

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

RECEIVED

FEB 15 2018

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

HOWARD COUNTY HEALTH DEPT. BUREAU OF ENVIRONMENTAL HEALTH

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Bryd Manor

PROPERTY ADDRESS 14052 Gared Drive, Glenelg, MD 21737

TAX ACCOUNT # 03-313646 TAX MAP 15 GRID 19 PARCEL 19 LOT NO. 3 PROPOSED LOT SIZE (ACRES) 4.166 acres ZONING CATEGORY RR-DEO TIER N/A

PROPERTY OWNER(S) Eldon L. Yoder & Olga Yoder

DAYTIME PHONE 240-444-3583 CELL 240-444-3583 EMAIL eldonyoder66@gmail.com

MAILING ADDRESS 3440 Oakhurst Drive, Burtonsville, MD 20886

APPLICANT Lance Sklar

RELATIONSHIP TO OWNER: Contract Purchaser

DAYTIME PHONE 410-591-8980 CELL 410-591-8980 EMAIL L.Sklar@gmail.com

MAILING ADDRESS 26 Logan Drive, New Freedom, PA 17349

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 4.5 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.

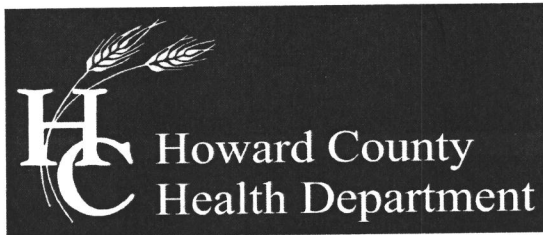
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Lance Sklar

02/13/2018

SIGNATURE OF APPLICANT

DATE



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

Date: March 22, 2018

To: Eldon L. Yoder & Olga Yoder
14052 Gared Drive
Glenelg, MD 21737

Re: Percolation Test Report
14052 Gared Drive
Glenelg, MD 21737

Percolation tests were conducted at 14052 Gared Drive (Tax Map 15, Parcel 19) on March 16th & 18th 2018. Tests and profile descriptions were documented for locations A-1, A-2, A-3, A-4 and A-5. All four test holes passed (A-1, A-2, A-3, A-4 and A-5). All holes must be field located and accurately represented on the perc certification plan.

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 large enough to accommodate 3 systems (initial & two replacements) or two systems (initial & one replacement) with a Best Available Technology Unit (BAT). If two systems will only fit with unequal length trenches a Low Pressure Dosing (LPD) system with a BAT unit will be required.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the sewage disposal area.

