



**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: 12-29-17

ONSITE SEWAGE DISPOSAL SYSTEM

P 562379

APPROVAL DATE: 3/22/18 sec

PERMIT: CONSTRUCTION

A _____

PROPERTY ADDRESS: 12090 Hall Shop Road, Clarksville, MD 21029

SUBDIVISION: _____

LOT: _____

TAX ID: 05-372771

CONTRACTOR: Diversified Applications (Eric Hagerman)

EMAIL: _____

CONTRACTOR ADDRESS: 14818 N. Franklinville Road, Thurmont, MD 21788

PHONE: 301-271-7808

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Michael and Caroline Boosalis

EMAIL: MTAIRYPAVING1@YAHOO.COM

OWNER ADDRESS: 12080 Hall Shop Road, Clarksville, MD 21029

PHONE: (301) 854-1006

BAT UNIT MODEL: Hoot 600 BNR

PUMP SIZE: 0.5

PUMP TANK CAPACITY: 750

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: 9/27/17

DATE RECORDED: 9/29/17

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED

XX

BEDROOMS: 3

APPLICATION RATE: 0.6

TRENCHES:

LINEAR FEET REQUIRED: 125

INLET DEPTH: 3

TRENCH WIDTH: 3

MAXIMUM BOTTOM DEPTH: 6

MINIMUM SPACE

BETWEEN TRENCHES: 10

EFFECTIVE AREA BEGINNING DEPTH: 3

LOCATION:

PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.

NOTES:

OFFSITE SEPTIC EASEMENT RECORDED PRIOR TO RELEASE OF SEPTIC (BAT) SYSTEM INSTALLATION PERMIT.
A MDE PERMIT TO DIRECTIONAL BORE UNDER STREAMS MUST BE OBTAINED PRIOR TO RELEASE OF SEPTIC (BAT) SYSTEM INSTALLATION PERMIT.
SEVERAL PUMP CYCLES MUST BE OBSERVED FOR APPROVAL OF PUMP AND ALARM TEST.
OFFSITE SDA IS THE NORTH SECTION OF THE SDA DEFINED AT BACK OF PARCEL 211.

ISSUED BY: Robert Bricker

ISSUE DATE: 12-29-17

EXPIRATION DATE: 12-29-18

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 17005950

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

4/26/2018 Contractor Setting up for Directional Boring @

4/29/18 Directional Boring From Section inbetween Wetland buffers Towards SDA. Contractors within Easement Staking confirmed onsite. Second bore pit confirmed out of wetland boundary (Distal to House) To redirect bore to meet 36" cover @

See separate sheet for A6-Built

1/30/2018 Installed force main from between SDA + most distal edge (to the House) of the Driveway to initial starting point of Directional bore inbetween wetland boundaries @

1/31/2018 Force main trench dug around SDA. Meets 36" of cover @

3/22/18 On site with Mike Boosalis. Mr. Boosalis turned on power to Heat system + alarm sounds, pump pumps effluent to D-box. Looked inside + underneath building to be demold - no plumbing pipes or fixtures present. ROAD NAME (SC)

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		126'
ABSORPTION AREA		378 + 6W
DISTRIBUTION BOX LEVEL		
DISTRIBUTION BOX BAFFLE		
DISTRIBUTION BOX PORT		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	DN1
MANUFACTURER	Meyer Bros
CAPACITY	750 GAL
SEAM LOC	Top
TANK LID DEPTH	
BAFFLES	yes
BAFFLE FILTER	no
MANHOLE LOC	Front/Back
6" PORT LOC	Inlet
WATERTIGHT TEST	-
SLOTTED	Heat 600 BNR
DATE ON LID	N/A
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

As of 1/29/18 Tank Top @ grade

PRE-CONSTRUCTION:

1/2/18 met w/ owner, contractor (Eric Hinerman) and A & A (Bore contractor) Walked site. Easement for F.M. flagged w/ ribbon. SRA not staked one property corner found. Told septic contractor and owner SCA + F.M. Easement must be staked. No layout given. 'OK' for contractor to install tank per plan. Explained H.D. must be on-site when and during directional boring commences (know)

INSTALLATION: 1/18/18 met contractor on-site SDA staked. area cleared. shot elevations at trench locations. Aprx. 6" difference from beginning to end. hold 6's" @ low end w/ laser on both trenches. Trash was found on surface of upper corner of SDA. Told contractor need to see trash before starting (K)

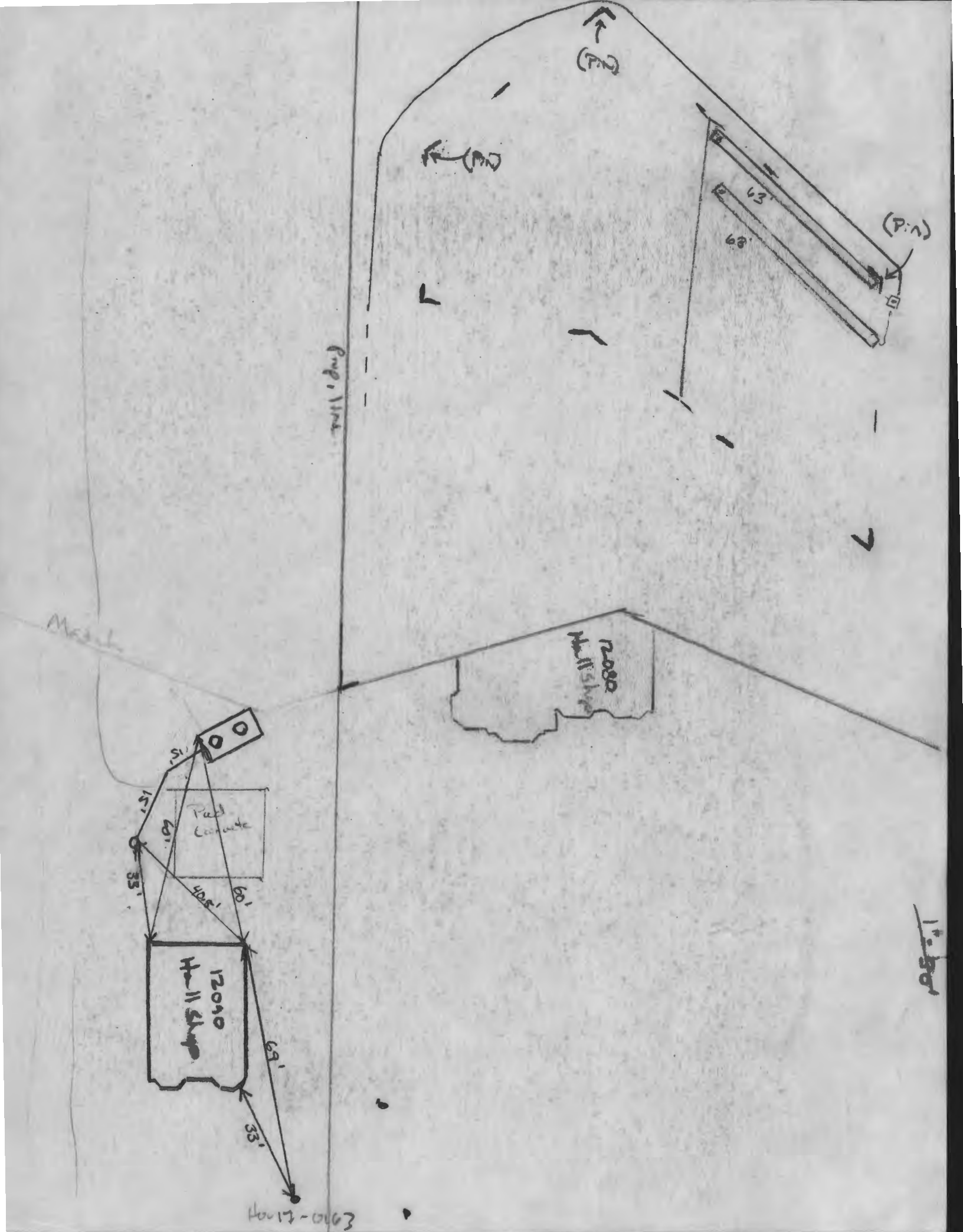
1/19/18 Top trench dug out, no tank. Soil consistent w/ perc's. lower trench completed. correct geotextile used. Obs. pres installed. No D-box on site. (2x inspectors - know) 1/24/2018 ST At Dig. @ 1/25/18 ST Set and site completed. Contractor (Gene) instructed to pump AB Tank. @

FINAL INSPECTOR

Sarah Collins

DATE OF APPROVAL

3/22/18



Septic System Trench Design Specifications

- Design flow: 450 gpd
(3 Bedrooms at 150 gpd)
- Application Rate: 0.6
- Effective area beginning depth: 3'
- Bottom maximum depth: 6'
- Trench Depth: 3'
- Square footage of drainfield required: 750 sq. ft.
$$\frac{450 \text{ gpd}}{0.6} = 750 \text{ sq. ft.}$$
- Trench width: 3'
- Side Wall Reduction Credit:
$$\frac{3+2}{3+1+2(3)} \times \frac{5}{10} \times 100 = 50\%$$
- Linear Length of trench required:
$$\frac{750 \times 0.50}{3} = 125 \text{ lf use } 125 \text{ lf}$$
- Number of trenches provided: 2 @ 62.5'

* Calculations are the same for the replacement systems.

