



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: 5-16-14 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 5460304-1

INSTALLATION  
APPROVAL DATE: 8/27/15

# PERMIT CONSTRUCTION

A \_\_\_\_\_

PROPERTY ADDRESS: 2684 Daisy Road

SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ TAX ID: \_\_\_\_\_

CONTRACTOR: WTC Contractors EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-875-9771

PROPERTY OWNER: Kathy and Kevin Vasquez EMAIL: katvasquez@aol.com

OWNER ADDRESS: 3621 Black Walnut Lane PHONE: \_\_\_\_\_

BAT UNIT MODEL: ECOPOD E60 BAT UNIT SIZE: 600 GPD

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

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. \_\_\_\_\_ APPLICATION RATE: \_\_\_\_\_

DISTRIBUTION SYSTEM: GRAVITY FED ☒ LOW PRESSURE DOSED ☐

~100 ft

TRENCHES:	LINEAR FEET REQUIRED: <u>See BAT Plan 194 LF</u>	INLET DEPTH: <u>See BAT Plan 3'</u>
	TRENCH WIDTH: <u>See BAT Plan 2'</u>	MAXIMUM BOTTOM DEPTH: <u>See BAT Plan 7'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>See BAT Plan</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>See BAT Plan</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>3 x 6.5'</u>	

ISSUED BY: Jeff Williams ISSUE DATE: 5-16-14 EXPIRATION DATE: 5-16-14

**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.**

NOT TO SCALE

7/30/15 Pump + alarm with WTC. Alarm at barn pump tank works, pump successfully pumps to BAT tank at house. Pump tank at house pumps to D-box. Alarm at house pump tank not working properly - automatically on when reset and alarm float is in down position. Ecopod alarm also triggers pump alarm even when pump alarm circuit is off. Electrician will need to fix wiring. (SC) 8/14/15 Wiring fixed - alarm now triggered by float in pump tank. Need BAT startup certification. (SC)

See Separate Sheet  
For As-Built

6/19/14 Contractor had trenches complete. Looks OK. Stated @ SHC. BAT unit and PT. Staked per revised BAT site plan. Increase size of Dbox to larger (7 hole) box instead of smaller 3 hole box. This will eliminate blowout of pump down. OK to continue. 6/23/14 SHC installed. Tanks set. All F.M. installed. Shavings seen @ crossing. Told contractor to send pics, could not see crossing below ex. water lines. Need BAT + Pump test of all systems prior to release. ROAD NAME (KWD)

PRE CONSTRUCTION:

5/21/14 on-site w/ contractors and builder. Everything stated per plan. OK to <sup>set</sup> pump tank for barn per plan. May need to move tank further down hill to make fall. Should be OK. Line from barn needs to be cleared. Need to be 12" below and under line crossing. Set BAT unit per stake out. Elevations shot in field. Run's stake to stake per plan. Install 3x6.5" as perched out in field. Trenches spec'd as show on permit call for map. (KWD)

INSTALLATION: 5/22/14 Line run from Barn to tank location. Could not make inspection, too busy w/ other work related projects. Will call contractor. Trip to be made after holiday break. (KWD)

5/28/14 Tank set for Barn. F.M. run up to Dbox. Need 6" baffle on west side of tank. 12" vertical separation made @ cross of well line and 4" sewer @ barn. Informed project manager on-site should have engineer show all proposed well lines on revised BAT site plan. OK to cover work completed so far. BAT location to change location. (KWD) 5/6/14 Pump set in tank @ barn. Inlet baffle changed to 6". (KWD)

FINAL INSPECTOR

DATE OF APPROVAL

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	3	7
NUMBER OF TRENCHES		3
TOTAL LENGTH		
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		90° bend
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	Ecopod E60 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	Front
BAFFLE FILTER	-
MANHOLE LOC	Front/Rear
6" PORT LOC	center
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	N/A
PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1250? GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	NO
BAFFLE FILTER	-
MANHOLE LOC	Front/Rear
6" PORT LOC	none
WATERTIGHT TEST	-
SLOTTED	no
DATE ON LID	-

1" = 60'

2684 Daisy Road

Ex Well  
(No Tag)

- 2" F.M.

2" F.M.  
From Barn

Sleeve

2" F.M.  
to BAT @ house  
(Follows Drive)

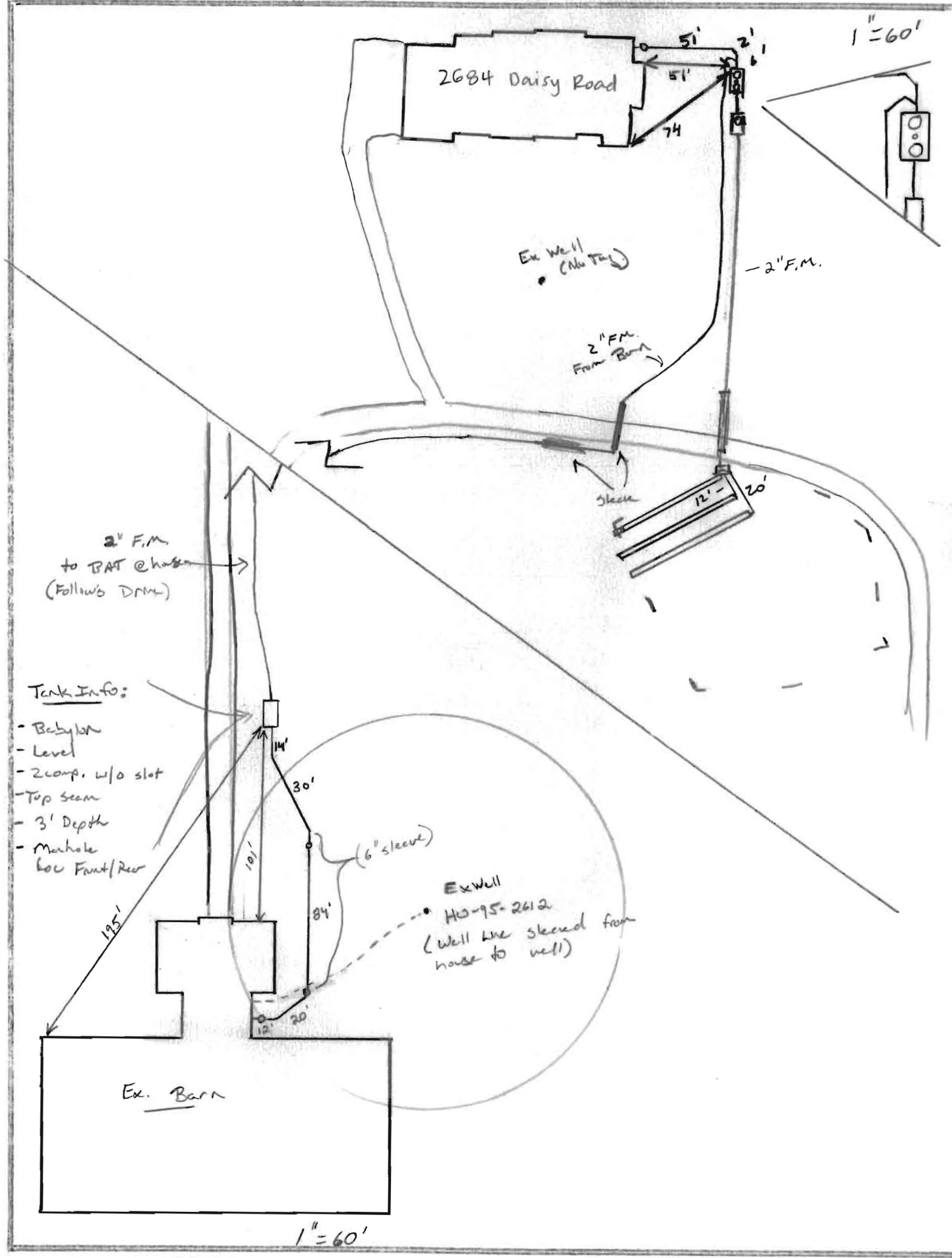
Tank Info:

- Babylon
- Level
- 2 comp. w/o slot
- Top beam
- 3' Depth
- Manhole
- low Front/Rear

Ex Well  
H0-95-2612  
(Well line skewed from  
house to well)

Ex. Barn

1" = 60'



Dr. Peter Beilenson, M.D., M.P.H., Health Officer

## DEMOLITION REQUEST FORM

(Please fill in all blanks)

### Information of Property to be Demolished:

KATHY + KEVIN VASQUEZ  
Current Owner's Name

2684 FAIR ROAD, WOODBINE 21794  
Property Address

Subdivision (if applicable)

Lot #

All Prior Owners' Names (if requested or known)

0013  
Tax Map

0110  
Parcel #

04-326164  
Tax ID #

DEMO OLD HOUSE  
Purpose/Reason for Demolition

RE-BUILD NEW HOUSE  
Future plans of property after demo (i.e. subdivision, parking lot, re-build new house, etc...)

If a subdivision, SDP# \_\_\_\_\_ Has the structure(s) been deemed unsafe by DILP ☐ YES ☒ NO

### UTILITY RECORDS:

Property currently connected to public water ☐ YES ☒ NO

Property currently connected to public sewer ☐ YES ☒ NO

Does the property currently have any wells and/or septic systems ☒ YES ☐ NO  
→ Explain:

Ex well  
↓  
30' deep  
45pm

\*Note: Any wells and/or septic systems that are to remain may require an approved percolation certification plan under *Howard County Code Sec. 3.805*

\*Note: Any septic systems that are to be abandoned must be done by a septic contractor with documentation of the process.

\*Note: All abandoned wells are to be sealed by a well driller licensed by the Maryland State Board of Well Drillers *COMAR Sec 26.04.04.11 Abandonment Standards D (3)*

### COMMENTS:

THE OWNER IS KEEPING THE EXISTING WELL.  
- ASK him if he plans to keep well will need. H<sub>2</sub>O tests

Upgrade. Demo prior to removal.

ROBERT A. SCRANTON  
Applicant's Name (please print)

410-442-2211  
Applicant's Phone #

rscranton@catonsvillehomes.com  
Applicant's Email

410-442-2215  
Applicant's Fax #

[Signature]  
Applicant's Signature

11/5/13  
Date



## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Monday, December 15, 2014 9:47 AM  
**To:** 'ron@vanmar.com'  
**Cc:** 'Rob Scranton'  
**Subject:** RE: Vazquez Property - Underground Propane tanks

I've received the building permit for the propane tanks. It looks like Permits Dept. does not have the version of the site plan sent to me. Please submit the version you sent to me as a revision to the building permit to be scanned into the system for me to see. Let me know when this is done and I can go in and see the revised site plan. At that time, I can approve the permit. Thanks

Jeff

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**From:** Williams, Jeffrey  
**Sent:** Tuesday, December 09, 2014 2:38 PM  
**To:** 'ron@vanmar.com'  
**Cc:** Rob Scranton  
**Subject:** RE: Vazquez Property - Underground Propane tanks

These locations look fine to me. I'll keep an eye out for the tank permits and we should be able to approve them with no problem assuming that DILP has these same locations when the BP was submitted. Thanks

Jeff

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**From:** [ron@vanmar.com](mailto:ron@vanmar.com) [<mailto:ron@vanmar.com>]  
**Sent:** Monday, December 08, 2014 3:32 PM  
**To:** Williams, Jeffrey  
**Cc:** Rob Scranton  
**Subject:** Vazquez Property - Underground Propane tanks

Jeff:

Attached is a plan showing the two proposed underground propane tanks. The tanks will be 1,990 gallons and 500 gallon tanks. Both tanks have been located outside the 100' well radius and more than 5' from the septic tanks. Please note tanks have been drawn to scale.

Please contact me with any questions you may have.

Thank you.

Ronald E. Thompson, PE  
VANMAR ASSOCIATES  
310 South Main Street  
PO Box 328  
Mount Airy, Maryland 21771  
301-829-2890 (O)  
443-421-2164 (C)  
301-831-5603 (F)



## Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

000087

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

**OPERATION AND MAINTENANCE AGREEMENT  
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM  
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 12<sup>th</sup> day of MAY, among KEVIN + KATHY VASQUEZ, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 2684 DAISSY ROAD, WOODBINE, MD, in the \_\_\_ Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber \_\_\_ Folio \_\_\_.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as

long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

*Kerín Vasquez* 5/12/14  
Owner Date  
Kerín Vasquez

*Kathy Vasquez* 5/12/14  
Owner Date  
Kathy Vasquez

*William J. Davis* 5/21/14  
Howard County Health Department

LR - Agreement  
Recording Fee 20.00  
Grantor/Grantee Name:  
Howard County  
Reference/Control #:  
87  
LR - Agreement  
Surcharge 40.00  
=====  
SubTotal: 60.00  
=====  
Total: 80.00  
05/21/2014 08:45  
CC13-NN  
#2814434 CC0503 -  
Howard Co  
Columbia/CC05.03.01 -  
Register 01

MEMBER N. C. B. V. A.

MEMBER P. C. B. V. A.



PHONE:  
410-848-0393  
FAX:  
410-848-3551

## Burial Vaults - Septic Tanks

925 WAKEFIELD VALLEY ROAD  
NEW WINDSOR, MD 21776

### Five Year Initial Service Policy On Site Wastewater Treatment System

Brand Name: <u>Ecopod</u>	Model Number: <u>Ecopod 60</u>
Purchase Date: <u>6/20/14</u>	Serial Number: <u>E60N02137CA</u>

#### INITIAL POLICY:

A five (5) year service policy shall be furnished to the user by the Installer.

