

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 529457

AGENCY REVIEW: _____

DATE 6/23/08

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) Jonathan & Elizabeth Spargur

DAYTIME PHONE 301-854-5234 CELL 301-704-4140 FAX 410-609-0088

MAILING ADDRESS 3344 Brantley Rd Stenwood Maryland 21738
STREET CITY/TOWN STATE ZIP

APPLICANT Jonathan & Elizabeth Spargur

DAYTIME PHONE 301-854-5234 CELL 301-704-4148 FAX 410-609-0088

MAILING ADDRESS 3344 Brantley Rd Stenwood Maryland 21738
STREET CITY/TOWN/ STATE ZIP

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

PROPERTY LOCATION 3344 Brantley section 2 Area 1 LOT NO. 10
SUBDIVISION/PROPERTY NAME

PROPERTY ADDRESS See map Block A
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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.

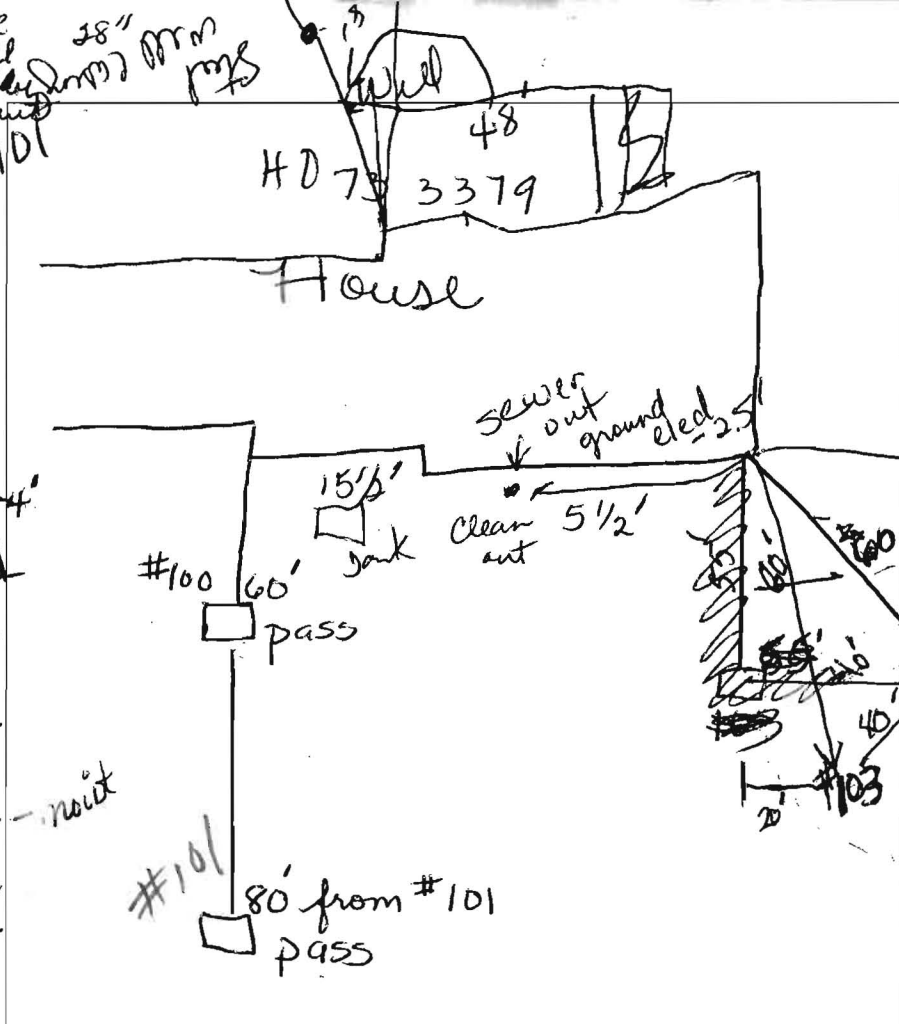
TEST RESULTS WILL BE MAILED TO APPLICANT. _____
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

45
12
37
1257

APV
X100 X101

loose well fitted 28" mm
conduct



4.85
1257
48
84
84
6

Clay Red Cap 2'
light Red 31-heavy 4'
Light Grey Broken fine SL Saprolite 8
grey-brn Banded Saprolite 12
13 1/2

