

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE:

5/27/10

PERMIT HOOT H-600

P 533235

APPROVAL DATE:

BNR SEPTIC SYSTEM

A 530311

Tax ID # 032949000

ON-SITE SEWAGE DISPOSAL SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

Fogle's Septic Clean Inc.

IS PERMITTED TO

INSTALL ALTER

ADDRESS:

580 Obrecht Road, Sykesville Maryland 21784

PHONE NUMBER:

410-795-5670

SUBDIVISION:

Indian Hill

LOT NUMBER:

7

ADDRESS:

12545 Indian Hill Drive

PROPERTY OWNER:

William Davidson

SEPTIC TANK CAPACITY (GALLONS):

2000

OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS):

750

COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS:

3

APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE:

3700

LINEAR FEET OF TRENCH REQUIRED:

105

TRENCHES:	Trenches to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade with 2.0 feet of stone below distribution pipe.
LOCATION:	Set pretreatment unit per plan submitted by contractor and approved by Health Dept. Set d box at uppermost location of septic easement that is 50' wide. Install 1x50' and 1x55' trenches in upper part of septic easement.
NOTES:	A test of the blower, alarm, sensors in pump chamber, and the unit itself is required. Install Hoot system unit per manufacturer's instructions. A variance was approved to allow the tank depth to be a maximum of 5' deep. Do not order the septic tank until after layout inspection and Sanitarian approval. Stake easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

Note: * Certification start – up letter from manufacturer needs to be sent into Health Depart. Prior to septic system approval. *****

PLANS APPROVED:

Robert Bricker

DATE:

5/12/10

NOTE: PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

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

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

NEITHER THE HOWARD COUNTY COUNCIL OR 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 FOR INSPECTION OF SEPTIC SYSTEM

NOT TO SCALE

See As-Built Drawing
On Separate Sheet

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	4'
NUMBER OF TRENCHES		2
TOTAL LENGTH		107'
ABSORPTION AREA		?
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes
 MANUFACTURER Mayer Bros
 CAPACITY 2000 GAL
 SEAM LOC TOP
 TANK LID DEPTH 1.5'
 BAFFLES Yes
 BAFFLE FILTER No
 MANHOLE LOC Front+Rear
 6" PORT LOC None
 WATERTIGHT TEST No
 SLOTTED No

PUMP/SEPTIC TANK LEVEL NA

MANUFACTURER _____
 CAPACITY _____ GAL
 SEAM LOC Rear 750
 TANK LID DEPTH gallon
 BAFFLES _____
 BAFFLE FILTER Compartment
 MANHOLE LOC of Hoot
 6" PORT LOC _____
 WATERTIGHT TEST Tank
 SLOTTED _____

