

APPLICATION

PERCOLATION TESTING

A 515042

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 Benedict Farm LOT NO. _____

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

COUNTY #

SOIL PROFILE

516

0' tan
17. brn
sac l m
10-15% frags

5 1/2' tan beige
sand
15-20% frags

7 1/2' 30-35%
struc.
frags

12' 15-20%
frags

517/515/518

3-4' orge tan
sac l m
15% frags

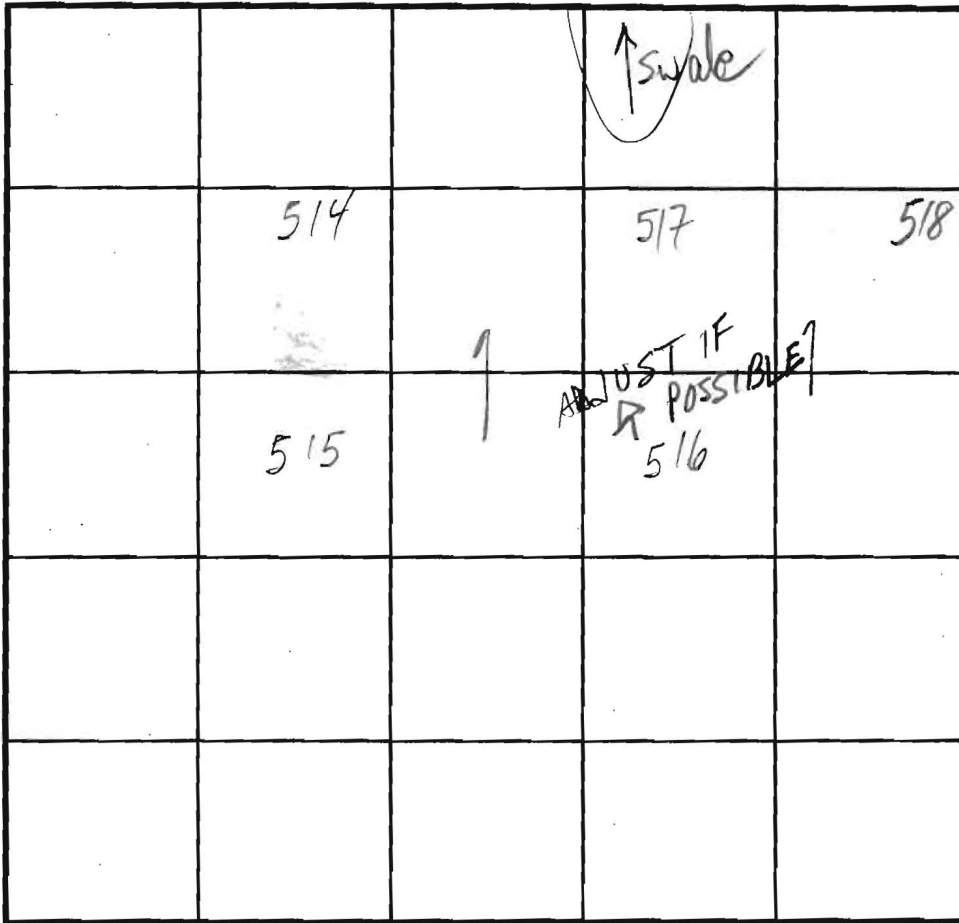
tan beige
sand
10-15%
frags

514

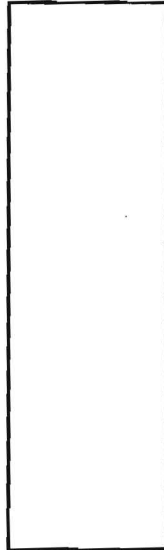
4' orge tan
sac l m
10% frags

20-30%
frags

tan beige
orge
sand
15%
frags



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
10/16/01	516 S	4 9/16"	10:46	11:08	3/4"	5LOW	2	OK	
		5 1/2"	12:17:55	12:18:55	12:18:55	12:20:55	2	OK	
	517	4 3/4"	11:02	11:03	11:03	11:05	2	OK	
	514	5"	11:22	11:23	11:23	11:25	2	OK	
	515	5 3/4"	11:27	11:28	11:28	11:30	2	OK	
	518	5 1/2"	11:47	11:48	11:48	11:52	4	OK	
	516	7 1/2"	12:02:40	12:05	12:05	12:09	4	OK	
	516	13	MARGINAL - AVOID BY 25'						

