

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: 01/30/2019 **ONSITE SEWAGE DISPOSAL SYSTEM** P 564745

APPROVAL DATE: 02/07/2019 **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 12415 Hill Crest

SUBDIVISION: Hill Property LOT: 1 TAX ID: _____

CONTRACTOR: South Carroll Backhoe HATFIELDS EQ. EMAIL: scbackhoe@comcast.com

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618

PROPERTY OWNER: Fred and Jill Lewis EMAIL: _____

OWNER ADDRESS: 6505 Drifting Cloud Mews, Clarksville, MD 21029 PHONE: 410-707-0046

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon Vault or equivalent

PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 7 APPLICATION RATE 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>104</u>	INLET DEPTH: <u>2</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>13</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	PIPE SPEC: 4" CRESLINE COEX CELLULAR CORE PVC INSTALLED DWV PIPE IPS SCH 40 ASTM F891 NON PRESSURE	

ISSUED BY: Robert Bricker Freeman ISSUE DATE: _____ EXPIRATION DATE: _____

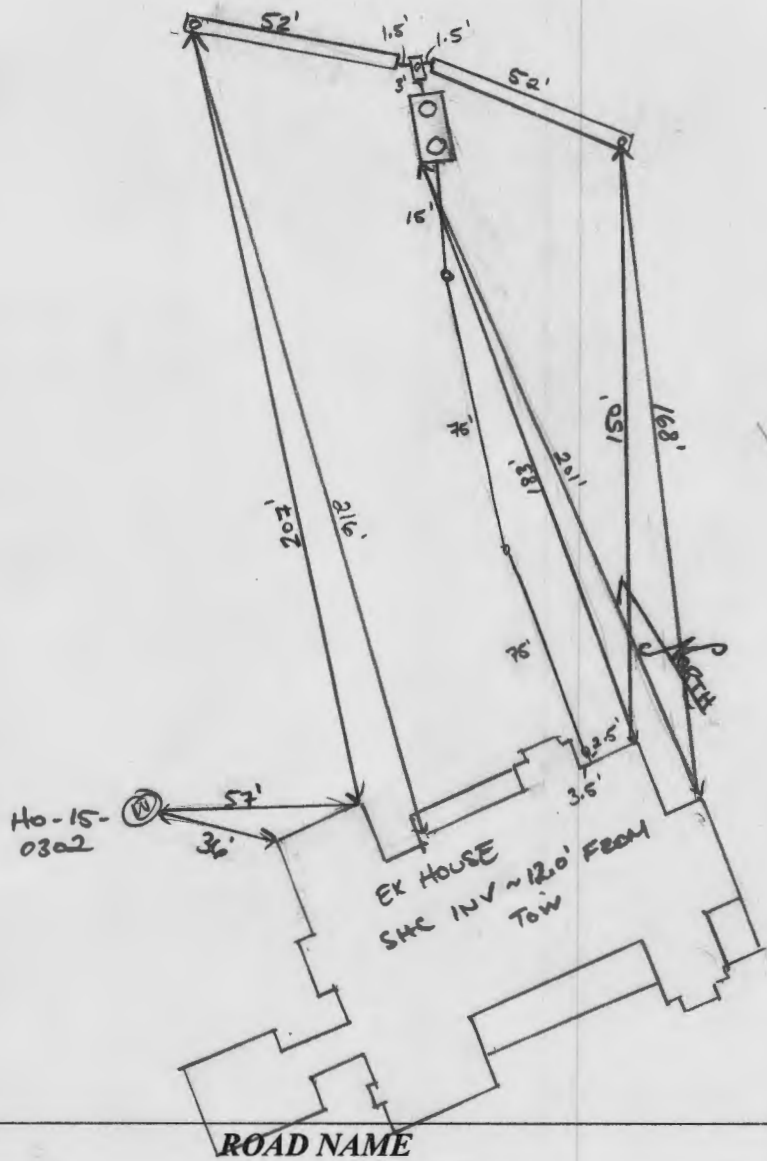
- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT 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 N/A
- 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.

