



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 557468

AGENCY REVIEW: _____

DATE 11-24-15

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 3 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) Pattie Overby Webb

DAYTIME PHONE 410-230-0980 CELL 410-230-0980 FAX _____

MAILING ADDRESS 1390 Driver Rd., Marriottsville MD 21104
STREET CITY/TOWN STATE ZIP

APPLICANT Horizons Unlimited Home Improvements, Inc. William L. Gmeinwieser, Sr.

DAYTIME PHONE 410-796-1333 CELL 410-320-5912 FAX 410-796-4144

MAILING ADDRESS 7387 Washington Blvd., St. 104 Elkridge, MD 21075
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 1390 Driver Rd., Marriottsville, MD 21104 LOT NO. _____

PROPERTY ADDRESS 1390 Driver Rd., Marriottsville, MD 21104
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 0010 GRID 0010 PARCEL(S) 0129 PROPOSED LOT SIZE 5 AC

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

Bill cell # 410.320.5912

Oswald, Hank

From: Wolf, Kevin
Sent: Wednesday, December 09, 2015 11:33 AM
To: William Gmeinwieser
Cc: Oswald, Hank
Subject: RE: 1390 Driver Road

Bill,
I do not handle perc's for upgrades and new lots. I believe Hank Oswald is handling your application. I have copied him on this email to further respond.

I am not sure as to the extent of the miss-communication that has happened. I truly believe that this lot has gotten mixed up with the lot next door. It may be a DPZ issue but our records has the lot next door as 1390 Driver Rd and your lot 1392 Driver Rd. The applicant for the lot next door came into our office with a building permit listed as 1390. This would have made clearer sense as to the proposal of the project at that time.

Again, to clarify your questions about percolation testing, application, design, and approvals. This is better stated in county regulation section 3.805. It can also be found here at this website https://www.municode.com/library/md/howard_county/codes/code_of_ordinances?nodeId=HOCOCO_TIT3BU_SUBTITLE_8TESEDISY

This section describes the nature of a percolation certification plan to be developed for any building permit that is living space:

Sec. 3.805. - PERC certification plan requirements.

(a)

PERC Certification Plan. Except as provided in paragraph (1) of this subsection, before a building permit is issued, a PERC certification plan shall be submitted and approved that complies with the provisions of this subtitle.

(1)

A building permit may be exempt from a PERC certification plan when the proposed structure:

(i)

Does not increase the amount of living space;

(ii)

Is less than 250 square feet and is not a garage; and

(iii)

The existing on-site sewage disposal system is adequate for the existing property use.

Furthermore, *COMAR sec 26.04.02.03* of the state regulations explains that: A person may not construct or alter any structure, residence, floating home, or commercial establishment served or to be served by an on-site sewage disposal system or private water supply system, and a county or municipality may not issue, if applicable, a building permit or a use permit for the desired new construction or alteration, until the Approving Authority has:

(1) Issued both an on-site sewage disposal permit and a well construction permit for facilities served by an on-site sewage disposal system and a private water supply system;

(2) Issued an on-site sewage disposal permit for facilities served by an on-site sewage disposal system and a public water supply system;

(3) Issued a well construction permit for facilities served by a private water supply system and public sewerage; or

(4) Certified the existing on-site sewage disposal and water supply systems as capable of treating and disposing the existing sewage flows and meeting the water demand and any reasonable foreseeable increase in sewage flows or water demand. The Approving Authority shall consider the number of bedrooms, total enclosed living space and changes that affect the volume or character of the wastewater in making this determination.

I am not sure how other a best way to explain this. I hope that this finds you well. Hank will be in touch to schedule your testing. Please make sure your test plan has been submitted and meets our requirements listed.

Kevin

From: William Gmeinwieser [mailto:BILLG@huimprove.com]
Sent: Wednesday, December 09, 2015 7:56 AM
To: Wolf, Kevin
Subject: RE: 1390 Driver Road

Hi Kevin,

I will have the paper work for the perk test by Monday. Can we get this in ASAP since I was given bad information from the start. You guys are the only thing stopping me from getting my building permit. Also I talked with several other builders and they also said that they didn't understand ,as when the original tank was re-done in 1981 should have already had a repair area. And why am I perking for a repair area since I'm re-using the tank and system? I need a little help on this so I can get this foundation in before it gets to cold please. T appreciate all of your help and I too would like to have a Merry Christmas :)

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Wolf, Kevin [KWolf@howardcountymd.gov]
Sent: Monday, November 30, 2015 1:53 PM
To: William Gmeinwieser
Subject: 1390 Driver Road

Please see attached...

Thanks,

Kevin M. Wolf, LEHS
Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045

(o) 410-313-2645
(f) 410-313-2648



kwolf@howardcountymd.gov

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Oswald, Hank

From: Oswald, Hank
Sent: Thursday, December 17, 2015 4:14 PM
To: 'BILLG@huimprove.com'
Subject: Percolation Test Plan_Driver Road Parcel 129
Attachments: Driver Road_Parcel 128.pdf; Driver Road_Parcel 129.pdf; Driver Road_Parcel 277.pdf

Hi Bill:

I couldn't send all of the well and septic records at once so you will find the rest of them attached here.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, December 17, 2015 4:09 PM
To: 'BILLG@huimprove.com'
Subject: Percolation Test Plan_Driver Road Parcel 129
Attachments: Driver Road_Parcel 240.pdf; Map Sketch_Driver Road Parcel 129.pdf

Hi Bill:

Today, I received (4) copies of a plat for Driver Road, Parcel 129. Is this the proposed percolation test plan for this lot? If so, it needs to be properly labeled as such and it needs to be to scale (preferably 1:30 scale on larger paper maybe 11 X 17, 2 copies). The proposed sewage disposal area (SDA) must be located 100 feet away from all well locations including neighboring lots. It should also include 5 labeled test hole locations; one on each corner and one in the center of the proposed SDA. In addition to the wells, please show all SDA's on adjacent lots. Add topographical lines at 2 foot intervals, soil units and name address of owner and developer/contractor as well.

I've attached a copy of a map that includes a proposed SDA location on parcel 129 which should meet all setback requirements and approximates the well and septic system locations on adjacent lots. I've also attached the well and septic records for this parcel and adjacent parcels for your use should you need them.

Should you have any questions, please don't hesitate to ask.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Monday, November 30, 2015 3:23 PM
To: 'pwebbover@msn.com'
Subject: Application for Percolation Testing
Attachments: Perc Test and Plan Requirements.pdf; Setback Requirements.pdf

Pattie Webb:

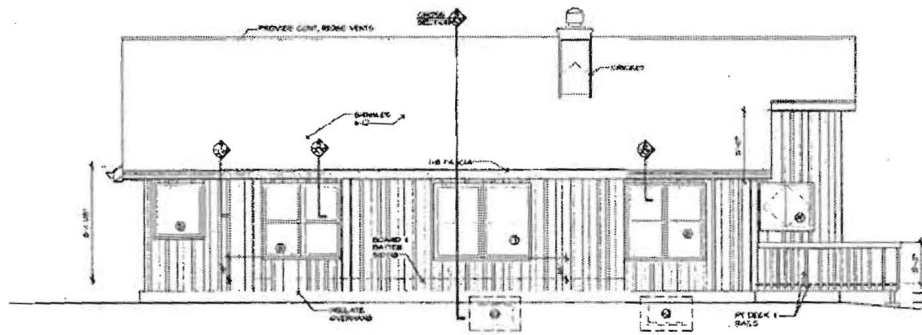
This office is in receipt of your percolation test application. In addition to the application and fee, a test plan is also required. Please submit a scaled test plan for review according to the requirements in the attached document. I've also included a copy of the well and septic setback requirements.

Should you have any questions, please don't hesitate to ask.

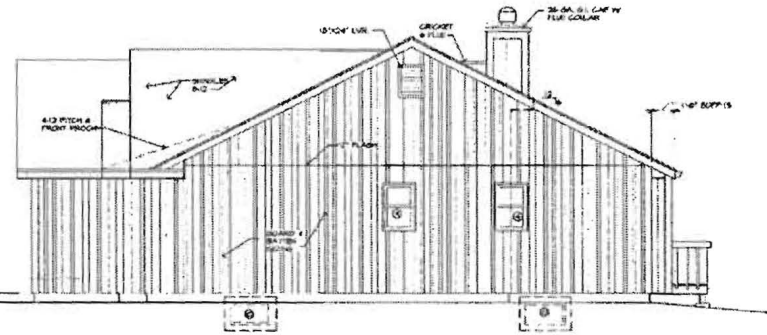
Respectfully,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)



REAR ELEVATION 1/4\"/>



RIGHT ELEVATION 1/4\"/>

Window Schedule				
Symbol	Manufacturer	Model #	Unit Dimension	Rough Opening Size
1	AMEREN	3452	3'-0\"/>	

NOTES:
 1. INSTALL 2\"/>

NOTES:
 CHIMNEY SHALL EXTEND AT LEAST 2 FEET HIGHER THAN ANY PORTION OF THE BUILDING WHEN A 30 FOOT RAINFALL RATE SHALL NOT BE LESS THAN 7 FEET ABOVE THE FINISH LEVEL OF THE GARAGE FLOORING THROUGH THE ROOF.

Owner:
 Address:
 City:
 State:
 Zip:
 Ref. No. 70701

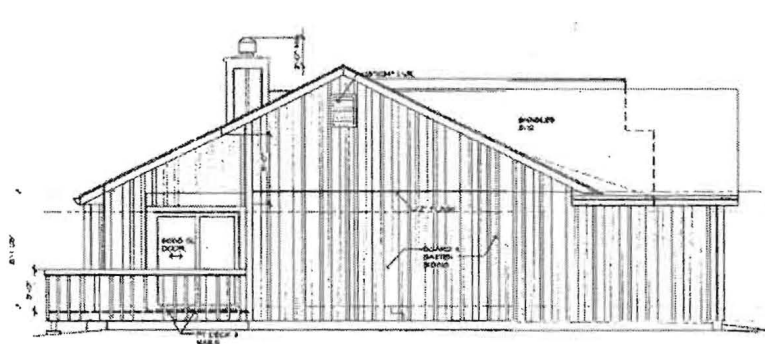
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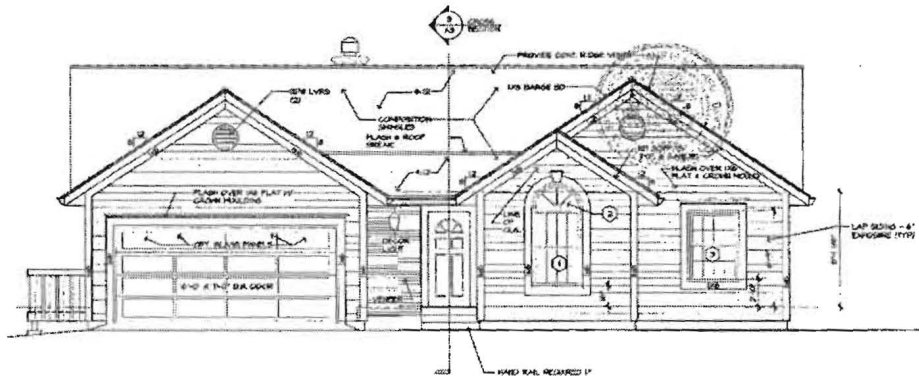


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 WWW.GARLINCLOSURE.COM

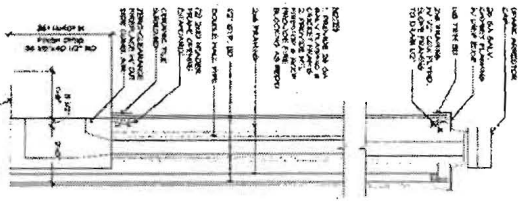
PLAN NO.
 20164
 SHEET
 A2



LEFT ELEVATION 1/4\"/>

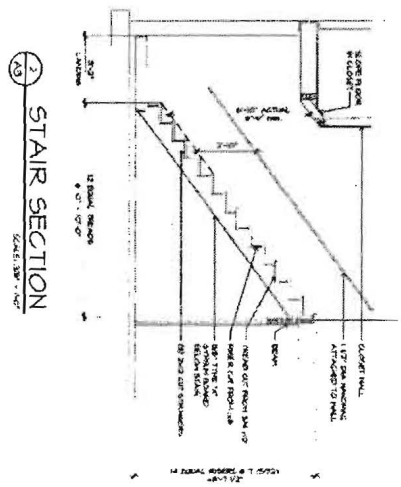
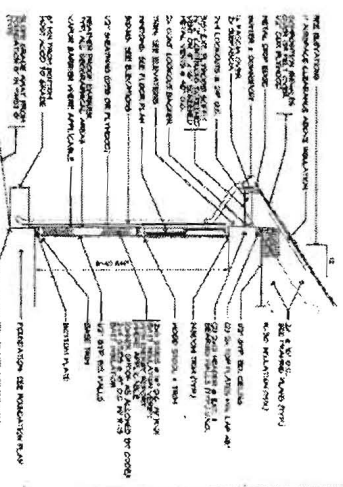