PRE-CONSTRUCTION

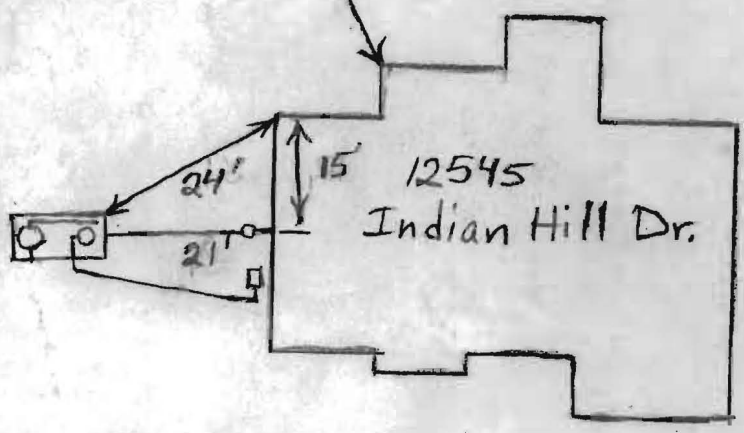
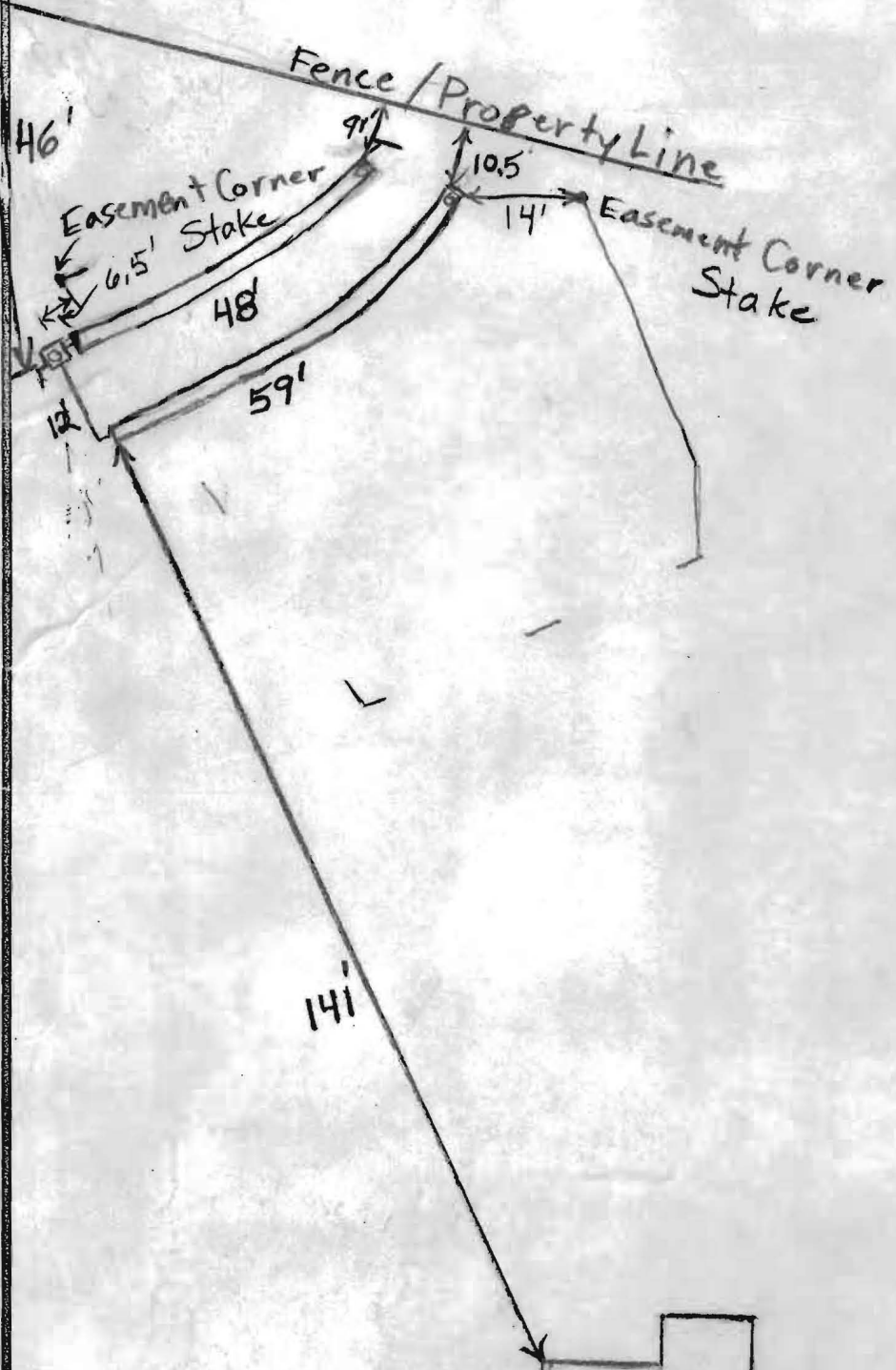
6/2/2010. Install 2 trenches on contour in highest part of septic easement. Place

tank near where shown on plan. (BB)

INSTALLATION: 6/9/2010 Tank set. House connection made. Trenches done. Need to install pump line and wire up hoot unit. Some water in the bottom of the tank hole. The soil that came out of the trenches didn't look very good. There were only a few areas that had a saC/Loam-sa Loam consistency. Everything else was worse. (BB)
7/8/10 Re-circulation working.