Pumping System Design

- Dose Calculations:
 - Design Flow: 450 gpd
 - Length of force main
 - 1.25" SCH 40 PVC: 130.19'
 - 1.25" Flexible SDR 26 PVC: 779.08'
 - Volume of force main:
 - 1.25" SCH 40 PVC: 130.19' x 7.8 gallons per 100' = 1,015.48/100 = 10.15 gallons
 - 1.25" Flexible SDR 26 PVC: 779.08 x 9.6 gallons per 100' = 7,479.17/100 = 74.79 gallons
 - Minimum dose is the greater of:
 - Volume of force main: 74.79 + 10.15 = 84.94 gallons use 85 gallons
 - Or
 - 1/6th the design flow:
 - 1/6 x 450 gallons = 75.0 gallons
- Minimum Dose = 85 gallons
- Pump Design:
 - Pump flow required: 20 gpm
 - Dose amount: 85 gallons
 - Pump run time: 4.25 minutes

OK
R. Buckler
12/27/2017

of the American Arbitration Association or its successor. Any judgment award shall include reasonable monetary damages, interest, costs, attorney's fees and expert expenses. Every person and/or entity who now or hereafter owns or acquires any right, title or interest in and/or to Grantor Property is and shall be conclusively deemed to have consented and agreed to every condition, standard and covenant contained herein, whether or not any reference hereto is contained in the instrument by which such person and/or entity acquired such interest in such aforesaid property. This Septic System Easement shall be perpetual and shall run with the land.

IN WITNESS WHEREOF, Grantors have signed and sealed this Declaration as of the date first above-written.

Michael E. Boosalis
MICHAEL E. BOOSALIS

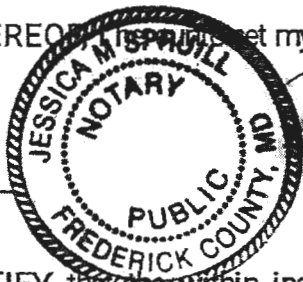
Caroline Boosalis
CAROLINE BOOSALIS

STATE OF MARYLAND, CITY/COUNTY OF Frederick, TO WIT:

I HEREBY CERTIFY, that on this 12 day of September, 2017, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared MICHAEL E. BOOSALIS and CAROLINE BOOSALIS, (known to me or satisfactorily proven to be so) and executed the foregoing instrument for the purposes therein contained, by signing his name, in my presence.

IN WITNESS WHEREOF, I have set my hand and official seal.

My Commission Expires:
12-30-17



Jessica M. Spruill
NOTARY PUBLIC
Jessica M. Hinerman commissioned as
Jessica M. Spruill

THIS IS TO CERTIFY that the within instrument has been prepared under or by the supervision of the undersigned Maryland attorney, Robert L. Fila, whose address is 3706 St. Johns Lane, Ellicott City, MD, 21042, (410) 715-5255.

R. Fila
ROBERT L. FILA

Return To:

Robert L. Fila, Esquire
3706 St. Johns Lane
Ellicott City, MD 21042

PAYMENT OF TAXES
NOT NECESSARY
Stanley Mulska
DIRECTOR OF FINANCE OF HOWARD COUNTY

DECLARATION OF SEPTIC SYSTEM EASEMENT 300-409910-1300000000-999999
9999999999

THIS DECLARATION OF SEPTIC SYSTEM EASEMENT (this "Declaration") is made as of the 12th day of September, 2017, by **MICHAEL BOOSALIS and CAROLINE BOOSALIS** (collectively referred to as "Grantors").
Doc Type: Easements
Consideration Amount: \$0.00

WHEREAS, Grantors are the record title holder in fee simple of that certain real property in Howard County, Maryland (the "County") known as 12080 Hall Shop Road, Clarksville, MD, 21029, Map 41, Grid 1, Parcel 211 (the "Grantor Property"), and;

WHEREAS, MICHAEL BOOSALIS, JR. (referred to as "Grantee") is the contract purchaser of that certain real property located in the County known as 12090 N.W. Hall Shop Road, Clarksville, MD, 21029, Map 41, Grid 1, Parcel 212 (the "Grantee Property"), and;

WHEREAS, the existing septic system servicing the Grantee Property (the "Septic System") is located on the Grantor Property, and;

WHEREAS, Grantors and Grantee wish for Grantors to grant, create, and establish on the Grantor Property, for the use and benefit of Grantee and the Grantee Property, the "Septic System Easement", as hereinafter defined, and as shown on the attached Plat, attached hereto and made a part hereof as Attachment A.

NOW, THEREFORE, in consideration of the premises contained herein and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, Grantors hereby grant, create, and establish the following easement, upon and subject to the following terms and conditions:

1. Subject to the terms and conditions hereinafter set forth, Grantors do hereby grant, create and establish, as of the date that Grantee becomes title holder in fee simple of the Grantee Property, for the use and benefit of Grantee Property and/or Grantee, and the respective personal representatives, heirs, successors, and assigns of Grantee, the "Septic System Easement", which shall consist of the non-exclusive right to use the Septic System and the right of access onto Grantor Property to have the Septic System serviced in a reasonable manner by qualified service people.

2. Notwithstanding the foregoing, Grantee shall have no responsibility with respect to servicing the Septic System and/or any liability that arises in connection with their use of the Septic System.

3. The provisions of this Declaration shall be binding on the parties hereto and their respective successors and/or assigns, as a covenant running with and binding upon the land. This Declaration shall not be released or altered without the consent of Grantee (or, as applicable, their respective successors and/or assigns). Should the Grantor Property or the Grantee Property be sold under a foreclosure of a deed of trust or by deed in lieu of foreclosure, sale by a trustee in bankruptcy or other sales under distress, such sales or conveyances will be subject to this instrument. Any disputes hereunder shall be resolved by binding arbitration under the auspices

20
40
LH

LR - Easement
(No Taxes) Recording
20.00
096
basalis
Easement
Surchage
40.00
60.00
60.00
60.00
02-28
CC13-LH
CC05.03.08 -
096

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9999999999

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LR - Easement
(No. Taxes) Recording
20.00
MICHAEL E. BOOSALIS
CAROLINE BOOSALIS
MICHAEL E. BOOSALIS
CAROLINE BOOSALIS
02-28
02:28
00.00
00.00
42.00

of the American Arbitration Association or its successor. Any judgment award shall include reasonable monetary damages, interest, costs, attorney's fees and expert expenses. Every person and/or entity who now or hereafter owns or acquires any right, title or interest in and/or to Grantor Property is and shall be conclusively deemed to have consented and agreed to every condition, standard and covenant contained herein, whether or not any reference hereto is contained in the instrument by which such person and/or entity acquired such interest in such aforesaid property. This Septic System Easement shall be perpetual and shall run with the land.

IN WITNESS WHEREOF, Grantors have signed and sealed this Declaration as of the date first above-written.

Kimberly Dabau
Michael E. Boosalis
MICHAEL E. BOOSALIS

Kimberly Dabau
Caroline Boosalis
CAROLINE BOOSALIS

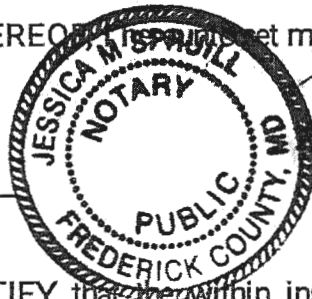
STATE OF MARYLAND, CITY/COUNTY OF Frederick, TO WIT:

I HEREBY CERTIFY, that on this 12 day of September, 2017, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared MICHAEL E. BOOSALIS and CAROLINE BOOSALIS, (known to me or satisfactorily proven to be so) and executed the foregoing instrument for the purposes therein contained, by signing his name, in my presence.

IN WITNESS WHEREOF, I have set my hand and official seal.

My Commission Expires:

12-30-17



Jessica M. Spruill
NOTARY PUBLIC

Jessica M. Hinerman commissioned as
Jessica M. Spruill

THIS IS TO CERTIFY that the within instrument has been prepared under or by the supervision of the undersigned Maryland attorney, Robert L. Fila, whose address is 3706 St. Johns Lane, Ellicott City, MD, 21042, (410) 715-5255.