This policy is included in the original purchase price and shall provide the following:

1. An inspection/service call every six months which includes inspections, adjustment and servicing of the mechanical and electrical component parts as necessary to ensure proper function for the first year. And once a year thereafter.
2. An effluent quality inspection every six months consisting of a visual check for color, turbidity, scum overflow, and an examination for odors for the first year. And then once a year thereafter.
3. A sample shall be pulled from the aeration tank once a year as described in the "Solids Removal" Section to determine if there is an excess of solids in the treatment plant. If the test results determine if there is an excess of solids in the treatment plant. If the test results determine a need for solids removal, the user will bear the cost and responsibility for doing so.
4. If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the conditions and the estimated date of correction.

Violations of Warranty including shutting off the electric current to the system for more than 24 hours, disconnecting the alarm system restricting ventilation to the aerator, overloading the system above its rated capacity, or introducing excessive amounts of harmful matter into the system, or any other form of unusual abuse.

**THIS POLICY DOES NOT INCLUDE PUMPING  
SLUDGE FROM UNIT IF NECESSARY**

#### PERMITTING AUTHORITY:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### INSTALLATION LOCATION:

2684 Daisy Rd  
Lisbon, MD 21777  
\_\_\_\_\_  
\_\_\_\_\_

#### INSTALLER:

WTC Contractor  
3033 Salem Bottom Rd.  
Westminster, MD 21158  
\_\_\_\_\_

#### SYSTEM OWNER:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### DISTRIBUTOR:

Babylon Vault Company Inc.  
925 Wakefield Valley Rd.  
New Windsor, MD 21776  
\_\_\_\_\_

#### SERVICE COMPANY:

Babylon Vault Co. Inc.  
\_\_\_\_\_  
Service Operators License Number: \_\_\_\_\_

I agree to abide by the service policy as stated above: \_\_\_\_\_



# e3 Environmental LLC

302-725-0706 www.e3onsite.com

## ECOPOD-N Completion Statement

### Installation Information

Owners Name	Kevin & Kathy Vasquez	# of Bedrooms / GPD	600
Street	2684 Daisy Rd.		
City	Lisbon	Repair	<input type="checkbox"/>
State	MD	New Construction	<input checked="" type="checkbox"/>
Zip	21797		

### Installation Company

Company	WTC Contractor	Installed Date	6/29/2014
Certified Installer		Startup Date	8/13/2015
Street	3033 Salem Bottom Rd.		
City	Westminster		
State	MD		
Zip	21158		

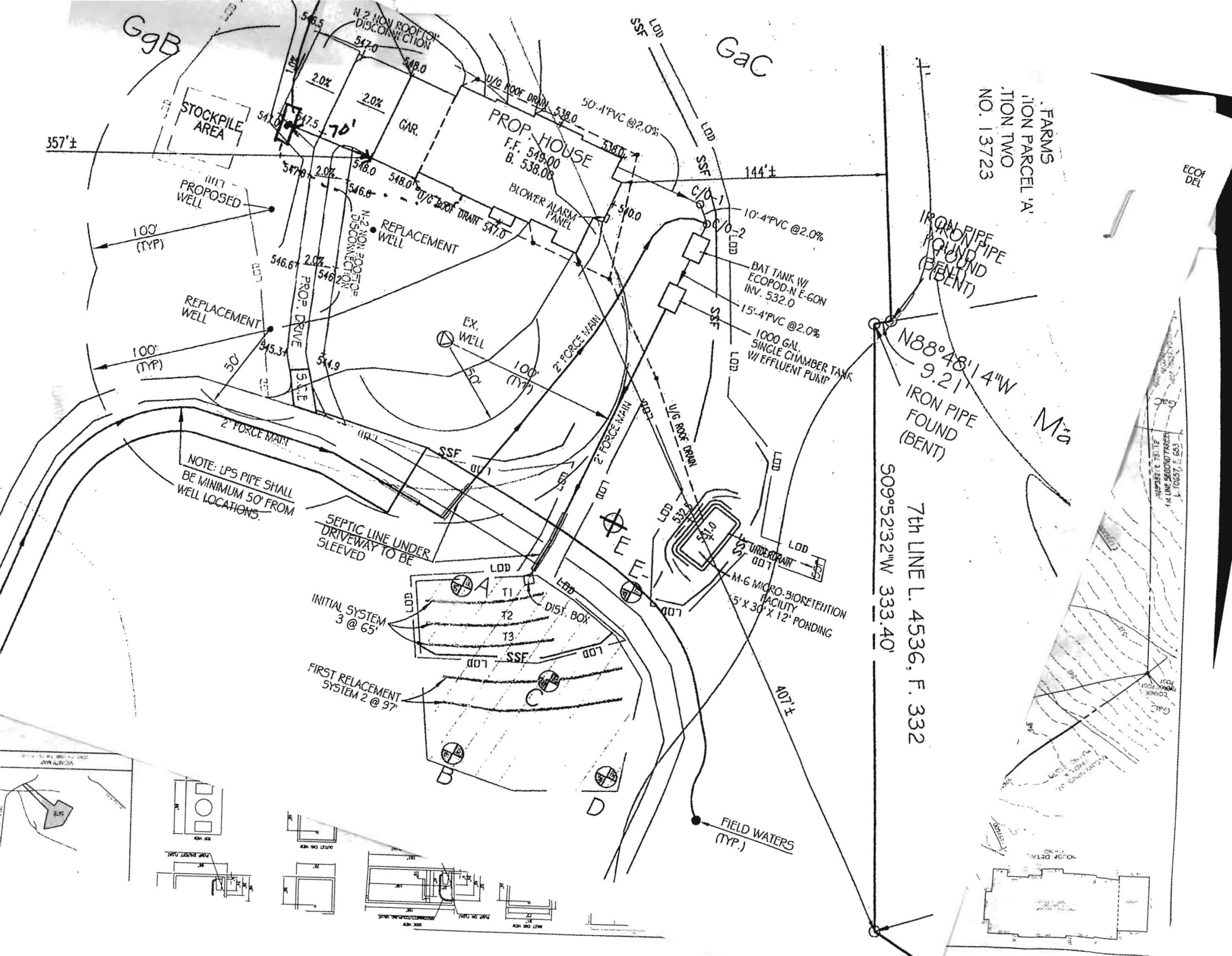
### ECOPOD-N

Model #	Serial #
E50 <input type="checkbox"/>	
E60 <input checked="" type="checkbox"/>	EC60N D2137CA
E75 <input type="checkbox"/>	
E100 <input type="checkbox"/>	
E150 <input type="checkbox"/>	

Blower Voltage	Good
Blower Running Amps	Good
Inches of water over media with blower turned off	2 inches
Vent Installed	yes
Tanks and Risers Water tight	yes
Alarm Functional	yes

I hereby certify that the ECOPOD-N wastewater treatment system has been installed and started up in accordance with the construction permit and is in compliance with the manufacturers recommendations

Company	Babylon Vault Company	Date	8/13/15
Signature	Steven R. Koontz		
Printed Name	Steven Koontz		



## **Wolf, Kevin**

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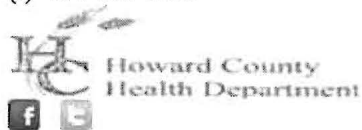
**From:** Wolf, Kevin  
**Sent:** Tuesday, August 25, 2015 9:04 AM  
**To:** pwalter@catonsvillehomes.com  
**Cc:** rscranton@catonsvillehomes.com; 'mdesrosiers@catonsvillehomes.com'; Martin, Sharhonda  
**Subject:** 2684 Daisy Road

Pam,

I have this property file in hand for review for the ICOP. However, I seem to be missing the start-up certification letter from the BAT representative/manufacture. Please forward a copy of this report so I can process your ICOP letter.

Thanks,

Kevin M. Wolf, LEHS  
Groundwater Mgmt. Sec. Supervisor  
Well & Septic Program  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045  
(o) 410-313-2645  
(f) 410-313-2648



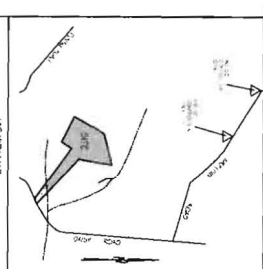
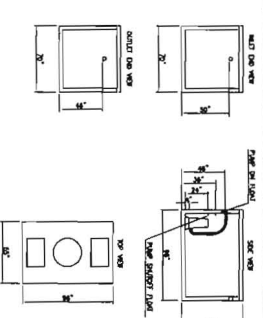
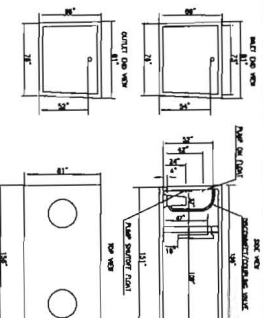
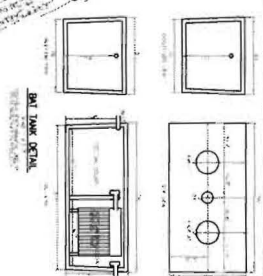
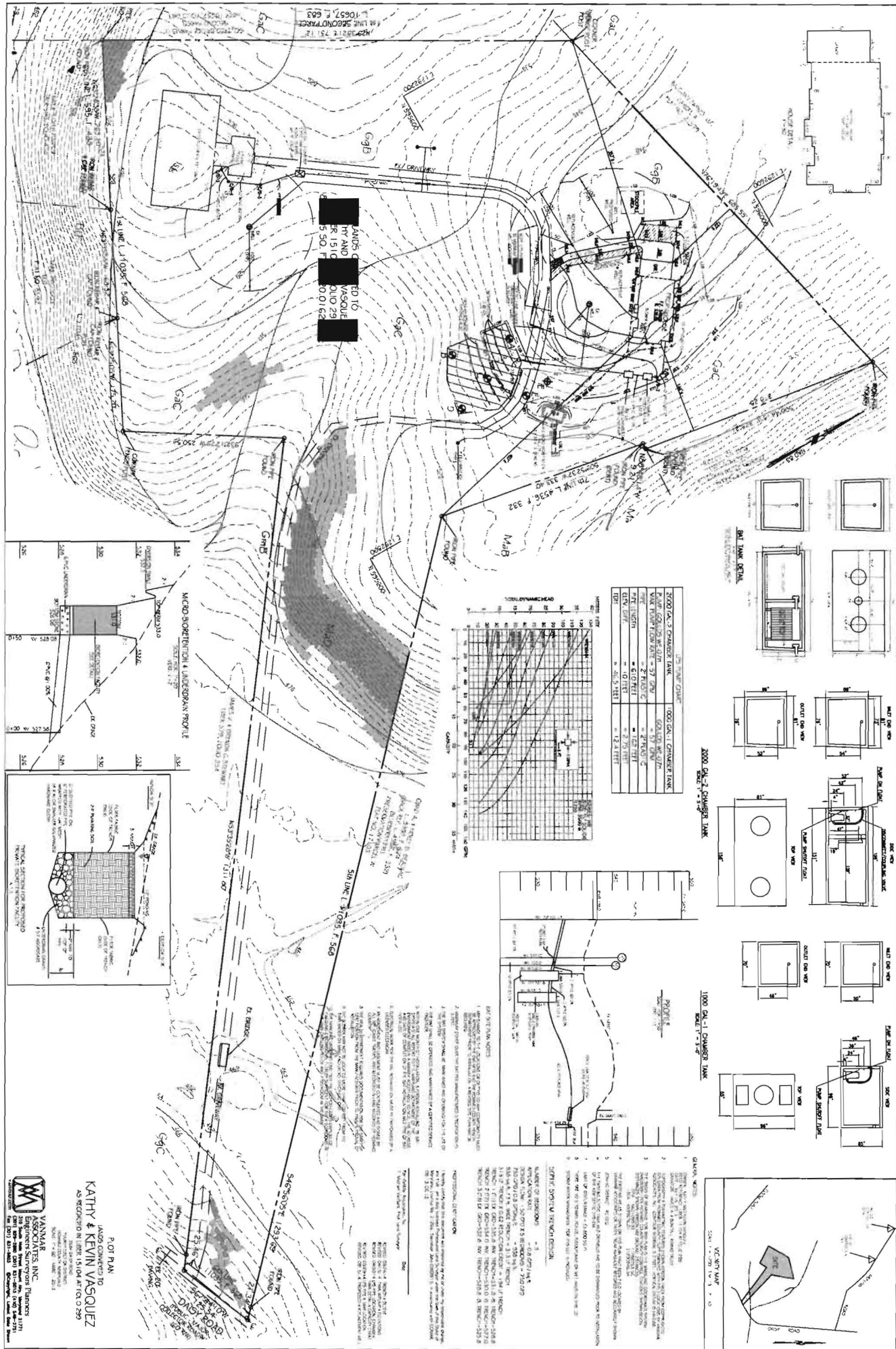
[kwolf@howardcountymd.gov](mailto:kwolf@howardcountymd.gov)

### **CONFIDENTIALITY NOTICE**

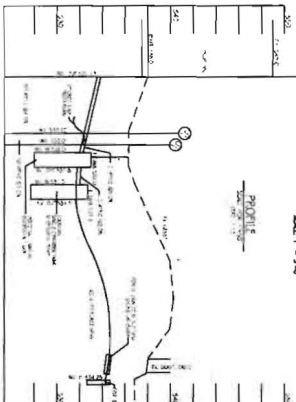
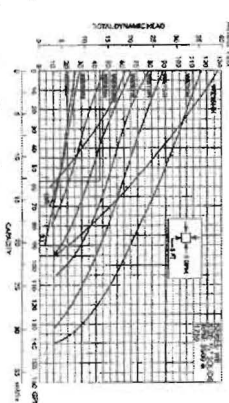
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2000 DL-2 CHAMBER TANK	1000 DL-1 CHAMBER TANK
WALL THICKNESS = 27 INCH	WALL THICKNESS = 27 INCH
WALL HEIGHT = 27 INCH	WALL HEIGHT = 27 INCH
WALL WEIGHT = 27 INCH	WALL WEIGHT = 27 INCH
WALL AREA = 27 INCH	WALL AREA = 27 INCH
WALL PERIMETER = 27 INCH	WALL PERIMETER = 27 INCH
WALL VOLUME = 27 INCH	WALL VOLUME = 27 INCH



NOTES:

1. THE CHAMBER TANKS ARE TO BE CONSTRUCTED OF 27 INCH THICK WALLS.
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10. THE CHAMBER TANKS ARE TO BE CONSTRUCTED OF 27 INCH THICK WALLS.

