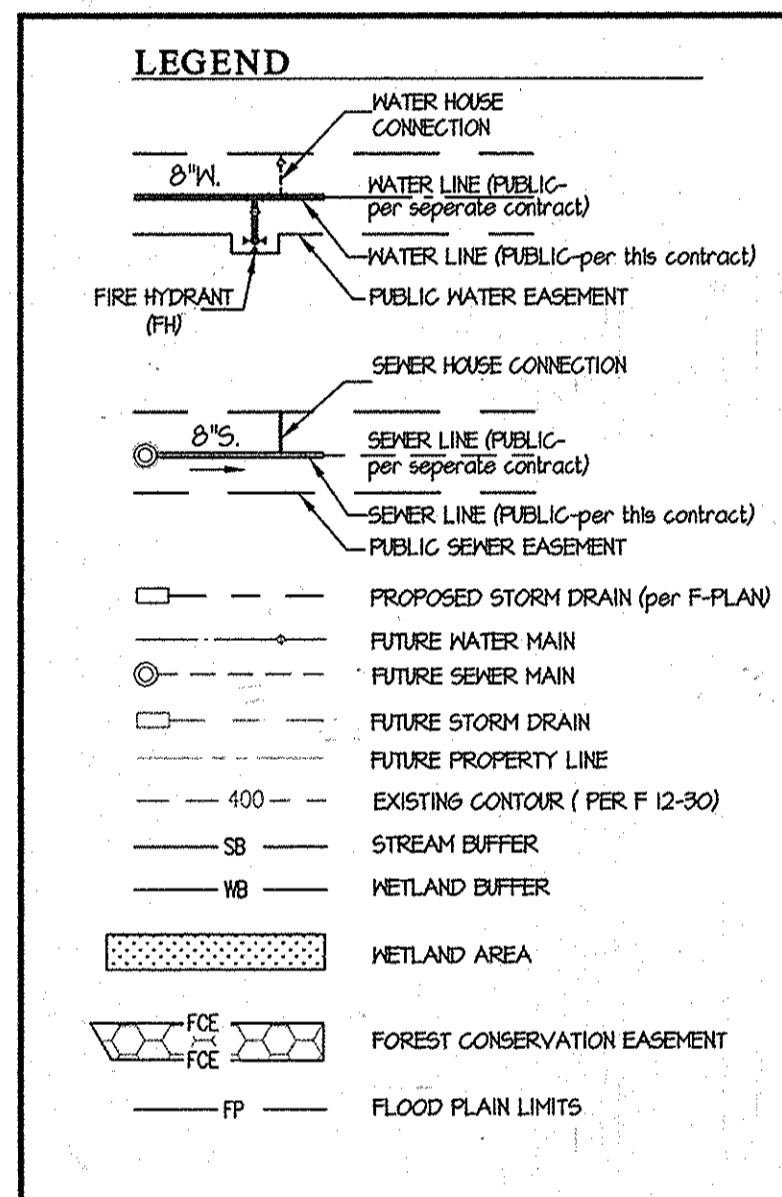


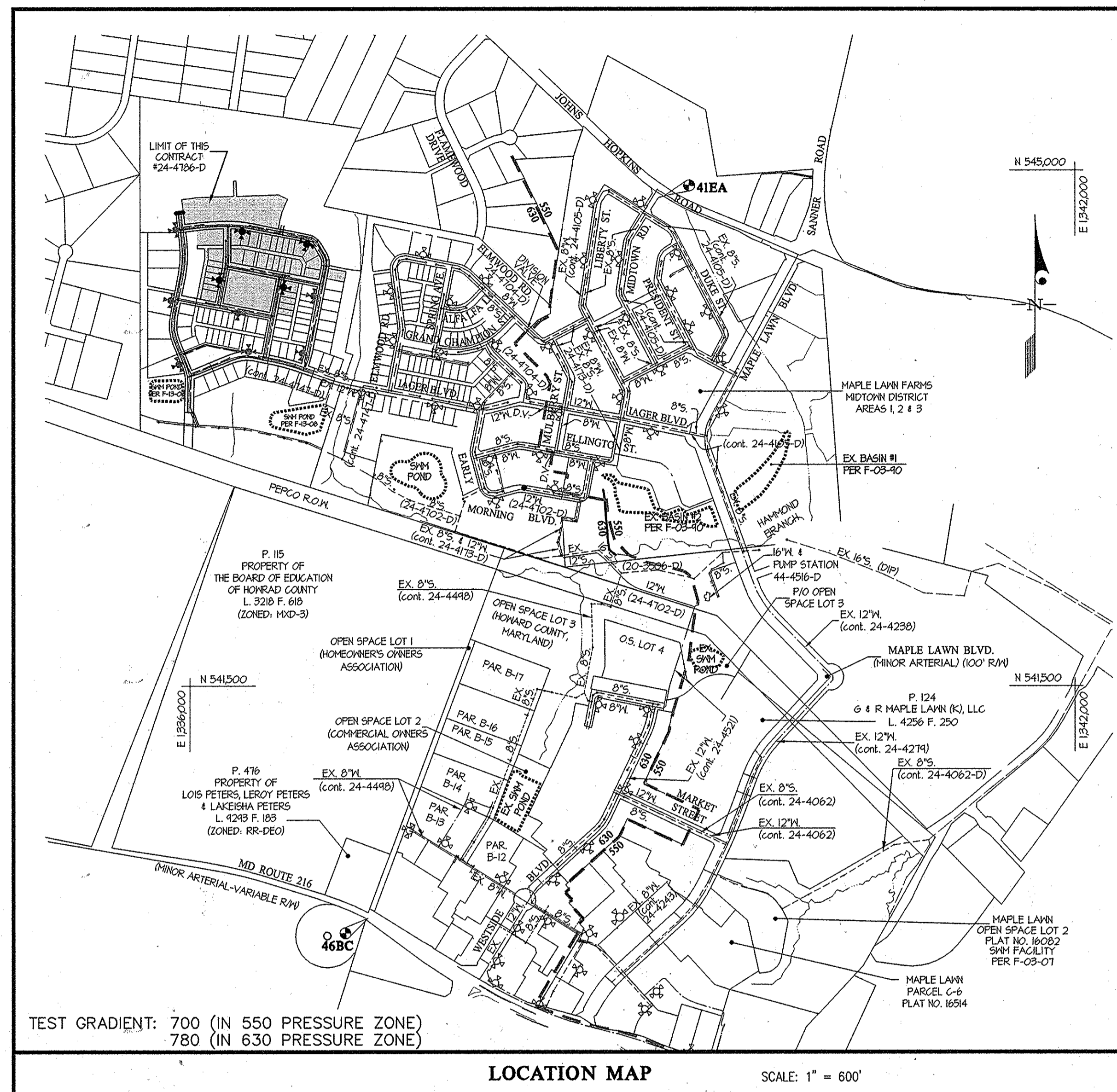
QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER MAIN (D.I.P.)	2276 L.F.	2232 L.F.	CL 54	Atlantic States
6" WATER MAIN (D.I.P.)	70 L.F.	67 L.F.	CL 54	Atlantic States
8"x8" TEE	4 EA.	4 EA.	M.J.	Tyler/Union Foundry
8" 1/16 HB	1 EA.	1 EA.	M.J.	Tyler/Union Foundry
8" 1/32 HB	3 EA.	3 EA.	M.J.	Tyler/Union Foundry
8" VALVE	8 EA.	8 EA.	M.J.	Tyler/Union Foundry
6" VALVE	4 EA.	4 EA.	M.J.	Tyler/Union Foundry
8" CAP & BUTTRESS	1 EA.	1 EA.	M.J.	Tyler/Union Foundry
8"x6" FHT Fire Hydrant	4 EA.	2 EA.	5" B 84 B	American Flow Control Centurion
MANHOLES (STANDARD)	12 EA.	12 EA.	Standard	Atlantic Concrete
MANHOLES (TYPE 'A' DROP)	1 EA.	1 EA.	Type A	Atlantic Concrete
8" SEWER MAIN (PVC)	1106 L.F.	1098 L.F.	SDR-35	National Pipe&Plastics
8" SEWER MAIN (DIP)	564 L.F.	564 L.F.	CL 54	Atlantic States
4" SHC	616 L.F.	DIP 247 L.F. PVC 427 L.F. DIP 674 L.F.	SDR-35 CL 54	National Pipe&Plastics Atlantic States

