



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____

TEST TIME _____

A/P 526654

AGENCY REVIEW: _____

DATE 4/18/07

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 UNKNOWN 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) Lou Placella / J.B Services of West Virginia
 DAYTIME PHONE _____ CELL 410-707-0369 FAX _____
 MAILING ADDRESS 2761 Route 97 Glenwood MD 21738
 STREET CITY/TOWN STATE ZIP

APPLICANT Lou Placella Heritage Land Jeremy Rutter
 DAYTIME PHONE 410 982-2882 CELL 410-707-0369 FAX _____
 MAILING ADDRESS 2761 Route 97 Glenwood MD 21738
 STREET CITY/TOWN STATE ZIP

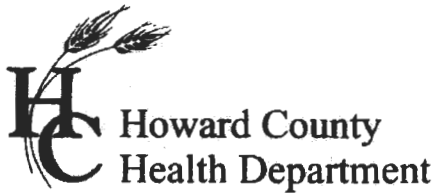
APPLICANT'S ROLE DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT
 PROPERTY LOCATION _____
 SUBDIVISION NAME Placella Property LOT NO. 2
 PROPERTY ADDRESS 2761 Route 97 Glenwood
 STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 14 GRID 17 PARCEL(S) 83 PROPOSED LOT SIZE 4.95

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWAGE 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) 313-1771 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



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STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

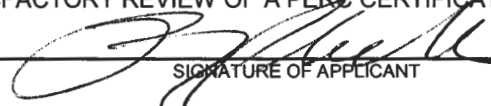
SUBDIVISION NAME Placella Property LOT NO. 1

PROPERTY ADDRESS 2761 Route 97 Glenwood

STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 14 GRID 17 PARCEL(S) 83 PROPOSED LOT SIZE 4.99

