



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

APP 5573207C

AGENCY REVIEW: _____

DATE 6-28-12

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 5 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) GILLIECE FAMILY LLC

DAYTIME PHONE 410-531-0797 CELL 410-916-4164 FAX _____

MAILING ADDRESS 13111 LINDEN CHURCH RD CLARKSVILLE MD 21029-1174
STREET CITY/TOWN STATE ZIP

APPLICANT DEVELOPMENT DESIGN CONSULTANTS - BRIAN COLLINS

DAYTIME PHONE 410-386-0560 CELL 410-336-6362 FAX 410-386-0564

MAILING ADDRESS 192 EAST MAIN STREET WESTMINSTER MD 21157
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RESUBDIVISION OF LOT 2 OF THE DIAL Prop. LOT NO. 4

PROPERTY ADDRESS S/E RIVER ROAD SYKESVILLE 21784
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 09 GRID 06 PARCEL(S) 66 PROPOSED LOT SIZE 1.35ac

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.

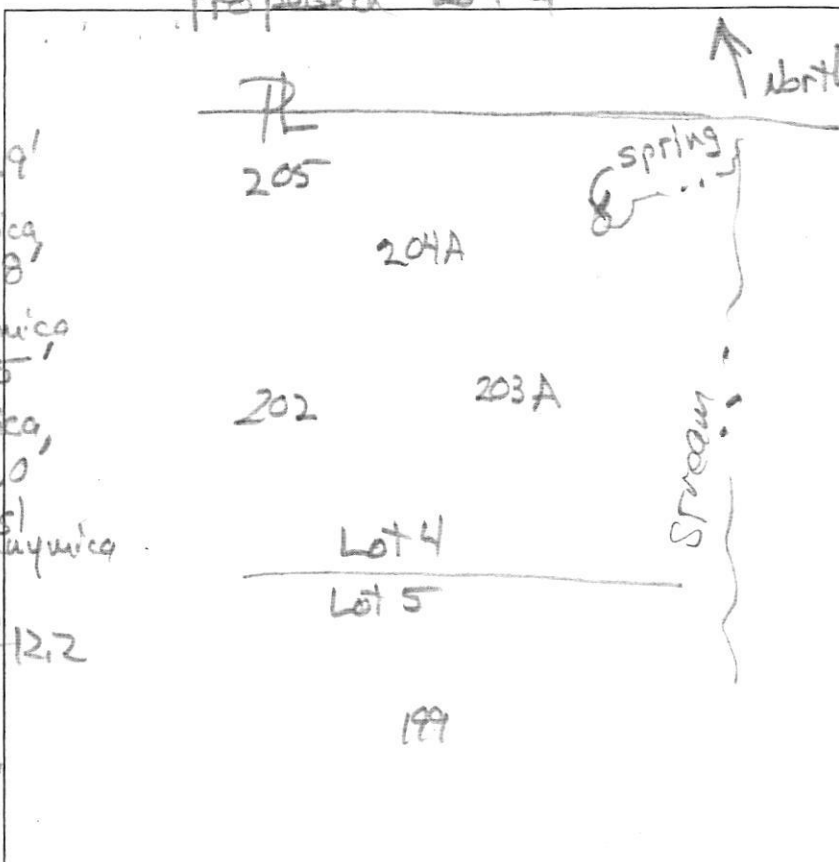
SIGNATURE OF APPLICANT

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

A/P

Proposed Lot 4

205
 dk brn to brn L 0.9'
 yel-red cl many flint mica 1.8
 brn L many calc mica 2.5
 yel brn sl, many mica, 3.0
 yel-brn & grey-brn sl many mica 15.8
 brn sl sandstones many mica 12.2



