

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 Elm Street Development

ADDRESS 6820 Elm Street, Suite 200, McLean, VA 22101 PHONE (703) 734-9730

AGENT OR PROSPECTIVE BUYER Mildenberg Boender And Assoc.

ADDRESS 5072 Dorsey Hall Drive, Ellicott City MD, 21042 PHONE 410 997-0296

PROPERTY LOCATION:

SUBDIVISION Shapiro Property LOT NO. 9 5

ROAD AND DESCRIPTION Long Corner Road, 1500 ft South of New Cut Road/Long Corner Road intersection.

TAX MAP 6,12 PARCEL # 9

SIZE OF LOT 40,070 Sq. ft. TYPE BLDG. Single Family Dwelling
(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.

(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

COUNTY #

SOIL PROFILE

0' (34)

1' Topsoil
org brn
cl 1m3 1/2' Lt brn
sil 1m
40%
Shale

6' 60% Shale

7' Refusal

(29)

1' Topsoil

Red Brn
cl 1m
Shale frag4 1/2' light brn
sil 1m
Shale frag
35-40%

7' Refusal

(30)

1' Topsoil

Rd brn
cl 1m
Shale frag4' Lt brn
sil 1m7' 50%
Shale

8 1/2' Refusal

SOIL PROFILE

0' (42)

1' Topsoil
org brn
clay 1m3 3/4' Lt org brn
silt loam
30% shale6 1/2' 60%
shale

9' Refusal

(57)

1' Topsoil

org brn
cl 1m4' Lt org
brn sil 1m6' 50% + shale
9' Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Long Corner Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-10-01	34	7.0'D	Refusal	-see	profile		FAIL
	29	7.0'D	Refusal	-see	profile		FAIL
	42	4' 8"	1:21	1:28	1:28	1:42	1 1/4
		9.0'D	Refusal	-see	profile		FAIL
	30	8 1/2'D	Refusal	-see	profile		FAIL
	(57)	9.0'D	Refusal	-see	profile		FAIL

REMARKS

holes tested as stacked

TYPE OF SOIL

TESTED BY

DKC/KG

ALSO PRESENT

GTA-Natty

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

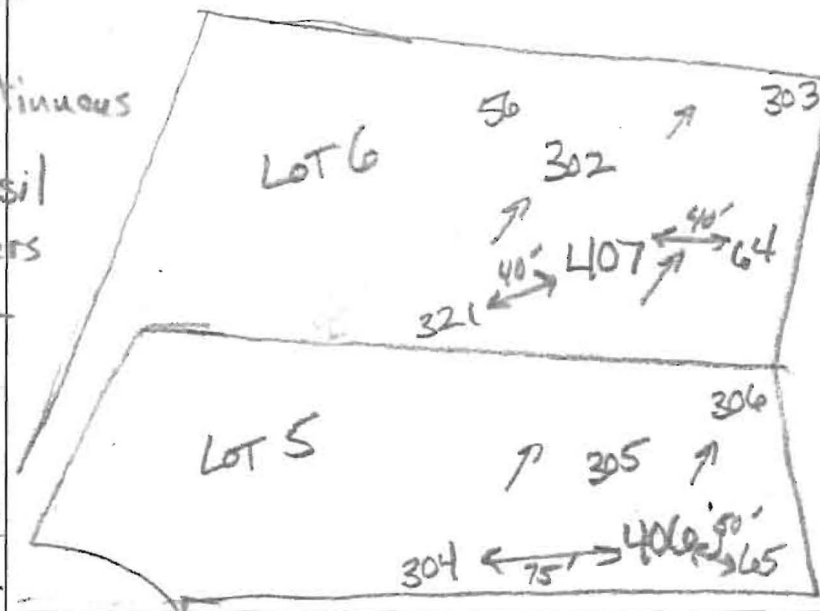
TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

Lots 516



	406	
9"	brn ch sil	
	yel-brn chl	
21"	2 f sbk	
	brn vch sil	
43"	40% ch	
	yel-brn vch s	
	55-60%	
	channers	
60"	(5.7')	

