

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: June 13, 2025

To: Kayla Verdadero & William Skowron
1676 Woodbine Rd.
Woodbine, MD 21797

Re: 1676 Woodbine Rd.
Woodbine, MD 21797
Percolation Test Report

Sent 6/13

Percolation tests were conducted at 1676 Woodbine Rd. (Tax Map 7, Parcel 125) on 5/21/2025. Tests and profile descriptions were documented for locations 1, 2 & 3. All three test locations 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 conditions. The area must be large enough to fit 2 replacement systems. The next step in the process is to have an engineer/consultant submit a finalized percolation certification plan to the Health Dept. for review and signature.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-6357 or by email rfreemon@howardcountymd.gov

Respectfully,

Robert Freemon
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

CONSUMER INFORMATION NOTES:

- 1). This drawing is a benefit to a consumer only insofar as it may be required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or re-financing;
- 2). This drawing is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements;
- 3). This drawing does not provide for the accurate identification of property boundary lines, but such identification may not be required for transfer of title or securing financing or refinancing.
- 4). The level of accuracy and accuracy of apparent setback distances is six feet, more or less.
- 5). THIS LOCATION DRAWING IS NOT TO BE USED IN CONNECTION WITH ANY TYPE OF PERMIT APPLICATION.
- 6). This location drawing was prepared without the benefit of a title report.

N/F
R.B. Bell
L.17639 F.498

N 51°05' E 11.5'

Deed 17000/157 North

LIBER 17000
FOLIO 157

N/F
Bowman Family
L.06376 F.391

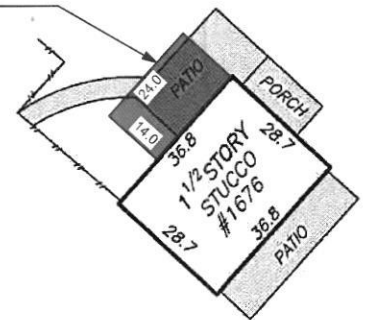
Passing
RCS

LEGEND

G	Gate
Wood/Vinyl Fence	— — — —
Wire Fence	— x — x —
Conc. Area	■
Asphalt Area	■

Proposed Addition

N/F
Richard Bowman
L.5449 F.21



DETAIL

SCALE: 1"=40'



LOCATION DRAWING
1676 Woodbine Road
LIBER 17000 FOLIO 157
HOWARD COUNTY, MARYLAND

SURVEYOR'S CERTIFICATE

This location drawing and the surveying work reflected in it were prepared by the surveyor or the surveyor was in responsible charge over its preparation, all in compliance with requirements set forth in COMAR Regulation 09.13.06.12.

F. Alimo 10/12/2024
By: Fred Alimo Date
MD Professional Land Surveyor #21382
Expires 02-03-2026

REFERENCES

PLAT BK. 17000
PLAT NO. 157

LIBER
FOLIO

ALIMO & ASSOCIATES LLC

LAND SURVEYORS
404 Blue Flax Place
Gaithersburg, MD 20878
Tele.: (240) 888-7631 fred@alimoassociates.com

DATE OF LOCATIONS	SCALE: 1"=80'
WALL CHECK:	DRAWN BY: F.A.
HSE. LOC.: 10-12-2024	JOB NO.: 2024-075



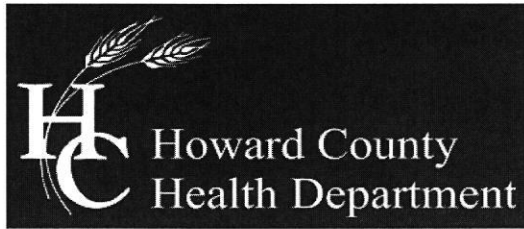
6/6/2026



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SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 1676 Woodbine Rd.

