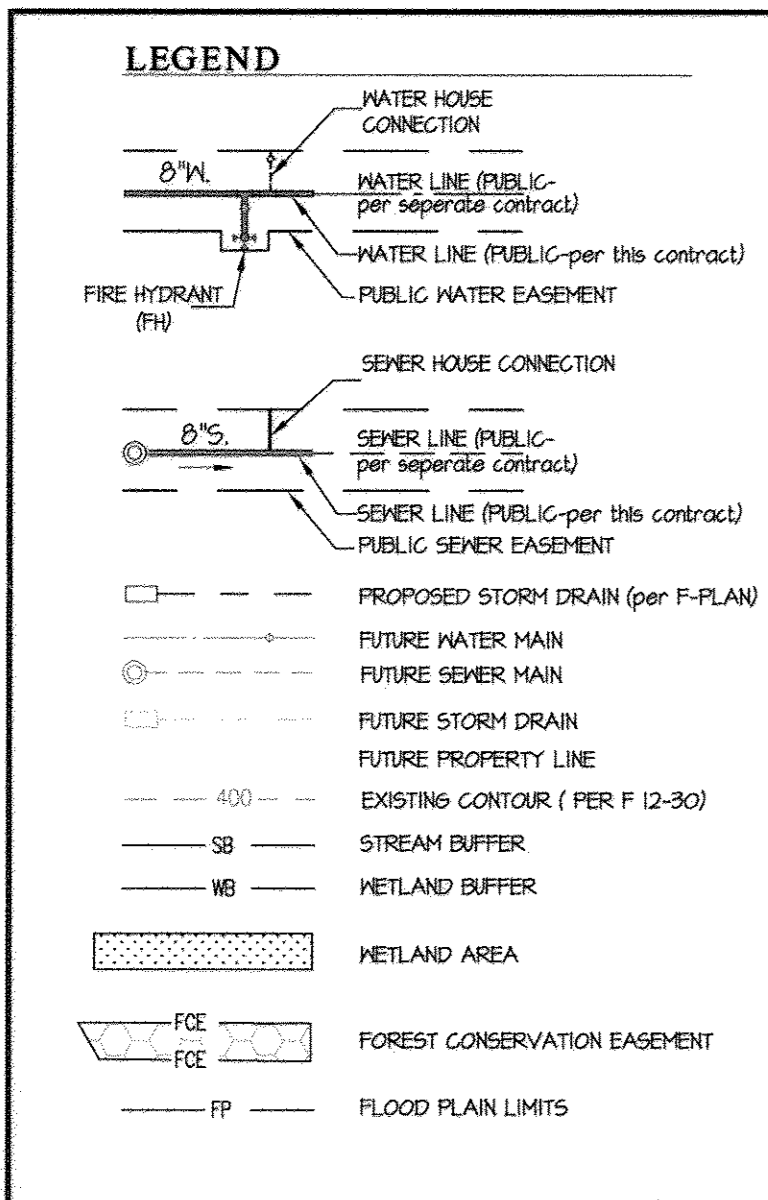
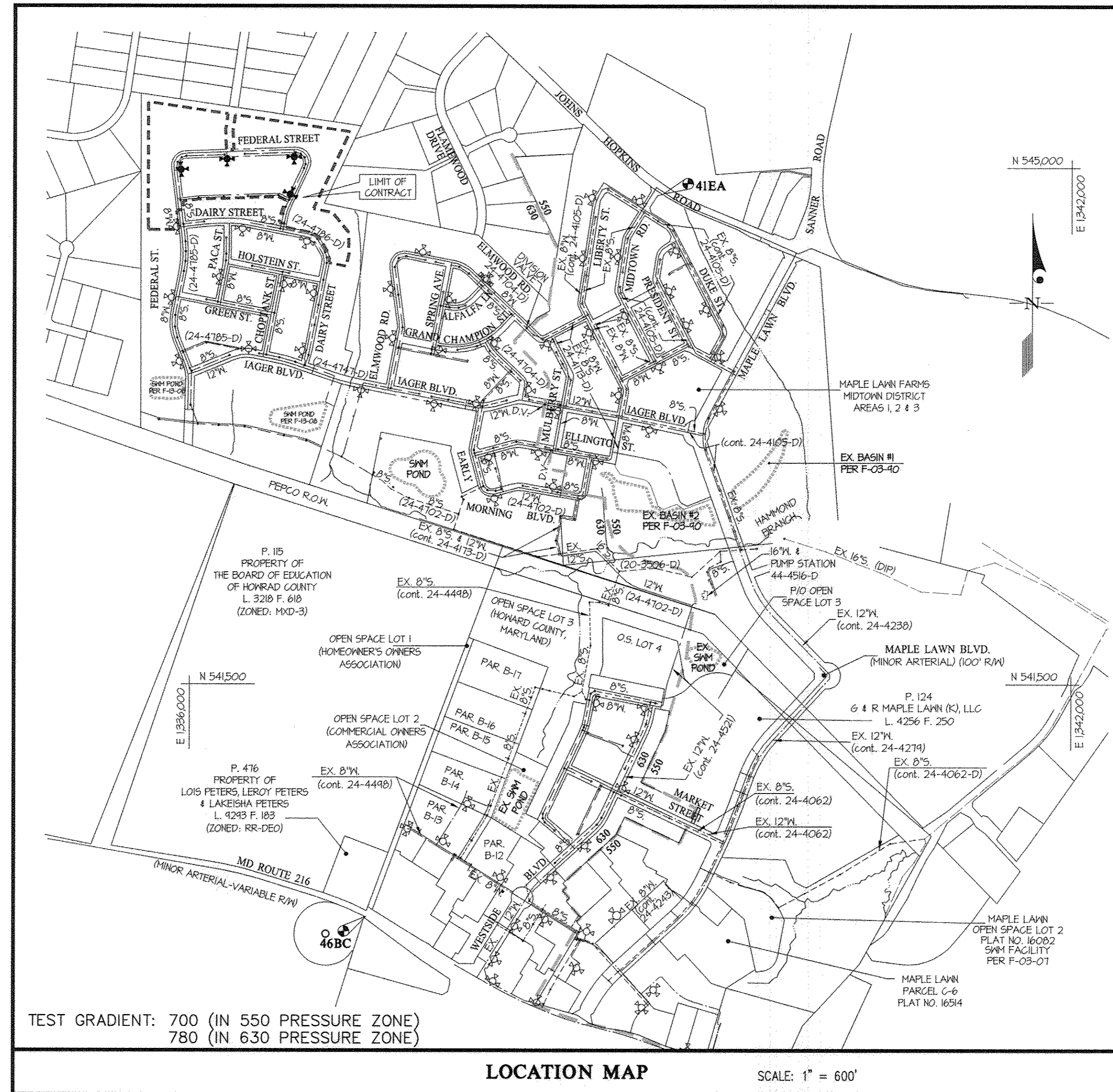


