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

February 23, 2021

To: D.R.S. & Associates, Cary Cumberland (Owner)

Re: Percolation Test Report

Percolation tests were conducted at 1939 Route 32 in Sykesville (Tax Map 9, Grid 23, Parcel 299, Lot 3B) on February 19, 2021. Tests and/or 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 at least 10,000 square feet and 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 disposal 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

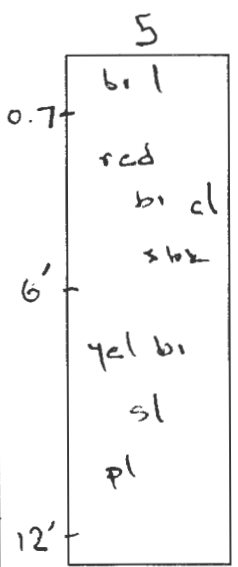
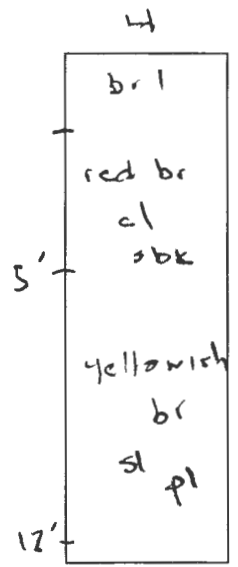
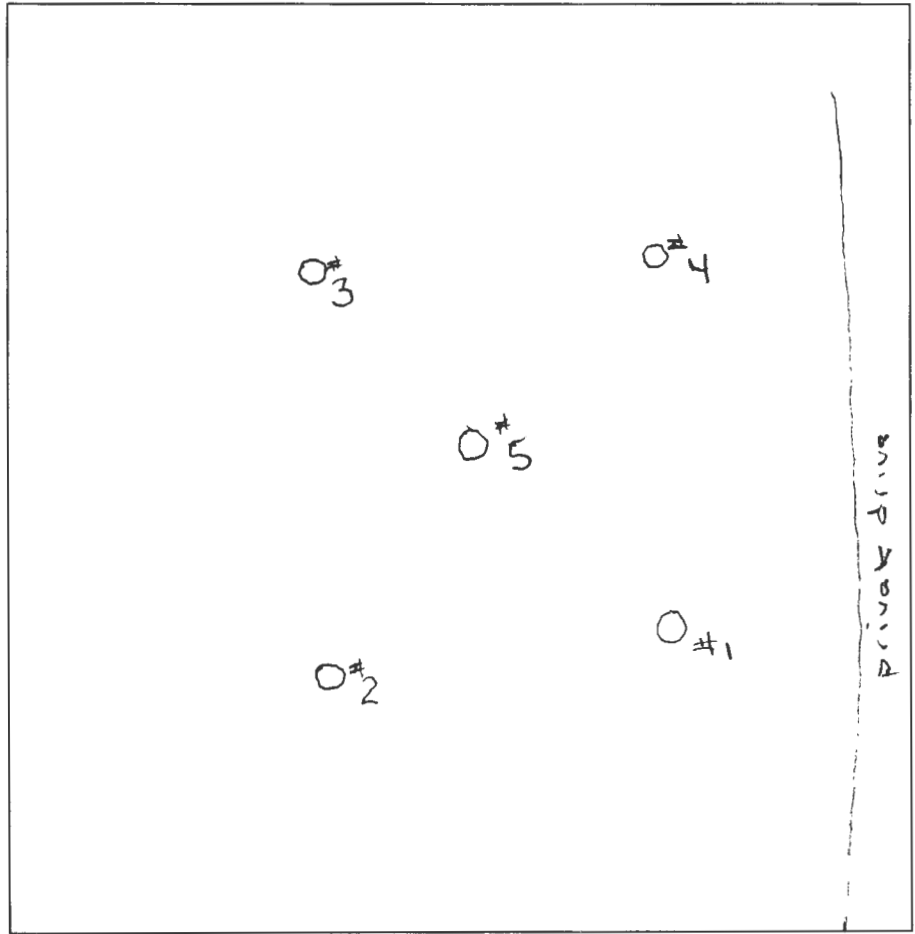
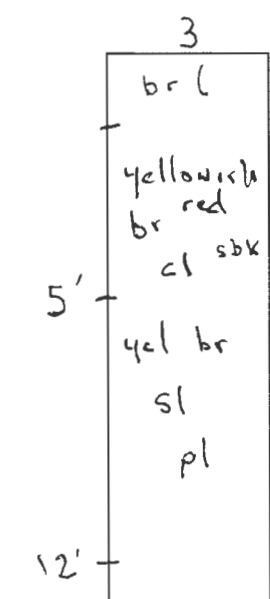
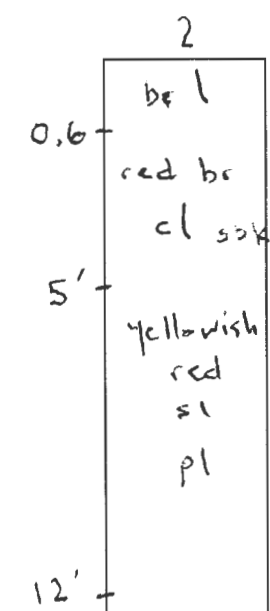
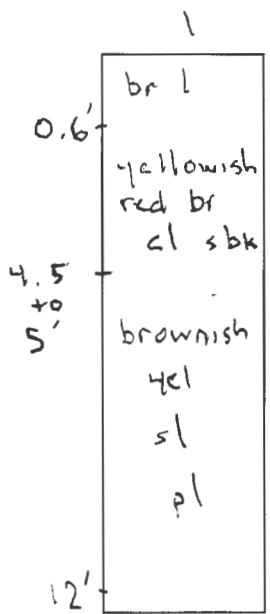
Respectfully,

