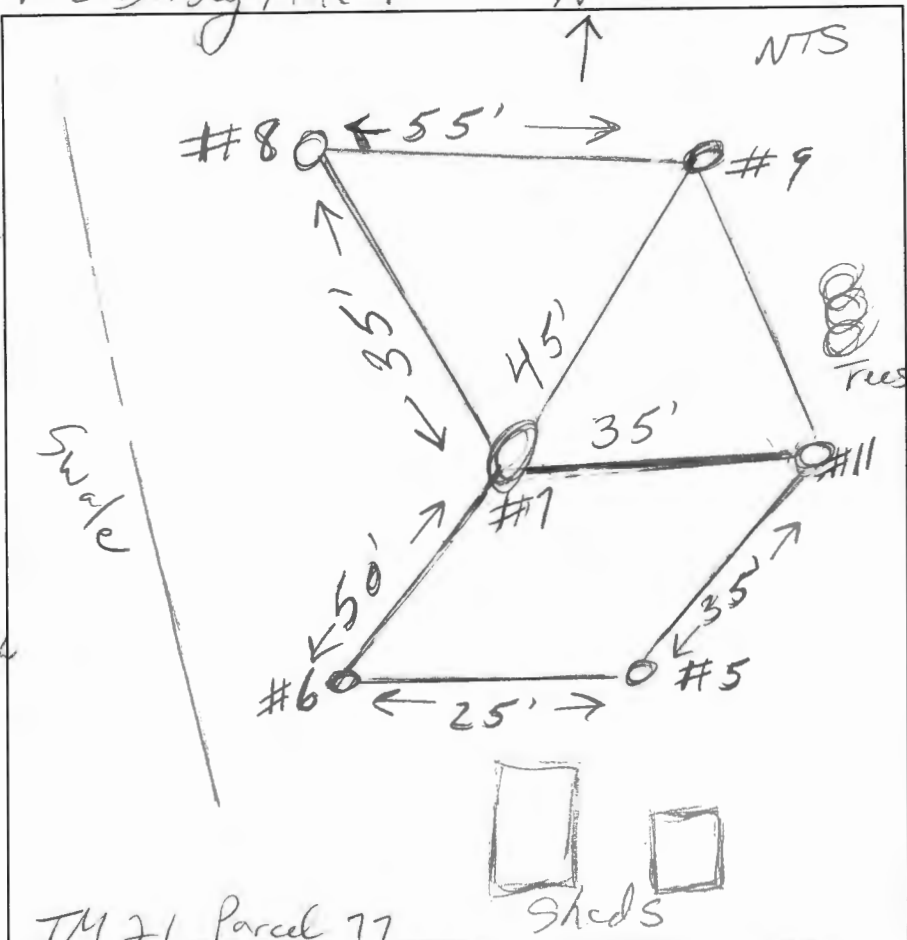


14402 Dorsey Mill Rd N

PA574130



#11
 Topsoil 0-4"
 SCL br/ten 4"-2'
 tight
 CL 2'-6'
 Tan/red
 very tight w/
 25-30% Rock & gravel
 4'-6'
 SCL 6'-7'
 Tan/red
 w/gravel &
 silt deposits
 SL Tan/red 7'-12'
 silt & gravel

#5 visual fail
 Topsoil 0-3"
 SCL 3"-1.5"
 br/ten
 CL 1.5'-5'
 Red/ten
 very tight
 SCL 5'-7.5'
 Tan/red
 SCL 7.5'-8'
 Tan/red/Purple
 w/gravel 50%
 Rock
 SL 8'-12'
 silt/P w/heavy silt
 and gravel

#6
 Visual fail
 CL to 4'
 4'-8' > 50%
 SCL Rock

#8
 0-3" Topsoil
 3'-1.5' SCL w/
 gravel br/ten
 1.5'-3' SCL
 tight br
 franche
 3-6' SL franche
 1.1 clay plty
 effective
 4' 6-11' SL
 Tan/pnk
 w/silt
 6-11'
 11-12' SL w/
 gravel Tan/P/yk

#7
 -3" Topsoil
 3-1.5' SCL br
 tight franche
 w/gravel
 1-5-3' SCL
 red/ten
 tight
 3-6' SCL
 Tan/red
 w/stone/gravel
 6-8' SCL tight
 Red/Tan plty
 8-12' SCL
 Pink/Tan/red
 silt/Pnk/gravel

#9
 0-4" Topsoil
 4"-1' SCL br
 1'-3' CL tan/red
 tight
 3-4' SCL
 yellow/red/pink
 w/gravel
 4-5' SL P/yk
 heavy silt
 5'-12' LS Tan/red
 w/silt
 deposits