101 & 100 Similar profile

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8-7	100	5 13 1/2	10:15	10:17	10:19	2m P	
8-7	101	14	Usual Samples #100P				
8-7	102	7ft	Jail	65%	Rock @ 7'	Rock 35% 40%	4.5'
8-7	103	4' 14	11:53	11:54	11:55	1 min	6'
			Relocate repair Pot Hole	11:59	12:00	Repair	45% Rock 65% Rock Refusal
		3 1/2		12:01	12:02	12:04	7'

#102
Rock 35%
40%
SI
45% Rock
65% Rock
Refusal

#103
SL Red Brown 1 1/2'
Heavy 2'
SL Red Brown 5'
Badder down hill end
Grey Brown fine SL Saprolite

REMARKS _____

-10 SANITARIAN _____ BACKHOE _____ OTHERS _____

-14 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Trench @ 3' cannot be used unless variance is requested

45' feet
5' off parallel

146' corner
~~to~~ neighbors
~~at~~ House



A/P# A529457

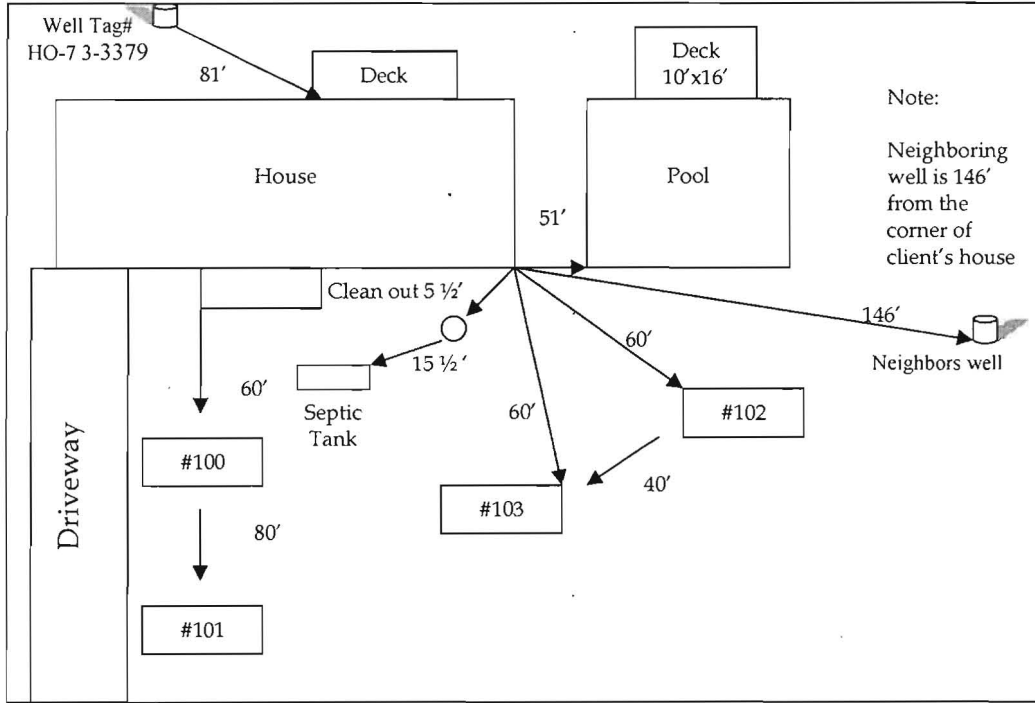
Note: The well had steel casing 28" from the ground.

