



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 537302

AGENCY REVIEW: _____

DATE 6-25-12

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 _____ 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) Simpson Mill Holdings, LLC @gmail.com

DAYTIME PHONE 443-250-5734 CELL same FAX dylehthompson

MAILING ADDRESS 13717 Springdale Drive, Clarksville Md 21029
STREET CITY/TOWN STATE ZIP

APPLICANT Dale Thompson

DAYTIME PHONE _____ CELL 443-250-5734 FAX _____

MAILING ADDRESS 13717 Springdale Dr. Clarksville Md.
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME @Brighton Dam Road: Springdale Drive Parcel "A" LOT NO. _____

PROPERTY ADDRESS 13601 Brighton Dam Road, Clarksville, Md.
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID _____ PARCEL(S) 60 PROPOSED LOT SIZE existing 34 acres

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. Dale Thompson
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

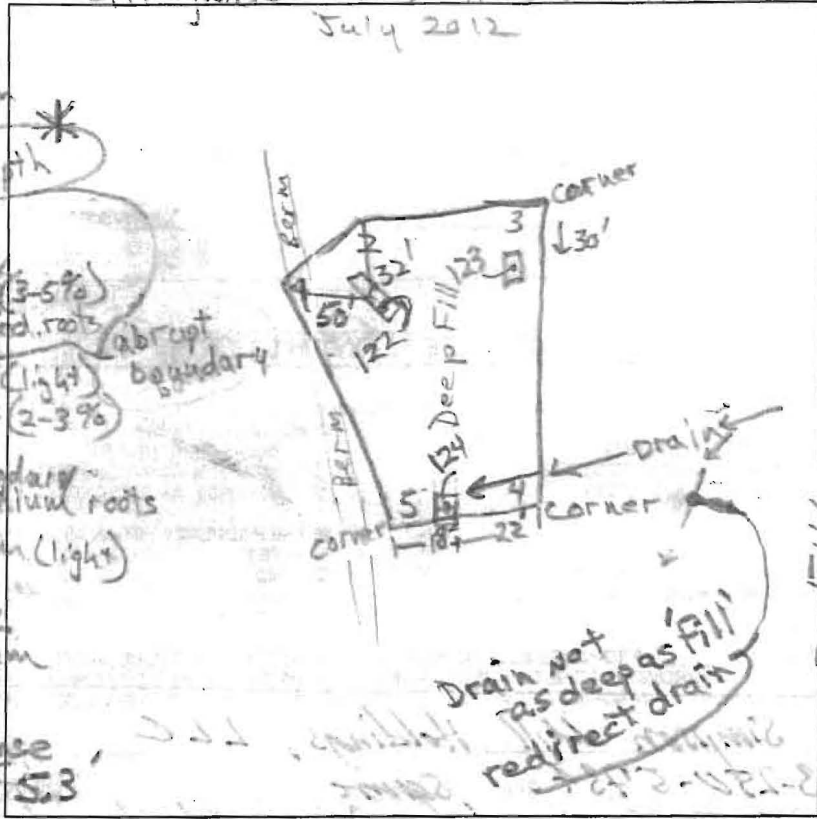
Springdale Estates Preservation Parcel 'A'

July 2012

AP
0.5' at south end

123

up hills to north
boulder
deeper fill
To 1.8' depth
yellow loam
7 fgs & 1 fgsbk
Common mica (3-5%)
few fine med. roots
abrupt boundary
dk. brn loam (light)
Common mica (2-3%)
2 fgsbk
smooth boundary
Common medium roots
yel-red loam (light)
2 fgsbk
few roots



124
* North end
Fill to ~4.5'
end with
yel-red scl
9.5'
yellow loam
few mica
6.7'
white & grey
ls, mica
11'

124
yel-red loam
12.5'
meta
wood
wire rope
brn loam
4'
yel-red scl
5'
variegated sl
brn, grey
yellow
pale yellow
7'
white & grey
ls
10'
brn & grey-brn
sl, mica
13'
yellow pale yellow
sl, few mica
14'

2.2'
yel-red loam
few mica
no roots
1 fgsbk, dense
5.3'
yel sl
7.8'
brn-yel sl
2.2' (pale yellow)
10.8'
yel-red ls
2 impl c2d
12.7'
brn ls
14'
3 spl, mica

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|-------|--------|---------------|--------------|------------------|-------|
| 7/10/12 | 123 | 5.6' | 11:10 | 11:13 | 11:18 | 5 | P |
| 7/10/12 | 124 | 6.14' | 12:31 | 12:33 | 12:37 | 4 | P |
| 7/10/12 | 122 | 13.7' | Visual | 5.7' | 9.7' | 12.9' | P |

