

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: 10-10-14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 5552108

INSTALLATION APPROVAL DATE: 10/29/2014 **PERMIT** A \_\_\_\_\_  
**CONSTRUCTION**

PROPERTY ADDRESS: 12309 Pleasant View Drive

SUBDIVISION: Fulton Manor II LOT: 5 TAX ID: \_\_\_\_\_

CONTRACTOR: Freedom Septic Clean Inc. EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 2809 Liberty Road, Eldersburg, MD 21784 PHONE: 410-795-2947

PROPERTY OWNER: Trinity Quality Homes EMAIL: \_\_\_\_\_

OWNER ADDRESS: 3675 Park Avenue Ste 301, Ellicott City, MD 21043 PHONE: 443-324-9806

BAT UNIT MODEL: Norweco BAT UNIT SIZE: 600GPD

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ PUMP SIZE: \_\_\_\_\_

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. \_\_\_\_\_ APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>150'</u>	INLET DEPTH: <u>SEE BAT PLAN 4.5'</u>
	TRENCH WIDTH: <u>SEE BAT PLAN 2'</u>	MAXIMUM BOTTOM DEPTH: <u>8.5'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>SEE BAT PLAN</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5'</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 BAT unit per plan  <u>3x50' Trenches</u>	

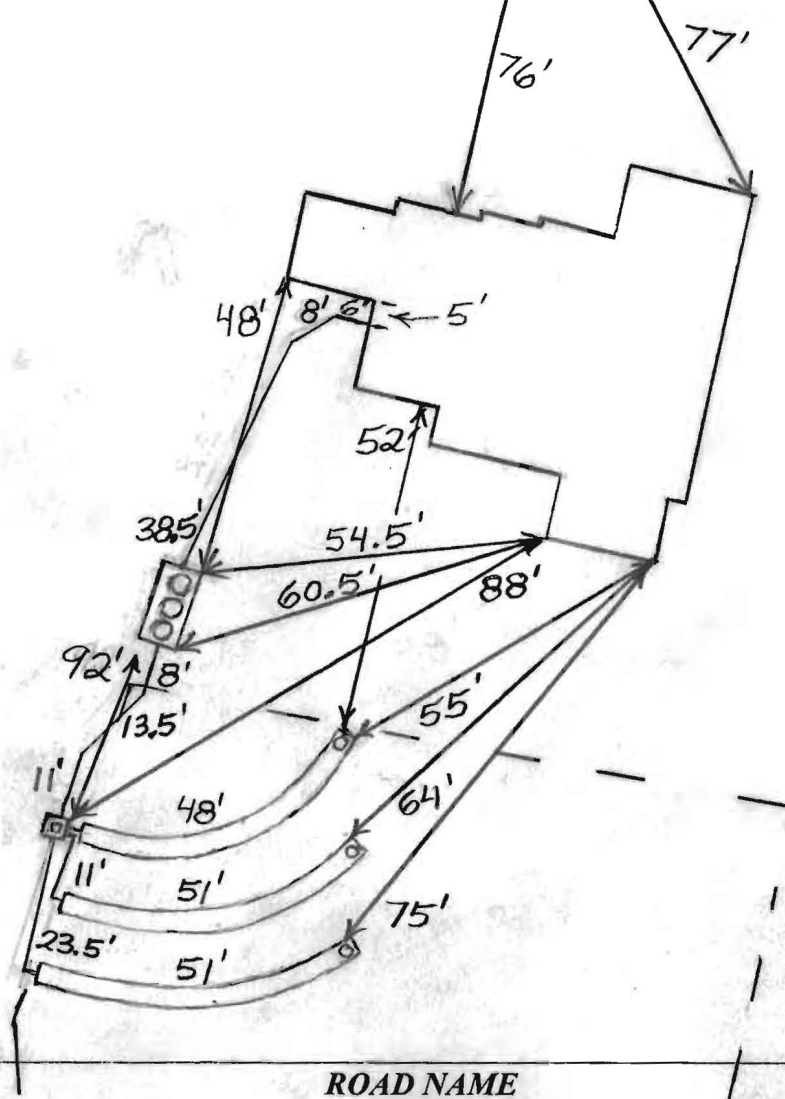
ISSUED BY: Jeff Williams ISSUE DATE: 10/10/2014 EXPIRATION DATE: 10-10-15

