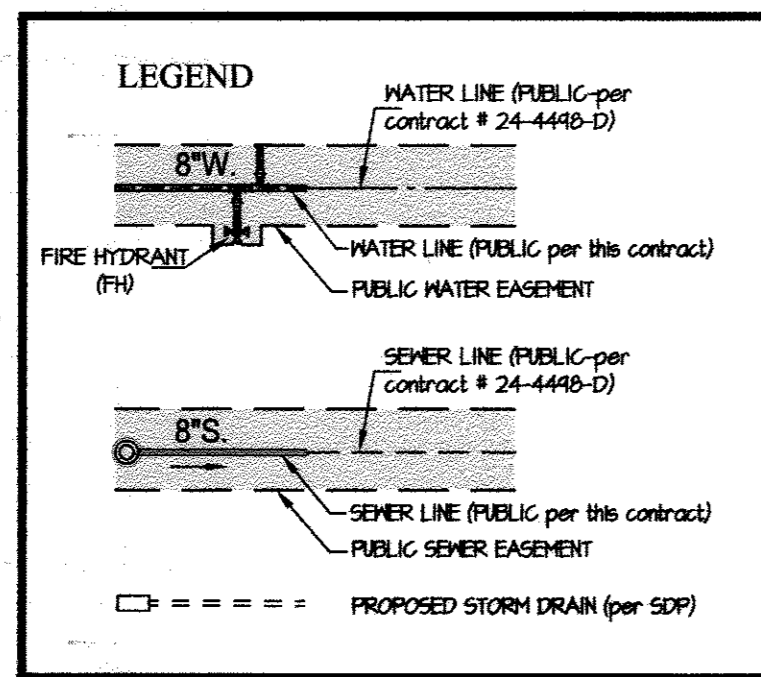
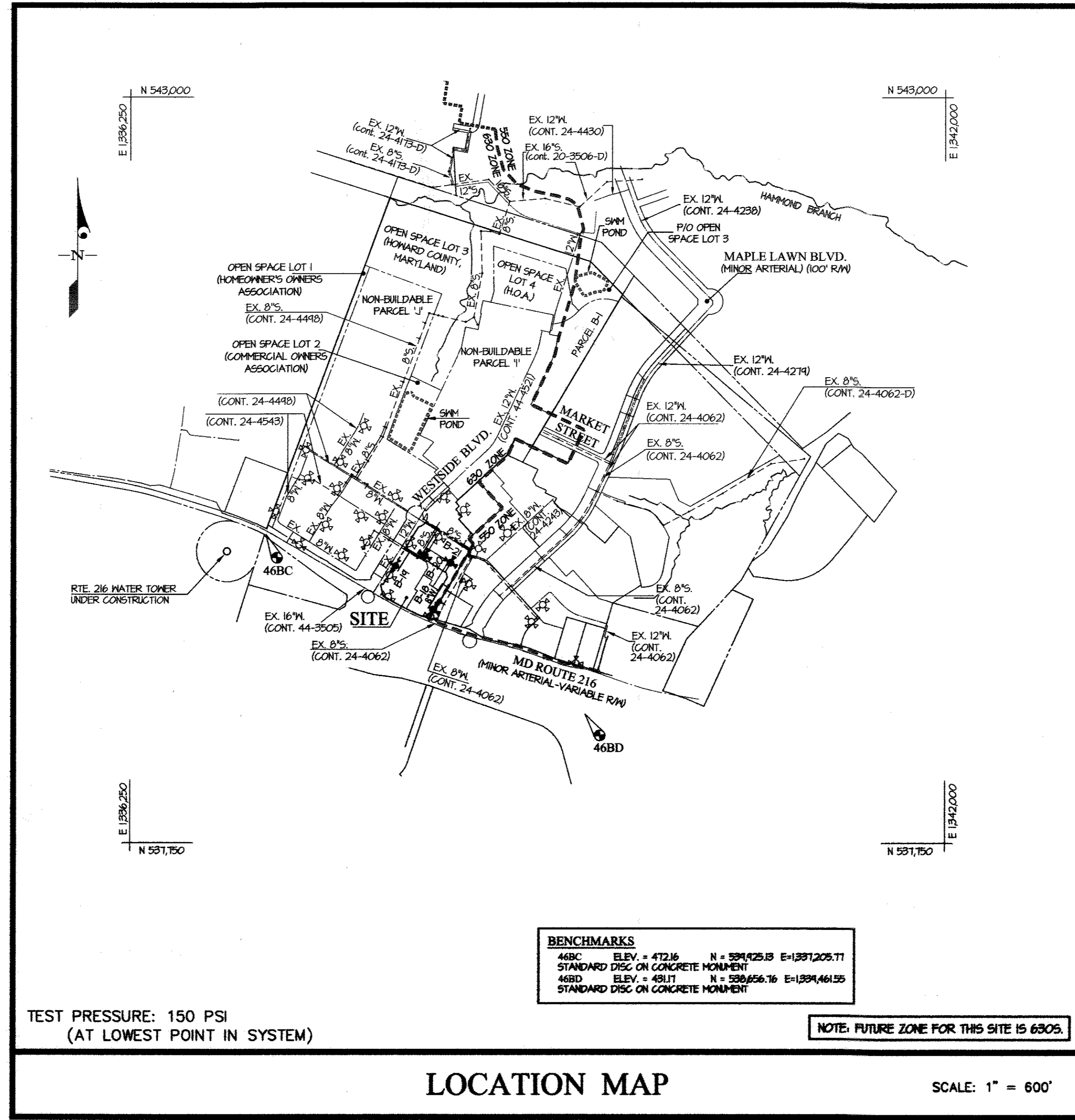


