



Bureau of Environmental Health
 8930 Stanford Blvd | Columbia, MD 21045
 410.313.2640 - Voice/Relay
 410.313.2648 - Fax
 1.866.313.6300 - Toll Free

565-537

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

**APPLICATION
 FOR PERCOLATION TESTING AND SITE EVALUATION**

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME CISEL FARM lot 19 Section 3
 PROPERTY ADDRESS Deer Valley Road
STREET TOWN ZIP
 TAX ACCOUNT # 053164159 TAX MAP 40 GRID _____ PARCEL 235 LOT NO. 19 PROPOSED LOT SIZE (ACRES) _____
 ZONING CATEGORY RR-DFO TIER III

PROPERTY OWNER(S)

Jelome M Rappel, Trustee
 DAYTIME PHONE 410-598-0515 CELL _____ EMAIL Nkasemeyer@gmail.com
 MAILING ADDRESS 10440 Little Patuxent Pkwy Suite 100 Columbia MD 21044
STREET CITY, STATE ZIP

APPLICANT

Nancy Kasemeyer RELATIONSHIP TO OWNER: Agent
 DAYTIME PHONE 410-598-0515 CELL 410-730-6100 EMAIL Nkasemeyer@gmail.com
 MAILING ADDRESS 10440 Little Patuxent Pkwy Suite 100 Columbia MD 21044
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 unknown 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.

Nancy Kasemeyer 6/27/18
SIGNATURE OF APPLICANT DATE

Call to

Signature
5-14-19

Schedule

7-30-19

Spoke
w/

called

Home
Business

 **CVS** caremark®

Crossed Farm lot 19

LV 110-598-0515

LV 110-598-0515

LV 110-598-0515

Nancy C. [unclear]

A/P

201

Red Brown
yellow
SCL 1'
Shall
Platy
massive
Deposits
Sh
5-10% Rk 3.5
Red Brown
yellow
SL

203

204

205

202

200

201

200

Red Brown
yellow
SCL
Platy
5-10% Rk 3.8
Red Brown
yellow
Sh
many mica
5-10% Rk 4.12

Deer Valley Road Tax Map 40 Parcel 235 Lot # 19

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8-14-19	201	4.0 / 12	11:03	11:09	11:15	6min	P
8-14-19	202	4.2 / 12	11:38	11:47	12:05	18min	P
8-14-19	204	3.5 / 10	12:00	12:15	12:18	13min	P
8-14-19	200	4.3 / 12	12:25	12:35	12:48	13min	P
8-14-19	203	2'	75% Rock				F
8-14-19	205	4.0 / 10	12:50	1:00	1:15	15min	P

#203
Red
Brown
yellow
SCL
7
50%
Rk
V 2'

204
Red Brown
yellow
SCL
Shale
Platy 3.5
Red Brown
yellow
SL
many mica
5-10%
Rk 10'

205
Red Brown
yellow
SL
Shale Platy 4.0
Red Brown
yellow
SL
many mica
5-10%
Rk 10

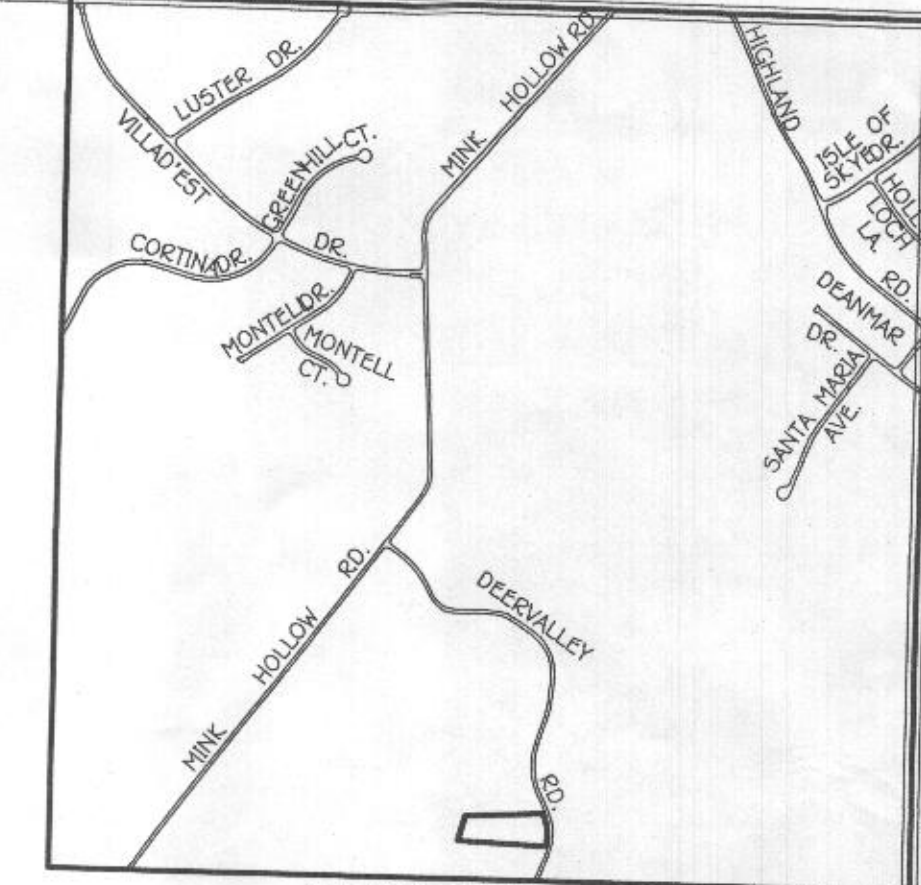
REMARKS D Bernard

SANITARIAN BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA Cannot use 203 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH in SDA MAX. BOT DEPTH _____ EFFECTIVE SW _____