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	8'
NUMBER OF TRENCHES <u>2</u>		
TOTAL LENGTH <u>104 ft</u>		
ABSORPTION AREA <u>312 ft²</u>		
DISTRIBUTION BOX LEVEL <u>YES</u>		
DISTRIBUTION BOX BAFFLE <u>YES</u>		
DISTRIBUTION BOX PORT <u>YES</u>		

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	<u>YES</u>
MANUFACTURER	<u>BABYLON</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>TOP</u>
TANK LID DEPTH	<u>1.4' - 1.5' (0)</u>
BAFFLES	<u>YES</u>
BAFFLE FILTER	<u>NO</u>
MANHOLE LOC	<u>FRONT/BACK</u>
6" PORT LOC	<u>INLET</u>
WATERTIGHT TEST	<u>NO</u>
SLOTTED	<u>YES</u>
DATE ON LID	<u>12/27/2018</u>

PUMP/SEPTIC TANK LEVEL

MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____

PRE-CONSTRUCTION:

2/5/2019 TRENCHES LAID OUT ON CONTOUR. OK TO START. (C)

INSTALLATION: 2/6/2019 SHC INSTALLED AND CONNECTED TO SEPTIC TANK.
C/O INSTALLED EVERY 75'. OK TO BACKFILL. (P) 2/7/2019 (AM) TRENCH COMPLETE.
CONTINUE CONST. ON FINAL TRENCH. (PM) FINAL TRENCH COMPLETE.
D BOX SET AND LEVELED W/ SPEED LEVELERS. OK TO BACKFILL. (P)

FINAL INSPECTOR

DATE OF APPROVAL

02/07/2019

Freemon, Robert

From: Freemon, Robert
Sent: Thursday, November 08, 2018 12:57 PM
To: 'Stephanie Tuite'; philipstevensbuilders@gmail.com
Cc: Philip Stevens; Williams, Jeffrey
Subject: RE: 12415 Hill Crest

Stephanie,

The culvert itself is not directly inside the well box. You are correct about that. However the proposed grading creates a swale and depression directly inside and directly adjacent to the well box for the purpose of funneling rain/storm water directly to the culvert. The natural contour of the land and road run off in addition to the swale and depression guide surface water over to this area. Regardless if the road is a public road or a common driveway it will still be salted during the winter to keep ice from forming. This road salt will inevitably wash over towards the lot and end up in the swale and depression which are inside the well box. We want to avoid channeling surface run off (especially road runoff contaminated with road salt) in and around this area. The graded swale and depression in addition to the culvert must be removed or relocated prior to septic design plan approval. If you would like to discuss this matter further I would be happy to set up a date and time for all of us to meet. I would request the future homeowners / potential buyers be present during this meeting as this matter I'm sure would be of concern to them. Let me know how you would like to proceed.

Robert "Spencer" Freemon
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
Bureau of Environmental Health
Well and Septic Program
Phone: 410-313-6357
Email: rfreemon@howardcountymd.gov
Website: <https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

From: Stephanie Tuite [<mailto:Stephanie@fcc-eng.com>]
Sent: Monday, November 05, 2018 4:49 PM
To: Freemon, Robert; philipstevensbuilders@gmail.com
Cc: Philip Stevens
Subject: RE: 12415 Hill Crest

I don't really see what road side rain / storm runoff is going over the well box. The culvert is downhill of the well box and the majority of the common driveway which is not a public road doesn't even flow onto the lot. Not sure I understand the issue.

Steph

Stephanie Tuite, RLA, PE, LEED AP BD&C
FISHER, COLLINS & CARTER, INC.

From: Freemon, Robert <rfreemon@howardcountymd.gov>
Sent: Monday, November 05, 2018 2:17 PM
To: philipstevensbuilders@gmail.com

Cc: Stephanie Tuite <Stephanie@fcc-eng.com>; Philip Stevens <philip@stevensbuilders.com>
Subject: RE: 12415 Hill Crest

Whether the culvert and grading are rearranged or removed entirely we will not approve a septic plan that funnels road side rain/storm water over the well and/or well box. The culvert needs to be 25ft from the well box.