PLOT PLAN

JANOS GARDEN

KATHY & KEVIN VASQUEZ

AS RECORDED IN DEED 1510 AT D.C. 299

YANMAR ASSOCIATES, INC.

Engineers/Surveyors/Planners

1000 N. 10th St., Suite 100, Phoenix, AZ 85006

Phone: (602) 944-1000

Fax: (602) 944-1001

Website: www.yanmar-az.com

## Williams, Jeffrey

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**From:** Williams, Jeffrey  
**Sent:** Wednesday, April 16, 2014 2:45 PM  
**To:** 'mel@vanmar.com'  
**Cc:** Rob Scranton; dkv@vanmar.com; tmv@vanmar.com  
**Subject:** RE: 2684 Daisy BAT plan

The diagram looks good. We will also need the plan to show the pump curve and related info: the design head with calculations, the dose volume, flow rate, pump model chosen. We will also need to see the pump tank cross section with detail of pump float elevations for dosing and emergency storage. Also, since you are proposing a two compartment tank with pump in the second chamber, the middle wall may not have a center slot, it must have a center pipe opening near the top of the tank with tees that extend from near the top of the tank to 16" below the invert. This detail must be shown on the tank cross section. Thanks.

---

**From:** mel@vanmar.com [mailto:mel@vanmar.com]  
**Sent:** Tuesday, April 15, 2014 10:57 AM  
**To:** Williams, Jeffrey  
**Cc:** Rob Scranton; dkv@vanmar.com; tmv@vanmar.com  
**Subject:** 2684 Daisy BAT plan

Hi Jeff,

Please find attached a revised Plot Plan showing the most recent requested revisions.

Thanks,  
Melanie

*Melanie L. Repp, P.E.  
VanMar Associates, Inc  
(410) 549-2751  
fax (301) 831-5603*

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Thursday, April 24, 2014 11:50 AM  
**To:** 'mel@vanmar.com'  
**Cc:** Rob Scranton  
**Subject:** RE: 2684 Daisy BAT plan

The two comp tank can't have just a slot at the top, it needs a solid center wall with a hole near the top and piping installed with tees extending from near the top of the tank down to 16" from the bottom. Specify that the pump will sit in the second compartment and show the float elevations and show the dose as well as the volume of emergency storage.

You'll need to show the calculations for design head corresponding with the pump curve and pump model shown. This will include the elevation difference as well as friction loss in the force main. Thanks.

---

**From:** mel@vanmar.com [mailto:mel@vanmar.com]  
**Sent:** Wednesday, April 23, 2014 10:57 AM  
**To:** Williams, Jeffrey  
**Cc:** Rob Scranton  
**Subject:** FW: 2684 Daisy BAT plan

Hi Jeff,

Regarding your email last week requesting additional information, I have received the attached documentation from the distributor. Can you please look these over and confirm that they are what you are looking for?

Thanks!  
Melanie

*Melanie L. Repp, P.E.  
VanMar Associates, Inc  
(410) 549-2751  
fax (301)831-5603*

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Friday, April 04, 2014 3:30 PM  
**To:** tmv@vanmar.com  
**Subject:** 2684 Daisy BAT plan

The BAT revision looks good except for the following things:

- We need to see the details of the barn connection to the system on the plan
- The plan should indicate the ground elevation, trench invert elevation, and trench bottom elevation for each trench.

Thanks.

Jeff Williams  
Program Supervisor, Well & Septic Program  
Bureau of Environmental Health  
Howard County Health Dept.  
410-313-4261  
[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)

### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.



## Williams, Jeffrey

---

**From:** ron@vanmar.com  
**Sent:** Monday, December 08, 2014 3:32 PM  
**To:** Williams, Jeffrey  
**Cc:** Rob Scranton  
**Subject:** Vazquez Property - Underground Propane tanks  
**Attachments:** Temp04334.PDF

Jeff:

Attached is a plan showing the two proposed underground propane tanks. The tanks will be 1,990 gallons and 500 gallon tanks. Both tanks have been located outside the 100' well radius and more than 5' from the septic tanks. Please note tanks have been drawn to scale.

Please contact me with any questions you may have.

Thank you.

Ronald E. Thompson, PE  
VANMAR ASSOCIATES  
310 South Main Street  
PO Box 328  
Mount Airy, Maryland 21771  
301-829-2890 (O)  
443-421-2164 (C)  
301-831-5603 (F)

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Friday, April 25, 2014 2:58 PM  
**To:** 'ron@vanmar.com'  
**Cc:** 'mel@vanmar.com'  
**Subject:** RE: Vazquez Site Plan

Something else regarding the BAT plan: please make sure to show the force main from the barn to come no closer than 50' to the house well locations. I think the most sensible path is to go under them and cross the driveway near the BAT unit and run the line up next to the BAT unit to tie in just above. Thanks  
Jeff

---

**From:** ron@vanmar.com [mailto:ron@vanmar.com]  
**Sent:** Thursday, April 24, 2014 5:22 PM  
**To:** Williams, Jeffrey  
**Subject:** Vazquez Site Plan

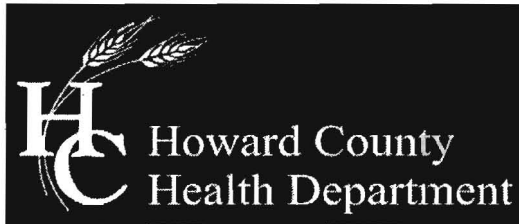
Jeff:

I would like to speak with you regarding the various emails and requirements for the completion of the septic system design. Specifically, I would like to understand the requirements for the septic system design and requirements for the building permit. Would it be possible to separate the building permit requirements from the septic system design (including LPS) in order to allow the house construction to start while we finalize the septic design? We could add a note to the plan specifying the Plot Plan could not be used for an onsite disposal construction permit. We could submit a septic design plan for approval to would be used by a contractor to install the onsite disposal system.

Thank you. If possible please call me tomorrow on my cell phone as I am driving to a college visit for my daughter.

Thank you.

Ronald E. Thompson, PE  
VANMAR ASSOCIATES  
310 South Main Street, PO Box 328  
Mount Airy, MD 21771  
301-829-2890 (O)  
443-421-2164 (C)  
301-831-5603 (F)



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
www.hchealth.org  
Facebook: www.facebook.com/hocohealth  
Twitter: HowardCoHealthDep

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

## **MEMORANDUM**

Sent via email to [rscranton@catonsvillehomes.com](mailto:rscranton@catonsvillehomes.com) on 11/26/2013

**TO:** Catonsville Homes  
Attn: Robert Scranton

**FROM:** Kevin M. Wolf, R.S., R.E.H.S. *KMW*  
HCHD, Well & Septic Program  
Groundwater Mgmt. Sec.

**DATE:** November 26, 2013

**RE:** **2684 Daisy Road**  
Woodbine, MD 21797  
M. 13, G.12 P. 110- 20.000AC  
(Demolition of existing structure, rebuild new SFD)

**This is to advise that the Howard County Health Department recommends issuance of the demolition permit for the above referenced property.**

The existing pit well that was utilized for the above referenced property has been property located and disconnected from the dwelling. On 11/25/2013 Fogle's Well Drilling successfully upgraded the well by removing the pit and extending the casing above grade. Inspection of this task was made by our office and approved on 11/26/2013.

The existing septic system on this property was pumped out and abandoned by Fogle's Septic on 10/22/2013. The existing septic tank and drywell was collapsed/crushed in and backfilled with clean fill. Documentation of this task was received by our office for record of completion.

Current utility records show this parcel does not have access to public utilities. If you plan to re-build on this parcel, you will need to reconnect the existing upgraded well by installing a pitless adapter and plumbing to the new dwelling. The septic system will be installed in the approved septic reserve area per Howard County specifications and regulations at time of building permit approval.

**If any wells or septic systems are found during site work, you must notify this office immediately!**

KMW  
Cc: File

## Williams, Jeffrey

---

**From:** Williams, Jeffrey  
**Sent:** Thursday, April 17, 2014 1:15 PM  
**To:** mel@vanmar.com  
**Cc:** tmv@vanmar.com  
**Subject:** RE: 2684 Daisy BAT plan

Also, can you verify with the ecopod people that they are ok with the model chosen to serve the flows from the 5 bedroom house as well as the laundry/bathroom in the barn and put a note on the plan stating that the manufacturer has declared the model chosen to be appropriate for the property. Thanks.

---

**From:** Williams, Jeffrey  
**Sent:** Wednesday, April 16, 2014 2:45 PM  
**To:** 'mel@vanmar.com'  
**Cc:** Rob Scranton; dkv@vanmar.com; tmv@vanmar.com  
**Subject:** RE: 2684 Daisy BAT plan

The diagram looks good. We will also need the plan to show the pump curve and related info: the design head with calculations, the dose volume, flow rate, pump model chosen. We will also need to see the pump tank cross section with detail of pump float elevations for dosing and emergency storage. Also, since you are proposing a two compartment tank with pump in the second chamber, the middle wall may not have a center slot, it must have a center pipe opening near the top of the tank with tees that extend from near the top of the tank to 16" below the invert. This detail must be shown on the tank cross section. Thanks.

---

**From:** mel@vanmar.com [mailto:mel@vanmar.com]  
**Sent:** Tuesday, April 15, 2014 10:57 AM  
**To:** Williams, Jeffrey  
**Cc:** Rob Scranton; dkv@vanmar.com; tmv@vanmar.com  
**Subject:** 2684 Daisy BAT plan

Hi Jeff,

Please find attached a revised Plot Plan showing the most recent requested revisions.

Thanks,  
Melanie

*Melanie L. Repp, P.E.  
VanMar Associates, Inc  
(410) 549-2751  
fax (301)831-5603*



# Fogle's Septic Clean Inc.

Fogle's Portable Toilets • Fogle's Well Drilling LLC • Fogle's Excavating, LLC



October 22, 2013

Howard Co Dept of Environmental Health  
7178 Columbia Gateway Dr  
Columbia, Md 21046