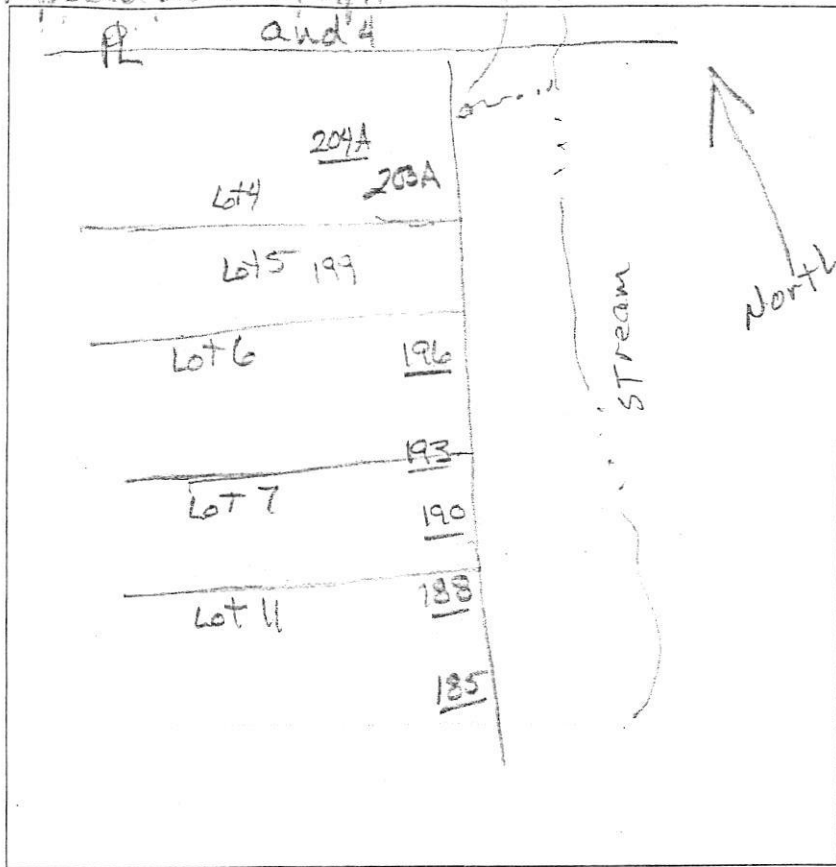
202
 dk brn L to brn L 1.2
 brn fs l many fine mica 11
 yel-red & yel-brn 15
 1 m pl m 1 p (pale yellow) 14.5
 m 1 p (blk)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/27/13	205	3.8' / 12.2'	9:44	9:46	9:49	3	P
3/27/13	202	3.5' / 14.5'	10:02	10:04	10:07	3	P
3/27/13	199	3.5' / 12.2'	10:17	10:20	10:26	6	P

REMARKS _____
 SANITARIAN RB/HS BACKHOE Chuck Zapp OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Proposed Lots 6, 7 & 11 Springs

AP



196
6" brn l
red brn scl
1mebk
2.5' brn sl
Saprolite
6-7' brn micaceous
fel
11' brn micaceous
15 Saprolite
13.5'

193
8" brn l
red brn scl
1mebk
3' yellow
brn sl
Saprolite
5' micaceous
brn fel
8-9' brn
v fel
10' brn
Saprolite
10% rx
13.5'

190
6" brn l
brn
ch scl
1mebk
5.5' brn sl
Saprolite
8' brn fel
Saprolite
11' brn ch ls
23-25% rx
14'

188
6" l
1febK
10"
red brn
ch scl
2mscl
4-4.5'
yellow brn
micaceous
sl
6'-7'
yellow
fel 15% rx
11.5'
beige
ch ls
13'

185
6" l
1febK
1"
red brn
ch scl
1mebk
4.5-5'
micaceous
red sl
7.5'
yellow
ch fel
10'
red brn
ch ls
13'

204A
6" brn l
10"
yellow
scl
1mebk
yellow
sl
3-3.5'
beige
micaceous
fel
Saprolite
9-10'
beige
15-15% rx
13.5'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/27/13	196	4' / 13.5'	10:14 ¹⁷	10:16 ²²	10:19 ⁵⁷	3	P
	193	4.5' / 13.5'	10:22	10:25	10:28	3	P
	190	6' / 14'	10:37	10:39	10:42	3	P
	188	4' 8" / 13'	10:48 ⁰⁰	10:50 ³⁵	10:54	4	P
	185	5' / 13'	10:57	10:59	11:03	4	P
	204A	4.5' / 13.5'	11:11	11:15	11:20	5	P

REMARKS Diehl Property Lot 11 / Lot 7 / Lot 4
 SANITARIAN HS / RA BACKHOE Chuck OTHERS Jeremy
 TEST HOLES USED IN SDA 204A AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

Lots 4 & 5

200-A

192-A

1 dk brn L, few channers
to brn L, 2csbk

2 brn cl
2csbk, mica

3.3 brn L com. mica
2csbk to 1msbk

6' brn fsl, 1 vcp l
many mica

10' brn & lt grey ls
2cpl & 2p (blk)

200

0.4 dk brn

1.5 brn L, 2csbk

brn sl, 1csbk
many mica

2.2 brn fsl, many mica
to yel-red sl
1fsbk

3' brn & pale brn
lfs, many mica

11' yel-red
& pale brn
lfs, 1cpl

197

0.6 dk grey-brn L
to dk brn L

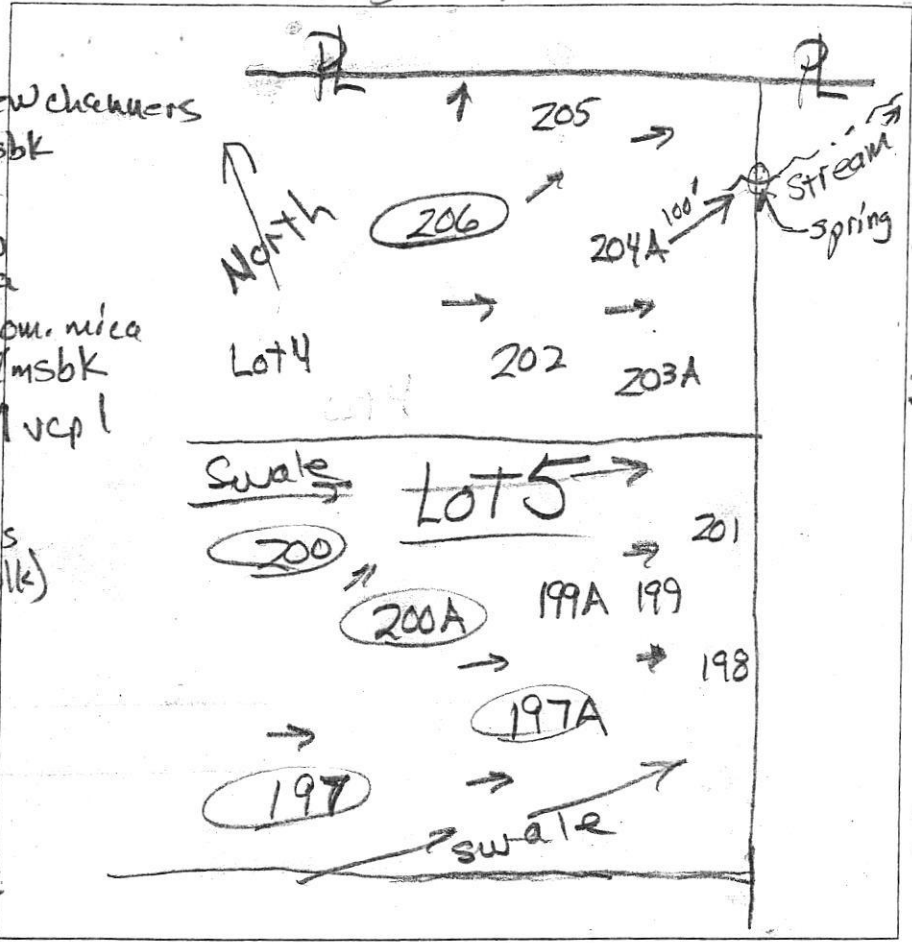
brn cl
2csbk

brn L, 2csbk
common mica

13' brn & red sl
& sg, few stones

2' yel-red
& brn lfs
1mpl

3.5' brn & yel lfs, many mica
11' brn & yel lfs, many mica / brn, pale brn & yel-red ls 13' 2mpl



0.4 dk. grey-brn L, 10% channer.