Subdivision: _____ Lot: _____

Per #1	Existing	Initial system:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>5</u>	Bottom maximum depth: <u>9</u>
Per #2	1 st Replacement:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>5</u>	Bottom maximum depth: <u>8</u>	
Per #2 & 3	2 nd Replacement:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>5</u>	Bottom maximum depth: <u>8</u>	

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:

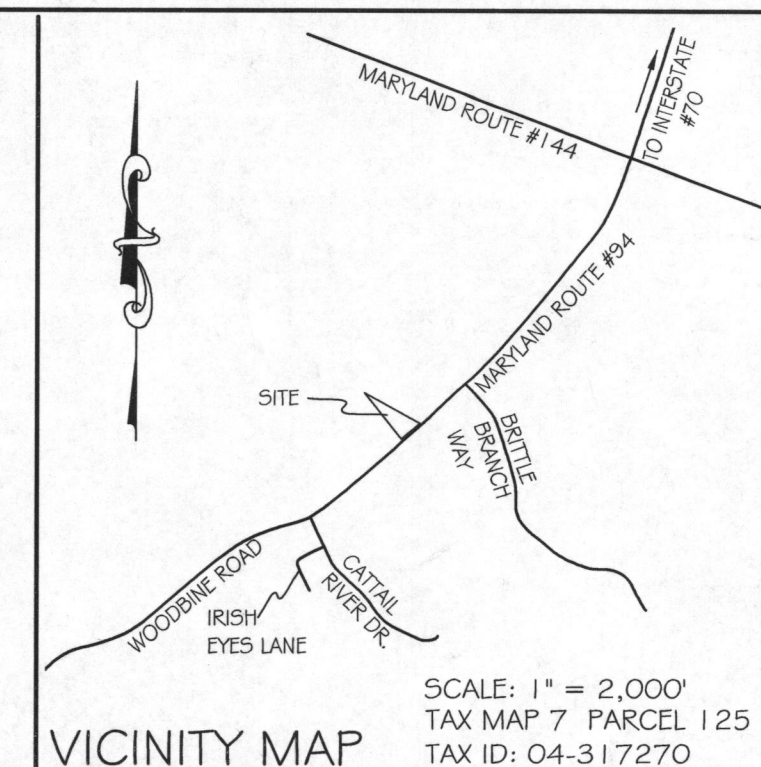
$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
- 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: RSF Date: 6/10/2025



GENERAL NOTES:

1. OWNERS: KAYLA M. & WILLIAM A. SKOWRON, ET AL
DEED REFERENCE LIBER 17000 FOLIO 157
DATE JULY 16, 2016
GRANTOR THOMAS TWIGG
2. TAX MAP: 7 GRID: 17 PARCEL: 125
3. THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 2402720065D EFFECTIVE ON 11/6/2013.
4. TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
5. THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83/91) PER HOWARD COUNTY SURVEY CONTROL STATIONS 07FA & 07FB.
6. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARY AND 200' DRAINAGE GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
6. SOIL TYPE: GLENELG (GgA) (GgB) SOIL WEB SURVEY MAP
7. ZONING DISTRICT: RC-DEO
8. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
9. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL PLAN WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN
10. MDE HAS APPROVED THE REPLACEMENT SEPTIC TANK TO BE WITHIN 100 FT. OF THE EX. WEL#1

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 PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECODIFICATION OF A REVISED SEWAGE AREA SHALL NOT BE NECESSARY.

(P/ASSED) PERCOLATION TEST SITE: 

EX. WELL SITE: 

THE PURPOSE OF THIS PERCOLATION TEST PLAN IS TO ESTABLISH AN ONSITE SEWAGE DISPOSAL AREA FOR THE SKOWRON PROPERTY L. 17000 F.157 FOR ADDITION TO THE EX. HOUSE BUILDING PERMIT No. B25000993

OWNERS:
KAYLA SKOWRON, ET AL
1676 WOODBINE ROAD
WOODBINE, MD. 21797

PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-27.

