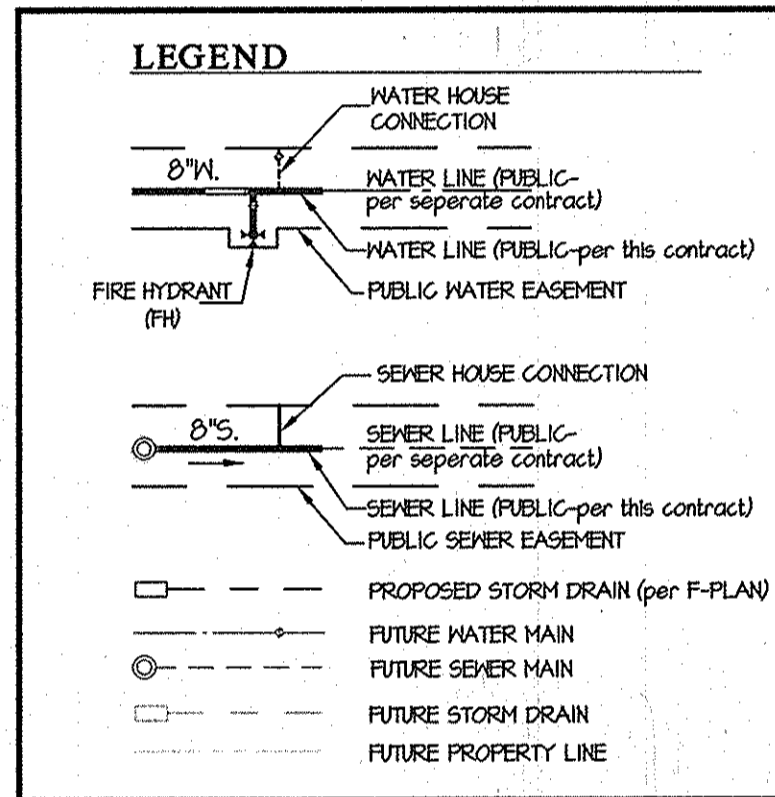


| ITEMS | QUANTITIES ESTIMATED | AS-BUILT | | |
|-----------------------|----------------------|--------------|------------------|---------------------------|
| | | QUANTITIES | TYPE | MANUFACTURER/SUPPLIER |
| 12" D.I.P. WATER MAIN | 853 L.F. | 860 L.F. | CLASS 54 | ATLANTIC STATES |
| 8" D.I.P. WATER MAIN | 1665 L.F. | 1626 L.F. | CLASS 54 | ATLANTIC STATES |
| 6" D.I.P. WATER MAIN | 20 L.F. | 20 L.F. | CLASS 54 | ATLANTIC STATES |
| 1" 1/2 NHC | 946 L.F. | 1074 L.F. | TYPE K | MUELLER INDUSTRIES |
| 12" VALVE | 4 EA. | 4 EA. | GATE | AMERICAN FLOW |
| 12"x12" TEE | 1 EA. | 1 EA. | M J | TYLER/UNION FOUNDRY |
| 12"x8" TEE | 2 EA. | 3 EA. | M J | TYLER/UNION FOUNDRY |
| 12" 1/16 HB | 1 EA. | 1 EA. | M J | TYLER/UNION FOUNDRY |
| FIRE HYDRANTS | 4 EA. | 4 EA. | CENTURION | MUELLER INDUSTRIES |
| 8" VALVE | 12 EA. | 12 EA. | GATE | AMERICAN FLOW |
| 8"x8" TEE | 4 EA. | 5 EA. | M J | TYLER/UNION FOUNDRY |
| 8" 1/16 HB | 4 EA. | 4 EA. | M J | TYLER/UNION FOUNDRY |
| 8" 1/32 HB | 1 EA. | 1 EA. | M J | TYLER/UNION FOUNDRY |
| 8"x6" FHT | 4 EA. | 4 EA. | M J | TYLER/UNION FOUNDRY |
| 6" VALVE | 4 EA. | 4 EA. | GATE | AMERICAN FLOW |
| 8" SEWER MAIN | 1960 L.F. | 1796 L.F. | SDR-35 | NORTH AMERICAN-DIAMOND |
| 4" PVC SHC | 1258 L.F. | 1244 L.F. | SDR-35 | NORTH AMERICAN |
| SEWER MANHOLES | 13 EA. | 13 EA. | | |

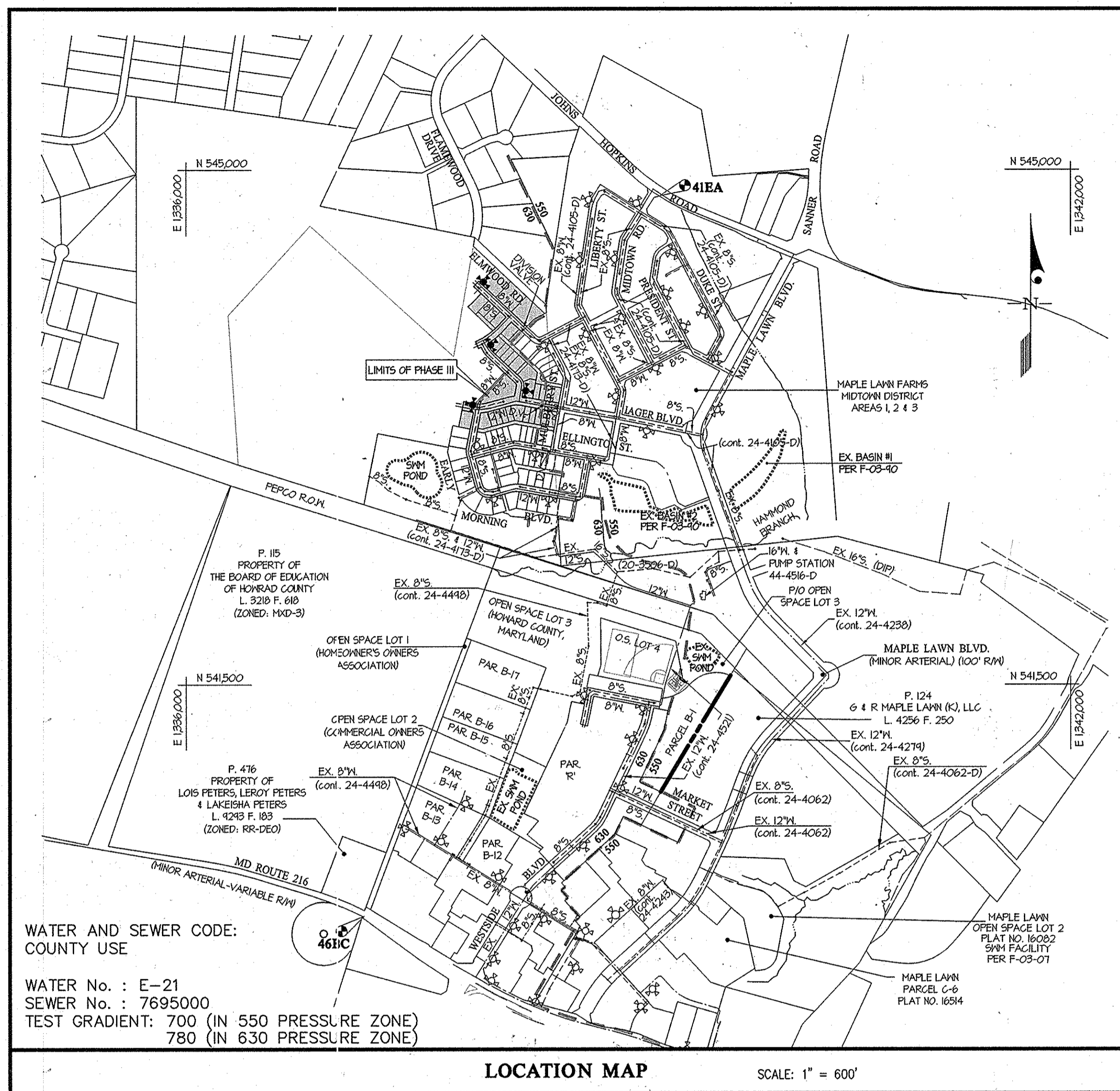
NAME OF UTILITY CONTRACTOR: **GRAY & SON**