FINAL INSPECTOR K. Vary DATE OF APPROVAL 7/8/10

Property Corner Stake



NOT TO SCALE

1" = 50' ~ 25' 1/4"

NOT TO SCALE

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
9/15	Wall check must have well location (by <u>survey</u>), and tag#. Reject if it doesn't. RB
10/7/9	Pretreatment detail & Installation plan required prior to Septic Installation permit release. Permit may need to be re-typed (trench design) OK RB
5/4	Curt Kassel * - Hoot system to be installed Billie Davidson - Wallcheck includes well location she will drop off copy of <u>O&M</u> that has Land records stamp.
5/12	Billie Davidson delivers wall check and 'stamped' O&M agreement



INDIAN HILL DRIVE

Wall sheet OK 5/12/2010

EX. MAC. PAVING

EX. 60' RW
PLAT 13, FOLIO 90

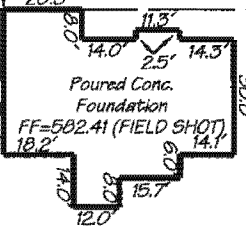
N 78°21'27" W

946.09'

200.00'

75.0'

BUILDING RESTRICTION LINE



LOT 4
13/90

S 11°38'33" W 250.38'

70.0'

#12545 Indian Hill Drive
Lot 7 - Block A - Plat 13/90
Deed Ref. 11974/327

LOT 8
13/90

N 11°38'33" E 299.55'

For Title see: Deed dated July 10, 2009 between Ronald L. Phillips, et al and William A. Davidson, et al, recorded among the Land Records of Howard County, Maryland in Liber 11974 folio 327.

Reference: Plat entitled "FINAL SUBDIVISION PLAT SECTION II EXTENSION OF INDIAN HILL" dated February 22, 1968, recorded among the Land Records of Howard County, Maryland in Plat Book 13 Folio 90.

WELL (FIELD LOCATED)
Metal Tag: HO-95-1796
Utility Easement - 13/90



S 64°32'46" E 205.95'

LOT 6
13/90

This is to certify that we have made a foundation location and same is situate as shown hereon.

Survey Services of MD., LLC
By: Robert W. Matis, RLS 605
REVISED: 4/30/10 (ADDED FF & WELL LO)



Foundation Location

✓ #12545 Indian Hill Drive
Lot 7 - Block A - Plat 13/90

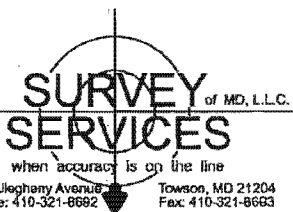
Howard County, MD.

Election District 3

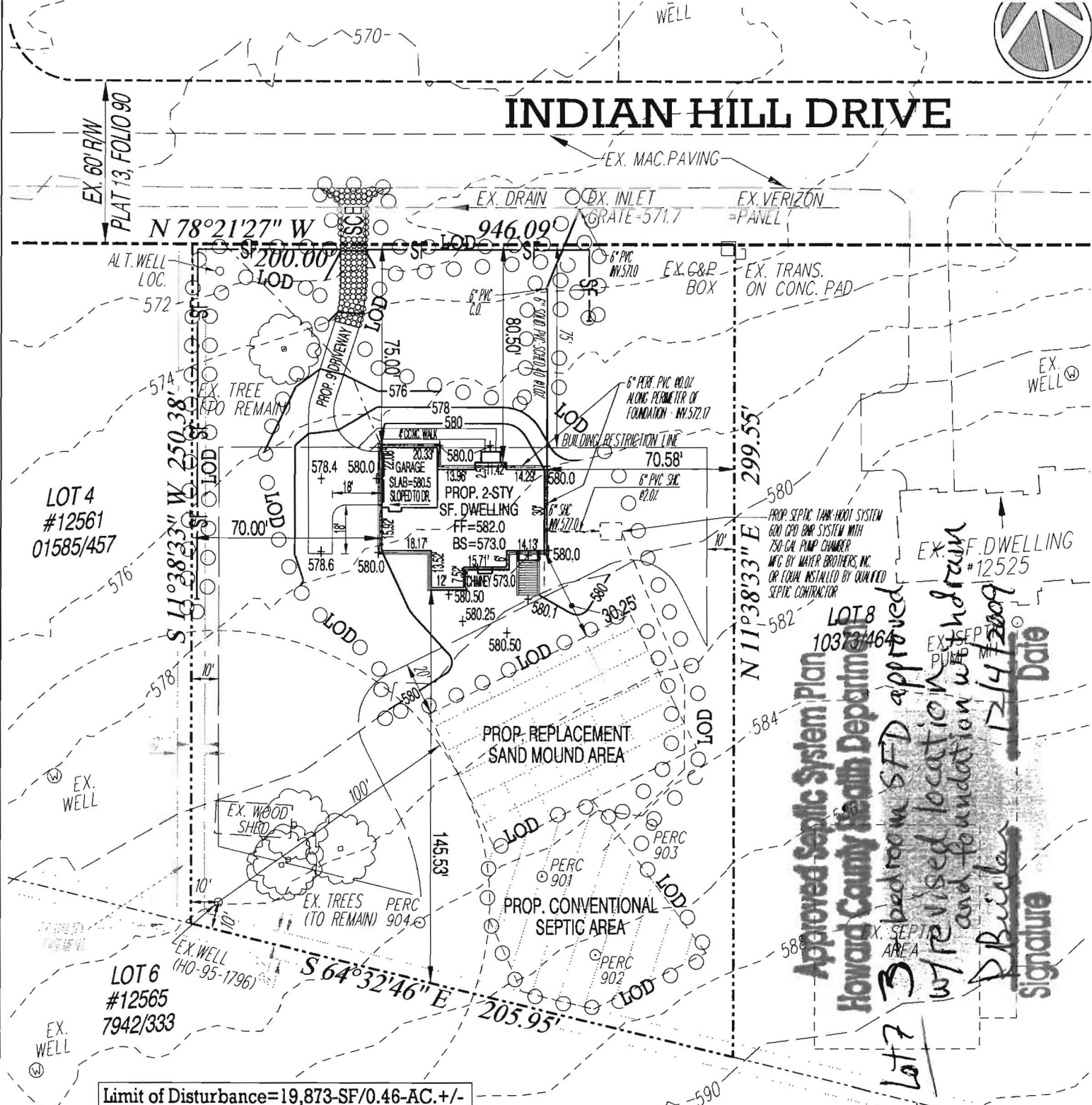
Scale: 1" = 50'

