

Bureau of Environmental Health  
 8930 Stanford Blvd. Columbia, MD 21045  
 (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: 6/19/2014 **ONSITE SEWAGE DISPOSAL SYSTEM** P 554514

INSTALLATION APPROVAL DATE: 8/15/14 **PERMIT** A \_\_\_\_\_

PROPERTY ADDRESS: 6825 Green Hollow Way

SUBDIVISION: \_\_\_\_\_ LOT: 15 TAX ID: 04-330374

CONTRACTOR: Fogle's Septic Clean EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: Keith Lynn code3protection.@yahoo.com

OWNER ADDRESS: 6825 Green Hollow Way PHONE: 301-346-5818

BAT UNIT MODEL: Ecopod E75

PUMP CHAMBER CAPACITY (GALLONS): Existing PUMP SIZE: Existing

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. >3,500 APPLICATION RATE: 0.6

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

|           |  |  |
|-----------|--|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>n/a</u>   | INLET DEPTH: <u>n/a</u>                    |
|           | TRENCH WIDTH: <u>n/a</u>   | MAXIMUM BOTTOM DEPTH: <u>n/a</u>           |
|           | MINIMUM SPACE BETWEEN TRENCHES: <u>n/a</u>   | EFFECTIVE AREA BEGINNING DEPTH: <u>n/a</u> |
| LOCATION: | BAT unit to be set in same place as original septic tank location.   |  |
| NOTES:    | <b>A test of the BAT unit itself is required.</b> Existing S.T. to be pumped and removed. New BAT unit to be set in its place with 6" of gravel under tank. Re-install all plumbing connections as is. A test of the BAT unit and pump tank is required. Elevations of existing trenches must be recorded in field at time of BAT installation. Grade elevations over existing trenches must terminate to depths as follows: <u>Trench 1=48"</u> , <u>Trench 2=36"</u> , <u>Trench 3=24"</u> . <b>Any additional fill over these previously approved depths must be removed prior to septic permit approval.</b> |  |

