

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 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 _____

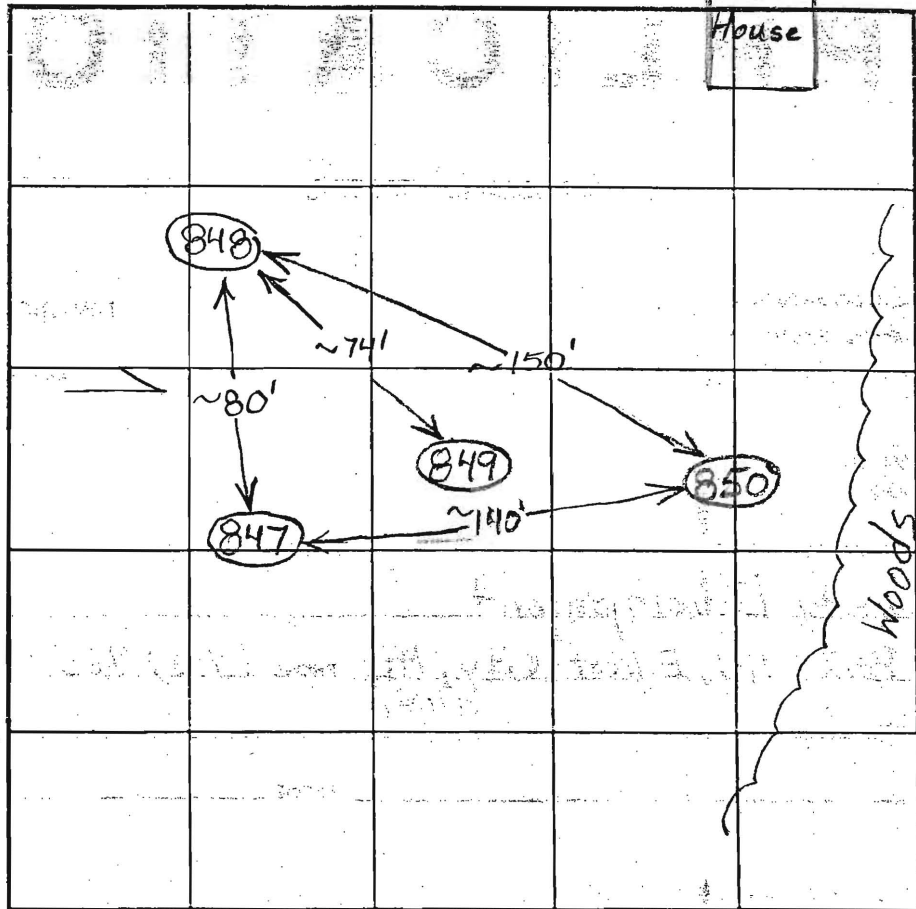
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

Ex.
House



SOIL PROFILE

0' (850)
Red Br Heavy Loam 15-20% Rock 4.5'-5.5'
Red Br and Br Gravelly Si Loam and S. Cl Loam 15-20% Rock 7'-8'
Brige Sa and Gravelly Loams ~25% Rock 14.5'

SOIL PROFILE

0' (847)
Br Heavy Loam and Topsoil
2.5' Red Br Si Cl Loam ~25% Rock
4' Red Br Gravelly + Sa Cl Loams ~30% Rock
7.5'-8' Brige Sa Loam ~20% Rock and Saprolite
14' (848)

(848)

2.5'-3' Br Heavy Loam and Topsoil ~15% Rock
Mixture of Red Br Si Cl Loam and Sa Loams ~10% Rock
5'-6' Tan Sa Loam ~20% Saprolite
13' (849)

(849)

2.5'-3' Red Br Heavy Loam and Topsoil
Mixture of Or Br and Red Br Si Cl, Si and Sa Loams Trace Rock
5.5' Tan Sa Loam ~25% Rock and Saprolite
13.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
2/17/04	847	6'10" / 14" V	2:18:30	~1/4" in	15 minutes	Slow	O.K.	
		7'9"	2:19	2:34:30	2:34:30	3:04	29 1/2	
	848	4'8" / 13" V	2:32:30	2:54	2:54	Pulled - Probably	Slow	O.K.
		6'9"	2:36	2:40	2:40	2:48:30	8 1/2	
		6'	2:53:30	2:56:50	2:56:50	3:03	~6	
	849	5.5' / 13.5" V	3:08	3:14	3:14	3:25	11	O.K.
		7'	3:07:30	3:10	3:10	3:13:15	3 1/2	
	850	7'2" / 14.5" V	3:21:30	3:40:30	3:40:30	< 1 1/16" in 30 min	Slow (F)	

REMARKS: 850 Fails Unless Tested Deeper at 8'

TYPE OF SOIL _____

TESTED BY B. Baker ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

516084

COUNTY #

SOIL PROFILE

0'

