

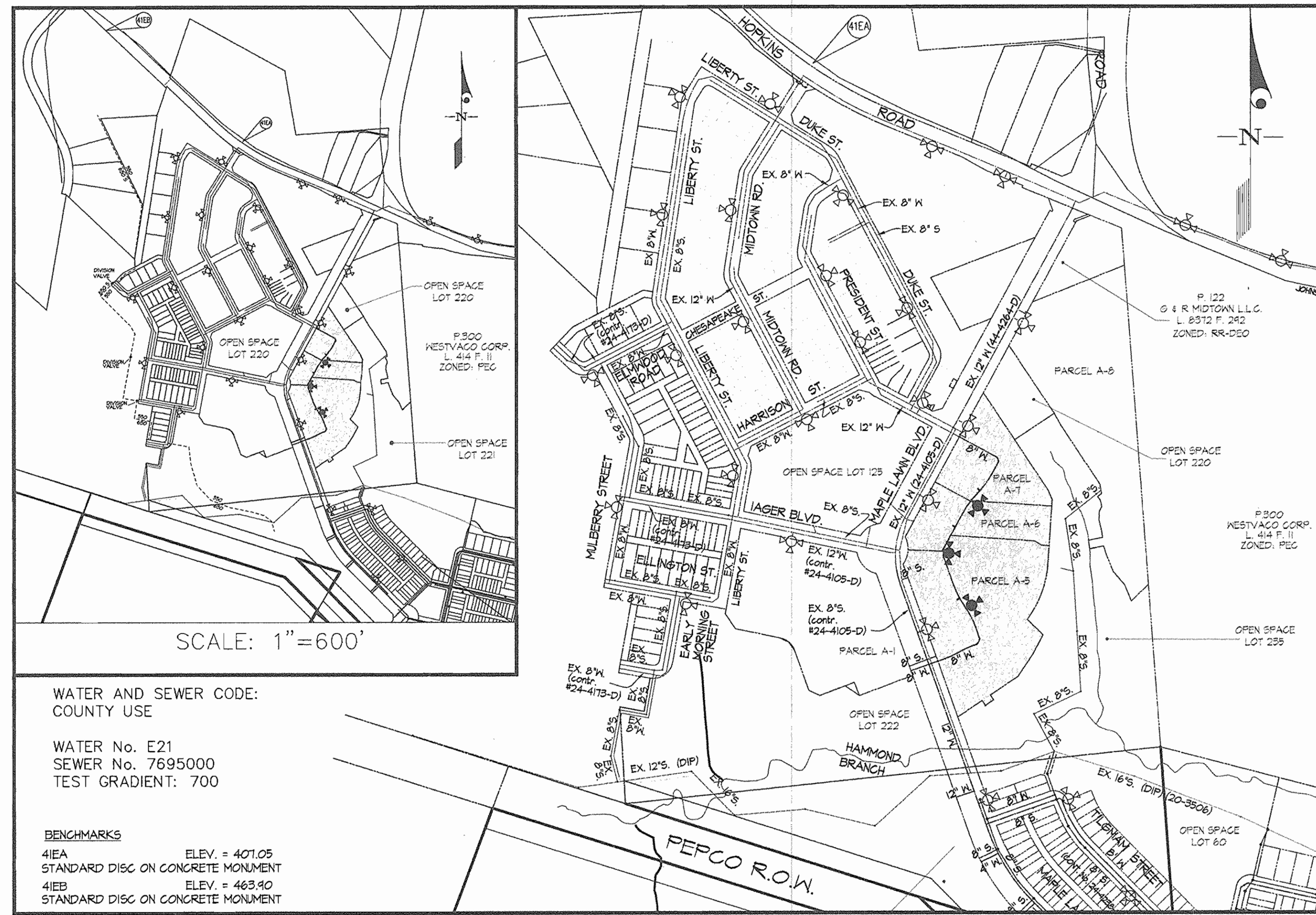
CONTRACT No. 44-4401-D  
 MAPLE LAWN FARMS  
 MIDTOWN DISTRICT - AREA 2  
 PARCELS A-5, A-6, AND A-7

HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS

TYPE OF BUILDING	OFFICE
NUMBER OF UNITS	3
NUMBER OF S.H.C.'s	0
NUMBER OF W.H.C.'s	3
DRAINAGE AREA	LITTLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WWTP

