



Howard County
Health Department

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

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

RECEIPT DATE: 10/6/16

ONSITE SEWAGE DISPOSAL SYSTEM

P 559790

APPROVAL DATE: 11-15-16

PERMIT:

REPAIR

A

PROPERTY ADDRESS: 13471 Triadelphia Mill Road

SUBDIVISION:

LOT:

TAX ID:

CONTRACTOR: J & A Construction - Jason Poe

EMAIL:

CONTRACTOR ADDRESS: P.O. Box 870, Mount Airy

PHONE:

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:

☒ MDE

☒ MANUFACTURER:

PROPERTY OWNER: Riley Fenlon

EMAIL:

OWNER ADDRESS: 13471 Triadelphia Mill Road

PHONE:

BAT UNIT MODEL: Norweco 600 GPD

PUMP SIZE:

PUMP TANK CAPACITY:

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED:

DATE RECORDED:

DISTRIBUTION SYSTEM:

☒ GRAVITY

☐ PRESSURE DOSED

BEDROOMS: 5

APPLICATION RATE: 1.2

TRENCHES:

LINEAR FEET REQUIRED: 87 LF

INLET DEPTH: 3 FT

TRENCH WIDTH: 3 FT

MAXIMUM BOTTOM DEPTH: 8 FT

MINIMUM SPACE

BETWEEN TRENCHES: 11 FT

EFFECTIVE AREA BEGINNING DEPTH: 4 FT

LOCATION:

TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.

NOTES:

ISSUED BY: Hank Oswald

ISSUE DATE: 10/12/16

EXPIRATION DATE: 10/12/17

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

☐ ELECTRICAL PERMIT ISSUED E

NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

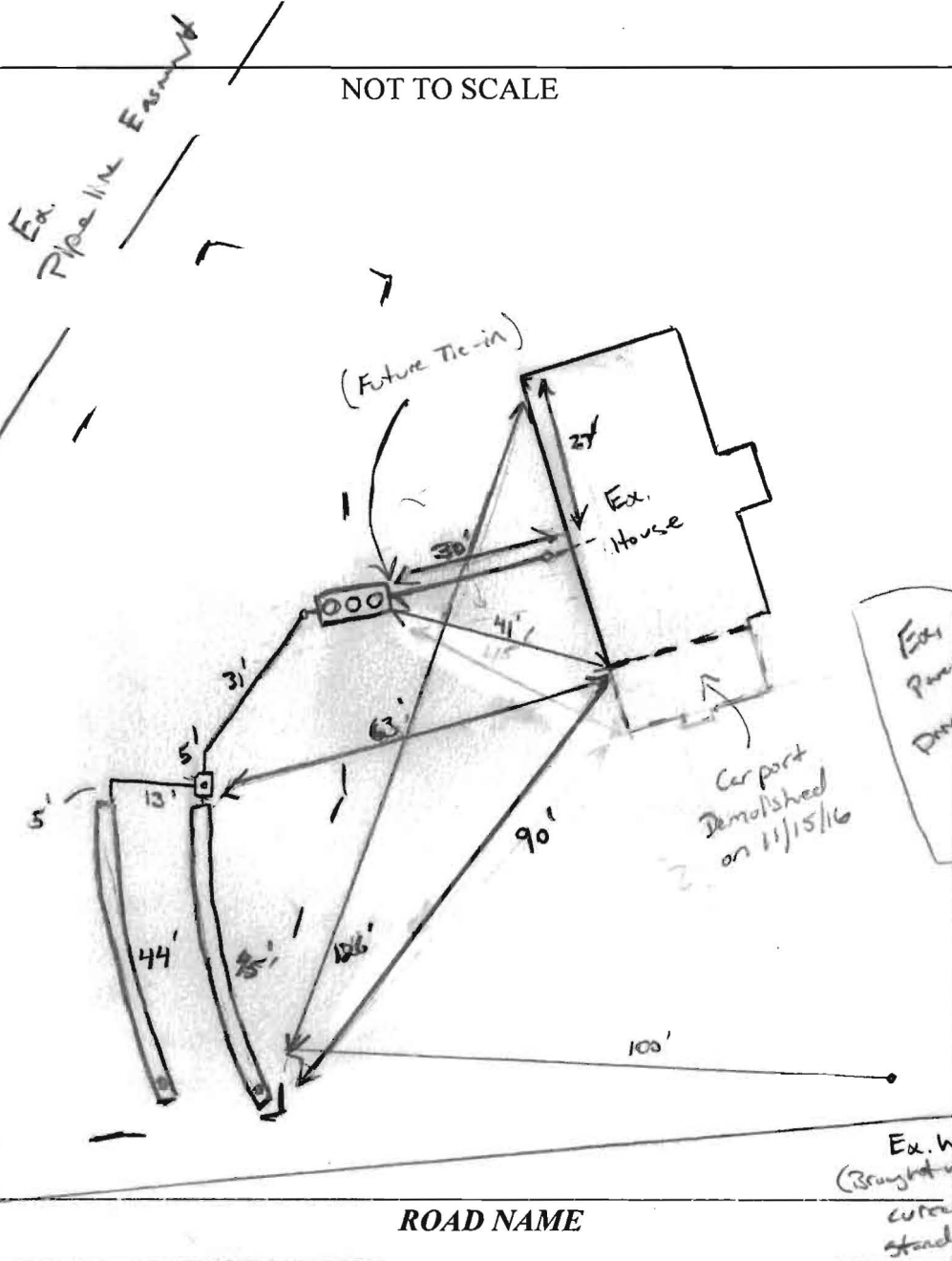
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	4'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		89
ABSORPTION AREA		267' + SIDEWALL
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK I LEVEL Yes
 MANUFACTURER Back River Pre-Cast
 CAPACITY 1200 GAL
 SEAM LOC Top
 TANK LID DEPTH 2'
 BAFFLES no
 BAFFLE FILTER Yes
 MANHOLE LOC FRONT, MID, REAR
 6" PORT LOC none
 WATERTIGHT TEST -
 SLOTTED Yes
 DATE ON LID 8-22-16

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 _____

PRE-CONSTRUCTION:

11/2/16 Met w/ contractor on-site. Laid out 2 x 44' trenches close to approved BAT site plan. Owner and contractor asked to turn BAT unit and move slightly downhill in SOA. 'OK'. Call for inspection. (Kw)
 Also Contractor to install new plumbing from ex. house to BAT.