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520654-A

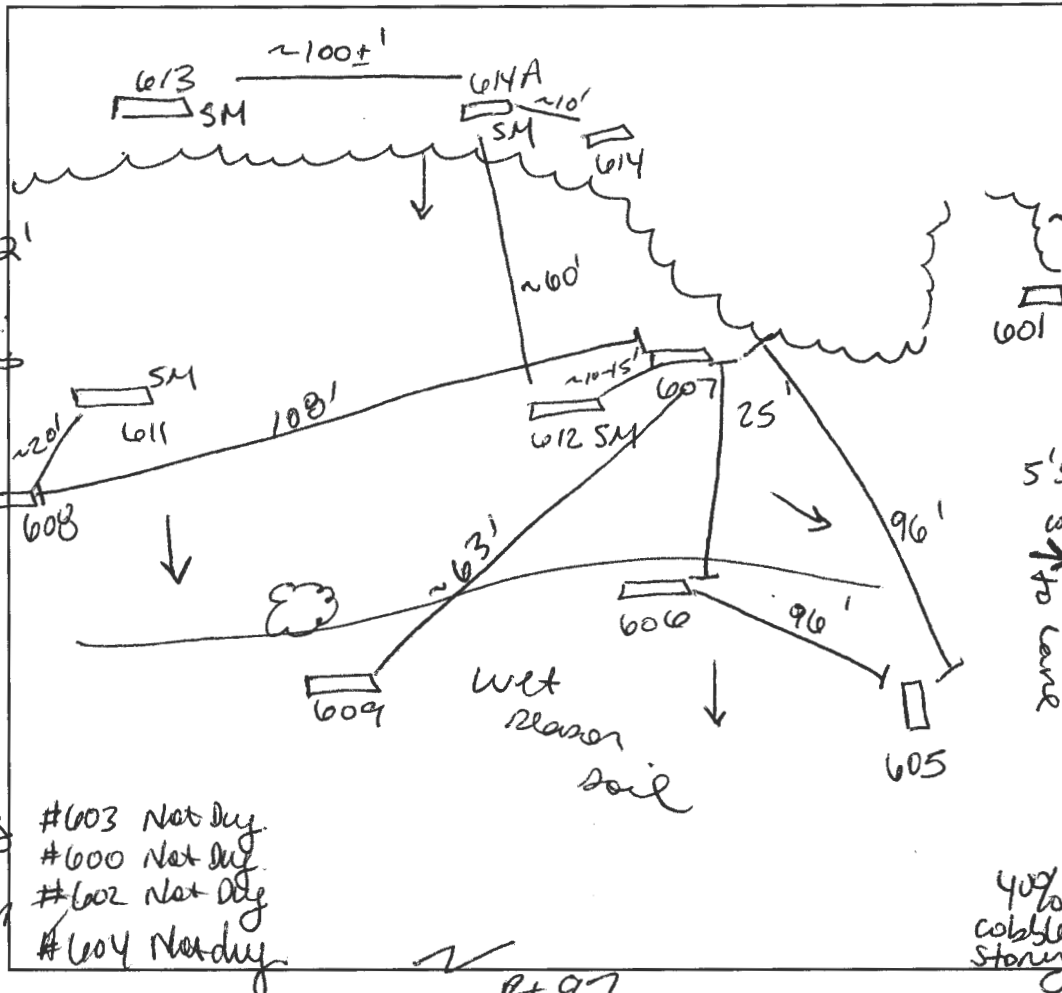
A/P

601
 1" uphed
 brown & lfsbk
 1" brown scl
 45% uphed
 45% wobbles
 story. medium
 se gr. mica
 ~34" dark gray
 w/ st. brown
 d(2) mottling
 5.5" respago
 6" H2O level

608
 1" brown & lfsbk
 roots
 1" st. brown
 scl gravelly
 2.3" brown/st
 brown
 medium
 se gr.
 trace rock
 d(2) quartz
 frags
 7.5" H2O level

607
 11" brown & lfsbk
 1" st. brown
 scl
 dense in
 ground
 roots
 3.5" transition
 brown
 medium se
 gr
 trace rock

2.8' cave in
 st. brown
 gray
 se gr.
 d(2) mottles.
 9" H2O se gr.
 11" trace rock



#603 Not dug
 #600 Not dug
 #602 Not dug
 #604 Not dug

609
 brown & lfsbk
 st. brown
 scl
 gravels
 brown
 se gr
 40% cobbles
 brown
 medium se
 gr. mica
 2.2" respago
 4.5" dark gray
 w/ st. brown
 d(2) mottling
 6" H2O level

600
 brown & lfsbk
 brown
 scl
 ↓
 brown
 coarse se
 gr.
 HB 4'

605
 brown & lfsbk
 brown
 scl
 heavy
 se
 d(2) mottles
 cavern 3
 3.9" st. brown
 gray
 d(2) mottles
 sil mica
 5" H2O level

