

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-Q

INSTALLATION APPROVAL DATE: 7/11/2013 **PERMIT** A \_\_\_\_\_  
**CONSTRUCTION**

PROPERTY ADDRESS: 4035 Candle Light Drive

SUBDIVISION: Castleberry at Ten Oaks LOT: 32 TAX ID: 05-447348

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. 4,850 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>172' 210'</u>	INLET DEPTH: <u>3.5 5</u>
	TRENCH WIDTH: <u>3 2</u>	MAXIMUM BOTTOM DEPTH: <u>7 8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set septic tank per plan. Set distribution box per on upper SDA boundary, 10' from near corner. Install 1 x 52' & 2 x 60' trenches on contour in upper SDA. <u>60', 70' + 80'</u>	

ISSUED BY: Robert Bricker 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

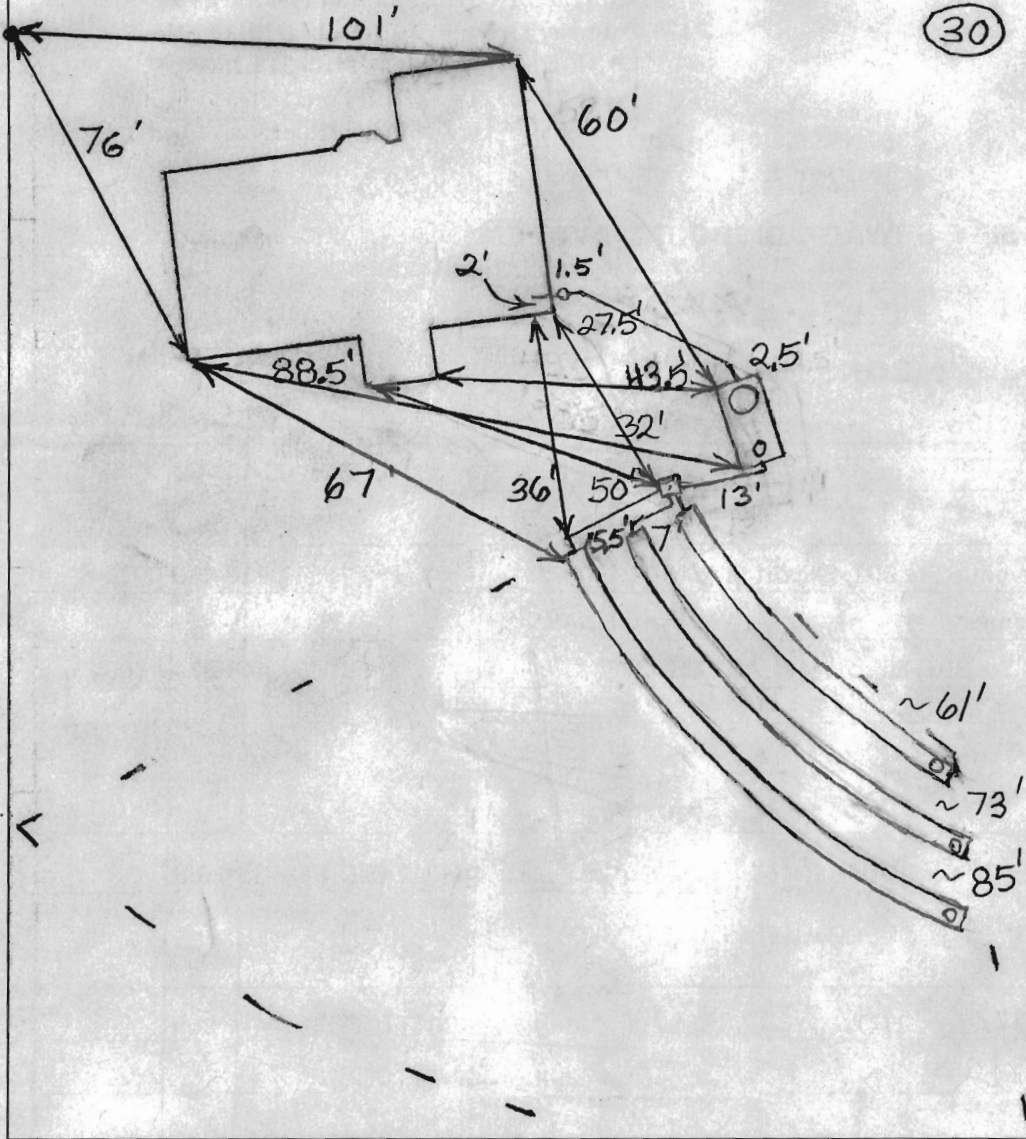
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.**

**PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

**CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

HO-95-0460

(30)