INSTALLATION:

11/14/16 BAT unit set. Lower trench complete. Upper trench 75% complete. OK. to continue.
 11/15/16 Dbox set, all plumbing installed. Dbox to be leveled by homeowner w/ speedy leveler. (Owner is a master plumber). System complete. OK to back fill. Need BAT start-up approval for permit approvals (Kw) 11/21/16 Start-up cards rec'd but no power to BAT or house yet. (Kw) 6/27/17 Still no power to BAT. Need plastic screw caps on cleanouts 7/13/2017 BAT Has power and
 Screws cap. on obs ports.

FINAL INSPECTOR

DATE OF APPROVAL 07/13/17

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 13471 Triadelphia Mill Rd., Clarksville, MD 21029 November 15, 2016 was installed according to the manufacture's specifications.

Installer: Jason Poe

Property Owner: Fenlon Riley

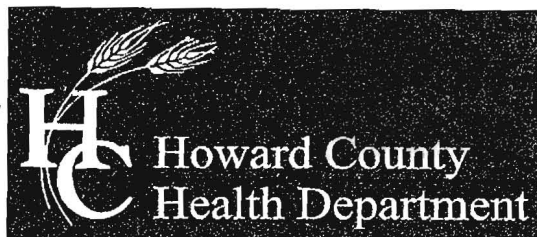
Permit #

THIS CERTIFICATION IS FOR INSTALLATION ONLY. THE 5-YEAR OPERATIONS & MAINTENANCE AGREEMENT FROM DATE OF INSTALLATION WILL ONLY GO INTO EFFECT AFTER BACK RIVER PRE-CAST, LLC RECEIVES FINAL AND FULL PAYMENT FOR THE SYSTEM.



MATTHEW GECKLE

Vice-President



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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 day of October 2016, among Riley Fenton, 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 13471 Triadelphia Mill Rd. Dayton, MD, in the 5 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 16841 Folio 151.

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. The pre-treatment device being installed is Norweco 5-600.

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.

Bea Ryan 10/12/2016

Howard County Health Department

[Signature] 10/12/2016

Owner #1 Signature

Date

Owner#2 Signature

Date

Owner #1 Print Name

Owner #2 Print Name

Buyer #1 Signature

Date

Buyer #2 Signature

Date

Buyer #1 Print Name

Buyer #2 Print Name

Oswald, Hank

From: riley fenlon <rflenlon0@gmail.com>
Sent: Wednesday, October 19, 2016 12:54 PM
To: Oswald, Hank
Subject: Re: Septic Permit_13471 Triadelphia Road_Operation and Maintenance Agreement

Hank,

Please see the attached receipt.

Thanks!
Riley



On Wed, Oct 12, 2016 at 8:26 AM Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Yes, please bring it in as soon as you can. As mentioned, the Director will need to sign it and you will need to record it with the Office of Land Records and bring back a copy of the receipt.

Thanks,

Hank

From: riley fenlon [mailto:rflenlon0@gmail.com]

Sent: Tuesday, October 11, 2016 7:25 PM

To: Oswald, Hank

Subject: Re: Septic Permit_13471 Triadelphia Road_Operation and Maintenance Agreement

Thanks, Hank! I left you a message today saying that Jason Poe with J&A construction services will be by this week (Wed or Thurs) to pick up the septic permit. He and his company already have experience installing septic systems in Howard county. I printed out and signed the Operations and Maintenance agreement which I will drop off at your offices in Columbia later this week.

-Riley

On Tue, Oct 11, 2016 at 10:59 AM Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Riley:

I just wanted to follow-up and reiterate that if your septic contractor hasn't installed septic systems in this County, then he will need to bring in I.D. and certification. Also, please complete the Operations and Maintenance Agreement (see attached) and bring it in to the Health Department for the Directors signature. Once signed by the director, this document will need to be recorded in land records. Once recorded, please submit proof of receipt to the Health Department.

Let me know if you have any questions.

Thanks,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

410.313.2648 (Fax)

Oswald, Hank

From: Steven Krieg -MDE- <steven.krieg@maryland.gov>
Sent: Thursday, August 18, 2016 2:18 PM
To: Williams, Jeffrey
Cc: Oswald, Hank
Subject: Re: Variance request 13471 Triadelphia Rd

Approved with BAT required. I can sign tomorrow.

Thanks for the details.

On Wed, Aug 17, 2016 at 1:50 PM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Sgeve; see attached variance request. This is a proposed house addition. They will be replacing existing system. Soils were standard SL to 12'. No rock, no water, 0.8 rate. Thanks

Jeff

Jeff Williams

Program Supervisor, Well & Septic Program

Bureau of Environmental Health

Howard County Health Dept.

410-313-4261

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.

--

Steven R. Krieg, LEHS, REHS/RS
Regional Consultant for Western Maryland

On-site Systems Division
Wastewater Permits Program
Water Management Administration
Maryland Department of the Environment
1800 Washington Boulevard, Suite 455
Baltimore, MD 21230-1708

(410) 537-3680 (Direct)
(410) 537-3163 (FAX)

On-site Systems Division Webpage

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, August 25, 2016 9:20 AM
To: John Carney (jcarney@bei-civilengineering.com)
Subject: Variance Request Approved_13471 Triadelphia Mill road
Attachments: Variance_13471 Triadelphia Mill Road.pdf

Hi John:

The Variance request has been approved (See attached copy of approval). As mentioned, the other note should read, "A BAT unit will be required on the septic system".

Let me know if you have any questions.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, September 14, 2016 10:10 AM
To: 'John Carney'
Subject: RE: Variance Request Approved_13471 Triadelphia Mill road
Attachments: Septic Spec Sheet_13471 Tridelphia Mill Road.pdf

John:

Attached, please find a copy of the septic spec sheet for 13471 Triadelphia Mill Road.

