GENERAL NOTES

PART I

- 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
- A FIELD RUN TOPOGRAPHIC SURVEYS WERE PERFORMED BY FREDERICK WARD ASSOCIATES, DATED APRIL 2001.
- 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. 43EC, NO. 43EB
- ALL VERTICAL CONTROLS ARE BASED ON NAVD' 88. VERTICAL CONTROLS PROVIDED ON DRAWINGS ARE:
- GEODETIC SURVEY CONTROL #43EC (ELEV.=220.369)
- N. 547821.276, E. 1372882.447
- GEODETIC SURVEY CONTROL #43EB (ELEV. 214.991) N. 545963.658, E. 1371573.830
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED.
- 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.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL • AT 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 AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS: . 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 .410-531-5533 STATE HIGHWAY ADMINISTRATION .1-800-743-0033/410-224-9210

TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR

- 9. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF
- 10. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. 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 CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OF HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- 12. AN EXISTING HOUSE ON THIS SITE, 8221 LINCOLN DRIVE, IS TO BE REMOVED AND THE EXISTING SHC AND EXISTING WHC SHALL BE ABANDONED AT THE MAIN AND THE MAIN PLUGGED.

PART II - WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS
- 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE 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 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 7. FOR TWIN DROP HOUSE CONNECTIONS, SEE HO. CO. DETAIL S2.12 AND S2.14. 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.
- FORCE MAINS SHALL BE D.I.P. ONLY.

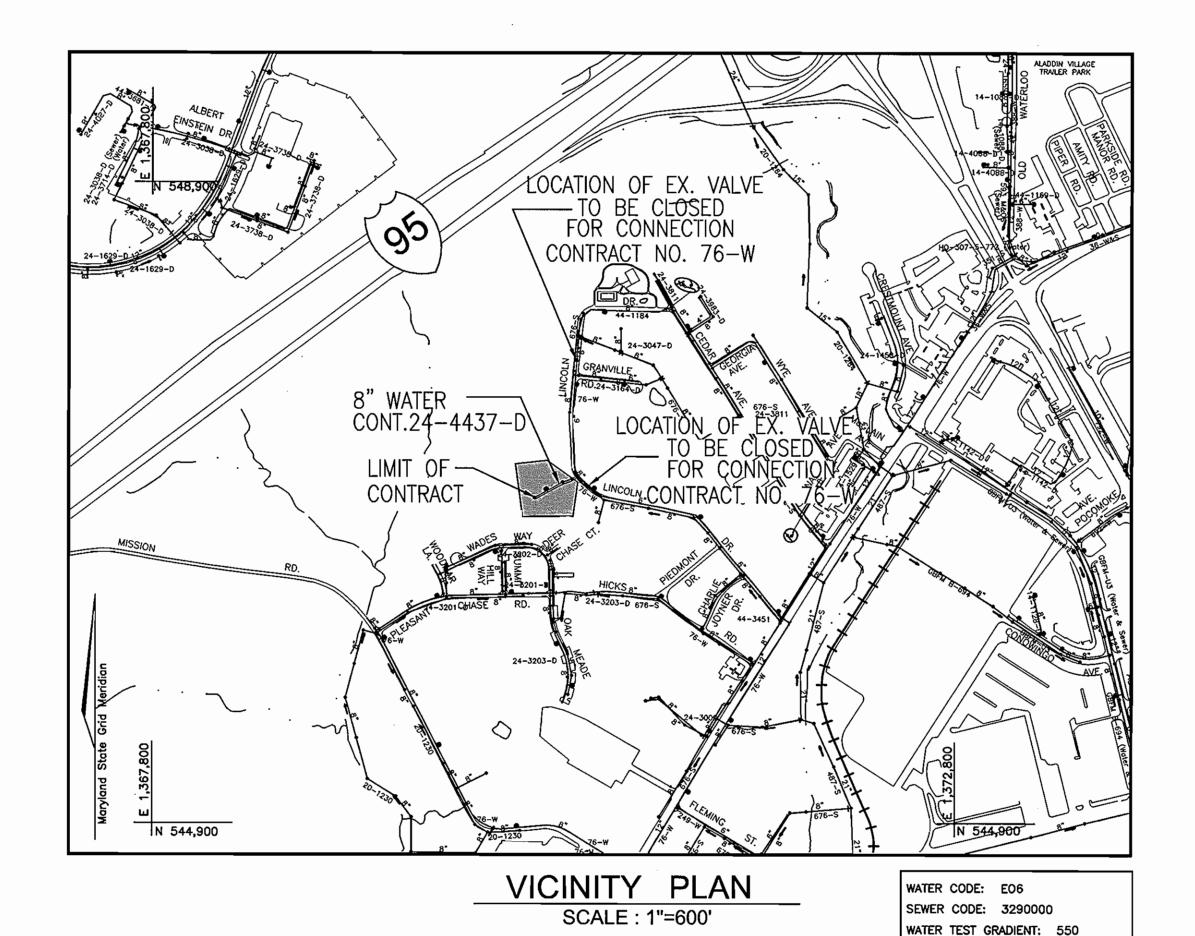
DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

- 4. MANHOLES SHOWN WITH 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 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.

