

APPLICATION

PERCOLATION TESTING

A 516902

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 Payne

ADDRESS P.O. Box 581 Mt. Airy 21771 PHONE _____

AGENT OR PROSPECTIVE BUYER Ridge View LLC Charles A Sharp

ADDRESS P.O. Box 228 Clarksville 21029 PHONE 410 4894630

PROPERTY LOCATION:

SUBDIVISION Long Corner Rd. Payne Prop LOT NO. 19

ROAD AND DESCRIPTION Long Corner Rd

TAX MAP 6 PARCEL # 57

SIZE OF LOT 40, - 60,000 sq. ft. TYPE BLDG. residential
(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. C.A. Sharp
(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

NOT TO SCALE

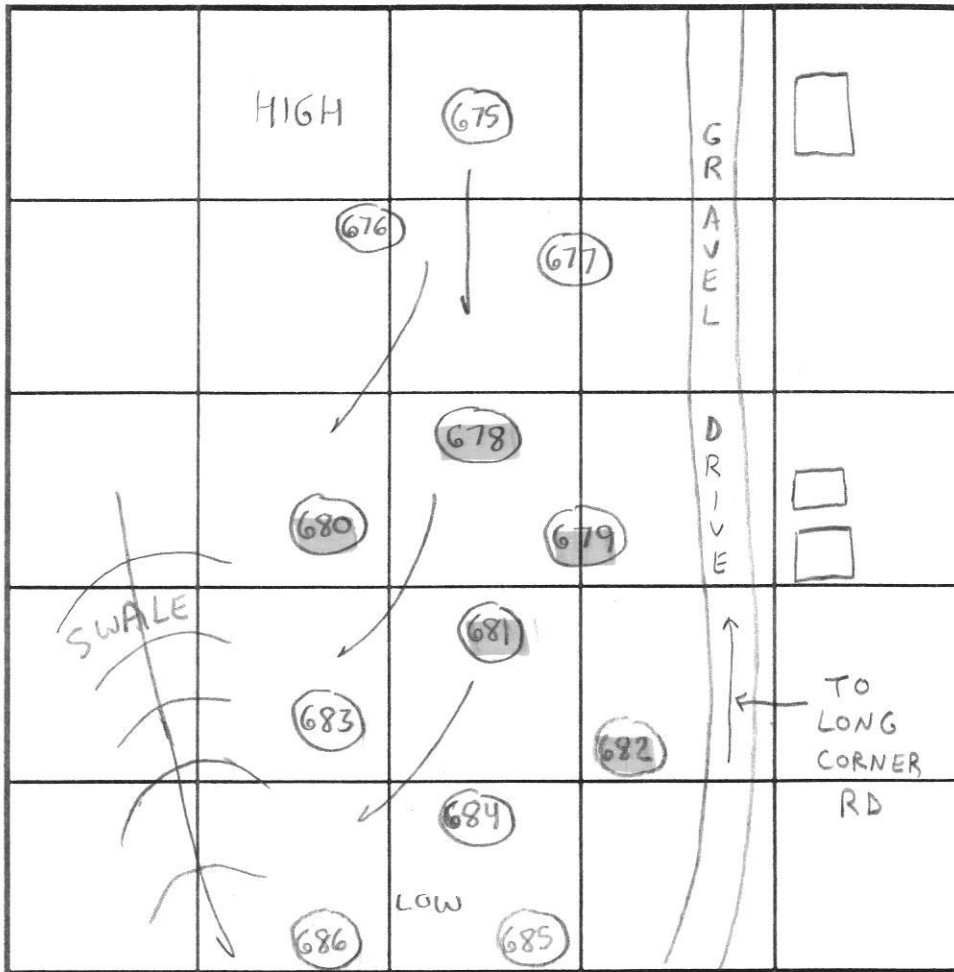
COUNTY #

SOIL PROFILE

0' 678
 6" dark-brn topsoil
 4' red-brn silty clay 1m
 tan-beige sandy 1m
 channery 10-20% mica
 SCHIST WEATHERED
 14'

679
 6" dark-brn topsoil
 6' orange brown silty clay 1m
 6'6" tan-yellowish white fine sandy 1m
 10-15% weathered mica schist
 14'

680
 4" dark-brn topsoil
 4'6" red-brn silty clay 1m
 tan-brn/beige sandy 1m
 channery 10-20% mica
 SCHIST WEATHERED
 14'



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		
4/2/02	678	14'V	(VISUAL OK)		SEE	SOIL PROFILE		OK
4/3/02	679	7' / 14'V	11:00am	11:26am	11:26am	11:56am	30min	OK
4/2/02	680	5' / 14'V	5:08pm	5:15pm	5:15pm	5:20pm	5min	OK

REMARKS Holes per stake, Contour per plan, Treatment Zone Verified
 TYPE OF SOIL Mapped as Glenelg
 TESTED BY SRK Jeff Allen = Backhoe ALSO PRESENT Chuck Sharp
Richard Demmitt
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10min TRENCH WIDTH 3'
 INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 7' SQ. FT/BEDROOM 240 on

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Payne Property
STREET NAME: Long Corner Rd

A 516902
LOT NUMBER: 17 on P.C.