R. Fila
ROBERT L. FILA

Return To:

Robert L. Fila, Esquire
3706 St. Johns Lane
Ellicott City, MD 21042

PAYMENT OF TAXES
NOT NECESSARY

Stanley Mulskey
DIRECTOR OF FINANCE OF HOWARD COUNTY

12090 Hall Shop Ku.

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

Name: boosalis
Ref: 29

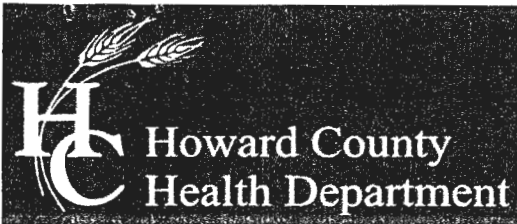
LR - Agreement Surcharge		
	1x	40.00 40.00

SubTotal:		60.00
Total:		60.00

REV-Check-BOA		60.00
Number : 9133		

09/29/2017 11:11 CC13-MM
#9156038 /497/109

~ Thank you for visiting us today ~



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

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

THIS AGREEMENT is made this 27th day of September among Michael + Caroline Boosalis, 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 12090 Hall Shop Rd Clarksville, in the 05 Election District of Howard County, Maryland, and the deed and subdivision plat of the property is recorded among the Land Records of Howard County, Maryland, Tax Map # 0041, Block # , Parcel # 0212 Deed Reference # and Tax Account # 372771 ("the Property").

WHEREAS, The Property 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 600.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Property at any reasonable time with prior notice 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.

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 Property 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 Property that the system shall require maintenance or other attention. Upon taking title to the Property, 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.

Robert J. Davis 9/29/17
Howard County Health Department

[Signature] 9/27/17
Owner #1 Signature Date

Michael Boosalis
Owner #1 Print Name

Caroline Boosalis 9/27/17
Owner#2 Signature Date

Caroline Boosalis
Owner #2 Print Name

Buyer #1 Signature Date

Buyer #2 Signature Date

Buyer #1 Print Name

Buyer #2 Print Name

Wolf, Kevin

From: Bricker, Robert
Sent: Thursday, December 28, 2017 2:07 PM
To: Michael Boosalis
Cc: Martin, Sharhonda; Wolf, Kevin
Subject: RE: MDE letter

You may pick up the permit tomorrow. Bring fee (\$396) payment either as check made out to 'Director of Finance', or bring credit card. As this is an upgrade/replacement of the existing septic system, I have attached a Information Form for Repair or Upgrade. Please complete the lower section of the form as completely as you can. Answer what you know about the inquiries in the upper section.

The pre-construction meeting is on site with one of our Inspectors. Mr Boosalis may attend the pre-construction meeting; both of the contractors (Diversified Applications and A & A) must attend. When you have everybody agreeing on a day and time (10 a.m. or later), call 410-313-1771 and request a 'Layout' inspection for 12090 Hall Shop Road. Give the day and time you are requesting.

Robert Bricker, REHS/RS, L.E.H.S.

From: Michael Boosalis [<mailto:mtairypaving1@yahoo.com>]
Sent: Thursday, December 28, 2017 1:52 PM
To: Bricker, Robert
Subject: Re: MDE letter

Okay, so who needs to attend this meeting besides Diversified and A&A and Mr. Boosalis??
So I can pick up the permit tomorrow??? Do I need to bring any additional paperwork?
Thanks,
Kim

From: "Bricker, Robert" <RBricker@howardcountymd.gov>
To: Michael Boosalis <mtairypaving1@yahoo.com>
Cc: "Martin, Sharhonda" <smmartin@howardcountymd.gov>
Sent: Thursday, December 28, 2017 1:46 PM
Subject: RE: MDE letter

Yes Kim, the permit is ready. The permit fee is \$396. A pre-construction meeting at the site is required before starting work and before delivery of any components to the site. Are you going to coordinate that meeting? A&A Construction must attend this meeting as well as Diversified Applications.

Robert Bricker, REHS/RS, L.E.H.S.

-----Original Message-----

From: Michael Boosalis [<mailto:mtairypaving1@yahoo.com>]
Sent: Thursday, December 28, 2017 10:27 AM
To: Bricker, Robert
Subject: RE: MDE letter

Good Morning Mr. Bricker,
No, Diversified will not be doing the boring it will be done by A & A Construction and Utilities. Please advise as to when I can pick up the permit.
Thank you,

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Michael Boosalis
12080 Hall Shop Road
Clarksville, MD 21029



9590 9402 2939 7094 2846 18

2. Article Number (Transfer from service label)

7016 0910 0001 9222 5326

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

 Agent Addressee

B. Received by (Printed Name)

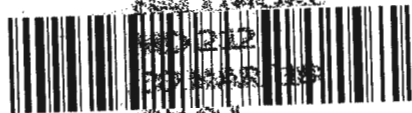
C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input checked="" type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

USPS TRACKING #



9590 9402 2939 7094 2846 18

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

United States
Postal Service

• Sender: Please print your name, address, and ZIP+4® in this box. •

Howard County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

RECEIVED

APR 04 2010



SC



MAYER BROS., INC.

Precast Concrete Products

6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction Hoot System Installation

Wrong address - left a message for Lee w/ Hoot.

Address of Property: 12050 HALL SHAP RD
CLACKSVILLE MD 21029

2/22/18 (S)

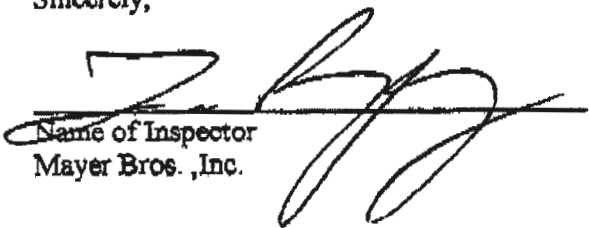
Date of Final Inspection: 2-21-18

Installer: Diversified Application

Hoot Technician/Inspector: Lee Humphrey

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,

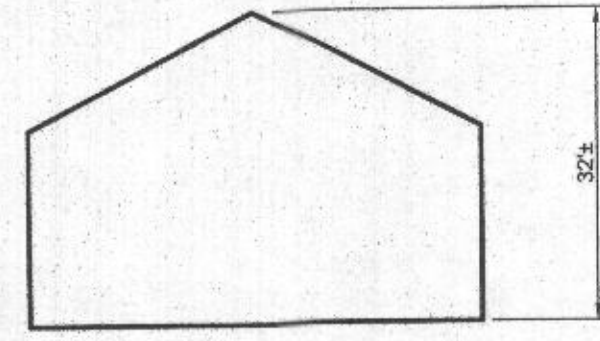

Name of Inspector
Mayer Bros., Inc.