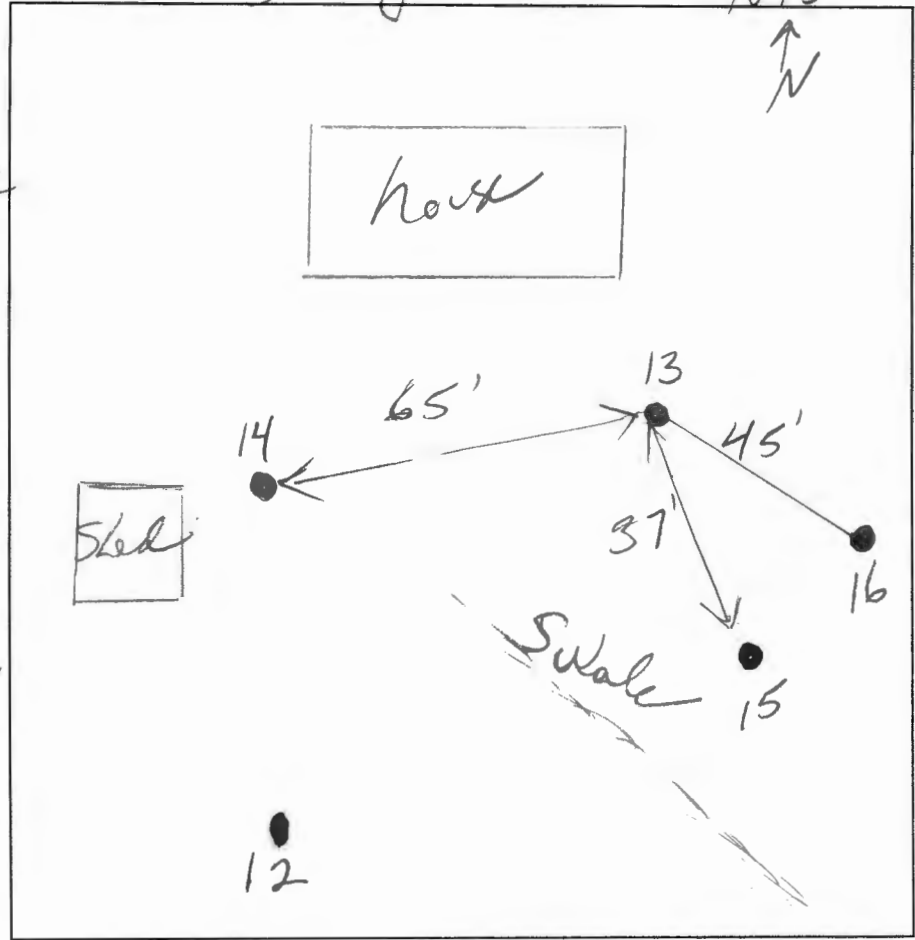
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/12/23	#8	6'	12:02	< 1 min		Repair	
7/12/23	#8	6'	12:03	12:03	12:04	1 1/2 min	P
7/12/23	#7	7'	12:44	>	30 mins		F
7/12/23	#7	8'	1:33	1:59	> 30 mins		F
7/12/23	#9	5'	1:20	1:28	1:41	13 mins	P
7/12/23	#11	7'	2:37	>	30 mins		F
7/12/23	#11	8'	3:33	3:35	3:39	4 mins	P
7/12/23	#5	Visual fail					
7/12/23	#6	Visual fail					

REMARKS Attempted to test hole #5 hole could not be dug for testing
 SANITARIAN M. Esteban, Z. Silver BACKHOE Gilmer Pink OTHERS Podulak, L.
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

14402 Dorsug Mill Rd NTS

13

AP _____



Topsoil 0-4"
 Ch Br/tan 4-18"
 Red
 Silty clay 18"-3'
 Loam
 Tan/red 3'-5'
 Silty loam
 heavy silt. Tan/
 + clay deposits Pink
 w/20-30% Rock Red
 Silty loam 5'-6'
 Red/Tan/Pink
 Sandy loam 6'-12'
 Tan/yellow w/ silt. deposits
 weathered Rock
 manganese @ 12'

16
 Topsoil 0-4"
 Loam 4"-1"
 w/ gravel
 Br/Red
 Clay loam 1'-3'
 Red/Tan
 w/ silt deposits
 Silty loam 3'-5'
 w/ manganese
 tight but friable
 weathered Rock
 LS 5'-12'
 heavy mica
 shale 30-40%
 yellow/tan

15
 Topsoil 0-4"
 Clay loam 4"-18"
 w/ quartz
 S&B 10-20% friable
 Clay loam 18"-4'
 very tight
 30-40% Rock
 Tan/red
 Silty loam 4'-5'
 w/ clay deposits
 Pink/yellow platy
 Sand silt 5'-12'
 Loam
 Tan/Pink/yellow
 20-30% Rock

14
 0-3" Topsoil
 3"-1' CL w/ gravel
 Br/tan
 1'-2' Clay
 Tan/red
 tight blocky
 2'-4' Silty clay
 Red/tan
 4'-5' Silt clay
 Loam
 30-40% Rock
 Shale/mica
 5'-12' Silt loam
 some
 Sand fragments
 weathered Pink/tan/yellow
 Rock @ 12'

12
 0-5" Topsoil
 5"-18" Clay loam
 Tan/Br
 heavy angular
 18"-4' Clay
 Tan/yellow
 tight blocky
 4'-6' Clay loam
 Pink/tan tight
 angular
 w/ silt +
 some sand
 6-8' Sandy silt
 loam
 Tan/Pink
 friable
 8'-9' Silt weathered
 Rock

