

LAYOUT 6/28/12
INSP 1 6/29/12 INSP 3 _____
INSP 2 6/29/12 INSP 5 _____

ISSUE DATE: 6-28-12

APPROVAL DATE:

9/4/12

PERMIT

SHARED SEPTIC SYSTEM

P _____
A _____

Tax ID # 05-445523
HOUSE SEWER LINE CONNECTION

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

Richard Knight Construction IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: 443-421-0331

SUBDIVISION Fulton Ridge LOT NUMBER: 12

ADDRESS: 12118 Fulton Ridge Drive PROPERTY OWNER: Shai and Wendy Peer

NUMBER OF BEDROOMS: 4

HOUSE SERVED BY PUBLIC WATER? NO

microfast .75

LOCATION:	Install 4" house sewer line connection per the approved site plan.
NOTES:	This permit is limited to the installation of the individual house sewer line connection and installation of the grinder pump, if applicable. The Howard County Bureau of Utilities must be contacted for scheduling of inspection of these items as well, at 410-313-4900.

PLANS APPROVED: Dana Bernard DATE: 6/27/11

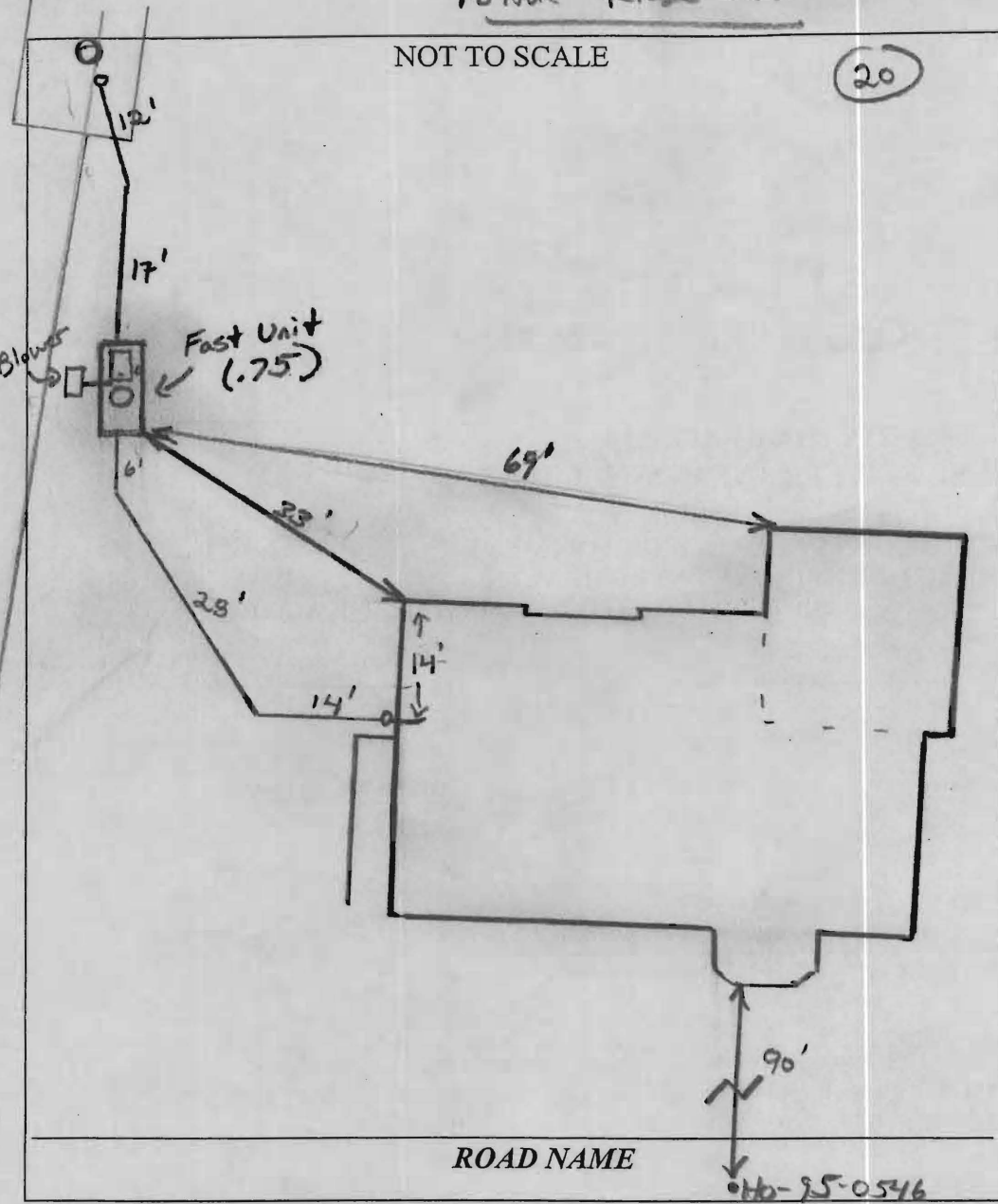
PERMIT VOID AFTER 2 YEARS

1. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS.
2. ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED.
3. MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED.
4. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT.
5. NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
6. PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 FOR INSPECTION HOUSE CONNECTION

NOT TO SCALE

20



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	Microfast
CAPACITY	.75 GAL
SEAM LOC	Top
TANK LID DEPTH	2.5'
BAFFLES	Front
BAFFLE FILTER	_____
MANHOLE LOC	Center
6" PORT LOC	Rear/Side
WATERTIGHT TEST	_____
SLOTTED	Yes
DATE ON LID	_____
PUMP/SEPTIC TANK LEVEL <u>no</u>	
MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____

PRE-CONSTRUCTION:

6/28/12 Phone call to contractor, Insp. called on but permit
 never picked up or issued. (KID)
 6/28/12 owner came into pick up permit.

INSTALLATION:

6/29/12 (1pm) 4" gravity line installed to tank. Microfast
 .75 unit installed. Blower to be set next to unit up gradient of
 unit. Electric and alarm close corner of house. (KID)
 6/29/12 (2pm) 4" sch 40 connection made from unit to
 grinder pump. Recorder installed. Need pump/alarm test of
 6" Fast unit and grinder pump. (KID)
 9/4/12 Fast unit start-up approval received from Freeman. JW

FINAL INSPECTOR [Signature] DATE OF APPROVAL 9/4/12

NOTES:

- 1. ACCURACY OF BUILDING MEASUREMENTS: 0.1'
- 2. ACCURACY OF SETBACK DIMENSIONS: 0.1'
- 3. ACCURACY OF BUILDING ELEVATIONS: 0.1'
- 4. THE PROPERTY SHOWN HEREON LIES IN ZONE "C" AS SHOWN ON FLOOD INSURANCE RATE MAP NO: 240044 0038 B DATED: DECEMBER 4, 1986

OK TO SCAN

Permit/Lic # B-11001810

Title Wall Check

By [Signature]

