

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

Q/P 535108

AGENCY REVIEW: \_\_\_\_\_

DATE 4/21/2011

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 5 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Toll MD III Limited Partnership

DAYTIME PHONE 410-872-9105 CELL \_\_\_\_\_ FAX 410-872-4870

MAILING ADDRESS 7164 Columbia Gateway drive Columbia MD 21046  
STREET CITY/TOWN STATE ZIP

APPLICANT Michael Boyce

DAYTIME PHONE \_\_\_\_\_ CELL 410-365-4175 FAX 410-872-4870

MAILING ADDRESS 7164 Columbia Gateway drive Columbia MD 21046  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR . CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Home Wood Crossing LOT NO. 86

PROPERTY ADDRESS Valley View Overlook Ellicot City  
STREET TOWN/POST OFFICE

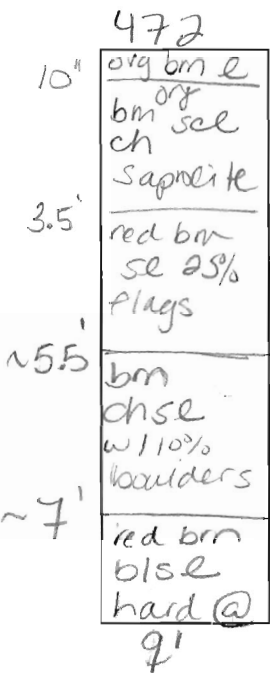
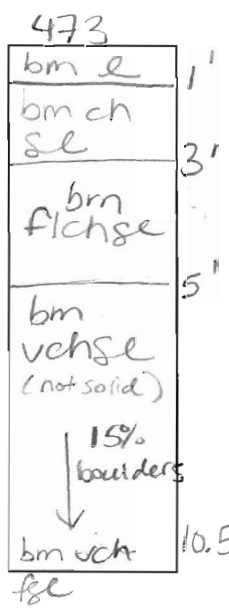
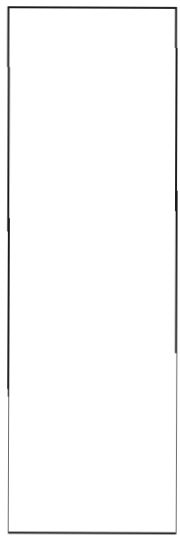
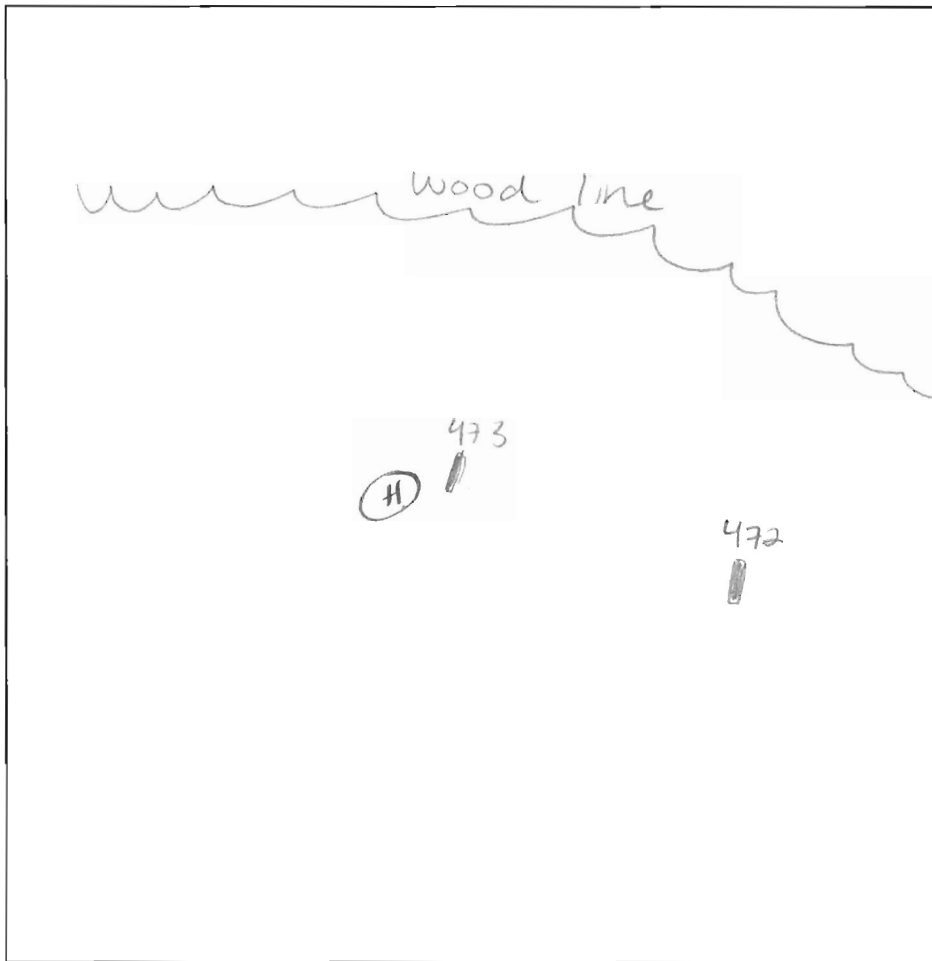
TAX MAP PAGE(S) 29 GRID 8 PARCEL(S) 28 PROPOSED LOT SIZE 44,408sq f

