

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Homewood LOT NO. 6

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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

516084
COUNTY #

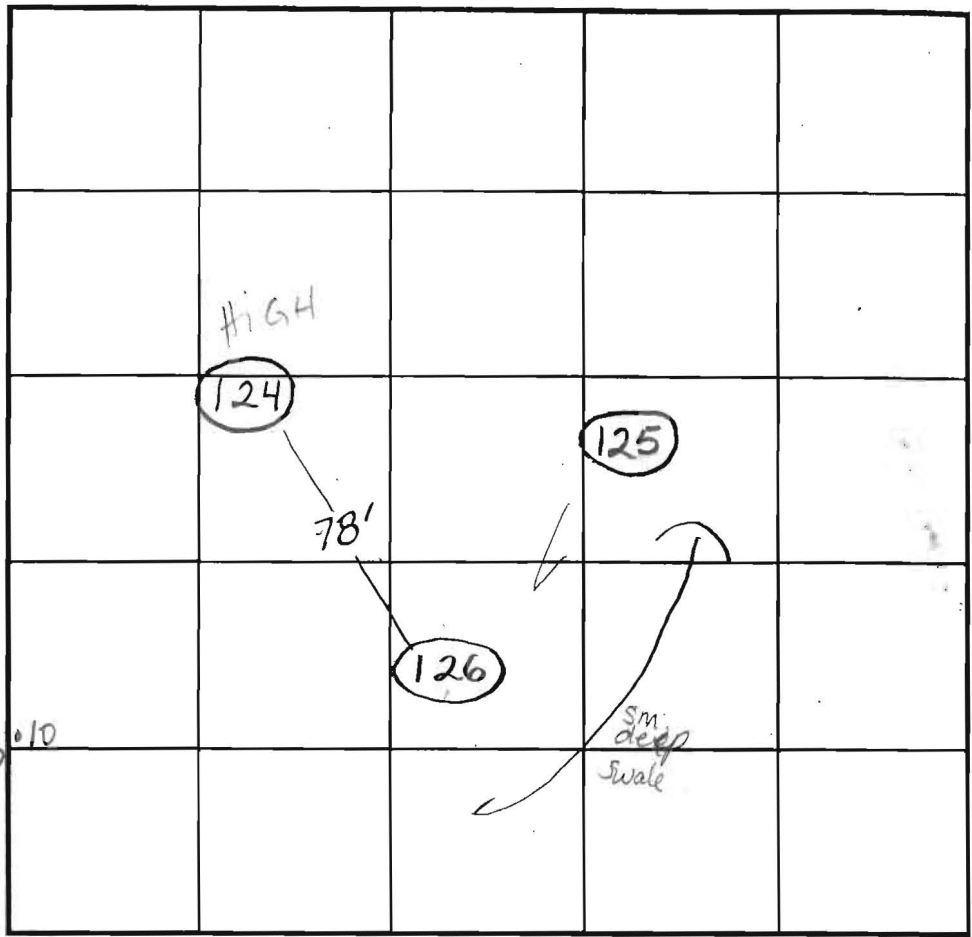
SOIL PROFILE
(126)

0'
densely packed
hvy Lm
Rock vein
@ 6' ~ 15%
+5'
brn
fine
sand
Rx < 10%
Bottom 14'

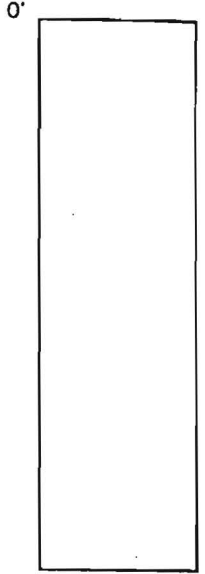
S (124) N

strong
Red brn
org brn
hvy
Lm
pocles
of
CLAY
fine
sand
along
silt
7 1/2'
fine
sand
Bottom 14'

brn
y brn
pebbles
15%
imp
red
(125)
granular
struct
Sandy Lm
CLAY LAYER 3 1/2'
org brn 4 1/2'
Micaceous
Sandy (med grained)
Clay
Loam
Rx < 10%
throughout
Micaceous
Loamy
sand
med-sized
grain
Bottom 14'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

* Field Run TOPO.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/31/02	(126)	6'10" / 14'	3:40	3:41	3:41	3:45	4 min OK
	(124)	6'10" / HV	3:53	4:05	4:05	LEFT THE TO TIME	EST 25 min OK
11/4/02	(125)	7' / 14'	8:55	9:00	9:00	9:12	12 min OK

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY Rae ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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

DISTRICT _____

DATE _____

*SHALLOW
System allowed
for 3rd system*

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, 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. 11

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

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 _____

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SOIL PROFILE

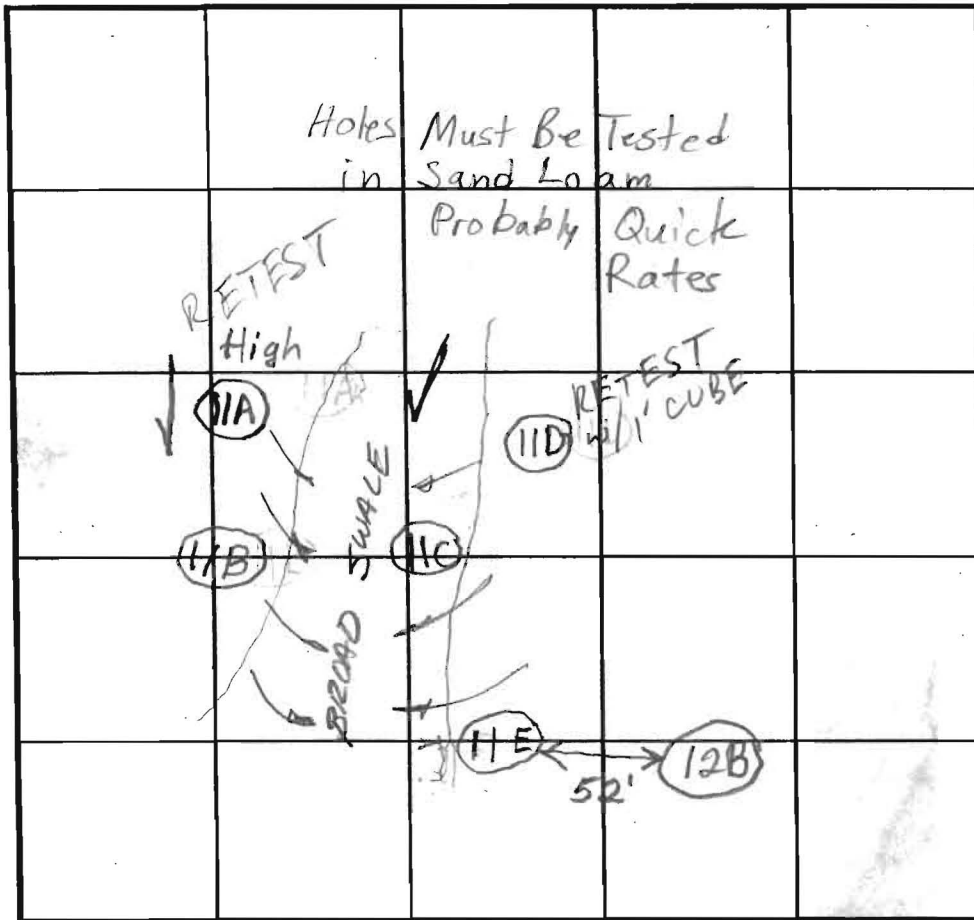
(1E)
 0' DK BROWN TOPSOIL
 1'6" Heavy Red BROWN LOAM
 2'6" VERY GRANULAR RED BROWN LOAM w/ SOME CLAY
 4'6" ORANGE BROWN SANDY LOAM
 15' 20% ROCK

(1IC)