PH: 410-796-1434

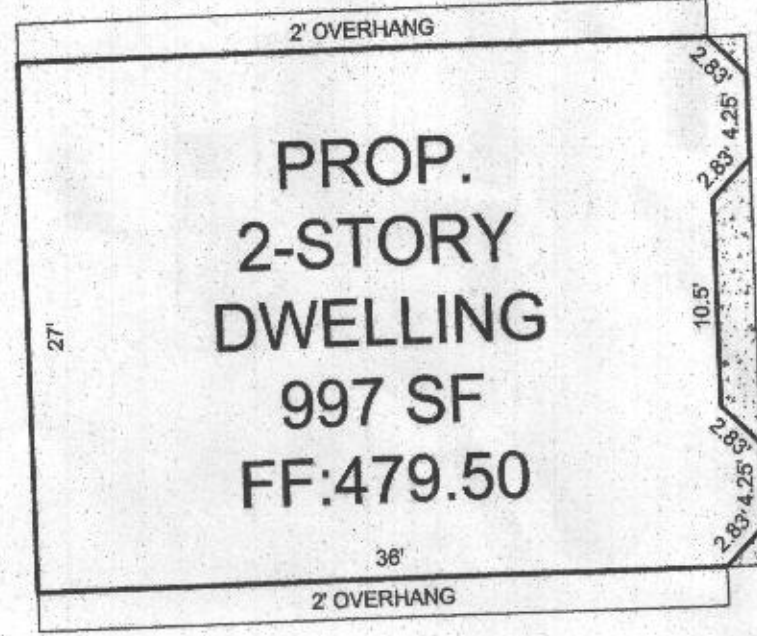
FX: 410-796-1438

WBE

www.mayerbrosprecast.com



PROP. BUILDING PROFILE
12090 HALL SHOP ROAD
NOT TO SCALE



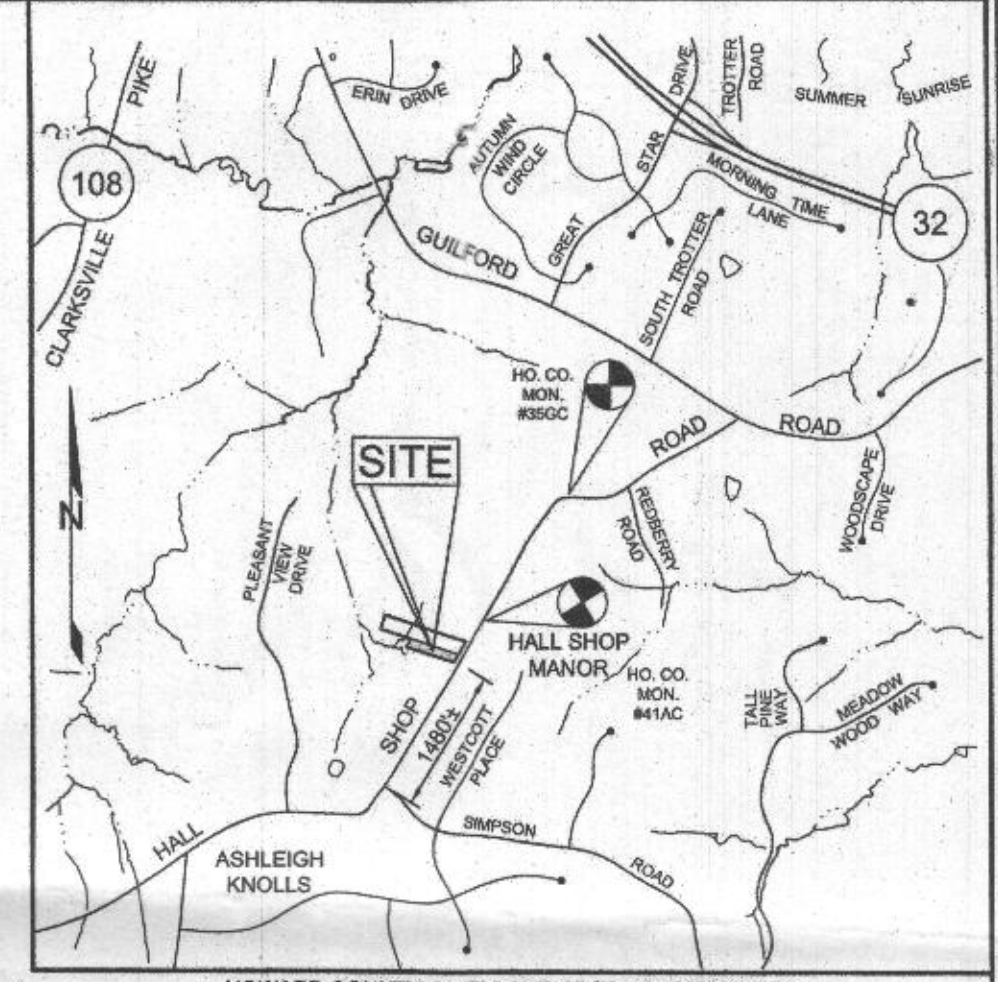
PROP. BUILDING DETAIL
12090 HALL SHOP ROAD
SCALE: 1"=10'

GENERAL NOTES

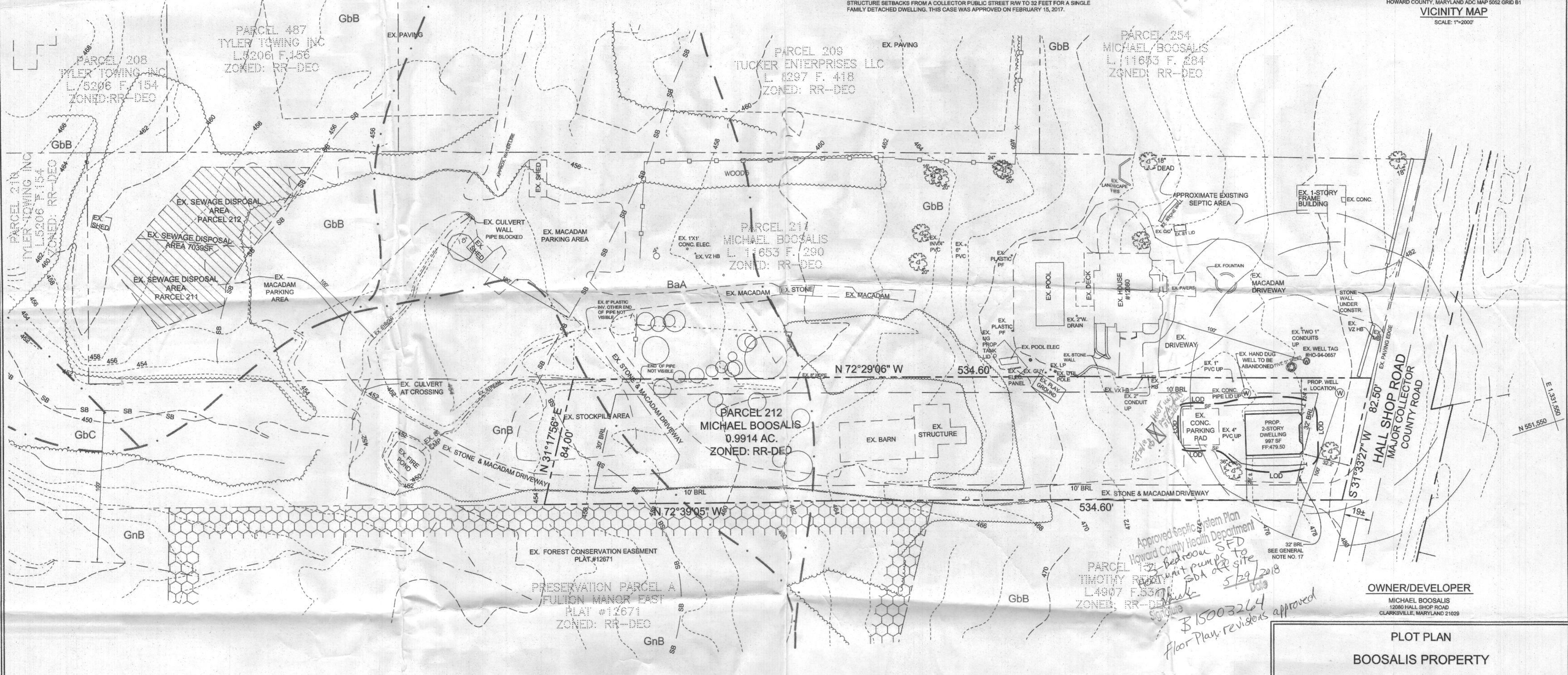
- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY: 0.9914 AC.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 7,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. (COMAR 26.04.03). 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 SEWAGE EASEMENT. REORDINATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED BY SHANABERGER & LANE IN MAY 2016.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHY SURVEY PREPARED BY SHANABERGER & LANE IN MAY 2016.
- PROPERTY ADDRESS: 12090 HALL SHOP ROAD
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- PROPOSED STRUCTURE IS A 2,125± SQUARE FOOT TWO STORY HOUSE WITH WOOD AND VINYL SIDING AND ASPHALT SHINGLE ROOFING. (FIRST FLOOR: 986± SF, SECOND FLOOR: 1,139± SF)
- EXISTING PARKING AND DRIVEWAYS ARE STONE AND MACADAM
- PARKING (ON PARCEL 212):
EXISTING: TWO (2) SPACES
PROPOSED: N/A
- LIMIT OF DISTURBANCE: 3,781± SF / 0.086± AC
- SINCE THE LIMIT OF DISTURBANCE IS LESS THAN 5,000 SF, THIS PROJECT IS EXEMPT FROM STORM WATER MANAGEMENT OBLIGATIONS.
- THE APPROVED SEWAGE DISPOSAL AREA FOR PARCEL 212 IS LOCATED ON PARCEL 211
- THIS PLAN IS SUBJECT TO BA CASE NO. 16-035V, WHICH REDUCES THE 75 FOOT PRINCIPAL STRUCTURE SETBACKS FROM A COLLECTOR PUBLIC STREET R/W TO 30 FEET FOR A SINGLE FAMILY DETACHED DWELLING. THIS CASE WAS APPROVED ON FEBRUARY 15, 2017.

LEGEND

- EXISTING CONTOUR
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING PRIVACY FENCE
- EXISTING SPLIT RAIL FENCE
- STREAM BUFFER
- SILT FENCE
- LIMIT OF DISTURBANCE
- EXISTING TREE



VICINITY MAP
SCALE: 1"=2000'



PLAN VIEW
SCALE: 1"=30'

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	K _c FACTOR
BaA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	0.37
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	0.28
GbB	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

- NOTES:
- SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEB SOIL SURVEY
 - HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K_c GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

Approved Septic System Plan
Howard County Health Department
3 1/2 bedroom SFD
Root unit pumps to
SBA at site
5/29/2018
\$15003264
Floor Plan: revisers approved

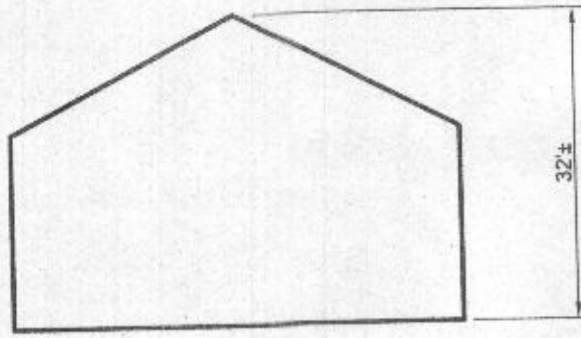
OWNER/DEVELOPER
MICHAEL BOOSALIS
12090 HALL SHOP ROAD
CLARKSVILLE, MARYLAND 21029

