

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

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

April 21, 2006

Edward Winston
7331 Rocky Creek Drive
Columbia, Maryland 21046

RE: PERCOLATION TEST RESULTS – A524105
Blounts Lane Parcel 53

Dear Mr. Winston:

Percolation testing conducted April 12, 2006 on the referenced property indicated satisfactory soil conditions. 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 and elevations of all excavated test holes.
- 2) Proposed building, well and septic system.
- 3) Locations of well and septic system for existing house.
- 4) Locations of any other relevant features such as streams, swales, or existing structures.
- 5) Plan needs to be on a 2 foot contour.
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown.
- 7) A note indicating that depicted topography reflects field-matched information.
- 8) A health officer signature block stating "approved for private water and private sewer systems."
- 9) A MDE sewage disposal area statement is required.
- 10) A note stating all wells to be drilled prior to final plat approval.
- 10) MDE minimum lot width statement.
- 11) General statement regarding the maximum number of bedrooms per home.
- 12) Add the A# in the title block

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Sincerely,

Sara Fegel
Well and Septic Program
Development Coordination Section

SF
Enclosures
Cc: Bruce Bates
File



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

July 29, 1997

Christopher Mc Guinness
c/o E. Winston
8528 Blount Lane
Fulton, Maryland 20759

RE: Percolation Test Date
Application Number - A58576
Purpose: Existing lots of record
Property ID: Beaufort Park - Blount Lane
Lots 3,6 & Parcel 53
Tax Map: 45

Dear Mr. Winston:

A percolation test date has been reserved for 10:00 a.m., Friday, August 15, 1997, for the above referenced Property.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

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

Percolation test results can be expected within approximately 2 to 3 weeks.

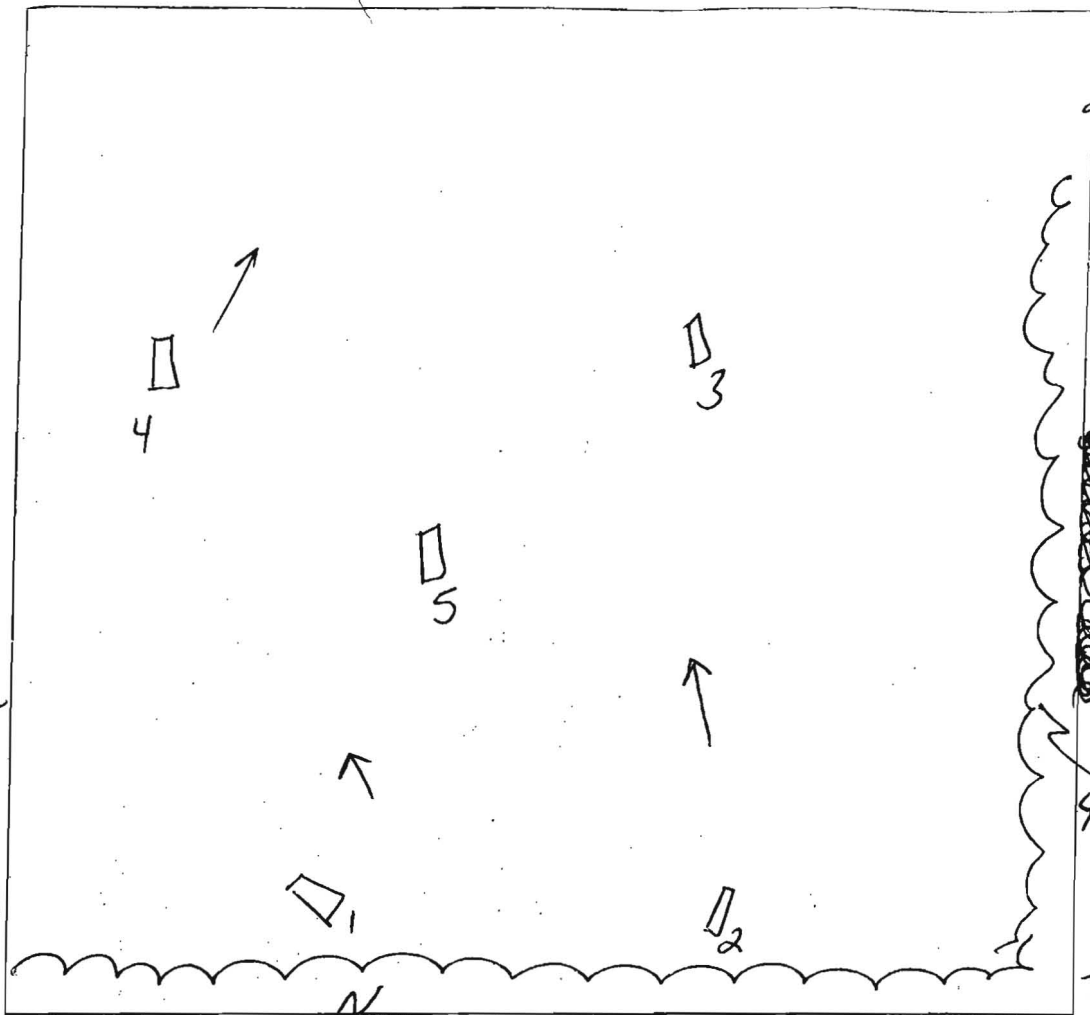
Please call this office between 8:00 a.m. and 5:00 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours,