Perc Information

#100

#102

Clay Red Cap
-----2'
Light Red Heavy SL
-----4'
Light Grey-Brown, FSL Saprolite
-----8'
Grey Brown Banded SL
-----10½'
MSL, Gneiss Saprolite
-----12'
Moist MSL, Gneiss Saprolite
13½'



Rock 35-40% FSL
Light Grey- Brown
-----4 ½'
45-65% Rock SL
↓
Refusal at 7'
-----7'

101

Profile is the same as Test #100

Date	Test #	Depth	Start	Break Stop 1" Drop	Break Stop 2" Drop	Time of 2nd Inch	P/F/H	
8-7-2008	100	5' / 13.5'	10:15	10:17	10:19	2 min.	Pass	
8-7-2008	101	14'	Visual Observation (Profile is the same as Test #100)					Pass
8-7-2008	102	7'	More Than 65% Rock @ 7'					Fail
8-7-2008	103	4' / 14'	11:53	11:54	11:55	1 min.		
	Relocate Perc Hole		12:00	12:02	12:04	2 min.	Pass	

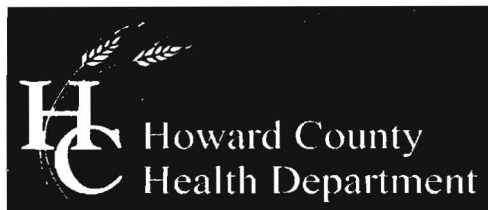
#103
Red - Brown SCL
-----1 ½'
Red-Brown SL
-----2'
Bolder downhill end at 5'
-----5'
Light Grey -Brown FSL Saprolite
↓
-----14'

Remarks _____

Sanitarian _DB and RB _____ Backhoe _Fyock _____ Others _____

Test Holes Used in SDA _____ Avg. Perc Time 2 min. _____ SQ.FT/BR _____

Trench Width _____ Inlet Depth _____ Max Bot.Depth _____ Effective S/W _____



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

August 19, 2008

RE: **Percolation Test Results**

Purpose: Establish Septic Area to Accommodate Addition

Property ID: Spargur Residence

3344 Brantly Road

Glenwood, Maryland 21738

Tax Map: 21 Parcel #185

Dear Mr. Jonathan Spargur:

Percolation testing was recently conducted August 7, 2008 on the above referenced property, in an effort to establish sufficient septic reserve area to accommodate a new addition on the property. (A copy of the test results is enclosed.)

Because of the encroachment of the proposed addition into the septic easement, a new septic easement has been established. The drywell, septic tank, and the only trench used for the property will have to be abandoned. The existing driveway must also be removed to accommodate the new septic easement. And a new septic system will have to be established in the new easement.

Further review is contingent upon submission of the following:

- Percolation Certification Plan

If you have any questions or correspondence and would like to schedule a meeting to further discuss Percolation Certification Plan, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

A handwritten signature in cursive script that reads 'Dana L. Bernard'.

Dana L. Bernard, Sanitarian

Bureau of Environmental Health

Well and Septic Program

Phone (410) 313-2775

Fax (410) 313-2648

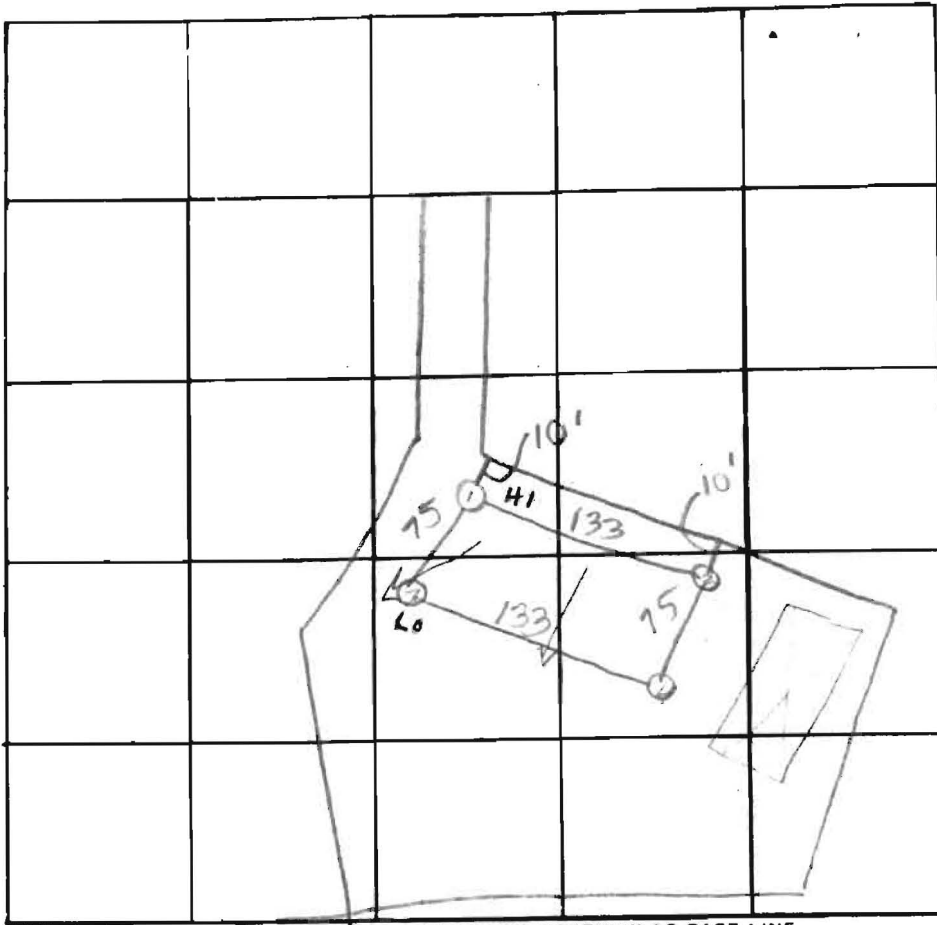
E-mail: DBernard@howardcountymd.gov

DLB

Enclosure

cc: Well & Septic program file

A23859



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

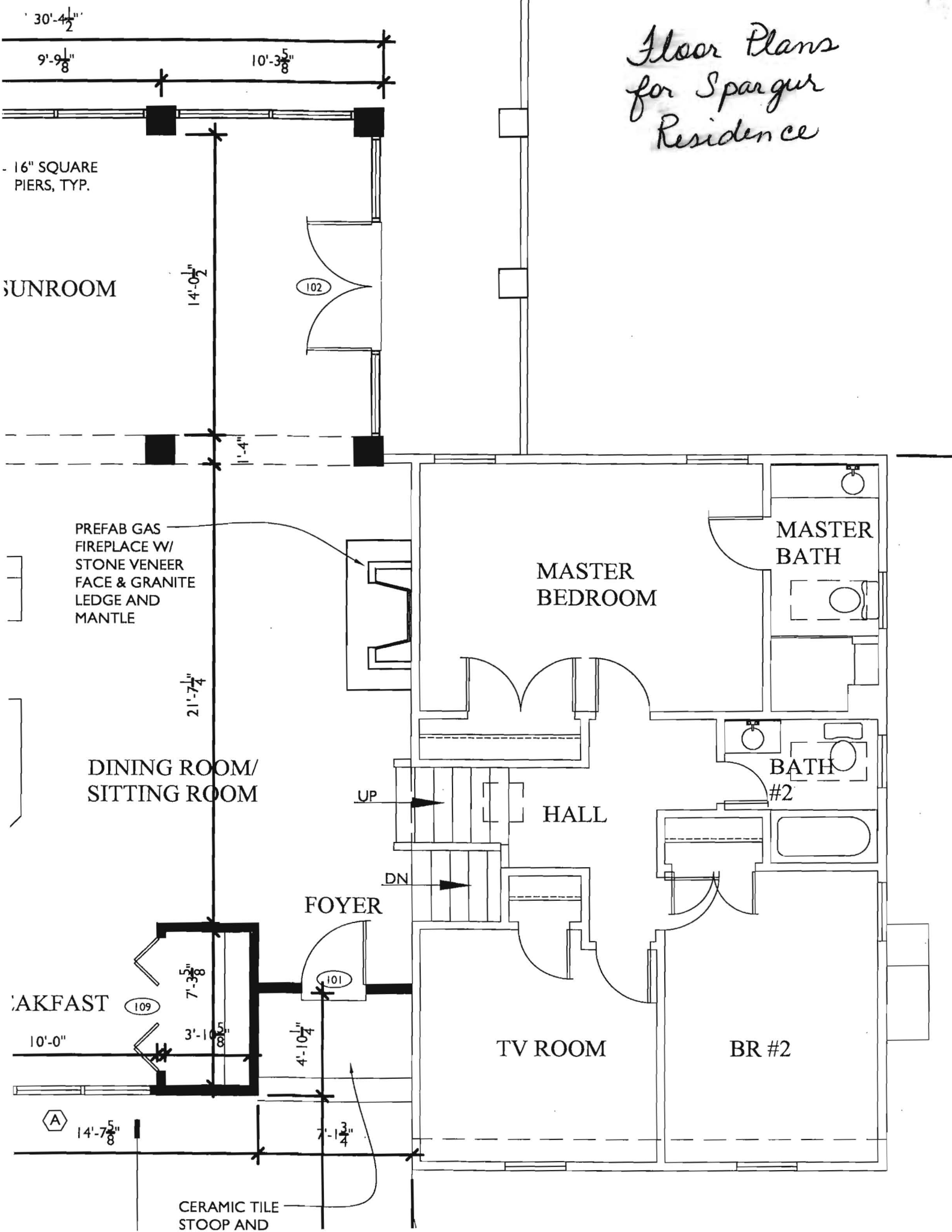
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/21/70	1	4	1315	1323	1323	1333	12
		13		1330		1333	13
	2	Visual		12			
	3	4	1412	1415	1415	1418	3
		14	1412	1416	1416	1422	7
	4	5	1424	1426	1426	1429	3
		14	1424	1429	1429	1436	7

REMARKS System List !!!!

TYPE OF SOIL _____

TESTED BY RT ALSO PRESENT: _____

*Floor Plans
for Spargur
Residence*



Percolation Certification Plan


Owner: Jonathan Spargur
 3344 Brantly Road
 Tax Map: 21 Parcel: 185
 Section II, Lot #10
 Glenwood, Maryland 21738

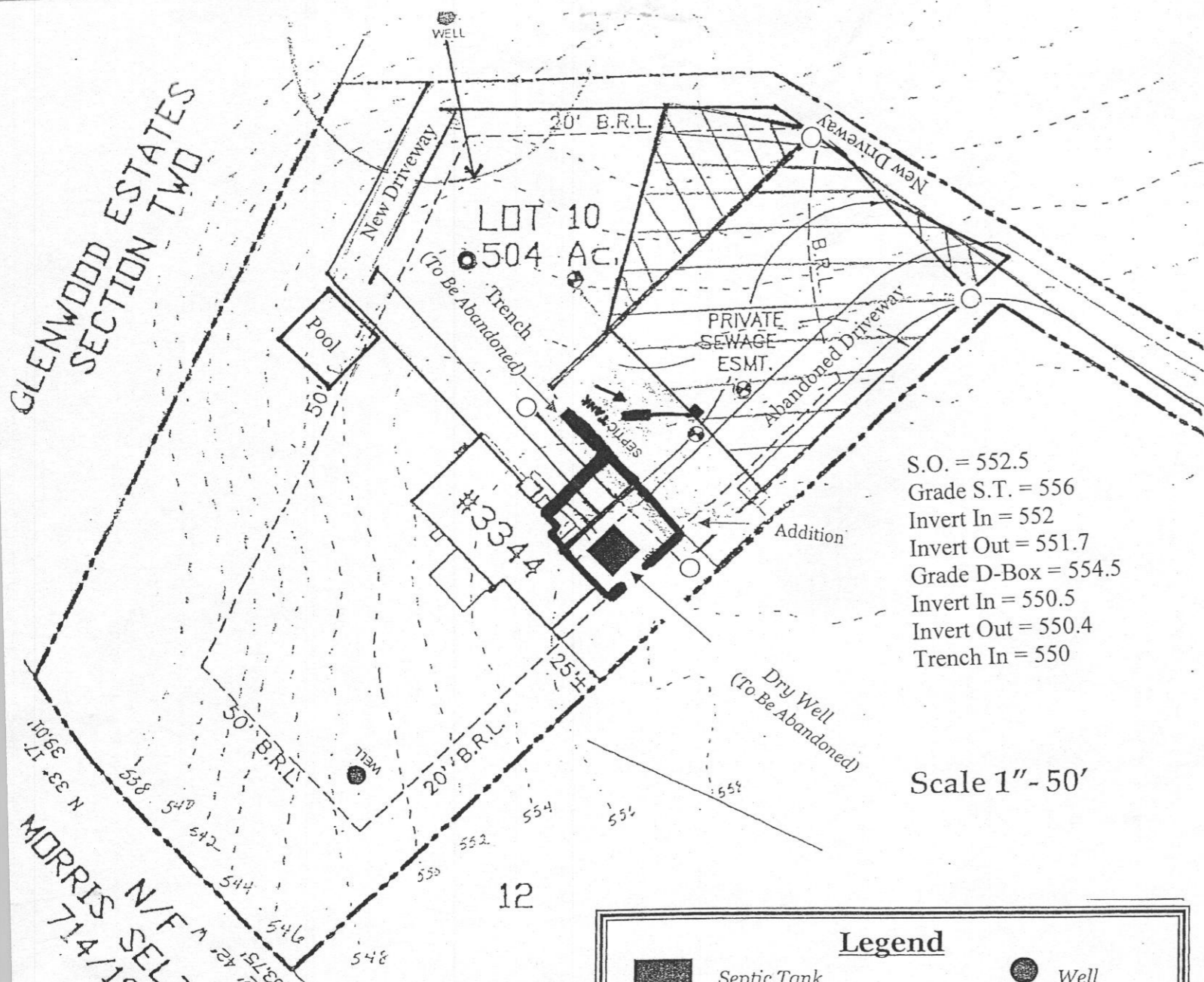
Approved Septic System Plan
 Howard County Health Department
 Septic System Permit
 Approved 9/17/08

Project: Addition to existing house.

Dana Bernard 9-17-08
 Signature Date

Notes:











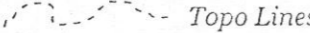


- The lot hereon complies with the minimum ownership width and area as required by Maryland Department of the Environment (MDE) for lots created after March 1972.
- Any changes to a private sewage easement shall require a revised percolation certification plan.
- The topography of this plat is taken from Howard County GIS and is verified to accurately represent the relative changes on the subject property.
-  This area designates a private sewage disposal area of at least 10,000 sq. ft. as required by the Maryland Department of the 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 or modified sewage easement shall not be necessary.
- All known wells and/or septic easements located within 100 feet of the property have been shown.
- The existing drywell, trench and septic tank will be abandoned and the replacement septic system installed prior to building permit approval.
- The Purpose of this Percolation Certification Plan is to establish a septic easement in support of a building permit application for a 2 story addition to the existing dwelling at 3344 Brantly Road, Glenwood, Maryland 21738.



S.O. = 552.5
 Grade S.T. = 556
 Invert In = 552
 Invert Out = 551.7
 Grade D-Box = 554.5
 Invert In = 550.5
 Invert Out = 550.4
 Trench In = 550

Scale 1" = 50'

Legend

 Septic Tank (Moved to accommodate Addition)	 Well
 Dry Well (To Be Abandoned)	 Property Line
 Deleted Area of Septic Easement (2850 sq. ft.)	 Building Restriction Line
 Added Area of Septic Easement (2542 sq. ft.)	 Passed Perc Hole 8-7-08
 Septic Easement (7488 sq. ft.)	 Existing Perc Hole
 Topo Lines	 Trench (To Be Abandoned)
	 Failed Perc Hole 8-7-08

Note: New Established Area Total = 10030 sq. ft.



PROPERTY ADDRESS: 3344 BRANTLY ROAD

CERTIFICATE
 I HEREBY DECLARE THAT THE POSITION OF ALL THE VISIBLE EXISTING IMPROVEMENTS SHOWN ON THE ABOVE DESCRIBED PROPERTY HAVE BEEN ESTABLISHED BY PROPER FIELD METHODS.

Gary Dean Simpson
 GARY DEAN SIMPSON
 Reg. MARYLAND P.L.S. No. 514

REFERENCES	PLAT BY: C.M.P. 3805
	PLAT NO.
	LIBER
	FGLO

"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 my knowledge and belief."

Jonathan Spargur
 Applicant

9/15/2008
 Date

Approved For Private Water and Private Sewage System

Peter Brulansen
 Health Officer, Howard County Health Department

9/15/2008
 Date