**TRENCH/DRAINFIELD DATA**

(If Installed/Needed)

WIDTH 2' INLET 5' BOTTOM 8'  
 NUMBER OF TRENCHES 3  
 TOTAL LENGTH ~219'  
 ABSORPTION AREA 657±  
 DIST. BOX LEVEL Levelers  
 DIST. BOX BAFFLE Yes  
 DIST. BOX PORT Yes

**HOOT 600 GPD BNR SYSTEM**

BAY RESTORATION FUND

MANUFACTURER Babylon  
 CAPACITY 2000 GAL  
 SEAM LOCATION Top  
 TANK LID DEPTH 2-2.5'  
~~BAFFLES~~ Yes  
 MANHOLE LOC Front  
 6" PORT LOC Rear  
 WATERTIGHT TEST No  
 AERATOR FUNCTIONING N/A  
 ALARM FUNCTIONING N/A  
 DATE ON LID 5/20/2013  
Slotted

7/5/2013 Install a 60', 70' and 80' trench on contour across the top of the easement. Set the tank near the top corner of the easement. (BB)

7/10/2013 Tank and dist. box set. Top trench done. House connection made. (BB)

7/11/2013 System finished. O.K. to backfill. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 7/11/2013



R= 570.00' L=171.14

(NAD83/91)

EX. WELL  
HO-950460

101

50' BRL

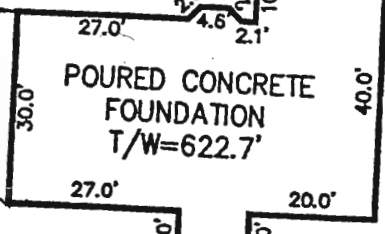
58.2'

59.3'

S16°31'46"E 215.16'

10' BRL

LOT 32  
48,749 SQ.FT.



1" ~ 30'

137.3

*well deck*

PRIVATE SEWAGE EASEMENT

*OK*  
*sub*  
*6/14/13*

10' BRL

30' BRL

216.63'

PLAT OF OAKWOOD FOREST LOT 2 PLAT NO. 6577

N81°30'50"W

OAKWOOD FOREST LOT 5 PLAT NO. 8565

SEPTIC SPECIFICATIONS WORKSHEET

Subdivision Castle berry at Ten Oaks A \_\_\_\_\_  
 Street Name 4035 Candlelight Drive Lot Number 32  
 Average Percolation Rate (min./in.) 7 min./inch Application Rate (GPD/sq. ft.) 0.8  
 Number of Bedrooms 5 Design Flow (#BRx150) = 750  
 Square Footage (of House) 4850 Septic Tank Capacity (gal.) 2000  
 Sidewall Credit / % Reduction 2.5 feet / 55% Total Length of Trench (ft.) 172

\*All Septic/Pump tanks must be top seamed unless otherwise approved by this agency.

\*All Septic tanks must be compartmented unless otherwise approved by this agency.

Baffle/Filter Required? Yes  No

TRENCH DIMENSIONS: Trench to 3 feet wide. Inlet is at 35 feet below original grade with 3.5 feet of stone below the distribution pipe. Bottom maximum depth is 7 feet below original grade. Effective sidewall begins at 4.5 feet below original grade. Maintain at least 10 feet spacing between trenches.

PUMP SYSTEM PROPOSED? YES  NO

Pump system details: \_\_\_\_\_ gallon pump chamber

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test required prior to Health Department approval of pumped septic system.

