

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

*15504849*

### PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Old Lisbon Estates LOT # 19  
 PROPERTY ADDRESS 15775 Frederick Rd., Woodbine 21797  
STREET TOWN ZIP  
 TAX ACCOUNT # 04315448 TAX MAP 8 GRID 7 PARCEL 5 LOT 19 LOT SIZE (ACRES) 1  
 ZONING CATEGORY RC TIER 3 *27*

### PROPERTY OWNER(S) Kimberthy/Heritage, LLC

DAYTIME PHONE 410-489-7900 CELL 410-984-0408 EMAIL Tim@HeritageMaryland.com  
 MAILING ADDRESS P.O. Box 482 Lisbon, MD 21765  
STREET CITY, STATE ZIP

### APPLICANT Heritage Land Development

RELATIONSHIP TO OWNER: Developer

DAYTIME PHONE 410-489-7900 CELL 410-984-0408 EMAIL Tim@HeritageMaryland.com  
 MAILING ADDRESS P.O. Box 482 Lisbon, MD 21765  
STREET CITY, STATE ZIP

### I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

#### BUILDING:

- RESIDENTIAL WITH four EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

#### PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 30
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

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]* *9/12/15*  
 SIGNATURE OF APPLICANT DATE

A/P \_\_\_\_\_

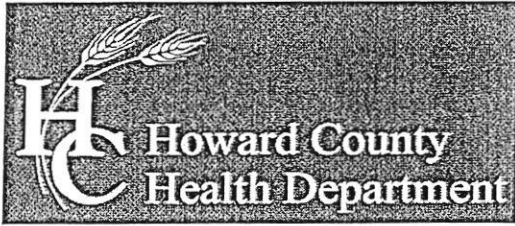
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ 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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SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: \_\_\_\_\_

Subdivision: Old Lisbon Estates Lot: 19 27

362 & 363  
 Initial system: Application rate: 0.8 Effective area beginning depth: 5.5 Bottom maximum depth: 8

369<sup>st</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 8

#361 2<sup>nd</sup> Replacement: Application rate: 0.6 Effective area beginning depth: 3.5 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:

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

Standard design requirements:

- 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:

*Install Initial System at East End of SDA,  
 Install First Replacement System at West End of SDA,  
 Septic Tank must be near center of lot, if no pump.*

Approved: R Bricker Date: 9/29/2016

Lots 18, 19, 16, 15, 14

359 & 357

AP

362

1' brn to yel-brn sil, thick platy

2' yel-red, red-yel & yellow chsil, dense

5.5' yel-red chsil thick platy common f. & v. l. mica

12'

361

15' brn to yel-brn sil thick platy

1' yel-brn sil

2.4' dense

3.3' red & grey chsil, thin platy many f. & v. l. mica

12'

360

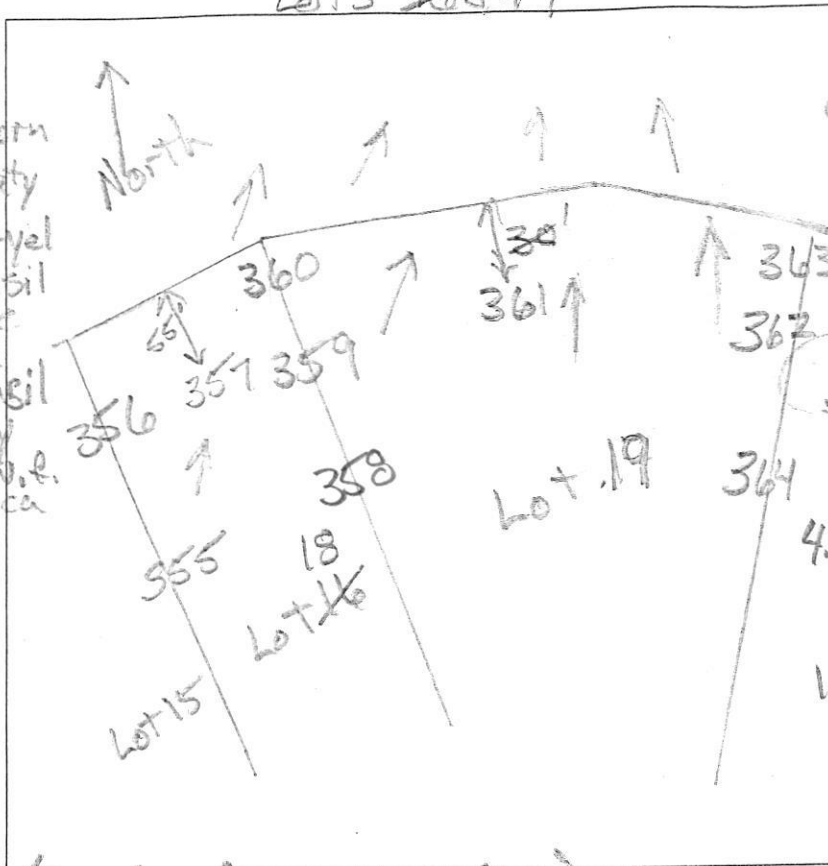
1' brn sil thick platy

1' yel-red sil thick platy

2.6' red & yellow sil, thick platy many f. & v. l. mica

3.9' red & grey chsil, thin platy many f. & v. l. mica

12'



