



HOWARD COUNTY HEALTH DEPARTMENT

59784

DATE 10/3/16

A5

Received
From

Keith Harrington

PHONE #

443 251-1159

For

Perc App/12200

Philadelphia

☐ CASH

☐ CHECK

NO.

1250

Five hundred six

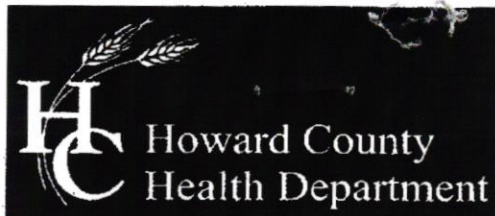
Dollars

\$

506 00

Received By

King



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

03-296083 A559784

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME

PROPERTY ADDRESS

12200 Philadelphia Rd EC 21042

STREET

TOWN

ZIP

TAX ACCOUNT #

TAX MAP

GRID

PARCEL

LOT NO.

PROPOSED LOT
SIZE (ACRES)

ZONING CATEGORY

TIER

PROPERTY OWNER(S)

Keith Harrington

DAYTIME PHONE

443

CELL

250-1159

EMAIL

kharrington.Keith@gmail.com

MAILING ADDRESS

12200 Philadelphia Rd EC 21042

STREET

CITY, STATE

ZIP

APPLICANT

Same

RELATIONSHIP TO OWNER:

Same

DAYTIME PHONE

CELL

EMAIL

MAILING ADDRESS

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: 1
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 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

8:30
10/6
Perc test

9/29/16

A/P

hole #1

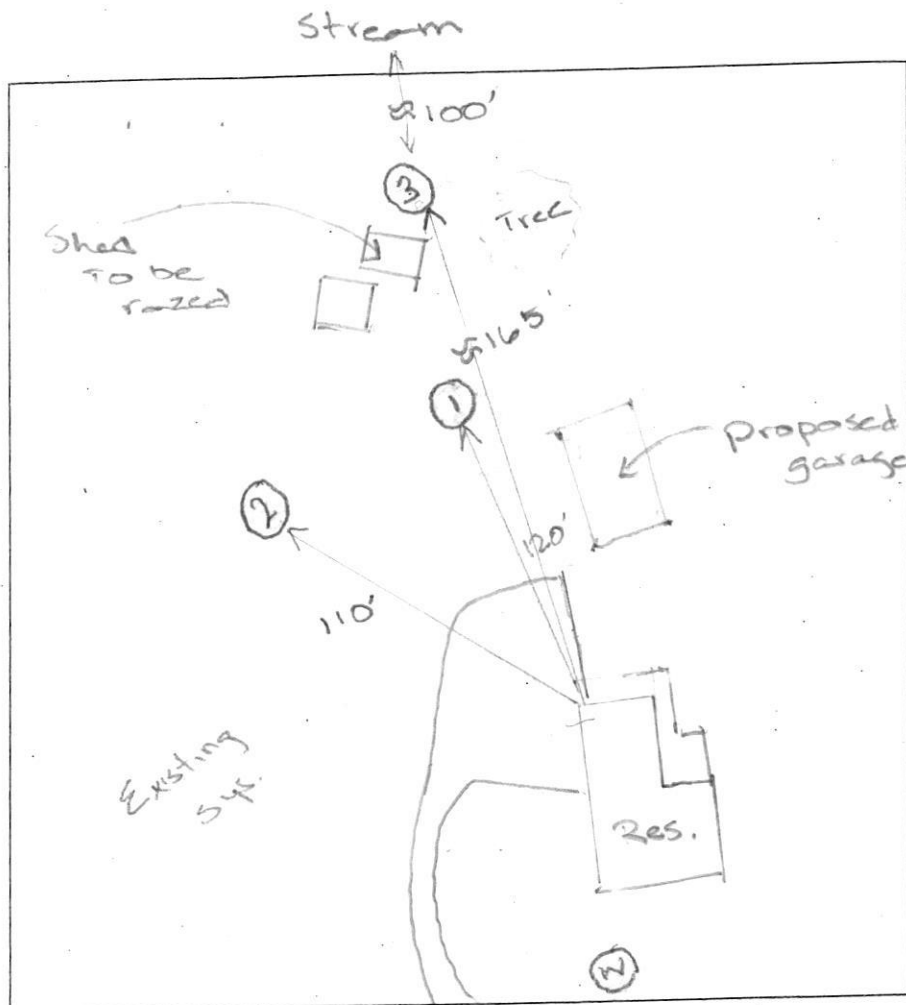
0.6' brl
 0.1' orcl
 20-25%
 rock
 5' Tan
 SL
 5.10%
 rock
 16' dry

hole #2

0.4' brl
 0.1' orcl
 20-25%
 6' Tan
 SL
 5.1% rock
 12' w/ patches
 grey
 mottle
 14'

hole #3

brl
 orcl
 20-25%
 rock
 7-8' tensl
 11.5' water
 -12' seepage
 14'



12200 Triadelphia Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/6/16	1	6'16"	9:06	9:11	9:24	13	P
10/6/16	2	7'2/14	9:38	10:24	Too Long		F
10/6/16	3	/14	Not tested				

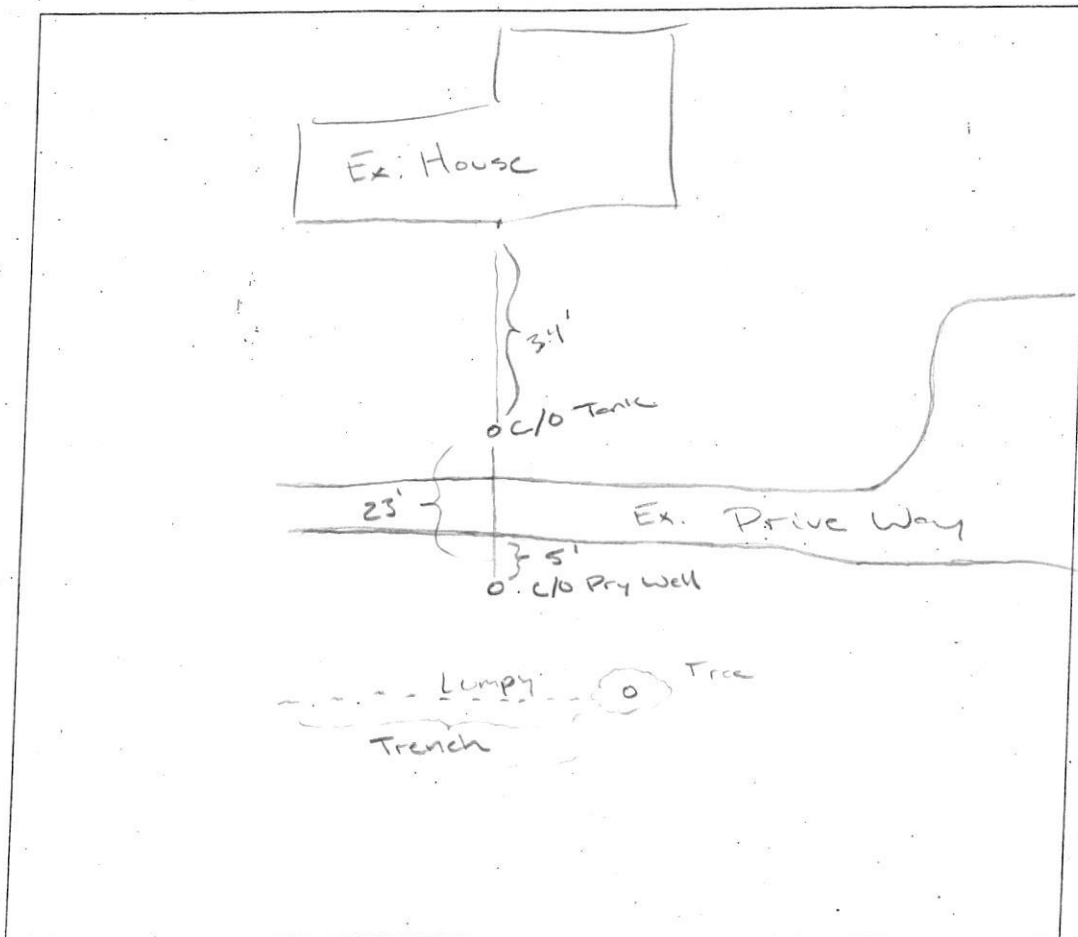
REMARKS

SANITARIAN H. Oswald BACKHOE Fogles OTHERS OwnerTEST HOLES USED IN SDA S. Freeman AVG. PERC TIME SQ. FT/BR TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

SITE INSPECTION SHEET

OWNER: _____ PHONE #: _____
ADDRESS: 12200 Tridelphia Rd. CONTRACTOR: _____
SUBDIVISION: _____ LOT: _____ WELL TAG #: _____
PROPOSAL: Detached garage COUNTY #: _____

LOCATION DIAGRAM

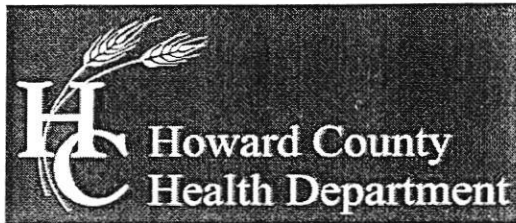


COMMENTS: Dry well cleanout is at grade. Lid to drywell
clean out is slightly pushed inward and has a chunk
of the lid missing. Ground where trench and drywell
are drawn to be is lumpy.