ISSUED BY: K. Wolf ISSUE DATE: 7/7/2014 EXPIRATION DATE: 7/7/2015

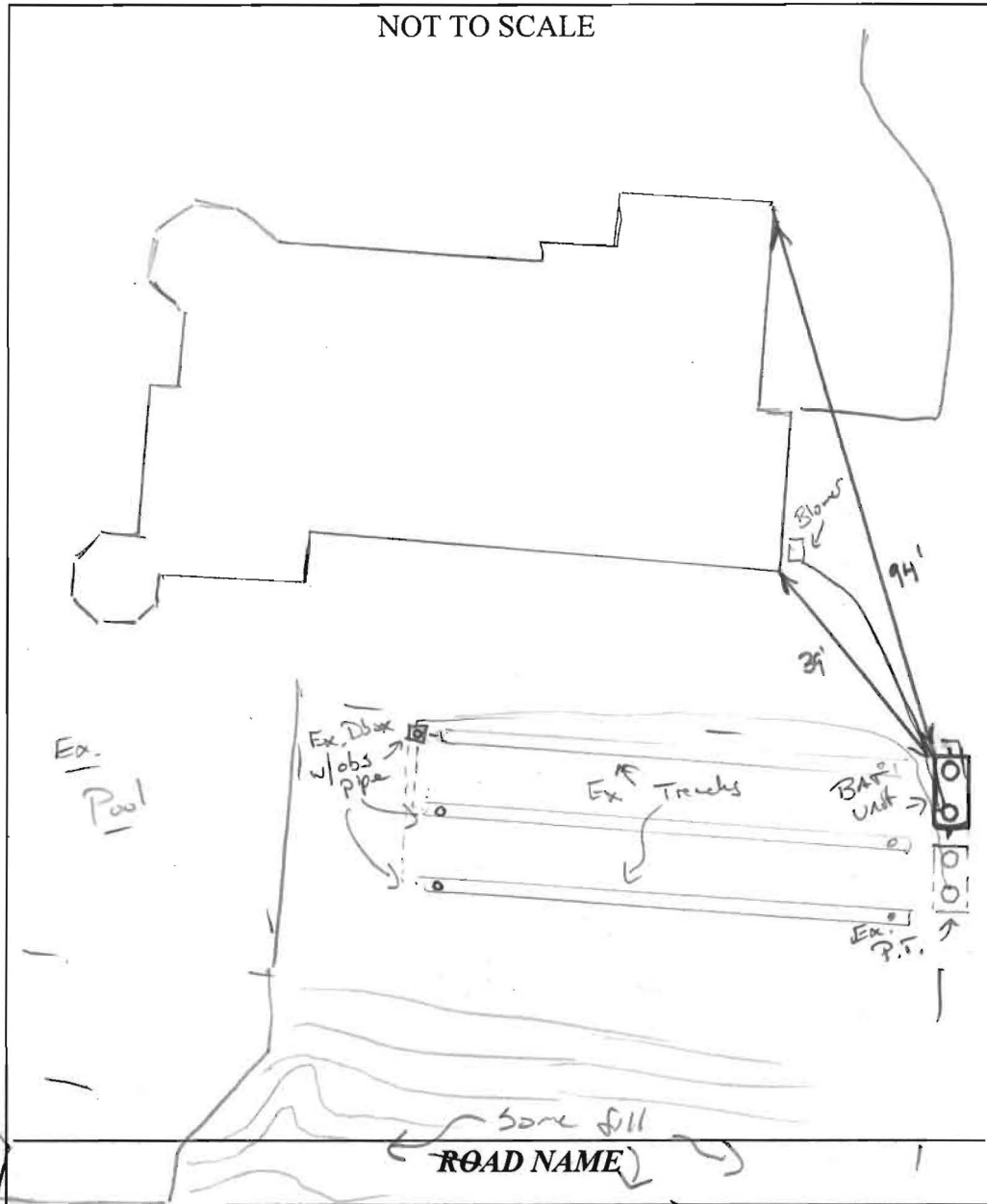
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- 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



PRE-CONSTRUCTION:

**TRENCH/DRAINFIELD DATA**

WIDTH \_\_\_\_\_ INLET \_\_\_\_\_ BOTTOM \_\_\_\_\_  
 NUMBER OF TRENCHES \_\_\_\_\_  
 TOTAL LENGTH \_\_\_\_\_  
 ABSORPTION AREA \_\_\_\_\_  
 DISTRIBUTION BOX LEVEL \_\_\_\_\_  
 DISTRIBUTION BOX BAFFLE \_\_\_\_\_  
 DISTRIBUTION BOX PORT \_\_\_\_\_

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL Yes  
 MANUFACTURER Babylon  
 CAPACITY Ecopol 575 GAL  
 SEAM LOC TOP  
 TANK LID DEPTH 2'  
 BAFFLES Yes  
 BAFFLE FILTER -  
 MANHOLE LOC Front/Rear  
 6" PORT LOC None  
 WATERTIGHT TEST -  
 SLOTTED Yes  
 DATE ON LID 6/14/14

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER \_\_\_\_\_  
 CAPACITY \_\_\_\_\_ GAL  
 SEAM LOC \_\_\_\_\_  
 TANK LID DEPTH \_\_\_\_\_  
 BAFFLES \_\_\_\_\_  
 BAFFLE FILTER \_\_\_\_\_  
 MANHOLE LOC \_\_\_\_\_  
 6" PORT LOC \_\_\_\_\_  
 WATERTIGHT TEST \_\_\_\_\_  
 SLOTTED \_\_\_\_\_  
 DATE ON LID \_\_\_\_\_

8/15/14 side visit made. Fill removed back to original grade (or close to). Maybe some fill on lower end of SRT (~2' or so) OK to sponsor septic permit and lift holds on bp (KW)