SURVEY AND CHECKBOX: DRAFTING DIV. AS-BUILT DATE: **10-10-12**

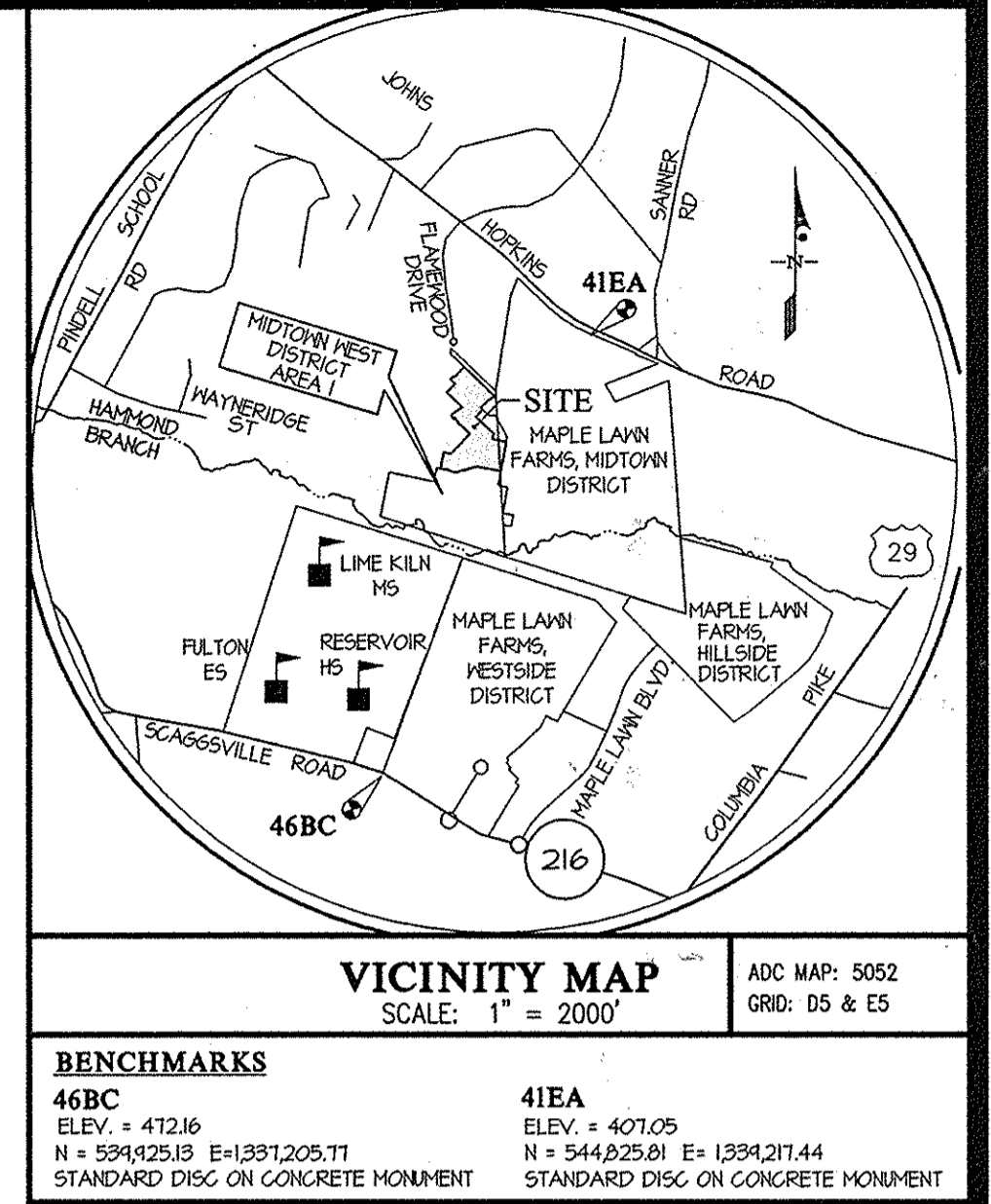


SHEET INDEX

| |
|-------------------------------|
| 1 - WATER & SEWER TITLE SHEET |
| 2 - WATER & SEWER PLAN |
| 3 - WATER & SEWER PROFILES |
| 4 - WATER & SEWER PROFILES |



| | |
|--------------------|--------------------------|
| TYPE OF BUILDING | RESIDENTIAL |
| NUMBER OF UNITS | 81 |
| NUMBER OF S.H.C.'s | 42 |
| NUMBER OF W.H.C.'s | 11 (10 SINGLE, 1 DOUBLE) |
| SEWER SHED | LITTLE PATUXENT |
| PUMPING STATION | N/A |



- GENERAL NOTES**
- PART I**
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
 - TOPOGRAPHY SHOWN WAS TAKEN FROM AERIAL TOPOGRAPHY PREPARED DURING MARCH 1947 BY SDI.
 - HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 46BC AND 41EA. ALL VERTICAL CONTROLS ARE BASED ON NAVD 88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE STANDARD DISCS ON CONCRETE MONUMENTS.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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 CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
 - FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). 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 AT THE LOCATIONS OF THE TEST PITS. 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.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

| | |
|-----------------------------------|-------------------------------|
| AT&T..... | 1-800-252-1833 |
| BGE (CONTRACTOR SERVICES)..... | 410-631-8713 |
| BGE (EMERGENCY)..... | 410-685-0123 |
| BUREAU OF UTILITIES..... | 410-313-4900 |
| COLONIAL PIPELINE CO..... | 410-745-1390 |
| MISS UTILITY..... | 1-800-257-TTTT |
| STATE HIGHWAY ADMINISTRATION..... | 410-531-2533 |
| VERIZON..... | 1-800-749-0033 / 410-224-4210 |
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 10.14(A) OF THE HOWARD COUNTY CODE.
- PART II WATER**
- ALL WATER MAINS SHALL BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 10.00 AND SECTION 10.05 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
 - SINGLE FAMILY DETACHED DWELLING UNITS WITH SPRINKLER SYSTEMS SHOULD HAVE A MINIMUM OF 1'-1/2" WATER HOUSE CONNECTION WITH A 1" METER, OUTSIDE SETTING.
- PART III**
- ALL SEWER MAINS SHALL BE D.I.P. 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 M.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL 6552. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - HOUSE(S) WITH THE SYMBOL INDICATES THAT THE CELLAR CANNOT BE SERVED.

CONTRACT No. 24-4704-D
 MAPLE LAWN FARMS
 MIDTOWN WEST DISTRICT - AREA 1 (PHASE III)
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND WITH ROAD DRAWINGS F 12-30 FOR SEDIMENT AND EROSION CONTROL.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

John R. Robertson 3/1/12
 SIGNATURE DATE

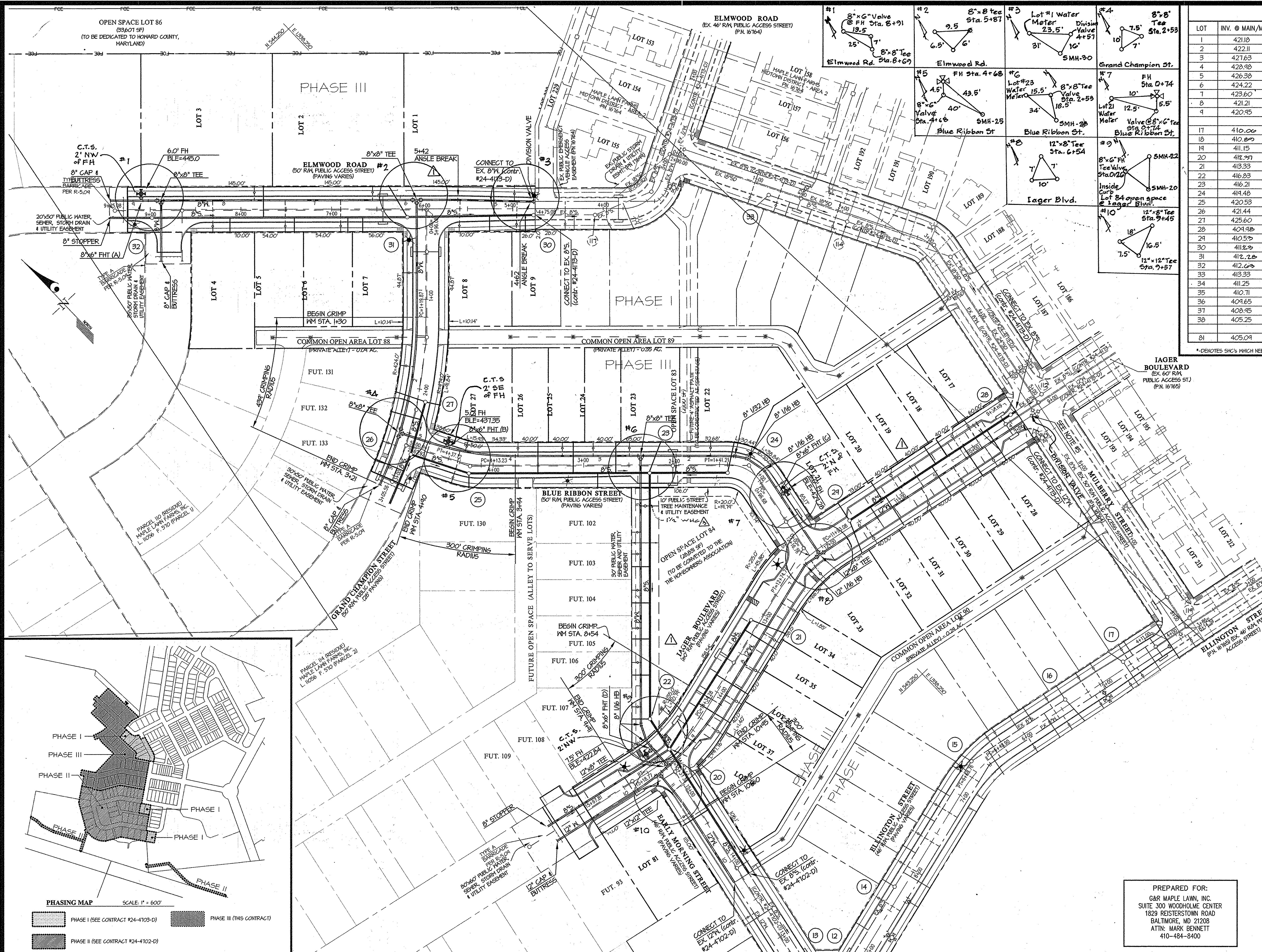
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