(f. & v. l. = fine and very fine)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/15/15	362	6.4' / 12'	2:37	2:48	3:02	14	P
9/15/15	361	4.5' / 12'	3:18	3:23	3:40	17	P
9/15/15	360	3.9' / 12'	3:32	3:36	3:40	4	P
9/15/15	359	4.5' / 12'	3:34	3:39	3:47	8	P
9/15/15	358	5' / 12'	3:52	3:56	4:03	7	P
9/15/15	357	12'	Visual	2.5' - 8' sidewall	0.8' - 1.2' / 1.2'		P

0.8' brn sil thick platy

2' yellow-red chsil, thick platy

3.3' yel-red & pale brn sil, dense

4.5' red & yellow sil, thick platy many f. & v. l. mica

12' red & grey chsil, thin platy many f. & v. l. mica

#357 has same profile as #359

358

1.6' brn sil to yel-brn sil, thick platy

1' yel-red & yel-brn sil, dense

3' red & yel sil, thin platy many f. & v. l. mica

5.2' red chsil thin platy many f. & v. l. mica

12' mica

REMARKS: SANITARIAN R. Bricker BACKHOE Level Land OTHERS Tim Feago

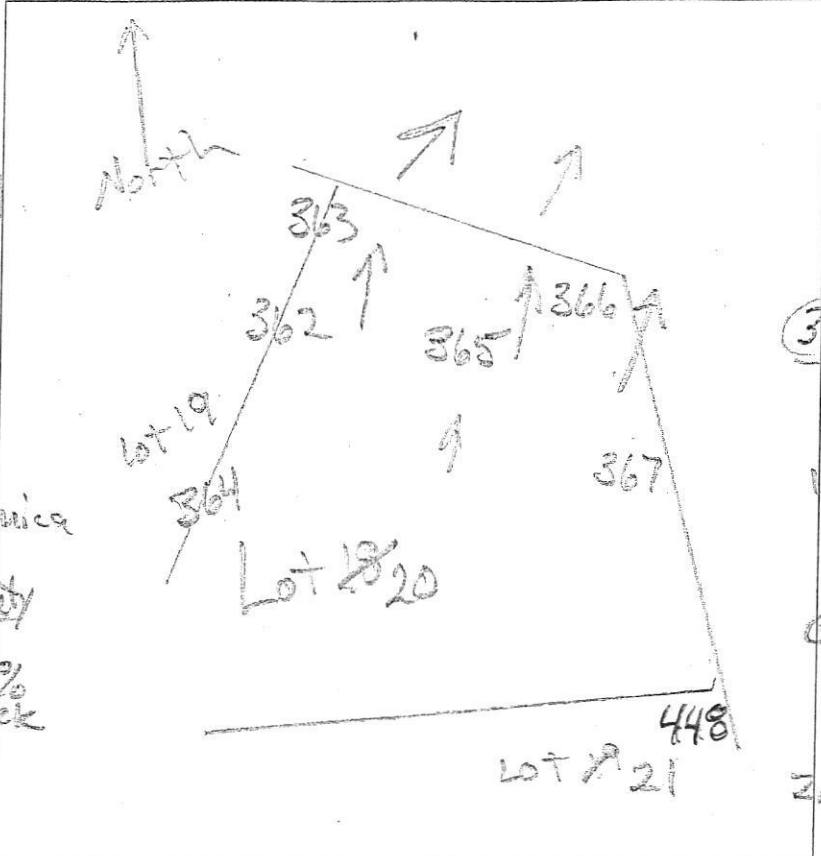
TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

A/P

Lot 18/20

367  
 0.7' brn sil  
 thick platy  
 1.5' yel-red chsil  
 thick platy  
 2.5' red chsil  
 pm, dense  
 8.5' red & yellow  
 chsil, thin  
 platy  
 many f. & mica  
 11' red & yellow  
 sil, thick platy  
 11.5' red & yellow  
 v. sil > 50%  
 rock



366  
 0.7' brn sil  
 thick platy  
 2' yel-red  
 sil, thick  
 platy  
 3.4' yel-red  
 chsil, thick  
 platy  
 12' red chsil  
 thin platy  
 many f. & mica

364  
 0.7' brn sil  
 thick platy  
 2.4' yel-brn  
 to yel-red sil  
 thick platy  
 5' yel-red  
 chsil, pm  
 12' red chsil  
 thin platy  
 many f. & mica

365  
 3.8' brn sil  
 thick platy  
 yel-red sil  
 thick platy  
 yel-red sil  
 pm, dense  
 12' red & yellow  
 sil, thin platy  
 many f. & mica

363  
 1.8' brn sil  
 to yel-brn sil  
 thick platy  
 4' yel-red  
 chsil, pm  
 5.8' red & yellow  
 sil, thick platy  
 mica  
 12' red & grey  
 chsil, thin  
 platy  
 many f. & mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/15/5	367	4' 11"	1:54	2:01	2:08	7	P
9/15/5	365	5.8' 12'	2:19	2:23	2:31	8	P
9/15/5	366	12'	Visual	3.5'-8' sideways	0.8 g/d/a <sup>2</sup>		P
9/15/5	362	6.4' 12'	2:37	2:48	3:02	14	P
9/15	364	5.3' 12'	2:50	2:57	3:08	11	P
9/15	363	5.5' 12'	3:00	3:06	3:15	9	P

REMARKS f. & mica, fine & very fine

SANITARIAN R. Bricker BACKHOE Level land OTHERS Tim Feago

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_