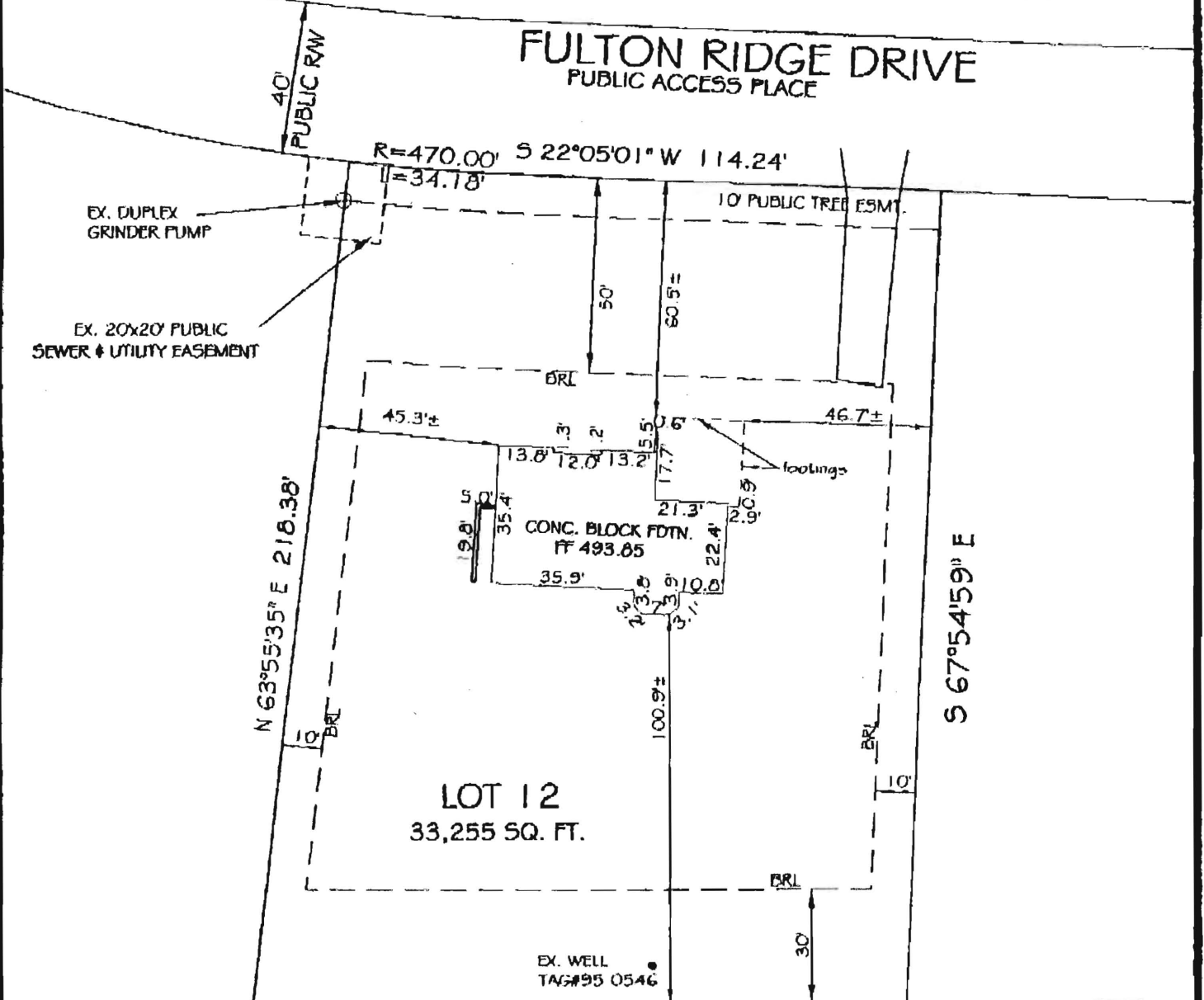
Date 5/1/12

Scanned by [Signature]

Wall check
OK 6-28-12
HS



FULTON RIDGE DRIVE
PUBLIC ACCESS PLACE



NON-BUILDABLE
PRESERVATION PARCEL C

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER, FINANCING OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. IT DOES NOT PROVIDE ACCURATE IDENTIFICATION OF PROPERTY LINES; SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR TITLE TRANSFER, FINANCING, OR REFINANCING. IT WAS PREPARED UNDER PROFESSIONAL SUPERVISION IN ACCORDANCE WITH SEC. 16.13.06.06 OF THE ANNOTATED CODE OF MD.

SHANABERGER & LANE
 6726 TOWN AND COUNTRY BLVD., SUITE 201
 ELICOTT CITY, MD. 21043
 (410)461-9563 FAX: (410)461-9698



FOUNDATION LOCATION DRAWING
LOT 13
FULTON RIDGE
 PLAT #18906
 DEED REFERENCE: 11946/465
 TAX MAP 41 GRID 13 PARCEL 506
 5TH ELECTION DISTRICT HOWARD COUNTY, MD
 SCALE: 1"=40' DATE: SEPTEMBER 9, 2011
 DATE OF LATEST FIELD WORK: 9/9/2011

Baker, Brian

From: Pickett, Tom
Sent: Tuesday, August 14, 2012 2:02 PM
To: Day, Lori
Cc: Pickett, Tom; Hart, Amy; Rocco, Anthony; Baker, Brian; Wolf, Kevin; Martin, Sharhonda
Subject: FW: U&O Release 12118 Fulton Ridge

From: Pickett, Tom
Sent: Tuesday, August 14, 2012 1:43 PM
To: Day, Lori; Wolf, Kevin
Cc: Pickett, Tom; Hart, Amy; Rocco, Anthony; Baker, Brian; Wolf, Kevin; Martin, Sharhonda
Subject: FW: U&O Release 12118 Fulton Ridge

From: Pickett, Tom
Sent: Tuesday, August 14, 2012 1:53 PM
To: Day, Lori
Cc: Pickett, Tom; Hart, Amy; Rocco, Anthony; Baker, Brian; Wolf, Kevin; Martin, Sharhonda; Williams,
Subject: FW: U&O Release 12118 Fulton Ridge, Scaggsville

From: Pickett, Tom
Sent Tuesday, August 14, 2012 1:49 PM
To: Day, Lori; Scott, Heidi
Cc: Pickett, Tom; Hart, Amy; Rocco, Anthony; Baker, Brian; Wolf, Kevin; Martin, Sharhonda; Tuder, Matt; Williams, Jeffrey;
Subject: FW: U&O Release 12118 Fulton Ridge
Dr

S Vanderveer observed start-up of a Sewage

Grinder Pump at the Fulton Ridge Shared Septic System:

Fulton Ridge, Contract 50-4293-D
Richard Knight Builders, Lot #12
12118
Scaggsville, MD 21737

The Sewage Grinder Pump test was successful ; the Bureau of Utilities releases its hold on this property for U&O.

This is the 4th lot and the last on the shared septic system at this location.

Matt
410-313-4934 office
410-978-1320 mobile

From: Tuder, Matt
Sent: Monday, April 02, 2012 2:53 PM
To: Scott, Heidi; Harris, Leslie



Freemire & Associates, Inc.

Manufacturers' Representative

Bio-Microbics Start-Up & Product Registration

Owner	Richard Knight	Installer	Knights Const.	Consult Engineer	
Owner's Name		Name (Person)	Richard	Phone #	
Lot #		Phone #	443-421-0331	Fax #	
Address (City, State & Zip)	12118 Fulton Ridge Pr. Clarksville Mo. 21029	Address (City, State & Zip)		Original Purchaser from Freemire	Knights Const.
County	Howard Co.	Fax #		Order #	120/214

The Unit is installed per Manufacturers Instruction? Yes No

Date of Inspection: 14 Aug. 12 Date Shipped to User: 5/8/12 Serial #: MCF07532-120

In addition to proper installation, I have specifically verified that the following tasks are complete: 0.75

ELECTRICAL PANEL(S)

- Proper voltage to electrical panel(s), mounted correct & secure
- Visual alarm operating
- Audio alarm operating (if present)

BLOWERS

- Wired for correct voltage
- Inlet/Outlet piped correctly
- Filter element installed
- Blower hood secure
- Blower works correctly
- Blower located within 100 feet of treatment unit
- Air line clean
- Air inlet screen clear
- Blower hood vents clear

TREATMENT UNIT(S)

- Clean outs to grade and accessible
- Air vent clear
- Septic tank is level & will drain properly
- Septic tank meets minimum size
- Septic tank filled to operating level with water
- Air lift operation
- Recirculation tube in place
- Fasteners tight

Comments: _____

Start-Up Scheduled for: <u>14 Aug 2012</u>	Restart Date:	Restart Paid: <input type="checkbox"/> Yes <input type="checkbox"/> No
Your Signature: <u>[Signature]</u>	Title: <u>SERVICE TECHNICIAN</u>	
Print Name: <u>Steven J Tasker</u>	Date: <u>8/14/12</u>	

SEND TO: MDE DNREC BIOMICROBICS

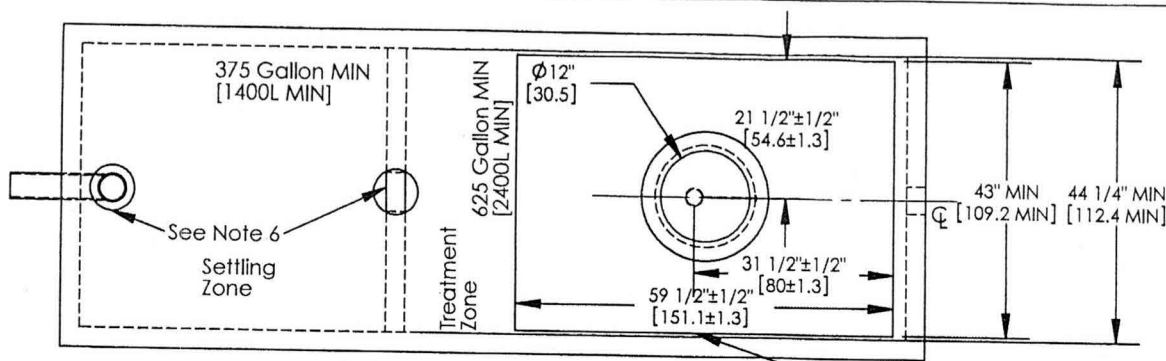
1215 Old Dorsey Road • Harmans MD 21077 • (410) 768-8500 • Fax: (410) 768-3400