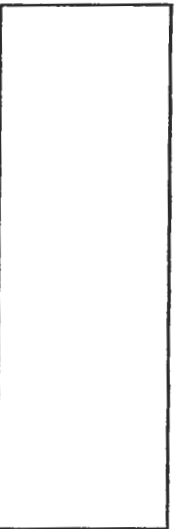
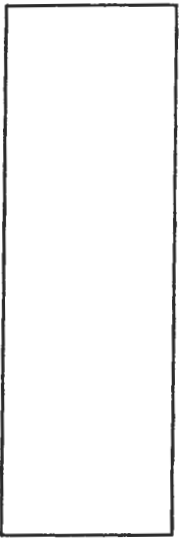
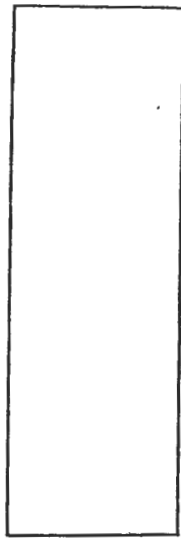
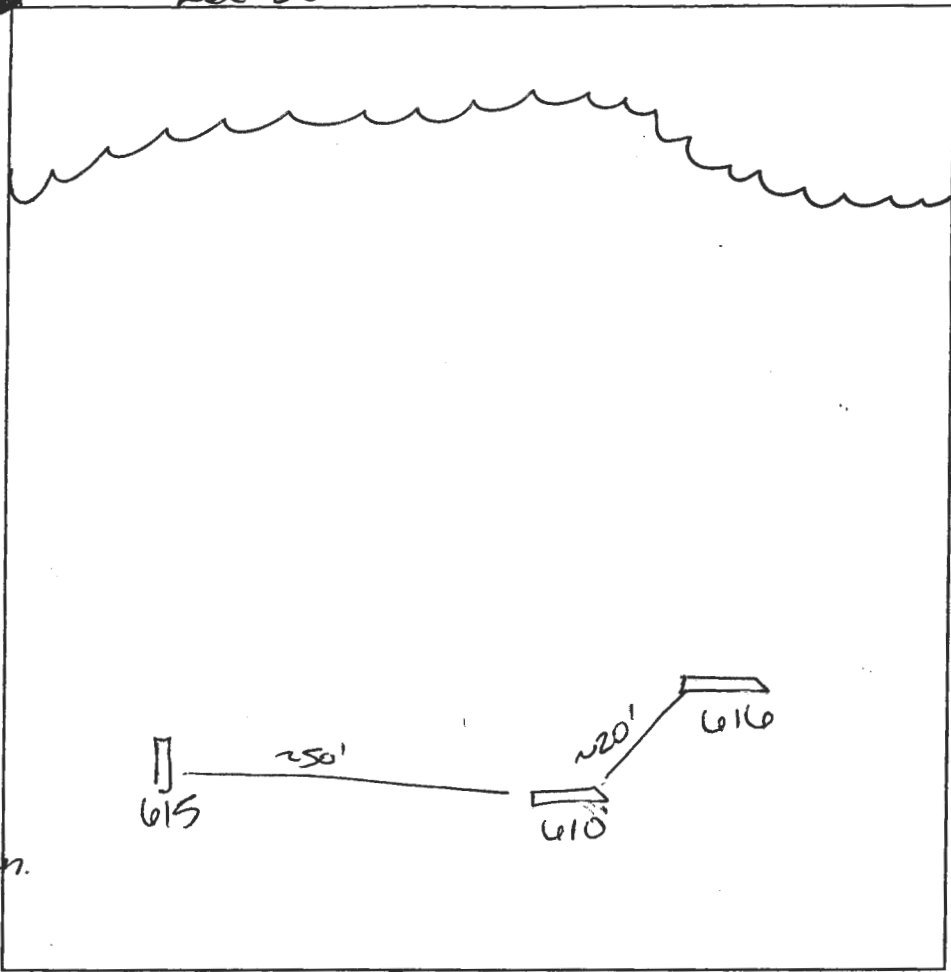
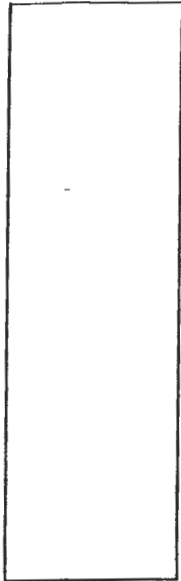
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
5/22/07	608	11"					F
	607	11"					F
	609	6'					F
	606	4'					F
	605	6'					F
	601	7'					F

REMARKS Area tested in a grassy, shrub, weeded area #601 dug per plan, see
 others field
 located.

SANITARIAN SF BACKHOE Level land OTHERS Chuck Zapp.

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



610
brown l
1fsbk
2' (f)(2) mottling
st. brown/red brown
fine s.s.
3' (d)(2) mottling
st. brown/gray
↓
p(2) mottling
5' deep gravel
30% cobbles
stones.
5 1/2' H.B.