202
Red Brown
yellow
SCL
1.5
Red Brown
yellow
SCL
Platy
hard 3.8
Red Brown
yellow
SL
many mica
V 12'

SOILS LEGEND

SOIL	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes
MaB	Manor loam, 3 to 8 percent slopes
MaC	Manor loam, 8 to 15 percent slopes



LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊙ DENOTES EXISTING WELLS
- ⊙ DENOTES PASSED PERC
- ⊙ DENOTES PROPOSED WELL

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS HEALTH OFFICER, HOWARD COUNTY HEALTH, DEPT. DATE 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 A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT 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.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM FISHER, COLLINS & CARTER, INC. JUNE 24, 2020
- BOUNDARY OUTLINE BASED ON A FIELD SURVEY BY FISHER, COLLINS & CARTER, INC. JUNE 24, 2020.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
- DEED REFERENCE LIBER 19675 FOLIO 236
- WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL

PERC CERTIFICATION
 I certify that the locations shown herein are 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

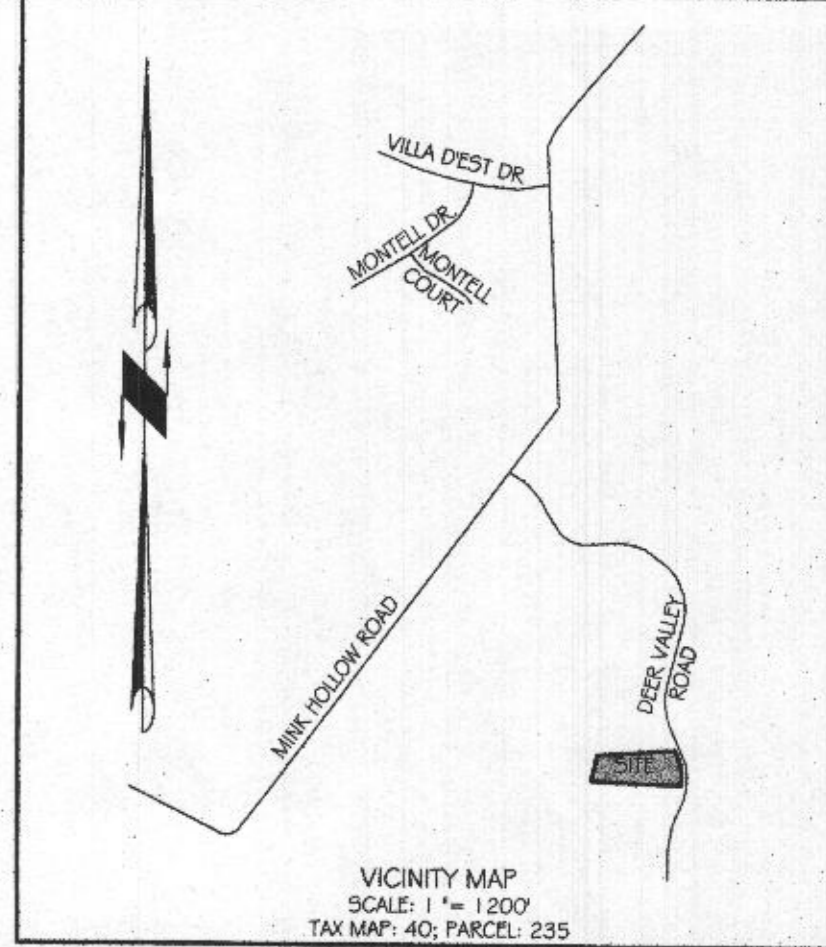
1/22/21
 Date
 10/04/22

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

COUNTY HEALTH OFFICER *[Signature]* DATE

PERC RECERTIFICATION PLAT
CISSEL FARM ESTATES
 SECTION 3
 LOT 19
 DEER VALLEY ROAD
 TAX MAP NO.: 40 GRID NO.: 03 PARCEL NO.:235
 ZONED RR-DEO
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=30' DATE: DECEMBER 15, 2020

THE PURPOSE OF THIS PLAN IS TO REVISE THE LOCATION OF THE PROPOSED WELL SITES



- GENERAL NOTES:
- OWNER: JEROME MARK RAFFEL, TRUSTEE OF THE JEROME MARK RAFFEL REVOCABLE TRUST
DEED REFERENCE: LIBER 10224 AT FOLIO 49B
DATE: JULY 14, 2006
GRANTOR: JEROME MARK RAFFEL
 - TAX MAP: 40 GRID: 3 PARCEL: 235
 - NEAREST POTABLE WATER SUPPLY: CLARKSVILLE, 3.0 MILES
 - THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 24027C01400, DATED NOVEMBER 6, 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 (MAD83/11). DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
 - THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - SOIL TYPE: (GgB) GLENDEL; (GnB) GUNVILLE; (MaC) MANOR; HOWARD COUNTY SOLID MAP GRID NOS.
 - ZONING DISTRICT: RR-62D
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWERAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWERAGE AREA SHALL NOT BE NECESSARY.