DATE: 9/23/16 INSPECTOR: Robert Freeman







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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 12200 Triadelphia Rd

Subdivision: _____ Lot: _____

Initial system: Application rate: 0.8 Effective area beginning depth: 5' Bottom maximum depth: 8'

1st Replacement: Application rate: _____ Effective area beginning depth: _____ Bottom maximum depth: _____

2nd Replacement: Application rate: _____ Effective area beginning depth: _____ Bottom maximum depth: _____

Design Flow = 150 gallons per day per bedroom $4 \times 150 = 600$

Design flow \div application rate = square footage of drainfield required $600 \div 0.8 = 750 \div 3 = 250 \times 0.5$

Linear length of trench required = drainfield square footage \times sidewall reduction percentage \div trench width

Sidewall reduction credit formula:

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

$\approx 125'$
per system

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'

$$\frac{3 + 2}{3 + 1 + 2(3)} = \frac{5}{10} = 0.50$$

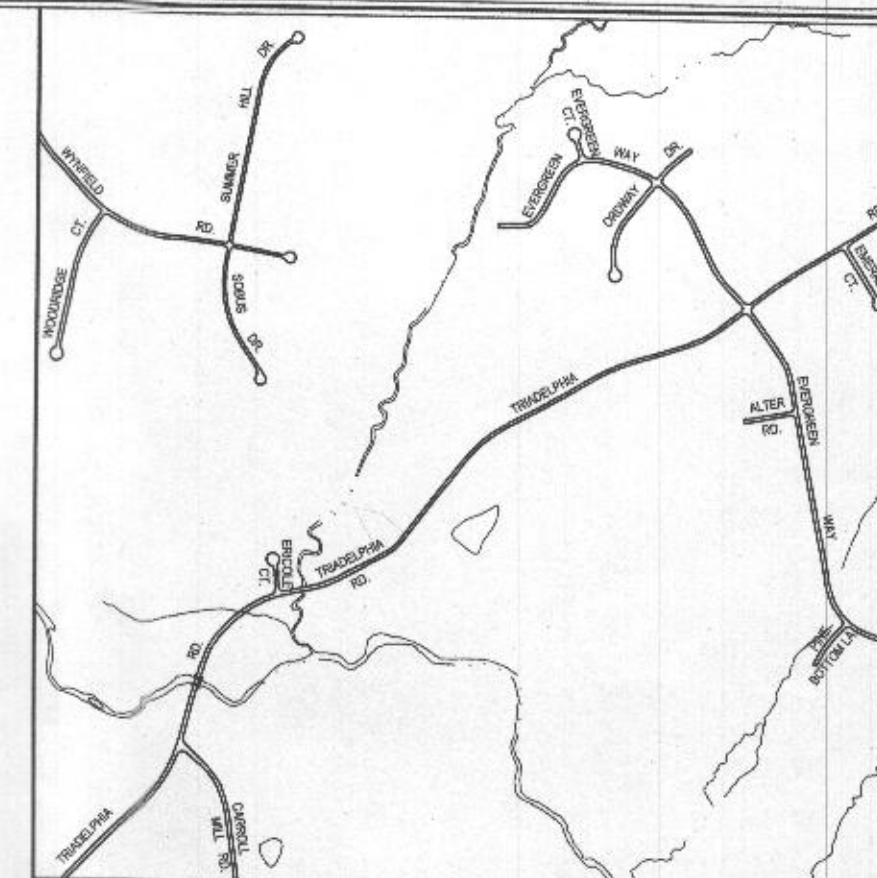
Additional requirements:

show how (2) systems can fit along contour @ or above perc hole #1

Approved: Hank Oswald Date: 10/17/16

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- W DENOTES EXISTING WELL
- F DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES PASSED PERC TESTS FROM MARCH 2, 1983



VICINITY MAP

SCALE : 1" = 1200'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA LARGE ENOUGH FOR 2 REPLACEMENT SYSTEMS (OR IF PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS) 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 AREAS 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 HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- DEED REFERENCE LIBER 15895 FOLIO 67.
- THE SEWAGE DISPOSAL AREA (SDA) SHOWS 2 REPLACEMENT SYSTEMS FOR A 3 BEDROOM HOUSE. NO BUILDING ADDITIONS WITH A POTENTIAL INCREASE IN FLOOR WILL BE APPROVED UNTIL ADDITIONAL SDA HAS BEEN ESTABLISHED ON A REVISED PERC CERT PLAN.