FRONT ELEVATION 1/4\"/>

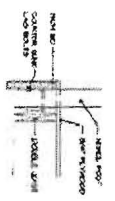


1 FIREPLACE SECTION
SCALE: 3/8" = 1'-0"

2 TYPICAL WALL SECTION
SCALE: 1/2" = 1'-0"

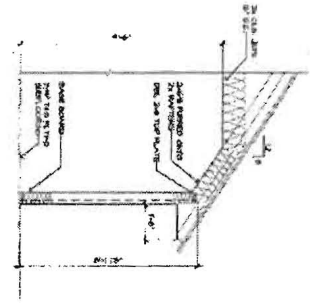


7 STAIR SECTION
SCALE: 3/8" = 1'-0"

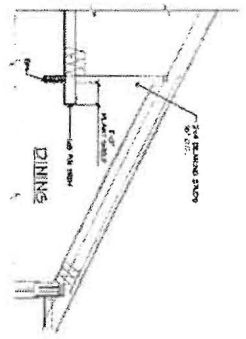


NEWEL POST DETAIL AT BALCONIES

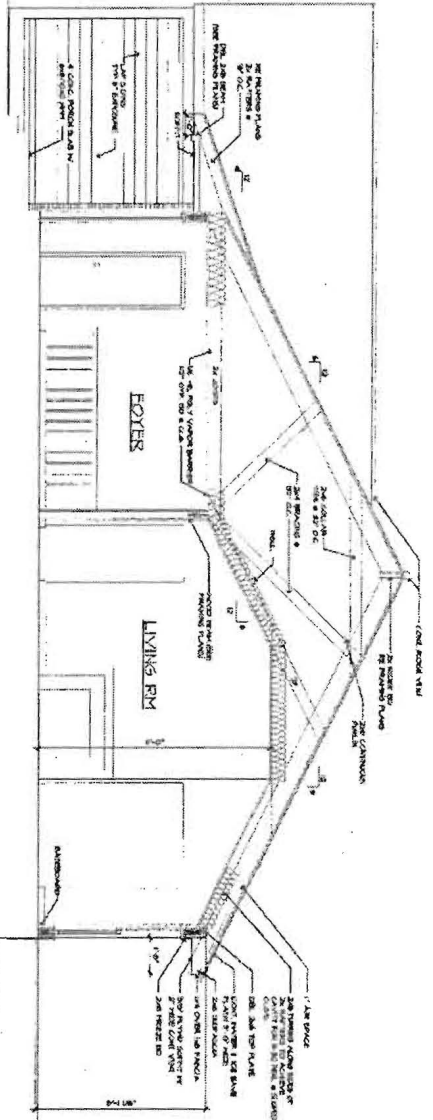
8 WALL SECTION
SCALE: 3/8" = 1'-0"



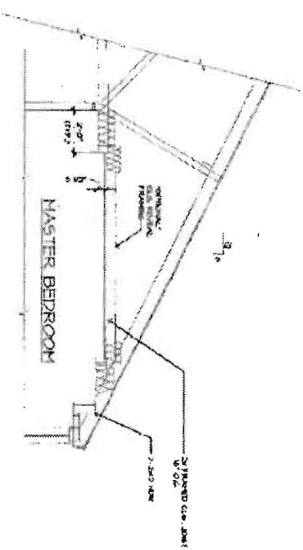
9 CEILING SECTION
SCALE: 3/8" = 1'-0"



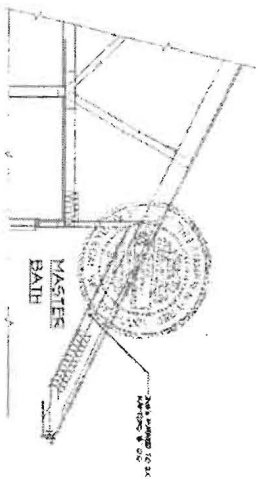
3 CROSS SECTION
SCALE: 3/8" = 1'-0"



5 CEILING SECTION
SCALE: 3/8" = 1'-0"



7 CEILING SECTION
SCALE: 3/8" = 1'-0"



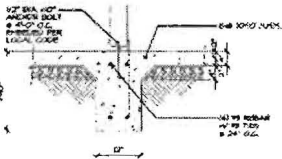
PLAN NO.
20784
SHEET
A3



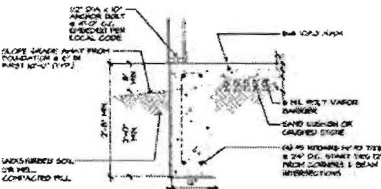
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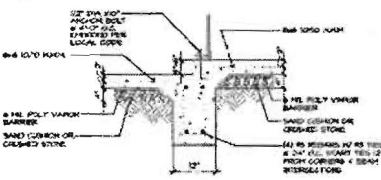
Sheet:
A3
Date:
10/1/77
Ref. No.: 70701



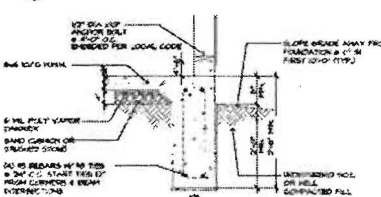
1 TYPICAL INTERIOR FOOTING
SCALE: 3/4\"/>



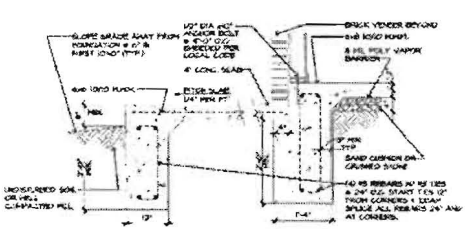
2 TYPICAL EXTERIOR FOOTING
SCALE: 3/4\"/>



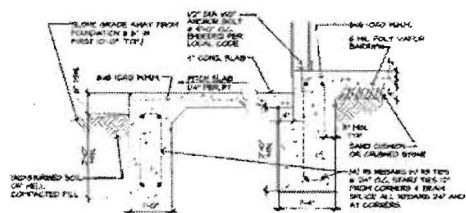
3 TYPICAL STEPPED FOOTING
SCALE: 3/4\"/>



4 TYPICAL GARAGE FOOTING
SCALE: 3/4\"/>

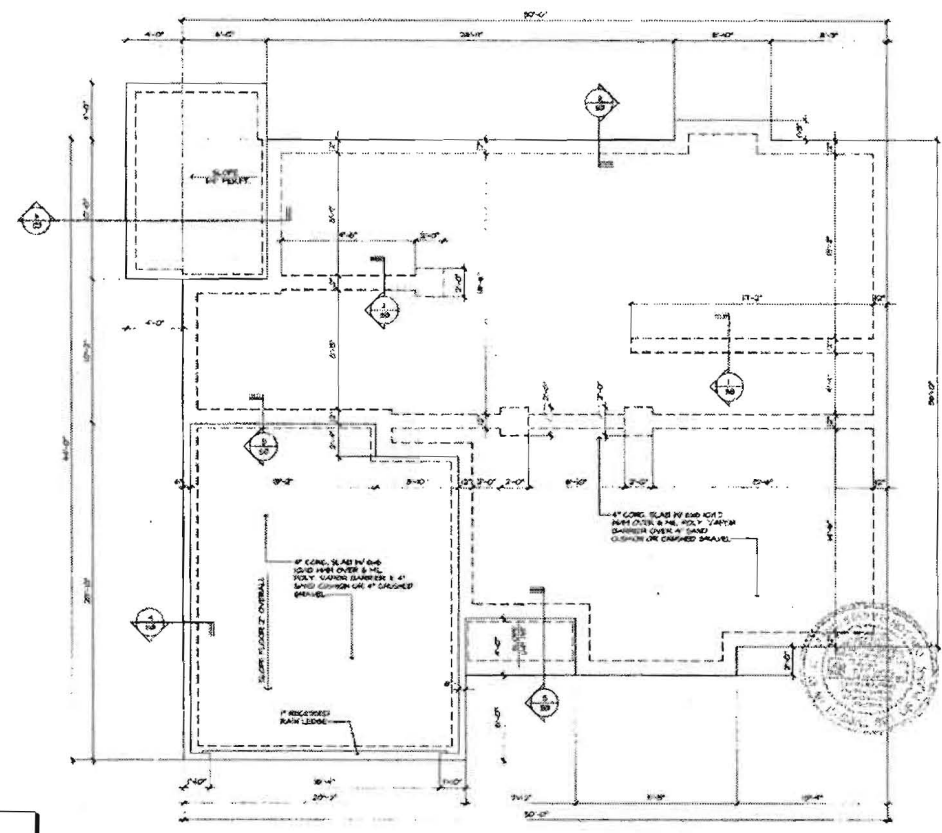


5 EXTERIOR PORCH FOOTING
DETAIL AT BRICK VENEER
SCALE: 3/4\"/>

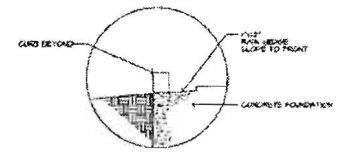


6 EXTERIOR PORCH FOOTING
DETAIL AT SIDING
SCALE: 3/4\"/>

NOTE:
CHECK LOCAL CODES FOR
LOCAL FROST LINE AND BEARINGS
REQUIREMENTS.



FOUNDATION PLAN - SLAB CONSTRUCTION
SCALE: 1/4\"/>



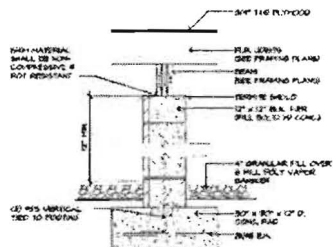
RECESSED RAIN LEDGE DETAIL

Client:
Address:
City:
State:
Zip:
Tel. No. (707) 811-1111

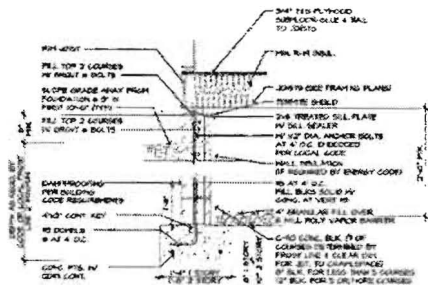
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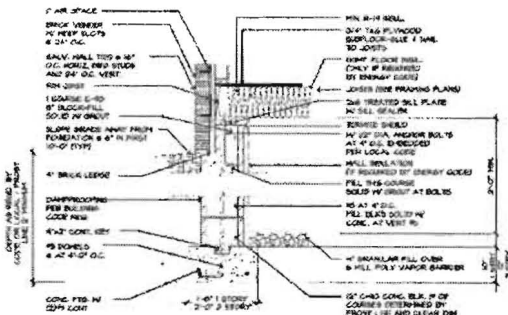




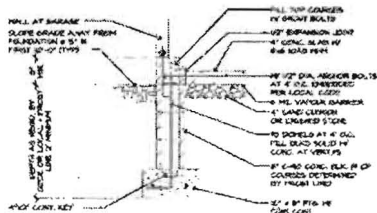
3 BLOCK PIER
SCALE: 3/4" = 1'-0"



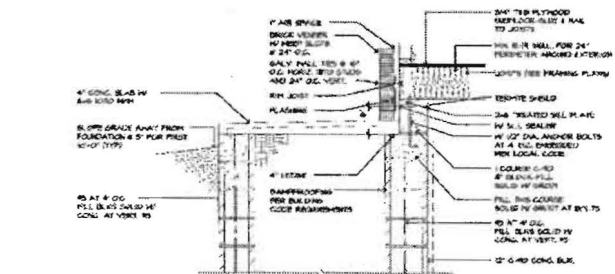
2 BLOCK CRAWLSPACE
SCALE: 3/4" = 1'-0"