FAILED PERCOLATION TEST SITE:

 (PASSED) PERCOLATION TEST SITE:

 EX. WELL/PROP. WELL SITE:

 PROPOSED HOUSE SITE:

 25% OR GREATER SLOPES:

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

Barbara M. Mans...
DATE: 12/23/2019

OWNER:
JEROME M. RAFFEL, TRUSTEE
C/O MIMI COOPER
1032 IRVING CHOICESITE 100
BEL AIR, MARYLAND 21014
(410) 566-9924

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21266, EXPIRATION DATE SEPTEMBER 9, 2021 IN ACCORDANCE WITH COMAR 09.13.06.12

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.

I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

M. Vansant
T. MICHAEL VANSANT, PROF. LAND SURVEYOR
MARYLAND REGISTRATION NO. 21266

DATE: 12/23/2019

DATE	REVISIONS



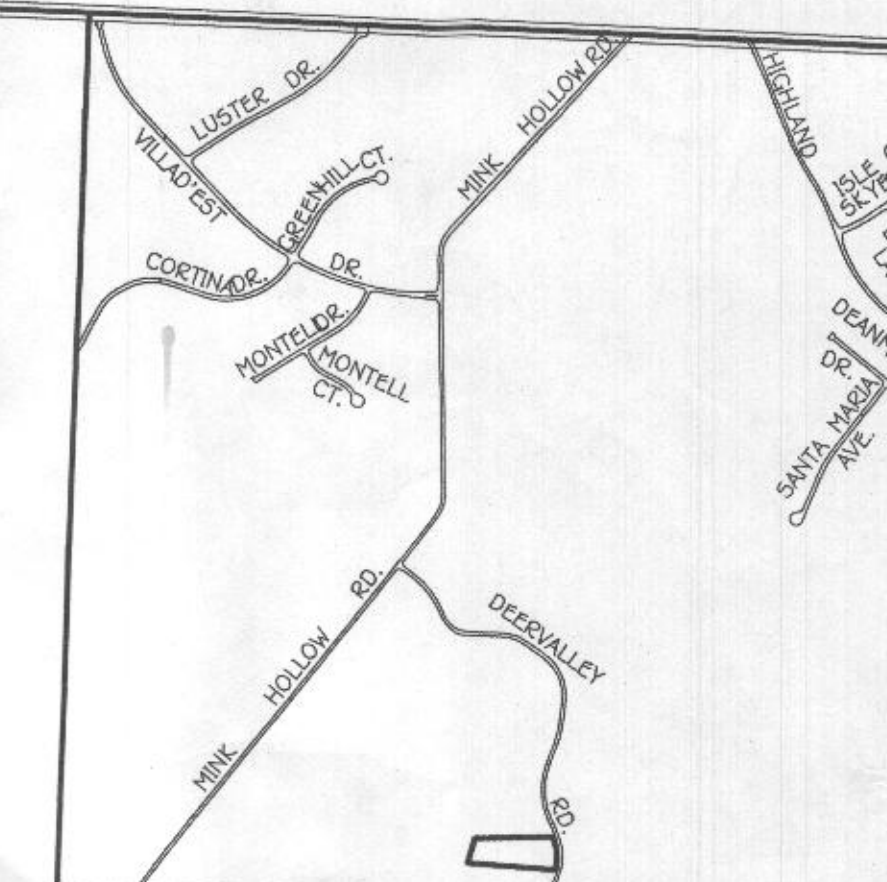
PERCOLATION CERTIFICATION PLAN
LOT 19, SECTION 3
CISSSEL FARM
PLAT BOOK 9, FOLIO 54
LIBER 10224, FOLIO 49B
SITUATED ON DEER VALLEY ROAD
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DECEMBER, 2019