DATE	REVISIONS
08/08/25	HD COMMENTS

PERCOLATION CERTIFICATION PLAN
LOT 43 SECTION 3
SKOWRON PROPERTY
L. 17000 F. 157
1676 WOODBINE ROAD
ELECTION DISTRICT NO. 4
HOWARD COUNTY, MARYLAND

TAX MAP: 7
GRID NO: 17
PARCEL NO: 125

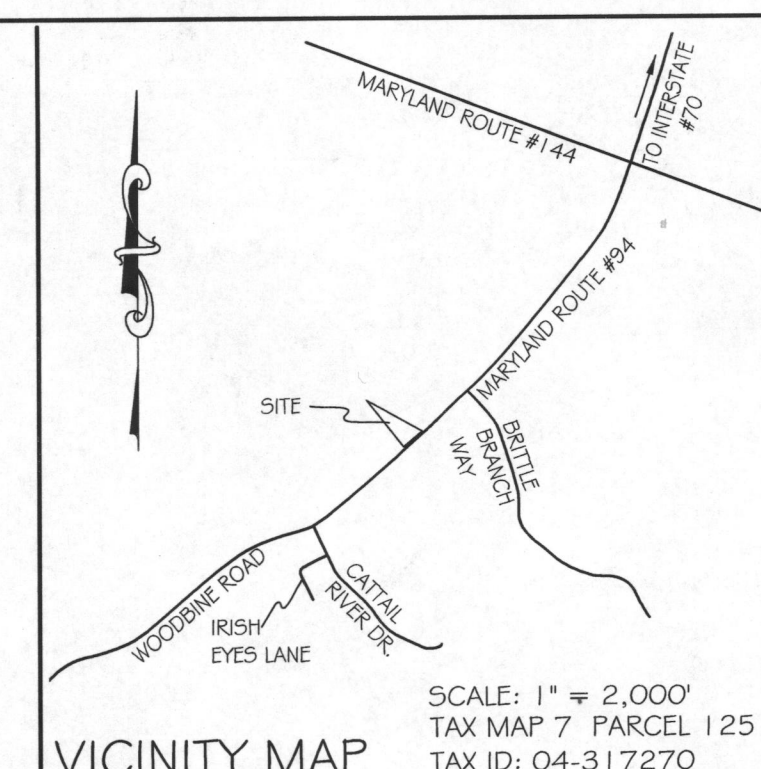
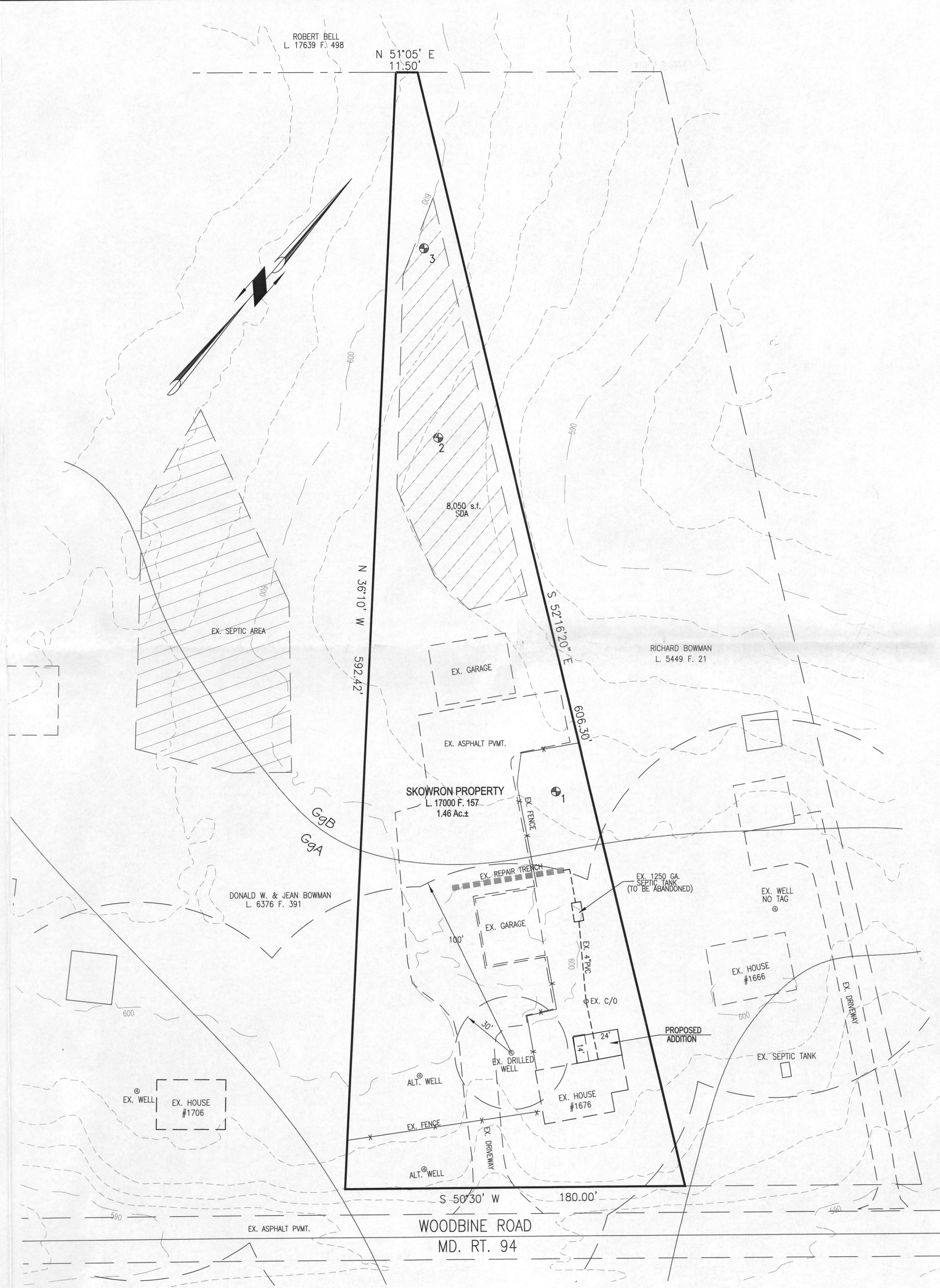
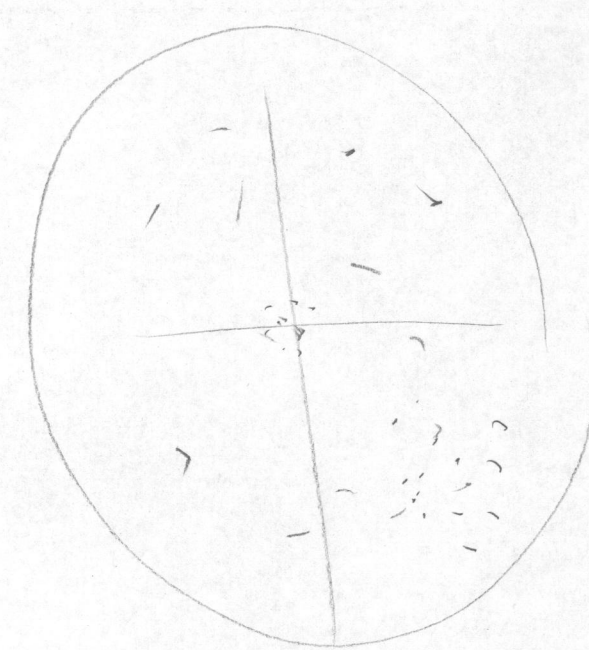
ELECTION DISTRICT: No. 4
HOWARD COUNTY, MARYLAND
EX. ZONING: RC-DEO

