



HOWARD COUNTY HEALTH DEPARTMENT

62999

DATE
5/22/18

AS

Received From

Mark Daniels

PHONE #

410 693-1395

For

Peric App/ 3650 Daisy Rd.

CASH

CHECK

NO.

748

Five hundred six

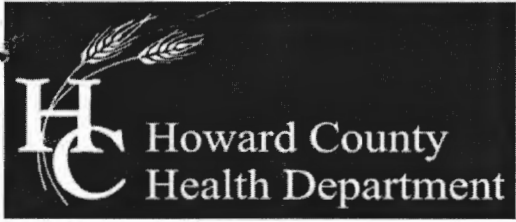
Dollars

\$

506.00

Received By

J Kemp



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**

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME JENNINGS CHAPEL WOODS
 PROPERTY ADDRESS 3650 DAISY RD WOODBINE 21797
STREET TOWN ZIP
 TAX ACCOUNT # _____ TAX MAP 20 GRID _____ PARCEL 73 LOT NO. 1 PROPOSED LOT SIZE (ACRES) 1
 ZONING CATEGORY _____ TIER _____

PROPERTY OWNER(S) MARK DANIELS & JENNIFER MOHEYER
 DAYTIME PHONE (410) 693-7395 CELL _____ EMAIL JENNA@MOHEYER.COM
 MAILING ADDRESS 3650 DAISY RD WOODBINE MD 21797
STREET CITY, STATE ZIP

APPLICANT JENNIFER MOHEYER RELATIONSHIP TO OWNER: SELF
 DAYTIME PHONE (202) 486-0045 CELL (202) 486-0045 EMAIL JENNA@MOHEYER.COM
 MAILING ADDRESS 3650 DAISY RD WOODBINE, MD 21797
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.

Jennifer Moheyer 05/22/18
 SIGNATURE OF APPLICANT DATE



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 3650 Daisy Rd

Subdivision: Jennings Chapel Woods Lot: 1

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 8
1st Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 8
2nd Replacement: Application rate: 0.8 Effective area beginning depth: 3 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:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= 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:

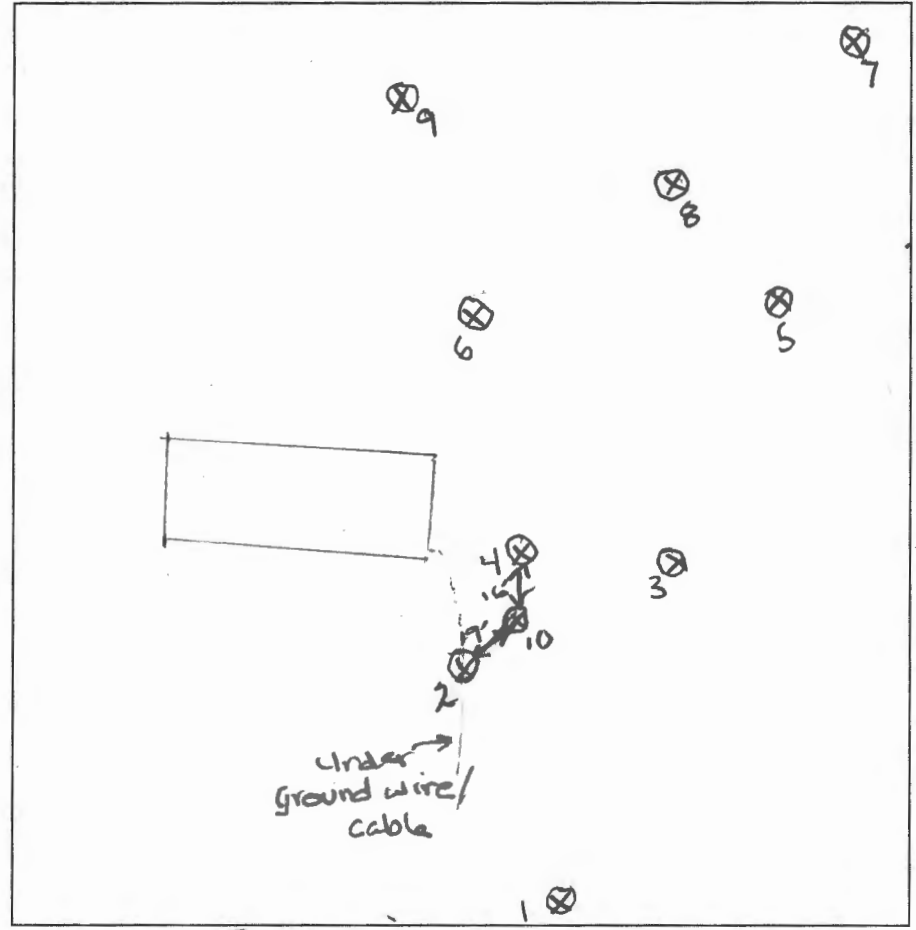
Approved: Hank Oswald Date: 7/6/18

AP 562999

7
 0.5' - brl (roots)
 yel-red
 3' - scl abx
 yel tan
 fs
 pl
 12' -

8
 0.5' - brl
 yel red
 cl
 3' -
 yel-tan
 fs
 8' -
 5-10% rock
 12' -

9
 0.1' - brl (roots)
 yel red
 cl
 3' -
 pale red
 fs
 pl
 12' -



3650 Daisy Road

10
 brl
 Red Br
 cl
 3' -
 pale red
 fs
 pl
 12' -

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/2/18	7	4.5/12'	9:15	9:16	9:19	3	P
7/2/18	8	4.5/12'	9:56	10:04	10:14	10	P
7/2/18	9	4/12'	9:35	9:38	9:42	4	P
7/2/18	10	4.5/12'	11:09	11:12	11:16	4	P

REMARKS _____
 SANITARIAN Hank Oswald BACKHOE S. Carroll OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

AP 562999

#1

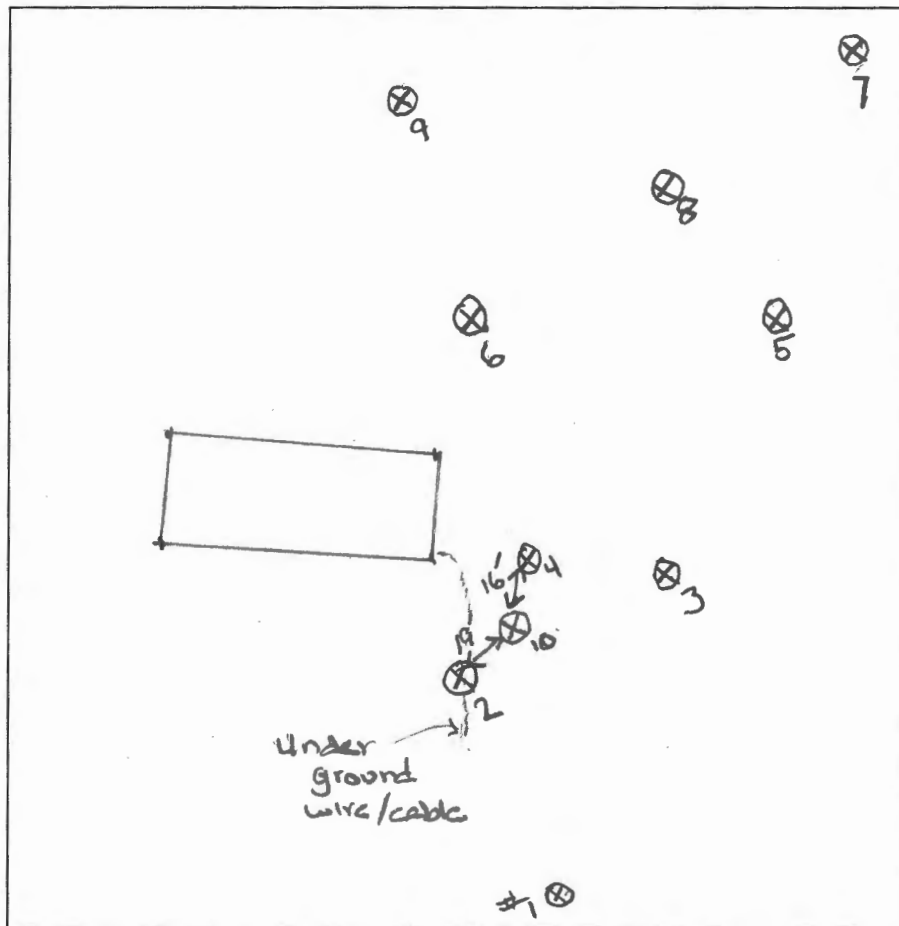
br l (roots)
 3.5' - Red-Br cl abk
 pale red yellow fsl
 12' - 5-10% rock

#2

hole staked on top of under ground wiring
 Replaced hole #2 with hole #10

3

0.2' - br l
 Red-Br cl
 4' - Pale Red fsl
 12' -



4
 hole staked on top of septic tank.
 hole #4 replaced w/ hole #10

5

3' - yel-red cl abk
 yel red tan fsl
 pl
 12' -

3650 Daisy Road

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
	1	4.5/12'	10:57	11:00	11:06	6	P	
	2	Did not test, Replaced w/ hole #10						
	3	5/12'	10:45	10:48	10:53	5	P	
	4	Did not test Replaced w/ hole #10						
	5	4'/12'	9:26	9:28	9:32	4	P	
	6	4'/15'	10:06	10:10	10:17	7	P	

6
 br l
 3' - yel-red cl abk
 yel tan fsl
 15' - 5-10% rock

REMARKS _____

SANITARIAN Hank Oswald BACKHOE S. Carroll OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



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

July 6, 2018

To: Marks & Associates (Engineer); Mark Daniels & Jennifer Moheyer (Owner)

Percolation Test Report; 3650 Daisy Road, Woodbine, MD

Percolation tests were conducted at 3650 Daisy Road on July 2, 2018. Tests and profile descriptions were documented for 8 locations. All 8 test holes 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 condition. The area must be large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer submit a percolation certification plan to confirm the design of the septic reserve area.