[illegible]

REMARKS 407 ~10% slope ; 406, ~11% slope

SANITARIAN D. Bricker BACKHOE Jannie (Hartfield) OTHERS Tyson Van Kirk

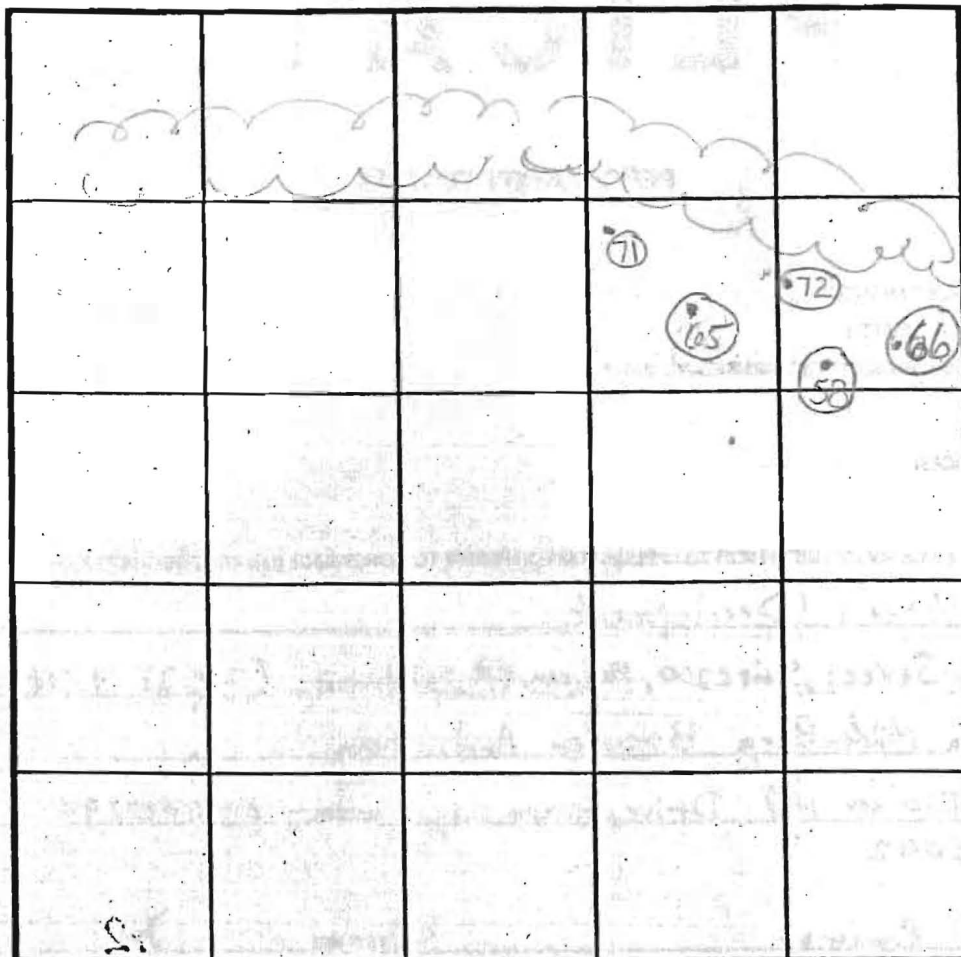
TEST HOLES USED IN SDA H. Oswald Adore AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

COUNTY #

SOIL PROFILE

0' (71)
 1' Topsoil
 rd brn
 cl 1m
 20-25%
 rock
 frag
 3 1/2' br si 1m
 70%
 rock
 frag
 Refusal



