

APPLICATION

PERCOLATION TESTING

A 599356

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 4/13/98

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ROBERT T. BUICE

ADDRESS 7979 MUNCASTER MILL ROAD PHONE 410-975-0200

AGENT OR PROSPECTIVE BUYER DONALD R. REWNER LAND DESIGN & DEV INC.

ADDRESS 10805 HICKORY RIDGE ROAD PHONE 410-740-2100

COLUMBIA, MD 21044

PROPERTY LOCATION:

SUBDIVISION BUICE PROPERTY See 1 LOT NO. 7

ROAD AND DESCRIPTION EAST SIDE OLD ROXBURY ROAD

JUST EAST OF INTERSECTION OF RT 97 & ROXBURY MILL ROAD

TAX MAP 21 PARCEL # 84 GRID 20

SIZE OF LOT ONE ACRE TYPE BLDG. SF D
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. DONALD R. REWNER JR
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

599356

COUNTY #

SOIL PROFILE

0' 541
orange
clay
loam
4.0'
orange
sclm
redox
features
at bottom
15%
rock
frags
11.0'

540

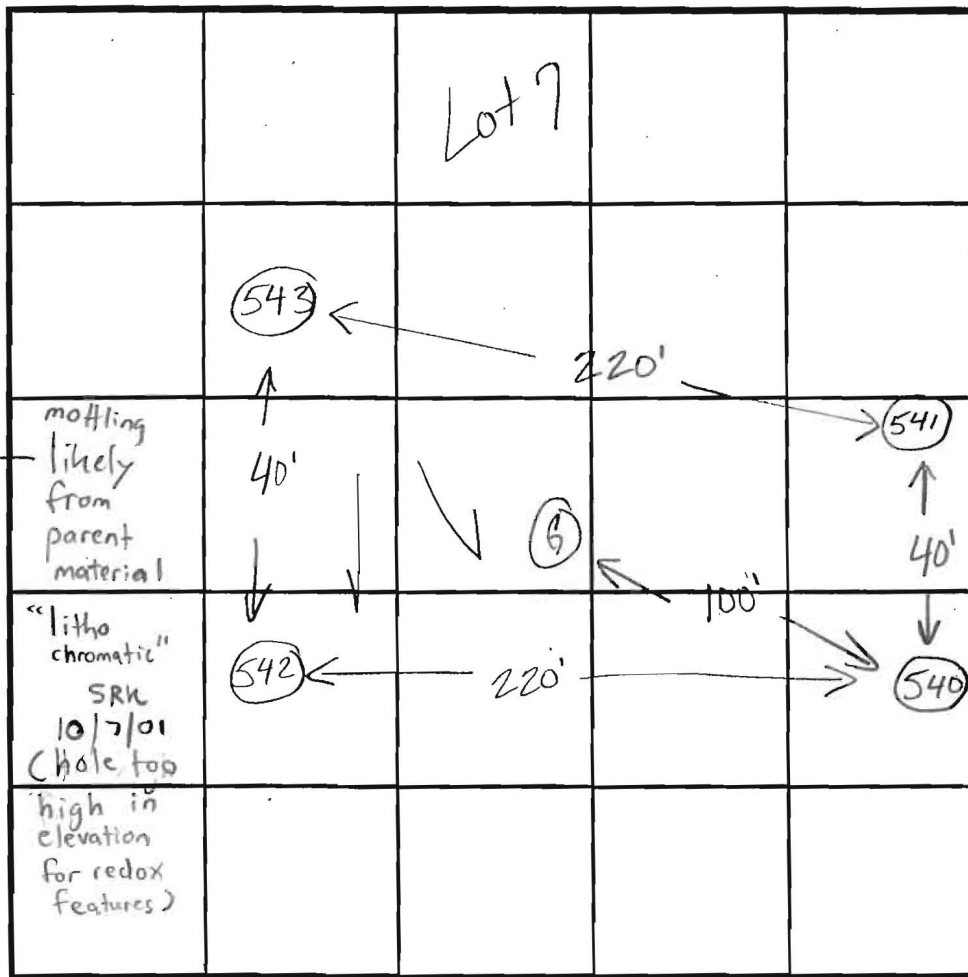
Same
as
test
hole

541

G

orange
clay
loam
4.0'
red silty
clay
loam
15%
rock
frags
11.0'

