

APPLICATION

PERCOLATION TESTING

A 514947 *B*

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE Feb. 26, 2001

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 Billy W. Curtis

ADDRESS 24620 Ridge Road
Damascus, Md. 20872 PHONE 301 253-4226

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 76

ROAD AND DESCRIPTION 950 Ridge Road - Mt. Airy, Md. Approx two miles South of
I- 70 on right side of Rt. 27.

TAX MAP _____ PARCEL # _____

SIZE OF LOT 39700 Sq Ft ⁺ TYPE BLDG. Single Family
(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. Billy W. Curtis
(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

TEST DATA

NAME _____ FILE NO _____

LOCATION _____ COUNTY _____

DATE _____

GRID _____ E

RECORDED BY _____ N

[illegible]

TEST DATA

NAME Curtis Property - Lot 75

FILE NO A514957

LOCATION Route 27

COUNTY Howard

Mount Airy

DATE 4/6/2001

RECORDED BY Brian Baker

GRID

E

N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
1	Lot 75	18"	9:54	start	9"	
			10:09	15	8 ¹³ / ₁₆ "	
			10:24	15	8 ⁸ / ₁₆ "	
			10:39	15	8 ⁵ / ₁₆ "	
			10:54	15	8 ¹ / ₁₆ "	
			11:09	15	7 ¹³ / ₁₆ "	
			11:24	15	7 ⁹ / ₁₆ "	0.25" x 4 = 1.00 in/hour
			11:39	15	7 ⁵ / ₁₆ "	0.25" x 4 = 1.00 in/hour
			11:54	15	7 ¹ / ₁₆ "	0.25" x 4 = 1.00 in/hour
			12:09	15	6 ¹³ / ₁₆ "	0.25" x 4 = 1.00 in/hour
						4.00
						4.00 ÷ 4 = 1.00 in/hour

TEST DATA

NAME Curtis Property FILE NO _____

LOCATION _____ COUNTY _____

DATE 4/16/01

GRID _____ E _____

RECORDED BY Brian Baker N _____

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
2	Lot 75	18"	10:00	Start	8"	15 / .188 = 79 min/inch Pulled (Need To Retest)
			10:20	20	7 11/16"	
			10:35	15	7 8/16"	
			10:50	15	7 5/16"	
			11:05	15	7 2/16"	

TEST DATA

NAME <u>Curtis Property</u>	FILE NO _____
LOCATION <u>Ridge Road</u>	COUNTY _____
_____	DATE <u>4/6/01</u>
RECORDED BY <u>Brian Baker</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
3	Lot 76	18"	10:02	Start	8"	
			10:22	20	7 9/16"	
			10:37	15	7 6/16"	
			10:52	15	7 2/16"	
			11:07	15	6 14/16"	
			11:22	15	6 11/16"	
			11:37	15	6 7/16"	
			11:52	15	6 3/16"	0.25" x 4 = 1.00 in/hour
			12:07	15	6"	0.188" x 4 = 0.75 in/hour
			12:22	15	5 11/16"	0.313" x 4 = 1.25 in/hour
			12:37	15	5 8/16"	0.188" x 4 = 0.75 in/hour

TEST DATA

NAME <u>Curtis Property</u>	FILE NO _____
LOCATION <u>Ridge Road</u>	COUNTY _____
	DATE <u>4/6/01</u>
RECORDED BY <u>Brian Baker</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
4	Lot 76	18"	10:18	Start	8"	
			10:33	15	7 6/16"	
			10:48	15	7"	
			11:03	15	6 11/16"	
			11:18	15	6 6/16"	
			11:33	15	6 1/16"	
			11:48	15	5 13/16"	0.25" x 4 = 1.00 in/hour
			12:03	15	5 8/16"	0.313" x 4 = 1.25 in/hour
			12:18	15	5 4/16"	0.25" x 4 = 1.00 in/hour
			12:33	15	5"	0.25" x 4 = 1.00 in/hour
					4.25	
					4.25 ÷ 4 = 1.06 in/hour	

TEST DATA

NAME Curtis Property FILE NO _____
LOCATION Rt 27 COUNTY _____
DATE 4/6/01
GRID _____ E
RECORDED BY Brian Baker N

[illegible]

TEST DATA

NAME Curtis Property - Lot 75

FILE NO

LOCATION

COUNTY

Ridge Road

DATE _____

4/6/01

GRID

RECORDED BY

Bonar Baker

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
7	Lot 75	18"	1:30	Start	8"	
			1:45	15	7 2/16"	
			2:00	15	6 15/16"	
			2:15	15	6 "/16"	
Test not complete - Rain						

TEST DATA

NAME Curtis Property - Lot 75

FILE NO

LOCATION Ridge Road

COUNTY

DATE _____

GRID

RECORDED BY Brian Baker

N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
8	Lot 75	18"	2:02	start	8"	
Test not complete-rain						

TEST DATA

NAME

Curtis Property

FILE NO

LOCATION

Ridge Road

COUNTY

DATE

4/6/01

GRID

RECORDED BY

Brian Baker

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
9	Lot 75	18"	11:27	start	8"	
			11:42	15	7 8/16"	
			11:57	15	7 3/16"	
			12:12	15	6 15/16"	
			12:27	15	6 10/16"	
			12:42	15	6 4/16"	
			12:01	19	6 2/16"	
			12:16	15	5 14/16"	
						Pest not complete - rain