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



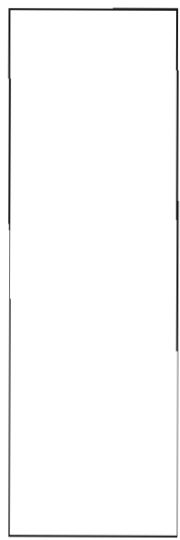
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-2-11	472	4' / 9'	9:29	9:38	9:45	7	P
5-2-11	473	3.5' / 10.5'	9:47	9:50	9:58	8	P

REMARKS Lot 86

SANITARIAN HS BACKHOE Fogles OTHERS Ricky / Bobby

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



13

COUNTY #

SOIL PROFILE

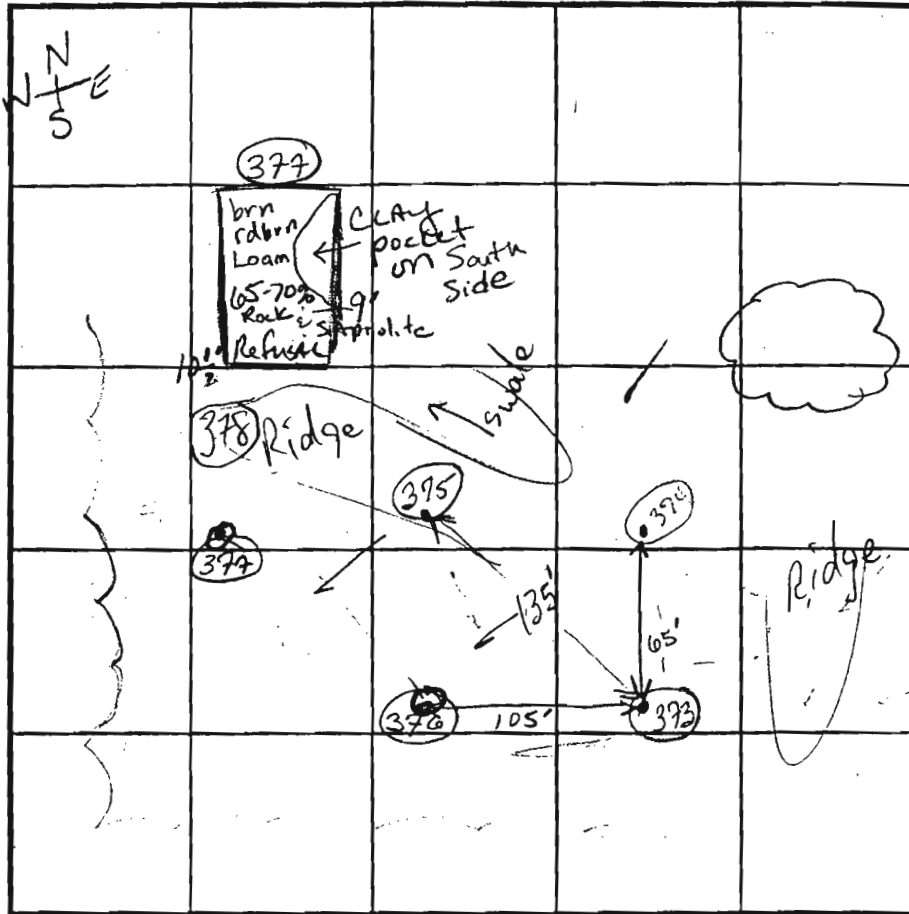
0' (374)  
 6" Topsoil  
 dk tan  
 brn  
 CL Lm  
 3' Lt. beige  
 Lt. tan  
 SA Lm  
 Rock Frq  
 < 5%  
 14' Bottom

(393)

6" Topsoil  
 org brn  
 brn  
 CL Lm  
 Rock Frq  
 25-35%  
 11' Brn  
 beige  
 SA Lm  
 Rock Frq  
 45-55%  
 Refusal

(395)

6" Topsoil  
 dull yellow  
 tan  
 brn  
 CL Lm  
 4 1/2 - 5' dk brn  
 CL Lm  
 beige  
 6' SA Lm  
 < 10% Frags  
 9' Rock Frq  
 15-20%  
 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' (396)  
 6" Topsoil  
 dk tan  
 dk brn  
 CL Lm  
 Rock Frq  
 5-10%  
 5' brn  
 tan  
 SA Lm  
 60-70%  
 Rock  
 Refusal  
 (378)  
 Topsoil  
 DK Brn  
 brn  
 Lm  
 Rock Frq  
 60-70%  
 7' Refusal

