



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 545132

AGENCY REVIEW: _____

DATE 8-27-13

DO NOT WRITE ABOVE THIS LINE

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

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH UNKNOWN PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Fowler Family Trust c/o MICHAEL SOONG

DAYTIME PHONE 240-568-9559 CELL _____ FAX _____

MAILING ADDRESS 11525 Jamestown Ct. Laurel Md. 20723
STREET CITY/TOWN STATE ZIP

APPLICANT Douglas C. Myers, LLC

DAYTIME PHONE 443-438-0860 CELL 443-438-0860 FAX 443-275-7375

MAILING ADDRESS 800 Scarlett Drive Towson Md. 21286
STREET CITY/TOWN STATE ZIP

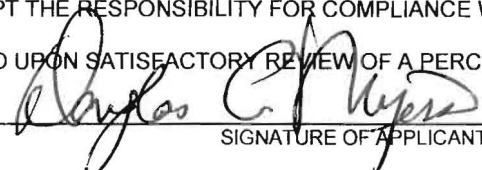
APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 13212 Clarksville Pike Highland Md. 20777
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 40 GRID 0005 PARCEL(S) 0063 PROPOSED LOT SIZE 2.573A±

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.


SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Bernard, Dana

From: msoong@comcast.net
Sent: Wednesday, February 19, 2014 9:44 AM
To: Bernard, Dana
Cc: Erika Xu; erikaxu@comcast.net; Wolf, Kevin
Subject: Re: 13212 Clarksville Pike Demo Request

Thank you for your prompt response.

From: "Dana Bernard" <dbernard@howardcountymd.gov>
To: "Kevin Wolf" <KWolf@howardcountymd.gov>, msoong@comcast.net
Cc: "Erika Xu" <Rui_Xu@cable.comcast.com>, erikaxu@comcast.net
Sent: Wednesday, February 19, 2014 9:22:39 AM
Subject: RE: 13212 Clarksville Pike Demo Request

Mr. Soong,

I received your revised percolation certification plans on February 14, 2014 . We currently have a 10 day grace period to review plans and all plans are reviewed in order of receipt. I will inform you when the plans have been reviewed and the outcome as soon as possible.

Thank you and have a nice day.

Dana

From: Wolf, Kevin
Sent: Wednesday, February 19, 2014 9:17 AM
To: msoong@comcast.net
Cc: Erika Xu; erikaxu@comcast.net; Bernard, Dana
Subject: RE: 13212 Clarksville Pike Demo Request

Mr. Soong,

Dana Bernard is the sanitarian who is reviewing your plans. She will let you know when they have been signed.

Kevin

CONFIDENTIALITY NOTICE

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From: msoong@comcast.net [mailto:msoong@comcast.net]
Sent: Friday, February 14, 2014 4:28 PM
To: Wolf, Kevin
Cc: Erika Xu; erikaxu@comcast.net
Subject: Re: 13212 Clarksville Pike Demo Request