Lot 7



SOIL PROFILE

0' 542
orange
red
clay
loam
4.0'
red /
brown
sclm
10%
shale
11.0'

543

orange
clay loam
4.0'
buge
orange
sclm
15% rock
frags
11.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6.18.98	541	5.0'S	4:1830	4:23	4:23	4:32	9 min
		11.0'D	Visual	ok - see profile			
	540	11.0'D	Visual	only - ok see profile			
6.3.98	543	4.0'S	3:4910	3:52	3:52	3:5630	430
		11.0'D	Visual	ok - see profile			
6.3.98	542	4.5'S	3:3820	3:4040	3:4040	3:4640	6 min
		11.0'D	Visual	ok - see profile			
	G	11.0'D	Visual	only - ok see profile			

REMARKS

test holes staked by surveyor

TYPE OF SOIL

Manor

TESTED BY

Kim Maiste

ALSO PRESENT

Mike

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

6-7 minutes

TRENCH WIDTH

3.0

INLET DEPTH

42

MAXIMUM BOTTOM DEPTH

44

SQ. FT./BEDROOM

180



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

MEMORANDUM

TO: Dave Howard
Fisher, Collins, & Carter, Inc.

FROM: Robert Freemon *RIF*
Well & Septic Program

RE: 15428 Rivercrest Ct.
Brookeville, MD 20833
BAT & Perc Plan Comments

DATE: 4/12/2016

I am reviewing the BAT Plan and Perc Plan for 15428 Rivercrest Court Lot 7 and have some comments. On the BAT Plan we need to see the details of the BAT Unit itself such as make, model, dimensions and labeled components. The 20ft setback between the house and BAT unit is not met and needs to be corrected. The trench data calculations show Trench 1 with an 8ft bottom depth. The maximum bottom depth of each trench is 7ft as stated on the Spec Sheet. On the Perc Plan note #4 needs to state "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."

As for the wells we need to see the existing well labeled along with the tag number on the Perc Plan. The alternate well site nearest the cul-de-sac is less than 50ft away from a storm water drainage area and needs to be corrected on both plans. It is our recommendation however to move the well to the left side of the driveway and maximize the distance between well sites. We have been having problems with road side salt contamination and would like to avoid the swale and storm water drainage as well.

Lot 11

Holes

725 ✓ P

G ✓ P

5009 ✓ P

717 ✓ P

541 ✓ P

540 ✓ P

} IN SDA

SHALLOW
SYSTEM
ONLY

BOTTOM 4' MAX

APPLICATION

PERCOLATION TESTING

A NO FEE

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 10/3/01

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Buice Property Sec. 1 LOT NO. 11

