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

February 28<sup>th</sup>, 2022

TO: Loretta Widerman, Applicant  
RE: 14911 Old Frederick Road Percolation test results and data

Dear Mrs. Widerman,

On February 23, 2022, percolation tests were conducted as scheduled at 14911 Old Frederick Road. The proposed sewage disposal area re-location was thoroughly tested for the benefit of the existing Widerman Lot 1, in order to null & void their previously undesired SDA. The test site was dominated by two soil types, and five soil profiles were described and tested on the existing buildable lot 1 located on parcel 141.

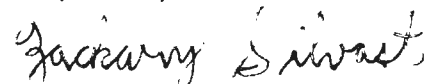
Locations 114, 115, 116, and 117 were dug at their respective staked locations and they each had a PASS. An additional hole was proposed at the time of testing, due to the property's topography and for the benefit of future designed septic systems. Location 118 was the extra evaluated perc hole, and it also had a PASS.

All evaluated locations must be field-located and illustrated on the Percolation Certification Plan. This is not limited to staked perc holes 114-117.

Locations of percolation tests that 'PASS' are used to define the soils that are suitable for inclusion in an SDA proposed on the Percolation Certification Plan. The results and suitable areas for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan. After the Percolation Certification Plan is signed by the Bureau of Environmental Health Director, the Health Department's Environmental Health Specialists may consider review and approval of the subdivision and permit proposals such as well or septic system permits and building permits.

If you have questions related to this report, you may reply to me via email, [zsilvast@howardcountymd.gov](mailto:zsilvast@howardcountymd.gov), or call my desk, 410-313-1777.

Respectfully,



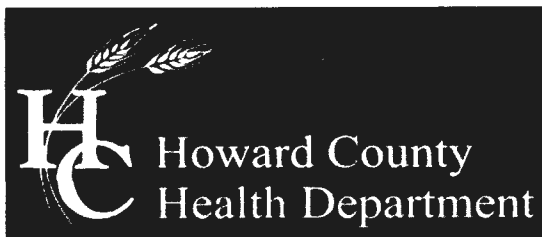
Zackary Silvast, REHS/RS, L.E.H.S.

Plan Review Supervisor

Well and Septic Program (Howard County HD)

Enclosures: Percolation Test Application and Field Worksheet

Copy: Tony Fertitta, Fisher, Collins & Carter, Inc.



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

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME WIDERMAN HARRISON PROPERTY

PROPERTY ADDRESS 14911 OLD FREDERICK RD WOODBINE 21797-0000

STREET

TOWN

ZIP

TAX ACCOUNT # 312686 TAX MAP 8 GRID 10 PARCEL 141 LOT NO. 1 PROPOSED LOT SIZE (ACRES) 3

ZONING CATEGORY RC-DEO TIER

PROPERTY OWNER(S) Holly Harrison

DAYTIME PHONE CELL 3016397121 EMAIL hjharrison1013@gmail.com

MAILING ADDRESS 4911 CHERRY TREE LN SYKESVILLE MD 21784-9109

STREET

CITY, STATE

ZIP

APPLICANT Holly Harrison

RELATIONSHIP TO OWNER: Owner

DAYTIME PHONE CELL 3016397121 EMAIL hjharrison1013@gmail.com

MAILING ADDRESS 4911 CHERRY TREE LN SYKESVILLE MD 21784-9109

STREET

CITY, STATE

ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- PROPERTY checkboxes: SUBDIVISION, CONSTRUCT NEW OSDS, REPAIR OR REPLACE FAILING OSDS, UPGRADE EXISTING OSDS, SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING), MAJOR, MINOR

BUILDING:

- BUILDING checkboxes: RESIDENTIAL WITH 5 OR 6 EXISTING OR PROPOSED BEDROOMS, COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR? checkboxes: YES, NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- AS APPLICANT, I UNDERSTAND THE FOLLOWING: bullet points regarding application validity, fee non-refundability, and public document status

