

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
12" WATER	1400 LF			
8" WATER	64 LF			
6" WATER	40 LF			
12" 1/8 H.B.	2 EA			
12" 1/32 H.B.	1 EA			
12"x12" T	1 EA			
12"x6" T	1 EA			
12"x8" CROSS	1 EA			
12" VALVE	2 EA			
12" CAP	1 EA			
8"x6" T	1 EA			
8" VALVE	2 EA			
8" CAP	2 EA			
6" VALVE	2 EA			
FIRE HYDRANT - 5.5'	1 EA			
FIRE HYDRANT - 7.0'	1 EA			
8" D.I. SEWER	770 LF			
MANHOLES	5 EA			
8" STOPPER	5 EA			

NAME OF UTILITY CONTRACTOR: _____

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

CONTRACT No. 24-4279-D
MAPLE LAWN FARMS
BUSINESS DISTRICT - AREA 2
HILLSIDE DISTRICT - AREA 2
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

TYPE OF BUILDING	OFFICE
NUMBER OF LOTS	2 - PARCELS
NUMBER OF S.H.C.'s	5 - 8" SEWER
NUMBER OF W.H.C.'s	2 - 8" WATER
DRAINAGE AREA	LITTLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WWTP

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 WAS TAKEN FROM AERIAL TOPOGRAPHY PREPARED DURING MARCH 1991 BY 3D1. IN AREAS WITHIN THE LIMIT OF SUBMISSION WHERE NO GRADING IS BEING PROPOSED, CONTOURS SHOWN ARE GRADES ESTABLISHED UNDER F 03-90 OR SDP-03-140 (05 122).
 - 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 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 ON THESE PLANS.

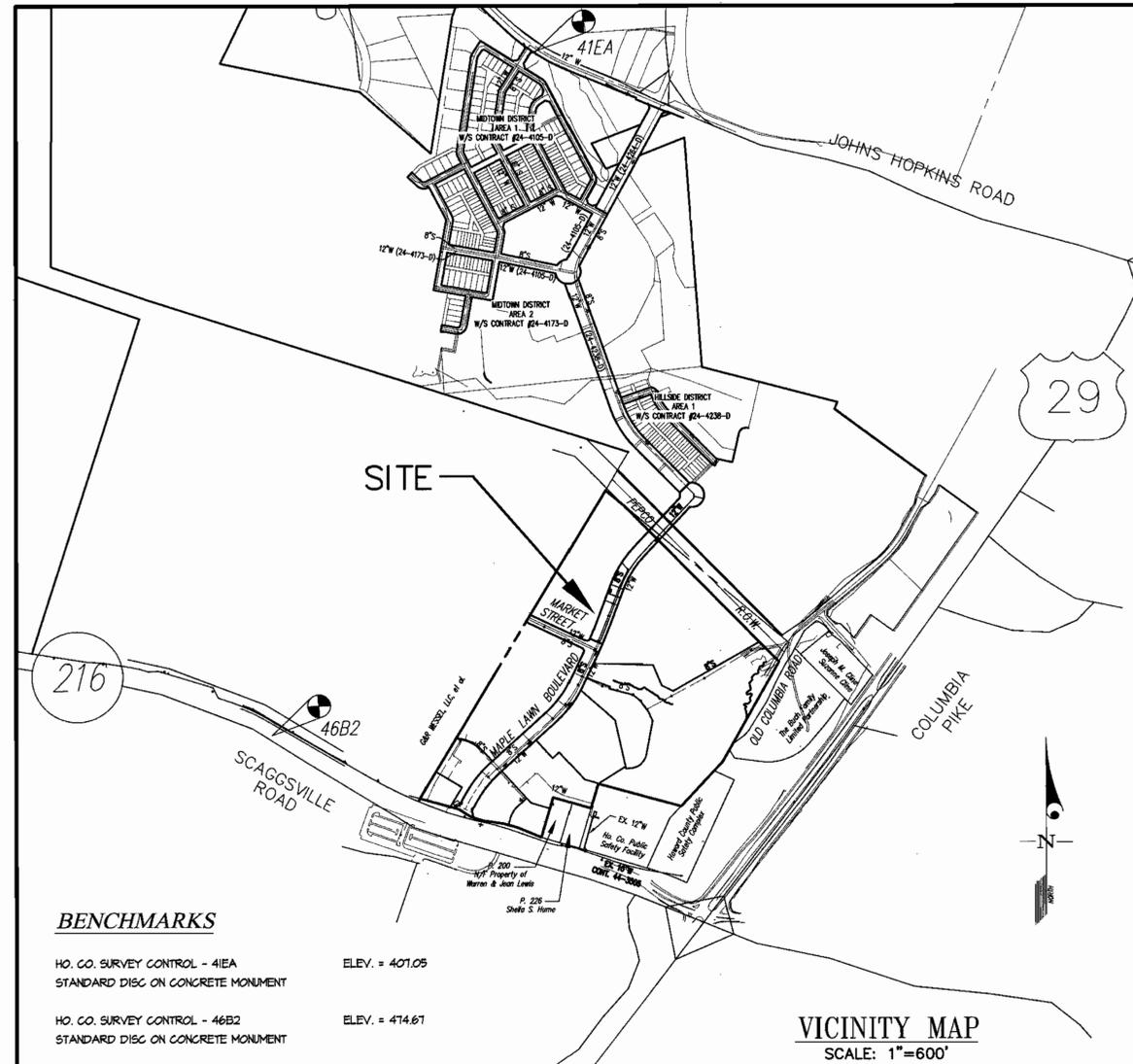
AT&T	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-850-4620
BGE (UNDER GROUND DAMAGE CONTROL)	410-825-1400
BUREAU OF UTILITIES	410-318-1400
COLONIAL PIPELINE CO.	410-785-1890
MISS UTILITY	1-800-251-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033 / 410-224-4210
 - TREES AND SHRUBS 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)-313-7450 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 18.114(g) OF THE HOWARD COUNTY CODE.

