



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 0000
PROPERTY ADDRESS 14975 Old Frederick Rd. Woodbine 21797
STREET TOWN ZIP
TAX ACCOUNT # 324382 TAX MAP 0008 GRID 0009 PARCEL 0022 LOT NO. PROPOSED LOT SIZE (ACRES) 5.5500 AC
ZONING CATEGORY TIER

PROPERTY OWNER(S) John and Breanne Shaw
DAYTIME PHONE CELL 443-812-3056 EMAIL johnshaw901@gmail.com
MAILING ADDRESS 14975 Old Frederick Rd. Woodbine, MD 21797
STREET CITY, STATE ZIP

APPLICANT John Shaw RELATIONSHIP TO OWNER: Owner
DAYTIME PHONE 443-812-3056 CELL 443-812-3056 EMAIL johnshaw901@gmail.com
MAILING ADDRESS 14975 Old Frederick Rd. Woodbine, MD 21797
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

John Wayne Shaw

[Handwritten Signature]

7/26/2016

SIGNATURE OF APPLICANT

DATE

Old Frederick Rd

AVP A559777

#5

#3

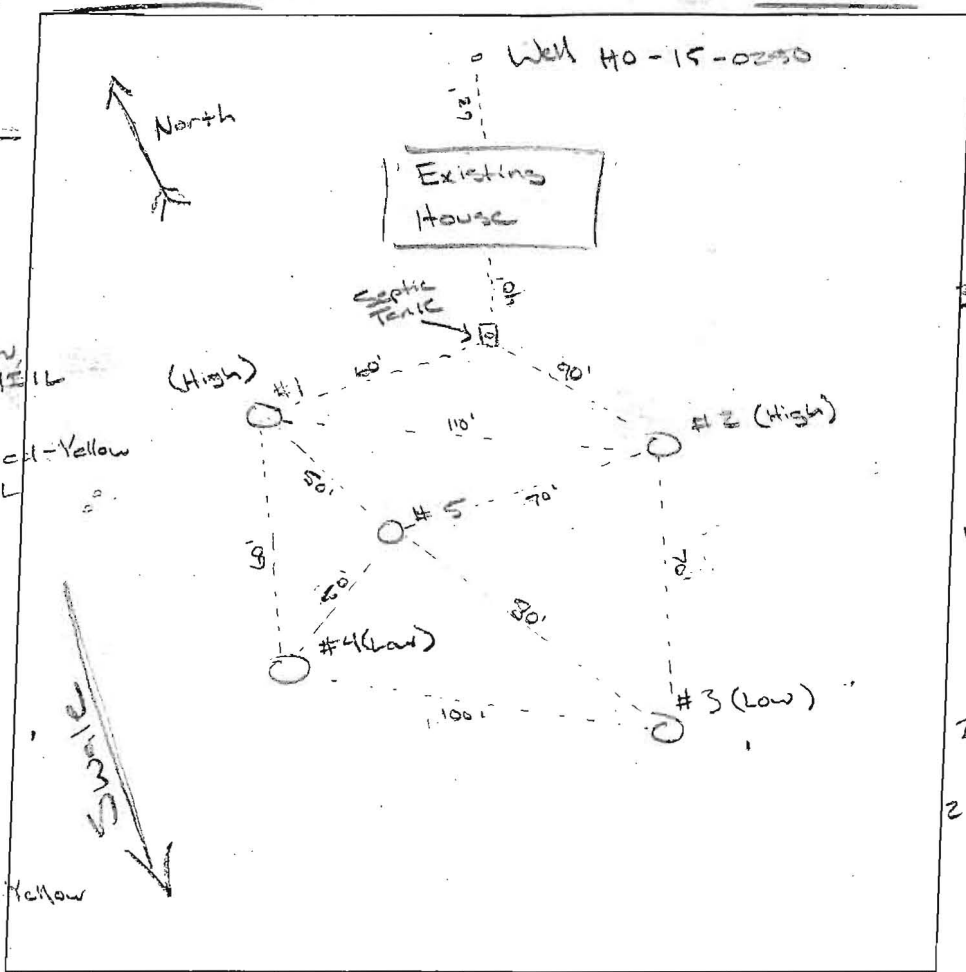
Dark Brown L  
Red Brown L  
2 FSBK  
2.5  
Chs L  
Yellow Red  
3.5  
Red, Red Yellow,  
Light Gray, CHSIL  
Thin Platy  
6.5  
Red, Yellow, Red-Yellow  
Light Gray SIL  
Thin Platy  
11.5

#4

Dark Brown L  
2 MSBK  
Red Brown L  
2.6  
Red, Yellow, Red Yellow  
CHSIL  
Thin Platy  
6.5  
Red, Yellow, Red-Yellow, Light Gray  
CHSIL  
Thin Platy  
11.5

#1

Dark Brown L  
Red Brown L  
4.5  
Red Yellow SIL  
Red, Red-Yellow  
CHSIL  
Thin Platy  
7  
Red, Yellow, Red-Yellow  
Light Gray  
CHSIL  
11  
Red, Red-Yellow, Brown  
CHSIL  
Few Mier  
Moist  
14



#5

2 FSBK  
0.6  
Dark Brown L  
Yellow-Red  
Loam  
10-15% Channer  
2.3  
Red, Yellow, Yellow  
SIL  
3.5  
Dense Thick Platy  
Red, Yellow  
Light Gray  
Red-Yellow SIL  
Common Partic Brown  
(MN) Coatings on  
Concentrations  
Thin Platy  
11.5

#2

Dark Brown L  
Red Brown  
2 FSBK  
CHL  
2  
Yellow, Red-Yellow  
SIL  
2.5  
Thick Platy  
Very Thin Platy  
Red, Light Gray  
SIL  
Few Partic Brown  
(MN) Coatings on  
Concentrations  
12

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/26/16	3	6 / 11.5	10:56	11:00	11:09	9	P
10/26/16	4	5.3 / 11.5	11:53	11:59	12:10	11	P
10/26/16	1	14	Visual	4.5 - 10'	0.9 GPM/ft <sup>2</sup>		P
10/26/16	5	5' / 11.5	1:17	1:20	1:25	5	P
10/26/16	2	5.2 / 12	1:47	1:48	1:50	2	Repair
	2	5.2 / 12	Stop watch	2:20	4:56	2.6	P

REMARKS #1 5-10' Down Hill of existing trench; 30-35' from stake, 4' Buffer

SANITARIAN Robert Freeman BACKHOE Kevin Crocker OTHERS Charles Crocker Proven

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

Date Performed 10/26/16





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Twitter: HowardCoHealthDep

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

### MEMORANDUM

TO: Charles Crocken  
922 Lee Ave.  
Sykesville, MD 21157

FROM: Robert Freemon *RF*  
Well & Septic Program

RE: 14795 Old Frederick Rd.  
Woodbine MD 21797  
"Perc Cert Comments"

DATE: 10/31/2016

I have reviewed the Perc Cert for 14795 Old Frederick Rd. and here are my comments.

- ✓ The area labeled "Septic Area" needs to be relabeled "Sewage Disposal Area".
- ✓ There needs to be two alt. well sites on the lot or a well box (1500sqft) encompassing the existing well for designated future replacement area. These alt well sites/well box must meet all setbacks.
- ✓ Note 6 needs to have "Pretreatment is proposed:" removed and replaced with "If pretreatment is required for building permit:"
- ✓ Delete note 4.
- ✓ Delete Ex. Tree/Woods line from legend or add an Ex. Tree/Woods line on the plan.
- ✓ Delete Denotes Slopes 25% or Greater from the legend as it is not shown on the plan.
- ✓ Delete Ex. Sewage Disposal Area from the legend.
- ✓ Delete "Denotes Proposed Percolation Test" from notes. Add Passing Perc Holes to the legend.
- ✓ Delete Proposed Lot Line from the Legend.
- ✓ Delete Existing Easements from the Legend only.