1' DK BROWN TOPSOIL
 1'20" BROWN HEAVY LOAM
 3'1/2" ORANGE BROWN LOAM TRANSITION
 6'1/2" TAN COLORED SANDY LOAM
 ~10% Rock

(1ID)

1' DK BROWN TOPSOIL
 1'20" BROWN HEAVY LOAM
 3'1/2" ORANGE BROWN LOAM TRANSITION
 4'1/2" TAN COLORED SANDY LOAM
 5-10% ROCK



SOIL PROFILE

(1H)
 0' DK BROWN TOPSOIL
 1'20" BROWN HEAVY OR LOAM
 5'2" 6'1/2" 7' 20 ORG BROWN TRANSITION
 TAN COLORED SANDY LOAM
 9" 5-10% ROCK
 15' (1IB)
 1' DK BROWN TOPSOIL
 1'20" BROWN HEAVY LOAM
 3'1/2" ORANGE BROWN LOAM TRANSITION
 6'1/2" LT BROWN SANDY LOAM
 5-10% ROCK

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/19/02	(1IE)	5' T 15' V	10:14	10:17	10:17	10:20	3min	OK
		6' T 15' V	10:13:30	10:16	10:16	10:18	2.0min	
4/19/02	(1IC)	5' T 14' V	10:41	7/8" in	30min (1:11)		SLOW	OK
		6' T 14' V	10:41	10:49	10:49	11:07	18min	
4/19/02	(1ID)	4'6" V 14'6" V	10:55	10:59	10:59	11:05	6.0min	OK
		6' V 14'6" V	10:54	10:54:15	10:54:15	10:55	2.10min	
	Repour	6' V	10:57:40	10:58:25	10:58:25	10:58:15	50 sec	
4/19/02	11A	5' T 15' V	11:24	SLOW	CANCELLED AT 11:26			Retest at 7'
		6' T 15' V	11:10:41	11:40	CANCELLED		SLOW	
		6' T 15' V	11:18:49	12:18	7/8" in	30min	SLOW	
4/19/02	11B	5' T 15' V	11:31	11:43	11:43	7/8" 30min.		OK
		6' T 15' V	11:31	11:38	11:38	11:52	14min	

