



HOWARD COUNTY HEALTH DEPARTMENT

68886

DATE 4/30/21

PS

Received From

Ted Ludicke

PHONE #

413-545-4847

For

Perc App / 12710 Triadelphia Rd.

CASH

CHECK

NO.

2758

Five hundred six

Dollars

\$ 506.00

Received By

A King

1568845

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

**APPLICATION  
FOR PERCOLATION TESTING AND SITE EVALUATION**

**PROPERTY LOCATION**

SUBDIVISION/PROPERTY NAME 2003  
 PROPERTY ADDRESS 12710 Triadelphia Rd Ellicott City 21042  
STREET TOWN ZIP  
 TAX ACCOUNT # \_\_\_\_\_ TAX MAP 0022 GRID 0004 PARCEL 0157 LOT NO. Per 2 PROPOSED LOT SIZE (ACRES) \_\_\_\_\_  
 ZONING CATEGORY \_\_\_\_\_ TIER \_\_\_\_\_

PROPERTY OWNER(S) Theodore Ludicke  
 DAYTIME PHONE 443.545.4347 CELL \_\_\_\_\_ EMAIL \_\_\_\_\_  
 MAILING ADDRESS 12710 Triadelphia Rd Ellicott City, MD 21042  
STREET CITY, STATE ZIP

APPLICANT Freedom Septic Service RELATIONSHIP TO OWNER: septic  
 DAYTIME PHONE 410.785.2947 CELL \_\_\_\_\_ EMAIL chrissy@freedomseptic.com  
 MAILING ADDRESS 2809 Liberty Rd Sylkessville, MD 21784  
STREET CITY, STATE ZIP

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

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: \_\_\_\_\_  
 SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING)  MAJOR  MINOR
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 4 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