- 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-95-1930

NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA		
WIDTH	INLET,	BOTTOM
2'	4.5'	8.5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		150'
ABSORPTION AREA		600
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Back River Precast Norweco
CAPACITY	1300 GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-1'
BAFFLES	No
BAFFLE FILTER	N/A
MANHOLE LOC	Front Middle + Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	10/15/2014
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	

PRE-CONSTRUCTION:

10/23/2014 Swale in southern part of easement more pronounced than shown on plan. Shortened trench lengths to 50' to avoid part of swale. I install three 50' trenches on contour in highest usable part of northern section of septic easement. I install tank per plan. (BB)

INSTALLATION:

10/24/2014 Need house connection. Tank being set. (BB)  
 10/27/2014 Tank and dist. box set. (BB)  
 10/29/2014 House connection made. System finished. Received approval of BAT unit from Norweco representative. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 10/29/2014

# Back River Pre-Cast, LLC

PO BOX 329  
Glyndon, MD 21071  
Phone # 410-833-3394  
Fax # 410-833-4116

## Letter of Certification

This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 12309 Pleasant View Dr., Highland, MD 20777 October 24, 2014 was installed according to the manufacture's specifications.

Installer: Daniel Farrow



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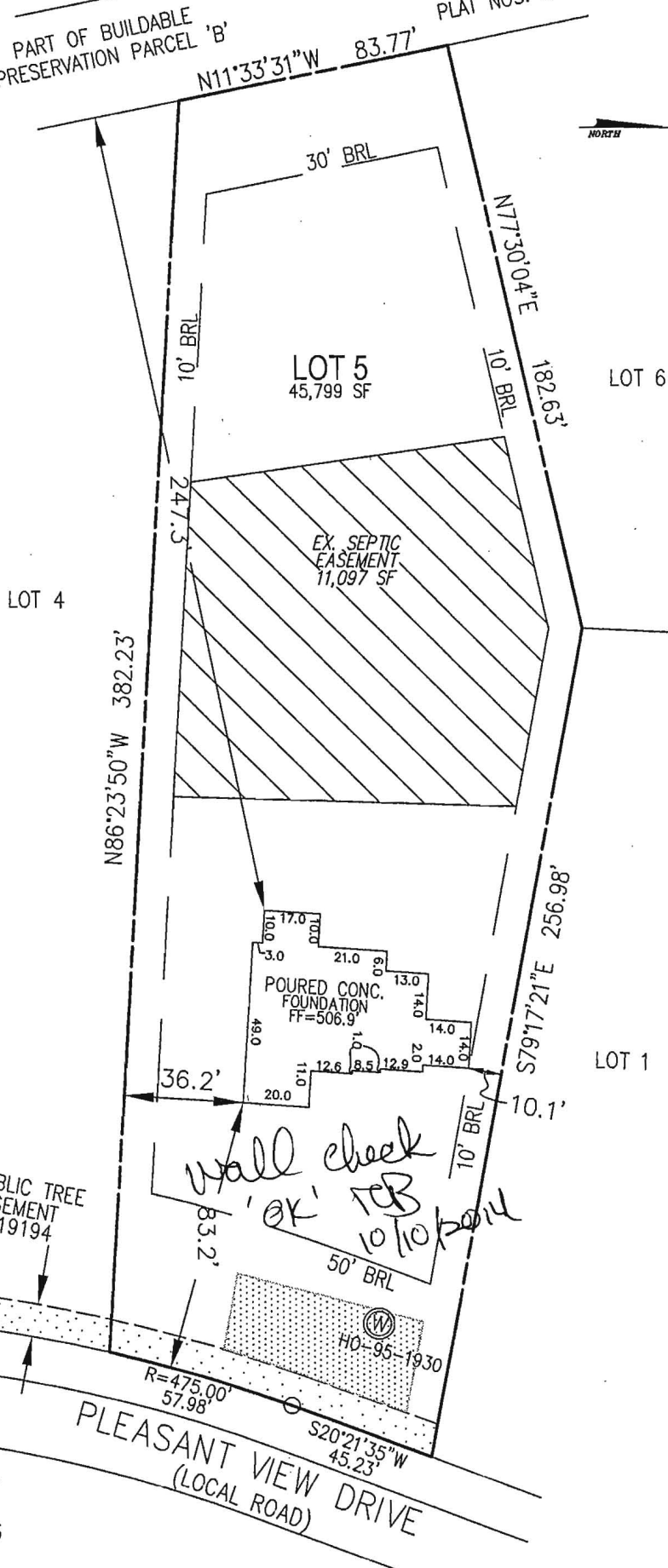
MATTHEW GECKLE