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
6" WATER (FHT'S AND CONN.'S)	67 LF	66 LF	7/8" DIPCL 52	GRIFIN PIPE/SAPE
8" WATER	104 LF	104 LF	" " " "	" " " "
8" x 6" T (CONNECTIONS)	1 EA	1 EA	MJ TERC/153	SIGMA/H.D. SUPPLY
8" x 6" T (CONNECTIONS)	2 EA	2 EA	" " " "	" " " "
8" VALVE	2 EA	2 EA	GATE/2500	KENNEDY/" "
8" x 6" T (CONNECTIONS)	1 EA	1 EA	MJ TERC/153	SIGMA/H.D. SUPPLY
8" x 6" T (CONNECTIONS)	2 EA	2 EA	" " " "	" " " "
8" VALVE	2 EA	2 EA	GATE/2500	KENNEDY/" "
8" x 6" T (CONNECTIONS)	2 EA	2 EA	MJ TERC/153	SIGMA/" "
C.... ADDED BY CONTRACTOR/FIELD MODIFICATION				
FIRE HYDRANT - 50'	2 EA	2 EA	G502	KENNEDY/H.D. SUPPLY
FIRE HYDRANT - 35'	1 EA	1 EA	" " " "	" " " "
(... 2 W/LSIA 5102)				

NAME OF UTILITY CONTRACTOR: GAINES & CO.  
 SURVEY AND DRAFTING DIV. CHECKBOX: AS-BUILT DATE: \_\_\_\_\_



SCALE: 1"=600'

WATER AND SEWER CODE:  
 COUNTY USE

WATER No. E21  
 SEWER No. 7695000  
 TEST GRADIENT: 700

BENCHMARKS  
 41EA ELEV. = 401.05  
 STANDARD DISC ON CONCRETE MONUMENT  
 41EB ELEV. = 463.90  
 STANDARD DISC ON CONCRETE MONUMENT

VICINITY MAP  
 SCALE: 1"=300'

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 INDICATED HAS TAKEN FROM AERIAL TOPOGRAPHY PREPARED DURING MARCH 1991 BY 301.
  - 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. 46B2, No. 41EA, AND No. 41EB. ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON 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 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.
  - FOR DETAILS NOT SHOWN ON THE DRAWINGS, 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 (C) 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 ON THESE PLANS:
 

AT&T	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-850-4620
BGE (UNDER GROUND DAMAGE CONTROL)	410-685-1400
BUREAU OF UTILITIES	410-313-4400
COLONIAL PIPELINE CO.	410-145-1340
MISS UTILITY	1-800-251-TTTT
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-143-0033 / 410-224-4210
  - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION AREA 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)-313-1450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTINGS OR EXCAVATING/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 18.114(a) OF THE HOWARD COUNTY CODE.
  - ALL BUILDABLE LOTS SHOWN HEREON SHALL HAVE ONE (1) FOOT WIDE PUBLIC EASEMENT ADJACENT TO THE PUBLIC ROAD RIGHT OF WAY, FOR THE PURPOSE OF SIDEWALK MAINTENANCE, WATER HOUSE CONNECTION AND SEWER HOUSE CONNECTION.

- PART II - WATER
- ALL MAINS SHALL BE D.I.P. CLASS 52 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 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

- 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 THE 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
  - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER STANDARD DETAIL 6532. 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 THE CELLAR CANNOT BE SERVED.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 214 OF THE SPECIFICATIONS, WITH THE SITE DEVELOPMENT PLAN SDP-06-148, SHEETS B THROUGH I0.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

*Jim Mauer* 11/10/06  
 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:  
*John L. Robertson* 11/10/06  
 HOWARD S.C.D. DATE

OWNER  
 G & R MAPLE LAWN LLC  
 SUITE 300 WOODHOLME CENTER  
 1824 REISTERSTOWN ROAD  
 BALTIMORE, MD 21208  
 ATTN: CHARLIE O'DONOVAN  
 410-484-8400

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*John H. Berger* 11/16/06  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND

*William J. ...* 11/16/06  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3809 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

