

# THE MEDICAL PAVILION AT HOWARD COUNTY PUBLIC WATER & SEWER MAIN HOWARD COUNTY, MARYLAND CONTRACT NO. 24-4507-D

## GENERAL NOTES FOR WATER & SEWER MAIN EXTENSION

### PART I

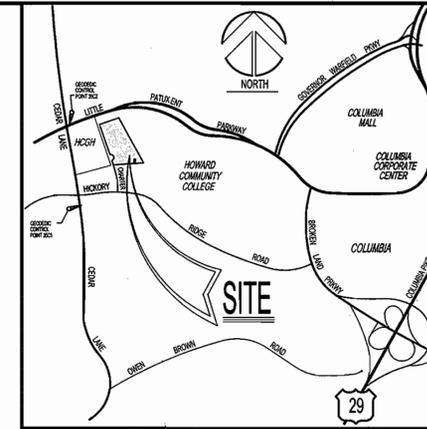
1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S DATA.
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6'. CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTRACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON DRAWINGS. IN THE EVENT THE CONTRACTORS WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
6. 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.
7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. 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.
8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS:

A.T. & T.	1-800-252-1333
B.G. & E. (CONTRACTOR SERVICES)	410-850-4620
B.G. & E. (UNDER GROUND DAMAGE CONTROL)	410-665-1400
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033 / 410-224-9210

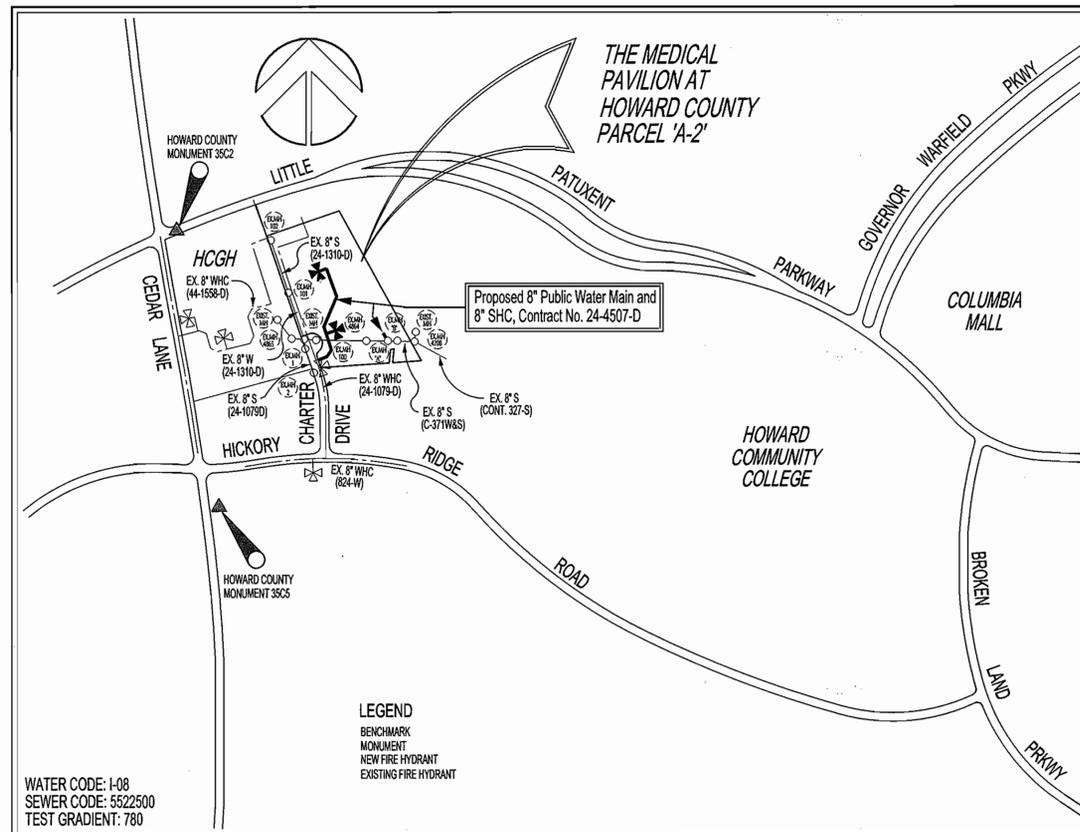
9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATERSEWER MAIN OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(i) OF THE HOWARD COUNTY CODE.

### PART II - WATER & SEWER

1. ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2" 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 CONCRETE IN ACCORDANCE WITH THE 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 RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
8. CONTRACTOR SHALL REPLACE PAVING, CURB & GUTTER AND SIDEWALKS IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND / OR AT THE DIRECTION OF THE HOWARD COUNTY INSPECTOR.