PLOT PLAN
BOOSALIS PROPERTY
12090 HALL SHOP ROAD
TAX MAP 41 GRID 1
5TH ELECTION DISTRICT
PARCEL 212
HOWARD COUNTY, MARYLAND

SILL ENGINEERING GROUP, LLC
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

DESIGN BY: PS
DRAWN BY: MPO/AEA
CHECKED BY: PS
SCALE: 1"=30'
DATE: APRIL 02, 2019
PROJECT #: 15-043
SHEET #: 1 of 1

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. 32025, EXPIRATION DATE: JUNE 30, 2017



PROP. BUILDING PROFILE
12090 HALL SHOP ROAD
NOT TO SCALE

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
BaA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	C/D	0.37
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	A	0.28
GnB	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

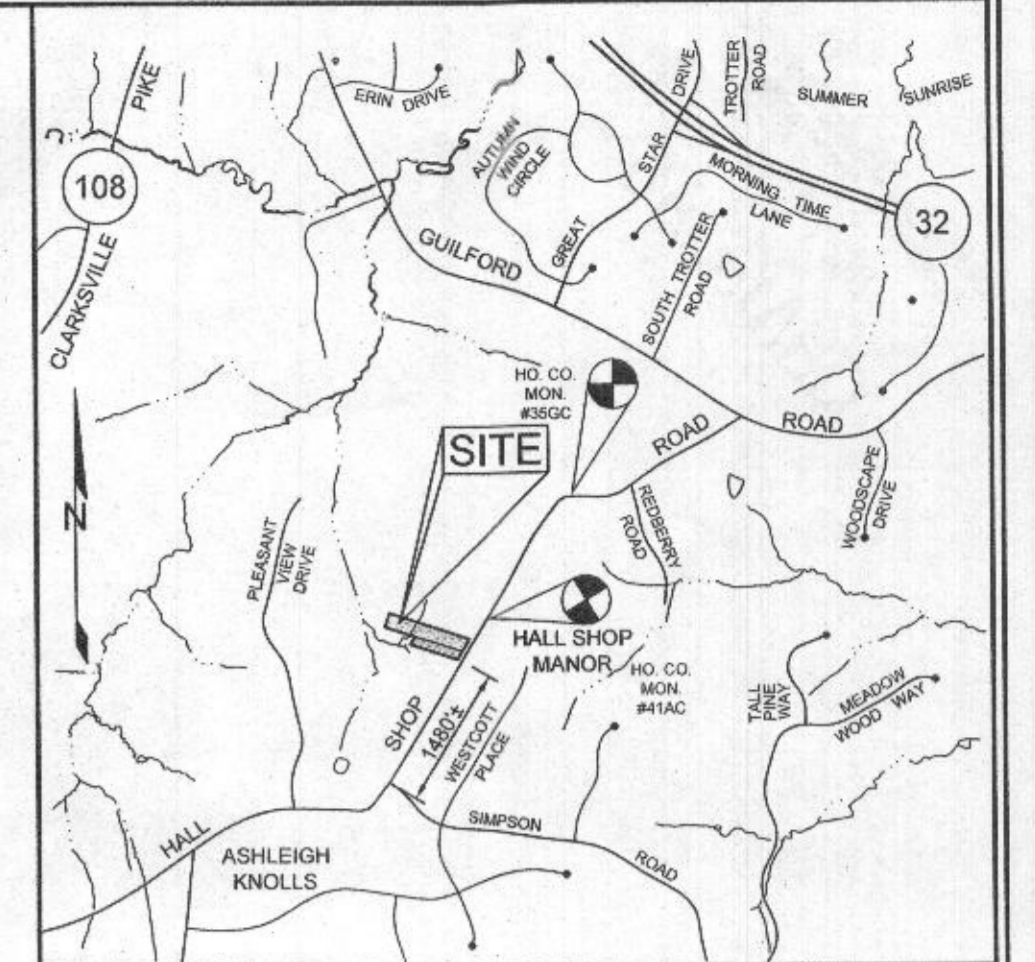
NOTES:
1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

GENERAL NOTES

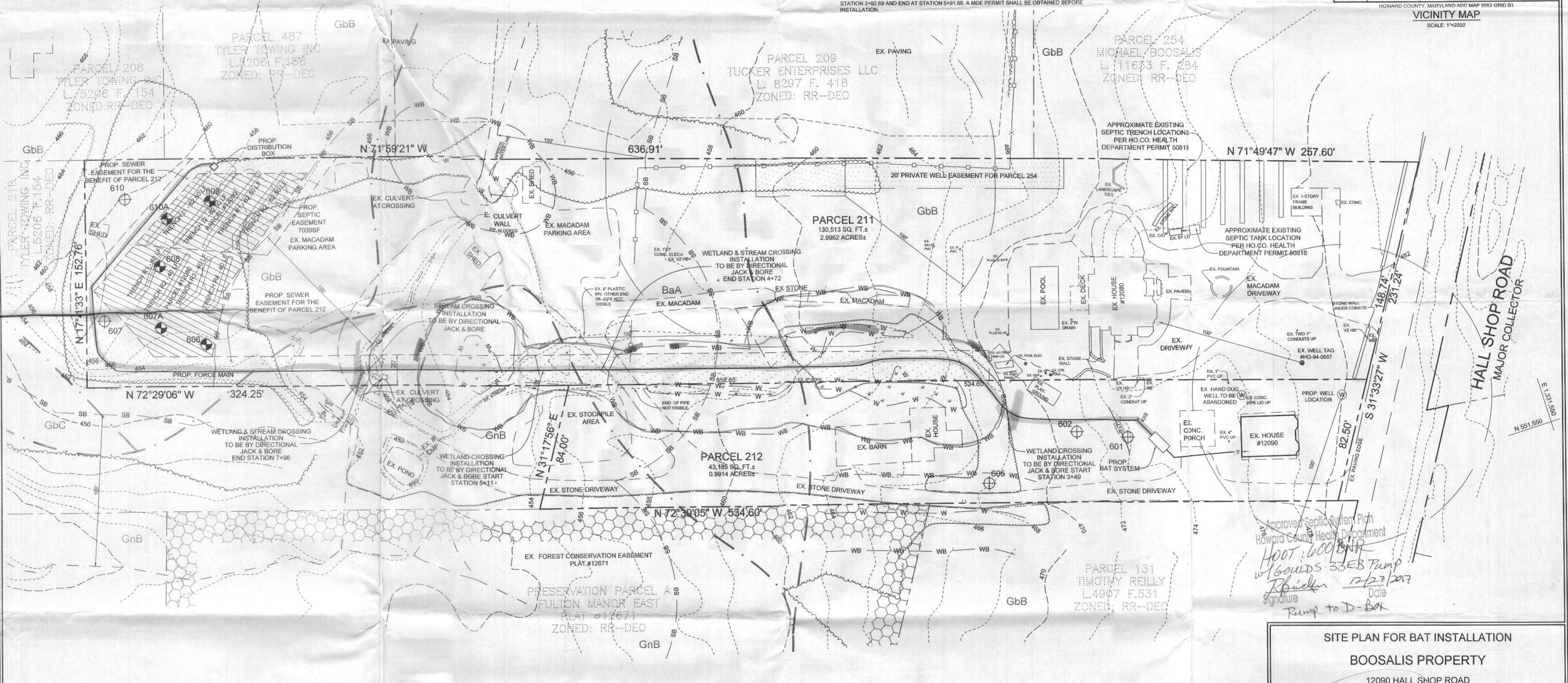
- SUBJECT PROPERTY ZONED RR-DEO PER 10/09/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY:
PARCEL 212: 0.9914 ACRES
PARCEL 211: 2.9962 ACRES
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA. OF AT LEAST 7,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED BY SHANABERGER & LANE IN MAY 2016.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHY SURVEY PREPARED BY SHANABERGER & LANE IN MAY 2016.
- PROPERTY ADDRESS: 12090 HALL SHOP ROAD.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- PROPOSED STRUCTURE IS A 2,125± SQUARE FOOT TWO STORY HOUSE WITH WOOD AND VINYL SIDING AND ASPHALT SHINGLE ROOFING. (FIRST FLOOR: 986± SF, SECOND FLOOR: 1,139± SF)
- EXISTING PARKING AND DRIVEWAYS ARE STONE AND MACADAM.
- PARKING (ON PARCEL 212):
EXISTING: TWO (2) SPACES
PROPOSED: N/A
- UTILITY INSTALLATION SHALL BE BY DIRECTIONAL JACK AND BORE FOR THE SHC WITHIN THE STREAM AND WETLANDS AS SHOWN HEREON. THE INSTALLATION METHOD IS TO BEGIN A STATION 2+92.69 AND END AT STATION 5+91.69. A MDE PERMIT SHALL BE OBTAINED BEFORE INSTALLATION.