122 cont
5.7'
brn sl
common mica
8.4'
grey & brn ls
many mica
few stones
2 fgs (dk brn, Mo)
12.3'
dk grey & brn ls
many mica
13.7'
3 spl
c2d (yel-red)

122
brn to yel-red
sl, few gravel
oriented in
various planes
one dk grey strata
2.5'
xgrls
3.0'

REMARKS: Remove overburden & re-evaluate center.
SANITARIAN: RB
BACKHOE: MIKE
OTHERS: Dale Thompson
TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____
TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE S/W: _____

3.9'
brn-yel
loam, few mica
7 fgsbk
5.7'

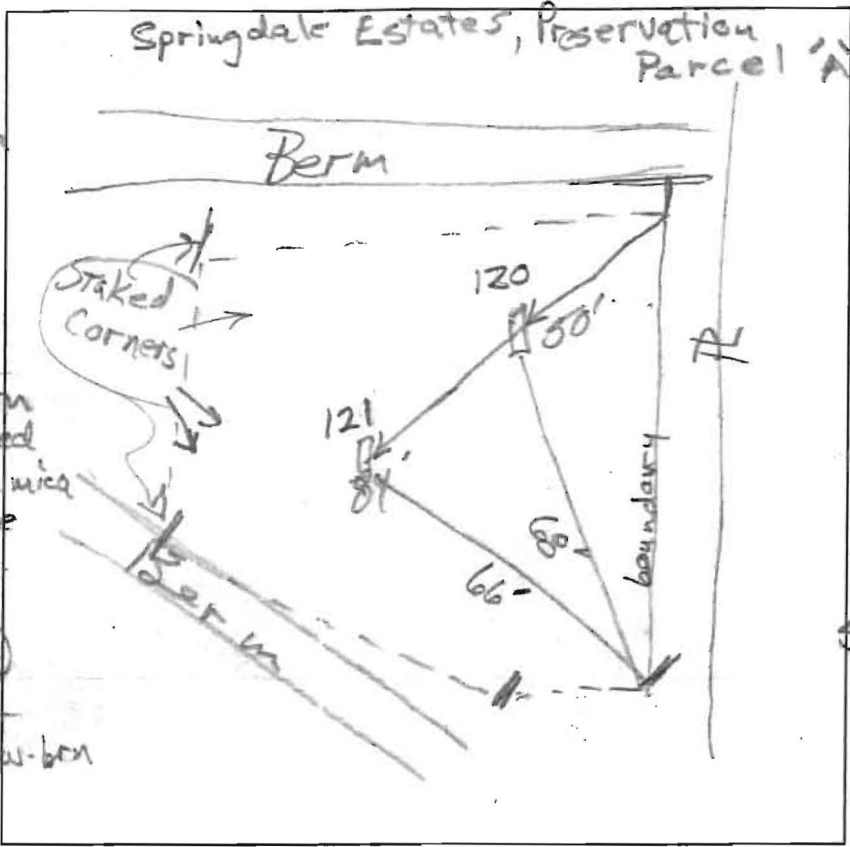
see other column

AP

120

Remove
1.15'
1'
2'
5.0'
5.6'
7'
9'
13.1'
14'

1.15' yel-brn sl / common mica
1' m pl
1' pale-yellow & grey sl / w/ channels
2' Øm, dense
1' yel-brn & brn inter-layered fsl, common mica
5.0' Øm, dense
brn loam
1.15' dk brn
5.6' bodies Øm
1' lt brn & yellow-brn
1' fsl Øm
1' saprolite
7' dk brn sl
1' Øm
9' pale yellow & white
1.15' c2p (dk brn)
13.1' lfs, saprolite
1' common mica
1' pale red-yellow & white
14' sil, Øm
(c2 & 3p) dk brn
1' many very fine mica



121

Remove
1'
2'
3'
4.8'
5.3'
8'
14.1'
14.3'

1' yel-brn SC
1.15' m2d (grey)
1' grey gr
2' Øm
3' yel-brn cl
Øm, (c2 f)
pale yellow
4.8' brn fsl
common mica
Øm, dense
5.3' pale yel-brn
fsl, Øm
f3d (grey)
8' brn s
1' msbk
8' brn & white
sil & brn
& yellow brn
fsl
Øm
common mica
14.1' white & grey
14.3' sil Øm