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

APPROVED: *JM*
 HOWARD S.C.D. Date

PREPARED FOR:
 G&R MAPLE LAWN, INC.
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

| | | | | | | | |
|---|---|--|---|--|--|---|--------------------------------|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Sheila Clark</i> 2/21/12 CHIEF, BUREAU OF UTILITIES DATE | DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>Mark Bennett</i> 3/13/12 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE | GLW GUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20886 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4188 | DATE JANUARY 2012 G.L.W. No. 09001 PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12875 EXP. DATE: MAY 26, 2012 | rev. number of wh.c.'s to reflect connection to open space lot 4. Added "QUANTITIES" BY NO REVISION DATE | WATER and SEWER TITLE SHEET 600' SCALE MAP NO. 41 BLOCK NO. 15 & 21 | MAPLE LAWN FARMS CONTRACT No. 24-4704-D MIDTOWN WEST DISTRICT - AREA 1 (PHASE III) LOTS 1 thru 9, 17 thru 38 & LOT 81 AND OPEN SPACE LOT 84 HOWARD COUNTY, MARYLAND ELECTION DISTRICT No. 5 | SCALE AS SHOWN SHEET 1 OF 4 |
|---|---|--|---|--|--|---|--------------------------------|



| MINIMUM CELLAR ELEVATIONS (M.C.E.) | | | | | | | |
|------------------------------------|----------------|------------|--------|-----------|----------------|------------|--------|
| LOT | INV. @ MAIN/MH | INV. @ R/W | M.C.E. | LOT | INV. @ MAIN/MH | INV. @ R/W | M.C.E. |
| 1 | 421.18 | 422.01 | 425.75 | 42 (FUT) | 410.35 | 411.30 | 415.54 |
| 2 | 422.11 | 422.85 | 426.68 | | | | |
| 3 | 421.63 | 428.44 | 432.14 | 101 (FUT) | 414.17 | 414.54 | 417.94 |
| 4 | 428.48 | 424.44 | 433.55 | 102 (FUT) | 415.01 | 415.38 | 418.83 |
| 5 | 426.38 | 426.84 | 430.95 | 103 (FUT) | 414.71 | 415.08 | 418.53 |
| 6 | 424.22 | 424.73 | 428.74 | 104 (FUT) | 414.41 | 414.88 | 419.88 |
| 7 | 423.60 | 423.94 | 427.66 | 105 (FUT) | 414.11 | 414.68 | 419.58 |
| 8 | 421.21 | 421.55 | 424.58 | 106 (FUT) | 413.94 | 414.41 | 417.81 |
| 9 | 420.45 | 421.48 | 424.51 | 107 (FUT) | 410.30 | 410.47 | 412.47 |
| | | | | 108 (FUT) | 410.65 | 410.82 | 412.82 |
| 17 | 410.00 | 410.00 | 414.00 | | | | |
| 18 | 410.00 | 411.52 | 415.00 | 124 (FUT) | 423.41 | 423.67 | 428.88 |
| 19 | 411.15 | 411.78 | 416.92 | | | | |
| 20 | 412.97 | 413.00 | 417.14 | 130 (FUT) | 425.60 | 426.40 | 433.63 |
| 21 | 413.33 | 413.56 | 417.70 | 131 (FUT) | 424.44 | 425.74 | 430.41 |
| 22 | 416.83 | 417.16 | 418.65 | 132 (FUT) | 425.04 | 425.43 | 430.55 |
| 23 | 416.21 | 416.54 | 418.03 | | | | |
| 24 | 414.48 | 414.81 | 422.45 | | | | |
| 25 | 420.58 | 421.03 | 423.02 | | | | |
| 26 | 421.44 | 422.31 | 424.80 | | | | |
| 27 | 425.60 | 425.90 | 428.04 | | | | |
| 28 | 404.88 | 410.80 | 414.80 | | | | |
| 29 | 410.53 | 411.44 | 413.77 | | | | |
| 30 | 411.23 | 412.14 | 414.47 | | | | |
| 31 | 412.28 | 412.82 | 415.53 | | | | |
| 32 | 412.68 | 413.54 | 416.20 | | | | |
| 33 | 413.33 | 413.70 | 416.60 | | | | |
| 34 | 411.25 | 411.63 | 414.58 | | | | |
| 35 | 410.71 | 411.68 | 414.63 | | | | |
| 36 | 409.65 | 410.62 | 413.57 | | | | |
| 37 | 408.45 | 409.44 | 412.84 | | | | |
| 38 | 405.25 | 405.58 | 408.91 | | | | |
| 81 | 405.04 | 405.60 | 408.75 | | | | |

*DENOTES SH'S WHICH NEED TO BE RUN AT 1.0%. ALL OTHER SH'S TO BE RUN AT 2.0%

| SEWER MANHOLE INFORMATION | | | |
|---------------------------|--------------------------|----|--------------------------|
| MH | LOCATION | MH | LOCATION |
| 20 | N 543382.24 E 1331940.34 | 27 | N 543846.74 E 1338060.34 |
| 21 | N 543423.80 E 1338154.35 | 28 | N 543381.10 E 1338518.63 |
| 22 | N 543421.22 E 1331941.84 | 29 | N 543428.70 E 1338308.47 |
| 23 | N 543614.14 E 1338105.54 | 30 | N 543914.55 E 1338204.62 |
| 24 | N 543554.98 E 1338241.45 | 31 | N 544004.04 E 1338181.03 |
| 25 | N 543756.34 E 1338040.74 | 32 | N 544202.12 E 1331982.64 |
| 26 | N 543815.86 E 1338008.15 | | |

| FITTING INFORMATION | | | |
|------------------------------|-------------|-------------|--------------|
| W.M. STATION | FITTING | LOCATION | |
| ELMWOOD ROAD | | | |
| 5+87 | 8"x8" TEE | N 544015.63 | E 1338207.68 |
| 8+64 | 8"x8" TEE | N 544204.63 | E 1338003.02 |
| 9+25 | 8" CAP | N 544248.11 | E 1337462.42 |
| GRAND CHAMPION STREET | | | |
| 0+00 | 8"x8" TEE | N 544015.63 | E 1338207.68 |
| 2+60 | 8"x8" TEE | N 543841.61 | E 1338016.47 |
| 3+21 | 8" CAP | N 543815.00 | E 1337460.80 |
| BLUE RIBBON STREET | | | |
| 5+22 | 8"x8" TEE | N 543841.61 | E 1338016.47 |
| 2+53 | 8"x8" TEE | N 543634.81 | E 1338191.35 |
| 1+44 | 8" 1/2 HB | N 543561.74 | E 1338266.58 |
| 1+35 | 8" 1/16 HB | N 543556.62 | E 1338274.35 |
| 1+13 | 8" 1/16 HB | N 543534.51 | E 1338274.18 |
| 0+00 | 12"x8" TEE | N 543423.58 | E 1338254.24 |
| IAGER BOULEVARD | | | |
| 6+54 | 12"x8" TEE | N 543423.58 | E 1338254.24 |
| 6+73 | 12" 1/16 HB | N 543426.94 | E 1338240.24 |
| 9+44 | 12"x8" TEE | N 543644.45 | E 1337976.32 |
| 9+57 | 12"x12" TEE | N 543370.30 | E 1337463.68 |
| 10+42 | 12" CAP | N 543394.10 | E 1337830.65 |
| OPEN SPACE LOT 84 | | | |
| 3+54 | 8"x8" TEE | N 543634.81 | E 1338191.35 |
| 0+56 | 8" 1/16 HB | N 543423.74 | E 1337486.55 |
| 0+36 | 8" 1/16 HB | N 543405.61 | E 1337478.03 |
| 0+00 | 12"x8" TEE | N 543364.60 | E 1337472.66 |

| FIRE HYDRANT TEE INFORMATION | |
|------------------------------|--------------------------|
| FHT | LOCATION |
| (A) | N 544224.77 E 1337487.05 |
| (B) | N 543744.12 E 1338042.70 |
| (C) | N 543501.73 E 1338273.31 |
| (D) | N 543345.24 E 1337417.54 |

- NOTES:
- ALL SH'S SHOWN SERVING NUMBERED LOTS ARE 4".
 - ALL MANHOLES WILL BE STANDARD 4'-0" (6' 5.12).
 - OUTSIDE METERS WILL BE PER HOWARD COUNTY DETAIL IN 3.32 FOR TWIN CONNECTIONS AND DETAIL IN 3.28 FOR SINGLE CONNECTIONS.
 - ALL W.H.'S SHOWN SERVING NUMBERED LOTS ARE 1 1/2".
 - EXISTING VALVE TO BE CLOSED BY DPW FOR CONSTRUCTION.

