Information for testing & the lin

Bernard, Dana

From: Sent: To: Subject: Attachments: keswickyoung@verizon.net Wednesday, April 13, 2022 6:34 AM Bernard, Dana Re: 1723 Underwood Rd. Underwood Rd Septic Plan.pdf

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

Good morning Dana,

I am checking on the status of septic certification plans which I dropped off about three weeks ago. Attached is another copy.

Thank you,

Dan Deitemyer Keswick Young Co. Inc. 443-463-8021

-----Original Message-----From: Bernard, Dana <dbernard@howardcountymd.gov> To: keswickyoung@verizon.net <keswickyoung@verizon.net> Sent: Mon, Feb 14, 2022 10:52 am Subject: RE: 1723 Underwood Rd.

Good Morning,

Yes. I spoke to the assistant director regarding this project. And he is recommending percolation testing because the file is not complete. The soil types for 5 holes is needed along with a percolation certification plan. You have submitted the percolation testing plan application and it must be submitted with a percolation plan. Once we receive this plan it will be reviewed and testing date will be scheduled.

Thanks Dana

From: keswickyoung@verizon.net <keswickyoung@verizon.net> Sent: Thursday, February 10, 2022 8:45 AM To: Bernard, Dana <dbernard@howardcountymd.gov> Subject: Re: 1723 Underwood Rd.

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

Hi Dana,

My client received an email asking for the property to be perced prior to upgrading the existing system. In my application package I submitted the perc information from 1994 when the existing system was installed and all of the holes tested had passed. Also, the soil types are described on the plan. Is it necessary to re-test the same areas that have already passed the perc test? This is an additional expense for the retired lady for whom I'm building the in-law apartment.

Thank you,

Daniel Deitemyer Keswick Young Co. 443-463-8021

-----Original Message-----From: JULIA WAGNER <<u>keswickyoung@verizon.net</u>> To: <u>dbernard@howardcountymd.gov</u> Sent: Tue, Feb 8, 2022 8:14 am Subject: Re: 1723 Underwood Rd.

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> Hi Dana,

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> We had a nice conversation concerning the septic upgrade at 1723 Underwood Rd. a couple of Fridays ago and you were going to run my plans past Mr. Davis.

> I'm just checking in to see if there is any update on the approval of this application.

>

- > Thank you,
- > Dan Deitemyer
- > Keswick Young Co.
- > 443-463-8021

>

> Sent from my iPhone

1723 Underwood

7/19/23 - 200m meeting of Robert Sell - Natalia from McCoone. I explained that the original 10,000 50 ft orea was companied by the house and we had failing holes in 1994 and 22000 complicating the attempt to revise the area and maintain 10,000, like also have the issue of reightoning nell downgale. They sould test hade locations came from surveyor hind by Einteer I doll them we weed field captured dest hale locations shown an plan. Once I have that, we can see what area is available for SDA. We will likely be less than 10,000, but I'm hopeful we can have enoch area alance failing holes to first 2 Robue systems at 5 bedrooms. This area, is also dose to 300° from neighborly well to avoid BAT with now. May need note Reveaus BAT.

I also explained my we need topo extending beyond property the and replacement well sites.

MCRONE

ENGINEERS SURVEYORS PLANNERS

June 7, 2023

Dana Bernard, REHS/L.E.H.S. Environmental Specialist II Well and Septic Program

Subject: Percolation Certification Revised Plan 1723 Underwood: Tax Map: 9 Parcel 300