Vice-President

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

PART OF BUILDABLE PRESERVATION PARCEL 'B'  
 N11°33'31"W 83.77'

PART OF EX. PUBLIC FOREST CONSERVATION EASEMENT NO. 1 PLAT NOS. 20775-20776



FULTON MANOR LOTS 1 - 3 PLAT NO. 11255

PLEASANT VIEW DRIVE (LOCAL ROAD)  
 R=475.00' 57.98'  
 S20°21'35\"/>

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

*Thomas M. Hoffman Jr.*

10.6.14

THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE

PROFESSIONAL CERTIFICATION; I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 267, EXPIRATION DATE JULY 28, 2016.

BUILDING PERMIT #14002287

SCALE 1" = 50'	DATE 10/4/14
DRAWN BY R.E.D.	CHECKED BY T.M.H.
PLAT NUMBER 22479-22481	JOB NUMBER 13-33.00

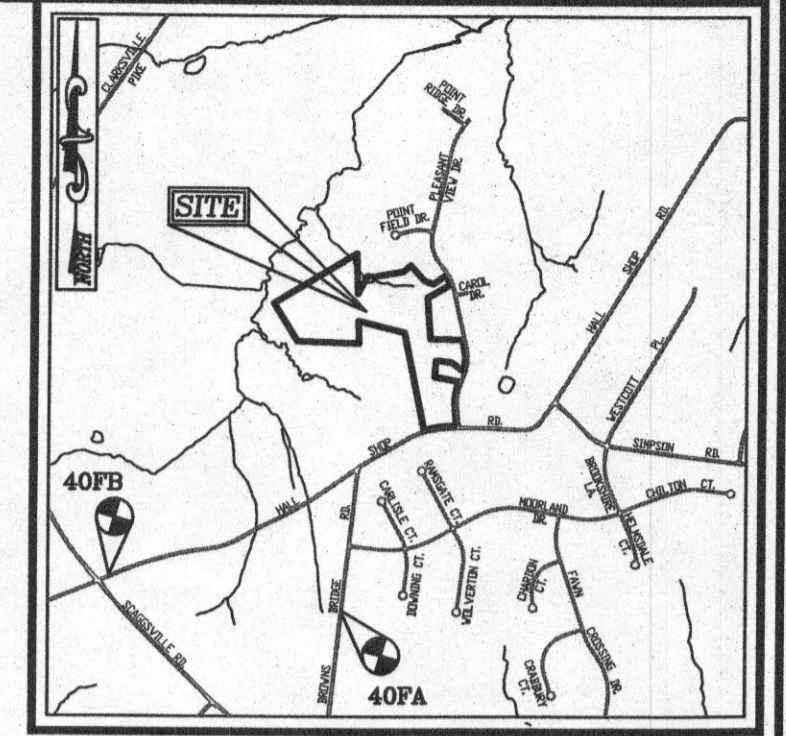
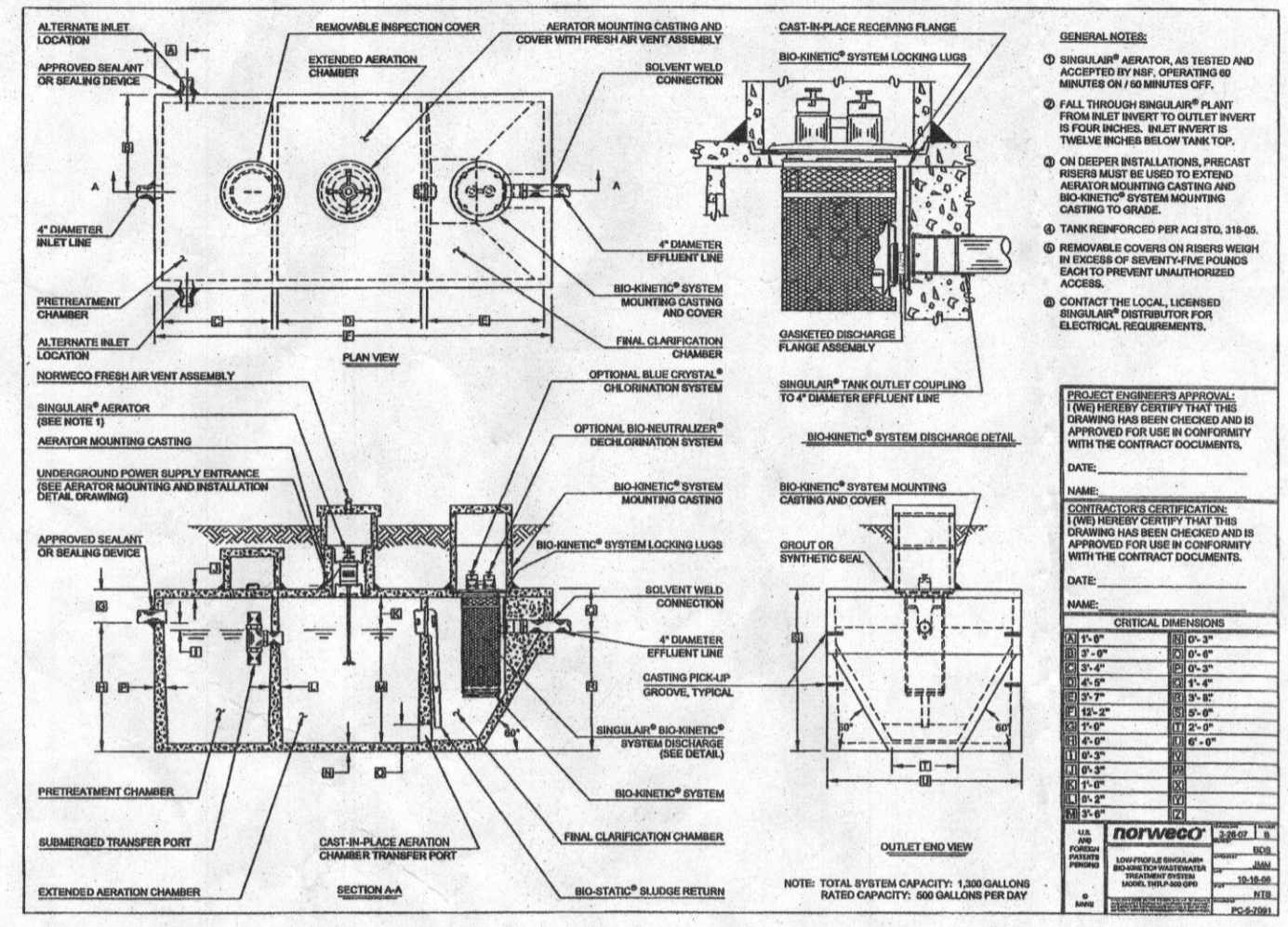
ROBERT H. VOGEL ENGINEERING, INC.  
 ENGINEERS - SURVEYORS - PLANNERS  
 8407 MAIN STREET  
 ELLICOTT CITY, MARYLAND 21043  
 TEL: 410-461-7666 FAX: 410-461-8961