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
9-11-01	374	4' 10" S	11:22	11:26	11:26	11:32	6 min
		14' D					PASS
	373	4' S	10:47	10:48 <sup>30</sup>	10:48 <sup>30</sup>	10:50 <sup>30</sup>	2 min
		11' Refusal		FAIL		> Rocks	
	375	4' 2" S	11:05 <sup>10</sup>	11:14	11:14	11:20	6 min
		14' D					PASS
	(376)	SEE SOIL PROFILE / Refusal @ 7'					Fail
	(378)	SEE SOIL PROFILE / Refusal @ 7'					Fail
	(377)	SEE SOIL PROFILE					Fail
		EXCESSIVE ROCK; Refusal					10 1/2'

REMARKS HOLES PER PLAN

TYPE OF SOIL \_\_\_\_\_

TESTED BY Goedeking, Kacie ALSO PRESENT Chuck Cross  
Mike J & crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

A05042

LOT #786

COUNTY #

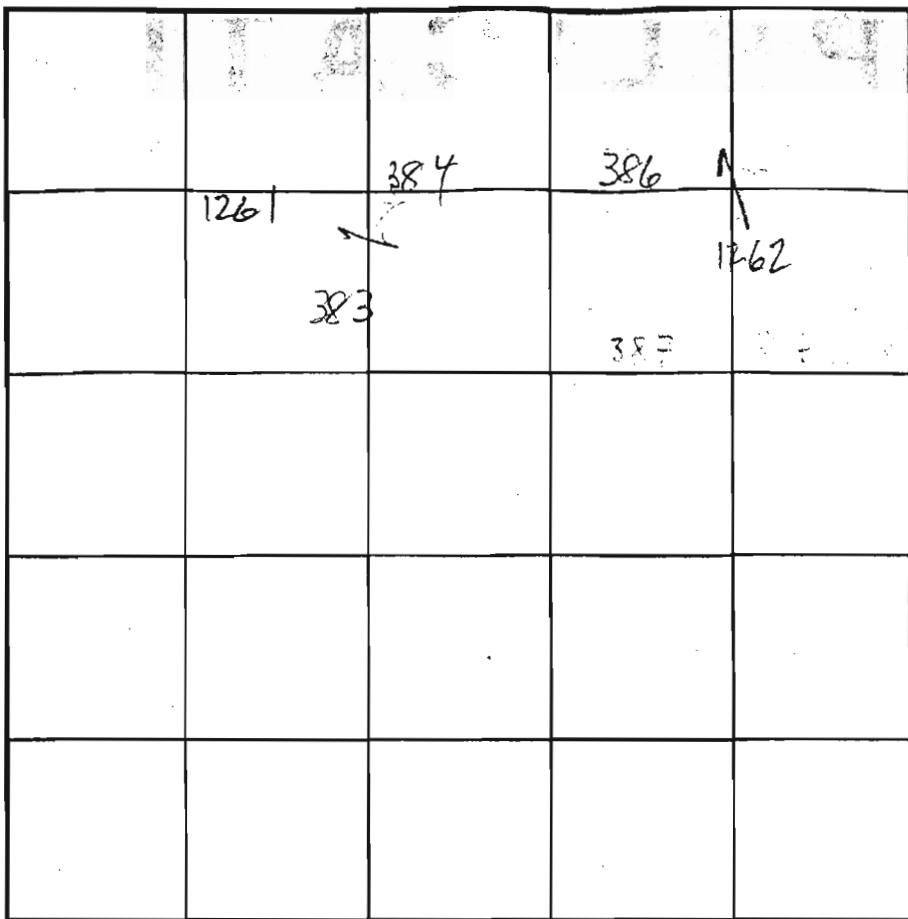
SOIL PROFILE  
1262 1261

0' orge  
brn  
loam

4

5 tan  
orge  
gray  
beige  
sa lm  
10% frags

13



SOIL PROFILE  
1260

0' brn tan  
yel lm

6 brn tan  
sa lm  
10-15%  
frags

13

384

brn tan  
orge  
sa lm  
25-30% frags

5

6 brn  
sa lm  
30-  
45%  
Rx

12

13 1259

brn orge  
lm

tan brn  
beige sa lm  
15% frags

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/26/02	387	NO TEST - DUG HOLE	STAKED	ADJ TO PREVIOUSLY W/OVIOUS RY	FAIL	NO DATA	
	386 V	4 1/2	REFUSAL		FAIL		
	1262 V	13	OK	see	profile		
	384 S	6	1:30 1:39	1:31 1:41	1:31 1:41	1:32 1:43	2
	V	12	FAIL	EXCESS Rx + SAND			
	1261 V	13 1/2	1:49	TIMES MISSED		- OK	
	383 V	12 1/2	FAIL	- POT HOLE NOT POSSIBLE			Rx
	1260 V	5 1/2 / 6 3/4 / 12	2:12 3:09	3:20 3:16	2:44 3:16	3:24	8 OK
	1259 V	4 1/2 / 7 / 13	2:28 3:27	3:30 3:30	3:30 3:30	3:35 3:57	5 OK
	1265 S	7	3:48 3:53	3:49 3:56	3:49 3:56	3:51 3:59	2 3 OK

REMARKS OK @ 6'

TYPE OF SOIL \_\_\_\_\_

TESTED BY H.R. ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

383 SW

SW SIDE

5

6

10-15%  
frags

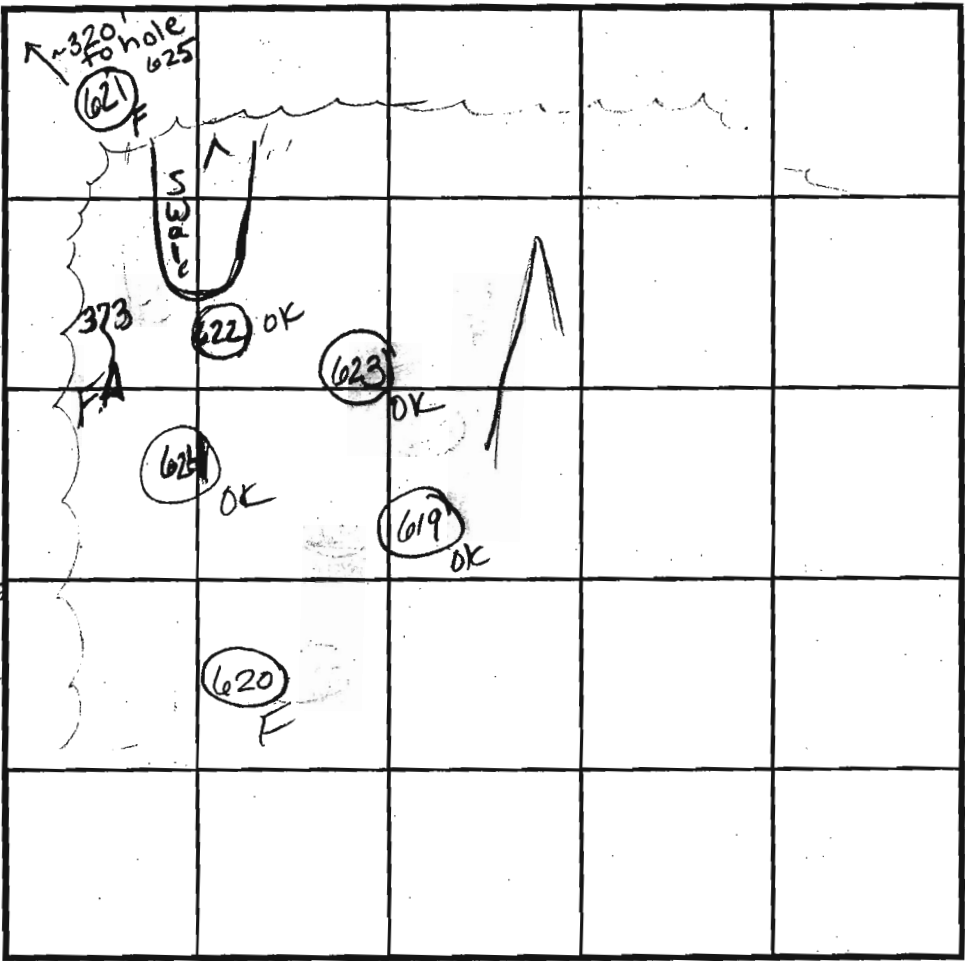
HARD @  
NW

515042

COUNTY #

SOIL PROFILE

0'  
 (619)  
 DK Brn  
 hvy CLM  
 2'  
 Strong  
 org brn  
 SLm-Lm  
 5-10%  
 sm Rx Frag  
 6'  
 org brn  
 tan  
 beige  
 Sand  
 15-25% Rx  
 more  
 Rx  
 Bottom 13 1/2'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(623)  
 wk rd brn  
 SLm-Lm  
 Trace  
 Rx

7'  
 Lt brn  
 tan  
 beige  
 SAND  
 Rx ~ 5%  
 Bottom 14'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/7/02	619	S V 5 1/2' 13 1/2'	1:45:35	1:47:56	1:47:56	1:53	6min OK
	620	Refusal @ 6'					F 30-60% Rx
	623	S M 4' 6'9"	1:55:43	2:09:02		2:50 - Pull	7min OK
	622	S V 4 1/2' 13 1/2'	1:57:56	1:59:49		2:04:29	5min OK
	624	Visual	SEE SOIL Profile				OK
	621	Refusal @ 3'					F

(622)(624)  
 yellow brn  
 brn  
 dk brn  
 SLm-Lm  
 4'  
 tan  
 white  
 Sand-  
 sand lm  
 10% frag  
 Bottom 13 1/2'

