

To: Cole Cushmar
Subject: RE: 37309 snickersville

Cole –

The subdivision application did not require that the exact number of bedrooms be provided. The sites were identified and total square footage of treatment area for primary and reserve were indicated. A septic system can be designed from the site information indicated. You might consult with your soil consultant for more information regarding the number of bedrooms that would be derived out of the sites identified.

All of the new sites described indicated treatment level – 3 discharge, which would mean alternative system design.

Mark

Paul MacMahon

From: "Cole Cushman" <ccushman@cushmaninsurance.com>
To: "Paul MacMahon" <paul19@starpower.net>
Sent: Tuesday, May 16, 2017 3:00 PM
Subject: Fwd: 37309 Snickesville Turnpike
See below

Sent from my iPhone

Begin forwarded message:

From: JT Frazier <JTFraz@frazierconsultants.com>
Date: May 16, 2017 at 3:00:03 PM EDT
To: Cole Cushman <ccushman@cushmaninsurance.com>
Subject: 37309 Snickesville Turnpike

1-9

Cole,

As per your request, Lots 2, 3, and 4 will support at least 4-5 bedroom sites utilizing alternative technology. Lots 3 and 4 will support an alternative drainfield with trenches. Lot 2 will support an alternative drainfield utilizing drip dispersal.

If you have any questions, please don't hesitate to contact me.



J.T. Frazier
OSE, CPSS
President
Frazier Consultants, Inc.
5181 Lee Highway
Warrenton, Virginia 20187
(540) 347-5500



Loudoun County Health Department

P.O. Box 7000
Leesburg, VA 20177-7000



Environmental Health
Phone 703 / 777-0234
Fax 703 / 771-5023

Community Health
Phone: 703 / 777-0236
Fax. 703 / 771-5393

12/1/2016

Mr. Scott Berger
Department of Building & Development, Planning Division
1 Harrison Street MSC 60A
Leesburg, VA 20177-7000

RE: **Tyler Cushman**
PIN 531-37-8488
Application # T50318720001

Dear Mr. Berger:

Field evaluation of the drainfield sites proposed by the applicant's consultant, J.T. Frazier, is complete. Most relevant documentation has been received. Four (4) sites were delineated which appeared to be capable of meeting applicable Loudoun County and Virginia State private sewage disposal system codes, ordinances, and regulations for possible residential subdivision. To the extent that FSM Chapter 8, Section 8.102.B.1 requires written Health Department approval of proposed sites for sewage disposal systems, this letter is intended solely to serve as satisfactory completion of such requirement. However, the number of potential drainfield sites referenced in this paragraph may not equate to the number of potential or approvable lots. This field evaluation did not consider location of sites in relation to proposed, future property lines, roadways or other future infrastructure, and this letter does not serve as the written approval of proposed locations for such systems required by LSDO Section 1245.10.

This letter does not serve as satisfactory completion of requirements for a hydrogeological study contained in FSM Chapter 6, section 6.210.

The owner/developer must inform their surveyor/engineer that the plat must show the drainfield sites, below and above-ground storage tanks, and any existing drainfields and wells (on or within 200' of the perimeter of the property). This letter will be current until 12/1/2019. After that time, if no regulation changes have taken place, a new "Application for Health Department Review of Soil as Part of Land Development Proposal" can be filed with the appropriate fees and the soils work would then be considered reactivated. Field stake-out by a surveyor and subsequent field visit by a representative of this office will be required. If you have any questions, call me at (703) 737-8392.

Sincerely,

Mark J. Sharrer
Environmental Health Specialist

cc: Tyler Cushman
J.T. Frazier

MJS/JAB/mjs



COMMONWEALTH OF VIRGINIA
 UNIFORM WATER WELL COMPLETION REPORT

DEQ Well # _____
 USGS Local # _____
 VDH HDIN # T60377840003
 VDH PWSID # _____

1. Contact Information

Contact:	Name	Address	Phone
Owner	Cushman Tyler C	773 Station Rd. Herndon Va 20170	
Driller	Valley Drilling Corp.	P. O. Box 604 Upperville Va. 20185	540-592-3239
System Provider			

2. Well Location

Physical Address: 15 S R on Limekiln Rd. Snickersville Prop on left lot 4		County/City: Loudoun	
Subdivision Name:	Section:	Block:	Lot: 4
Tax Map/GPIN #: 56-31		Well Designation or Number: T60377840003	
Latitude: 39°02.974' N		Longitude: 077°44.170' W	
Datum Source	Horizontal: <input type="checkbox"/> WGS84 <input type="checkbox"/> NAD83 <input type="checkbox"/> NAD27	Vertical: <input type="checkbox"/> NGVD29 <input type="checkbox"/> NAVD88	
Lat/Long Source (Check One): <input type="checkbox"/> Map <input checked="" type="checkbox"/> GPS <input type="checkbox"/> PPDGPS <input type="checkbox"/> Survey <input type="checkbox"/> Imagery <input type="checkbox"/> WASS			
Location Information Collected By : Dewey Powers			
Physical Location Description:			

3. Facility & Use

Type of Facility (Check One):	Type of Use (Check All That Apply):		
<input type="checkbox"/> Waterworks	<input checked="" type="checkbox"/> Drinking/Domestic Use	<input type="checkbox"/> Food Processing	<input type="checkbox"/> Cooling/Heating
<input type="checkbox"/> Observation/Monitoring Well	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Injection
<input checked="" type="checkbox"/> Private Well	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Fire Safety	<input type="checkbox"/> Geothermal

4. Well Construction

Well designation, Name or Number: T60377840003			
Date Started: 10-26-16		Date Completed: 10-26-16	
		Type Rig: Air Rotary	
Class Well (Check One): <input type="checkbox"/> I <input type="checkbox"/> IIA <input type="checkbox"/> IIB <input type="checkbox"/> IIIA <input checked="" type="checkbox"/> IIIB <input type="checkbox"/> IIIC <input type="checkbox"/> IIID <input type="checkbox"/> IIIE <input type="checkbox"/> IV			
Construction Type (Check One): <input checked="" type="checkbox"/> New <input type="checkbox"/> Existing-Modified			
Well Depth: 320 ft.		Borehole Depth: 320 ft.	
		Depth to Bedrock: 28 ft.	
Hole Size (Include reamed zones): 10 inches from 0 to 63 ft. 6 Inches from 63 to 320 ft.			
Height of Casing above Land Surface: 1 ft. 6 inches			
Casing Size (I.D.) and Materials: (below)		Total Depth of Casing: 63 ft.	
6 inches from 0 to 63 ft.	Material Steel .188	Weight per ft. 13 or wall thickness in.	
inches from to ft.	Material	Weight per ft. or wall thickness in.	
inches from to ft.	Material	Weight per ft. or wall thickness in.	
inches from to ft.	Material	Weight per ft. or wall thickness in.	
inches from to ft.	Material	Weight per ft. or wall thickness in.	
Screen Size & Mesh:			
inches from to ft.	Mesh Size	Type	
inches from to ft.	Mesh Size	Type	
inches from to ft.	Mesh Size	Type	
Water Zones: from 151 to 152 ft.		from 282 to 283 ft.	
		from to ft.	
Gravel Pack: from to ft.		from to ft.	
		from to ft.	
Grout Type: Bentonite from 0 to 60 ft.		Grouting Method: Pressure	
		Type of Seal: Well Cap	
This information was collected by Camera Survey: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date Conducted:			
Additional Well Construction Form Information Attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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 USGS Local # _____
 VDH HDIN # T60377840003
 VDH PWSID # _____

Well designation, Name or Number: T60377840003

5. Disinfection

Well Disinfected: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date:
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6. Abandonment (*When abandoning a well, Sections 1 thru 6 are required to be completed)

Date Started:	Date Completed:	Type Rig:
Static Water Level (unpumped level measured):		ft.
Casing Size (I.D.) and Materials:		Casing Pulled: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncased Well
Depth of Fill:	Type and Source of Fill:	
Grout: From 0 to 60	Type:	From to Type:
Method of permanently marking location:		

