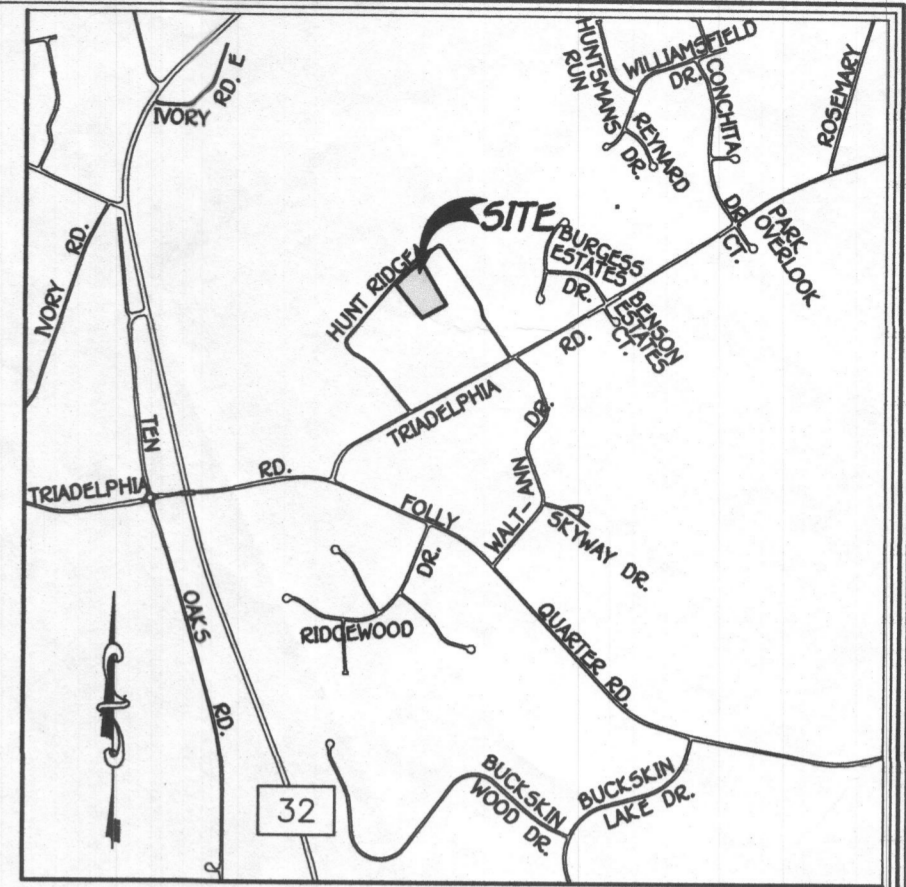


LEGEND

- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- ~~~~~ EXISTING TREE LINE
- GLB2 MCL22 SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- ⊙ DENOTES PROPOSED PERC
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE



VICINITY MAP
SCALE : 1" = 1200'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA ARE NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN HEREON IS BASED FIELD RUN SURVEY, SUPPLEMENTED WITH HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
7. BOUNDARY SHOWN HEREON IS BASED ON DEED.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
9. EXISTING WELL HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC. IN AUGUST 2013.
10. NO ALTERNATE WELL LOCATIONS EXIST.
11. THE PERC TEST LOCATIONS ON-SITE REFLECT FIELD LOCATIONS.
12. THE PURPOSE OF THIS PERCOLATION TEST PLAN REVISION IS TO TEST FOR CONVENTIONAL SYSTEM AND AT LEAST ONE REPLACEMENT. ADDITIONAL HOLES (2006 - 2008) ARE PROPOSED TO ESTABLISH TWO AREAS FOR THE CONVENTIONAL SYSTEMS AND HOLE 2009 TO EVALUATE POTENTIAL FAILURE FOR A DRYWELL. HOLE 2009 IS LOCATED IN A WET SEASON SOIL AND WOULD REQUIRE WET SEASON TESTING TO BE UTILIZED FOR DRYWELL.