REMARKS Holes per plan  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY KG/MR ALSO PRESENT Mike Johnson  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_





G1C2

N 5  
E 1338500

NON-BUILDABLE  
BULK PARCEL '1'

NON-BUILDABLE  
PRESERVATION  
PARCEL 'A'

VALLEY VIEW  
OVERLOOK  
PUBLIC ACCESS STREET

G1B2

LOT 34

M9B2

NON-BUILDABLE  
BULK PARCEL 'H'

G1C2

M9B2

NON-BUILDABLE  
BULK PARCEL 'G'

MID

G1D2

Signed PC  
4-23-07

MID3

G9C2

G6B2

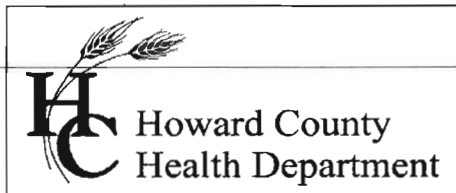
C5

N 572500  
E 1337500

NON-BUILDABLE  
PRESERVATION  
PARCEL 'A'

PATU

68T



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

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

Date: May 3<sup>rd</sup>, 2011

To: Mike Boyce  
Toll Brothers Inc.

From: Heidi Scott, R.S.  
Development Coordination Section  
Well & Septic Program

RE: PERCOLATION TEST RESULTS  
Homewood Crossing - Lot 86  
Valley View Overlook

Percolation testing was conducted at the above referenced property on May 2<sup>nd</sup>, 2011. Results indicate satisfactory soil conditions for onsite wastewater disposal. A total of 2 test holes were dug. Based on soil observations at these locations the septic area may be adjusted further downhill to accommodate a larger house footprint.

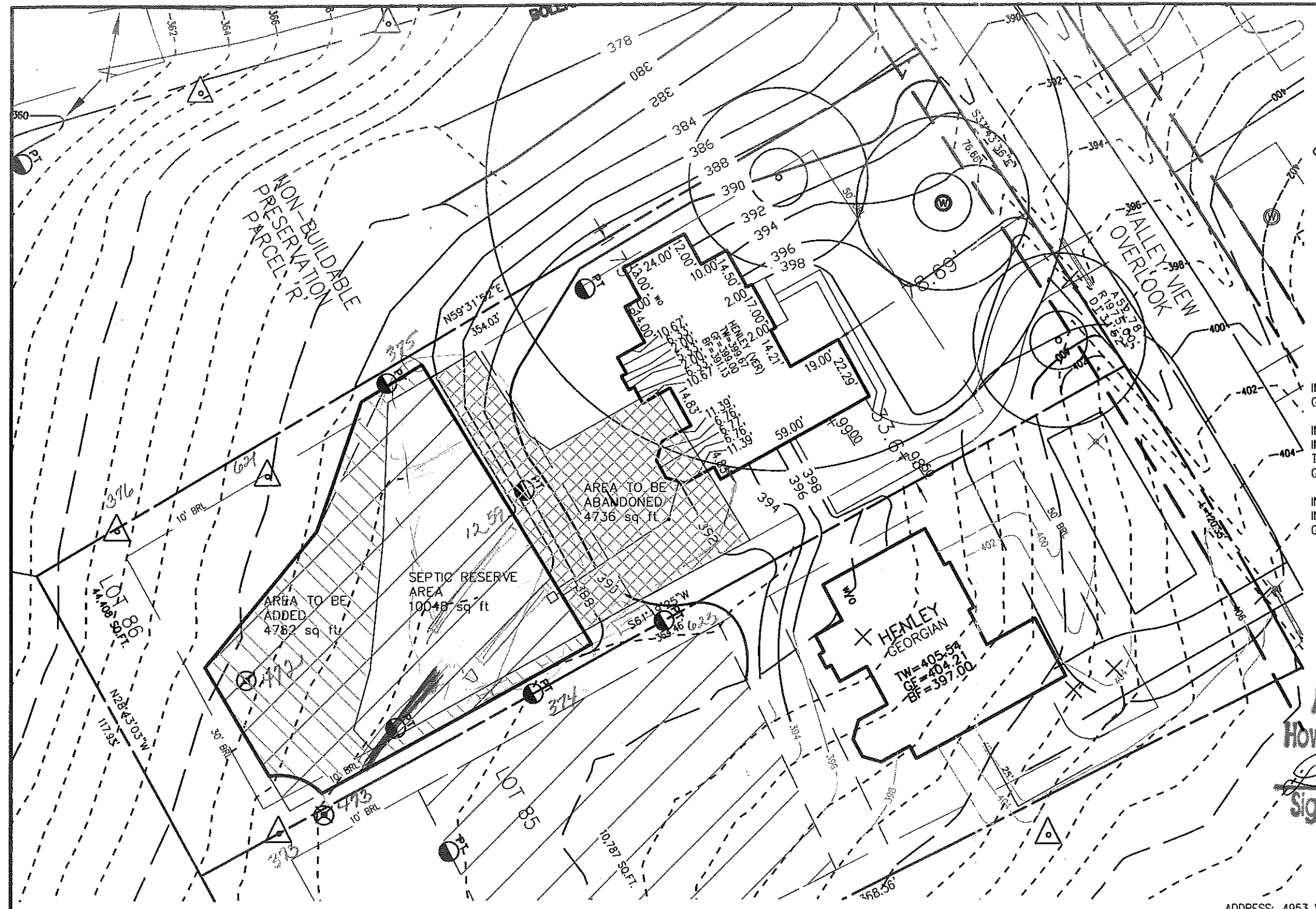
During the perc test it was also confirmed that there is no existing or proposed well located within 100' of the northeast property boundary as shown on the most recently approved Percolation Certification Plan.