0.9 brn cl
2csbk

1.4 brn L, 1msbk

2.2 red, lt. grey
& brn sl
1fsbk

12.2' brn & yellow
ls, many
mica

200

dk grey-brn L top
brn cl
com. mica
2csbk

1.9' brn L, 1csbk
few stones

3' brn fsl
& brn & yel fsl
many mica

3.5' brn & pale brn
lfs, many mica

11.5' brn & dk brn
ls saprolite
10% wk cem.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/19/13	200-A	4.1' / 12.2'	2:31	2:33	2:38	5	P
12/19/13	197-A	5' / 10'	2:37	2:40	2:45	5	P
12/19/13	206	5.5' / 12.8'	3:03	3:05	3:09	4	P
12/19/13	197	5' / 13'	3:50	3:52	3:56	4	P
12/19/13	200	5.4' / 11.5'	3:36	3:38	3:41	3	P

REMARKS #206 is Lot 4*

SANITARIAN P Bricker BACKHOE Chuck Zapp OTHERS Jeremy Rutter

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

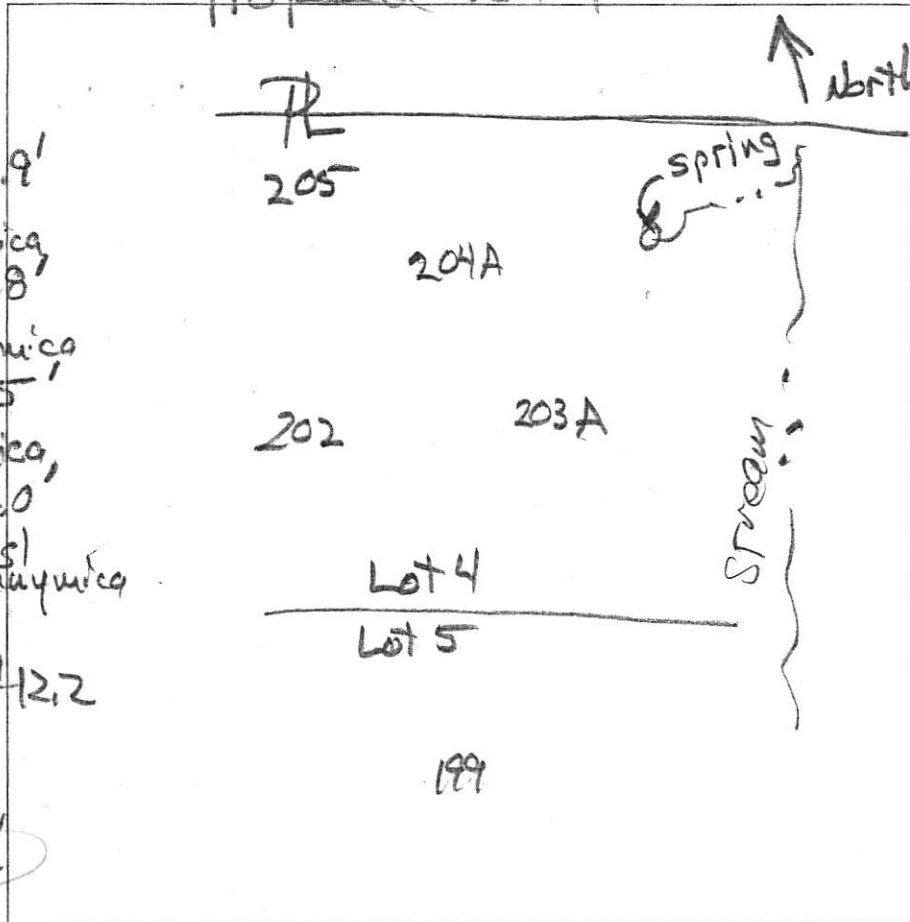
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Proposed Lot 4