**Freemon, Robert**

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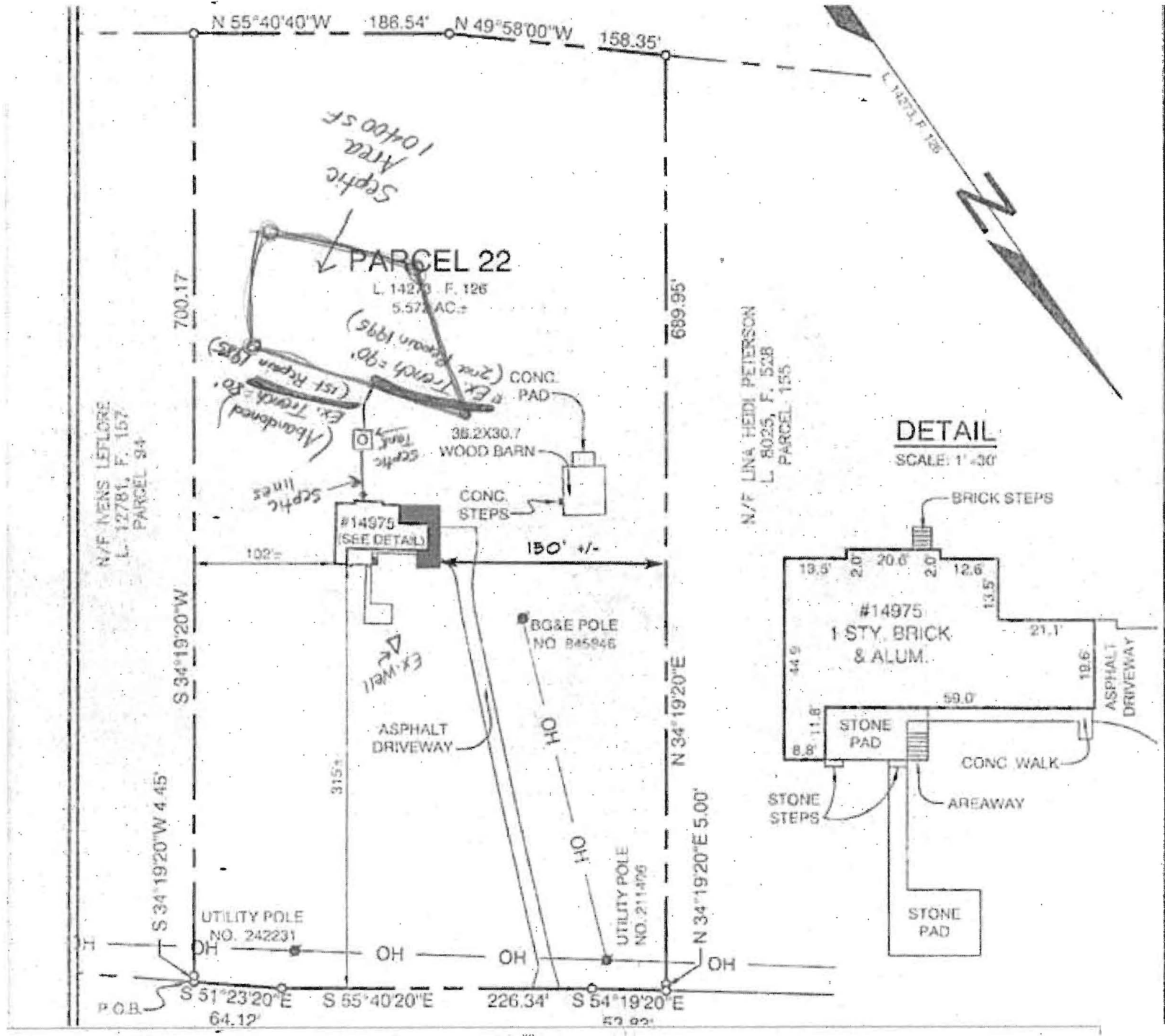
**From:** Breanne Shaw <harlogpres@gmail.com>  
**Sent:** Friday, November 04, 2016 3:09 PM  
**To:** Freemon, Robert  
**Subject:** Shaw project

This is what I sent over to the DILP. I Cc you on it. I hope this is okay and is what you were talking about!

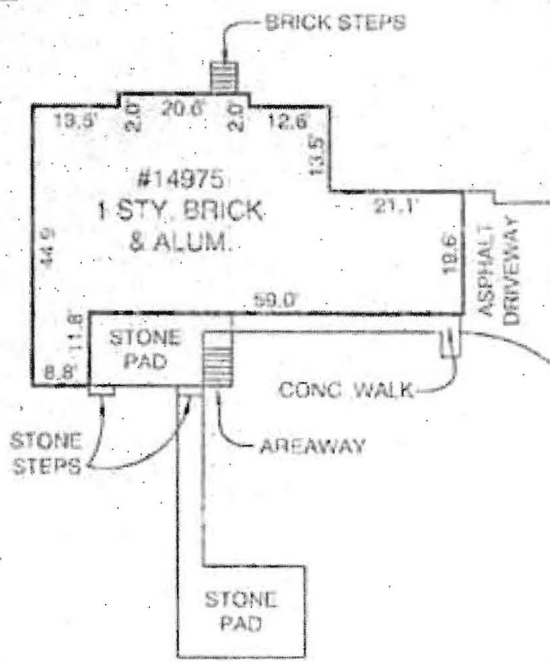
Thanks,

Check Accella  
for Revised Site Plan

- Not seen as of  
11/9/16



**DETAIL**  
 SCALE: 1"=30'



## Freemon, Robert

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**From:** Freemon, Robert  
**Sent:** Friday, October 28, 2016 2:13 PM  
**To:** 'Breanne Shaw'  
**Subject:** RE: Shaw project  
**Attachments:** 14975 Old Frederick.pdf; Original Site Plan.pdf; Perc Cert.pdf

Hey Breanne,

Attached are the Perc Results for 14975 Old Frederick Rd. We are working on finishing up the Perc Cert making minor corrections. In the mean time I need a Revised Site Plan submitted to DILP (Dept. of Inspection, Licensing and Permits) showing the components of the well and septic system (well, septic lines, septic tank, (all) trenches, SDA). I have attached your original site plan along with the portion of the perc cert showing the well and septic system. You can draw the well and septic system in on the original site plan if you wish. It does not have to be done by an engineer. If you have any questions let me know. Thanks.

*Robert Freemon*  
*Howard County Health Department*  
*8930 Stanford Blvd. Columbia, MD 21045*  
*Well and Septic Program*  
*Phone: 410-313-6357*  
*Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)*  
*<https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>*

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**From:** Breanne Shaw [<mailto:harlogpres@gmail.com>]  
**Sent:** Monday, October 24, 2016 1:38 PM  
**To:** Freemon, Robert  
**Subject:** Re: Shaw project

Not yet. The engineer said he could have someone come out as soon as we found out a Perc Test day. I'll call him now and let him know that we decided on Wednesday!

Thanks,  
Breanne Shaw

Sent from my iPhone

On Oct 24, 2016, at 1:35 PM, Freemon, Robert <[rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)> wrote:

Breanne,  
The holes need to be dug while I am there. Are the test holes staked already?

*Robert Freemon*  
*Howard County Health Department*  
*8930 Stanford Blvd. Columbia, MD 21045*  
*Well and Septic Program*  
*Phone: 410-313-6357*  
*Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)*

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**From:** Breanne Shaw [<mailto:harlogpres@gmail.com>]  
**Sent:** Monday, October 24, 2016 1:27 PM  
**To:** Freemon, Robert  
**Subject:** Re: Shaw project

My husband said Wednesday at 10:00am would work for him! Do the holes need to be dug before you get there or while your there?

