

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

1503977

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME SPENCE PROPERTY

PROPERTY ADDRESS 2825 FLORENCE ROAD, WOODBINE, MD 21797

TAX ACCOUNT # 315391 TAX MAP 7 GRID 20 PARCEL 259 LOT NO. - PROPOSED LOT SIZE (ACRES) 14.3 Ac.

ZONING CATEGORY RC-DEO TIER IV

PROPERTY OWNER(S) BARBARA SPENCE + JOYCE KROEGER

DAYTIME PHONE 410-489-4752 CELL EMAIL BSPENCE2@VERIZON.NET

MAILING ADDRESS 2825 FLORENCE ROAD WOODBINE, MD 21797

APPLICANT RTF ASSOC. INC. RELATIONSHIP TO OWNER: SURVEYOR

DAYTIME PHONE 410-848-2040 CELL EMAIL JOHN.RTF@GMAIL.COM

MAILING ADDRESS 2825 FLORENCE ROAD 142 E. MAIN ST., WESTMINSTER, MD 21157

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

PROPERTY: - NEED PERC. CERT. PLAN TO PERMIT ADDITION (NO NEW BEDROOMS)

- Subdivision: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
Construct new OSDs on undeveloped lot
Repair or replace failing OSDs
Upgrade existing OSDs

BUILDING: Residential with 3 existing or proposed bedrooms in the completed structure
Commercial (provide detail of type of use and numbers of employees/customers on accompanying plan)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR? YES NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- This application is valid for two(2) years from date of fee payment and approval is based upon health officer signature of a perc certification plan prior to expiration of this permit.
The application fee is non-refundable
This application must be accompanied by all applicable fees and a suitable site plan in order to be processed
This is a public document

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

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

Signature of applicant

8-8-18

SIGNATURE OF APPLICANT

DATE

RTF ASSOCIATES, INC.

Land Surveyors and Planners
 142 East Main Street
 Westminster, MD 21157
 410-876-1222 410-848-2040 443-289-8942 (FAX)

LETTER OF TRANSMITTAL

DATE: 8/8/18	JOB NO.: 2018-91
ATTN: MAURA ROSSMAN, M.D.	
RE: SPENCE PROPERTY	

MAURA ROSSMAN, M.D. HEALTH OFFICER
 HOWARD COUNTY DEPT. OF HEALTH
 8930 STANFORD BLVD.
 COLUMBIA, MD 21045

- WE ARE SENDING YOU
- Attached
 - Shop drawings
 - Copy of letter
 - Under separate cover via _____ the following items:
 - Prints
 - Change order
 - As follows

NUMBER	DESCRIPTION
3 EACH	PRINT OF SITE PLAN FOR SPENCE PROPERTY
1 EACH	APPLICATION FOR PERC. TESTING & SITE EVAL.
1 EACH	CHECK FOR \$506.00 CHECK # 18345

- THESE ARE TRANSMITTED as checked:
- For approval
 - For your use
 - As requested
 - For review and comment
 - For Signature and Recordation

REMARKS :

COPY TO: FILE; CLIENT W/INVOICE

SIGNED: Diane Chaney
 RTF ASSOC. INC

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

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, August 21, 2018 3:05 PM
To: John Lemmerman (john.rtf@gmail.com)
Subject: Floor Plans_2825 Florence Road
Attachments: Plan.pdf

Hello Mr. Lemmerman:

In looking over the percolation test plan for 2825 Florence Road, the proposed sewage disposal area is close to being up-gradient of the neighboring well and leaves little room for a replacement well on that lot. If you could shift the area over 10 to 20 feet (See attachment - area in yellow), then that will help. Is there a reason why a SDA near the existing drywells isn't being proposed (See attachment - area in orange)?

Can you send over a copy of the existing and proposed floor plan so we can see what's currently there and being proposed.

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

Respectfully,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
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8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, October 30, 2018 2:25 PM
To: 'John Lemmerman'
Subject: RE: Perc Cert Plan_2825 Florence Road_Spence Property

Hi John:

Yes, please use the specs in Howard County Code Section 3.812 Seepage Pits. The inspector will work with the contractor to ensure the upgrade is adequate. The septic contractor will need to apply for a septic upgrade to start the process with this office.

I did receive the floor plan for the 1st and 2nd floor but not for the basement. I did speak with the homeowner on the phone about the basement floor plan being unfinished. I also have Fogle's invoice regarding the size of the septic tank but there was no reference about its condition. I was really hoping to receive some feedback on that.

Thanks in advance,

Hank

From: John Lemmerman [<mailto:john.rtf@gmail.com>]
Sent: Tuesday, October 30, 2018 12:40 PM
To: Oswald, Hank
Subject: Re: Perc Cert Plan_2825 Florence Road_Spence Property

Hi Hank,

I am working on addressing your latest comments and have a question in order to do so. We missed each others phone calls so though email would be more efficient.

1. Comment #4 asks for drywell upgrade details on the plan (I assumed the Health Dept inspector would work with the contractor to address this). Do you have standard details for what you are looking for or are we using the specs in the County code for "seepage pits" since there is no specific requirements for "drywells"? Thanks in advance for your help.

