EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED UNDER F-13-074.

WELL AND SEPTIC ABANDONMENT TABLE

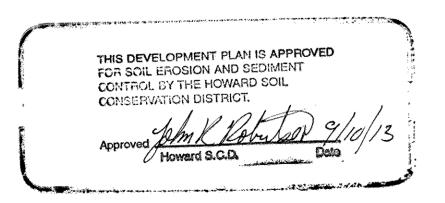
<u> </u>	<u>D DEI IIC</u>	ADANDOL	VIULIVI I I FAL	, LIL
ADDRESS	EXISTING WELL YES / NO	ABANDONED / REMOVED	EXISTING SEPTIC YES / NO	ABANDONED / REMOVED
1670 HENRYTON ROAD	YES	ABANDONED	YES	ABANDONED

LEGEND

---- EXISTING SEWER MAIN AND MANHOLE □--- EXISTING WATER MAIN AND VALVE EXISTING FIRE HYDRANT

PROPOSED WATER MAIN PROPOSED WATER HOUSE CONNECTION PROPOSED FIRE HYDRANT

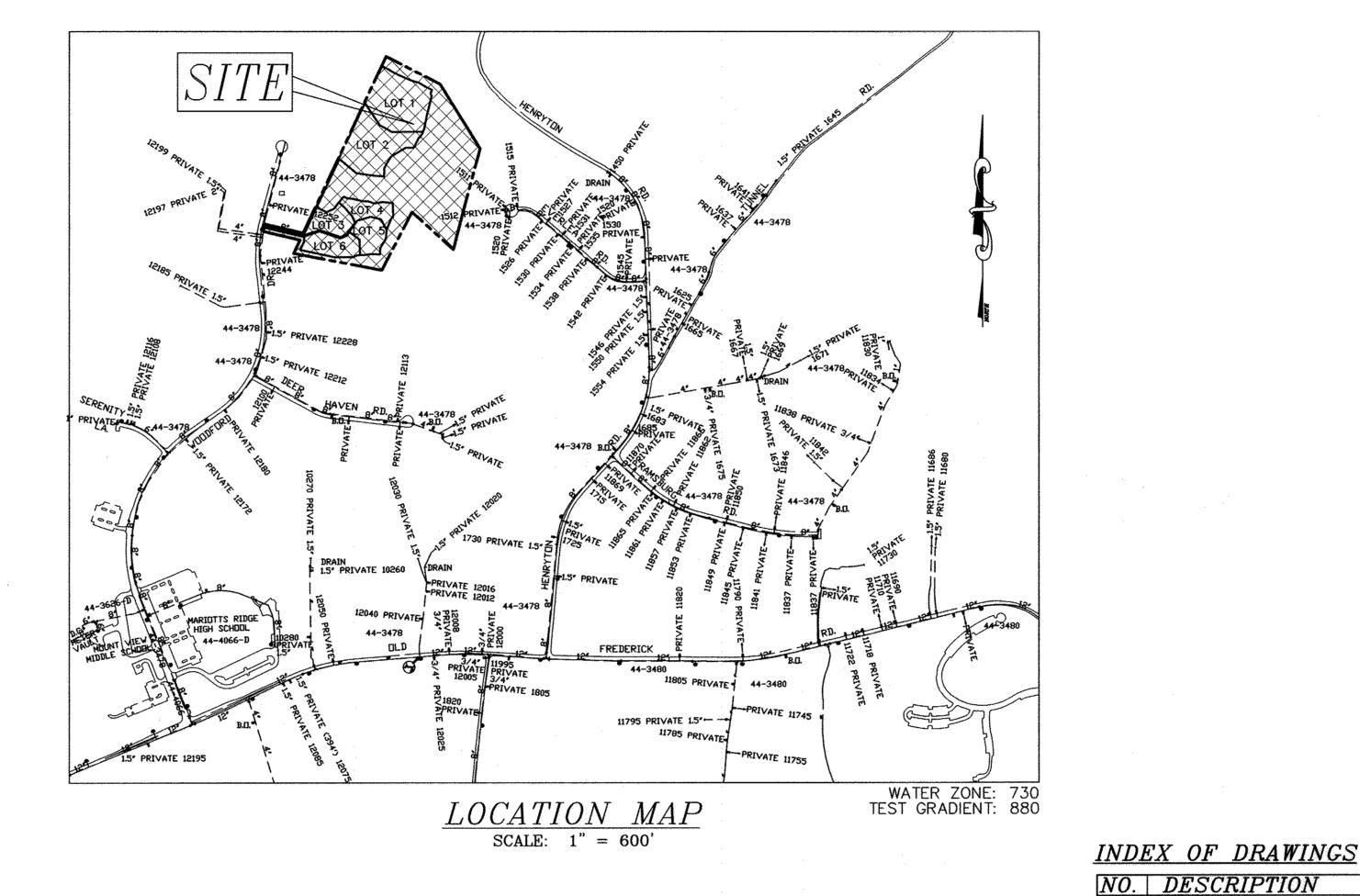
PROPOSED TEE PROPOSED BEND PROPOSED VALVE