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Signature of applicant

SIGNATURE OF APPLICANT

11/30/22

DATE

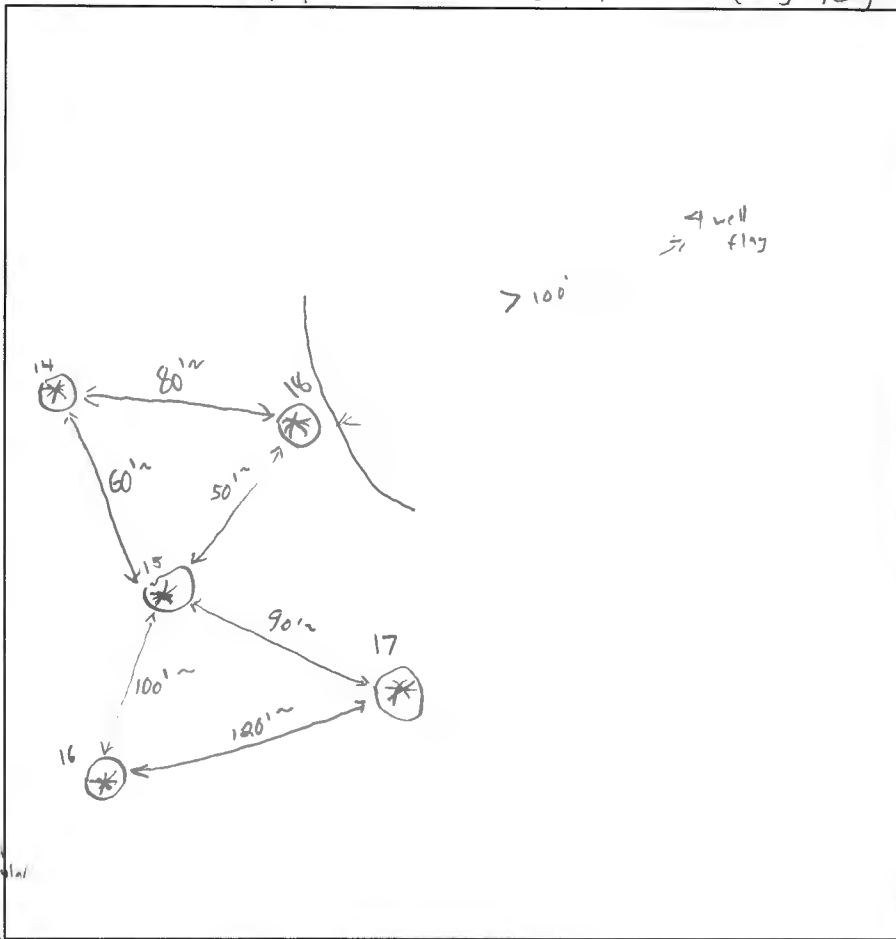
# 14911 Old Frederick Rd (G<sub>9</sub>A, G<sub>9</sub>B)

AP \_\_\_\_\_

Perc 16  
 0-6" top soil w roots  
 Br Lom  
 6"-2 1/2' Br. Red  
 LL (thick)  
 2 1/2' - 4' Tan/Red  
 SCL (light)  
 4' - 5' Tan/Red  
 SCL (loose)  
 5' - 7' Red Tan  
 SL w/silt  
 7' - 12' 25% shale

Perc 14  
 0-3" top soil  
 3' - 7" Dark Br. red  
 SL  
 7" - 2 1/2' Tan/red  
 SCL (light)  
 2 1/2' - 3 1/2' Tan/red  
 SCL (loose)  
 3 1/2' - 4 1/2' Tan/red  
 SCL (light)  
 4 1/2' - 7' Tan/red  
 SCL (light)  
 7' - 12' Tan/red  
 SL w/silt  
 15% shale

Perc 15  
 0-3" Br. Lom  
 3" - 4" Red/Br  
 SCL  
 4" - 2' Red/Br  
 SCL  
 2' - 2' Red/Br  
 SCL  
 3' - 5' Heavy  
 Red/Tan  
 SCL  
 5' - 6' Tan/Red  
 SCL  
 6' - 8' Tan  
 SCL  
 8' - 9' 4"  
 9' - "



Perc 17  
 0-3" top soil  
 brown loam  
 3' - 2' Heavy SCL Red/Br  
 10% clay  
 2' - 4' Red/Tan SCL  
 4' - 5' Tan/Red  
 SCL 100%  
 5' - 7' Tan/Red  
 SCL sticky  
 7' - 11' Tan/Red  
 SCL (loose)  
 11' - 13' Tan/Red  
 SCL some  
 25% shale  
 (restrictive)