PREPARED FOR:
 G&R MAPLE LAWN, INC.
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

DATE: 2/13/12

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20886
 TEL: 301-421-4024 FAX: 410-883-1820 DC/VA: 301-989-2524 FAX: 301-421-4188

DATE: JANUARY 2012

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12875.
 EXP. DATE: MAY 26, 2012

G.L.W. No. 09001

| REV | BY | DESCRIPTION | DATE |
|-----|-------|--|------------|
| 1 | LEM | Added w.h.s. for open space lot 84. | 01-19-12 |
| 2 | LEM | Added #1 thru #10 | 12-18-12 |
| 3 | LEM | Rev. Plan to reflect intended parking and located 8' w.h.s. to accommodate builder | 02/10/2012 |
| 4 | BY NO | REVISION | DATE |

WATER & SEWER PLAN

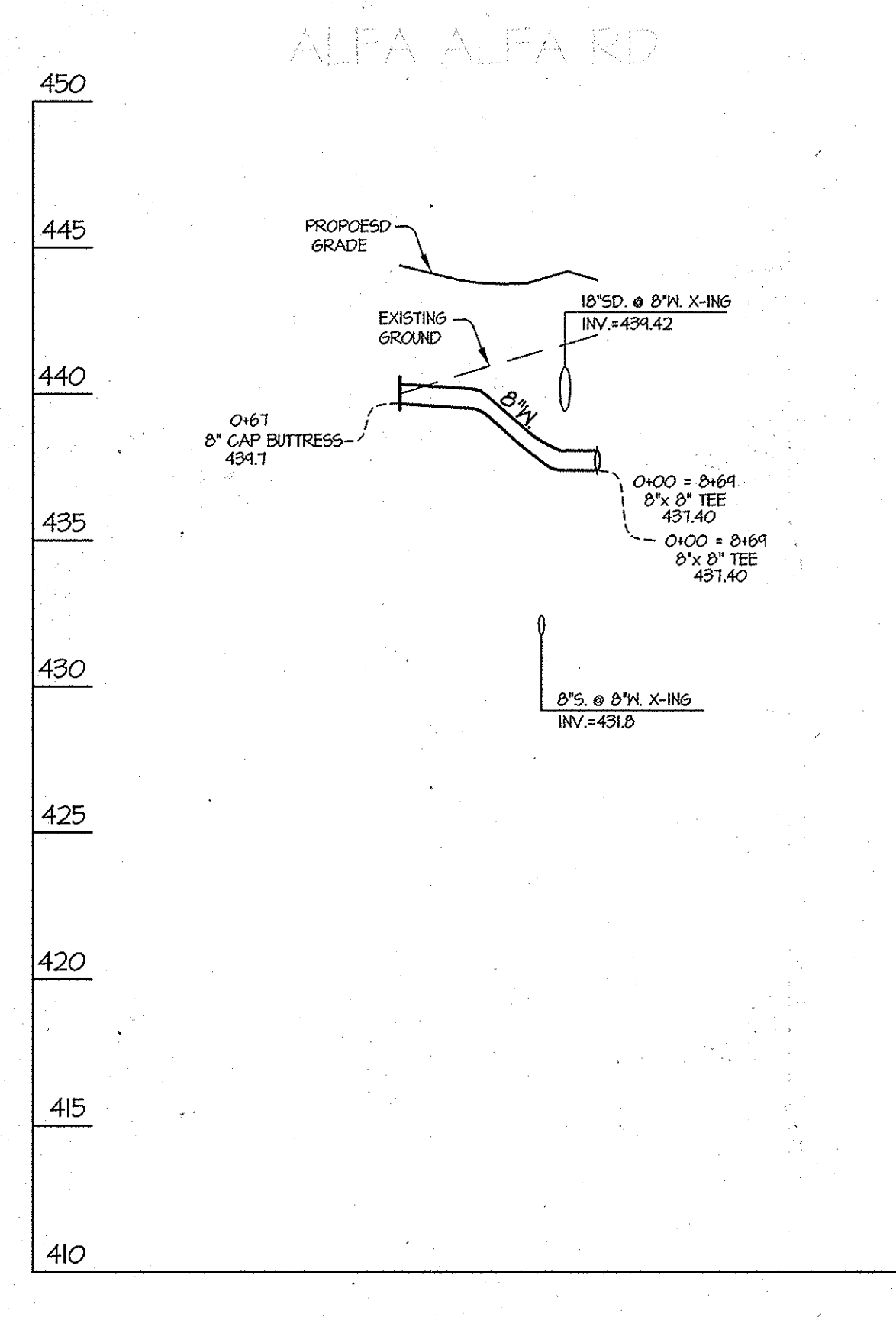
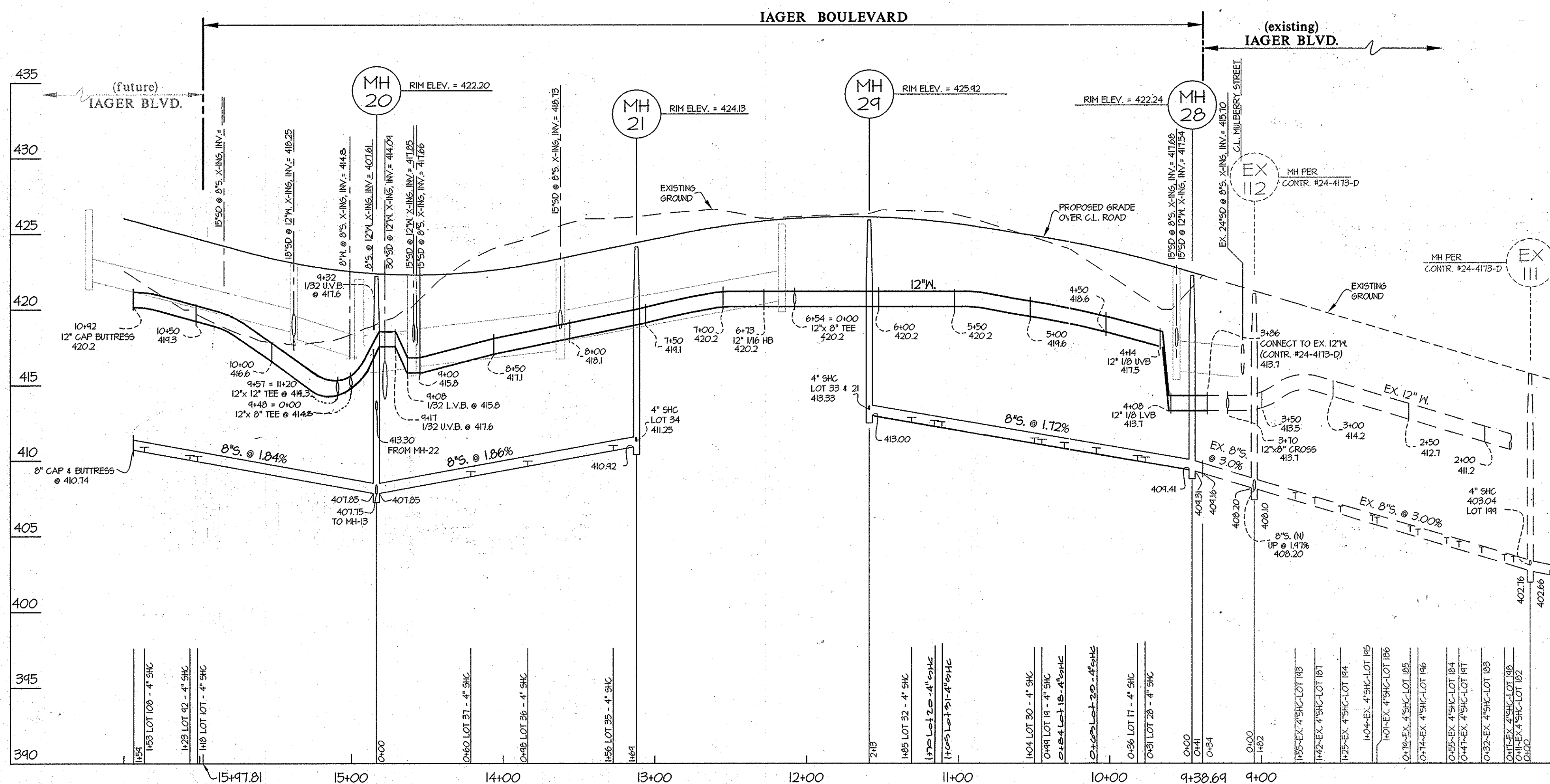
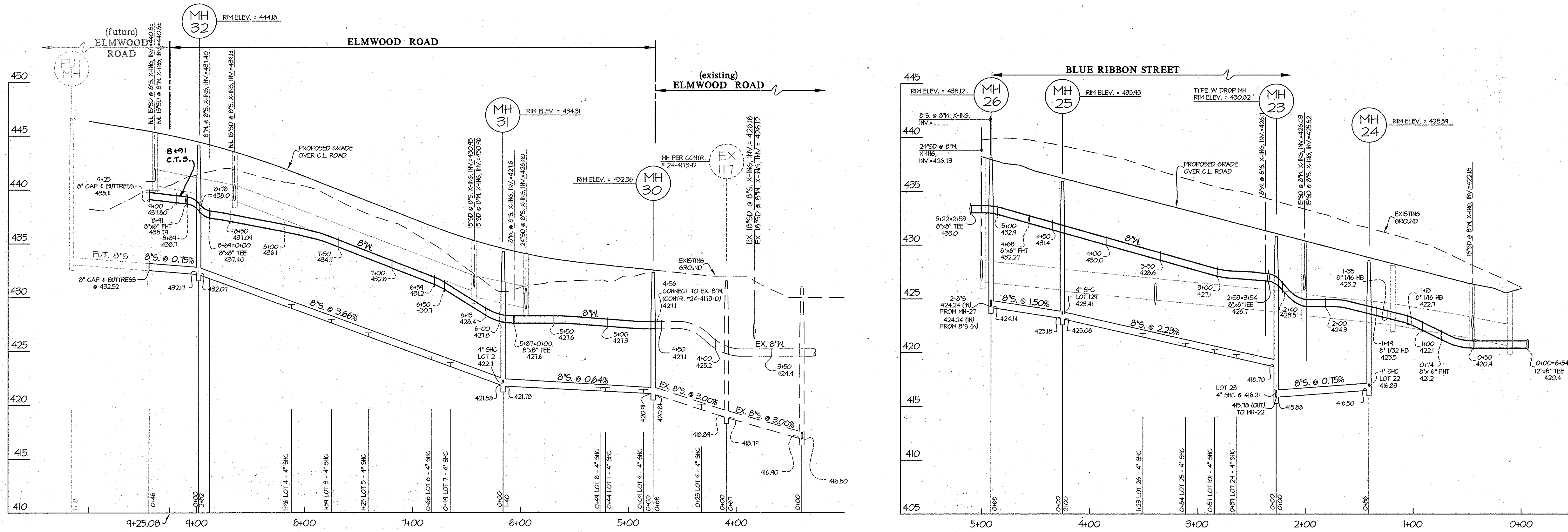
600' SCALE MAP NO. 41 BLOCK NO. 15 & 21