Also, FYI, when asked, the Health Department has told RTF that submittals may be mailed.

I just want to make you aware that in the September 12, 2018 submittal to you, we included the homeowner provided floor plans and you later indicated you did not receive them. In the October 15, 2018 submittal, we included the invoice from Fogles septic and another copy of the homeowner floor plans. Your subsequent comment seems to indicate you did not receive the invoice. I completely understand things happen, however I also recently was informed that a complete submittal on other project was mailed to you also only to find out that you never received it. Again, the only purpose of passing this info on to you is to make sure you are aware that there may be a logistical problem in your office.

John Lemmerman, Prof. LS



www.rtfurveying.com

Fogle's Septic Clean, Inc.

**580 Obrecht Road
Sykesville, MD 21784**

Invoice Date
10/8/2018

Invoice #
297598

INVOICE

**PLEASE PAY
THIS AMOUNT**

\$125.00

Make checks payable to: **Fogle's Septic Clean, Inc.**

Bill To:

BARBARA SPENCE
2825 FLORENCE RD
WOODBINE, MD 21797

Service Address

BARBARA SPENCE
2825 FLORENCE RD
WOODBINE, MD 21797

Phone # 410-795-5670

Fogle's Septic Clean, Inc.
580 Obrecht Road
Sykesville, MD 21784

PLEASE DETACH AND RETURN TOP PORTION WITH PAYMENT

P.O. No.	Due Date	Rep	Ship Date
	10/8/2018	KAC	10/6/2018

Description	Qty	Rate	Amount
SERVICE CALL - EVALUATE SEPTIC TANK AND DETERMINE SIZE 1500 GALLON PER INSPECTOR (KURT CASSELL)		125.00	125.00

	Total	\$125.00
1.5% interest will be charged monthly on all unpaid balances after 30 days. \$30 CHARGE FOR RETURNED CHECK. RECEIPT DATE STAMPS ARE STRICTLY ENFORCED for ALL DISCOUNTS. Billing Questions - call 410-795-5670	Payments/Credits	\$0.00
	Customer Total Balance	\$1,125.00

142 East Main Street
Westminster, MD 21157
ph-410-848-2040
ph-410-876-1222
fax-443-289-8942

On Mon, Oct 22, 2018 at 1:13 PM Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hello John:

Attached, please find comments pertaining to the plan for 2825 Florence Road. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald

Licensed Environmental Health Specialist

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

hoswald@howardcountymd.gov

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Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, September 26, 2018 2:44 PM
To: 'Barbara Spence'; John Lemmerman
Cc: Sandy Bump; Rick Matney
Subject: Perc Test Results_2825 Florence Road_
Attachments: Perc Test Report_2825 Florence Road_9.26.2018.pdf; Perc Test Field Notes_2825 Florence_9.26.2018.pdf; Septic Specs_2825 Florence Road_2018.pdf

Hello All:

Attached, please find the perc test report, field notes and new septic specs for 2825 Florence Road.

According to Fogles, the tank is either 1000 gallon (3 bedroom capacity) or 1250 gallon tank (4 bedroom capacity). We will need confirmation in writing from Fogles on size of tank. In addition, please forward a copy of the existing floor plan for the residence to determine total bedroom count.

Based on today's liquid measurements/discussion with Fogles about drywell diameters and invert depths (printed on field notes), the existing drywells are good for 230 gallons/day. DW A = 125 sq. ft. , DW B = 162 sq. ft. Total = 287 sq./ft. x 0.8 rate = 230 gal/day (i.e. 4 bedroom x 150 gallons/day/bedroom = 600 gallons/day. You may opt to keep the drywells but the system is currently undersized and a trench will need to be added. Additional, the drywells must also be brought up to code by installing a vertical perforated pipe & filled with stone.

On the perc cert plan, please show how an additional trench plus 2 replacement systems fit inside the proposed sewage disposal area. If you decide to abandon the existing system, then show how 3 systems fit inside the proposed sewage disposal area.

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

Respectfully,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
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Maura J. Rossman, M.D., Health Officer

September 26, 2018

To: RTF Associates, Inc. (Engineer); Barbara Spence & Joyce Kroeller (Owner)

Percolation Test Report; 2825 Florence Road, Woodbine, MD 21797

Percolation tests were conducted at 2825 Florence Road on September 26, 2018. Tests and profile descriptions were documented for 5 locations. All 5 test holes passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer 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. I may be reached 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 test field notes

Oswald, Hank

From: Oswald, Hank
Sent: Monday, October 22, 2018 1:14 PM
To: John Lemmerman (john.rtf@gmail.com)
Cc: Barbara Spence (bspence2@verizon.net); rick@matneyconstructionservices.com
Subject: Perc Cert Plan_2825 Florence Road_Spence Property
Attachments: PERC CERT Memo_RTF__2018.pdf

Hello John:

Attached, please find comments pertaining to the plan for 2825 Florence Road. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald
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Howard County Health Department
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Maura J. Rossman, M.D., Health Officer