NAME OF UTILITY CONTRACTOR: GRAY & SON

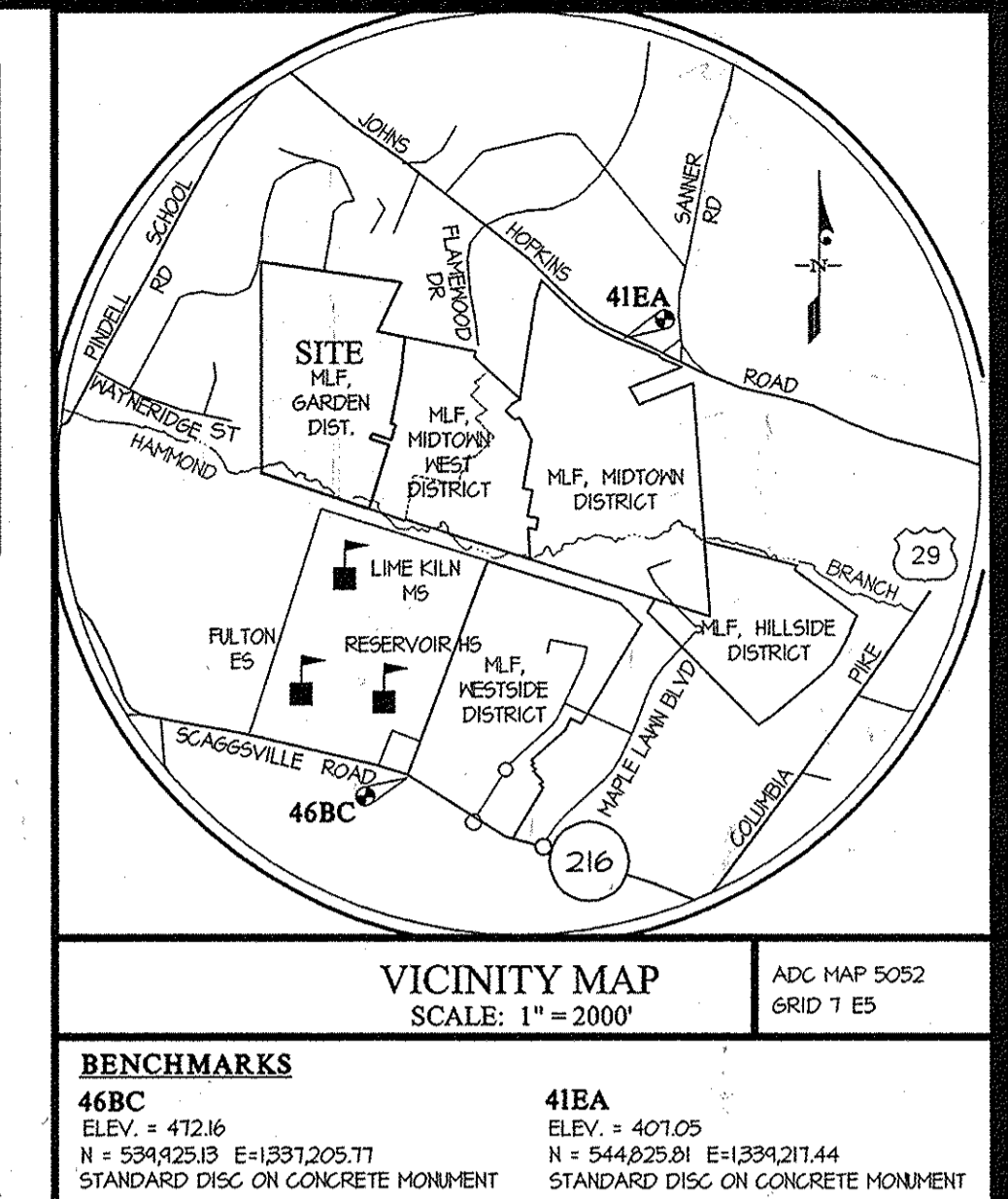
SURVEY AND DRAFTING DIV. CHECKBOX: AS-BUILT DATE: 9-10-15



- SHEET INDEX**
1. WATER and SEWER TITLE SHEET
  2. WATER and SEWER PLAN
  3. WATER and SEWER PROFILE
  4. WATER and SEWER PROFILE, CHARTS and DETAILS



TYPE OF BUILDING	RESIDENTIAL
NUMBER OF UNITS	33
NUMBER OF S.H.C.'s	34 (24 PROP. & 5 FUTURE)
NUMBER OF W.H.C.'s	34 SINGLE (24 PROP. & 5 FUTURE)
AREA OF COMMERCIAL LOT/PARCEL	0.0 AC.
SEWER SHED	LITTLE PATUXENT
PUMPING STATION	N/A



**GENERAL NOTES**

- Part I**
1. 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.
  2. Topographic field surveys were performed on March, 1911 by SDI and then updated by grade checks performed by Gutschick, Little & Weber, PA on or about June, 2001. The boundary information is based upon a field survey prepared by Gutschick, Little & Weber, PA on or about June, 2001.
  3. Horizontal and Vertical Survey Controls:  
The coordinates shown on the drawings are based on Maryland State Reference System NAD 83/11 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.
  4. 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 bracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
  5. 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.
  6. 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.
  7. The contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:  
AT&T.....1-800-252-4133  
BGE (Construction Services).....410-637-8715  
BGE (Emergency).....410-695-0123  
Bureau of Utilities.....410-313-4920  
Colonial Pipeline Co.....410-785-1940  
Miss Utility.....1-800-251-7777  
State Highway Administration.....410-591-5033  
Verizon.....1-800-743-0033
  8. 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.
  9. 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.
  10. The contractor shall notify the Bureau of Highways, Howard County, at (410)-313-1450 at least five working days before open cutting or boring/lacking 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 1214(a) of the Howard County Code.
- Part II WATER**
1. All water mains shall be D.I.P. Class 54 unless otherwise noted.
  2. Taps of all water mains shall have a minimum of 3'-6" of cover unless otherwise noted.
  3. Valves adjacent to tees shall be strapped to tees.
  4. All fittings shall be buttressed or anchored with concrete in accordance with Standard Details unless otherwise provided for on the drawings.
  5. 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.
  6. The contractor shall not operate any water main valves on the existing water system.
  7. Tracer wires and continuity test stations shall be installed on all DIP and PVC water mains in accordance with the Howard County Design Manual.
  8. For PVC water mains, all records for the Quality Control and Qualification Test Requirements noted in Section 51 of the ANVA Standard C400 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.
  9. 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 ductile iron fittings including restraints and hammers. Twelve (12) pound Zinc anodes shall be installed on all stainless steel fittings and saddles used with PVC mains. All 1000's used with PVC mains shall be ductile iron.
  10. 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 insert or over home the spigot into the bell of PVC pipe.
  11. 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 #51 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 (12-degree on either end of the coupling). They shall be rated for a minimum 200 psi meeting the requirements of ANVA C400, shall have a minimum lay length of 4-inches and shall have center stops. PVC high deflection couplings shall be Gutschick 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 ANVA C400 and shall be Multi Fittings (MFI) Blue Brute DR18 or equal.
  12. When PVC high deflection couplings or PVC 5-degree sweeps are used to facilitate changes in horizontal or vertical alignments of ANVA C-400 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 joint on both sides 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 made 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.
- Part III SEWER**
1. All sewer mains shall be D.I.P. or P.V.C. unless otherwise noted.
  2. All manholes shall be 4'-0" inside diameter unless otherwise noted.
  3. Force mains shall be D.I.P. only.
  4. Manholes shown with 12" and 16" walls are for brick manholes only.
  5. Manholes designated W.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.
  6. House(s) with the symbol EC-N.S.A. indicates that the cellar cannot be served.

CONTRACT No. 24-4786-D ( PHASE 2 )  
 MAPLE LAWN FARMS  
 GARDEN DISTRICT - AREA 1  
 LOT 1 and LOTS 46 thru 77, OPEN SPACE LOT 101 thru 104  
 COMMON OPEN AREA LOTS 109 and 110  
 and NON-BUILDABLE BULK PARCEL 'Y'  
 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 14-033; FOR SEDIMENT AND EROSION CONTROL.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

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 5/8/14  
 HOWARD S.C.D.

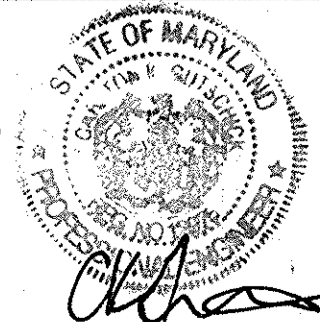
DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND

GLW GUTSCHICK LITTLE & WEBER, P.A.  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONVILLE OFFICE PARK  
 BURTONVILLE, MARYLAND 20886  
 TEL: 301-421-4024 BALT: 410-388-1820 DC/VA: 301-988-2524 FAX: 301-421-4166

DATE APRIL, 2014  
 G.L.W. No. 12001

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



BY	NO	REVISION	DATE

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

MAPLE LAWN FARMS  
 CONTRACT No. 24-4786-D ( PHASE 2 )  
 GARDEN DISTRICT - AREA 1  
 LOTS 1, 46 thru 77, OPEN SPACE LOT 101 thru 104,  
 COMMON OPEN AREA LOTS 109 and 110  
 AND NON-BUILDABLE BULK PARCEL 'Y'  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

SCALE AS SHOWN  
 SHEET 1 OF 4

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

FITTING CHART		
STATION	FITTING	LOCATION
DAIRY STREET		
T+28.83	8" 1/2 HB	N 544355.24 E 1336410.17
T+60.63	8" 1/2 HB	N 544387.06 E 1336408.72
T+92.44	8" 1/2 HB	N 544417.58 E 1336407.26
T+124.24	8" 1/2 HB	N 544450.20 E 1336405.80
T+156.04	8" 1/2 HB	N 544482.82 E 1336404.34
T+187.84	8" 1/2 HB	N 544515.44 E 1336402.88
T+219.64	8" 1/2 HB	N 544548.06 E 1336401.42
T+251.44	8" 1/2 HB	N 544580.68 E 1336399.96
T+283.24	8" 1/2 HB	N 544613.30 E 1336398.50
CHOPTANK STREET		
S+13.00	8" 1/2 TEE	N 544270.15 E 1336605.75
HOLSTEIN STREET		
T+24.00	8" 1/2 TEE	N 544270.15 E 1336605.75
T+39.16	8" 1/2 TEE	N 544345.91 E 1336251.72
PACA STREET		
T+28.74	8" 1/2 TEE	N 544345.91 E 1336251.72
T+58.84	8" 1/2 TEE	N 544620.66 E 1336238.64

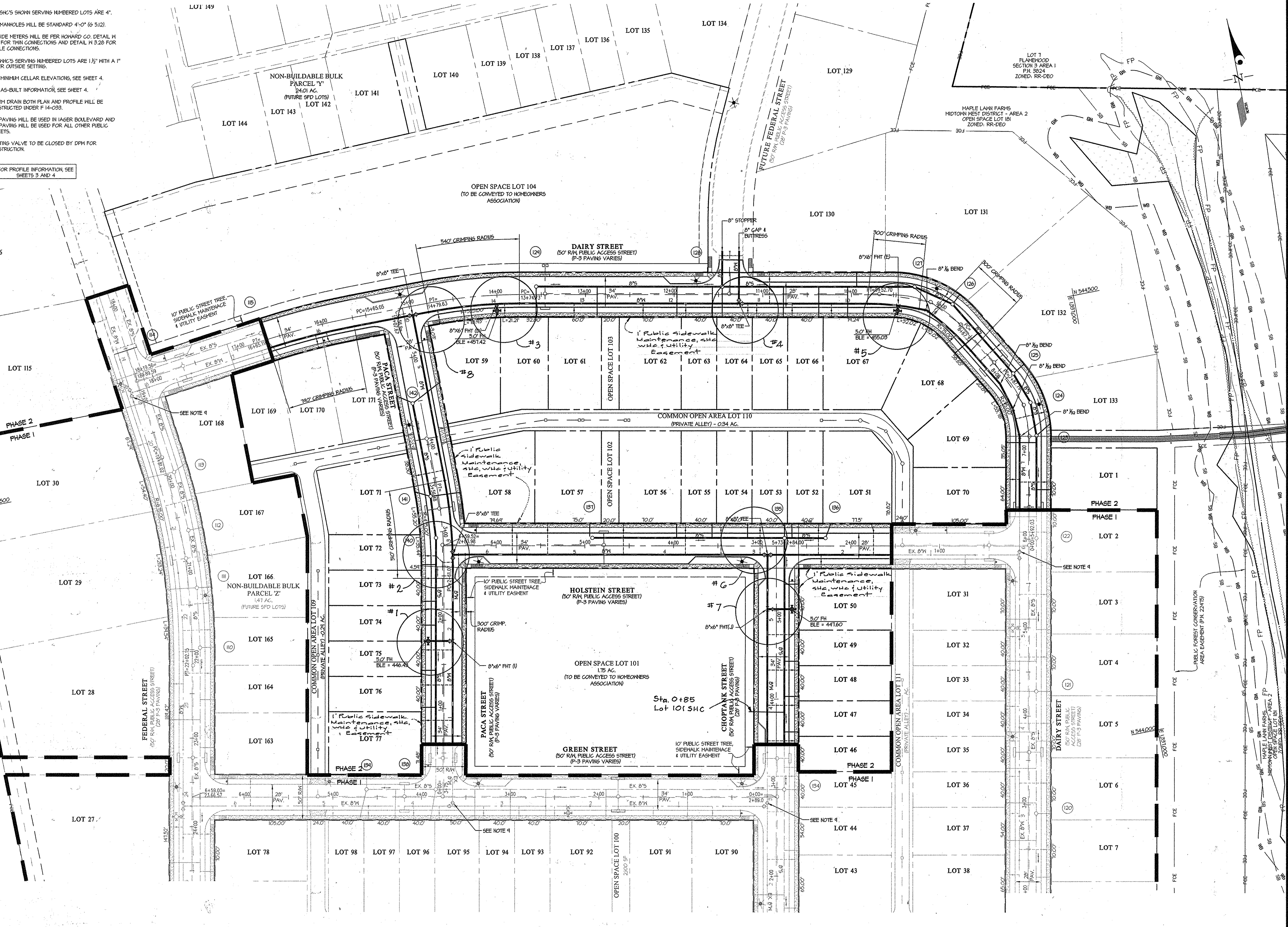
FIRE HYDRANT TEE INFORMATION		
FHT	LOCATION	STACK HEIGHT
(D)	N 544604.91 E 1336351.43	5
(E)	N 544526.73 E 1336804.05	5
(J)	N 544271.45 E 1336293.99	5
(N)	N 544250.48 E 1336238.64	5

SEWER MANHOLE INFORMATION	
MH	LOCATION
123	N 544352.44 E 1336428.48
124	N 544390.53 E 1336424.50
125	N 544428.24 E 1336418.61
126	N 54456.45 E 1336864.55
127	N 544543.83 E 1336826.17
128	N 544585.40 E 1336613.30
129	N 544625.61 E 1336407.38
130	N 544243.13 E 1336628.17
131	N 544204.26 E 1336673.51
132	N 544324.66 E 1336415.52
133	N 544368.48 E 1336242.32
134	N 544415.15 E 1336245.28
135	N 544522.61 E 1336245.44

- NOTES:
- ALL SHC'S SHOWN SERVING NUMBERED LOTS ARE 4".
  - ALL MANHOLES WILL BE STANDARD 4'-0" (9 5/12).
  - OUTSIDE METERS WILL BE PER HOWARD CO. DETAIL H 3.32 FOR TYPICAL CONNECTIONS AND DETAIL H 3.28 FOR SINGLE CONNECTIONS.
  - ALL SHC'S SERVING NUMBERED LOTS ARE 1 1/2" WITH A 1" METER OUTSIDE SETTING.
  - FOR MINIMUM CELLAR ELEVATIONS, SEE SHEET 4.
  - FOR AS-BUILT INFORMATION, SEE SHEET 4.
  - STORM DRAIN BOTH PLAN AND PROFILE WILL BE CONSTRUCTED UNDER F 14-035.
  - P-5 PAVING WILL BE USED IN LAGER BOULEVARD AND P-3 PAVING WILL BE USED FOR ALL OTHER PUBLIC STREETS.
  - EXISTING VALVE TO BE CLOSED BY DPM FOR CONSTRUCTION.