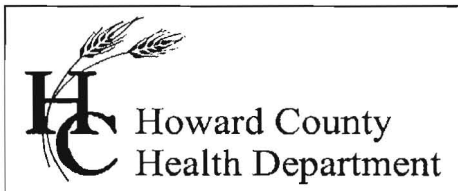
| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|--------|--------|-------|--------|---------------|--------------|--------------------|-------|
| 8/3/12 | 120 | 14' | Visual | | 5.6' | to 10' gpd/c2 P | |
| 8/3/12 | 121 | 14.3' | Visual | | 5.3' | to 8' 0.8 gpd/c2 P | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS Remove overburden to 1st grey layer (sight) 1.5'-2'

SANITARIAN RB BACKHOE Mike OTHERS Dale Thompson

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



Bureau of Environmental Health
7178 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

Peter L. Beilenson, M.D., M.P.H., Health Officer

July 23, 2012

To: Dale Thompson, Compass Homes

RE: Feasibility to conduct percolation tests in area near Springdale Drive, A537362

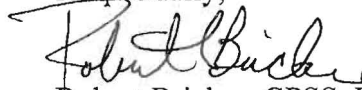
Mr. Thompson,

I have conducted a review of percolation test results completed on Lots 1, 2 and 11 of Springdale Estates. Most of these tests were conducted in March 1994. These data show that there is a seasonal water table that affects the depth to which septic system trenches may be installed. Therefore any percolation tests conducted on Preservation Parcel 'A' next to Springdale Drive will have to be conducted during a declared 'wet-season' test period.

The recorded data also reveal that 'fill' materials may be encountered in the sloping area of Preservation Parcel 'A' near Springdale Drive. If percolation tests are conducted in this area, the evaluation will include a description of soil surface conditions to determine if fill materials are present, and if there is potential to locate sand mound systems in that area.

Percolation tests scheduled for July 30, 2012 will be postponed to such time that a wet-season test period is declared. If you have any questions regarding this evaluation, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