TEST DATA

NAME <u>Curtis Prop</u>	FILE NO _____
LOCATION <u>Ridge Road</u>	COUNTY _____
_____	DATE <u>4/6/01</u>
_____	GRID _____ E
RECORDED BY <u>Brian Baker</u>	_____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
10	Lot 75	18"	11:56	Start	8"	Pulled
			12:11	15	7 5/16"	
			12:26	15	7 10/16"	
			12:41	15	7 9/16"	
			12:56	15	7 8/16"	
			1:11	15	Moved 1/32"	

TEST DATA

NAME Curtis Property

FILE NO

LOCATION Rt. 26

COUNTY Howard

DATE 4/27/01

GRID

RECORDED BY Amy McMiller

E

R

[illegible]

TEST DATA

NAME Curtis Property FILE NO _____
LOCATION Ridge Road COUNTY _____
DATE 4/27/01
GRID _____
RECORDED BY Amy McMillen

[illegible]

TEST DATA

NAME _____

FILE NO

LOCATION _____

COUNTY _____

DATE _____

GRID

RECORDED BY _____

N

[illegible]

TEST DATA

FILE NO

COUNTY Howard

DATE 4/27/01

GRID E

N

[illegible]

COUNTY #

SOIL PROFILE

0' A B
dark brown
cilm

3.0 red
brn
sacilm
20-30%
shale

8.5 red brown
sacilm
30-40%
shale

13.5

C

red
brown
cilm

5.0 orange
brown
silm
60-70%
Rx

7.0 refusal

orange
brn
cilm

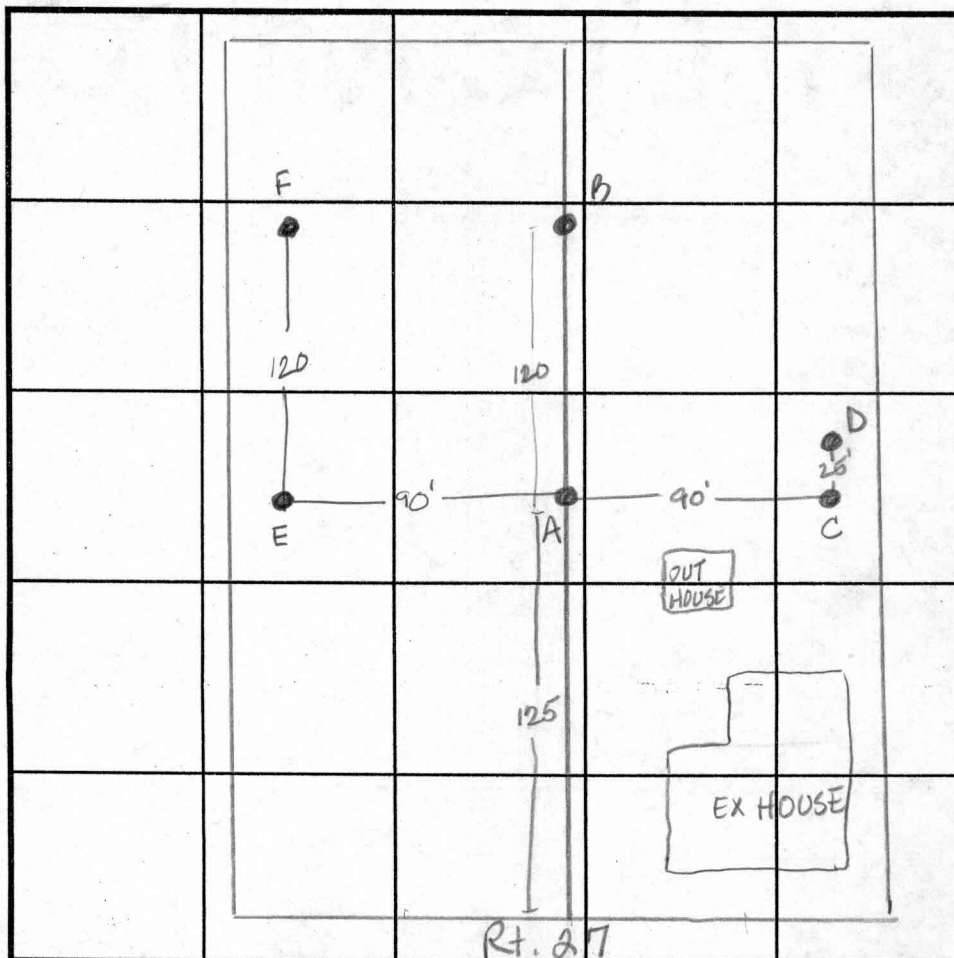
3.0 orange
red
sacilm

9.0 60% Rx

11.0 refusal

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-29-01	A	4.0 / 113.5	8:33	8:35	8:35	8:38	3 min
	B	4.0 / 113.0	8:48	8:50	8:50	8:56	6 min
	C	Insufficient depth to bedrock				see profile	F
	D	Refusal @ 6.0 - Insufficient depth to bedrock					F
	E	4.0 / 111.0	9:38	> 30 min			slow
	F	70-80% Rx beginning @ 2.0'					
		Insufficient depth to bedrock					F