Perc 18  
 0-3" top soil  
 3' - 9" Brown SL  
 9" - 2 1/2' Red/Br  
 SCL (light)  
 10% clay  
 2 1/2' - 5' Red/Br  
 SCL (heavy)  
 1' - 6 1/2' Red/Br  
 SCL (loose)  
 6 1/2' - 9' Red/Br  
 SCL w/silt  
 some clay  
 9' - 12' Tan/Br  
 SCL  
 w/15% shale  
 12' - 13' > 40'  
 shale  
 (restrictive)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/23/22	16	6'	9:30am	9:35am	9:44am	9 mp.	P
2/23/22	14	4 1/2'	9:55am	9:59am	10:09am	10 mp.	P
2/23/22	15	5'	10:32am	10:39am	10:53am	14 mp.	P
2/23/22	17	6'	10:48am	10:57am	11:07am	10 mp.	P
2/23/22	"18"	6'	11:17am	11:28am	11:53am	25 mp.	P

REMARKS Consistent Soil  
 SANITARIAN Zack Silvast BACKHOE Fogle OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA 5 AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

PROJECT	<b>Wilderman Harrison Property</b>			<b>DRS &amp; Associates</b> LAND DESIGN CONSULTANTS 52 WINTERS STREET WESTMINSTER, MD 21157 410-876-6040 FAX 410-848-8818	
PROJ.NO.	<b>03508-97108</b>				
CLIENT	JT Custom Builders				
DATE	2022-06-20	Version	2.2		
Lot or Parcel	Lot 1 – Initial System				

## HOWARD COUNTY TRENCH DESIGN

### Percolation Testing Results

Average	16.0	Minutes		Test 1	16	Minutes
				Test 2		Minutes
				Test 3		Minutes
				Test 4		Minutes
				Test 5		Minutes

### Design Information

Bedrooms  X  =  gpd

Application Rate (g/sf)	0.6					
				Perc Rate (min)	Gal per sf	
				2	5	1.2
				6	15	0.8
Absorption Area (sf)	1000			16	30	0.6

### Standard Trench

Trench Width (ft)						
Trench Length (ft)				Standard Trench with 6 inches of stone below pipe		
Between Trenches (ft)				Center Trench to Center Trench (ft)		

### Deep Trench

Trench Width (ft)	2			Length of StdTrench (ft)	500
Side Wall Credit (ft)	3.0				
Deep Trench Percentage	44.44%				
Trench Length (ft)	222.22			Deep Trench with 3 feet of stone below pipe	
Between Trenches (ft)	10			Center Trench to Center Trench (ft)	12

Between Trenches: 10 feet minimum to 18 feet maximum

Under  
14881 old Frederick  
14451 ↓ ↓

in ↓  
H2CO  
search  
engine  
-25

## Silvast, Zackary

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**From:** Silvast, Zackary  
**Sent:** Wednesday, March 2, 2022 9:08 AM  
**To:** Tony Fertitta  
**Cc:** Williams, Jeffrey  
**Subject:** Regarding perc cert for 14911 Old Frederick Rd

Tony,

This one needs some work before we can approve a well permit.

### Revision Comments:

1. **We would like to see the SRA move uphill closer to percs 17 and 18, in correlation that would mean that a good portion of the current SDA area proposal surrounding perc 16 would be shifted up. That bottom left tip, currently shown, will not really be useful when sizing septic systems and keeping them on contour. We would like to see contour line 630 held relatively speaking, some of the SRA can dip below it but not much.**
2. **We need the entire septic system shown for the neighbor across the street at 14880 Old Frederick Rd due to proposed well location.**
3. **We need Old Frederick Road to be shown with accuracy, that includes pavement lines.**
4. **A couple well notes need to be added to the general notes section due to the lots proximity to Route 70.**
  - a. **A well permit for this property may be held to special conditions due to potential roadside salt contaminants including casing requirements, the Health Department will be required to be on-site at the time of well construction.**
  - b. **Prior to building permit approval, the well may require testing of sodium chlorides levels along with other potential contaminants to be determined.**
5. **All previous percs holes should be shown on the property, including failed holes. The differences, as well as pass/fail designation, should be easy to decipher with an updated legend.**

Thank you.

