

Bureau of Environmental Health

7178 Gateway Drive (410) 313-2640

Columbia, MD 21046 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: 11/5/2014

ONSITE SEWAGE DISPOSAL SYSTEM

P 555300

INSTALLATION APPROVAL

DATE: 1/9/2015

PERMIT

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	1/1/2013					, ,	
DDODEDTY ADDD		. d	New Con	struction			
SUBDIVISION: _	River Farms			LOT:	11	TAX ID: _	04-331052
CONTRACTOR: Fogles Septic Clean Inc. EMAIL: kevin@foglesinc.com						.com	
CONTRACTOR AD	DRESS: 580 Obrec	nt Road, Syke	esville, MD 21	784		_ PHONE:	410-795-5670
PROPERTY OWNE	R: Deborah Schon	emann		EMAIL:			
OWNER ADDRESS	S: 2516 Daisy Road	Woodbine, I	MD 21797			_ PHONE:	
*			Tr.	•			<u> </u>
SEPTIC TANK SIZE (GALLONS):							
PUMP CHAMBER CAPACITY (GALLONS): STATIC HEAD (FEET):					e e		
						APPLICAT	ION
NUMBER OF BED	ROOMS: 4	НО	USE SQ. FT.	4620		RATE:	1.2
DISTRIBUTION SYSTEM: GRAVITY FED 🖂 LOW PRESSURE DOSED 🗌							
LIN	NEAR FEET REQUIRED:	112′			INL	ET DEPTH:	4
TRENCHES:	TRENCH WIDTH:	2		MAXIMU	м вотто	M DEPTH:	8
1	MINIMUM SPACE BETWEEN TRENCHES:	10		EFFECTIVE AREA	BEGINNII	NG DEPTH:	5
LOCATION:	,			e e			
NOTES:	,						
ISSUED BY: Ro	bert Bricker		ISSUE DATE:	12/10/14	EXPI	RATION DA	TE: 12/10/15

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

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

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE	TRENCH/DRAINFIELD DATA
	WIDTH INLET BOTTOM
	NUMBER OF TRENCHES 2
	TOTAL LENGTH
	ABSORPTION AREA 351
	DISTRIBUTION BOX LEVEL LEVEL EVEL
~88	DISTRIBUTION BOX BAFFLE YES
	DISTRIBUTION BOX PORT YES
	SEPTIC TANK DATA
(315)	SEPTIC TANK DATA SEPTIC TANK 1 LEVEL
331.51	MANUFACTURER Back Tur
5.	CAPACITY Norveco GAL-/300
	SEAM LOC
1581 6 5	TANK LID DEPTH Z BAFFLES OO
591001	BAFFLE FILTER Yes
1 125	MANHOLE LOC FRONT, MID. DEAR
23' 25'	6" PORT LOC COME
14/1 203	WATERTIGHT TEST No
53: 51	SLOTTED Yes
15.5' 53' HO-95-252	DATE ON LID 12-11-14
	PUMP/SEPTIC TANK LEVEL NA
	MANUFACTURER
	CAPACITYGAL
	SEAM LOC
	TANK LID DEPTH
	BAFFLES BAFFLE FILTER
	MANHOLE LOC
	6" PORTLOC
	WATERTIGHT TEST
	SEOTTED
ROAD NAME	DATE ON LID
PRE-CONSTRUCTION:	
1/5/2015 Jank location staked. Det the	dest box near
the tap center of the easement and is	Atall tim 56'
trenches on contour lowards the n	with BD
	2.1-2.1-2.2-2.2-2.2-2.2-2.2-2.2-2.2-2.2-
INSTALLATION: 1/7/15 BAT unit being set Took	not bear 1 Had
As so that tak well the Buther of the	at seen enside
houses good. No finches day. Jenjec 1/8/	15 House connection made.
step at 3.5' piece of pipe. D-box set, first trench dug and	open for inspection, 4.5' to pager
and B' deep at observation pipe. Figle's was digging second	trench at time of visit. So
1/9/2014 System lineshed except for BAT st	art-up approval
from notwer inspector, Requested from	Back-Diver BB
0 0	
FINAL INSPECTOR B. Baker DATE OF APPROVA	L 1/9/2015
I I THE BUILDING TO THE OF MIROVA	