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

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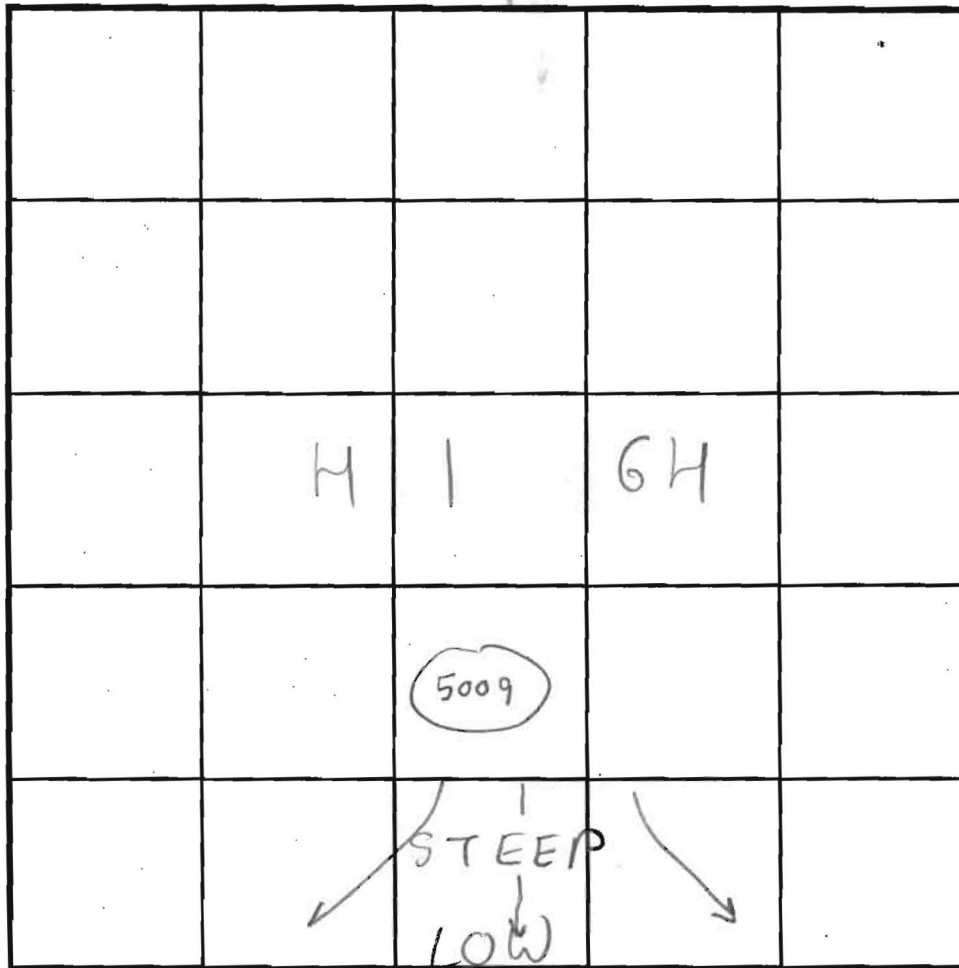
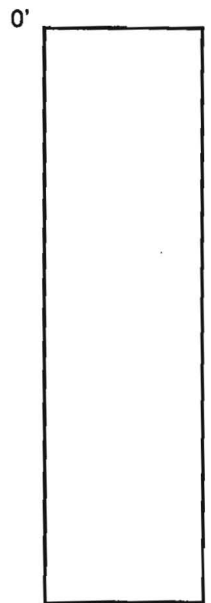
THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' 5009
brown
topsoil
6" red-brown
sandy loam
2' tan-fine
sandy
loam
0-10%
ROCK
FRAGS
8-9' dark brn
quartz
frags w/
manganese
concretions
30-40%
13' HARD

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/3/01	5009	5'5" T 13' V	11:40am	11:41am	11:41am	11:42am	1min	Fails
		Repour	11:42am	11:44am	11:44am	11:46am	2min	OK
		(ROCK FRAGS DO			NOT	BEGIN		
		UNTIL 8' OUT			OF TREATMENT			
		ZONE)						

REMARKS Tests in Woods

TYPE OF SOIL Manor

TESTED BY SRK Willie = operator

ALSO PRESENT Bob Sheesly

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH 3'

INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 4' SQ. FT./BEDROOM

APPLICATION

PERCOLATION TESTING

A 59935K

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

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COLUMBIA, MD 21044

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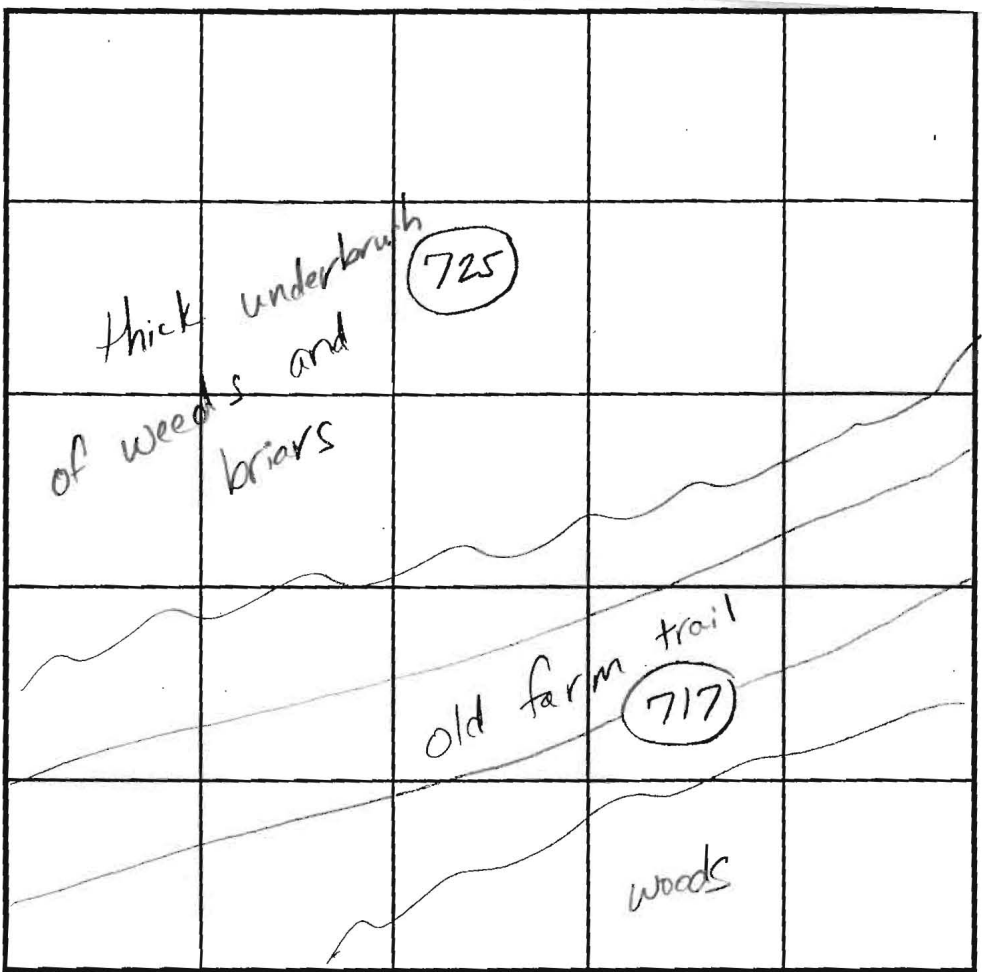
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

SOIL PROFILE
0' 717
orange brown
cl 1m
4'
pink/orange
silt 1m
10% rock
frags
11'

725
orange/red
cl 1m
3.5'
orange/brown/red
silt 1m
10% shale
frags
11.0'



SOIL PROFILE
0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/28/98	717	11.0'D	visual ok - see profile				
10/29/98	725	5.0'S	3:03	3:0430	3:0430	3:0630	2
		11.0'D	visual ok - see profile				