FINAL WATER AND SEWER LINCOLN GLEN

LOTS 1-10 & OPEN SPACE LOT 11 HOWARD COUNTY, MARYLAND CONTRACT NO. 24-4437-D



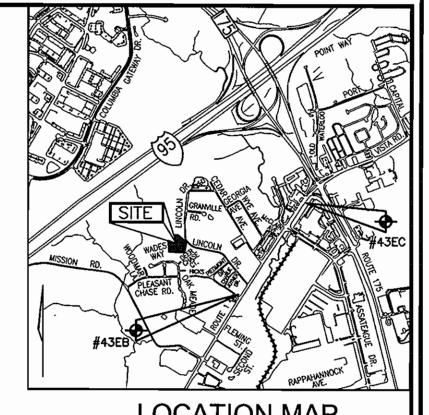
TYPE OF BUILDING: SINGLE FAMILY DETACHED

LITTLE PATUXENT RIVER

NO. OF WATER HOUSE CONNECTIONS:

NO. OF SEWER HOUSE CONNECTIONS:

NO. OF BUILDINGS:



LOCATION MAP SCALE: 1"=2,000'

BENCHMARK NO. 1: COUNTY CONTROL #43EC N 547821.276 E 1372882.447 ELEV. = 220.369

BENCHMARK NO. 2: COUNTY CONTROL #43EB N 545963.658 E 1371573.830 ELEV. = 216.991

	QUANTITIES					
	NAME OF UTILITY CONTRACTOR : GRADELINE CONSTRUCTION SERVICES (GCC)					
	SURVEY AND DRAFTING DIVISION AS-BUILT DATE: OCTOBER 2008					
	ITEMS	QUANTITIES	AS-BUILT			
	HEIMIO	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER	
	8" W. (DIP)	LF	314	DIP,GL.54	ATLANTIC STATES/FERGUSON	
	6" W. (DIP)	LF	20	DIP,CL.54	ATLANTIC STATES/FERGUSON	
	8"X6" FIREHYDRANT TEE & VALVE	EACH		MJ C153	TYLER-UNION FOUNDRY/	
					MUELLER COMPANY/	
L	FIREHYDRANT	EACH	1	(5') A 423	MUELLER COMPANY/ "	
	8" CAP & BUTTRESS	EACH	1	MJ	MUELLER COMPANY/ "	
6" 8	X"x6" TAPPING SLEEVE & VALVE	EACH	1	MJ C153	MUELLER / TYLER / "	
	1/8 HB	EACH	1	MJ 221/2	TYLER-UNION FOUNDRY/ "	
8	B" SEWER MAIN	LF	293	PVC,SDR35	DIAMOND PLASTICS/FERGUSON	
5	SEWER MANHOLES	EACH	4	CONC.PRECAS	T CONTRACTORS PRECAST CORP./SAM	
1	" WHC	LF	145	COPPER,TY:K	MUELLER / FERGUSON	
	4" SHC	LF	133	PVC,5DR 35	DIAMOND PLASTICS/FERGUSON	
	6"×8" REDUCER	EACH	1	DIP, CL.54	TYLER-UNION FOUNDRY/ "	

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH FINAL ROAD CONSTRUCTION PLAN. F. 08-41

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. 5/1/08

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS REQUIREMENTS. U.S. SOIL CONSERVATION DISTRICT

ROBERT H. VOGEL

DES: RJ DRN: RJ/JMR DATE: FEBRUARY 2008 REVISION

FINAL WATER AND SEWER CONSTRUCTION PLAN

DATE OCTOBER 2008

BLOCK NO. ____8_

3675 PARK AVE., STE. 301 ELLICOTT CITY, MARYLAND 21043 (410) 480-0023 LINCOLN GLEN LOTS 1-10 & OPEN SPACE LOT 11

CONTRACT NO. 24-4437-D

TAX MAP 43, BLOCK 8

SCALE SHOWN SHEET

1 OF 2 PARCEL 407 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Stelle Clem

DEPARTMENT OF PLANNING & ZONING

HOWARD COUNTY, MARYLAND

Engineering, Inc. ENGINEERS • SURVEYORS • PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

DATE 600' SCALE MAP NO. 43

OWNER/DEVELOPER MICHAEL PFAU

TRINITY QUALITY HOMES. INC.