NOT TO SCALE	TRENCH/DRAINFIELD DATA
	WIDTH INLET BOTTOM
	NUMBER OF TRENCHES 2
	TOTAL LENGTH
	ABSORPTION AREA
	DISTRIBUTION BOX LEVEL Leveler'S
~83	DISTRIBUTION BOX BAFFLE YES
	DISTRIBUTION BOX PORT YES
	DISTRIBUTION BOXTORT
60'	SEPTIC TANK DATA
(st sp)	SEPTIC TANK 1 LEVEL
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MANUFACTURER Bak Tuer
55	CAPACITY Norveco GAL
7	SEAM LOC TOP TANK LID DEPTH Z
1 1/8/ / /	BAFFLES 00
	BAFFLE FILTER Yes
42.5	MANHOLE LOC FRONT, MID. REAL
23' 25' 77	6" PORT LOC nane
203	WATERTIGHT TEST
15.51 HO-95-2521	SLOTTED Yes
H0-45	DATE ON LID 12-11-14
	PUMP/SEPTIC TANK LEVEL N/A
<u> </u>	MANUFACTURER
	CAPACITYGAL
• "	SEAM LOC
	BAFFLES
58'	BAFFLE FILTER
591	MANHOLE LOC
	6"PORTLOC
15.5	WATERTIGHT TEST SLOTTED
ROAD NAME	DATE ON LID
10710 1771712	- 102/17/
PRE-CONSTRUCTION:	
1/5/2015 Sank location staked. Det the	dist box near
the top center of the lasement and in	stall two 56
trenches on contourlowards the no	rth (33)
INSTALLATION: 1/7/15 BAT unit being set. Took	to terel Had
to co-sat, tak sure the Button of to	k seen enside.
houses good. No fuches day. 1843c 1/8/19	5 House connection made
step at 3.5' piece of pipe. D-box set, first trench dug and	transle at them of its to
and 8' deep at observation pipe. Figle's was digging second	TENEN AT THE M VIIII SO
1/9/2014	
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FINAL INSPECTOR DATE OF APPROVAL	<u> </u>
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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 2516 Daisy Rd., Woodbine, MD 21797 January 07, 2015 was installed according to the manufacture's specifications.

Installer: Ricky Colson

MATTHEW GECKLE

Vice-President

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

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

LR - Agreement Recording Fee 1x 20.00 20.00 Grantor/Grantee Name: sCHONEMANN Reference/Control #: 191 LR - Agreement Surcharge 40.00 40.00 SubTotal: 60.00 Total: 60.00 REV-Check-BOA 60.00 Number : 3862 10/07/2014 13:35 #3384238 /494/109 CC13-NN



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

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

000191

THIS AGREEMENT is made this day of <u>October</u>, among <u>Deborah Schonemann</u>, 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 2516 Dalsy Road, Woodblne Maryland 21797, in the 4th 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 15629 Folio 080.

W

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.

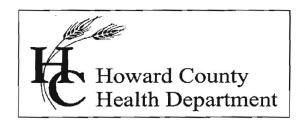
Nulmah Schonemann 10/2/2014
Owner Date Owner Date

DEBORAH SCHONEMANN

Howard County Health Department

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Recording Fee 20.00
Granter/Brante Name:
CRESENANT
Reference/Control 9:
191
LR - Apreement
Surcharge 40.00
SubTotal: 60.00
Total: 60.00
Total: CC13-NN
43364236 CC0503 Howard Co
Columbis/CC05.03.02 -



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045 Main: 410-313-1771 | Fax: 410-313-2846 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., Acting Health Officer

October 27, 2014

To: Stephanie Tuitte, Fisher, Collins & Carter, Inc.