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 \_\_\_\_\_

DATE \_\_\_\_\_

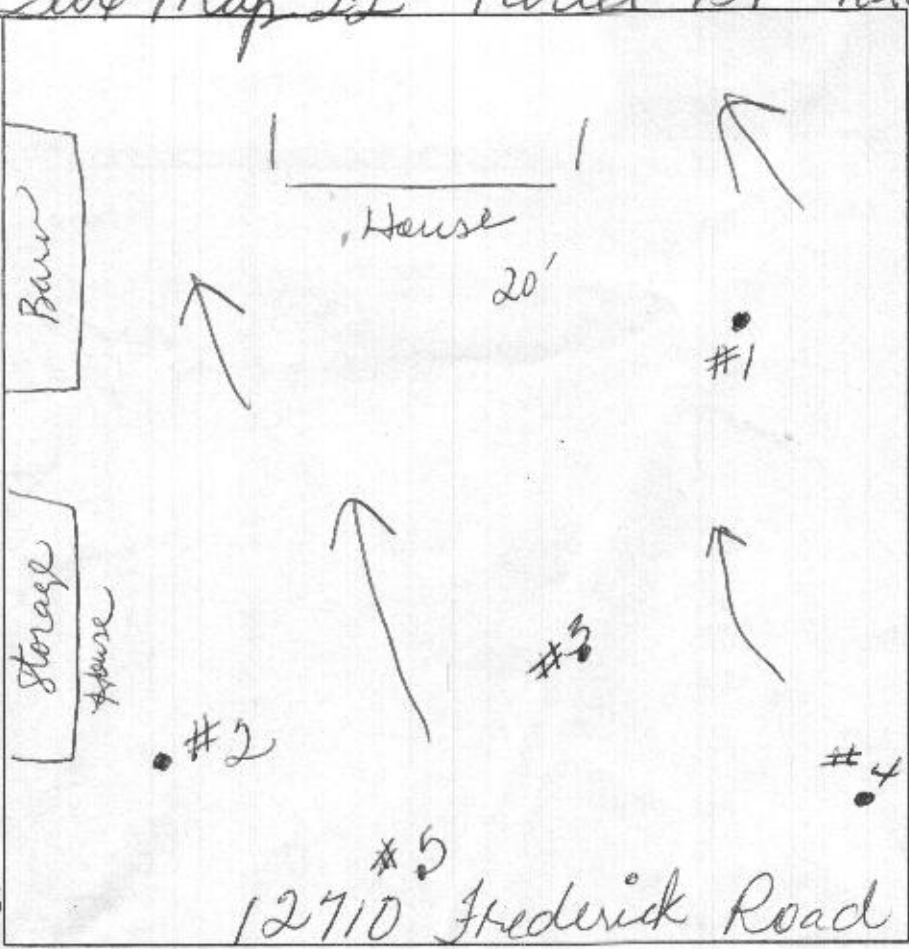
May 22 Parcel 157 Parcel 2 #4

AP \_\_\_\_\_

#1  
Red Brown yellow  
SCL  
10-20% R<sub>4</sub> 6.6  
↓ 14'

#2  
Red Brown yellow  
SCL  
5-10% R<sub>4</sub> 5.5  
↓ 14'

#3  
Red Brown yellow  
SCL  
8-5% shale 5.0  
Red Brown yellow  
Sh  
10-20% shale  
many mica  
↓ 14'



#4  
Red Brown yellow  
SCL 5.5

Red Brown yellow  
SCL  
0-5% R<sub>4</sub>  
↓ 14'

#5  
Red Brown yellow  
SCL 5.7

Red Brown yellow  
Sh  
5-10% R<sub>4</sub>  
↓ 14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-5-21	1	6.6/14	12:45	12:49	12:57	8min	P
5-5-21	2	6.3/14	1:10	1:13	1:17	4min	D
5-5-21	3	5.3/14	1:32	1:34	1:36	2min	P
5-5-21	4	6.0/14	1:55	1:59	2:08	9min	P
5-5-21	5	6.0/14	2:21	2:30	2:36	6min	P

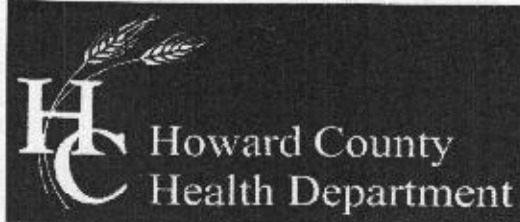
Shale @ 14'

REMARKS \_\_\_\_\_

SANITARIAN Dana Benad BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 12710 Frederick Road

Subdivision: lot map 22 Parcel 151 Lot: \_\_\_\_\_

Initial system: Application rate: 0.8 Effective area beginning depth: 5.5 Bottom maximum depth: 8

1st Replacement: Application rate: 1.2 Effective area beginning depth: 5.5 Bottom maximum depth: 8

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 6.6 Bottom maximum depth: 8

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Dana Bernard Date: 7-13-21

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

Date: May 12, 2021

To: Tony Ferrita : Fisher Collins and Carter Engineering, Inc.  
Via E-Mail: [tonyf@fcc-eng.com](mailto:tonyf@fcc-eng.com)

CC: Ted Ludicke  
Via E-Mail: [tludicke@yahoo.com](mailto:tludicke@yahoo.com)

RE: **Percolation Testing Report**  
**12710 Triadelphia Road**  
**Ellicott City, MD 21042**

Tony,

Percolation testing was conducted on the referenced property on May 5th, 2021. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for the existing lot.

A total of five (5) test holes evaluated and eight (5) were found to be satisfactory to establish a sewage disposal area for the existing lot. 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. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

If you have any questions or correspondence regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