MEMORANDUM

TO: RTF Associates, Inc.
142 East Main Street
Westminster, MD 21157

FROM: Hank Oswald, L.E.H.S.
Well & Septic Program

RE: 2825 Florence Road
PERC CERT PLAN/OSDS PLAN

Date: October 22, 2018

The perc cert plan for 2825 Florence Road has been reviewed with the following comments:

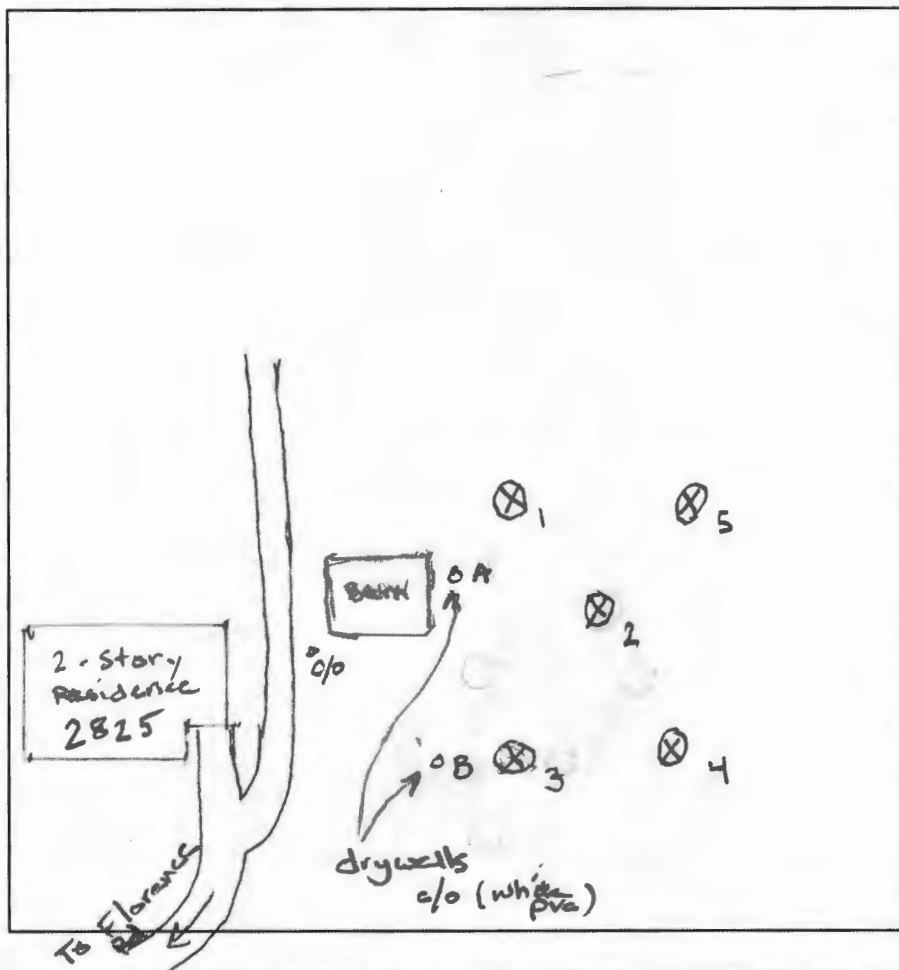
- 1.) Show a 1500 square foot well box or two alternate well sites with a 100 foot well radius.
- 2.) Eliminate any legend symbol not used on the plan (i.e. proposed perc test, observation hole etc.)
- 3.) The new trench should be 65 LF (Not 52 LF).
- 4.) Provide drywell upgrade details on plan. i.e. A perforated pipe will be installed in both drywells and then filled with stone.
- 5.) Provide a "blown up" picture of the trench layout on the plan. Please note that the trenches can overlap the perc test holes so move trenches toward top of the SDA.
- 6.) Show new trench elevations on the plan in chart format. Include Trench Length, Ground Elevation, Invert Elevation, and Bottom of Trench elevation. Also include the septic system profile. Note: This plan could also be used at the septic plan for system installation.
- 7.) Please provide septic tank size and condition on septic contractors invoice. Note size of tank on plan. If the tank is undersized for 4 bedrooms or if the tank condition is unsatisfactory, then it will need to be replaced. Please note on plan and include tank replacement details per county code.

AP 563977

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platy weak
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pale
red
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channery
platy weak/friable
13'
dry

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/26/18	1	5.4/16.6	8:59	9:02	9:06	4	P
9/26/18	2	5.7/13	9:27	9:34	9:41	7	P
9/26/18	3	5/17.1	8:48	Running Long			F
9/26/18	4	6/17.1	9:32	9:43	9:58	15	P
9/26/18	4	5.9/13	9:16	9:21	9:32	11	P
9/26/18	5	5.4/13	9:08	9:11	9:18	7	P

REMARKS DW - Block structure
chennouts updated on DW's septic tank by Fogles

SANITARIAN Hank Oswald BACKHOE Fogles OTHERS

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

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

drywell A - 12.3 d, 8' w, 7.7 from liz. to lid, Invert 2 in below lid
 Ex. System: B - 12.5 d, 8' w, 6.8 from liz. to lid, Invert 2 in below lid
 ≈ 1,000 - 1250 mid seam concrete tank