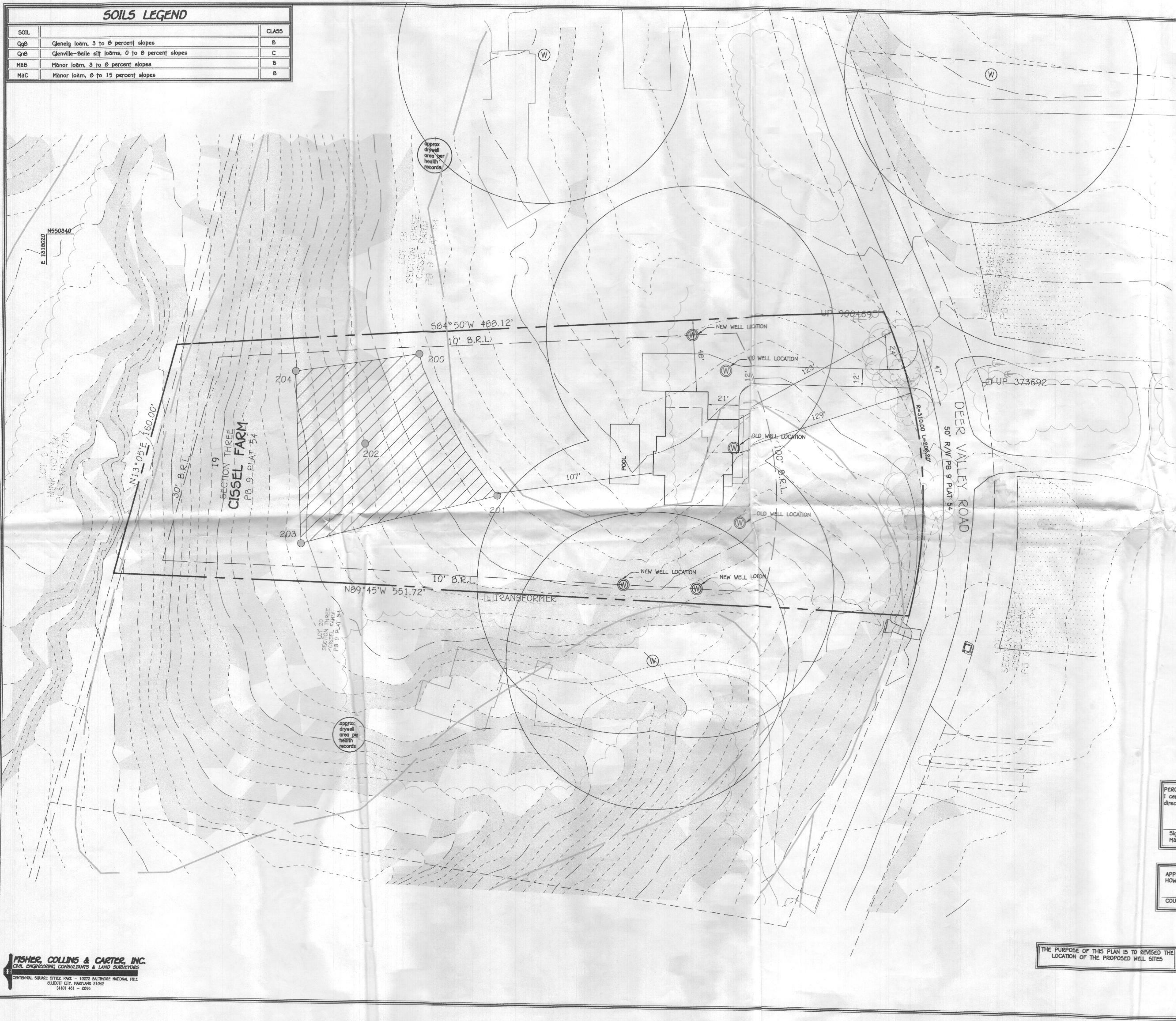
VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 549-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown

SOILS LEGEND

SOIL	CLASS	
GgB	Glenelg loam, 3 to 8 percent slopes	B
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes	C
MdB	Manor loam, 3 to 8 percent slopes	B
MaC	Manor loam, 8 to 15 percent slopes	B



VICINITY MAP
SCALE: 1"=1200'



LEGEND

- - - EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- - - EXISTING TREE LINE
- - - SOIL LINES AND TYPES
- ⊙ DENOTES EXISTING WELLS
- ⊙ DENOTES PASSED PERC
- ⊙ DENOTES PROPOSED WELL

GENERAL NOTES:

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 APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS HEALTH OFFICER, 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 A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT 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. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM FISHER, COLLINS & CARTER, INC. JUNE 24, 2020.
7. BOUNDARY OUTLINE BASED ON A FIELD SURVEY BY FISHER, COLLINS & CARTER, INC. JUNE 24, 2020.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. DEED REFERENCE LIBER 19675 FOLD 236
10. WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.

PERC CERTIFICATION
I certify that the locations shown on this plan are the proposed well 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
Date: 1/22/21
10/04/22

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

COUNTY HEALTH OFFICER: *[Signature]* DATE: _____

THE PURPOSE OF THIS PLAN IS TO REVISE THE LOCATION OF THE PROPOSED WELL SITES

PERC RECERTIFICATION PLAT
CISSEL FARM ESTATES
SECTION 3
LOT 19
DEER VALLEY ROAD
TAX MAP NO.: 40 GRID NO.: 03 PARCEL NO.:235
ZONED RR-DEO
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=30' DATE: DECEMBER 15, 2020



Bureau of Environmental Health
8930 Stanford Blvd. Columbia, MD 21045
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org
Maura J. Rossman, M.D., Health Officer

Date: August 23, 2019

To: Applicant: Mrs. Nancy Kasemeyer
Via E-Mail: mjkasemyer@gmail.com

RE: **Percolation Testing Report**
Deer Valley Road
Tax Map: 40 Parcel: 235 Lot: 19

Mrs. Kasemeyer,

Percolation testing was conducted on the referenced property on August 14, 2019. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for the existing lot. And to establish 10,000 square feet reserve area for the existing lot.

A total of six (6) test holes evaluated and five (5) were found to be satisfactory with moderate percolation. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