- ZS

### **Zack Silvast (LEHS)**

*Plan Supervisor - Water & Sewer Division*

*410-313-1777*

Environmental Health Bureau

Howard County Health Department



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045
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Maura J. Rossman, M.D., Health Officer

Please note that many of our Well and Septic Program records are now available on our website.
http://hcenvhealthinfo.org/hcenvapp

Public Information Act Request Form CS0020829

Required Property Information:

Wideman, Loretta SW Old Frederick Rd Woodbine Md 21797
Current Owner's Name Property Address
Wideman Harrison Prop 04-312686 1 0008 0141
Subdivision Tax Account Number Lot # Tax Map Parcel

Applicant's name: DRS & Associates Phone # 410-876-6040

Address: 52 Winters Street, Westminster, MD 21157

Please indicate preferred response method for your request:

Regular Mail Fax #: Email: drs@ramss.com

Select from the following records:

Well & Septic Program
[X] Percolation Results [X] Septic Construction Plan (As built)
[X] Well Completion Report Complete Lot File
Other (specify)

Food Protection Program

Inspection Report - Food Facility Name:
List of food facilities
Other (Please explain):

Community Hygiene Program

Complaint Investigation Reports Rabies Case Reports Pool Inspection Records
Registered Storage Tanks Well Water Sampling Other

I understand that I will be charged \$ 0.60 per page copied. If staff time in record retrieval takes more than two (2) hours, then a fee of \$25.00 per hour after two (2) hours will be assessed. Also, I do understand that I will not be able to request any proprietary information enclosed in the file and all copies larger than 11"x17" may best be provided by the proprietor of the document. I also realize that it may take up to thirty (30) days to process this request.

Daniel Staley

Applicant's Name (please print)

Applicant's Signature Date 2022-01-21

FOR OFFICE USE ONLY

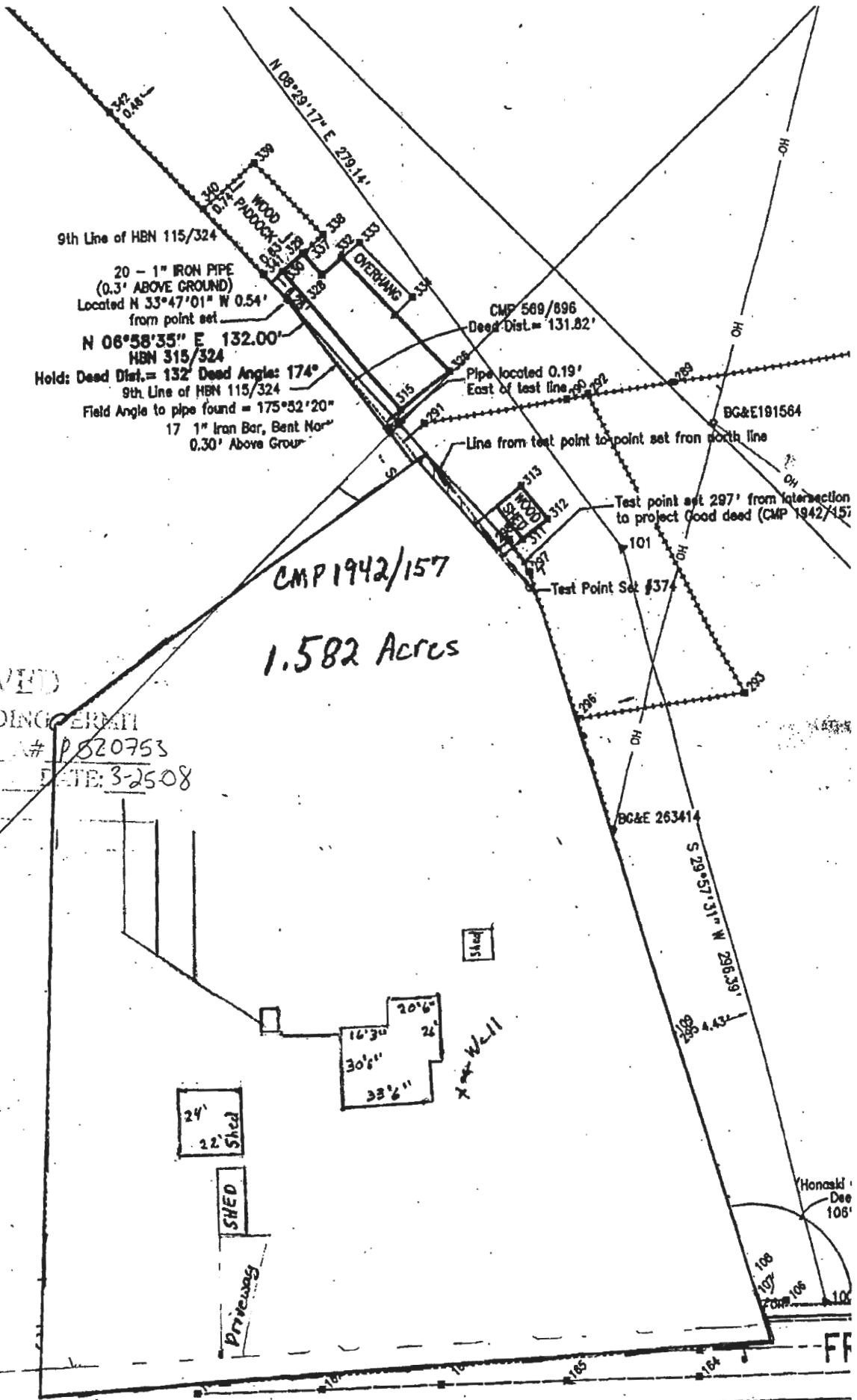
Date Received
Date Completed
# of Copies
Staff Initials