REMARKS _____

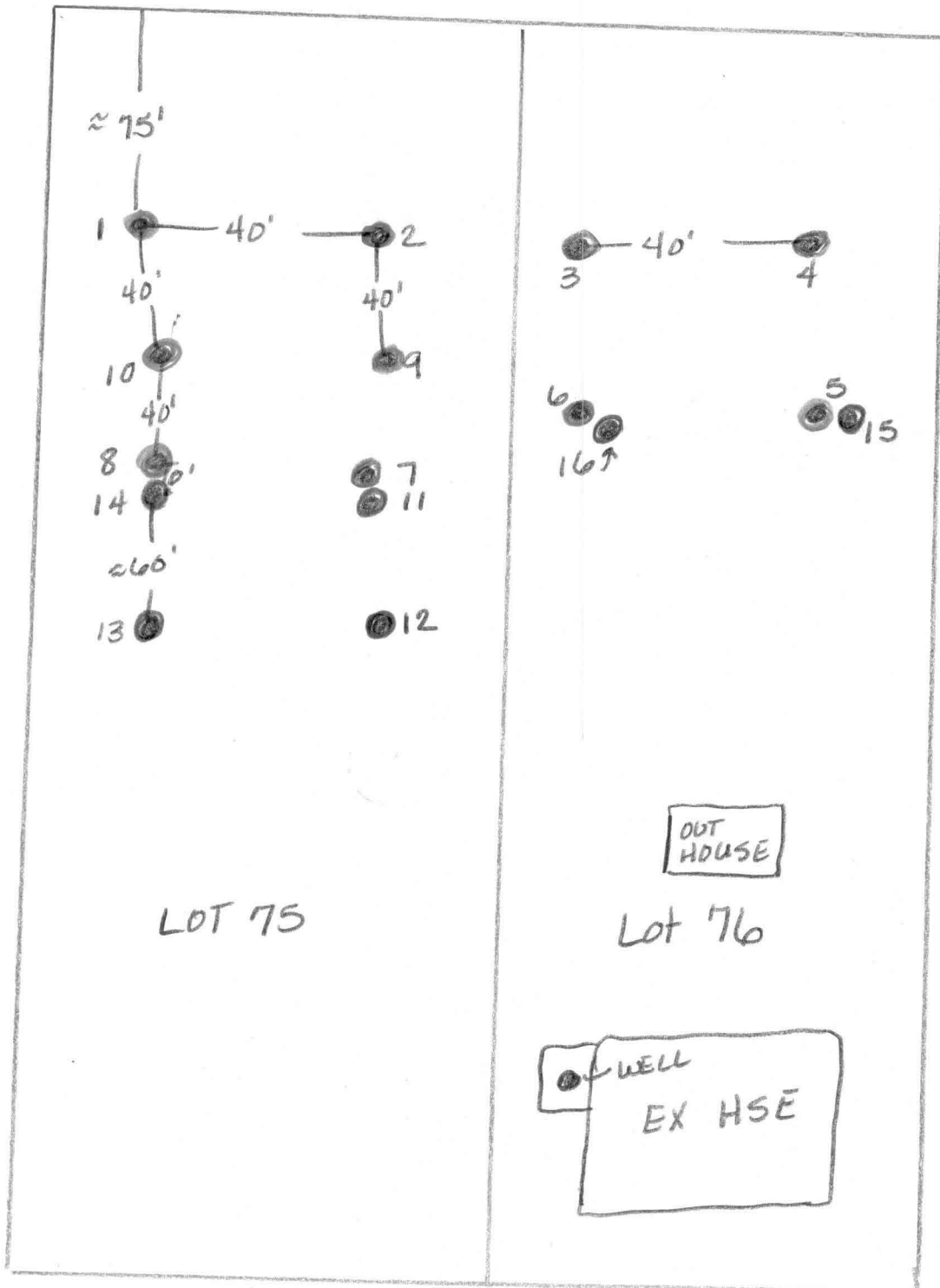
TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