Hank Oswald

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

Attachment: Percolation Test Field Notes & Septic Specs

AVP _____



Route 32

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2.19.21	1	5.4/12	10:40	10:43	10:49	6	P
2.19.21	2	6'/12'	11:22	11:29	11:44	15	P
2.19.21	3	6'/12'	11:41	11:50	12:07	17	P
2.19.21	4	5.5/12'	11:54	12:03	12:20	17	P
2.19.21	5	6.6/12'	12:23	12:33	12:48	15	P

REMARKS Wooded lot
 LEHS H. Oswald BACKHOE Sams Creek OTHERS Cary Cumberland
 SANITARIAN _____ TEST HOLES USED IN SDA 1, 2, 3, 4, 5 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____
 Mac / Gyg B Map 9 G. 23 P. 299 Lot 3B

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, February 23, 2021 8:18 AM
To: cary@vikingcustomhomes.com
Cc: 'drs@ramss.com'
Subject: RE: Perk tomorrow
Attachments: Perc Test Results_1939 Route 32_2.23.21.pdf

Hi Cary:

Attached, please find perc test results for 1939 Route 32 (M.9, G. 23, P. 299, Lot 3B).

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

Respectfully,

Hank

From: cary@vikingcustomhomes.com <cary@vikingcustomhomes.com>
Sent: Monday, February 22, 2021 10:37 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: Perk tomorrow

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

Hi Hank

I wanted to see if you could send me a copy of the perk notes from the other day so I can send up to the engineer, he will then locate the holes to put on a plan. I think you numbered them on your sketch starting at the bottom and working up the way we perked them in order 1-5 right.

Thank you,
Cary!

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Friday, February 19, 2021 9:04 AM
To: cary@vikingcustomhomes.com
Subject: Re: Perk tomorrow

Thanks. Will do.

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: cary@vikingcustomhomes.com <cary@vikingcustomhomes.com>
Sent: Friday, February 19, 2021 8:46:44 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>; 'Sams Creek' <sams.creek@aol.com>
Subject: RE: Perk tomorrow

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

Hi Hank,

I have found it's best to park in the park and ride across the street from the lot and just walk over into the woods as there is no entrance or driveway.