To Whom it may concern,

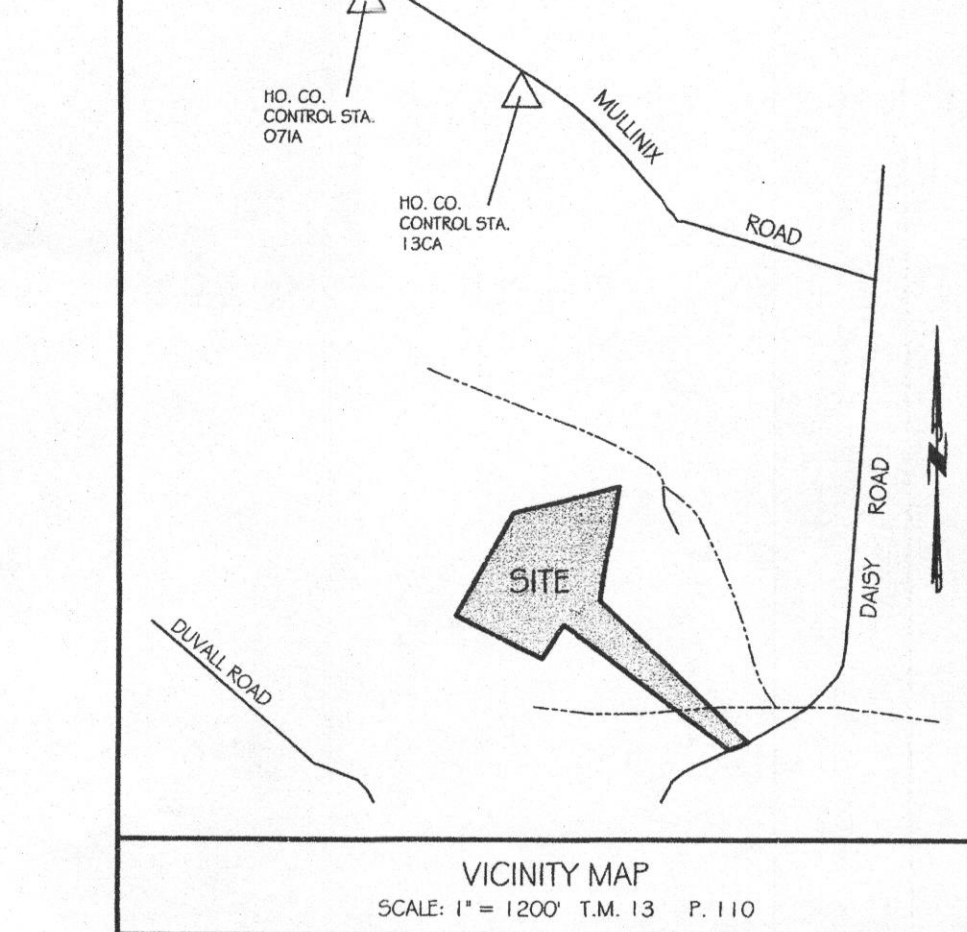
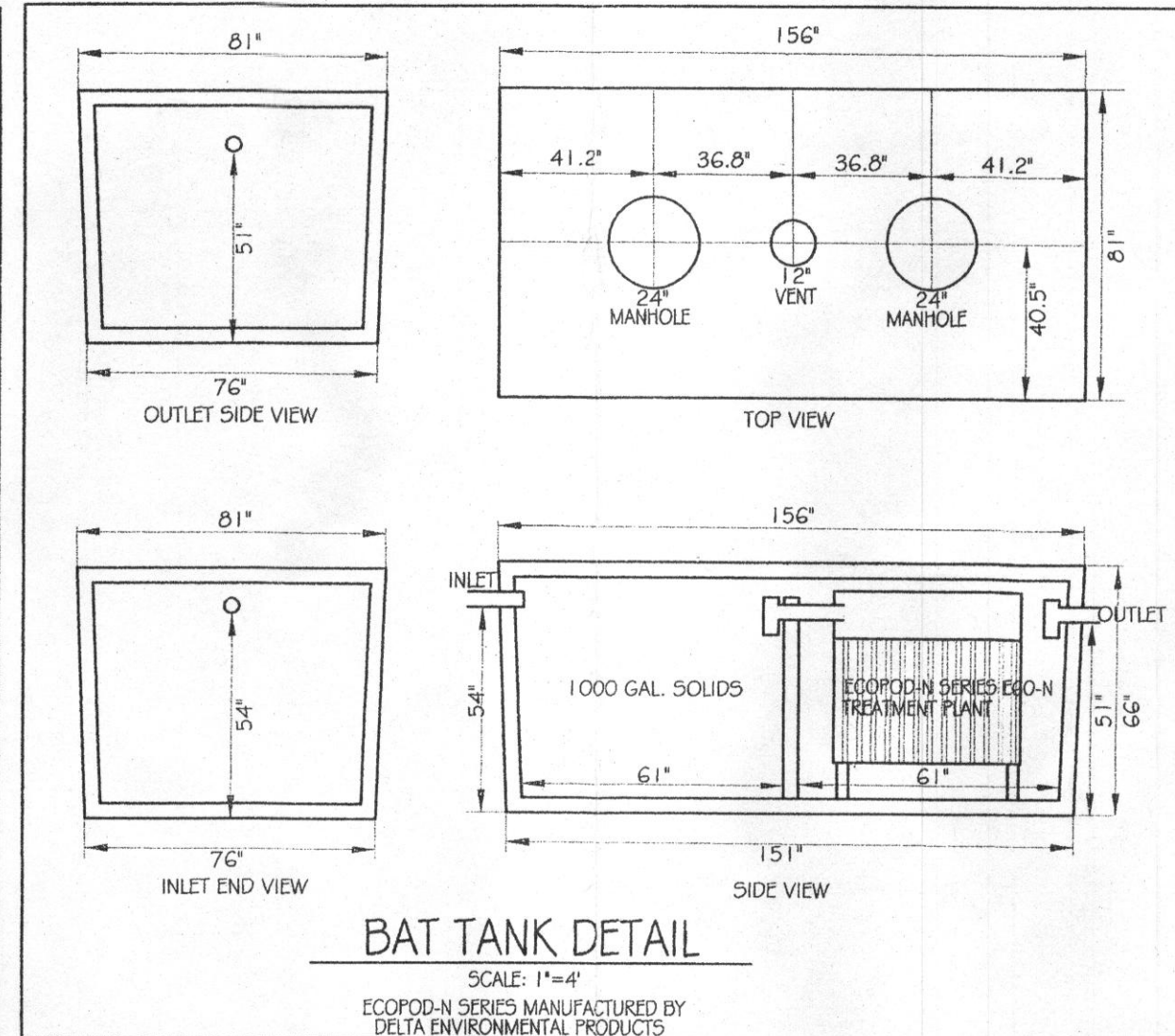
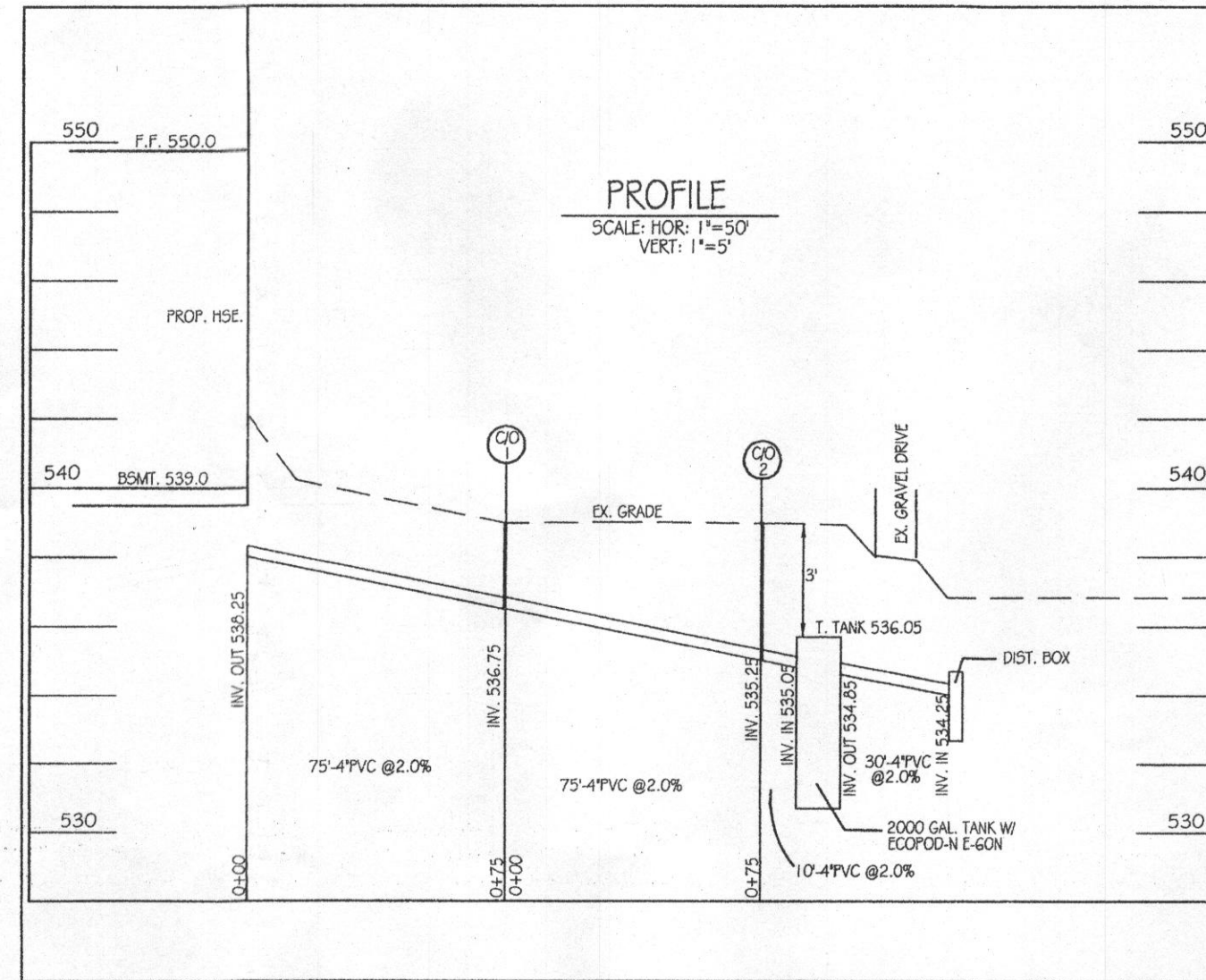
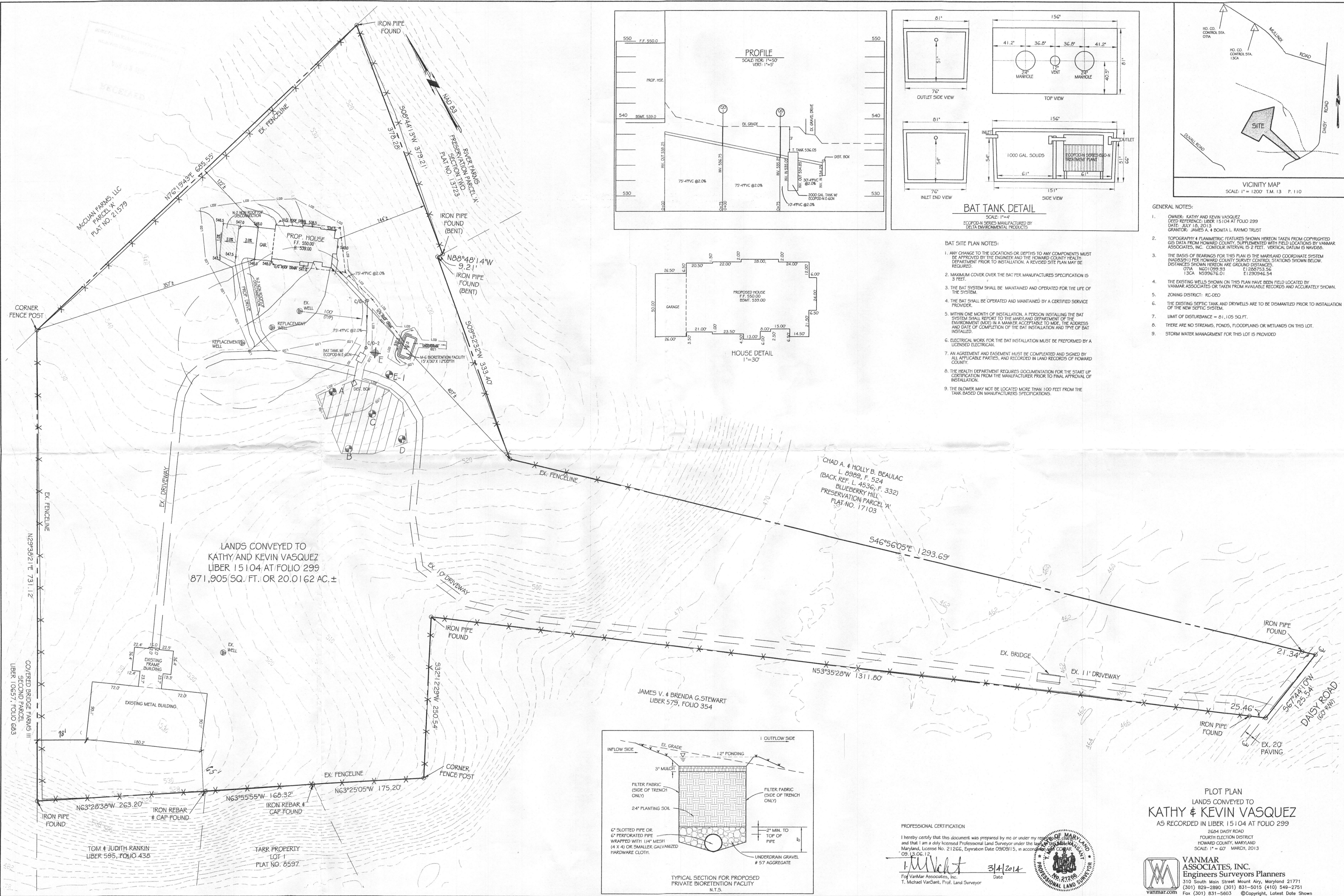
On October 22<sup>nd</sup> 2013 Fogle's Septic Clean Inc, has abandoned the septic tank & drywell located at 2684 Daisy Rd for Catonsville Homes.  
If you have any questions please call me at the office 410-795-5670.

Sincerely,

A handwritten signature in cursive script that reads "Kurt Cassell". The signature is written in dark ink and is positioned above the printed name.