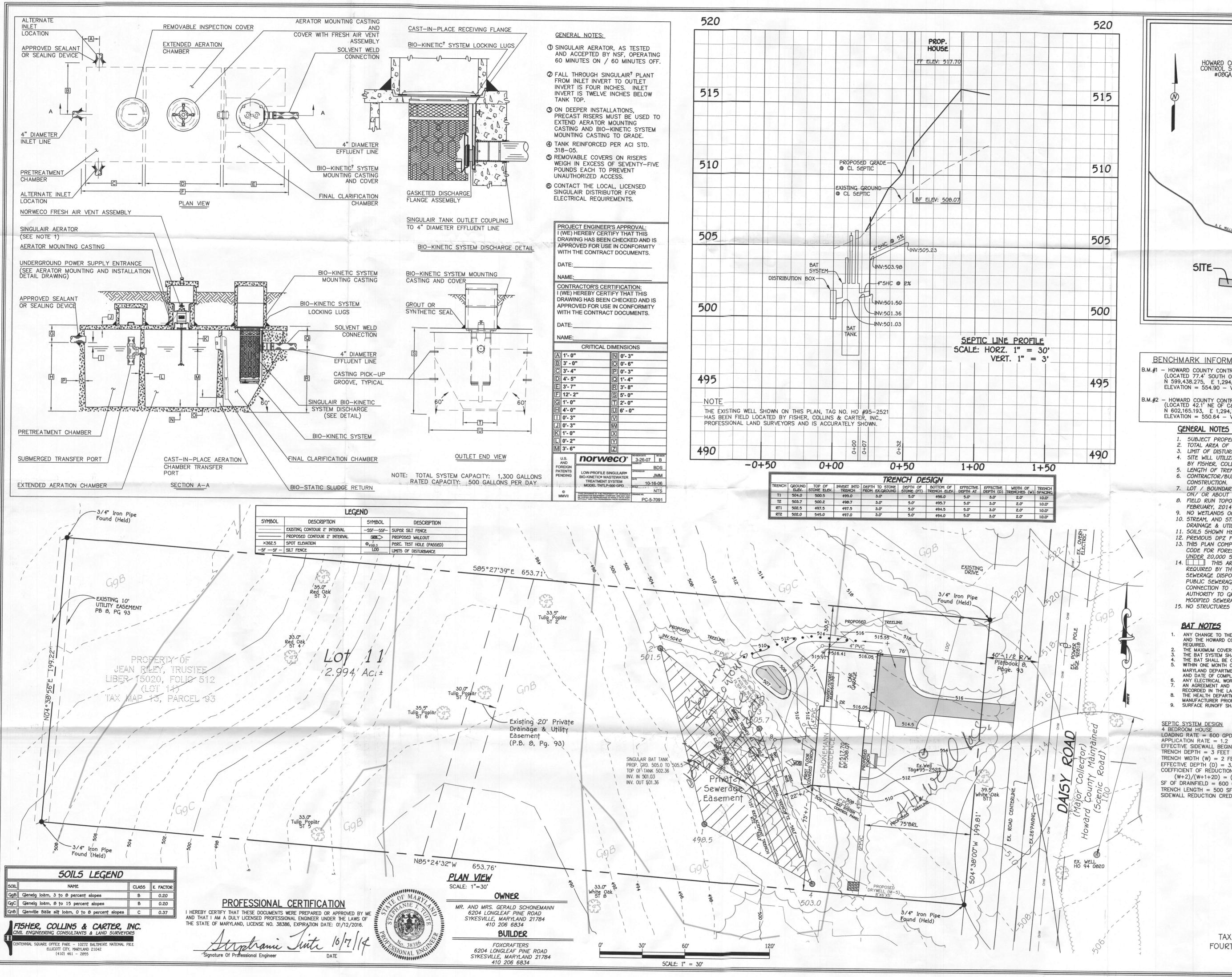
From: Robert Bricker, REHS/R.S., L.E.H.S. Environmental Sanitarian II Well and Septic Program

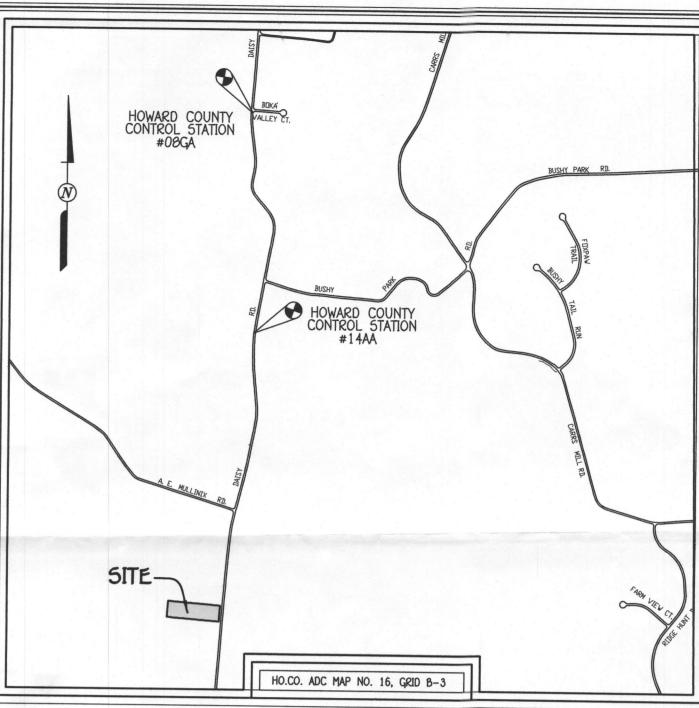
RE: 2651 Daisy Road, BAT Plan comment

Revise BAT Plan as follows:

- 1. Illustrate the Alternate Well locations as shown on the most recently approved percolation certification plan.
- 2. Include the proposed distribution pipe inverts for the initial system trenches. Inverts of distribution pipes for the replacement trenches should also be listed.
- 3. Field-run topography at 1-foot contour intervals is required in the sewage disposal area (SDA) as a relatively deep sunken farm lane transects the SDA. Adjust proposed trench locations accordingly.

