

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. 77
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] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BIRSBORN

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

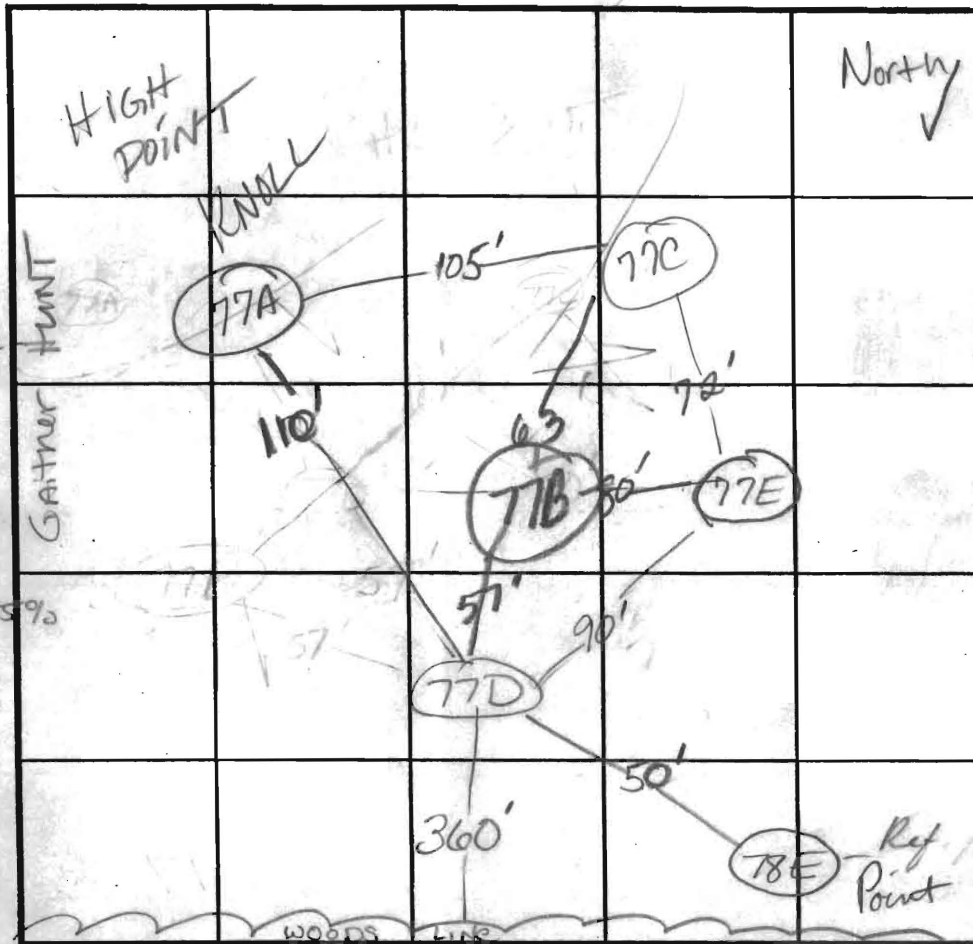
0' **77D**
 Strong org brn
 hvy SLm
 Rx
 5-10%
 4 1/2
 5'
 platy
 structured
 soil
 coarse
 sand
 pebbles
 fr saprolite 20-25%
 HARD
 Bottom 12'

77B
 Runs SE
 strong org brn
 strong org brn
 RD
 Brn hvy
 CL
 Lm
 pocket
 Rx ≤ 10%
 6'

2 y brn
 beige
 coarse
 sand
 15-20%
 Rock
 Bottom 14 1/2'

77E
 Strong
 org brn
 hvy Lm
 2 1/2
 Down
 hill
 (W)
 beige, brn
 org brn
 SLm
 5'

Coarse
 gravelly
 sand
 10'
 pockets
 of Rock
 30-35%
 Bottom 13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' **77C**
 dk y brn
 layer
 strong org
 layer
 SLm
 Micaceous
 DENSE
 Trace Rx
 5'
 6.5'
 micaceous
 storg loam
 Sa Loam
 Trace
 Rx
 Bottom 14'