Thanks,  
Breanne Shaw

Sent from my iPhone

On Oct 24, 2016, at 1:09 PM, Freemon, Robert <[rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)> wrote:

Hey Breanne,  
I spoke with the engineer and he is bringing me the New Perc Test Plans today. I will review them once they get here. Foreseeing that everything checks out I can schedule as early as Wednesday this week 10/26 at 10:00am. Let me know if this works for you.

**Robert Freemon**  
**Howard County Health Department**  
**8930 Stanford Blvd. Columbia, MD 21045**  
**Well and Septic Program**  
**Phone: 410-313-6357**  
**Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)**

---

**From:** Breanne Shaw [<mailto:harlogpres@gmail.com>]  
**Sent:** Monday, October 24, 2016 12:17 PM  
**To:** Freemon, Robert  
**Subject:** Shaw project

I just spoke with the engineer and he said that he had talked to you and you said you were able to possibly do the perk test this week. Do you know which day so I can tell my husband and him? He said he's going to hand deliver the revised perc plan to you today.

Thanks,  
Breanne Shaw  
443-812-0225

Sent from my iPhone

**Freemon, Robert**

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**From:** crcengr2@comcast.net  
**Sent:** Thursday, October 13, 2016 9:28 AM  
**To:** Freemon, Robert  
**Subject:** Re: 14975 Old Frederick Rd.  
**Attachments:** Shaw Rev SDA.pdf

Robert,

I am aware of the swale and the location of the SDA. The property is located close to the ridge line and the area draining to the swale is small approximately 0.35 acres with only 10% impervious area. Therefore the amount of runoff is very small with little or no concentrated flow.

If we locate the SDA as suggested the existing trench ( which is functioning satisfactorily ) will be located outside the SDA. At your suggestion we shall locate the SDA to the East but keep the existing trench in the SDA. By excavating an observation hole between perks as you indicated we can keep the distance between holes to less than 100'.

Please see the attached sketch and let me know what you think.

CRC

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**From:** "Robert Freemon" <[rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)>  
**To:** [rcengr2@comcast.net](mailto:rcengr2@comcast.net)  
**Sent:** Wednesday, October 12, 2016 4:28:32 PM  
**Subject:** 14975 Old Frederick Rd.

Hey Charles,

I received the Perc Test Plan for 14975 Old Frederick Rd. and I have a concern about the proposed (Septic Disposal Area) SDA. I would like to shift the Perc holes more East to avoid the swale as much as possible. I have attached what I am proposing for you to look at. We would like to avoid the swale while keeping test hole #1 close to the existing trench to confirm the four foot buffer. Typically we like to see test holes no more than 100ft apart. If you have any questions or concerns about this please let me know. Thanks!

**Robert Freemon**

*Howard County Health Department*

*8930 Stanford Blvd. Columbia, MD 21045*

*Well and Septic Program*

*Phone: 410-313-6357*

*Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)*



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

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### MEMORANDUM

TO: John Shaw  
14795 Old Frederick Rd.  
Woodbine MD 21797

FROM: Robert Freemon *RIF*  
Well & Septic Program

RE: 14795 Old Frederick Rd.  
Woodbine MD 21797  
***Before Building Permit Approval***

DATE: 7/22/2016

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I am reviewing the building permit B16002618 for 14795 Old Frederick Rd. Before the building permit can be approved the following requirements must be met.

- ✓ The existing pit well needs to be properly abandoned and documentation of the abandonment needs to be sent to the Health Dept. The replacement well must be approved, connected to the house, and put into service.
- ✓ Floor plans of the existing house and the proposed addition need to be sent to the Health Dept.
- A Percolation Certification Plan must be approved by the Health Dept. The Perc Cert plan designates a Sewage Disposal Area (SDA) for the initial system and two replacements. The fee for this is \$506 for the Perc Test Application, Testing and Plan review. See the attached fact sheet regarding this process.
- The floor plans along with the Percolation Certification will be used to determine if the existing septic system is adequate for the proposed addition. If the system is determined to be inadequate, an upgrade will be required which would include a Best Available Technology Unit (BAT Unit). If needed, a BAT plan must be submitted and approved and the upgrade must be installed prior to Health approval of the building permit. See the attached fact sheet regarding the BAT plan.

**Freemon, Robert**

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**From:** John Shaw <johnshaw901@gmail.com>  
**Sent:** Tuesday, July 26, 2016 1:42 PM  
**To:** Freemon, Robert  
**Subject:** Re: 14975 Old Frederick Rd.  
**Attachments:** Heaslth Department App.pdf

Hi Robert,

The existing pit well was abandoned today by the well company. I can get you pictures of that as soon as I get home from work today and send them to your email. My wife is going to bring the existing house plan to the Health Department tomorrow. What steps do I need to take next in order to get the ball rolling on the Perc Test? Where do I need to send the \$506.00 required to do the test? Also, I started filling out the Perc. Test Application and got stuck on some of the things I needed to fill out. I will attache what I have so far.

Thanks,  
John Shaw  
443-812-3056

On Jul 26, 2016, at 10:24 AM, Freemon, Robert <[rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)> wrote:

Hey John,  
I got your message this morning and took a look at the email I sent you. I see I did not attach the memo. Sorry about that here it is. If you have any questions let me know.

**Robert Freemon**  
**Howard County Health Department**  
**8930 Stanford Blvd. Columbia, MD 21045**  
**Well and Septic Program**  
**Phone: 410-313-6357**  
**Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)**

<14975 Old Frederick Rd.pdf>

- Ask well company to send us the report of the abandonment.
- Fill out Perc Application  
Perc Certification Plan  
    W  
    Test
- Director of Finance  
    Bredd

## Freemon, Robert

---

**From:** Freemon, Robert  
**Sent:** Tuesday, July 26, 2016 3:56 PM  
**To:** 'John Shaw'  
**Subject:** RE: 14975 Old Frederick Rd.  
**Attachments:** Perc test and plan requirements for dev lots.pdf; ENGINEERS & Surveyors REV 6-28-02.doc; 14975 Old Frederick.pdf

Hey John,

The report/documentation of the demolition needs to be sent to the Health Dept. along with the pictures. These can be dropped off at our office or emailed to me. The payment should be written out to "Director of Finance" and brought to the Health Office. Before we can start Percolation Testing we need the payment, the filled out Application and a Perc Test Plan approved by the Health Dept. (preferably submitted altogether). The Perc Test Plan needs to be created, signed and stamped by a certified engineer. The test plan cannot be submitted by email to the Health Dept. Someone with a backhoe will need to be hired to dig the test holes. This can be a friend or a contractor. I have attached a list of engineers we normally deal with and our requirements for a Perc Test Plan. I have also attached the SDAT for the property to help fill out the rest of the application. The applicant would be the contact person for this project. This would be an upgrade existing OSDS. I hope this helps. If anything is unclear or if you have any more questions let me know.

*Robert Freemon  
Howard County Health Department  
8930 Stanford Blvd. Columbia, MD 21045  
Well and Septic Program  
Phone: 410-313-6357  
Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)*

---

**From:** John Shaw [<mailto:johnshaw901@gmail.com>]  
**Sent:** Tuesday, July 26, 2016 1:42 PM  
**To:** Freemon, Robert  
**Subject:** Re: 14975 Old Frederick Rd.