SOIL PROFILE

0' (66)
 1' Topsoil
 Rd brn
 cl 1m
 20%
 rock frag
 4' 70%
 rock frag
 org lt brn
 si 1m
 8' Refusal
 (58)
 1' Topsoil
 org brn
 cl 1m
 20-25%
 rock frag
 4' 70%
 rock frag
 br si 1m
 8 3/4' Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-11-01	71	8'8" D	Refusal	- see profile			FAIL
	65	4'10" S	12:01	12:07 12:07.12	12:07.5	12:13	G
		9' D	Refusal	- see profile			OK
	72	4'10" S	12:11	12:14	12:14	12:20	G
		11'6" D	Refusal	- see profile			OK
	66	8' D	Refusal	- see profile			FAIL
	58	8'3" D	Refusal	- see profile			FAIL

REMARKS

holes tested as staked

TYPE OF SOIL

TESTED BY

DLC/XG

ALSO PRESENT

GTA-NORTH

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

6' H brn
 si 1m
 30% rock frag
 Refusal
 9' (72)
 1' Topsoil
 Rd brn
 cl 1m
 5-10% brk frag
 3-3 1/2' org beige
 si 1m
 20%
 rock
 frag
 11'6" Refusal

A/P

Lot 5



304

dark brn
l sbkbrn yellow
silt dense4' 35-40%
channery
flaggy
yellow, brn red
heavy siltbrn yellow
silt ss

11' 12' refusal

305

dark brn
l sbk1' st. brn
silt
dense
heavy silt4' 35%
channery
brn yellow / st. brn
med. silt clw

304

305

304

306

dark brn
l sbkst. brn
silt sbktransition heavy
silt6' 35%
channery
flaggy
brn yellow
st. brn
silt clw

14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/7/08	304	5' 11'	12:58	No movement			—
	"	6'	1:24	1:30	1:54	24	P
	305	3' 5' 10"	1:07	1:09	1:12	3	P
	306	7' 14"	1:42	1:48	2:03	15	P

REMARKS

Holes dug per state

#30 SEALS
#306 GABLE

SANITARIAN

SS

BACKHOE

OTHERS

M. Hitzler GFA

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE S/W

Elm St Dev

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
6/6/94	Chelsea Knolls Lot 5
	Perc Location #57 has (described)
	50%+ rock beginning at 6', refusal at 9'
	Sand-lined trenches may be needed.
	An observation pit at building permit stage or at septic system pre-construction meeting is recommended.
	R Buckel
	LPD - bottom area only at 6' Bottom
	illustrate only the initial system on BAT Plan
	install initial system in lower SDA

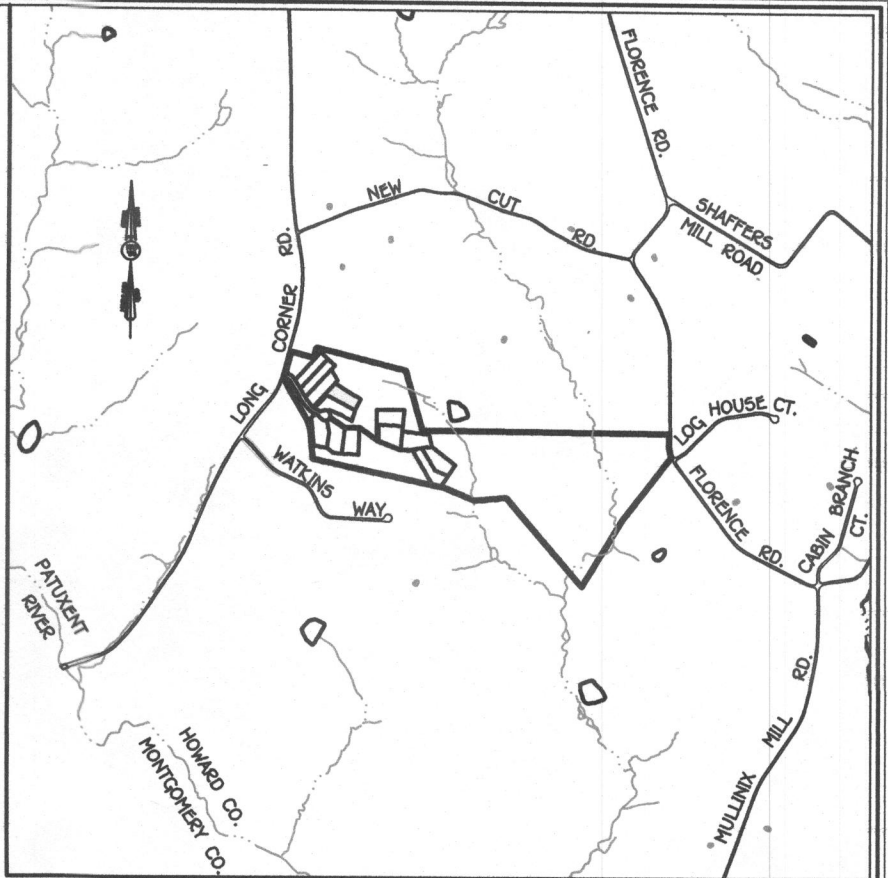
SOILS LEGEND		
SOIL	NAME	CLASS
MTB2	Mt. Airy channel loam, 3 to 8 percent slopes, moderately eroded	A
MC2	Mt. Airy channel loam, 8 to 15 percent slopes, moderately eroded	A