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,

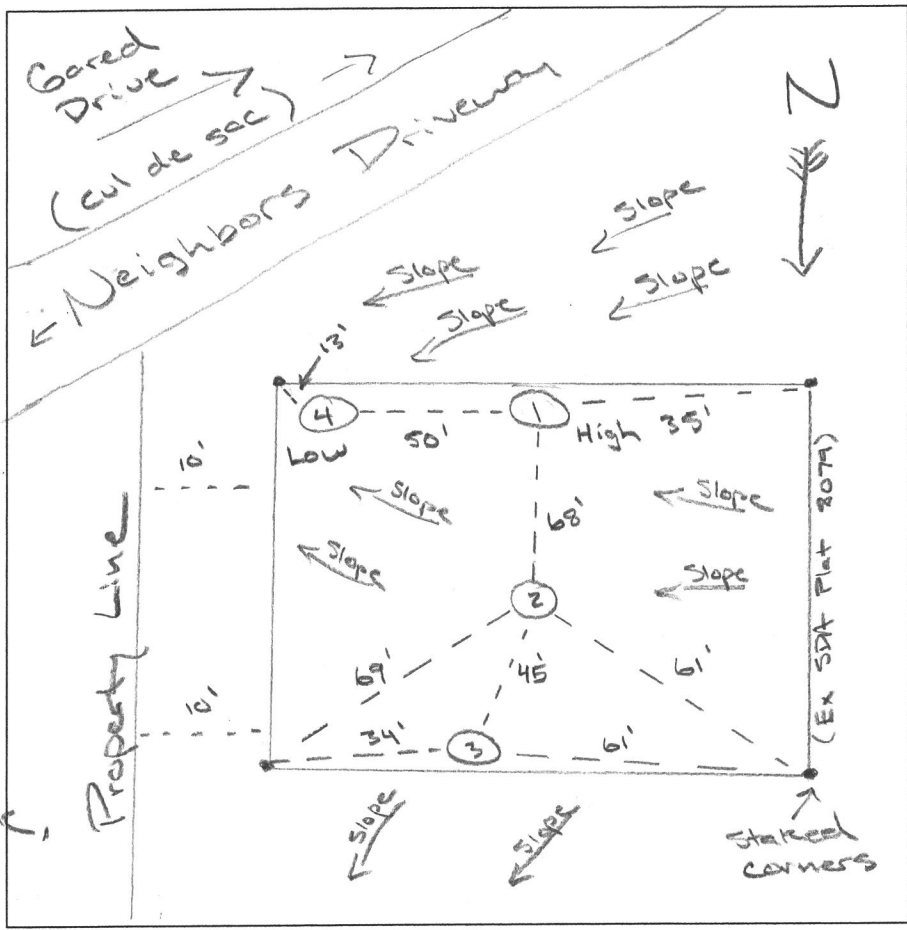
A handwritten signature in black ink, appearing to read 'Robert Freemon', is written over a light blue horizontal line.

Robert Freemon
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

AVP 62445

4



Same as
3

1
SB, 2FSBK, L
SB, OM, SL
1.5'
SB, OM, LS,
Very Fricke
12'

2
SB, FSBK, L
1.5'
SB, YB, 2MSBK,
FSL to LS
12'

3
SB, FSBK, L
2'
SB, YB,
FSBK, FSL
2.4'
YB, 1FSBK,
LS, 1-5%
Cobble
12'

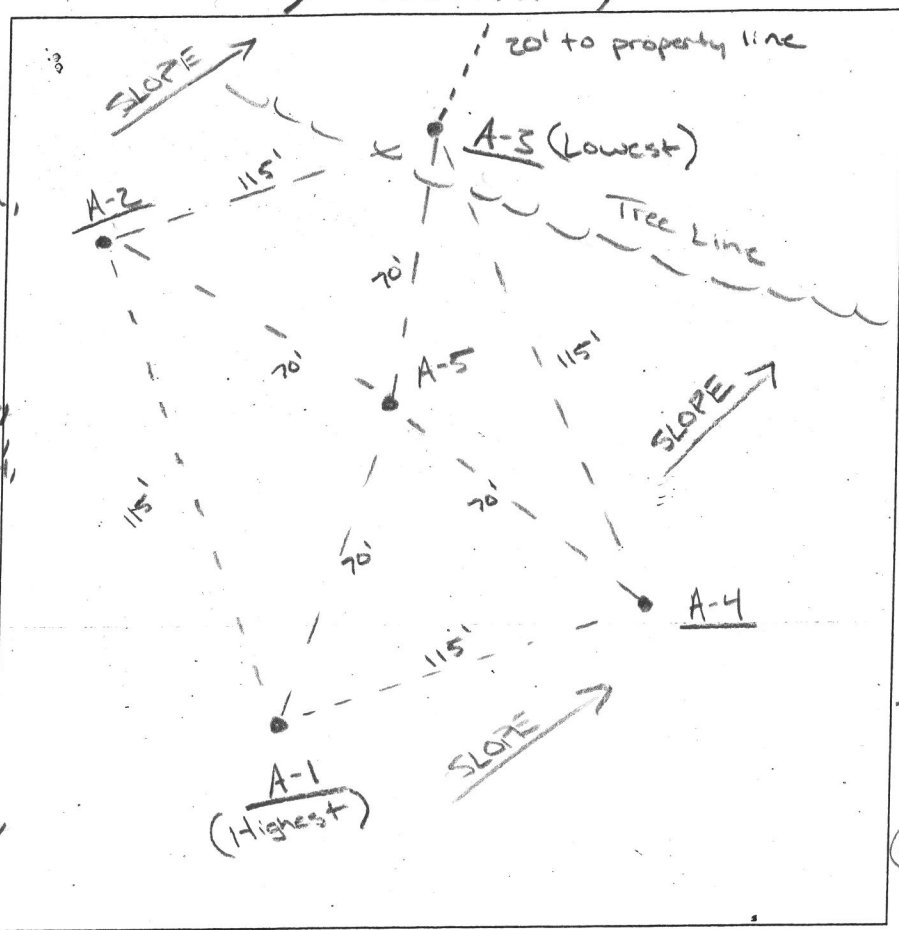
| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|-------------|--------|------------------|-----------------|---------------------|-------|
| 9/26/18 | 1 | 6' 12' | 9:53 | 9:55 | 10:00 | 5 | P |
| | 2 | 3.9' 12' | 10:55 | 11:00 | 11:07 | 7 | P |
| | 3 | 3.8' 12' | 11:33 | 11:37 | 11:47 | 10 | P |
| | 4 | 12' | VISUAL | | | | P |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS Confirmatory testing of SDA on Plat 2079.
 SANITARIAN RSF BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

(Byrd Manor Sub)

AP 62445

NORTH



A-2

1.5' DB Loam
Strong Brown, SCL, 2 FSBK,
4' Yellowish Red, SL, Thin Platy, Many Fine Mica, Hard
6' Yellowish Red, LS, Platy, Many Fine Mica
13.8'

A-1

1' PB Loam to Yellowish Brown Loam
2' Yellowish Red, Yellowish Brown, FSL, 2MSTR, Hard
5' Yellowish Red, Yellowish Brown, FSL, Thick Platy
↓
14' LS

A-3

7" DB Loam
Yellow Brown, Strong Brown, 2MSTR
3' Yellowish Red, FSL, Thick Platy, Many Fine Mica
6' Yellowish Brown, Strong Brown, SL, Thin Platy, Fine Mica
8' Strong Brown, LS, Many Fine Mica
13.5'

A-4

1.4' DB Loam, Thick Platy, to Yellowish Brown Loam
1.4' Reddish Yellow, CL, Thin Platy, Firm
3.8' Strong Brown, SCL, Thin Platy, Many Fine Mica, Friable
5' Reddish Yellow, SL, Thin Platy, Many Fine Mica
10' Greyish Brown, Pinkish White, LS, Thin Platy, Many Fine Mica
13.8'

A-5

2" DB Loam
2' Strong Brown, CL, 2 FSBK, Few Fine Mica
2' Strong Brown, SCL, Thin Platy
4' Red Yellowish Red, VFSL Thin Platy, Hard
6' Brownish Yellow, Yellow, LPS, Thin Platy
14'