LEGEND

- EXISTING CONTOUR
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING PRIVACY FENCE
- EXISTING SPLIT RAIL FENCE
- STREAM BUFFER
- WELL AREA
- WETLANDS AREA



HOWARD COUNTY, MARYLAND ADC MAP 5062 GRID B1
VICINITY MAP
SCALE: 1"=200'



PLAN VIEW
SCALE: 1"=30'

Approved Septic System Plan
Howard County Health Department
1007 600 BWP
w/ GOUNDS 35 EB Pump
R. Buecker 12/27/2017
Signature Date
Rump to D-Box

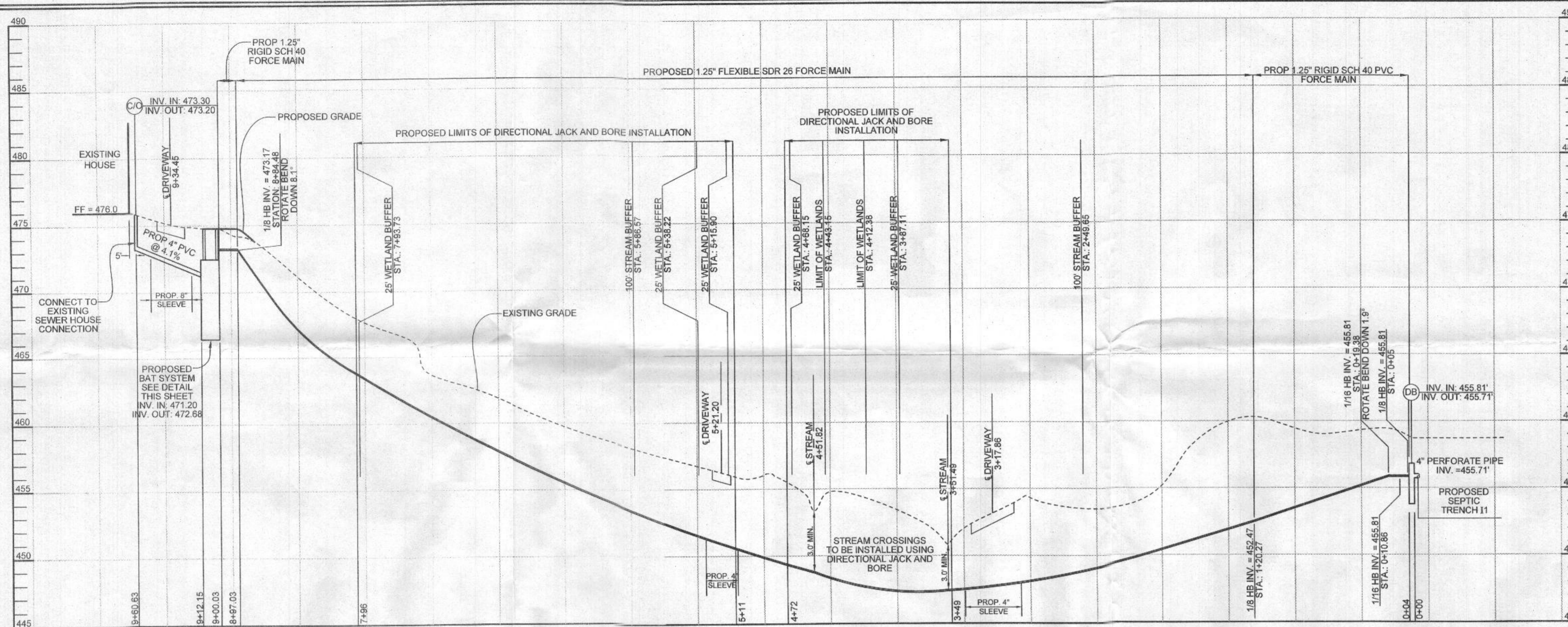
SITE PLAN FOR BAT INSTALLATION
BOOSALIS PROPERTY
12090 HALL SHOP ROAD
TAX MAP 41 GRID T 5TH ELECTION DISTRICT PARCEL 212 HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER/PETITIONER
MICHAEL BOOSALIS
12090 HALL SHOP ROAD
CLARKSVILLE, MARYLAND 21029
ATTORNEY
CARNEY, KELEHAN, BRESLER, BEINETT & SCHERR, LLP
C/O THOMAS MEACHAM ESQ
10715 CHARTER DRIVE SUITE 200
COLUMBIA, MD 21044
410-740-4600

SILL ENGINEERING GROUP, LLC
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

DESIGN BY: RA
DRAWN BY: RA/AEA
CHECKED BY: PS
SCALE: 1"=30'
DATE: NOVEMBER 30, 2017
PROJECT #: 15-043
SHEET #: 1 of 2

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. 30226, EXPIRATION DATE: JUNE 20, 2019

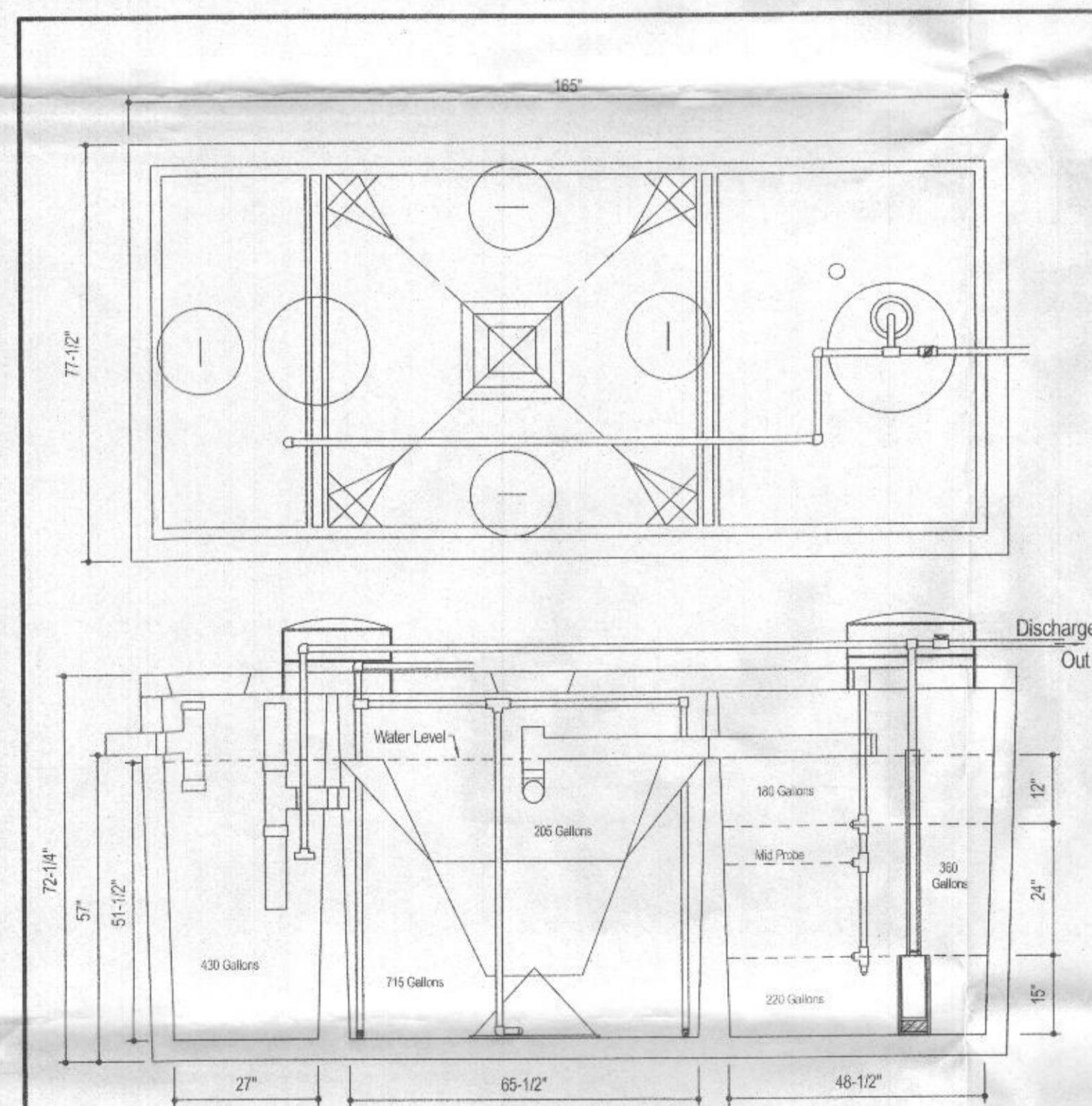


BAT NOTES

1. 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 REQUIRED.
2. THE BLOWER MAY NOT BE LOCATED MORE THAN 50 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
3. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
4. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
5. 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.
6. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
7. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
8. BAT SYSTEM TO BE A HOOT 600 GPD BNR SYSTEM OR EQUIVALENT.
9. PUMP TO BE GOULDS 33EB OR EQUIVALENT.
10. THE PUMP AND ALARM TEST MUST BE CONDUCTED THRU SEVERAL PUMP CYCLES TO ASSURE THAT THE PUMP IS POWERFUL ENOUGH TO OVERCOME THE RESTING ENERGY OF THE SOLUTION THAT REMAINS IN THE FORCE MAIN AFTER EACH DOSE.
11. THE PRE-INSTALLED WIRES ON THE PROBE STAFF ARE ONLY 50' LONG AND CANNOT BE SPLICED. SINCE THE TANK IS FURTHER THAN 50' FROM THE HOUSE, A FLOAT TREE MUST BE INSTALLED INSTEAD OF THE PROBE STAFF. EVEN IF USING A FLOAT TREE, THE BLOWER MUST BE WITHIN 100' OF THE SYSTEM IN ORDER TO PROVIDE SUFFICIENT AIR PRESSURE. IF THE ATU IS FURTHER THAN 100' FROM THE HOUSE, THEN THE CONTROL PANEL AND THE POWER FEED BOX SHOULD BE MOUNTED ON A PANEL POLE BESIDE THE TANK.
12. TO ALLOW MAINTENANCE ACCESSIBILITY TO THE BNR PIPING, THE SPECIAL BNR RISER SHOULD BE PLACED WITHIN 18" FROM THE TOP OF THE RISER STACK WITH NO MORE THAN TWO 6" RISER EXTENSION ABOVE IT.