I:\2013\13010\dwg\13358 Deed Farris Property Perc Plan-2.dwg, 7/17/2015 10:40:57 AM, 1:1

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2895

OWNERS
KATHLEEN FARRIS
13261 HUNT RIDGE ROAD
ELLCOTT CITY, MARYLAND 21042
443-227-3290

PLAN
SCALE: 1" = 60'

**PERC TEST PLAN - PLAN B
HUNT RIDGE ROAD**

Zoned: RR-DEO
Tax ID No: 03-302172
Tax Map No. 22; Grid No. 9; Parcel No. 426
Third Election District - Howard County, Maryland
Date: July, 2015 Scale: 1"=60'

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 Boulevard Columbia, MD 21046-4544	Attn: Hank Oswald / Jeff Williams Fax: (410) 313-2648 Phone: (410) 313-2640
---------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------

From: Stephanie Tuite	CC:
------------------------------	-----

Re: Hunt Ridge Road	W.O.# 13010
Date: July 9, 2015	Pages: 3 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 type="checkbox"/> For Review & Comment

Remarks:

Hank / Jeff:

Enclosed please find Two (2) revised prints of the drawing entitled " Perc Test Plan - Plan B - Hunt Ridge Road" dated July, 2015 showing additional perc holes as per Jeff's email discussion with the owner last week.

If we may be of any further assistance, please do not hesitate to call.

Very truly yours,

Stephanie Tuite, RLA, PE, LEED AP BD&C

CONFIDENTIALITY NOTICE

This transmission contains confidential information which may be legally privileged, and is intended only for the use of the individual named above. If you are not the intended recipient, you are hereby notified that any distribution (except to the intended recipient), copying, or disclosure of this transmission is strictly prohibited.

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Via: Fax Mail Messenger E-Mail To Be Picked Up
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To: Bureau of Environmental Health 8930 Stanford Boulevard Columbia, MD 21046-4544	Attn: Hank Oswald / Jeff Williams Fax: (410) 313-2648 Phone: (410) 313-2640
---------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------

From: Stephanie Tuite	CC:
------------------------------	-----

Re: Hunt Ridge Road	W.O.# 13010
Date: July 17, 2015	Pages: 3 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 type="checkbox"/> For Review & Comment	

Remarks:

Hank / Jeff:

Enclosed please find Two (2) revised prints of the drawing entitled " Perc Test Plan - Plan B - Hunt Ridge Road" dated July, 2015 showing the revisions requested to the locations onf the additional perc holes.

If we may be of any further assistance, please do not hesitate to call.

Very truly yours,

Stephanie Tuite, RLA, PE, LEED AP BD&C

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FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
6/24/15	<p>I met with Stephanie Tute from FCC. We can test non-wet season holes now, not wet season. We can test a hole in the barn to see if the soil is acceptable for subsurface disposal. Mand systems are not ^{must be} < 12% slopes and not on concave tops and be long enough for linear loading. I don't see an area that fits those parameters. We discussed the possibility for a drywell in the far corner, but it is wet season. I was open to testing it just to see if it would fail outside outside wet season. The latest proposal has failing hole 2001 mislabeled as passing hole 2003. <i>See</i></p>
11/23/18	<p>Meeting with Tony + Todd from FCC + builder, Tim regarding property + newly discovered pipestems through SDA. We discussed the high groundwater on the lot + the unlikelihood of any passing holes elsewhere. They requested we discuss w/ MDE possibility of reduced stream setback to test on other side of stream. We suggested pursuing easement agreements for pipestems or for off-site testing. <i>See</i></p>
9/13/19	<p>I spoke with a neighbor who owns one of the pipestems. I explained that the original perc app + p.c. did not show any pipestems. The lot is now non-buildable with no percable area that we can identify. The owner can privately buy or get an easement over the pipestems, but we will not assist in that effort. <i>See</i></p>

Oswald, Hank

From: Williams, Jeffrey
Sent: Thursday, July 23, 2015 8:14 AM
To: Kathleen Farris; Oswald, Hank
Cc: stephanie@fcc-eng.com
Subject: RE: Hunt Ridge Road_Perc Test Plan

The lower hole locations are adjacent to and/or downgrade from previously failing holes due to seasonally high water table. We are required under state regulations to only test holes under the influence of seasonal water tables during times when the table is seasonally high. Based on the landscape position and the results of the nearby holes, I do not have any confidence that those holes will pass. However, the one nearby hole had good soil at 5', but water eventually crept in at 8'. If we were to have tested that hole when the water table was not at its seasonal high, we would have passed it and a future system in that area would not have the required 4 foot zone of soil to filter the sewage effluent during the wet seasons. That nearby hole is a perfect example of why we only test those types of holes during a wet season.