FOR PROFILE INFORMATION SEE SHEETS 3 AND 4

LOT 116



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

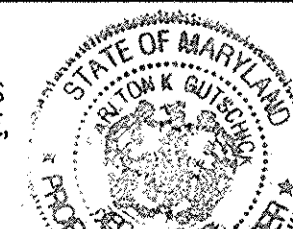
DEPARTMENT OF  
PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF  
PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

**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 BAL: 410-880-1829 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE  
APRIL,  
2014

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. 12375  
EXP. DATE: MAY 26, 2016



G.L.W. No.

12001

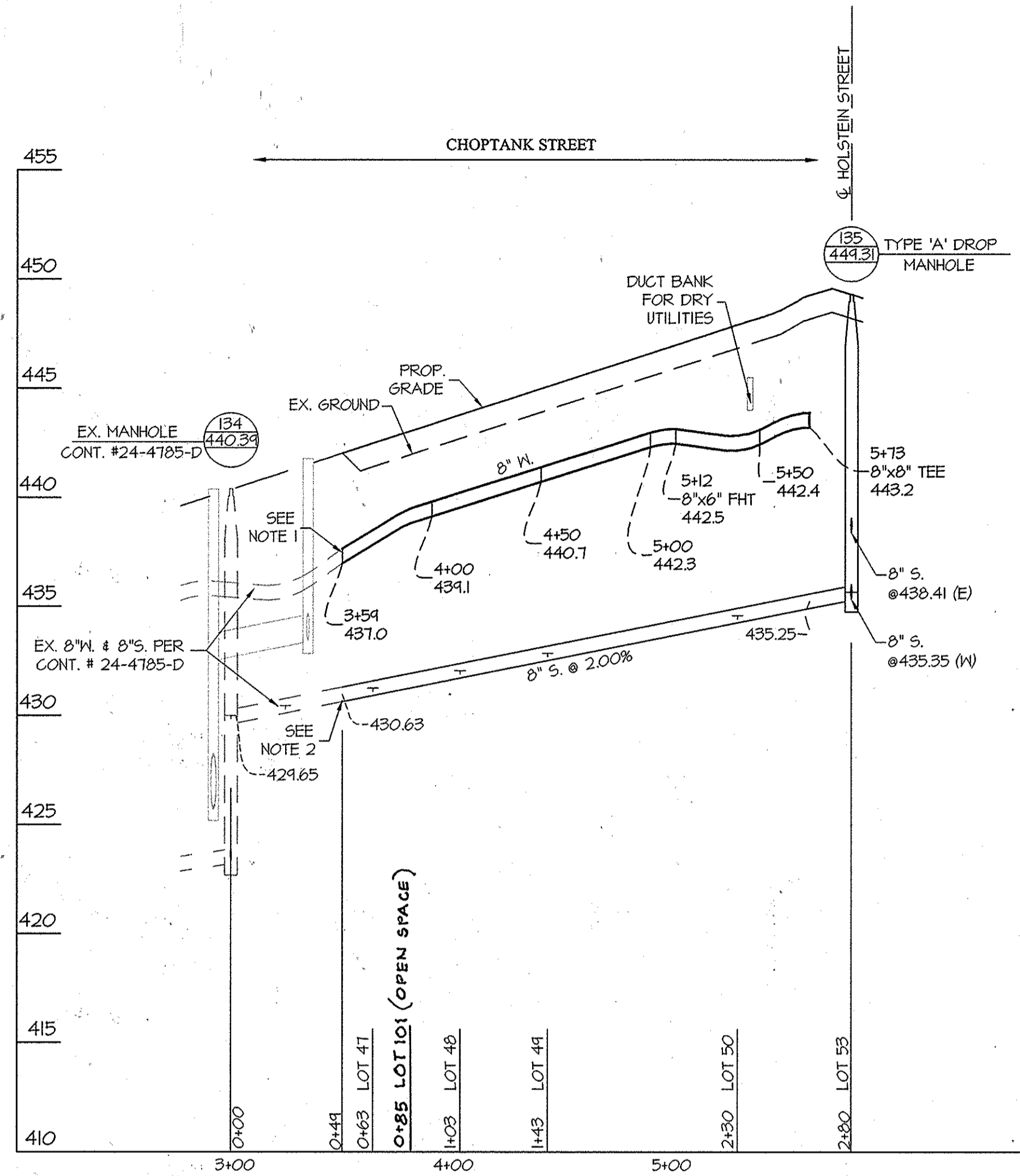
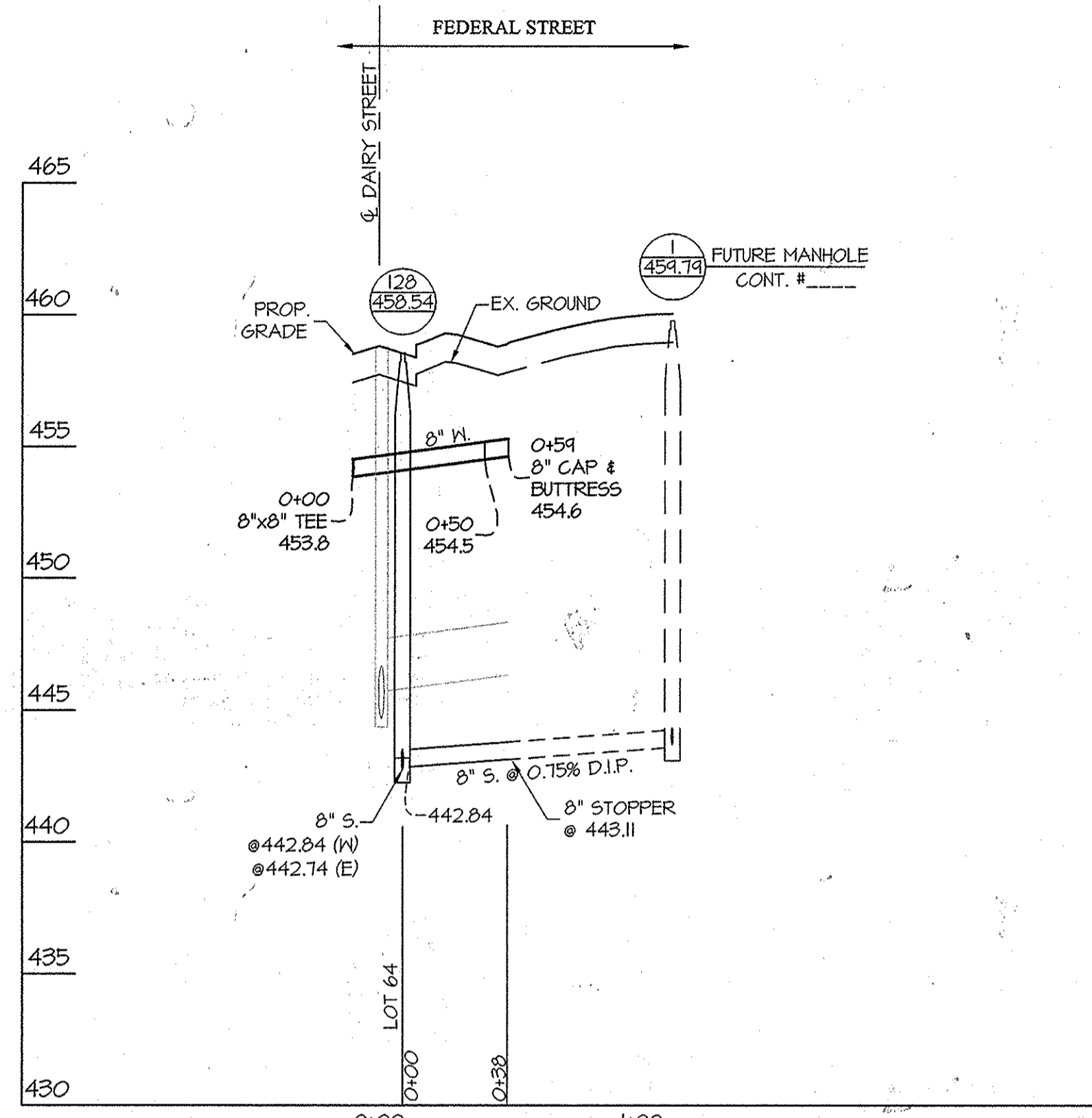
BY NO REVISION DATE