DES: DEV  
 DRN: TL/DV  
 CHK: DEV  
 DATE: 08/06

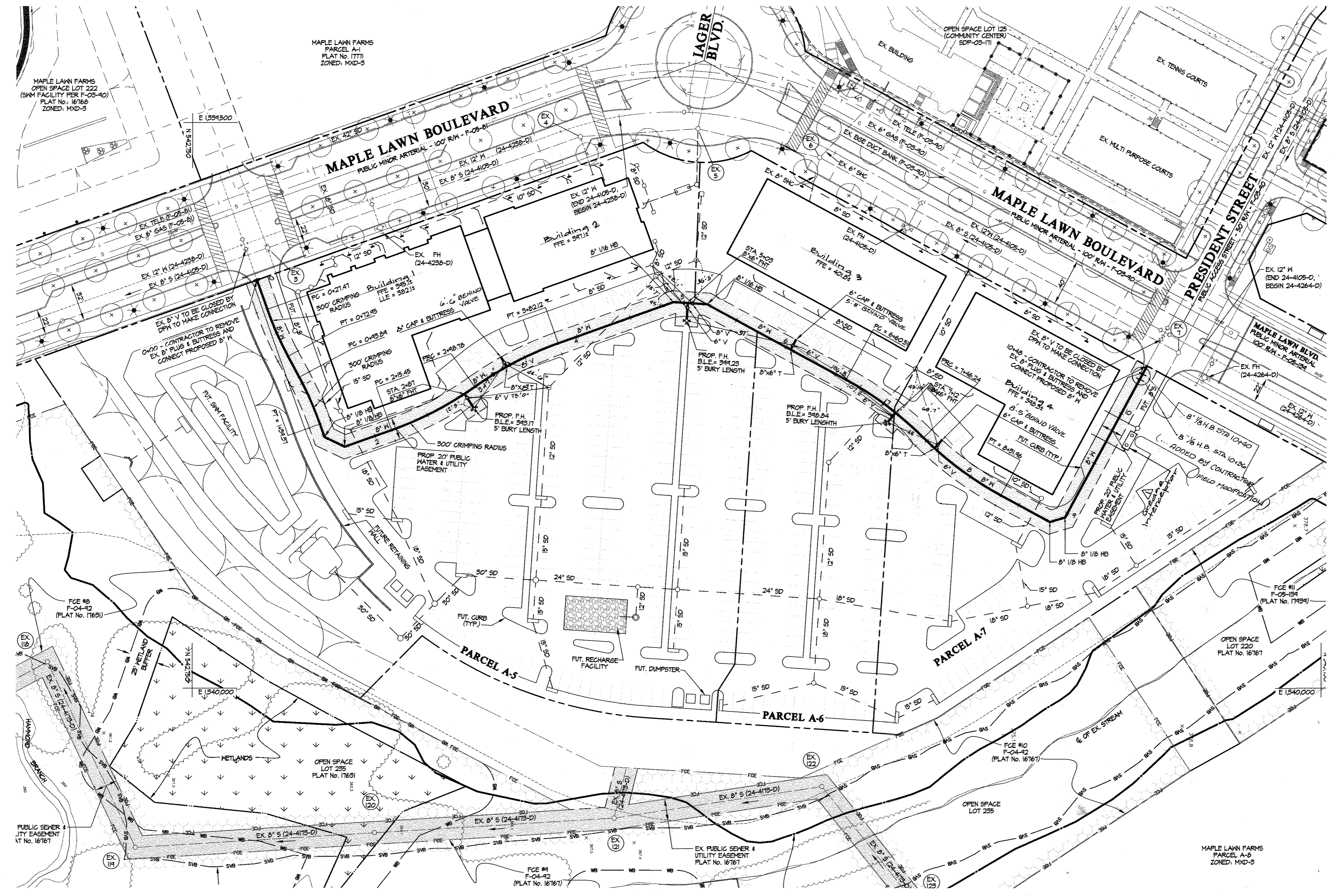
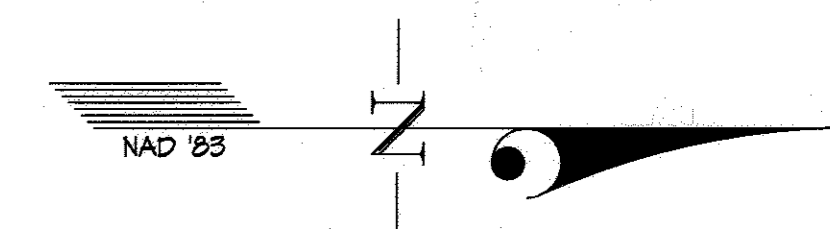
K.C.I.	1	AS-BUILT DATA SHOWN	5/25/07
BY	NO	REVISION	DATE

TITLE SHEET  
 SCALE: AS SHOWN  
 600' SCALE MAP NO. 46 BLOCK NO. 4

MAPLE LAWN FARMS  
 CONTRACT No. 44-4401-D  
 MIDTOWN DISTRICT - AREA 2  
 PARCELS A-5, A-6, AND A-7  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

SCALE AS SHOWN  
 SHEET 1 OF 3

GLW FILE #05015  
 05015WS01.dwg



KM. STA.	TYPE OF FITTING	NORTH	EAST
1+51	1/8 H.B.	542,861.26	1339,118.24
1+71	1/8 H.B.	542,885.09	1339,106.72
2+87	8"X6" F.H.T.	542,991.19	1339,139.81
3+21	8"X8" TEE	543,026.17	1339,115.71
4+60	8"X8" TEE	543,147.58	1339,669.01
4+91	1/16 H.B.	543,176.16	1339,658.26
5+03	8"X6" F.H.T.	543,188.91	1339,659.70
5+24	1/16 H.B.	543,206.07	1339,660.84
6+04	8"X6" TEE	543,219.99	1339,100.85
7+12	8"X6" F.H.T.	543,312.80	1339,156.28
7+59	8"X6" TEE	543,401.50	1339,181.66
8+82	1/8 H.B.	543,509.82	1339,852.91
8+96	1/8 H.B.	543,523.38	1339,848.87

NOTES  
 1. All water mains shall be D.I.P. Class 52.

GLW FILE #05015  
 05015WS02.dwg

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DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*Ruth Benner* 10-26-06  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
*William* 11/5/06  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**GLWGUTSCHICK 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

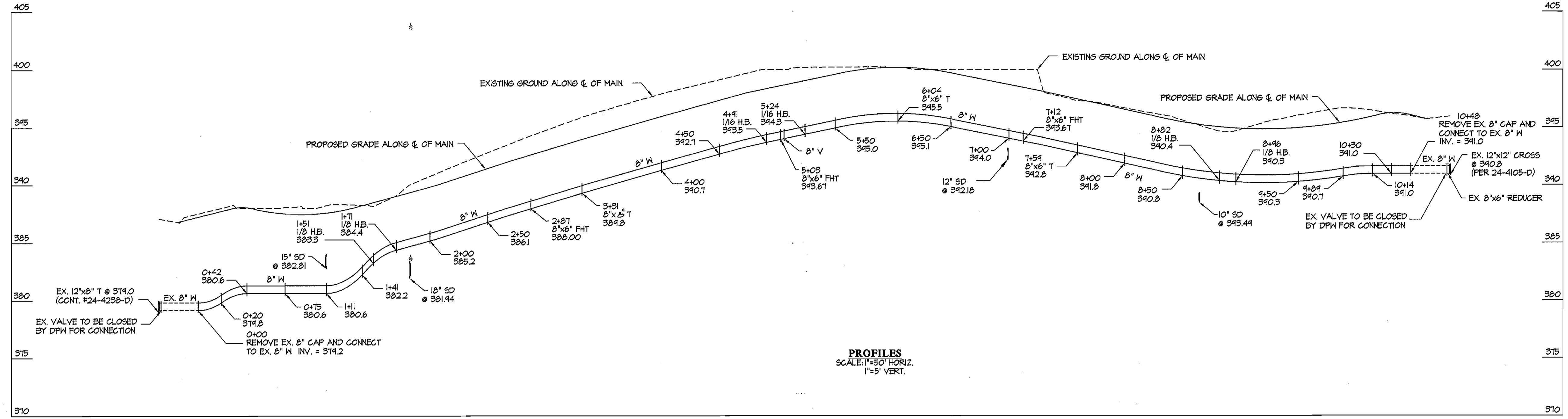


DES: DEV				
DRN: AWL				
CHK: DEV	gt	Δ	Add Grease Interceptor	10.15.10
	KC1	1	ASBUILT DATA SHOWN	5/05/07
DATE: 08/06	BY: NO	REVISION	DATE	

WATER EXTENSION  
 600' SCALE MAP NO. 41 BLOCK NO. 16/22

**MAPLE LAWN FARMS**  
 CONTRACT No. 44-4401-D  
 MIDTOWN DISTRICT - AREA 2  
 PARCELS A-5, A-6, & A-7  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

SCALE  
 1"=50'  
 SHEET  
 2 OF 3



GLW FILE #05015  
05015WS03.dwg

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>Ruth Beatty</i> 10-26-06 CHIEF, BUREAU OF UTILITIES DATE</p>	<p>DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND</p> <p><i>William Dummer</i> 11/5/06 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE</p>	<p><b>GLWG</b> GUTSCHICK LITTLE &amp; 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: 410-880-1820 DC/VA: 301-389-2524 FAX: 301-421-4186</p>		<table border="1"> <tr><td>DES: DEV</td><td></td><td></td><td></td><td></td></tr> <tr><td>DRN: AML</td><td></td><td></td><td></td><td></td></tr> <tr><td>CHK: DEV</td><td></td><td></td><td></td><td></td></tr> <tr><td>DATE: 08/06</td><td></td><td></td><td></td><td></td></tr> </table>	DES: DEV					DRN: AML					CHK: DEV					DATE: 08/06					<p>WATER EXTENSION PROFILES</p> <p>600' SCALE MAP NO. 41 BLOCK NO. 16/22</p>	<p><b>MAPLE LAWN FARMS</b> CONTRACT No. 44-4401-D MIDTOWN DISTRICT - AREA 2 PARCELS A-5, A-6 &amp; A-7 HOWARD COUNTY, MARYLAND ELECTION DISTRICT No. 5</p>	<p>SCALE 1"=50'</p> <p>SHEET 3 OF 3</p>
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DATE: 08/06																											