REMARKS: LOTS 99,100 ALL HOLES PER PLAN

TYPE OF SOIL: _____

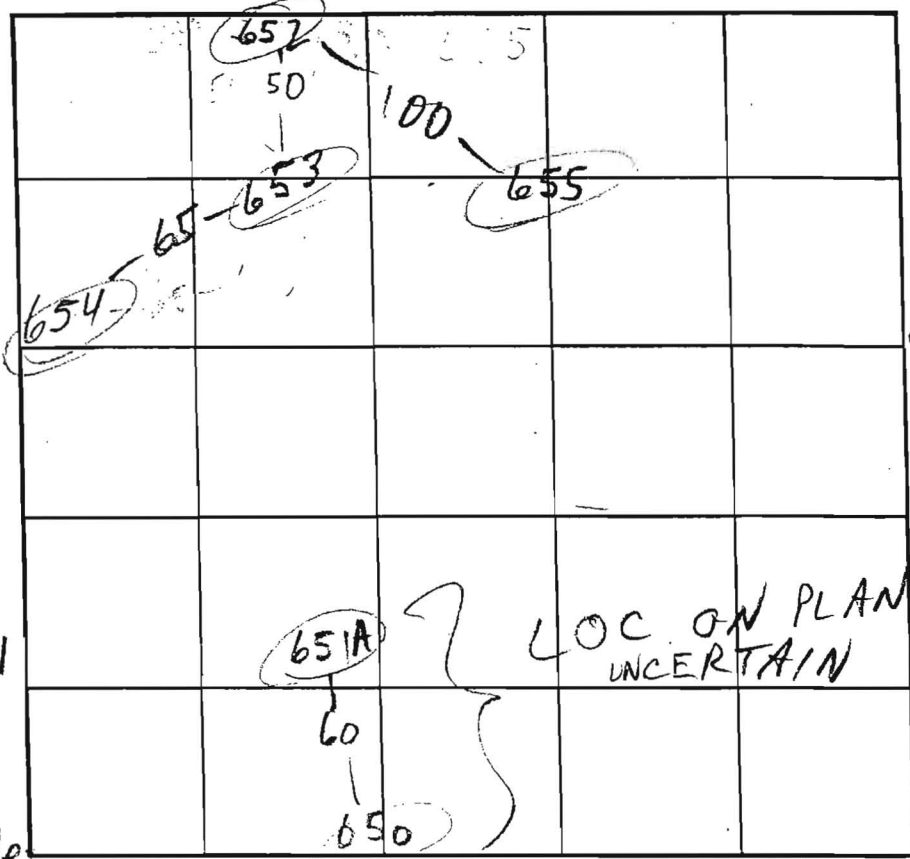
TESTED BY: MARK RIFKIN ALSO PRESENT: Chuck Crowe
Mike Sacrew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

Benedict Farm

COUNTY #
 SOIL PROFILE
 0' 672
 top soil
 1' red org
 brn cl lm
 3.5' med
 org brn
 sa mica
 lm
 80% lot
 rock
 12'8" Refusal



SOIL PROFILE
 0' 653
 deep
 org e
 sa
 cl lm
 6' 15-20%
 6 1/2' tan beige
 lt. brn
 sand
 13 1/2' 15-20%

650/51
 org e
 brn
 si cl lm
 gray mottles
 10' 650
 6' tan
 beige
 sand
 10'9"
 13'9"

654/652
 org e brn
 el lm
 15-20%
 Frag
 compacted
 coarse
 tan brn
 sand
 15'9"
 Frag
 13'3"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-31-01	672	4.9' S	10:26	10:30	10:30	10:33	3 1/2
		12'0" D	refusal	-see	profile		FAIL
2/21/02	650	6' 13 1/2'	1:51	2:02	1:57	2:02	FAIL
	651A	6' 13 1/2'	1:57:30	1:57:45	1:57:45	1:58:10	25 sec OK
			2:01:20	2:03:30	2:03:30	2:07:00	3' OK
	654 S	6' 13 1/2'	2:36:45	2:37:25	2:37:25	2:42	5' OK
			3:09:23	3:18	3:18	3:36	18' OK
	653 S	7' 13 1/2'	2:51	2:58	2:58	3:12	14' OK
	652 M	5' 13 1/2'	3:18:50	3:22	3:22	3:27	5' OK
			3:36:30	3:40	3:40	3:45	5' OK
	655 S	6' 13 1/2'	3:43:30	3:45:15	3:45	3:48	3' OK
	650 S	7'	4:00	4:10	PULLED DUE TO LATE TIME		20 min EST OK

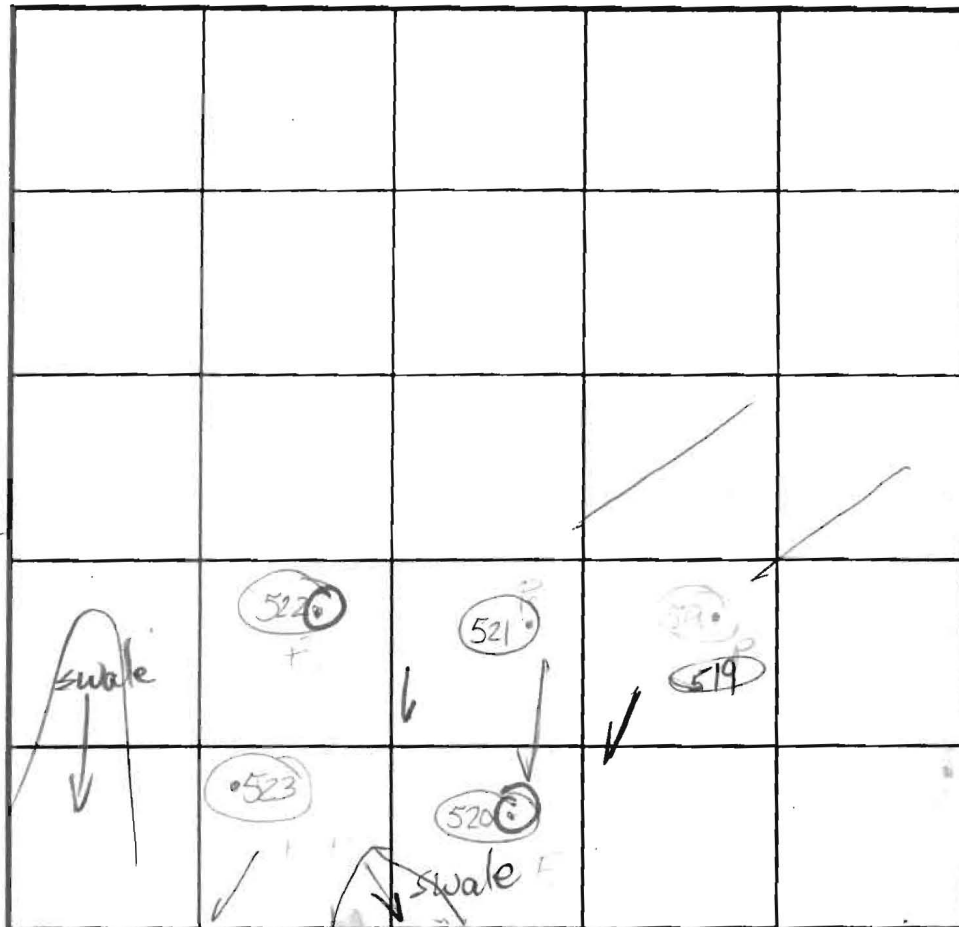
REMARKS _____ DUE TO DROUGHT CONDITIONS, APPROVABLE HOLES MUST HAVE 8 FEET FROM OBSERVED
 TYPE OF SOIL _____ GROUNDWATER TO BOTTOM OF PROPOSED SEPTIC SYSTEM
 TESTED BY IVE ALSO PRESENT M. Johnson & crew Owners
 TRENCH DESIGN DATA _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEEDROOM _____

COUNTY #

SOIL PROFILE

0' (519)
 Strong org brn rd brn CL Lm to h Lm
 8-9' org brn beige tan micaceous SCl Lm
 Rock Frag @ 35-45% (boulders)
 14' Bottom