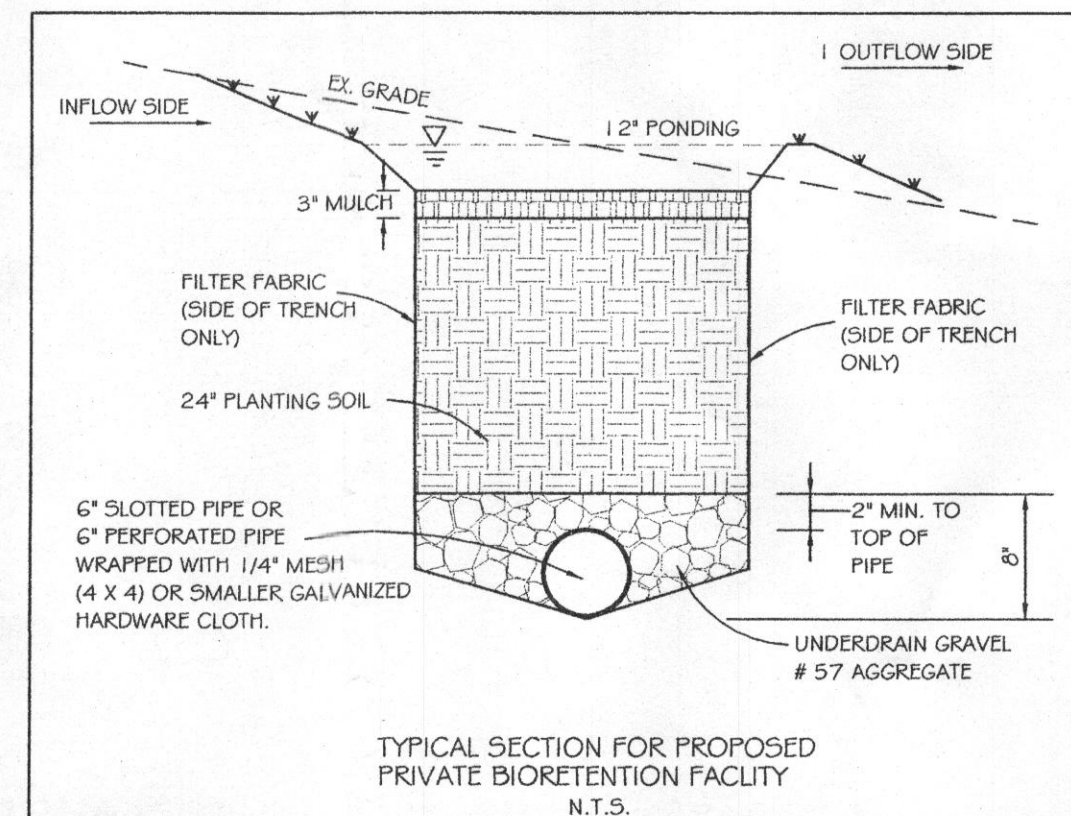
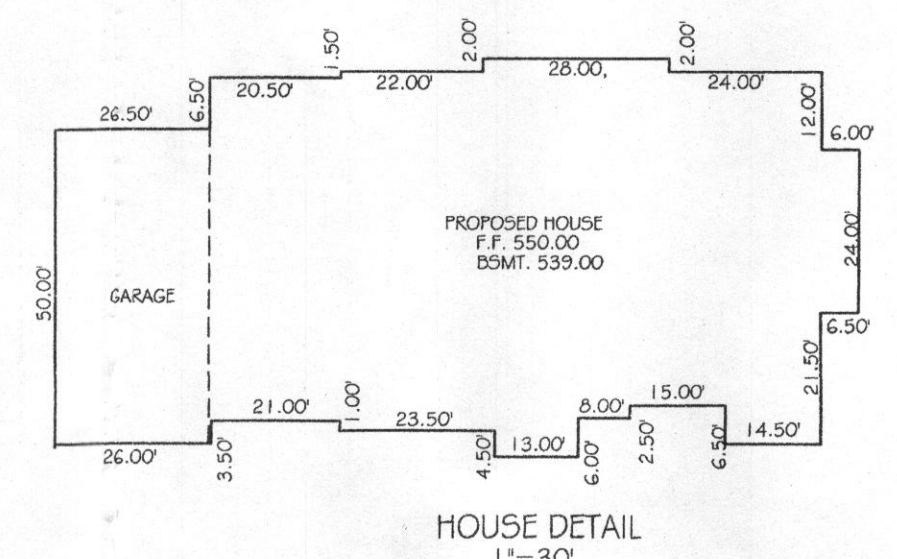
Kurt Cassell  
Fogle's Septic Clean, Inc.





BAT SITE PLAN NOTES:

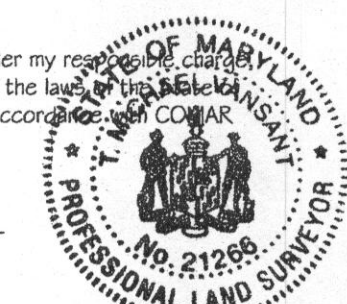
1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
2. MAXIMUM COVER OVER THE BAT PER MANUFACTURERS SPECIFICATION IS 3 FEET.
3. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
4. THE BAT SHALL BE OPERATED AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
5. WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE HOWARD COUNTY DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND TYPE OF BAT INSTALLED.
6. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
7. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.
8. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF INSTALLATION.
9. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURERS SPECIFICATIONS.



PROFESSIONAL CERTIFICATION

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Professional Land Surveyor under the laws of the State of Maryland, License No. 21266, Expiration Date 09/09/15, in accordance with COMAR 09.13.06.12.

*T. Michael VanCant* 3/14/2014  
For VanMar Associates, Inc. Date  
T. Michael VanCant, Prof. Land Surveyor



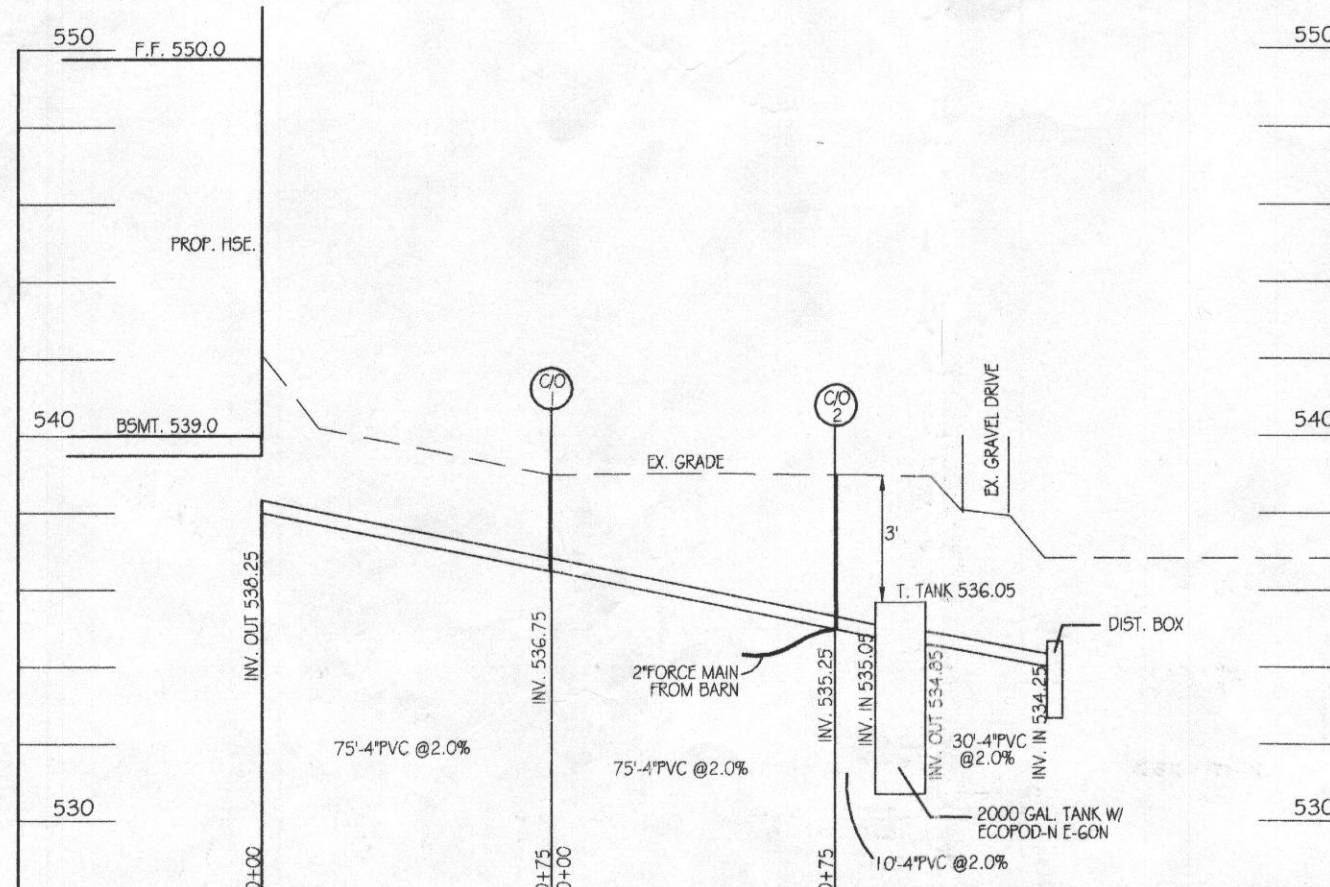
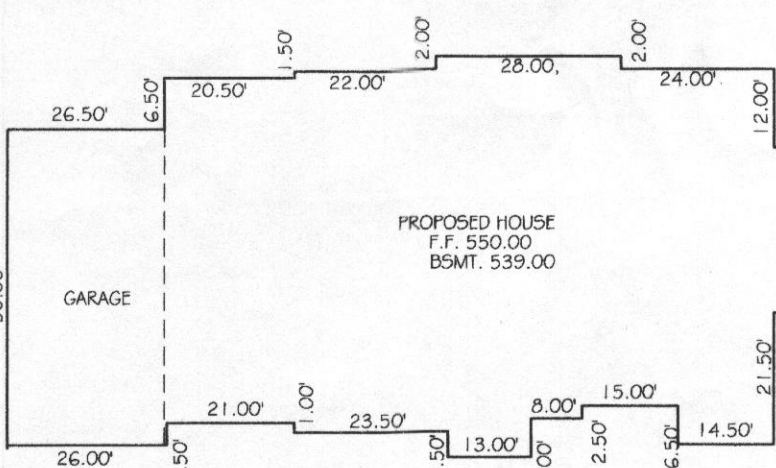
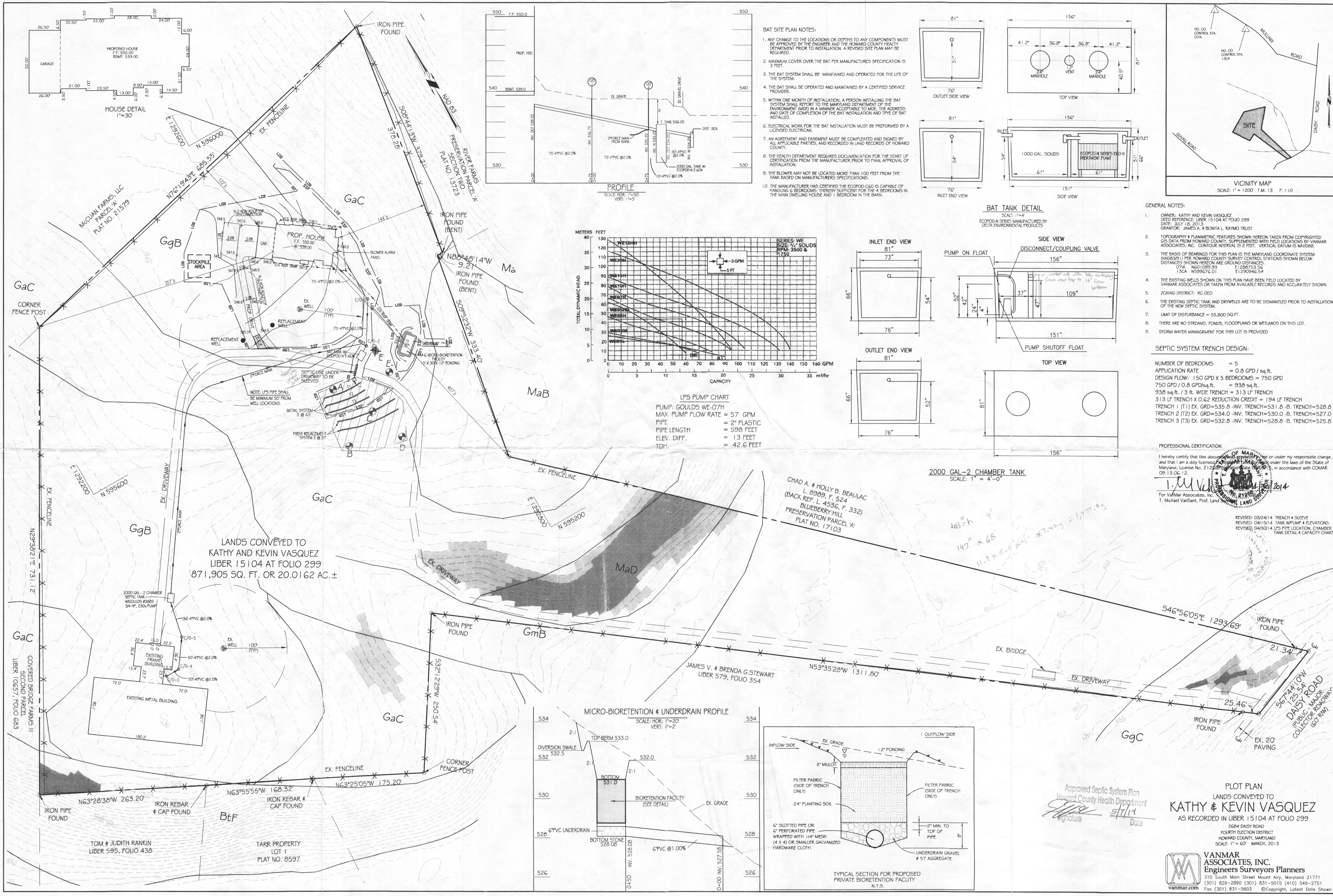
PLOT PLAN  
LANDS CONVEYED TO  
KATHY & KEVIN VASQUEZ  
AS RECORDED IN LIBER 15104 AT FOLIO 299