March 19, 2010

REVISED: 4/30/10



INDIAN HILL DRIVE



Limit of Disturbance=19,873-SF/0.46-AC. +/-

Subdivision: INDIAN HILL - SECTION 2
 Lot 7 - 12545 Indian Hill Drive
 Tax Account Number: 1403294900
 Deed: 10585/0452

Plat reference: Plat 13, folio 90
 Tax Map: 9, Parcel 136, Lot 7
 Existing use: Vacant
 Proposed Use: 1 Single-Family Dwelling

Owner:
 William and Billie Davidson
 4055 Wheatland Court
 Hampstead, Maryland 21074

Builder:
 Bob Ward Trademark Homes, LLC
 2700 Philadelphia Road
 Edgewood, Maryland 21040

- Notes:
- Net Site Area: Lot 7 = 1.26 ac +/-
 - Zoning: RR-DEO
 - *First Floor and Basement Elevations Shown on Plan
 - *Private Water and Sewer Systems shown on plan.
 - * Topography from Howard County GIS supplemented with Field-Run Information.
 - *Dwelling to be Wood Frame Construction on Poured Conc. Foundation

Date: December 3, 2009
 Election District 3-02
 Howard County, Maryland
 Scale: 1"=50'

PLOT PLAN FOR BUILDING PERMIT INDIAN HILL- SECTION II - LOT 7 #12545 INDIAN HILL DRIVE

Approved Septic System Plan
 Howard County Health Department

Lot 7 3 bed room SFD approved
 w/ revised location of driveway
 and foundation w/ hydroplan

12/14/2009
 P. Buckler
 Signature

Date

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

Transaction Block: 714
Ref: 80
MISC AMOUNT
IMP FD SURE \$5 20.00
RECORDING FEE \$20.00 20.00
SUBTOTAL: 40.00

Transaction Block: 715
PHOTOCOPY AMOUNT
PHOTOCOPY-A 2.00
CERTIFIED COPY-A 5.00
SUBTOTAL: 7.00

TOTAL CHARGES: 47.00

PAYMENTS
CASH 60.00

TOTAL TENDERED: 60.00

CHANGE: 13.00

Cashier: KMC Reg # H003
Rcpt # 74872
Date: Sep 14, 2009 Time: 11:08 am



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

THIS AGREEMENT is made this 14th day of September, among Billie Davidson and William Davidson, hereinafter collectively referred to as "Owner", ~~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 12545 Indian Hill Drive, in the 3-02 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 11974 Folio 327.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system, but an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, must be installed as part of the sewage disposal system for a 3 bedroom home with 3700 square feet of finished living space and 200 square feet of unfinished living space. Advanced pre-treatment has been required (pick one):

- To minimize the potential impact of the on-site sewage disposal system on down grade wells.