Thanks
Cary!

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Thursday, February 18, 2021 3:26 PM
To: Sams Creek <sams.creek@aol.com>; cary@vikingcustomhomes.com
Subject: Re: Perk tomorrow

Hi All,

Let's plan on keeping tomorrow's perc. I will be onsite around 10. Please confirm.

Thanks,

Hank

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Sams Creek <sams.creek@aol.com>
Sent: Thursday, February 18, 2021 11:14:01 AM
To: cary@vikingcustomhomes.com <cary@vikingcustomhomes.com>
Cc: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Re: Perk tomorrow

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

Hi all-

We can not do Monday or Tuesday of next week. Does another day work for you all?

Thanks,
Jessica

On Feb 18, 2021, at 11:01 AM, cary@vikingcustomhomes.com wrote:

Hi Hank,
I will have to see if Sams Creek can do it then.

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Thursday, February 18, 2021 10:10 AM

To: cary@vikingcustomhomes.com

Subject: Re: Perk tomorrow

Hi Cary:

I was getting ready to contact you. I don't want to take a chance with the weather. I would like to reschedule for Tuesday at 10. Let me know.

Thanks,

Hank

From: cary@vikingcustomhomes.com <cary@vikingcustomhomes.com>

Sent: Thursday, February 18, 2021 10:05 AM

To: Oswald, Hank <hoswald@howardcountymd.gov>

Cc: 'Sams Creek' <sams.creek@aol.com>

Subject: Perk tomorrow

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

Hi Hank,

Are we still good for the perk test tomorrow? Sams Creek is saying they are ok for it.

Thanks

Cary!

*Cary Cumberland - Owner
Viking Custom Homes 30 Years in Business
Cell 410-977-2188*

LEGEND	
Existing	Proposed
Edge of Rd	
Feature separation distance in feet	Feature separation distance in feet
Forest	
Int. Contours	Int. Contours
Lot Line	Lot Line
Right-Of-Way Line	Right-Of-Way Line
Septic Area	Septic Area
Set Back Line	Set Back Line
Soil Type	
Bit. Conc. Pav.	Bit. Conc. Pav.
	Well Area
Cable Marker	Structure
Clean Out, Sewer/Drain	Telephone Pedestal
Electric Transformer	Utility Pole
Mail Box	Utility Pole w/Guy Wire
	Well

SEPTIC TEST LEGEND	
⊙	Approved Deep Trench Perc

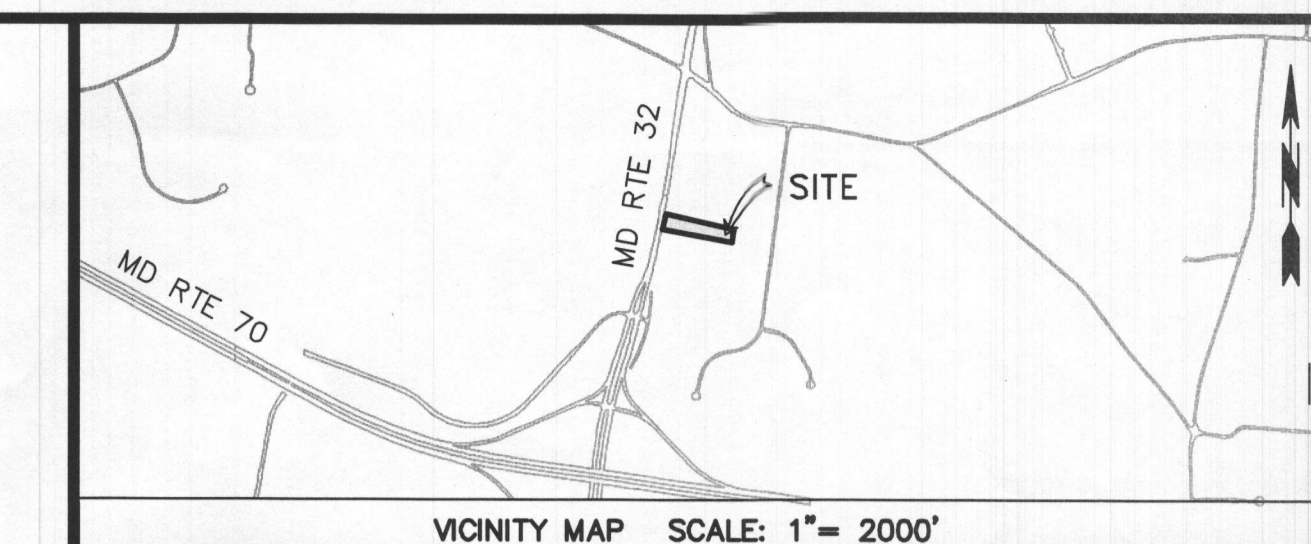
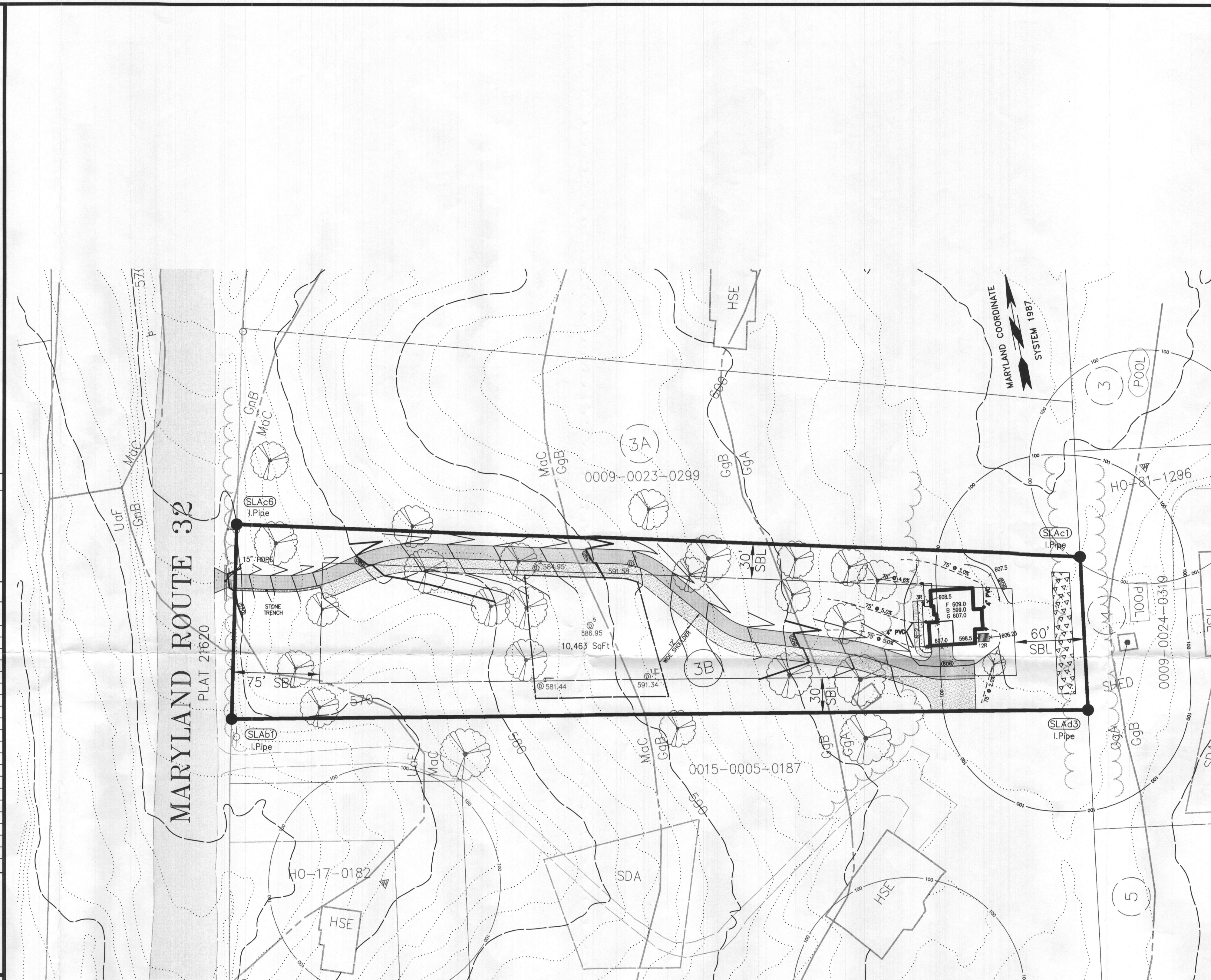
SEPTIC TEST RESULTS				
TEST ID	TEST TYPE	TEST COMMENTS	SAN	TEST DATE
1	⊙	6min@5.4', Soils ok to 12'	ho	2021-02-19
2	⊙	15min@6', Soils ok to 12'	ho	2021-02-19
3	⊙	17min@6', Soils ok to 12'	ho	2021-02-19
4	⊙	17min@5.5', Soils ok to 12'	ho	2021-02-19
5	⊙	15min@6.6', Soils ok to 12'	ho	2021-02-19