77A
 Strong
 org brn
 Lm
 3 1/2
 4
 fine
 beige
 tan sand
 Bottom 13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-21-02	77D	6 1/2' N 12'	12:20:35	12:24:00	12:24	12:29	5 min OK
		5' 2" S	12:29:16	12:55	1:37		(Pulled too slow)
	77B	6 1/2' S 14 1/2'	12:39:48	12:40:06		12:41:45	1 1/2 min OK
	77E	5' 4" S 7' M	12:54:10	12:58:02	1:05	12:58:30	7 min 2 nd min OK
	77C	6.5' 14' V	1:07:12	1:11:40		1:31	15 min OK
	77A	7' 13' V	1:23:00	1:24:15		1:26:35	~2 1/2 min OK
		4 1/2'	1:25:33	1:28:40		1:33:52	~5 min

REMARKS Holes per plan
 TYPE OF SOIL _____
 TESTED BY Kacie & Brian ALSO PRESENT Hatfields
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

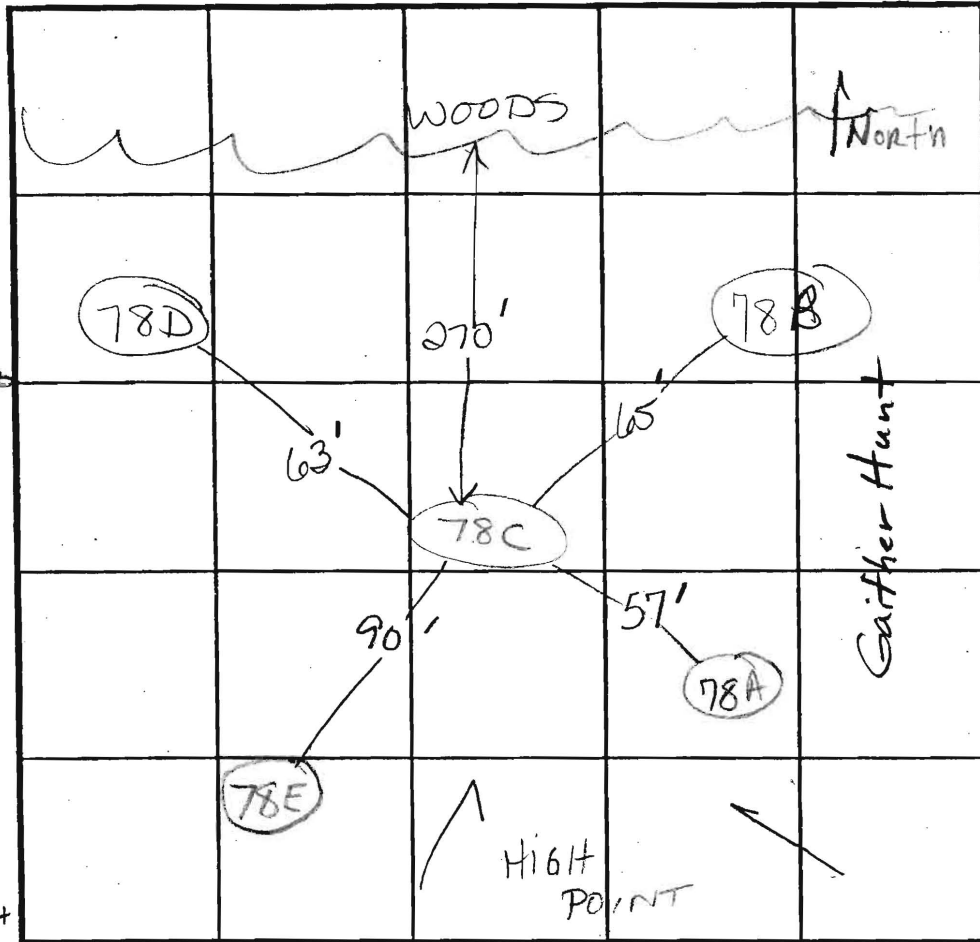
516084

COUNTY #

SOIL PROFILE
 78C
 0' W
 4' DK rd brn hvy SLM Rx 10-15% 3'
 4 1/2' rdbn org brn Loam-SLM
 5' berge white lt tan Sand Rx 10-15% & sapsilite Bottom 16'