EAST



SOIL PROFILE

0' (520)
 HEAVY CL Lm 10-15% rock frag
 4' h Lm rd brn brn white aggregation
 8' micaceous brn white H-brn S Lm
 16' Bottom

~~LOTS 101/102~~

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

North N

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/15/01	P (519)	7' 5"	3:59	4:00	4:00	4:02 ⁵⁰	2 1/2 min
		14' Bottom	DEEPER RETEST		REQ'D		PASS
	P (521)	5' 5"	3:35	3:40	3:40	3:43	3 min
		13 1/2' Bottom					PASS
	(520)	6' 8" / 16"	4:04 ⁴⁵	4:32	4:32	1" longer than 30 min	
		8' 10"	2:21	2:50	1" > 30 min		Fail
	(522)	7' 10" / 16"	4:09	1" > 30 min			Fail
		9 "	2:40	1" > 30 min			FAIL
	P (523)	Visual	SEE SOIL PROFILE #				PASS

NE CORNER w/ clay pocket to 1 1/2'

REMARKS

Holes PER PLAN

TYPE OF SOIL

TESTED BY Goede King

ALSO PRESENT Chuck Mike & crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SO FT/BEDROOM

13 1/2' (522)
 DENSE RD, RDBRN CL Lm Rock 10-15%
 6-7' strong brown tan beige S Lm w/ quartz Frag 10-15%
 13 1/2' Bottom

8-9'

14'

5-6'

13 1/2'

6-7'

13 1/2'

LEGEND:

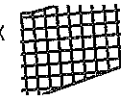
EXISTING WELL BOX
(TO BE ABANDONED BY
THIS PERCOLATION
CERTIFICATION PLAN)

EXISTING WELL

PROPOSED NEW WELL BOX
(1,586 S.F.)

EXISTING PASSED PERC.

EXISTING SEPTIC AREA



519



NOTES:

THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2006 AS PLAT NUMBER 18245. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

EXISTING TOPOGRAPHY IS TAKEN FROM AERIAL SURVEY WITH 2 - FOOT CONTOUR INTERVALS PREPARED BY 3Di, L.L.C. DATED APRIL 14, 2001 AND SUPPLEMENTED BY FIELD RUN TOPOGRAPHY PREPARED BY FISHER, COLLINS & CARTER, INC.

THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ADJUST THE WELL BOX LOCATIONS IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR NEW CONSTRUCTION AT 11216 INDEPENDENCE WAY, ELLICOTT CITY, MARYLAND 21043.

THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1293) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

WELL No.	HO-95-1293	
INV. @ HOUSE		447.7
GROUND @ INV. @ HOUSE		455.0
INV. IN TANK		446.6
INV. OUT TANK		446.3
TOP OF TANK		447.3
GROUND OVER TANK		448.7
INV. IN DIST. BOX		446.1
INV. OUT DIST. BOX		445.8
GROUND @ BOX		448.0

APPROVED:
FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Michael J. Davis
COUNTY HEALTH OFFICER
10/26/09
DATE

ADDRESS: 11216 INDEPENDENCE WAY
ELLICOTT CITY, MD 21043

TYPE: COVINGTON (HERITAGE)-
WALKOUT BASEMENT
ADD'L 1' TO HEIGHT OF BASEMENT
BRICK SIDES AND REAR OF HOME
EXPANDED BASEMENT
SOLARIUM

- OPTION No. 017
- OPTION No. 070
- OPTION No. 673
- OPTION No. 046
- OPTION No. 501

BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER
SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN
HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

PERMIT PLOT PLAN &
PERCOLATION CERTIFICATION PLAN
LOT #65
HOMEWOOD CROSSING

D.B. 9808, PG. 204
PLAT No. 18245
THIRD ELECTION DISTRICT
HOWARD COUNTY



ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 203
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870

DATE: 10/07/09

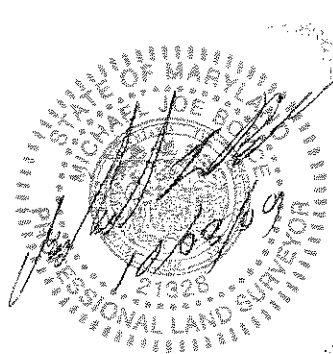
SCALE: 1"=50'

FILE: LOT 65 Covington Heritage

CHK'D: MJB

JOB#: 1214

DRAWN: GVS



DATE: 10/07/09 SCALE: 1"=50' FILE: LOT 65 Covington Heritage CHK'D: MJB JOB#: 1214 DRAWN: GVS



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

October 22, 2009

TO: Michael Joe Boyce, ESE Consultants, Inc.

