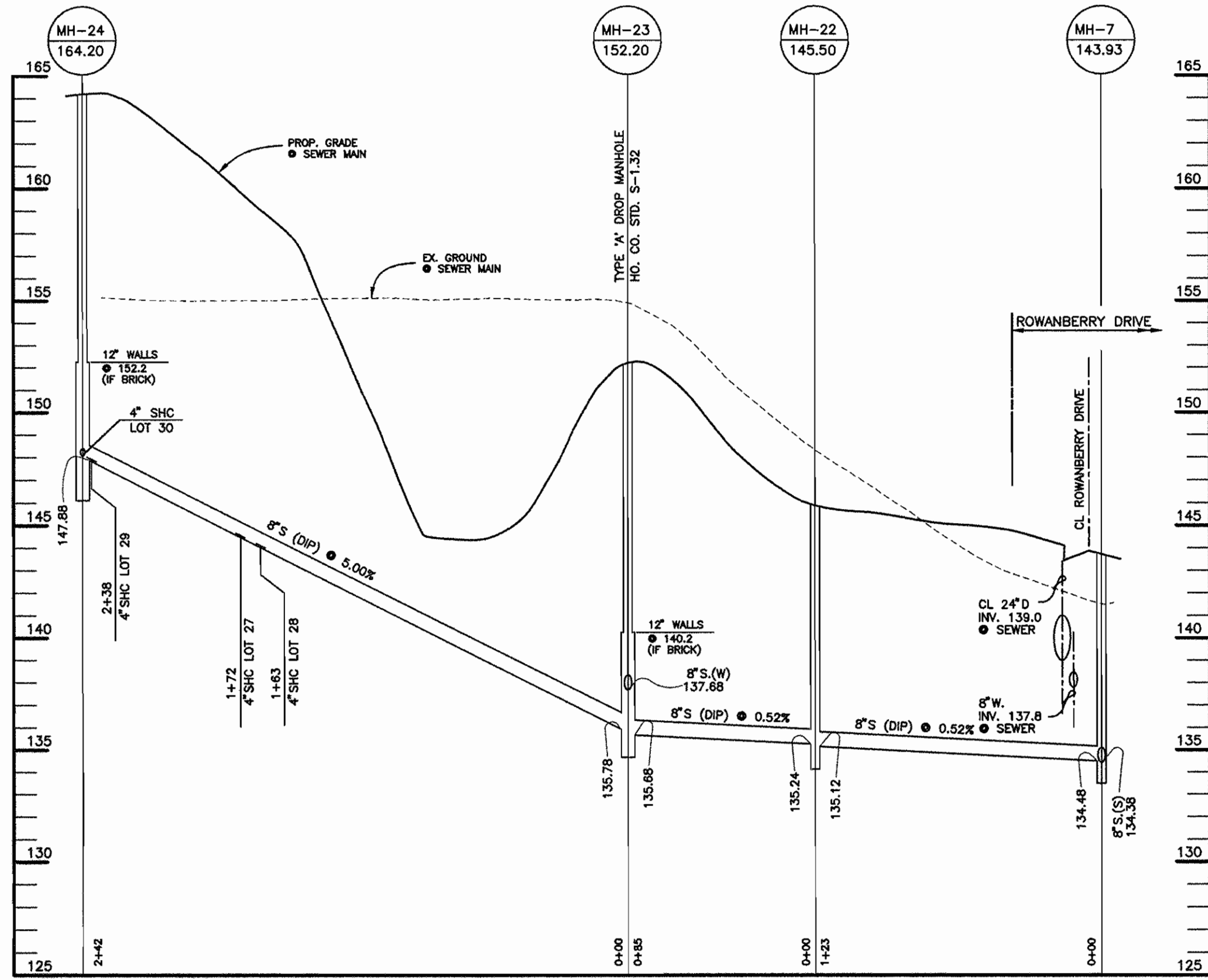
BLOCKS 7 & 8

DUBIN PROPERTY
LOTS 1-69
1st ELECTION DISTRICT

CONTRACT NO. 14-3538-D

SCALE
HOR.: 1"=50'
VERT.: 1"=5'

SHEET
3 OF 4



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

TSA GROUP, INC.

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Ellicott City, Maryland 21043



| | | | |
|-------|----------|-----|-----|
| DES: | DAM/JCO | | |
| DRN: | JCO/DBT | | |
| CHK: | DAM | | |
| DATE: | 7-24-96 | BY: | NO. |
| | 10-16-96 | | |

PROFILES OF
WATER & SEWER MAINS

600 SCALE MAP NO. 38
BLOCKS 7 & 8

DUBIN PROPERTY

LOTS 1-6A
1st ELECTION DISTRICT

CONTRACT NO. 14-3538-D

SCALE
HOR. 1"=50'
VERT. 1"=5'
SHEET
4 OF 4