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
4" SEWER MANHOLE	1 EA.	1 EA.	PRE-CAST	ATLANTIC CONCRETE PRODUCTS
8" SEWER MAIN	38 L.F.	38 L.F.	SDR 35	NORTH AMERICAN/HD SUPPLY
6" WATER MAIN	114 L.F.	97 L.F.	CLASS 54	GRIFFIN/HD SUPPLY
8" WATER MAIN	940 L.F.	940 L.F.	CLASS 54	GRIFFIN/HD SUPPLY
8" 1/8" HD	2 EA.	2 EA.	MJ	SEGMA/HD SUPPLY
8"x8" TEE	1 EA.	1 EA.	MJ	SEGMA/HD SUPPLY
8"x8" TEE	3 EA.	3 EA.	MJ	SEGMA/HD SUPPLY
8"x6" FHT	4 EA.	4 EA.	MJ	SEGMA/HD SUPPLY
FIRE HYDRANT	4 EA.	4 EA.	CS2	KENNEDY/HD SUPPLY
NAME OF UTILITY CONTRACTOR: GRAY & SON				
SURVEY AND DRAFTING DIV.		CHECKBOX: AS-BUILT DATE:		

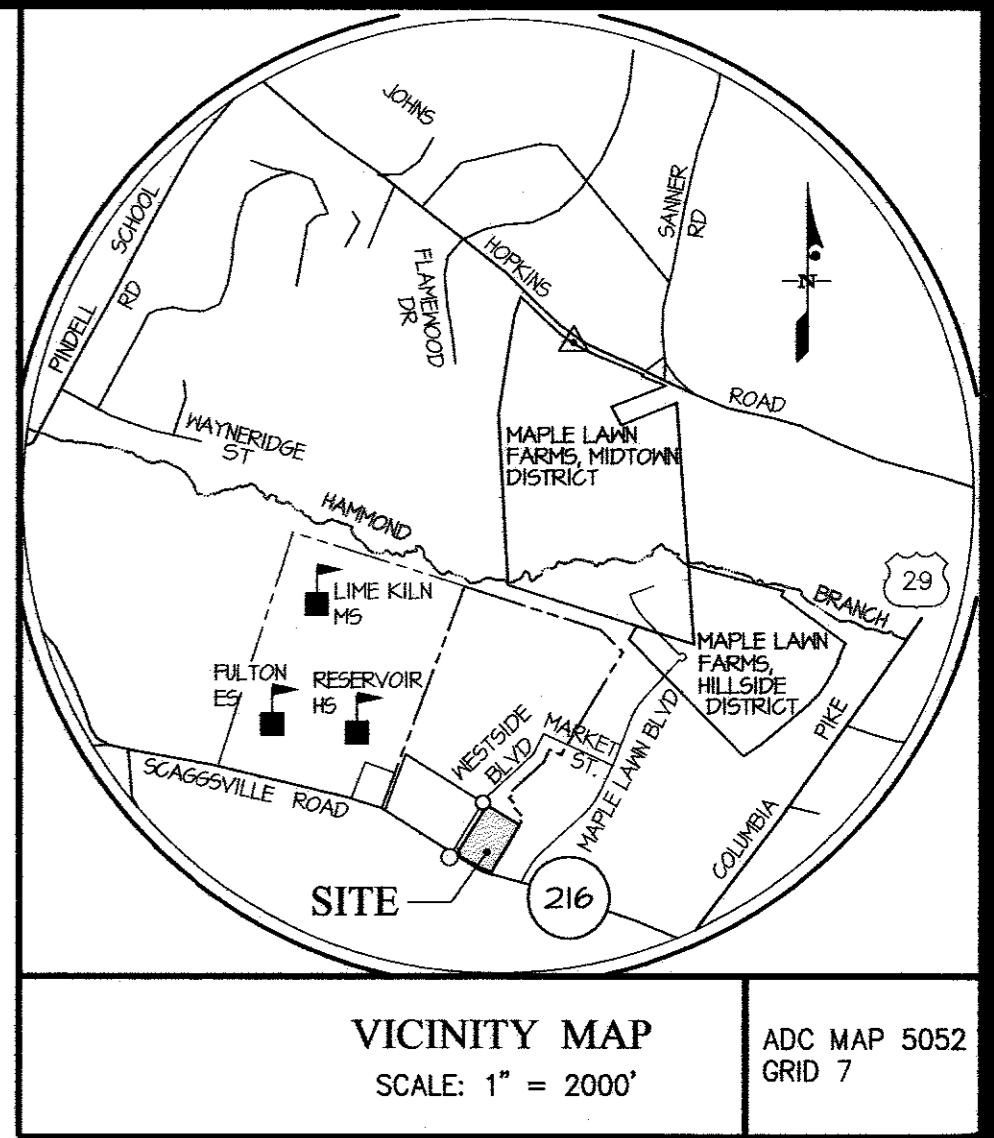


SHEET INDEX

- 1 - TITLE SHEET
- 2 - WATER & SEWER MAIN EXTENSION PLAN and PROFILES



TYPE OF BUILDING	4 COMMERCIAL BUILDINGS
NUMBER OF UNITS	4
NUMBER OF S.H.C.'s	1 PER BUILDING
NUMBER OF W.H.C.'s	1 PER BUILDING
AREA OF COMMERCIAL LOT/PARCEL	5.44 AC.
SEWER SHED	LITTLE PATUXENT
PUMPING STATION	N/A



- 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.
 - TOPOGRAPHY INDICATED WAS TAKEN FROM TOPOGRAPHIC SURVEY DONE BY G.L.W. IN DEC./2004.
 - 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. 46BD.
 - ALL VERTICAL CONTROLS ARE BASED ON NAVD '83. 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 \oplus 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.	410-745-1340
MISS UTILITY	1-800-257-7777
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)-313-1450 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 18.114(G) OF THE HOWARD COUNTY CODE.

- PART II - WATER**
- ALL 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 RESTRAINED AND BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

- 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 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 "C.N.S." INDICATES THE CELLAR CANNOT BE SERVED.

PROPERTY OWNER:
G & R / Wessel, LLC
c/o Greenbaum & Rose Assoc., Inc.
1829 Reisterstown Rd., Suite 300,
Baltimore, MD 21208
attn: Mark Bennett, VP
410-484-8400

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS & WITH SITE DRAWINGS SDP-10-067; DRAWINGS FOR SEDIMENT & EROSION CONTROL.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

[Signature]
DATE: 5/25/10

APPROVED: *[Signature]* DATE: 5/25/10

HOWARD S.C.D.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 5/25/10
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 6/7/10
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 20986
TEL: 301-421-4024 FAX: 301-421-4186

DATE MAY, 2010
G.L.W. No. 07088

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

[Signature]
BY NO. AS-BUILT

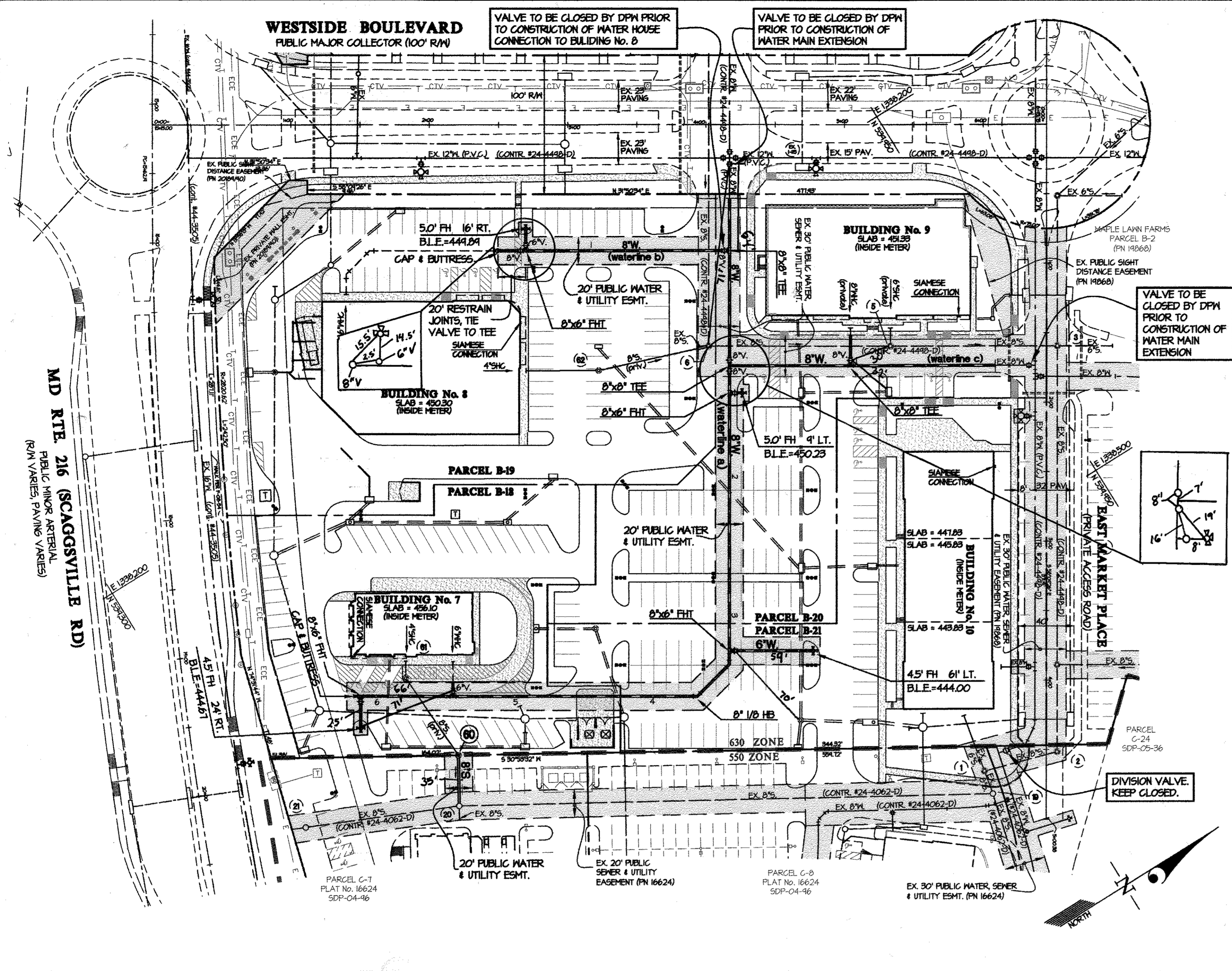
REVISION	DATE

TITLE SHEET
600' SCALE MAP NO. 41/46 BLOCK NO. 21(41)/3(46)

MAPLE LAWN FARMS
CONTRACT No. 24-4664-D
WESTSIDE DISTRICT - AREA 1
PARCELS B-18 thru B-21
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 5

SCALE AS SHOWN
SHEET 1 OF 2

L:\CADD\DRAWINGS\03067\07088\WS\07088-FWS-CS.dwg PLOTTED: 5/27/2010 12:56 PM LAST SAVED: 5/27/2010 12:55 PM PLOTTED BY: Katelyn Pierce



WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

PARCEL	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
PARCEL B-18 (BLDG. 7)	841 WESTSIDE BOULEVARD		
PARCEL B-18 (BLDG. 8)	841 WESTSIDE BOULEVARD		
PARCEL B-20 (BLDG. 4)	817S WESTSIDE BOULEVARD		
PARCEL B-21 (BLDG. 12)	818 WESTSIDE BOULEVARD		

FITTING INFORMATION

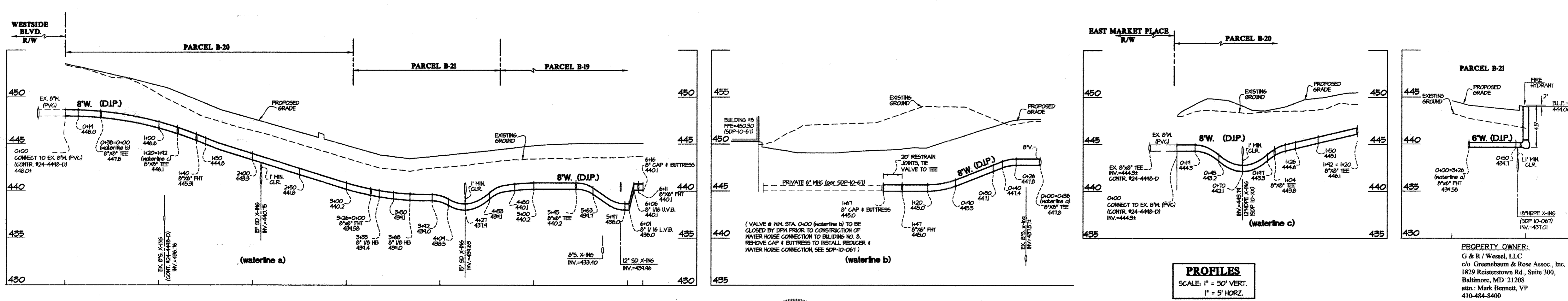
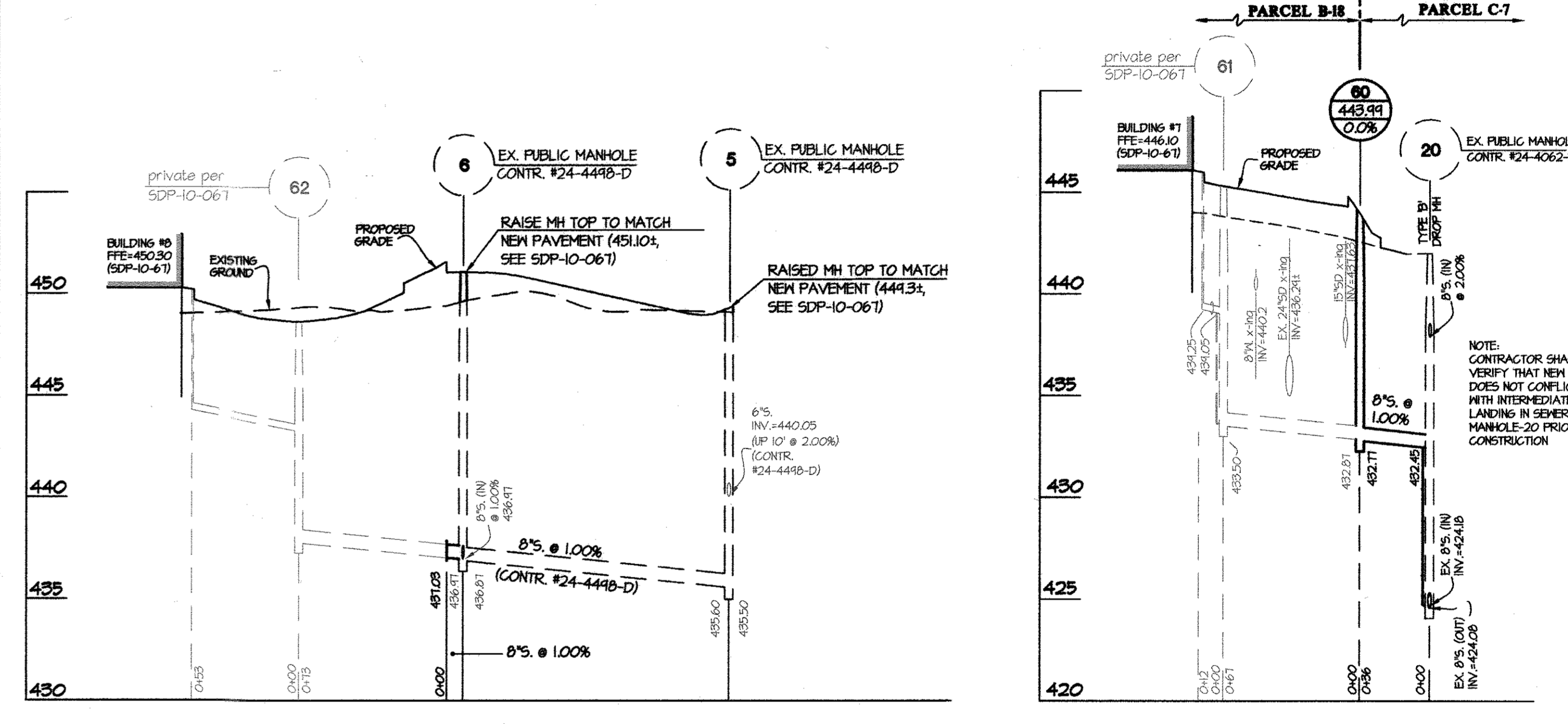
LOCATION	FITTING	NAD '83/MI COORDINATES
waterline a		
MM STA. 0+00		N 534,020.41 E 1330,143.91
MM STA. 0+30	8" x 8" TEE	N 534,009.66 E 1330,225.03
MM STA. 1+20	8" x 8" TEE	N 534,165.02 E 1330,246.10
MM STA. 1+40	8" x 8" FHT	N 534,154.63 E 1330,312.63
MM STA. 3+26	8" x 8" FHT	N 534,652.61 E 1330,452.01
MM STA. 3+35	8" 1/2" HB	N 534,651.35 E 1330,419.00
MM STA. 3+60	8" 1/2" HB	N 534,648.20 E 1330,426.21
MM STA. 5+45	8" x 8" TEE	N 534,464.71 E 1330,342.94
MM STA. 6+41	8" x 8" FHT	N 534,413.20 E 1330,251.85
waterline b		
MM STA. 0+00	8" x 8" TEE	N 534,009.66 E 1330,225.03
MM STA. 1+41	8" x 8" FHT	N 534,663.47 E 1330,46.07
waterline c		
MM STA. 0+00		N 534,021.44 E 1330,341.26
MM STA. 1+04	8" x 8" TEE	N 534,039.25 E 1330,342.20
MM STA. 1+42	8" x 8" FHT	N 534,165.02 E 1330,246.10

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

PARCEL	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
BLDG.-1 (PARCEL B-18)	841 WESTSIDE BOULEVARD		
BLDG.-8 (PARCEL B-18)	841 WESTSIDE BOULEVARD		
BLDG.-4 (PARCEL B-20)	817S WESTSIDE BOULEVARD		
BLDG.-12 (PARCEL B-21)	818 WESTSIDE BOULEVARD		

SEWER MANHOLE CHART

MH	NAD '83/MI COORDINATES
60	N 534,450.66 E 1330,49.15



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Silva C. Genn
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

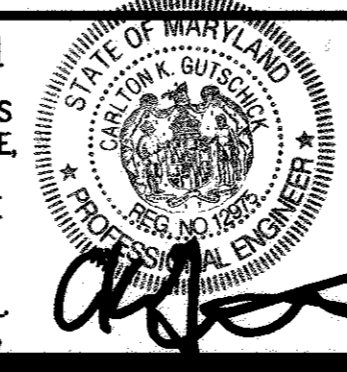
John J. ...
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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PROFESSIONAL CERTIFICATION
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EXP. DATE: MAY 26, 2012

[Signature]



BY	NO	REVISION	DATE
KCI	Δ	AS-BUILT	

WATER and SEWER MAIN EXTENSION PLAN & PROFILES

600' SCALE MAP NO. 41/46 BLOCK NO. 21(41)/46

MAPLE LAWN FARMS
CONTRACT No. 24-4664-D
WESTSIDE DISTRICT - AREA 1
PARCELS B-18 thru B-21
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 5

SCALE AS SHOWN
SHEET 2 OF 2