WALL CHECK DRAWING  
 12309 PLEASANT VIEW DRIVE  
 LOT 5  
 FULTON MANOR II  
 PLAT NO. 22479  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND



**GENERAL NOTES:**

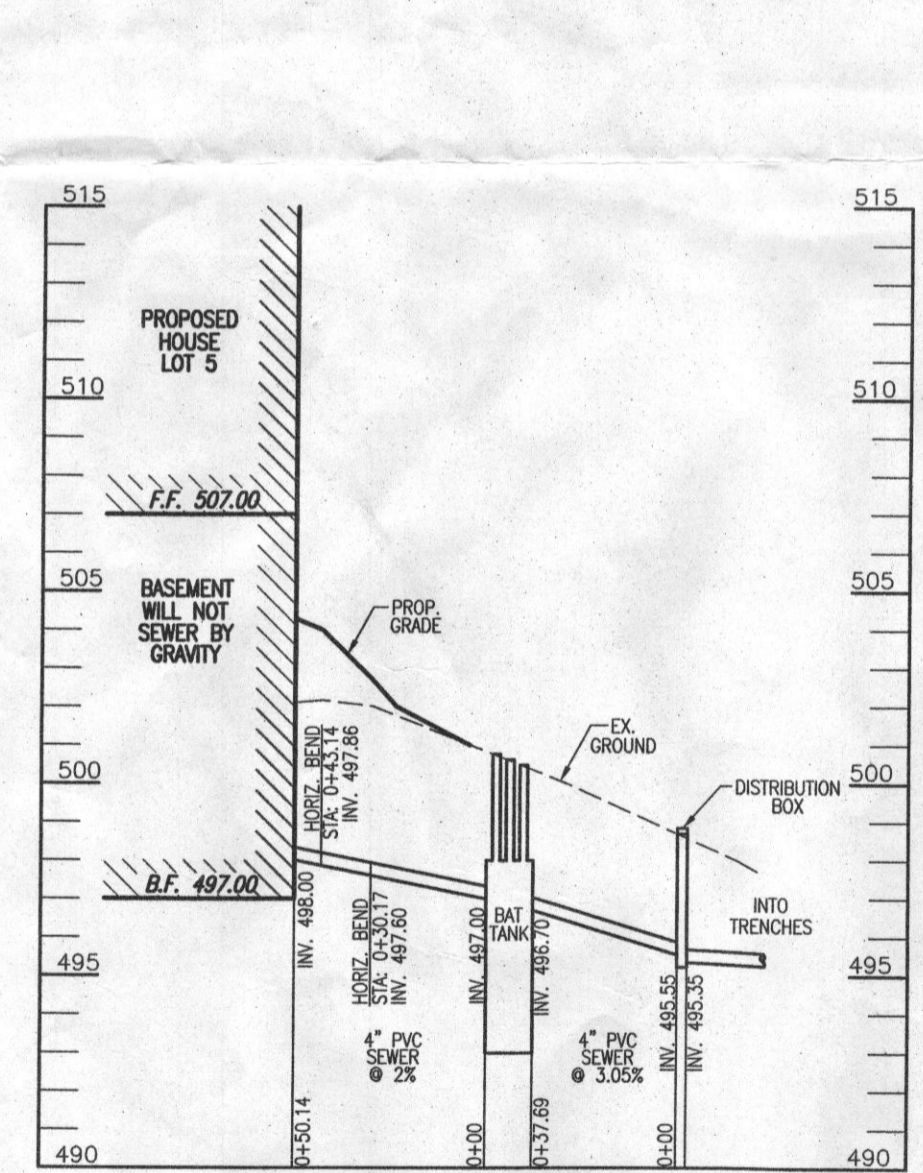
1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET.
3. NO BLOWER IS REQUIRED. THE NORWECO WASTEWATER TREATMENT SYSTEM HAS AN AERATOR MOUNTED IN THE TANK.
4. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
5. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
6. WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
7. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
8. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.
9. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.