614 = SM
brown l
1fsbk
1' 75% cobbles
clanner
s.s./heavy s.s.
hard in ground
squelch
2' coarse s.s.
gr. down
ground
squelch
75% cobbles
stone.
3 1/8"

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
5/22/07	610	5 1/2'			visual		F
				Wet season	test needed		
				lot 2			
	614	3' 8"			visual		F
			see location	other sheet	lot 1		

REMARKS Area tested in brush field located
 SANITARIAN SF BACKHOE level land OTHERS Chuck Zapp
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SAW _____

MOUND TEST DATA SHEETS

Property I.D. placella property Lot # 1 Date 5/22/07

Sanitarian SF Landscape Position wet season tests needed.

% Slope _____ Soil Type _____ Contractor _____

HOLE # 614A DEPTH OF TEST 13" START TIME _____

brown & lfsbk
brown
scl m
gravelly
transition
st. brown
coarse s& gr
45% cobbles + stone

2'
5'
6 1/2'

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 10/16	11:52	0		
10 8/16	12:07	8/16		
10 4/16	12:22	4/16		
10 1/16	12:37	3/16		
9 14/16	12:52	3/16		
9 11/16	1:07	3/16		
9 9/16	1:22	2/16		

HOLE # 613 DEPTH OF TEST 14" START TIME _____

brown & lfsbk
brown red
scl m
dense in ground
5% gravel
transition
st. brown
medium/coarse
s& gr
30% cobbles + stone

1'8"
2'
4'
6'

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	12:06	0		
9 3/16	12:21	13/16		
8 12/16	12:36	7/16		
8 4/16	12:51	8/16		
7 14/16	1:06	6/16		
7 8/16	1:21	6/16		
7 2/16	1:36	6/16		

45 min

MOUND TEST DATA SHEETS

Property I.D. Plouella prop Lot # 2 Date 5/22/07

Sanitarian SF Landscape Position _____ wet reason tests needed
 % Slope _____ Soil Type _____ Contractor _____

HOLE # 615 DEPTH OF TEST _____ START TIME _____

615

brown & 1fsbk
 fine brown s& d(2) matting
 p(2) matting st. brown gray
 2'8"
 41

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
910/16	1:55	0		
914/16	2:10	2/16		
914/16	2:25	0/16		

Failed

HOLE # 616 DEPTH OF TEST 11" START TIME _____

brown, heavy medium s& gr. 45% cobbles
 medium s& gr
 30% cobbles
 2'
 3'

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
910/16	2:13	0		
83/16	2:28	13/16		
72/16	2:43	17/16		
64/16	2:58	14/16		
57/16	3:13	13/16		
49/16	3:28	14/16		

15 min

MOUND TEST DATA SHEETS

Property I.D. Plavella prop Lot # 1 Date 5/22/07

Sanitarian SF Landscape Position _____

% Slope _____ Soil Type _____ Contractor level land / zapp

HOLE # 611 DEPTH OF TEST 15" START TIME _____

611
brown & lfsbk dense in ground
brown
scl gravelly dense 10% gravel
transition
brown medium se gr
lava rock
4'

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 ¹⁰ / ₁₆	9:49	0		
9 ¹³ / ₁₆	10:04	1 ³ / ₁₆		
8 ¹⁶ / ₁₆	10:19	13/16		
8 ⁸ / ₁₆	10:34	8/16		
7 ¹⁰ / ₁₆	10:49	8/16		
7 ⁸ / ₁₆	11:04	8/16		
7 ¹ / ₁₆	11:19	7/16		
6 ¹⁰ / ₁₆	11:34	7/16		

wet season tests needed to confirm level of the table.