Copy: Gerald and Debbie Schonemann, gschon4620@gmail.com file





VICINITY MAP 5CALE: 1" = 1200'

BENCHMARK INFORMATION

B.M.#1 - HOWARD COUNTY CONTROL STATION #14AA - HORIZONTAL - NAD '83) (LOCATED 77.4' SOUTH OF BG&E POLE #377382 & 83.3' SW OF BG&E POLE #272942) 599,438.275, E 1,294,825.928 ELEVATION = 554.90 - VERTICAL - (NAVD '88)

B.M.#2 - HOWARD COUNTY CONTROL STATION #08GA - HORIZONTAL - (NAD '83) (LOCATED 42.1' NE OF C&P POLE #25 AND 16.5' NW OF BG&E POLE #542475) N 602,165.193, E 1,294,794.871 ELEVATION = 550.64 - VERTICAL - (NAVD '88)

- SUBJECT PROPERTY ZONED: RC-DEO TOTAL AREA OF PROPERTY: 2.994 AC.
- LIMIT OF DISTURBANCE: 19,368 5Q.FT. OR 0.44 ACRES±.
- SITE WILL UTILIZE PRIVATE WELL AND SEPTIC. WELL, TAG #952521, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT FEBRUARY 2014.
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE. 6. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY
- CONSTRUCTION. 7. LOT / BOUNDARY OUTLINE BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED
- ON/ OR ABOUT FEBRUARY 2014 BY FISHER, COLLINS AND CARTER, INC. 8. FIELD RUN TOPOGRAPHIC SURVEY CONDUCTED BY FISHER, COLLINS & CARTER,
- FEBRUARY, 2014 AND SUPPLEMENTED WITH HOWARD COUNTY GIS TOPOGRAPHIC INFORMATION. 9. NO WETLANDS OR STEEP SLOPES EXIST ON THIS LOT.
- 10. STREAM, AND STREAM BUFFER EXIST TO THE REAR OF THE PROPERTY. EXISTING 20' PRIVATE DRAINAGE & UTILITY EASEMENT TAKEN FROM PLAT BOOK 8, PAGE 93.
- 11. SOILS SHOWN HEREON ARE BASED ON NRCS WEB SOIL SURVEY
- 12. PREVIOUS DPZ FILE Nos.: PB 8, PG 93. 13. THIS PLAN COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY
- CODE FOR FOREST CONSERVATION BY EXECUTION OF A DECLARATION OF INTENT FOR CLEARING UNDER 20,000 SQUARE FEET FOR FOREST, 19,360 SQUARE FEET, IS PROPOSED TO BE CLEARED. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL
- SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE
- AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY. 15. NO STRUCTURES EXIST ON THIS PROPERTY.

- 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
- THE MAXIMUM COVER OVER THE BAT SHALL BE 3 FEET.

 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
- 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.

 ANY ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN. AN AGREEMENT AND EASEMENT HAS BEEN COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, LIBER , FOLIO

 THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START—UP CERTIFICATION FROM THE MANUFACTURED DRIOR TO SIMAL ADDROVAL OF THE INSTALLATION.
- MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

 9. SURFACE RUNOFF SHALL BE DIRECTED AROUND THE BAT TANK.

SEPTIC SYSTEM DESIGN 4 BEDROOM HOUSE LOADING RATE = 600 GPD

APPLICATION RATE = 1.2 EFFECTIVE SIDEWALL BEGINS AT 5.0 FEET TRENCH DEPTH = 3 FEET TRENCH WIDTH (W) = 2 FEET EFFECTIVE DEPTH (D) = 3.0 FEET COEFFICIENT OF REDUCTION OF TRENCH LENGTH =

(W+2)/(W+1+2D) = (2+2)/2+1+(2x3)) = 0.44SF OF DRAINFIELD = 600 GPD / 1.2 = 500 SF TRENCH LENGTH = 500 SF / 2 = 250 FEET SIDEWALL REDUCTION CREDIT = 250 X 0.44 = 111.11 LF

BSE = 508.07INV. OUT OF HOUSE = 505.23 TOP OF BAT TANK = 502.36COVER OVER BAT TANK = 3 FT TO 4 FT INVERT INTO BAT TANK = 501.36 INVERT OUT OF BAT TANK = 501.03 INVERT INTO DISTRIBUTION BOX = 500.94 INVERT OUT OF DISTRIBUTION BOX = 500.44

Trench Inverts

SEPTIC SYSTEM ELEVATIONS FFE = 517.70

BAT SITE PLAN FOR BAT INSTALLATION

RIVER FARMS INC.

SECTION 1 LOT 11 2516 DAISY ROAD,

WOODBINE MARYLAND. 21719 (PLAT BOOK 8, PAGE 93) ZONED RC-DEO

TAX MAP No. 13 GRID No. 12 PARCEL Nos. 93 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: OCTOBER 8, 2014

SHEET 1 OF 1