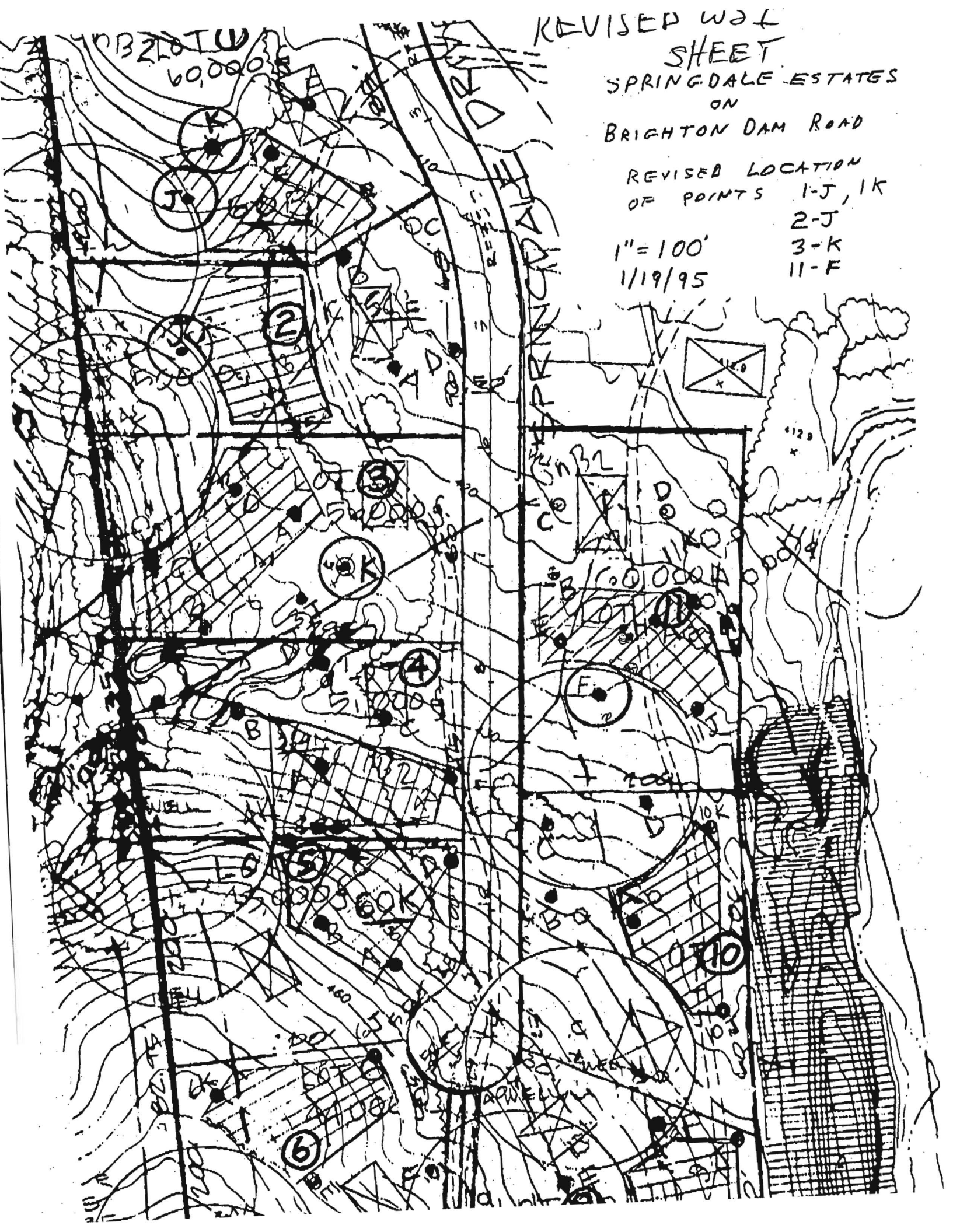

Robert Bricker, CPSS, REHS/RS
Environmental Sanitarian
Well and Septic Program

Enclosures (1)

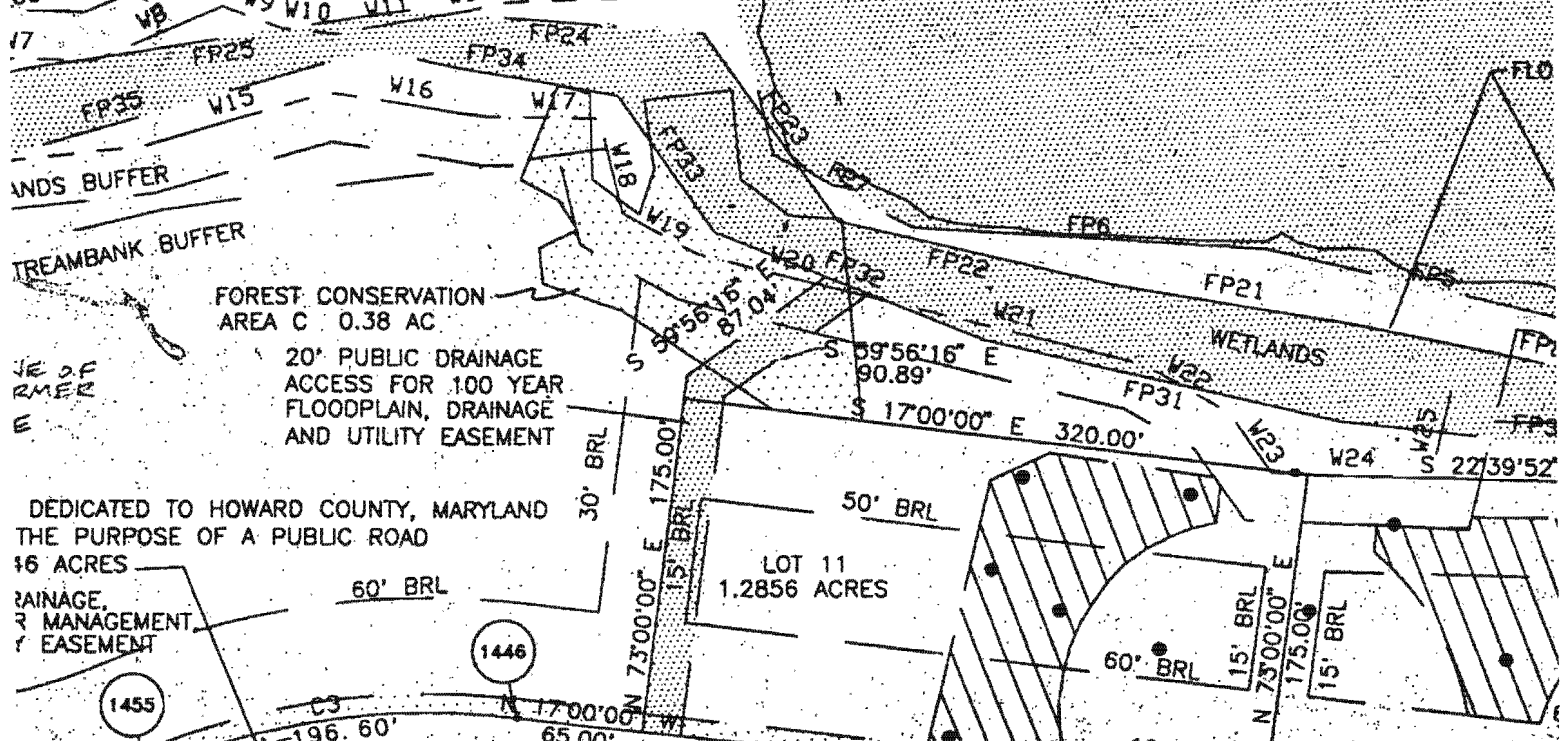
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REVISED W&L
SHEET
SPRINGDALE ESTATES
ON
BRIGHTON DAM ROAD

REVISED LOCATION
OF POINTS 1-J, 1K
2-J
3-K
11-F
1" = 100'
1/19/95



STREAMBANK BUFFER
PUBLIC 100 YEAR FLOODPLAIN, DRAINAGE, ACCESS FOR
100 YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT
25' WETLANDS BUFFER
LIMIT OF WETLANDS

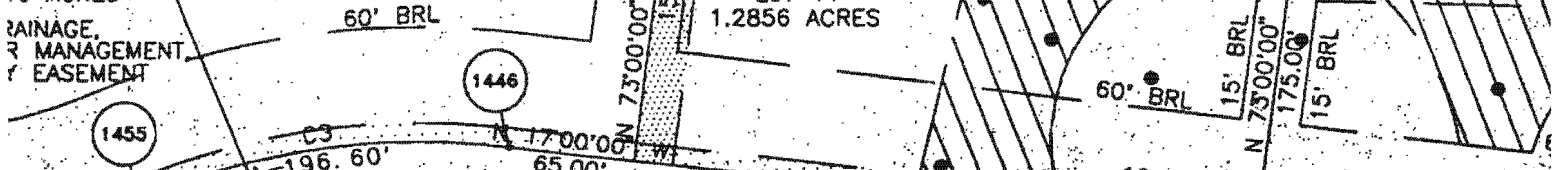


FOREST CONSERVATION
AREA C 0.38 AC

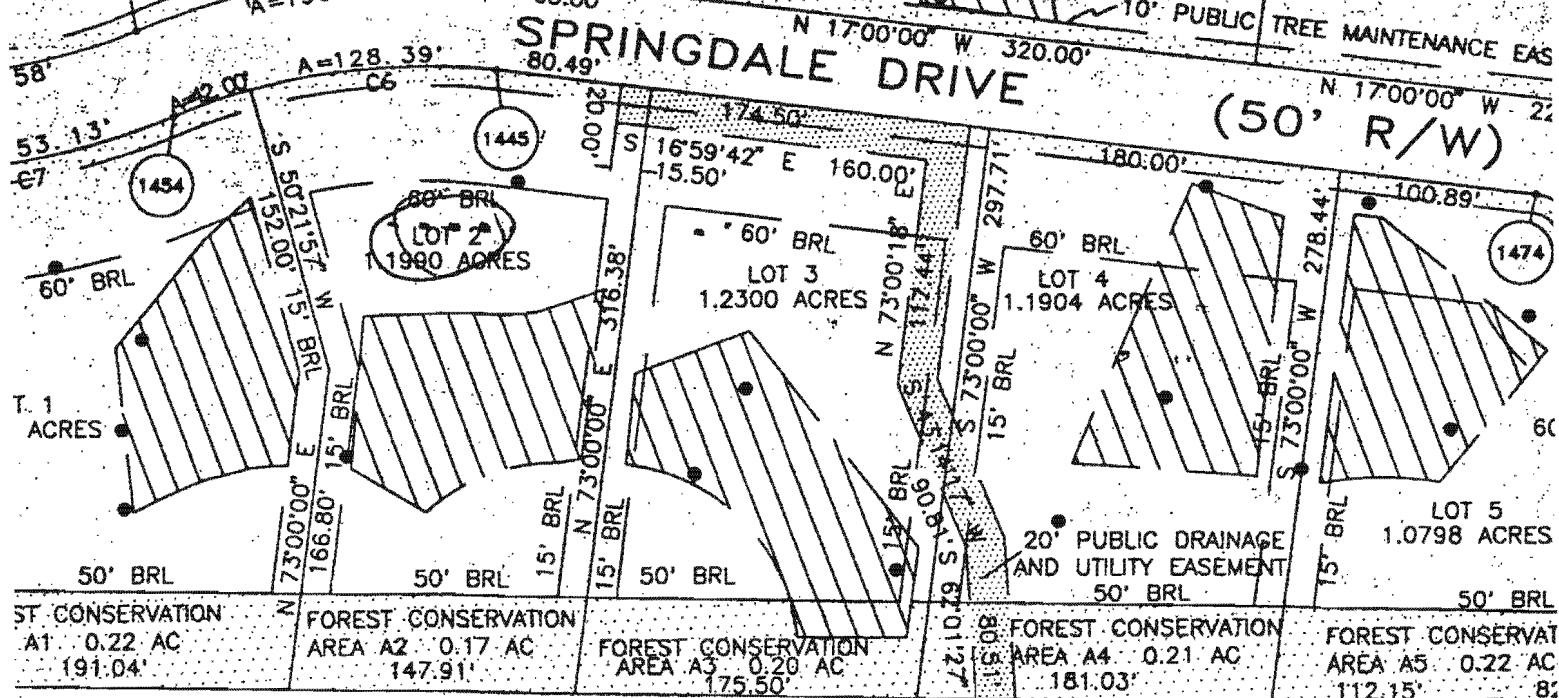
20' PUBLIC DRAINAGE
ACCESS FOR 100 YEAR
FLOODPLAIN, DRAINAGE
AND UTILITY EASEMENT