8'-12' LS
 with silt
 deposits
 Tan/red/yellow

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/31/24	14	4'	10:02	7	30 mins		F
1/31/24	14	6'	10:29	10:37	10:52	15 mins	P
1/31/24	12	7'	11:44	11:48	11:57	9 mins	P
1/31/24	13	6'	12:37	12:39	12:45	6 mins	P
1/31/24	15	6'	1:30	1:33	1:41	8 mins	P
1/31/24	16	6'	2:17	2:19	2:23	4 mins	P

REMARKS Due to limited area failed perc tests, testing was expanded for a possible split SDA
 SANITARIAN M. Eshenbaugh BACKHOE Homeowner OTHERS P. Podalak, Z. Silvest
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Eshenbaugh, Melanie

From: Eshenbaugh, Melanie
Sent: Wednesday, November 22, 2023 4:42 PM
To: pete@lapodolak.com
Cc: Silvast, Zackary
Subject: 14402 Dorsey Mill Rd

Good afternoon Mr. Podolak,

After review of the perc certification plan submission we have the following comments in response to the proposed areas and replacement systems;

- In comparing the perc locations shown on the PC to the previous percolation record for the property, they appear to be shown incorrectly
- Due to the lack of soil information on the previous perc test record, the trench proposed for replacement #1 would need an additional 1-2 holes to consider this area
- In order to establish a split SDA, an additional 2-3 proposed perc holes would be necessary
- The test hole dug near the existing system would need to be staked in order to utilize this observation for the PC
- Area shown for replacement system #2 would need an additional test hole 40' equidistant from perc holes 8 & 9
- If the existing drywell is to be retained, it would need to be pumped and filled with stone and an inlet depth at 2-3'
- The comment notes for the proposed systems should be removed and these specific details would be included on an OSDS plan
- In reference to the 2nd replacement system, any trench less than 30ft in length would require a BAT & LPD, and the specs would be based on a .8 rate (LR) with 3' of sidewall credit and a max bottom depth at 8 ft.

Please let us know if you have any questions and we will await your next submission. Hope you have a nice holiday weekend.

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
www.hchealth.org



CONFIDENTIALITY NOTICE

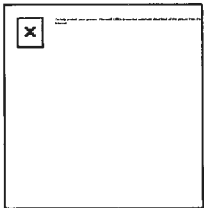
This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

Eshenbaugh, Melanie

From: LAP Drawings <drawings@lapodolak.com>
Sent: Wednesday, June 14, 2023 3:54 PM
To: Silvast, Zackary
Cc: gilmer@clarksvilleconstruction.net; Eshenbaugh, Melanie; Peter Podolak; C Lg; Buck Aldridge
Subject: Re: regarding 14402 Dorsey Mill Road perc plan revision comments
Attachments: HC PERC CERTIFICATION PLAN - #14402 Dorsey Mill Rd., Ellicott City, MD (CHOSCO) 6-14-2023.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

...attached is the updated plan for continued review. Three hardcopies are being mailed today (Wed., June 14th) to the Howard County Environmental Health Department.



LEON A. PODOLAK and ASSOCIATES, LLC SURVEYING and CIVIL ENGINEERING

Address - 147 E. Main St., Westminster, MD 21157
P.O. Box - P.O. Box 266, Westminster, MD 21158
Phone - (410) 848-2229 (410) 876-1226
FAX - (410) 848-2258
email - drawings@lapodolak.com

On Wed, Jun 7, 2023 at 5:21 PM Silvast, Zackary <zsilvast@howardcountymd.gov> wrote:

To Whom It May Concern,

Your engineered perc app plan has been thoroughly reviewed and the following revision comments need to be addressed in order to schedule testing. Please see below.

1. **Need to label the well properly, provide tag number or write "no tag" if applicable.**
 - a. **Need to clarify what type of well it is. (i.e. drilled, pit, driven, dug, jet)**

2. Need to propose two alternative well sites or a 1500 sq. foot well box.
 - a. Need to show all 100' well arcs.
3. A drywell is not abandoned if it is acting as a distribution box. May need to be upgraded.
4. Is the tank concrete or metal?
5. Are the property owners trying to keep their existing septic system or are they willing to abandon it. Need to clarify and label accordingly.
6. Is the shed permanent or non-permanent? Label correctly.
7. Need 5 perc holes, four to set the boundaries and one middle hole.
 - a. They should be spaced roughly 60' apart.
- ~~8.~~ Need to show the septic and structures on neighboring lots 1 & 12. Shed on 14402
9. Need to label proposed and existing SDAs.
 - a. Should be different in legend.
 - b. Need to list exact square footage on plot plan.
10. Need to extend the contours outward beyond the property boundaries.
11. Need to show 9757 & 9753 Gingerwood Drive well and septic on the back of those properties (whichever is applicable) *Should be 3930 + 3920*
12. Note 6 should say "sewage disposal area."
 - a. Fix in legend also.
13. Note 8 needs to be revised. Also why?
 - a. Purpose statement should be in its own box below the general notes labeled properly.
14. Need to put distance between shed and SDA.
- ~~15.~~ Need to add a note stating that an approved OSDS plan will be required prior to building permit issuance.

We look forward to your resubmittal and a future scheduled perc. Once the perc plan has been approved all perc location will need to be staked prior to testing. Thank you.