The other proposed holes in the upper slope area above the barn are able to be tested normally at this time. Thanks
Jeff

From: Kathleen Farris [<mailto:ensignsgace@hotmail.com>]
Sent: Wednesday, July 22, 2015 10:06 AM
To: Oswald, Hank; Williams, Jeffrey
Cc: stephanie@fcc-eng.com
Subject: RE: Hunt Ridge Road_Perc Test Plan

This was not our what we agreed to Hank. Why on EARTH would I spend nearly \$1000 with a backhoe only to have to redo it come Spring??? That makes NO SENSE!! We've been working this issue for OVER A YEAR. This is totally unsatisfactory!!

From: hoswald@howardcountymd.gov
To: ensignsgace@hotmail.com
CC: stephanie@fcc-eng.com
Subject: RE: Hunt Ridge Road_Perc Test Plan
Date: Wed, 22 Jul 2015 13:32:36 +0000

Hi Kathleen:

I just wanted to mention ahead of time that while the Health Department is willing to test holes 2010, 2011 and 2012 now to see whether they have the potential to pass, we would not be able to officially pass them until we come back during wet season next year and test again.

Please let me know if you have any questions.

Thanks,

Hank

From: Kathleen Farris [<mailto:ensignsgrace@hotmail.com>]
Sent: Tuesday, July 21, 2015 8:01 AM
To: Oswald, Hank
Cc: stephanie@fcc-eng.com
Subject: RE: Hunt Ridge Road_Perc Test Plan

The 29th with Fogles

From: hoswald@howardcountymd.gov
To: ensignsgrace@hotmail.com
CC: Stephanie@fcc-eng.com
Subject: RE: Hunt Ridge Road_Perc Test Plan
Date: Tue, 21 Jul 2015 11:09:15 +0000
Hi Kathleen:

Please let me know which day works best so I can get it on the calendar. We'll plan to start around 9 a.m.

Thanks,

Hank

From: Kathleen Farris [<mailto:ensignsgrace@hotmail.com>]
Sent: Friday, July 17, 2015 9:30 AM
To: Oswald, Hank; stephanie@fcc-eng.com
Subject: RE: Hunt Ridge Road_Perc Test Plan

Thanks Hank...either day works for me...Steph do you have a preference? I'll ensure the machinery is there.

From: hoswald@howardcountymd.gov
To: Stephanie@fcc-eng.com
CC: ensignsgrace@hotmail.com
Subject: Hunt Ridge Road_Perc Test Plan
Date: Thu, 16 Jul 2015 14:10:02 +0000
Hi Stephanie:

I spoke to Jeff regarding this plan. We noticed one or two holes fell within 100 feet of the streamline. Please revise the plan to show them outside of this setback.

Here are some potential test dates: Tuesday July 28 or Wed 29th. Please let me know which day works best for everyone.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department

Stephanie Tuite, RLA, PE, LEED AP BD&C
Fisher, Collins & Carter, Inc.

From: Kathleen Farris [<mailto:ensignsgrace@hotmail.com>]
Sent: Tuesday, October 20, 2015 1:10 PM
To: Oswald, Hank <hoswald@howardcountymd.gov>; Stephanie Tuite <Stephanie@fcc-eng.com>
Cc: Bernard, Dana <dbernard@howardcountymd.gov>
Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Stephanie: This mornings debacle ended in sending everyone home, after wasting 2 hrs of 5 people's time - me, Hank, Dana and two gentlemen from Fogles. Per previous email, the survey crew put stakes below the GMB lines, which per Hanks email can only be perc'd in wet season, so none of these stakes were applicable; they put them in the same two places in lower back field where the first two holes from May failed; there were only 2 stakes in upper back field; one in the middle of swale line, where the water comes rushing off the hill and goes under the blue gate to head to the stream; one other atop the failed hole by fenceline for 13261 Hunt Ridge (by red gate). Most of these stakes did not comport to the drawing that the County had; and none of them were where I asked that we test.

As such, lets proceed as follows:

Within 5 days, please let me know what time the survey crew can be back out. I will show them where I want stakes to be placed to continue testing. They can take the measures and re-create a plot plan based on this. There will be one in front field small paddock, right by the barn; one right by the barn in back field, parallel to the one in the front, and one in back field down by water trough (we had that as site in May, but didn't dig there.) Then they will put a stake in middle of hay pile, right in the middle of back field, approx. 30' uphill from the fenceline (the GMB line runs almost along that back fenceline) and we might try ONE more to connect to the two successful holes at the back of the property.

So; 4-5 holes proposed; 4-5 stakes. That shouldn't take long.

Then, please send me electronic copy of what is submitted to the county. After looking at the plot the county had this am, it had no resemblance to the stakes that were in the field. I will make sure this doesn't happen again.

So hopefully within ten days we should be ready to try this again...Dana, Hank, please check your schedule and let me know when you can be out and we will get this done.

Please let me know ASAP if this schedule can not be met

V/R
Kate

From: hoswald@howardcountymd.gov
To: ensignsgrace@hotmail.com
CC: dbernard@howardcountymd.gov

Oswald, Hank

From: Oswald, Hank
Sent: Wednesday, October 21, 2015 11:21 AM
To: 'Kathleen Farris'
Cc: Bernard, Dana; Stephanie Tuite (Stephanie@fcc-eng.com)
Subject: RE: Perc Test Result_13245 Hunt Ridge Road
Attachments: WS_HuntRidgeRoad_Time Stamped 7.17.2015.pdf

Hi Kate:

Attached, you will find a copy of the test plan for Hunt Ridge Road (Map 22, Grid 9, Parcel 426).

In speaking with Jeff this morning, we are going to proceed with testing 2006, 2007 and 2008 as planned and save the rest of the proposed holes for wet season since those holes are located right next to the wet season soil line or within wet season type soils. If hole 2008 passes, then we could try for more holes down gradient from it later on during wet season to increase the size of that area. As for the hole locations that we spoke about yesterday, the hole location in front of the barn is right on the wet season type soil line so that one should be placed on hold until wet season. The proposed hole on the side of the barn doesn't really provide any benefits especially if holes 2006 & 2007 do not pass.

Please have those aforementioned holes properly staked and we can proceed with testing on November 3rd or 5th or preferably anytime during the third week of November. Should you have any questions or concerns, please don't hesitate to contact me.

Respectfully,

Hank

From: Kathleen Farris [mailto:ensignsgace@hotmail.com]
Sent: Wednesday, October 21, 2015 10:20 AM
To: Oswald, Hank
Subject: FW: Perc Test Result_13245 Hunt Ridge Road

Hank: can you forward me copy of the engineering drawing we were looking at yesterday. I realized last night that in addition to all their other mistakes, FCC marked the PROPOSED hole right by the barn as FAILED from May test...we never dug that proposed hole! I'm still so PISSED I can hardly see straight!

From: Stephanie@fcc-eng.com
To: ensignsgace@hotmail.com; hoswald@howardcountymd.gov
CC: dbernard@howardcountymd.gov
Subject: RE: Perc Test Result_13245 Hunt Ridge Road
Date: Tue, 20 Oct 2015 18:50:01 +0000

Not sure what happened. The plan I have does not show things to be staked the way you describe. I will have Amy coordinate with you. For some reason our server was having issues yesterday, so I didn't get your previous email until a little bit ago. I have been out of the office, just returned a little after 2pm. Sorry.

Steph

Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Date: Mon, 19 Oct 2015 13:43:06 +0000

Hi Kate:

I just wanted to confirm tomorrows percolation test starting at 9 a.m.

Thanks,

Hank

From: Kathleen Farris [<mailto:ensignsgrace@hotmail.com>]

Sent: Friday, October 02, 2015 1:11 PM

To: Oswald, Hank

Cc: Bernard, Dana

Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Yes Hank...Fogles can do it 0900 on Tues 20th Oct. Thanks much...see you then.

V/R

Kate

From: hoswald@howardcountymd.gov

To: ensignsgrace@hotmail.com

CC: dbernard@howardcountymd.gov

Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Date: Fri, 2 Oct 2015 16:12:48 +0000

Hi Kate:

Does Tuesday October 20th work for you?

Hank

From: Kathleen Farris [<mailto:ensignsgrace@hotmail.com>]

Sent: Thursday, October 01, 2015 8:49 PM

To: Oswald, Hank

Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Hi Hank... It seems like the monsoon season has come back!! We're sked to perc this Tues, but if this hurricane hits like they're saying it will, we'll all need a snorkel! I wont be able to get the equipment back there!! Can we pick an alt date, like a week or so out?? I'm so sorry, I know we MUST get this done, but hurricanes not withstanding...

Stay safe!

Kate

From: hoswald@howardcountymd.gov

To: ensignsgrace@hotmail.com

CC: jewilliams@howardcountymd.gov

Subject: FW: Perc Test Result_13245 Hunt Ridge Road

Date: Tue, 28 Jul 2015 19:59:07 +0000

Hi Kathleen:

Attached is a copy of the percolation test results forwarded to Stephanie on May 26th.

I received an email from Stephanie about moving the test date to the week of August 24th. How about Tuesday August 25th?

Hank

From: Oswald, Hank
Sent: Tuesday, May 26, 2015 1:51 PM
To: Stephanie Tuite (Stephanie@fcc-eng.com)
Subject: Perc Test Result_13245 Hunt Ridge Road

Stephanie:

Attached is a copy of the percolation test results for 13245 Hunt Ridge Road.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
410.313.1786

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, October 22, 2015 12:51 PM
To: 'Kathleen Farris'
Cc: Bernard, Dana; Williams, Jeffrey
Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Hi Kate:

If you want to test in locations other than what I described in my previous email, please submit a revised test plan for review prior to our scheduled test date of November 3rd.

Thanks,

Hank

From: Kathleen Farris [mailto:ensignsgace@hotmail.com]
Sent: Wednesday, October 21, 2015 2:16 PM
To: Oswald, Hank
Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Hank:
Thanks for the copy.

I've already told the engineers to send the survey crew back out; 2006 was staked RIGHT NEXT to the failed hole 2002A; there is no point wasting money digging up on that hill. The attached made it look like it was 20' away from 202, it wasn't; 2007 is right in the path of all the water that comes off that hillside, so that makes no sense either. I can't find a 2008...I see a 2013, which was never staked. I will make sure FCC gets things right this time. We will proceed with the test on Nov 3. Thanks much!

K

From: hoswald@howardcountymd.gov
To: ensignsgace@hotmail.com
CC: dbernard@howardcountymd.gov; Stephanie@fcc-eng.com
Subject: RE: Perc Test Result_13245 Hunt Ridge Road
Date: Wed, 21 Oct 2015 15:20:58 +0000

Hi Kate:

Attached, you will find a copy of the test plan for Hunt Ridge Road (Map 22, Grid 9, Parcel 426).

In speaking with Jeff this morning, we are going to proceed with testing 2006, 2007 and 2008 as planned and save the rest of the proposed holes for wet season since those holes are located right next to the wet season soil line or within wet season type soils. If hole 2008 passes, then we could try for more holes down gradient from it later on during wet season to increase the size of that area. As for the hole locations that we spoke about yesterday, the hole location in front of the barn is right on the wet season type soil line so that one should be placed on hold until wet season. The proposed hole on the side of the barn doesn't really provide any benefits especially if holes 2006 & 2007 do not pass.

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Respectfully,

Hank

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To: Oswald, Hank
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Subject: RE: Perc Test Result_13245 Hunt Ridge Road

Date: Tue, 20 Oct 2015 18:50:01 +0000

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Kate

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Subject: RE: Perc Test Result_13245 Hunt Ridge Road
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Subject: RE: Perc Test Result_13245 Hunt Ridge Road

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Stay safe!

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Date: Tue, 28 Jul 2015 19:59:07 +0000
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From: Oswald, Hank
Sent: Tuesday, May 26, 2015 1:51 PM
To: Stephanie Tuite (Stephanie@fcc-eng.com)
Subject: Perc Test Result_13245 Hunt Ridge Road

Stephanie:

Attached is a copy of the percolation test results for 13245 Hunt Ridge Road.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
410.313.1786