ADJOINING PROPERTY OWNER INFORMATION				
MAP-GRID-PARCEL ACCT ID PREMISE ADDRESS	OWNER NAME MAILING ADDRESS	TITLE REFERENCE		
0009-0023-0299	Slack Property	Plat 3672		
0009-0023-0299 L3A 03-296237 Route 32 Sykesville 21784	Slack John Dallas Po Box 268 Ellicott City Md 21041-0268	CLR2178 P44		
0009-0024-0319	Slack Estates	Plat 4736		
0009-0024-0319 L4 03-308219 2010 W Saint James Rd Marriottsville 21104	Roseweg Matthew T & Roseweg Madeline P 2010 Saint James Rd Marriottsville Md 21104-1435	CLR13244 P192		
0015-0005-0187 03-296210 2049 Route 32 Sykesville 21784	United States Of America 2049 Sykesville Rd Sykesville Md 21784	CLR18586 P382		

THIS IS TO CERTIFY THAT THE PERCOLATION TESTS ARE ACCURATELY SHOWN AS PERFORMED IN THE FIELD.

Daniel R. Staley 2021-02-02
DANIEL R. STALEY L.S. 10735 DATE

PROPERTY OWNER INFORMATION		
MAP-GRID-PARCEL ACCT ID PREMISE ADDRESS	OWNER NAME MAILING ADDRESS	TITLE REFERENCE
0009-0023-0299 L3B 03-304191 Route 32 Sykesville 21784	United States Of America 2049 Route 32 Sykesville Md 21784	CLR18586 P382



- GENERAL NOTES**
- Subject Property Zoned: RR-DEO.
 - Total area of property: 109743.41 sq.ft.
 - Septic easement subject to Howard County Health Department review.
 - Length of trench to be determined at time of septic permit issuance.
 - Contractor/Builder to verify elevation in the field before beginning any construction.
 - National Flood Insurance Rate: MAP 24027000550 NO 100yr Flood Plain
 - The topography shown hereon was taken from data by Howard County and based on Bare Earth LIDAR Data U.S. Feet supplemented with field run data by DRS & Associates and is verified to accurately represent the relative changes on the subject property by DRS & Associates.
 - No wetlands currently exist on the property.
 - For driveway entrance detail refer to Howard County Design Manual Volume IV Standard Detail R6.06.
 - This area designates a private sewage area as required by the Maryland Department of the Environment for individual sewage disposal. For lots created prior to March of 1972 it 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 the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
 - The lot shown hereon complies with the minimum ownership width and lot area as required by the Maryland State Department of the Environment.
 - Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information. None
 - All house sites shown comply with minimum building restriction regulations.
 - 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. None
 - Any changes to a private sewage easement shall require a Revised Percolation Certification Plan.
 - The well must pass potability tests and receive an I.C.O.P. certificate prior to Use & Occupancy.
 - Well must be drilled and completion report approved prior to Health Department approval of the building permit.
 - OSDS Plan showing 3 systems at proposed # of bedrooms must be submitted and approved prior the Health Department approval of the building permit.