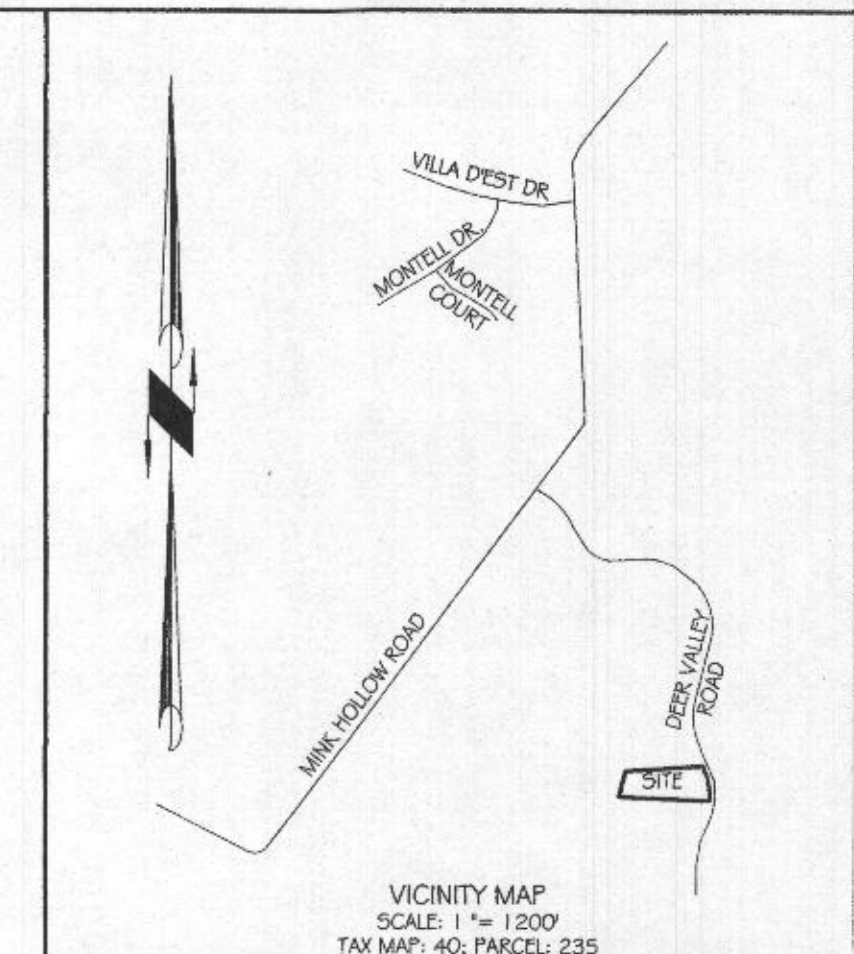
All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. 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.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve areas. When designing your plan, please address the following:

If you have any questions 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, REHS/L.E.H.S.
Environmental Specialist II
Enclosures
File



GENERAL NOTES:

- OWNER: JEROME MARK RAFFEL, TRUSTEE OF THE JEROME MARK RAFFEL REVOCABLE TRUST
DEED REFERENCE: LIBER 10224 AT FOLIO 496
DATE: JULY 14, 2006
GRANTOR: JEROME MARK RAFFEL
- TAX MAP: 40, GRID: 3, PARCEL: 235
- NEAREST POTABLE WATER SUPPLY: CLARKSVILLE, 3.0 MILES
- THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 2402701400, DATED NOVEMBER 6, 2013.
- TOPOGRAPHY & PLANNIMETRIC 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). DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
- SOIL TYPE: (GnB) GLENDEL, (GnD) GLENVILLE, (MaC) MANOR, HOWARD COUNTY SOILS MAP GRID NO.
- ZONING DISTRICT: RR-200
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

THIS AREA DESIGNATED A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.