*Dana Bernard*

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

Enclosures (2)  
File

**LEGEND**

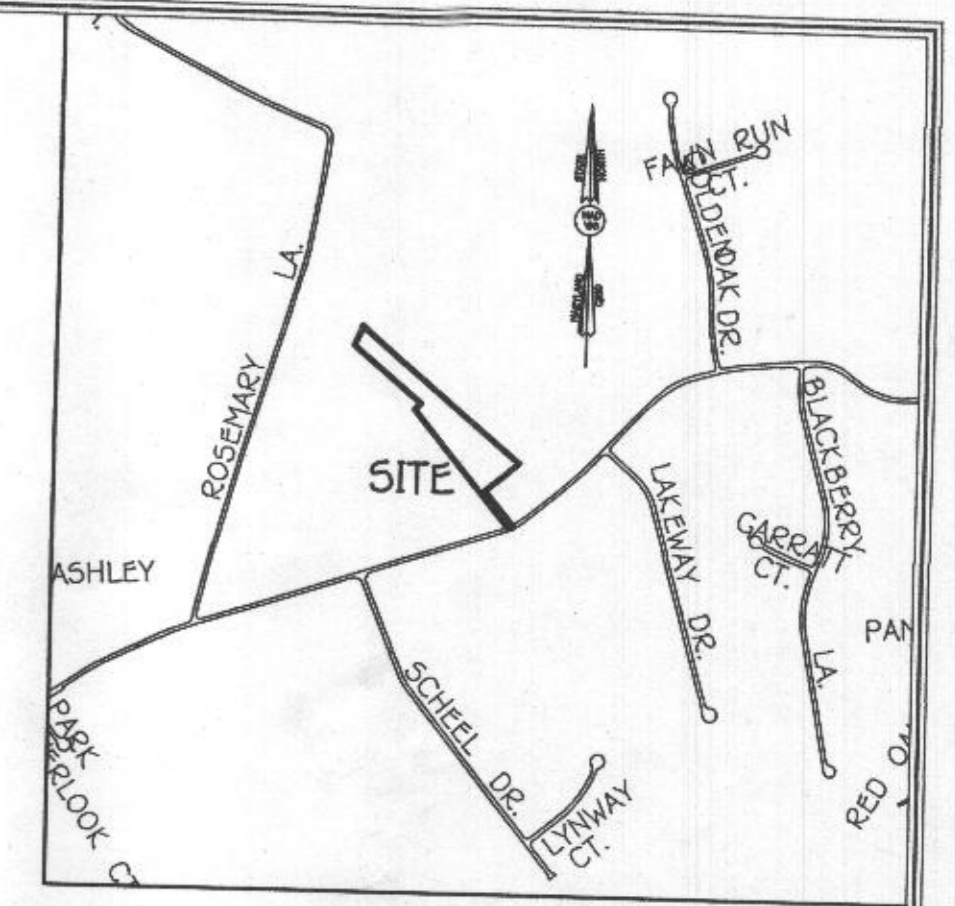
- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- ~~~~~ EXISTING TREE LINE
- GLSS SOIL LINES AND TYPES
- DENOTES PASSED PERC
- ⊙ DENOTES 1500 SQ.FT. ALTERNATE WELL SITE

**SOILS LEGEND**

SOIL	NAME	CLASS	'K' VALUE
GdD	Galla loam, 15 to 25 percent slopes	B	.55
GgA	Glenely loam, 0 to 3 percent slopes	B	.37
GgB	Glenely loam, 3 to 8 percent slopes	B	.37
GgC	Glenely loam, 8 to 15 percent slopes	B	.43
GmC	Glenville silt loam, 8 to 15 percent slopes	C	.43
MaB	Manor loam, 3 to 8 percent slopes	B	.28
MaD	Manor loam, 15 to 25 percent slopes	B	.32

**GENERAL NOTES:**

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE BASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE DISPOSAL AREA. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEWAGE DISPOSAL AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 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 AREA.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL AND FIELD RUN BY FISHER, COLLINS & CARTER, INC.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 3305 FOLIO 382.
- ODS PLAN MUST BE SUBMITTED AND APPROVED, SEPTIC PERMIT PULLED, NEW SYSTEM INSTALLED, AND PERMIT APPROVED PRIOR TO BE APPROVAL.