Hank

From: John Carney [<mailto:jcarney@bei-civilengineering.com>]
Sent: Wednesday, September 14, 2016 8:27 AM
To: Oswald, Hank
Subject: RE: Variance Request Approved_13471 Triadelphia Mill road

Hank, are we good to go on this BAT plan? I have the perc cert printed and ready to bring down to you. If you have any comments on the BAT plan I will bring that down at the same time. Thanks, John

From: John Carney [<mailto:jcarney@bei-civilengineering.com>]
Sent: Monday, September 12, 2016 11:20 AM
To: 'Oswald, Hank' <hoswald@howardcountymd.gov>
Subject: RE: Variance Request Approved_13471 Triadelphia Mill road

Hank, I sent you copies on 8/5/16. Same transmittal as the Variance request form and the variance exhibit. It was all under the same cover. I spoke with the owner this morning and he wants to order the BAT this week. If you can't find it let me know and I will have new copies brought to you. John

From: Oswald, Hank [<mailto:hoswald@howardcountymd.gov>]
Sent: Monday, September 12, 2016 11:03 AM
To: John Carney <jcarney@bei-civilengineering.com>
Subject: RE: Variance Request Approved_13471 Triadelphia Mill road

Hi John:

Looks good. No edits. Which BAT plan are you referring to?

Thanks,

Hank

From: John Carney [<mailto:jcarney@bei-civilengineering.com>]
Sent: Monday, September 12, 2016 9:51 AM
To: Oswald, Hank
Subject: RE: Variance Request Approved_13471 Triadelphia Mill road

Hank, this is the note we are adding the to the certification plan. Do you have any edits?

9.) ON 8/18/16 A VARIANCE REQUEST WAS CONDITIONALLY APPROVED BY MDE. THE VARIANCE REQUEST WAS TO COMAR SECTION 26.04.02.05(B)(2) TO ALLOW A WELL BELOW THE PROPOSED SEPTIC SYSTEM. THE CONDITION OF APPROVAL WAS THAT A BAT UNIT BE REQUIRED ON THE SEPTIC SYSTEM FOR THIS PARCEL.

Did you have any comments on the BAT plan we submitted on 8/5? Thanks, John

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Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, September 14, 2016 9:54 AM
To: 'John Carney'
Subject: RE: Variance Request Approved_13471 Triadelphia Mill road

John:

The first trench is slightly within the well arc. I would pull it down a bit. Also, reposition the d-box in front of trench 1.

Did I send a septic spec sheet to you? I don't see one in the file.

Hank

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To: Oswald, Hank
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Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3

DATE 12/6/61

INDEXED

INDEXED

C. C. Cissel

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS

PHONE

A SEWAGE DISPOSAL SYSTEM LOCATED 1/4 about 1/5 of a mile on Triadelphia Rd. from

Highland Road.

SUBDIVISION

ROAD

LOT

PROPERTY OWNER

Curtis, Thomas C.

ADDRESS

10401 Met. Ave. Kensington

SPECIFICATIONS

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ☒ ABSORBENT SIDE-WALL AREA 375 SQ. FT. below the inlet pipe.

SEPTIC TANK CAPACITY 750 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER Place Dry well about 42 ft. from driveway in the field and about 220 ft. from where the fence joins wooded area.

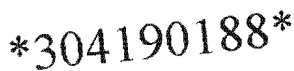
PLANS APPROVED BY D. W. Monaghan DATE 11/9/61

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

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

A 01486

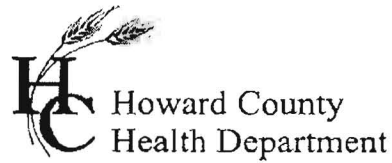
Order: 100-442304 - FREDERICK G. ...



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--- DRIVER ON AT TARE & GROSS ---			
	lb	ton	tne
Gross:	66,900	33.45	30.35
Tare:	28,940	14.47	13.13
Net:	37,960	18.98	17.22
* Predetermined Tare			
PRICE	12.00		227.76
FREIGHT	0.00		0.00
FEE/OTHER			0.00
			13.67
TAX			
TOTAL			241.43

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2.204 623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



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

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

DEMOLITION REQUEST FORM

(Please fill in all blanks)

Information of Property to be Demolished:

DAVID A. CURTIS
Current Owner's Name

13471 Triadelphia Mill Road
Property Address Clarksville Md 21029

WA
Subdivision (if applicable)

Lot #

Thomas C. Curtis
All Prior Owners' Names (if requested or known)

34
Tax Map

213
Parcel #

05347467
Tax ID #

Accessory buildings don't meet setback requirements - buildings no longer being used.
Purpose/Reason for Demolition

This parcel is under contract for sale.
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: Accessory buildings (barn + shed) are not connected to septic and well.
Primary house will not be demolished.

*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:

DAVID A. CURTIS
Applicant's Name (please print)