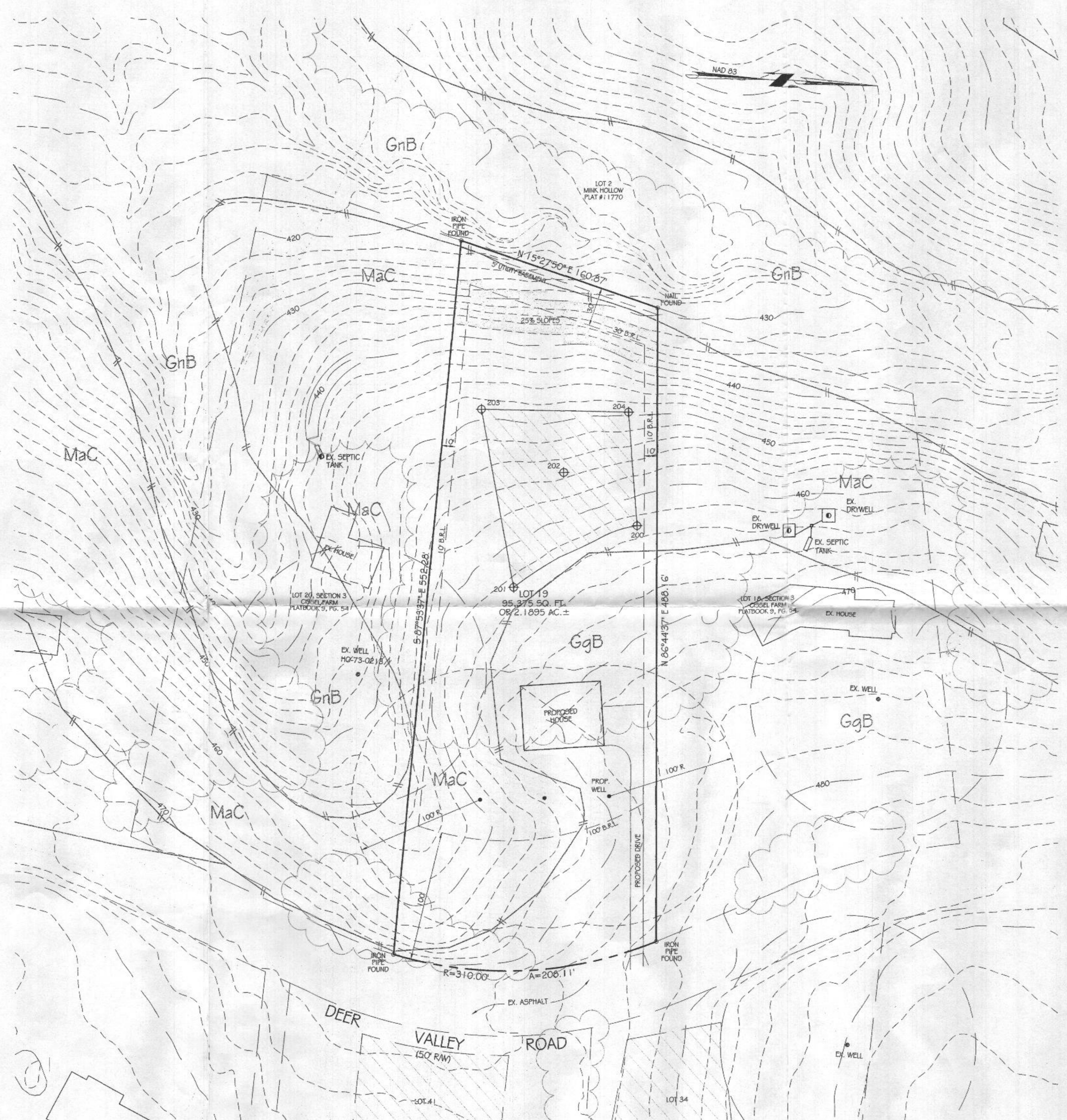
PROPOSED PERCOLATION TEST SITE: ⊕

(PASSED) PERCOLATION TEST SITE: ⊙

EX. WELLS/PROP. WELL SITE: ●

PROPOSED HOUSE SITE: ⊠

25% OR GREATER SLOPES (THERE ARE NO 25% SLOPES ON THE SUBJECT PROPERTY): ▨



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

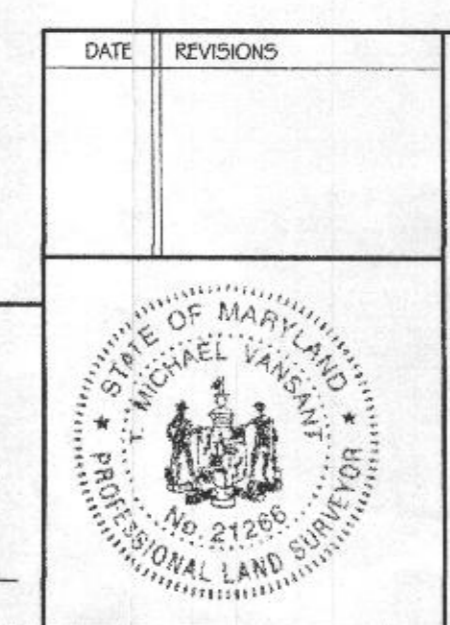
HOWARD COUNTY HEALTH OFFICER _____ DATE _____

OWNER:
JEROME M. RAFFEL, TRUSTEE
LITTLE PATUXENT PARKWAY
SUITE 100
COLUMBIA, MARYLAND 21044
(410) 596-0515

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.

I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STATED IF PROPOSED AND SHOWN HEREON.

[Signature] 6/26/2019
DATE

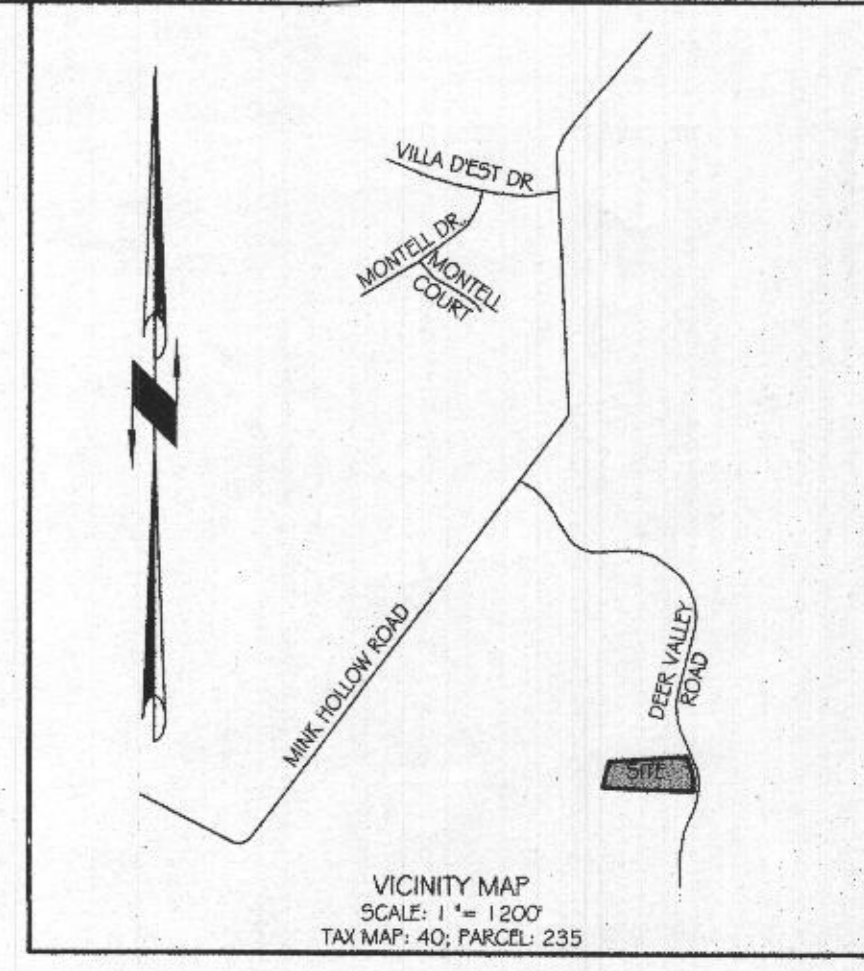


PERCOLATION TEST PLAN
LOT 19, SECTION 3
CISSEL FARM
PLAT BOOK 9, FOLIO 54
LIBER 10224, FOLIO 496
SITUATED ON DEER VALLEY ROAD
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' JUNE, 2019