Bio-T

Circuit Court for
HOWARD COUNTY
Clerk of the Court,
MARGARET D. RAPPAPORT
8360 COURT AVENUE
ELLICOTT CITY, MD 21043-
(410) 313-2111

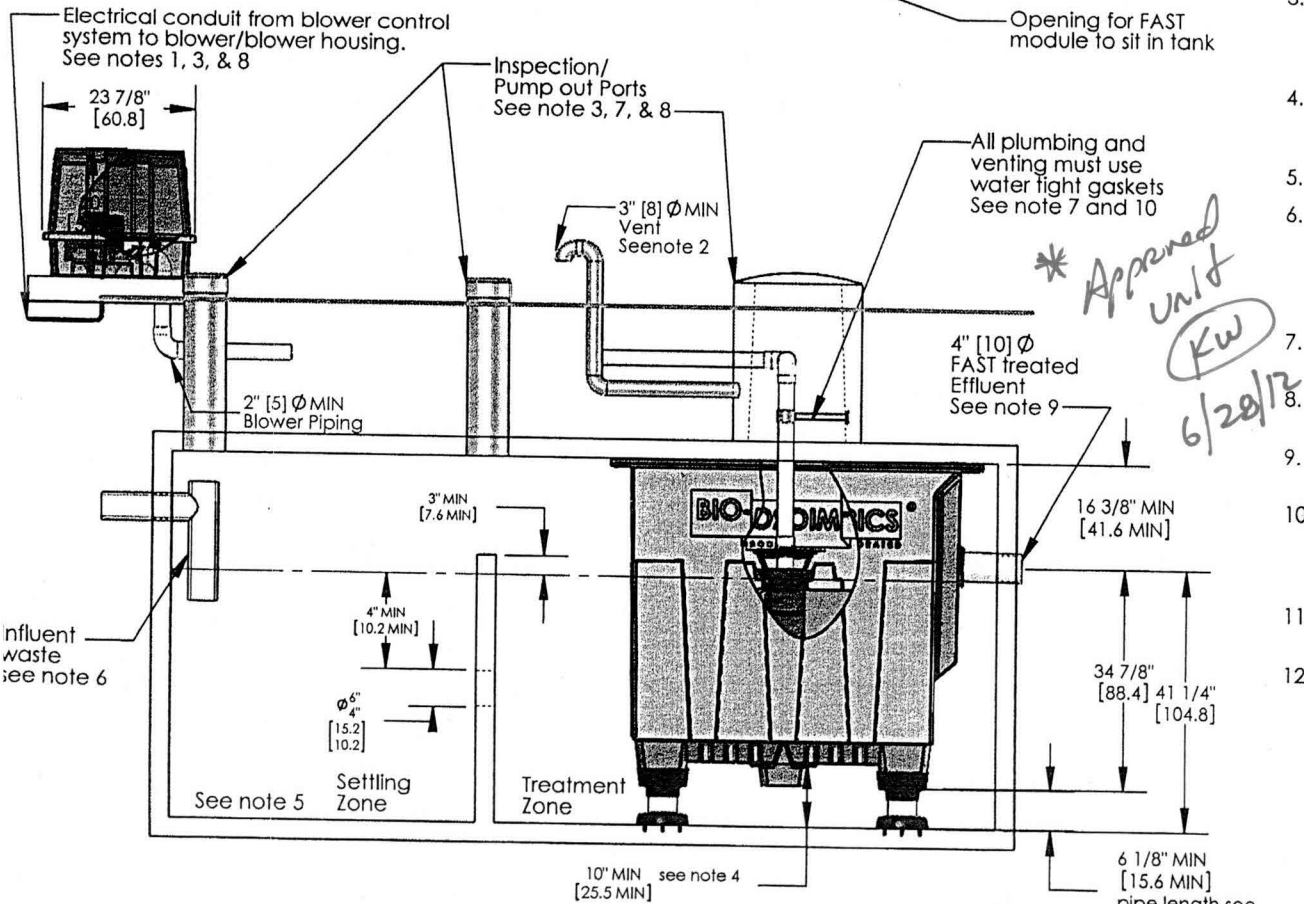
Transaction Block:	123
Ref: 185	
IISC	AMOUNT
IMP FD SURE \$5	40.00
RECORDING FEE \$20.00	20.00
SUBTOTAL:	60.00
TOTAL CHARGES:	60.00
PAYMENTS	
CASH	60.00
TOTAL TENDERED:	60.00