WATER and SEWER  
PLAN

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

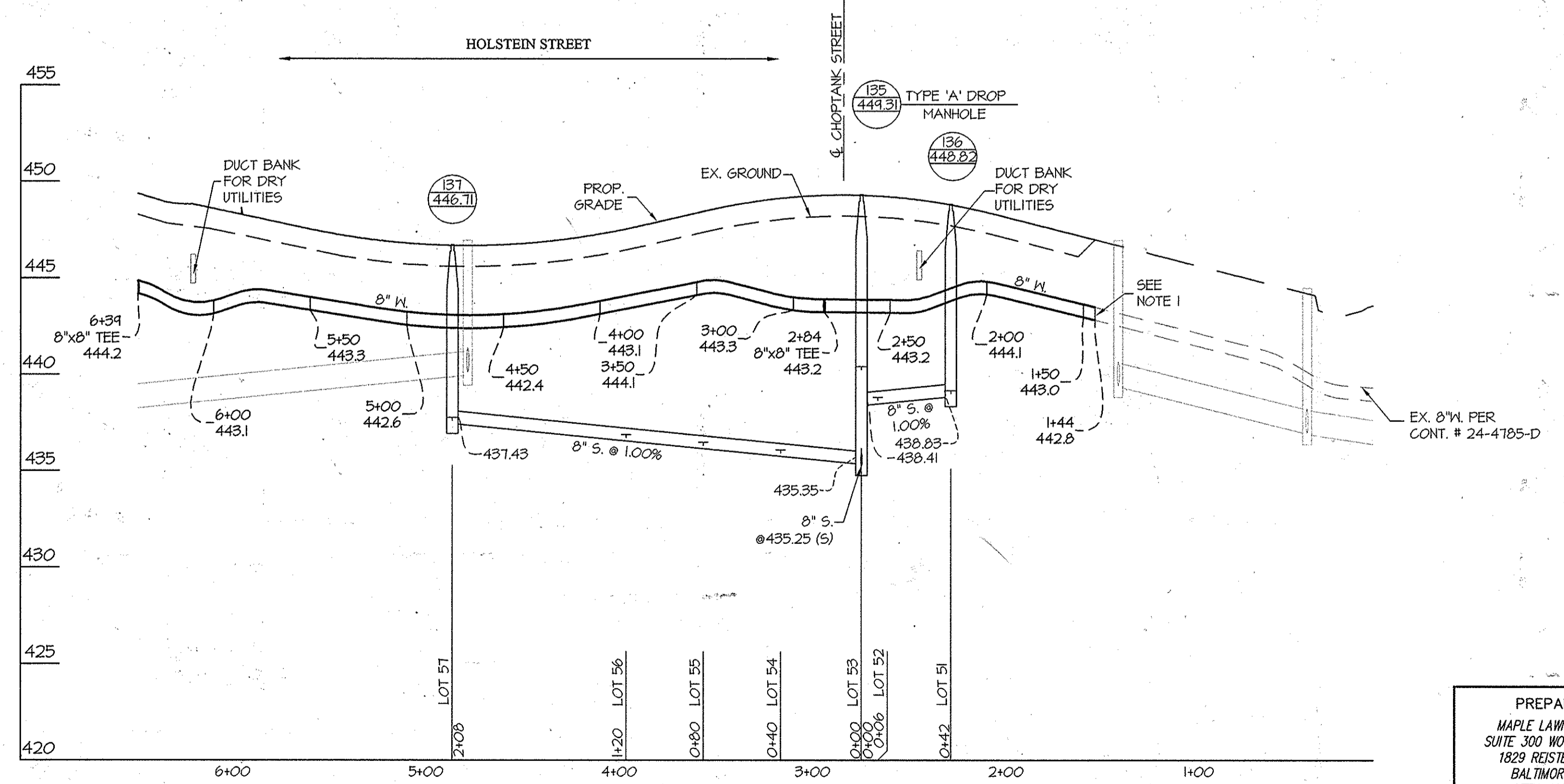
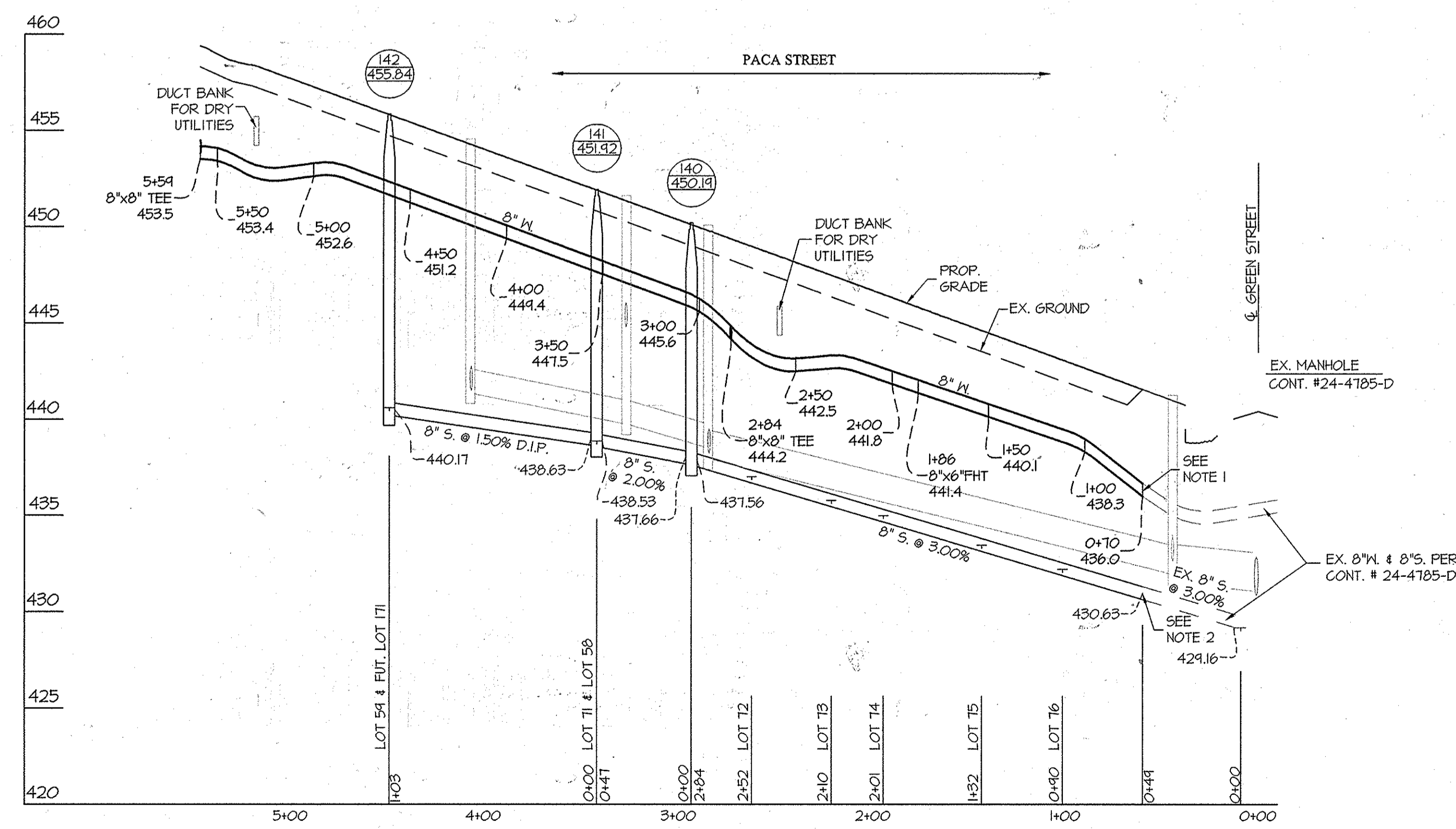
**MAPLE LAWN FARMS**  
CONTRACT No. 24-4786-D (PHASE 2)  
GARDEN DISTRICT - AREA 1  
LOTS 1, 46 thru 77, OPEN SPACE LOT 101 thru 104,  
COMMON OPEN AREA LOTS 109 and 110  
AND NON-BUILDABLE BULK PARCEL 'Y'  
HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT No. 5