Robert "Spencer" Freemon
Howard County Health Department
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Phone: 410-313-6357
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Website: <https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

From: Philip Stevens [<mailto:philipstevensbuilders@gmail.com>]
Sent: Friday, November 02, 2018 5:04 PM
To: Freemon, Robert
Cc: Stephanie Tuite; Philip Stevens
Subject: Re: 12415 Hill Crest

not exactly what I meant to say I said if it would help expedite the permit we would consider deleting that culvert pipe and second driveway redesign the front yard per landscape architect design but am willing to move forward with the current design to get the permit

On Fri, Nov 2, 2018, 4:40 PM Freemon, Robert <rfreemon@howardcountymd.gov> wrote:

Stephanie,

Here are my comments for 12415 Hill Crest. I need to see an accurate plan of what is actually being constructed on this property. From what I understand based on my phone conversation with Philip is the circular drive way, the culvert and grading (in that area) are not going to be constructed. Let me know if I am wrong about any of that. If you have any questions let me know.

Robert "Spencer" Freemon
Howard County Health Department
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Phone: 410-313-6357
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Twitter: HowardCoHealthDep

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

MEMORANDUM

TO: Fisher, Collins & Carter, Inc.
10272 Baltimore National Pike
Ellicott City, MD 21042

FROM: Robert Freemon *RF*
Well & Septic Program

RE: 12415 Hill Crest
Fulton, MD 20759
"Septic Plan Comments"

DATE: 11/2/18

After review of the septic system design plan for 12415 Hill Crest here are my comments.

- The graded swale and culvert inside of the well box must be removed / relocated. The graded swale will collect road side rain water and funnel it over the well and well box. This county is having serious issues with road salt contaminating home owners well water and corroding their pipes. We want to avoid this situation as much as possible. The culvert needs to be 50' from the well / well box. It is considered the same as a storm water grate and it will also collect road salt with the rain water funneled into it.
- Raise the proposed trench inverts to be 2ft below grade. Raising the trench inverts will allow more of the effective side wall to be utilized and allow more aerobic bacteria to work on the effluent disposed. This is proper system design.
- The specs used to design the 2nd replacement system are incorrect.
- There is extra unnecessary space between the initial set of trenches and the 1st replacement set of trenches. Space within the approved SDA should not be wasted.
- Make sure all sections of the plan correspond with one another. The "Initial Trench Detail" and "Trench Data" have different invert elevations.

Freemon, Robert

From: Freemon, Robert
Sent: Friday, November 02, 2018 4:40 PM
To: 'Stephanie Tuite'
Cc: 'philip@stevensbuilders.com'
Subject: 12415 Hill Crest
Attachments: 12415 Hill Crest 2.pdf

Stephanie,

Here are my comments for 12415 Hill Crest. I need to see an accurate plan of what is actually being constructed on this property. From what I understand based on my phone conversation with Philip is the circular drive way, the culvert and grading (in that area) are not going to be constructed. Let me know if I am wrong about any of that. If you have any questions let me know.

Robert "Spencer" Freemon
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Website: <https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.
Frank Manalansan II, L.S.
Stephanie Tuite, RLA, P.E., LEED AP BD&C

Transmittal

Via: Fax Mail Messenger E-Mail To Be Picked Up
 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: Spencer Fax: Phone: 410-313-2640
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From: Tony Fertitta	CC:
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Re: Hill Property 12415 Hill Crest	W.O.# 05062
Date: October, 2018	Pages: 0 Page(s) Including this cover

We are forwarding:	<input checked="" type="checkbox"/> Prints	<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Specifications	<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Other
	<input type="checkbox"/> Urgent	<input type="checkbox"/> For your use	<input type="checkbox"/> As requested	<input checked="" type="checkbox"/> For Review & Comment	

Remarks:

Re: 12415 Hill Crest.

Here are 3 new copies of the OSDS for 12415 Hill Crest For your review. Please let me know if you have any questions.

Thank You,

Tony.

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

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