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 N.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 THE CELLAR CANNOT BE SERVED.



BENCHMARKS

HO. CO. SURVEY CONTROL - 41EA ELEV. = 407.05
STANDARD DISC ON CONCRETE MONUMENT

HO. CO. SURVEY CONTROL - 46B2 ELEV. = 474.67
STANDARD DISC ON CONCRETE MONUMENT

WATER AND SEWER CODE
COUNTY USE
WATER NO. E20
SEWER NO. T640000
TEST GRADIENT: 700

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

Jim Myers 6/23/05
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 R. Robertson* 6/24/05
HOWARD S.C.D. DATE

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Rhett M. Bunn 6-30-05
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

W. J. ... 7/6/05
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 20866
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



DES: TL/WJ	
DRN: AWL	
CHK: CKG	
DATE: 06/05	
BY	NO
REVISION	DATE

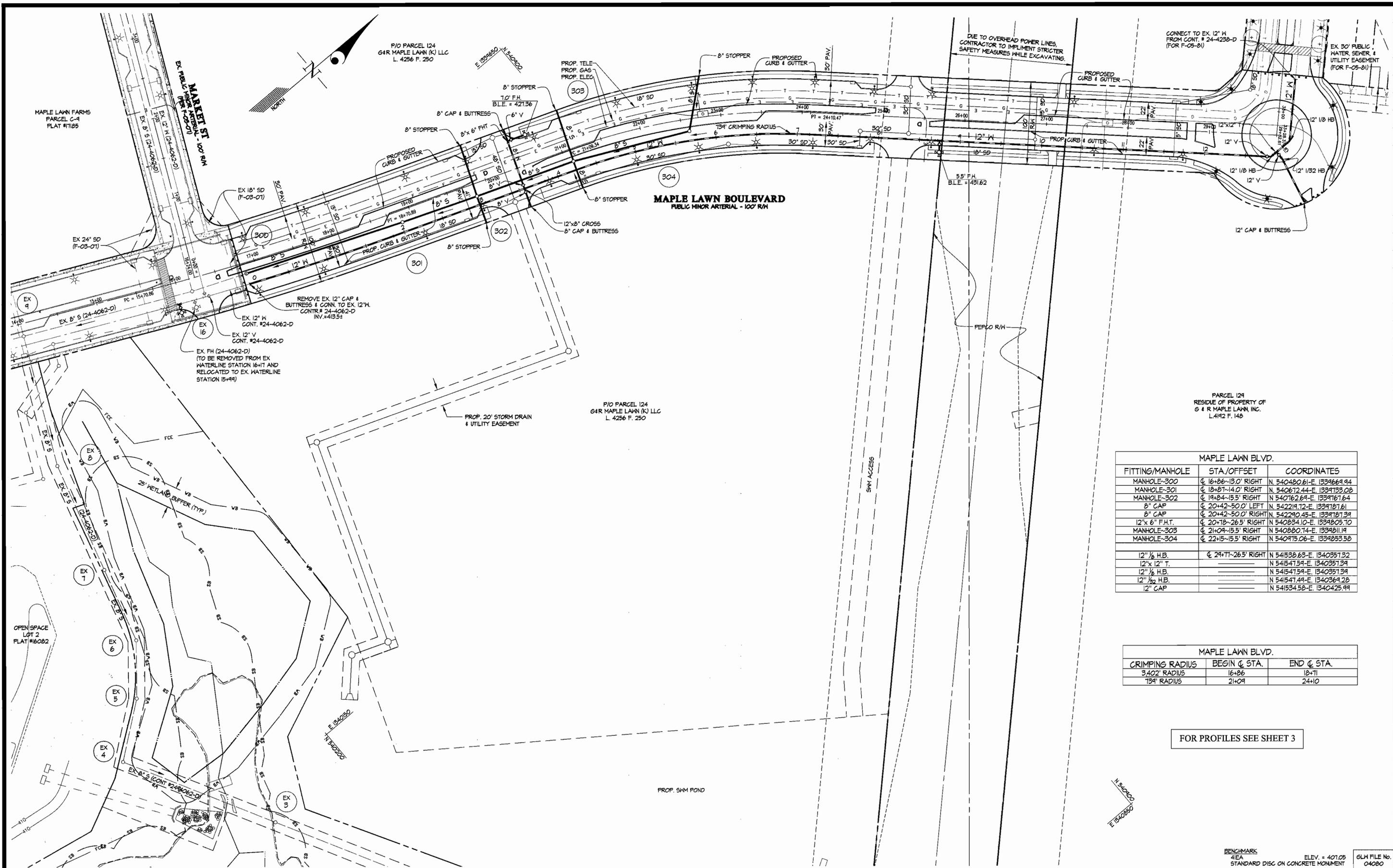
TITLE SHEET
SCALE: AS SHOWN

600' SCALE MAP NO. 46 BLOCK NO. 4

MAPLE LAWN FARMS
CONTRACT No. 24-4279-D
BUSINESS DISTRICT - AREA 2/
HILLSIDE DISTRICT - AREA 2/
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 5

SCALE AS SHOWN
SHEET 1 OF 3

GLW FILE No. 04080



MAPLE LAWN BLVD.		
FITTING/MANHOLE	STA./OFFSET	COORDINATES
MANHOLE-300	CL 16+86-13.0' RIGHT	N 540480.61-E 1339669.94
MANHOLE-301	CL 18+07-14.0' RIGHT	N 540672.44-E 1339733.08
MANHOLE-302	CL 19+04-15.5' RIGHT	N 540762.69-E 1339767.64
8" CAP	CL 20+42-50.0' LEFT	N 542219.12-E 1339787.61
8" CAP	CL 20+42-50.0' RIGHT	N 542290.45-E 1339787.39
12"x 6" F.H.T.	CL 20+78-26.5' RIGHT	N 540834.10-E 1339805.70
MANHOLE-303	CL 21+09-15.5' RIGHT	N 540880.74-E 1339811.19
MANHOLE-304	CL 22+15-15.5' RIGHT	N 540915.06-E 1339833.58
12" 1/2 H.B.	CL 24+77-26.5' RIGHT	N 541536.63-E 1340351.32
12"x 12" T.		N 541547.54-E 1340351.39
12" 1/2 H.B.		N 541547.54-E 1340351.39
12" 1/2 H.B.		N 541547.44-E 1340369.28
12" CAP		N 541534.58-E 1340425.99

MAPLE LAWN BLVD.		
CRIMPING RADIUS	BEGIN CL STA.	END CL STA.
3402' RADIUS	16+86	18+71
734' RADIUS	21+09	24+10

FOR PROFILES SEE SHEET 3

BENCHMARK
41EA
STANDARD DISC ON CONCRETE MONUMENT
ELEV. = 407.05
6LM FILE NO.
04080

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
R. J. ...
6-30-06
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
...
7/6/05
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



DES: Wsj			
DRN: Wsj			
CHK: DEV			
DATE: 06/05	BY	NO	REVISION

Water & Sewer Extension
SCALE: 1"=50'
600' SCALE MAP NO. 46
BLOCK NO. 4

MAPLE LAWN FARMS
CONTRACT No. 24-4279-D
BUSINESS DISTRICT - AREA 2/
HILLSIDE DISTRICT - AREA 2/
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 5
SCALE
1"=50'
SHEET
2 OF 3