- ZS

Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

410-313-1777

Silvast, Zackary

From: Silvast, Zackary
Sent: Wednesday, June 7, 2023 5:22 PM
To: gilmer@clarksvilleconstruction.net
Cc: drawings@lapodolak.com; Eshenbaugh, Melanie
Subject: regarding 14402 Dorsey Mill Road perc plan revision comments

To Whom It May Concern,

Your engineered perc app plan has been thoroughly reviewed and the following revision comments need to be addressed in order to schedule testing. Please see below.

1. **Need to label the well properly, provide tag number or write "no tag" if applicable.**
 - a. **Need to clarify what type of well it is. (i.e. drilled, pit, driven, dug, jet)**
2. **Need to propose two alternative well sites or a 1500 sq. foot well box.**
 - a. **Need to show all 100' well arcs.**
3. **A drywell is not abandoned if it is acting as a distribution box. May need to be upgraded.**
4. **Is the tank concrete or metal?**
5. **Are the property owners trying to keep their existing septic system or are they willing to abandon it. Need to clarify and label accordingly.**
6. **Is the shed permanent or non-permanent? Label correctly.**
7. **Need 5 perc holes, four to set the boundaries and one middle hole.**
 - a. **They should be spaced roughly 60' apart.**
8. **Need to show the septic and structures on neighboring lots 1 & 12.**
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 - a. **Fix in legend also.**
13. **Note 8 needs to be revised. Also why?**
 - a. **Purpose statement should be in its own box below the general notes labeled properly.**
14. **Need to put distance between shed and SDA.**
15. **Need to add a note stating that an approved OSDS plan will be required prior to building permit issuance.**

We look forward to your resubmittal and a future scheduled perc. Once the perc plan has been approved all perc location will need to be staked prior to testing. Thank you.

- ZS

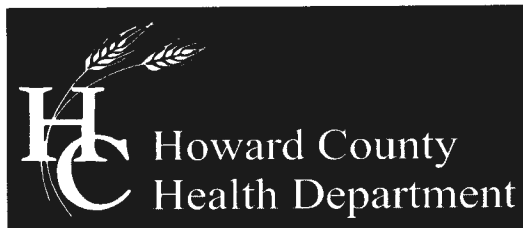
Zack Silvast (LEHS)

Plan Review Supervisor - Water & Sewer Division

410-313-1777

Environmental Health Bureau

Howard County Health Department



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

Date: July 19, 2023; Finalized 7/28/23

To: Leon Podolak

Re: ***Percolation Test Report***
14402 Dorsey Mill Road
Glenwood, MD 21738

Percolation tests were conducted at 14402 Dorsey Mill Road (Tax Map 0021, Parcel 77) on July 12th, 2023. The purpose of conducting percolation tests was to establish a Sewage Disposal Area (SDA) for the existing lot. Tests and profile descriptions were documented for staked locations 5, 6, 7, 8, 9 and "11" was an added test hole while out in the field. Test hole 8 was repoured due to having a less than a minute percolation on the first attempt; but was then able to achieve a PASSING/acceptable rate while measuring the 2nd timed event. Perc holes 7 & 11 were reshelled at an 8' depth due to a failed rate at 7'. Hole 7 FAILED at both depths, and Hole 11 was able to pass at the lower depth. Middle perc hole 7 FAILED due to a rate exceeding 30 mpi; and holes 5 & 6 were recorded as visual FAILS due to a soil profile that consisted of predominantly clay/silt & rock content within the upper 8' of the perc hole. Hole 9 had good-looking soil and was labeled as a PASS. All holes were dug to a 12' depth to clear water table and perc testing was carried out at test depths that ranged from 5 to 8 feet. The upper five feet of the soil layers encountered were generally restrictive, and there was silt present in the lower soil horizon depths. The soil unit encountered was Glenelg loam (GgB & GgC) with a range of 3-15% slopes. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

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. Locations that may be included in the sewage disposal area are represented by test pits having satisfactory soil conditions. The SDA must be large enough to accommodate 3 systems (initial and 2 replacements). There is no guarantee that a suitable SDA can be established for the property based on 3 passing perc holes alone. It will be up to the engineer to propose a suitable test plan taking into consideration the proximity of the failed holes. It is highly possible that more perc testing may be required for this property. It will also be the responsibility of the homeowner to either supply a septic contractor to conduct the next round of testing or

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-7324 or by email Meshenbaugh@howardcountymd.gov

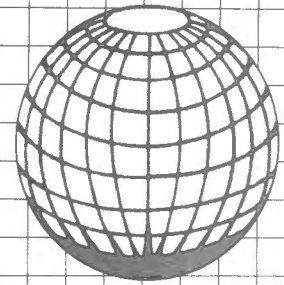
Respectfully,

Melanie Eshenbaugh

Melanie Eshenbaugh
Bureau of Environmental Health
Well & Septic Program

LEON A. PODOLAK AND ASSOCIATES, L.L.C.
SURVEYING AND CIVIL ENGINEERING

147 EAST MAIN STREET, P.O. BOX 266
WESTMINSTER, MARYLAND 21157
TELEPHONES: 410-848-2229 410-876-1226



November 6, 2023

Melanie Eshenbaugh
Bureau of Environmental Health
Well and Septic Program
8930 Stanford Blvd.
Columbia, MD. 21045

RE: Lot #2 of Robert H. Dill Property
14402 Dorsey Mill Road
Glenwood, MD. 21738

Dear Melanie,

Attached please find three copies of the Percolation Certification Plan. The plan has been revised in accordance with your comments. The following is a point by point response to your comment letter dated July 19, 2023.