Percolation Information- 13212 Clarksville Pike

NOT TO SCALE

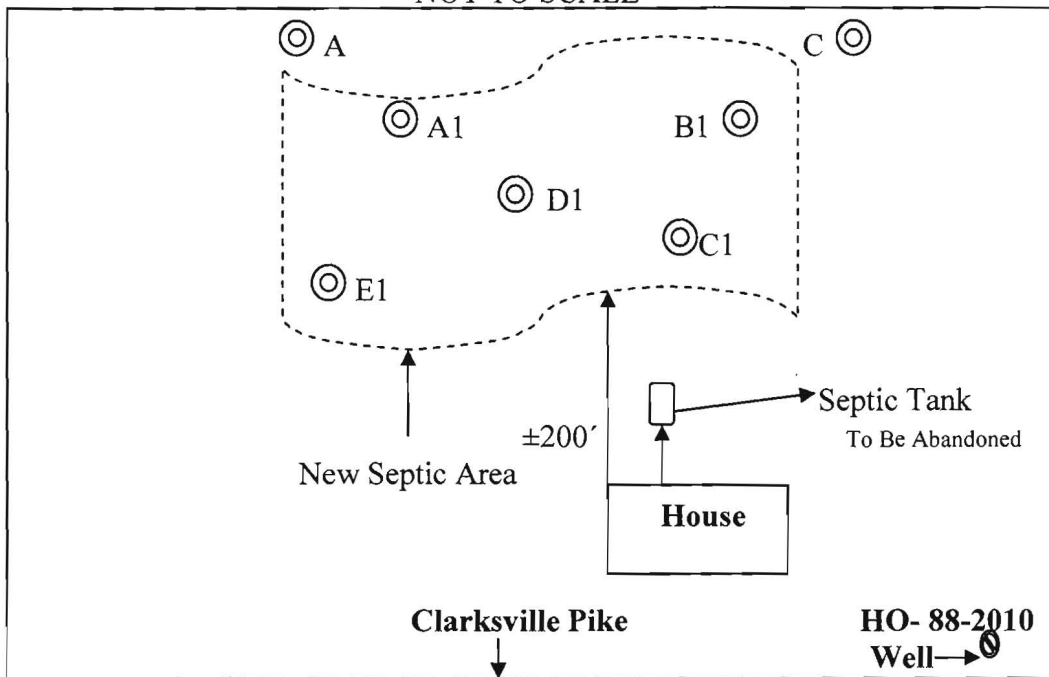
A

2sbk , Dk.Gray
Black SCL
-----0.5'

Red-Brown
SCL
Much Mica
5%-10%
Small RX
-----4'

Red Brown
SCL
Much Mica
Silty
-----9'

30-40% RX
Refusal @9'



B1

2sbk , Dk.
Gray
Black SCL
-----0.8'

Red-Brown
SCL
Much Mica
10-20% RX
-----4'

Red-Brown
Yellow
SL
Much Mica
Silty
-----8'

Red-Brown
Yellow
FSL'
-----15'

C

2sbk , Dk.Gray
Black SCL
-----0.5'

Red-Brown
Yellow
SL
Much Mica
-----5'

Red-Brown
Yellow
White
LS
H2O Seeping
in @ 7'
Grey Clay
Loam and
Modeling @ 7
-----10'

Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
9-24-13	A	9'		Refusal @9'			Fail
9-24-13	C	10'		H2O Seeping @ 7'			Fail
9-24-13	1A	5/ 15	10:44	10:51	11:01	10 min.	Pass
9-24-13	1B	5/ 15	11:00	11:02	11:06	4 min.	Pass
9-24-13	1C	5/ 15	11:48	11:52	11:57	5 min.	Pass
9-24-13	1D	5/ 15	11:22	11:28	11:35	8 min.	Pass
9-24-13	1E	5/ 15	11:40	11:50	12:05	15 min.	Pass

C1

2sbk , Dk.
Gray
Black SCL
-----0.8'

Red-Brown
Yellow
SCL (Dense)
Much Mica
-----4'

Red-Brown
Yellow
SL
Much Mica
-----8'

Red-Brown
Yell. FSL
Silty/ Shist
@9'
-----15'

A1

2sbk , Dk. Brn
Grey, SCL
-----0.8'

Red-Brown
SCL (Dense)
Many Mica
-----4'

Red-Brown
Yellow
SL
Silty
Many Mica
-----10'

Red Brown
Yellow
FSL
-----15'

D1

2sbk , Dk.
Gray
Black SCL
-----0.5'

Red-Brown
SCL
-----4'

Red Brown
Yellow
Much Mica
SL
20%-30%
Pockets of
Shist
-----9'

Red Brown
Yellow
FSL
-----14'

Remarks: __ Perc holes must be surveyed on Percolation Certification Plan. __ Existing setptic system must be abandoned.