INSTALLATION: 7/17/14 BAF unit installed in same location as ex. S.T. Old tank removed off site. Blower was installed w/ blower sitting on side of house. Fill not removed. To be done by another contractor. Need BAF start-up. OK to cover/backfill tank (KW) 8/5/14 met w/ Foyles and Raffaele Massacelli on site to check grading issues. Grade minimized to acceptable depths per permit over trenches. Need to cut down fill over septic room area some before permit can be approved and holds on bp's can be lifted (KW)

FINAL INSPECTOR

K. Wolf

DATE OF APPROVAL

8/15/14

# e3 Environmental LLC

302-715-0788 www.e3onsite.com

## ECOPOD-N Completion Statement

### Installation Information

|             |                       |                     |                                     |
|-------------|-----------------------|---------------------|-------------------------------------|
| Owners Name |                       | # of Bedrooms / GPD | 750                                 |
| Street      | 6825 Green Hollow Way | Repair              | <input checked="" type="checkbox"/> |
| City        | Highland              | New Construction    | <input type="checkbox"/>            |
| State       | MD                    |                     |                                     |
| Zip         |                       |                     |                                     |

### Installation Company

|                     |              |                |         |
|---------------------|--------------|----------------|---------|
| Company             | Fogle        | Installed Date | 7/14    |
| Certified Installer | Ricky Colson | Startup Date   | 7/30/14 |
| Street              | Obrecht Rd   |                |         |
| City                | Syskaville   |                |         |
| State               | MD           |                |         |
| Zip                 |              |                |         |

### ECOPOD-N

|         |                                     |               |
|---------|-------------------------------------|---------------|
| Model # |                                     | Serial #      |
| E50     | <input type="checkbox"/>            |               |
| E60     | <input type="checkbox"/>            |               |
| E75     | <input checked="" type="checkbox"/> | E 75N-01085CA |
| 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 inch |
| 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  
 Signature Steven R Koontz  
 Printed Name STEVEN R Koontz

Date 7/25/14

6825 Green Hollow Way

# FILE INQUIRY NOTES

| DATE     | RESULTS OF REVIEW FOR FILE   |
|----------|--|
| 11/25/13 | <p>A site map was made to the adjacent property (6831 Green Hollow) to visually see the property next door (6825 Green Hollow Way). This reasoning behind the need for a site map came about after seeing the pool addition <sup>construction</sup> and several dump truck loads of fill being delivered over the septic area. All of this was seen a week prior on another site inspection location east approx 1000 ft away.</p> <p>→ Aerial findings showed the pool construction extending outward from the back corner as approved but a patio extending ~ 30' or so from that. This looked to encroach into the septic area area. Also seen several loads of fill/dirt dumped in piles over the approved septic area. See photos.</p> <p>→ Further aerial research could not confirm patio off of pool nor fill/grading over septic area over approved. Emails sent out to DELP / CED. Stop work order issued by HD. more to follow (KW)</p> |
| 11/25/13 | <p>(3:30 pm) spoke w/ John Alcorn about grading permit. Explained details of the "stop-work" on grading permit. Basically it was issued on basis of volume and "controls" of grading. more to follow. (KW)</p>   |

## Wolf, Kevin

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**From:** Wolf, Kevin  
**Sent:** Tuesday, July 22, 2014 9:39 AM  
**To:** 'Raffaele Mannarelli'  
**Cc:** 'code3protection@yahoo.com'  
**Subject:** 6825 Green Hollow Way

Raffaele,

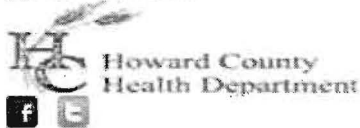
To this point, we have inspected the installation of the BAT unit onsite at the subject property. From here, we need the following things to happen:

1. Successful startup of the BAT unit itself to make sure it is working.
2. This will be followed up by a certification letter from the BAT manufacturer. I should receive a copy of this prior to final approval of the permit.
3. Removal of the fill over the septic reserve area down original grade. Please contact me when this is complete so I can come out to the property to inspect for completion. Please use the existing observation pipes over the existing drainfield as reference. Upper obs pipe should measure 48" from finished grade, middle trench should measure 36" to final grade, and the lower obs pipe should measure 24" to finished grade.