Based on observation holes excavated near and adjacent to the existing, deep trench sewage disposal system, that currently is functioning well, this area of the subject property appears to contain the soils that are best suited for a sewage disposal system. Accordingly, a replacement sewage disposal system, consisting of an 80 foot long deep trench system, 3 foot wide and with a depth of stone of 4 feet is proposed adjacent to completed percolation tests 2 and 3.

Based on percolation tests, conducted on July 12, 2023, a second replacement system, consisting of a modified tile field system was configured around the approved tests. This system will consist of seven modified tile field drain lines, each 3 foot wide and each 27 feet long. The modified tile field drain line will contain stone to a depth from 2 feet to 7 or 8 feet depending of the proximity of the percolation tests.

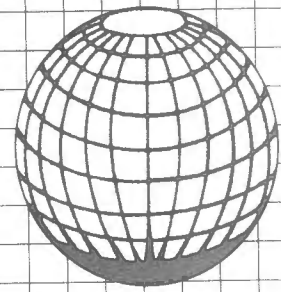
Please review the attached plans and contact me with your comments and concerns. Your courtesy and cooperation in this regard are greatly appreciated.

Very truly yours,

Peter L. Podolak, PE

LEÓN A. PODOLAK AND ASSOCIATES, L.L.C.
SURVEYING AND CIVIL ENGINEERING

147 EAST MAIN STREET, P.O. BOX 266
WESTMINSTER, MARYLAND 21157
TELEPHONES: 410-848-2229 410-876-1226



May 21, 2024

Melanie Eshenbaugh
Howard County Health Department
Well and Septic Division
8390 Stanford Blvd.
Columbia, MD. 21045

RE: 14402 Dorsey Mill Road

Dear Ms. Eshenbaugh,

Attached please find a copy of the revised Percolation Certification Plan for the above referenced property. Thank you for your review and comment. The following is a point by point response to your email, dated April 25, 2024.

Comment #1: General Note #8 has been removed from the plan.

Comment #2: The portion of the note regarding the existing system, beginning with "Howard County Health Dept evaluated this system in the field....Health Dept. files" has been removed.

Comment #3: The 2,200 square foot septic area for the second replacement system has been revised so that it will not extend past the 552 foot contour.

Comment #4: To eliminate the need for a LPD disposal system, this 2,200 square foot sewage disposal area has been extended 5 foot toward the neighboring property. Based on your correspondence, the Health Department has decided to grant a general waiver to reduce the minimum setback from the property boundary line to 5 feet, in lieu of the 10 foot required in the Executive Regulations. Also based on your correspondence this variance has been extended for both septic disposal areas. A note has been added to the plan depicting this waiver.

Comment #5: The elevation of each percolation test location is now provided on the plan.

Please review the attached documents and contact me with your comments and concerns. Your courtesy and cooperation in this regard would be greatly appreciated;

Very truly yours,

A handwritten signature in black ink, appearing to read "Peter L. Podolak". The signature is written in a cursive style with a large, prominent initial "P".

Peter L. Podolak, PE

Comment #5: The elevation of each percolation test location is now provided on the plan.

Please review the attached documents and contact me with your comments and concerns. Your courtesy and cooperation in this regard would be greatly appreciated;

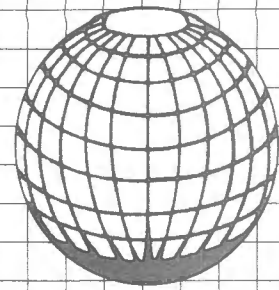
Very truly yours,

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Peter L. Podolak, PE

LEON A. PODOLAK AND ASSOCIATES, L.L.C.
SURVEYING AND CIVIL ENGINEERING

147 EAST MAIN STREET, P.O. BOX 266
WESTMINSTER, MARYLAND 21157
TELEPHONES: 410-848-2229 410-876-1226



April 5, 2024

Melanie Eshenbaugh
Howard County Health Dept.
Wells and Septic Division
8930 Stamford Blvd.
Columbia, MD. 21045

RE: Percolation Certification Plan
Lot #2 Robert H. Dill Property

Dear Melanie,

Attached please find three copies of the Percolation Certification Plan for the above referenced project. The following is a point by point response to your comment letter, emailed on March 28, 2024.

Comment #1: The Sewage Disposal Area has been reconfigured so that it does not extend beyond Perc Test #15.

Comment #2: General Note #9 has been removed from the Plan since an On-Site Sewage Disposal Plan will not be required for the proposed deck and patio building permit.

Comment #3: The legend on the Plan has been updated to indicate a symbol for the failed percolation tests.

Comment #4: The original percolation tests, numbered 1 thru 4, have been updated in the Legend to reference the date when these tests were conducted.

Comment #5: The MDE statement regarding the fact that the lot was created prior to 1972 has been moved from the legend to General Note #9.

Comment #6: The wells and septic systems have been shown for 14408 Dorsey Mill Road, and labeled appropriately.

Comment #7: The sewage disposal system for 14376 Dorsey Mill Road has been accurately depicted on the plan, and the two replacement wells have been located so that they will not interfere with this septic system.

Comment #8: The sewage disposal systems for both 3920 and 3938 Sharp Road are depicted on the Plan.

Comment #9: The proposed screened porch and deck have been shaded to indicate that this is proposed construction.

Comment #10: The circle around the failed percolations tests has been removed.

Comment #11: The Purpose Note on the Plan has been updated to include the fact that we are seeking a building permit for a proposed deck and patio.

Comment #12: The Sewage Disposal Area has been cross hatched, and rather than depicting a well box, we are showing two replacement wells.

Comment #13: We were able to depict the wells and septic systems of the adjoining properties without having to change the drawing scale.

Please review the attached Plan and contact me with your comments and concerns. Your courtesy and cooperation in this matter are greatly appreciated.

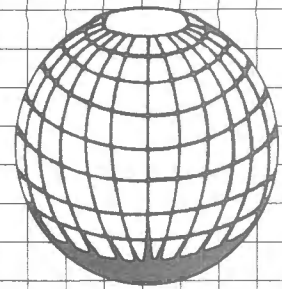
Very truly yours,

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Peter L. Podolak, PE

LEON A. PODOLAK AND ASSOCIATES, L.L.C.
SURVEYING AND CIVIL ENGINEERING

147 EAST MAIN STREET, P.O. BOX 266
WESTMINSTER, MARYLAND 21157
TELEPHONES: 410-848-2229 410-876-1226



April 5, 2024

Melanie Eshenbaugh
Howard County Health Dept.
Wells and Septic Division
8930 Stamford Blvd.
Columbia, MD. 21045

RE: Percolation Certification Plan
Lot #2 Robert H. Dill Property

Dear Melanie,

Attached please find three copies of the Percolation Certification Plan for the above referenced project. The following is a point by point response to your comment letter, emailed on March 28, 2024.

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Comment #13: We were able to depict the wells and septic systems of the adjoining properties without having to change the drawing scale.

Please review the attached Plan and contact me with your comments and concerns. Your courtesy and cooperation in this matter are greatly appreciated.

Very truly yours,

A handwritten signature in black ink, appearing to read "Peter L. Podolak".

Peter L. Podolak, PE

PERCOLATION TEST RESULTS

14402 Dorsey Mill Rd. N

PERCOLATION TEST RESULTS TABLE:

DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP	TIME OF 2ND INCH	PI/FH
7/12/23	#8	6'	12:02	<	12:04	12 min	P
7/12/23	#7	7'	12:04	>	12:04	30 mins	F
7/12/23	#7	8'	11:33	1:55	7:30	mins	F
7/12/23	#9	5'	1:20	1:28	1:41	13 min	P
7/12/23	#11	7'	2:37	>	3:00	mins	F
7/12/23	#5	5'	Visual	fail			
7/12/23	#6	5'	Visual	fail			

REMARKS: Attempted to test hole #5 hole could not be dug for testing. SANITARIAN M. GILMER, L. S. BACKHOE, GILMER P. PINTO, PODOLAK, L. TEST HOLES USED IN SOIL. AVG. PERC TIME: SQ. FT. FB. TRENCH WIDTH: INLET DEPTH: MAX. BOT DEPTH: EFFECTIVE SW.



VICINITY MAP
Scale 1" = 2000'
HOWARD COUNTY ADC MAP: 9 GRID: D-10
COPYRIGHT ADC THE MAP PEOPLE PERMITTED USE NUMBER 21096444

- GENERAL NOTES:**
- Zoning: RR-DEO (RURAL RESIDENTIAL - DENSITY EXCHANGE OPTION)
 - Current Title Reference:
TAX MAP: 21 GRID: 17 p/o PARCEL: 77 TAX ACCT. NO.: 04-313291
Gilmer Chosco Pinto (32% ownership interest)
AC Construction, LLC (68% ownership interest)
DEED: W.A.R. 21493-433
PLAT - Lot #2 'Robert H. Dill Property' - Plat R.H.M. 6-93 1.023 ACRES=
(NOTE: ...lot created by recordation of this plat in 1955)
 - The topography of this plat is taken from Howard County GIS data and is verified to accurately represent the relative changes on the subject property.
 - Water: PRIVATE Sewer: PRIVATE
 - Soil types shown hereon were taken from the National Resources Conservation Service Web Soil Survey 2.0, National Cooperative Soil Survey, Howard County, Maryland (MD013), Soil Maps Version 17, Sept. 14, 2022. (<http://websoilsurvey.nrcs.usda.gov>)
 - Any changes to a private sewage disposal area shall require a revised percolation certification plan.
 - All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown.
 - The lot shown herein comply with the minimum ownership width and lot area as required by the Maryland Department of Environment.
 - An approved OSDS plan will be required prior to building permit issuance.