2604 DAIRY ROAD  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 60' MARCH, 2013

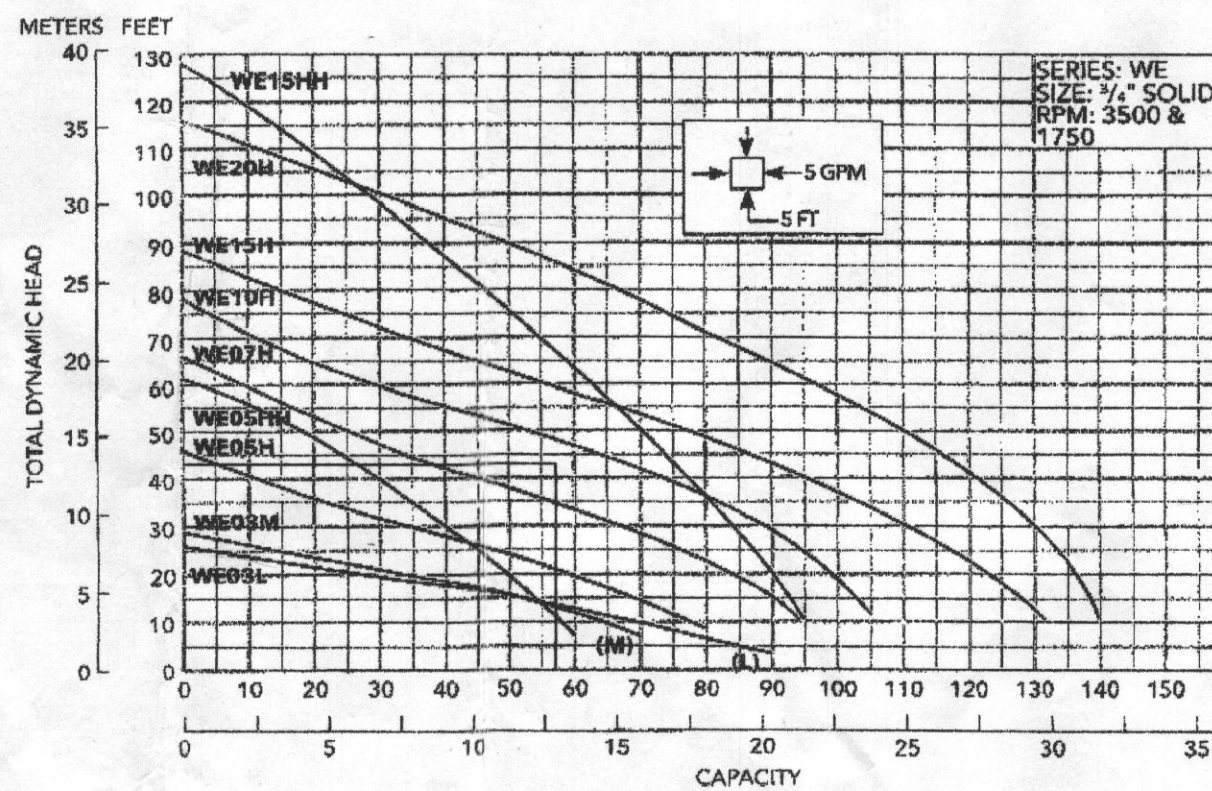
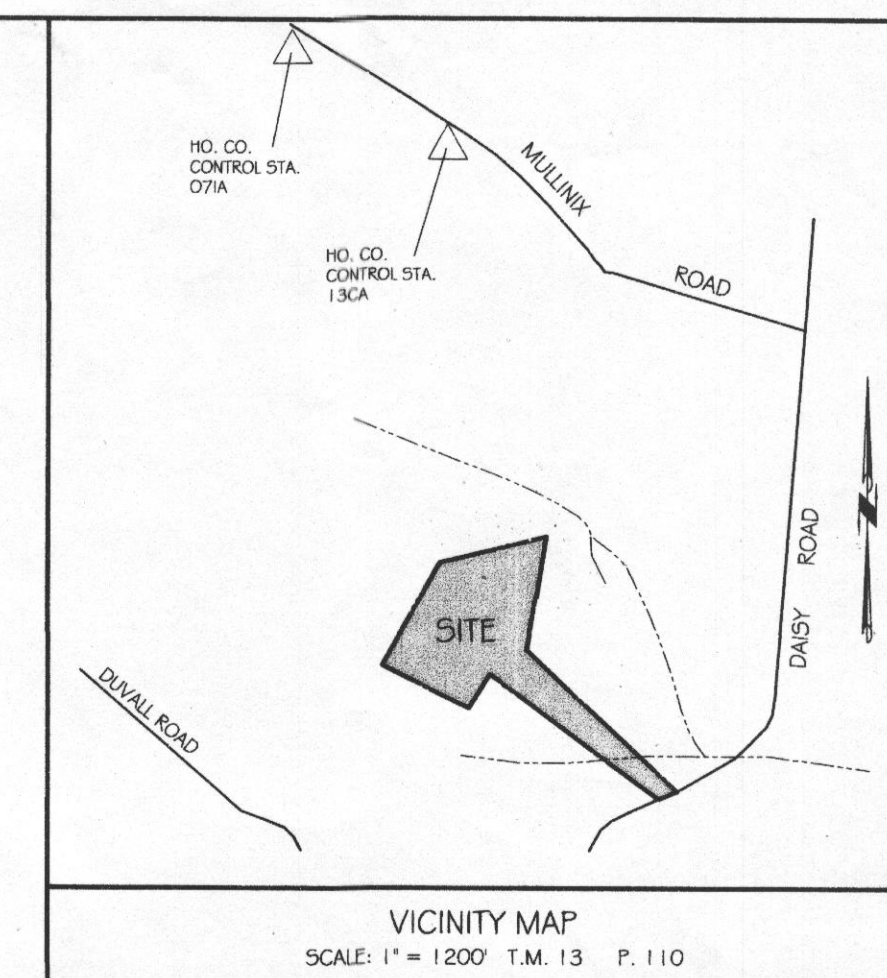
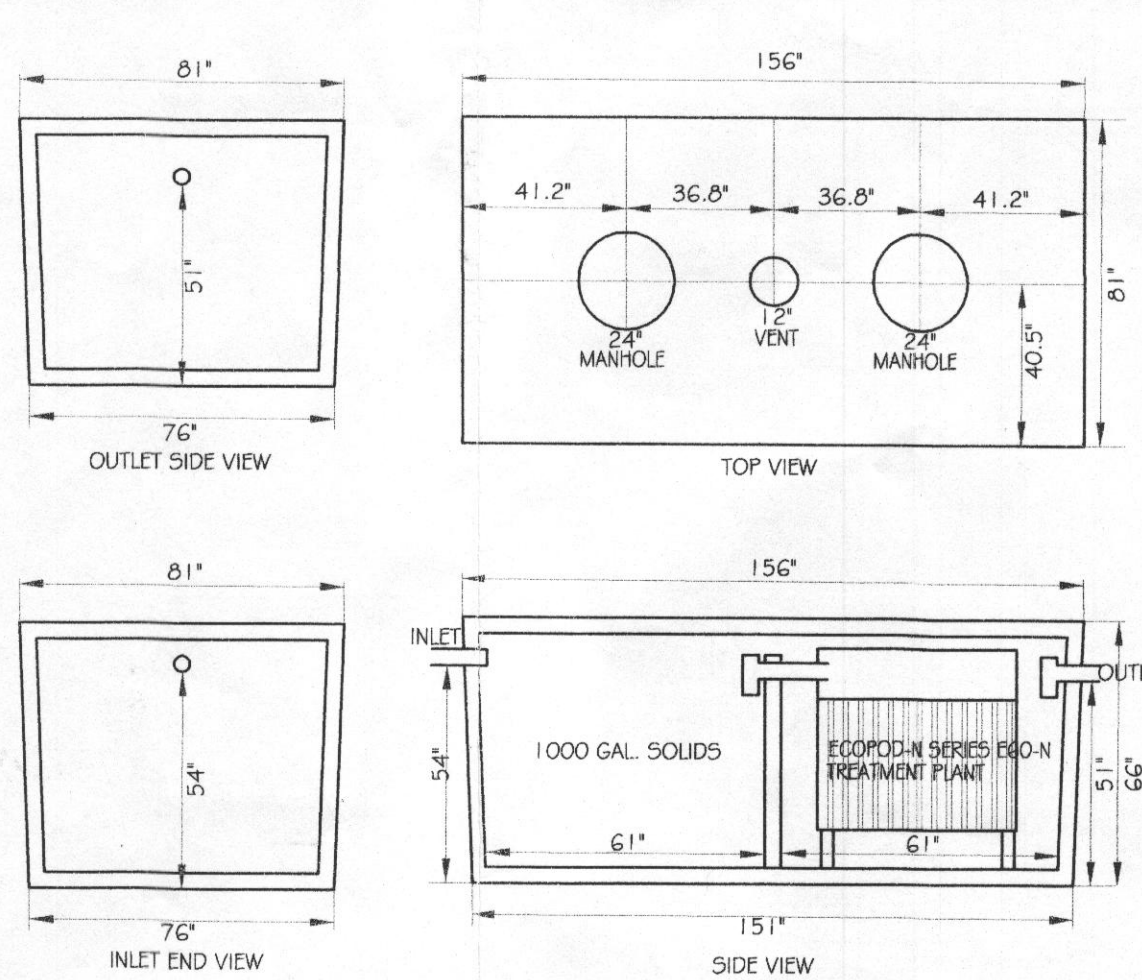


VANMAR ASSOCIATES, INC.  
Engineers Surveyors Planners  
210 South Main Street, Mount Airy, Maryland 21771  
(301) 829-2880 (301) 831-5015 (410) 549-2751  
Fax (301) 831-5603 ©Copyright, Latest Date Shown

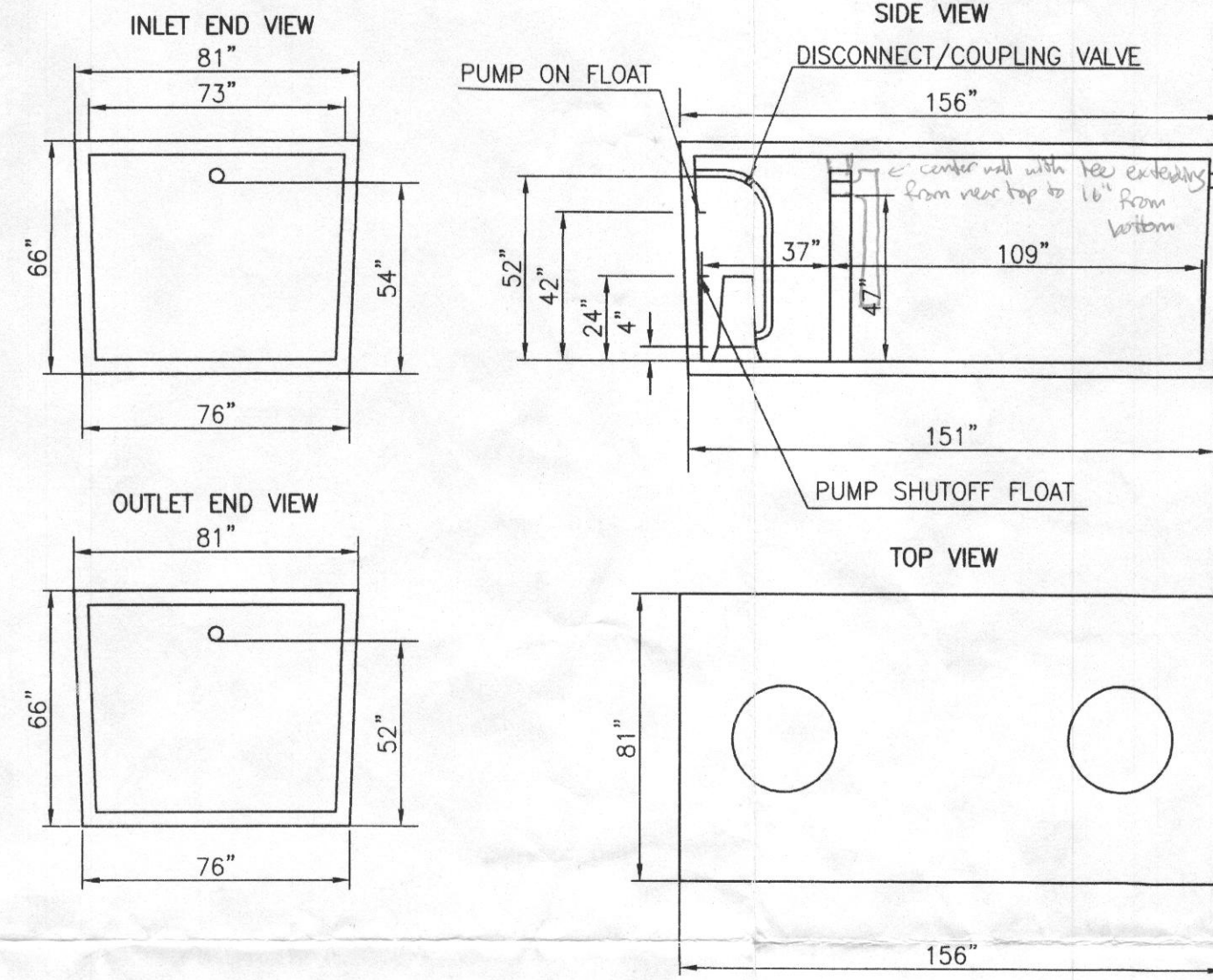




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  9. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURERS SPECIFICATIONS.
  10. THE MANUFACTURER HAS CERTIFIED THE ECOPOD-650 IS CAPABLE OF HANDLING 6 BEDROOMS; THEREBY SUFFICIENT FOR THE 4 BEDROOMS IN THE MAIN DWELLING HOUSE AND 1 BEDROOM IN THE BARN.



LPS PUMP CHART  
PUMP: GOULDS WE-07H  
MAX. PUMP FLOW RATE = 57 GPM  
PIPE = 2" PLASTIC  
PIPE LENGTH = 598 FEET  
ELEV. DIFF. = 13 FEET  
TDH = 42.6 FEET



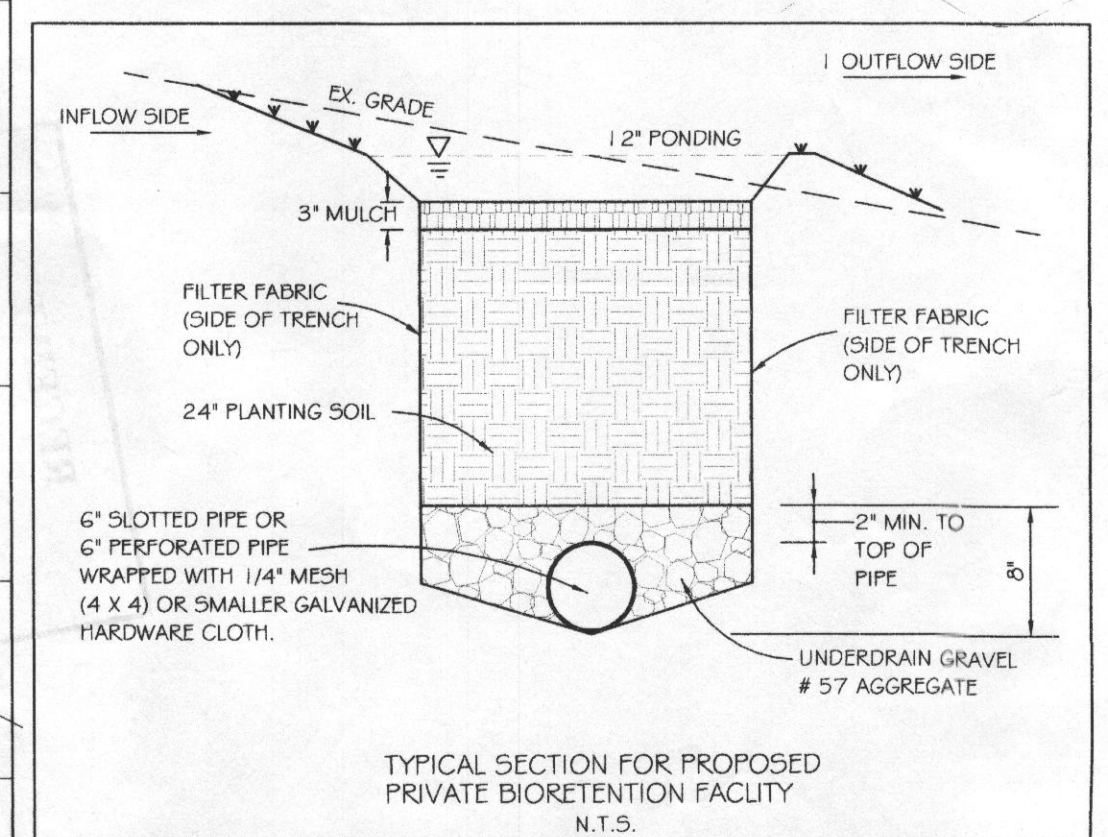
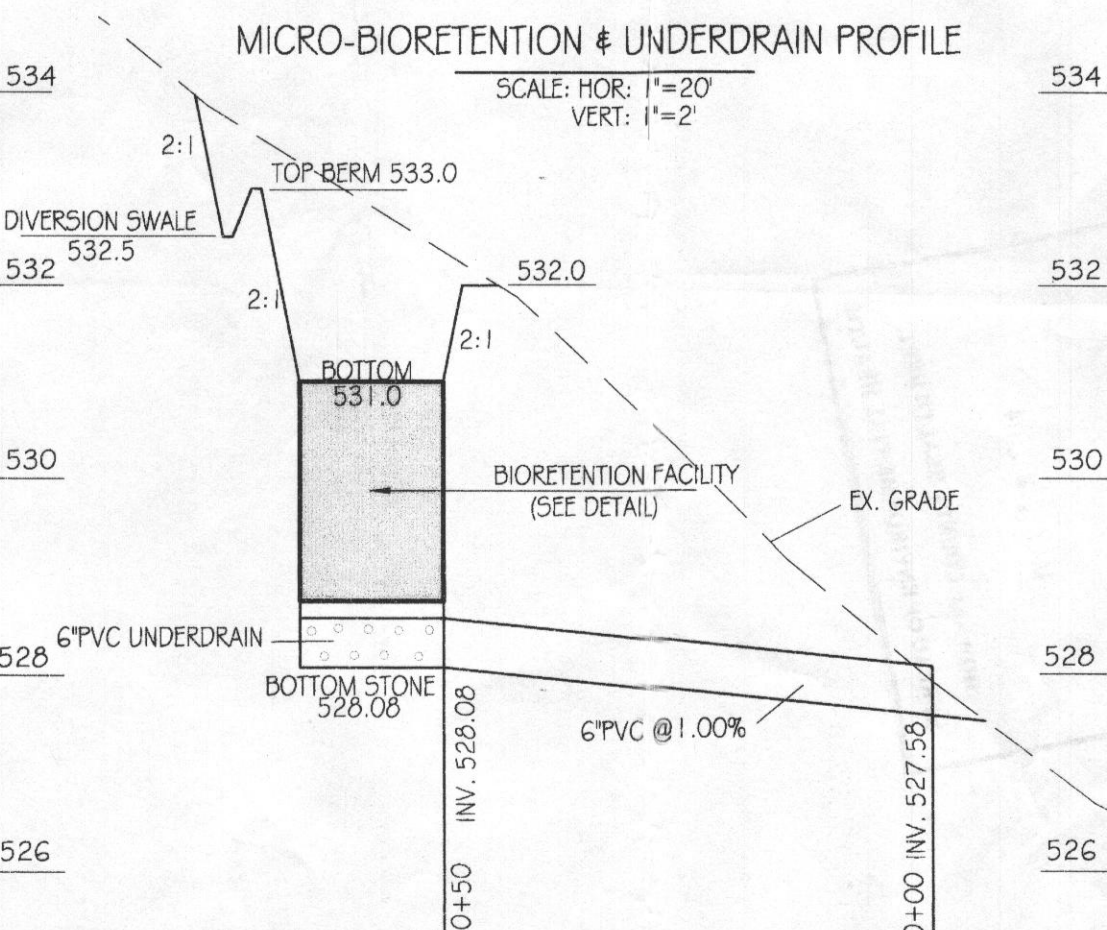
- GENERAL NOTES:
1. OWNER: KATHY AND KEVIN VASQUEZ  
DEED REFERENCE: LIBER 15104 AT FOLIO 299  
DATE: JULY 10, 2013  
GRANTOR: JAMES A. & BONITA L. RAYMOND TRUST
  2. TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
  3. THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83) PER HOWARD COUNTY SURVEY CONTROL STATIONS SHOWN BELOW.  
DISTANCES SHOWN HEREON ARE GROUND DISTANCES.  
DTA N601059.93 E 288753.56  
13CA N599676.01 E 1290946.54
  4. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
  5. ZONING DISTRICT: RC-DEO
  6. THE EXISTING SEPTIC TANK AND DRYWELLS ARE TO BE DISMANTLED PRIOR TO INSTALLATION OF THE NEW SEPTIC SYSTEM.
  7. LIMIT OF DISTURBANCE = 55,800 SQ. FT.
  8. THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
  9. STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED

SEPTIC SYSTEM TRENCH DESIGN:  
NUMBER OF BEDROOMS = 5  
APPLICATION RATE = 0.8 GPD / sq. ft.  
DESIGN FLOW: 150 GPD X 5 BEDROOMS = 750 GPD  
750 GPD / 0.8 GPD/sq. ft. = 938 sq. ft.  
938 sq. ft. / 3 ft. WIDE TRENCH = 313 LF TRENCH  
313 LF TRENCH X 0.62 REDUCTION CREDIT = 194 LF TRENCH  
TRENCH 1 (T1) EX. GRD=535.8 -INV. TRENCH=531.8 -B. TRENCH=528.8  
TRENCH 2 (T2) EX. GRD=534.0 -INV. TRENCH=530.0 -B. TRENCH=527.0  
TRENCH 3 (T3) EX. GRD=532.8 -INV. TRENCH=528.8 -B. TRENCH=525.8

PROFESSIONAL CERTIFICATION  
I hereby certify that this document was prepared by me or under my responsible charge, and that I am a duly licensed Professional Engineer in accordance with COMAR 09.13.06.12.  
T. Michael VanGart, Prof. Land Surveyor  
REVISOR: 03/24/14 TRENCH # SLEEVE  
REVISOR: 04/15/14 TANK W/ PUMP & ELEVATIONS  
REVISOR: 04/30/14 LPS PIPE LOCATION, CHAMBER TANK DETAIL & CAPACITY CHART