Ms. Bernard,

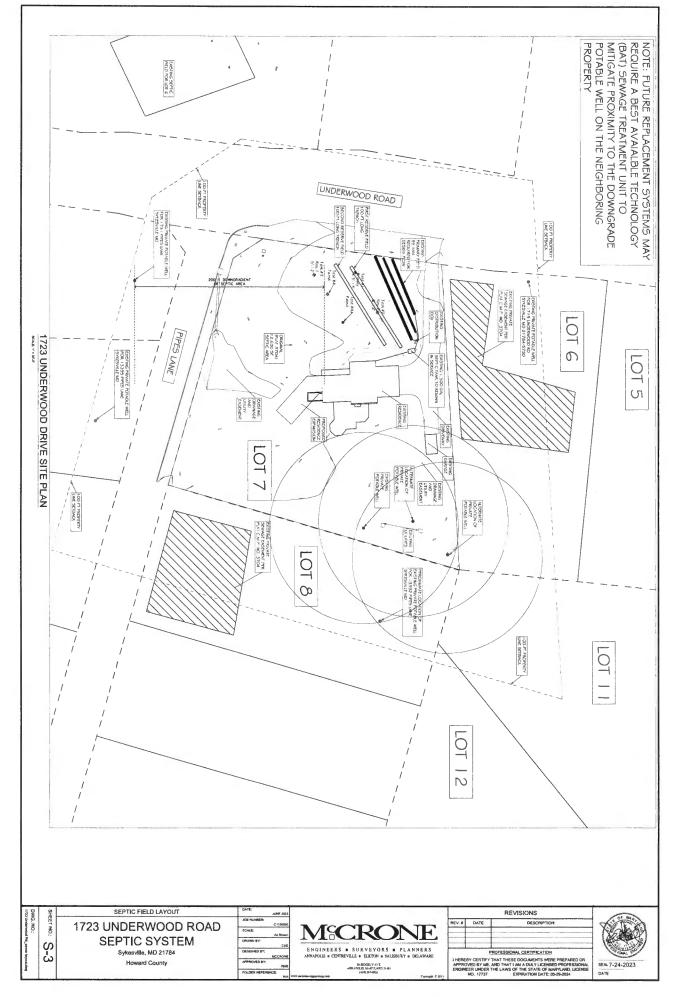
The purpose of this letter is to request variances for the subject property:

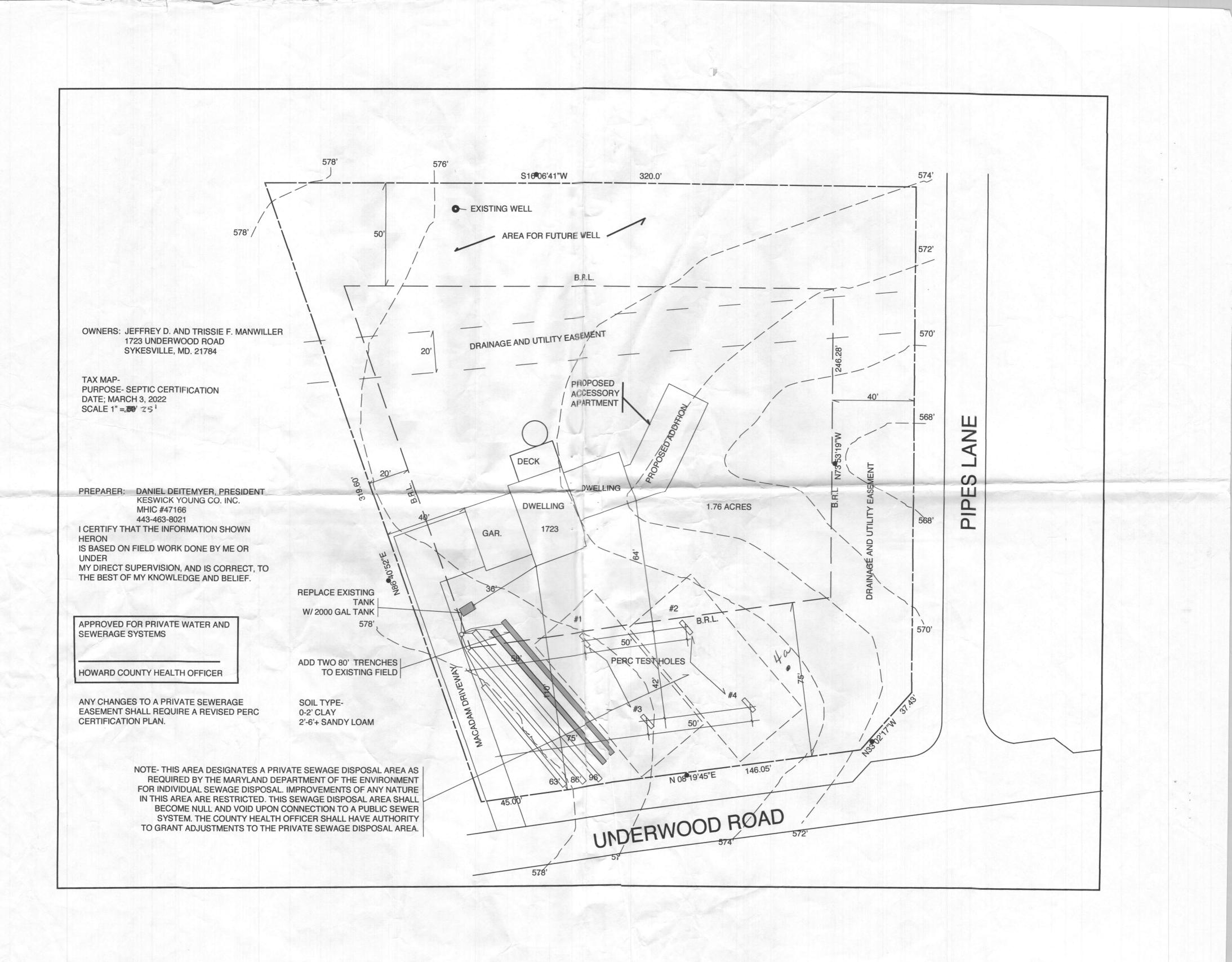
- 1) The subject property has three (3) existing deep trenches that, based on the conversation with the Owners show no evidence of failure. We request that the Owners continue to use these trenches as the primary field. The septic tank is required to be replaced to accommodate the additional bedroom addition.
- It is the County's requirement to provide 10,000 sf septic area, which was shown on the plans. We ask that the septic area is reduced where the percolation tests failed to allow Owners to use this land in the future, if desired. Two reserve fields were shown in the area of passed percolation tests.