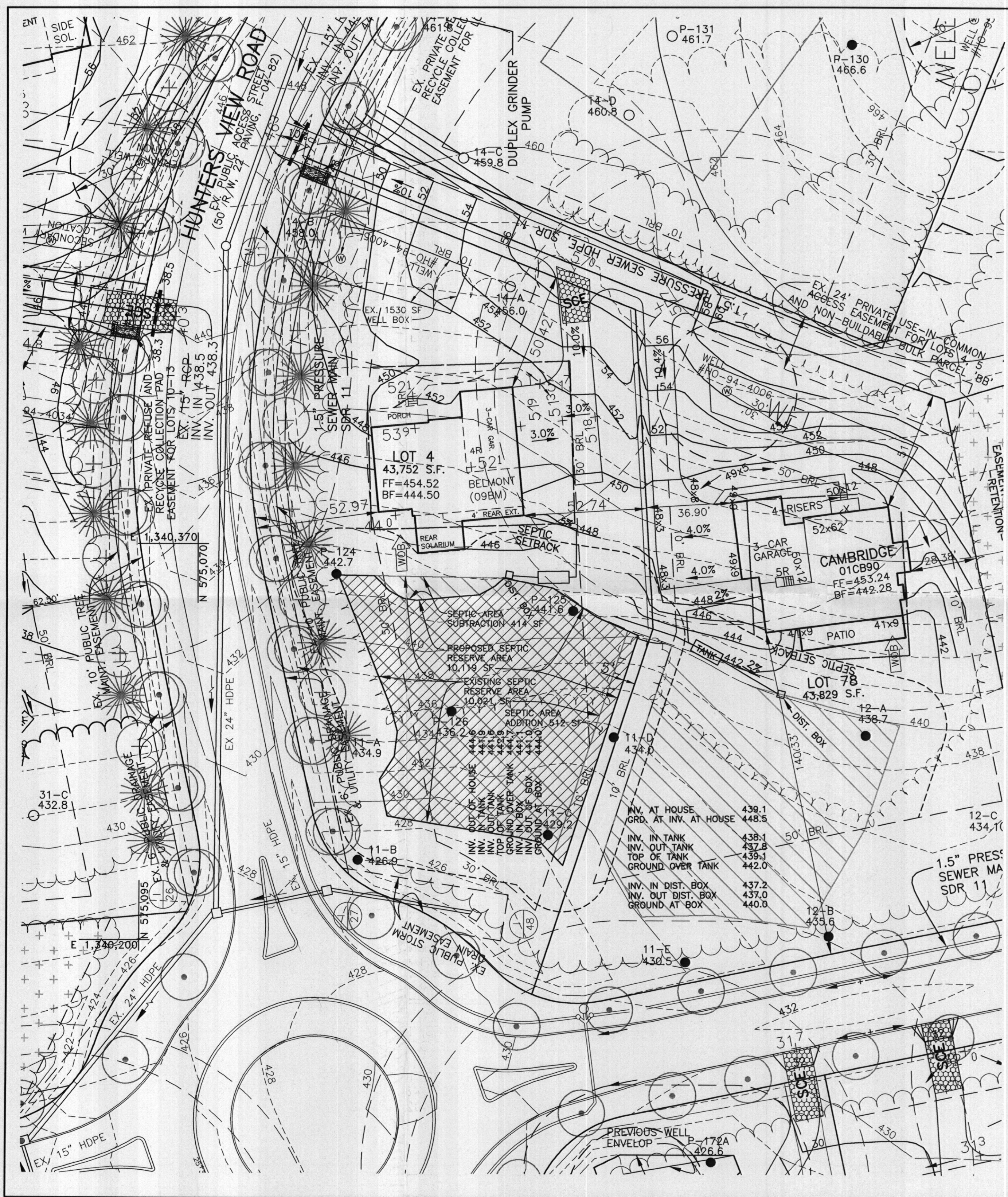
REMARKS

TYPE OF SOIL Holes tested per plan 11A Needs To Be Retested at

TESTED BY BB/FA ALSO PRESENT Hatfields 7'

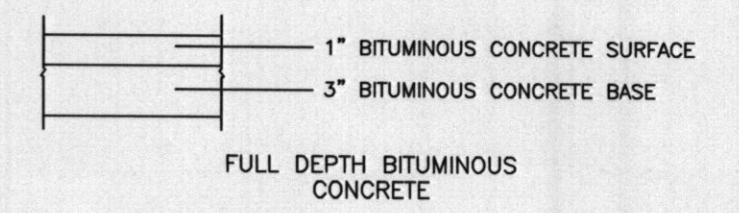
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, 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 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 WELL SHOWN ON THIS PLAN, HO-94-4005, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
12. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
13. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED IN POND #4 OF F-04-082, A MICROPOOL ED POND.
14. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC AREA TO PROVIDE AT LEAST 20' BETWEEN THE SEPTIC AREA AND THE PROPOSED HOUSE.
15. THE DRIVEWAY CULVERT WAS DESIGNED AND APPROVED WITH THE PERMIT PLAN FOR LOT 5 WHICH WAS RESUBDIVIDED, IT IS NOW KNOWN AS LOT 7B.



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

B. Wilson for Peter Beilenson 2/8/2011
COUNTY HEALTH OFFICER DATE

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

GRID NORTH

BENCHMARK ENGINEERING, INC.

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

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

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

PROJECT:
RIVERWOOD LOT 4

LOCATION: 11063 HUNTERS VIEW ROAD
ELLICOTT 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:	BELMONT		
DATE:	DECEMBER, 2010 JANUARY, 2011	PROJECT NO.	1950
DESIGN:	JMC	DRAFT:	JMC
SCALE:	1" = 30'	DRAWING	1 OF 1