SEPTIC SYSTEM TRENCH DESIGN SPECIFICATIONS

- INITIAL SYSTEM
 - APPLICATION RATE: 0.6
 - EFFECTIVE AREA BEGINNING DEPTH: 3'
 - BOTTOM MAXIMUM DEPTH: 6'
 - 1. DESIGN FLOW:
 - 3 BEDROOMS AT 150 GPD
 - 3X150 GPD = 450 GPD
 - 2. SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
 - DESIGN FLOW (450 GPD) / APPLICATION RATE (0.6) = 750 SF
 - 3. SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH EFFECTIVE DEPTH (D) = 3'
 - (W+2) / (W+1+2D) X 100 = 50%
 - 4. LINEAR LENGTH OF TRENCH REQUIRED:
 - DRAIN FIELD SQUARE FOOTAGE (750) X SIDEWALL REDUCTION CREDIT (50%) / TRENCH WIDTH (3') = 125'
 - 5. LINEAR LENGTH OF TRENCH PROVIDED = 125'
 - 6. EX. GRADE:
 - TRENCH R1: 458.71
 - TRENCH R2: 458.00
 - 7. INVERT:
 - TRENCH R1: 455.71
 - TRENCH R2: 455.00
- REPLACEMENT SYSTEM
 - APPLICATION RATE: 0.6
 - EFFECTIVE AREA BEGINNING DEPTH: 3'
 - BOTTOM MAXIMUM DEPTH: 6'
 - 1. DESIGN FLOW:
 - 3 BEDROOMS AT 150 GPD
 - 3X150 GPD = 450 GPD
 - 2. SQUARE FOOTAGE OF DRAIN FIELD REQUIRED:
 - DESIGN FLOW (450 GPD) / APPLICATION RATE (0.6) = 750 SF
 - 3. SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH EFFECTIVE DEPTH (D) = 3'
 - (W+2) / (W+1+2D) X 100 = 50%
 - 4. LINEAR LENGTH OF TRENCH REQUIRED:
 - DRAIN FIELD SQUARE FOOTAGE (750) X SIDEWALL REDUCTION CREDIT (50%) / TRENCH WIDTH (3') = 125'
 - 5. LINEAR LENGTH OF TRENCH PROVIDED = 125'
 - 6. EX. GRADE:
 - TRENCH R1: 457.33
 - TRENCH R2: 456.66
 - 7. INVERT:
 - TRENCH R1: 454.33
 - TRENCH R2: 453.66

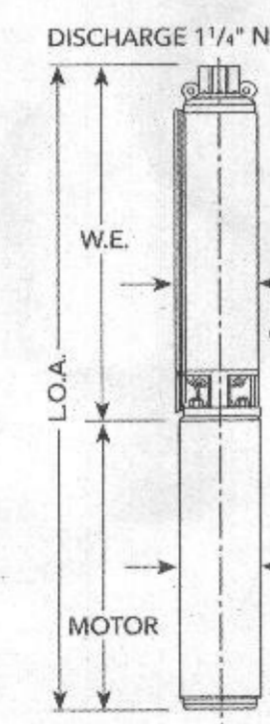


DESIGN DATA & GENERAL NOTES
 [1] Concrete strength f'c=4000 p.s.i. @ 28 days. Density = 150 pcf.
 [2] Concrete - Portland Type III per ASTM C 150-92.
 [3] Admixtures & plasticizers per ASTM C 260-98 & C 494-02.
 [4] Reinforcing per ASTM A195. Min. 1-1/2" cover.

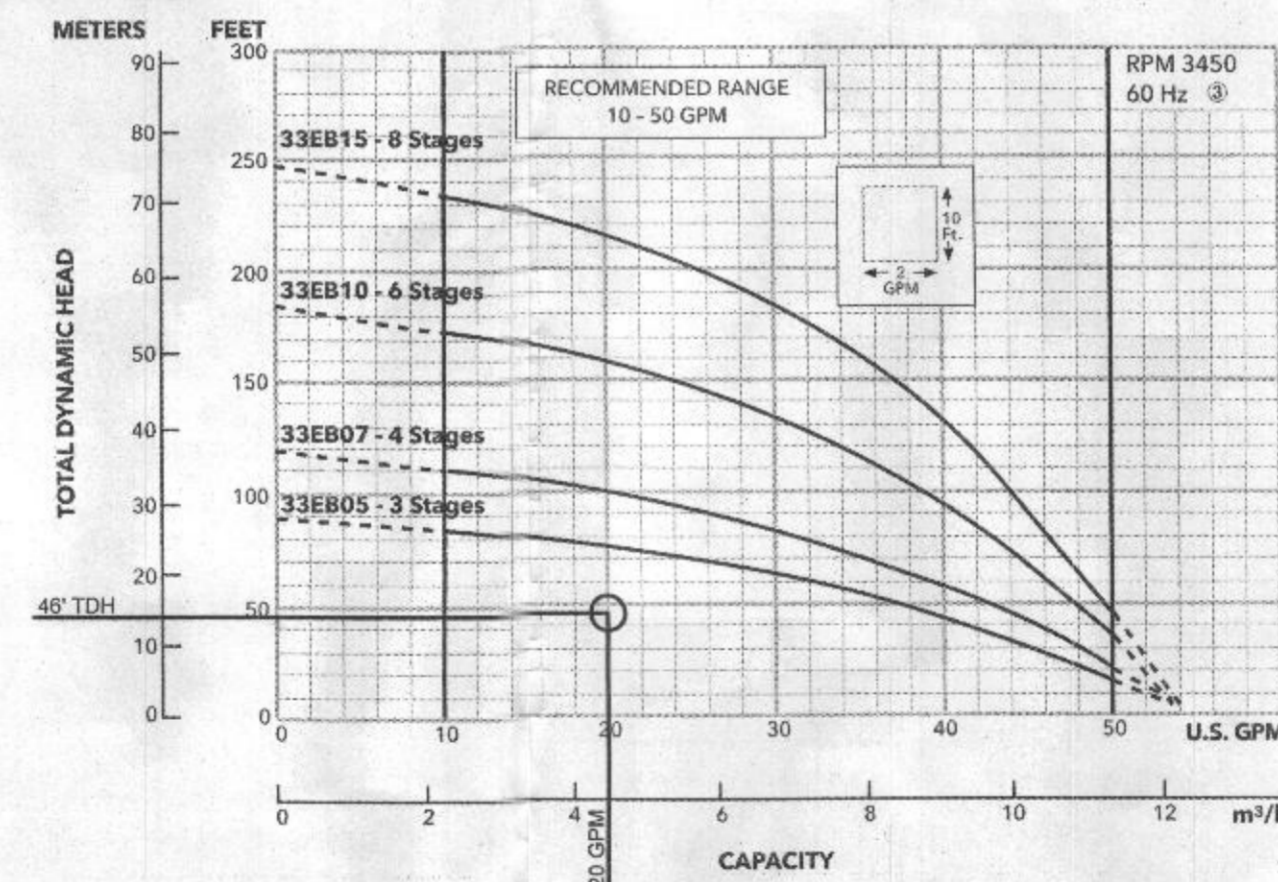
Mayer Brothers, Inc.
 6264 Race Road
 Elkridge, Maryland 21075
 Tel: 410.796.1424
 Fax: 410.796.1438
 www.mayerbrothersprecast.com

**600 GPD BNR SYSTEM
 H-600 BNR
 with 750 GALLON PUMP CHAMBER**

Dwg. No. Hoot Form #1 No Scale March 19, 2009



MODEL 33EB



GOULDS PUMPS PERFORMANCE CURVES

33EB

Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	CP Motor	L.O.A.②	W.E.	CP Motor	Total
33EB0522J, 33EB0521J	1/2	1	3	11.0	11.0	22.0	4	19	23
33EB0722J	3/4	1	4	12.2	12.4	24.6	5	23	28
33EB1022J	1	1	6	14.7	13.3	28.0	6	25	31
33EB1522J	1 1/2	1	8	17.1	14.9	32.0	7	29	36