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER MAIN (D.I.P.)	2554 L.F.	2562	CL-34	ATLANTIC STATES
6" WATER MAIN (D.I.P.)	42 L.F.	51	CL-34	ATLANTIC STATES
1-1/2" MHC	1020 L.F.	511	TYPE-K	MUELLER INDUSTRIES
8"x8" TEE	2 EA.	2	MJC 153	TYLER/UNION FOUNDRY
8" 1/16 HB	8 EA.	7	MJC 153	TYLER/UNION FOUNDRY
8" 1/32 HB	1 EA.	1	MJC 153	TYLER/UNION FOUNDRY
8" VALVES	5 EA.	5	MJ 2500	AMERICAN FLOW CONTROL
6" VALVES	4 EA.	4	MJ 2500	AMERICAN FLOW CONTROL
8"x6" FHT	4 EA.	4	MJC 153	TYLER/UNION FOUNDRY
FIRE HYDRANTS	4 EA.	3	B84-B	AMERICAN FLOW CONTROL
		1	A423	MUELLER COMPANY
8" SEWER MAIN	2194 L.F.	2134	SDR-35	NORTH AMERICAN
4" SHC	436 L.F.	847	SDR-35	NORTH AMERICAN
STANDARD MANHOLES	18 EA.	17	PRECAST	ATLANTIC CONCRETE
TYPE 'A' DROP MANHOLES	1 EA.	2	PRECAST	ATLANTIC CONCRETE
NAME OF UTILITY CONTRACTOR: GRAY & SON				

SURVEY AND DRAFTING DIV.	CHECKBOX: AS-BUILT DATE:
--------------------------	--------------------------

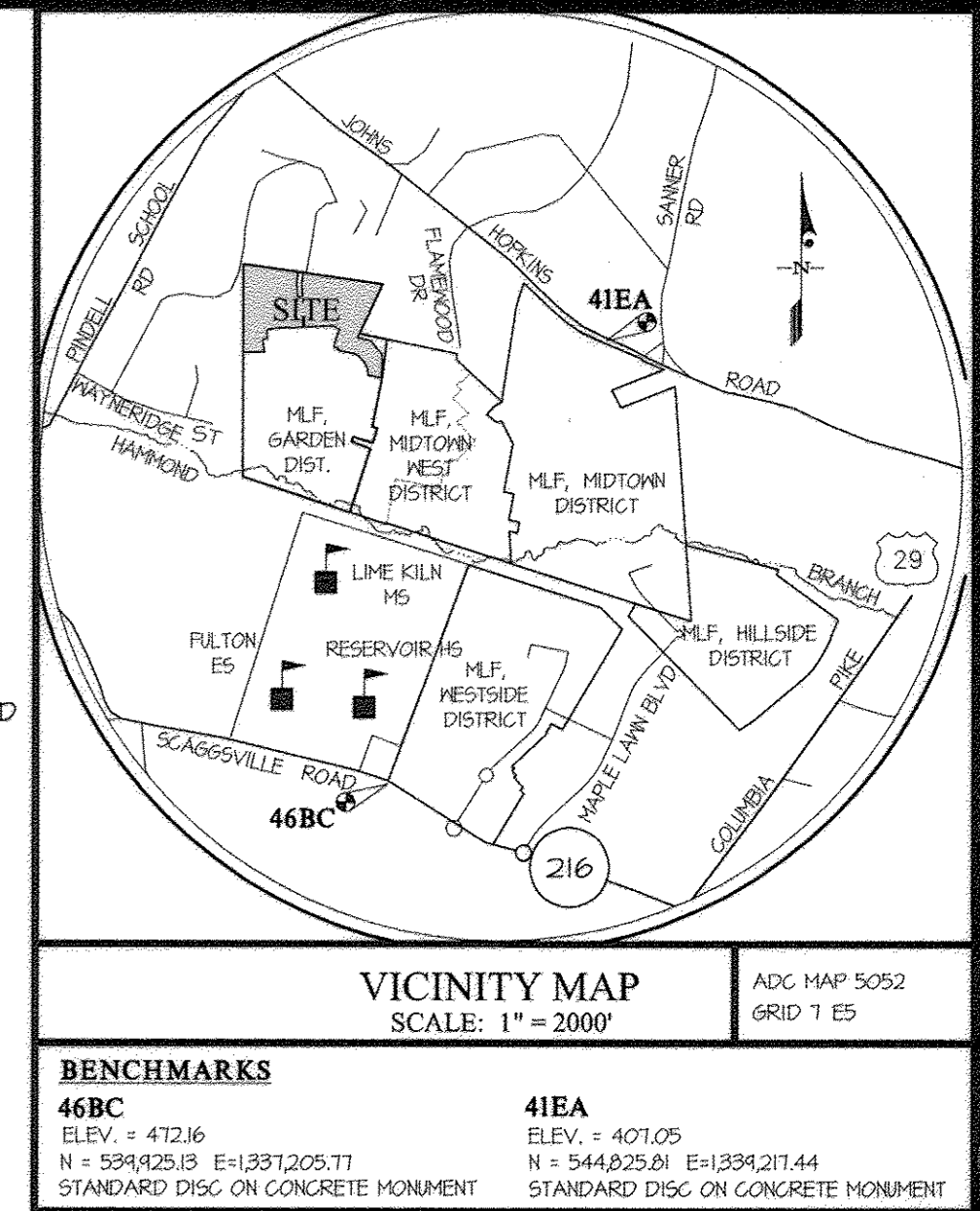


SHEET INDEX	
1.	WATER and SEWER TITLE SHEET
2.	WATER and SEWER PLAN
3.	WATER and SEWER PROFILES
4.	WATER and SEWER PROFILES, CHARTS, and DETAILS



TYPE OF BUILDING	RESIDENTIAL
NUMBER OF UNITS	45
NUMBER OF S.H.C.'s	40
NUMBER OF W.H.C.'s	40
AREA OF COMMERCIAL LOT/PARCEL	0.0 AC.
SEWER SHED	LITTLE PATUXENT
PUMPING STATION	NA

4 SEWER HOUSE CONNECTIONS AND 4 WATER HOUSE CONNECTIONS WERE CONSTRUCTED UNDER CONT. #24-4586-D IN ANTICIPATION OF LOTS CREATED UNDER THESE FINAL PLANS. 1 SEWER HOUSE CONNECTION AND 1 WATER HOUSE CONNECTION WERE CONSTRUCTED UNDER CONT. #24-4585-D IN ANTICIPATION OF LOTS UNDER THESE FINAL PLANS.