Hi Robert,

The existing pit well was abandoned today by the well company. I can get you pictures of that as soon as I get home from work today and send them to your email. My wife is going to bring the existing house plan to the Health Department tomorrow. What steps do I need to take next in order to get the ball rolling on the Perc Test? Where do I need to send the \$506.00 required to do the test? Also, I started filling out the Perc. Test Application and got stuck on some of the things I needed to fill out. I will attach what I have so far.

Thanks,  
John Shaw  
443-812-3056

**Freemon, Robert**

---

**From:** Freemon, Robert  
**Sent:** Friday, July 22, 2016 11:17 AM  
**To:** 'johnshaw901@gmail.com'  
**Subject:** FW: 14975 Old Frederick Rd.  
**Attachments:** Perc test and plan requirements for dev lots.pdf; Perc App\_revised 10.29.15.pdf; HCHD BP Process.pdf; Well & Septic SETBACKS.pdf; 14975 Old Frederick Rd revised.pdf

Hi John,

I talked to Sarah and it sounds like you did not receive my first email on 6/22 concerning floor plans. I have attached a memo explaining everything that needs to be done before the building permit can be approved. I have also attached our requirements concerning the Building Permit Process and Percolation Certification. If you need anything else or have any questions don't hesitate to contact me.

*Robert Freemon*  
*Howard County Health Department*  
*8930 Stanford Blvd. Columbia, MD 21045*  
*Well and Septic Program*  
*Phone: 410-313-6357*  
*Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)*

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**From:** Freemon, Robert  
**Sent:** Tuesday, June 28, 2016 3:57 PM  
**To:** 'johnshaw901@gmail.com'  
**Subject:** 14975 Old Frederick Rd.

Hi John,

I am reviewing building permit #B16002618 for 14975 Old Fredrick Rd. Woodbine, MD 21797. I need to see floor plans of the existing house and the proposed addition. If you submitted floor plans through DILP we did not receive them. You can either email them to me directly or you can drop them off at our office. If you have any questions feel free to contact me.

*Robert Freemon*  
*Howard County Health Department*  
*8930 Stanford Blvd. Columbia, MD 21045*  
*Well and Septic Program*  
*Phone: 410-313-6357*  
*Email: [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)*

**CHARLES R. CROCKEN  
& ASSOCIATES, INC.**

Civil Engineering and Land Planning  
902 Lee Avenue Sykesville, MD 21784  
Tel. 410-549-2708 Fax. 410-549-9063

**LETTER OF TRANSMITTAL**

TO HOWARD CO HEALTH DEPT.  
ENVIRONMENTAL HEALTH  
8930 STANFORD BLVD.  
COLUMBIA, MD. 21045

DATE	11-1-2016	JOB NO.	
ATTENTION	SPENSER FREEMAN		
RE:	SHAW PROPERTY		
	14975 OLD FREDERICK RD		

**GENTLEMEN:**

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

- Shop drawings     Prints     Plans     Samples     Specifications  
 Copy of letter     Change order     \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
3	11/1	1	PERK CERT. PLAN

**THESE ARE TRANSMITTED as checked below:**

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval  
 For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution  
 As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints  
 For review and comment     \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_ 19\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS REVISED PER EMAIL FROM HCHD 10/31/16.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

COPY TO File / SHAW SIGNED: Charles Crocken

**CHARLES R. CROCKEN  
& ASSOCIATES, INC.**  
Civil Engineering and Land Planning  
902 Lee Avenue Sykesville, MD 21784  
Tel. 410-549-2708 Fax. 410-549-9063

**LETTER OF TRANSMITTAL  
SPENSER**

DATE 10-04-16	JOB NO.
ATTENTION ROBERT FREEMAN ES	
RE: SHAW PROPERTY 4975 OLD FREDERICK RD	

TO HOWARD CO. HEALTH DEPT.  
ENVIRONMENTAL HEALTH  
8930 STANFORD BLVD  
COLUMBIA, MD. 21045

GENTLEMEN:

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

Shop drawings     Prints     Plans     Samples     Specifications

Copy of letter     Change order     \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
3	10/24	1	PEAK TEST PLAN

THESE ARE TRANSMITTED as checked below:

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- For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution
- As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints
- For review and comment     \_\_\_\_\_
- FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS REVISED PER EMAIL OF 10-21-16

COPY TO File / SHAW    SIGNED: Charles Crocker

**CHARLES R. CROCKEN  
& ASSOCIATES, INC.**  
Civil Engineering and Land Planning  
902 Lee Avenue Sykesville, MD 21784  
Tel. 410-549-2708 Fax. 410-549-9063

**LETTER OF TRANSMITTAL**

*SPENCER*

DATE	10-04-16	JOB NO.	—
ATTENTION	ROBERT FREEMAN P.S		
RE:	SHAW PROPERTY 14975 OLD FREDERICK RD		

TO HOWARD Co HEALTH DEPT.  
ENVIRONMENTAL HEALTH  
8930 STANFORD BLVD  
COLUMBIA, MD. 21045

**GENTLEMEN:**

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- Shop drawings     Prints     Plans     Samples     Specifications
- Copy of letter     Change order     \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
3	10/24	1	PERK TEST PLAN

THESE ARE TRANSMITTED as checked below:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval
- For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution
- As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints
- For review and comment     \_\_\_\_\_
- FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS REVISED PER EMAIL OF 10-21-16

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

COPY TO File / SHAW

SIGNED: Charles Crocker

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

**CHARLES R. CROCKEN  
& ASSOCIATES, INC.**

Civil Engineering and Land Planning  
902 Lee Avenue Sykesville, MD 21784  
Tel. 410-549-2708 Fax. 410-549-9063

**LETTER OF TRANSMITTAL**

TO HOWARD CO. HEALTH DEPT.  
ENVIRONMENTAL HEALTH  
8930 STANFORD BLVD.  
COLUMBIA, MD. 21045

DATE	OCT 3, 2016	JOB NO.	
ATTENTION			
RE:	SHAW PROPERTY 14975 OLD FREDERICK		

**GENTLEMEN:**

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

Shop drawings  Prints  Plans  Samples  Specifications

Copy of letter  Change order  \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
3	OCT 3	1	PERCOLATION TEST PLAN

**THESE ARE TRANSMITTED as checked below:**

- For approval  Approved as submitted  Resubmit \_\_\_\_\_ copies for approval
- For your use  Approved as noted  Submit \_\_\_\_\_ copies for distribution
- As requested  Returned for corrections  Return \_\_\_\_\_ corrected prints
- For review and comment  \_\_\_\_\_
- FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

COPY TO File/Shaw

SIGNED: Charles Crocken

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

PAV. DRWY.

↑ SLOPE

EX. WELL HO-15-0250

PROP. ADDITION (SEE DETAIL)

EX. HOUSE

RIDGE LINE

700.17'

640

100' R

POLE

644

30.7'

EX. BARN

EX. GRAVEL DRWY.