(74-C)
Strong
org
brn
dense sticky
SLM-
SCLM
Rx ≤ 10%
sm frags

7 1/2'
8'

Coarse
gravelly
SAND
Rx 20-25%
HARD
BOTTOM

(74B)

Strong
red brn
Dense
CLM
Rx ≤ 5%

7'
8'

sticky
SCLM
org brn
org brn
Rx ≤ 5%
COARSE
SAND
Bottom

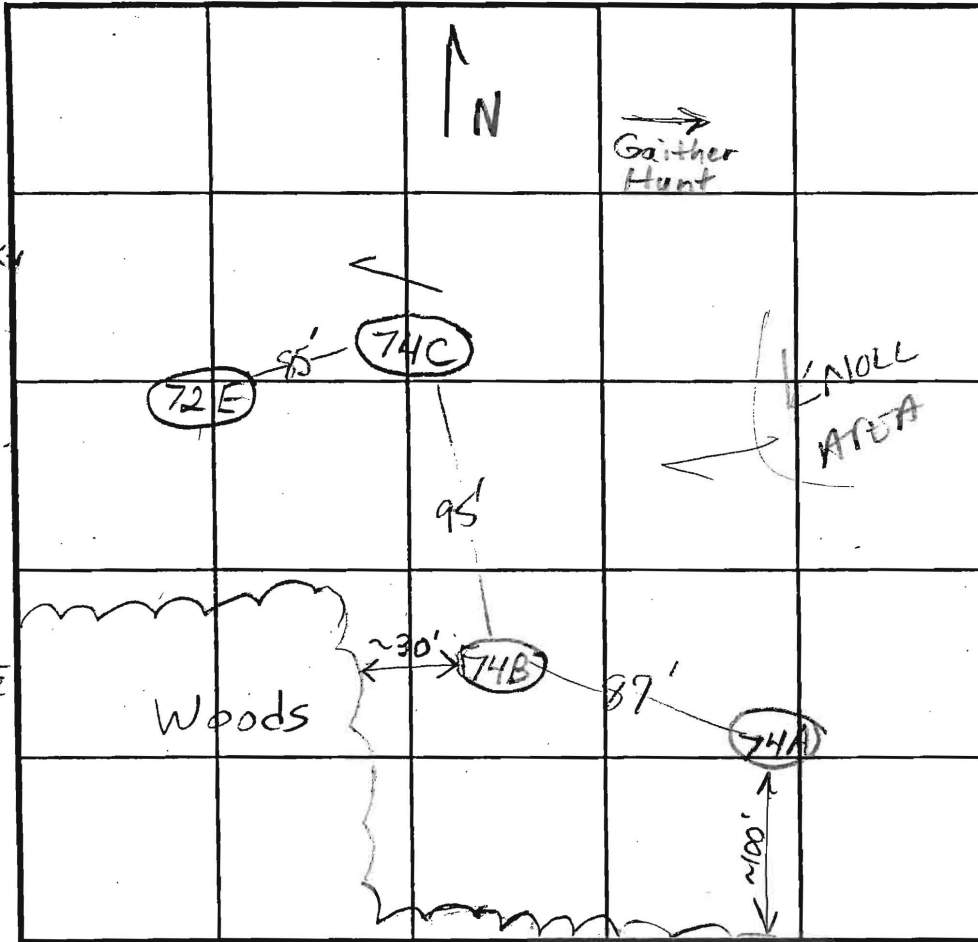
(74A)

Strong
Red brn
dense
CLM

5 1/2'
to
6'

micaceous
loamy
fine sand
Trace
Rx

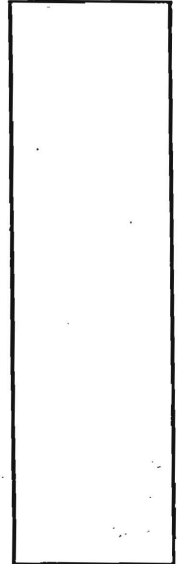
135'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/3/02	74-C	7 1/2' / 12 1/2'	10:47	11:08	11:08	~1/4" in 15 minutes	(F)	
	74-B	8' / 14'	11:09	11:10	11:10	11:11	1 min (F)	
		6'	11:14	1/4" @ 11:35 pulled top slow				
		Perced @ 6' rather than 7' due to slope of shelf. Soil is same						
	74-A	6.5' / 13.5'	11:27	11:30	11:30	11:34	4 min OK	

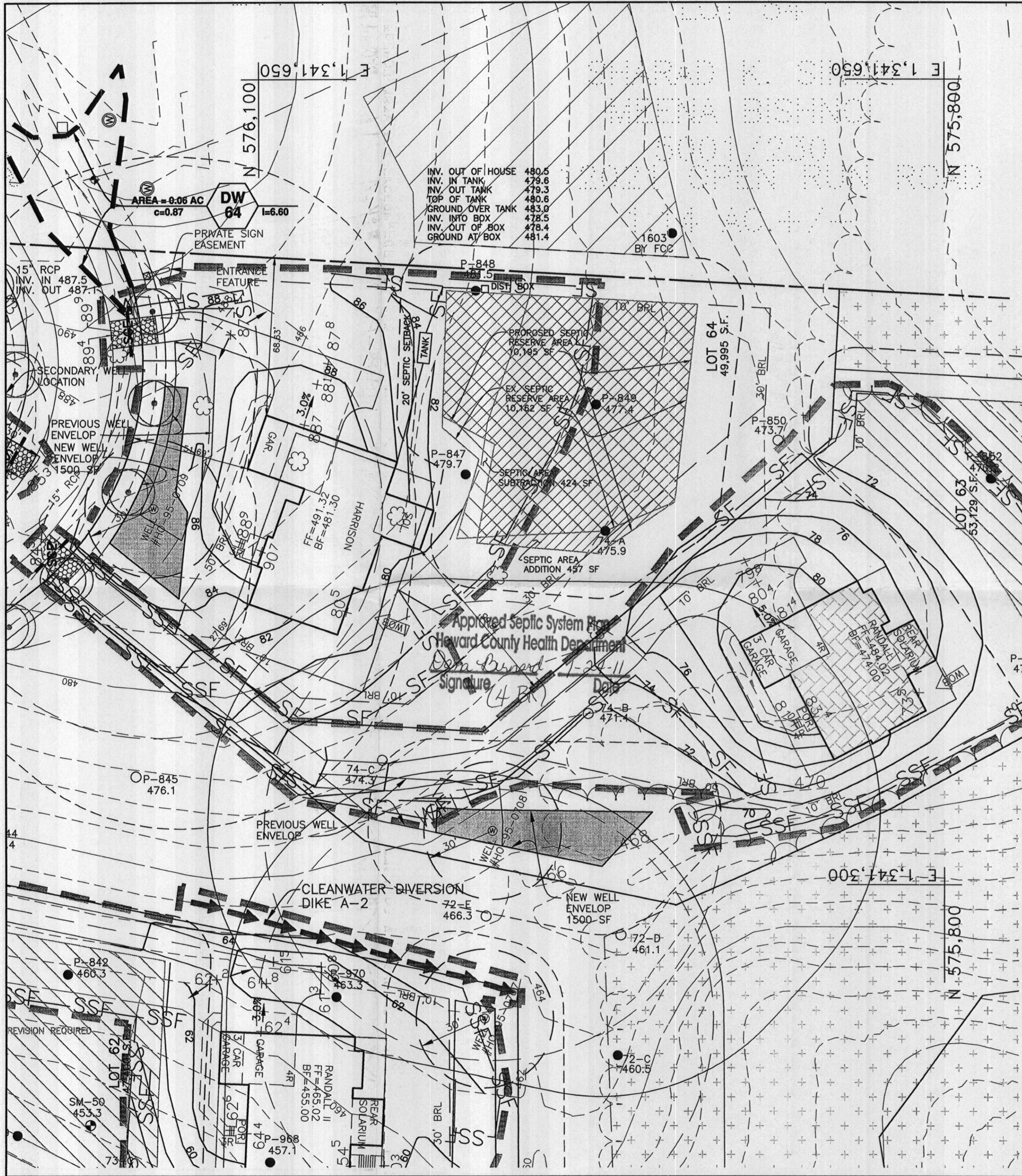
REMARKS Holes Dug Per Plan

TYPE OF SOIL _____

TESTED BY B. Baker / K. Noonan ALSO PRESENT Hatfields

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



INV. OUT OF HOUSE	480.5
INV. IN TANK	479.6
INV. OUT TANK	479.3
TOP OF TANK	480.6
GROUND OVER TANK	483.0
INV. INTO BOX	478.5
INV. OUT OF BOX	478.4
GROUND AT BOX	481.4

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, 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 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 WELLS SHOWN ON THIS PLAN, HO-95-0708 AND HO-95-0709, HAVE 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 #6 OF F-04-082, A WET ED POND.
14. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC AREA FOR GRADING ASSOCIATED WITH THE HOUSE CONSTRUCTION AND TO LOCATE THE WELL BOX FURTHER FROM THE PROPOSED HOUSE.

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

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

Peter Brilenson 1/4/2011
 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
 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: benchmark@ccis.com

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

PROJECT:
RIVERWOOD
LOTS 63 AND 64

LOCATION: 12027 AND 12033 OPEN RUN 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: **PERCOLATION CERTIFICATION PLAN**

HOUSE TYPE: **HARRISON**

DATE: DECEMBER, 2010 PROJECT NO. 1950
 NOVEMBER, 2010

DESIGN: JMC DRAFT: JMC

SCALE: 1" = 30' DRAWING 1 OF 1