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015 (410) 548-2751
Fax (301) 831-5603 ©Copyright, Latest Date Shown



RECEIVED
 DEC 20 2019
 HOWARD COUNTY HEALTH DEPT
 FLOOD PROTECTION PROGRAM



- GENERAL NOTES:
- OWNER: JEROME MARK RAFFEL, TRUSTEE OF THE JEROME MARK RAFFEL REVOCABLE TRUST
 DEED REFERENCE: LIBER 10224 AT FOLIO 496
 DATE: JULY 14, 2006
 GRANTOR: JEROME MARK RAFFEL
 - TAX MAP: 40 GRID: 3 PARCEL: 235
 - NEAREST POTABLE WATER SUPPLY: CLARKSVILLE, 3.0 MILES
 - THE SUBJECT PROPERTY IS NOT LOCATED IN SPECIAL FLOOD HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 24027001400, DATED NOVEMBER 6, 2013.
 - TOPOGRAPHY & PLANNIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPERIMPOSED 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 (NAD83/11). DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
 - THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - SOIL TYPE: (GnB) GLENVIEW, (MaC) GLENVILLE, (MaC) MANOR
 HOWARD COUNTY SOILS MAP GRID NOS.
 - ZONING DISTRICT: RR-020
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ANY CHANGES TO A PRIVATE SEPTIC AREA WILL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

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FILLED PERCOLATION TEST SITE:

(PASSED) PERCOLATION TEST SITE:

EX. WELL/PROP. WELL SITE:

PROPOSED HOUSE SITE:

25% OR GREATER SLOPES:

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

William M. Moore
 HOWARD COUNTY HEALTH OFFICER (N) DATE: 12/20/2019

OWNER:
 JEROME M. RAFFEL, TRUSTEE
 C/O MIKE COOPER
 1032 IRVING CHOICESUITE 100
 DEL AIR, MARYLAND 21014
 (410) 566-9924

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21266, EXPIRATION DATE SEPTEMBER 9, 2021 IN ACCORDANCE WITH COMAR 09.13.06.12

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.

I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

T. Michael Vansant
 T. MICHAEL VANSANT, PROF. LAND SURVEYOR
 MARYLAND REGISTRATION NO. 21266

DATE: 12/20/2019

DATE	REVISIONS



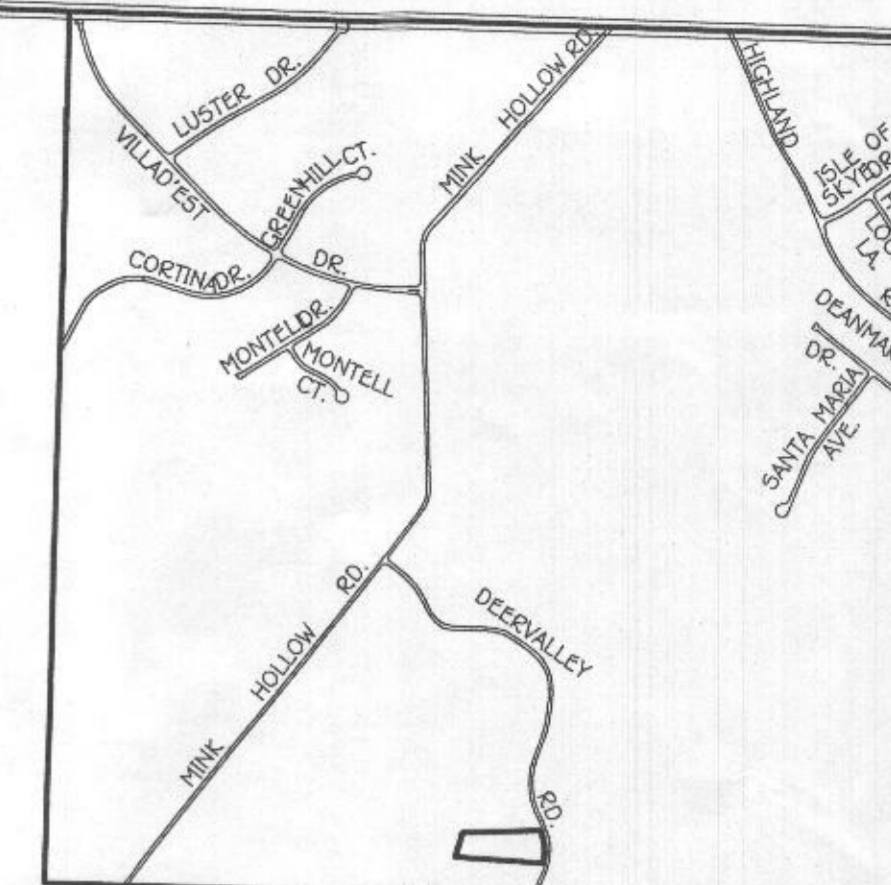
PERCOLATION CERTIFICATION PLAN
 LOT 19, SECTION 3
 CISSEL FARM
 PLAT BOOK 9, FOLIO 54
 LIBER 10224, FOLIO 496
 SITUATED ON DEER VALLEY ROAD
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DECEMBER, 2019