AVERAGE PERCOLATION RATE: 17 min SQUARE FEET PER BEDROOM: 240
NUMBER OF BEDROOMS: _____ LINEAR FEET OF TRENCH PER BEDROOM: _____

TOTAL LINEAR FEET OF TRENCH: _____ SEPTIC TANK CAPACITY: _____

TOP SEAMED TANK REQUIRED? YES NO
COMPARTMENTED TANK REQUIRED? YES NO
w/effluent filter

*Give credit for 4' effective area
(3' bottom + 1' sidewall)*

TRENCH DIMENSIONS: Trench to be 3 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective ^{sidewall} area begins at 4± feet below original grade. 5 feet of stone below distribution pipe. *System design by SRK & Barry Glotfelty. Stone close to surface for better oxygenation of trenches*

PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber.

YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

LOCATION: _____

ADDITIONAL NOTES: Trenches should not be any deeper than 7'.
" " be definitely 3' wide.
Shallow inlet recommended for better oxygenation of trenches.

Reviewer: SRK

Date: 4/10/02



HOWARD COUNTY HEALTH DEPARTMENT

68889

DATE
5/13/21

Received From

Benchmark

PHONE #

40465-6105

Eng.

For

Revisions - Lot 17

CASH

CHECK

NO.

004631

Twenty-two

Dollars

\$ 22.00

Received By

King



HOWARD COUNTY HEALTH DEPARTMENT

68889

DATE
5 / 3 / 21

Received From

benchmark

PHONE #

410 465 6105

For

Revisions - Lot 17

CASH

CHECK

NO.

004631

Twenty-two

Dollars

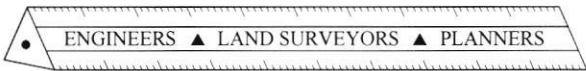
\$

22 00

Received By

King

BENCHMARK



ENGINEERING, INC.

8480 Baltimore National Pike * Suite 315 * Ellicott City, Maryland 21043
(410) 465-6105 (410) 465-6644 Fax

LETTER OF TRANSMITTAL

TO: Howard County Health Department
Environmental Health

DATE: 4/29/2021	PROJECT NO.: 2986
ATTENTION:	
RE: Windsor Forest Knolls	
Lot 17 Revised Percolation Certification	

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Photocopies Prints Originals Samples
 Specifications Invoices Change Order Other _____

COPIES of	No. of SHEETS	DESCRIPTION
3	1	Lot 17 Revised Percolation Certification

THESE ARE TRANSMITTED as checked below:

- For Comment For Your Use For Approval
 For Review As Requested Other _____

REMARKS: First Submission of a revised percolation certification

COPY TO: _____

RECEIVED BY: _____

If enclosures are not as noted, kindly notify us at once.