78D
 Strong y brn hvy Lm-SLM 7' 4'
 Med. sized grain SAND
 beige lt brn y brn Bottom 14'

78B / 78A
 Strong org brn hvy Lm 5 1/2'
 bluish white sand Rx 10-15% Bottom 14'




SOIL PROFILE
 78E
 0' Strong Brn wk rd brn heavy Lm
 6 1/2' med. sized grain d. sand & gravel pebbles 30-35% Bottom 14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6-21-02	78C	4' S / 16' V	11:27:48	TOO SLOW - Pulled 11:54 - NOT AT 2nd peg			Slow	
6-20-02	78D	7' S / 14' V	2:10:34	2:32	1/2" to go to 2nd peg		TOO SLOW (E)	
aka 10362	78B	4' S / 14'	3:20	pulled too slow				
		5 1/2' S	3:23	3:25		3:31	6 min OK	
	78C	5 1/2' S	11:38:03	11:39:19		11:41:22	2 min OK	
	78A	5 1/2' / 14' V	11:47:16	11:47:44		11:48:30	~1 min OK	
	12x12	6 1/2'	11:51:10	11:53:00		11:55:00	2 min OK	
	78E	5 1/2'	12:00:55	TOO SLOW		pulled		
		7' S / 14' V	12:03	12:12		12:25	13 min	
			RETEST AT 8-9					

REMARKS: Holes per plan
 TYPE OF SOIL: _____
 TESTED BY: Karel E Brown 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, PHASE 1, PLAT Nos. 18031 - 18045 OR PHASE 2, PLAT Nos. 19720 - 19726. 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. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
4. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
5. THE EXISTING WELL SHOWN ON THIS PLAN, HO-94-4035, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

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.

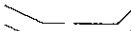



John M. Carney 6/18/08

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

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

B. Nye for Peter Brilenson 7/16/08
COUNTY HEALTH OFFICER DATE

LEGEND

-  EXISTING CONTOURS ESTABLISHED UNDER F-04-082
-  FIELD SURVEYED WELL LOCATION
-  PASSED PERCOLATION TEST PER P-03-010
-  FAILED PERCOLATION TEST PER P-03-010



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
www.bei-civilengineering.com