Field data collected is shown on the Percolation Test Worksheets enclosed with this letter. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall have been provided, and may be confirmed at the time of an installation. If you have any questions regarding this evaluation please contact me at (410) 313-6287.

Enclosures

Cc:

File



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THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR HOMEWOOD CROSSING - PHASE 2, PLAT No. 18244. REFER TO THIS PLAT FOR ANY RESTRICTIONS AND/OR PROVISIONS.

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

INV. @ HOUSE	384.9
GROUND @ INV. @ HOUSE	392.0
INV. IN TANK	383.9
INV. OUT TANK	383.6
TOP OF TANK	384.6
GROUND OVER TANK	387.6
INV. IN DIST. BOX	383.3
INV. OUT DIST. BOX	383.0
GROUND @ BOX	387.0

THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1987) HAS BEEN FIELD LOCATED, INC. AND IS ACCURATELY SHOWN.

SWM FOR THIS LOT IS MANAGED PER PLAN f 05-069

E & S CONTROLS PER PLAN f 05-069

- PERC AREA TO BE ABANDONED
- PROPOSED PERC AREA
- PERC AREA TO BE ADDED

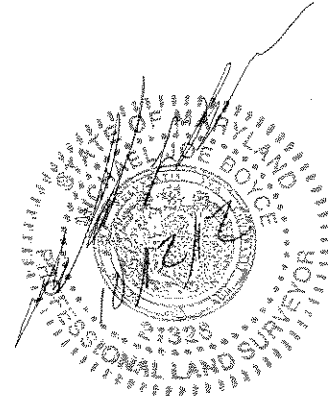
TYPE: HENLEY (VERSAILLES)-  
WALKOUT BASEMENT  
ADD'L 1' TO HEIGHT OF BASEMENT  
EXPANDED FAMILY ROOM  
12' WIDE CONSERVATORY  
NAPLES SUNROOM

- OPTION No. 017
- OPTION No. 070
- OPTION No. 023
- OPTION No. 263021
- OPTION No. 529

THE PURPOSE OF THIS PLAN IS TO REVISE THE SEPTIC RESERVE TO THE NEW PERCS, ALLOWING MORE USABLE AREA ON THE LOT.

Approved Septic System Plan  
 Howard County Health Department  
 Passed Board 2-14-13  
 Signature: *[Signature]* Date: *10/25/2012*  
 B 12002876