4 BLOCK CRAWLSPACE WITH BRICKLEDGE
SCALE: 3/4" = 1'-0"

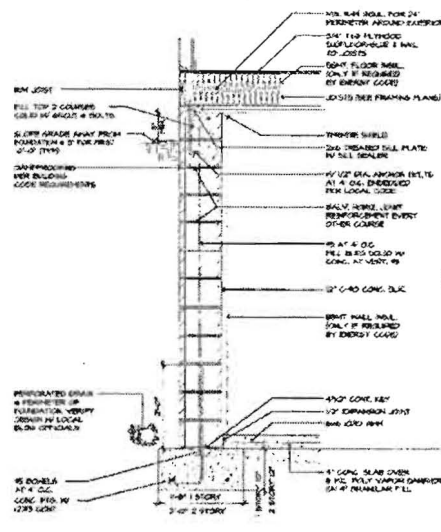


5 BLOCK FOUNDATION AT GARAGE
SCALE: 3/4" = 1'-0"

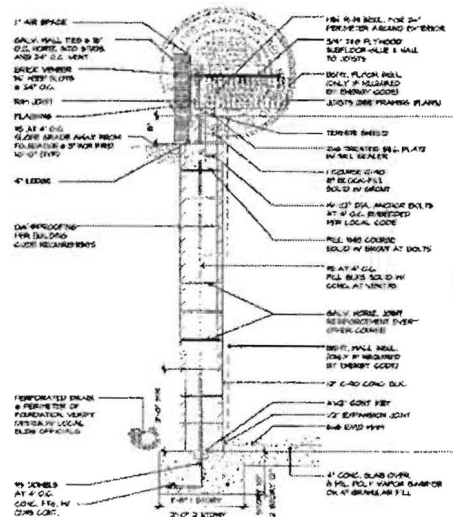


6 BLOCK FOUNDATION AT PORCH W/ BRICKLEDGE
SCALE: 3/4" = 1'-0"

ALTERNATE BLOCK FOUNDATION DETAILS



3 BLOCK FOUNDATION
SCALE: 3/4" = 1'-0"



7 BLOCK FOUNDATION W/ BRICKLEDGE
SCALE: 3/4" = 1'-0"

Owner: _____
Address: _____
City: _____
State: _____
Zip: _____
Tel. No.: 707/711

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1400 S. GARDEN
WWW.GARLINGHOUSE.COM

PLAN NO.
2084
SHEET
S4

Oswald, Hank

From: Oswald, Hank
Sent: Monday, February 08, 2016 8:20 AM
To: 'William Gmeinwieser'
Subject: RE: 1390 Driver Road_Floor Plans

Bill:

B16000023 has been approved by the Health Department.

Thanks,

Hank

From: William Gmeinwieser [<mailto:BILLG@huimprove.com>]
Sent: Monday, February 08, 2016 8:10 AM
To: Oswald, Hank
Subject: RE: 1390 Driver Road_Floor Plans

Hank,

No Bathroom. I hope this gets done soon as I'm tearing down the house on Wednesday. Since this took so long to get done, If I don't I will loose our insurance on the house. I'm in hot water with them and I tried to explain the process but they don't care. I would like to pick up my permit tomorrow but, Until you sign off that won't happen.

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Oswald, Hank [hoswald@howardcountymd.gov]
Sent: Monday, February 08, 2016 8:07 AM
To: William Gmeinwieser
Subject: RE: 1390 Driver Road_Floor Plans

Hi Bill:

Good morning. Does the unfinished basement have a full bathroom rough-in? I didn't see one but I wanted confirmation before signing off on the building permit.

Thanks,

Hank

From: William Gmeinwieser [<mailto:BILLG@huimprove.com>]
Sent: Friday, February 05, 2016 2:03 PM
To: Oswald, Hank
Cc: William Gmeinwieser
Subject: RE: 1390 Driver Road_Floor Plans

Here is floor plan of the house.

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Oswald, Hank [hoswald@howardcountymd.gov]
Sent: Thursday, February 04, 2016 2:20 PM
To: William Gmeinwieser
Subject: RE: 1390 Driver Road_Floor Plans

Bill:

I don't see them in our file. Can you send me the layout of each floor via email? I just need to confirm bedroom count before signing off on the building permit.

Thanks,

Hank

From: William Gmeinwieser [<mailto:BILLG@huimprove.com>]
Sent: Thursday, February 04, 2016 2:07 PM
To: Oswald, Hank
Subject: RE: 1390 Driver Road_Floor Plans

Hank,

I brought a set by and dropped them off for you guys.

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Oswald, Hank [hoswald@howardcountymd.gov]
Sent: Thursday, February 04, 2016 1:07 PM
To: William Gmeinwieser
Subject: 1390 Driver Road_Floor Plans

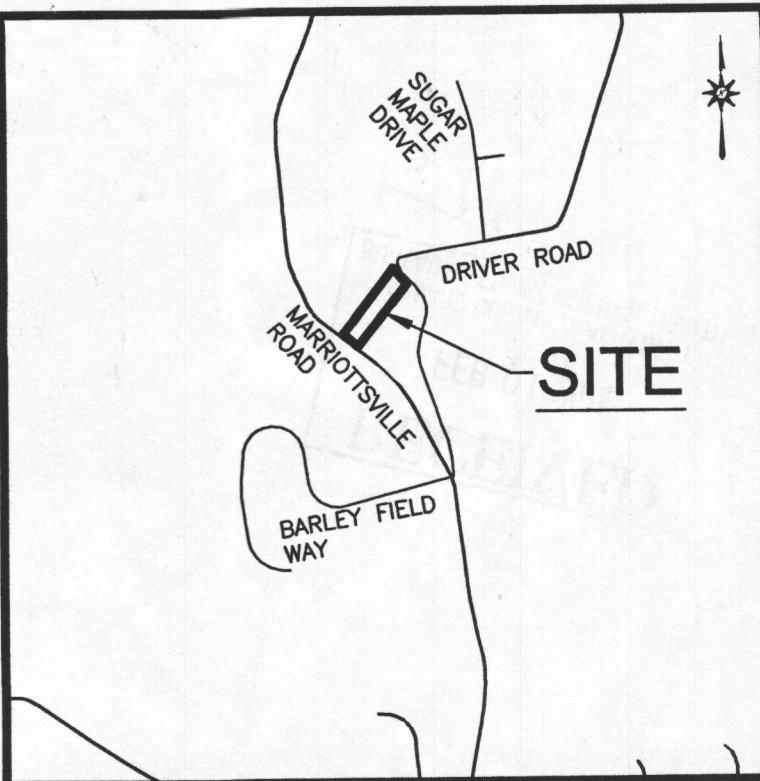
Hi Bill:

Please forward an e-copy of the floor plans for 1390 Driver Road directly to the Health Department.

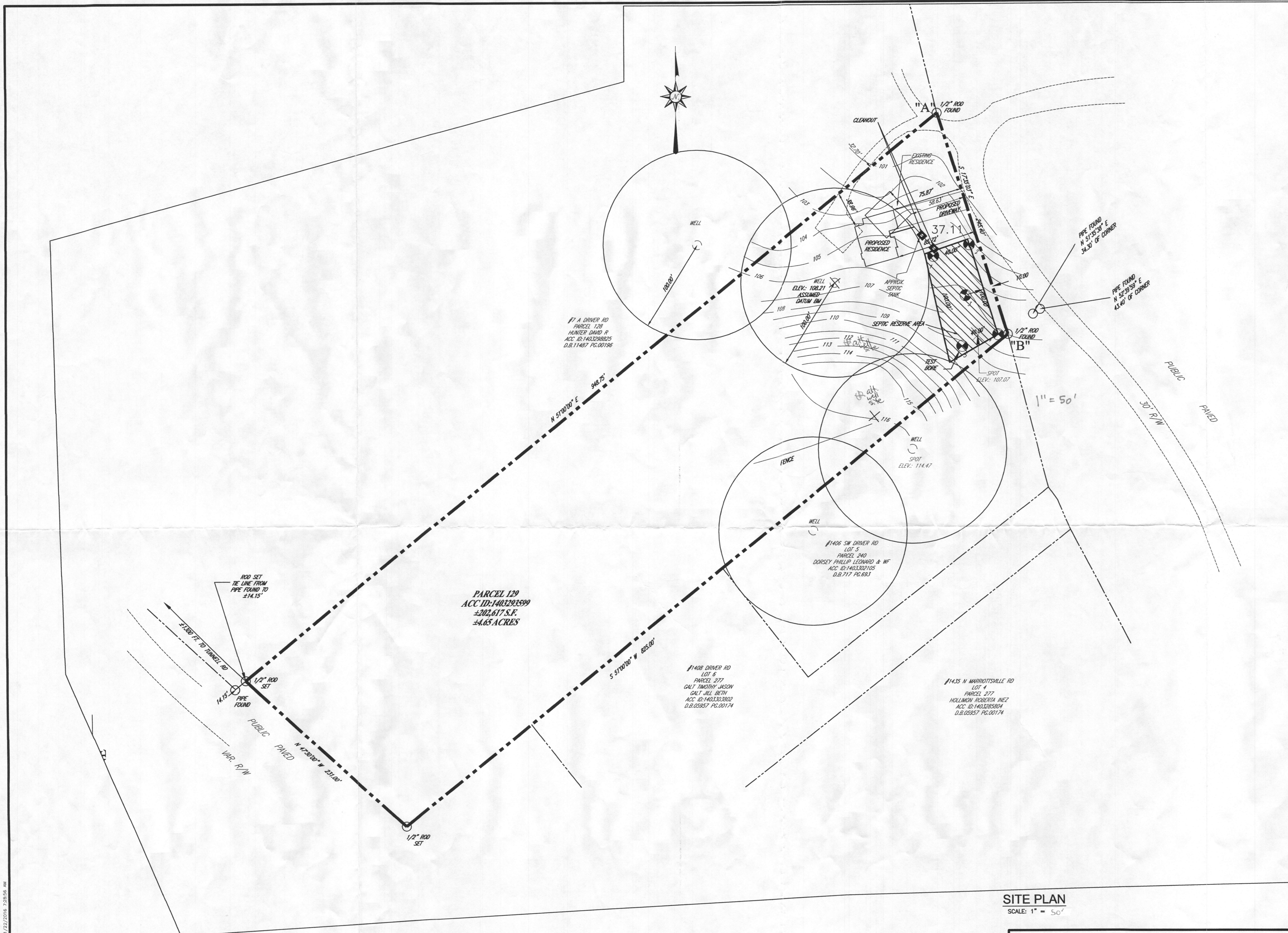
Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)



LOCATION MAP
SCALE: 1" = 200'



GENERAL NOTES:

1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
2. THE TOPOGRAPHY OF THIS PLAT IS SURVEYED BY BRUCE LANDES, SURVEYOR, PROPERTY LINE SURVEYOR MD154. IT IS BASED ON ASSUMED ELEVATIONS.
3. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
4. THE PURPOSE OF THIS plan is to develop a sewage disposal area.
5. THE LOT SHOWN HERON WAS RECORDED BY DEED LIBER 9252 FOLIO 507.
6. EXISTING HOUSE IS CURRENTLY SERVICED BY AN EXISTING WELL.

This area denotes a private sewage disposal area subject to initial & 2 replacement systems.
 AS REQUIRED BY THE MARYLAND DEPARTMENT OF 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 SEWAGE EASEMENT SHALL NOT BE NECESSARY.

DATE	NO.	REVISION
OWNER/DEVELOPER		
OWNER: PATTIE OVERBY WEBB		1390 DRIVER ROAD
		MARIOTTVILLE, MD. 21104-1318
DEVELOPER: PATTIE OVERBY WEBB		1390 DRIVER ROAD
		MARIOTTVILLE, MD. 21104-1318

PROJECT: 1390 DRIVER ROAD

TITLE: PERCOLATION CERTIFICATION PLAN

Richardson Engineering, LLC

30 East Padonia Road, Suite 500
 Cockeysville, Maryland 21093
 Phone: 410-560-1502 Fax: 443-901-1208

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: CND
PROJECT NO.: 16009
DATE: 1-22-16
SCALE: 1" = 100'
DRAWING NO. 1 OF 1

SITE PLAN
SCALE: 1" = 50'

ENGINEER STATEMENT
 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.