Amy Mc Millen, R.S.
Water & Sewerage Program

AM:am
cc:John Boender
File



1
dark brown
L roots
brown
sl sg
micaceous
45%
quartz
small
cobbles
↓
15%
channey
HB check

2
dark brown
L roots
reddish
yellow
scl m
reddish
yellow
dense sl
quartz
sg
gravel

3
gray ls
cw sg
10% gravel
gravel/cobbles
separate
HB

3
dark brown
L roots
reddish
brown
scl
↓
dense m
gravel sl
micaceous
15% cw

gray
ls w sg
deposition
rock fragments
15-20%
saprolite
quartz gravel

4
dark brown
L roots
brown
scl/cl m
reddish
yellow
sl sg
↓
5%
gravel
saprolite
gray
coarse
sl

5
dark brown
L roots
brown
cl/scl
transition
reddish
yellow
sl sg
5%
cobbles
gravel

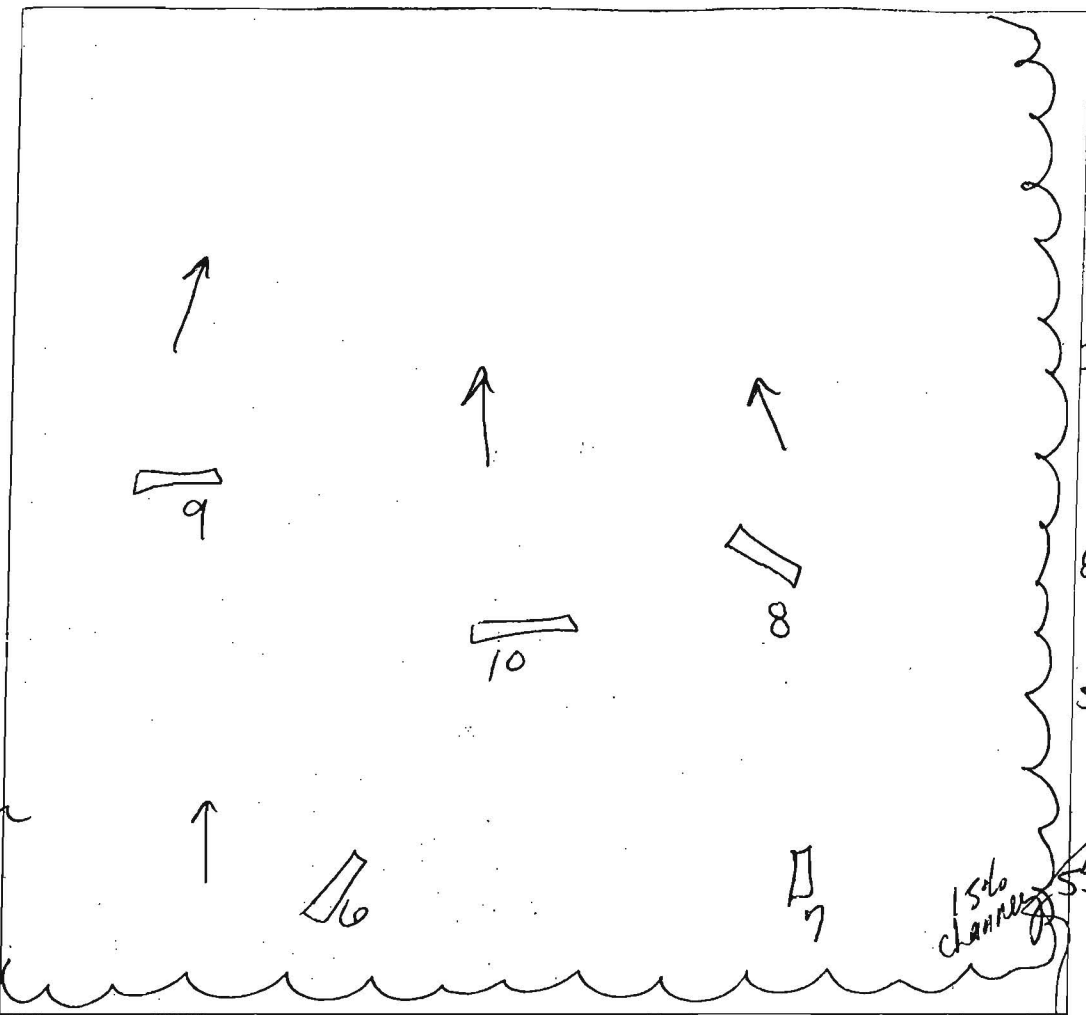
| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | P/F/H |
|---------|--------|--------------|--------------------|--------------------|-----------------|---------------------|-------|
| 4/12/06 | 4 | 5'5" / 12'5" | 12:11 | 12:14 | 12:17 | 3 | P |
| | 5 | 6' / 12' | 12:33 | 12:35 | 12:42 | 7 | P |
| | 1 | 3'5" / 10' | 1:32 ⁰³ | 1:34 | 1:39 | 5 | P |
| | 2 | 4'5" / 10' | 1:21 ²⁰ | 1:30 | 1:44 | 14 | P |
| | 3 | 4'5" / 13' | 1:45 ²⁷ | 1:49 ³⁴ | 1:56 | 7 | P |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS All forested area. #5 effective area @ 4' 13'

SANITARIAN SF BACKHOE Bates OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME 7 SQ. FT./BR 130

A. 2



6
dark brown
L sbk
5'
brown sel
2'
reddish brown
sel/dense
sl
micaceous
cw
4'
reddish
yellow
sl sg
micaceous
well compact in ground
brown
sl coarse
micaceous
5% quartz
sand
spherule
10

1'
dark brown
L
reddish
yellow
sel micaceous
2'
quartz cobbles
4'
reddish brown
sl sg
well compact
in ground
6'
brown
sl
micaceous
15% channery
quartz
spherule
HB

7
dark brown
L
1'
brown
sl
micaceous
2'
reddish
yellow
sl
micaceous
35"
reddish
brown
sl sg
dense in ground
micaceous
15-20% chert
pl spherule
HB
9
dark brown
L
5'
reddish
yellow
sel
pl
10% channery
micaceous
55"
reddish
yellow
sl sg
dense in
ground
micaceous
7'
brown
sl sg
micaceous
12.5"

8
dark brown
L
6"
reddish
yellow
bands of mica
sel pl m
30% channery
5'
brown/gray
sel/l
pl sg
10% channery
5% quartz
sand
spherule

Blounts Canal

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | P/F/H |
|---------|--------|------------|---------------------|------------------|-----------------|---------------------|-------|
| 4/12/06 | 6 | 4'5" / 12' | 10:01 | too slow | | | |
| | " | 6' | 11:00 | 11:18 | 11:32 | 14 | P |
| | 10 | 5' / 11'5" | 10:20 | too slow | | | |
| | " | 6' | 11:49 | 11:55 | 12:00 | 5 | P |
| | 7 | 5' / 8' | 10:32 | 10:39 | 11:01 | 22 | P |
| | 9 | 4' / 12'5" | 10:55 | 11:08 | too slow | | |
| | " | 5'5" | 11:52 ¹² | 11:55 | 12:03 | 8 | P |
| | 8 | 5' / 14' | 11:36 | 11:41 | 11:47 | 6 | P |

