GENERAL NOTES

ENGINEERING, INC., DATED FEBRUARY 2005.

- 1. APPROXIMATE LOCATION 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
- CONTRACTORS EXPENSE. 2. TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC AERIAL PHOTOGRAMETIC SURVEY PERFORMED BY WINGS AERIAL MAPPING COMPANY, DATED MARCH 1995, AND A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY ROBERT H. VOGEL
- 3. 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. 43B2 AND 43B6.
- ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROL PROVIDED ON THE DRAWINGS ARE 43B2 AND 43B6.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED. 5. 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 DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR 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.
- BY THE SYMBOL PAT THE LOCATION OF THE TEST PIT. A NOTES 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 OPERATION
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS:

AT &T	1-800-252-1133
BGE (CONTRACTOR SERVICE)	410-850-4620
BGE (EMERGENCY)	410-685-1400
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-553
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
- 10. 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 THE CONSTRUCTION OF THE MAIN.
- 1. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY 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(a) OF THE HOWARD COUNTY CODE.

PART II - WATER

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" 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 THE STANDARO DETAILS UNLESS OTHERWISE PROVIDED
- 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 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-05-078

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.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

10-12-05

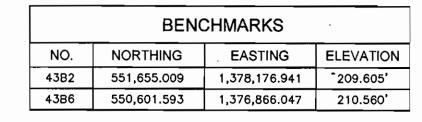
PART III - SEWER

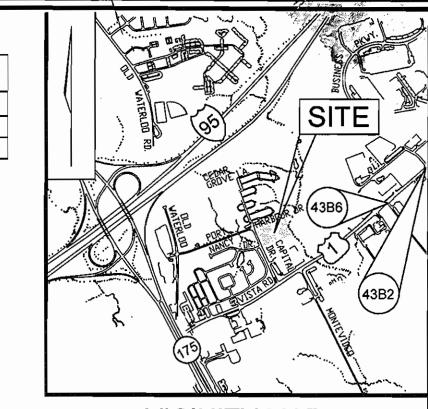
- 1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C UNLESS OTHERWISE NOTED.
- 2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 3. FORCE MAINS SHALL BE D.I.P. ONLY.
- 4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- 5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME 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 "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

PORT CAPITAL VILLAGE

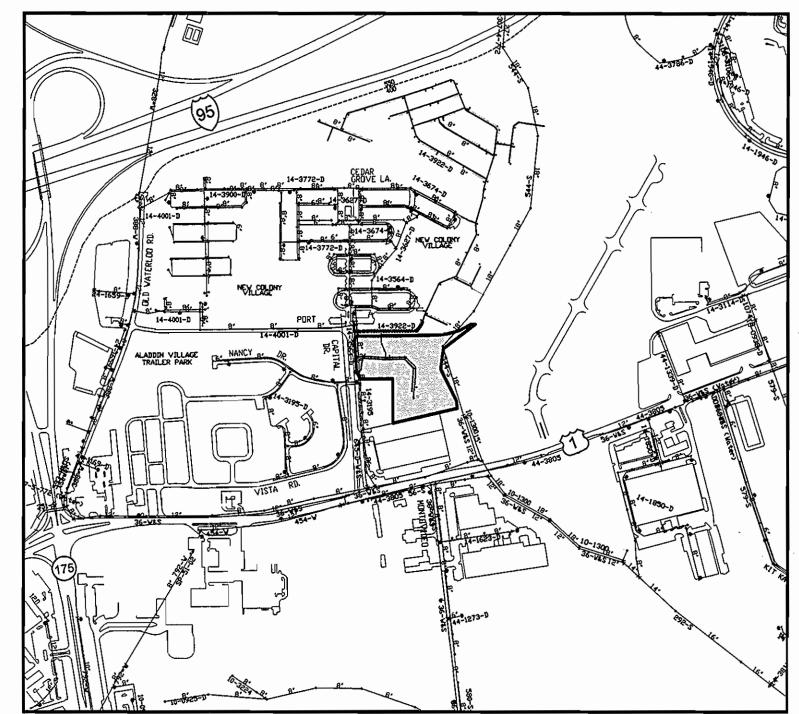
(THE OAKS AT WATERS EDGE PHASE III)

CONTRACT NO. 14-4303-D





VICINITY MAP SCALE: 1"=2000'



WATER CODE: B01 SEWER CODE: 2420000 WATER TEST GRADIENT: 550

TYPE OF BUILDING: NO. OF BUILDINGS: NO. OF WATER HOUSE CONNECTIONS: NO. OF SEWER HOUSE CONNECTIONS: PATAPSCO PATAPSCO WASTEWATER TREATMENT TREATMENT PLANT:

LOCATION PLAN

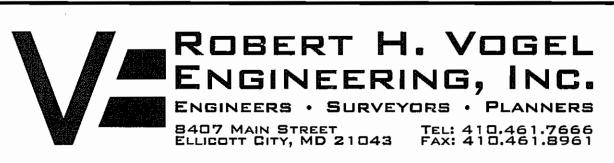
SEPT. 3, 2008

QUANTITIES								
NAME OF UTILITY CONTRAC	CTOR:							
SURVEY AND DRAFTING DI	VISION AS-BUILT I	DATE:						
ITEMS	QUANTITIES ESTIMATED	AS-BUILT						
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER				
8" WATER MAIN	858 LF	858 L.F.	CL SZ DIP	CRIFFIN PIPE / NATIONAL WATERWORK				
6" WATER MAIN	29 LF	29 L.F.	GL 52 DIP	11 11 / 4				
FIRE HYDRANT	2 EACH	2	A123 HYD	MULLER CO. /				
8"x 8" TAPPING SLEEVE AND VALVE	2 EACH	2		4 ", / ",				
8"x 6" FIRE HYDRANT TEE AND VALVE	2 EACH	2		UNION " FOUNDRY				
4" WHC	10 LF	IO L.F.	CL 52 DIP	GRIFFIN PIPE/				
1/8 HB	4 EACH			UNION / "				
8"x4" TEE	8 EACH	8 EA		UNION / "				
4" VALVE	8 EACH	8 EA		MUELLER CO. / ::				
8" VALVE	3 EACH	BEA		n 4 / " "				
8" SEWER MAIN	20 LF	206.F.	PVC	J.M.MANUFACT/ "				
6" WHC	70 LF	12	CC SZ DIP	MUELLER / "				
6 x 8" TEE	I EA	IEA "		NATIONAL WATER FOUNDRY				
6" X 4 REDUCER	1 EA	" 1 EA "		" "				

OWNER

HOWARD COUNTY HOUSING COMMISSION 6751 COLUMBIA GATEWAY DRIVE COLUMBIA, MD 21046 (410) 313-6320

DEVELOPER MBI DEVELOPMENT CO., INC. C/O THE INGERMAN GROUP 1100 PENNSYLVANIA AVE, SUITE 700 WILMINGTON, DE 19806 (302) 661-1560





	DESIGN BY: LJT			·		
, '	DESIGN BT. LUT					
	DRAWN BY: . LJT		,,			FINA
YOS	· · · · · · · · · · · · · · · · · · ·				,	CONSTR
•	CHECKED BY: RHV	KCI	2	ASBUILD DATA	2/20/06	
			1	REVISE WHC'S FROM 4" &1" TO 6" & 4"	4/4/06	
DATE:	DATE: 10.04.05 BY	BY	NO	REVISION	DATE	600' SCALE MAP NO. 43

FINAL WATER CONSTRUCTION PLAN

BLOCK NO. 4

PORT CAPITAL VILLAGE (THE OAKS AT WATERS EDGE PHASE III) CONTRACT NO. 14-4303-D

TAX MAP 43 PARCEL 644 LOT 4 HOWARD COUNTY, MARYLAND 1ST ELECTION DISTRICT

1 of 2

SHOWN

SCALE