MAPLE LAWN FARMS
 CONTRACT No. 24-4704-D
 MIDTOWN WEST DISTRICT - AREA 1 (PHASE III)
 LOTS 1 thru 9, 17 thru 38 & LOT 81 AND OPEN SPACE LOT 84

HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT NO. 5

SCALE: 1"=50'
 SHEET: 2 OF 4

L:\CARD\URBAN\09001\WSP\PHASE 3 (24-4704-D)\09001-PHASE 3 FWG-PROFILE.dwg
 PLOTTED: 2/10/2012 10:20 AM, LAST SAVED: 2/10/2012 10:27 AM, PLOTTED BY: Doug Venesky



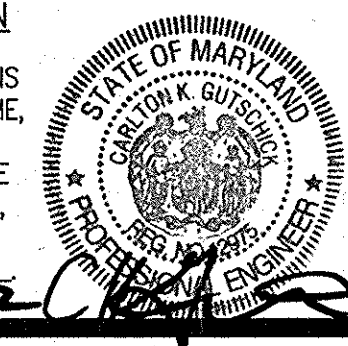
PREPARED FOR:
 G&R MAPLE LAWN, INC.
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 Date

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 Date

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20868
 TEL: 301-421-4024 BALT: 410-800-1820 DC/VA: 301-589-2524 FAX: 301-421-4186

DATE: JANUARY 2012
 PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975
 EXP. DATE: MAY 26, 2012