REMARKS #7 effective area @ 3'5" - wooded area. 14'

SANITARIAN SP BACKHOE Bates OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME 11 SQ. FT/BR 210

11'5"

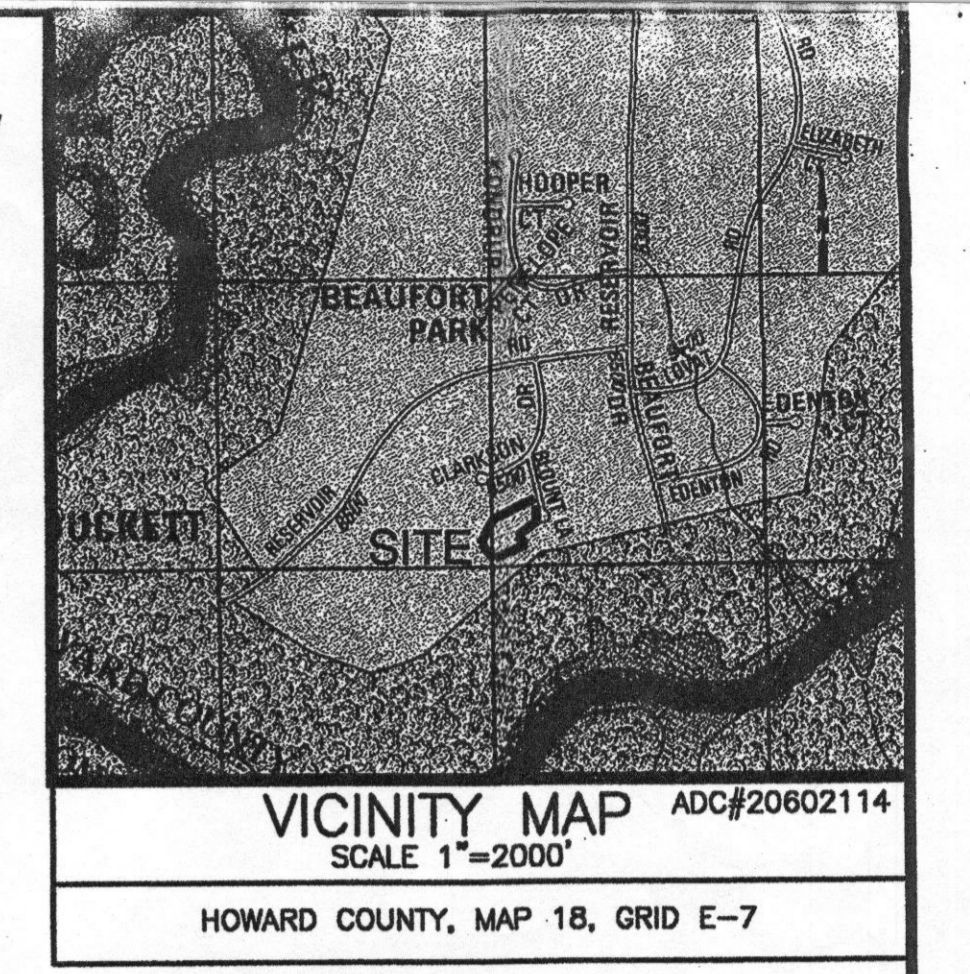
- LEGEND**
- EX. PROPERTY LINE
 - EX. WOODS LINE
 - EX. MAJOR CONTOUR
 - EX. MINOR CONTOUR
 - EX. FENCE
 - MICS
 - SOILS
 - STREAM (WATERS OF THE U.S.)
 - 50' STREAM BUFFER
 - PROPOSED SETBACKS
 - PASSED PERC. LOCATIONS TESTED 4/21/06
 - PASSED PERC. LOCATIONS PER APPROVED HOCO HEALTH DEPT. ON 9/22/07
 - SOIL BORINGS FOR STORM WATER MANAGEMENT
 - FAILED PERC TEST
 - PROPOSED SEPTIC AREA
 - WELL RESERVATION AREA

NOTES:
 1. HO CO 97 ARE BASED ON THE APPROVED PERC LOCATIONS TESTED ON 9/22/07.
 2. HO CO 06 ARE BASED ON THE PERC LOCATIONS TESTED ON 4/21/06.

