



Howard County
Health Department

Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 12/17/12

ONSITE SEWAGE DISPOSAL SYSTEM

P 544409-B

INSTALLATION
APPROVAL DATE: 5/15/13

**PERMIT
CONSTRUCTION**

A _____

PROPERTY ADDRESS: 4039 Candle Light Drive

SUBDIVISION: Castleberry at Ten Oaks

LOT: 31

TAX ID: 05-447321

CONTRACTOR: Trinity Quality Homes

EMAIL: _____

CONTRACTOR ADDRESS: 3675 Park Avenue Ste 301, Ellicott City, MD 21043

PHONE: 410-480-0023

PROPERTY OWNER: Trinity Quality Homes

EMAIL: _____

OWNER ADDRESS: 3675 Park Avenue Ste 301, Ellicott City, MD 21043

PHONE: 443-324-9806

SEPTIC TANK SIZE (GALLONS): 2000

PUMP CHAMBER CAPACITY (GALLONS): _____

PUMP SIZE: _____

NUMBER OF BEDROOMS: 5

HOUSE SQ. FT. 5,450

APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED

LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>193' 230</u>	INLET DEPTH: <u>4</u> <i>(kw)</i>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>7' 8'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set septic tank per layout inspection. Set distribution box per layout inspection. Install 193.75 feet of trench on contour per layout inspection. <i>66 76 80 222</i> <i>~ 114 ton stone</i>	

ISSUED BY: Dana Bernard

ISSUE DATE: _____

EXPIRATION DATE: 12/17/13

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

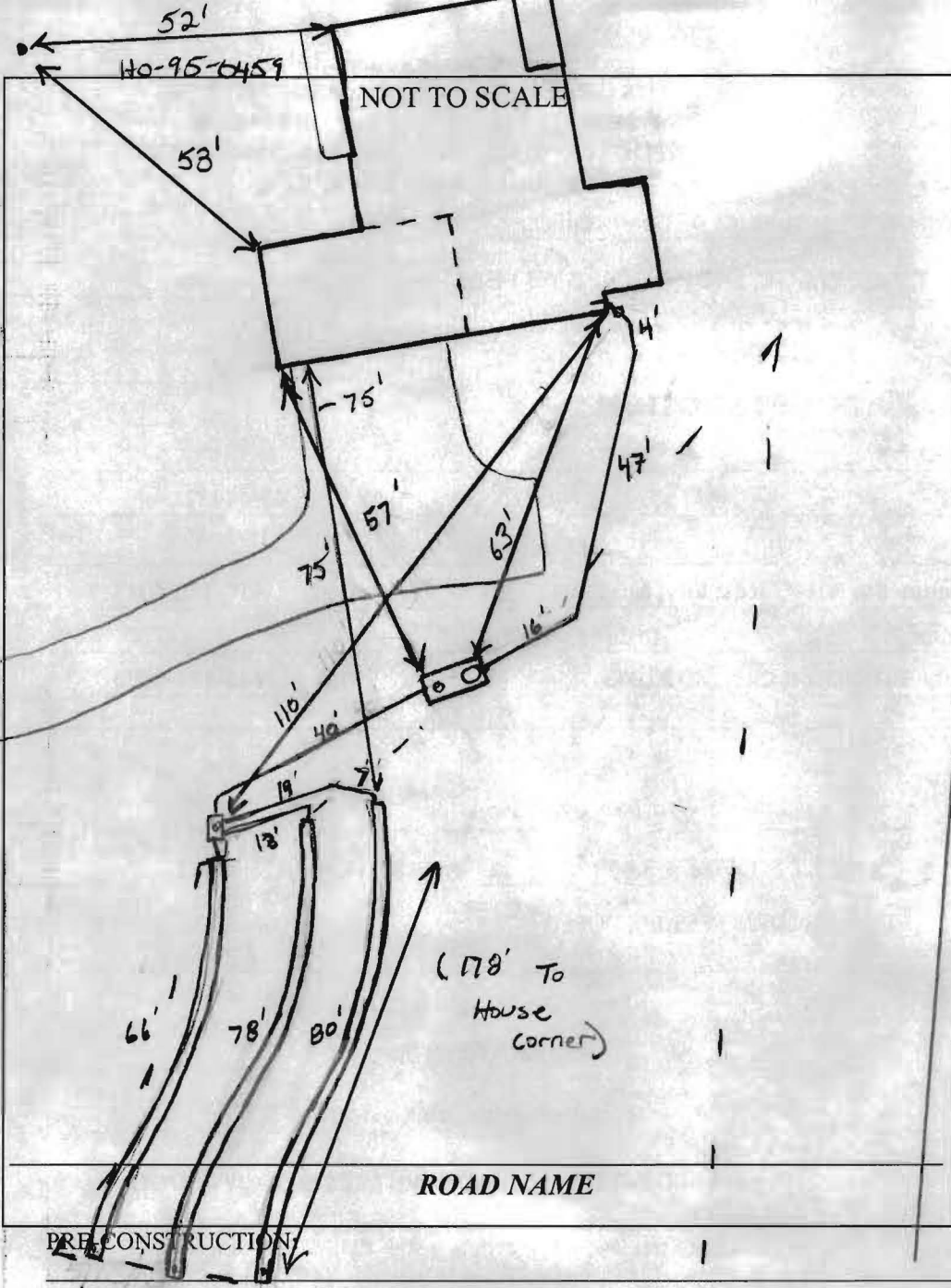
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		224'
ABSORPTION AREA		448'±SW
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	Yes
BAFFLE FILTER	-
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	2-27-13
PUMP/SEPTIC TANK LEVEL	N/A
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