0.35 Ac.

SEPTIC TANK

642

EX. HO

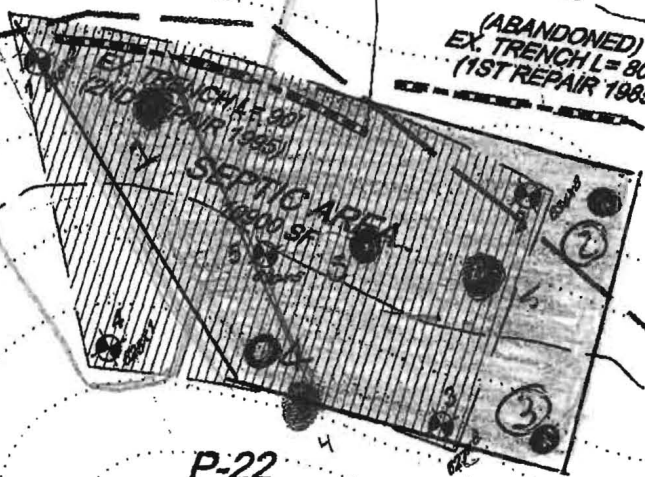
EX. WELL

638

(ABANDONED) EX. TRENCH L=30' (1ST REPAIR 1985)

640

PARCEL 94 12781/151 IVENS LEFLOI ZONED-RC



GgB

GgC

S 34°19'20" W

630

GgB

GgC

P-22 LIBER 14767, FOLIO 01 5.557 ACRES±

620



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 0000
PROPERTY ADDRESS 14975 Old Frederick Rd. Woodbine 21797
TAX ACCOUNT # 324382 TAX MAP 0008 GRID 0009 PARCEL 0022 LOT NO. PROPOSED LOT SIZE (ACRES) 5.5500 AC
ZONING CATEGORY TIER

PROPERTY OWNER(S) John and Breanne Shaw

DAYTIME PHONE CELL 443-812-3056 EMAIL johnshaw901@gmail.com
MAILING ADDRESS 14975 Old Frederick Rd. Woodbine, MD 21797

APPLICANT John Shaw

RELATIONSHIP TO OWNER: Owner

DAYTIME PHONE 443-812-3056 CELL 443-812-3056 EMAIL johnshaw901@gmail.com
MAILING ADDRESS 14975 Old Frederick Rd. Woodbine, MD 21797

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

John Wayne Shaw

[Handwritten Signature]

7/26/2016

SIGNATURE OF APPLICANT

DATE



**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045

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[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

---

Date: 10/28/16

To: John Shaw  
14975 Old Frederick Rd.  
Woodbine, MD 21797

Re: Percolation Test Report  
14975 Old Frederick Rd.  
Woodbine, MD 21797

Percolation tests were conducted at 14975 Old Frederick Rd. (Tax Map 8, Parcel 22) on Oct. 26th 2016. Tests and profile descriptions were documented for 5 locations (1,2,3,4 & 5). All 5 perc test holes passed. Please note that hole #1 was dug as a visual. All holes must be field located and accurately represented on the perc certification plan.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be at least 10,000 square feet and large enough to accommodate an initial and two replacement systems for the proposed dwelling.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the sewage disposal area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-6357 or by email [rfreemon@howardcountymd.gov](mailto:rfreemon@howardcountymd.gov)

Respectfully,

A handwritten signature in black ink, appearing to read 'Robert Freemon', is written over a horizontal line.

Robert Freemon  
Bureau of Environmental Health  
Well & Septic Program

Attachment: Percolation Field Notes

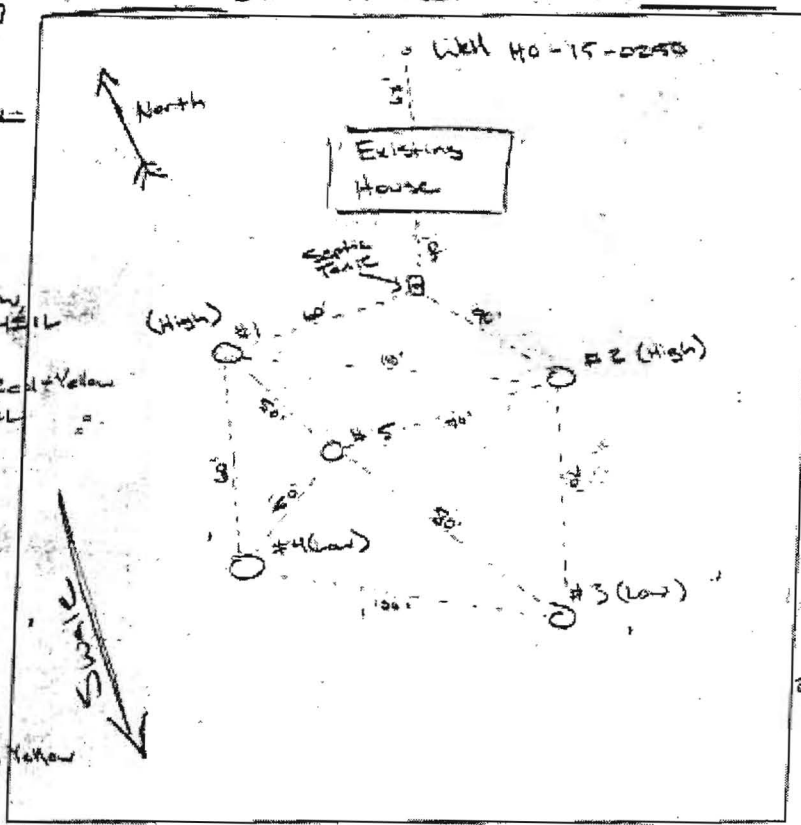
APAS 5777

Old Frederick Rd

#8  
 2 Dark Brown L  
 2 Real Brown L  
 2 FSBK  
 Ch SIL  
 Yellow Red  
 3.5 Red, Red Yellow  
 Light Gray, CH SIL  
 Thin Platy  
 6.5 Red, Yellow, Red + Yellow  
 Light Gray SIL  
 Thin Platy  
 11.5

#4  
 4 Dark Brown L  
 2 MSBK  
 Red Brown L  
 Red, Yellow, Red Yellow  
 CH SIL  
 Thin Platy  
 6.5 Red, Yellow, Red + Yellow, light Gray  
 CH SIL  
 Thin Platy  
 11.5

#1  
 2.5 Dark Brown L  
 Red Brown L  
 4.5 Red Yellow SIL  
 Red, Red - Yellow  
 CH SIL  
 Thin Platy  
 7 Red, Yellow, Red - Yellow  
 Light Gray  
 CH SIL  
 11 Red, Red - Yellow, Brown  
 CH SIL  
 Few Mic  
 Moist  
 14



#5  
 0.5 2 FSBK  
 Dark Brown L  
 Yellow - Red  
 Loam  
 10-15% Channer  
 2.5 Red, Yellow, Yellow  
 SIL  
 Thin Thick Platy  
 3.5 Red, Yellow  
 Light Gray  
 Red - Yellow SIL  
 Loam, Dark Brown  
 (MN) Coatings on  
 Concentration  
 Thin Platy  
 11.5

#2  
 2 Dark Brown L  
 Red Brown  
 2 FSBK  
 CHL  
 Yellow, Red, Yellow  
 SIL  
 Thick Platy  
 2.5 Very Thin Platy  
 Red, light Gray  
 SIL  
 Few Dark Brown  
 (MN) Coatings on  
 Concentration  
 12