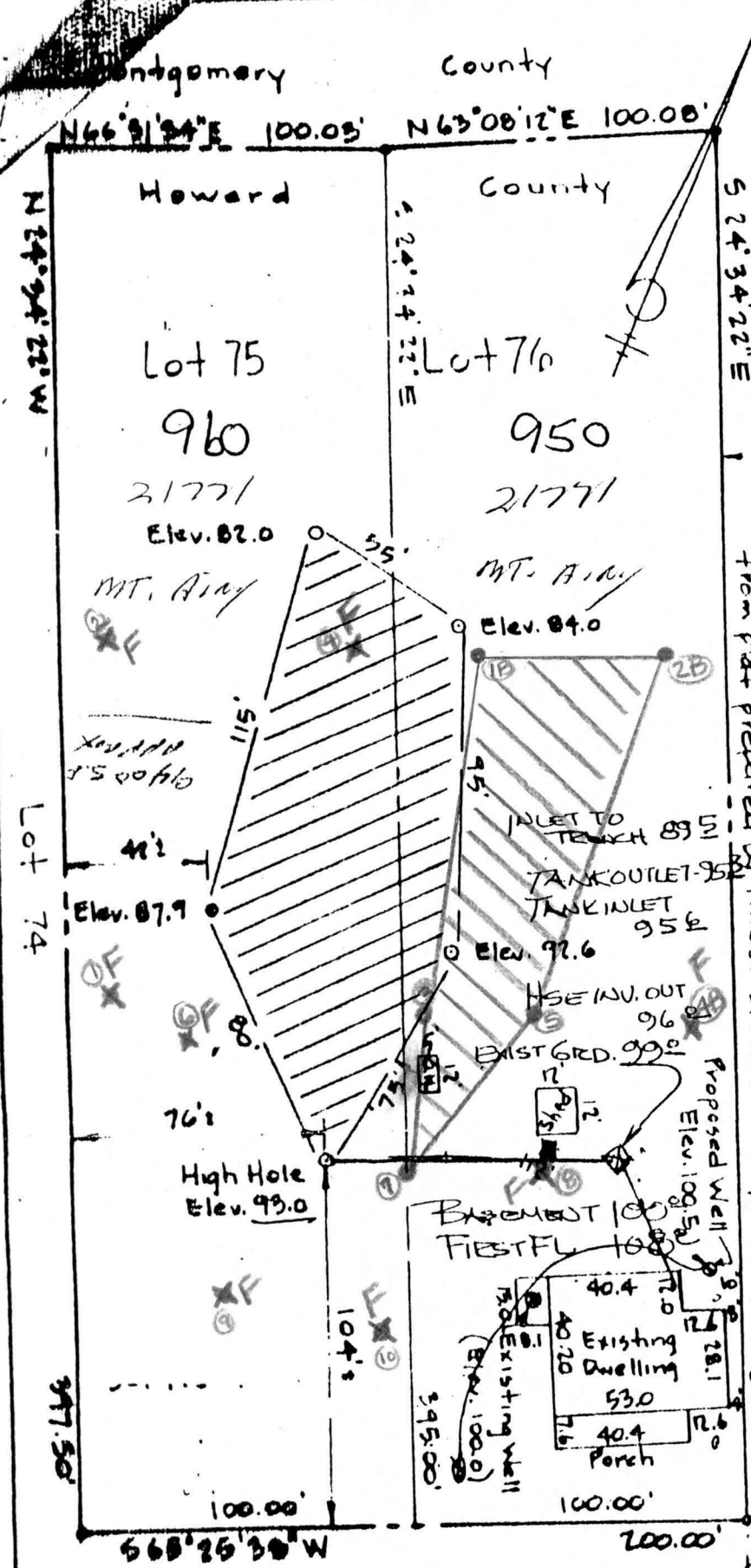
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

Curtis Property - Sandmound Testing



Rt. 27 Ridge Road

- PASS
- TEST NOT COMPLETE
DUE TO RAIN
- FAIL



This area indicates a private easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal systems. Improvements of any kind in this area are restricted until public sewage is available and saving any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system.

The lot shown hereon complies with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Note:
 1. Elevations shown are on assumed datum to indicate relativity only.
 2. Property description and in improvement locations taken from plat prepared by Wilbur L. Ford & Sons, Inc. 2/24/84. 399.00'

OWNER
 Bill W. Curtis
 24620 Ridge Rd.
 P.O. Box 244
 Damascus, Md. 20872
 Phone 253-4226

ENGINEER
 John L. Schneider P.E.
 6825 Windsor Mill Rd.
 Baltimore, Md. 21207
 Phone 944-5357

RIDGE ROAD (Md. Rt. 27)

Percolation Test Holes shown hereon have been field located and shown as "O".
 Percolation areas and water wells for adjoining lots will be shown where pertinent.

Approved: For Private Water and Private Sewage Systems - Howard County Health Depart.

County Health Officer 7/18/84

PERCOLATION CERTIFICATION

BILL W. CURTIS PROPERTY LOTS 75 & 76
 RIDGEVILLE HEIGHTS

4th Election District
 Howard County - Maryland

1"=50' 5-31-84 URN: TGH CKD: JLS



7/24/84

Montgomery

County

N66°51'34"E 100.03' N63°08'12"E 100.08'

Howard

County

Lot 75

Lot 76

S 24°34'22"E

50'

Elev. 82.0

Elev. 84.0

Elev. 87.9

Elev. 92.6

High Hole
Elev. 93.0

Proposed Well
Elev. 100.5

Existing Dwelling
53.0
40.4
Porch

Existing Wall
(Elev. 100.0)

RIDGE ROAD (Md. Rt. 27)

Percolation Test Holes shown hereon have been field located and shown as "O".
Percolation areas and water wells for adjoining lots will be shown where pertinent.