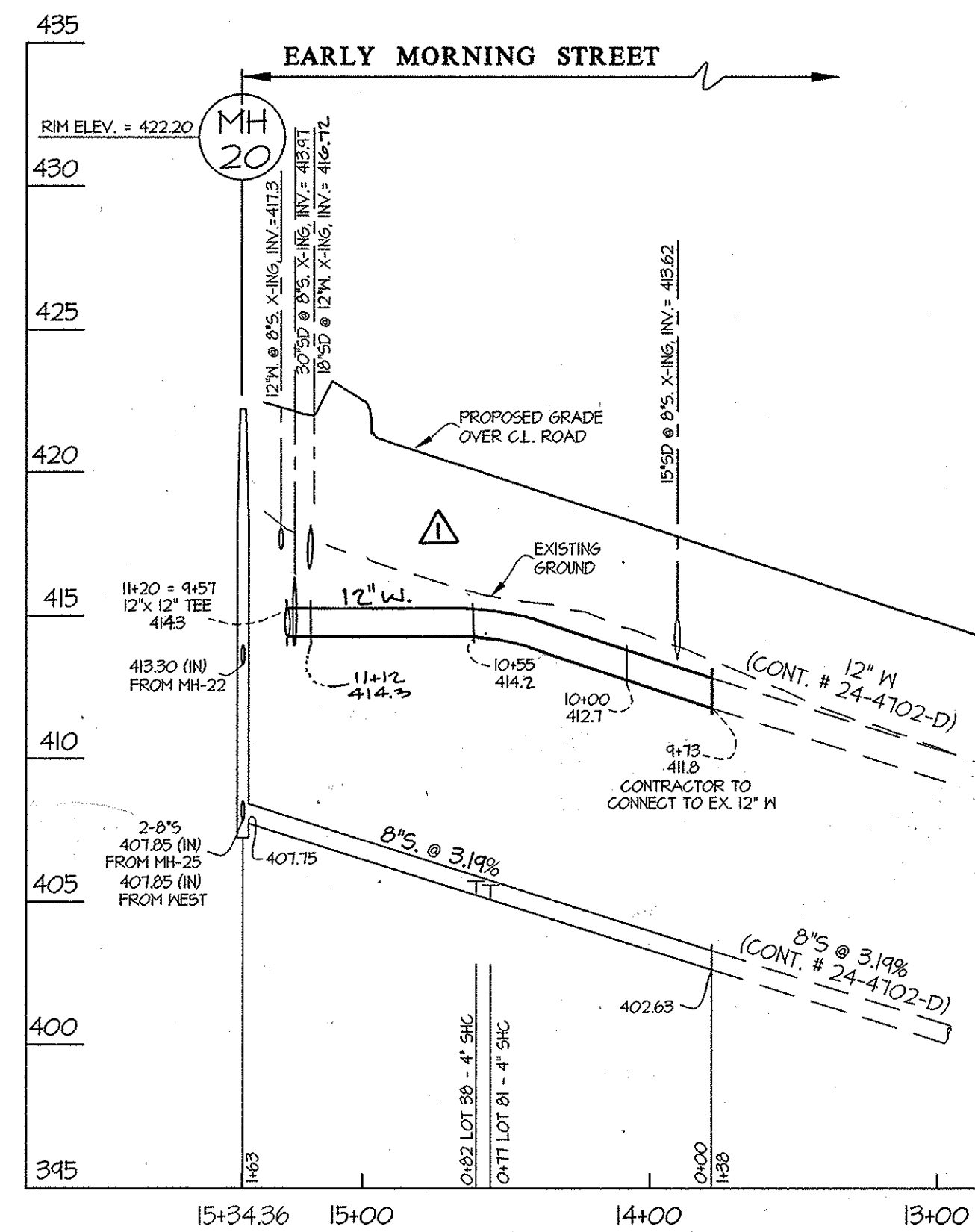
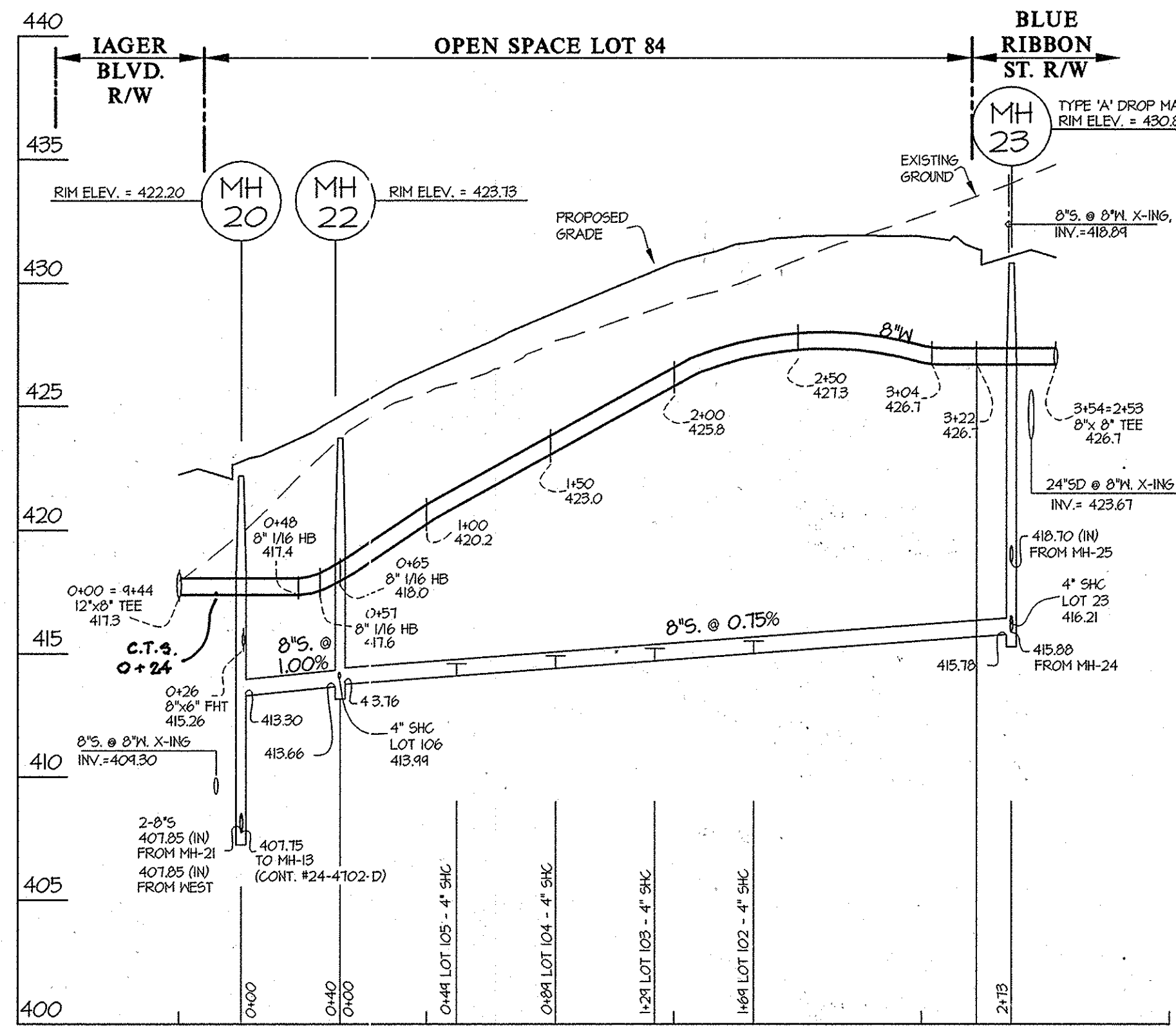
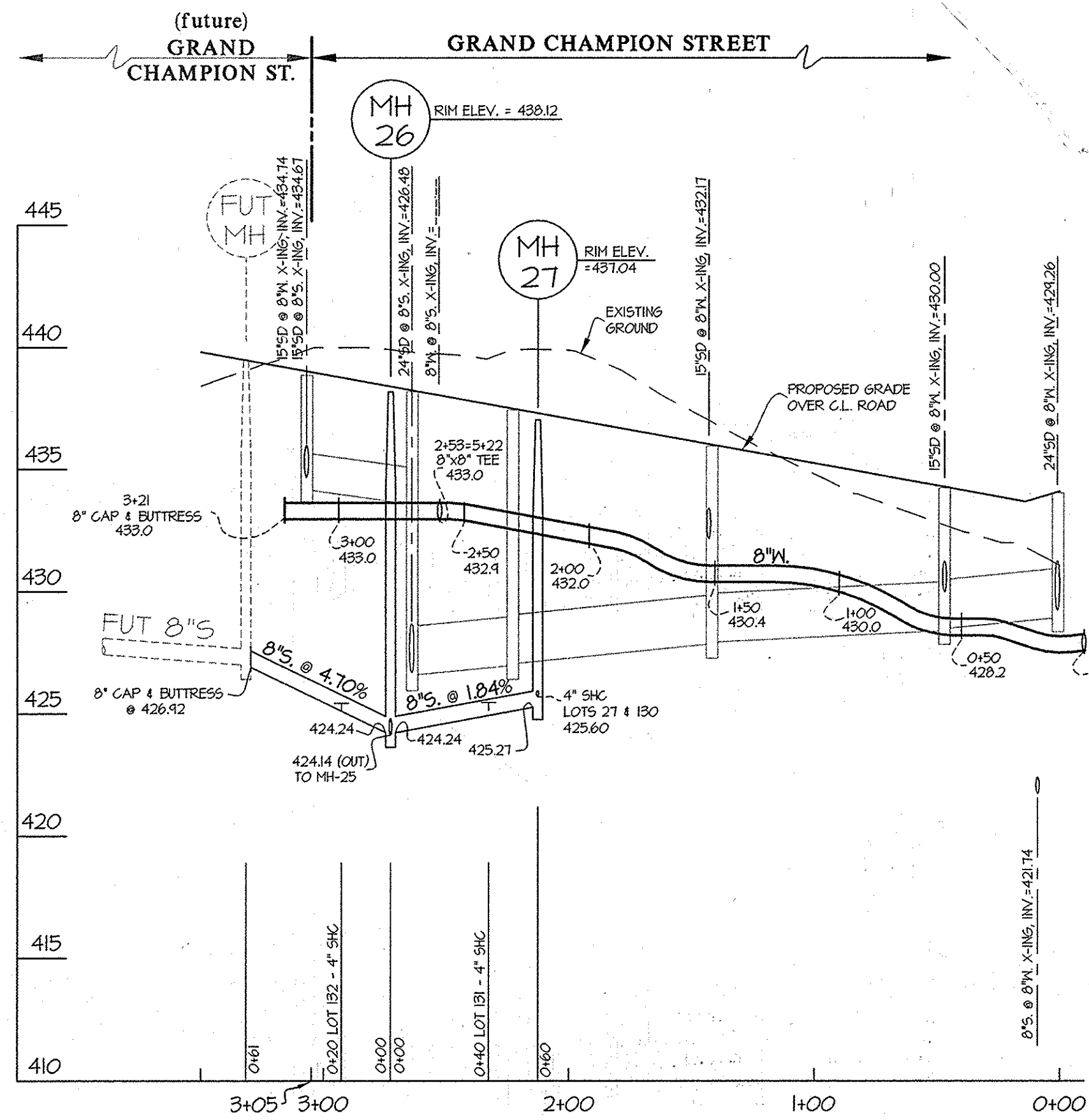


| BY | NO | REVISION | DATE |
|-----|----|---|----------|
| LEM | 1 | Added C.T.S. location | 12-18-12 |
| LEM | 2 | Rev site station due to plan view revisions | 12-18-12 |

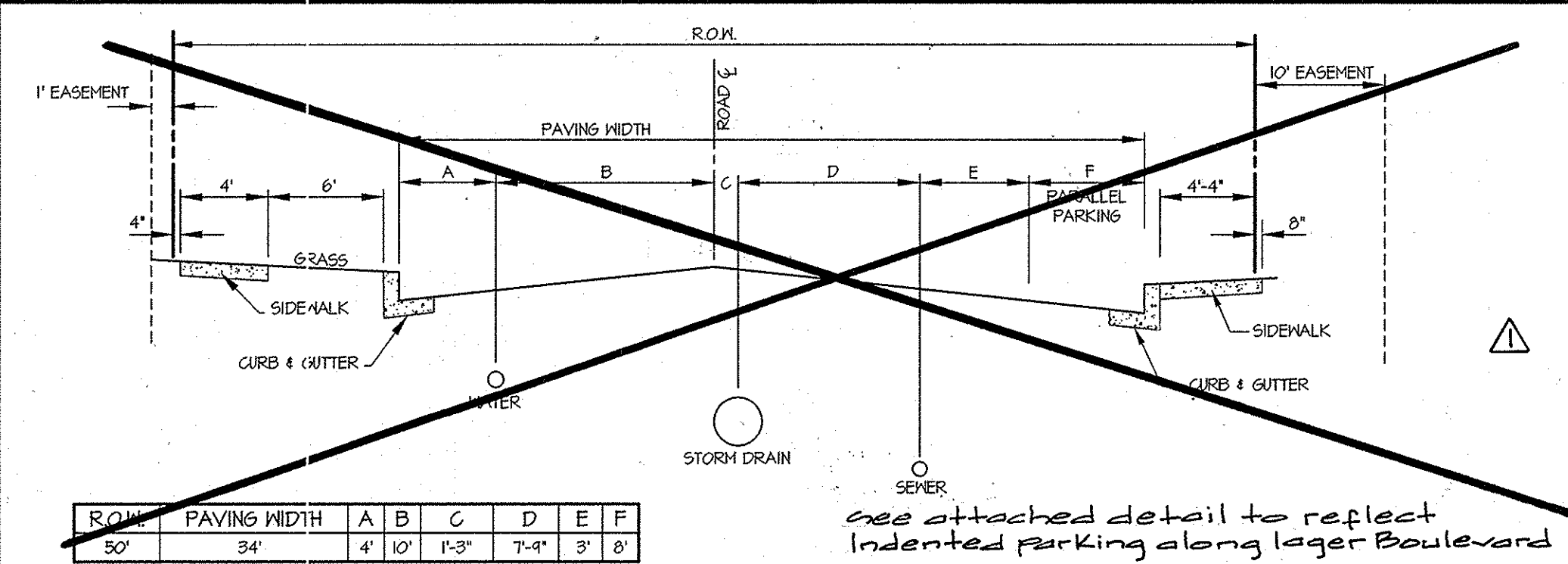
WATER & SEWER PROFILES
 600' SCALE MAP NO. 41
 BLOCK NO. 15 & 21

MAPLE LAWN FARMS
 CONTRACT No. 24-4704-D
 MDTOWN WEST DISTRICT - AREA 1 (PHASE III)
 LOTS 1 thru 9, 17 thru 38 & LOT 81 AND OPEN SPACE LOT 84
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 5

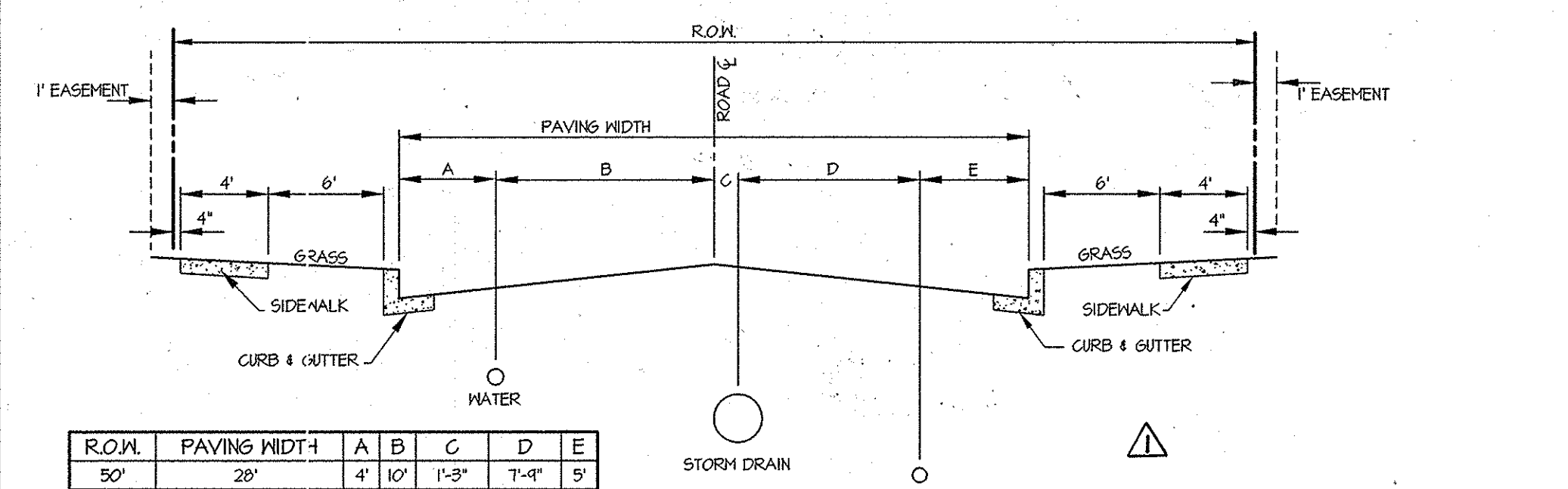
SCALE
 1"=50' HORZ.
 1"=5' VERT.
 SHEET
 3 OF 4