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
- SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES EXISTING FOREST CONSERVATION EASEMENT
- ⊞ DENOTES 1500 Sq.Ft. ALTERNATE WELL ZONE
- ➔ DENOTES PASSED PERC JULY 2011
- DENOTES SOIL PROFILE APPROPRIATE FOR MOUND SYSTEM
- ⊙ DENOTES AN EXISTING WELL



VICINITY MAP

SCALE : 1" = 2000'

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. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOTS SHOWN HEREON COMPLY 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 2' CONTOUR INTERVAL AND SUPPLEMENTED BY FIELD RUN TOPOGRAPHY BY MILDENBERG, BOENDER AND ASSOC. ON OR ABOUT SEPT. 2001.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- PLAT REFERENCE 22016-22019.
- THE WELL ON LOT 6 WAS ESTABLISHED OUTSIDE OF THE APPROVED WELL ZONE AS A REPLACEMENT WELL BY THE WELL DRILLER. IT WAS DISCOVERED BY THE RECORD PLAT THAT THE WELL ON LOT 6 IS LESS THAN 10 FEET FROM THE ESTABLISHED LOT LINE SEPARATING LOTS 5 AND 6.
- ON EVERY LOT IN THIS SUBDIVISION, ALL SEPTIC SYSTEM EFFLUENT DISTRIBUTION WILL BE BY PRESSURIZED SYSTEMS. AS IT FOLLOWS, ALL SEPTIC SYSTEM INSTALLATION PLANS MUST INCLUDE LOW-PRESSURE DISTRIBUTION DESIGN.
- ON LOTS 5 AND 6, THE APPROVED SEWAGE DISPOSAL AREAS MUST BE EVALUATED FOR MOUND SYSTEMS PRIOR TO INSTALLATION OF ANY REPAIR SEPTIC SYSTEM.

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

12/16/15
Date

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

Approved for Maurea Rooshman
COUNTY HEALTH OFFICER

12/23/2015
DATE

PERC RECERTIFICATION PLAN
CHELSEA KNOLLS

LOT 6

ZONING: RC-DEO

TAX MAP No. 12 GRID No. 5 PARCEL No. 78

FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 60'

DATE: December 16, 2015

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2895

Purpose Note

PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN REVISION IS TO
REVISE LOT 6 WELL BOX TO A EXISTING WELL AND 2 ALTERNATE WELL SITES.

OWNER

CHELSEA KNOLLS, LC
1355 BEVERLY RD. SUITE 240
MCLEAN, VIRGINIA 22101 (703)
734-9730
(301) 720-3021

DEVELOPER

RYAN HOMES, INC.
ATTN: KEVIN BOWSER
9720 PATUXENT WOODS DRIVE
COLUMBIA, MARYLAND 21046
410-796-0980