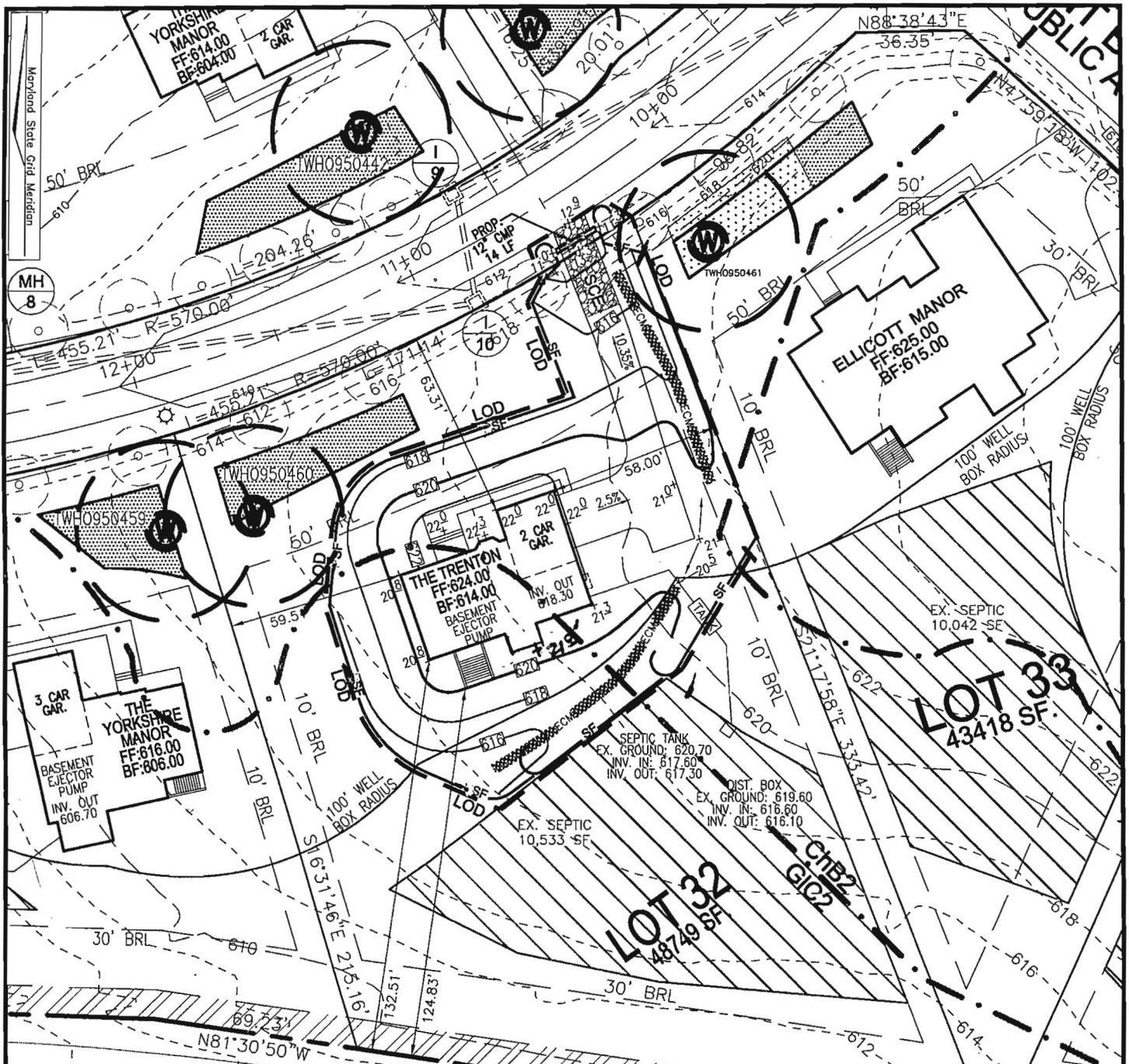
LOCATION:

1. Set septic tank per plan
2. Set distribution box on upper SDA boundary, 10' from near corner.
3. Install 1x52' trenches on contour in upper SDA  
8x60'

ADDITIONAL NOTES Do not order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

Reviewed by: RB

Date: 5/8/13



OAKWOOD FOREST  
 PLAT 6577  
 LOT 2  
 ZONED RR-DEO

REVISED

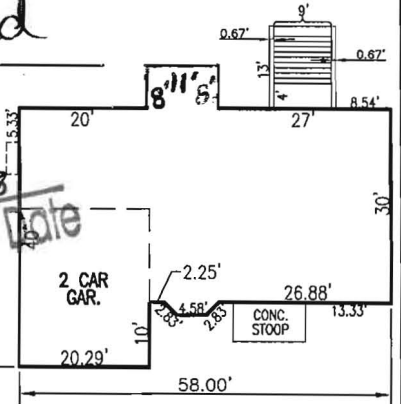
Date: 5/18/13  
 Comments: B12002174

Approved Septic System Plan  
 Howard County Health Department

SCALE  
 Revision approved  
 as shown  
 5-Bed room SFD  
 B12002174  
 5/18/13  
 Signature

THE EXISTING WELL SHOWN ON LOT 32 TAG NO. 95-0460 HAS BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC., AND IS ACCURATELY SHOWN.  
 BUILDING OF LOT 32 FLOOR AREAS:  
 BASEMENT FLOOR AREA: 1505  
 FIRST FLOOR AREA: 1525  
 SECOND FLOOR AREA: 1820  
 BEDROOMS: 5

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. \_\_\_\_\_



THE TRENTON  
 W/ CULT. STONE  
 VENEER & SIDING  
 SCALE: 1"=30'

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

PLOT PLAN  
**CASTLEBERRY AT TEN OAKS**  
 LOT 32  
 REF: F-06-130  
 TAX MAP 22 PARCEL 90  
 BLOCK 19  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

ADDRESS  
 4035 CANDLE LIGHT DR.  
 DAYTON, MD 21036  
 GP: 10-68

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

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