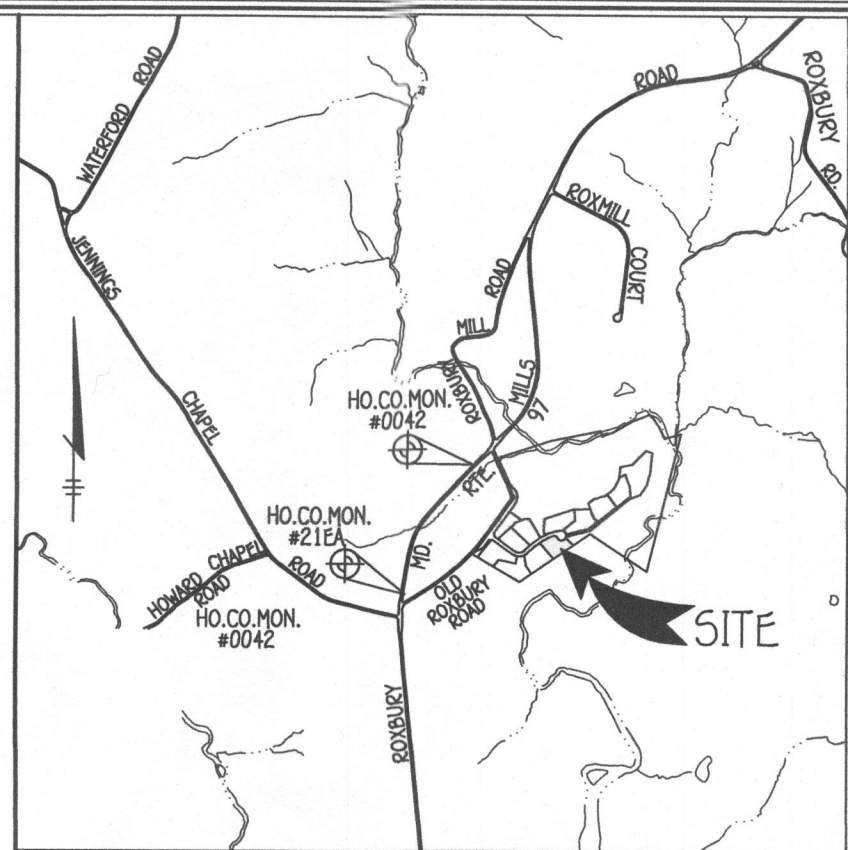
REMARKS test holes staked
TYPE OF SOIL Manor
TESTED BY Jim Maiste ALSO PRESENT Sam
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH 3
INLET DEPTH 2 MAXIMUM BOTTOM DEPTH 4 SQ. FT./BEDROOM 180

SOILS LEGEND		
SOIL	NAME	CLASS
GgB	Glenn loam, 3 to 8 percent slopes	B
MaC	Manor loam, 8 to 15 percent slopes	B
McC	Manor-channery loam, 8 to 15 percent slopes	B
MkF	Manor-Brinklow complex, 25 to 65 percent slopes, very rocky	B

- NOTES:
- Hydric soils and/or contains hydric inclusions
 - May contain hydric inclusions
 - Generally only within 100-year floodplain areas

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES PROPOSED WELL
- DENOTES PASSED PERC
- DENOTES 1500 SQ.FT. ALTERNATE WELL SITE TO BE REMOVED



VICINITY MAP

NOTE

THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO #94-3841, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWERAGE EASEMENT. RECONSTRUCTION OF A MODIFIED SEWERAGE EASEMENT 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.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL, INTERPOLATED FOR 1' CONTOUR INTERVAL AND SUPPLEMENTED WITH FIELD TOPOGRAPHIC SURVEY BY FISHER, COLLINS AND CARTER, INC..
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- PLAT REFERENCE NO.: 18208 THRU 18210
- THIS PROPERTY IS LOCATED WITHIN 2500 FEET OF THE TRIADAPLHIA RESERVOIR. COMAR 26.04.02.04K, STATES: "A LOT LOCATED WITHIN 2500 FEET OF THE NORMAL WATER LEVEL OF EXISTING OR PROPOSED WATER SUPPLY RESERVOIRS, MEASURED HORIZONTALLY OR WITHIN A 5000-FOOT RADIUS UPSTREAM FROM THE WATER INTAKE ON STREAMS USED AS POTABLE WATER SUPPLY SOURCES AND A 5000-FOOT RADIUS OF WATER INTAKE LOCATED WITHIN A RESERVOIR SHALL HAVE AN AREA OF NOT LESS THAN 2 ACRES WITH A MINIMUM WIDTH OF 175 FEET". A VARIANCE FROM HIDE TO THIS SECTION OF THE REGULATION MUST BE OBTAINED AND DOCUMENTATION SUBMITTED TO THE HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF THE PRELIMINARY PLAN FOR SIGNATURE.
- LOTS 3, 4, 5, 7 AND 8 SHALL HAVE SEPTIC SYSTEMS INSTALLED PRIOR TO BUILDING PERMIT ISSUANCE.

THE PURPOSE OF THIS PLAN IS TO REMOVE THE 1500 SQ.FT WELL BOX TO THREE ALTERNATE WELL SITES.