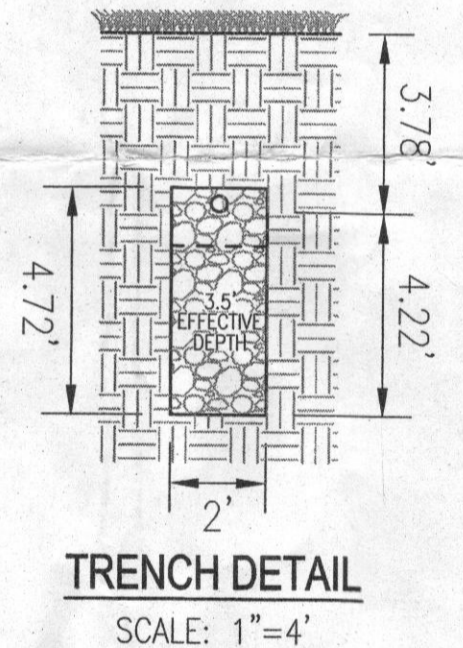
**VICINITY MAP**  
SCALE: 1"=2000'

**LEGEND**

EXISTING 2' CONTOUR	---	382
EXISTING 10' CONTOUR	---	380
RIGHT-OF-WAY	---	
BOUNDARY	---	
ADJACENT BOUNDARY	---	
PASSED PERC. TEST	●	
FAILED PERC. TEST	○	
EXISTING WELL FIELD LOCATED	⊙	
APPROVED WELL AREA	⊞	



**BAT SYSTEM PROFILE**  
SCALE: HORIZONTAL - 1"=50'  
VERTICAL - 1"=5'



**TRENCH INFO.**

TRENCH	TRENCH LENGTH	INV. INTO TRENCH	BOTTOM OF TRENCH	EXISTING GRADE
1	75'	494.86	490.64	498.64
2	75'	494.41	490.19	498.19

**TRENCH DETAIL**  
SCALE: 1"=4'

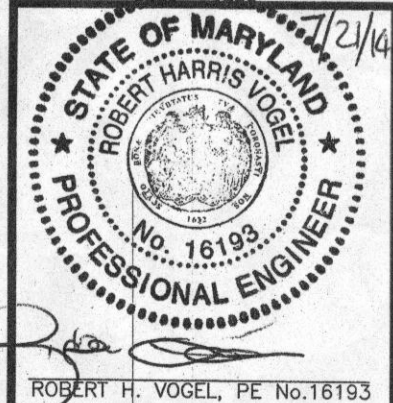
**OWNER/DEVELOPER**  
TRINITY HOMES  
3675 PARK AVENUE, SUITE 301  
ELLCOTT CITY, MARYLAND 21043  
(410) 480-0023

**SITE PLAN FOR BAT INSTALLATION**

**FULTON MANOR II - LOT 5**  
STELLA DRIVE  
FULTON, MD 20759

TAX MAP: 40 BLOCK: 6  
5TH ELECTION DISTRICT  
PARCEL: 205 & 94  
ZONED: RR-DEO  
HOWARD COUNTY, MARYLAND

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



DESIGN BY: RHV  
DRAWN BY: JMR  
CHECKED BY: RHV  
DATE: MAY 2014  
SCALE: 1"=400'  
W.O. NO.: 13-33

Approved Septic System Plan  
Howard County Health Department  
Date: 7/30/14

1 SHEET OF 1

**SYSTEM CALCULATIONS:**  
4 BEDROOMS AT 600gpd / 0.8 ABSORPTION RATE = 750 SQ. FT.  
750 SQ. FT. / 2 (TRENCH WIDTH) x .40 (SIDEWALL REDUCTION) = 150 LINEAR FEET  
2 TRENCHES OF 75 FEET IN LENGTH ARE PROVIDED WITH THE SYSTEM FOR LOT 5.

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.