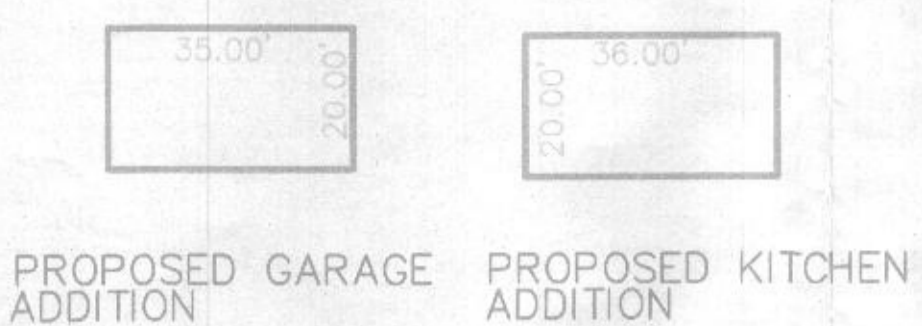
Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Test Field Notes
Perc Cert Plan Review Comments



PROPOSED GARAGE ADDITION
PROPOSED KITCHEN ADDITION

LEGEND

- PERCOLATION TEST HOLE (PASSED)
- SOIL BOUNDARY
- CONTOURS FROM GIS AND FIELD SURVEY
- TREE LINE
- EXISTING SEPTIC RESERVE AREA

NOTES

1. SITE ADDRESS: 3650 DAISY ROAD WOODBINE, MARYLAND 21797
TAX MAP 20, PARCEL 73
2. EXISTING ZONING IS RC-DEO.
3. THE INFORMATION SHOWN HEREON IS BASED ON FIELD OBSERVATIONS AND RECORD RESEARCH.
4. THIS PLAN IS REQUIRED BEFORE A BUILDING PERMIT CAN BE ISSUED FOR THE CONSTRUCTION OF THE ADDITIONS SHOWN HEREON.
5. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM HOWARD COUNTY GIS AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
7. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
8. THIS AREA OF 7,579 SQUARE FEET, AS SHOWN HEREON, DESIGNATES A PRIVATE SEWAGE DISPOSAL 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 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.
9. THE PURPOSE OF THIS PLAN IS TO DESIGN A SEPTIC DISPOSAL AREA TO ACCOMMODATE THE PROPOSED ADDITIONS AS SHOWN HEREON.

DOUGLAS & ROSITA UNDERWOOD
1334/164
LOTS 1&2 PROPERTY OF WILLIAM K. JENNE
PLAT NO. 6029

**SEWAGE DISPOSAL SYSTEM WORKSHEET
FOR FIRST AND SECOND REPLACEMENTS**

B=BEDROOMS: 4
AR=APPLICATION RATE=0.8
TW=TRENCH WIDTH=2'
D=DEPTH DIFFERENTIAL OF TRENCHES=5
DF=150 GPD PER BEDROOM= 150X4=600
DSF= DRAINFIELD SQ. FT.=DF/AR=150/0.8=750
SWRC=SIDEWALL REDUCTION CREDIT= $W+2/W+1+2DX100=31\%$
LLT= LINEAR LENGTH OF TRENCH=(DSF)(SWRC)/TW=116.25 FEET
EXISTING SEPTIC TANK 1000 GALLONS (3 BEDROOM CAPACITY)

THIS IS TO CERTIFY THAT THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH THE PRINCIPALS AND PRACTICE OF ACCEPTED SURVEYING PROCEDURES



ERIK C. MARKS R.P.L.S. NO. 607

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEPTIC DISPOSAL AREA TO ACCOMMODATE THE PROPOSED ADDITIONS AS SHOWN HEREON.

APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS

HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.
DATE
11/14/2018

OWNER \ BUILDER INFORMATION:
OWNER: MARK DANIELS & JENNIFER MOHEYER
BUILDER: MARK DANIELS & JENNIFER MOHEYER
3650 DAISY ROAD WOODBINE, MARYLAND 21797

PHONE: 410-693-7395

Marks & Associates, LLC
Engineering-Surveying-Land Planning
4531 College Avenue
Ellicott City, Maryland 21043
Phone (410) 747-8738 Fax (410) 747-8738

SCALE: 1"=50'
DRAWN BY: J.J.
CHECKED BY: XXX
DATE: 08/28/18
REVISED:

PERCOLATION CERTIFICATION PLAN
3650 DAISY ROAD
LOT 1
JENNINGS CHAPEL WOODS
TAX MAP #20 PARCEL 73
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND