

8/30/99  
10:00

# APPLICATION

PERCOLATION TESTING

FOR PERC  
& REPAIR  
A 512653

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

PREVIOUS OK  
1 ACRE LOT SUB.  
+ REPAIR PERC ON  
1 OF 4 EXISTING HOUSES  
(CW)

DISTRICT \_\_\_\_\_  
DATE 8-6-1999

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 RICHARD N. CONREY

ADDRESS 1575 MARRIOTTSVILLE RD PHONE 410-461-5008

AGENT OR PROSPECTIVE BUYER CARMEN A. CONREY (daughter)

ADDRESS 5362 SMOOTH MEADOW WAY PHONE 410-720-4272  
COLUMBIA, MD 21044

PROPERTY LOCATION:

SUBDIVISION Pondarosa Farm LOT NO. (proposed 1 acre lot)

ROAD AND DESCRIPTION Mariottsville Road

TAX MAP 10 PARCEL # 34

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. SINGLE FAMILY DWELLING  
(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. Richard N. Conrey  
(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 \_\_\_\_\_

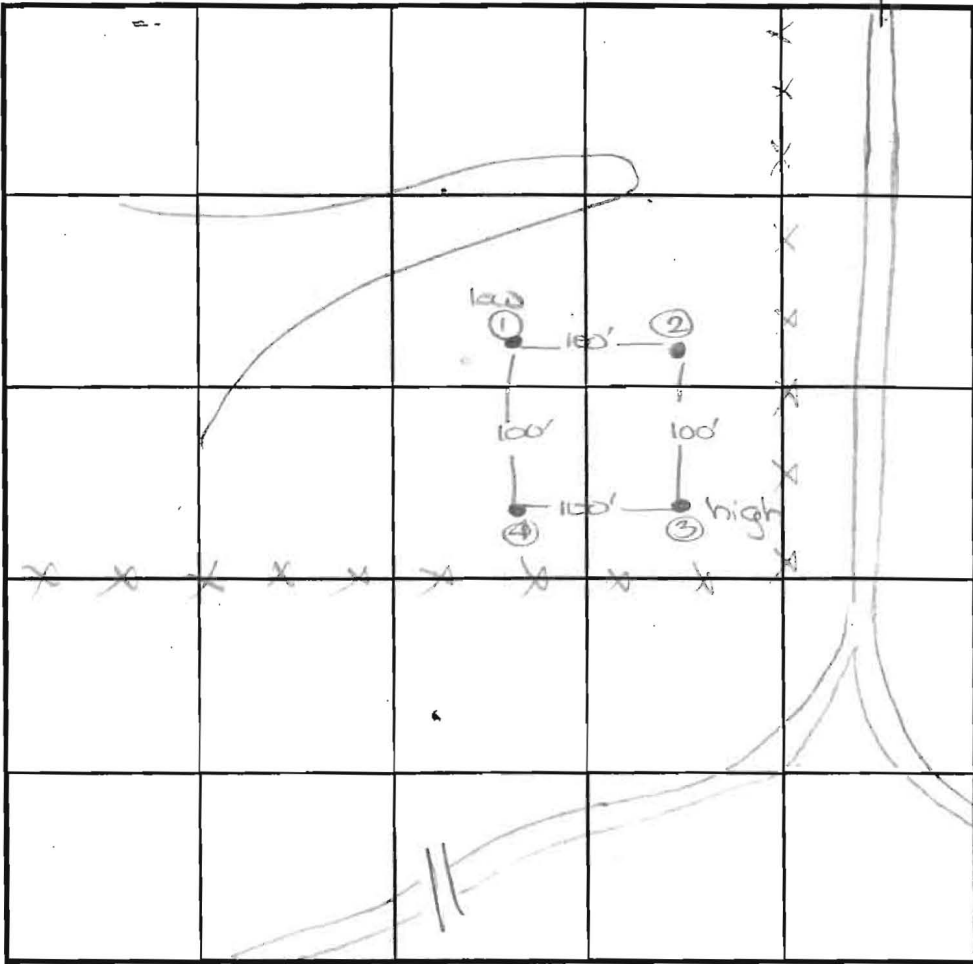
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' ①  
 1' topsoil  
 org brn cl lm  
 2' pale org tan si lm  
 5-10% rock



SOIL PROFILE

0' ④  
 1' topsoil  
 org brn cl lm w/ few blades  
 4.5' pale org beige si lm  
 14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

marnottsville road

| DATE    | TEST NO. | DEPTH  | PRE-WET |       | TEST - 1" DROP |       | TIME |
|---------|----------|--------|---------|-------|----------------|-------|------|
|         |          |        | START   | STOP  | START          | STOP  |      |
| 8-30-99 | 1        | 3.0'S  | 10:27   | 10:29 | 10:29          | 10:33 | 4    |
|         |          | 13.0'D | Visual  | - See | profile        |       | OK   |
|         | 3        | 5.5'S  | 10:41   | 10:42 | 10:42          | 10:45 | 3    |
|         |          | 15.5'D | Visual  | - See | profile        |       | OK   |
|         | 2        | 13.0'D | Visual  | - See | profile        |       | OK   |
|         | 4        | 5.5'S  | 11:03   | 11:04 | 11:04          | 11:06 | 2    |
|         |          | 14.0'D | Visual  | - See | profile        |       | OK   |
|         |          |        |         |       |                |       |      |
|         |          |        |         |       |                |       |      |

REMARKS test holes located in open field - started by owner

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

TESTED BY D. See ALSO PRESENT owner, Mr. Covey

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 3

INLET DEPTH 3.5 MAXIMUM BOTTOM DEPTH 5.5 SQ. FT/BEDROOM 180

13'  
 0' ③  
 1' topsoil  
 org brn cl lm  
 4' pale org tan to beige si lm  
 15%+ rock

15.5'  
 0' ②  
 1' topsoil  
 red brn cl lm  
 4' tan si lm  
 25%+ hard rock

07.40

MARRIOTTSVILLE ROAD

CONCRETE MONUMENT

SET

Conrey  
#13-03-80-02Ae

Daughters  
Proposed  
Dwelling

Stone House

2 STORY  
BRICK & FRAME  
DWELLING

Log House

2 STORY  
FRAME  
DWELLING

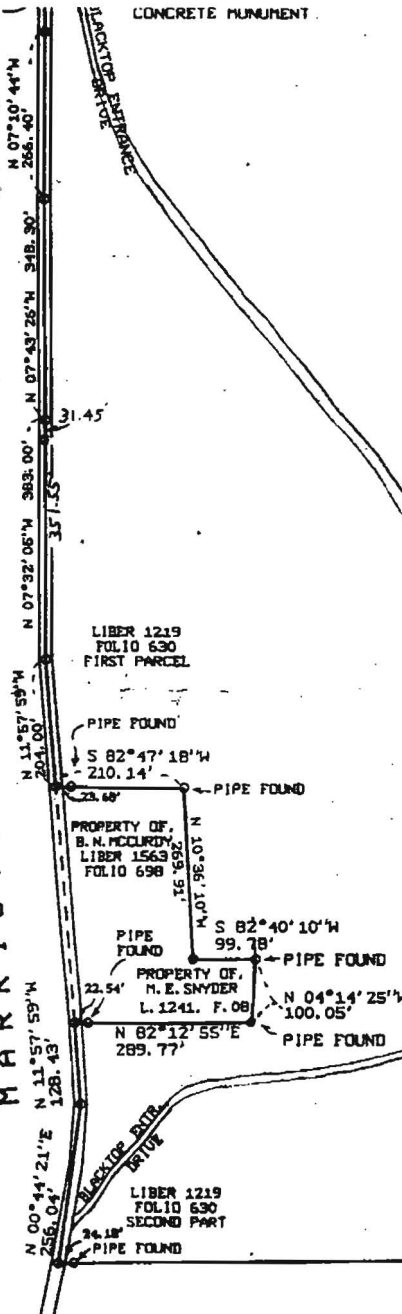
Clark House

Gate House

STONE  
DWELLING

PROPOSED  
TENANT HOUSE  
GROSS AREA  
96.6072 ACRES

PROPERTY OF,  
THE SISTERS OF BON SECOURS  
LIBER 393, FOLIO 29



LIBER 1219  
FOLIO 630  
FIRST PARCEL

PROPERTY OF,  
B. N. McCLURDY  
LIBER 1563  
FOLIO 698

PROPERTY OF,  
H. E. SNYDER  
L. 1241. F. 08

LIBER 1219  
FOLIO 630  
SECOND PART

S 81°35'03"W 2189.71

FRAME BLDG'S

PROPERTY OF,  
BARBARA JEAN GOODMAN

TITLE REFERENCE

STONE  
FOUND

N 10°20'01"E  
2189.65

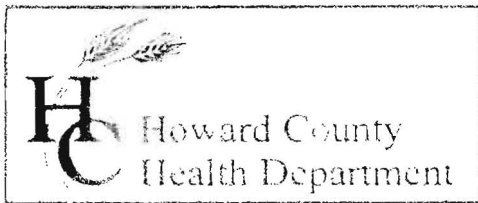
Stream

RIGHT OF WAY  
CAPULET LINE  
RIGHT OF WAY  
RIGHT OF WAY TRANSCONTINENTAL GAS PIPE LINE CORP.  
LIBER 596, FOLIO 598

BOUN  
1575 MAR  
PR  
RICHAR

Not to Scale

CE  
27, 1983  
0 630  
K



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

November 4, 2003

Richard Conrey  
1575 Marriottsville Road  
Marriottsville, MD 21104

RE: Percolation Test Results – A 518598  
Proposed Four-Lot Subdivision Around 4 Ex. Houses  
1575 Marriottsville Road  
Tax Map 10, Parcel 34

Dear Mr. Conrey:

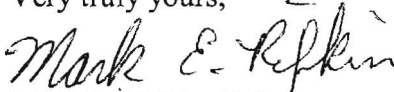
Second round percolation testing conducted October 21, 2003 for sand mounds on proposed Lot 3 of the referenced property indicated limited satisfactory soil conditions. The primary limiting factor is slow test times; however, soil conditions satisfactory for conventional trench designs were found elsewhere on the property. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations of all excavated test holes with field-verified topography; one-foot contours should be shown in the vicinity of proposed sand mounds
- 2) the existing houses, wells and septic systems
- 3) proposed sewage reserve areas, with designation for sand mounds as appropriate
- 4) proposed well "boxes" of 1500 ft<sup>2</sup> of approvable well area per lot
- 5) certification that no wells or septic systems exist within 100 feet of proposed lot lines
- 6) a note indicating that depicted topography reflects field-verified information
- 7) the plan identification number (PC 518598) in the title block
- 8) statement that the existing septic systems on Lots 3 and 4 will be abandoned, and new systems installed, inspected and approved prior to submission of record plat for signature
- 9) statement that wells will be drilled on Lots 3 and 4 and documentation submitted to the Health Department prior to submission of record plat for signature

The percolation certification plan should be submitted within 60 days to allow field verification if necessary. If you have any questions, please contact me as above.

Very truly yours,

  
Mark E. Rifkin, R.S.  
Water and Sewerage Program

MR  
Enclosures  
cc: CLSI  
File



Carroll Land Services  
I n c o r p o r a t e d

March 1, 2004

Howard County Health Department  
3525 H Ellicott Mills Drive  
Ellicott City, MD 21043

Attn: Mark Rifkin

Re: Conrey Farm  
CLSI Job No. 99147

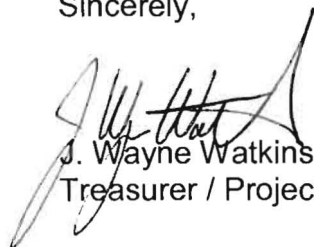
Dear Mark,

Thank you for your cooperation in completing the percolation certification for the four (4) existing structures on this property. As you know, these lots that we are creating are required to be a minimum of 1 acre. In order to meet all of your requirements, it was necessary to configure the lots differently than outlined in the zoning ordinance for Howard County.

I would appreciate a letter from you outlining why these lots are configured in this manner so that I can submit it, along with the perc certification plat, at my pre-submittal conference.