Sanitarian D.Bernard Backhoe South Carroll Others _____

Test Holes Used in SDA 5 Avg. Perc Time 8 min. SQ.FT/BR _____

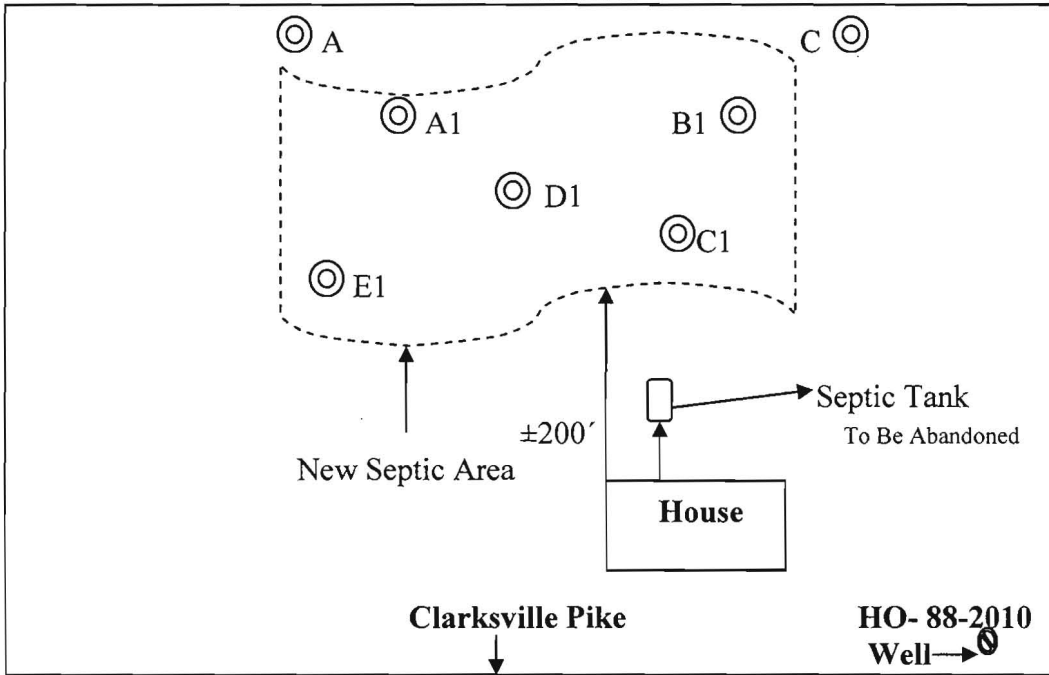
Trench Width _____ Inlet Depth _____ Max Bot.Depth 8 Effective S/W _____

Percolation Information- 13212 Clarksville Pike

NOT TO SCALE

E1

- 2sbk, Dk. Gray Black SCL
- 0.8'
- Red-Brown Yellow SCL (Dense) Much Mica
- 4'
- Red-Brown Yellow SL Much Mica
- 8'
- Red-Brown Yell. FSL Silty/ Shist @9'
- 15'



Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
9-24-13	A	9'		Refusal @9'	→		Fail
9-24-13	C	10'		H2O Seeping @7'	→		Fail
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Remarks: Perc holes must be surveyed on Percolation Certification Plan. Existing septic system must be abandoned.

Sanitarian D. Bernard Backhoe South Carroll Others

Test Holes Used in SDA 5 Avg. Perc Time 8 min. SQ.FT/BR

Trench Width Inlet Depth Max Bot. Depth 8 Effective S/W

Kevin,

I delivered three copies of percolation certification plans to your office this afternoon.

Please review the drawings and let me know if they are what you looking for.

Thanks,
Michael

From: "Kevin Wolf" <KWolf@howardcountymd.gov>
To: msoong@comcast.net
Sent: Wednesday, January 29, 2014 4:21:38 PM
Subject: 13212 Clarksville Pike Demo Request

Michael,

I got your voicemail. I did receive your demo request. I have about a half dozen in front of you. It should get an initial review this Friday with follow-up's next week. At a first glance, please remember that if public water and sewer are not available for your rebuild, you will need to have an approved percolation certification plan showing your septic reserve area along with other encroachment setbacks and requirements. If you plan to keep the existing well/septic, certifications, site visits by our office, and compliance paperwork will be required. On the demo request form you filled out, it briefly states this in code context in fine print near the bottom of the page. I will touch base with you on Friday.

Thanks,

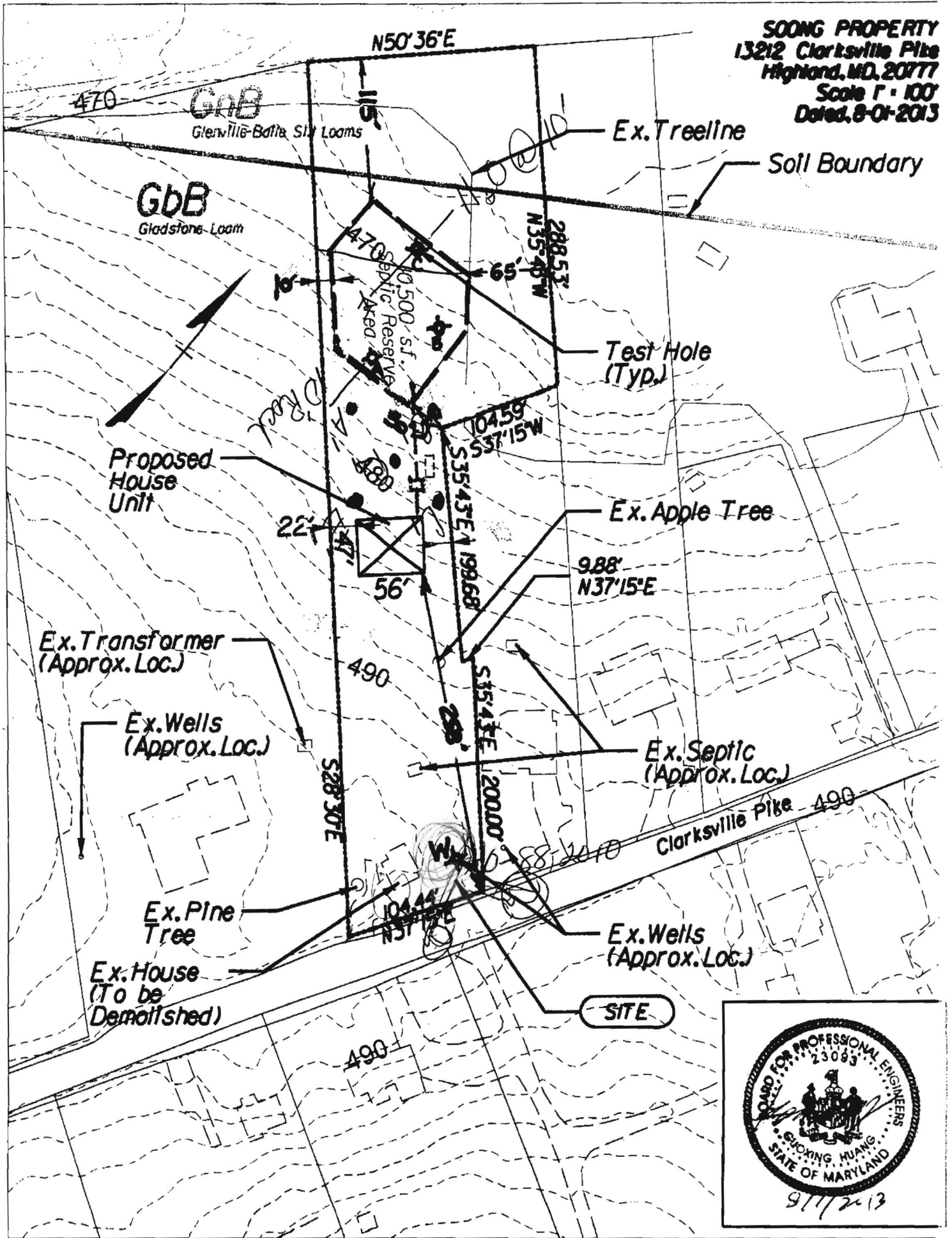
Kevin M. Wolf, R.S., R.E.H.S.
Bureau of Environmental Health
Well & Septic Program
Groundwater Mgmt. Sec.
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648

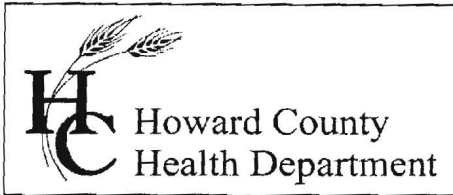


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SOONG PROPERTY
13212 Clarksville Pike
Highland, MD, 20777
Scale 1" = 100'
Dated 8-01-2013





Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

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

Date: October 3, 2013

To: Douglas C. Myers, LLC. (Developer)
Via E-mail: douglascmyers@gmail.com
800 Scarlett Drive
Towson, Maryland 21286

RE: **Percolation Testing Report**
13212 Clarksville Pike
Highland, Maryland 20777, Tax Map 40, Parcel 63

Mr. Myers,

Percolation testing was conducted on the referenced property on September 24, 2013. The purpose for conducting this percolation test was for an anticipated establishment of a sewage disposal area for the existing lot.