Please let me know if you have any questions.

Thanks,

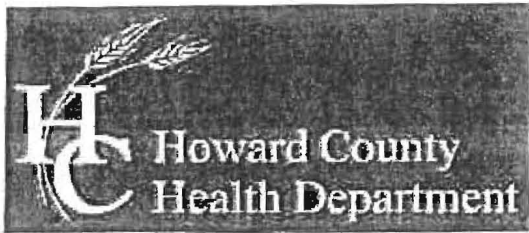
Kevin M. Wolf, R.E.H.S./R.S., LEHS  
Bureau of Environmental Health  
Well & Septic Program  
Groundwater Mgmt. Sec.  
8930 Stanford Blvd.  
Columbia, MD 21045  
(o) 410-313-2645  
(f) 410-313-2648



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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

000139

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

THIS AGREEMENT is made this 18<sup>th</sup> day of June, 2014, among Keith C. Lynn, 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 6825 Green Hollow Way, Highland, Maryland 20777, in the 5<sup>th</sup> 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 14078 Folio 0400.

20  
40  
nt

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.

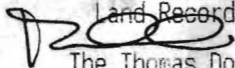
NOW, THEREFORE, the parties hereto agree as follows:

- 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



6825 GREEN HOLLOW WAY  
HIGHLAND, MD 20777

\* Clerk of the Circuit Court for  
Howard County  
Land Records/Licensing



The Thomas Dorsey Building  
9250 Bendix Road  
Columbia, MD 21045  
410-313-5850

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LR - Deed (No-Taxes) Recording Fee  
1x 20.00 20.00

Grantor/Grantee Name: howard count  
Reference/Control #: 139

LR Deed (No-Taxes) Surcharge  
1x 40.00 40.00

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SubTotal: 60.00  
Total: 60.00

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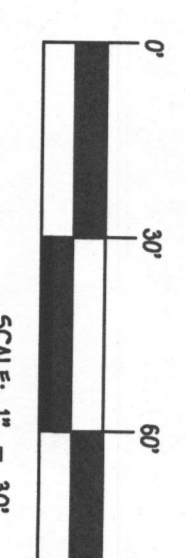
REV-Check-BOA 60.00  
Number : 12834