- GENERAL NOTES:**
- SITE INFORMATION
 A. LIBER/ FOLIO: 10222/316
 B. TAX ACCOUNT NUMBER: 372712
 C. SITE AREA: 59,806 SQ. FT. (1.350AC)
 - THIS 10,049.9 SQ. FT. AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT, AS REQUIRED BY THE APPROVED RECORD PLAT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
 - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
 - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
 - ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT 410.313.1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1.800.257.7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 - THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH 2-FOOT CONTOUR INTERVALS PREPARED BY christopher consultants, ltd. DATED JUNE 2006.
 - THIS LOT WILL BE SERVED BY WELL AND SEPTIC.
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
 - ZONING: RR-DEO
 - BUILDING SETBACKS:
 FRONT: 75'
 SIDE: 10'
 REAR: 30'
 - IN ADDITION TO THIS NEW REQUIREMENT, ALL HOUSE LOCATION DRAWINGS (WALL CHECKS) SUBMITTED AFTER 7/14/03 ARE REQUIRED TO ALSO SHOW THE EXISTING FIELD LOCATED WELL(S) IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER ALONG WITH THE RECORDED SEPTIC EASEMENT OR APPROVED SEWAGE DISPOSAL AREA SHOWN.
 - ALL WORK WILL OCCUR ON LOT 53 AND IN THE ACCESS EASEMENT. THE LIMIT OF DISTURBANCE AND SUPER SILT FENCE HAVE BEEN SHOWN OUTSIDE BOUNDARY FOR CLARITY PURPOSES ONLY.
 - MAXIMUM NUMBER OF BEDROOMS NOT TO EXCEED FOUR(4).
 - LOT 3 PARCEL 26 WAS RECORDED IN THE HOWARD COUNTY LAND RECORDS IN PLAT BOOK 10 PAGE 8 ON 12-24-1964 AS PART OF BEAUFORT PARK PLAT ONE.
 - PROPOSED TRENCHES SHOWN IN THE SEPTIC RESERVE AREA MUST BE INSTALLED IN ACCORDANCE WITH THE HOWARD COUNTY HEALTH DEPARTMENT GUIDELINES

PERC TABLE

| TYPE | PERC. NO. | PASS/FAIL |
|----------|-----------|-----------|
| HO CO 97 | B | PASSED |
| HO CO 97 | F | PASSED |
| HO CO 97 | J | PASSED |
| HO CO 97 | A | PASSED |
| HO CO 97 | H | FAILED |
| HO CO 97 | C | FAILED |
| HO CO 97 | G | FAILED |
| HO CO 97 | D | FAILED |
| HO CO 97 | E | FAILED |
| HO CO 06 | 1 | PASSED |
| HO CO 06 | 2 | PASSED |
| HO CO 06 | 3 | PASSED |
| HO CO 06 | 4 | PASSED |
| HO CO 06 | 5 | PASSED |
| HO CO 06 | 6 | PASSED |
| HO CO 06 | 7 | PASSED |
| HO CO 06 | 8 | PASSED |
| HO CO 06 | 9 | PASSED |
| HO CO 06 | 10 | PASSED |
| HO CO 06 | 11 | PASSED |
| HO CO 06 | 12 | PASSED |
| HO CO 06 | 13 | PASSED |
| HO CO 06 | 14 | PASSED |
| HO CO 06 | 15 | PASSED |
| HO CO 06 | 16 | FAILED |
| HO CO 06 | 17 | FAILED |



SOIL ANALYSIS

| SYMBOL | SOIL | SLOPE | K-FACTOR | HYDRIC |
|--------|---------------|---------|----------|--------|
| GIB2 | GLENELG LOAM1 | 3%-8% | 0.20 | NO |
| MID2 | MANOR LOAM1 | 15%-25% | 0.24 | NO |
| MIC3 | MANOR LOAM1 | 3%-15% | 0.24 | NO |

