

# 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, 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. 89  
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.

SECURITY DEVELOPMENT LLC  
BY: [Signature]  
(SIGNATURE OF APPLICANT) STEVEN K BISHOP

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

40' TREE LINE IS OFF BY AT LEAST @ 88D

COUNTY #

SOIL PROFILE

0'  
 (89D)  
 Red Br Heavy Loam 2.5'-4'  
 Red Br Sa Loam ~5% Saprolite  
 15'

(89B)

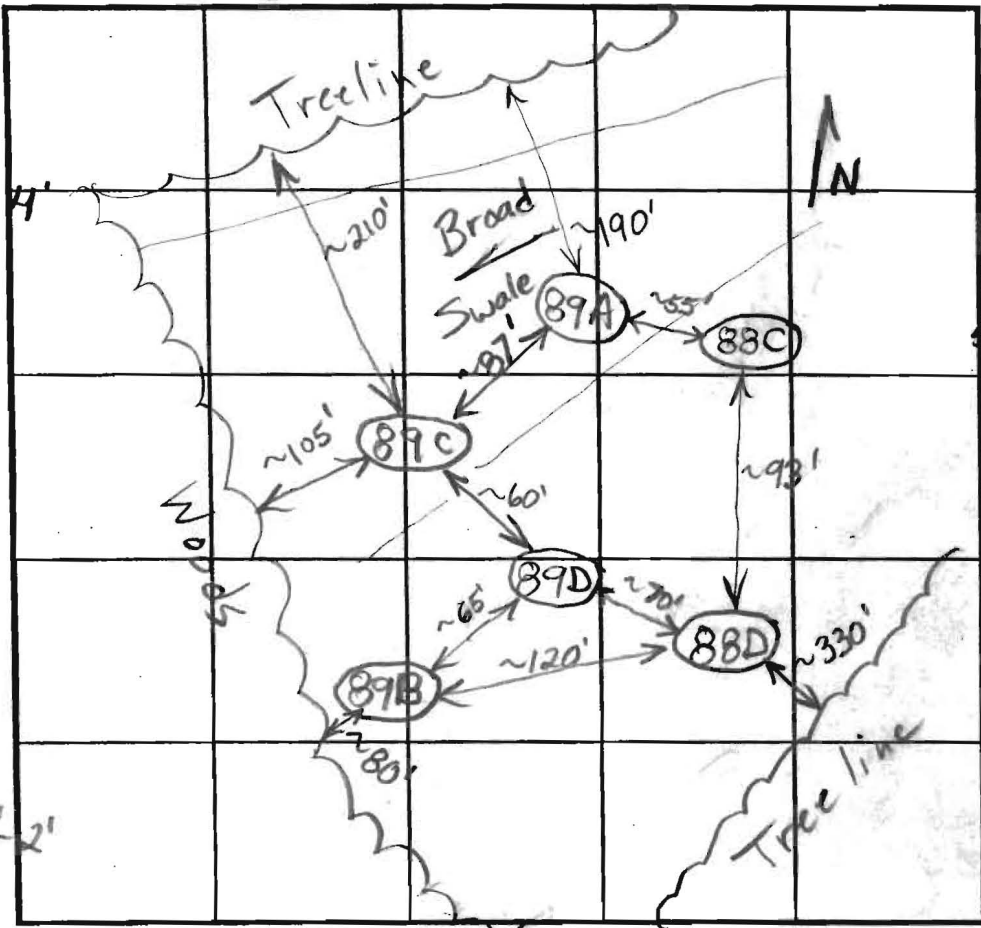
Red Br Heavy Loam 4.5'-2'  
 14.5'  
 Tan Sa Loam ~5% Saprolite

(89C)

Red Br Heavy Loam 4.5'  
 14.5'  
 Tan Sa Loam ~10% Saprolite

SOIL PROFILE

0'  
 (89A)  
 Red Br Heavy Loam 3'-3.5'  
 Or Br Loam and Sa Loams 5'-6'  
 Tan and Light Br Sa Loams ~10% Saprolite  
 14.5'

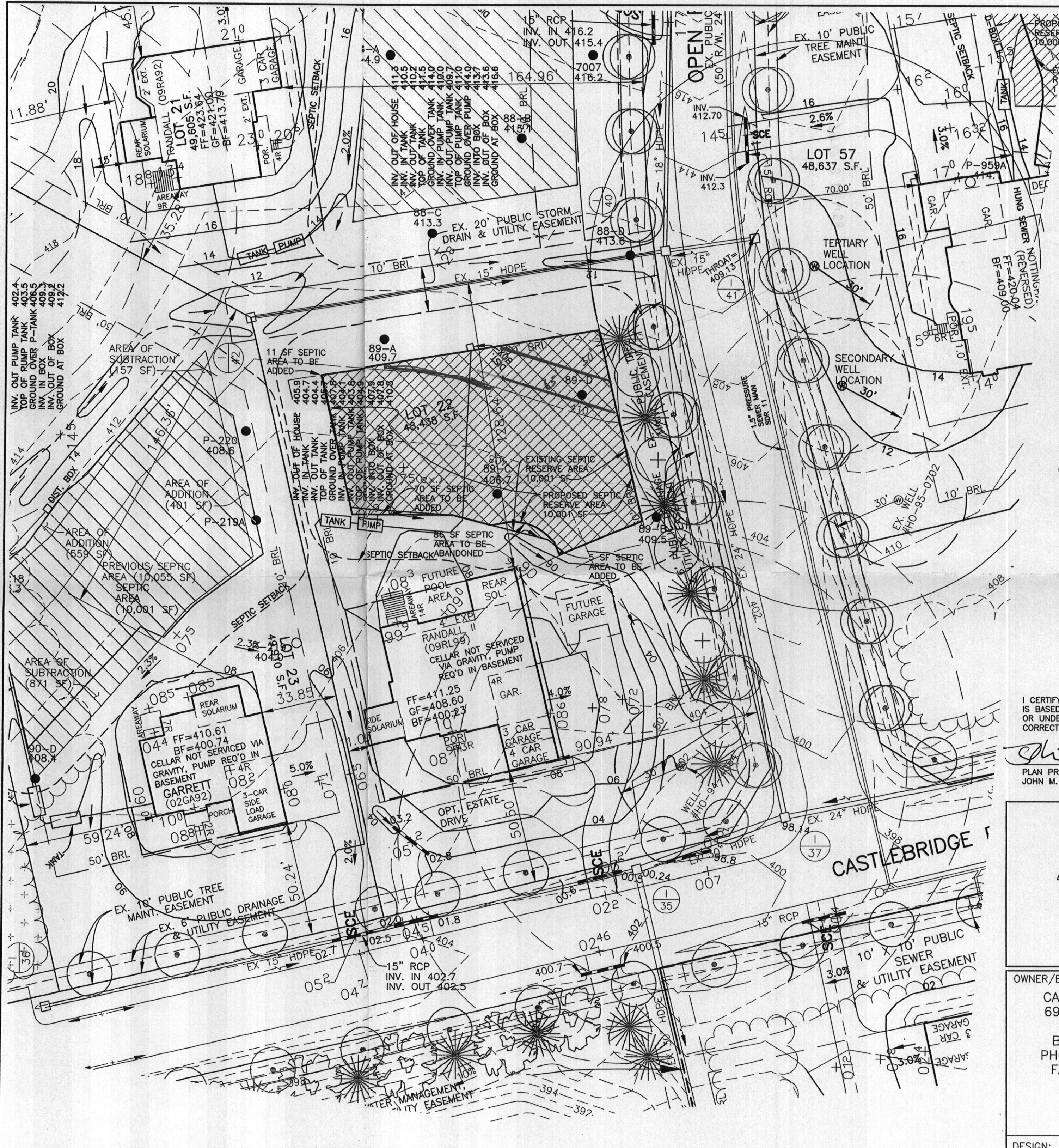


89A 5' 2:42 Start  
 > 25 minutes First Inch  
 → Slow

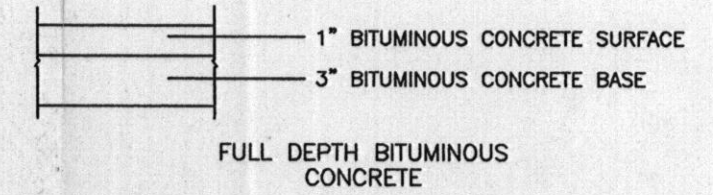
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/2/02	89D	6.5' / 15'	12:36:30	12:37:30	12:37:30	12:38:45	1+ min OK
	Repair	6.5'	12:43:15	12:45	12:45	12:47:15	~2
		3.5'	12:50:30	~1/2 inch in 15 minutes			Slow
		4.5'	12:55	1:02	1:02	1:17:30	15 1/2
	89B	3.5' / 14.5'	1:08	1:08:45	1:08:45	1:10	1+ min OK
		5.5'	1:03	1:04	1:04	1:05:15	1+ min
	Repair	5.5'	1:07:45	1:09:40	1:09:40	1:11:40	2
	89C	5' / 14.5'	1:31	1:34:45	1:34:45	1:40:15	6 OK
		6.5'	1:25:30	1:26:15	1:26:15	1:27	45 sec
	12" x 12"	6.5'	1:36:15	1:37:30	1:37:30	1:39:45	~2

REMARKS: 89A 6' / 14.5' 2:36 2:38:15 2:38:15 2:42:15 4 OK  
 TYPE OF SOIL: Holes Dug Per Plan Tree Line / Holes Located Incorrectly  
 TESTED BY: B. Baker ALSO PRESENT: Hatfields  
 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. 18038. 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 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-94-4054, 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. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC RESERVE AREA IN ORDER TO ALLOW THIS HOUSE MODEL ON THE LOT.
  13. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  14. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED IN FACILITY #6, WET-ED POND, AS SHOWN ON THE FINAL ROAD CONSTRUCTION PLANS, F-04-82.



**PAVING SECTION**  
NOT TO SCALE

**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

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.

*John M. Carney* 3/25/11  
 PLAN PREPARER  
 JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

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

*B. Nipen for Peter Brilenson* 4/22/11  
 COUNTY HEALTH OFFICER

**BENCHMARK**  
 ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE • SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 PHONE: 410-465-6105 • FAX: 410-465-6644  
 EMAIL: [benchmrk@cois.com](mailto:benchmrk@cois.com)

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

PROJECT:	<b>RIVERWOOD LOT 22</b>	
LOCATION:	4880 CASTLEBRIDGE 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:	<b>BUILDING PERMIT PLAN AND REVISED PERCOLATION CERTIFICATION PLAN</b>	
HOUSE TYPE:	<b>RANDALL II</b>	
DATE:	MARCH 25, 2011	PROJECT NO. 1950
DESIGN:	JMC	DRAWING 1 OF 1
DRAFT:	JMC	SCALE: 1" = 30'

Copy of signed  
perc plan by  
H.O. 7-10-03



HILLIP D. CARROLL  
CAMILIA CARROLL  
BY ACCOUNTS 301 770  
ICEL 71, TAX MAP 23