2000 GAL-2 CHAMBER TANK  
SCALE: 1" = 4'-0"

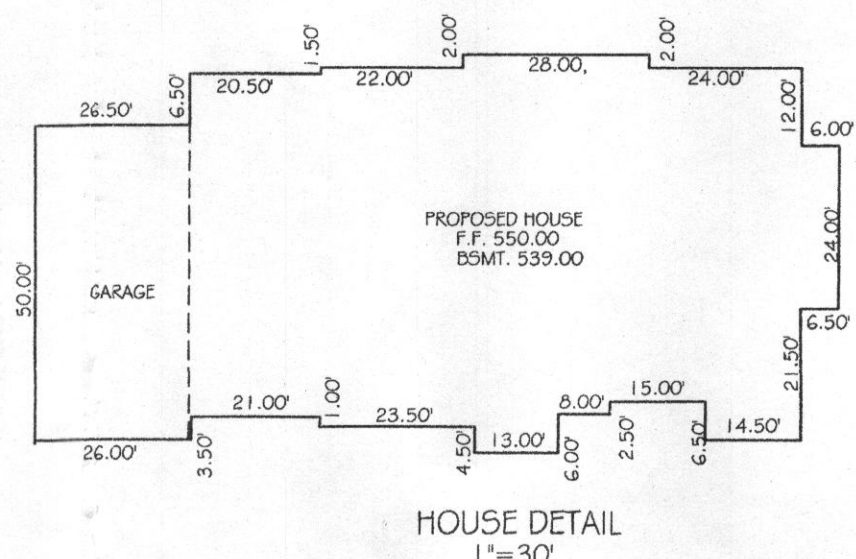
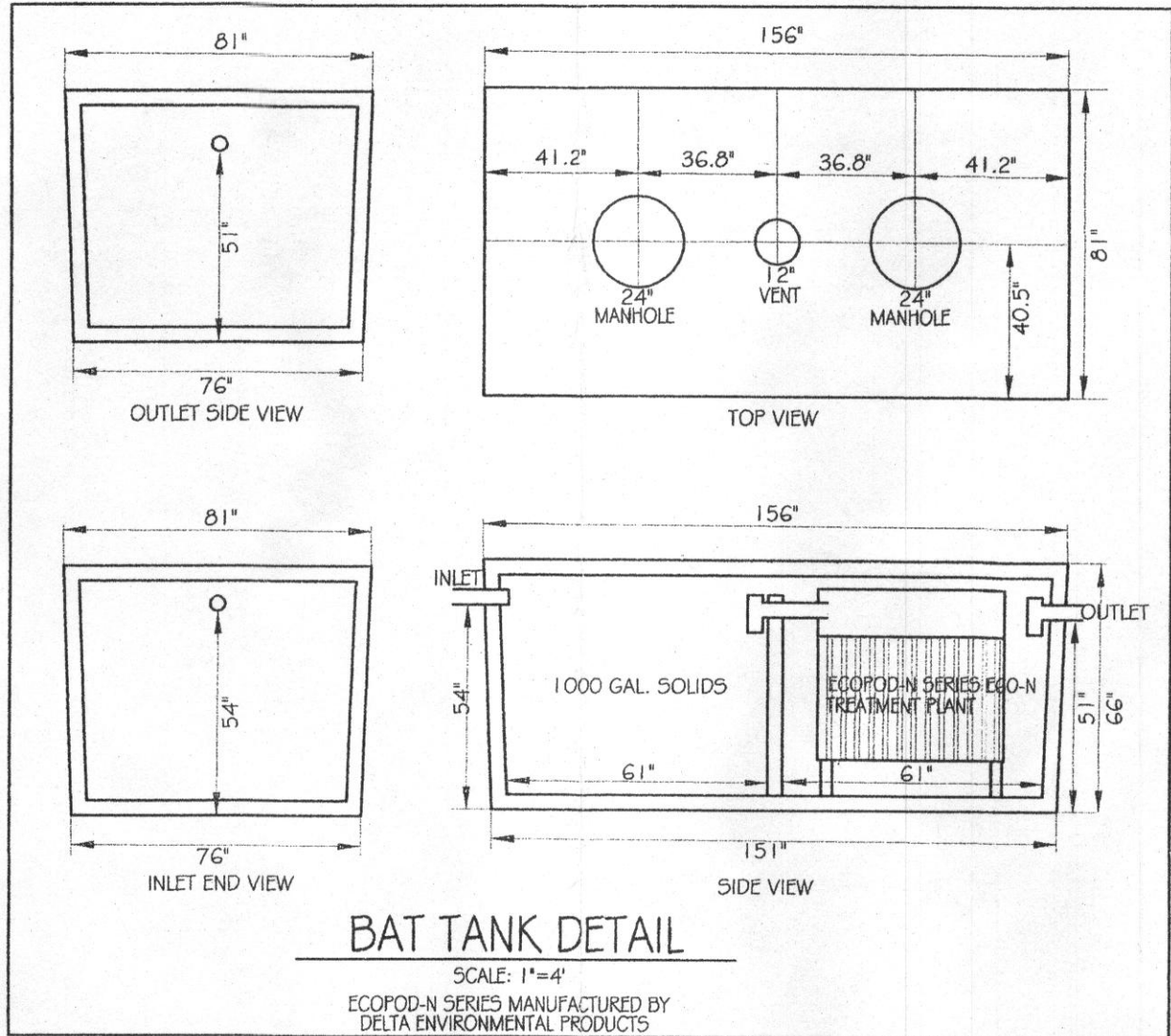
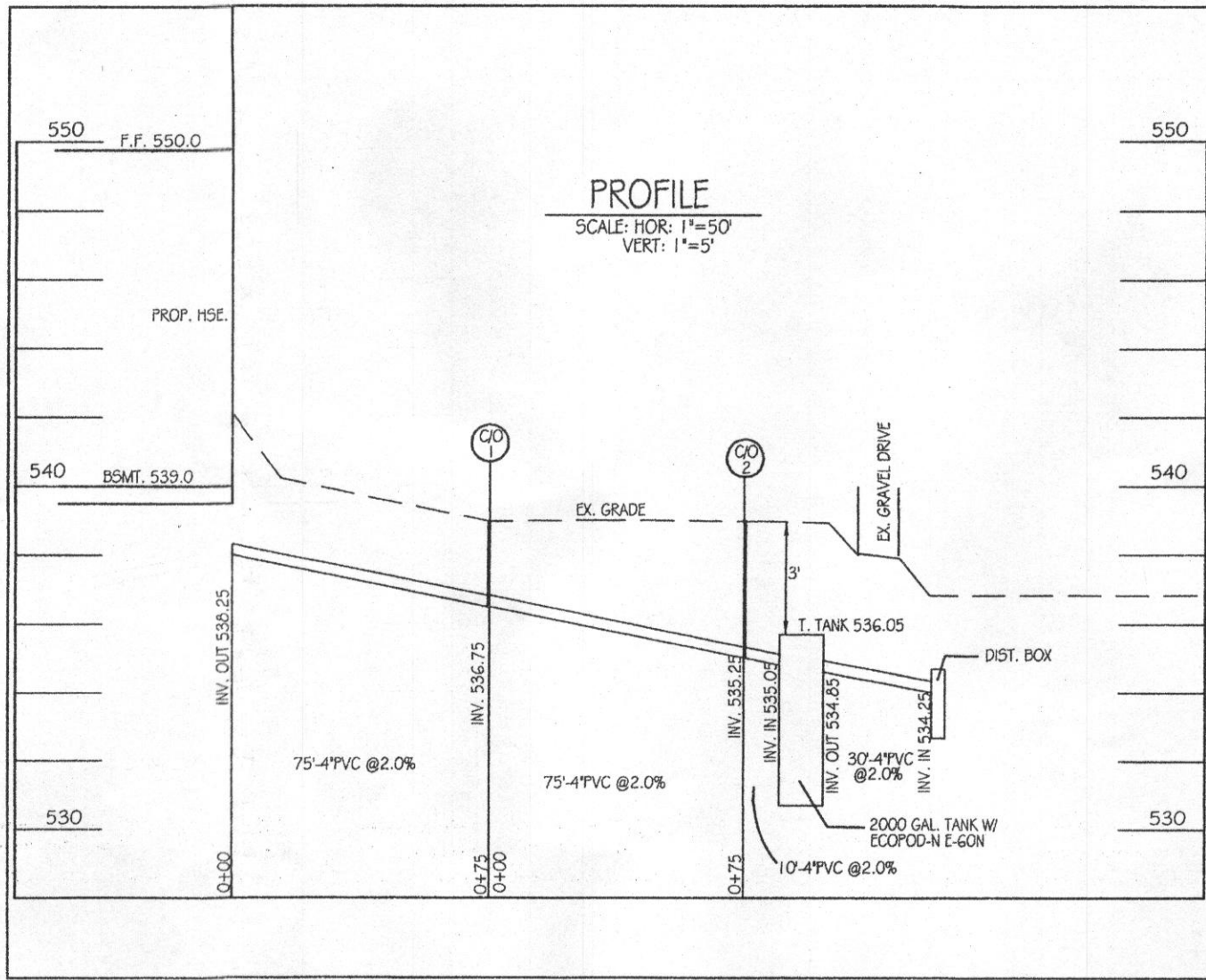
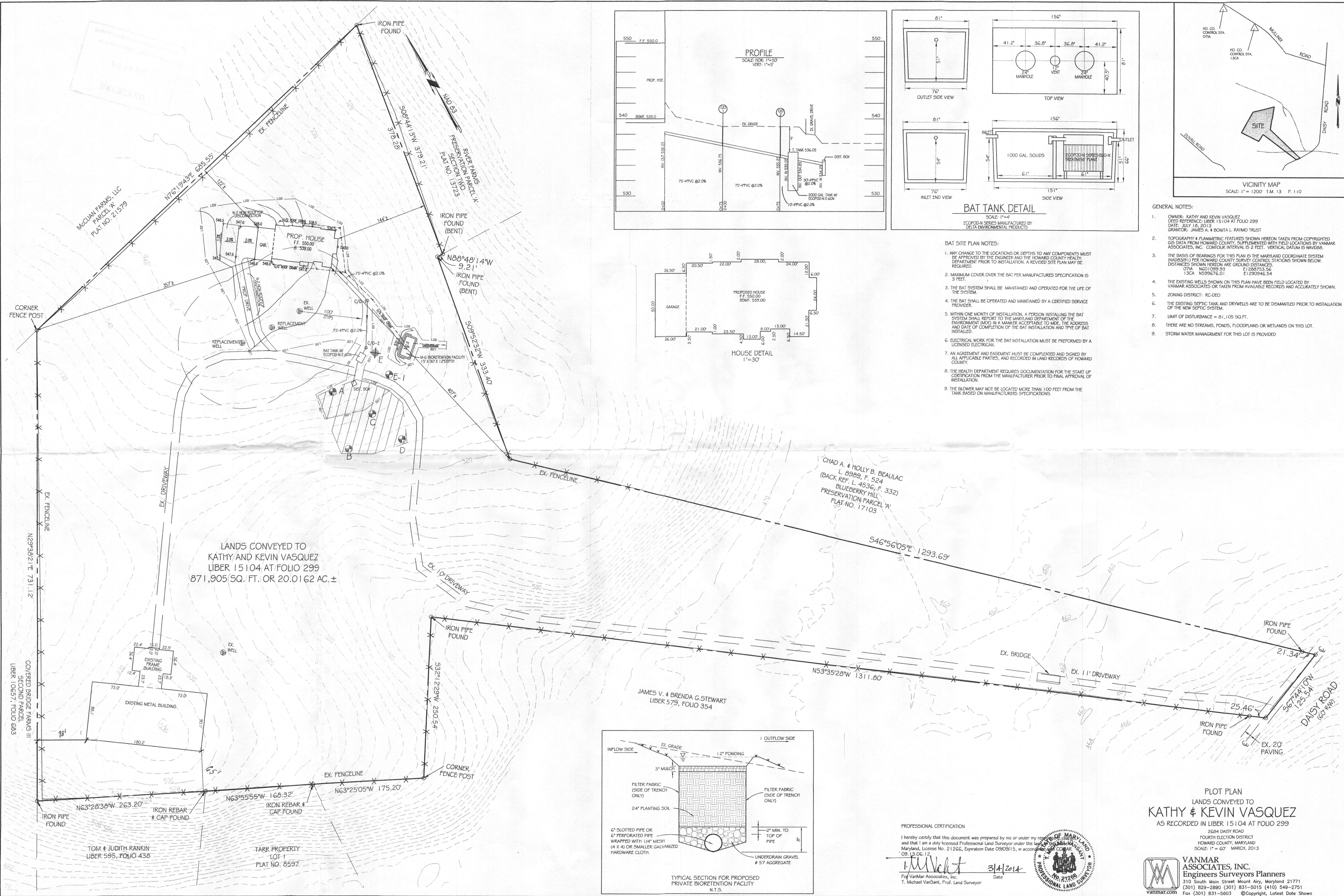
CHAD A. & HOLLY B. BEAULAC  
L. 8989, F. 524  
(BACK REF. L. 4536, F. 332)  
BLUEBERRY HILL  
PRESERVATION PARCEL 'A'  
PLAT NO. 17103



Approved Septic System Plan  
Howard County Health Department  
Signature: [Signature]  
Date: [Date]

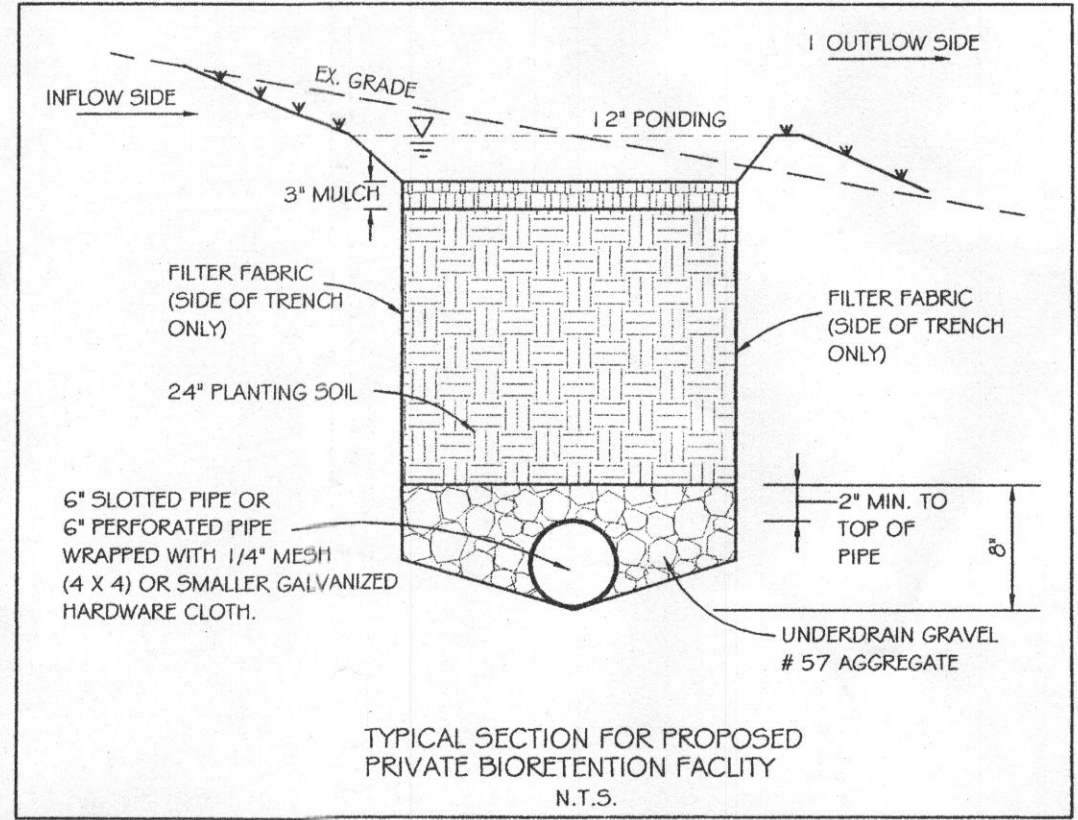
PLOT PLAN  
LANDS CONVEYED TO  
KATHY & KEVIN VASQUEZ  
AS RECORDED IN LIBER 15104 AT FOLIO 299  
2684 DASH ROAD  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 60' MARCH, 2013  
VANMAR ASSOCIATES, INC.  
Engineers Surveyors Planners  
310 South Main Street Mount Airy, Maryland 21771  
(301) 829-2890 (301) 831-5015 (410) 549-2751  
Fax (301) 831-5603 © Copyright, Latest Date Shown





- BAT SITE PLAN 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.
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  9. THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURERS SPECIFICATIONS.

- GENERAL NOTES:**
1. OWNER: KATHY AND KEVIN VASQUEZ  
DEED REFERENCE: LIBER 15104 AT FOLIO 299  
DATE: JULY 18, 2013  
GRANTOR: JAMES A. & BONITA L. RAYMO TRUST
  2. TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY SURVEY CONTROL. STATIONS SHOWN BELOW. DISTANCES SHOWN HEREON ARE GROUND DISTANCES.  
07A NGD 1099.93 E 1208753.56  
13CA NS98976.01 E 1208946.54
  3. THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83) PER HOWARD COUNTY SURVEY CONTROL. STATIONS SHOWN BELOW. DISTANCES SHOWN HEREON ARE GROUND DISTANCES.  
07A NGD 1099.93 E 1208753.56  
13CA NS98976.01 E 1208946.54
  4. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
  5. ZONING DISTRICT: RC-DEO
  6. THE EXISTING SEPTIC TANK AND DRYWELLS ARE TO BE DISMANTLED PRIOR TO INSTALLATION OF THE NEW SEPTIC SYSTEM.
  7. LIMIT OF DISTURBANCE = 61.105 SQ. FT.
  8. THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
  9. STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED



**PROFESSIONAL CERTIFICATION**

I hereby certify that this document was prepared by me or under my supervision and that I am a duly licensed Professional Land Surveyor under the laws of the State of Maryland, License No. 21266, Expiration Date 09/09/15, in accordance with COMAR 09.13.06.12

*T. Michael VanCant* 3/4/2014  
For VanMar Associates, Inc. Date  
T. Michael VanCant, Prof. Land Surveyor

**STATE OF MARYLAND**  
PROFESSIONAL LAND SURVEYOR  
No. 21266

**PLOT PLAN**  
LANDS CONVEYED TO  
**KATHY & KEVIN VASQUEZ**  
AS RECORDED IN LIBER 15104 AT FOLIO 299

2604 DAISY ROAD  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 60' MARCH, 2013

**VANMAR ASSOCIATES, INC.**  
Engineers Surveyors Planners  
210 South Main Street, Mount Airy, Maryland 21771  
(301) 829-2880 (301) 831-5015 (410) 549-2751  
Fax (301) 831-5603 ©Copyright, Latest Date Shown