

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

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

RECEIPT DATE: 12/7/15 **ONSITE SEWAGE DISPOSAL SYSTEM** P 557481

APPROVAL DATE: 12/14/15 SEC **PERMIT:** **REPAIR** A _____

PROPERTY ADDRESS: 13411 Triadelphia Road

SUBDIVISION: The Corners LOT: 6 TAX ID: 03-302415

CONTRACTOR: J.M. Contracting LLC EMAIL: _____

CONTRACTOR ADDRESS: 425 Obrecht Road, Sykesville, MD 21784 PHONE: 443-277-7526

PROPERTY OWNER: Alexandra Allinson EMAIL: _____

OWNER ADDRESS: 13411 Triadelphia Road PHONE: 410-531-5836

SEPTIC TANK SIZE (GALLONS): Ex. (1000g) PUMP CHAMBER CAPACITY (GALLONS): n/a PUMP SIZE: n/a

NUMBER OF BEDROOMS: 3 HOUSE SQ. FT. n/a APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>102</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>10</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	Ex. system is sized for 3 bedroom. Buyer wanted to potentially have system sized for 4 bedroom. Specs for 4 bedroom design: $600\text{gpd} \div 0.8\text{gpd}/\text{ft}^2 = 750\text{ft}^2 \div 2\text{ft} = 375\text{ft} (.36) = 135\text{LF}$. PLEASE NOTE, EXISTING S.T. SIZE IS 1000g. OWNER HAS OPTION TO SIZE UP S.T. TO 1500g TO MEET A 4 BEDROOM DESIGN.	

ISSUED BY: K. Wolf ISSUE DATE: 12/14/2015 EXPIRATION DATE: 12/14/2016

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E _____
- NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.



HOWARD COUNTY HEALTH DEPARTMENT

57481

DATE 12 7 15

P5

Received From

Alexandra Allinson

PHONE # 410-531-5830

(Ronnie Heaps - contractor)

For

PERC Repair: 13411 Triadelphia Road

CASH

CHECK

NO.

8954

Three hundred thirty $\frac{00}{100}$

Dollars

\$

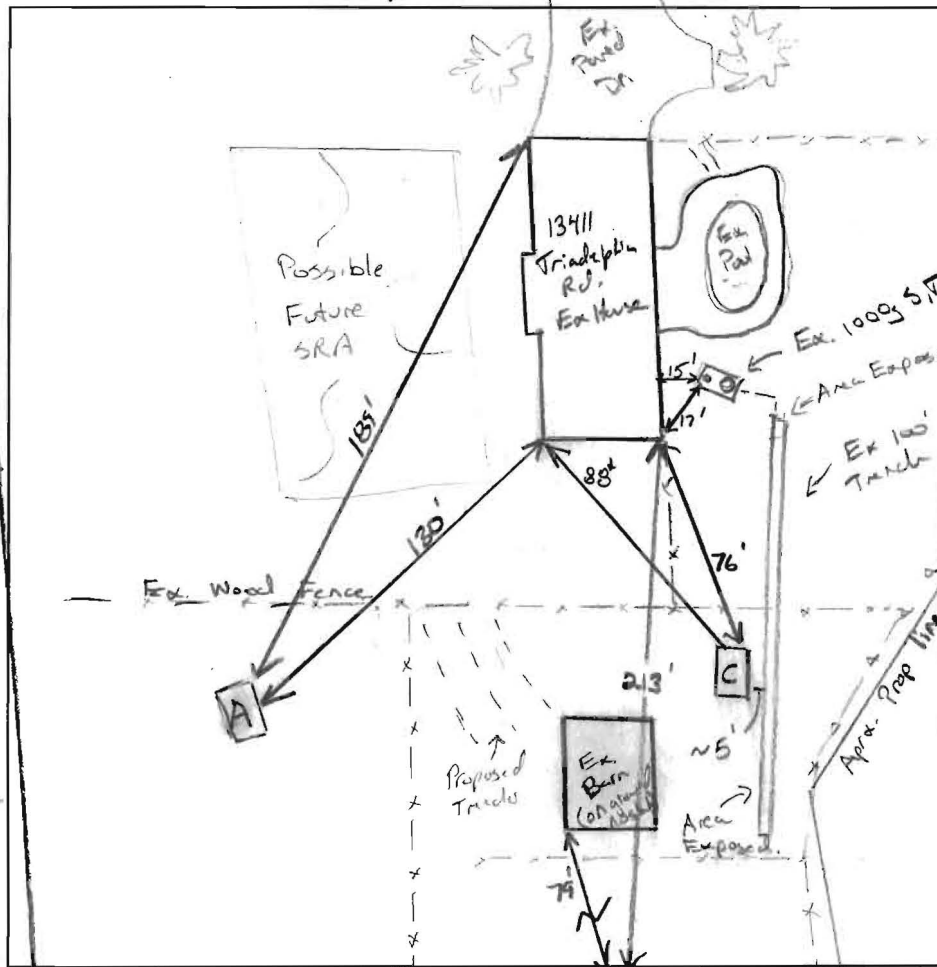
330 00

Received By

M. Curry



Folly Quarter Rd



(A)
 2' Str. Br/Y CL, 2.5BK, roots, moist
 1" Br/Y L, slightly sticky moist.
 5' Wk SBK, CS
 Br/Y FSL, wk platy Fine lithochromate features, moist. Friable, micaceous Mg on beds
 8' Br/Y VFSL, wk platy, Dry Highly micaceous

(C)
 10' Br OM, roots, MSBK, CS
 Br/Rd CL, Wk BK-SBK CW, Friable
 4' Br/Y L, Wk SBK, Dry, moist mica, 5% sub-st. cherries
 6' Str. Br - Br/Y VFSL, 10% sap Wk platy consistent ↓ Dry Highly micaceous

(B)
 Br OM, MSBK roots, CS 1'8"
 Br/Rd CL, Wk BK-SBK CW, Friable ribbons 2'
 Br/Y SL, WSS, CW, moist mpl, mica 5'
 Br/Y - YL WSS, Wk platy, moist 5% cherries 7'
 Br/Y VFSL Friable, wk platy Highly micaceous 11'
 10' 1" Br - Br/Y VFSL, Dry 10% sap 10% Highly micaceous 15'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12-11-15	(A)	5' 1/4"	00:02	00:08	00:18	10	P
		14' 5"	H ₂ O poured @ bottom			~5	P
	(B)	6' 1/5"	00:46	01:00	01:26	26	P
		15'	H ₂ O poured @ bottom			~4.5	P
	(C)	Visual	—————→				'OK'

Notes: Hole C was dug to confirm 4' buffer below ex. trench. No H₂O in trench. No bio-mat formation in trench. Seller proposed re-doing ex. pipe in trench to allow for correct fall from tank to trench.

* Soil better Deep as you go down. Perc (B) should be OK for Deep System

Plenty of area to develop SRA. Although low in GMB (low areas)

REMARKS WSS = slightly sticky, Hole (C) dug next to ex. trench.

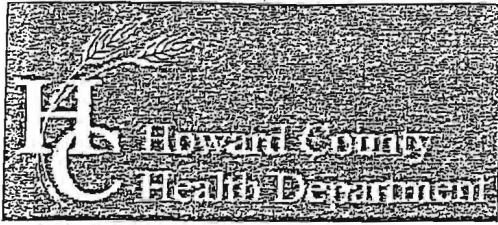
SANITARIAN K. Wolf BACKHOE Ronnie Hops OTHERS Buyer / Seller Agent

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR 0.8 gal/br

TRENCH WIDTH 2' INLET DEPTH 4' MAX. BOT DEPTH 10' EFFECTIVE SW 6-10' (.36)

450 gal Design = $\frac{450}{2.8} = 160.7 \div 2.8125 (136) = 102 \text{ LF}$

600 gal = $\frac{600}{2.8} = 214.3 \div 2 = 375 (1.36) = 135 \text{ LF}$



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

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

INFORMATION FORM - SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request:

- Reason for Request:
[X] Failing System
[] System relocation for proposed addition
[] System upgrade for proposed addition
[] Inadequate treatment zone
[] Collapsed septic tank
[] Collapsed drywell

Has the septic tank been pumped within the last month?

- Has the septic tank been pumped within the last month?
[X] Yes Date pumped: 12/3/15
[] No

Was a visual inspection of the septic tank and/or drain fields conducted?

- Was a visual inspection of the septic tank and/or drain fields conducted?
[X] Yes Explain observations: Pipe leaving tank is fulling the wrong way by 5" in 10'
[] No

Existing system design

- Existing system design
[] Drywell
[X] Trench
[] Mound
[] Unknown
[] Other:

Was a visual inspection of the sewage line conducted?

- Was a visual inspection of the sewage line conducted?
[X] Yes Tank was not pumped for 25 years. Blockage leading to the tank soils were at beginning of Trench.
[] Yes. Explain:
[] No

Blockage leading to the field

- Blockage leading to the field
[X] Yes Explain: Soils at beginning of Trench
[] No

Is discharge surfacing on the ground?

- Is discharge surfacing on the ground?
[] Yes
[X] No

[] No

Additional Comments:

*For REPAIRS, are the owners proposing, or do they plan to add in the future, any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing, and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulation.

Septic Contractor: Ronnie Heaps Contractor's Phone: 443 277 7526

Contractor's Address: 425 Obrecht Rd Sykesville MD 21784

Property Address: 13411 Triadelphia Rd Ellicott City County file:

Subdivision: Lot: Year Built:

Owner's Name: Alexandria Allinson Owner's Phone: 410 531 5836

Name of previous owners: Existing bedrooms: 4

Proposed bedrooms:

Has this request been previously discussed with a Sanitarian? (Name): Kevin Wolf

Public Sewer available/nearby:

*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/review of the repair or upgrade.

Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.

Print out a copy of Real Property Data via Dept. of Taxation website Indexed file found

If public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.

If sewer is available and the property is within the Metropolitan District, connection to sewer is required: If the owner believes reason for exemption exists, the owner should justify the request in writing.

If soil/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.

No permit is to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency situation exists. The contractor is to notify office of the emergency situation as soon as possible.



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 ALEXANDRA ALLINSON "The Corners"
PROPERTY ADDRESS 13411 Triadelphia Rd., Ellicott City, MD 21042
TAX ACCOUNT # TAX MAP GRID PARCEL LOT NO. PROPOSED LOT SIZE (ACRES)
ZONING CATEGORY TIER

PROPERTY OWNER(S) ALEXANDRA ALLINSON
DAYTIME PHONE 410 531-5836 CELL 410 446-9995 EMAIL VA ALLINSON@GMAIL.COM
MAILING ADDRESS

APPLICANT Ronnie Heaps STREET CITY, STATE ZIP
RELATIONSHIP TO OWNER: Contractor
DAYTIME PHONE CELL 443 277 7536 EMAIL
MAILING ADDRESS 425 Obruch Rd Sykesville MD 21784
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 4 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.
SIGNATURE OF APPLICANT DATE 12/7/15



HOME LAND SEPTIC CONSULTING, LLC

p:443-995-5385 | info@mdwellandseptic.com | www.homelandseptic.com

Date: November 17, 2015 Name of Evaluator: David Vincent Time: 9:00 am Property Address: 13411 Triadelphia Road Ellicott City, MD 21042 Recent Weather Conditions: Normal		Ordered By: Yunji Park Buyers: Yungi Park Homeowner Interview: The homeowner interview was not received prior to the evaluation.		Occupied: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Length of Time Vacant: N/A # of People Living in Home: 3 # of People moving in: 4 Property Age: 1985 System Age: 1985 Last Date of Cleaning: ~1.5 Years Recomm'd Pumping Freq: 2-3 Years	
Liquid level in tank is: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal			Bottom Solids Depth: 18 Inches		
Depth of tank: 24 Inches		Type of Tank Access: 6" Cleanout		Depth of tank access: At Grade	
Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor			Depth to Distribution Box: ~36 Inches		
Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Previous high liquid level: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Distance to well: >100 Feet	
Records Search: Records were requested but were not received from Howard County prior to the evaluation.					
Were there any impermeable surfaces above the septic system (i.e. driveway)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Type of Tank		Tank Composition and Size		Type of Absorption System	
<input checked="" type="checkbox"/> Septic Tank (1 tank)		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic		<input checked="" type="checkbox"/> Leaching Field <input type="checkbox"/> At Grade Mound	
<input type="checkbox"/> Aeration System				<input type="checkbox"/> Drywell (Number of:) <input type="checkbox"/> Cesspool	
<input type="checkbox"/> Other:		Tank Size: 1,000 gallons		<input type="checkbox"/> Unknown: _____	
System Component		Condition		Comments	
Septic Tank		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		The concrete septic tank is 1,000 gallons in capacity. Access consists of a 6" PVC cleanout to grade; the septic tank is 24 inches below grade. It is recommended that a riser to grade be installed to facilitate proper maintenance of the tank. The back baffle is currently in place and composed of terracotta. There are currently 18 inches of solids in the tank, indicating it is due for a cleaning. Electrical outlets are installed above the septic tank (see picture addendum); they should be removed.	
Absorption System		<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		One drainfield was located during the evaluation; the drainfield was probed and found to be dry to a depth of at least 10 inches from the top of the stone. Approximately 150 gallons of water were introduced into the system causing a back-up into the tank. The back line should be snaked to determine the cause of the back-up and the proper remediation.	



HOME LAND
SEPTIC
CONSULTING, LLC

n:443-995-5385 | info@mdwellandsentic.com | www.homelandsentic.com

Date: 11/17/2015 Time: 9:00 AM Name of Evaluator: David P Vincent
Property Address: 13411 Triadelphia Road Ellicott City, MD 21042



Picture 1:

Electrical outlets located above the septic tank; they should be removed.

No Picture.

Picture 2:

This space was intentionally left blank.

No Picture.

Picture 3:

This space was intentionally left blank.

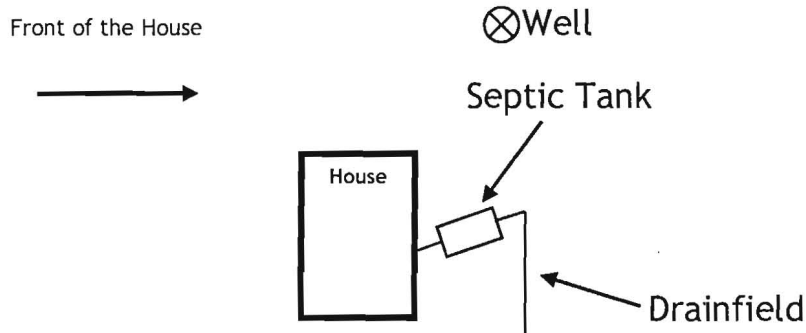
No Picture.

Picture 4:

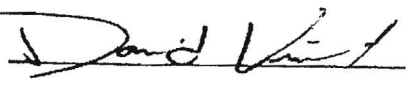
This space was intentionally left blank.



Sketch of System



- This report does not WARRANT nor GUARANTEE continued functional Sewage Disposal Systems operations.
- If the entire distribution box is not within 12" of grade it is considered not accessible for the purposes of this evaluation and therefore will not be excavated. Distribution boxes will only be excavated when the necessary information can otherwise not be gathered.
- This is an inspection for an onsite sewage disposal system; also known as a septic system. If the property has a straight pipe exiting effluent above or just below grade, our testing procedures may not be able determine this. We rely on homeowner to disclosures to notify us of such unpermitted alterations.
- This is a subjective and visual inspection only, based upon many unknown and unseen factors.
- An 'Acceptable' evaluation does not mean the system will meet the local approving authority's criteria for determining compliance with state code: COMAR 26.04.02.02 D(4).
- The condition of the Sewage Disposal System is reported as and only as the day of the inspection.
- If house has been unoccupied this report may not be accurate. Little or no use of the septic system could have allowed problems to temporarily clear themselves.
- If the general ground condition is wet, this report may not be accurate, as ground moisture may cover or hide actual septic effluent on the service. In this case, it is recommended that the septic system be reevaluated in 2 to 4 months.
- Payment and/or use of this evaluation signifies understanding and acceptances of the above clauses, as well as any noted faults with the system.

Representative's Signature:		Date: 11/17/2015
Amount: \$855 (All Testing)	Check Number: Credit Card	Date Paid: 11/17/2015