Approved Septic System Plan
 Howard County Health Department
 HOOT 600 BNR
 107 Goulds 33EB Pump
 R. Bickel 12/27/2009
 Signature Date
 Pump to J-Box

SITE PLAN FOR BAT INSTALLATION

BOOSALIS PROPERTY

12090 HALL SHOP ROAD

TAX MAP 41 GRID 1
 5TH ELECTION DISTRICT

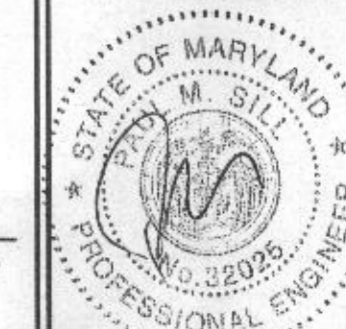
PARCEL 212
 HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER/PETITIONER

MICHAEL BOOSALIS
 12090 HALL SHOP ROAD
 CLARKSVILLE, MARYLAND 21029

ATTORNEY

CARNEY, KELEHAN, BRESLER, BENNETT & SCHERR, LLP
 C/O THOMAS MEACHAM, ESQ.
 10715 CHARTER DRIVE, SUITE 200
 COLUMBIA, MD 21044
 410-740-4600



SILL ENGINEERING GROUP, LLC

11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 410.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: RA
 DRAWN BY: RAJEA
 CHECKED BY: PS
 SCALE: 1"=30'
 DATE: NOVEMBER 30, 2017
 PROJECT #: 15-043
 SHEET #: 2 of 2

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. 30205, EXPIRATION DATE: JUNE 26, 2019



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

Letter of Satisfaction Hoot System Installation

Address of Property: 12090 HALL SHAP RD
CLARKSVILLE MD 21029

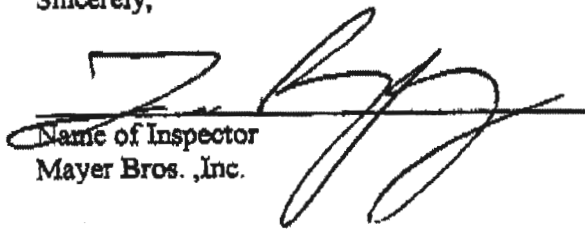
Date of Final Inspection: 2-21-18

Installer: Diversified Application

Hoot Technician/Inspector: LEE Pumphrey

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

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,
Custom Precast Products

Collins, Sarah

From: Collins, Sarah
Sent: Friday, March 23, 2018 9:00 AM
To: 'MTairypaving1@yahoo.com'
Subject: 12090 Hall Shop Road

Hi Mr. Boosalis,

Thanks for meeting me on site yesterday. I have given the final approval for the septic permit, so we just need the well abandonment report before we can release the building permit.

I am sending out a Notice of Violation today per my supervisor regarding the old well on the property. As long as the well is sealed by 4/6 there won't be any further actions.

Please note that the well will need potability samples (bacteria, turbidity, nitrate, and sand) and well as a radium sample. The radium samples can take up to 45 days so it would be best to get the sampling done as soon as possible. We will not be able to give final approval to the building permit until we get passing samples.

Let me know if you have any questions.

Thanks,
Sarah

Sarah Collins, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
SCollins@howardcountymd.gov
410-313-6287

CONFIDENTIALITY NOTICE

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MAIL STOP ROAD

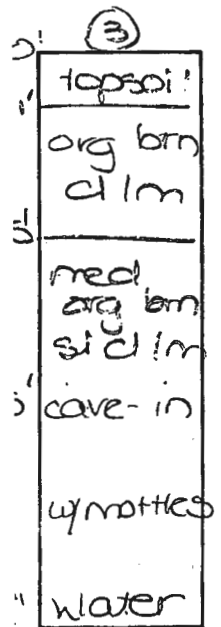
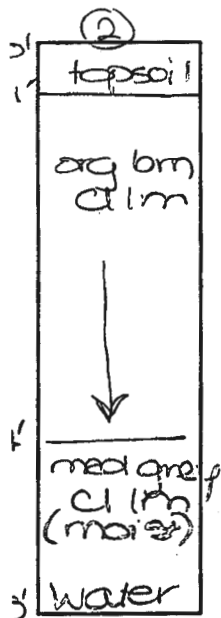
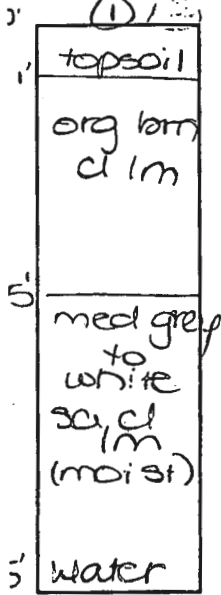
2/8/2016

2/8/12

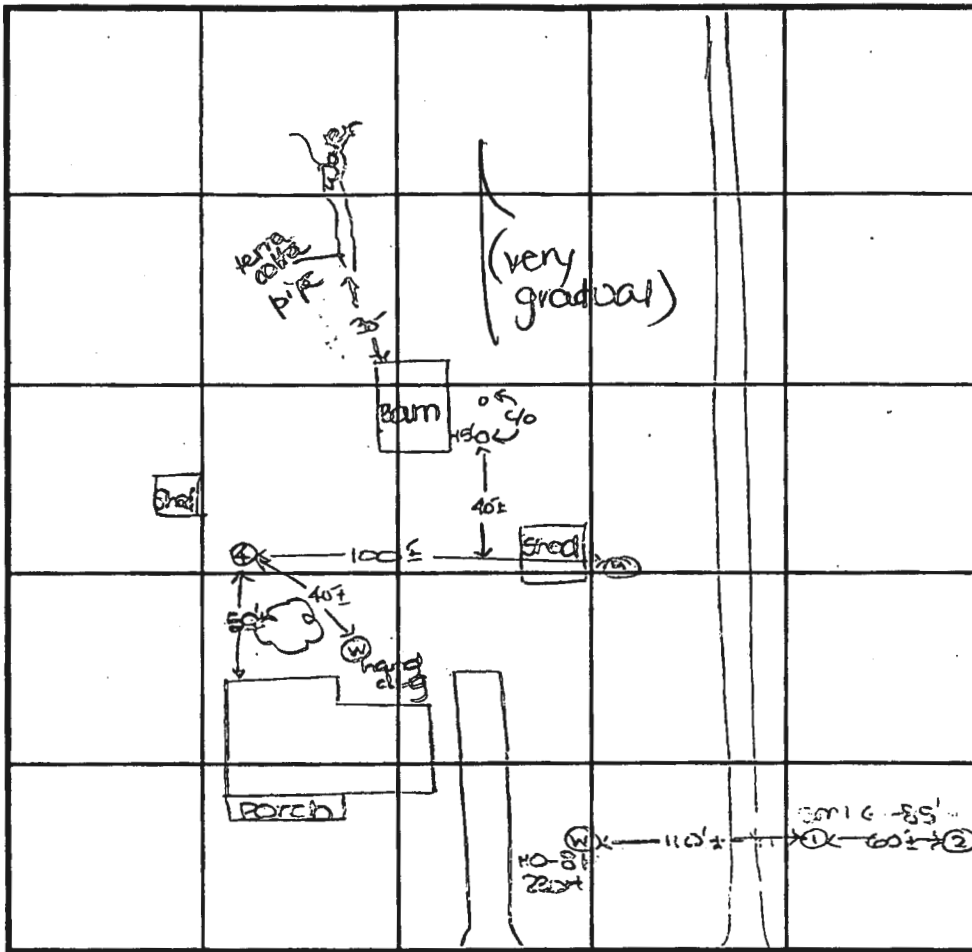
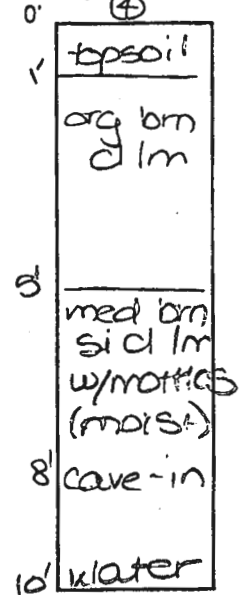
12090 HAZEL SHOP RD



SOIL PROFILE ①



SOIL PROFILE ④



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Hall Shop Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-19-98	1	7.5' D	Water	—	—	→	FAIL
	2	5.0' D	Water	—	—	→	FAIL
	3	9'8" D	Water	(cave-in @ 5.0')	—	→	FAIL
	4	10.0' D	Water	(mottles @ 5.0')	—	→	FAIL

REMARKS no test holes were staked

TYPE OF SOIL _____

TESTED BY D. SOE ALSO PRESENT Mr. & Mrs. Laubach, Pat Boen, reactor, J. Floyd

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____