7. Pump Test

Static Water Level (unpumped level measured): 35		ft.
Date: 10-26-16	Method (Check One): <input checked="" type="checkbox"/> Water Tape <input type="checkbox"/> Airline <input type="checkbox"/> Transducer <input type="checkbox"/> Other	
Stabilized measured pumping water level: 55		ft.
Date: 10-26-16	Method (Check One): <input type="checkbox"/> Top of Well <input checked="" type="checkbox"/> Top of Casing <input type="checkbox"/> Surface Level	
Test Pump Intake Depth: 300	Air lift	ft Stabilized Yield: 6
Natural Flow: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Flow Rate
		gpm after 2 hours
		gpm

8. Pump Data

Type:	Motor HP:
Production Pump Intake Depth:	ft Rated Capacity:
	gpm at
	ft TDH

9. Geologic Information

Formation: Blue Stone & Quartz	Type Logs: Drillers
Lithology:	Cuttings: Blue Stone & Quartz
Province:	Aquifer Test Performed:
Geologic Map Used:	
Water Quality Results Attached: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Comments:

COMMONWEALTH OF VIRGINIA
 UNIFORM WATER WELL COMPLETION REPORT

DEQ Well # _____
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 VDH PWSID # _____

10. Driller's Log (Use additional sheets if necessary)

Well designation, Name or Number: T60377840003					
Depth (feet)		Type of Rock or Soil	Remarks	Drilling Time (Min.)	Diagram of Well Construction (with dimensions)
From	To	(Color, material, fossils, hardness, etc.)	(Water, caving, cavities, etc.)		
0	28	Overburden	151' @ 2 GPM	360	-----
28	320	Blue Stone & Quartz	282' @ 4 GPM		Casing 1' 6" above ground

					0 - 28' Overburden

					63' Of 6" Casing

					151' @ 2 GPM

					282' @ 4 GPM

					28' - 320' Bluestone & Quartz

I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the applicable permit and further that the well complies with all applicable federal, state and local regulations, ordinances and laws

Signature: 

Date: 10 28 16

License Number. 2719000338

COMMONWEALTH OF VIRGINIA
 UNIFORM WATER WELL COMPLETION REPORT

DEQ Well # _____
 USGS Local # _____
 VDH HDIN # T60377840003
 VDH PWSID # _____

Additional Well Construction Data

Well designation, Name or Number: T60377840003																	
Physical Location: 15 S R on Limekiln Rd. Snickers						Date Started: 10-26-16			Date Completed: 10-26-16								
Hole Size (Include reamed zones):																	
10	inches	from	0	to	63	ft.	6	inches	from	63	to	320	ft.	inches	from	to	ft.
	inches	from	to	ft.			inches	from	to	ft.			inches	from	to	ft.	
	inches	from	to	ft.			inches	from	to	ft.			inches	from	to	ft.	
Casing Size (I.D.) and Materials:																	
6	inches	from	0	to	63	ft.	Material	Steel .188	Weight per ft.	13	or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
	inches	from	to	ft.			Material		Weight per ft.		or wall thickness	in.					
Screen Size & Mesh:																	
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
	inches	from	to	ft.			Mesh Size		Type								
Water Zones:																	
From	151	to	152	ft.	From	282	to	283	ft.	From	to	ft.	From	to	ft.		
From	to	ft.			From	to	ft.			From	to	ft.	From	to	ft.		
From	to	ft.			From	to	ft.			From	to	ft.	From	to	ft.		
From	to	ft.			From	to	ft.			From	to	ft.	From	to	ft.		
Gravel Pack:																	
From	to	ft.			From	to	ft.			From	to	ft.					
From	to	ft.			From	to	ft.			From	to	ft.					
From	to	ft.			From	to	ft.			From	to	ft.					
Grout: Type: Bentonite																	
from 0 to 60 ft.																	
Grout: Type:																	
from to ft.																	
Grout: Type:																	
from to ft.																	