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

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

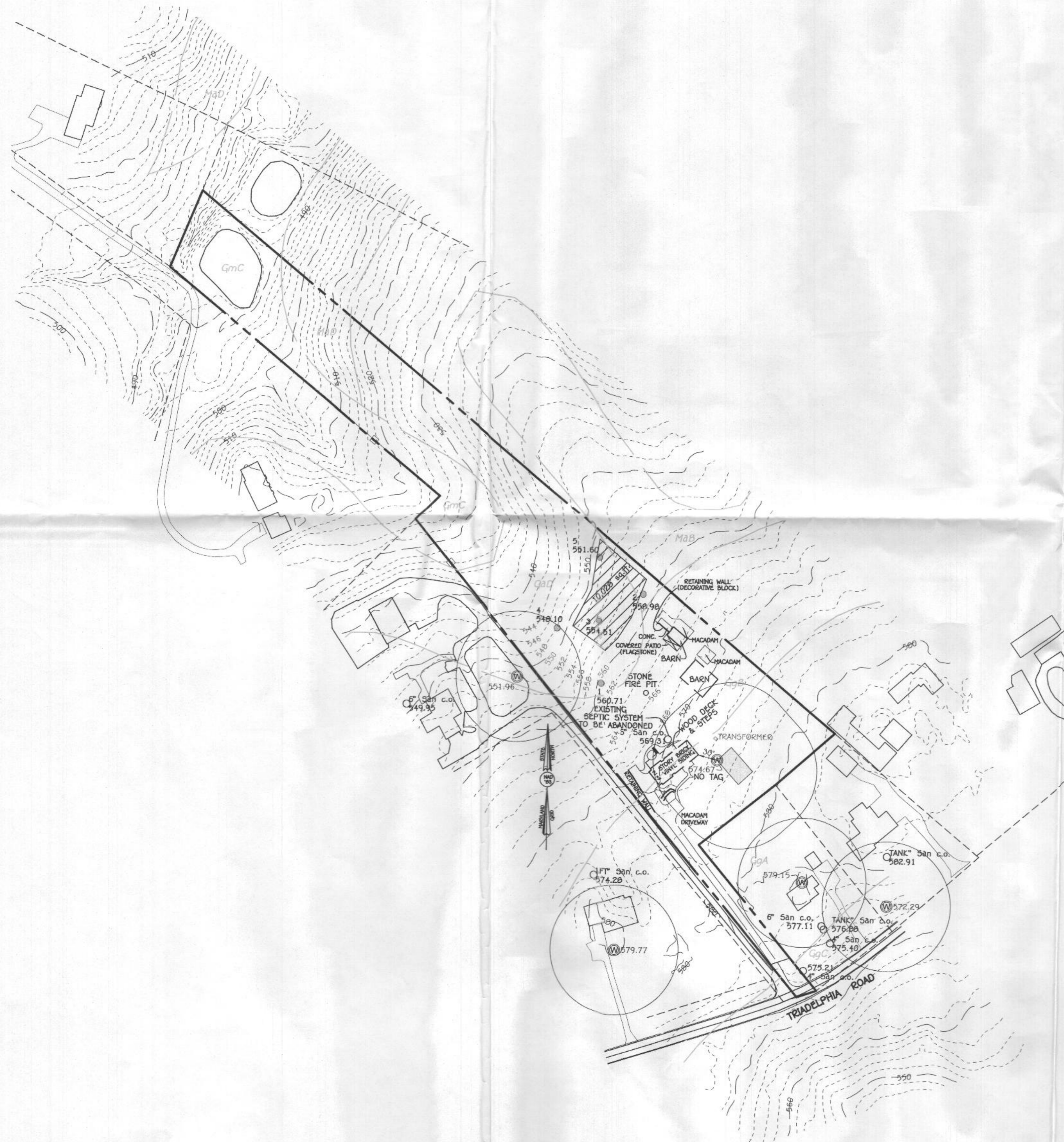
*Mark L. Robel*  
Signature of Property Line Surveyor  
Mark L. Robel, Property Line Surveyor No. 339 Expires 10/04/22