FROM: Robert C. Bricker, CPSS
Bureau of Environmental Health
Well and Septic Program

RE: Revised Percolation Certification Plan / Site Plan
11816 Independence Way, Homewood Crossing - Lot 65,
Conflicting location of Septic Tank on Lot 66

The wellbox presented on the Percolation Certification Plan revision (10/7/2009) for Lot 65 has a 100-foot setback that intersects the proposed septic tank location on Lot 66. At this time, a permit has already been issued to install the septic tank on Lot 66.

The Bureau of Environmental Health proposes that potential conflict of these locations be averted by staking the wellbox on Lot 65 as it is presented in the referenced Percolation Certification Plan. This will provide a physical point at the site from which to measure the required 100 feet separation between a septic tank and an approvable potential well location.

As the septic contractor may experience an installation delay, we request that the wellbox on Lot 65 be staked as soon as possible.

Should you have questions regarding this matter you may contact me by phone or email. [410-313-2691; rbricker@howardcountymd.gov]

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*10/26/09 well-Box staked for Lot 65. Verified closed corner
in field. Pulled 100' radius off of ~~corner~~ corner
of well box to set S.T. for Lot 66.
-K. Weif*



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Peter L. Beilenson, M.D., M.P.H., Health Officer

July 29, 2009

TO: Michael Joe Boyce, ESE Consultants, Inc.

FROM: Robert C. Bricker, CPSS
Bureau of Environmental Health
Well and Septic Program

**RE: Percolation Certification Plan Revision and Site Plan,
11816 Independence Way, Homewood Crossing - Lot 65**

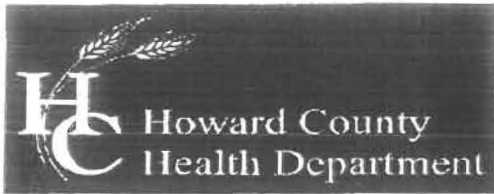
The wellbox presented on the Percolation Certification Plan revision (7/17/2009) is only 10 feet from the dedicated right-of-way (Independence Way) fronting Lot 65.

Any discrete well location or wellbox boundary must be at least 15 feet from the right-of-way boundary, Howard County Code 3.808.

[The original subdivision plan erroneously allowed the wellbox on Lot 65 to be planned only 10 feet from the dedicated right-of-way at that time, however in that the well reserve or replacement locations are now being reconfigured the Approving Authority holds that the well setbacks must meet current code requirements]

The proposed wellbox or discrete well locations must be at least 100 feet from septic system tanks, trenches and dry wells, and septic easements. The 100-foot radius of the proposed wellbox on Lot 65 intersects the septic tank location shown on Lot 66. The septic tanks and septic easements on neighboring lots need to be shown accurately and the regulated setback observed.

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Peter L. Beilenson, M.D., M.P.H., Health Officer

July 16, 2009

TO: Michael Joe Boyce, ESE Consultants, Inc.

FROM: Robert C. Bricker, CPSS
Bureau of Environmental Health
Well and Septic Program

RE: **Percolation Certification Plan Revision and Site Plan,
11816 Independence Way, Homewood Crossing - Lot 65**

After review of the site plan/perc cert revision (7/7/2009) the following issue has been cited for correction:

The discrete well locations must be 50 feet apart.

As this cannot be reconciled due to location of existing well, planned driveway, and limited width of lot, defining 1500 sq.ft. wellbox will be necessary. A graphic is attached showing area that is limited by boundaries of various setback distances.

It may be necessary to move the residence several feet toward the back of the lot to attain the required 1500 sq. ft. area.

You may submit 3 copies of the revised plan as a Percolation Certification Plan/Site Plan.