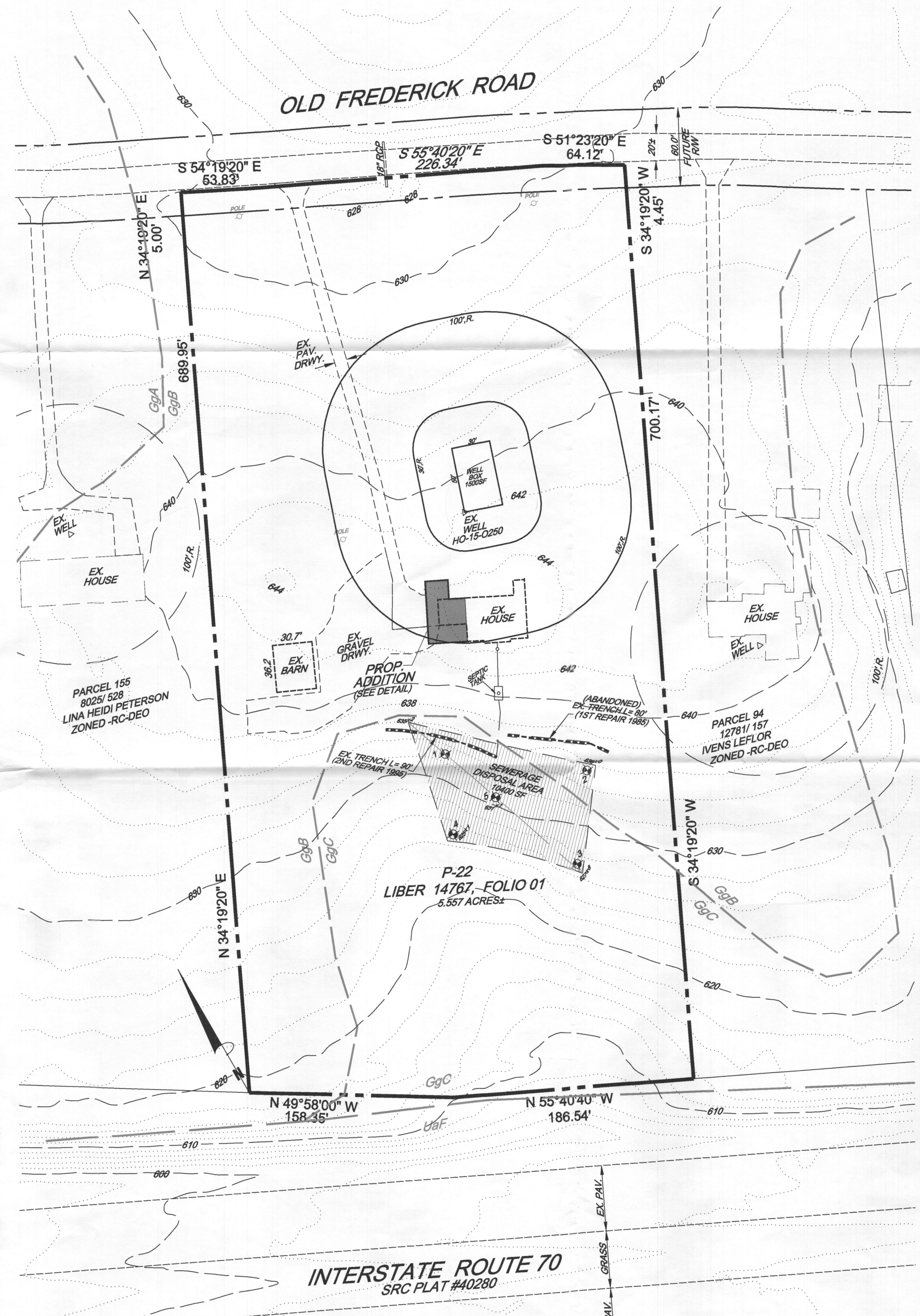
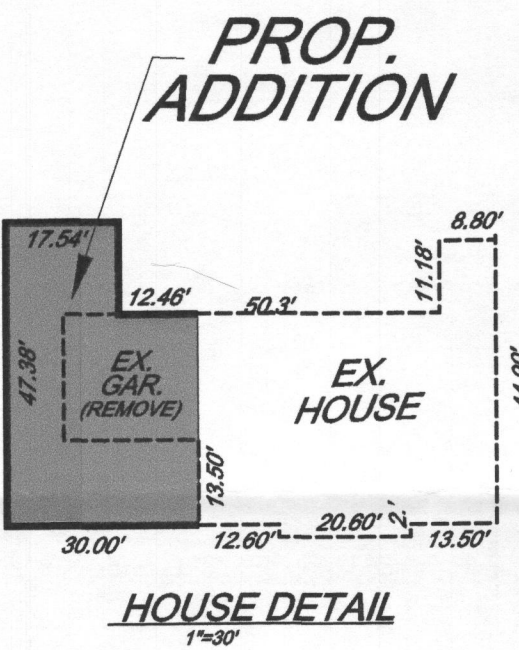
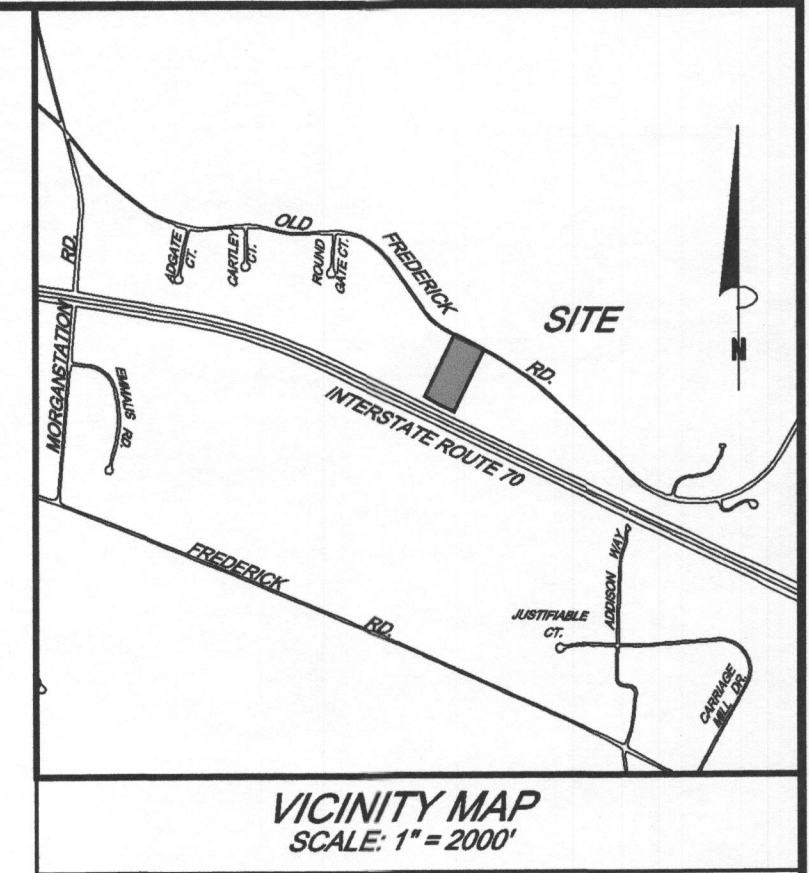
DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2ND INCH	P/F/H
10/26/16	3	6 / 11.5	10:56	11:00	11:09	9	P
10/26/16	4	5.5 / 11.5	11:53	11:59	12:10	11	P
10/26/16	1	14	Visual	4.5 - 10'	0.9 GPM / 4'		P
10/26/16	5	5 / 11.5	1:17	1:20	1:25	5	P
10/26/16	2	5.2 / 12	1:47	1:48	1:50	2	Repair
Repair	2	5.2 / 12	ump switch	2:20	4:56	2.6	P

REMARKS #1 5-10' Down Hill of existing trench; 30-35' from stake, 4' deep  
 SANITARIAN Robert Freeman BACKHOE Kevin Crocker OTHERS Charles Crocker Power  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/HR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_, MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

Test Performed 10/26/16

SOILS LEGEND					
SYMBOL	NAME/DESCRIPTION	SOIL GROUP	K-VALUE	K-VALUE	HYDRIC GROUP
GgA	Glenelg loam, 0 to 3 percent slopes	B	0.28	+	NOT HYDRIC
GgC	Glenelg loam, 8 to 15 percent slopes	C	0.28	+	NOT HYDRIC
GgC	Glenelg loam, 8 to 15 percent slopes	B	0.28	+	NOT HYDRIC
UaF	Udorthents, Highway, 0 to 65 percent slopes	-	-	-	-

