

APPLICATION

PERCOLATION TESTING

A 515042

P _____

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

DISTRICT _____

DATE 4-13-01

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 Natalie Ziegler

ADDRESS 11352 Homewood Rd. PHONE 410 740-6880

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. _____

ROAD AND DESCRIPTION Rt 108 + Homewood Rd.

TAX MAP 29 PARCEL # 93/229

SIZE OF LOT 310 acres +/- TYPE BLDG. _____
(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. Natalie Ziegler
(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 _____

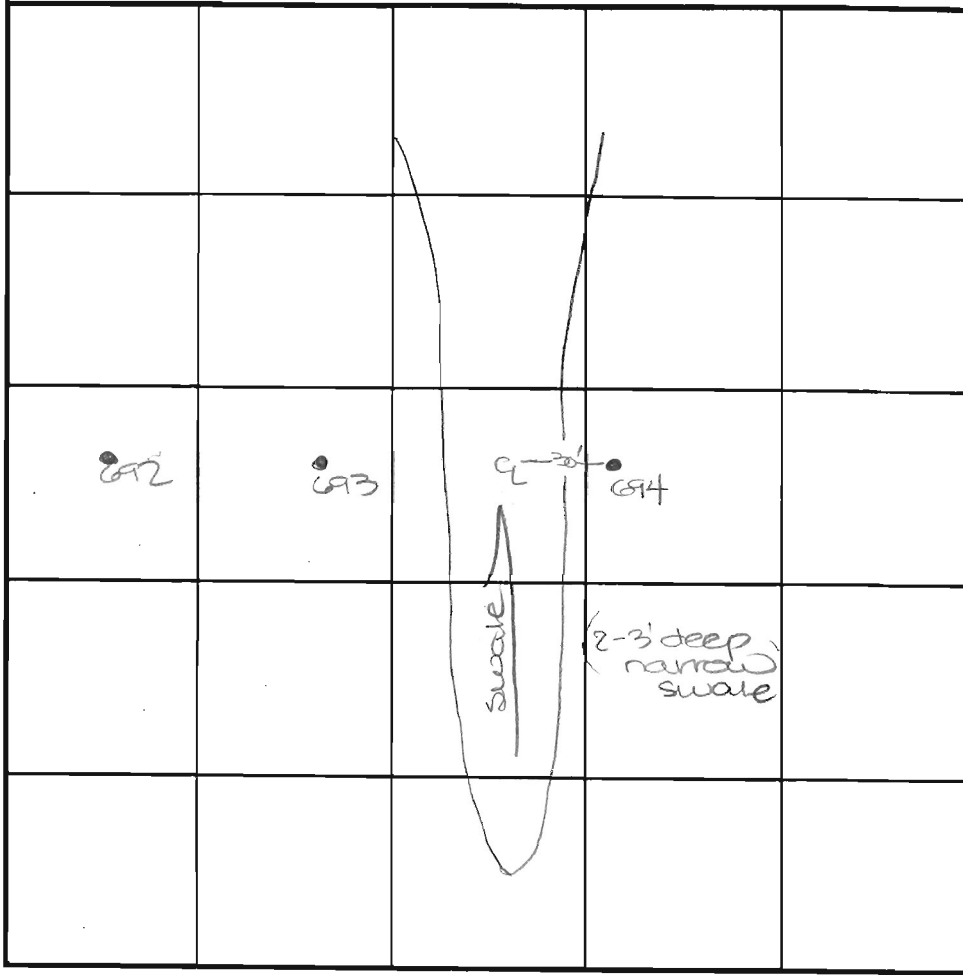
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' 694
 1' topsoil
 red brn
 cl lm
 4-4.5' med
 org brn
 Si mica
 lm
 15%+
 rock
 14'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0' 693
 1' topsoil
 red org
 brn
 cl lm
 4' lt brn
 org brn
 Si mica
 lm
 10-15%
 rock
 13'

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|--------|-------------------|--------|----------------|------|----------|
| | | | START | STOP | START | STOP | |
| 6-14-01 | 694 | 4.5' S | 2:57 | 3:00 | 3:00 | 3:04 | 4 |
| | | 14.0'D | Visual | -see | profile | | OK |
| | 693 | 4.5' S | 3:00 ₃ | little | slow | — | OK below |
| | | 13.0'D | Visual | -see | profile | | OK |
| | 692 | 4.5' S | 3:08 | 3:11 | 3:11 | 3:15 | 4 |
| | | 14.0'D | Visual | -see | profile | | OK |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

0' 692
 1' topsoil
 org brn
 cl lm
 3.5-4' org brn
 to
 lt brn
 Si mica
 lm
 14' 60% rock

REMARKS _____

TYPE OF SOIL _____

TESTED BY DRC DUE TO DROUGHT CONDITIONS, APPROVABLE HOLES MUST HAVE 8 FEET FROM OBSERVED

TRENCH DESIGN DATA: AVER _____ GROUNDWATER TO BOTTOM OF

INLET DEPTH _____ PROPOSED SEPTIC SYSTEM

ESENT M. Johnson & crew

TRENCH WIDTH _____

BEDROOM _____

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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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. _____

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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.

(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 #

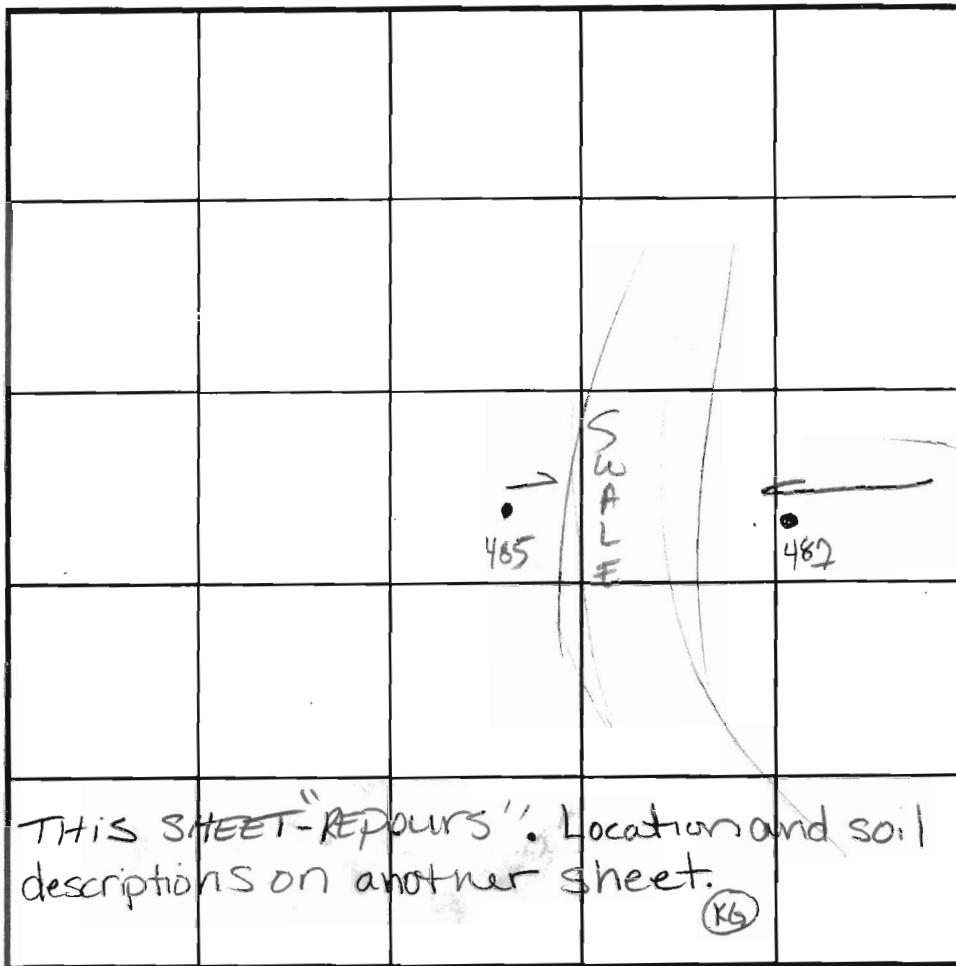
SOIL PROFILE

0'

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.

Empty vertical box for soil profile notes.



SOIL PROFILE

0'

Empty vertical box for soil profile notes.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|----------|----------|--|--------------------|--------------------|--------------------|--------------------|-------|
| | | | START | STOP | START | STOP | |
| 11/20/01 | 507 | 7.5 | | | | | |
| Repair | 511 | 7.5 | | | | | |
| | 513 | No Perc Redug another side of shelf and still DEEP clay pocket 28-8 1/2". FAIL | | | | | |
| A Repair | 485 | 5 1/2 S | 2:42 | 2:47 | 2:47 | 2:54 | 7 min |
| | 487 | 5 1/2 S | 2:47 | 2:48 ³⁰ | 2:48 ³⁰ | 2:51 ¹¹ | 3:15 |
| | 484 | 6 S | 2:56 ³⁰ | 2:57 ⁴³ | 2:57 ⁴³ | 3:00 ¹⁵ | 3:15 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

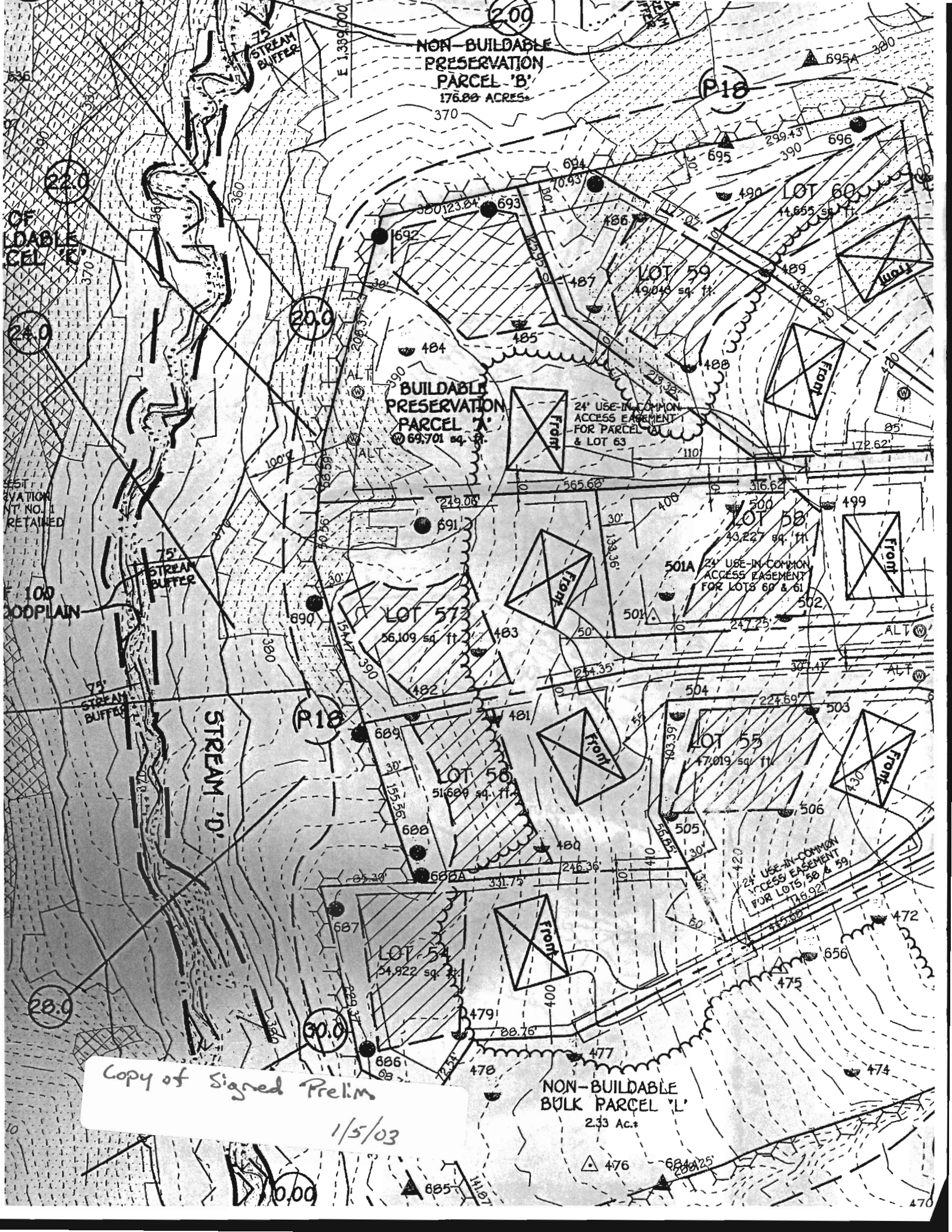
REMARKS #513 NOT PASSED HOLES PER PLAN

TYPE OF SOIL _____

TESTED BY Goedeking ALSO PRESENT Mike J & crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



NON-BUILDABLE
PRESERVATION
PARCEL 'B'
176.88 ACRES

BUILDABLE
PRESERVATION
PARCEL 'A'
69,701 sq. ft.

NON-BUILDABLE
BULK PARCEL 'L'
2.33 Ac.±

Copy of Signed Prelim
1/5/03

OF
BUILDABLE
CELL 'E'

EST
ELEVATION
POINT NO. 1
RETAINED

100
COOPLAIN

STREAM 'D'

75'
STREAM
BUFFER

75'
STREAM
BUFFER

75'
STREAM
BUFFER

P18

200

200

220

240

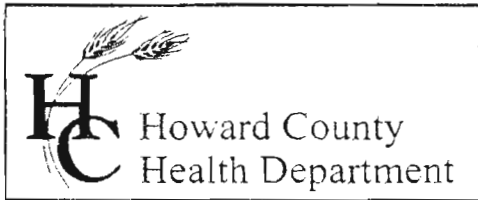
P18

300

280

1000

470



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
October 23, 2003

Chuck Crovo
c/o Fisher Collins and Carter
Centennial Square Office Park
10272 Baltimore National Pike
Ellicott City, MD 21042

RE: Percolation Test Results – A515042
Benedict Farm, Revised Lots 80-87, 89, 90
Route 108 & Homewood Road

Dear Mr. Crovo:

Percolation testing conducted April 15 and 16 and July 17 and 28, 2003 on the referenced property indicated satisfactory soil conditions, although some shallow rock, shallow water and deep clay were also encountered. 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;
- 2) proposed house sites and sewage reserve areas
- 3) proposed 1500 ft² of approvable well area per lot
- 4) a note certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown;
- 5) a note indicating that depicted topography reflects field-verified information
- 6) the plan identification number (PC 515042-Revised)

Although the sand mound tests on Lot 81 passed, the additional tests conducted on Lot 90 to support a proposed model house revealed unpredictably rocky soils, requiring significant revision. It is suggested that the proposed model house be served by the sewage reserve area on existing Lot 31.

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: File