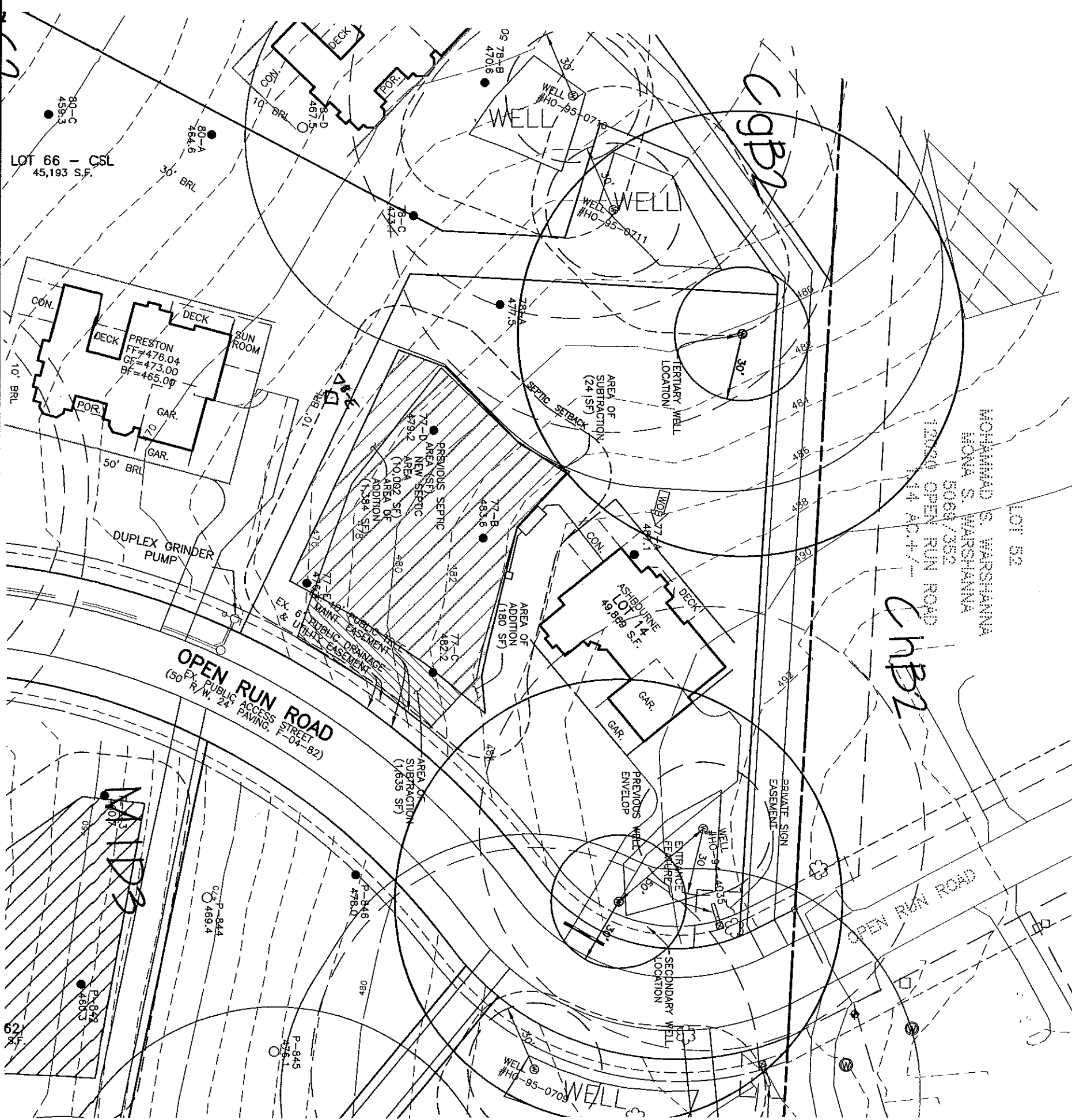
BUILDER: CAMBERLEY HOMES, INC.
6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MARYLAND 20817
301-803-4929

RIVERWOOD
LOT 14

12024 OPEN RUN ROAD, ELLICOTT CITY, MD 21042
TAX MAP 29, GRIDS 3, 4, 9 & 10 - PARCEL 20
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

REVISED
PERCOLATION CERTIFICATION PLAN

DATE:	JUNE 16, 2008	PROJECT NO.	1950
SCALE:	1" = 50'	DRAWING	1 OF 1



12080 OPEN RUN ROAD
1.14 AC +/-

CHB2

IN SPACE

CGB2



LOT 80

LOT 77

LOT 82

LOT 15

LOT 16

LOT 17

LOT 18

LOT 76

LOT 74

LOT 75

COMMUNITY SEPTIC LOT

EKB2

MIB2

EIC3

CGB2

CHC3

OPEN SPACE
FOREST
CONSERVATION

OPEN RUN ROAD
WELL

(MARGINALLY)

PERC 506
WSREQ'D

PERC 506
WSREQ'D

PERC 506
WSREQ'D

PERC 506
WSREQ'D

PERC 509

PERC 509

PERC 509

PERC 509

84-A 439.8

84-B 437.3

84-C 435.0

84-D 432.20

85-A 431.6

85-B 430.8

85-C 427.1

85-D 427.0

85-E 427.0

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