PERC RECERTIFICATION PLAT RIVERCREST

LOT 7

15428 RIVERCREST COURT

ZONED: RC-DEO PLAT NO.: 18208 THRU 18210
TAX MAP NO.: 21 GRID NO.: 20 PARCEL NO.: 84
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: APRIL 20, 2016

SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10072 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461 - 2899

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.

Signature of Professional Land Surveyor
Terrell A. Fisher, Professional Land Surveyor
10692 Expires 12/13/17

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

COUNTY HEALTH OFFICER

OWNER

ROXBURY FARMS LLC, C/O
COLUMBIA DEVELOPERS LLC
6420 AUTUMN SKY WAY
COLUMBIA, MARYLAND 21044
410-730-3940

BUILDER/DEVELOPER

COLUMBIA BUILDERS
P.O. BOX 999
COLUMBIA, MARYLAND 21044
410-730-3940

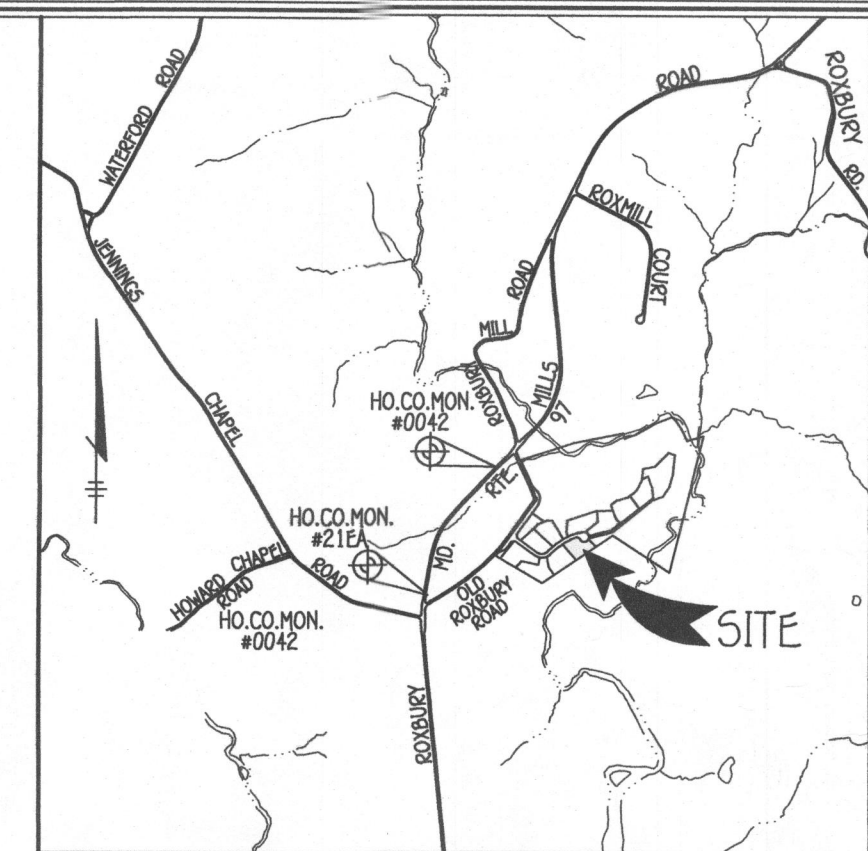
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LEGEND

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- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- DENOTES PASSED PERC
- ⊞ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE TO BE REMOVED



VICINITY MAP

NOTE

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I certify that the location shown herein was 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: *Terrell A. Fisher* 4/20/16 Date
Terrell A. Fisher, Professional Land Surveyor, License No. 10692 Expires 12/13/17

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HOWARD COUNTY HEALTH DEPARTMENT.
Signature of County Health Officer: *Robert J. Carter* 4/22/16 Date
COUNTY HEALTH OFFICER

OWNER
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COLUMBIA DEVELOPERS LLC
6420 AUTUMN SKY WAY
COLUMBIA, MARYLAND 21044
410-730-3940

BUILDER/DEVELOPER
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