06/23/2014 14:20  
#2951212 /494/109

CC13-NN

~ Thank you for visiting us today ~

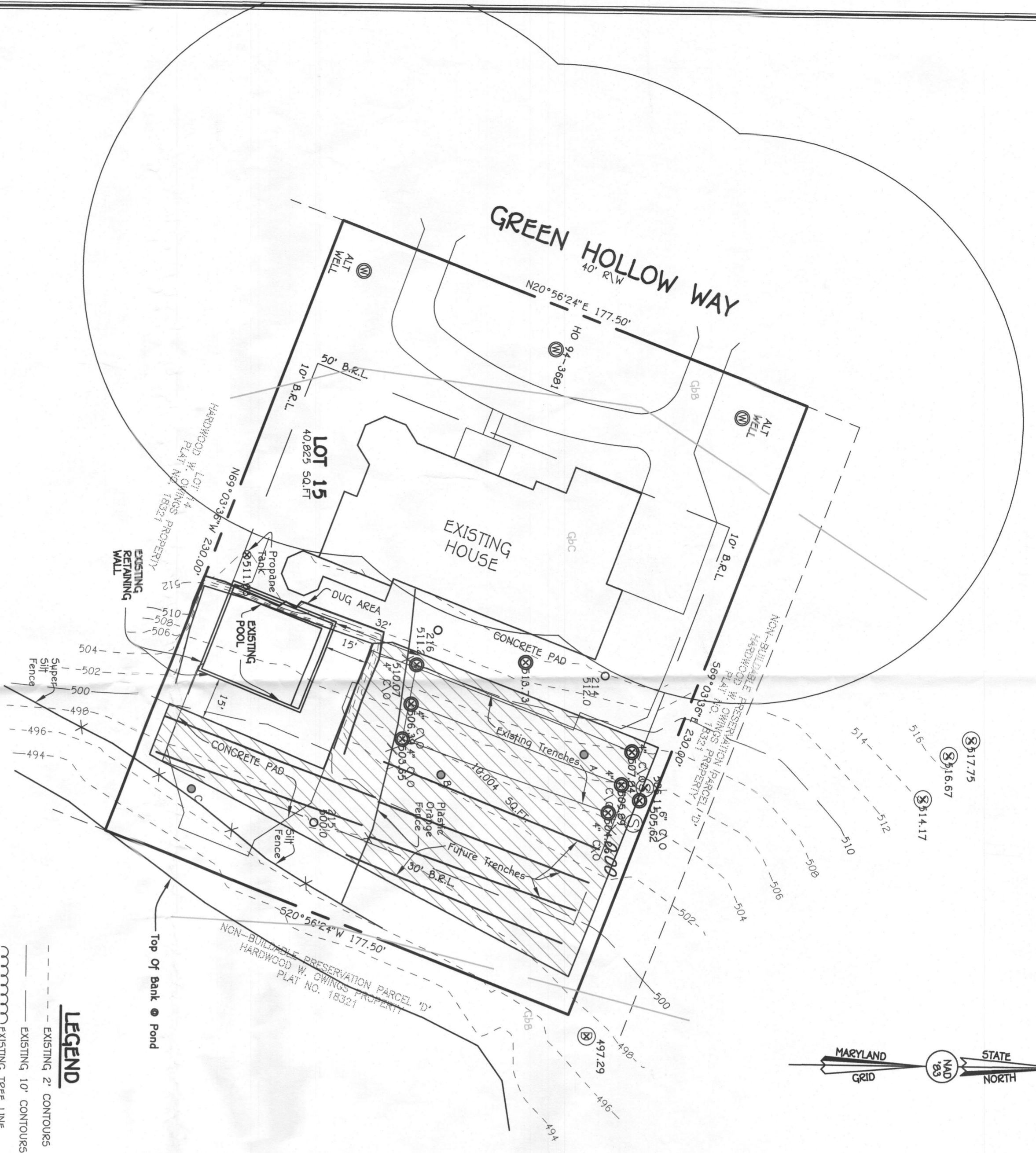
**FISHER COLLINS & CARTER, INC.**  
 THE ENGINEERING CONSULTANTS & LAND SURVEYORS  
 1000 SOUTH GORDES ROAD - SUITE 200  
 ELLETTT CITY, MARYLAND 21724  
 (410) 461-2293



**PLAN**  
 SCALE: 1" = 30'

| SOILS LEGEND |   |       |
|--------------|---|-------|
| SOIL         | NAME                                    | CLASS |
| Q3B          | Glauconite loam, 3 to 6 percent slopes  | B     |
| Q3C          | Glauconite loam, 6 to 15 percent slopes | B     |

- NOTES:
- Hydric soils and/or contains hydric inclinations
  - Hydric soils and/or contains hydric inclinations
  - Generally only within 100-year floodplain areas

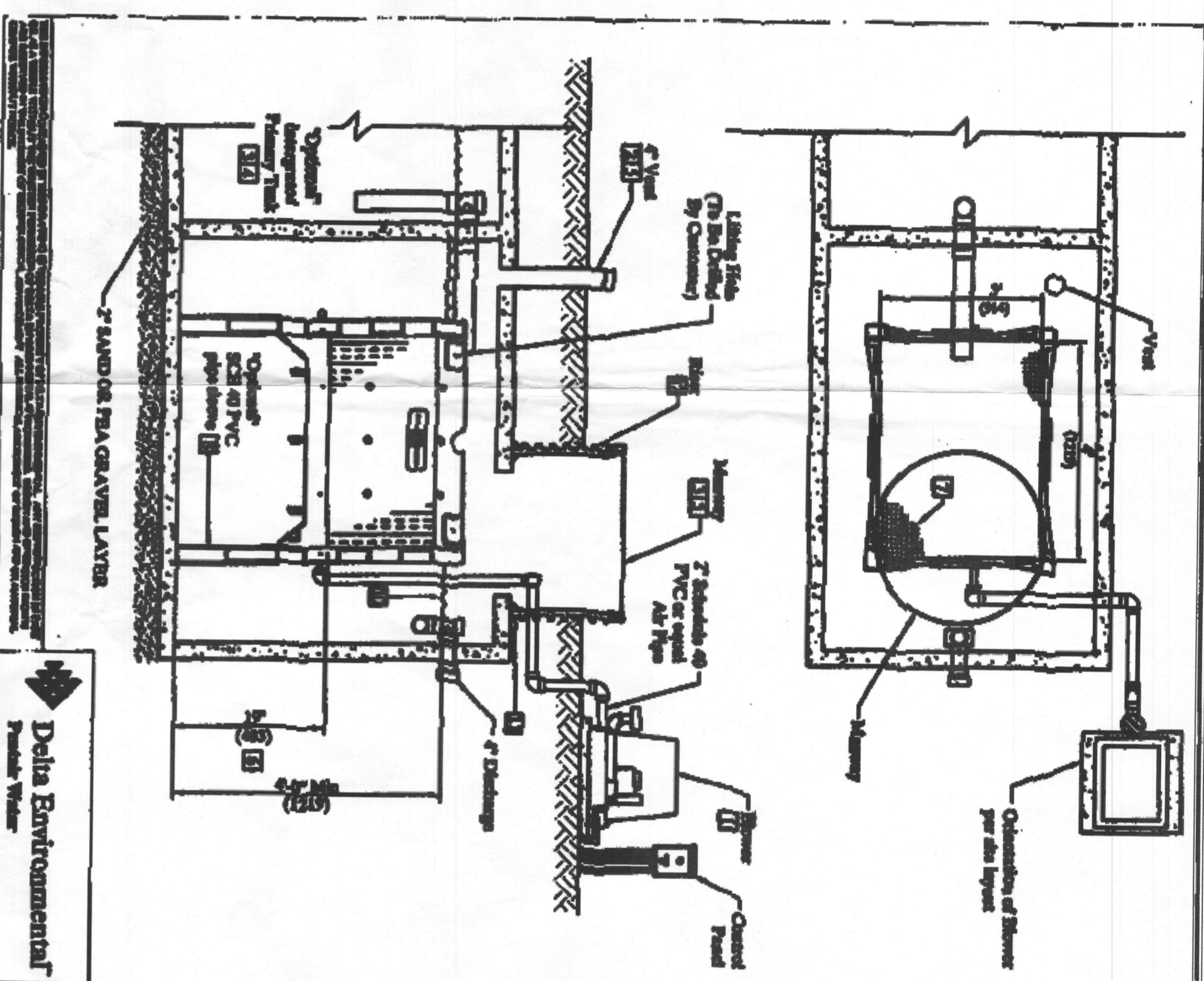


**LEGEND**

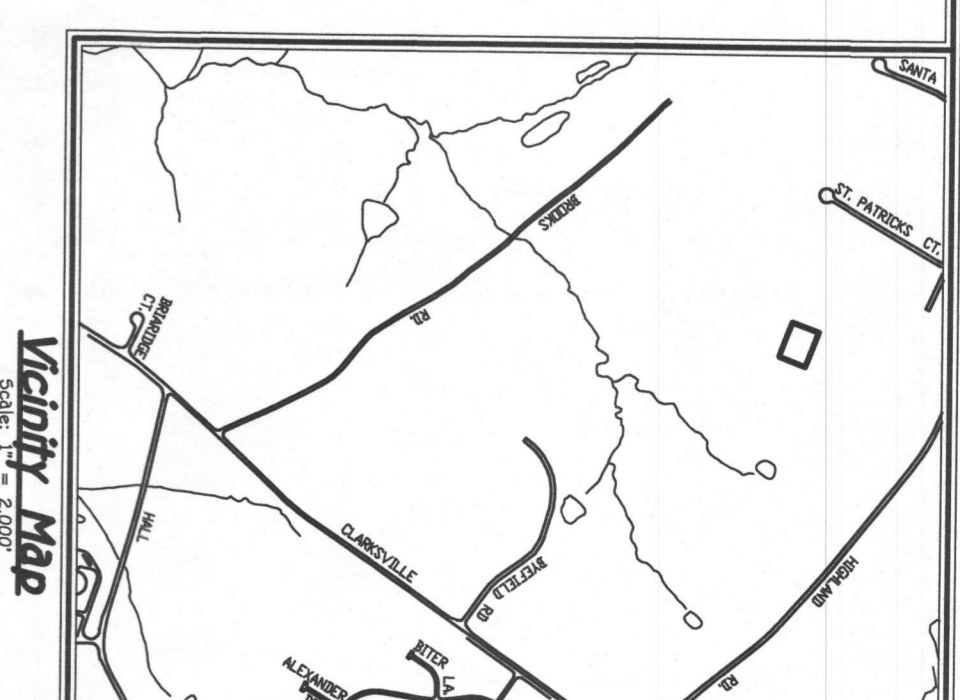
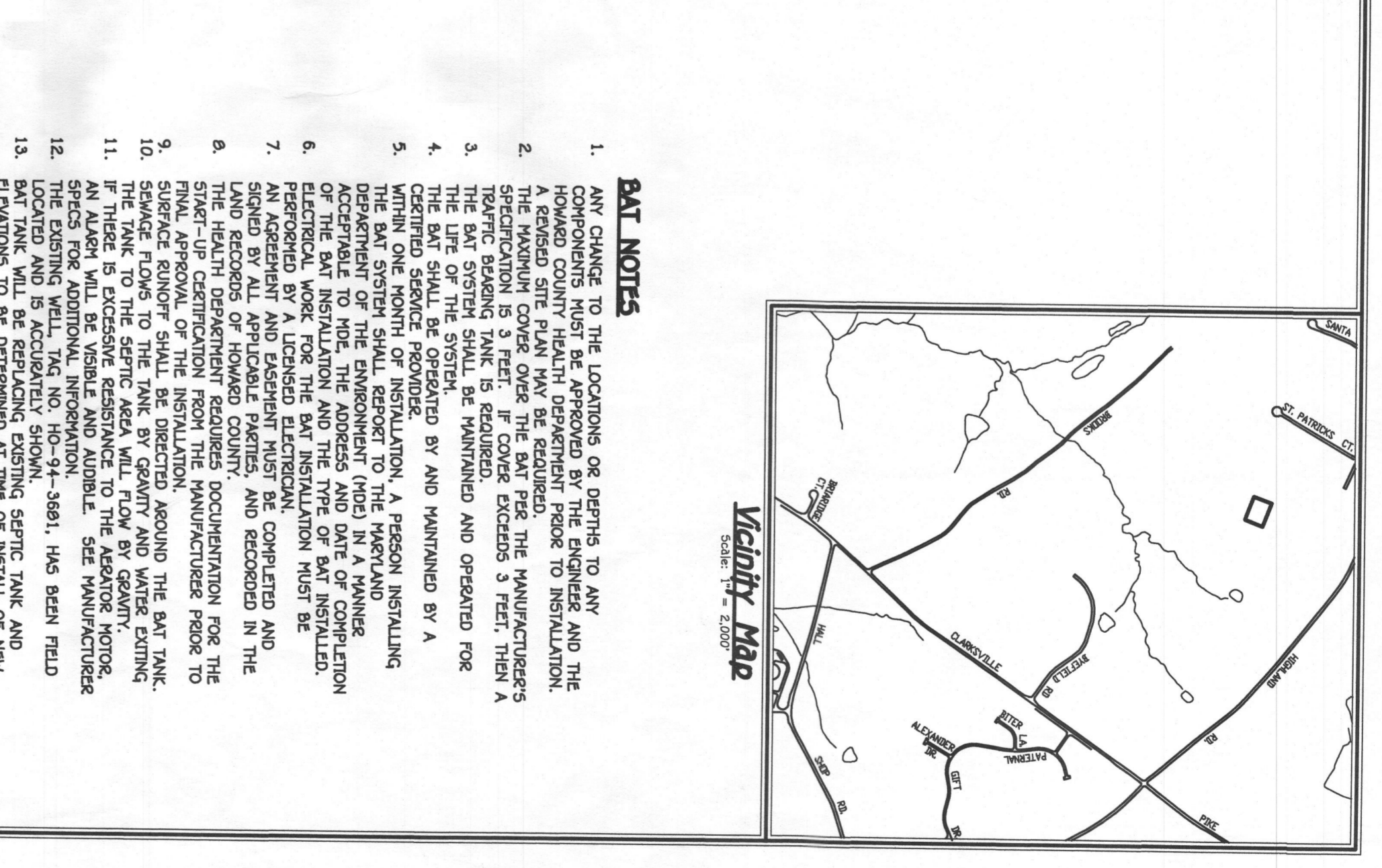
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- EXISTING WELL
- PROPOSED PAVED PREG. PER HOWARD COUNTY HEALTH DEPARTMENT RECORDS
- PROPOSED PAVED PREG. TEST DONE ON 2/24/12 PER HOWARD COUNTY HEALTH DEPARTMENT RECORDS
- PROPOSED REMOVED PREG. AREA

**WELL CERTIFICATION:**  
 THE EXISTING WELL, TAG NO. HO-94-3691, HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9733, EXPIRATION DATE 3/31/16.  
 Terrell A. Fisher  
 DATE: 6/18/14



- NOTES:**
- Blower piping to ECO-OD unit to extend 100 FT total length in the piping system. For distances greater than 100 FT, consult factory. Blower must be located above flood levels on a solid base.
  - Unit to be located above flood grade, or higher to avoid infiltration. Cap on vent must be secured with a stainless steel cover.
  - All other tanks for both ECO-OD must conform to applicable county, state, provincial, and local plumbing and electrical codes.
  - The primary vent component volume must be 1 to 2 times the rated ECO-OD GPM, Primary and Reactor tank volumes are listed in the ECO-OD design manual. The primary vent may be integrated with the reactor tank or stand alone in a separate tank.
  - All venting, pump out ports, and vents must be secured to prevent backflow or unauthorized access.
  - ECO-OD media is recommended to be about 18" from bottom of tank. Distance to 18" need factory approval.
  - ECO-OD media EY18PVC234
  - Tank with higher water level 50% 40 PVC pipe over top to provide vent to correct height.
  - An supply fan should be secured with non-removable clamps where required to prevent vibration damage.
  - Blower discharge line must be at a height on steel, or no less than 2" above vented side PVC media.
  - Use epoxy, or the another approved method or substance, to create strong connection & watertight seal (TYP)
  - Items must conform to county, state, provincial and local applicable codes. Check local codes.



Approved Septic System Plan  
 Howard County Health Department  
 Signature: [Signature]  
 Date: 7/7/14

**BAT PLAN**  
**6825 GREEN HOLLOW WAY**

TAX MAP #40 GRID: 4  
 PARCEL: 44  
 HOWARD COUNTY, MARYLAND  
 DATE: JUNE 18, 2014