5/13/13 Elevation's shot in field. will have plenty of fall to trenches. Avoid setting s.t. in fill. Do not set tank per approved BP plan. As the plan shows tank placement in fill. set D box @ top corner of ERA close to drive, install 3 trenches (66', 76', 80') running across

INSTALLATION: top of septic area on contour. Contour is a little jagged but keep w/ layout in field. (KW) 5/14/13 s.t. set per layout. SHE made. Pipe set ~2-2.5' below grade in original soil OK to continue (KW)

5/15/13 Top 2 trenches complete. Soil very sandy (tan Red/Yellow) @ 4'. Lower trench almost complete OK to cover work when finished. D box leveled. (KW)

FINAL INSPECTOR _____ DATE OF APPROVAL K. Vail

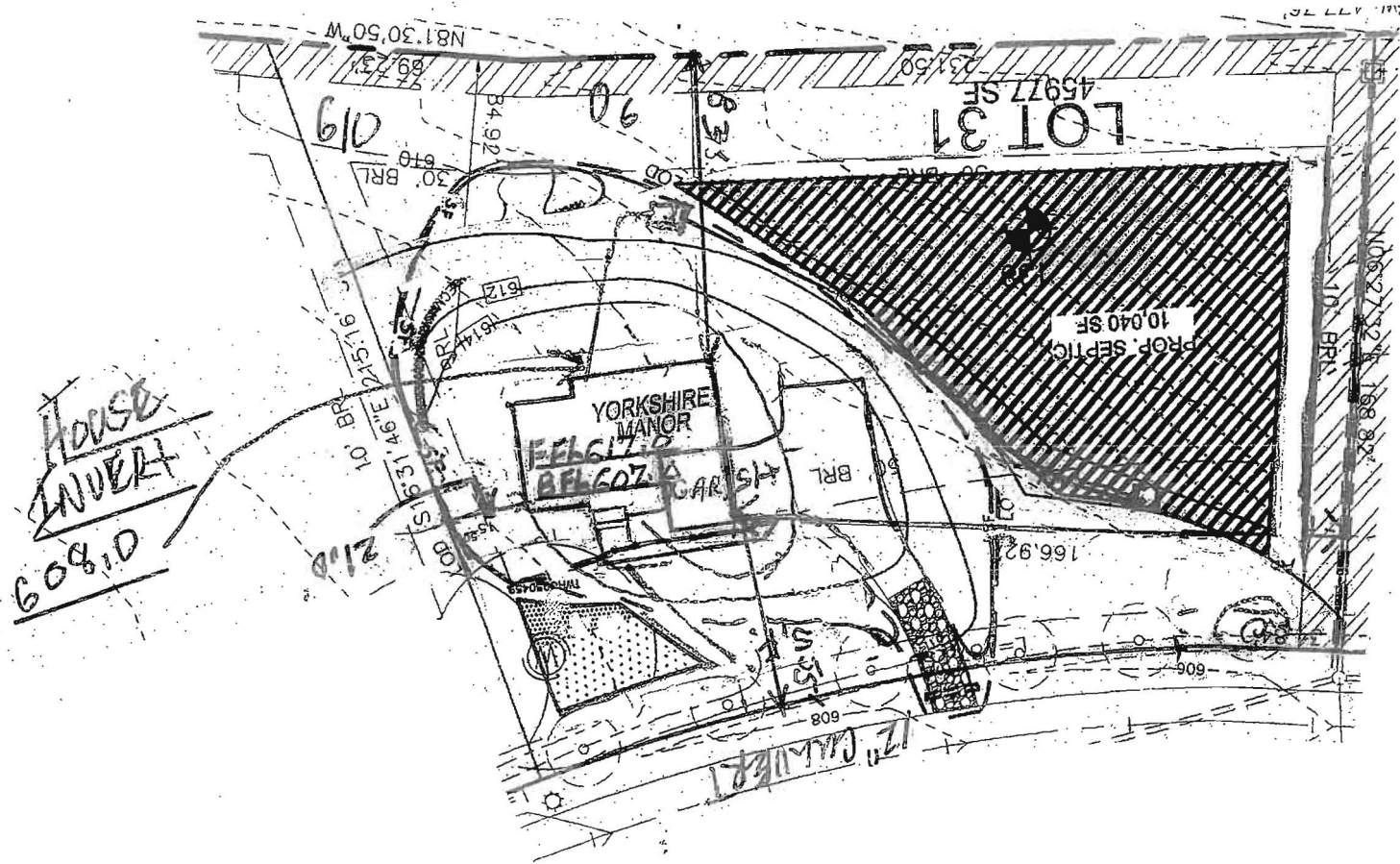
THE EXISTING WELL SHOWN ON LOT 31 TAG NO. 95-0459 HAS BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC., AND IS ACCURATELY SHOWN.