A total of seven (7) test holes were evaluated and five (5) were found to be satisfactory with moderate percolation rates and two (2) were unsatisfactory. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the five (5) percolation test holes which were satisfactory. The septic system on the existing lot must be abandoned because it will not accommodate the proposed house on the lot. Demolition of the existing house and the existing septic system must be abandoned prior to submission of any building permits for the lot. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

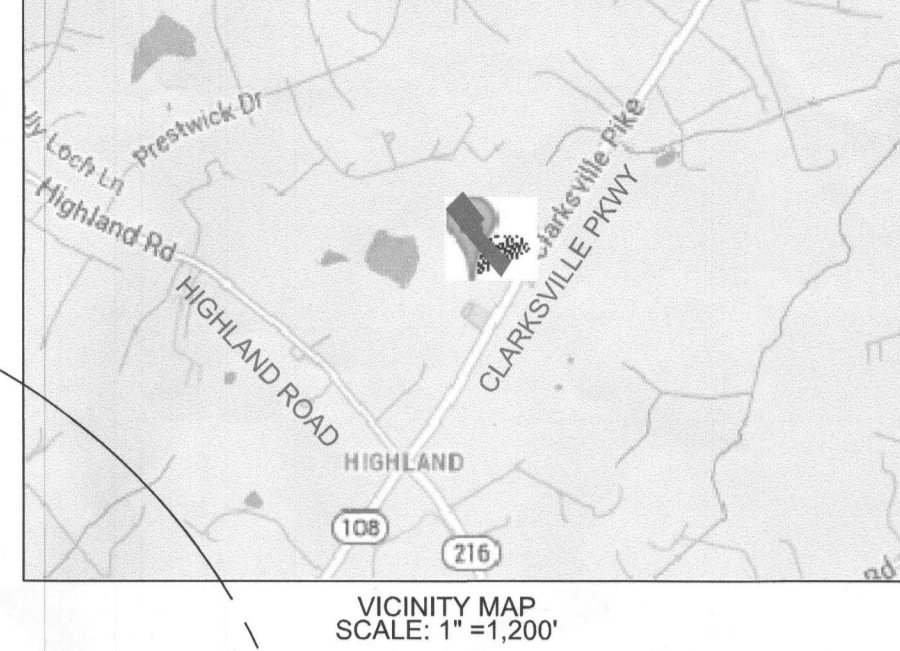
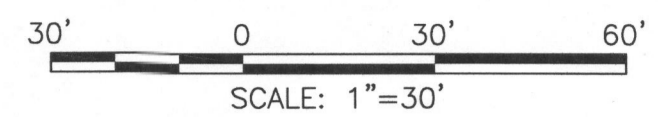
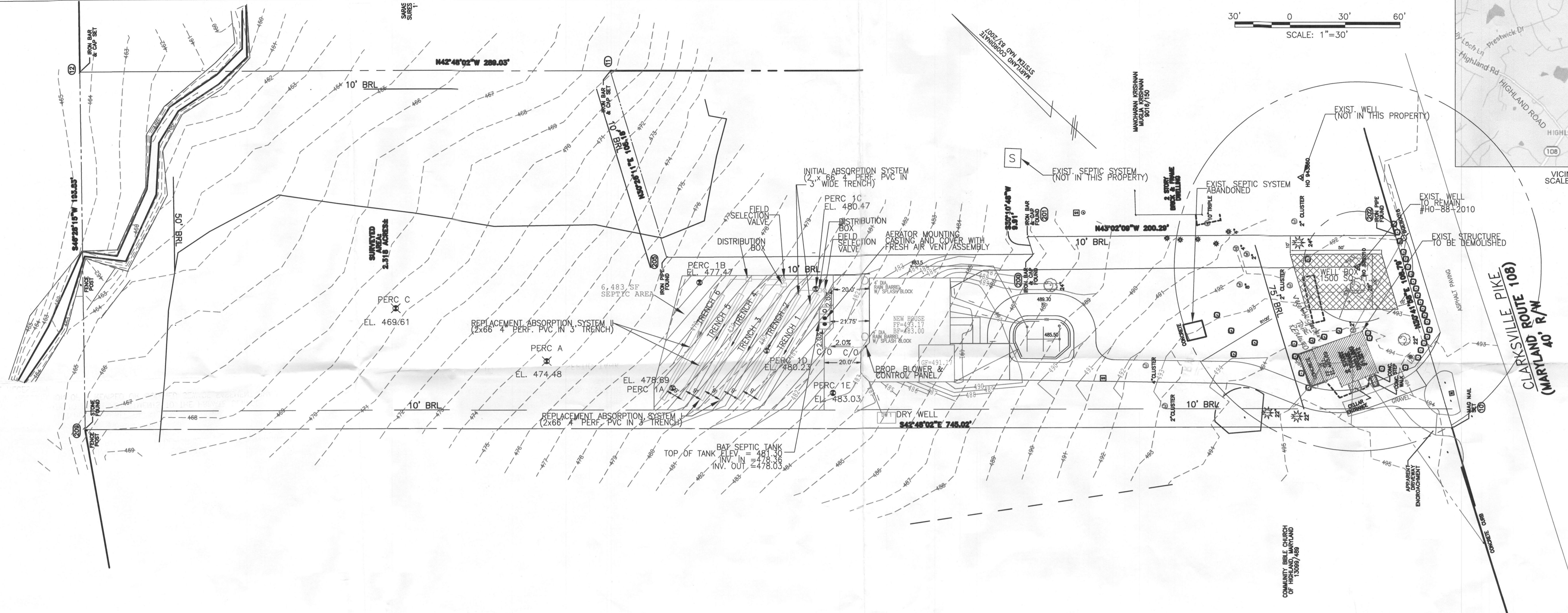
All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,