Approved: For Private Water and Private Sewage Systems - Howard County Health Department.
County Health Officer

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The lot shown hereon complies with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

OWNER
Bill W. Curtis
24620 Ridge Rd.
P.O. Box 244
Damascus, Md. 20872
Phone 253-4226

ENGINEER
John L. Schneider P.E.
6823 Windsor Mill Rd.
Baltimore, Md. 21207
Phone 944-5557
Date

PERCOLATION CERTIFICATION

BILL W. CURTIS PROPERTY LOTS 75 & 76
RIDGEVILLE HEIGHTS

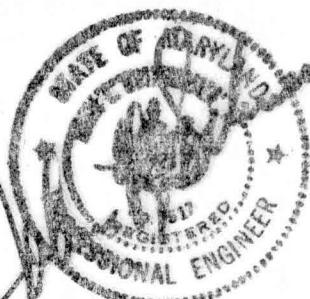
4th Election District
Howard County - Maryland

1"=50'

5-31-84

URN: TSH

CKD: JLS



Montgomery

County

N66°54'34"E 100.03' N63°08'12"E 100.08'

Howard

County

Lot 75

Lot 76

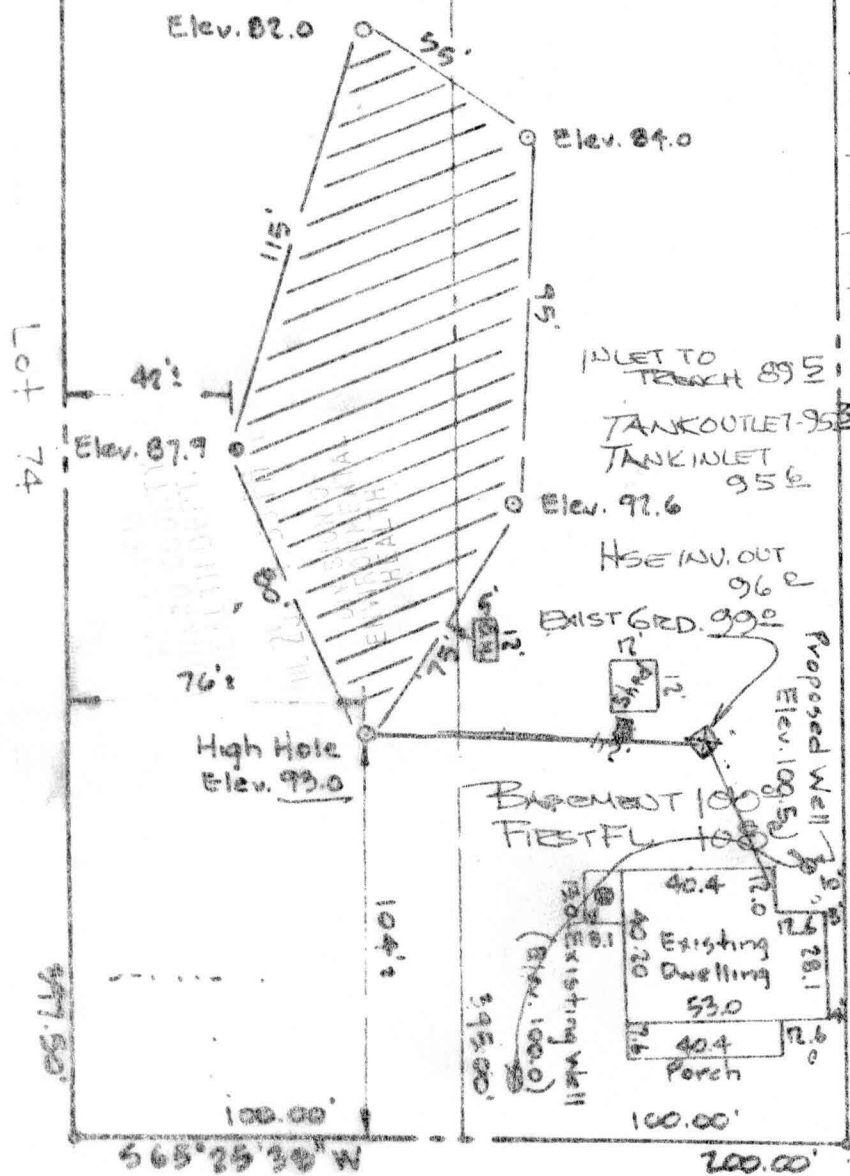
S 24°34'22"E

This area indicates a private easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal systems. Improvements of any kind in this area are restricted until public sewage is available and saving any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system.

The lot shown hereon complies with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Note:

1. Elevations shown are on assumed datum to indicate relativity only.
2. Property description and improvement locations taken from plat prepared by Wilbur L. Ford Surveys 2/24/84. 399.00'