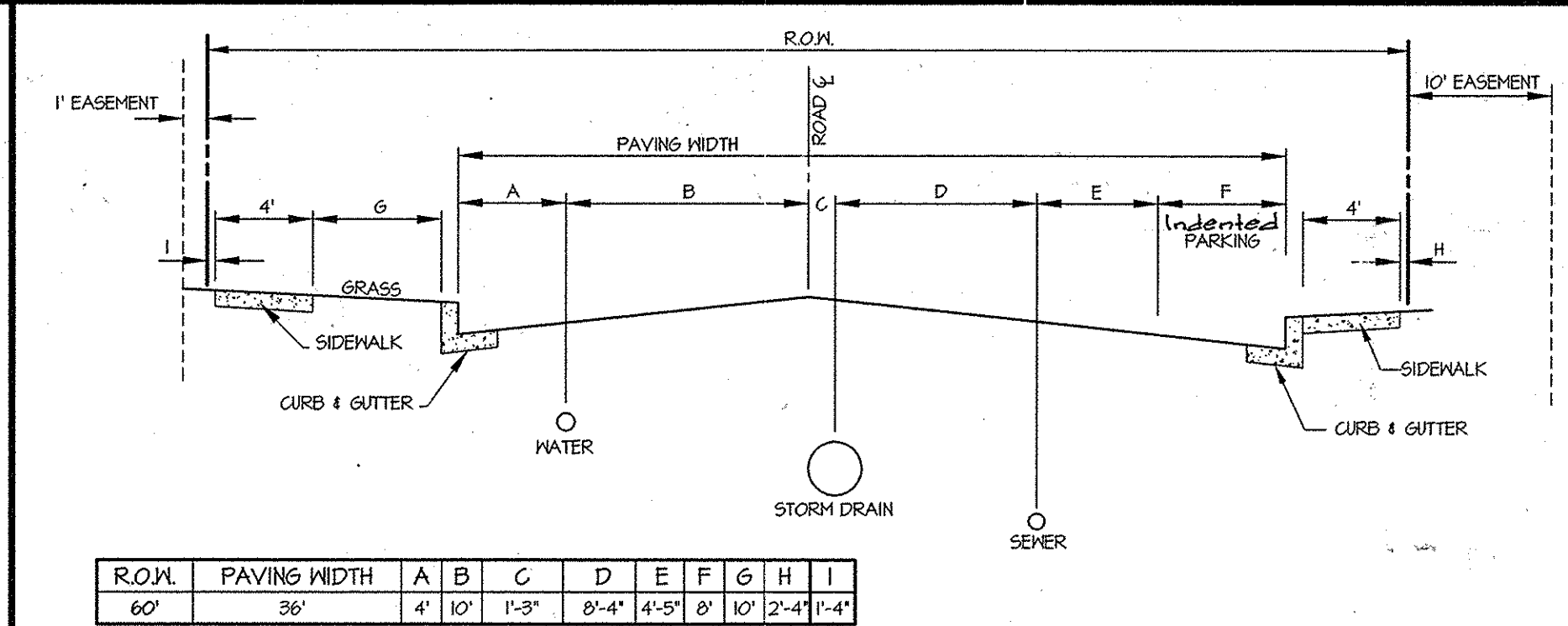
| AS-BUILT INFORMATION | | | | | |
|----------------------|--------------------|---------------------------------|----------------------|---------------------------------|----------------------|
| LOT | ADDRESS | WATER HOUSE CONNECTION AS BUILT | | SEWER HOUSE CONNECTION AS BUILT | |
| | | LOCATION DIM. 1 | LOCATION DIM. 2 | LOCATION DIM. 1 | LOCATION DIM. 2 |
| 1 | ELLKOD STREET | 26' to Lot 1 S/C | 32' to Lot 2 W/C | 26' to Lot 1 W/C | 52.5' to Lot 2 S/C |
| 2 | | 19.5' to Lot 2 S/C | 46' to Lot 7 S/C | 19.5' to Lot 2 W/C | 62' to Lot 7 S/C |
| 3 | | 58' to Lot 4 W/C | 48.5' to Lot 5 W/C | 44' to Lot 3 W/C | 50' to Lot 5 W/C |
| 4 | | 21' to Lot 4 S/C | 58.5' to Lot 5 W/C | 21' to Lot 4 W/C | 50' to Lot 5 W/C |
| 5 | | 48.5' to Lot 5 W/C | 13.5' to Lot 5 S/C | 13.5' to Lot 5 W/C | 52' to Lot 6 W/C |
| 6 | | 13.5' to Lot 6 S/C | 26.5' to Lot 7 S/C | 13.5' to Lot 6 W/C | 16' to Lot 3 S/C |
| 7 | | 66.5' to Lot 7 S/C | 97' to Lot 2 W/C | 26.5' to Lot 6 W/C | 46' to Lot 2 W/C |
| 8 | | 35.5' to Lot 8 S/C | 78' to Lot 7 W/C | 32.5' to Lot 9 W/C | 95.5' to Lot 3 W/C |
| 9 | | 14' to Lot 9 S/C | 32.5' to Lot 8 S/C | 14' to Lot 8 W/C | 44' to Lot 1 W/C |
| 17 | IAGER BOULEVARD | 15.5' to Lot 17 S/C | 37.5' to Lot 18 S/C | 15.5' to Lot 17 W/C | 68.5' to Lot 28 S/C |
| 18 | | 18.5' to Lot 18 S/C | 33' to Lot 19 S/C | 17.5' to Lot 17 W/C | 18.5' to Lot 18 W/C |
| 19 | | 24.5' to Lot 19 S/C | 46.5' to Lot 20 S/C | 26.5' to Lot 19 W/C | 49' to Lot 20 W/C |
| 20 | | 24.5' to Lot 20 S/C | 68' to Lot 21 S/C | 24.5' to Lot 20 W/C | 44' to Lot 21 S/C |
| 21 | | 68' to Lot 21 S/C | 69' to Lot 22 S/C | 68' to Lot 21 W/C | 44' to Lot 20 S/C |
| 22 | BLUE RIBBON ST. | 30' to Lot 22 S/C | 94' to Lot 23 S/C | 69' to Lot 21 W/C | 22' to Lot 22 W/C |
| 23 | | 37' to Lot 23 S/C | 18.5' to Lot 24 S/C | 37' to Lot 23 W/C | 72' to Lot 24 W/C |
| 24 | | 24' to Lot 24 S/C | 28' to Lot 24 S/C | 18.5' to Lot 23 W/C | 42.5' to Lot 25 S/C |
| 25 | | 15' to Lot 25 S/C | 29.5' to Lot 26 S/C | 24' to Lot 24 W/C | 15' to Lot 25 W/C |
| 26 | | 25' to Lot 26 S/C | 56' to Lot 27 W/C | 29.5' to Lot 25 W/C | 25' to Lot 26 W/C |
| 27 | | 56' to Lot 26 W/C | 45' to Lot 130 S/C | 56.5' to Lot 131 S/C | 59' to Lot 132 S/C |
| 28 | | 22' to Lot 27 S/C | 17' to Lot 28 S/C | 17' to Lot 28 W/C | 68.5' to Lot 17 S/C |
| 29 | IAGER BOULEVARD | 23.5' to Lot 28 S/C | 24.5' to Lot 29 S/C | 24.5' to Lot 29 W/C | 22' to Lot 28 W/C |
| 30 | | 28' to Lot 30 S/C | 38.5' to Lot 31 S/C | 30' to Lot 30 W/C | 23.5' to Lot 29 W/C |
| 31 | | 44' to Lot 32 S/C | 25' to Lot 31 S/C | 44' to Lot 32 W/C | 25' to Lot 31 W/C |
| 32 | | 22.5' to Lot 33 S/C | 18.5' to Lot 32 S/C | 18.5' to Lot 32 W/C | 35.5' to Lot 33 S/C |
| 33 | | 51.5' to Lot 34 W/C | 49' to Lot 33 S/C | 44' to Lot 31 W/C | 49' to Lot 33 W/C |
| 34 | | 28.5' to Lot 34 S/C | 51.5' to Lot 33 W/C | 15' to Lot 35 W/C | 28.5' to Lot 34 S/C |
| 35 | | 31' to Lot 35 S/C | 15' to Lot 34 S/C | 15' to Lot 36 W/C | 31' to Lot 35 W/C |
| 36 | | 27.5' to Lot 36 S/C | 15' to Lot 35 S/C | 15.5' to Lot 37 W/C | 27.5' to Lot 36 W/C |
| 37 | | 39.5' to Lot 38 W/C | 15.5' to Lot 36 S/C | 15.5' to Lot 37 W/C | 17' to Lot 28 W/C |
| 38 | | 17' to Lot 37 S/C | 39.5' to Lot 37 W/C | 44' to Lot 31 W/C | 17' to Lot 38 W/C |
| 81 | | 13' to Lot 81 S/C | 44' to Lot 28 S/C | 13' to Lot 81 W/C | 53.5' to Lot 38 S/C |
| 92 (FUT) | | | | | |
| 93 | | 17.5' to Lot 93 S/C | 50' to Lot 109 S/C | 17.5' to Lot 93 W/C | 58.5' to Lot 108 W/C |
| 101 (FUT) | | | | | |
| 102 (FUT) | | | | | |
| 103 (FUT) | | | | | |
| 104 (FUT) | | | | | |
| 105 (FUT) | | | | | |
| 106 (FUT) | | | | | |
| 107 (FUT) | | | | | |
| 108 (FUT) | | | | | |
| 109 | | | | | |
| 124 (FUT) | | | | | |
| 130 (FUT) | GRAND CHAMPION ST. | 21.5' to Lot 130 S/C | 91' to Lot 133 S/C | 45' to Lot 27 W/C | 21.5' to Lot 130 W/C |
| 131 (FUT) | | 31.5' to Lot 21 S/C | 60' to Lot 27 S/C | 56.5' to Lot 27 S/C | 31.5' to Lot 31 W/C |
| 132 (FUT) | | 34.5' to Lot 132 S/C | 24.5' to Lot 133 S/C | 59' to Lot 27 S/C | 34.5' to Lot 132 W/C |



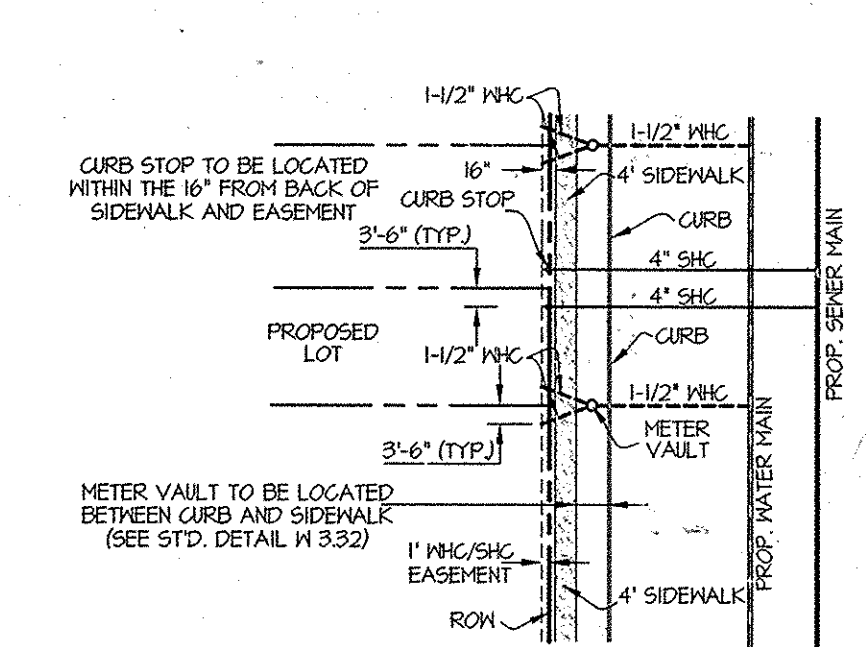
TYPICAL PAVING CROSS-SECTION W/ PARALLEL PARKING N.T.S.



TYPICAL PAVING CROSS-SECTION W/ NO INDENTED PARKING N.T.S.



TYPICAL ON-SITE FIRE HYDRANT SETTING N.T.S.



SERVICE CONNECTION DETAIL N.T.S.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
S. C. CLAW
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
C. J. CLAW
CHIEF, DEVELOPMENT ENGINEERING DIVISION

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3009 NATIONAL DRIVE - SUITE 200 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 FAX: 410-880-1820

DATE: JANUARY 2012
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975
G.L.W. No. 09001
EXP. DATE: MAY 26, 2012

LEW
BY NO
REVISION
DATE: 12/14/12

WATER & SEWER PROFILES
600' SCALE MAP NO. 41 BLOCK NO. 15 & 21

MAPLE LAWN FARMS
CONTRACT No. 24-4704-D
MIDTOWN WEST DISTRICT - AREA 1 (PHASE III)
LOTS 1 thru 9, 17 thru 38 & LOT 81 AND OPEN SPACE LOT 84
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 5

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

L:\CADD\DRAWINGS\ORDINARY\PHASE 3 (24-4704-D)\ORDINARY-PHASE 3 FIGS-PROFILE.dwg
PLOTTED: 2/10/2012 10:23 AM, LAST SAVED: 2/10/2012 10:16 AM, PLOTTED BY: MARK BENNETT