Dana Bernard, REHS/RS
Environmental Specialist II
Well and Septic Program

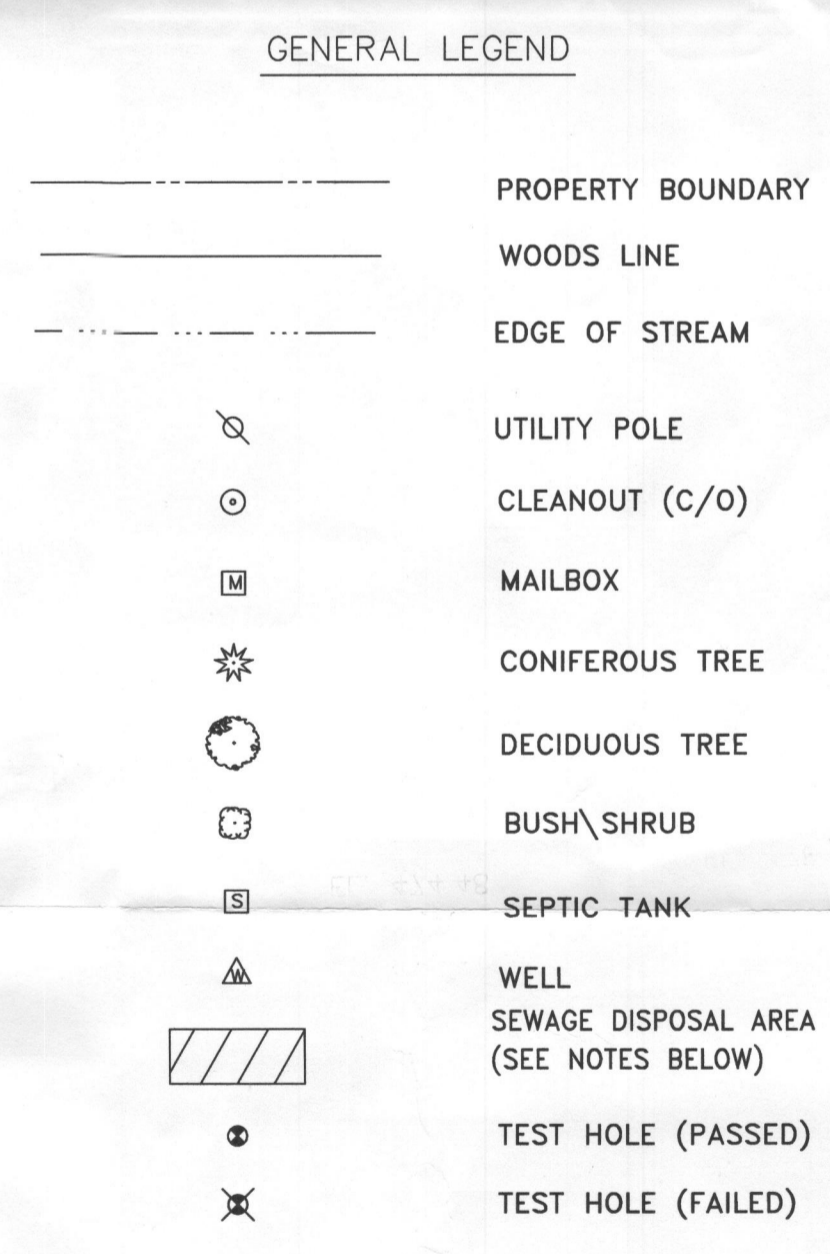
Enclosures (2)
File



ENDESCO, INC.
 ENGINEERS, DESIGNERS & CONSULTANTS
 438 NORTH FREDERICK AVENUE
 SUITE 455
 GAITHERSBURG, MD 20877

TITLE
 PERCOLATION CERTIFICATION PLAN

- STANDARD NOTES**
1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 2. THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM FIELD SURVEY PERFORMED BY GERHOLD, CROSS & ETZEL, LTD. AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
 3. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
 4. THE PURPOSE OF THIS PLAN IS TO SHOW THAT THE PROPOSED SEPTIC SYSTEM WILL BE SUFFICIENT IN TREATING THE WASTE FROM THE SUBJECT PROPERTY.
 5. THE LOT HEREIN COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND AREA AS REQUIRED BY MARYLAND DEPARTMENT OF ENVIRONMENT (MDE) FOR LOTS CREATED BEFORE MARCH 1972.
 6. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT RECORDATION OF A REVISED OR MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.