BUILDING OF LOT 31 FLOOR AREAS:
 BASEMENT FLOOR AREA: 1580
 FIRST FLOOR AREA: 1605
 SECOND FLOOR AREA: 1495
 BEDROOMS: 4

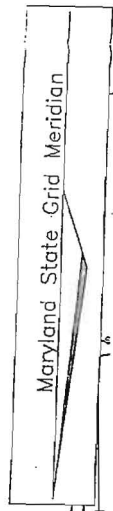
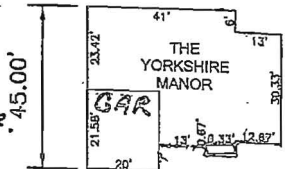
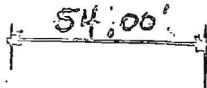
NOTE: STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY 2 MICRO-POOL EXTENDED DETENTION PONDS AND ONE BIO-RETENTION FACILITY APPROVED UNDER F-06-130

BUILDING PERMIT NO. _____

LOT No. 31
 SEPTIC TANK
 GROUND: 609.0
 INV. IN: 606.3
 INV. OUT: 606.0
 DIST. BOX
 GROUND: 608.0
 INV. IN: 605.0
 BASEMENT
 EJECTOR PUMP



50 SCALE



ADDRESS
4039 CANDLELIGHT DR.
 DAYTON, MD 21036

GP: 10-41

OWNER

CASTLEBERRY AT TEN OAKS, LLC.
 3675 PARK AVENUE, SUITE 301
 ELLICOTT CITY, MARYLAND 21043
 (410) 740-9401

SCALE: AS SHOWN
 DRAWN BY: JMR
 CHECKED BY: RHV
 DATE: MAY 2012
 PROJECT #: 2017085
 SHEET#: 1 OF 1

**PLOT PLAN
 CASTLEBERRY AT
 TEN OAKS**

LOT 31
 REF: F-06-130
 TAX MAP 22 PARCEL 90
 BLOCK 19
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

**ROBERT H. VOGEL
 ENGINEERING, INC.**
 ENGINEERS • SURVEYORS • PLANNERS
 8407 MAIN STREET TEL: 410.461.7666
 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

SCALE
 1"=50'

C:\p\j\2012\2017085\ENGR\DWG\LOT 31 PLAN LOT 45.dwg 5/16/2012 9:20:31 AM R:\rob\h.v\mec\jmr\lot31.dwg