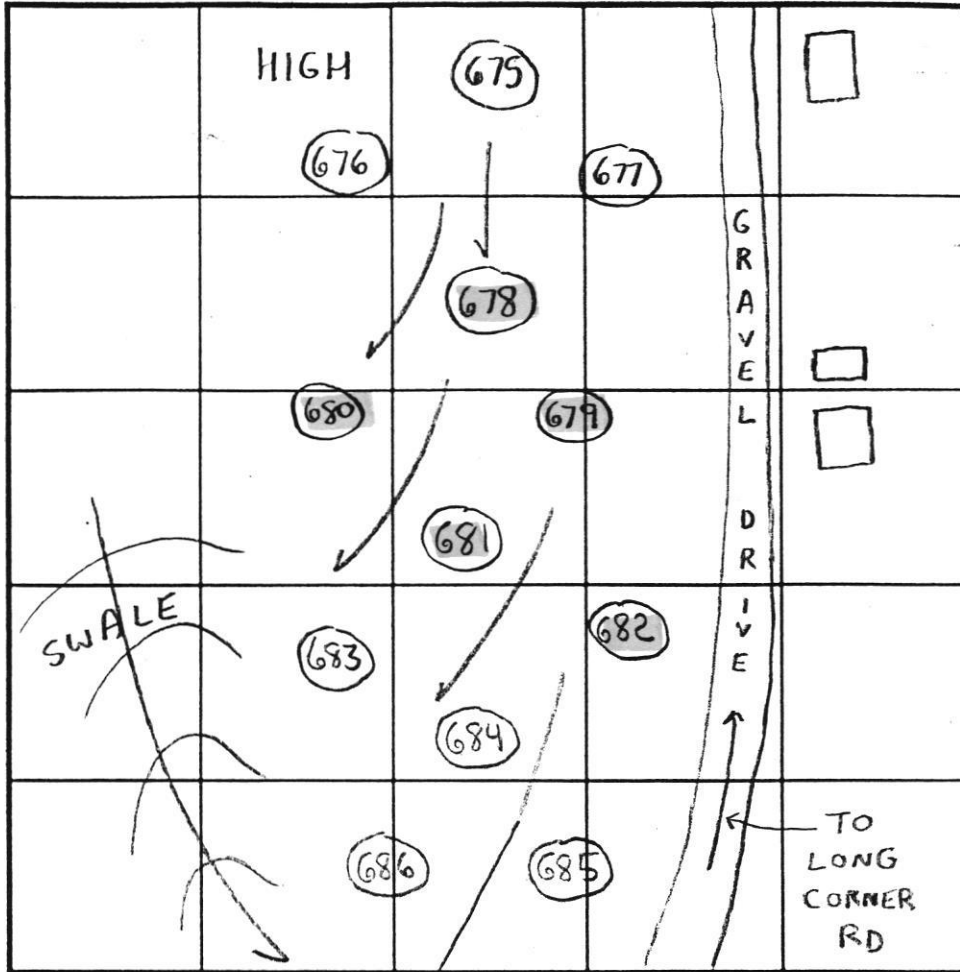
SIGNED: 

NOT TO SCALE

COUNTY #
SOIL PROFILE
681/684
0' dark brn topsoil
6" orange-brn clay lm
4'6" yellow-tan/white fine sandy lm
5-15% decayed mica
SCHIST WEATHERED
13'

682
4" dark-brn topsoil
orange-brn clay lm
5' yellow-tan fine sandy lm
25-35% mica
SCHIST WEATHERED
14'6"

683
4" dark brn topsoil
orange-brn dense silty clay lm
5' red-brn channery sandy lm
20-30% mica
SCHIST WEATHERED
14'6"