PLAN REFERENCE NUMBERS: WP-06-132 WP-08-039 WP-13-050 F-07-215 ECP-13-037 F-13-074 F-13-075

OWNER/DEVELOPER DORSEY FAMILY HOMES, INC. 10717-B BIRMINGHAM WAY WOODSTOCK, MARYLAND 21163 (410)465-7200

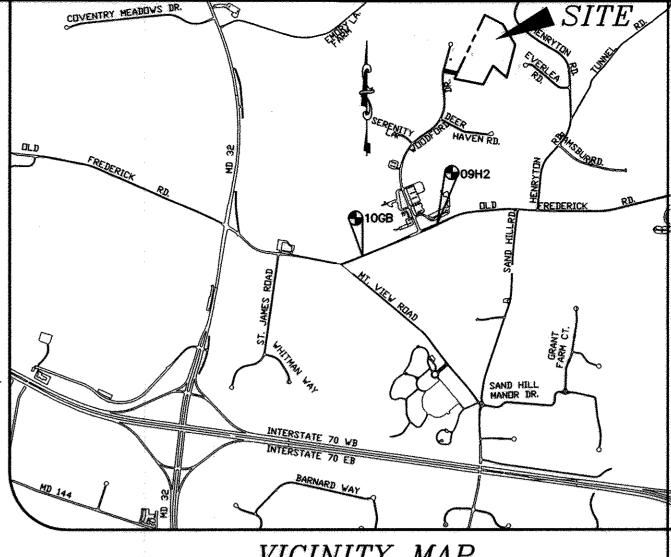
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 40091, EXPIRATION DATE: 2/13/15



TYPE OF BUILDING	RESIDENTIA
No. OF UNITS	6
No. OF WATER HOUSE	CONNECTION 3
No. OF SEWER HOUSE	CONNECTIONS 0
DRAINAGE AREA	PATAPSCO
TREATMENT PLANT	PATAPSCO

CONTRACT NO.: 44-4791-D

MELCHIOR PROPERTY LOTS 1 THRU 6, AND NON-BUILDABLE PRESERVATION PARCEL MAIN EXTENSION HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS



VICINITY MAP

1" = 2000' ADC MAP 11 GRID E7, F7

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
- TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED ON OR ABOUT OCTOBER, 2004 BY CHRISTOPHER CONSULTANTS, INC. 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 ALL VERTICAL CONTROLS ARE BASED ON NAVO '88. VERTICAL CONTROLS PROVIDED
- ON THE DRAWINGS ARE HO.CO. GEODETIC CONTROL STA. 10GB AND 09H2. 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 THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE 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.
- 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.
- THE SYMBOL B 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.
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEASE FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

BGE(CONSTRUCTION SERVICES)... .410-637-8713 BGE(EMERGENCY)... .410-685-0123 BUREAU OF UTILITIES ..410-313-4900 ...410-795-1390 COLONIAL PIPELINE CO., MISS UTILITY . ..1-800-257-7777 ...410-531-5533 STATE HIGHWAY ADMINISTRATION. ...1-800-743-0033/410-224-9210

- 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.
- 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 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 OPEN CUTTING OR RORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DRW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD

- ALL WATER MAINS SHALL BE D.I.P. CLASS 54 OR 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.
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH 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 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. 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON EXISTING WATER SYSTEM.
- TRACER WIRES AND CONTINUITY TES STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY
- 8. FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONBTROL AND Q UALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWWA STANDARD COOD FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLISED TO THE TEST RECORDS RECEIVED.
- 9. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC FITTINGS USED WITH PVC WATER MAINS IN ACCORDANCE WITH VOLUME IV. STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. SEVENTEEN (17) POUND MAGNESIUM ANODES SHALL BE INSTALLED ON AL VALVES AND DÚCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSES. TWELVE (12) POUND ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TEES" USED WITH PVC MAINS SHALL BE DUCTILE IRON.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

CHIEF, DEVELOPMENT ENGINEERING DIVISION NA CDATE

MILDENBERG, BOENDER & ASSOC., INC. 6800 Deerpath Road, Suite 150, Elkridge, Maryland 21075 (410) 997-0296 Balt. (410) 997-0298 Fax.



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2 *	approval RJH				
No/4090 05:	project 12-028	MBA	1	REMOVE FIRE HYDRANT #2	1/26/
SION STATE OF THE	date AUG 2013	BY	NO.	REVISION	DAT

COVER SHEET

600' SCALE MAP NO. 10 BLOCK NO. 13

COVER SHEET 2 WATER PLAN

3 WATER PLAN, PROFILES AND DETAILS

MELCHIOR PROPERTY LOTS 1 THRU 6, NON-BUILDABLE PRESERVATION PARCEL CONTRACT NO. 44-4791-D

THIRD ELECTION DISTRICT HOWARD COUNTY

f 1 of f 3

AS SHOWN