ADDRESS: 4953 VALLY VIEW OVERLOOK ELLICOTT CITY, MD 21043  
 COUNTY HEALTH OFFICER: *[Signature]* DATE: *10/25/2012*

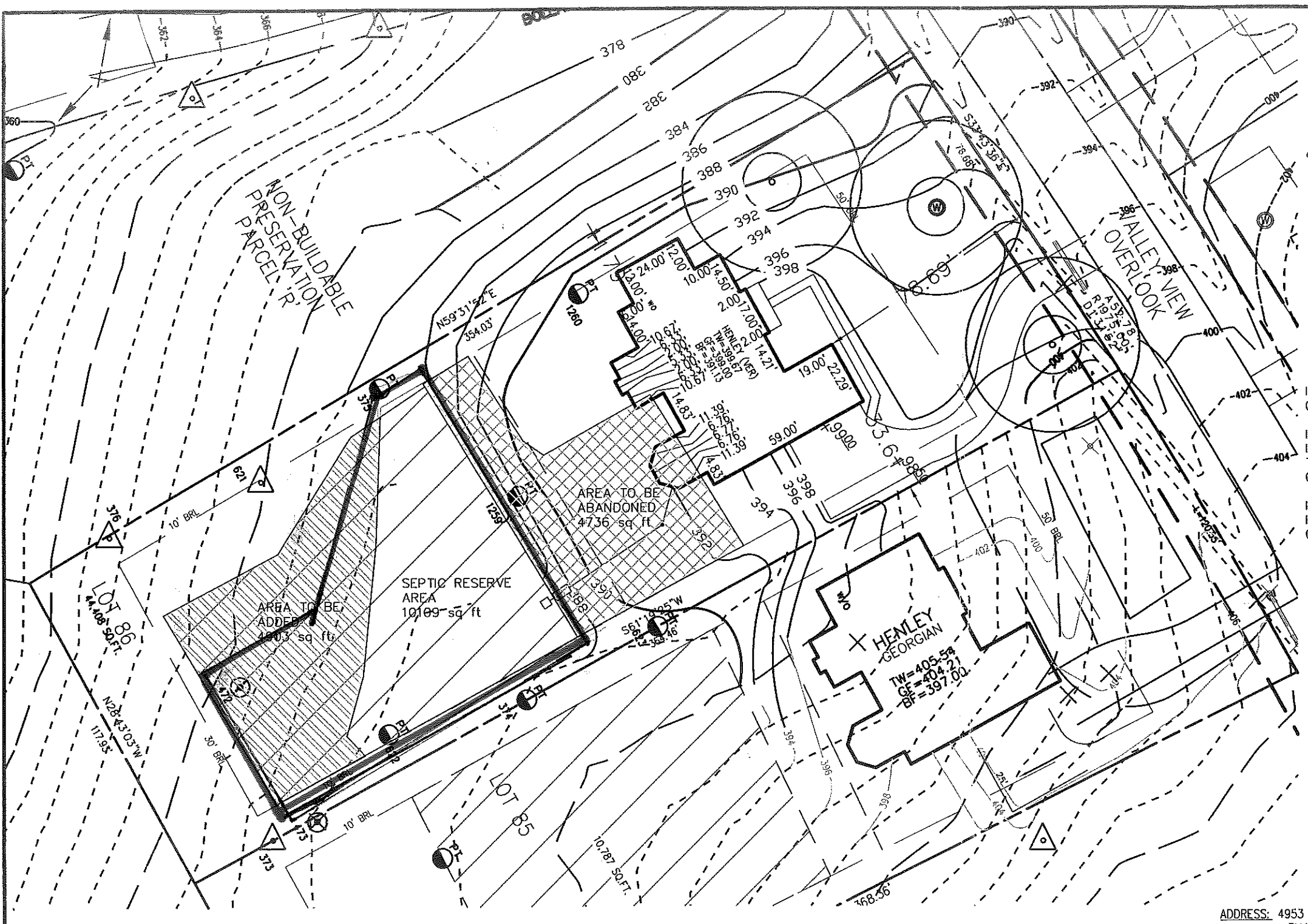


APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
 \_\_\_\_\_  
 CHIEF, DEVELOPEMENT ENGINEERING DIVISION  
 \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DATE \_\_\_\_\_

PERC CERT AND PERMIT PLOT PLAN  
 LOT #86  
**HOMWOOD CROSSING-PHASE 2**  
 LIBER 9808, FOLIO 204  
 PLAT No. 21609  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

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

DATE: 06/18/12      SCALE: 1"=40'      FILE: LOT 86 PP  
 CHK'D: MJB      JOB#: 1214      DRAWN: MJB



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SWM FOR THIS LOT IS MANAGED PER PLAN f 05-069

E & S CONTROLS PER PLAN f 05-069

TYPE: HENLEY (VERSAILLES)-  
 WALKOUT BASEMENT  
 ADD'L 1' TO HEIGHT OF BASEMENT  
 EXPANDED FAMILY ROOM  
 12' WIDE CONSERVATORY  
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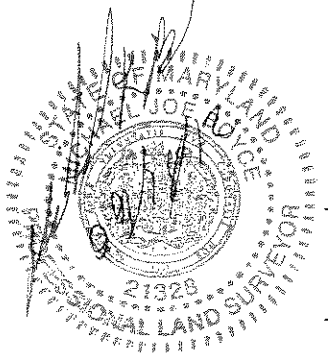
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APPROVED:  
 FOR PRIVATE WATER & PRIVATE SEWER SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

ADDRESS: 4953 VALLY VIEW OVERLOOK  
 ELLICOTT CITY, MD 21043

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_



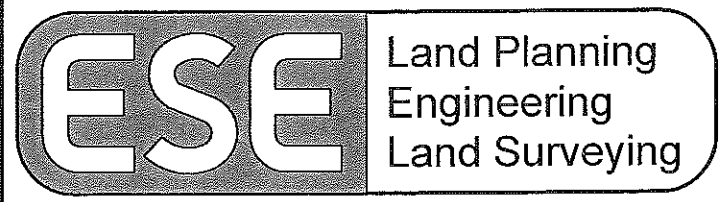
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\_\_\_\_\_  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE \_\_\_\_\_

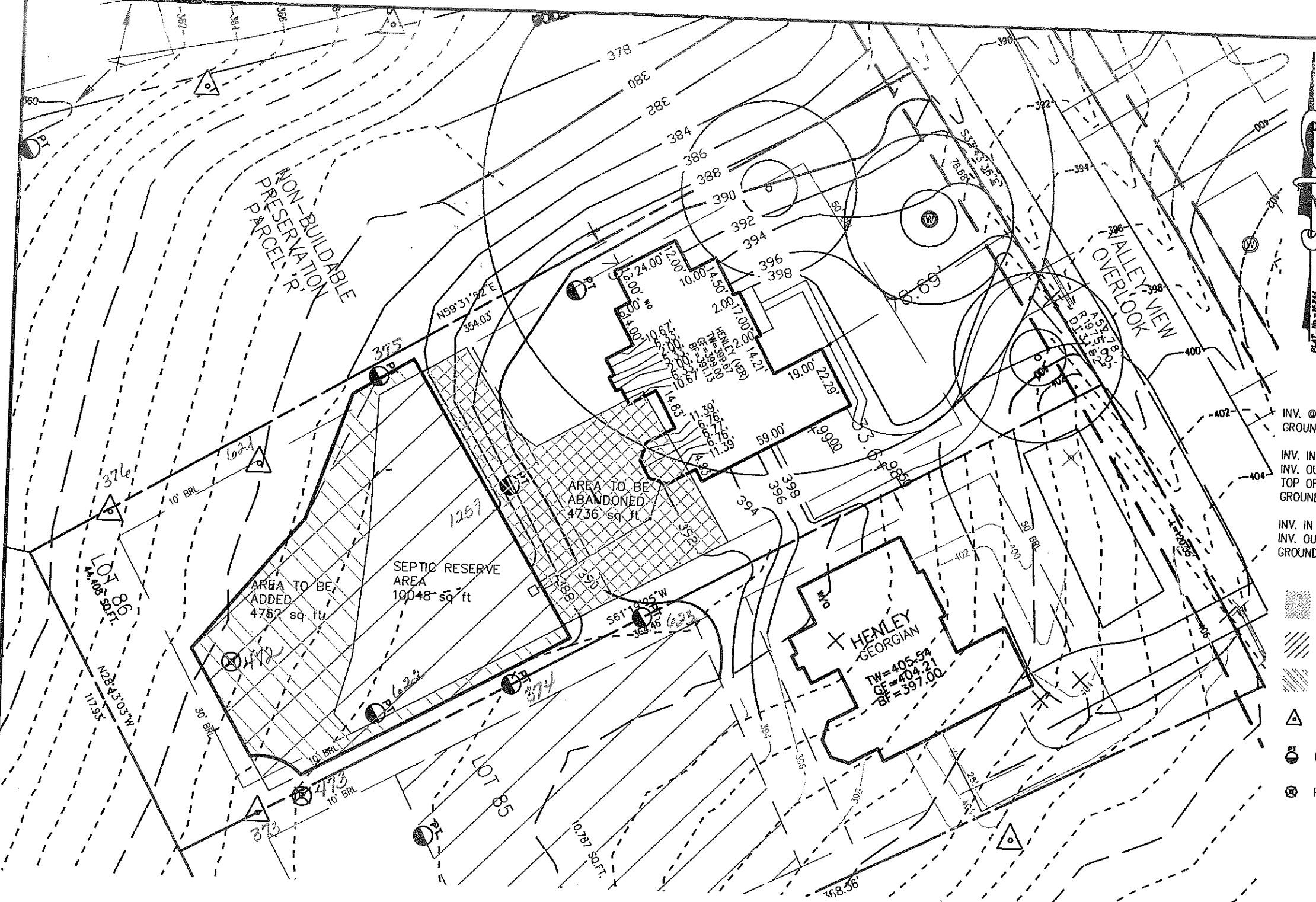
DATE \_\_\_\_\_

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ESE Consultants Inc.  
 7164 Columbia Gateway Dr.  
 Suite 203  
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 TEL: 410-872-9105  
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 CHK'D: MJB JOB#: 1214 DRAWN: MJB



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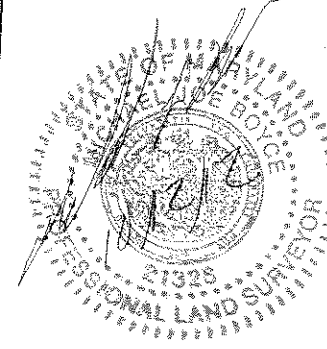
APPROVED:  
FOR PRIVATE WATER & PRIVATE SEWER SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

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- PERC AREA TO BE ABANDONED
- PROPOSED PERC AREA
- PERC AREA TO BE ADDED
- FAILED PERC
- PASSED PERC
- PASSED PERC NEW

ADDRESS: 4953 VALLY VIEW OVERLOOK  
ELLCOTT CITY, MD 21043

County Health Officer: *B. Wilson for Maura Rossman* DATE: *10/25/2012*



APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_

PERC CERT AND PERMIT PLOT PLAN  
LOT #86  
**HOMEWOOD CROSSING-PHASE 2**  
LIBER 9808, FOLIO 204  
PLAT No. 21609  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**Land Planning  
Engineering  
Land Surveying**

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

DATE: 06/18/12 SCALE: 1"=40' FILE: LOT 86 PP  
CHK'D: MJB JOB#: 1214 DRAWN: MJB