

APPLICATION

PERCOLATION TESTING

A 516084

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 Security Development

ADDRESS P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Homewood LOT NO. _____

ROAD AND DESCRIPTION Homewood Road

TAX MAP 23+29 PARCEL # 20+86

SIZE OF LOT 1 Acre ± TYPE BLDG. SFD
(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

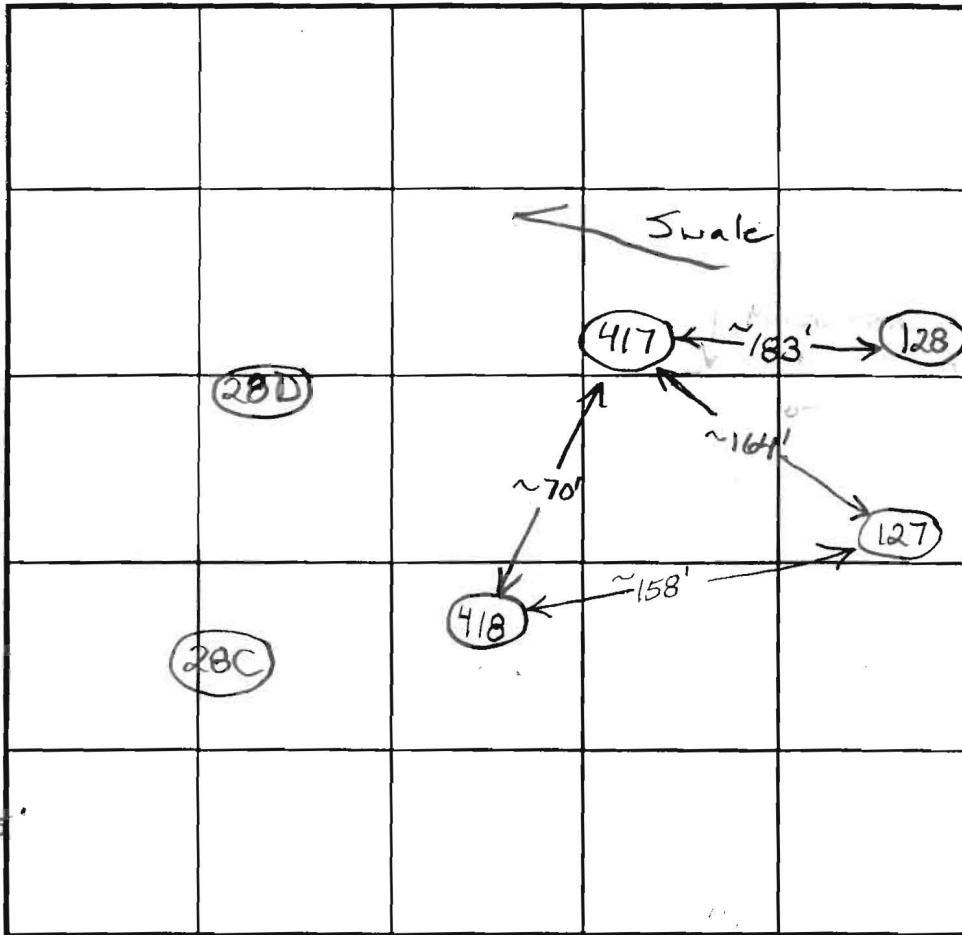
COUNTY #

SOIL PROFILE

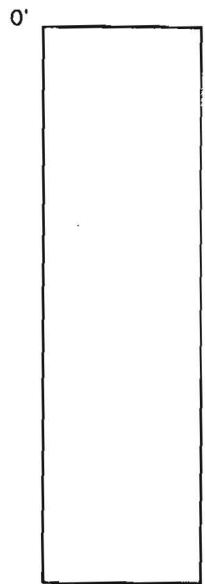
0' **(417)**
 Red Br Clay Loam 3.5'
 Red Sa Clay Loam 5'
 Tan/Fs Clay Loam 6/10-30%
 Cobble Quartz rock
 No Obvious signs of mottling water 14.5'

(418)

Red Br Heavy Loam 3'-5'
 Beige Sa Loam
 ~20% Rock and Saprolite 15'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/25/03	417	6' / 14.5' V	1:10	1:11	1:11	1:14	3	O.K.
		5'	1:15:15	1:19:30	1:19:30	1:26:30	7	
	418	4'3" / 15' V	1:24	1:31	1:31	1:43	12	O.K.
		5'10"	1:24:30	1:27	1:27	1:30:30	3 1/2	

REMARKS Move 10' Farther out of Swale with (417)

TYPE OF SOIL _____

TESTED BY B. Baker / F. Alfonso ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

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PROPERTY OWNER SECURITY DEVELOPMENT, L.L.C.
P.O. BOX 417
ADDRESS ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HOMEWOOD LOT NO. 28

ROAD AND DESCRIPTION HOMEWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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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. By: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K BIRFORD

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

516084

COUNTY #

SOIL PROFILE

(28D)

Red Br Heavy Loam 3'-3.5'

Or Br Sa Loam with slight amount of clay ~10% Rock 9'

Tan Sa Loam ~10% Rock No Strong Evidence of Mottling 14.5'

Dry

(28A)

Red Br Gravelly Heavy Loam 2.5'-4.5'

Or Br Sa Loam with small amounts of clay ~10% Rock 8'-9'

White Sa Loam ~10% Rock 11'

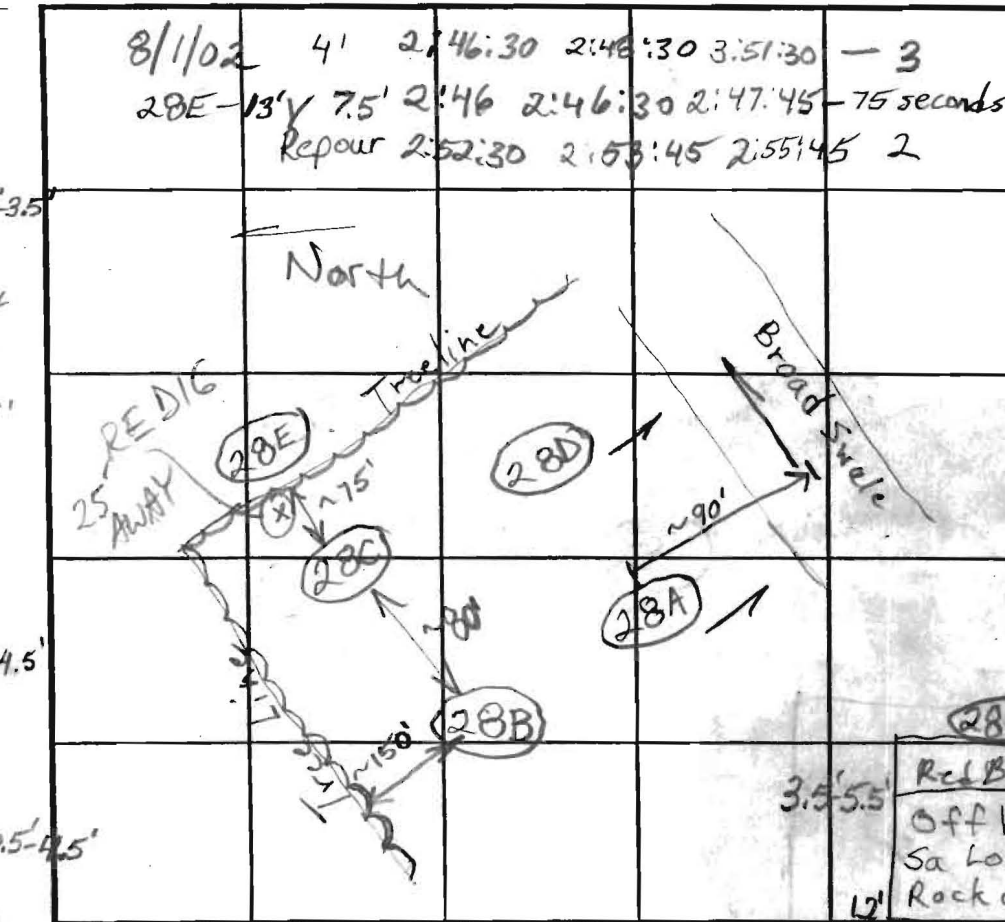
Some H₂O like features but may be just parent material-dry 14'

(28B)

Red Br Heavy Loam 2'-3.5'

Tan Sa Loam Pockets of 750% Rock Below 2'

>50% Rock Below 6'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

(28C)

Red Br Rocky Gravelly Heavy Loam 3.5'-5'

Or Br Sa Loam with slight amount of clay ~25% Rock 8.5'

White Sa Loam Large Pocket of 750% Rock Below 11.5' to Bottom ~30% Rock Average 14.5'

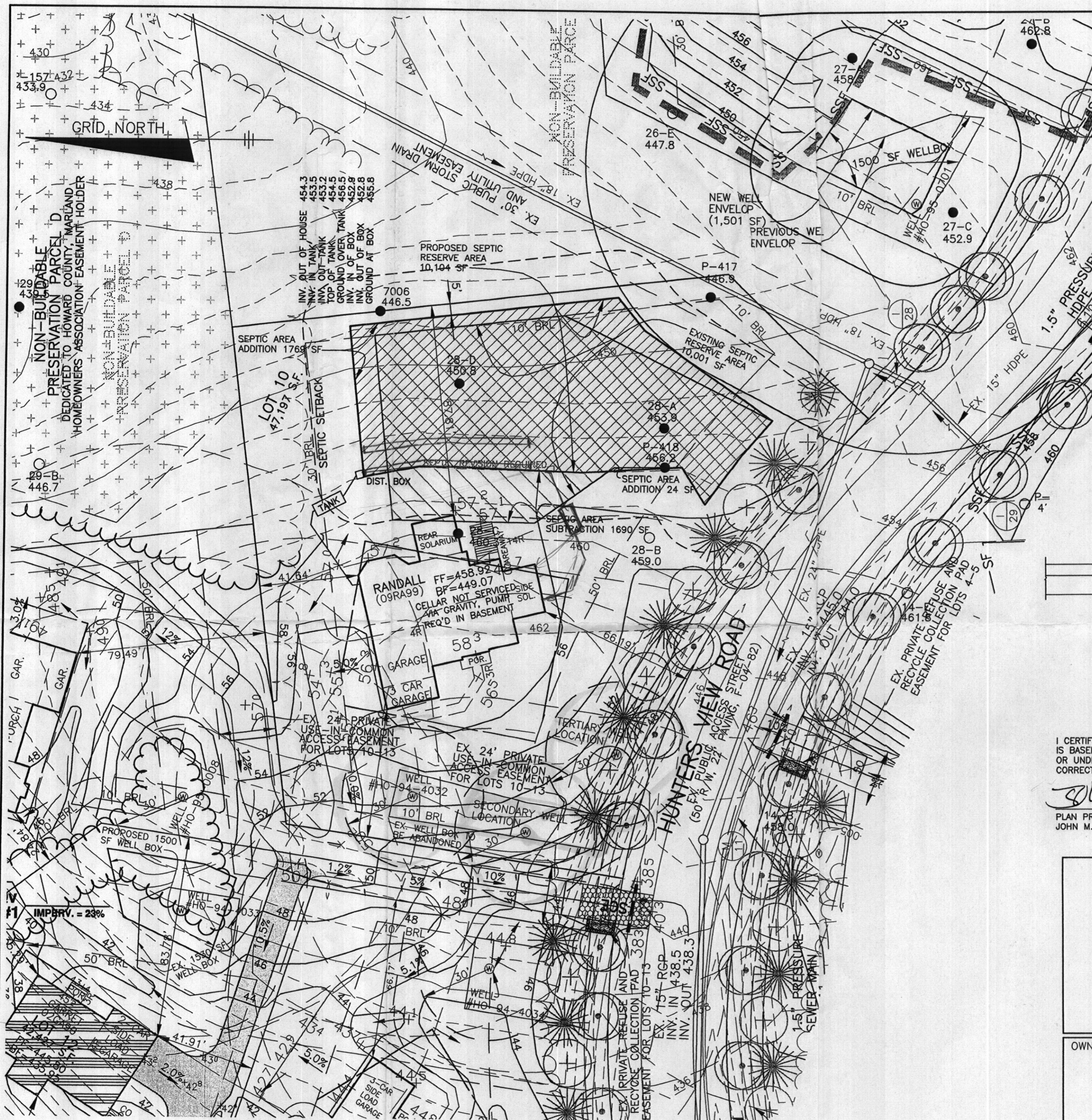
(28E)

Red Br Gravelly Loam Off White Gravelly Sa Loam 30-40% Rock and Gravel 3.5'-5.5'

~40% Rock 12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/24/02	28D	4' / 14.5'	1:27	1:29:30	1:29:30	1:32:30	3	OK
		7'	1:27:20	1:33:20	1:33:20	1:42:20	9	
	28A	3.75' / 14'	1:50	2:01	2:01	2:17	16	OK
		7'	1:51:15	1:58	1:58	2:07:30	9 1/2	
		5'	2:01:30	2:07:30	2:07:30	2:16:30	9	
	(28B)	3.75' / 13'	2:22	2:23:40	2:23:40	2:25:45	~2	(F)
		7'	2:22	2:25:30	2:25:30	2:33	7 1/2	
	28C	4' / 14.5'	less than 1/4" in 10 minutes				5/low	
		6'	2:39:30	2:43	2:43	2:50	7	OK
		5'	2:59	~1/4" in 15 minutes			5/low	

REMARKS: Holes dug per plan 28E NOT DUG (missed by backhoe)
 TYPE OF SOIL: MARGINAL - Additional test hole needed E of 28E
 TESTED BY: BB ALSO PRESENT: HATFIELD'S
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

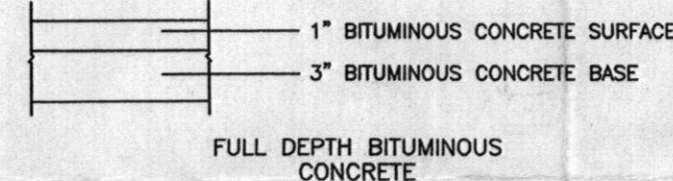


NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 2, PLAT No. 18039. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-05-31 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
9. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-94-4032, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. THE REASON FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC RESERVE AREA, AND THE WELL ENVELOPE TO THREE SPECIFIC WELL SITES, IN ORDER TO ACCOMMODATE THE HOUSE TYPE SHOWN.

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- FAILED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED REVISED SEPTIC RESERVE AREA



PAVING SECTION
NOT TO SCALE

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

John M. Carney 3-24-11
COUNTY HEALTH OFFICER
W. Brian for Peter Brilensky 3/30/2011
DATE

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLCOTT CITY, MARYLAND 21042
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
EMAIL: benchmrk@ccais.com

OWNER/BUILDER:

CAMBERLEY HOMES, INC.
6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MD 20817
PHONE: 301-803-4800
FAX: 301-803-4929

PROJECT:

**RIVERWOOD
LOT 10**

LOCATION: 11050 HUNTERS VIEW ROAD
ELLCOTT CITY, MD 21042
TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20
3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: **PERMIT PLAN AND REVISED
PERCOLATION CERTIFICATION PLAN**

HOUSE TYPE: **RANDALL-09RA99**

DATE: MARCH 22, 2011 PROJECT NO. 1950

DESIGN: JMC DRAFT: MCR SCALE: 1" = 30' DRAWING 1 OF 1

Signed per plan
by H.O.
7-10-03



Remember
is your