Thank you. Please let us know if you have any questions.

Sincerely, McCrone

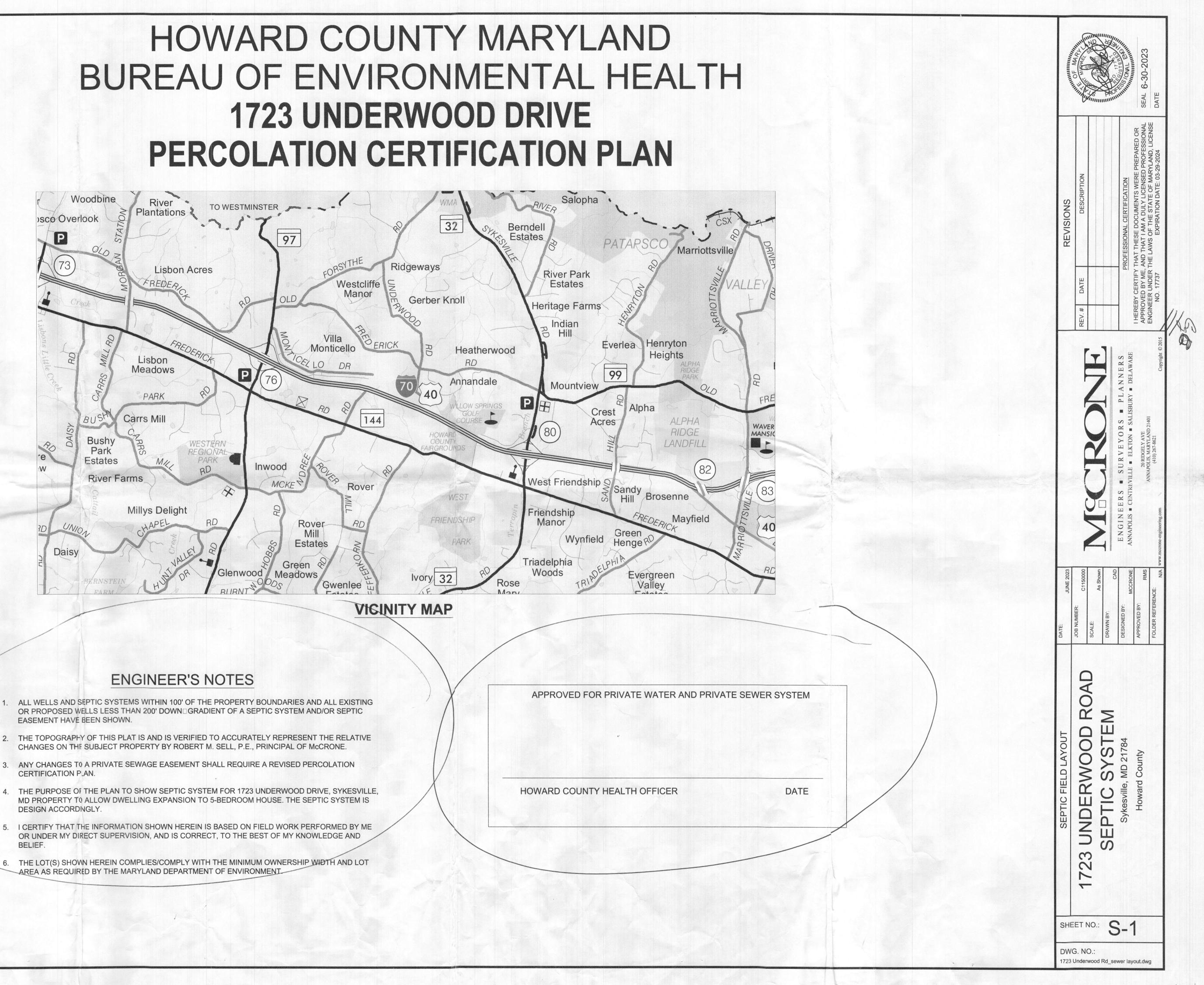
Robert M. Sell, P.E. Principal Water/Wastewater Division Manager McCrone 20 Ridgely Avenue, Suite 201 Annapolis, MD 21401 410.267.6947 ext. 1003 www.mccrone-engineering.com