VICINITY MAP  
PLAN SCALE: 1"=2000'



VICINITY MAP

PLAN SCALE: 1"=600'

PUBLIC WATER & SEWER MAIN QUANTITIES					
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	AS-BUILT INFORMATION		
			TYPE	MANUFACTURER / SUPPLIER	
8" SHC	10 LF				
8" WATER	560 LF	560		FERRELSON / ATLANTIC STATE	
6" WATER (FHS)	36 LF	31		" / "	
8" 1/8" HORIZONTAL BEND	4	4		" / TYLER UNION	
8"x8" TS&V	1	1		FERGUSON/SMITH BLAIR / MUELLER, C.D.	
8"x8" T	1	1		" / TYLER UNION	
8"x6" FHT	2	2		" / "	
8" PLUG & BUTTRESS	1	1		" / "	
8" VALVE	1	1		" / MUELLER	
6" VALVE	2	2		" / "	
FIRE HYDRANT	2	2		" / "	
NAME OF UTILITY CONTRACTOR:					
			SURVEY and DRAFTING DIVISION	CHECK BOX: AS-BUILT DATE:	

TYPE OF BUILDING	MEDICAL OFFICE BUILDING
NO. OF LOTS/PARCELS:	1
NO. OF WATER HOUSE CONNECTIONS:	1
NO. OF SEWER HOUSE CONNECTIONS:	1
DRAINAGE AREA:	LITTLE PATUXENT

BENCH MARKS:	
35C2 - HOWARD COUNTY MONUMENT	N. 563920.830 E. 1344204.150
35C5 - HOWARD COUNTY MONUMENT	N. 562148.450 E. 1344554.473

SHEET INDEX:	
SHEET 1 - PUBLIC WATER and SEWER MAIN COVER SHEET	
SHEET 2 - PUBLIC WATER and SEWER MAIN PLAN & PROFILE SHEET	

THIS WATER & SEWER PLAN IS IN ACCORDANCE WITH THE FINAL PLAT, F-08-53 AND; SDP-07-138. SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN, SDP-07-138.

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

### OWNER/DEVELOPER/APPLICANT:

TEN ACRES BUSINESS TRUST, LLC  
C/O MACKENZIE REAL ESTATE SERVICE, LLC  
2328 W. JOPPA ROAD SUITE 200  
LUTHERVILLE, MARYLAND 21103  
ATTN: MR. ROBERT J. ALUMILLER  
PHONE: 410-821-8585

*John R. Roberts* 12/11/07  
SOIL CONSERVATION DISTRICT DATE

*[Signature]*  
U.S. SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Michael A. Desimone* 12/5/07  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]* 12/17/07  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**JOYCE ENGINEERING CORPORATION**  
CIVIL ENGINEERING LAND SURVEYING LAND PLANNING CONSTRUCTION MANAGEMENT  
10716 BALTIMORE AVENUE - BELTSVILLE, MARYLAND 20705  
TEL: (301) 596-4533 FAX: (301) 596-4600 WEB: www.joyceeng.com  
© 2007 JOYCE ENGINEERING CORPORATION

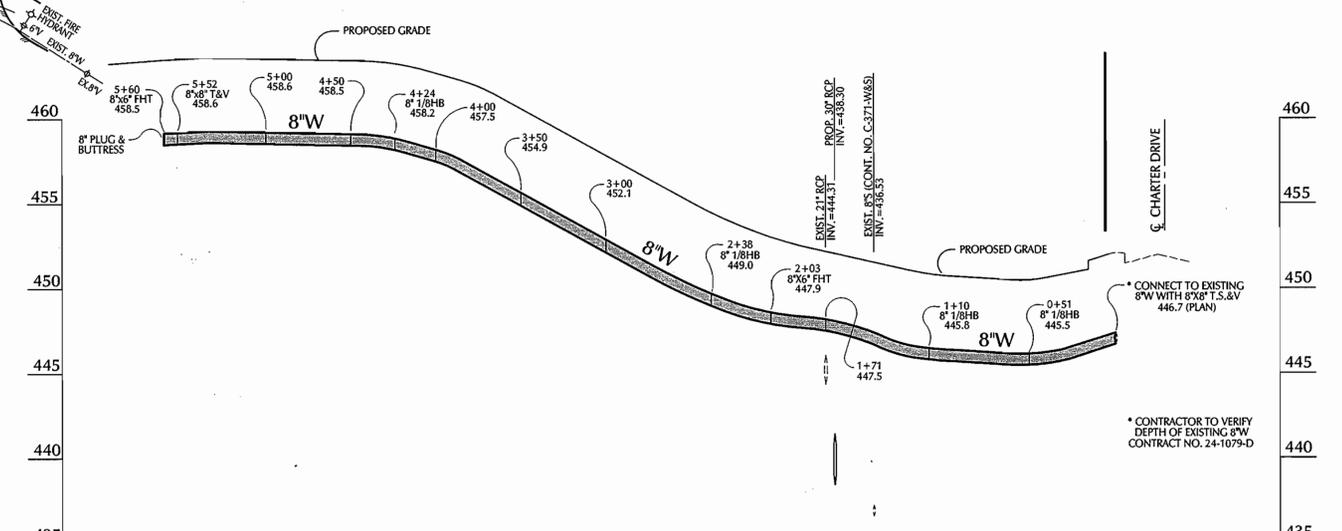
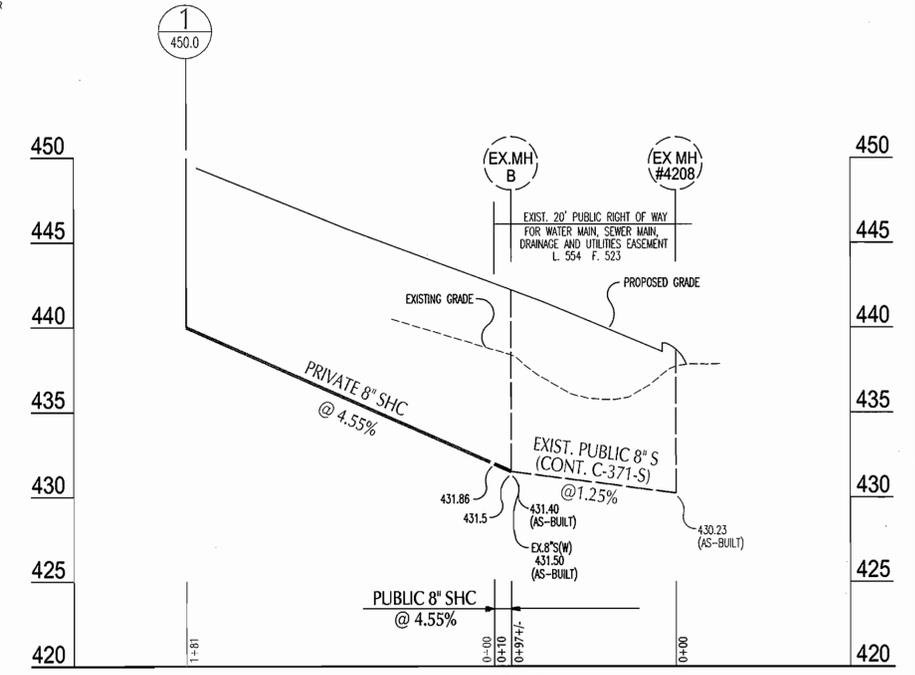
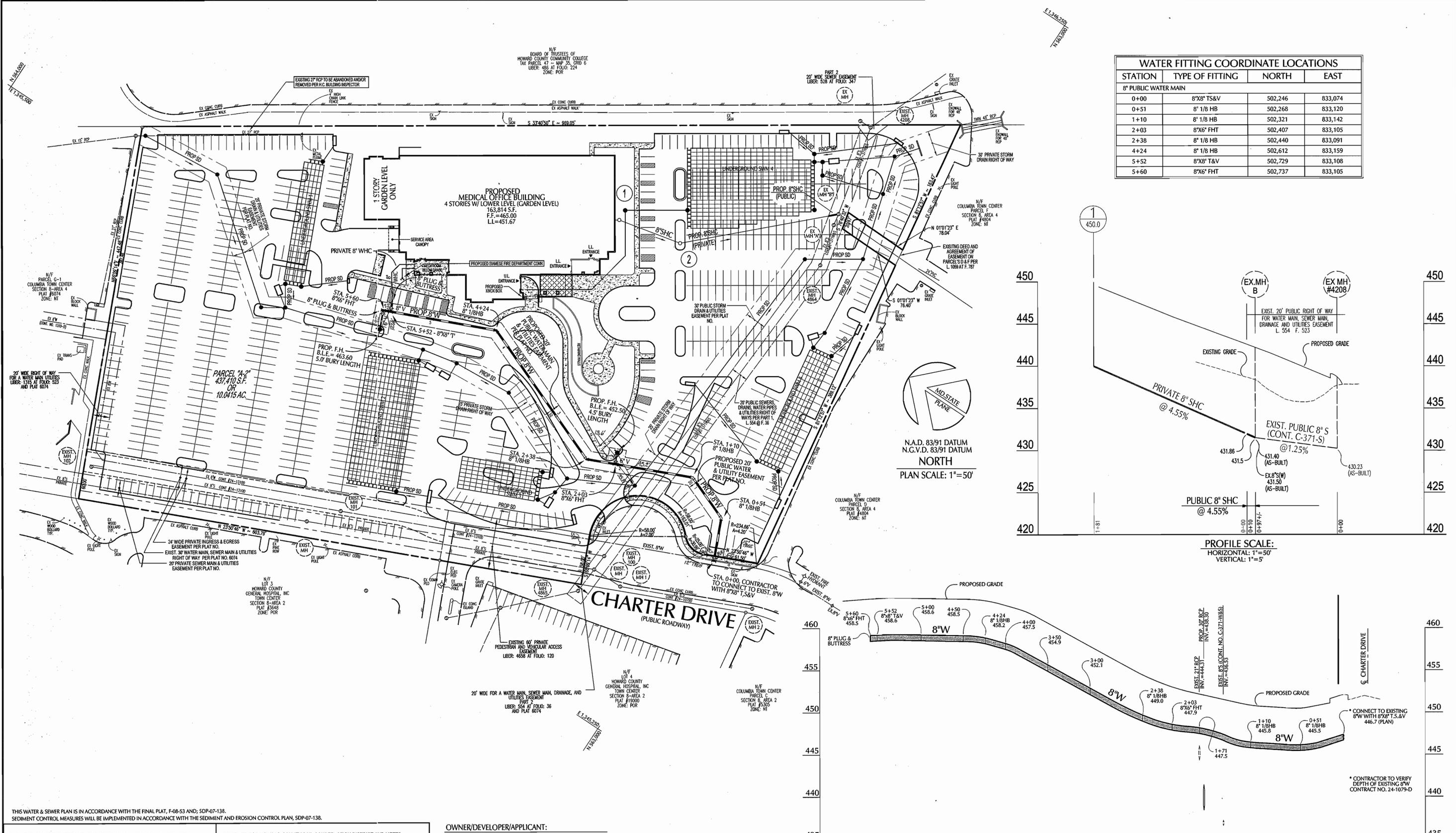
I hereby certify that these documents were prepared or supervised by me, and that I am a duly Licensed Professional Engineer in the State of Maryland.  
*[Signature]*  
DATE: NOV. 2007