6/7/22

Hi Zack -

sent you an email. Looking  
for the PC for this property  
for a PIA

~ Susan



*Handwritten notes:*  
 1.214...  
 10755...

**1" = 50'**

**CMP 1942/157**  
**1.582 Acres**

**APPROVED**

**WALK-THRU BUILDING PERMIT**  
 BP# B08000808 A# P 520753  
 APP. SAN #S \_\_\_\_\_ DATE: 3-25-08  
 DISC. OF WORK \_\_\_\_\_  
24' x 22' shed

Deed (BM JR. 190/521) ...  
 ve said road with the  
 However, the 10th line  
 324 (which runs reversely on  
 and on it the following  
 ch suggests this still  
 deed is clearly located

ben set using the original  
 JR. 190/521 (underlying Honoaki  
 set on the northernmost line.

2 1942/157) has been established  
 underlying deed (HBN 115/324).  
 parcel, although clearly  
 1 running with HBN 115/324,  
 "with the said 11th and a  
 feet..." the same distance  
 t side of Frederick Road.

sents the re-establishment  
 location of the existing  
 ove not yet been reflected on thl

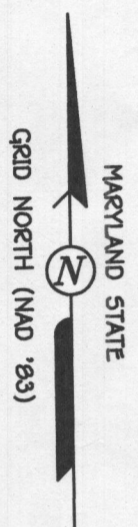
19 - 1/2" PIPE (BENT TO  
 0.6' BELOW SURFACE

324

FF

**LEGEND**

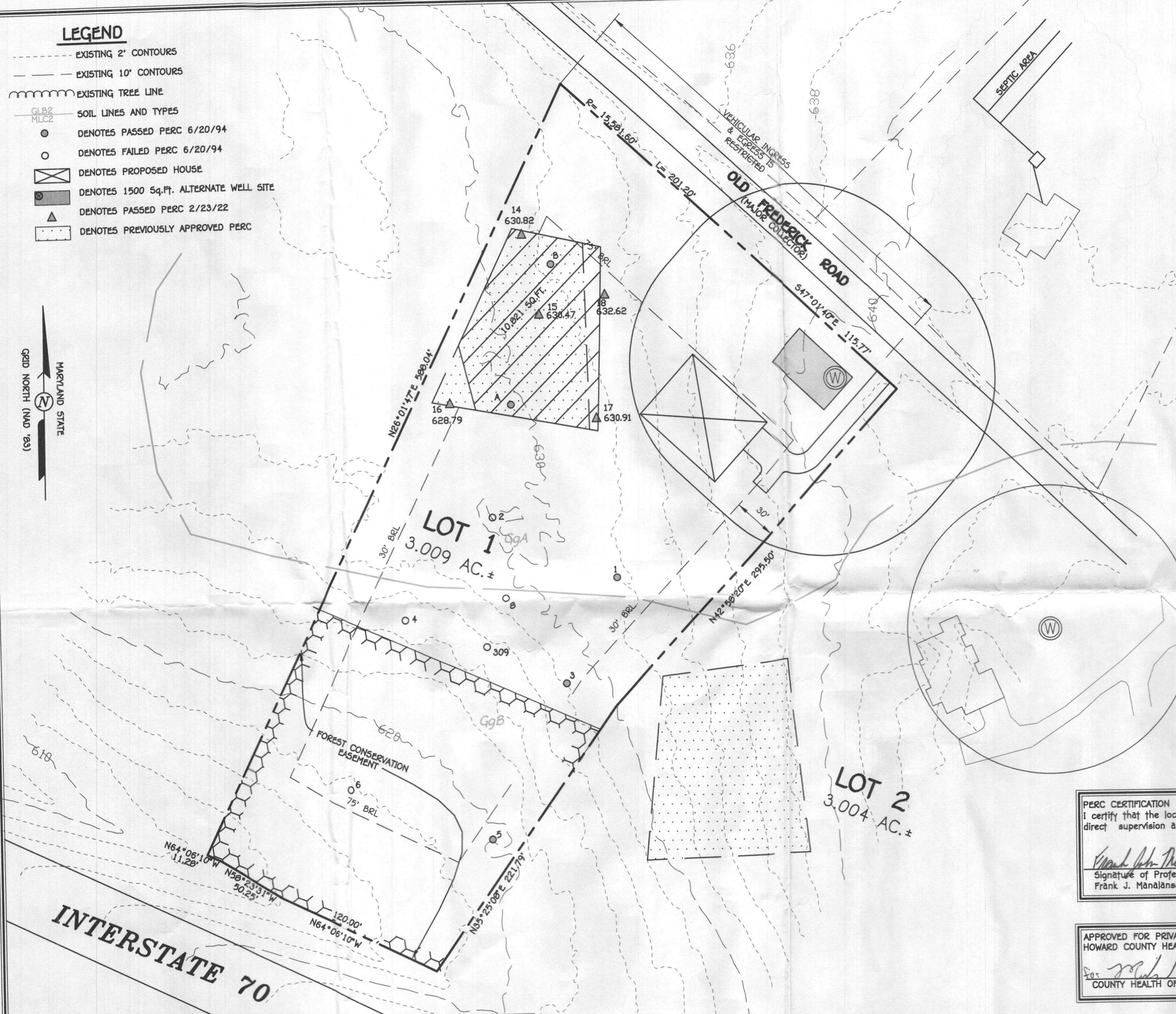
- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- ~~~~~ EXISTING TREE LINE
- GLB2  
MLC2 SOIL LINES AND TYPES
- DENOTES PASSED PERC 6/20/94
- DENOTES FAILED PERC 6/20/94
- ⊠ DENOTES PROPOSED HOUSE
- ⊞ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
- ▲ DENOTES PASSED PERC 2/23/22
- ▲ DENOTES PREVIOUSLY APPROVED PERC



**VICINITY MAP**  
SCALE : 1" = 1200'

**GENERAL NOTES:**

1. [Hatched Area Symbol] THIS AREA DESIGNATES A SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET 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 DISPOSAL AREA. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEWAGE DISPOSAL AREA IS 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. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES AND ALL EXISTING OR PROPOSED WELLS LESS THAN 200' DOWN/GRADIENT OF A SEPTIC SYSTEM AND/OR SEPTIC EASEMENT.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY Q15 TOPOGRAPHY AT 2' CONTOUR INTERVAL.
7. BOUNDARY OUTLINE BASED ON A FIELD RUN SURVEY BY FISHER, COLLINS AND CARTER, INC. ON SEPTEMBER 8, 1994.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
9. PLAT REFERENCE 11731
10. A WELL PERMIT FOR THIS PROPERTY MAY BE HELD TO SPECIAL CONDITIONS DUE TO POTENTIAL ROADSIDE SALT CONTAMINANTS INCLUDING CASING REQUIREMENTS. THE HEALTH DEPARTMENT WILL BE REQUIRED TO BE ON-SITE AT THE TIME OF WELL CONSTRUCTION.
11. PRIOR TO BUILDING PERMIT APPROVAL, THE WELL MAY REQUIRE TESTING OF SODIUM CHLORIDES LEVELS ALONG WITH OTHER POTENTIAL CONTAMINANTS TO BE DETERMINED.



PERC CERTIFICATION  
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

*Frank J. Manalansan II*  
Signature of Professional Land Surveyor  
Frank J. Manalansan II, Professional Land Surveyor No. 21476 Expires 07/14/23

3/7/22  
Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*Frank J. Manalansan II*  
COUNTY HEALTH OFFICER

3/11/22  
DATE

**PERC CERTIFICATION PLAN**  
**14911 OLD FREDRICK ROAD**

TAX MAP #0  
4TH ELECTION DISTRICT  
SCALE: 1" = 50'

PARCEL: 141  
HOWARD COUNTY, MARYLAND  
DATE: MARCH 3, 2022

**SOILS LEGEND**

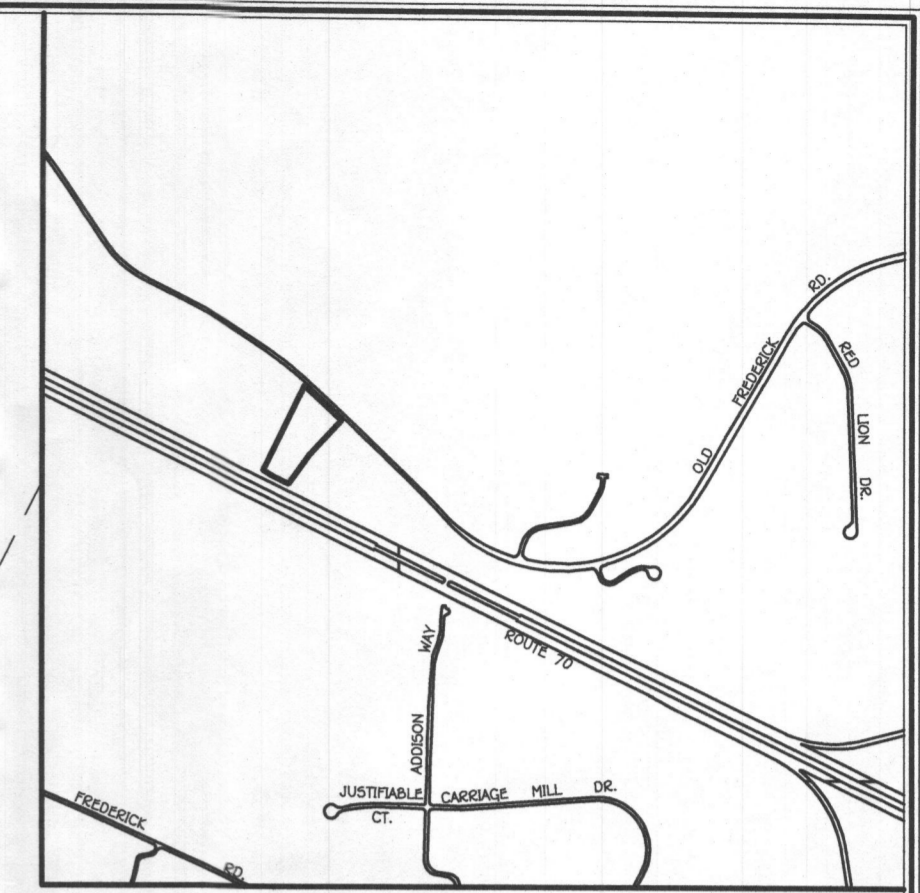
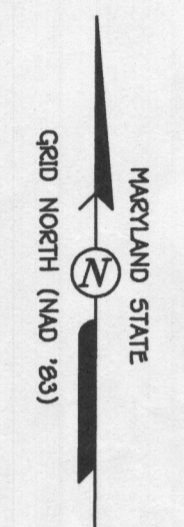
SOIL	NAME	CLASS	'K' VALUE
GgA	Glenelg loam, 0 to 3 percent slopes	B	.37
GgB	Glenelg loam, 3 to 8 percent slopes	B	.37

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21042  
(410) 461 - 2295

THE PURPOSE OF THE PERC RECERT IS TO TEST ADDITIONAL HOLES FOR MORE DATA IN THE APPROVED PERC AREA.

**LEGEND**

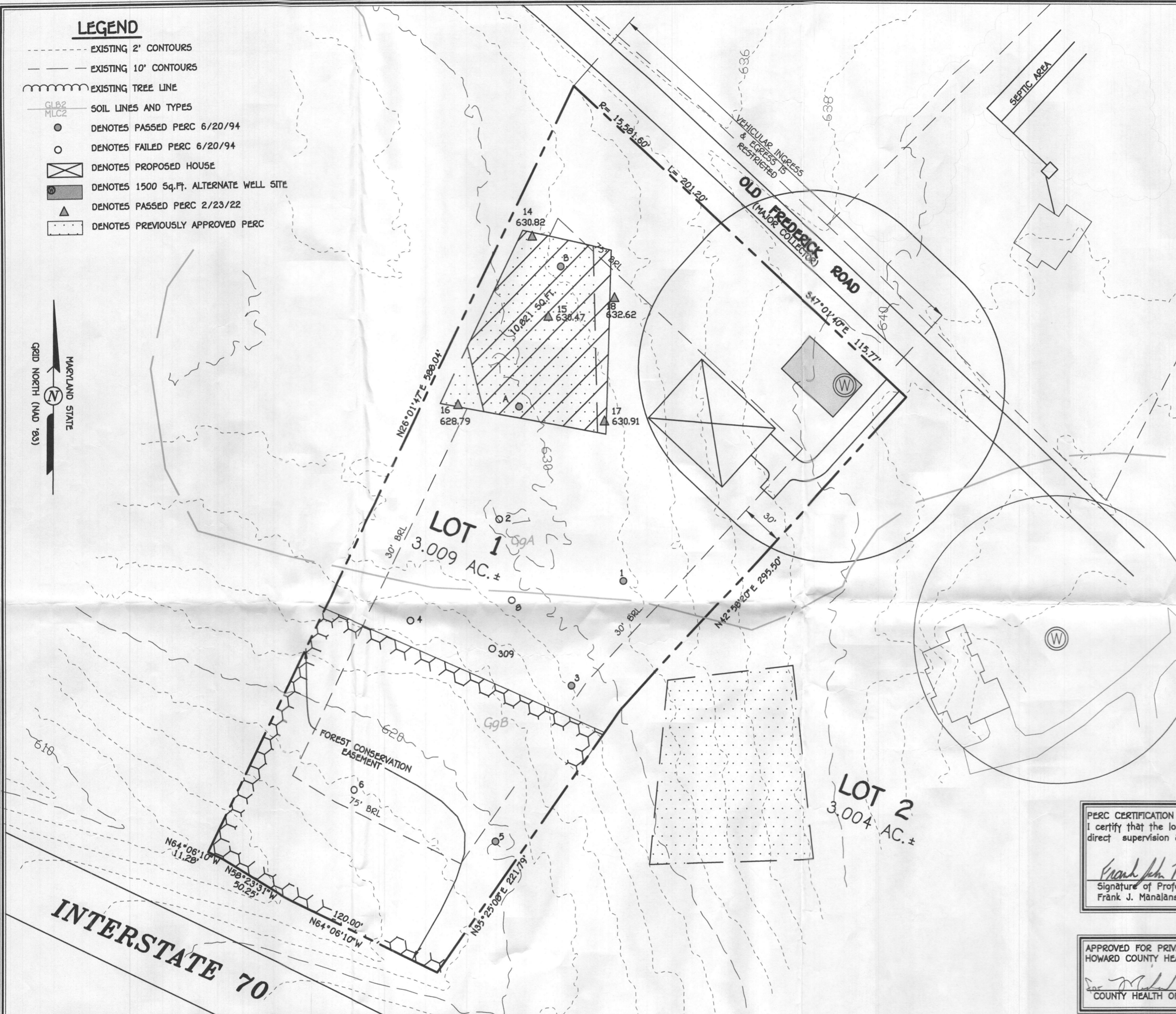
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Signature of Professional Land Surveyor  
Frank J. Manalansan II, Professional Land Surveyor No. 21476 Expires 07/14/23

3/7/22  
Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*[Signature]*  
COUNTY HEALTH OFFICER

3/11/22  
DATE

**SOILS LEGEND**

SOIL	NAME	CLASS	'K' VALUE
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GgB	Glenelg loam, 3 to 8 percent slopes	B	.37

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CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
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(410) 461 - 2955

**PERC CERTIFICATION PLAN**  
**14911 OLD FREDRICK ROAD**

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SCALE: 1" = 50

PARCEL: 141  
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DATE: MARCH 3, 2022