GENERAL NOTES

- 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.
  - Topographic field surveys were performed on March, 1991 by 301 and then updated by grade checks performed by Gutschick, Little & Weber, PA and based on F 13-008. The boundary information is based upon a field survey prepared by Gutschick, Little & Weber, PA on or about June, 2001.
  - 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 No. 46BC and No. 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 owner for the tracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies to schedule the tracing 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 an existing utility, 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:
 

A.T.T.	1-800-252-1133
BGE (Construction Services)	410-631-8113
BGE (Emergency)	410-635-0123
Bureau of Utilities	410-313-4400
Colonial Pipeline Co.	410-715-3900
Miss Utility	1-800-251-7777
State Highway Administration	410-531-5233
Verizon	1-800-743-0033
  - 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 DPM requirements per Section 101.14(2) 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 trees shall be strapped to trees.
  - 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 1000 and Section 1005 of the Standard Specifications.
  - The contractor shall not operate any water main valves on the existing water system.
  - Tracer wires and continuity test stations shall be installed on all DIP and PVC water mains in accordance with the Howard County Design Manual.
  - For PVC water mains, all records for the Quality Control and Qualification Test Requirements noted in Section 51 of the ANNA Standard C-900 for PVC pressure pipe shall be submitted with the pipe material certifications or shop drawings prior to approval of the material for use. The test records shall be for the pipe to be installed under this contract. All PVC pipe shall contain markings to allow cross referencing of the pipe supplied to the test records received.
  - Unless otherwise noted on the plans or in the specifications, sacrificial anodes shall be installed on all valves and metallic fittings used with PVC water mains in accordance with Volume IV, Standard Specifications and Details for Construction, Seventeen (17) pound Magnesium anodes shall be installed on all valves and fittings including restrainers and hoses. Twelve (12) pound Zinc anodes shall be installed on all stainless steel fittings and saddles used with PVC mains. All "tees" used with PVC mains shall be ductile iron.
  - Proper Assembly of Gasketed PVC Pipe Joints: The manufacturer's insertion line of gasketed PVC pipe joints indicates the maximum depth of insertion of the spigot into the bell. After assembly of the joint, the insertion line shall remain visible. Dual insertion lines on gasketed PVC pipe indicate the maximum and minimum depth of insertion of the spigot into the bell. The contractor shall not over insert or over home the spigot into the bell of PVC pipe.
  - All changes in horizontal or vertical direction of PVC water pipe shall be made with standard bends, 5-degree sweeps or high deflection (HD) couplings. No bending of the pipe or deflecting of PVC pipe joints is permitted. Where high deflection couplings or 5-degree sweeps are permitted, the contractor shall provide one full pipe length (20-foot long) on either side of the high deflection coupling or 5-degree sweep. The contractor shall use a vibratory plate compactor or other approved means to thoroughly compact the #1 stone on both sides of the high deflection coupling or 5-degree sweep, taking care not to use compaction equipment directly over the fitting. PVC high deflection couplings shall be limited to a total deflection of 3-degrees (1 1/2-degree on either end of the coupling), shall be rated for a minimum 200 psi meeting the requirements of ANNA C-900, shall have a minimum lay length of 4-inches and shall have center stops. PVC high deflection couplings shall be CertainTeed PVC High Deflection (HD) Stop Couplings or equal. Five degree sweeps shall be bell by spigot, rated for a minimum 225 psi, DR18 meeting the requirements of ANNA C-900 and shall be Multi Fittings (MF) Blue Brute DR18 or equal.
  - When PVC high deflection couplings or PVC 5-degree sweeps are used to facilitate changes in horizontal or vertical alignments of ANNA C-900 PVC pipelines, the contractor shall install devices for the prevention of over-insertion of the PVC pipe spigots or plain ends into the push on bell joints of the high deflection couplings and 5-degree sweeps. Bell stops shall be placed at the proper insertion line for the fitting. The bell stop shall be manufactured of ductile iron and incorporate an expansion retention spring to allow for pipe expansion and contraction. The bell stops shall be Series 5000 Mega-Stop, as manufactured by EBAA Iron, Inc. or approved equal.
  - For single family dwellings, the fire sprinkler code requires a minimum 1-1/4" MHC with a 1" meter, outside setting.
- Part III SEWER**
- 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 R.T. in plan and profile shall have watertight frame and cover, Standard Detail 65.52. 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 "C.N.S." indicates that the cellar cannot be served.

CONTRACT No. 24-4834-D  
 MAPLE LAWN FARMS  
 GARDEN DISTRICT - AREA 2  
 LOTS 115 THRU 159, OPEN SPACE LOTS 160 and 161,  
 COMMON OPEN AREA LOT 162,  
 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 14-118; FOR SEDIMENT AND EROSION CONTROL.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
 Signature: John R. Blanton  
 DATE: 10/16/14

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 Signature: Paul Edmiston  
 DATE: 10-22-14  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

GLW Gutschick Little & Weber, P.A.  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MARYLAND 20866  
 TEL: 301-421-4024 FAX: 301-421-4188  
 DATE: OCT., 2014  
 G.L.W. No. 13-001