PATRICK C. RICHARDSON JR. PE DATE

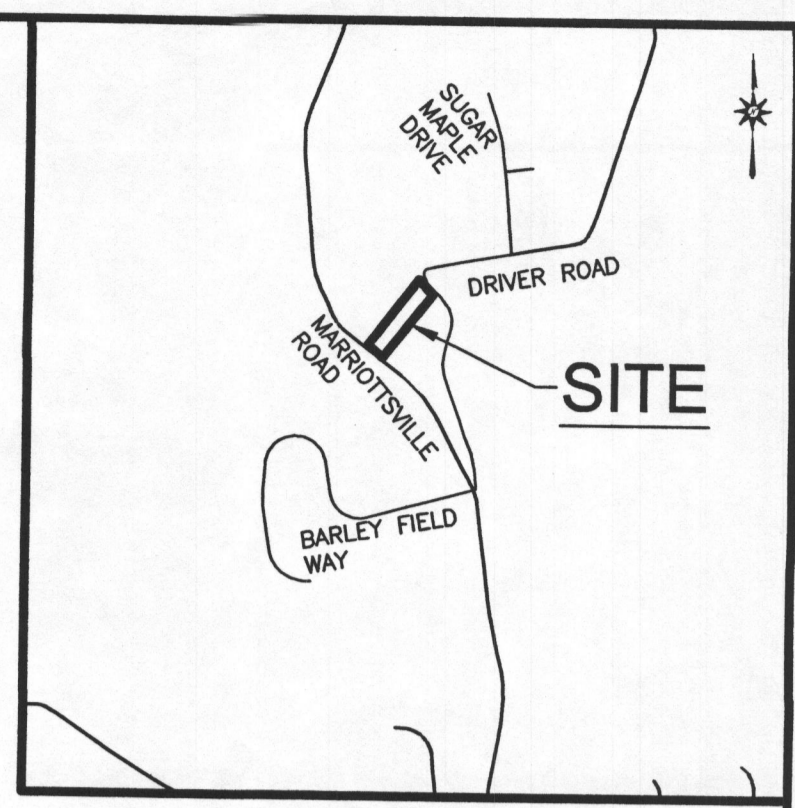
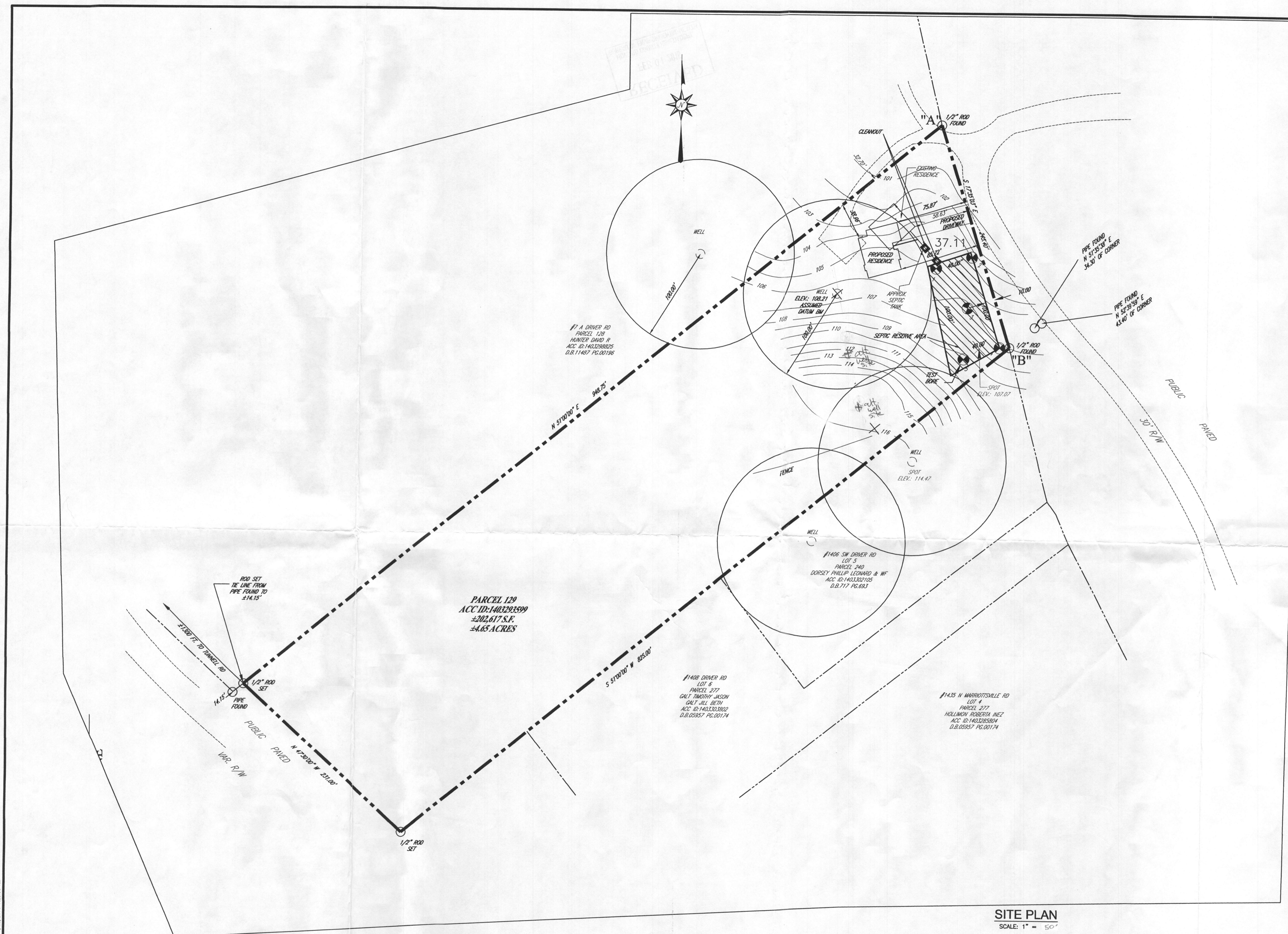
PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 16597, EXPIRATION DATE: 08-15-2015

ADDRESS CHART		
LOT/PARCEL#	STREET ADDRESS	
129	1390 DRIVER ROAD	
PERMIT INFORMATION CHART		
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL
PLAT # OR L/P	BLOCK #	ZONING
9252/507	N/A	RR-DEQ
TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
10	3RD	6030.01
WATER CODE	SEWER CODE	

☐ DENOTES PASSING PERCOLATION TEST PERFORMED ON 1-7-2016

APPROVED FOR PRIVATE SEWAGE SYSTEM and Private water
 Health Officer, HOWARD COUNTY HEALTH DEPT.
 2/4/2016
 DATE

04/24/2016 10:11 AM 1390 Driver Rd, Cockeysville, MD 21093
 1/22/2016 2:56:56 AM



LOCATION MAP
SCALE: 1" = 2000'

GENERAL NOTES:

1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
2. THE TOPOGRAPHY OF THIS PLAT IS SURVEYED BY BRUCE LANDES, SURVEYOR, PROPERTY LINE SURVEYOR MD154. IT IS BASED ON ASSUMED ELEVATIONS.
3. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
4. THE PURPOSE OF THIS plan is to develop a *sewage disposal area.*
5. THE LOT SHOWN HERON WAS RECORDED BY DEED LIBER 9252 FOLIO 507.
6. EXISTING HOUSE IS CURRENTLY SERVICED BY AN EXISTING WELL.

This area designates a private sewage disposal area which is subject to the requirements of the Department of 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 sewage easement shall not be necessary.

DATE	NO.	REVISION
OWNER/DEVELOPER: OWNER: PATTIE OVERBY WEBB 1390 DRIVER ROAD MARRIOTTVILLE, MD. 21104-1318		
DEVELOPER: PATTIE OVERBY WEBB 1390 DRIVER ROAD MARRIOTTVILLE, MD. 21104-1318		
PROJECT: 1390 DRIVER ROAD		
TITLE: PERCOLATION CERTIFICATION PLAN		
Richardson Engineering, LLC		

30 East Padonia Road, Suite 500 Cockeysville, Maryland 21093 Phone: 410-560-1502 Fax: 443-901-1208	CHECKED BY: PCR
	DESIGNED BY: PCR
	DRAWN BY: CND
	PROJECT NO.: 16009
	DATE: 1-22-16
	SCALE: 1" = 100'
	DRAWING NO. 1 OF 1

SITE PLAN
SCALE: 1" = 50'

ENGINEER STATEMENT
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.

PATRICK C. RICHARDSON JR. PE DATE

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 NUMBER 16597, EXPIRATION DATE: 08-15-2015

ADDRESS CHART	
LOT/PARCEL#	STREET ADDRESS
129	1390 DRIVER ROAD

PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL	PARCEL #129		
PLAT # OR L/F	BLOCK #	ZONING	TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
9252/507	N/A	RR-DEO	10	3RD	6030.01
WATER CODE		SEWER CODE			

APPROVED FOR PRIVATE SEWAGE SYSTEM and Private Water

Patricia M. Rossman 2/4/2016
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

DENOTES PASSING PERCOLATION TEST PERFORMED ON 1-7-2016
 APPROVED FOR PRIVATE SEWAGE SYSTEM and Private Water
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

RE: WEBB PATTIE OVERBY
 DB. 9252 PG. 507
 ACC#293599

NOTES:

TITLE BINDER NOT PROVIDED.

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY THE SECRETARY OF HOUSING & URBAN DEVELOPMENT. (PREMISES LOCATED IN ZONE X, MAP ID# 24027C0060D, EFFECTIVE DATE: 11/06/2013)

I HEREBY CERTIFY THAT THIS SURVEY WAS CONDUCTED UNDER MY RESPONSIBLE CHARGE AND THE PREPARATION OF THIS PLAT AND THE SURVEY IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN REGULATION 12 CHAPTER 09.13.06 OF THE CODE OF MARYLAND ANNOTATED REGULATIONS. NO TITLE REPORT WAS FURNISHED.

CONSUMER INFORMATION NOTES:

THIS PLAN IS A BENEFIT TO A CONSUMER INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING.

THIS PLAN IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCE, GARAGE, BUILDING, OR OTHER EXISTING OR FUTURE IMPROVEMENT.

THIS PLAN DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

BUILDING LINE AND/OR FLOOD ZONE INFORMATION IS TAKEN FROM AVAILABLE SOURCES AND IS SUBJECT TO INTERPRETATION OF ORIGINATOR.

SETBACK DISTANCES AS SHOWN TO THE PRINCIPAL STRUCTURE FROM PROPERTY LINES ARE APPROXIMATE. THE LEVEL OF ACCURACY FOR THIS DRAWING SHOULD BE TAKEN NO GREATER THAN PLUS OR MINUS 0.5' +/-.

REVISED
 Date: 1-7-16
 Comments: TO scale
 PER DP2
 B16000023

**COMPILED PLAT OF PROPERTY
 SITUATED 1390 DRIVER ROAD
 MARRIOTTSVILLE, MD
 DISTRICT 03
 COUNTY OF HOWARD, MD
 NOVEMBER 11, 2015
 SCALE 1"=100'**



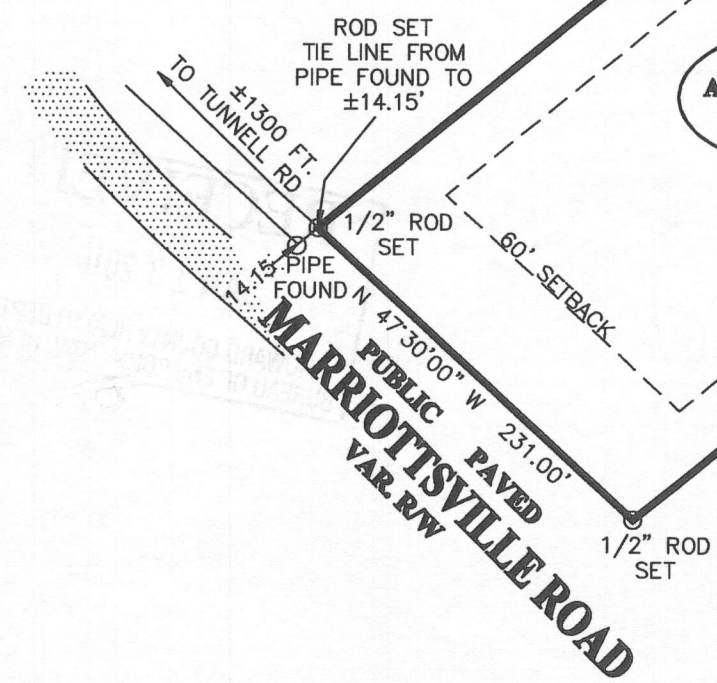
#7 A DRIVER RD
 PARCEL 128
 HUNTER DAVID R
 ACC ID:1403298825
 D.B.11487 PG.00196

PARCEL 129
 ACC ID:1403293599
 ±202,617 S.F.
 ±4.65 ACRES

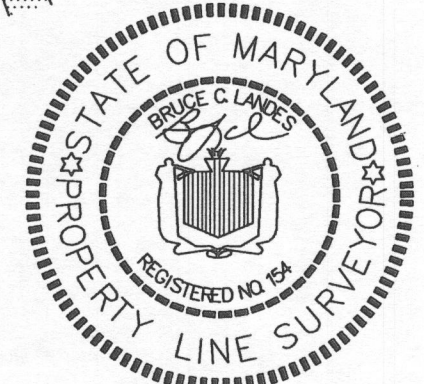
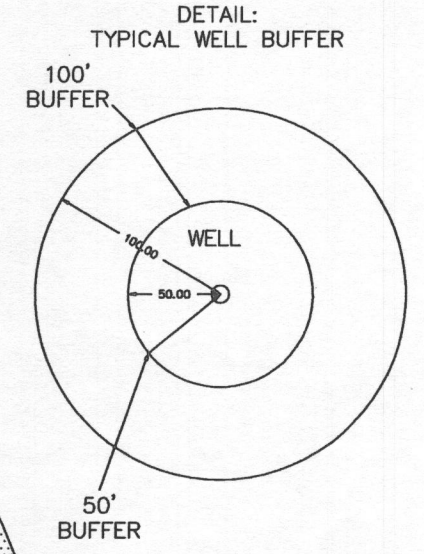
#1408 DRIVER RD
 LOT 6
 PARCEL 277
 GALT TIMOTHY JASON
 GALT JILL BETH
 ACC ID:1403303802
 D.B.05957 PG.00174

#1435 N MARRIOTTSVILLE RD
 LOT 4
 PARCEL 277
 HOLLIMON ROBERTA INEZ
 ACC ID:1403285804
 D.B.05957 PG.00174

#1406 SW DRIVER RD
 LOT 5
 WELL ○ PARCEL 240
 DORSEY PHILLIP LEONARD & WF
 ACC ID:1403302105
 D.B.717 PG.693



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EXP. 4/27/2016

BRUCE LANDES SURVEYOR

LAND SURVEYORS • PLANNERS
 8014 MIDLOTHIAN TURNPIKE SUITE 103 P.O. BOX 35957
 RICHMOND, VIRGINIA 23235
 PHONE (804) 327-0333 FAX 330-5558

PLAT CHECKED BY: BCL

FIELD BOOK 9252/507 JOB NO. 23182

HOWARD COUNTY
 BUREAU OF ENVIRONMENTAL HEALTH

FILE HOWARD COUNTY, MD

**COMPLETE THIS FORM WHEN DROPPING OFF ANY
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 1-7-16

To: Annette (ZONING)
(Person's Name and Division)

From: HORIZONS Unlimited (410) 796-1333
(Your Name, Company Name and Telephone Number)

Subject: Project name Webb House
Project site address 1390 DRIVER RD. MARIOTTESVILLE, MD. 21104
Permit # B16000023 SDP # _____
Other information pertinent to this project _____

Please check the attachments below that you are submitting with this transmittal:

- Letter of response to address plan review comment letter
- Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**
- Letter Summarizing Changes
- Energy conservation calculations
- Copies of PLAN PLAN (be specific).
 Health Department Request DPZ/ DED Request Applicant's Request
- Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # _____
- Other _____

RECEIVED
JAN 07 2016
LICENSES & PERMITS
DIVISION

Contact Person Information: (Required)

Wm L. Gmeinwieser Sr.
Please Print Name

Telephone No: 410-320-5912

E-Mail Address: Bing@Huimprove.com

PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ON PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, SIC IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED WI THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION ING LATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS AN ED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS PL S SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. THAND YOU. F FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED.

Health too?

cc Health
cc ZONING

Received by _____



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

February 2, 2016

Richardson Engineering, LLC
30 East Padonia Road
Cockeysville, MD 21093

Sent via email to:

**RE: Percolation Test Plan
1390 Driver Road**

Patrick Richardson:

Upon review of the percolation certification plan, some changes are required and can be redlined with your permission. They are as follows;

- 1.) The scale on the plan is labeled incorrectly. Instead of 1:100, it should be 1:50
- 2.) The purpose statement is inaccurate. The purpose of this plan is to develop a sewage disposal area.
- 3.) The statement regarding the area designated for sewage disposal should be changed to read; This area designates a private sewage disposal area sufficient for one initial and 2 replacement systems as required by the MD Department of the Environment etc.
- 4.) The plan requires two alternate well sites.

Should you have any concerns or questions, please don't hesitate to ask.

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, January 21, 2016 3:10 PM
To: 'Richardson, Patrick'
Cc: William Gmeinwieser
Subject: RE: 1390 Driver Road

Mr. Richardson:

We can accept this percolation certification plan without showing the actual outline of the new house location, but we will need see it on a plot plan meeting all regulatory requirements before we can approve the building permit.

Additionally, the stated purpose of the perc cert plan is only to certify the system, not to approve a new house location. If you don't show it now, you will need a note on the perc cert plan stating: "Prior to Health approval of a building permit for an addition or a new dwelling, a plot plan showing the proposed location meeting all regulatory requirements must be submitted along with Floor plans of the proposed dwelling. If the existing sewage disposal system is not adequate for the proposed use, a replacement system with a BAT unit must be installed prior to Health approval of the building permit."

Hank

From: Richardson, Patrick [<mailto:rick@richardsonengineering.net>]
Sent: Thursday, January 21, 2016 11:52 AM
To: Oswald, Hank
Cc: William Gmeinwieser
Subject: 1390 Driver Road

Hank,
I was sending this plan in so you could take a look and make sure it has what you need for the perc cert plan. Please let me know.
Thanks.

Rick Richardson
Richardson Engineering, LLC
30 E. Padonia Road Suite 500
Timonium, MD 21093
410-560-1502-x112
fax: 443-901-1208

Plan or Project Number: -

categorysearch



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garageplans



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Canadian customers
call 1-800-361-7526

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- [COOLhouseplans.com](#)

Recent Plan Viewings



Plan: 20164

[Print all of your Recent Plan Viewings](#)



House Plan: 20164

Specs:

- 1456 Total Living Area
- 1456 Main Level
- 3 Bedrooms
- 2 Full Bath(s)
- 2 Car Garage
- 50' Wide x 45'5 Deep

Available Foundation Types:

- Basement
- Crawlspace
- Slab

Pricing:

- Review Set: \$615.00
- 1 Set: \$615.00
- 4 Sets: \$685.00
- 8 Sets: \$785.00
- Repro Plan: \$865.00
- PDF File: \$865.00
- CAD File: \$1,265.00
- Architect Stamp: \$415.00
- Energy Cert: \$300.00
- Materials List: \$75.00
- Mirror Reverse: \$50.00 per order
- Right Reading: \$135.00

- See Elevation and Floor Plan(s)
 - Click Here to Mirror Reverse Front Elevation
- Photographs may show modified designs.

One Perfect Level

This big-hearted home of 1,456 sq. ft. delivers all the necessities, plus some! The entry foyer leads to a big, bright l...

- Expand Text

NEW Related Plans: 34154, 10503, 34150, 24721, 24701, 20154



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Richardson Engineering, LLC

30 E. Padonia Road, Suite 500
Timonium, Maryland 21093

Phone: 410-560-1502 Fax: 443-901-1208

Letter of Transmittal

TO: Howard County Health Dept.

DATE <i>January 22, 2016</i>	JOB No. 16009
ATTENTION: <i>Hank Oswald</i>	
RE: <i>1390 Driver Road</i>	

Attached Via: Hand Delivered Mail Overnight Fax

COPIES	DATE	NO.	DESCRIPTION
3			<i>Perc Cert Plan</i>

THESE ITEMS ARE TRANSMITTED AS CHECKED BELOW:

<input checked="" type="checkbox"/>	For Your Use		For Approval		Revise and Resubmit
<input checked="" type="checkbox"/>	As Requested		NO EXCEPTIONS TAKEN		NOT ACCEPTABLE
	For Review And Comment		Comments Noted		Submittal Not Required/ No Action Taken

REMARKS: _____

Copy: Horizons Unlimited

Signed: 
Rick Richardson



[Click Here to Mirror Reverse Image Front Elevation](#)

[Click Here to Order this plan](#)

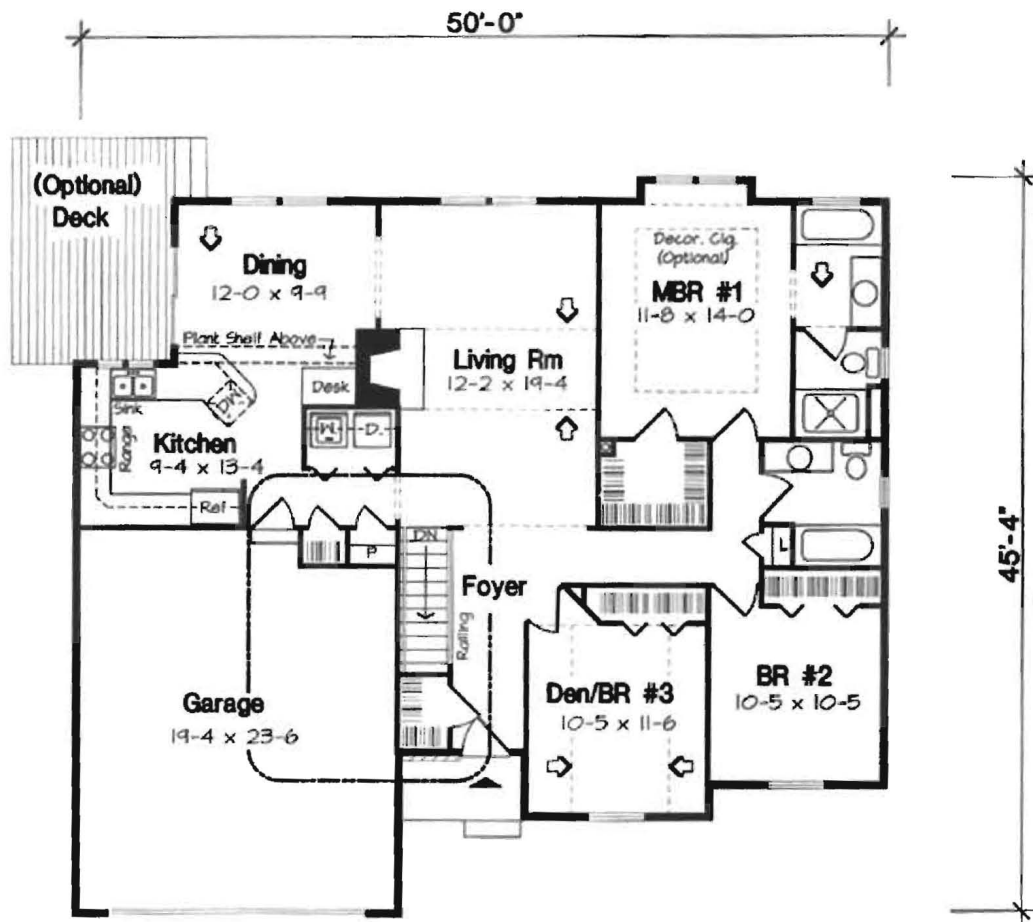
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PHOTO GALLERY - [click on the additional pictures below.](#)





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- Build your own custom, up to 96 Page Planbook by adding this plan to your *My Plans* collection!
- [Printer-Friendly Page](#)

RE: WEBB PATTIE OVERBY
 DB. 9252 PG. 507
 ACC#293599

NOTES:
 TITLE BINDER NOT PROVIDED.

WATERS OF THE UNITED STATES ARE NOT DESIGNATED BY THIS SURVEY.

WETLANDS AND SUBAQUEOUS AREA OF WETLANDS MAY BE SUBJECT TO THE FEE RIGHTS OF THE STATE OF MARYLAND. THESE AREAS HAVE NO SPECIFIC JUDICIAL DETERMINATION OF TITLE AND NO OPINION OF TITLE IS AVAILABLE AS OF DATE OF SURVEY.

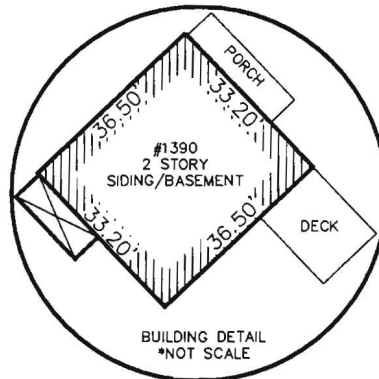
THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY THE SECRETARY OF HOUSING & URBAN DEVELOPMENT. (PREMISES LOCATED IN ZONE X, MAP ID# 24027C0060D, EFFECTIVE DATE: 11/06/2013)

REFERENCE IS HEREBY MADE TO ALL EASEMENTS, RESTRICTIONS, AND CONDITIONS OF RECORD WHICH MAY LAWFULLY APPLY TO SAID PROPERTY.

THE INFORMATION CONVEYED HEREON IS THE WORK PRODUCT OF BRUCE C. LANDES SURVEYOR AND IS SOLELY FOR THE EXCLUSIVE USE OF OUR CLIENTS AND THEIR AGENTS.

I HEREBY CERTIFY THAT THIS SURVEY WAS CONDUCTED UNDER MY RESPONSIBLE CHARGE AND THE PREPARATION OF THIS PLAT AND THE SURVEY IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN REGULATION 12 CHAPTER 09.13.06 OF THE CODE OF MARYLAND ANNOTATED REGULATIONS. NO TITLE REPORT WAS FURNISHED.

ANY CERTIFICATION OR SPECIAL PROVISIONS OF THIS SURVEY ARE SUBJECT TO TERMS, CONDITIONS AND RESTRICTIONS OF OUR PROFESSIONAL INSURANCE LIABILITY COMPANY IN FORCE AT THE TIME OF THIS SURVEY AND/OR ANY NOTIFICATION RELATIVE TO SAID INSURANCE AS IT APPLIES TO THIS SURVEY AND ANY REVISIONS HEREOF.



**BOUNDARY PLAT OF PROPERTY
 SITUATED 1390 DRIVER ROAD
 MARRIOTTSTVILLE, MD
 DISTRICT 03
 COUNTY OF HOWARD, MD
 NOVEMBER 11, 2015
 SCALE 1"=100'**

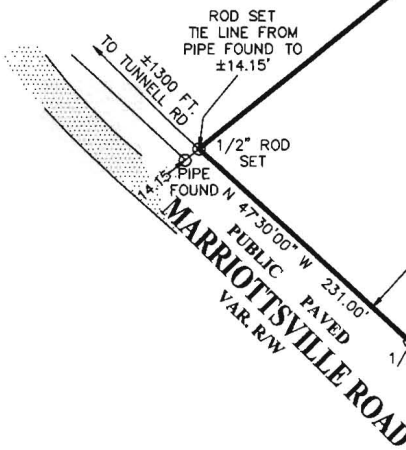
#7 A DRIVER RD
 PARCEL 128
 HUNTER DAVID R
 ACC ID:1403298825
 D.B.11487 PG.00196

PARCEL 129
 ACC ID:1403293599
 ±202,617 S.F.
 ±4.65 ACRES

#1406 SW DRIVER RD
 LOT 5
 PARCEL 240
 DORSEY PHILLIP LEONARD & WF
 ACC ID:1403302105
 D.B.717 PG.693

#1408 DRIVER RD
 LOT 6
 PARCEL 277
 GALT TIMOTHY JASON
 GALT JILL BETH
 ACC ID:1403303802
 O.B.05957 PG.00174

#1435 N MARRIOTTSTVILLE RD
 LOT 4
 PARCEL 277
 HOLLIMON ROBERTA INEZ
 ACC ID:1403285804
 D.B.05957 PG.00174



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EXP. 4/27/2016

BRUCE LANDES SURVEYOR

LAND SURVEYORS • PLANNERS
 8014 MIDLOTHIAN TURNPIKE SUITE 103 P.O. BOX 35957
 RICHMOND, VIRGINIA 23235
 PHONE (804) 327-0333 FAX 330-5558

RE: WEBB PATTIE OVERBY
 DB. 9252 PG. 507
 ACC#293599

NOTES:

TITLE BINDER NOT PROVIDED.

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY THE SECRETARY OF HOUSING & URBAN DEVELOPMENT. (PREMISES LOCATED IN ZONE X, MAP ID# 24027C0060D, EFFECTIVE DATE: 11/06/2013)

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COMPILED PLAT OF PROPERTY
 SITUATED 1390 DRIVER ROAD
 MARRIOTTSVILLE, MD
 DISTRICT 03
 COUNTY OF HOWARD, MD
 NOVEMBER 11, 2015
 SCALE 1"=100'



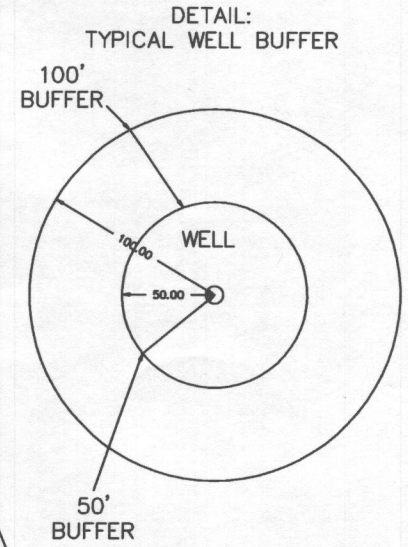
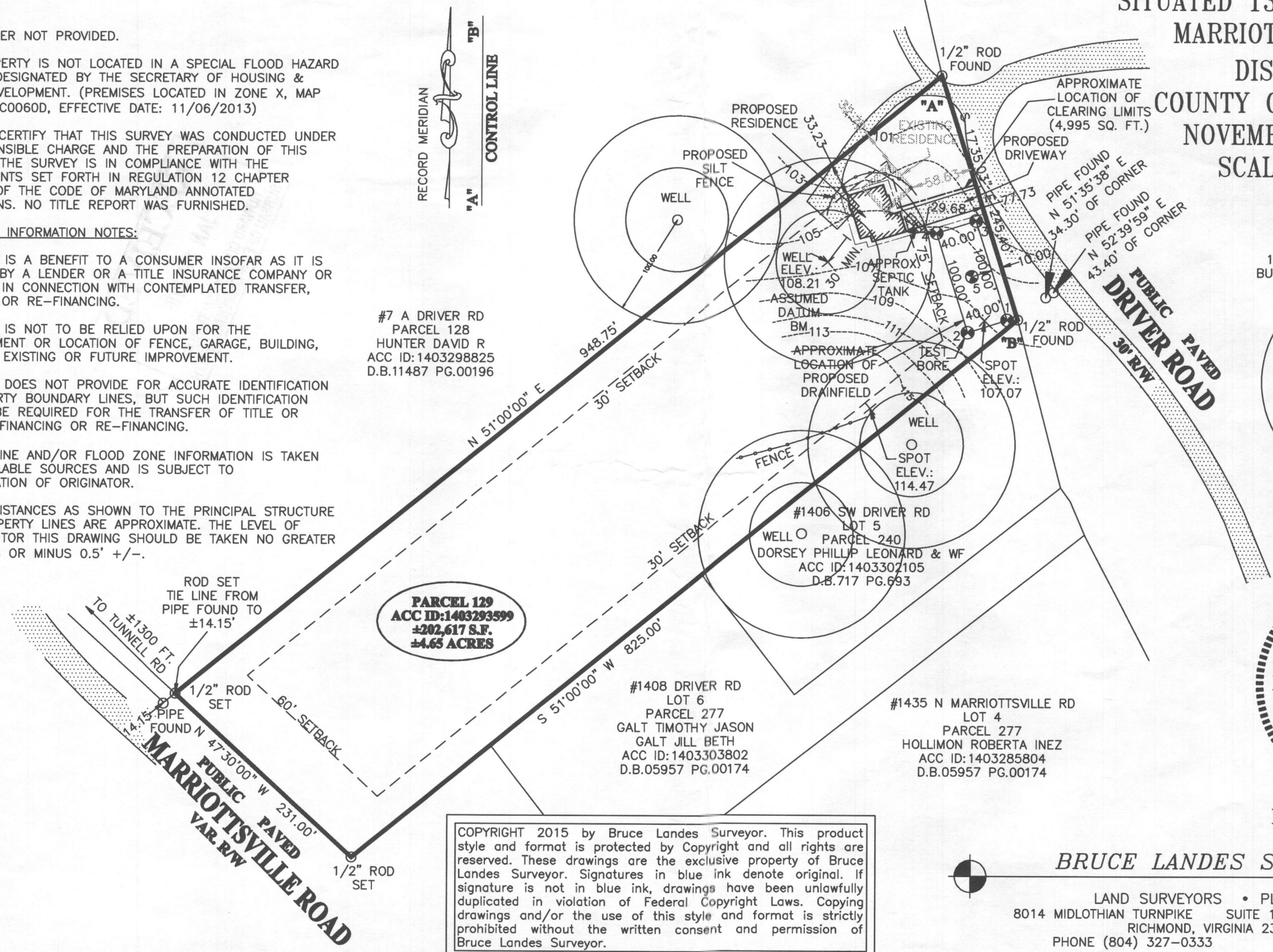
#7 A DRIVER RD
 PARCEL 128
 HUNTER DAVID R
 ACC ID:1403298825
 D.B.11487 PG.00196

PARCEL 129
ACC ID:1403293599
±202,617 S.F.
±4.65 ACRES

#1408 DRIVER RD
 LOT 6
 PARCEL 277
 GALT TIMOTHY JASON
 GALT JILL BETH
 ACC ID:1403303802
 D.B.05957 PG.00174

#1435 N MARRIOTTSVILLE RD
 LOT 4
 PARCEL 277
 HOLLIMON ROBERTA INEZ
 ACC ID:1403285804
 D.B.05957 PG.00174

#1406 SW DRIVER RD
 LOT 5
 WELL PARCEL 240
 DORSEY PHILLIP LEONARD & WF
 ACC ID:1403302105
 D.B.717 PG.693



EXP. 4/27/2016

BRUCE LANDES SURVEYOR

LAND SURVEYORS • PLANNERS
 8014 MIDLOTHIAN TURNPIKE SUITE 103 P.O. BOX 35957
 RICHMOND, VIRGINIA 23235
 PHONE (804) 327-0333 FAX 330-5558

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FILE HOWARD COUNTY, MD

Oswald, Hank

From: Oswald, Hank
Sent: Monday, January 11, 2016 1:45 PM
To: 'William Gmeinwieser'; pwebbover@msn.com; 'dcsurveyors@gmail.com'
Subject: Perc Test Report_1390_1392 Driver Road
Attachments: Perc Test Report_1390_1392 Driver Road_1.11.16.pdf; Driver Road_Perc Test Notes.pdf

Please see attached perc test report and results for 1390_1392 Driver Road, Marriottsville, MD (Map 10, Parcel 129). Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)



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](https://twitter.com/HowardCoHealthDep)

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

January 11, 2016

To: Patty Overby Webb (Owner); Bruce Landes Surveyor; William Gmeinwieser, Sr. (Builder)

Percolation Test Report; (Map 10, Grid 10, Parcel 129), 1390/1392 Drivers Road

Percolation tests were conducted at (Map 10, Grid 10, Parcel 129), 1390/1392 Drivers Road on January 7, 2016. Tests and/or profile descriptions were documented for 5 locations (Test Holes 1,2,3,4 and 5).

All test holes passed including additional test hole 3 (center test hole, not staked). Since test hole 3 was not staked, it must be field located and accurately shown on the 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 next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation please contact me at (410) 313-1786 or by email hoswald@howardcountymd.gov

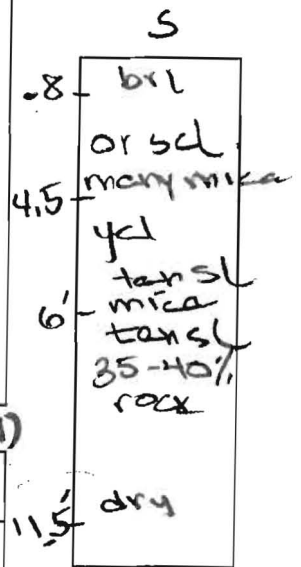
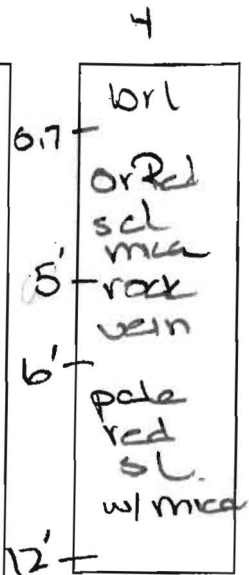
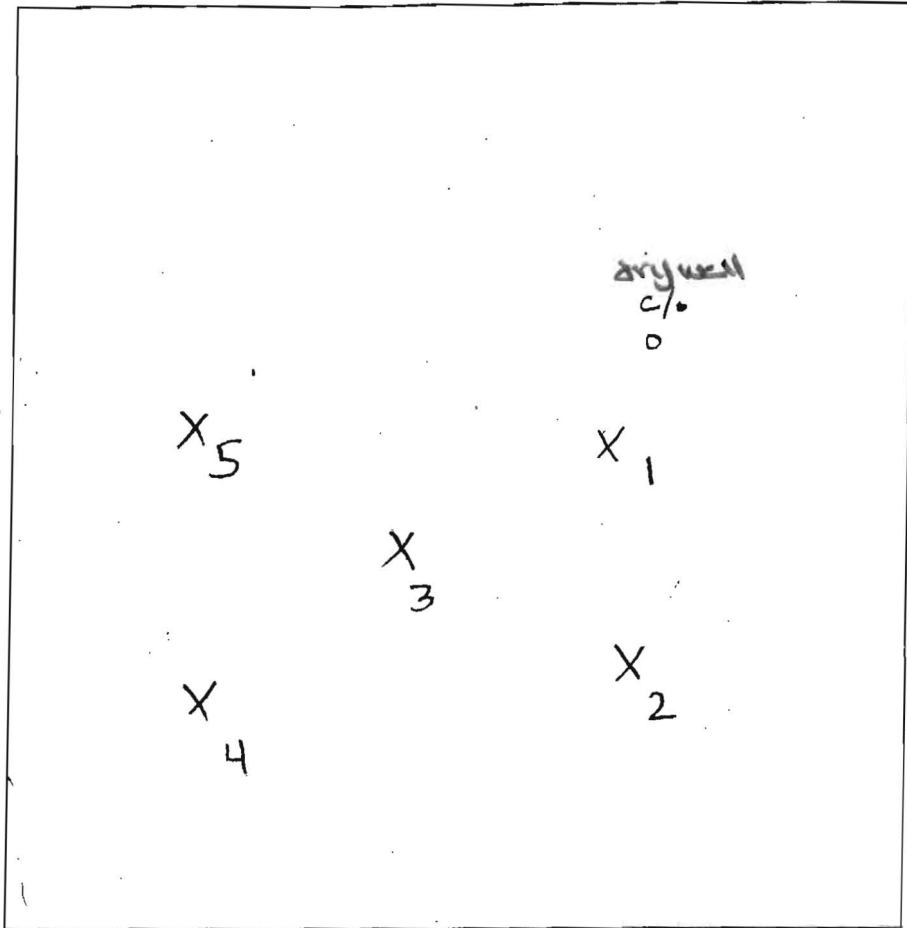
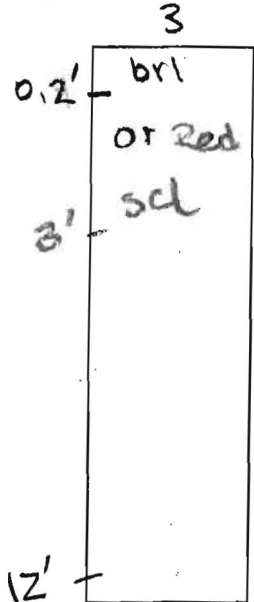
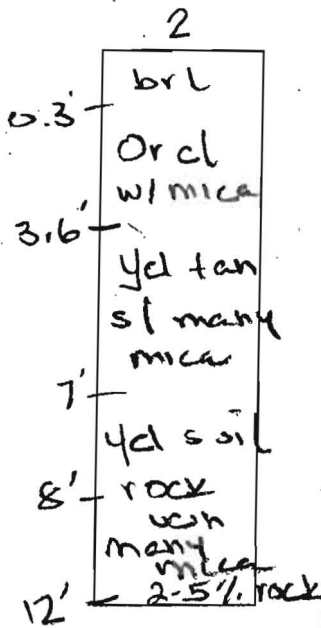
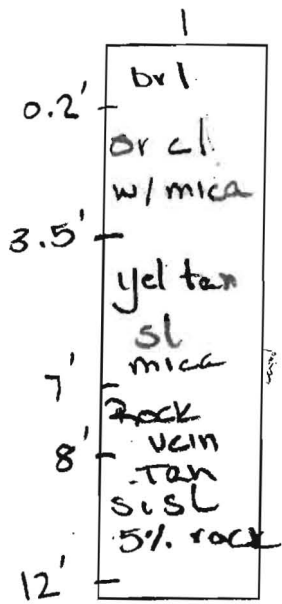
Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

A/P _____



1390/1392 Driver Road (M.10 P.129)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/7/16	1	4' 1/2'	10:41	10:53	11:15	22	P
1/7/16	2	4.3' 1/2'	10:54	10:59	11:08	9	P
1/7/16	3	4' 1/2'	11:09	11:12	11:19	7	P
1/7/16	4	5' 1/2'	11:20	Too Slow			F
1/7/16	5	4' 1/2'	11:25	Too Slow			F
reshelf	4	5.8' 1/2'	12:20	Too Slow			F
reshelf	5	5.5' 1/2'	12:15	12:19	12:30	11	P
reshelf	4	7' 1/2'	1:13	1:21	1:27	6	P

REMARKS _____

SANITARIAN Hank Oswell BACKHOE TNR Plumbing OTHERS Builder Bill

TEST HOLES USED IN SDA _____ Tim _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SAW _____

RE: WEBB PATTIE OVERBY
 DB. 9252 PG. 507
 ACC#293599

NOTES:

TITLE BINDER NOT PROVIDED.

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY THE SECRETARY OF HOUSING & URBAN DEVELOPMENT. (PREMISES LOCATED IN ZONE X, MAP ID# 24027C0060D, EFFECTIVE DATE: 11/06/2013)

I HEREBY CERTIFY THAT THIS SURVEY WAS CONDUCTED UNDER MY RESPONSIBLE CHARGE AND THE PREPARATION OF THIS PLAT AND THE SURVEY IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN REGULATION 12 CHAPTER 09.13.06 OF THE CODE OF MARYLAND ANNOTATED REGULATIONS. NO TITLE REPORT WAS FURNISHED.

CONSUMER INFORMATION NOTES:

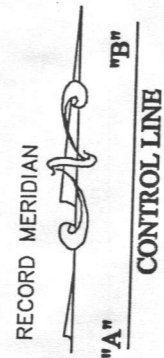
THIS PLAN IS A BENEFIT TO A CONSUMER INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING.

THIS PLAN IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCE, GARAGE, BUILDING, OR OTHER EXISTING OR FUTURE IMPROVEMENT.

THIS PLAN DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

BUILDING LINE AND/OR FLOOD ZONE INFORMATION IS TAKEN FROM AVAILABLE SOURCES AND IS SUBJECT TO INTERPRETATION OF ORIGINATOR.

SETBACK DISTANCES AS SHOWN TO THE PRINCIPAL STRUCTURE FROM PROPERTY LINES ARE APPROXIMATE. THE LEVEL OF ACCURACY FOR THIS DRAWING SHOULD BE TAKEN NO GREATER THAN PLUS OR MINUS 0.5' +/-.



COMPILED PLAT OF PROPERTY
 SITUATED 1390 DRIVER ROAD
 MARRIOTTSVILLE, MD
 DISTRICT 03
 COUNTY OF HOWARD, MD
 NOVEMBER 11, 2015
 SCALE 1"=100'

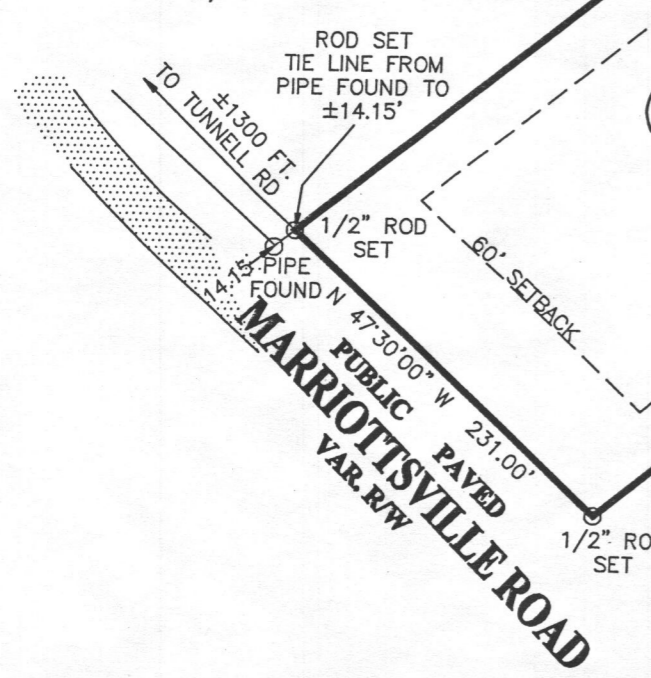
#7 A DRIVER RD
 PARCEL 128
 HUNTER DAVID R
 ACC ID:1403298825
 D.B.11487 PG.00196

PARCEL 129
ACC ID:1403293599
±202,617 S.F.
±4.65 ACRES

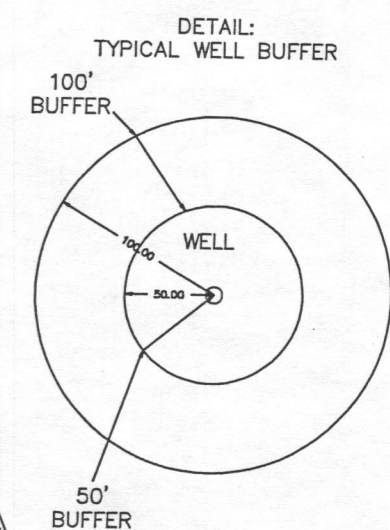
#1408 DRIVER RD
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 GALT JILL BETH
 ACC ID:1403303802
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 LOT 4
 PARCEL 277
 HOLLIMON ROBERTA INEZ
 ACC ID:1403285804
 D.B.05957 PG.00174

#1406 SW DRIVER RD
 LOT 5
 WELL O PARCEL 240
 DORSEY PHILLIP LEONARD & WF
 ACC ID:1403302105
 D.B.717 PG.693



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EXP. 4/27/2016

BRUCE LANDES SURVEYOR

LAND SURVEYORS • PLANNERS
 8014 MIDLOTHIAN TURNPIKE SUITE 103 P.O. BOX 35957
 RICHMOND, VIRGINIA 23235
 PHONE (804) 327-0333 FAX 330-5558

FILE HOWARD COUNTY, MD dcsom e sm

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, December 23, 2015 8:56 AM
To: 'William Gmeinwieser'
Subject: RE: FW: Percolation Test Plan_Driver Road Parcel 129_PERC TEST DATE

Hi Chris:

The percolation test date is scheduled for January 7th. Please have the proposed test holes staked by a licensed surveyor prior to the test date. Also, please make sure your septic contractor has a backhoe that's capable of digging a test hole to a depth of 12 feet.

Should you have any questions, please don't hesitate to ask.

Thanks,

Hank

From: William Gmeinwieser [mailto:BILLG@huimprove.com]
Sent: Wednesday, December 23, 2015 8:09 AM
To: Oswald, Hank
Subject: RE: FW: Percolation Test Plan_Driver Road Parcel 129_PERC TEST DATE

The 7th will work. please confirm.

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Oswald, Hank [hoswald@howardcountymd.gov]
Sent: Tuesday, December 22, 2015 9:03 AM
To: William Gmeinwieser
Subject: RE: FW: Percolation Test Plan_Driver Road Parcel 129_PERC TEST DATE

Hi Bill:

Does January 7th or 14th work for you and your septic contractor?

Hank

From: William Gmeinwieser [mailto:BILLG@huimprove.com]
Sent: Friday, December 18, 2015 10:10 AM
To: Williams, Jeffrey

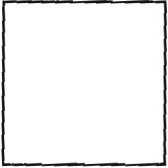
Cc: Oswald, Hank; Michael Gmeinwieser; Donna Everhart
Subject: FW: FW: Percolation Test Plan_Driver Road Parcel 129

Hello Mr. Williams,

Please see the attached test plan.

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Bruce Landes [landesbruce@gmail.com]
Sent: Friday, December 18, 2015 10:06 AM
To: William Gmeinwieser
Subject: Re: FW: Percolation Test Plan_Driver Road Parcel 129

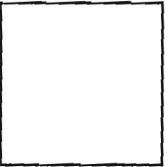
SEE ATTACHED

BRUCE

On Fri, Dec 18, 2015 at 9:39 AM, William Gmeinwieser <BILLG@huimprove.com> wrote:
pleas read

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Williams, Jeffrey [jewilliams@howardcountymd.gov]
Sent: Friday, December 18, 2015 9:32 AM
To: William Gmeinwieser
Cc: Oswald, Hank
Subject: RE: Percolation Test Plan_Driver Road Parcel 129

Hello Bill:

As we discussed on the phone, we need to receive a test plan showing a proposed sewage disposal area that meets regulatory requirements before we can conduct testing. The plan submitted to us has the proposed sewage

disposal area within the 100' setback of two wells. Please see the attached requirements for a test plan and the well and septic setbacks. We will try to work with you and get things going as quickly as possible, but we need an appropriate set of proposed test locations so we know where to test. You may propose the front yard, just make sure you are meeting all setbacks with the proposed area. Also, if you want, you can propose an area in the back outside of the well arcs and not upgrade of the wells as a backup area if the front yard fails. Please have them show 2 foot contour lines on the plan for reference.

Also, as we discussed, we will need the drywell to be uncovered and its depth measured before the date of testing so we can evaluate it. If appropriate, we will dig a test hole near it to 4' deeper than the bottom of the drywell to see if it can serve the new house. Please note that if there is not at least 4' of suitable soil beneath the bottom of the drywell observed during testing, a new system including a pretreatment unit utilizing best available technology for nitrogen removal must be installed in the newly certified disposal area to serve the new house. If that ends up being needed, you would need to submit a sewage disposal system design plan to be approved by the Health Dept. prior to building permit approval.

Please also note that once testing is completed, a perc certification plan meeting the requirements listed in the attached document must be submitted to us and signed by the Health officer prior to building permit approval.

Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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From: Oswald, Hank
Sent: Friday, December 18, 2015 8:50 AM
To: Williams, Jeffrey
Subject: FW: Percolation Test Plan_Driver Road Parcel 129

From: William Gmeinwieser [<mailto:BILLG@huimprove.com>]
Sent: Thursday, December 17, 2015 5:57 PM
To: Oswald, Hank
Subject: RE: Percolation Test Plan_Driver Road Parcel 129

Hi Hank,

disposal area within the 100' setback of two wells. Please see the attached requirements for a test plan and the well and septic setbacks. We will try to work with you and get things going as quickly as possible, but we need an appropriate set of proposed test locations so we know where to test. You may propose the front yard, just make sure you are meeting all setbacks with the proposed area. Also, if you want, you can propose an area in the back outside of the well arcs and not upgrade of the wells as a backup area if the front yard fails. Please have them show 2 foot contour lines on the plan for reference.

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Bureau of Environmental Health
Howard County Health Dept.
[410-313-4261](tel:410-313-4261)
jewilliams@howardcountymd.gov

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To: Williams, Jeffrey
Subject: FW: Percolation Test Plan_Driver Road Parcel 129

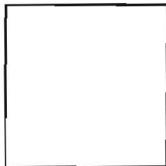
From: William Gmeinwieser [<mailto:BILLG@huimprove.com>]
Sent: Thursday, December 17, 2015 5:57 PM
To: Oswald, Hank
Subject: RE: Percolation Test Plan_Driver Road Parcel 129

Hi Hank,

You are showing the wrong parcel. It is marked as 1392 . I have talked to the County and they are getting it straight. Are we set for as a perk test soon?

Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



From: Oswald, Hank [hoswald@howardcountymd.gov]
Sent: Thursday, December 17, 2015 4:13 PM
To: William Gmeinwieser
Subject: Percolation Test Plan_Driver Road Parcel 129

Hi Bill:

I couldn't send all of the well and septic records at once so you will find the rest of them attached here.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
[410.313.1786](tel:410.313.1786) (Office)
[410.313.2648](tel:410.313.2648) (Fax)

Oswald, Hank

From: Williams, Jeffrey
Sent: Friday, December 18, 2015 9:33 AM
To: billg@huimprove.com
Cc: Oswald, Hank
Subject: RE: Percolation Test Plan_Driver Road Parcel 129
Attachments: Well and Septic Setbacks.docx; Perc test and plan requirements for dev lots.docx

Hello Bill:

As we discussed on the phone, we need to receive a test plan showing a proposed sewage disposal area that meets regulatory requirements before we can conduct testing. The plan submitted to us has the proposed sewage disposal area within the 100' setback of two wells. Please see the attached requirements for a test plan and the well and septic setbacks. We will try to work with you and get things going as quickly as possible, but we need an appropriate set of proposed test locations so we know where to test. You may propose the front yard, just make sure you are meeting all setbacks with the proposed area. Also, if you want, you can propose an area in the back outside of the well arcs and not upgrade of the wells as a backup area if the front yard fails. Please have them show 2 foot contour lines on the plan for reference.

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Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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Sent: Thursday, December 17, 2015 5:57 PM
To: Oswald, Hank
Subject: RE: Percolation Test Plan_Driver Road Parcel 129

Hi Hank,

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Thanks,

William L. Gmeinwieser, Sr.
Owner (410-320-5912)
Horizons Unlimited Home Improvements, Inc.



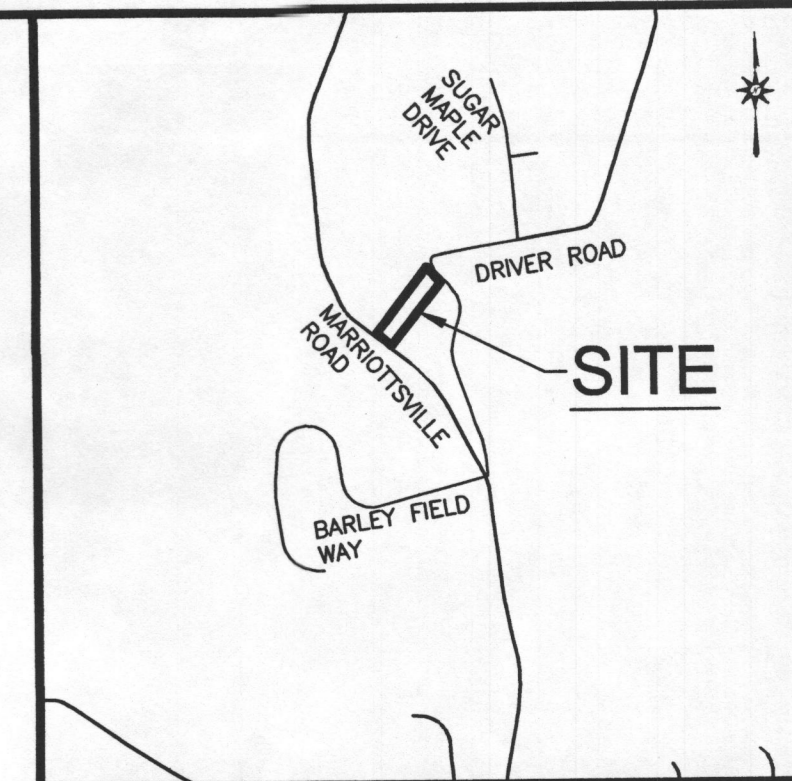
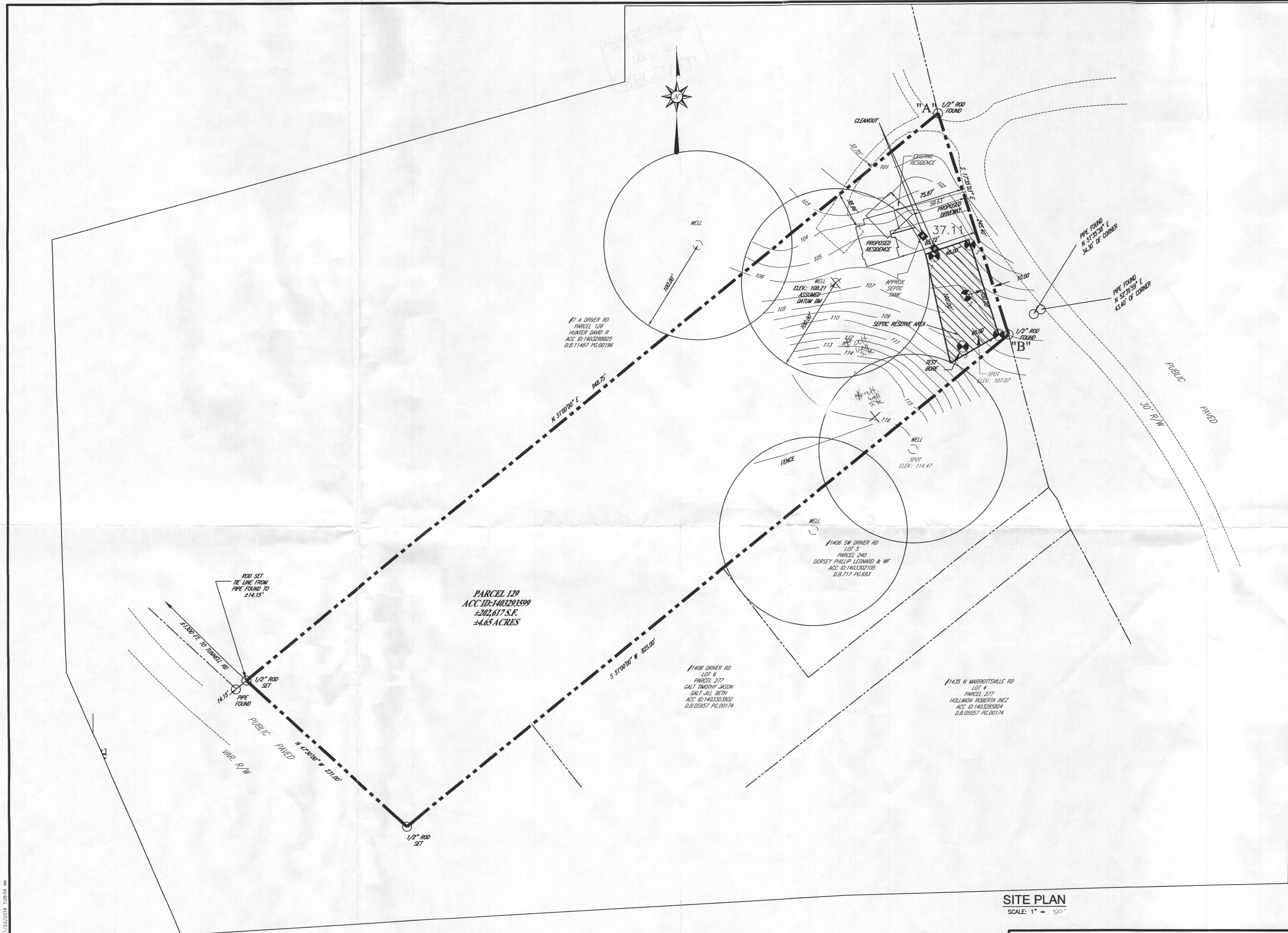
From: Oswald, Hank [hoswald@howardcountymd.gov]
Sent: Thursday, December 17, 2015 4:13 PM
To: William Gmeinwieser
Subject: Percolation Test Plan_Driver Road Parcel 129

Hi Bill:

I couldn't send all of the well and septic records at once so you will find the rest of them attached here.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)



- GENERAL NOTES:**
1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 2. THE TOPOGRAPHY OF THIS PLAT IS SURVEYED BY BRUCE LANDES, SURVEYOR, PROPERTY LINE SURVEYOR MD154. IT IS BASED ON ASSUMED ELEVATIONS
 3. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADEMENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
 4. THE PURPOSE OF THIS plan is to develop a sewage disposal area.
 5. THE LOT SHOWN HERON WAS RECORDED BY DEED LIBER 9252 FOLIO 507.
 6. EXISTING HOUSE IS CURRENTLY SERVICED BY AN EXISTING WELL.

This area contains a private sewage disposal area which is subject to the requirements of the MARYLAND DEPARTMENT OF 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 SEWAGE EASEMENT SHALL NOT BE NECESSARY.

DATE	NO.	REVISION
OWNER/DEVELOPER		
OWNER: PATTIE OVERBY WEBB		1390 DRIVER ROAD
DEVELOPER: PATTIE OVERBY WEBB		1390 DRIVER ROAD
		MARRIOTTSVILLE, MD. 21104-1318

PROJECT: 1390 DRIVER ROAD

TITLE: PERCOLATION CERTIFICATION PLAN

Richardson Engineering, LLC

30 East Padonia Road, Suite 500
Cockeysville, Maryland 21093
Phone: 410-560-1502 Fax: 443-901-1208

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: CND
PROJECT NO.: 16009
DATE: 1-22-16
SCALE: 1" = 100'
DRAWING NO. 1 OF 1

SITE PLAN
SCALE: 1" = 50'

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

PATRICK C. RICHARDSON JR. PE DATE

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 NUMBER 16597, EXPIRATION DATE: 08-15-2015

ADDRESS CHART	
LOT/PARCEL#	STREET ADDRESS
129	1390 DRIVER ROAD

PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL	PARCEL #129		
PLAT # OR L/P	BLOCK #	ZONING	TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
9252/507	N/A	RR-DEO	10	3RD	6030.01
WATER CODE			SEWER CODE		

⊕ DENOTES PASSING PERCOLATION TEST PERFORMED ON 1-7-2016

APPROVED FOR PRIVATE SEWAGE SYSTEM and Private Water
Patricia M. Rossman 2/4/2016
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

G:\Data\Jobs\2016\16009-1390_Driver_Road\16009p1.dwg, 1/22/2016 2:28:56 AM