Cashier: VLB Reg # H008
Rcpt # 71255
Date: Sep 04, 2012 Time: 11:35 am



NOTES

- Blower piping to FAST® may not exceed 100 FT [30.5m] total length and use a maximum of 4 elbows in the piping system (@ 100FT [30m]). For distances greater than 100 FT [30m] consult factory. Blower must be located above flood levels on a concrete base 24" X 18" X 1" [61 X 45.7 X 2.6cm] min.
- Vent to be located above finish grade or higher to avoid infiltration. Cap with a vent grate with at least 7.1 sq in. [45.8 sq. cm] open surface area. Secure with stainless steel screws (see sheet 4 of 4 MicroFAST® 0.75 Details).
or
Run Vent to desired location and cover opening with a vent grate with at least 7.1 sq in. [45.8 sq. cm] open surface area. Secure with stainless steel screws. Vent piping must not allow excess moisture build up or back pressure.
- All appurtenances to FAST® (e.g. tank pump outs, etc.) must conform to all applicable country, state, province, and local plumbing and electrical codes. Blower control system by Bio-Microbics, Inc.
- Tank volume must be increased by 20% if minimum of 10 inches [25.5cm] is used between the unit and the base of tank. Consult factory for approval.
- The primary compartment may be a separate tank.
- Either the influent pipe tee shall be fitted with a pipe cap or the baffle separating the two zones shall be extended all the way to the top of the tank. If choosing to use the pipe cap, then the baffle shall be at least 3" [8cm] higher than the water level as shown on the drawing.
- All inspection, viewing and pump out ports must be secured to prevent accidental or unauthorized access.
- Tank, piping, conduit, blower housing pad and vents are provided by others.
- All piping and ancillary equipment installed after FAST must not impede or restrict free flow of effluent.
- The air supply line into the FAST® unit must be secured to prevent vibration induced damage. The air supply line should be secured with a non-corrosive clamp every 2' min [5cm]. See Alternate air supply option on sheet 4 of 4 MicroFAST® 0.75
- Min height may be reduced, consult factory and reference "Short-FAST-Module-Procedure.pdf"
- Refer to sheet 4 of 4 MicroFAST® 0.75 Details drawing for leg extensions requirements.



DO NOT SCALE
UNLESS NOTED
DIMENSIONS
ARE IN INCHES
[CENTIMETERS]
TOLERANCES
± 0.02 IN/IN
[± 0.05 CM/CM]



MicroFAST 0.75 FAST Unit

WEIGHT	lb	SIZE	DRAWING NUMBER
NAME	DATE	A	MicroFAST® 0.75 with feet
DRAWN	CIC	12/18/2006	
CHECKED	PF	7/22/2008	REVISED Tuesday, July 22, 2008
			REV. INI-02-E

SHEET 2 OF 4

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This configuration approved for use in Filter Pilot Cell Lines



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

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

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

THIS AGREEMENT is made this 5th day of Aug, among Wendy Peer, 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 12118 Fulton Ridge Drive, Fulton, MD 20759, in the 5th 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 13264 Folio 443.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system, but an advanced pre-treatment system must be installed as part of the sewage disposal system for a 5 bedroom home with 4000 square feet of finished living space and 2000 square feet of unfinished living space. This lot is connected to the shared sewage disposal system. Advanced pre-treatment has been required in order to reduce nitrogen levels based on a nitrogen study completed for the Fulton Ridge subdivision.

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.

<u>Wendy Peen</u>	<u>8-5-12</u>	_____	_____
Owner	Date	Owner	Date

Andyson for Peter Beilenson 8/4/2012
Howard County Health Department
Peter L. Beilenson, M.D., M.P.H., Health Officer



Howard County
Health Department

Bureau of Environmental Health
7178 Columbia 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

Penny E. Borenstein, M.D., M.P.H., Health Officer

Friday, December 08, 2006

Scan with On-site Sewage Disposal
Installation Permits for these lots

MEMORANDUM

To: FILE

From: Stuart F. Oster
Well and Septic Program

Re: Wells

1. At WPI, look closely at the grout below the pitless. The Completion reports seem to indicate that the grout may be short. The well driller indicated that the side wall of the holes was caving and this caused the shortage.
2. Yield and grouts were not called in (except for 14).
3. Wells are in Radium testing area. May need retests for ICOP.

*Done
see letter*