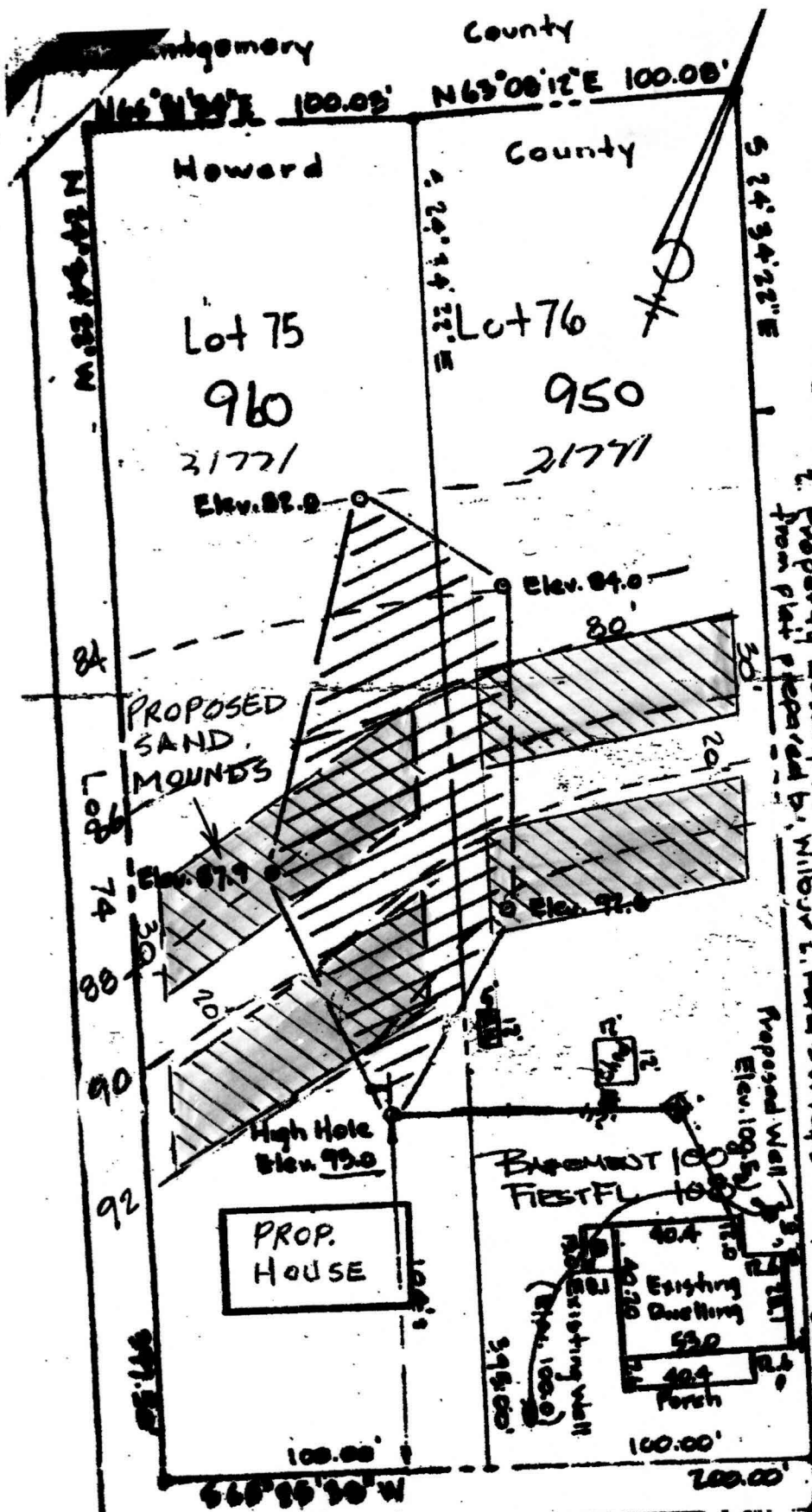


RIDGE ROAD (MD. RT. 27)

Percolation Test Holes shown hereon have been field located and shown as "O".
Percolation areas and water wells for adjoining lots will be shown where pertinent.

Approved: For private water and Private Sewage

OWNERS
Bill W. Curtis
24620 Ridge Rd.
P.O. Box 244
Damascus, Md. 20872
Phone 252-4226
ENGINEER
John L. Schneider P.E.
6825 Windsor Mill Rd.
Baltimore, Md. 21206



This area indicates a private easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal systems. Improvements of any kind in this area are restricted until public sewage is available and saving any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system.

The lot shown herein complies with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Note:

Note: The above are on assumed datum to indicate

2. Property description and inurement location taken from plat prepared by Wilbur L. Ford & Sons 2/24/84. 399.00
Assessed Value \$3,441.75

2. Property description and inurement location taken from plat prepared by Wilbur L. Ford & sons 2/24/84. 399.00
Assessed value \$3,741.75

OWNER
Bill W. Curtis
24620 Ridge Rd.
P.O. Box 244
Damascus, Md. 20872
Phone 254-4726

RIDGE ROAD (Md. Rt. 27)
Percolation Test Holes shown hereon have been
avoid located and shown as "O".

$$l'' = 50$$



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer
August 14, 2001

Billy W. Curtis
24620 Ridge Road
Damascus, MD 20872

RE: Water Well Rehabilitation
950 Ridge Road
Ridgeville Heights, Lot 76

Dear Mr. Curtis,

As an attachment to our previous letter recommending issuance of a demolition permit for the referenced property, this letter will confirm the details of our site meeting of August 9, 2001.

The existing well on-site is located within ten feet of the existing structure, and is believed to be about 70 feet deep with an extremely shallow casing. As a condition of demolition, it was agreed that an artificial cap would be placed over the wellhead, and then the original metal roof would be placed on top of the cap to protect against debris contamination and physical damage during the demolition process. Please be advised that contamination or damage could render the well unapprovable for future use as a potable supply for new construction.

As a condition of future approval for new construction, Easterday Well Drilling has agreed to deepen the well, install casing and grout as appropriate and perform a well yield test. Completion of each of these measures to meet minimum state standards is required to approve the rehabilitated well for new construction.

If you have any questions, please call this office at (410) 313-2640.