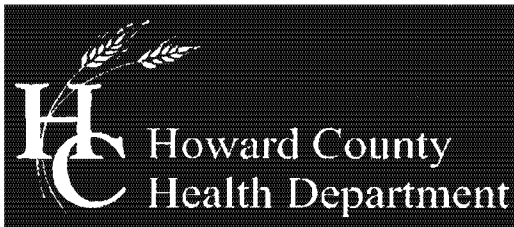
davedc52@comcast.net
Applicant's Email

David A. Curtis
Applicant's Signature

301-704-4923
Applicant's Phone #

410-751-5686 (call first)
Applicant's Fax #

April 7, 2016
Date




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

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

MEMORANDUM

Sent via email to davedc52@comcast.net on 4/11/16

TO: David Curtis

FROM: Ryan Rappaport, LEHS 
Well & Septic Program

DATE: April 11, 2016

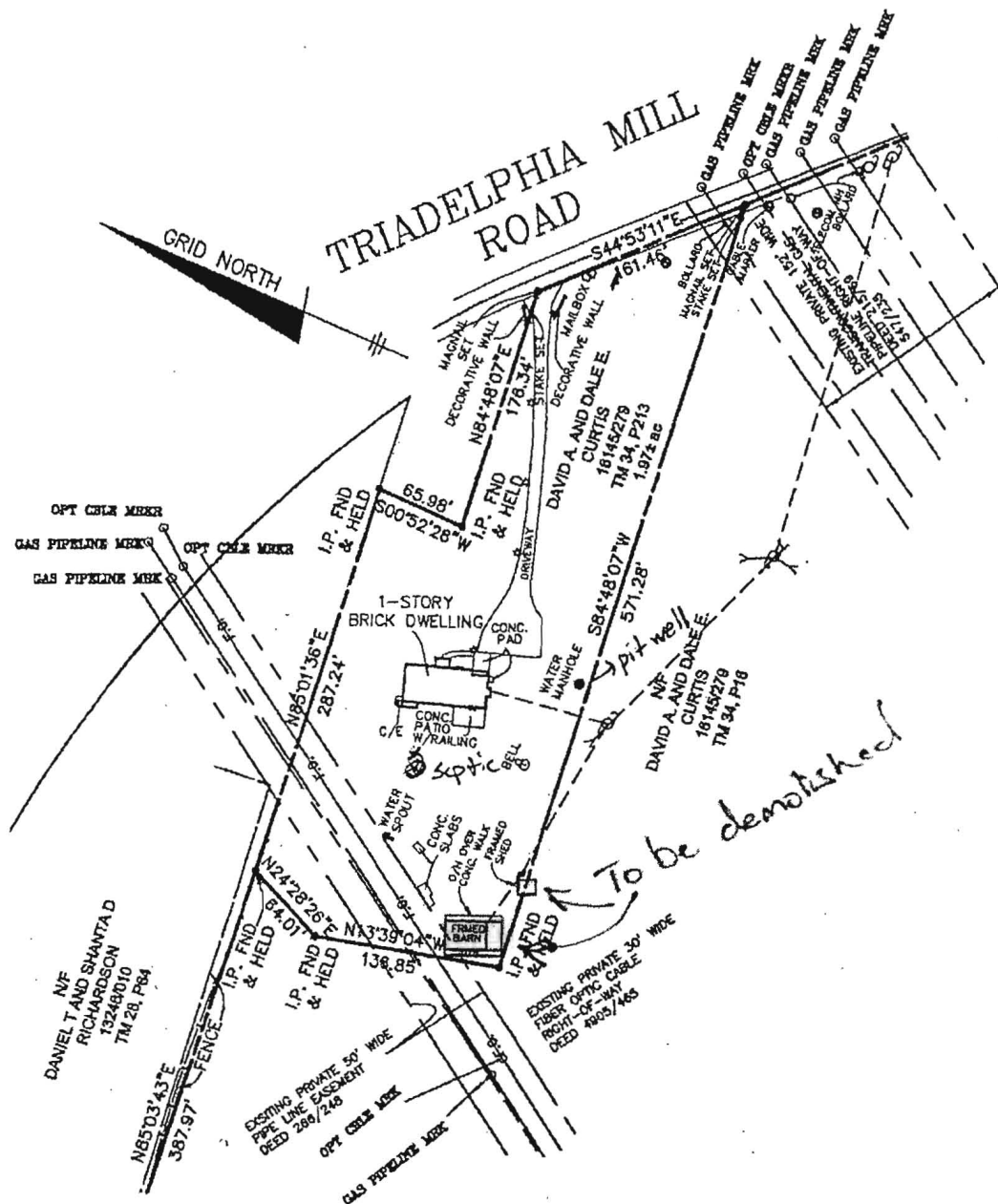
RE: 13471 Triadelphia Mill Rd.
Clarksville, MD. 21029
Map: 34, Grid: 2, Parcel 213
(Demolition of 2 existing accessory buildings – barn & shed)

This is to advise that the Howard County Health Department recommends issuance of the demolition permit for the two accessory buildings at the above referenced property, which include a barn and a shed.

No well or septic system was located during the site visit, which service this barn or shed. There is also no evidence of these structures ever being connected to public water or public sewer. If an existing well is located during the demolition process, it must be sealed and abandoned according to *COMAR 26.04.04.34*. An abandonment report by a MD Licensed Well Driller must be submitted to this office which confirms well abandonment completion. If any septic components are located during the demolition process they must also be properly abandoned.

IF ANY WELL OR SEPTIC COMPONENTS ARE FOUND DURING SITE WORK, YOU MUST NOTIFY THIS OFFICE IMMEDIATELY.

RR
Cc: File



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THESE DOCUMENTS, WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, ALL IN COMPLIANCE WITH REGULATION 09.13.08.12 OF THE CODE OF MARYLAND REGULATIONS, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21320, EXPIRATION DATE 7-7-2014.

Donald A. Mason
 DONALD A. MASON
 PROFESSIONAL LAND SURVEYOR
 MARYLAND REG. NO. 21320

FEMA FIRM No. 24027C013D
 ZONE: X
 DATED: 11/06/13

BENCHMARK
 ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-8105 • fax: 410-465-8644
 www.bel-civilengineering.com

Notes:

- 1.) R&C SET=Rebar with yellow cap stamped "Prop. Cor.-BEI-351"
- 2.) Distances are plot distances, Grid North is the Maryland State plane projection of the North American Datum of 1983 as on Plat#22892.

BOUNDARY DRAWING
 13471 Triadelphia Mill Rd
 Tax Map 34, Parcel 213

Liber 16145, folio 279

5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' DATE: 3/2/2016

FIELD OBS. BY DH
 COMP. BY EWF
 DRAWN BY EWF

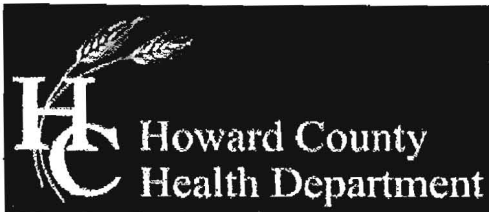
Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

410.313.2648 (Fax)



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

APPLICATION FOR VARIANCE

TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL

Date Submitted

8-5-16

13471 Triadelphia Mill Road, Clarksville, MD 21029

Property Address

Subdivision	Lot	Tax Map	Grid	Parcel	Tax Account #
	34	2	213	05-347467	

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):

Percolation Testing was recently completed with passing test results. The 10,000 sf septic reserve area to replace the existing system is proposed.