The purpose of this plan is to establish a sewage disposal area (S.D.A.) for future replacement systems as-needed.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

PERCOLATION CERTIFICATION PLAN for LOT #2 'ROBERT H. DILL PROPERTY'
(RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN PLAT: R.H.M. 6-93)

#14402 DORSEY MILL ROAD 4-TH ELECTION DISTRICT
NEAR GLENWOOD HOWARD COUNTY, MARYLAND

PROPERTY OWNERS
GILMER CHOSCO PINTO
AC QUALITY CONSTRUCTION, LLC
#14402 DORSEY MILL ROAD
GLENWOOD, MARYLAND 21738

APPLICANT
GILMER CHOSCO PINTO
#14402 DORSEY MILL ROAD
GLENWOOD, MARYLAND 21738
PHONE: (443) 388-3116

REPAIR PERMIT# P-30808 ORIGINAL PERMIT# P-01487 A-01305
#14402 DORSEY MILL ROAD LOT #2 'ROBERT H. DILL PROPERTY' HOWARD CO. TAX MAP: 21 GRID: 17 p/o PARCEL: 77 TAX ACCT. NO.: 04-313291

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SHEET
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OF
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SURVEYING and CIVIL ENGINEERING
147 East Main St. (P.O. Box 286) Westminster, Maryland 21157
(410) 848-2229 - (410) 876-1226

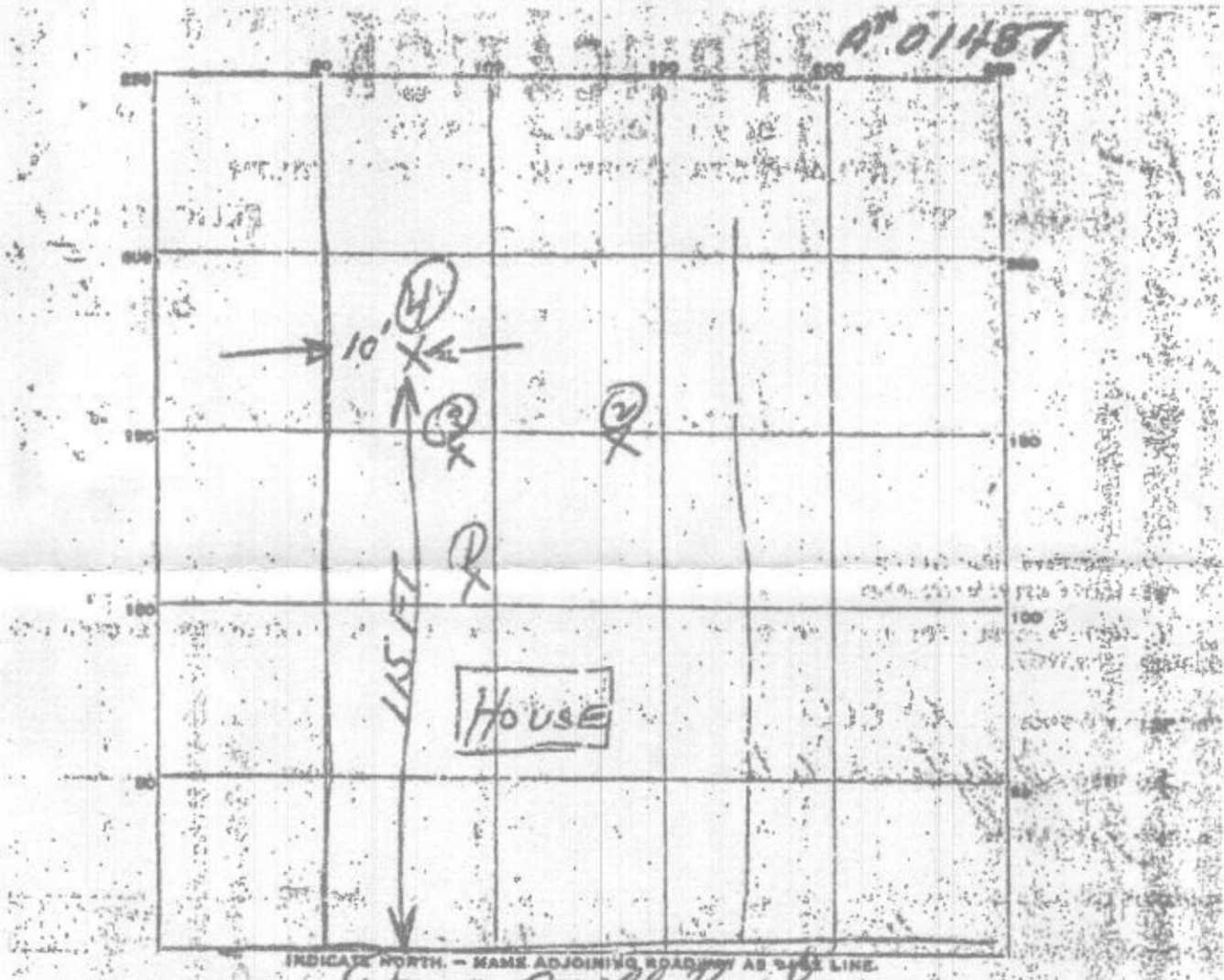
Leon A. Podolak
Peter L. Podolak, P.E. Date

I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer under the laws of the State of Maryland, license no. 19561, expiration date 3-3-2022.

Date: May 10, 2023
Revision: HEALTH DEPT COMMENTS PERC TEST RESULTS and REPLACEMENT SYSTEM LAYOUT
Scale: 1"=40'
Drawing No.

I hereby certify that the information shown hereon is based on fieldwork performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

Leon A. Podolak
PETER L. PODOLAK, P.E. Reg.no. 19561



DATE	TEST NO.	DEPTH	PRE-TEST START	PRE-TEST STOP	TEST 1' DROP START	TEST 1' DROP STOP	TIME
7-28-23	1	4 FT.	10:38	11:04	11:04	11:50	22 min
	2	10 FT.	10:50	11:19	11:19	11:50	22 min
	3	10 FT.	11:38	11:41	11:41	11:48	7 min
	4	10 FT.	11:38	11:41	11:41	11:48	7 min

HOWARD COUNTY HEALTH DEPARTMENT - REPAIR PERMIT# P-49139
DAVID A. SCHLANGER
SARA L. SCHLANGER, T/E
DEED: M.D.R. 12442/230
PLAT: LOT #4 - SECTION THREE 'ROBERT H. DILL PROPERTY'
HOWARD COUNTY PLAT BOOK 9-8
#3920 SHARP ROAD

HOWARD COUNTY HEALTH DEPARTMENT - REPAIR PERMIT# P-46513
LUTHER R. CLEMENT, TRUSTEE
ADA CLEMENT et al, TRUSTEES
DEED: M.D.R. 6438/582
PLAT: LOT #5 - SECTION TWO 'ROBERT H. DILL PROPERTY'
HOWARD COUNTY PLAT BOOK 7-26
#3930 SHARP ROAD

HOWARD COUNTY HEALTH DEPARTMENT - REPAIR PERMIT# P-529505
JAMES E. ROMERO
DEED: W.A.R. 15390/1
PLAT: LOT #11 - RESUBDIVISION OF LOT 6 - SECTION FOUR - 'ROBERT H. DILL PROPERTY'
HOWARD COUNTY PLAT BOOK 27-87
#3938 SHARP ROAD

****NOTE: EXISTING 80" DEEP TRENCH LINE PER HOWARD COUNTY HEALTH DEPARTMENT REPAIR PERMIT# P-30808. (APPROXIMATE LOCATION) ORIGINAL DRYWELL INSTALLED IN 1959 (PERMIT #P-01487) BEING USED AS DISTRIBUTION BOX. HOWARD COUNTY HEALTH DEPARTMENT EVALUATED THIS SYSTEM IN THE FIELD ON 7-12-2023. NO EXISTING S.D.A. INFORMATION FROM PUBLICLY AVAILABLE HEALTH DEPARTMENT FILES.**

FIRST REPLACEMENT SYSTEM
TO CONSIST OF ONE (1) 80" DEEP TRENCH DRAIN LINE, 3FT. WIDE WITH A 4FT DEPTH OF STONE BELOW THE DRAIN PIPE. AS PART OF THE REPLACEMENT SYSTEM THE EXISTING SEPTIC TANK SHALL BE PROPERLY ABANDONED UNDER THE SUPERVISION OF THE HEALTH DEPARTMENT AND REPLACED AT THE LOCATION DEPICTED HEREON.

SECOND REPLACEMENT SYSTEM
TO CONSIST OF SEVEN (7) 27" L.F. MODIFIED TILE FIELD DRAIN LINES, EACH 3FT. WIDE WITH A 4FT DEPTH OF STONE BELOW THE DRAIN PIPE. BOTTOM OF STONE ELEVATION SHALL BE 6FT. BELOW EXISTING GROUND.

#14408 DORSEY MILL ROAD
NO EXISTING S.D.A. INFORMATION FROM PUBLICLY AVAILABLE HEALTH DEPARTMENT FILES.

PLAN VIEW
SCALE: 1"=40'

SYMBOLS LEGEND

- 1 thru 4 INDICATES EXISTING PERCOLATION TEST LOCATION (APPROXIMATE LOCATION)
- 5 thru 9 INDICATES PERCOLATION TEST LOCATION (SEE RESULTS ON THIS SHEET)
- EX. WELL INDICATES EXISTING DRILLED WELL LOCATION
- REPLACEMENT WELL BOX INDICATES 1,500 SQUARE FEET REPLACEMENT WELL BOX
- 558 INDICATES EXISTING GROUND CONTOUR LINE (HOWARD COUNTY GIS - 2011 CONTOURS)
- 558 INDICATES PROPOSED GRADING CONTOUR LINE
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA (S.D.A.) AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR LOTS CREATED PRIOR TO MARCH OF 1972 IF PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.
- INDICATES EXISTING RECORDED PRIVATE SEWAGE EASEMENT (S.D.A.)
- GgC INDICATES SOILS TYPE BOUNDARY LINE (SEE GENERAL NOTE #5 AND SOILS TYPE DATA CHART)

Map Unit Symbol	Map Unit Name
GgB	Glenelig loam 3 to 8 percent slopes
GgC	Glenelig loam 8 to 15 percent slopes

\\lab\files\chocoso\#14402 Dorsey Mill Rd., Glenwood, MD\#14402 PERC CERTIFICATION PLAN.rvt - #14402 Dorsey Mill Rd., Glenwood, MD (CHOSCO) 10-31-2023.dwg