SOIL TYPES BASED ON HOWARD COUNTY SOIL SURVEY MAP # 13 OF 29 / ELLICOTT CITY SW, MARYLAND



- OWNERS: JOHN W. SHAW, BREANNE N. SHAW, 14975 OLD FREDERICK ROAD, WOODBINE, MARYLAND 21797. DEED REFERENCE: LIBER 14767, FOLIO 001. DATE: MARCH 13, 2013. GRANTEE: HSBC BANK.
- TAX MAP 008, GRID 08, PARCEL 022
- THE BOUNDARY SHOWN HEREON IS BASED UPON LIBER 14767, FOLIO 001
- SOILS BASED UPON NRCS - SOIL WEB MAPS
- WATER SERVICE IS PRIVATE, SEWER SERVICE IS PRIVATE
- THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON THIS PROPERTY BASED ON FEMA INSURANCE RATE MAP COMMUNITY PANEL 40462C0048D ZONE 'X'
- TOPOGRAPHY SHOWN HEREON IS FIELD RUN BASED UPON HOWARD COUNTY GIS DATA NAVD83, CONTOUR INTERVAL: +2 FT. CHECKED BY ORC & ASSOC., INC. AND IS AN ACCURATE REPRESENTATION OF FIELD CONDITIONS.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET UNLESS SHOWN HEREON.
- SUBJECT PROPERTY IS ZONED RC-DEO
- THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA AND A WELL AREA IN SUPPORT OF AN ANTICIPATED BUILDING PERMIT APPLICATION

- This area designates a private sewage area of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. This area 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. Recreational use of a modified sewage area shall not be necessary.
- The lot shown hereon complies with the minimum ownership, width, and lot area as required by the Maryland State Department of the Environment.
- Existing wells, septic systems, and sewage disposal areas within 100' of the property and those wells within 200' down gradient of existing or proposed septic systems or sewage disposal areas have been shown.
- Any changes to a private sewage area shall require a revised perc certification plan.
- If pretreatment is required for building permits: An advanced pre-treatment system, which utilizes best available technology to perform nitrogen reduction, must be installed on the septic system located on subject property LIBER 12898, FOLIO 389 in accordance with MDE regulations. A supplemental site plan with all of the necessary details for installation of the system will be required prior to the release of the building permit (if applicable) and septic system installation permit. In addition, an operation and maintenance contract agreement must be filed with Howard County Land Records prior to release of the septic system permit.

**LEGEND**

EX. PROPERTY LINE	---
EX. RIGHT-OF-WAY	----
EX. CONTOURS	..... 10'
	..... 15'
	..... 12'
PROP. CONTOURS	..... 12'
	..... 15'
SOILS LINE	---HC2---
	---H652---

DEMOTES "PASSED" PERCOLATION TEST

PERCOLATION CERTIFICATION PLAN	
THE SHAW PROPERTY SINGLE FAMILY DETACHED LIBER: 14767, FOLIO 01 ZONED RC-DEO	
#14975 OLD FREDERICK ROAD	
FOURTH ELECTION DISTRICT TAX MAP #08, GRID 08, PARCEL 022 HOWARD COUNTY, MARYLAND	
Presented by: CHARLES R. CROCKEN AND ASSOCIATES, INC. 902 LEE AVE. SYKESVILLE, MARYLAND 21157 Tel. (410) 549-2708	
SCALE: 1"=50'	DATE: 08/27/16
SHEET 1 OF 1	

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

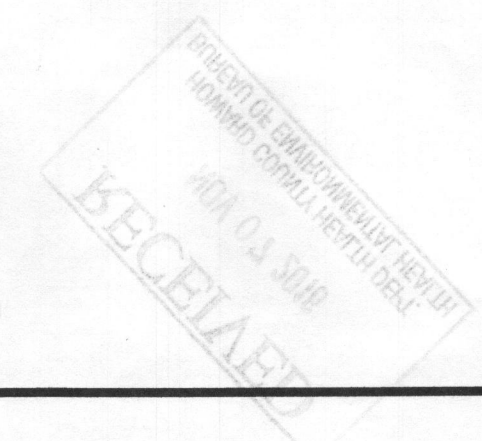
*Wifan for Maura Koszman* 11/15/2016  
HOWARD COUNTY HEALTH OFFICER DATE

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. 7803 EXPIRATION DATE 4-23-2017

*Charles R. Crocken* 11-1-2016  
CHARLES R. CROCKEN, PE, MD, LICENSE REG. NO. 7803 DATE