DEDICATED TO HOWARD COUNTY, MARYLAND
FOR THE PURPOSE OF A PUBLIC ROAD
16 ACRES

DRAINAGE,
WATER MANAGEMENT,
AND UTILITY EASEMENT



SPRINGDALE DRIVE (50' R/W)



FOREST CONSERVATION
AREA A1 0.22 AC
191.04'

FOREST CONSERVATION
AREA A2 0.17 AC
147.91'

FOREST CONSERVATION
AREA A3 0.20 AC
175.50'

FOREST CONSERVATION
AREA A4 0.21 AC
181.03'

FOREST CONSERVATION
AREA A5 0.22 AC
112.15'

N/F
K. B. CAIN
994/374

Signed Final
F-97-47

49860 E

COUNTY #
Lot 3
SOIL PROFILE

0'
org yel
si cl lm
tan
gray
brn
si sa
lm
L5%
frags

14 1/2

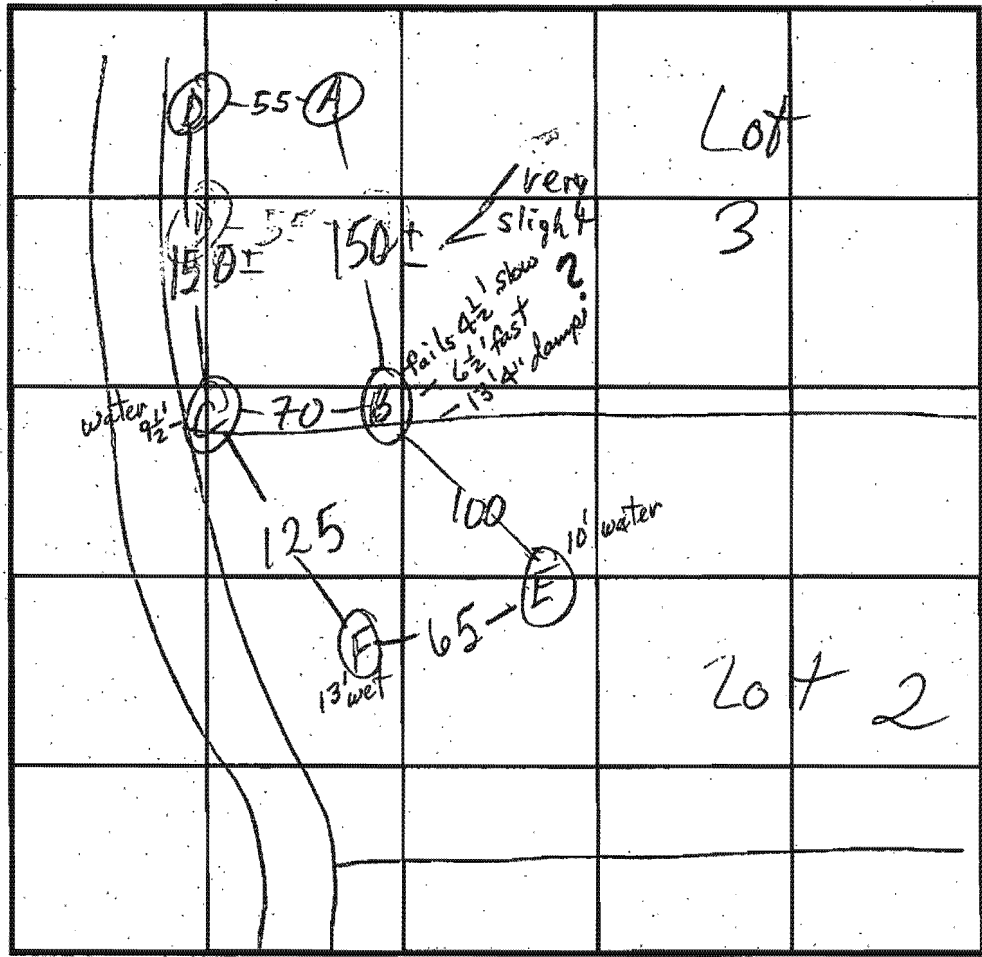
14 1/2
FILL
2 1/2
old
topsoil
3 1/2
dk-brn
lt gray
tan org
si sa
mica lm
L5% frags