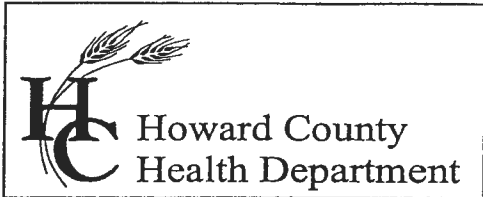
30 min

HOLE # 612 DEPTH OF TEST 15" START TIME _____

612
brown & lfsbk
brown scl m dense in ground 5% gravel
transition
brown medium se heavy gr. micaceous
lava rock
3'

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 ¹⁰ / ₁₆	10:04	0		
9 ³ / ₁₆	10:19	13/16		
8 ¹³ / ₁₆	10:34	6/16		
8 ⁸ / ₁₆	10:49	5/16		
8 ² / ₁₆	11:04	6/16		
7 ¹⁴ / ₁₆	11:19	4/16		
7 ¹⁰ / ₁₆	11:34	4/16		

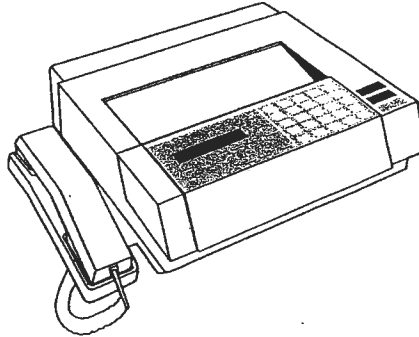
1 hr



Bureau of Environmental Health
7178 Columbia 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

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

F A X



Date

9/23/07

To

Heather Stuprud

Department

ESH

FAX #

410-796-1502

From

Sara

Telephone

410-313-4261

FAX (410) 313-2648

of Pages

8

(including cover page)

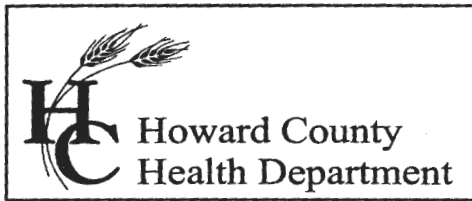
Comments

Placella prep.

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website: www.hchealth.org

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

June 6, 2007

Lou Placella
JB Services of West Virginia
2761 Route 97
Glenwood, Maryland 21738

RE: PERCOLATION TEST RESULTS –
A#526654 and A#526654-A
2761 Rt 97

Dear Mr. Placella:

Percolation testing conducted May 22, 2007 on the referenced property indicated both satisfactory and unsatisfactory soil conditions. Limiting factors influencing soil conditions included shallow water tables, rock content, and dense soil material. Copies of the test results are enclosed. The soil conditions on site limited percolation testing for a subsurface sewage disposal system. Instead, preliminary sand mound testing was completed. Further testing during the wet season will be required to determine the suitability of Lots 1 & 2 for sewage disposal. An updated percolation test plan submitted to the Health Department is required prior to testing. This plan should reflect adjustments made to the proposed sewage disposal areas based on initial test data. Wet season generally occurs between the months of February and April. Our office will contact you when this testing begins.

Further review is contingent upon submission of a percolation test plan showing the following:

- 1) Actual surveyed locations and elevations of all excavated test holes
- 2) Proposed house site (55' x 70')
- 3) Existing and proposed property lines
- 4) Proposed well sites. Either 3 well sites or one 1500 sq. ft. well box w/elliptical radius of 100' around the entire zone for each proposed lot
- 5) Location of any neighboring wells and septic systems within 100' of the property or 200' if well is down gradient of a sewage disposal area.
- 6) Proposed 10,000 ft² for each lot including three mound sites for each lot
- 7) Topography needs to be shown at 1 foot contour intervals for sand mound systems
- 8) Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries
- 9) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review

- 20) Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, percolation certification plan etc
- 21) Name, address and telephone number of each owner, developer and the plan author.
- 22) The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Fegel, R.S.
Well and Septic Program
Development Coordination Section

Enclosures

Cc: Jeremy Rutter, Heritage Land

File