DES: MNL					
DRN: MNL					
CHK: WJ					
DATE: NOV. 2007					
BY: NO.					
REVISION					
DATE: 5/16/08					
AS-BUILT DATA ADDED					

PUBLIC WATER & SEWER MAIN  
COVER SHEET  
600' SCALE MAP NO. \_\_\_\_\_ BLOCK NO. 5 and 6

THE MEDICAL PAVILION AT HOWARD COUNTY  
CONTRACT No. 24-4507-D  
TOWN CENTER  
SECTION 8 - AREA 4 - PARCEL A-2  
HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT No. 5  
SCALE AS SHOWN  
SHEET 1 OF 2  
TAX MAP: 35  
PARCEL: 276

WATER FITTING COORDINATE LOCATIONS			
STATION	TYPE OF FITTING	NORTH	EAST
8" PUBLIC WATER MAIN			
0+00	8"X8" TS&V	502,246	833,074
0+51	8" 1/8" HB	502,268	833,120
1+10	8" 1/8" HB	502,321	833,142
2+03	8"X6" FHT	502,407	833,105
2+38	8" 1/8" HB	502,440	833,091
4+24	8" 1/8" HB	502,612	833,159
5+52	8"X8" T&V	502,729	833,108
5+60	8"X6" FHT	502,737	833,105



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OWNER/DEVELOPER/APPLICANT:  
TO ACRES INVESTMENTS  
C/O MACKENZIE, CUSHMAN & WAKEFIELD ALLIANCE  
COMMERCIAL REAL ESTATE SERVICE, LLC  
2328 W. JOPPA ROAD  
SUITE 200  
LUTHERVILLE, MARYLAND 21093  
ATTN: MR. ROBERT J. ALUMILLER  
PHONE: 410-821-8585

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 12/1/07	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND DATE: 12/1/07	JOYCE ENGINEERING CORPORATION CIVIL ENGINEERING LAND SURVEYING LAND PLANNING CONSTRUCTION MANAGEMENT 10766 BALTIMORE AVENUE - BELTSVILLE, MARYLAND 20705 TEL: (301) 595-4333 FAX: (301) 595-4600 WWW: www.joyceeng.com © 2007 JOYCE ENGINEERING CORPORATION Contact: Mr. Michael N. Lyles	DES: MNL DRN: MNL CHK: WN DATE: JULY, 2007 BY: NO. REVISION DATE: 5/17/08	PUBLIC WATER & SEWER MAIN PLAN PROFILE 600' SCALE MAP NO. BLOCK NO. 5 and 6	THE MEDICAL PAVILION AT HOWARD COUNTY CONTRACT No. 24-4507-D TOWN CENTER SECTION 8 - AREA 4 - PARCEL A-2 HOWARD COUNTY, MARYLAND ELECTION DISTRICT NO. 5 TAX MAP: 35 PARCEL: 276	SCALE AS SHOWN SHEET 2 OF 2
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