14

14
red br
si cl
&
cl lm
tan
mica
sa
lm
10% frags

3'4"

SOIL DAMP



SOIL PROFILE

0'
org
brn
2-3
red
br
sa mica
lm
9 1/2
WATER
12

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|--------|----------|--------|----------------|----------------|----------------|------------------|-----------|
| | | | START | STOP | START | STOP | |
| 3/7/84 | A S | 14 1/2 | 12:13 12:27 | 12:17 12:28 | STORM 12:28 | THAN IN 12:31 | HOLE 3 |
| | A V | 14 1/2 | see | profile | | | |
| | D S | 4 1/2 | 12:18 | 12:20 | 12:20 | 12:25 | 5 EST |
| | D V | 14 | see | profile | | | |
| | E S | 4 | 1:04 | 1:08 | 1:08 | 1:15 | 7 |
| | E M | 6 1/2 | 1:04 | 1:08 | 1:08 | 1:11 | 3 |
| | G V | 12 | H2O @ | 9 1/2 | | | |
| | B S | 4 1/2 | 12:50 | 1:00 | 1:00 | | |
| | B M | 6 1/2 | 12:51 | | | 12:53 | FAST |
| | B M | 6 1/2 | 12:55 | 12:56 | 12:56 | 12:58 | 2 |
| | B V | 13 3/4 | | damp | | | |
| | B S2 | 5 | 1:22 | 1:27 | 1:27 | 1:40 | 13 |

REMARKS HOLES PER PLAN

TYPE OF SOIL _____
 TESTED BY M. Rifkin ALSO PRESENT Allen, Demmitt
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 1/2 TRENCH WIDTH 3
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180

COUNTY #

SOIL PROFILE

0'