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 548-2751
 Fax (301) 831-5603 ©Copyright, Latest Date Shown

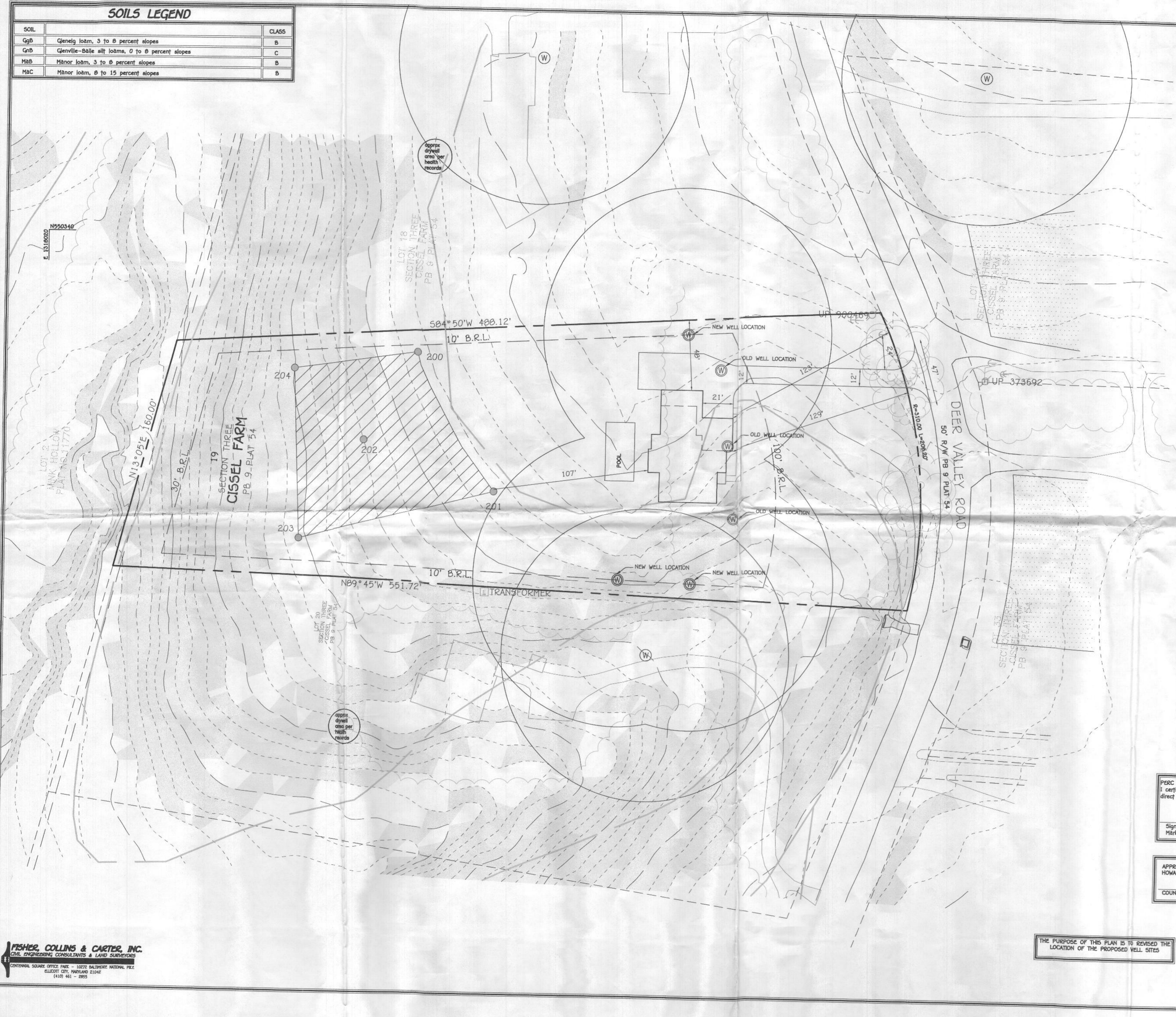


SOILS LEGEND

SOIL	CLASS	
GgB	Glenelg loam, 3 to 8 percent slopes	B
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes	C
MdB	Manor loam, 3 to 8 percent slopes	B
MaC	Manor loam, 8 to 15 percent slopes	B



VICINITY MAP
SCALE: 1"=1200'



LEGEND

- - - EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- - - EXISTING TREE LINE
- - - SOIL LINES AND TYPES
- ⊙ DENOTES EXISTING WELLS
- ⊙ DENOTES PASSED PERC
- ⊙ DENOTES PROPOSED WELL

GENERAL NOTES:

- 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 APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDED OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT 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 DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM FISHER, COLLINS & CARTER, INC. JUNE 24, 2020.
- BOUNDARY OUTLINE BASED ON A FIELD SURVEY BY FISHER, COLLINS & CARTER, INC. JUNE 24, 2020.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 19675 FOLIO 236
- WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.

PERC CERTIFICATION
I certify that the locations shown on this plan are those 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

1/22/21
Date

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

COUNTY HEALTH OFFICER _____ DATE _____

PERC RECERTIFICATION PLAT
CISSEL FARM ESTATES

SECTION 3
LOT 19

DEER VALLEY ROAD
TAX MAP NO.: 40 GRID NO.: 03 PARCEL NO.:235
ZONED RR-DEO

FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=30' DATE: DECEMBER 15, 2020

THE PURPOSE OF THIS PLAN IS TO REVISE THE
LOCATION OF THE PROPOSED WELL SITES