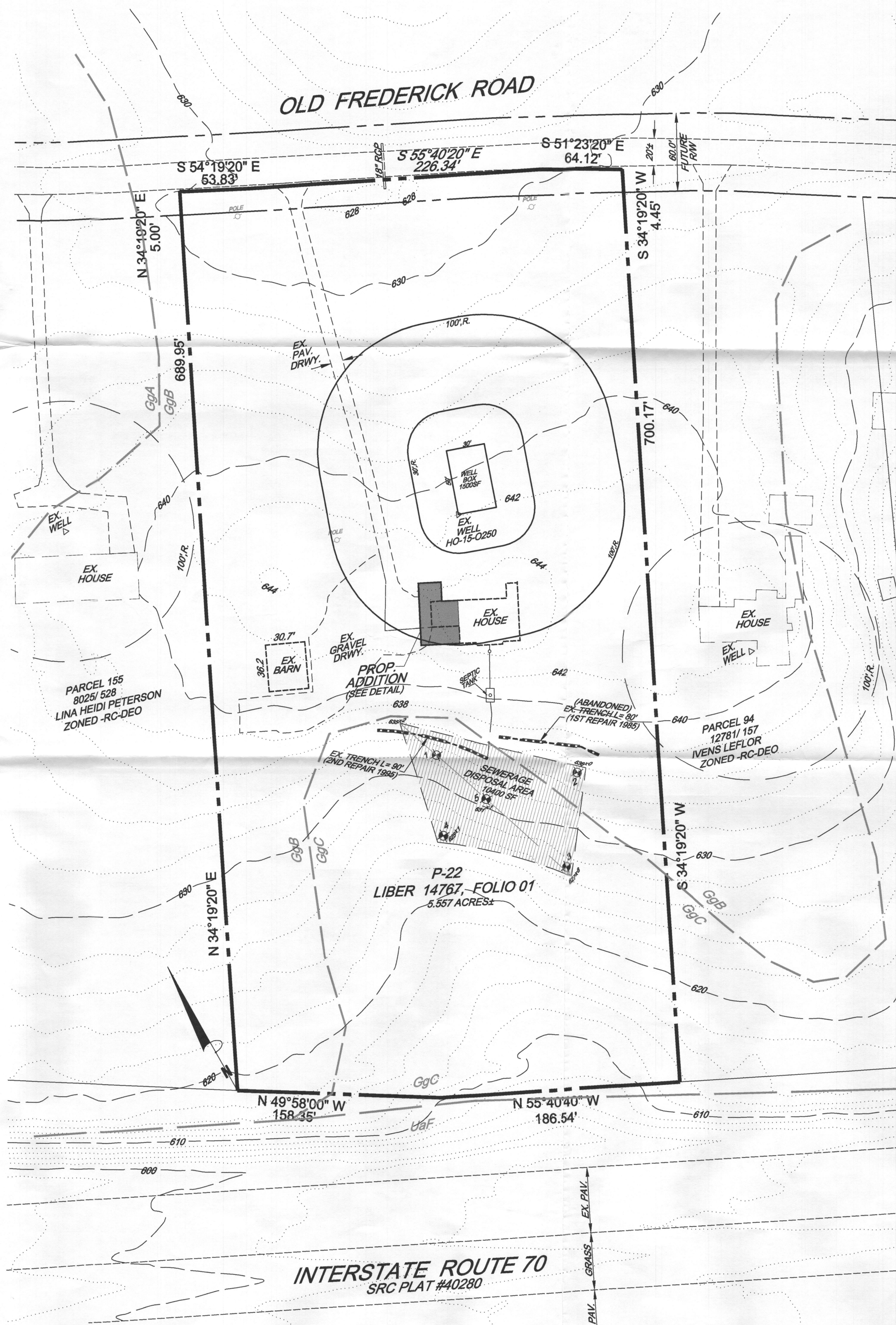
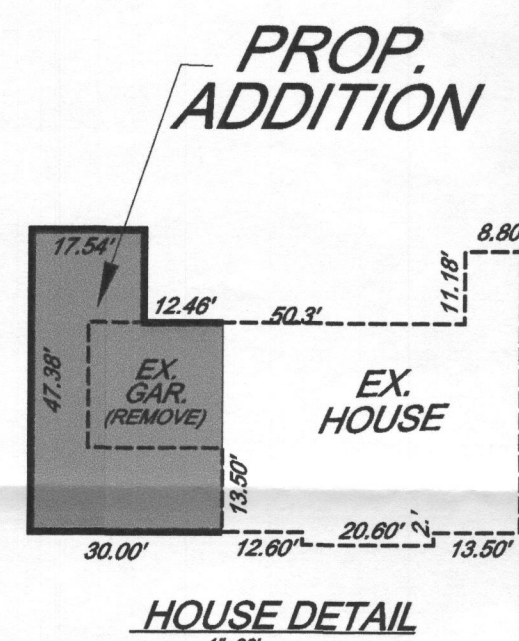
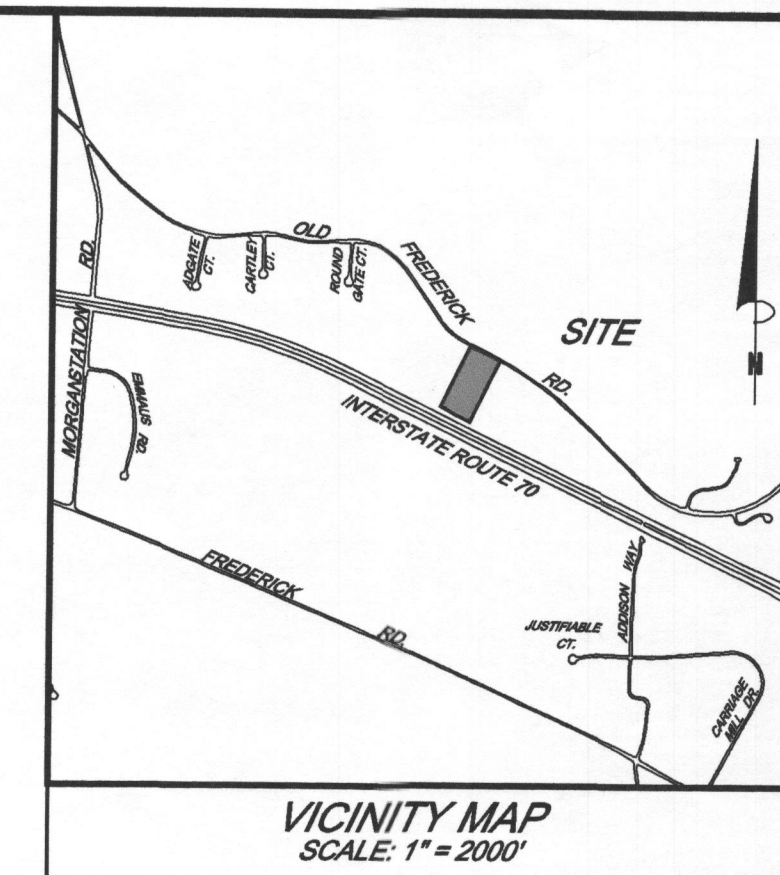
I HEREBY CERTIFY THAT THE PERCOLATION TEST LOCATIONS SHOWN HEREON ARE TO THE BEST OF MY KNOWLEDGE ARE CORRECT AS SHOWN.

*Charles R. Crocken* 11-1-2016  
CHARLES R. CROCKEN, PE, MD, LICENSE REG. NO. 7803 (EXPIRATION DATE 4-23-2017) DATE



SOILS LEGEND					
SYMBOL	NAME/DESCRIPTION	SOIL GROUP	K-VALUE	K-VALUE	HYDRIC GROUP
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GgC	Glenelg loam, 8 to 15 percent slopes	C	0.28	+	NOT HYDRIC
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UaF	Udorthents, Highway, 0 to 85 percent slopes				

SOIL TYPES BASED ON HOWARD COUNTY SOIL SURVEY MAP # 13 OF 29 / ELLICOTT CITY SW, MARYLAND



- OWNERS: JOHN W. SHAW, BREANNE K. SHAW, 14975 OLD FREDERICK ROAD, WOODBINE, MARYLAND 21787, DEED REFERENCE: LIBER 14767, FOLIO 01, DATE: MARCH 18, 2013, GRANITOR: HSBC BANK
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- SOILS BASED UPON NRCS - SOIL WEB MAPS
- WATER SERVICE IS PRIVATE, SEWER SERVICE IS PRIVATE
- THERE IS NO 100 YEAR FLOOD PLAIN LOCATED ON THIS PROPERTY BASED ON FEMA INSURANCE RATE MAP COMMUNITY PANEL #0402700MS0 ZONE X
- TOPOGRAPHY SHOWN HEREON IS FIELD RUN BASED UPON HOWARD COUNTY GIS DATA NAD83, CONTOUR INTERVAL = 2 FT CHECKED BY CRC & ASSOC., INC. AND IS AN ACCURATE REPRESENTATION OF FIELD CONDITIONS.
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**LEGEND**

EX. PROPERTY LINE	---
EX. RIGHT-OF-WAY	----
EX. CONTOURS	.....
PROP. CONTOURS	.....
SOILS LINE	----

DENOTES "PASSED" PERCOLATION TEST

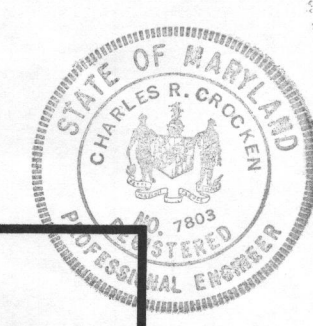
PERCOLATION CERTIFICATION PLAN		THE SHAW PROPERTY	
SINGLE FAMILY DETACHED			
LIBER 14767, FOLIO 01			
ZONED RC-DEO			
<b>#14975 OLD FREDERICK ROAD</b>			
FOURTH ELECTION DISTRICT TAX MAP #08, GRID 08, PARCEL 022			
HOWARD COUNTY, MARYLAND			
Prepared by:			
<b>CHARLES R. CROCKEN AND ASSOCIATES, INC.</b>			
902 LEE AVE.			
SYKESVILLE, MARYLAND 21157			
Tel. (410) 549-2708			
SCALE: 1" = 50'	DATE: 09/27/16	SHEET 1 OF 1	

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Barbara Maura* 11/15/2016  
HOWARD COUNTY HEALTH OFFICER DATE

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. 7803 EXPIRATION DATE 4-22-2017

*Charles R. Crocken* 11-1-2016  
CHARLES R. CROCKEN, PE, MD, LICENSE REG. NO. 7803 DATE



I HEREBY CERTIFY THAT THE PERCOLATION TEST LOCATIONS SHOWN HEREON ARE TO THE BEST OF MY KNOWLEDGE ARE CORRECT AS SHOWN.

*Charles R. Crocken* 11-1-2016  
CHARLES R. CROCKEN, PE, MD, LICENSE REG. NO. 7803 (EXPIRATION DATE 4-22-2017) DATE