SCALE: 1" = 30'
DATE: JULY, 2025
SHEET 1 OF 1



APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER *RJE* DATE 8/20/20



- GENERAL NOTES:
- OWNERS: KAYLA M. & WILLIAM A. SKOWRON, ET AL
DEED REFERENCE: LIBER 17000 FOLIO 157
DATE: JULY 16, 2016
GRANTOR: THOMAS TWIGG
 - TAX MAP: 7 GRID: 17 PARCEL: 125
 - THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 2402700065D EFFECTIVE ON 11/16/2013.
 - TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
 - THE BASIS OF BEARINGS FOR THIS PLAN IS THE MARYLAND COORDINATE SYSTEM (NAD83/91) PER HOWARD COUNTY SURVEY CONTROL STATIONS 07FA & 07FB.
 - ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARY AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
 - SOIL TYPE: GLENELG (GgA) (GgB) SOIL WEB SURVEY MAP
 - ZONING DISTRICT: RC-DEO
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THE PURPOSE OF THIS PERCOLATION TEST PLAN IS TO ESTABLISH AN ONSITE SEWAGE DISPOSAL AREA FOR THE SKOWRON PROPERTY L. 17000 F.157 FOR ADDITION TO THE EX. HOUSE BUILDING PERMIT No. B25000993

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

DATE: 8/20/25

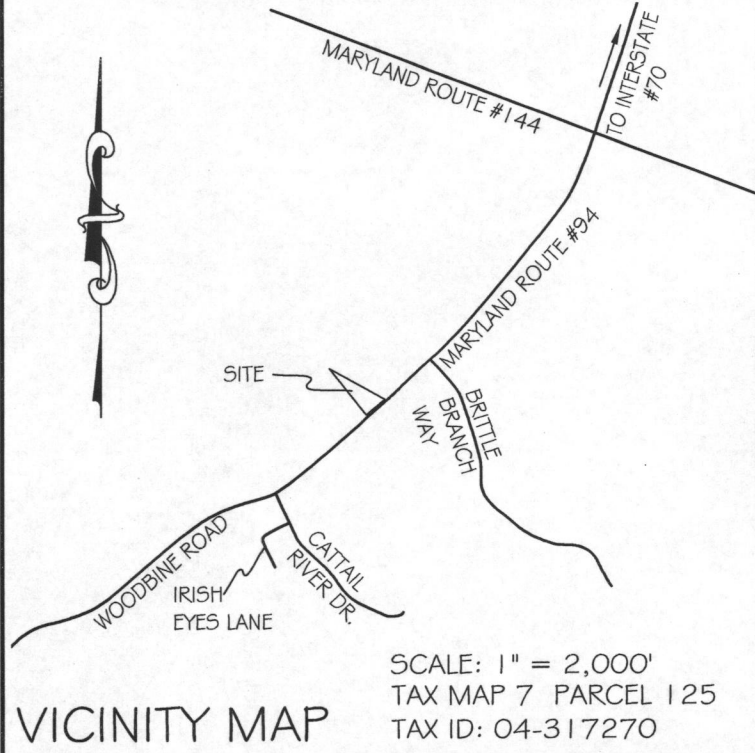
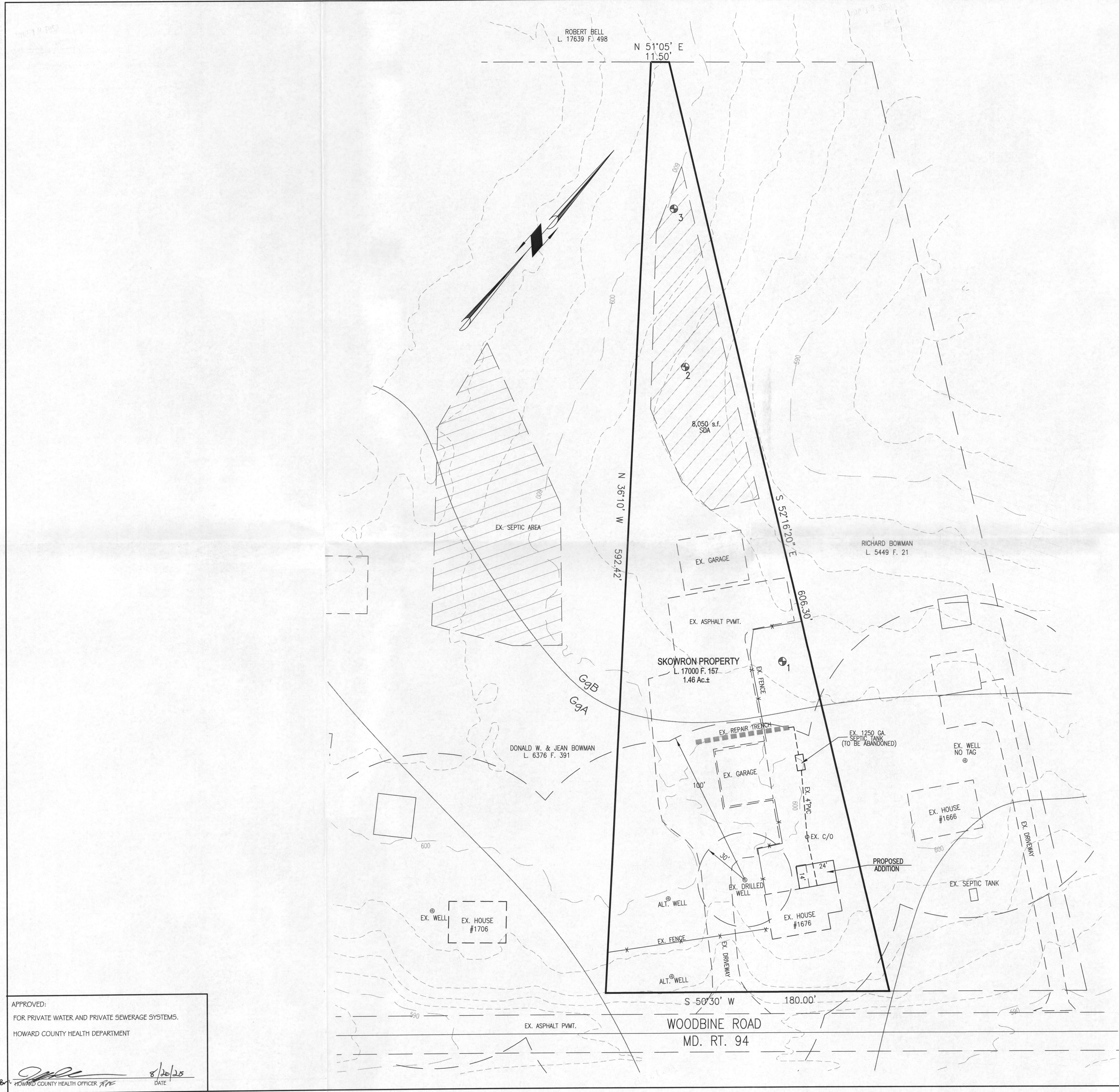
PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-27.

DATE: 08/08/25
REVISIONS: NO COMMENTS

Digital Signature
by Thomas Twigg
Date: 2025.08.11
13:09:57 NA 0400

PERCOLATION CERTIFICATION PLAN LOT 43 SECTION 3 SKOWRON PROPERTY L. 17000 F. 157 1676 WOODBINE ROAD ELECTION DISTRICT NO. 4 HOWARD COUNTY, MARYLAND		
TAX MAP: 7 GRID NO: 17 PARCEL NO: 125	ELECTION DISTRICT: No. 4 HOWARD COUNTY, MARYLAND EX. ZONING: RC-DEO	SCALE: 1" = 30' DATE: JULY, 2025 SHEET 1 OF 1
 VANMAR ASSOCIATES, INC. Engineers Surveyors Planners 310 South Main Street Mount Airy, Maryland 21771 (301) 829-2890 (301) 831-5015 (410) 549-2751 Fax (301) 831-5603 © Copyright, Latest Date Shown		

OWNERS:
KAYLA SKOWRON, ET AL
1676 WOODBINE ROAD
WOODBINE, MD. 21797



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HOWARD COUNTY HEALTH DEPARTMENT

DATE: 8/20/25