7/02/21  
Date

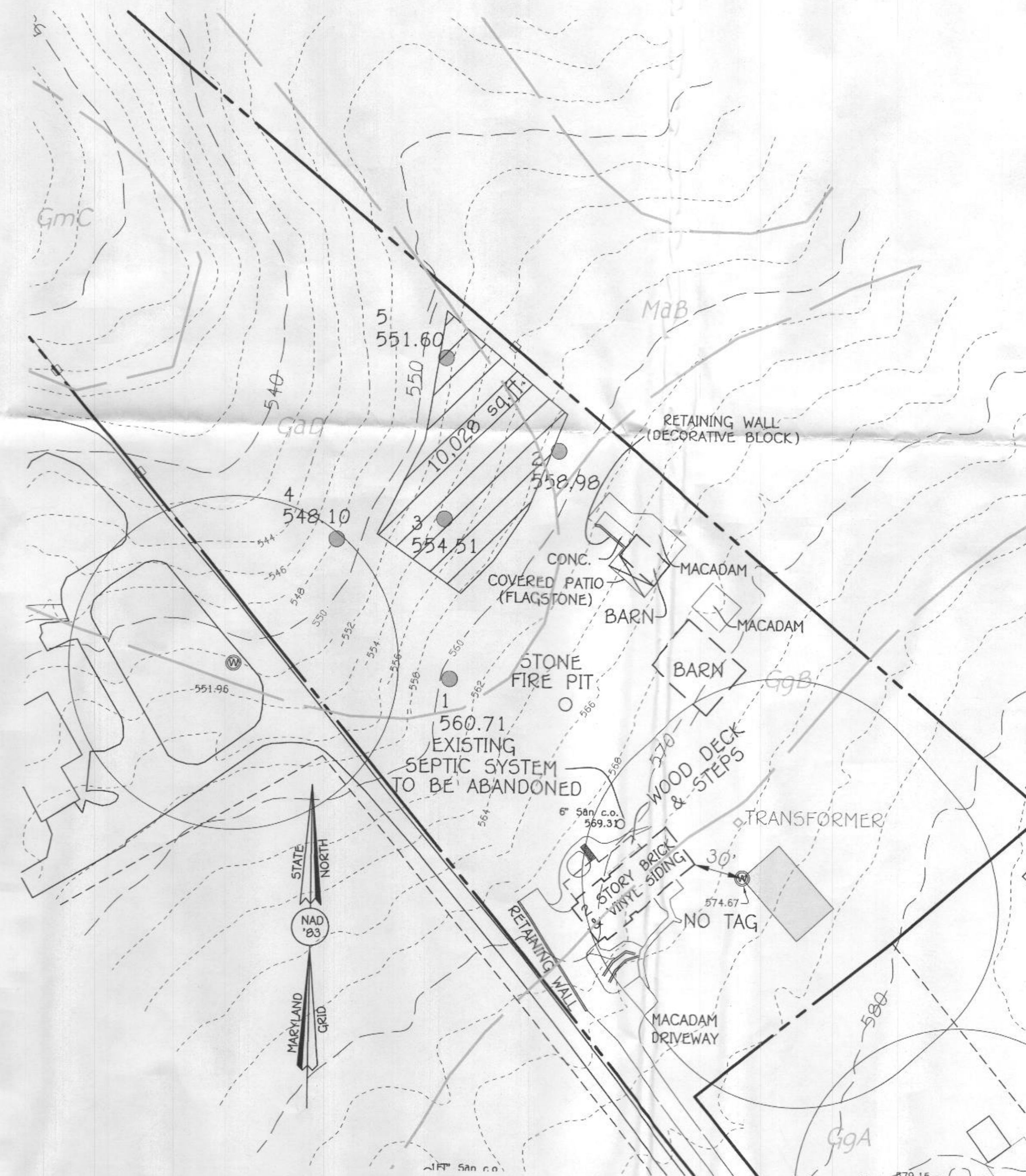
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*[Signature]*  
COUNTY HEALTH OFFICER

7/2/21  
DATE



**PLAN**  
SCALE 1"=100'



**DETAIL**  
SCALE 1"=50'

THE PURPOSE OF THIS PLAN IS TO CREATE A 10,000 SQ.FT SEPTIC AREA FOR A PROPOSED ADDITIONAL BEDROOM.

**PERC CERTIFICATION PLAN**  
**12710 TRIADELPHIA RD**

TAX MAP #22 GRID: 0004 PARCEL: 157  
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' DATE: JULY 2, 2021