HOWARD COUNTY MARYLAND **1723 UNDERWOOD DRIVE PERCOLATION CERTIFICATION PLAN**





- EASEMENT HAVE BEEN SHOWN.
- CERTIFICATION P_AN.
- DESIGN ACCORDINGLY.
- BELIEF.

	1.	PROPERTY OWNER :	18.	TREN
		TRISSIE F. AND JEFFREY D. MANWILLER		A.A.S
	2.	SITE ADDRESS: 1723 UNDERWOOD ROAD, SYKESVILLE, MD 21784	19.	HOW
	3.	TAX MAP 9, GRID 21, PARCEL 300		CON: INST
-	4.	EXISTING TOPOGRAPHY, EXISTING UTILITIES, FEATURES OF THE SITE, AND SURROUNDING PROPERTIES AND ROADS WERE TAKEN FROM DRAWINGS PREPARED BY OTHERS.	20.	PRE- HEAI
1	5.	THE SITE IS NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA.		MEE' SUR
	6.	SITE UTILITIES ARE AS FOLLOWS :	21.	PVC
		- WATER - PRIVATE WELL - SANITARY SEWER - PRIVATE SYSTEM		SDR UTIL
		- STORM DRAINAGE - PRIVATE SYSTEM		BOTH WAL
/	/ 7.	ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR TO HIS/HER OWN SATISFACTION BEFORE CONSTRUCTION.		ALL F LUBF OR P
	8.	TAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING SERVICES AND MAINS. ANY DAMAGE TO		ELAS
		THEM SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.	22.	FOLL
9).	NOTIFY LOCAL UTILITY COMPANIES THAT PROVIDE SERVICES TO THE SITE MINIMUM FIVE (5) WORKING DAYS BEFORE STARTING WORK ON THESE DRAWINGS OR EARLIER AS REQUIRED BY LOCAL UTILITY PROVIDERS. THE CONTRACTOR IS TO VERIFY FOR TELEVISION CABLE. IF EITHER UTILITY SERVICE PROVIDERS OR HOWARD COUNTY DETERMINE THAT EXISTING POLES ADJACENT TO THE EXCAVATION NEED TO BE BRACED, BRACING SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.		
	10	PRIOR TO SUBMITTING BID/PROPOSAL, THE CONTRACTOR SHALL WALK THE ENTIRE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS IN THE AREA OF NEW CONSTRUCTION WORK.		
	11	. REPAIR AND REPLACE ANY EXISTING FENCES, DRIVEWAYS, ETC., DAMAGED OR REMOVED DURING CONSTRUCTION UNLESS OTHERWISE NOTED BY THE CONTRACT DRAWINGS AND SPECIFICATION OR BY THE OWNER/OWNER'S REPRESENTATIVE.		
	12	2. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.		
	13	3. NOTIFY THE OWNER/OWNER'S REPRESENTATIVE OF ANY DEVIATION FROM THIS PLAN PRIOR TO ANY CHANGE BEING MADE. ANY CHANGE TO THIS PLAN WITHOUT WRITTEN AUTHORIZATION FOR SAID CHANGE FROM THE OWNER/OWNER'S REPRESENTATIVE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR.		
	14	4. THESE DRAWINGS DO NOT INCLUDE ALL THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONSTRUCTION TO BE DONE IN COMPLIANCE WITH THE MOST RECENT VERSION OF OSHA STANDARDS AND REQUIREMENTS.		
	1	5. WHERE UTILITY PIPES ARE TO BE PLACED ON COMPACTED FILL, THE FOLLOWING SHALL APPLY : A. PRIOR TO PLACEMENT OF COMPACTED FILL, ANY SOFT OR OTHERWISE UNSUITABLE SOILS ENCOUNTERED AT OR BELOW THE PIPE INVERT SHALL BE UNDERCUT AND REMOVED FROM THE CONSTRUCTION AREA.		
		B. ACCEPTABLE COMPACTED FILL SHALL BE PLACED IN SIX INCH THICK LOOSE LIFTS AND COMPACTED TO THE MINIMUM DENSITY IN ACCORDANCE WITH A.A.S.H.T.O., DESIGNATION T-180, METHOD C, AND THE APPLICABLE HOWARD COUNTY SPECIFICATION. COMPACTION TEST RESULTS CONDUCTED BY AN INDEPENDENT TESTING LAB AND SEALED BY A REGISTERED ENGINEER ARE TO		
		BE SUBMITTED TO THE OWNER/OWNER'S REPRESENTATIVE PRIOR TO PIPE INSTALLATION. C. THE COMPACTED FILL SHALL BE BENCHED INTO THE EXISTING VIRGIN SLOPES WITH EACH LIFT		
		PLACED TO ALLOW A SMOOTH TRANSITION FROM VIRGIN TO FILL SOILS.		
		PROVIDED IN MANUFACTURER'S INSTALLATION REQUIREMENTS. ANY NON-APPROYED DEVIATION FROM THESE INSTRUCTIONS AND CAUSED DAMAGE WILL BE A DIRECT RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND SHALL BE REPAIRED AT NO EXTRA COST TO THE OWNER. LIQUIDATION DAMAGES WILL APPLY AT DISCRETION OF THE OWNER.		
	1	6. THESE DRAWINGS ARE TO BE USED FOR CONSTRUCTION OF THE SEPTIC TANK ANI SUBSURFACE DISPOSAL SYSTEM OF WASTEWATER.		
	1	7. ALL TEES, PLUGS, CAPS AND BENDS SHALL BE RESTRAINED AGAINST MOVEMENT FER SECTION 8-6.1 NFPA 24.		
		INF F A 29.		