AND

- For an existing lot of record that does not have enough area available for an initial and two replacement on site sewage disposal systems.

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.

DATE: 9/14/09

Billie Davidson
Owner / Billie Davidson

DATE: 9/14/09

William Davidson
Owner / William Davidson

DATE: 9/17/2009

Rayon for Peter Beilensen
Howard County Health Department
Peter L. Beilenson, M.D., M.P.H., Health Officer

IMP FD SURE \$	20.00
RECORDING FEE	20.00
TOTAL	40.00
Rest HOES	Rest # 74872
MDR KMC	DLK # 714
Sep 14, 2009	11:07 am

SEP 15 11:30:21



MAYER BROS., INC.
Precast Concrete Products
6264 Race Rd. Elkridge, MD 21075

July 27, 2010

Memo to: Howard County Health Department
Attn: Mike

Re: 12545 Indian Hill Rd. Sykesville, MD

In Reference to the Hoot installation for the Bill Davidson property at 12545 Indian Hill Rd. Sykesville, MD. This Hoot system is under contract with OSIS (Onsite Septic Inspection and Service) to maintain the system for 2 years from the date of installation 6/9/2010.

OSIS is a subsidiary of Mayer Bros., Inc. formed to do maintenance on the Hoot systems. We operate out of the same offices at 6264 Race Rd.

Any questions, please call me.

Sincerely,

Nancy J. Mayer
President
Mayer Bros., Inc.

PH: 410-796-1434
FX: 410-796-1438

WBE
NPCA Certified Plant

mayerbro@connext.net
www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, HOOT Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors, Bench Barriers, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries, Scapewal Window Wells, Custom Precast Products



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AND

- For an existing lot of record that does not have enough area available for an initial and two replacement on site sewage disposal systems.

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.

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above.

DATE: 9/14/09

Billie Davdon
Owner

DATE: _____

Owner

DATE: 9/17/2009

Rayon for Peter Beilensen
Howard County Health Department
Peter L. Beilenson, M.D., M.P.H., Health Officer



MAYER BROS., INC.

Precast Concrete Products

6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction Hoot System Installation

Address of Property: 12545 INDIAN HILL RD
SYKESVILLE

Date of Final Inspection: 7-8-2010

Installer: FOOLE'S

Hoot Technician/Inspector: ED McMullen

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

Name of Inspector

Mayer Bros., Inc.

PH: 410-796-1434

FX: 410-796-1438

WBE
NPCA Certified Plant

mayerbro@connext.net
www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors,
Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries,
Scapewel Window Wells, Custom Precast Products



MAYER BROS., INC.

PRECAST CONCRETE PRODUCTS

6264 Race Rd. Elkridge, MD 21075

HOOT PUMP UPGRADES

3/12/09

The Hoot Aerobic Systems (BNR and ANR) come with a pump that is used for recirculation and to pump effluent out of the system. The standard pump is Goulds Blaster Model 20EB05, and the pump curve is attached.

The pump may be upgraded to the Goulds Blaster Model 33EB05 at an additional charge of \$350. This pump provides more volume, but not more head. (Pump curve attached)

Larger pumps can be installed in the Hoot pump chamber per the attached schematic. It is not recommended the larger pumps be used as the "only" pump, because the recirculation rates would be affected. If a larger pump is needed to pressurize a system or compensate for site conditions, it can be added and will be the responsibility of the installing contractor to specify, install and maintain. This additional pump should operate on a separate float system.

Care must be taken in ALL pump sizing calculations to consider all sources of pressure drop, friction, TDH etc. Someone knowledgeable in pump specifications should be consulted for proper sizing. Our local Goulds supplier is a good resource.

Phone 410-796-1434

MD SHA Approved

Fax 410-796-1438

www.mayerbrosprecast.com

WBE

email mayerbro@connext.net

Grease Interceptors, Residential and Commercial Septic Tanks, Microfast Systems, Distribution Boxes, Parking Bumpers, Bench Barriers, Pond Risers, Sectional Valve Vaults, Water Meter Vaults, Curb Heads, Top Slabs, Custom Precast Vaults, Permeable Entry Basement Entrances, Scapewell Window wells

Chiquita Phillips

From: chiquita0207@aol.com
Sent: Wednesday, November 19, 2008 5:36 PM
To: Chiquita Phillips

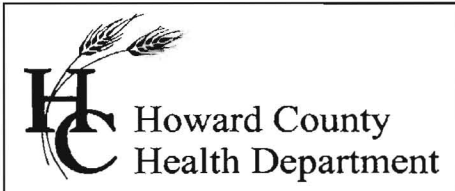
HOWARD COUNTY HEALTH DEPT
ATTN: SARA

IRON PHILLIPS & CHIQUITA PHILLIPS OWNERS OF LOT 4 (256' IND AN HILL DR SYKESVILLE, MD 21784), ALSO OWNERS OF LOT 7 (DIRECTLY NEXT TO OUR RESIDENCE) ARE REQUESTING A HARDSHIP VARIANCE TO HAVE THE SEPTIC AREA BE 5' TO PROPERTY LINE INSTEAD OF 10' IN ORDER TO ACCOMMODATE THE REQUIRED SET BACK BETWEEN A WELL TO SEPTIC. WE ARE REQUESTING A 5' VARIANCE TO WELL TO PROPERTY LINE. PLEASE LET ME KNOW IF HIS REQUEST WILL BE GRANTED BEFORE WE PROCEED ANY FURTHER. YOUR APPROVAL FOR THIS REQUEST IS GREATLY APPRECIATED. SINCE THIS HAS BEEN EXTREMELY COSTLY AND AGGRAVATING. WE HAVE WORKED WITH 2 ENGINEERS AND MANY CONVERSATIONS AND CONFRONTATIONS WITH CASSIE & BOB WEBBER OVER THE PAST FEW YEARS. AFTER STOPPING AT YOUR COLUMBIA LOCATIONS, THINGS LOOK HOPEFULLY ON THE UP SWING. YOUR STAFF MEMBERS ROBERT BRICKER, STUART OSTER AND SARA WERE MOST HELPFUL! WE HOPE FINALLY THIS WILL ASSIST IN US MOVING FORWARD WITH A BUYER THAT HAS ALREADY PUT A BID TO BUILD ON THIS LOT. WE HOPE AND AWAIT YOUR APPROVAL FOR THE VARIANCE. ANY OTHER QUESTIONS OR ANY OTHER INFORMATION NEEDED, PLEASE DO NOT HESITATE TO CALL MY (CHIQUITA) CELL # 443-974-2441 OR HOME # 410-442-5470.

THANK YOU,

RON & CHIQUITA PHILLIPS

Traveling over the river or through the woods this holiday season? [Get the MapQuest Toolbar](#). Directions, Traffic, Gas Prices & More!



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

May 14, 2009

Ronald and Chiquita Phillips
16561 Indian Hill Drive
Sykesville, Maryland 21784

RE: Variance request, Indian Hill Subdivision, Lot 7

Dear Mr. and Mrs. Phillips,

The Health Department submitted a variance request on your behalf for the potential development of Indian Hill Subdivision-Lot 7 (the subject property). The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request. This approval will allow for a potential replacement well to be located downgrade at a distance of 200 feet or greater from the sewage disposal areas defined for the subject property. Consideration of the soil conditions and percolation test results, assumed groundwater flow patterns, landscape position, and type of well construction, were some of the factors used in making our recommendation for approval.

The Bay Restoration Fund (BRF) may provide grant money to offset the cost of a nitrogen-reducing pretreatment system. These systems are not only a good investment in the life of a septic system, but they help to purify the septic effluent prior to groundwater recharge, and to a much greater extent than a conventional septic tank system.

You or other persons developing the subject property should contact John Boris at MDE for guidance in determining whether the subject property is eligible for a BRF grant. He can be reached at 410-537-3678. If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

- Pretreatment to reduce N
to a minimum of 50% required.

Steven R. Krieg, R.S.
Maryland Department of the Environment

Respectfully,

Robert Bricker, R.S.
Well and Septic Program