Slack Property				
Name	North	East	Bearing	Distance
SLAb1	600643.50285	1326454.68853	N 12°28'18"E	167.69733
SLAc6	600807.24305	1326490.90373	S 76°53'22"E	728.04557
SLAc1	600642.10069	1327199.97239	S 75°9'22"W	131.93876
SLAd3	600511.44255	1327181.63427	N 79°42'13"W	738.84372
SLAb1	600643.50285	1326454.68853		
Total Area		109743.41 sf		2.51936 acres +/-

APPROVED: FOR PRIVATE WATER AND SEWER SYSTEMS

Health Officer 4/13/21
HEALTH OFFICER, HOWARD COUNTY HEALTH Dept. DATE

PURPOSE NOTE

Establish a sewerage disposal area (SDA), Build a new residential dwelling.

PERC CERTIFICATION PLAN
Slack Property

OWNER: United States of America, 2049 Route 32, Sykesville MD 21784
DEVELOPER: Viking Custom Homes, 815 Windriver Dr, Sykesville MD 21784, 410-977-2188

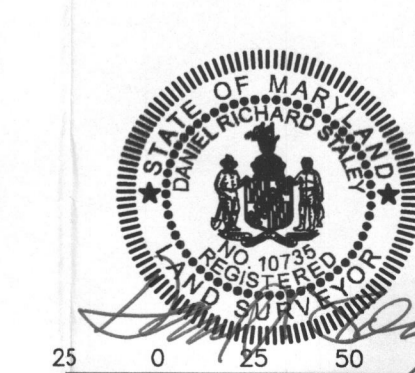
MAP 09 BLOCK 23 PARCEL 299
ZONED RR-DEO
3RD ELECTION DISTRICT ROUTE 32 HOWARD COUNTY, MARYLAND

REV.No.	DATE	BY	DESCRIPTION	DATE: 2021-01-11
1	2021-03-16	DRS/ebp	2021-02-23 HCHD Perc Results	SCALE: 1"=50'
2	2021-05-12	DRS/ebp	Per HCHD 2021-04-30	SHT.NO. : 1 OF 1
3	2021-06-15	DRS/ebp	Per HCHD 2021-06-11	DWG.: WS01-01

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EBP - 03462-97200 - 97200-WS01-01-Rev3.plt - 07-29-2021 - 07:33
I:\CAD\03462\97200\WS01-01.DWG, Rev3, 2021-07-29 07:30:38 am, elbp

PLAN VIEW
SCALE: 1"=50'



LEGEND	
Existing	Proposed
Edge of Rd	Feature separation distance in feet
Feature separation distance in feet	Ind. Contours
Forest	Int. Contours
Ind. Contours	Lot Line
Int. Contours	Plat Outline
Lot Line	Right-Of-Way Line
Right-Of-Way Line	Septic Area
Septic Area	Set Back Line
Set Back Line	Soil Type
Soil Type	Bit. Conc. Pav.
Bit. Conc. Pav.	Stormwater Management
Stormwater Management	Conservation Easement
Conservation Easement	Structure
Structure	Telephone Pedestal
Telephone Pedestal	Utility Pole w/Guy Wire
Utility Pole w/Guy Wire	Well
Well	
Cable Marker	
Clean Out, Sewer/Drain	
Electric Transformer	
Mail Box	