Very truly yours,

Mark E. Rifkin

Water and Sewerage Program

cc: George Easterday
File



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

March 1, 2001

Mr. Billy W. Curtis
24620 Ridge Road
Damascus, MD 20872

RE: Percolation Test Date
Application: 514947
Proposal: Establish septic area to serve two existing lots of record
Property ID: Curtis Property
950 & 960 Ridge Road
Tax Map: 6 Parcel: 8

Percolation testing has been tentatively scheduled for the above referenced property for 3/29/01. Please call this office at (410)313-2640 to confirm your acceptance of this percolation test date.

You shall be responsible for having a contractor on site to excavate the percolation test holes.

Please be advised that the following information was discovered after submittal of your percolation test application:

- (1) The tax map shows only one existing parcel, Parcel 8, and the plan you submitted shows 2 existing lots of record. If the tax map is correct, this is to advise you that your proposal would be considered subdivision and need the following: a minimum of 10,000 sq. ft. of septic area for conventional trench septic systems and/or an initial septic system and 2 repair areas for a sandmound septic system.
- (2) The existing sewage disposal easement shown on the submitted plan is incorrectly located. See the attached plan, which shows the correctly located passed/failed percolation test holes.

It would be my suggestion that you proceed with your current application plan if the tax map is incorrect. If the tax map is correct, the plan should be revised to show 10,000 square feet for conventional trench septic systems or an initial sandmound septic system and two repairs for each lot.

In regards to the incorrectly located septic easement and percolation test holes, re-evaluation can be performed if percolation testing per the current plan is unsuccessful. If percolation testing per the current plan is successful, then this point has no significance.

In the event of uncertain weather (i.e., precipitation or extremes of temperature), please contact this office prior to 9:00 a.m. on the test date to determine whether or not percolation testing can be performed on that date. If it is not feasible to perform the test, a new test date shall be assigned.

Percolation test results may be expected by mail two to three weeks after the completion of the percolation testing.

If there are any questions regarding this matter, I may be contacted at the address below or by calling 410-313-2640.

Respectfully,

Amy McMillen
Amy McMillen, R.S.
Water & Sewerage Program

3/19/01
Per Mr. Curtis - he went to the
county - got copies of deeds -
There are 2 existing parcels.

AM

Billy W. Curtis
24620 Ridge Road
Damascus, Md. 20872

Phone (301) 253-4226

Feb. 14, 2001

Amy L. McMillen
Howard County Health Dept.
Burau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, Md. 21043

Phone (410) 313-2640
Fax (410) 313-2648

Re: Curtis Property - Lot 75&76
950/960 Ridge Road
Damascus, Md. 20872

Dear Ms McMillen:

Please find attached a copy of revised plan supplied to me by John Schneider about 30 days ago. This plan was drawn after John or Tom Hill had visited your office and discussed these two properties.

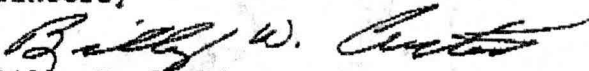
Purpose of this plan was for me to take to your office and make application for Perc test permits for two sand mound systems. One on lot 75 and lot 76.

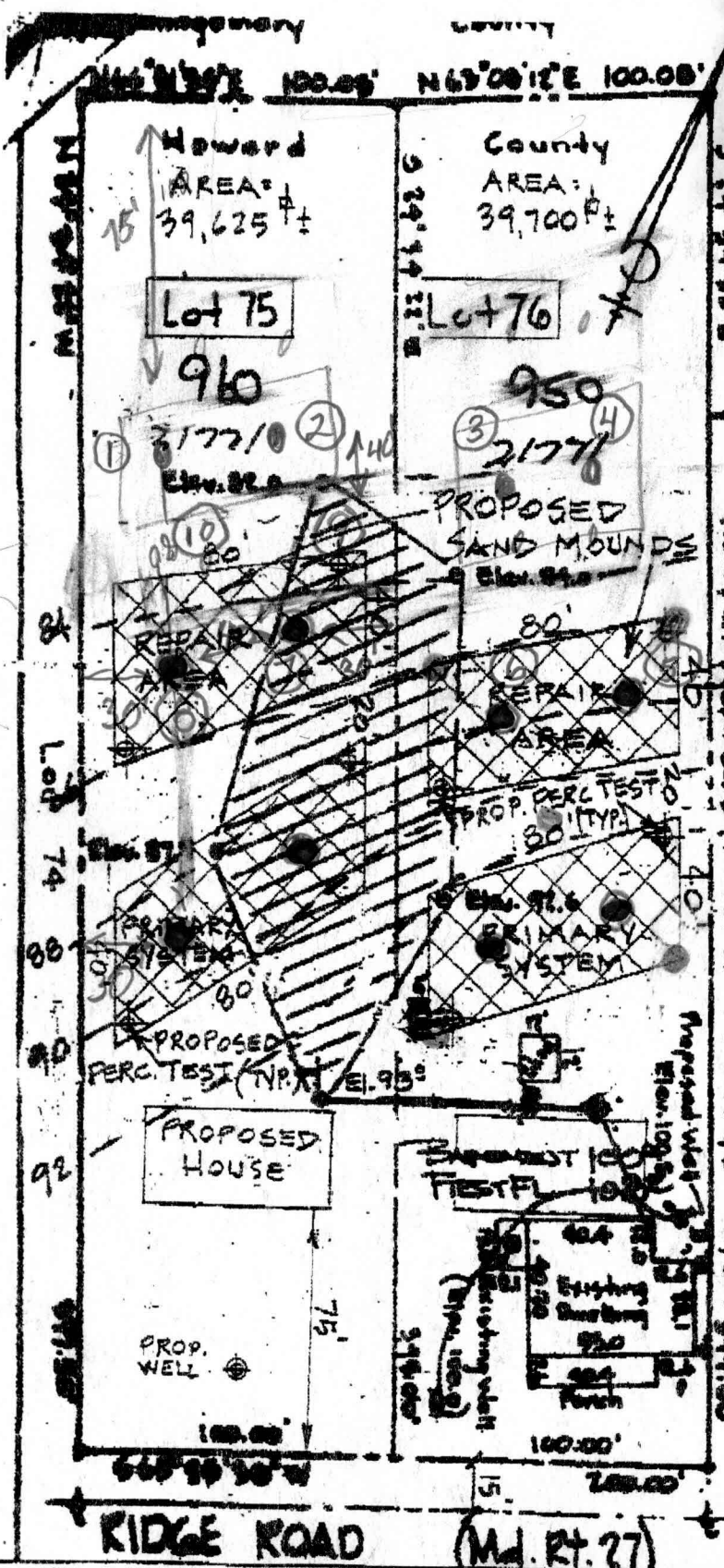
Since receiving this plan I have discussed with John Schneider the possibility of:

- . Lot 75 Perc for conventional septic system.
 - . If this perc fails, go ahead and perc test for sand mound system while we are there.
 - So on lot 75 we need permission to do both percs if the conventional perc fails.
 - John thinks there is a good chance conventional will work on this lot 75.
- . Lot 76
 - . John don't give this lot much hope to go conventional.
 - So we are requesting permit to perc test for sand mound system on this lot.

Thank you for your attention to this matter. I look forward to hearing from you.

Sincerely


Billy W. Curtis



*copy of this & applications sent to MR. CURTIS

* Submit application and test fee
\$285 per lot to schedule a test date

A. McMillen

MR. CURTIS - In order to test for sand mounds on Lot 960 - have the engineer stake the shown test holes
- For Lot 950 - Stake corners of septic areas as shown for conventional and test holes shown for sand mound tests. A determination can be made in the field on which tests to run.

Blue
CONVENTIONAL
SEPTIC TESTS

Blue
CONVENTIONAL
SEPTIC TESTS

primarily 10,000 sq. ft. as health and mental hygiene elements of any kind in this life and saving any resident-tenant shall become null and void.

OWNER

BILL CURTIS
24620 RIDGE ROAD
DAMASCUS, MD. 20872
PHONE: 301-253-4126
ENGINEER
JOHN L. SCHNEIDER
PHONE: 410-744-1945

SCALE:
1"=50'
DATE:
1-15-01

PLAN TO ACCOMPANY PERC TEST APPLICATION
BILL W. CURTIS PROPERTY - PARCEL B - TAX MAP 6
LOTS 75 & 76 "RIDGEVILLE HEIGHTS" (NEAR MT. AIRY)
4th ELECTION DISTRICT - HC. CO. MD.



701

1. Elevations shown are on assumed datum to indicate relativity only.

Property description and measurement locations taken from plat prepared by Wilbur L. Ford Surveys 2/24/84. 399.6

Proposed Well
Elev. 100.5
28.1
9.2

200.00

County

HOLD-
PLAT 2412 CORRECT.

STARTING POINT FOR
SCARTLE SHOULD BE
TEST HOLE #5 (

APPLICANT TO LOCATE

55' PRIOR TO RE-ISSUANCE
OF SEPTIC PERMIT

BUILDING PLAN
1st 840

10/11/90
CWA

5. INLET TO TRENCH
89.5

EXISTING GRADE
AT HIGH MILE 93
EX. GRADE AT TANK 77
TANK OUTLET 95.3
Elev 92.6 
TANK INLET 95.6

HOUSE! NERT 960

BASEMENT 107
FIRST FLOOR 108

Existing value
(E|v. 100.0)

Floor plan of the existing dwelling. The plan shows a rectangular structure with a porch. The dimensions are as follows:

- Top horizontal boundary: 40.4
- Left vertical boundary: 40.20
- Right vertical boundary: 28.1
- Bottom horizontal boundary: 40.4
- Bottom-left corner: 7.6
- Bottom-right corner: 12.6
- Internal horizontal dimension (top): 12.0
- Internal horizontal dimension (bottom): 53.0
- Internal vertical dimension (right): 26.9

The area is labeled "Existing Dwelling" and the porch area is labeled "Porch".

OWNER

Bill W. Curtis
24620 Ridge Rd.
P.O. Box 244

Damascus, Md. 20872
Phone 253-4226

ENGINEER

John L. Schneider Pres.
4923 Windsor Mills Rd

950 RIDGE ROAD (Md. Rt. 27)

percolation Test Holes shown hereon have been
field located and shown as "O".
percolation areas and water use for adjoining
lots will be shown where appropriate.

Approved: Per Private Water and Power Company