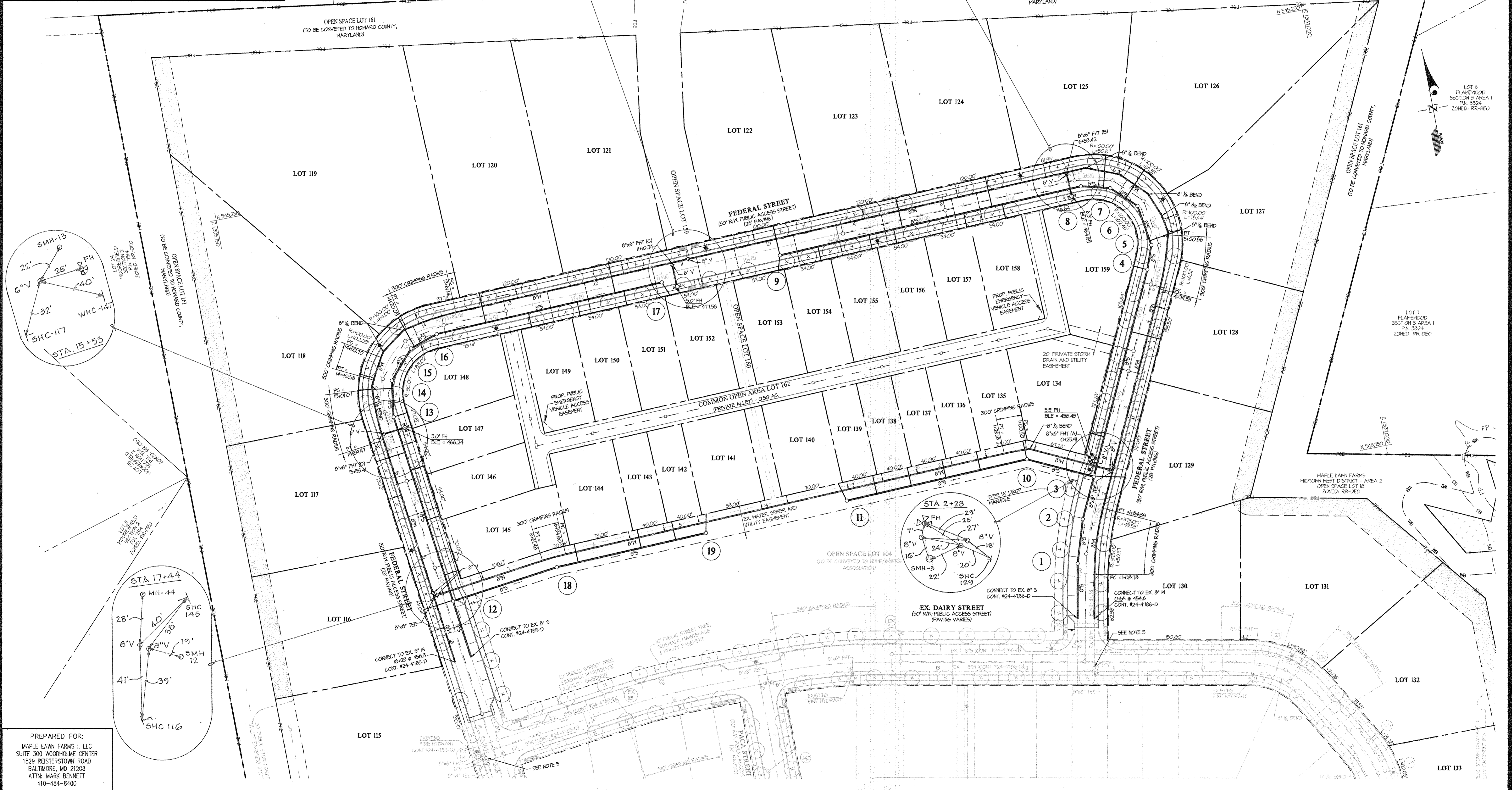
PROFESSIONAL CERTIFICATION  
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12875  
 EXP. DATE: MAY 26, 2016  
 Signature: Mark Bennett  
 DATE: 10-21-14

BY	NO	REVISION	DATE

WATER and SEWER  
 TITLE SHEET  
 600' SCALE MAP NO. 41  
 BLOCK NO. 14, 15, 20 & 21

PREPARED FOR:  
 MAPLE LAWN FARMS I, LLC  
 SUITE 300 WOODHOLME CENTER  
 1829 REISTERSTOWN ROAD  
 BALTIMORE, MD 21208  
 ATTN: MARK BENNETT  
 410-484-8400  
 SCALE AS SHOWN  
 SHEET 1 OF 4

- NOTES:**
1. ALL SHC'S SHOWN SERVING NUMBERED LOTS ARE 4" AND SLOPE AT 2%.
  2. ALL SEWER MAINS WILL BE PUBLIC AND ALL MANHOLES WILL BE STANDARD 4'-0" (6 5/12).
  3. OUTSIDE METERS WILL BE PER HOWARD COUNTY DETAIL W 3.32 FOR TWIN CONNECTIONS AND DETAIL W 3.28 FOR SINGLE CONNECTIONS.
  4. ALL MHC'S SHOWN SERVING NUMBERED LOTS ARE 1 1/2".
  5. EXISTING VALVE TO BE CLOSED BY DPM FOR CONSTRUCTION.
  6. EXISTING 8" M IS D.I.P. AND EXISTING 8" S IS PVC.
  7. SEE SHEET 4 FOR LOCATION OF FITTINGS, FIRE HYDRANTS, AND MANHOLES BY COORDINATE.
  8. SEE SHEET 3 FOR PROFILES OF UTILITIES WITHIN FEDERAL STREET AND SHEET 4 FOR PROFILES WITHIN OPEN SPACE LOT 104.



PREPARED FOR:  
 MAPLE LAWN FARMS I, LLC  
 SUITE 300 WOODHOLME CENTER  
 1829 REISTERSTOWN ROAD  
 BALTIMORE, MD 21238  
 ATTN: MARK BENNETT  
 410-484-8400

DEPARTMENT OF  
 PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*Steve C. Gorman*  
 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF  
 PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND

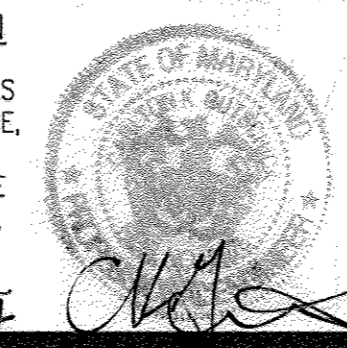
*John E. Edwards*  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

**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: 301-988-2524 FAX: 301-421-4186

DATE: OCT., 2014  
 G.L.W. No. 13-001

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, 2016

*[Signature]*



BY	NO	REVISION	DATE

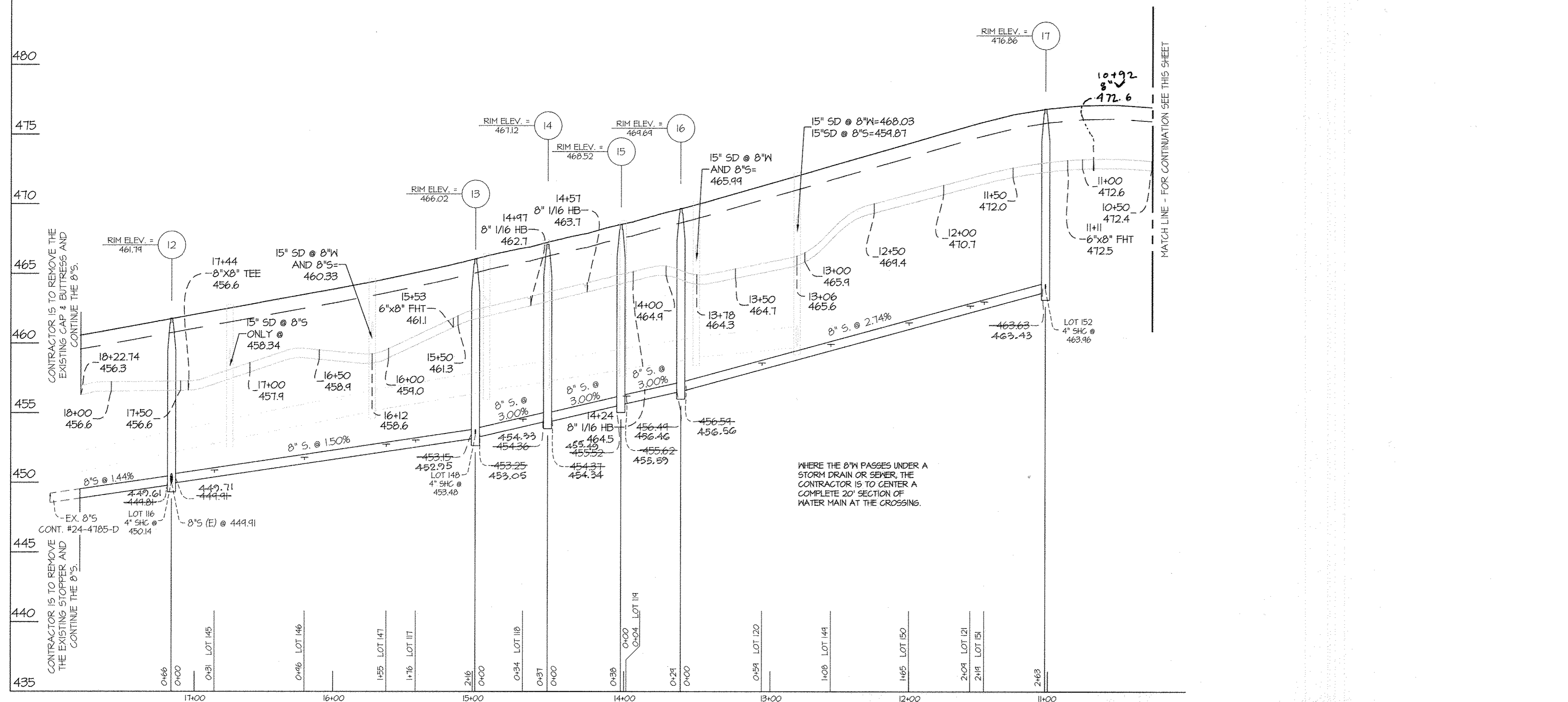
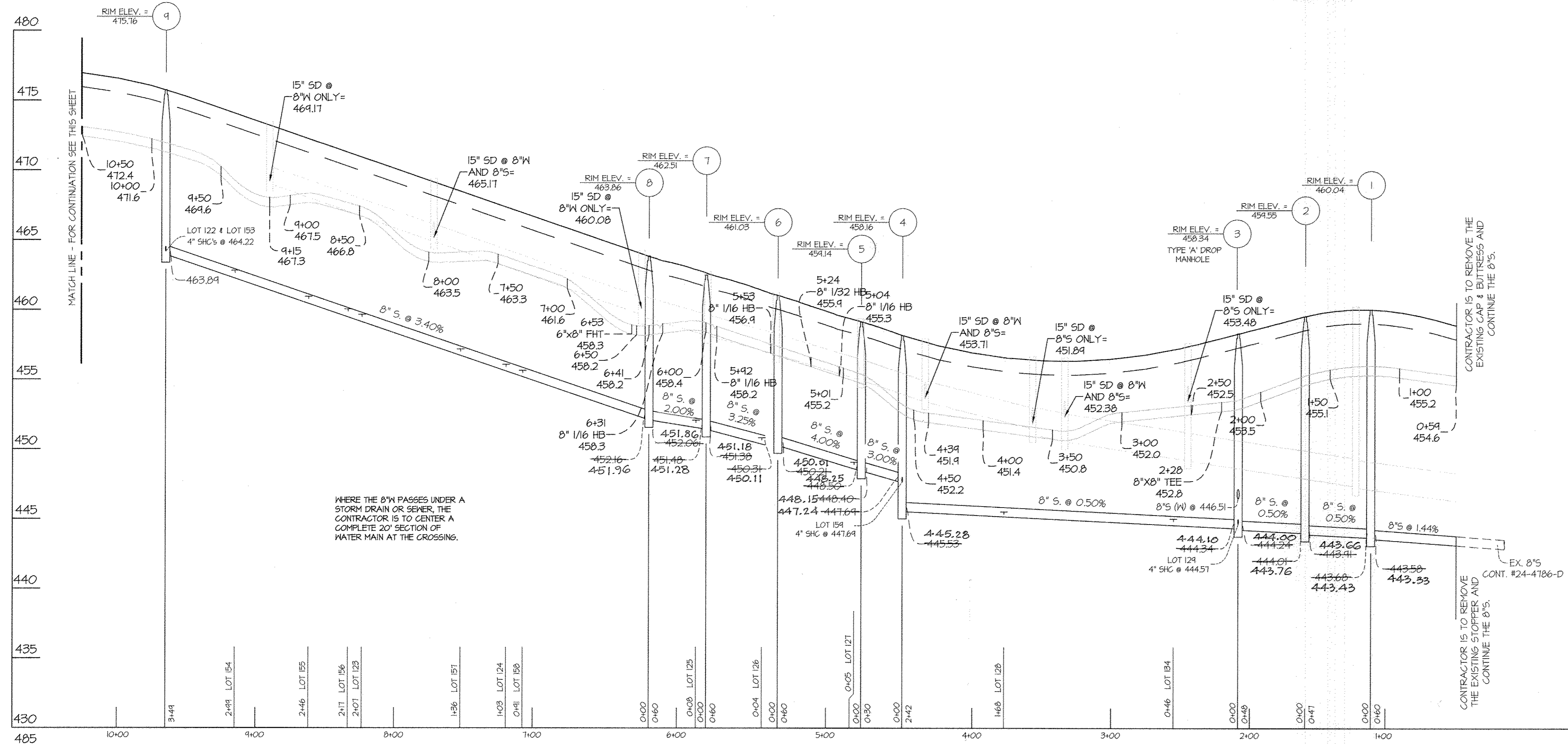
WATER and SEWER  
 PLAN

600' SCALE MAP NO. 41 BLOCK NO.14,15,20&21

**MAPLE LAWN FARMS**  
 CONTRACT No. 24-4834-D  
 GARDEN DISTRICT - AREA 2  
 LOTS 115 thru 159  
 OPEN SPACE LOTS 160 and 161  
 COMMON OPEN AREA LOT 162  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

SCALE  
 1" = 50'

SHEET  
 2 OF 4



PREPARED FOR:  
 MAPLE LAWN FARMS I, LLC  
 SUITE 300 WOODHOLME CENTER  
 1829 REGISTERSTOWN ROAD  
 BALTIMORE, MD 21208  
 ATTN: MARK BENNETT  
 410-484-8400

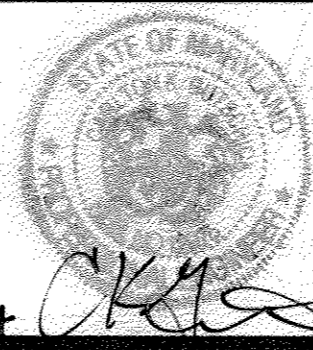
DEPARTMENT OF  
 PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF  
 PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND

**GLW** GUTSCHICK LITTLE & WEBER, P.A.  
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DATE  
 OCT.,  
 2014

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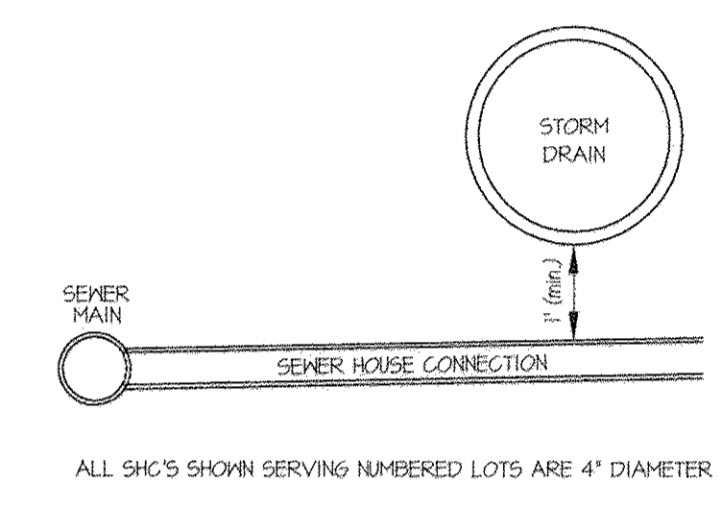
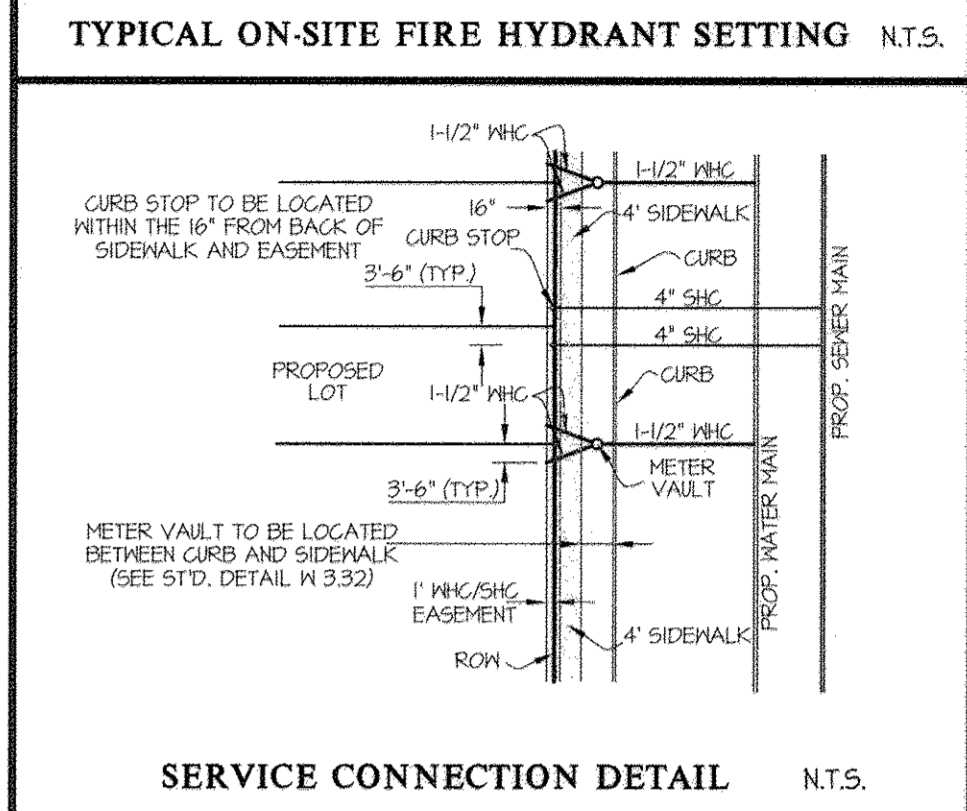
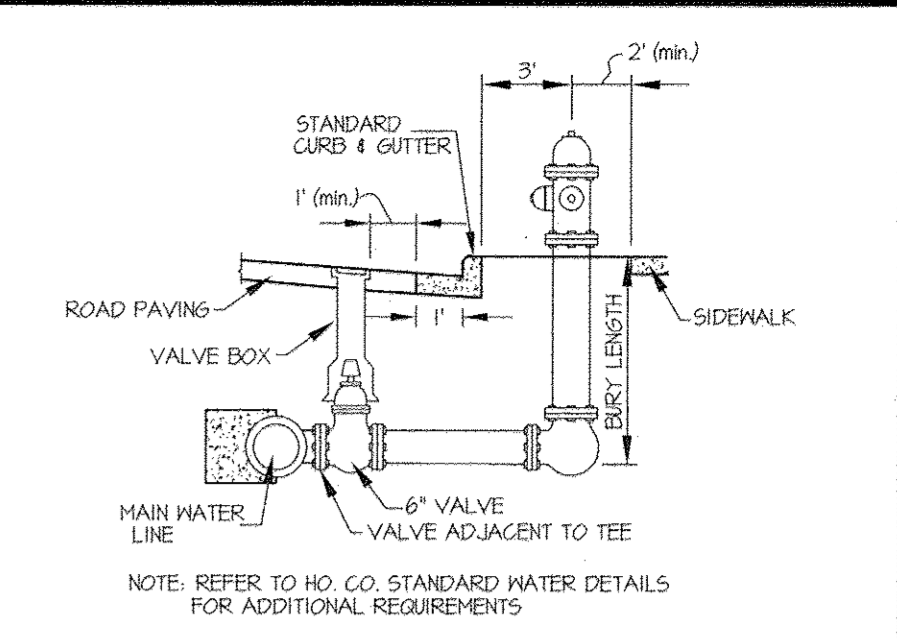
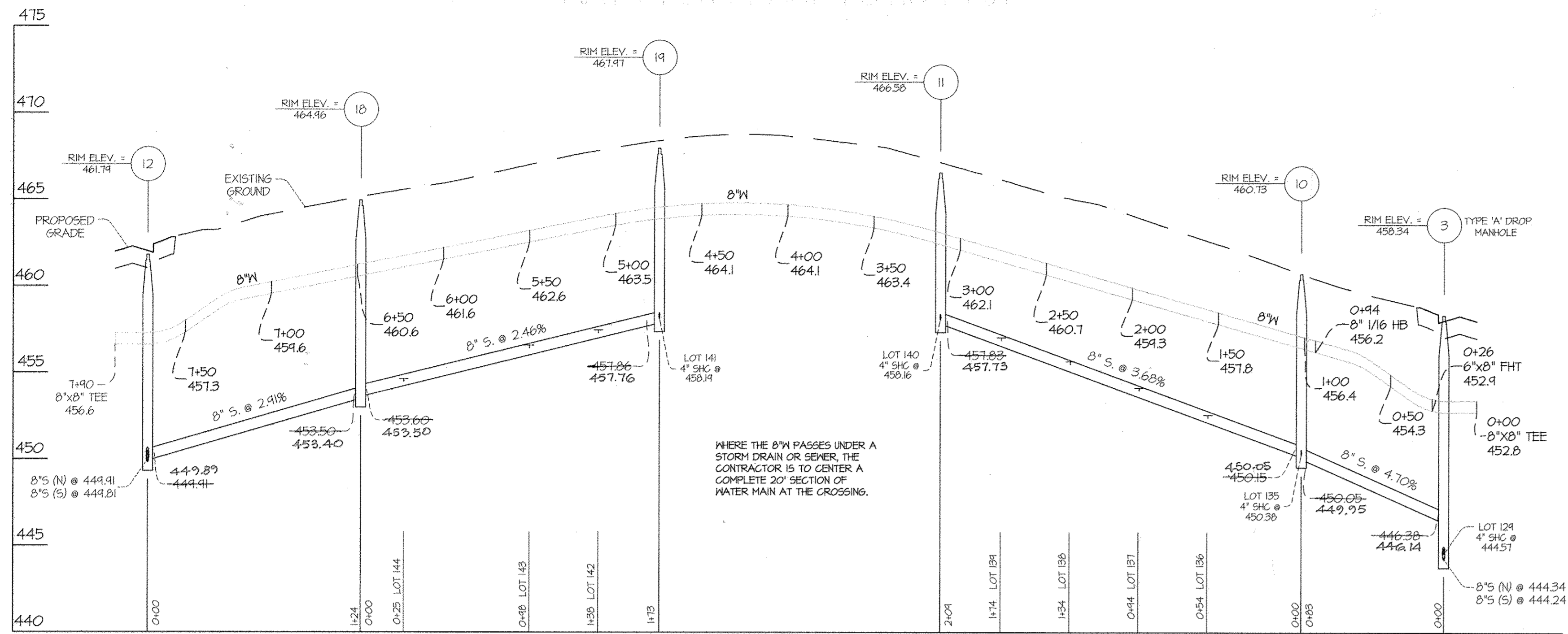


BY	NO	REVISION	DATE
10-1-14			

600' SCALE MAP NO. 41  
 BLOCK NO. 14, 15, 20 & 21

**MAPLE LAWN FARMS**  
 CONTRACT No. 24-4834-D  
 GARDEN DISTRICT - AREA 2  
 LOTS 115 thru 159  
 OPEN SPACE LOTS 160 and 161  
 COMMON OPEN AREA LOT 162  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

SCALE  
 1"=50' (H)  
 1"=5' (V)  
 SHEET  
 3 OF 4



AS-BUILT INFORMATION						AS-BUILT INFORMATION					
LOT #	ADDRESS	WATER HOUSE CONNECTION AS BUILT		SEWER HOUSE CONNECTION AS BUILT		LOT #	ADDRESS	WATER HOUSE CONNECTION AS BUILT		SEWER HOUSE CONNECTION AS BUILT	
		LOCATION DIM. 1	LOCATION DIM. 2	LOCATION DIM. 1	LOCATION DIM. 2			LOCATION DIM. 1	LOCATION DIM. 2	LOCATION DIM. 1	LOCATION DIM. 2
115	FEDERAL STREET	WHC 45' MH-19	WHC 73' MH-16	SHC 23' WV	SHC 50' MH-44	130	FEDERAL STREET	WHC 13' SHC-139	WHC 30' SHC-138	SHC 31' WHC-135	SHC 13' WHC-137
116	FEDERAL STREET	WHC 39' WV	WHC 35' SMH-12	SHC 23' WV	SHC 50' MH-44	131	FEDERAL STREET	WHC 18' SMH-11	WHC 30' SHC-139	SHC 43' SMH-11	SHC 13' WHC-138
117	FEDERAL STREET	WHC 91' MH-44	WHC 24' MH-29	SHC 57' FHT	SHC 43' MH-29	140	FEDERAL STREET	WHC 30' WHC-141	WHC 60' SMH-11	SHC 60' WHC-140	SHC 12' WHC-139
118	FEDERAL STREET	WHC 47' MH-32	WHC 19' MH-39	SHC 39' SMH-14	SHC 47' SMH-13	141	FEDERAL STREET	WHC 30' WHC-140	WHC 70' SMH-19	SHC 13' WHC-142	SHC 23' WHC-141
119	FEDERAL STREET	WHC 30' MH-34	WHC 55' MH-35	SHC 30' SMH-15	SHC 48' SMH-16	142	FEDERAL STREET	WHC 17' SMH-19	WHC 31' SHC-142	SHC 11' WHC-143	SHC 41' SMH-19
120	FEDERAL STREET	WHC 7' I-39	WHC 27' MH-38	SHC 50' MH-35	SHC I-39	143	FEDERAL STREET	WHC 47' SMH-19	WHC 31' SHC-143	SHC 13' WHC-144	SHC 79' SMH-19
121	FEDERAL STREET	WHC 16' SHC-121	WHC 48' SMH-17	SHC WHC-150	SHC 64' SMH-17	144	FEDERAL STREET	WHC 23' SHC-144	WHC 13' SHC-143	SHC 33' SMH-18	SHC 63' WHC-144
122	FEDERAL STREET	WHC 89' WV	WHC 35' SMH-9	SHC WHC-153	SHC 83' I-20	145	FEDERAL STREET	WHC 43' SMH-12	WHC 23' SHC-145	SHC 39' SMH-12	SHC 29' MH-44
123	FEDERAL STREET	WHC 29' MH-19	WHC 39' SHC-123	SHC 67' MH-19	SHC 58' MH-16	146	FEDERAL STREET	WHC 36' I-31	WHC 13' SHC-146	SHC 61' MH-44	SHC 47' I-31
124	FEDERAL STREET	WHC 25' MH-16	WHC 30' SHC-124	SHC 60' MH-16	SHC 68' I-17	147	FEDERAL STREET	WHC 43' MH-29	WHC 19' FHT	SHC 28' MH-29	SHC 49' FHT
125	FEDERAL STREET	WHC 67' SHC-124	WHC 43' FHT	SHC 45' SMH-8	SHC 39' SMH-7	148	FEDERAL STREET	WHC 20' MH-34	WHC 22' SMH-16	SHC 19' FHT	SHC 39' SMH-14
126	FEDERAL STREET	WHC 31' SMH-7	WHC 18' SHC-126	SHC 39' MH-13	SHC 35' MH-12	149	FEDERAL STREET	WHC 22' SMH-9	WHC 49' SMH-9	SHC 37' MH-38	SHC 27' WHC-149
127	FEDERAL STREET	WHC 39' SMH-6	WHC 39' SMH-5	SHC 33' MH-12	SHC 37' SMH-5	150	FEDERAL STREET	WHC 13' SHC-150	WHC 54' SHC-121	SHC 86' MH-38	SHC 15' WHC-150
128	FEDERAL STREET	WHC 30' MH-8	WHC 36' SHC-128	SHC 34' MH-7	SHC 64' MH-8	151	FEDERAL STREET	WHC 12' SMH-17	WHC 23' FHT	SHC 48' SMH-17	SHC 61' FHT
129	FEDERAL STREET	WHC 34' MH-4	WHC 42' MH-3	SHC 43' FHT	SHC 18' WV	152	FEDERAL STREET	WHC 28' FHT	WHC 34' WV	SHC 12' FHT	SHC 36' WV
(130)	FEDERAL STREET					153	FEDERAL STREET	WHC 70' WV	WHC 48' SMH-9	SHC 53' SHC-122	SHC 70' MH-19
(131)	DAIRY STREET					154	FEDERAL STREET	WHC 22' SMH-9	WHC 64' MH-19	SHC 49' SMH-9	SHC 44' MH-19
(132)	DAIRY STREET					155	FEDERAL STREET	WHC 26' SHC-154	WHC 21' MH-19	SHC 35' MH-19	SHC 93' MH-16
(133)	DAIRY STREET					156	FEDERAL STREET	WHC 45' MH-19	WHC 73' MH-16	SHC 58' MH-19	SHC 66' MH-16
134	FEDERAL STREET	WHC 10' SHC-138	WHC 17' SMH-10	SHC 23' FHT	SHC 14' I-3	157	FEDERAL STREET	WHC 20' MH-16	WHC 56' SHC-158	SHC 35' MH-16	SHC 24' I-17
135	FEDERAL STREET	WHC 47' SMH-10	WHC 40' SHC-135	SHC 45' WHC-135	SHC 16' WHC-134	158	FEDERAL STREET	WHC 43' MH-16	WHC 46' SHC-124	SHC 71' MH-16	SHC 30' FHT
136	FEDERAL STREET	WHC 13' SHC-137	WHC 40' WHC-135	SHC 31' WHC-136	SHC 13' WHC-135	159	FEDERAL STREET	WHC 11' SMH-7	WHC 27' SMH-6	SHC 33' MH-5	SHC 31' MH-5
137	FEDERAL STREET	WHC 13' SHC-138	WHC 31' SHC-137	SHC 30' WHC-137	SHC 12' WHC-136						

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.
(115)	447.63	448.27	454.63	138	455.18	455.02	460.18
116	450.14	450.82	457.14	139	456.65	457.04	461.65
117	452.64	453.37	459.64	140	458.16	458.84	463.86
118	454.36	455.06	461.66	141	459.14	458.87	463.84
119	455.85	456.53	463.85	142	457.12	457.80	462.12
120	458.27	458.95	465.67	143	456.13	456.81	461.13
121	462.38	462.70	464.78	144	454.34	455.02	460.04
122	464.22	464.52	471.12	145	450.52	451.20	456.42
123	454.30	454.62	466.00	146	451.44	452.13	456.74
124	455.76	456.08	462.46	147	452.38	453.06	457.68
125	451.77	452.04	458.47	148	453.48	453.84	454.28
126	450.55	450.87	457.25	149	454.64	460.28	465.24
127	448.79	449.07	455.49	150	461.17	461.61	466.77
128	445.34	445.66	452.74	151	462.65	463.33	468.25
129	444.57	444.85	451.97	152	463.96	464.64	469.56
(130)	440.67	440.94	448.87	153	464.22	464.90	464.82
(131)	438.76	439.00	444.06	154	462.43	463.11	468.03
(132)	436.66	436.94	445.46	155	462.63	461.31	466.23
(133)	435.10	435.46	441.20	156	454.64	460.32	465.24
134	444.73	445.04	451.63	157	458.84	457.53	462.44
135	450.38	450.74	456.68	158	455.36	456.04	460.86
136	452.23	452.54	457.23	159	447.64	448.35	453.54
137	453.71	454.07	458.71				

FITTING CHART		
STATION	FITTING	LOCATION
FEDERAL STREET		
2+28.10	8\"/>	

SEWER MANHOLE INFORMATION	
MH	LOCATION
1	N 544,685.71 E 1,336,632.90
2	N 544,718.14 E 1,336,648.04
3	N 544,718.28 E 1,336,664.24
4	N 544,995.73 E 1,336,712.95
5	N 545,021.81 E 1,336,782.48
6	N 545,068.15 E 1,336,775.44
7	N 545,043.70 E 1,336,744.00
8	N 545,022.03 E 1,336,716.86
9	N 545,040.36 E 1,336,368.31
10	N 544,811.91 E 1,336,348.74
11	N 544,804.43 E 1,336,340.18
12	N 544,718.57 E 1,336,493.94
13	N 544,944.65 E 1,336,405.22
14	N 545,035.18 E 1,336,910.91
15	N 545,066.76 E 1,336,934.34
16	N 545,071.06 E 1,336,910.65
17	N 545,095.78 E 1,336,231.44
18	N 544,793.64 E 1,336,054.24
19	N 544,794.41 E 1,336,227.07

FIRE HYDRANT TEE INFORMATION	
FHT	LOCATION
(A)	N 544,799.53 E 1,336,671.77
(B)	N 545,042.48 E 1,336,704.64
(C)	N 545,077.65 E 1,336,247.58
(D)	N 544,860.53 E 1,336,915.44

NOTE: ( ) DENOTE LOTS WHOSE SEWER HOUSE CONNECTIONS WERE PROVIDED UNDER CONTRACT # 24-4785-D. INFORMATION WAS TAKEN FROM THOSE APPROVED PLANS.

PREPARED FOR:  
 MAPLE LAWN FARMS I, LLC  
 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: 10-22-14	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND Chief, Development Engineering Division DATE: 10-22-14	<b>GLW</b> GUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONTVILLE OFFICE PARK BURTONTVILLE, MARYLAND 20866 TEL: 301-421-4024 FAX: 301-421-4188	DATE: OCT., 2014 G.L.W. No. 13-001	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, 2016	WATER and SEWER PROFILES 600' SCALE MAP NO. 41 BLOCK NO.14,15,20&21	MAPLE LAWN FARMS CONTRACT No. 24-4834-D GARDEN DISTRICT - AREA 2 LOTS 115 thru 159 OPEN SPACE LOTS 160 and 161 COMMON OPEN AREA LOT 162 HOWARD COUNTY, MARYLAND ELECTION DISTRICT No. 5	SCALE: 1"=50' (H) 1"=5' (V) SHEET: 4 OF 4
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