Gared Drive

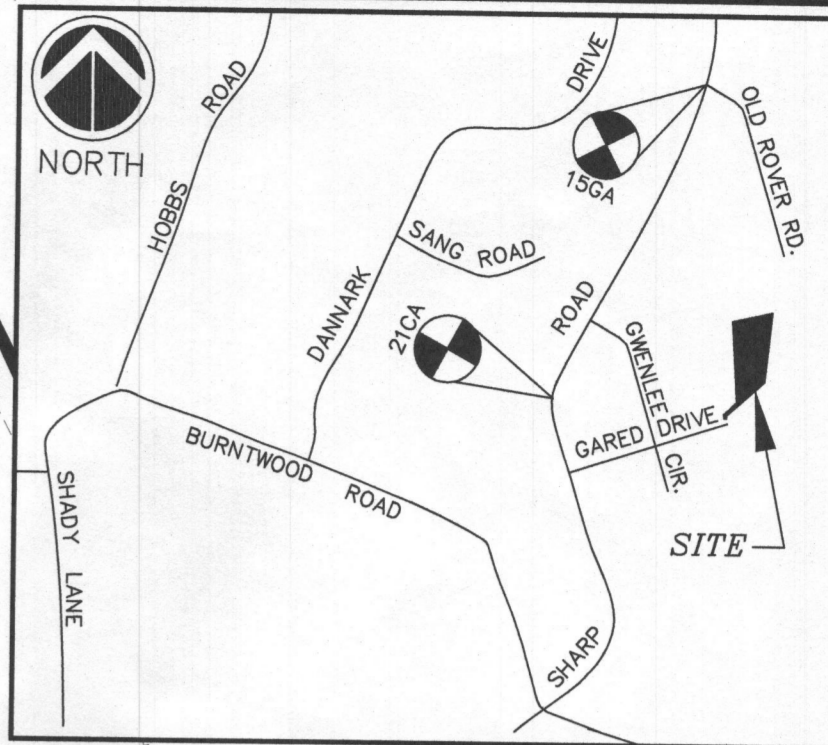
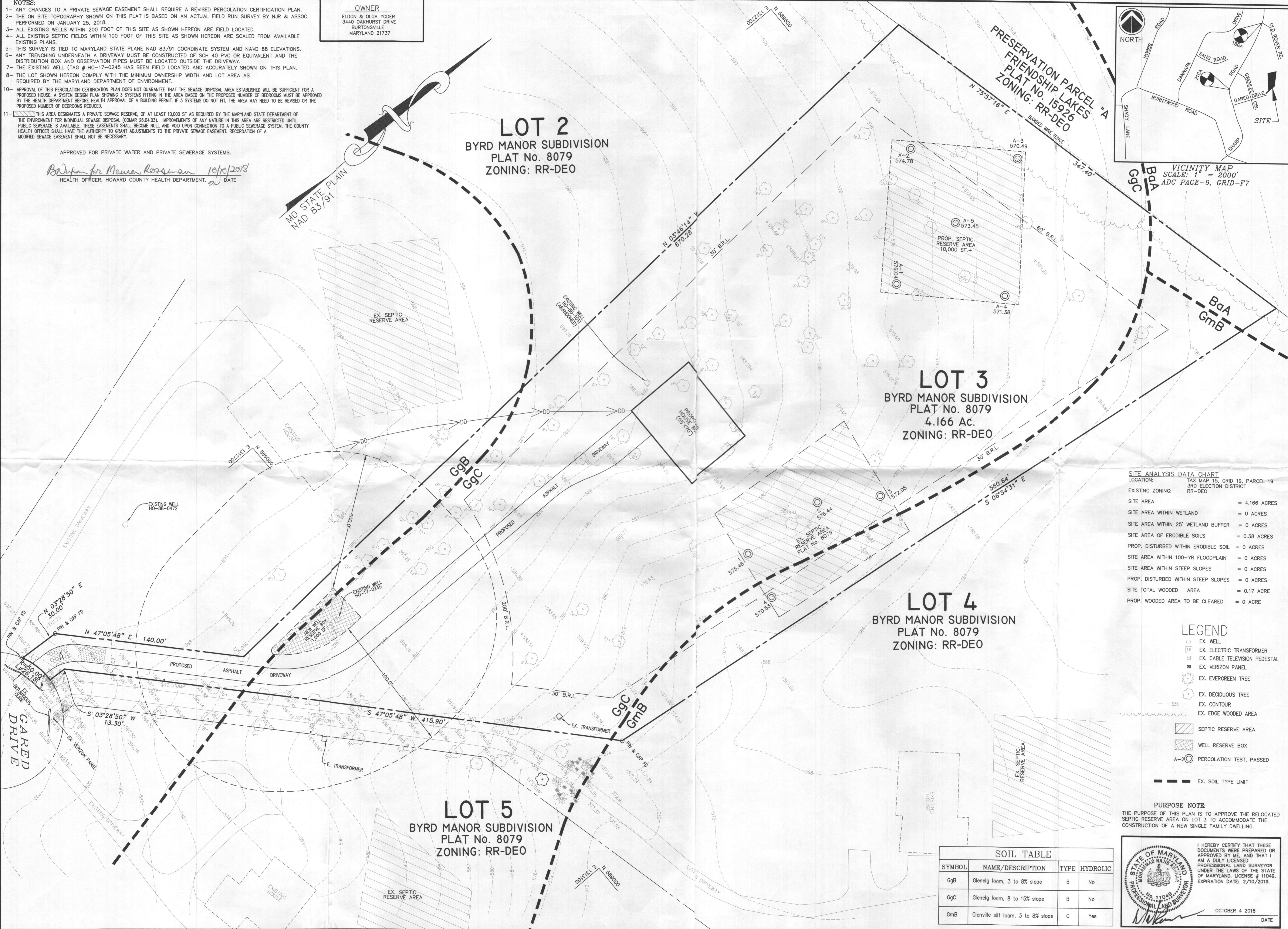
| DATE | TEST # | DEPTH | START | BREAK 1' DROP | STOP 2' DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|------------|---------------------|---------------------|---------------------|------------------|-------|
| 3/16/18 | A-3 | 5.5 / 13.5 | 8:41 ₀₀ | 9:00 ₀₀ | 9:50 ₀₀ | SLOW | F |
| | A-3 | 6.7 / RS | 10:00 ₀₀ | 10:03 ₀₀ | 10:07 ₀₀ | 4 | P |
| | A-4 | 6 / 13.8 | 10:10 ₀₀ | 10:14 ₀₀ | 10:20 ₀₀ | 6 | P |
| | A-5 | 6.2 / 14 | 10:30 ₀₀ | 10:39 ₀₀ | 10:56 ₀₀ | 17 | P |
| | A-2 | 5 / 13.8 | 11:25 ₀₀ | 11:28 ₀₀ | 11:38 ₀₀ | 10 | P |
| 3/19/18 | A-1 | 5 / 14 | 7:29 ₀₀ | 7:32 ₀₀ | 7:38 ₀₀ | 6 | P |

REMARKS Backhoe hose broke prior to last hole being dug.
 SANITARIAN RSF BACKHOE Jim Reise OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

- NOTES:**
- 1- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 2- THE ON SITE TOPOGRAPHY SHOWN ON THIS PLAT IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOC. PERFORMED ON JANUARY 25, 2018.
 - 3- ALL EXISTING WELLS WITHIN 200 FOOT OF THIS SITE AS SHOWN HEREON ARE FIELD LOCATED.
 - 4- ALL EXISTING SEPTIC FIELDS WITHIN 100 FOOT OF THIS SITE AS SHOWN HEREON ARE SCALED FROM AVAILABLE EXISTING PLANS.
 - 5- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM AND NAVD 88 ELEVATIONS.
 - 6- ANY TRENCHING UNDERNEATH A DRIVEWAY MUST BE CONSTRUCTED OF SCH 40 PVC OR EQUIVALENT AND THE DISTRIBUTION BOX AND OBSERVATION PIPES MUST BE LOCATED OUTSIDE THE DRIVEWAY.
 - 7- THE EXISTING WELL (TAG # HO-17-0245 HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
 - 8- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - 10- APPROVAL OF THIS PERCOLATION CERTIFICATION PLAN DOES NOT GUARANTEE THAT THE SEWAGE DISPOSAL AREA ESTABLISHED WILL BE SUFFICIENT FOR A PROPOSED HOUSE. A SYSTEM DESIGN PLAN SHOWING 3 SYSTEMS FITTING IN THE AREA BASED ON THE PROPOSED NUMBER OF BEDROOMS MUST BE APPROVED BY THE HEALTH DEPARTMENT BEFORE HEALTH APPROVAL OF A BUILDING PERMIT. IF 3 SYSTEMS DO NOT FIT, THE AREA MAY NEED TO BE REVISED OR THE PROPOSED NUMBER OF BEDROOMS REDUCED.
 - 11- THIS AREA DESIGNATES A PRIVATE SEWAGE RESERVE, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

OWNER
 ELDON & OLGA YODER
 3440 OAKHURST DRIVE
 BURTONSVILLE
 MARYLAND 21737

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.
Barbara Moore Roseman 10/10/2018
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE



VICINITY MAP
 SCALE: 1" = 2000'
 ADC PAGE-9, GRID-F7

SITE ANALYSIS DATA CHART

LOCATION: TAX MAP 15, GRID 19, PARCEL 19
 3RD ELECTION DISTRICT

EXISTING ZONING: RR-DEO

| | |
|--------------------------------------|---------------|
| SITE AREA | = 4.166 ACRES |
| SITE AREA WITHIN WETLAND | = 0 ACRES |
| SITE AREA WITHIN 25' WETLAND BUFFER | = 0 ACRES |
| SITE AREA OF ERODIBLE SOILS | = 0.38 ACRES |
| PROP. DISTURBED WITHIN ERODIBLE SOIL | = 0 ACRES |
| SITE AREA WITHIN 100-YR FLOODPLAIN | = 0 ACRES |
| SITE AREA WITHIN STEEP SLOPES | = 0 ACRES |
| PROP. DISTURBED WITHIN STEEP SLOPES | = 0 ACRES |
| SITE TOTAL WOODED AREA | = 0.17 ACRE |
| PROP. WOODED AREA TO BE CLEARED | = 0 ACRE |

LEGEND

- EX. WELL
- ⊕ EX. ELECTRIC TRANSFORMER
- ⊕ EX. CABLE TELEVISION PEDESTAL
- ⊕ EX. VERIZON PANEL
- ⊕ EX. EVERGREEN TREE
- EX. DECIDUOUS TREE
- - - EX. CONTOUR
- EX. EDGE WOODED AREA
- ▨ SEPTIC RESERVE AREA
- ▨ WELL RESERVE BOX
- A-2 ○ PERCOLATION TEST, PASSED
- - - EX. SOIL TYPE LIMIT

PURPOSE NOTE:
 THE PURPOSE OF THIS PLAN IS TO APPROVE THE RELOCATED SEPTIC RESERVE AREA ON LOT 3 TO ACCOMMODATE THE CONSTRUCTION OF A NEW SINGLE FAMILY DWELLING.

SOIL TABLE

| SYMBOL | NAME/DESCRIPTION | TYPE | HYDROLIC |
|--------|------------------------------------|------|----------|
| GgB | Glenelg loam, 3 to 8% slope | B | No |
| GgC | Glenelg loam, 8 to 15% slope | B | No |
| GmB | Glenville silt loam, 3 to 8% slope | C | Yes |

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2019.

W. K. ...
 PROFESSIONAL LAND SURVEYOR
 No. 11049
 OCTOBER 4 2018
 DATE

BYRD MANOR SUBDIVISION
LOT 3
 PLAT NUMBER 8079
 TAX MAP 15, GRID 19, PARCEL 19
 GARED DRIVE
 GLENELG, MD 21737
 3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 38
 WEST FRIENDSHIP, MD 21794
 TEL: (240) 508-3600

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |

GRAPHIC SCALE 1"=30'

DATE: JAN. 28, 2018
 JOB NUMBER: 3454
 FILE NUMBER: 3454-SITE
 PLOTTED: OCT. 4, 2018
 DRAWN BY: NR
PERCOLATION CERTIFICATION PLAN
 SHEET 1 OF 2