A545132 Percolation Information- 13212 Clarksville Pike
 NOT TO SCALE

Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2nd Inch	P/F/H
9-24-13	A	9'		Refusal @ 9'			Fail
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9-24-13	1E	5' 15"	11:40	11:50	12:05	15 min.	Pass

Remarks: Perc holes were surveyed on Percolation Certification Plan. Existing septic system must be abandoned.

Sanitarian: D. Bernard, Backhoe, South Carroll, Others

Test Holes Used in SDA: 5. Avg. Perc Time: 8 min. SQ. FT./BR. 4200/5

Trench Width: 3'. Inlet Depth: 3'. Max Bot. Depth: 7.0'. Effective S/W: 10'/3'

PROFESSIONAL CERTIFICATION

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

KEVIN GUOXING HUANG
 5-20-2014
 DATE

"APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS"

Kevin Guoxing Huang
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.
 DATE: 6/6/2014

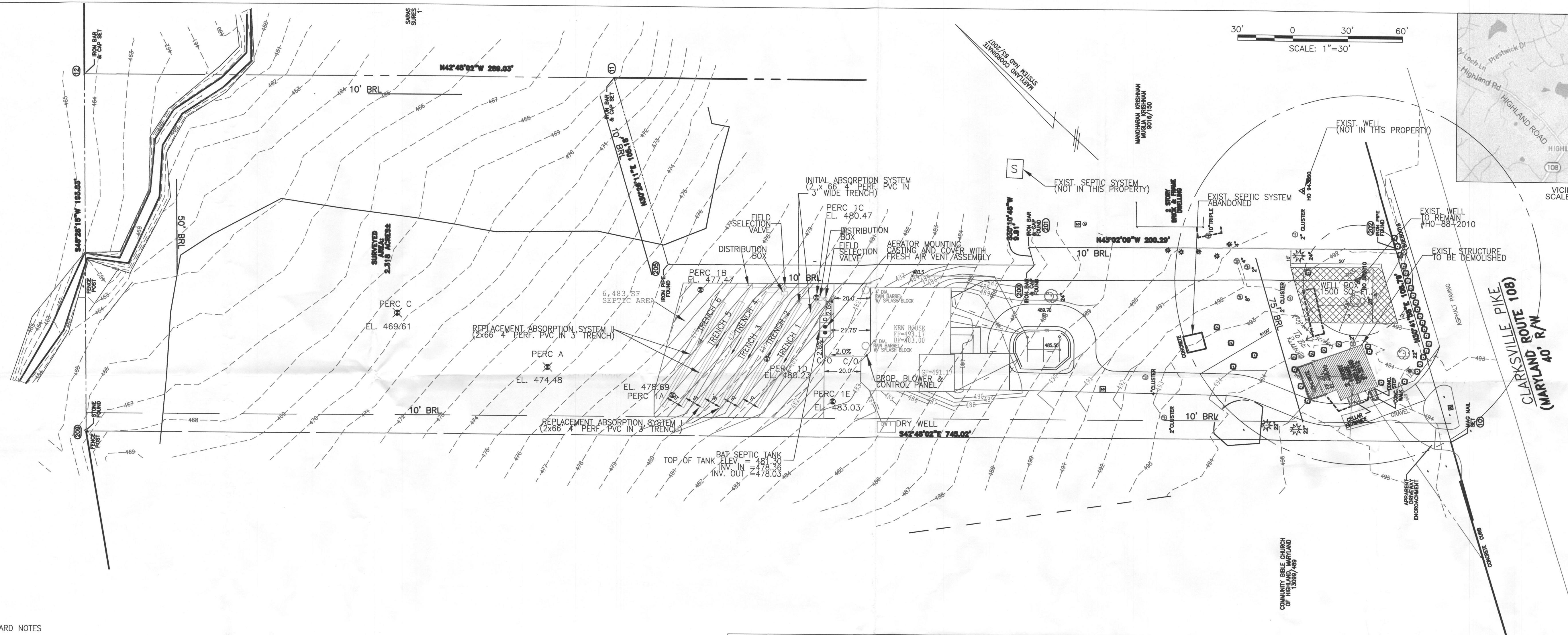
OWNER/DEVELOPER: MICHAEL SOONG
 11525 JAMESTOWN COURT
 LAUREL, MD 20723
 TEL - (240) 568-9559

ENGINEERING FIRM: KEVIN GUOXING HUANG, P.E.
 ENDESCO, INC
 438 N. FREDERICK AVE. SUITE 455
 GAITHERSBURG, MD 20877
 TEL - (301) 987-8776

SOONG RESIDENCE
 13212 CLARKVILLE PIKE
 HIGHLAND, MD 20777-9703

DATE	FILE NO	REVISIONS
MAR 2014		
SCALE		

SHEET 2 of 2
 SCALE 1" = 30'



STANDARD NOTES

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GENERAL LEGEND

- PROPERTY BOUNDARY
- WOODS LINE
- EDGE OF STREAM
- UTILITY POLE
- CLEANOUT (C/O)
- MAILBOX
- CONIFEROUS TREE
- DECIDUOUS TREE
- BUSH/SHRUB
- SEPTIC TANK
- WELL
- SEWAGE DISPOSAL AREA (SEE NOTES BELOW)
- TEST HOLE (PASSED)
- TEST HOLE (FAILED)

A545132 Percolation Information- 13212 Clarksville Pike

NOT TO SCALE

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Sanitarian D. Bernard Backhoe South Carroll Others _____

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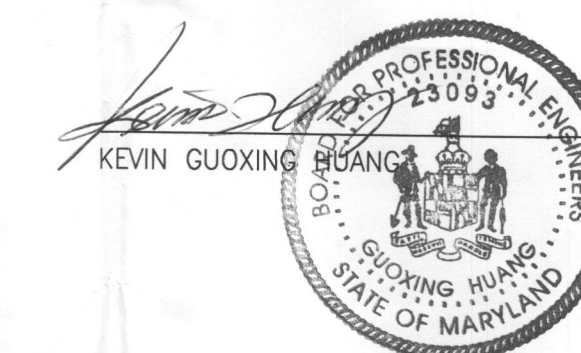
Trench Width 3' Inlet Depth 3' Max Bot. Depth 7.0' Effective S/W 10'/3'

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5-20-2014
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"APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS"

Walter Maura Rossen
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.
 DATE: 6/6/2014

ENDESCO, INC.
 ENGINEERS, DESIGNERS & CONSULTANTS
 438 NORTH FREDERICK AVENUE
 SUITE 455
 GAITHERSBURG, MD 20877

SOONG RESIDENCE

13212 CLARKSVILLE PIKE
 HIGHLAND, MD 20777-9703

TITLE: PERCOLATION CERTIFICATION PLAN

REVISIONS	NO.	DATE	DESCRIPTION
	1.		
	2.		
	3.		
	4.		

FILE NO: _____ SHEET: **2 of 2**

DATE: **MAR 2014** SCALE: **1" = 30'**