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SEWER CONSTRUCTION NOTES (CONT'D)

ICH BACKFILL SHALL BE COMPACTED TO THE MINIMUM DENSITY IN ACCORDANCE WITH .H.T.O., DESIGNATION T-180, METHOD C.

VARD COUNTY INSTALLATION PERMIT IS EFFECTIVE DURING TWO (2) YEAR AFTER THE IANCE DATE. IF ANY INSTALLATION IS NOT COMPLETE AT THE END OF THE 2-YEAR ISTRUCTION PERIOD, THE OWNER/CONTRACTOR IS RESPONSIBLE TO RE-APPLY FOR THE ALLATION PERMIT.

CONSTRUCTION MEETING IS REQUIRED WITH AN INSPECTOR FROM THE HOWARD COUNTY TH DEPARTMENT PRIOR TO ANY EXCAVATIONS FOR THE SEPTIC SYSTEM. PRIOR TO THE TING THE SEPTIC TRENCHES AND TANK LOCATIONS MUST BE STAKED BY A LICENSED VEYOR.

PIPE FOR GRAVITY SEWER SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM D-3034, 26 SPECIFICATION FOR TYPE PSM POLY VINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, IZING A RUBBER RING JOINT TO PROVIDE FOR EXPANSION AND CONTRACTION. JOINTS FOR HPIPE AND FITTINGS SHALL BE OF THE INTEGRAL BELL TYPE, CONSISTING OF AN INTEGRAL L SECTION WITH A SOLID CROSS-SECTION RUBBER RING, FACTORY ASSEMBLED AND JRELY LOCKED IN PLACE TO PREVENT DISPLACEMENT. RUBBER GASKETS SHALL COMPLY IN RESPECTS WITH THE PHYSICAL REQUIREMENTS SPECIFIED IN ASTM F-477 AND THE RICANT USED FOR JOINT ASSEMBLY SHALL HAVE NO DETRIMENTAL EFFECT ON THE RING PIPE. PIPE CONNECTIONS AT MANHOLES SHALL BE ACCOMPLISHED BY MEANS OF AN STOMERIC GASKET TO PROVIDE FLEXIBILITY AND ADEQUATE JOINT TIGHTNESS.

LOW CONSTRUCTION SAFETY REQUIREMENTS AS REQUIRED BY OSHA STANDARDS AND ULATIONS.

DESIGN BACKGROUND

= 750 GPD / 1.2 GPD/SF = 625 SF

MINIMUM TRENCH SPACING IS 10 FT.

Deep Trench Length
Width =
Trench Bottom =
Effective Depth Start =
Effective Depth =
(w+2)/(w+1+2d) =
Design Length =

Number of Primary Trenches (Test #1) = Number of Reserve 1 Trenches (Test #3) = Number of Reserve 2 Trenches (Test #2) =

*/ / Y

Oh many mile 5-10' PU V #3 Red Brog allo gui DATE Sh. 5-10 pl. Red Bro -25-30 7a yellow Sel