SCALE  
1" = 50'  
SHEET  
2 OF 4



NOTES:

1. CONTRACTOR IS TO REMOVE THE EXISTING CAP AND BUTTRESS AND CONTINUE 8" M.
2. CONTRACTOR IS TO REMOVE THE EXISTING 8" STOPPER AND CONTINUE 8" S.
3. WHERE THE 8" M PASSES UNDER A STORM DRAIN, THE CONTRACTOR IS TO CENTER A COMPLETE 20' LENGTH OF WATER MAIN AT THE CROSSING.



PREPARED FOR:  
 MAPLE LAWN FARMS I, LLC  
 GARDEN DISTRICT - AREA 1 (PHASE 2)  
 LOTS 1, 46-77, OPEN SPACE LOTS 101-105,  
 COMMON OPEN AREA LOTS 109-110  
 AND NON-BUILDABLE BULK PARCELS 'Y' thru 'Z'  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

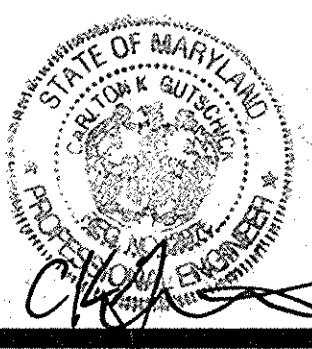
DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Chief, Bureau of Utilities  
 Date

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 20886  
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE: APRIL, 2014  
 G.L.W. No. 12001

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 28, 2015  
 412414

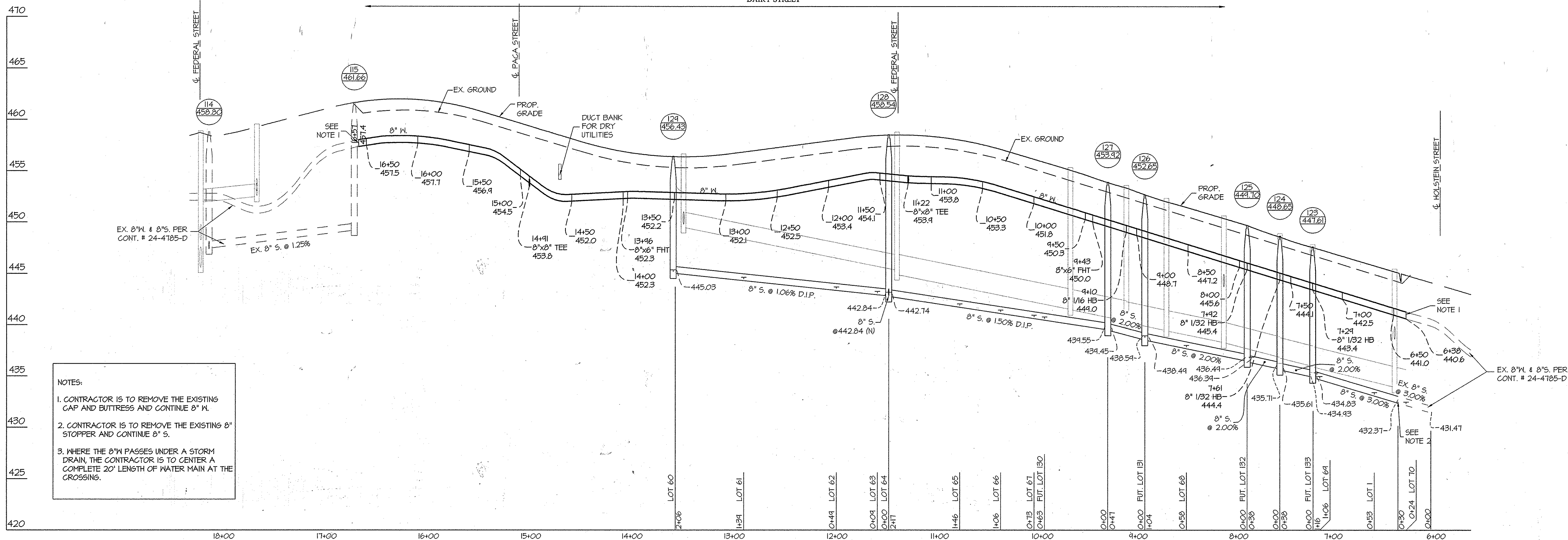


BY	NO	REVISION	DATE

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

MAPLE LAWN FARMS  
 CONTRACT No. 24-4786-D  
 GARDEN DISTRICT - AREA 1 (PHASE 2)  
 LOTS 1, 46-77, OPEN SPACE LOTS 101-105,  
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 AND NON-BUILDABLE BULK PARCELS 'Y' thru 'Z'  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