Thank you in advance.

Sincerely,

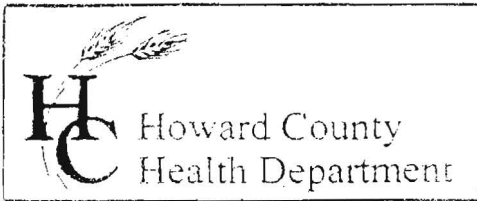


J. Wayne Watkins  
Treasurer / Project Manager

CC: Richard Conrey

JWW/kek

I:\files\JOB\99\99147\doc\Rifkin~lot configuration.doc



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

March 3, 2004

MEMORANDUM

TO: Wayne Watkins  
CLSI  
439 E. Main Street  
Westminster, MD 21157-5539

FROM: Mark Rifkin *MR*  
Well and Septic Program

RE: Lot Configuration Issues  
Conrey Farm

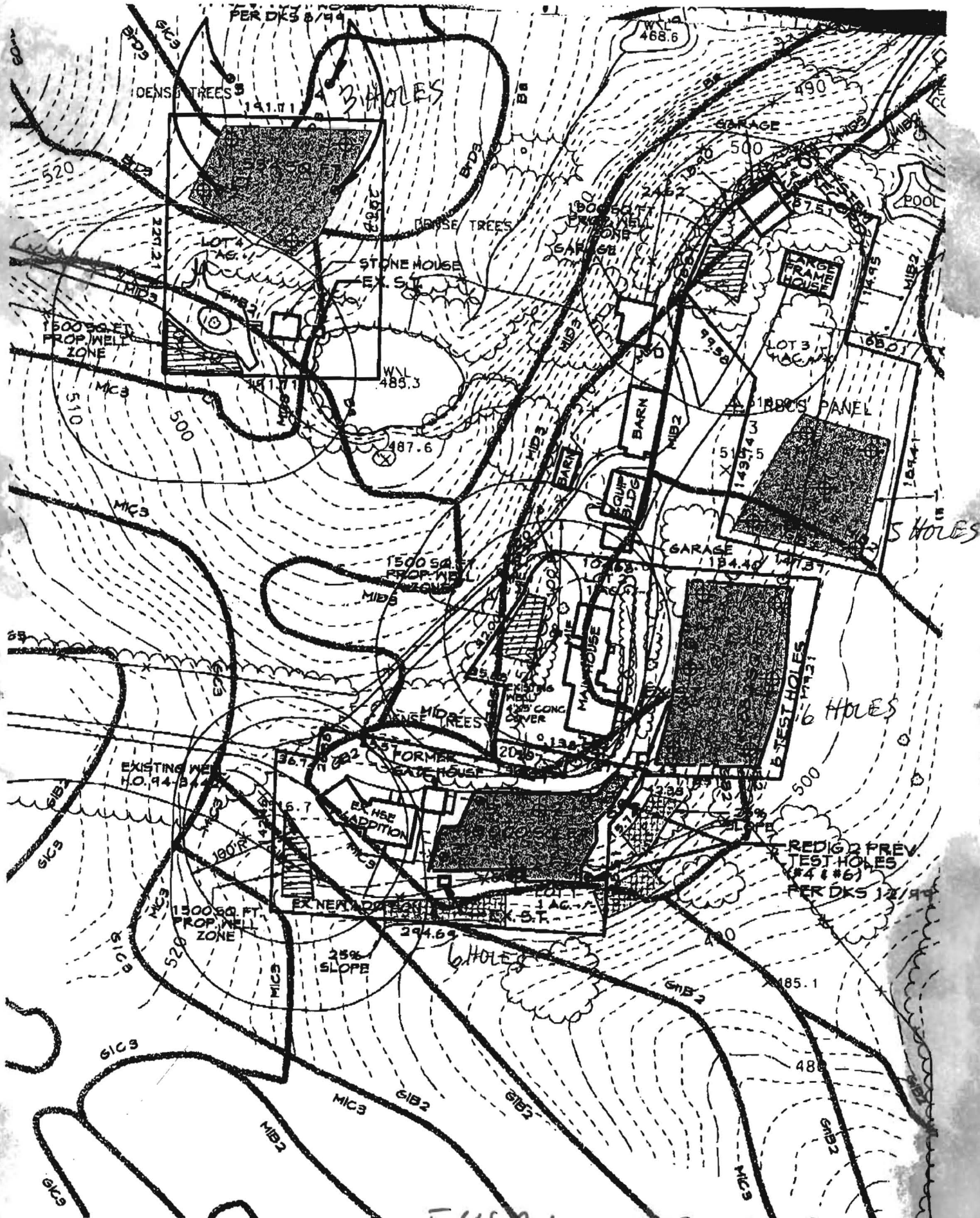
*New engl  
Jim Mathias  
410-840-4499*

In response to your letter regarding lot configurations at the referenced property, this office offers the following response:

Percolation testing conducted June 3, 2003 indicated limited satisfactory soil conditions at most test locations; the primary limiting factor is shallow bedrock or excessive fractured rock. Subsequent testing for sand mounds on October 21, 2003 indicated limited satisfactory soil conditions; the primary limiting factor is slow test times. The difficult soil conditions are consistent with the existence of substandard septic systems on Lots 3 and 4. Another issue which likely influenced lot configurations is provision for the required three potential well sites (or 1500 square feet of suitable well area) per proposed lot.