red brn
sacr lm

brn
tan sa
lm
5%
Frag

moist
@ bot

12

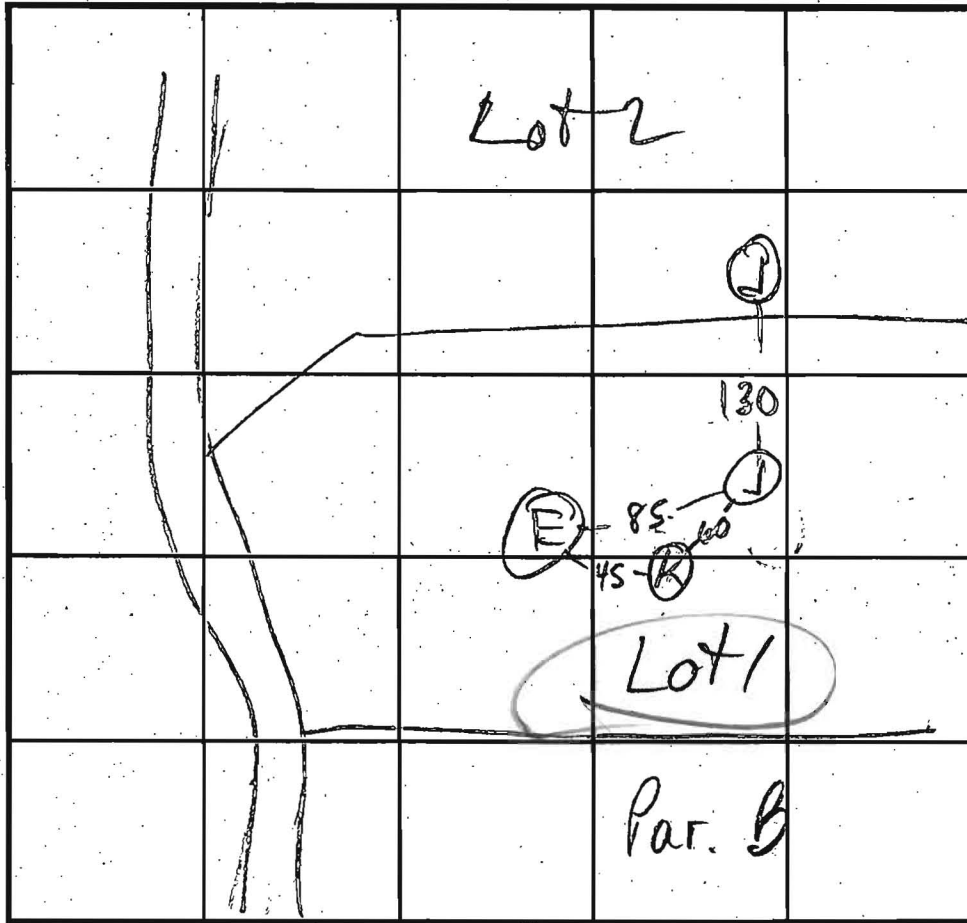
org red
cl lm

1/2-3

brn
si mica
lm
5%
Frag

19"

WATER



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 | |
| 11/2/94 | J S | 2 1/2 | 4:13 | 4:16 | 4:16 | 4:21 | 5 |
| | J V | 12 | | | | | |
| 2/1/95 | K V | 11'9" | H ₂ O | @ 10 1/2' | 6 HRS ± | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS _____

TYPE OF SOIL _____

TESTED BY M. Rifkin ALSO PRESENT R.D., J. Allen

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



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website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

July 17, 2012

To: Dale Thompson, Compass Homes

RE: **Perc Test Report, 13601 Brighton Dam Road, Springdale Estates Preservation Parcel 'A', A537362**

Percolation testing was conducted on the referenced property on July 10, 2012. The purpose for conducting these percolation tests was to re-establish percolation test data (i.e. soil profiles and perc times) for the existing platted septic reserve area.

Three soil profile observations were recorded and percolation tests were conducted at two of these locations. The percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soil properties of the 'native' soil are satisfactory for onsite wastewater disposal at each test location. The perc test field worksheet is enclosed.


The area tested is covered with 'fill' materials, presumably deposited during the period of active mining at a nearby quarry. The fill was determined to be 4 feet to 5 feet deep at two of the locations, and at the third location the fill ranged from 0.5 feet to about 2 feet depth. There is a 'ridge' of fill that occurs between the three observed locations. This ridge is estimated to be up to 6 feet greater in thickness of fill over the 'native' soil. (In essence, the depth of fill is estimated to range up to 10 feet or more.) This ridge and the associated increasing thickness of fill on its north flank have a negative effect on a significant portion of the defined septic reserve area. The depth of the fill precludes installation of a properly designed septic system as pipe inverts in the distribution trenches are placed at 4 foot depth, but cannot be placed in a layer of fill materials. Therefore the defined septic reserve area is currently unusable for wastewater disposal.

A note on the previously approved Perc Certification Plat states that the "overburden" is to be removed from the septic reserve area. If you choose to follow this direction, the Health Department requires a plan showing the following: 1) the depth of removal, 2) where the overburden is to be placed, and 3) how drainage will be managed.

Realizing the challenges of reclaiming the site for wastewater disposal, the Health Department suggests pursuing potential options. One option may be to test the area of sloping land near the northwest corner of the subject property. A review of data on nearby lots is recommended prior to pursuit of this option.

If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,


Robert Bricker, CPSS, REHS/RS
Environmental Sanitarian
Well and Septic Program

Enclosures (1)

Copy: file

To: Howard County Health Dep.
From: Dale Thompson
Applicant

Re: Perc Test Application
Parcel A
Springdale Estates

Date: 25 June 2012

The purpose of this perc test application is to re-established notes for the existing platted perc area for parcel A.

As such, in lieu of providing a new site plan, please use the existing Perc Plat for the Springdale Estates Subdivision, dated: 5/9/95 by this Health Department.

Thank you,

Dale Thompson



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 537302

AGENCY REVIEW: _____

DATE 6-25-12

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IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
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DAYTIME PHONE 443-250-5734 CELL same FAX dalehthompson

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APPLICANT Dale Thompson

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STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID _____ PARCEL(S) 60 PROPOSED LOT SIZE existing 39 acres

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TEST RESULTS WILL BE MAILED TO APPLICANT.

Dale Thompson
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

0.5 at
south

A/P

Springdale Estates Preservation Parcel 'A'
July 2012

124

* North end,