SEPTIC TEST LEGEND	
⊙	Approved Deep Trench Perc

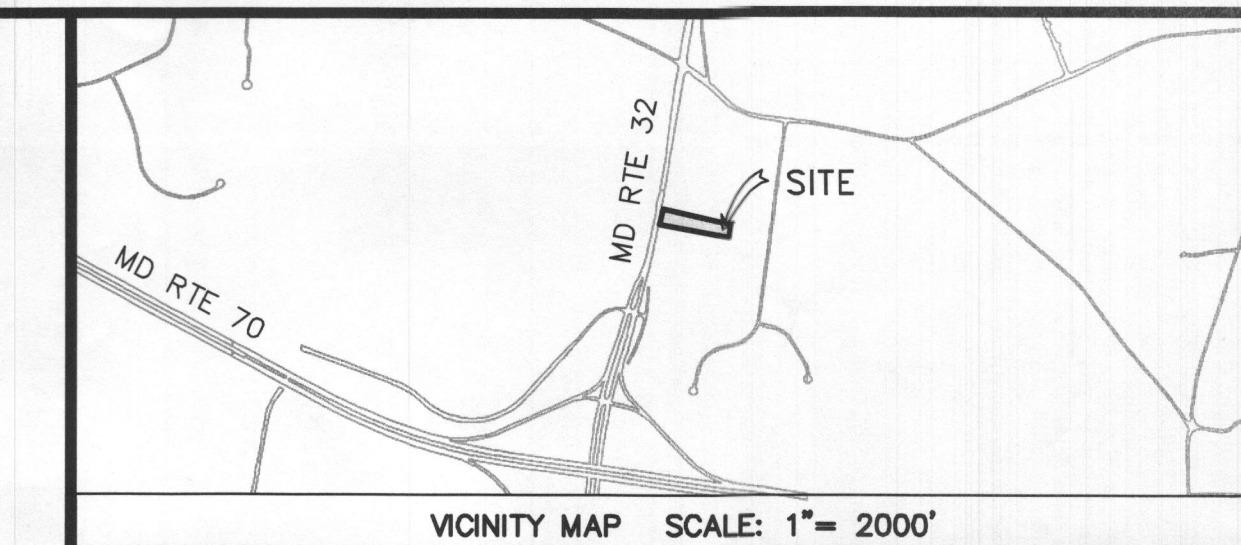
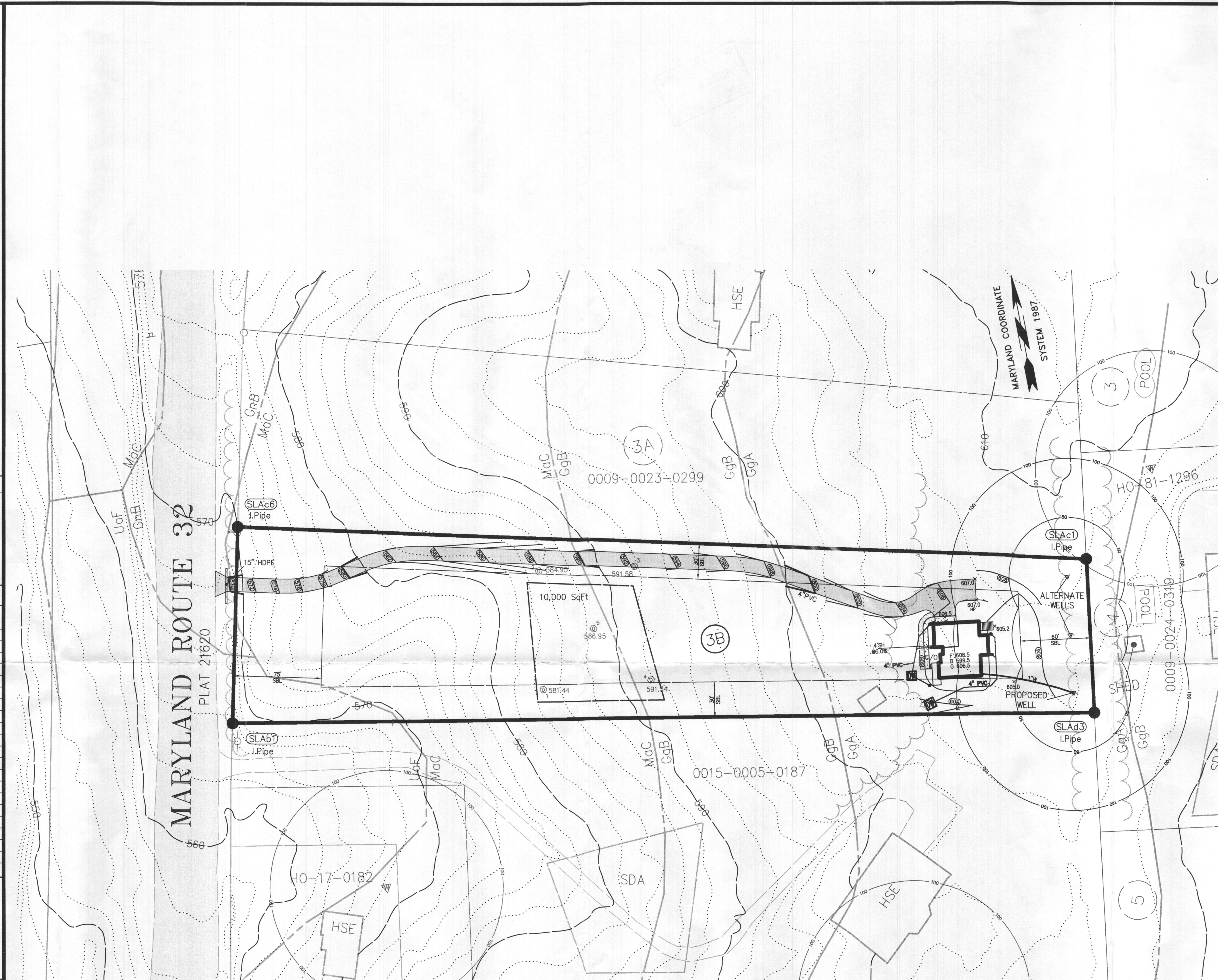
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THIS IS TO CERTIFY THAT THE PERCOLATION TESTS ARE ACCURATELY SHOWN AS PERFORMED IN THE FIELD.

Daniel R. Staley 2021-10-28
 DANIEL R. STALEY L.S. 10735 DATE

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0009-0023-0299 L3B 03-304191 Route 32 Sykesville 21784	Viking Development Corporation 815 Windriver Dr Sykesville MD 21784	CLR20503 P475



- GENERAL NOTES**
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Michael J. Davis 11/17/21
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE

PURPOSE NOTE

Establish a sewerage disposal area (SDA), Build a new residential dwelling, In compliance with Simplified Environmental Concept Plan.

PERC CERTIFICATION PLAN
Slack Property

OWNER: Viking Development Corporation, 815 Windriver Dr, Sykesville MD 21784, 410-977-2188
 DEVELOPER: Viking Custom Homes, 815 Windriver Dr, Sykesville MD 21784, 410-977-2188

MAP 09 BLOCK 23 PARCEL 299
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 3RD ELECTION DISTRICT ROUTE 32 HOWARD COUNTY, MARYLAND

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3	2021-06-15	DRS/ebp	Per HCHD 2021-06-11	DWG.: WS01-01
4	2021-09-23	DRS/ebp	Update per Simplified ECP	
5	2021-10-05	DRS/ebp	Per HCHD 2021-10-05	
6	2021-10-28	DRS/ebp	Per HCHD 2021-10-13/HCPZ 2021-10-14	

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I:\CA\03\46297200\W051-01.DWG, Rev6, 2021-10-28 9:44:37 AM, jls



PLAN VIEW
 SCALE: 1"=50'