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

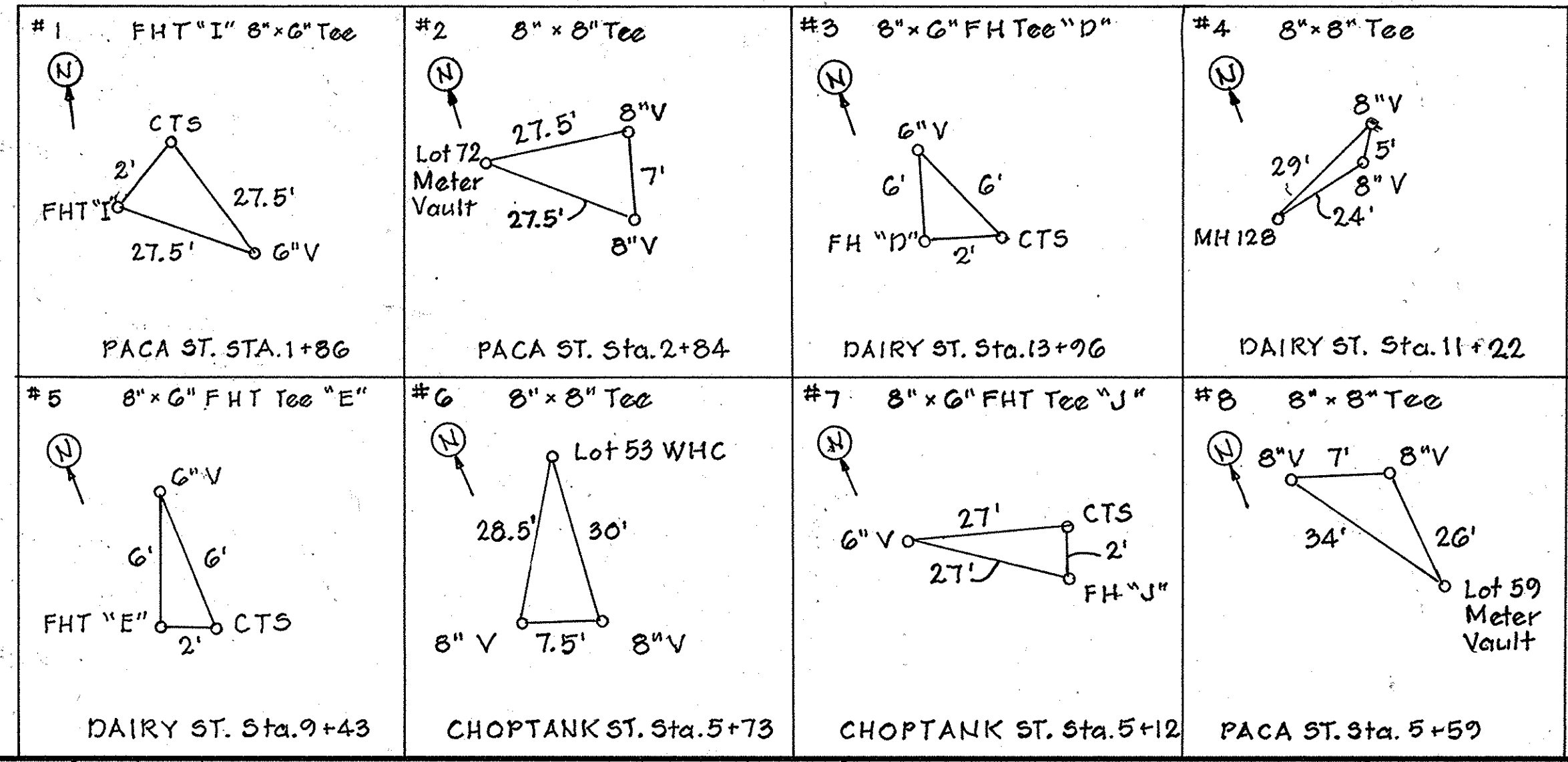
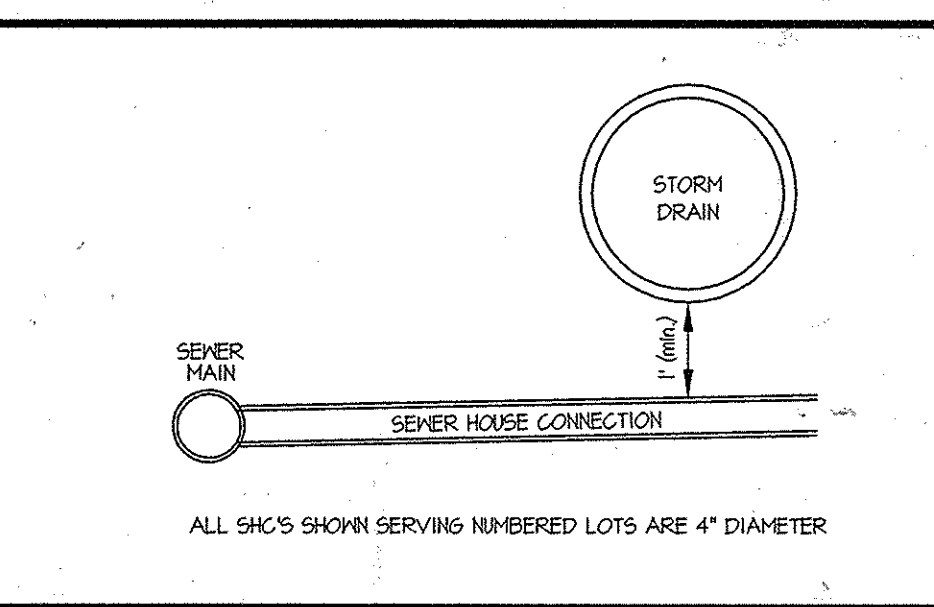
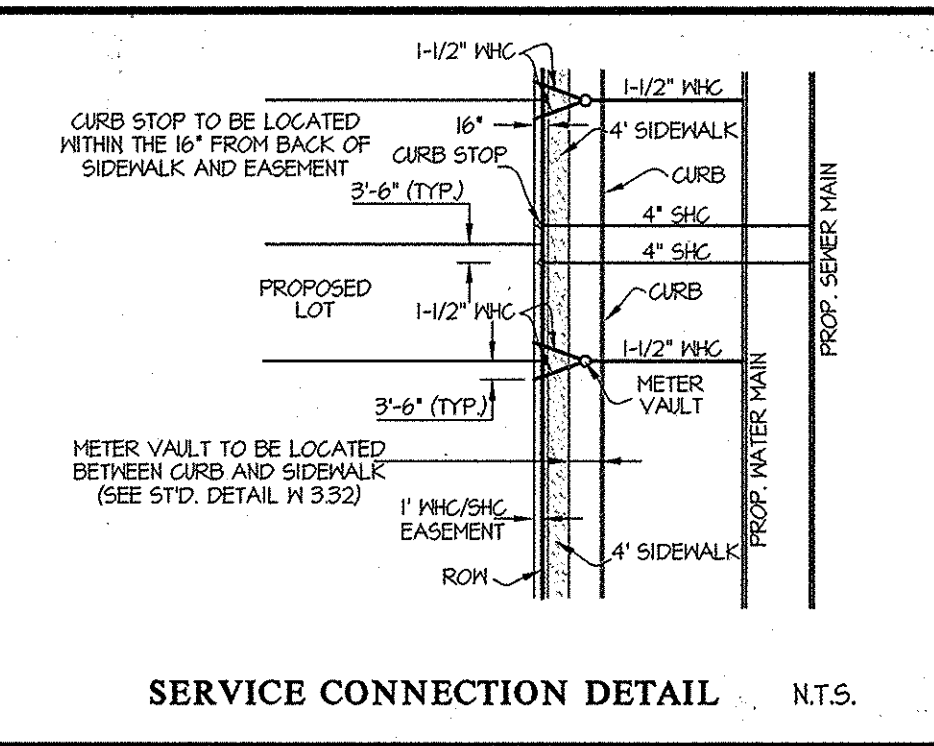
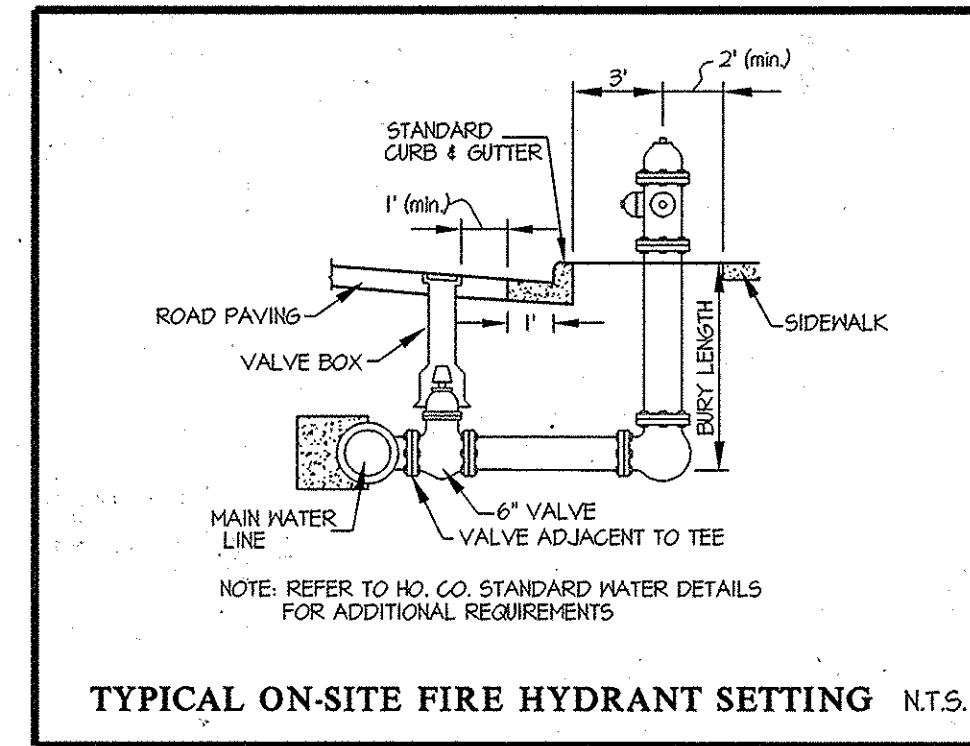


NOTES:  
 1. CONTRACTOR IS TO REMOVE THE EXISTING CAP AND BUTTRESS AND CONTINUE 8" W.  
 2. CONTRACTOR IS TO REMOVE THE EXISTING 8" STOPPER AND CONTINUE 8" S.  
 3. WHERE THE 8" W PASSES UNDER A STORM DRAIN, THE CONTRACTOR IS TO CENTER A COMPLETE 20' LENGTH OF WATER MAIN AT THE CROSSING.

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	DAIRY STREET	11' to lot 1 SHC	77' to lot 133 WHC	61.5' to lot 70 SHC	11' to lot 1 WHC
(46)	CHOPTANK STREET	13' to lot 47 SHC	53' to lot 101 SHC	30' to lot 46 WHC	41' to lot 47 SHC
47	CHOPTANK STREET	30' to lot 47 SHC	13' to lot 48 SHC	13' to lot 46 WHC	41' to lot 46 SHC
48	CHOPTANK STREET	30' to lot 48 SHC	14' to lot 49 SHC	13' to lot 47 WHC	53' to lot 101 SHC
49	CHOPTANK STREET	29' to lot 49 SHC	37' to lot 48 WHC	14' to lot 48 WHC	29' to lot 49 SHC
50	CHOPTANK STREET	33' to lot 50 SHC	35' to lot 52 WHC	99' to lot 49 WHC	33' to lot 50 WHC
51	HOLSTEIN STREET	87' to lot 50 WHC	47' to lot 51 SHC	47' to lot 51 WHC	17' to lot 52 WHC
52	HOLSTEIN STREET	35' to lot 50 WHC	32' to lot 52 SHC	32' to lot 52 WHC	7' to lot 52 SHC
53	HOLSTEIN STREET	28' to lot 53 SHC	18' to lot 54 SHC	53' to lot 53 WHC	7' to lot 52 SHC
54	HOLSTEIN STREET	31' to lot 54 SHC	14' to lot 55 SHC	18' to lot 53 WHC	31' to lot 54 WHC
55	HOLSTEIN STREET	31' to lot 55 SHC	14' to lot 56 SHC	14' to lot 54 WHC	31' to lot 55 WHC
56	HOLSTEIN STREET	61' to lot 56 SHC	36' to lot 57 WHC	14' to lot 55 WHC	61' to lot 56 WHC
57	HOLSTEIN STREET	39' to lot 58 WHC	49' to lot 57 SHC	36' to lot 56 WHC	49' to lot 57 WHC
58	HOLSTEIN STREET	39' to lot 57 WHC	68' to lot 58 SHC	68' to lot 58 WHC	49' to lot 57 WHC
59	DAIRY STREET	72' to lot 59 SHC	73' to lot 60 WHC	72' to lot 59 WHC	107' to lot 60 WHC
60	DAIRY STREET	35' to lot 60 SHC	73' to lot 59 WHC	35' to lot 60 WHC	45' to lot 61 WHC
61	DAIRY STREET	27' to lot 61 SHC	45' to lot 60 SHC	21' to lot 61 WHC	52' to lot 62 WHC
62	DAIRY STREET	38' to lot 62 SHC	52' to lot 61 SHC	38' to lot 62 WHC	13' to lot 63 WHC
63	DAIRY STREET	31' to lot 63 SHC	13' to lot 62 SHC	31' to lot 63 WHC	10' to lot 64 SHC
64	DAIRY STREET	30' to lot 64 SHC	10' to lot 65 WHC	30' to lot 64 WHC	42' to lot 63 WHC
65	DAIRY STREET	31' to lot 65 SHC	10' to lot 64 WHC	13' to lot 66 WHC	31' to lot 65 SHC
66	DAIRY STREET	13' to lot 65 SHC	31' to lot 66 SHC	19' to lot 67 WHC	31' to lot 66 WHC
67	DAIRY STREET	20' to lot 67 SHC	19' to lot 66 SHC	20' to lot 67 WHC	19' to lot 66 WHC
68	DAIRY STREET	92' to lot 69 WHC	15' to lot 68 SHC	15' to lot 68 WHC	53' to lot 131 WHC
69	DAIRY STREET	39.5' to lot 69 SHC	93' to lot 68 SHC	44' to lot 70 WHC	59.5' to lot 69 WHC
(10)	DAIRY STREET	43' to lot 70 SHC	44' to lot 69 SHC	43' to lot 70 WHC	61.5' to lot 1 SHC
71	PACA STREET	19.5' to lot 71 SHC	84' to lot 72 SHC	19.5' to lot 72 WHC	21' to lot SMH-141
72	PACA STREET	14' to lot 72 WHC	75' to lot 71 SHC	17' to lot 73 WHC	19.5' to lot 71 WHC
73	PACA STREET	28' to lot 73 SHC	17' to lot 72 SHC	12.5' to lot 74 WHC	28' to lot 73 WHC
74	PACA STREET	19.5' to lot 74 SHC	12.5' to lot 73 SHC	30' to lot 75 WHC	19.5' to lot 74 WHC
75	PACA STREET	30' to lot 74 SHC	26' to lot 75 SHC	19' to lot 76 WHC	26' to lot 75 WHC
76	PACA STREET	27' to lot 76 SHC	39' to lot 77 WHC	17' to lot 77 WHC	27' to lot 76 WHC
(77)	PACA STREET	17' to lot 76 SHC	39' to lot 76 WHC	89' to lot 77 WHC	137' to lot 101 WHC
101	Open Space Green/Choptank	95' to lot 77 WHC	137' to lot 77 SHC	53' to lot 46 WHC	53' to lot 48 SHC
FUT.130	DAIRY STREET	98' to lot 130 SHC	107' to lot 131 WHC	95' to lot 130 WHC	92' to lot 67 WHC
FUT.131	DAIRY STREET	53' to lot 68 WHC	15' to lot 131 SHC	15' to lot 131 WHC	58' to lot 132 WHC
FUT.132	DAIRY STREET	58' to lot 131 SHC	51' to lot 132 SHC	51' to lot 132 WHC	59.5' to lot 133 WHC
FUT.133	DAIRY STREET	77' to lot 1 SHC	58' to lot 132 SHC	74' to lot 132 SHC	75' to lot 1 SHC
FUT.171	DAIRY STREET	125' to lot 59 WHC	84' to lot 171 SHC	84' to lot 171 WHC	98' to lot 170 WHC

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	433.23	433.55	430.63				
46	430.28	430.60	434.60				
47	431.08	431.40	435.48				
48	431.88	432.20	436.28				
49	432.68	433.00	437.08				
50	434.42	434.74	439.32				
51	434.00	434.30	444				
52	436.64	436.96	443.04				
53	435.52	435.80	439.42				
54	435.42	436.24	440.32				
55	436.32	436.64	440.72				
56	436.72	437.04	441.62				
57	437.60	437.90	442.70				
58	438.70	439.34	444.00				
59	440.44	441.16	445.44				
60	445.20	445.84	450.10				
61	444.48	445.16	444.58				
62	443.53	444.21	448.83				
63	443.11	443.74	448.01				
64	443.01	443.65	447.91				
65	441.91	442.54	446.21				
66	441.31	441.91	446.41				
67	440.82	441.50	445.82				
68	437.82	438.50	442.82				
69	434.82	435.50	439.82				
70	432.30	432.98	437.50				
71	438.10	439.02	443.80				
72	436.84	437.21	441.34				
73	435.63	435.95	440.13				
74	435.36	435.68	439.66				
75	433.24	433.61	437.14				
76	432.03	432.35	436.53				
77	430.44	430.77	435.24				
FUT. 130	440.61	440.94	448.87				
FUT. 131	438.76	439.00	444.06				
FUT. 132	436.66	436.94	445.46				
FUT. 133	435.10	435.46	441.20				
FUT. 171	440.44	440.80	446.14				

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

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

GLWGUTSCHICK LITTLE & WEBER, P.A.  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTNSVILLE OFFICE PARK  
 BURTNSVILLE, MARYLAND 20866  
 TEL: 301-421-4024 FAX: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-6186

DATE: APRIL, 2014  
 G.L.W. No. 12001

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



BY	NO	REVISION	DATE

MAPLE LAWN FARMS  
 CONTRACT No. 24-4785-D  
 GARDEN DISTRICT - AREA 1 (PHASE 2)  
 LOTS 1, 46-77, OPEN SPACE LOTS 101-105,  
 COMMON OPEN AREA LOTS 109-110  
 AND NON-BUILDABLE BULK PARCELS 'Y' thru 'Z'  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

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

L:\CAD\DRAWINGS\2000 PLANS BY GUY W. VITALS\PHASE 2 (24-4785-D)\PLOT 2 (PHASE 2) - 11.11.14.dwg