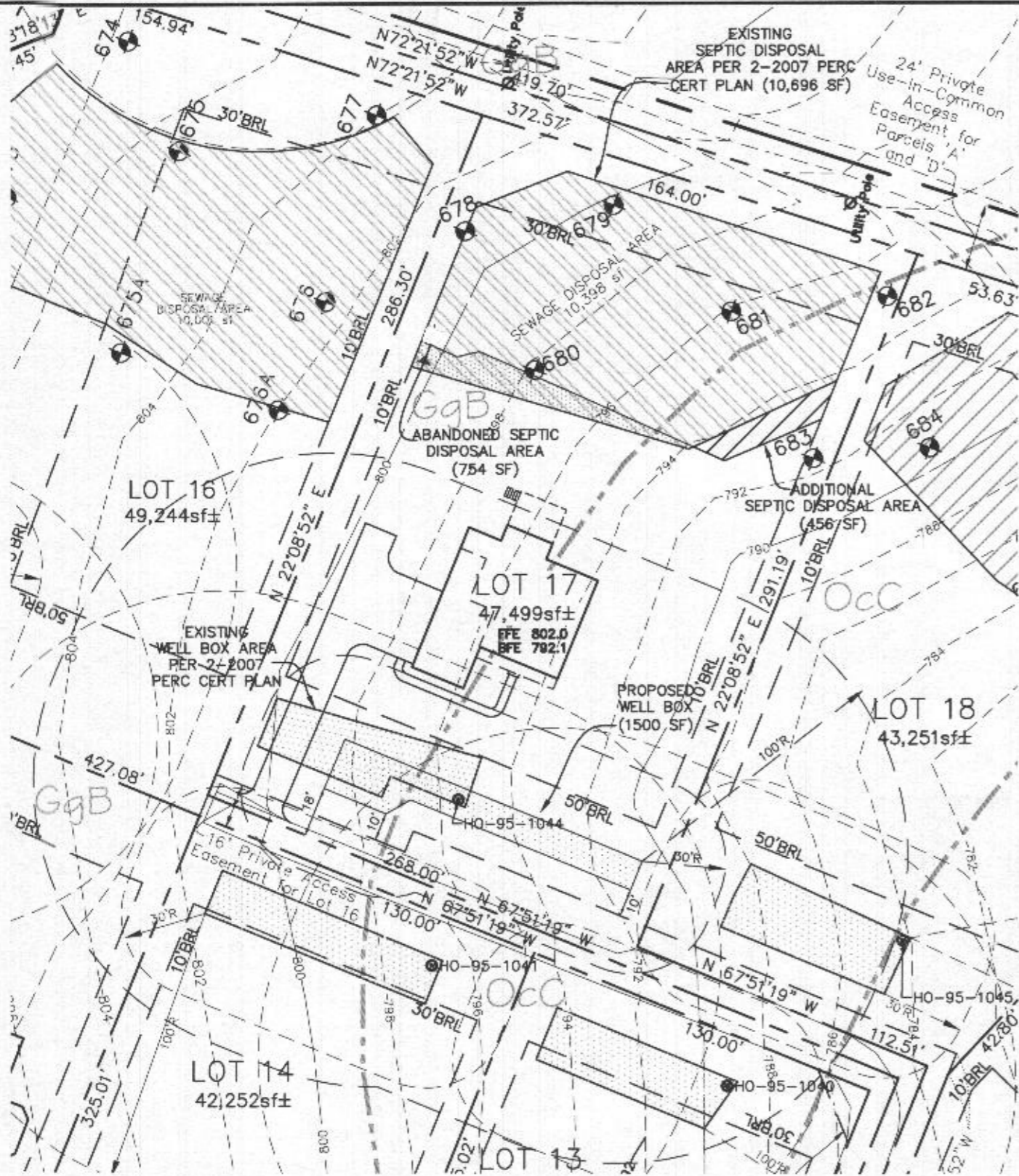


SOIL PROFILE
685/686
0' dark-brn topsoil
4" red-brn clay lm
5' orange-tan fine sandy lm
5-10% mica
SCHIST WEATHERED
13-14'
685A/686A
1' brown topsoil
orange-brn clay lm
3' tan-org brn fine sandy lm
10-20% mica
SCHIST
13'

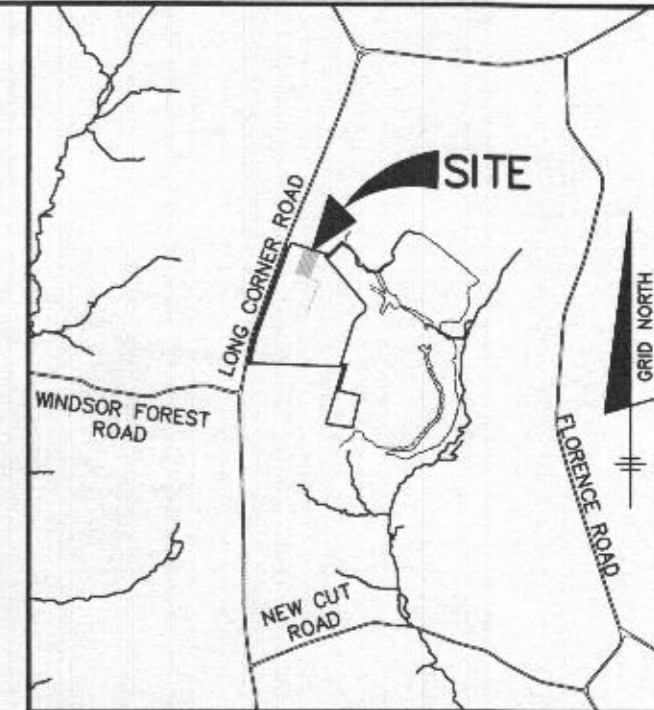
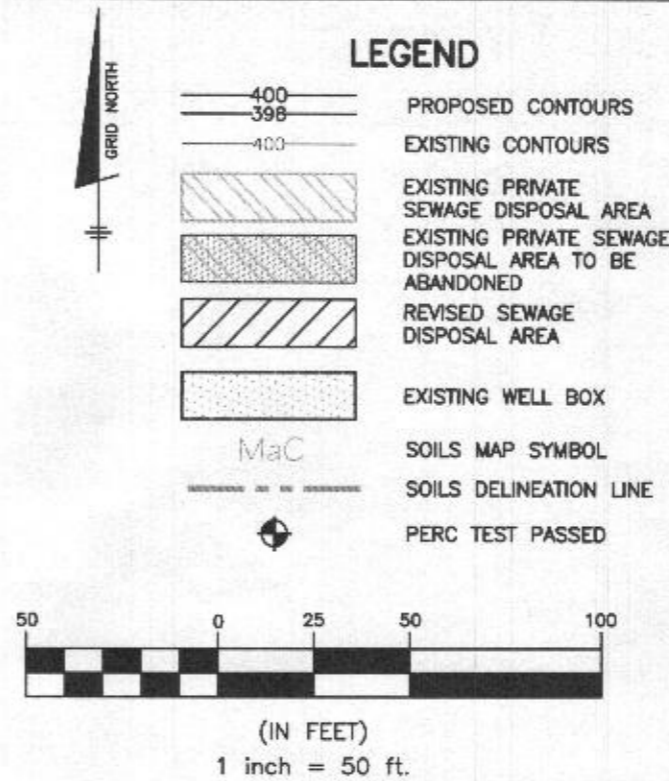
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/3/02	681/684	13-14'V	(VISUAL)	OK	SEE SOIL PROFILE			OK
	682	6'T 14'6"V	11:08am	11:23am	11:23am	11:40am	17min	OK
		9'T 14'6"V	11:10am	11:15am	11:15am	11:38am	13min	OK
	683	4'6" T 14'6"	11:21am	11:29am	11:29am	11:46am	17min	OK
		8'T 14'6"	11:20am	11:34am	11:34am	11:50am	16min	OK
	685	5'T 13'V	12:22am	12:29am	12:29pm	12:53am	24min	OK
5/13/02	685A	3'6" T 15V	1:16pm	1:18pm	1:18pm	1:20pm	2min	OK
4/3/02	686	7'T 14'V	12:52pm	1:13pm	1:13pm	1:28pm	15min	OK
5/13/02	686A	4'T 13'V	1:22pm	1:24pm	1:24pm	1:26pm	2min	OK

REMARKS: Holes per stake, Contour per plan, Treatment Zone Verified
 TYPE OF SOIL: Glenelg & Mt. Airy Channery
 TESTED BY: SRK Jeff Allen = Baseline ALSO PRESENT: Chuck Sharp
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 18min TRENCH WIDTH 3'
 INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 6' SQ. FT./BEDROOM 240



PLAN VIEW
1" = 50'



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT. THE LOT SIZE FULFILLS THE REQUIREMENTS OF THE ZONING REGULATIONS, AND IS A RECORDED LOT, PLAT 19395.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
3. TOPOGRAPHY SHOWN WAS BASED ON FIELD RUN TOPOGRAPHY BY C.B. MILLER & ASSOCIATES IN APRIL, 2002, AND WAS SUPPLEMENTED BY FIELD RUN TOPOGRAPHY BY BENCHMARK ENGINEERING, INC. IN JULY, 2020 AND CONSISTS OF 2 FOOT CONTOUR INTERVALS.
4. 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.
5. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
6. THE EXISTING WELL SHOWN ON THIS PLAN (HO-95-1044) HAS BEEN FIELD LOCATED IN JULY, 2020 BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
7. PERCOLATION TEST FEE RECEIPT NUMBER IS 516902, DATED 4-4-2002

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD DATA PROVIDED BY HOWARD COUNTY HEALTH DEPARTMENT AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

Alice A. Miller
2021 04 28 09:52:02 -04'00'
ALICE A. MILLER, P.E.
PLAN PREPARER FOR BENCHMARK ENGINEERING INC.

PURPOSE STATEMENT: THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE WELL BOX, TO ALLOW THE DRIVEWAY ACCESS ON THE HIGH SIDE OF THE LOT, AND REVISION OF THE SDA TO INCREASE REAR YARD AMENITY AREA.

PROJECT: WINDSOR FOREST KNOLLS LOT 17	
LOCATION: TAX MAP: 6 - GRID: 16 - PARCEL: 57 18419 HIDDEN CREEK WAY, TAX ID# 04-373332 ELECTION DISTRICT NO. 4 - HOWARD COUNTY, MARYLAND	
TITLE: REVISED PERCOLATION CERTIFICATION PLAN	
HOUSE TYPE: CUSTOM - KEYSTONE HOMES	
DATE: APRIL, 2021	PROJECT NO. 2986
SCALE: AS SHOWN	DRAWING <u>1</u> OF <u>1</u>

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

For [Signature]
HOWARD COUNTY HEALTH OFFICER *12/11/21*
DATE

OWNER/BUILDER:
KEYSTONE CUSTOM HOMES, INC.
227 GRANITE RUN DR.
SUITE 100
LANCASTER, PA 17601
717-464-9060

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315
ELLCOTT CITY, MARYLAND 21043
(P) 410-485-6105 • (F) 410-485-8644
WWW.BEI-CIVILENGINEERING.COM