Even with review of each lot proposal as a "repair" situation (subject to some additional consideration) due to the presence of existing occupied structures, each lot presented challenges in establishing compliance with COMAR regulations, particularly Lots 1, 3 and 4. Based on the observed soil and topographic conditions, no other potential lot configurations are believed to be available for proposed one acre lots at the referenced property.

MR  
cc: File



FINAL TEST PLAN  
 OK MR 6/2/03

0 SQ. FT. OF WELL ZONE

ID:CLSI

FAX: 41001

10.753 10/07 '03 14:28

SYSTEM RECORD

TO JEFF

LARGE FRAME HOUSE

MOVE BOX

LOT 3 1 AC. +/-

13

13A

13B

13C

13D

13E

13F

13G

13H

GARAGE

MID3

MID3

BARN

BARN

EQUIP. BLDG

MIB2

STORAGE

MAIN HOUSE

6 TEST HOLES

EXIST

EXISTING WELL 4' X 5' CONG.

68.0

100  
50

SCALE: 1" = 50'

TC to CLS PLAN OK

COMMENT

① TWEAK MOUND 1 AS SHOWN

② MOUNDS NOT ON VIBRA SLOPE BUT ARE ADJAC PROBLEM?

③ MOVE WELL B

179.21

233.15

133.15

18

147.72

12

12A

12B

12C

12D

12E

12F

12G

12H

12I

12J

12K

12L

52.65

75.58

39.46

87.41

25000

100' R

MIE

100' R

MIE

MIE

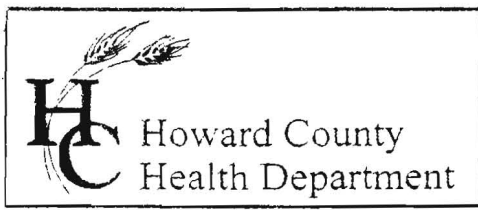
MIE

MIE

MIE

1575 Mamiottville Road





3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer  
June 16, 2003

Richard Conrey  
1575 Marriottsville Road  
Marriottsville, MD 21104

RE: Percolation Test Results – A518598  
Proposed Four-Lot Subdivision (Four Existing Houses)  
1575 Marriottsville Road  
Tax Map 10, Parcel 34

Dear Mr. Conrey:

Percolation testing conducted June 3, 2003 on the referenced property indicated limited satisfactory soil conditions. The primary limiting factor was shallow fractured rock/bedrock. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations of all excavated test holes with field-verified two-foot topography
- 2) the existing houses, wells, septic systems and proposed sewage easements
- 3) a note that the existing septic systems at the "Stone House" and the "Gate House" are to be replaced in the new septic areas prior to submittal of the record plat for signature; the same applies to the "Frame House" unless the soils at the existing system are verified by testing
- 4) a note that wells will be drilled at the "Stone House" and the "Frame House" prior to submittal of the record plat for signature
- 5) any new proposed test holes (with suitable symbol); if a sand mound is proposed, submit a separate sand mound plan with three proposed mounds drawn at a 30 or 50 scale
- 6) three well sites (or 1500 ft<sup>2</sup> of suitable well area) for each lot; for those lots with existing wells, the existing well can be part of the 1500 ft<sup>2</sup> box if all other standards are met
- 7) a note certifying that all existing wells and septic systems on the property have been shown
- 8) a note indicating that depicted topography reflects field-verified information
- 9) the plan identification number (PC 518598)

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

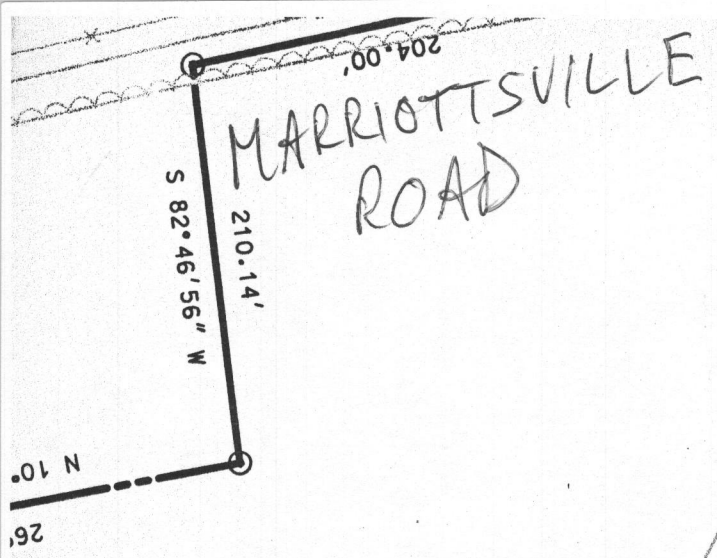
Very truly yours,

Mark E. Rifkin, R.S.

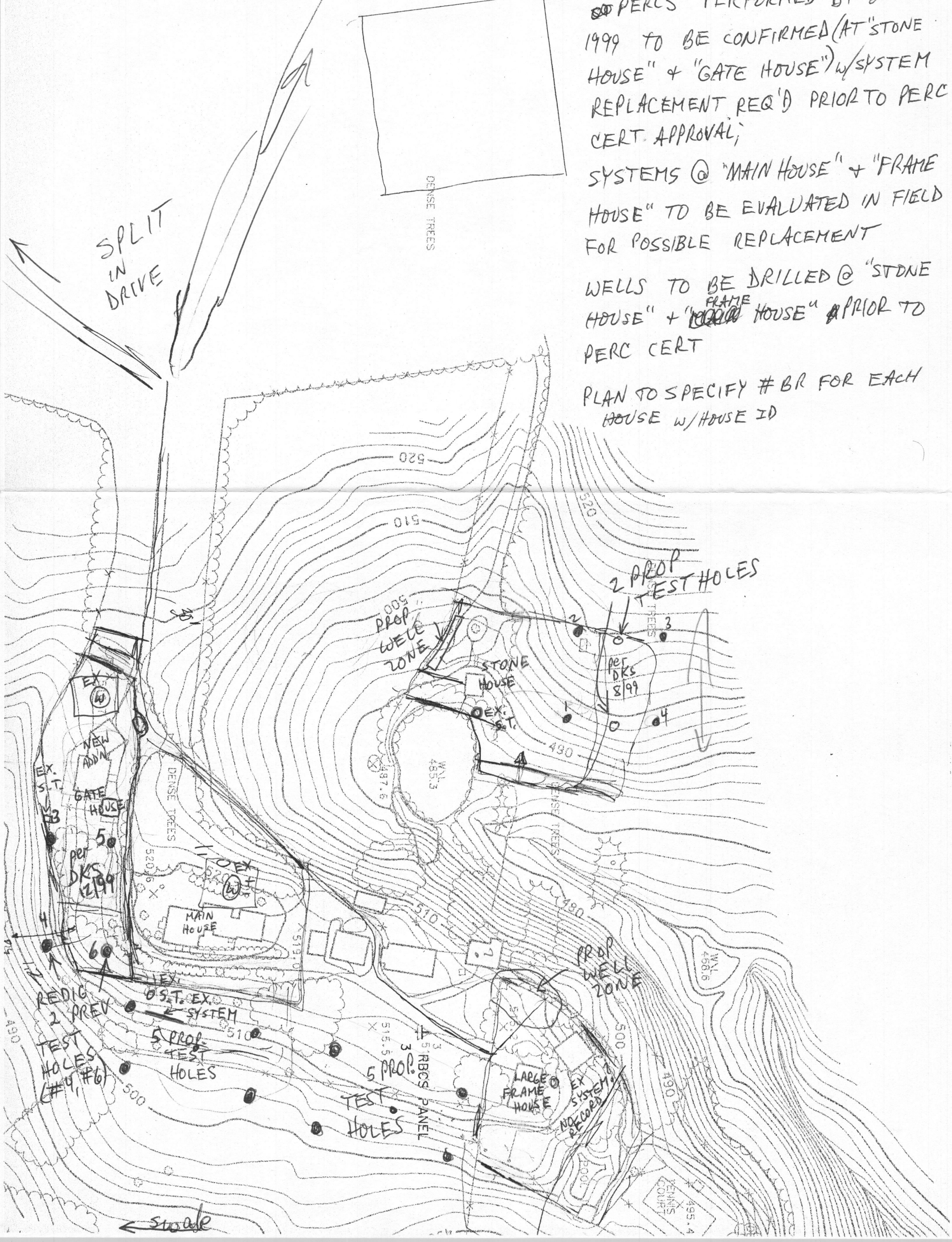
Water and Sewerage Program

MR  
Enclosures  
cc: CLSI  
File





MR  
 12/27/02 w/Wayne Watkins CLSI  
 PROP. LOT CREATION AROUND  
 EACH OF 4 EX. HOUSES;  
 PERCS PERFORMED BY DKS IN  
 1999 TO BE CONFIRMED (AT "STONE  
 HOUSE" + "GATE HOUSE") w/SYSTEM  
 REPLACEMENT REQ'D PRIOR TO PERC  
 CERT. APPROVAL;  
 SYSTEMS @ "MAIN HOUSE" + "FRAME  
 HOUSE" TO BE EVALUATED IN FIELD  
 FOR POSSIBLE REPLACEMENT  
 WELLS TO BE DRILLED @ "STONE  
 HOUSE" + "~~STONE~~ <sup>FRAME</sup> HOUSE" PRIOR TO  
 PERC CERT  
 PLAN TO SPECIFY # BR FOR EACH  
 HOUSE w/HOUSE ID



# APPLICATION

PERCOLATION TESTING

A 518598B

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

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 Richard H Conrey

ADDRESS 1575 Marriottsville Rd, Marriottsville PHONE 410-781-7270 w-410-461-5008

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Conrey Farm LOT NO. The Main House

ROAD AND DESCRIPTION Eastside of Marriottsville Rd 2000' North of RT 99

TAX MAP 10 PARCEL # 34

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. existing 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.  Richard H. Conrey  
(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 \_\_\_\_\_

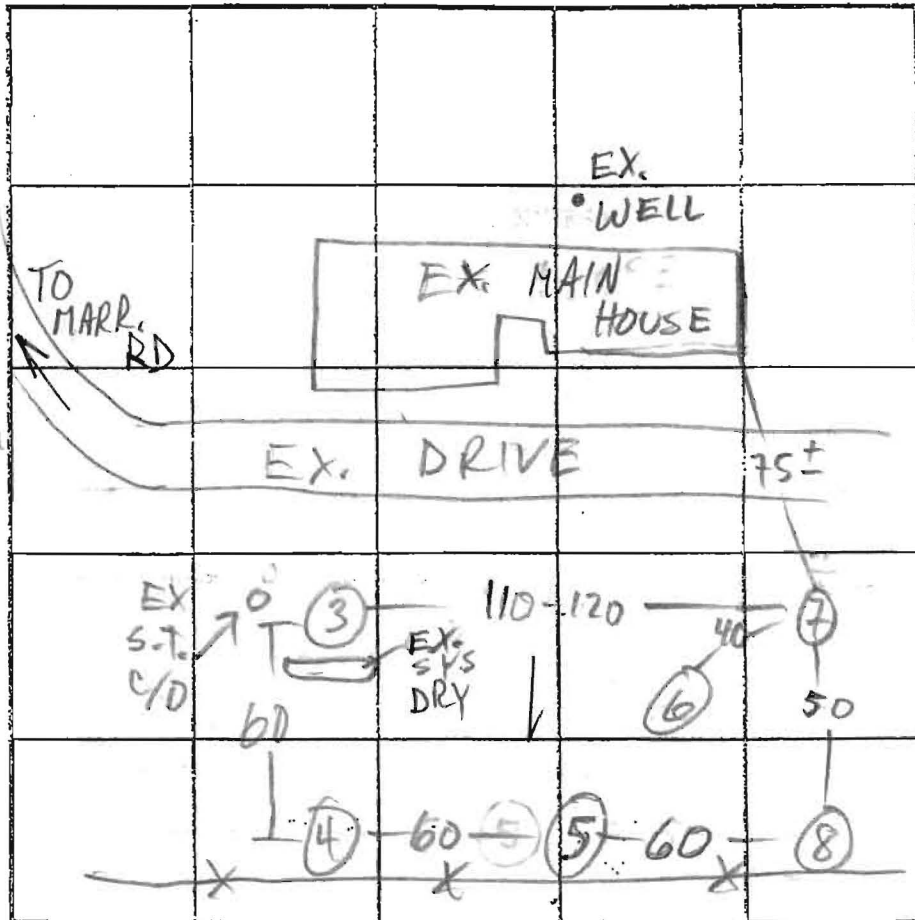
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

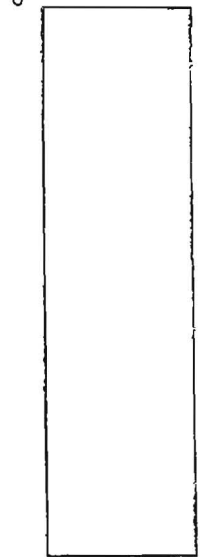
COUNTY #

SOIL PROFILE

0' 4/3  
brn orge  
cl lm  
whvylm  
3  
brn yel  
sa lm  
5-10% frags  
7-7 1/2 orge brn tan  
tan sa lm  
5-10%  
frags  
11 1/2 same w/  
wh flecks  
12 1/2  
13 DN 6 UP



SOIL PROFILE



3  
orge brn  
hvy lm  
orge tan  
beige sa lm  
10-15% RX  
HARD BOT

2-3 25% RX  
pocket  
4 beige  
sand  
10% RX  
14

7/8  
brn  
cl lm  
hvy lm  
3  
tan  
beige  
gray  
sand  
10-20%  
RX  
12 1/2

| DATE   | TEST NO. | DEPTH      | PRE-WET  |              | TEST - 1" DROP |       | TIME |
|--------|----------|------------|----------|--------------|----------------|-------|------|
|        |          |            | START    | STOP         | START          | STOP  |      |
| 6/3/03 | 4        | M 7'3"     | 10:13    | 10:15        | 10:15          | 10:18 | 3    |
|        | 6        | V 14       | OK       |              |                |       |      |
|        | 7        | M 7 12 1/2 | 10:24:45 | 10:27        | 10:27          | 10:30 | 3    |
|        | 3        | V 13       | OK       |              |                |       |      |
|        | 5        | M 6 1/2 8  | 11:44    | 11:52        | 11:52          | 11:57 | 5    |
|        | 8        | V 12 1/2   | OK       | SHALLOW ONLY |                |       |      |
|        |          |            |          |              |                |       |      |
|        |          |            |          |              |                |       |      |
|        |          |            |          |              |                |       |      |
|        |          |            |          |              |                |       |      |

REMARKS \_\_\_\_\_

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

TESTED BY M. Ripkin - ALSO PRESENT Covey, owner

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

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