APPROVED: DEPARTMENT OF PLANNING AND ZONING

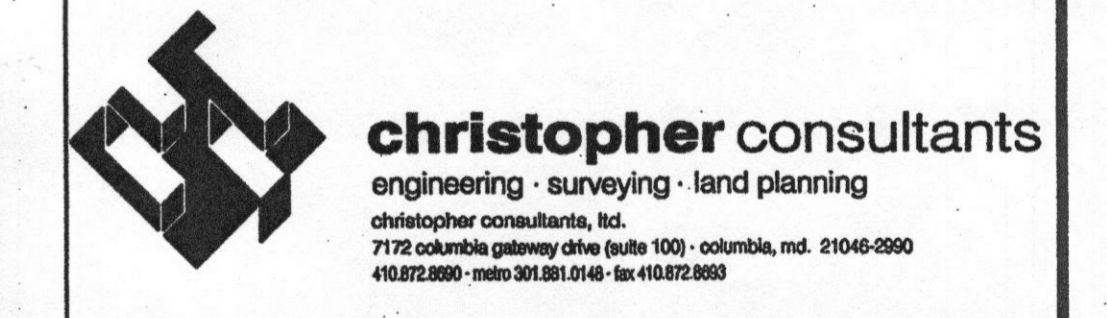
Chief, Division of Land Development _____ Date _____

Chief, Development Engineering Division _____ Date _____

Director, Department of Planning and Zoning _____ Date _____

Date No. Revision Description

BEAUFORT PARK PARCEL 53 AND LOT 3
OWNER / DEVELOPER
 BRUCE BATES 13060 MAINWRIGHT RD.
 PHONE: (301) 617-0164 HIGHLAND, MD 21077
 FAX: (301) 654-3503



ADDRESS CHART

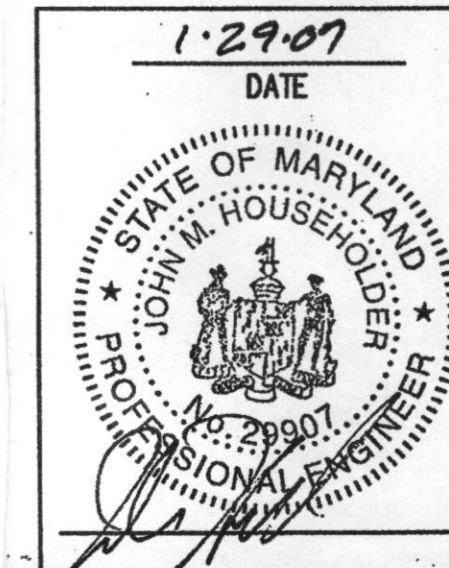
| LOT/PARCEL | STREET ADDRESS |
|------------|----------------|
| 53 | CLARKSON DRIVE |

PERMIT INFORMATION CHART

| PROJECT NAME | LOT/PARCEL NO. | CENSUS TRACT | | |
|-------------------------|----------------|--------------|---------|-------------------|
| BEAUFORT PARK PARCEL 53 | PARCEL 53 | 6051.02 | | |
| PLAT NO. | GRID NO. | ZONE | TAX MAP | ELECTION DISTRICT |
| 12 | 12 | R-20 | 45 | 05 |
| WATER CODE | SEWER CODE | | | |
| PRIVATE | PRIVATE | | | |

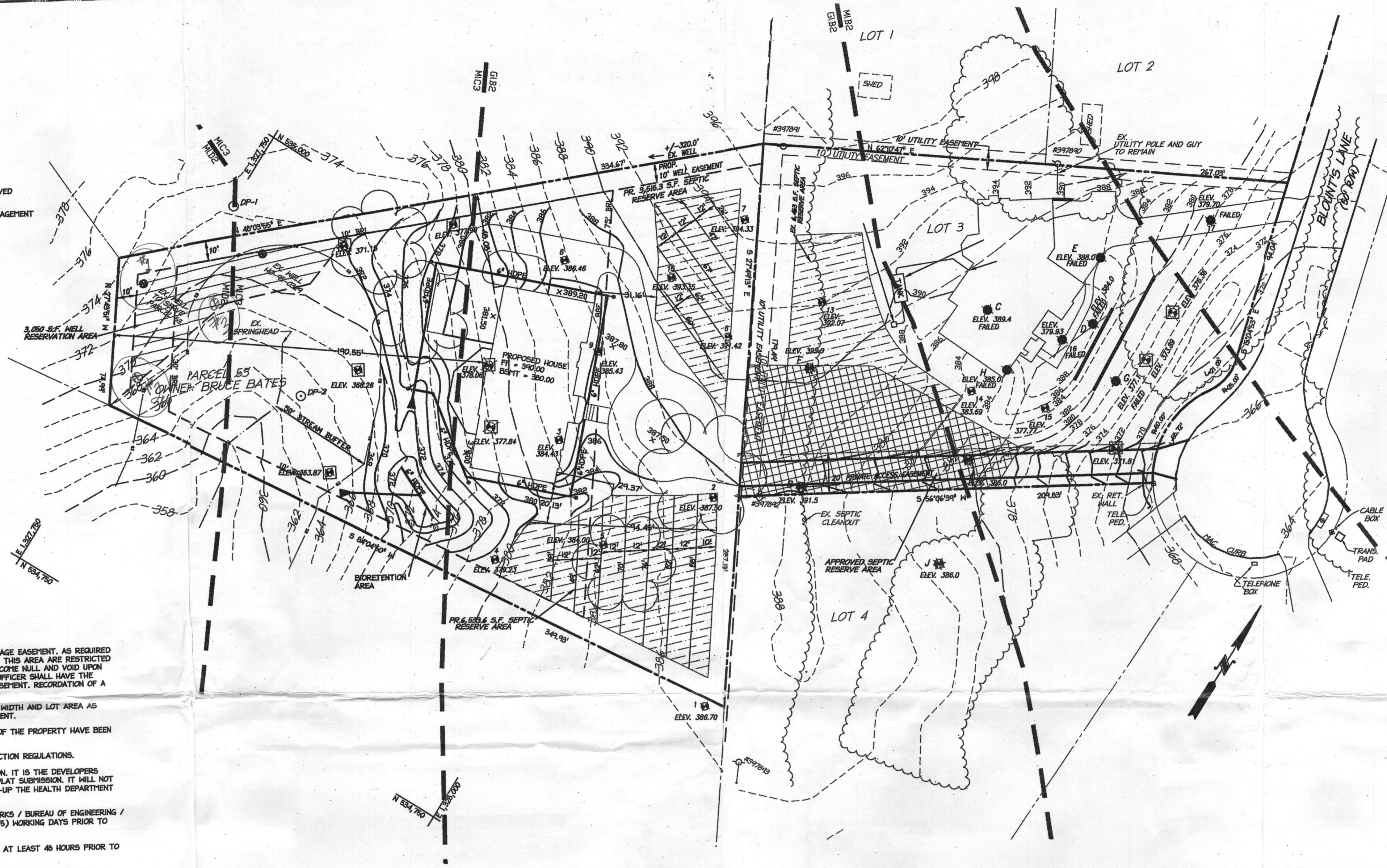
TITLE:
PERCOLATION CERTIFICATION PLAN

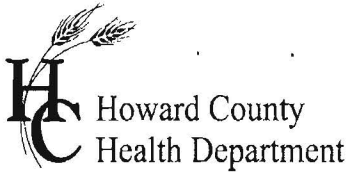
DESIGN: KJS SCALE: 1" = 30'
 DRAWN: DAM DATE: 12/04/06 PROJECT: 067701.01
 CHECKED: JMH APPROVED: **1 of 1**



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Robert J. Welch 2/8/07
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT





APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 524/05

AGENCY REVIEW: _____

DATE 2/22/06

05-372712 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) EDWARD WINSTON

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 7331 ROCKY CREEK DR. COLUMBIA MD 21046
STREET CITY/TOWN STATE ZIP

APPLICANT BRUCE BATES

DAYTIME PHONE 301 617 0164 CELL 301 617 0164 FAX 301 854 3503

MAILING ADDRESS 13060 WAINWRIGHT RD HIGHLAND MD 20777
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS CLARKSON DR. FULTON MD 20759
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 45 GRID 13 PARCEL(S) 53 PROPOSED LOT SIZE 1.35

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. Bruce Bates
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH