

APPLICATION

PERCOLATION TESTING

A 516084

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

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 PHONE (410) 465-4244
21041

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
(80B)

Red Br Heavy
Loam and
Dense Or Br
Loam
Water Seeping
In At Several
Spots Between
4'-6'
~10% Rock

8.5'

Dense Or
Br Gravelly
Loam
25-30%
Rock

13.5'

(507)

Red Br
Heavy Loam

4'-5'

Dense Or Br
Loam
~35% Rock

9'-10'

Dense Or Br
Gravelly
Loam

25-30%
Rock

15'

(230)

Red Br
Heavy Loam

3'-3.5'

Or Br Loam

4'-5'

Or Si Loam
and Sa Loam
~10% Rock

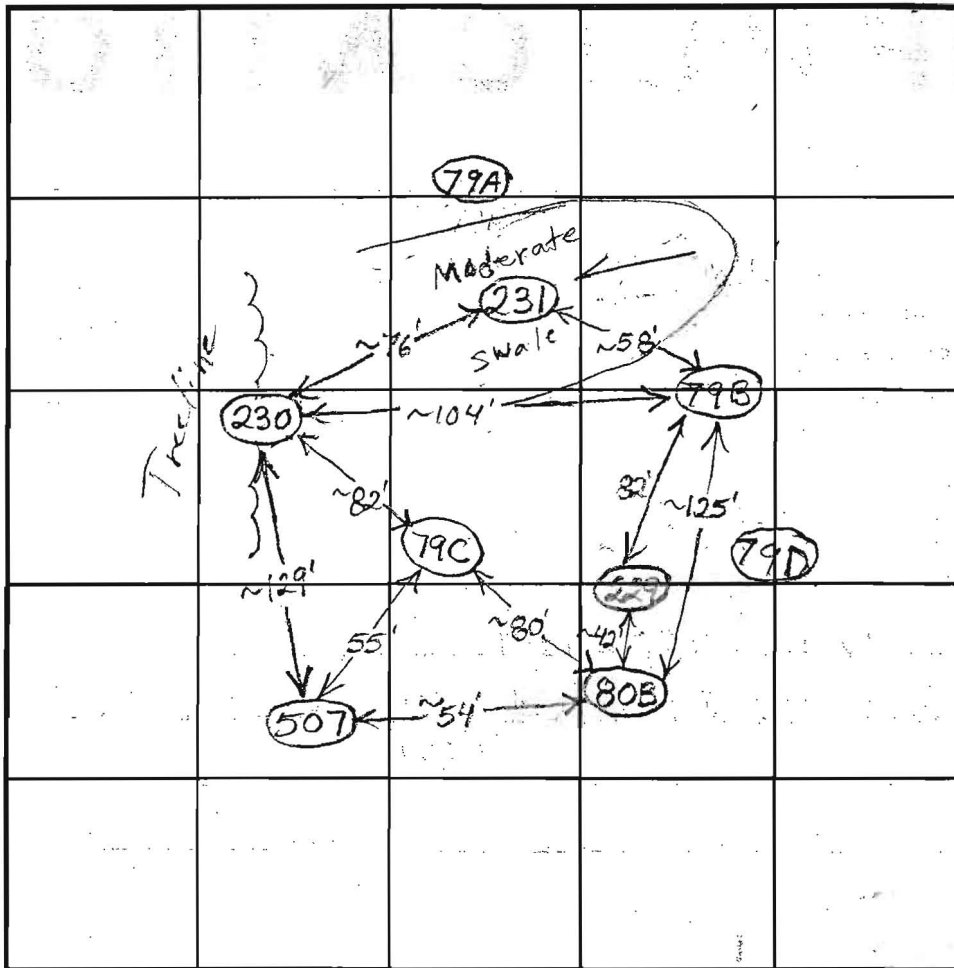
6.5'

Beige
So^l Loam
~20% Rock
and
Saprolite

11'

Wet
Mottled
Water

12.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
(229)

Or Br
Loam

10"

Red
Sa Clay
Loam

5 1/2"

Lt Brown
Sa Loam

25%
Cobbly
Quartz

14"

(231)

Or Br
Loam

1 1/2"

Red
Sa Clay
20-25%

3 1/2"

Lt Brown
Sa Loam

14"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME		
			START	STOP	START	STOP			
5/22/03	80B	7' / 13.5'	4:03	4:28	Pulled out of	Time	Probably Slow	(F)	
	507	6' 4" / 15'	4:01	~ 1/16" in 10 minutes			Slow	(F)	
	229	6' / 14'	4:05	4:12	4:12	4:20	8	O.K.	
5/23/03	230	5.5' / 12.5'	9:47	10:04	10:04	~ 7/8" in 30 minutes	Slow	O.K.	
		7'	9:48	9:50:30	9:50:30	9:54:30	4		
5/23/03	231	4 1/2' / 14"	9:38	9:41	9:41	9:45	4 min		
		6'	9:37	9:39	9:39	9:41	2 min		
			Move Out of Swale - Not Usable						(F)

REMARKS 231 Near Center of Swale -> Move 25' From Center

TYPE OF SOIL 230 Probably O.K.

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. 79
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)

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.
By: STEVEN K BIRBAUM MEMBER
(SIGNATURE OF APPLICANT) STEVEN K BIRBAUM

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

0' 79D

Strong
corn

heavy
-m-sil

7-7 1/2'
med. sized
grain
sand
beige
H. pin
y. brn
Bot. tom

Wet 79C

Dark
Dense
CLLM orange
Loam
Rx=10%

Loamy
Sand
w/
pebbles

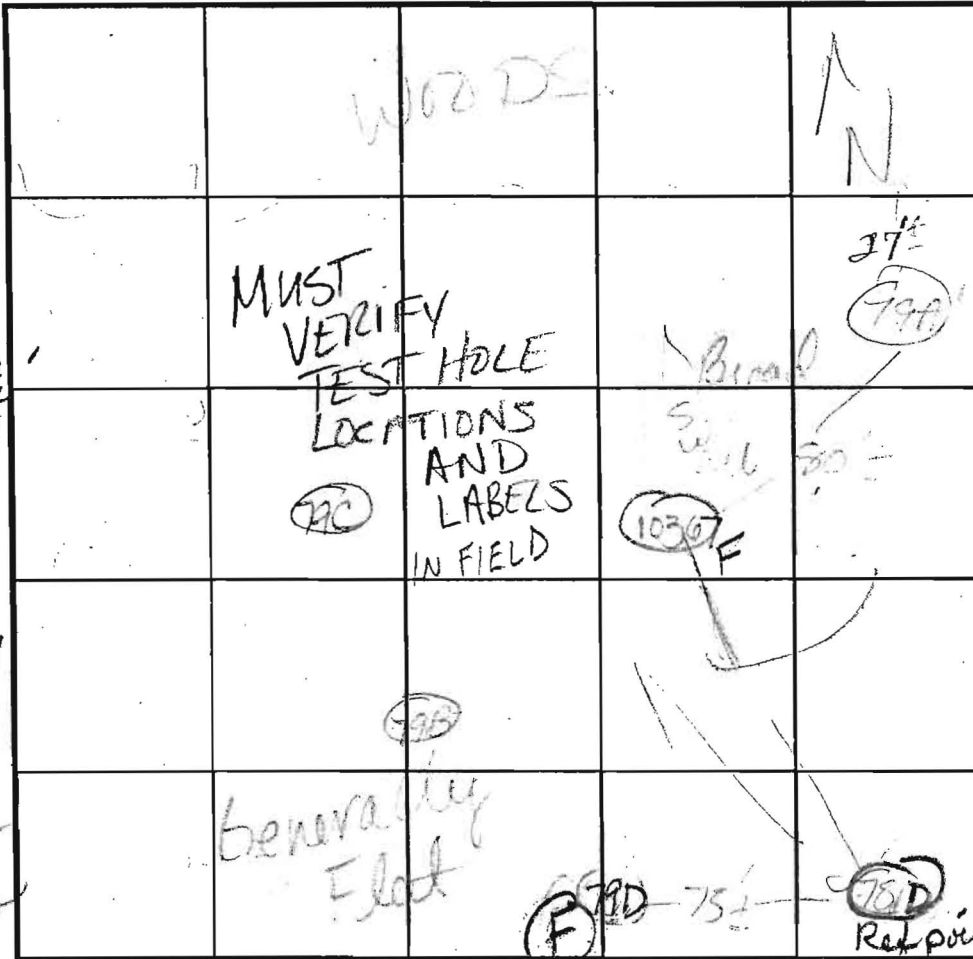
grey
20-25%
Bot. tom

79A

lt. grey
Loam
Rx=7%

Loamy
sand

2-3%
pebbles



SOIL PROFILE

0' 10367

Shm

3 1/2'

Coarse
gravelly
sand

40-
50%
R
Fract

11'

H.B.

A

50%

3 1/2'

50%

2 sand

Bot. 3'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-20-02	79D	7' 10" / 14'	2:10	Too slow to	2nd	(F)	
#10367	79B	10' 1/2" / 13'	2:30:08	2:35	2:44	9 min	OK
w/CLLM	79C	4 1/2' / 5'	2:38:26	2:41	2:46	5 min	
	MARGINAL TO OKAY	Must soil @ 13'			12' say just color		
	10367	11' H. bottom				(F)	
aka 10566	79A	4' / 13'	3:01	3:06	3:13	7 min	
		NEED DEEPER TEST			FOR FURTHER REVIEW		

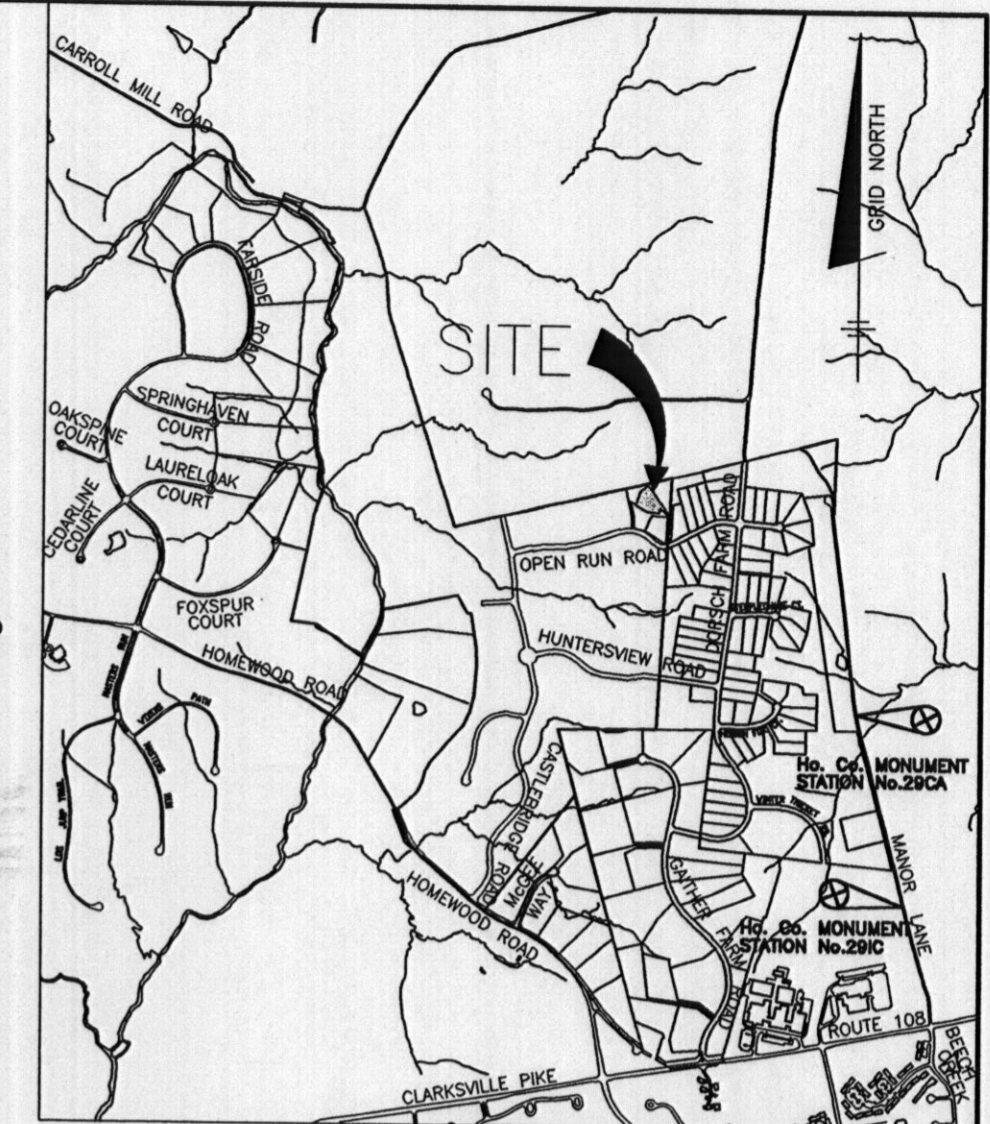
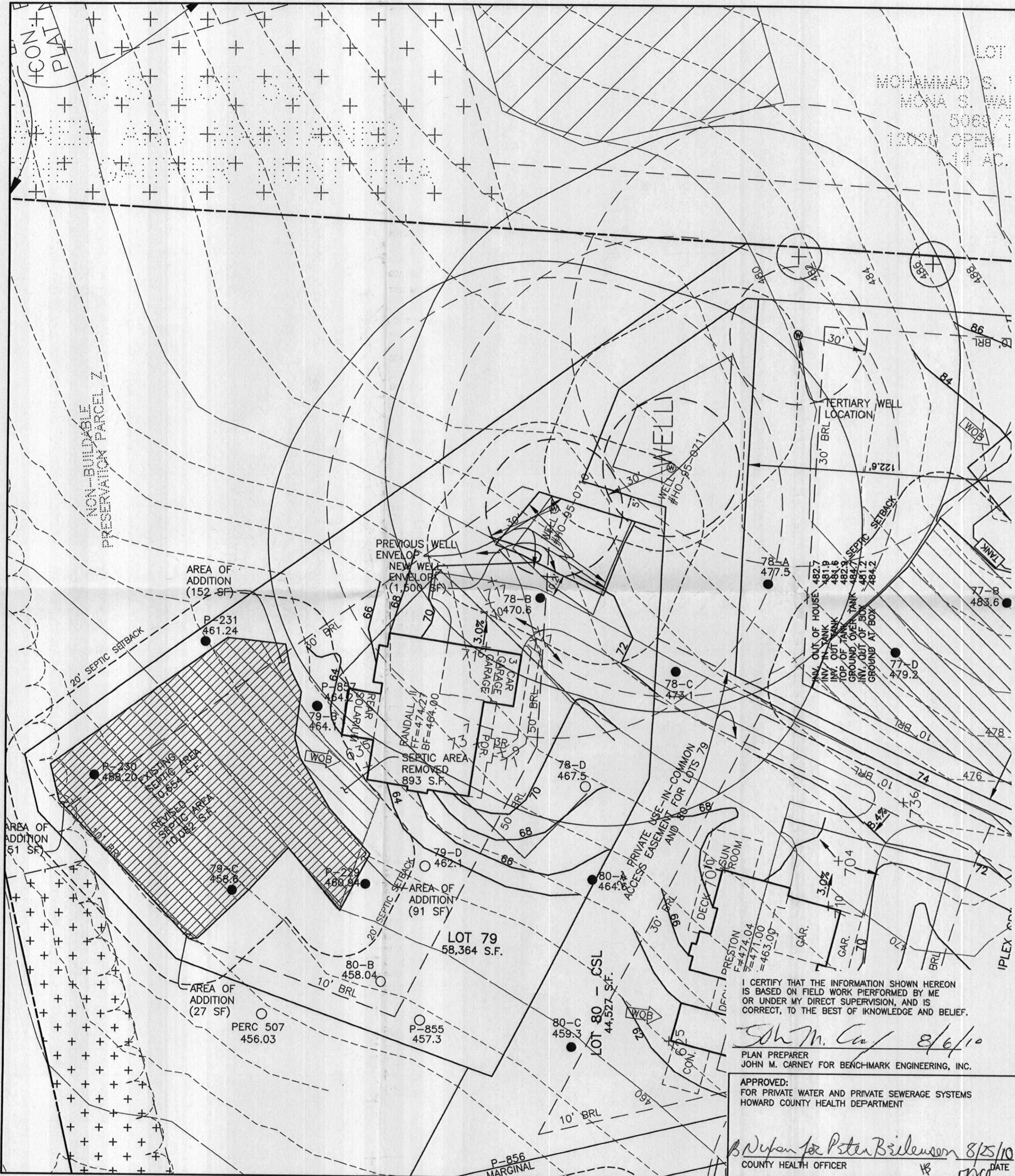
REMARKS: Plan has 250' from 79A to WOODLINE

TYPE OF SOIL: #10367 in field but not on plan, 79D was staked

TESTED BY: Kacie ALSO PRESENT: HATFIELD, aka 78D

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



ADC MAP 4934 GRID E1
VICINITY MAP
SCALE: 1" = 2000'

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

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 2, PLAT No. 19723. 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 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND HAS BEEN FIELD VERIFIED BY J.A. RICE, INC., ON OR ABOUT SEPTEMBER 2002.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO 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 WELLS SHOWN ON THIS PLAN, HO-95-0710 AND HO-95-0711, HAVE BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. THE PURPOSE OF THIS REVISION IS TO ADJUST THE WELL ENVELOPE AND SEPTIC RESERVE AREA ON LOT 65 TO REFLECT THE NEW LOT LINE AND HOUSE ORIENTATION BASED ON A PLAT TO BE RECORDED THROUGH THE DEPARTMENT OF PLANNING AND ZONING.
12. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
13. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWNGRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN.
14. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
EMAIL: benchmark@cais.com

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 MY KNOWLEDGE AND BELIEF.

John M. Carney 8/6/10
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

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

W. N. ... 8/25/10
COUNTY HEALTH OFFICER

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

PROJECT:	RIVERWOOD LOT 79 (FORMERLY LOT 65)	
LOCATION:	12028 OPEN RUN 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:	REVISED PERCOLATION CERTIFICATION PLAN	
HOUSE TYPE:	PRESTON	
DATE:	MAY, 2010 AUGUST, 2010	PROJECT NO. 1950
SCALE:	1" = 30'	DRAWING 1 OF 1

DESIGN: JMC DRAFT: JMC