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.

Signature of Professional Land Surveyor No. 10692
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/17

Date 11/14/16

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

Signature for Maria Roman
COUNTY HEALTH OFFICER H.O. 2

Date 11/14/2016

SOILS LEGEND

SOIL	NAME	CLASS
Co	Codorus and Hatboro silt loams, 0 to 3 percent slopes	C
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855

PERC CERTIFICATION PLAN 12200 TRIADELPHIA ROAD

TAX MAP #15

3RD ELECTION DISTRICT

SCALE: 1"=50'

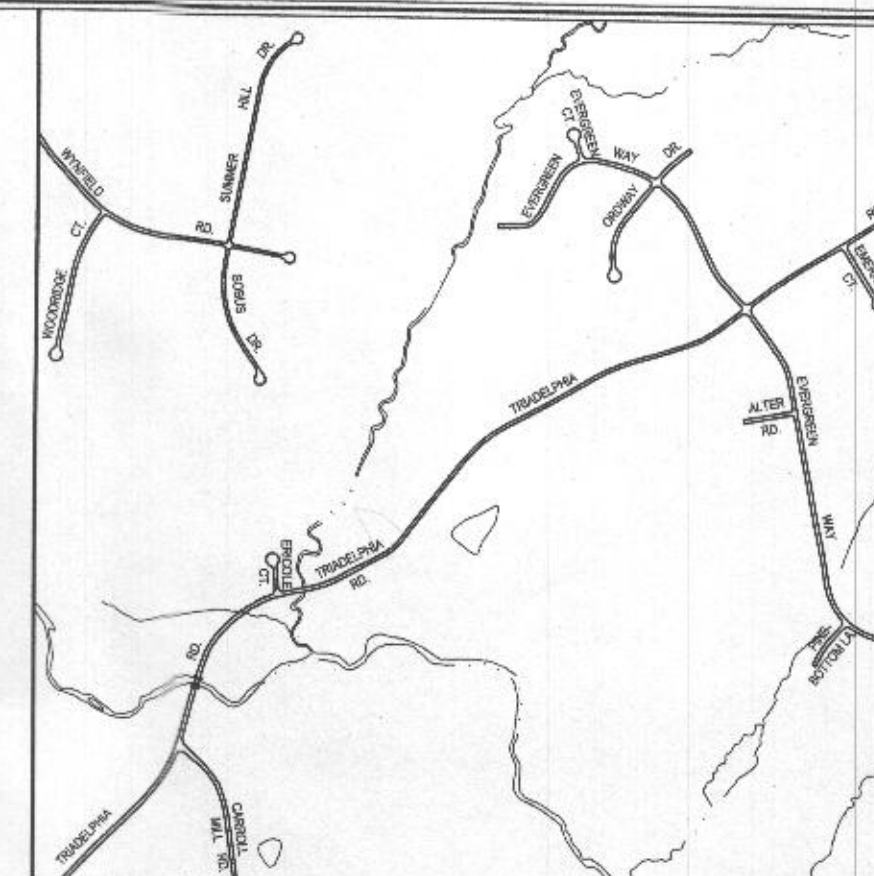
PARCEL: 03

HOWARD COUNTY, MARYLAND

DATE: OCTOBER 24, 2016

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- W DENOTES EXISTING WELL
- F DENOTES FAILED PERC
- DENOTES PASSED PERC
- PO DENOTES PASSED PERC TESTS FROM MARCH 2, 1983



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- DEED REFERENCE LIBER 15895 FOLIO 67.
- THE SEWAGE DISPOSAL DESIGN SHOWN SHOWS 2 REPLACEMENT SYSTEMS PER A 3 BEDROOM HOME. NO BUILDING ADDITIONS WITH A POTENTIAL INCREASE IN FLOW WILL BE APPROVED UNTIL A ADDITIONAL SDA HAS BEEN ESTABLISHED ON A REVISED PERC CERT PLAN.

PERC CERTIFICATION

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Terrell A. Fisher, Professional Land Surveyor, No. 10692 Expires 12/13/17
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HOWARD COUNTY HEALTH DEPARTMENT.

Signature of County Health Officer
COUNTY HEALTH OFFICER H.O. 2
Date 11/14/2016

PERC CERTIFICATION PLAN

12200 TRIADELPHIA ROAD

TAX MAP #15

3RD ELECTION DISTRICT

SCALE: 1"=50'

PARCEL: 83

HOWARD COUNTY, MARYLAND

DATE: OCTOBER 24, 2016

SOILS LEGEND

SOIL	NAME	CLASS
Co	Codorus and Hatboro silt loams, 0 to 3 percent slopes	C
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C

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