The well on 13551 Triadelphia Mill Rd. is below the proposed and existing septic area but on the other side of a swale and over 200' distant.

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Regulation Section

Summary and Explanation

1. 26.04.02.05(B)(2)

The proposed on-site 10,000 sf septic reserve area is located up gradient of the existing well on 13551 Triadelphia Mill Road. The well 220' from the septic area. There is a swale between the septic area and the well. The trenches of the subject property can be located on the far side of the septic area creating additional separation. See exhibit.

2.

Property Owner's Signature

Health Department Use Only

Reviewed by

H. Oswald

HCHD Staff

8/17/16

Date

Recommendation:

☒ Recommended

☐ Not Recommended

HCHD Supervisor

8/17/16

Date

Comments/Conditions:

- BAT unit

Approved by:

Steven R. Krieg, LEHS

MDE Representative

8/18/16

Date

Oswald, Hank

From: John Carney <jcarney@bei-civilengineering.com>
Sent: Friday, September 16, 2016 2:08 PM
To: Oswald, Hank
Subject: RE: Fenlon Property_Perc Cert

Hank, that would be great. That is the intention of the owner. John

From: Oswald, Hank [<mailto:hoswald@howardcountymd.gov>]
Sent: Friday, September 16, 2016 1:30 PM
To: John Carney (jcarney@bei-civilengineering.com) <jcarney@bei-civilengineering.com>
Subject: Fenlon Property_Perc Cert

Hi John:

The plan came back with one comment. The Health Department would like to see a note on the plan that states, "Replacement of the existing septic system to include a BAT unit will be required prior to Health Department approval of the building permit."

With your permission, I can redline all 3 plans and resubmit for signature.

Please let me know.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

BENCHMARK

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

8480 Baltimore National Pike • Suite 315 • Ellicott City, Maryland 21043
410-465-6105 410-465-6644 (Fax)

LETTER OF TRANSMITTAL

TO: Hea/42 Dept

DATE <u>8.5.16</u>	PROJECT No. <u>2777</u>
ATTENTION <u>Hank Oswald</u>	
RE: <u>13471, Philadelphia</u>	
<u>Mill Rd</u>	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items

☐ Photocopies ☒ Prints ☐ Originals ☐ Samples
☐ Specifications ☐ Invoices ☐ Change Order ☐ Other _____

COPIES of	No. of SHEETS	DESCRIPTION
<u>3</u>	<u>1</u>	<u>Variance Request Form</u>
<u>1</u>	<u>1</u>	<u>Exhibit for Variance</u>
<u>3</u>	<u>2</u>	<u>BAT Site Plan, Profile +</u>
		<u>Details</u>

THESE ARE TRANSMITTED as checked below

☐ For Comment ☐ For your use ☒ For Approval
☐ For Review ☐ As requested ☐ Other _____

REMARKS: The owner will drop off the
original variance request.

COPY TO: _____

RECEIVED BY: J. Kemp

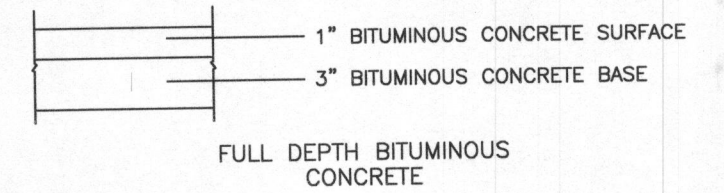
SIGNED: John Arnes

If enclosures are not as noted, kindly notify us at once.

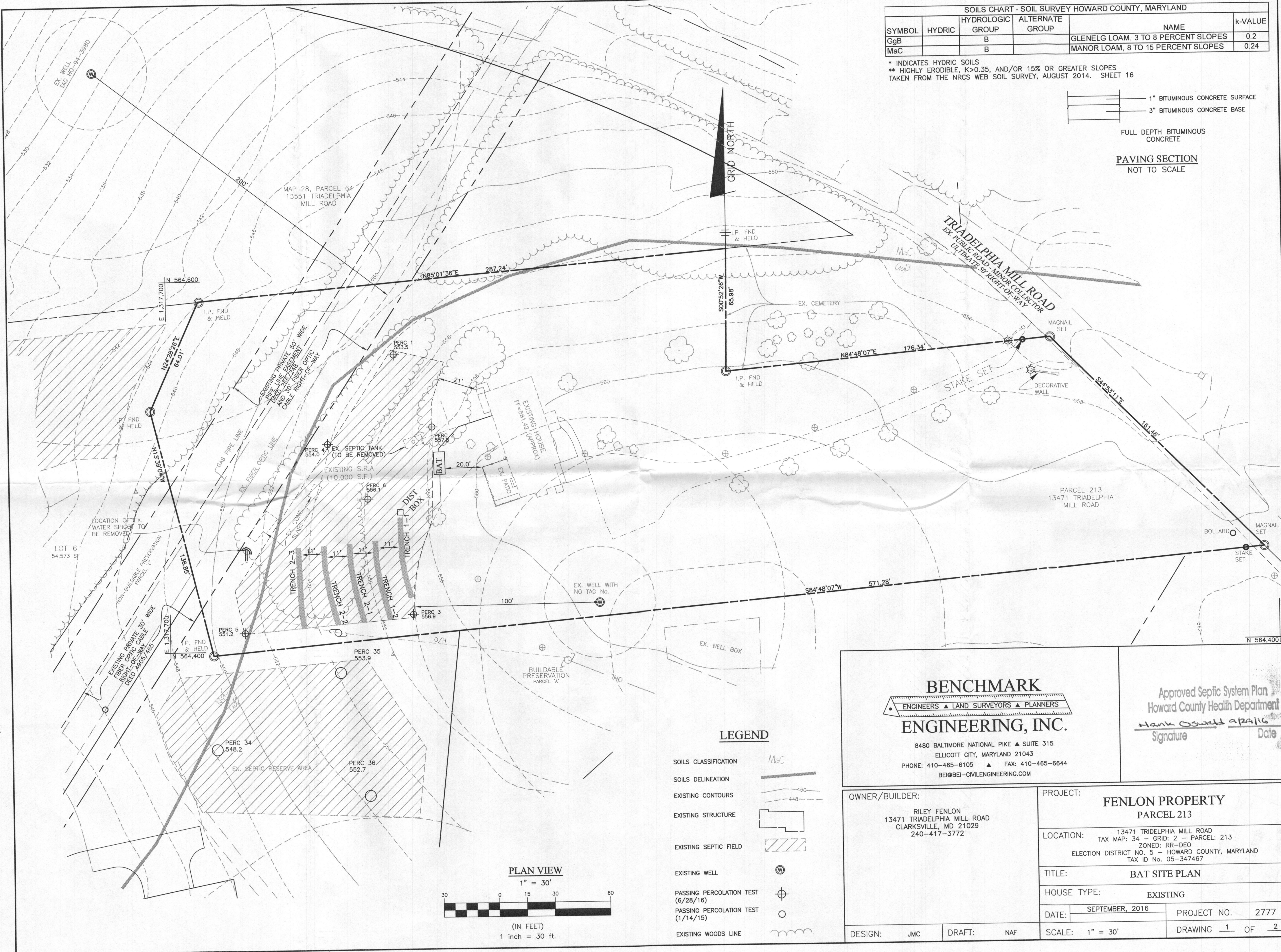


SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND					
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	k-VALUE
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.2
MaC		B		MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.24

* INDICATES HYDRIC SOILS
 ** HIGHLY ERODIBLE, K>0.35, AND/OR 15% OR GREATER SLOPES
 TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2014. SHEET 16



PAVING SECTION
NOT TO SCALE

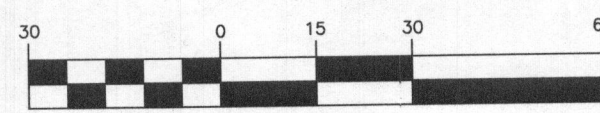


LEGEND

- SOILS CLASSIFICATION MaC
- SOILS DELINEATION [Symbol]
- EXISTING CONTOURS [Symbol]
- EXISTING STRUCTURE [Symbol]
- EXISTING SEPTIC FIELD [Symbol]
- EXISTING WELL [Symbol]
- PASSING PERCOLATION TEST (6/28/16) [Symbol]
- PASSING PERCOLATION TEST (1/14/15) [Symbol]
- EXISTING WOODS LINE [Symbol]

PLAN VIEW

1" = 30'



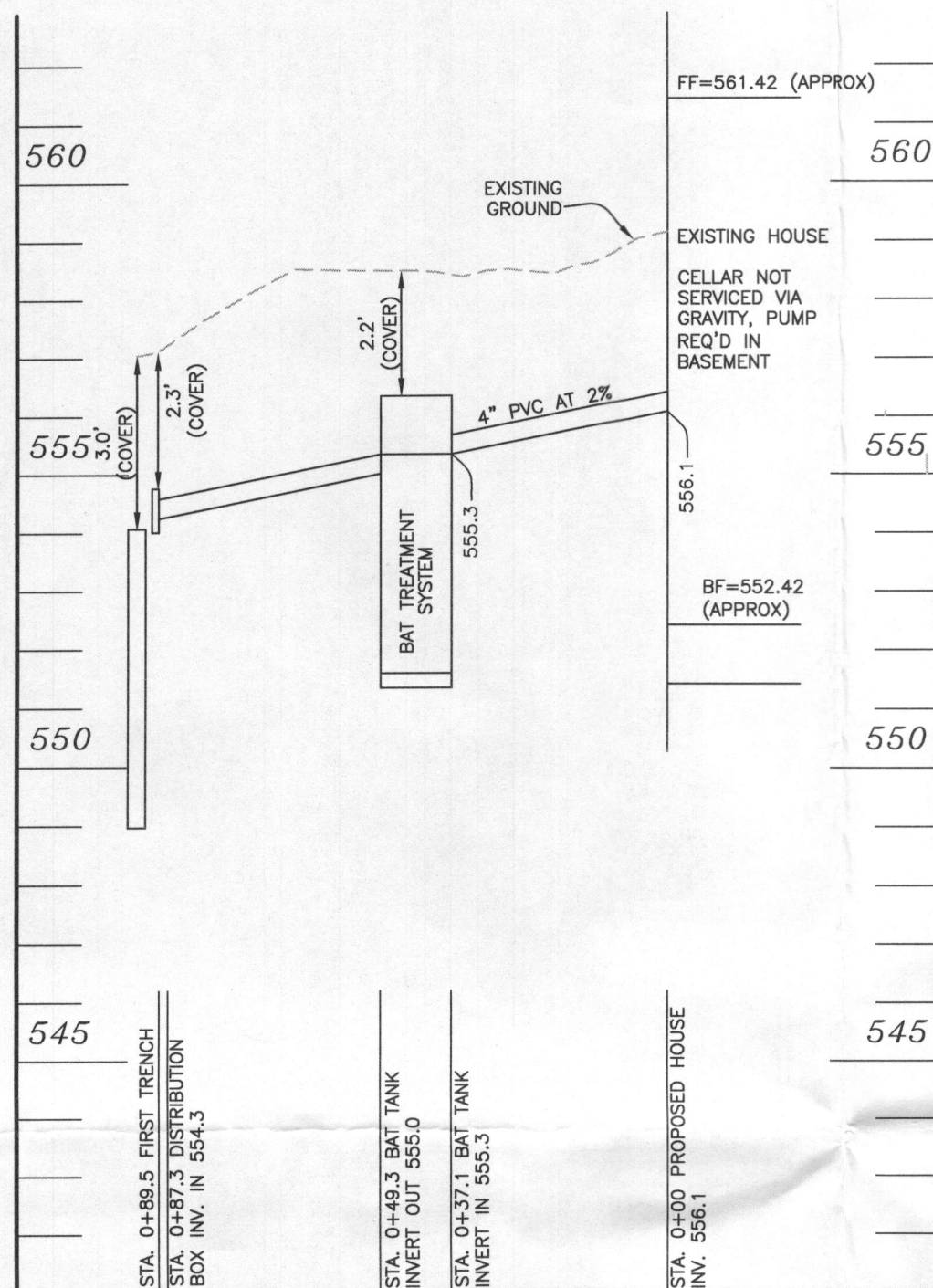
(IN FEET)
1 inch = 30 ft.

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 BEI@BEI-CIVILENGINEERING.COM

Approved Septic System Plan
 Howard County Health Department
Mark Oswald Date

OWNER/BUILDER: RILEY FENLON 13471 TRIADELPHIA MILL ROAD CLARKSVILLE, MD 21029 240-417-3772	PROJECT: FENLON PROPERTY PARCEL 213	
	LOCATION: 13471 TRIADELPHIA MILL ROAD TAX MAP: 34 - GRID: 2 - PARCEL: 213 ZONED: RR-DEO ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND TAX ID No. 05-347467	
	TITLE: BAT SITE PLAN	
	HOUSE TYPE: EXISTING	
DESIGN: JMC DRAFT: NAF	DATE: SEPTEMBER, 2016	PROJECT NO. 2777
	SCALE: 1" = 30'	DRAWING 1 OF 2



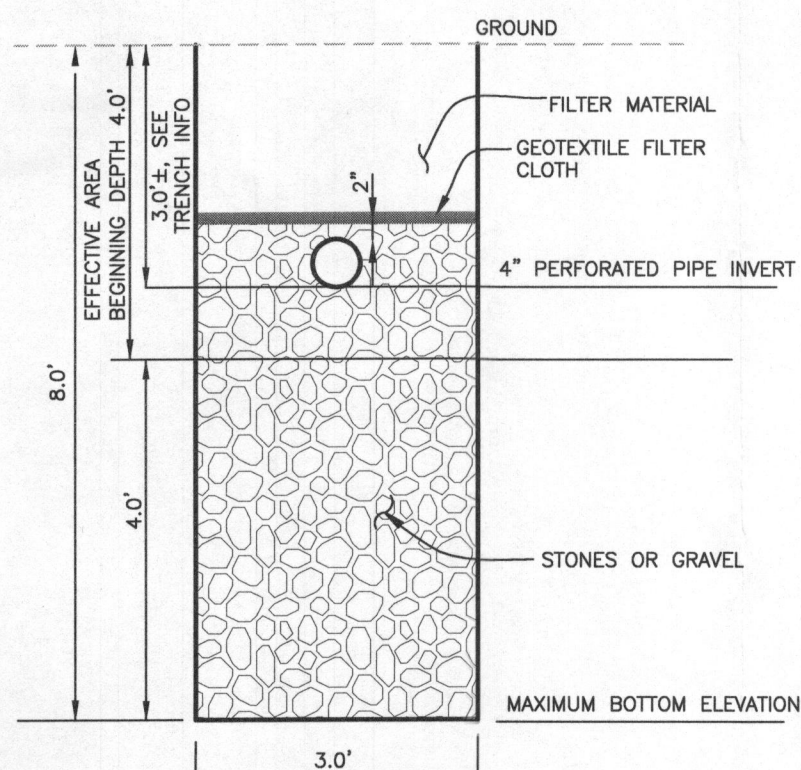
SEWER PROFILE - LOT 16

SCALE: VERTICAL 1"=3', HORIZONTAL 1"=30'

TRENCH INFORMATION

TRENCH 1-1	TRENCH 2-1	TRENCH 2-3
TRENCH LENGTH 43.5 LF	TRENCH LENGTH 43.3 LF	TRENCH LENGTH 43.3 LF
GROUND ELEVATION 557.1	GROUND ELEVATION 555.4	GROUND ELEVATION 553.6
INVERT ELEVATION 554.1	INVERT ELEVATION 552.4	INVERT ELEVATION 550.6
MAX. BOTTOM ELEV. 549.1	MAX. BOTTOM ELEV. 547.4	MAX. BOTTOM ELEV. 545.6

TRENCH 1-2	TRENCH 2-2
TRENCH LENGTH 43.5 LF	TRENCH LENGTH 43.3 LF
GROUND ELEVATION 556.3	GROUND ELEVATION 554.5
INVERT ELEVATION 553.3	INVERT ELEVATION 551.5
MAX. BOTTOM ELEV. 548.3	MAX. BOTTOM ELEV. 546.5



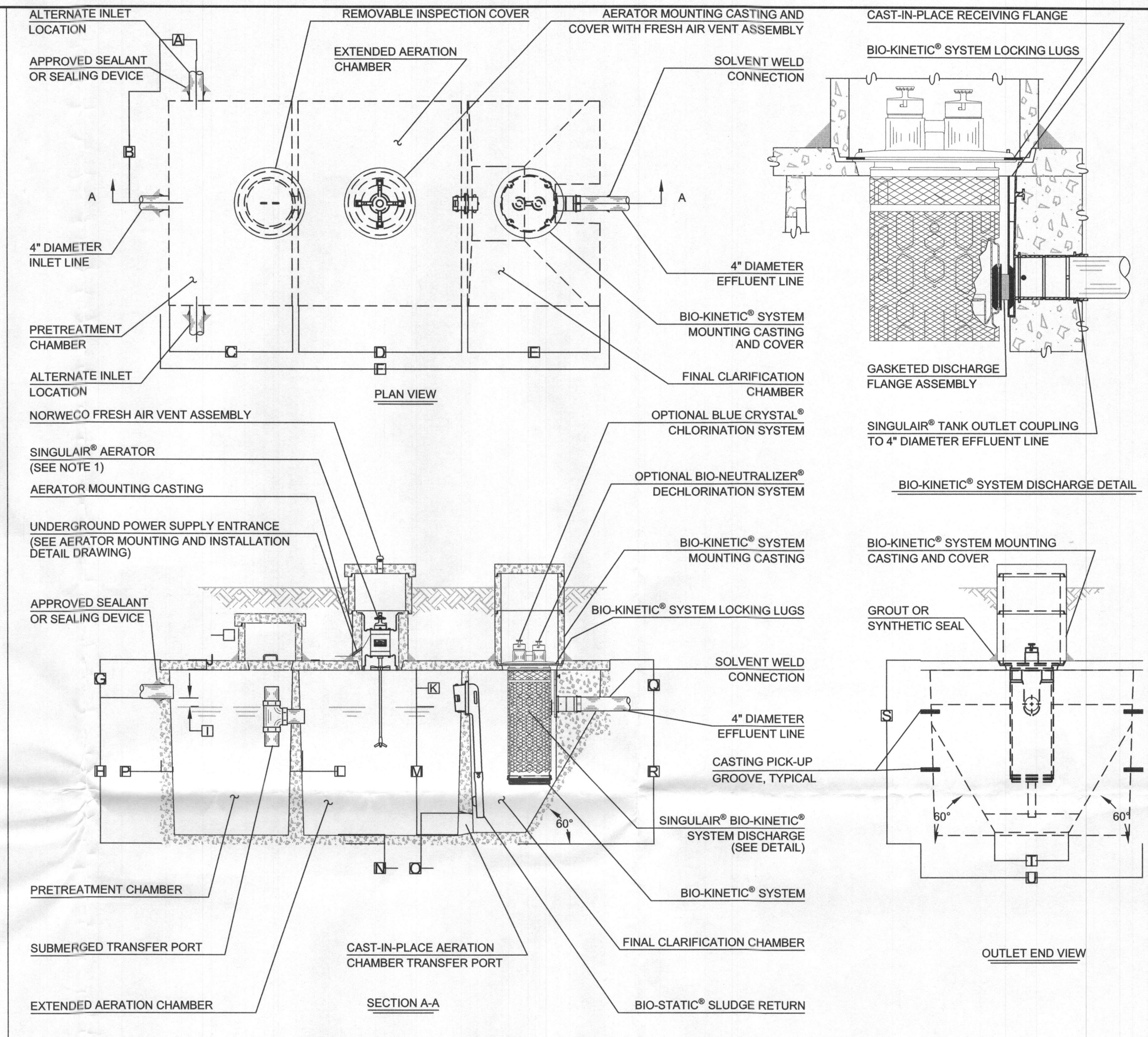
TYPICAL TRENCH DETAIL
NOT TO SCALE

INITIAL SYSTEM			
Number of Bedrooms	5		
Application Rate	1.2	gpd/sf	
Effective Area Beginning Depth	4	ft	
Bottom Max Depth	8	ft	
Design Flow	750	gpd	
Drainage Field square footage	625	sf	
Sidewall reduction credit	0.42		
Trench width	3		
Effective Area Depth	4		
Linear Length of trench Required	87	lf	

1st REPLACEMENT SYSTEM			
Number of Bedrooms	5		
Application Rate	0.8	gpd/sf	
Effective Area Beginning Depth	4	ft	
Bottom Max Depth	8	ft	
Design Flow	750	gpd	
Drainage Field square footage	937.5	sf	
Sidewall reduction credit	0.42		
Trench width	3		
Effective Area Depth	4		
Linear Length of trench Required	130	lf	

CRITICAL DIMENSIONS			
A 1'-0"	N 0'-3"		
B 3'-0"	Q 0'-6"		
C 3'-4"	P 0'-3"		
D 4'-5"	Q 1'-4"		
E 3'-7"	R 3'-8"		
F 12'-2"	S 5'-0"		
G 1'-0"	T 2'-0"		
H 4'-0"	U 6'-0"		
I 0'-3"	V		
J 0'-3"	W		
K 1'-0"	X		
L 0'-2"	Y		
M 3'-6"	Z		

U.S. AND FOREIGN PATENTS PENDING	norweco	DESIGNED BY 3-26-07	REVIEWED BY B
	LOW-PROFILE SINGULAIR® BIO-KINETIC® WASTEWATER TREATMENT SYSTEM MODEL TNTLP-600 GPD	APPROVED BY JMM	BDS
		DATE 10-16-06	
		SCALE NTS	
		PC-5-7091	



NOTES:
TOTAL SYSTEM CAPACITY: 1,300 GALLONS
RATED CAPACITY: 600 GALLONS PER DAY
AND ABLE TO SERVICE UP TO FIVE (5)
BEDROOMS PER MANUFACTURER.

Required BAT Site Plan Notes

- 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 sit plan may be required.
- The maximum depth of the BAT shall be per the manufacturer's specification, 3.0'.
- The blower may not be located further from the tank than the manufacturer's specifications, 75'.
- The BAT system shall be maintained and operated for the life of the system.
- The BAT shall be operated by and maintained by a certified service provider.
- 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.
- Electrical work for the BAT installation must be performed by a licensed electrician.
- An agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.
- The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.

SEE MANUFACTURER SPECIFICATIONS FOR DETAILS. WWW.NORWECO.COM

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BEI@BEI-CIVILENGINEERING.COM

SIGNATURE AND SEAL ARE FOR CULVERT PROFILE ONLY:
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45571, Expiration Date: 6-08-2018.

STATE OF MARYLAND
PROFESSIONAL ENGINEER
No. 45571
9/14/16

OWNER/BUILDER: RILEY FENLON 13471 TRIADELPHIA MILL ROAD CLARKSVILLE, MD 21029 240-417-3772		PROJECT: FENLON PROPERTY PARCEL 213	
LOCATION: 13471 TRIADELPHIA MILL ROAD TAX MAP: 34 - GRID: 2 - PARCEL: 213 ZONED: RR-DEO ELECTION DISTRICT NO. 5 - HOWARD COUNTY, MARYLAND TAX ID NO. 05-347467		TITLE: BAT PROFILE AND DETAIL	
HOUSE TYPE: EXISTING		DATE: SEPTEMBER, 2016	
DESIGN: JMC		PROJECT NO. 2777	
DRAFT: NAF		SCALE: 1" = 30'	
		DRAWING 2 OF 2	