A/P

205

dk brn to brn L 0.9'
 yel-red cl many fine mica
 1.8'
 brn L many fine mica
 2.5'
 yel brn sl, many mica, 3.0'
 yel-brn & grey-brn sl many mica
 16.8'
 brn sl few stones many mica
 12.2'



202

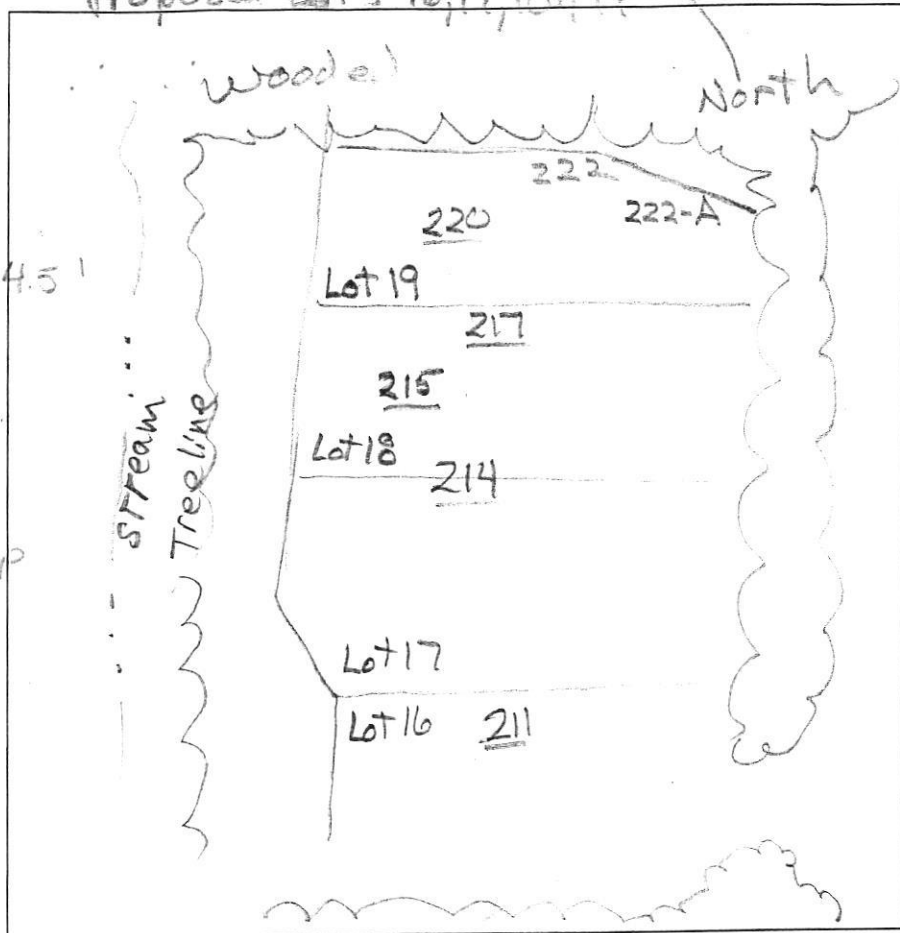
dk brn L to brn L 1.2'
 brn fst many fine mica

11'
 yel-red & yel-brn L
 1 m pl
 m7 p (pale yellow)
 m7 p (blk) 14.5'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
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REMARKS _____
 SANITARIAN RB/HS BACKHOE Chuck Zapp OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Proposed Lots 16, 17, 18 & 19



214
cave in @ 1.5'
H₂O @ 5'
coming in
cave in @ 4'
gray mottled cl/sil 7'

211
cave in @ 3.5'
white sil / spill side
H₂O @ 6'
7'

203 A
brn sil 10"
brn sil H₂O 3'
yellow cl saprolite 2.5'
yellow fsil 20% rx 9'
yellow ch + fel ↓ flls 10' refusal

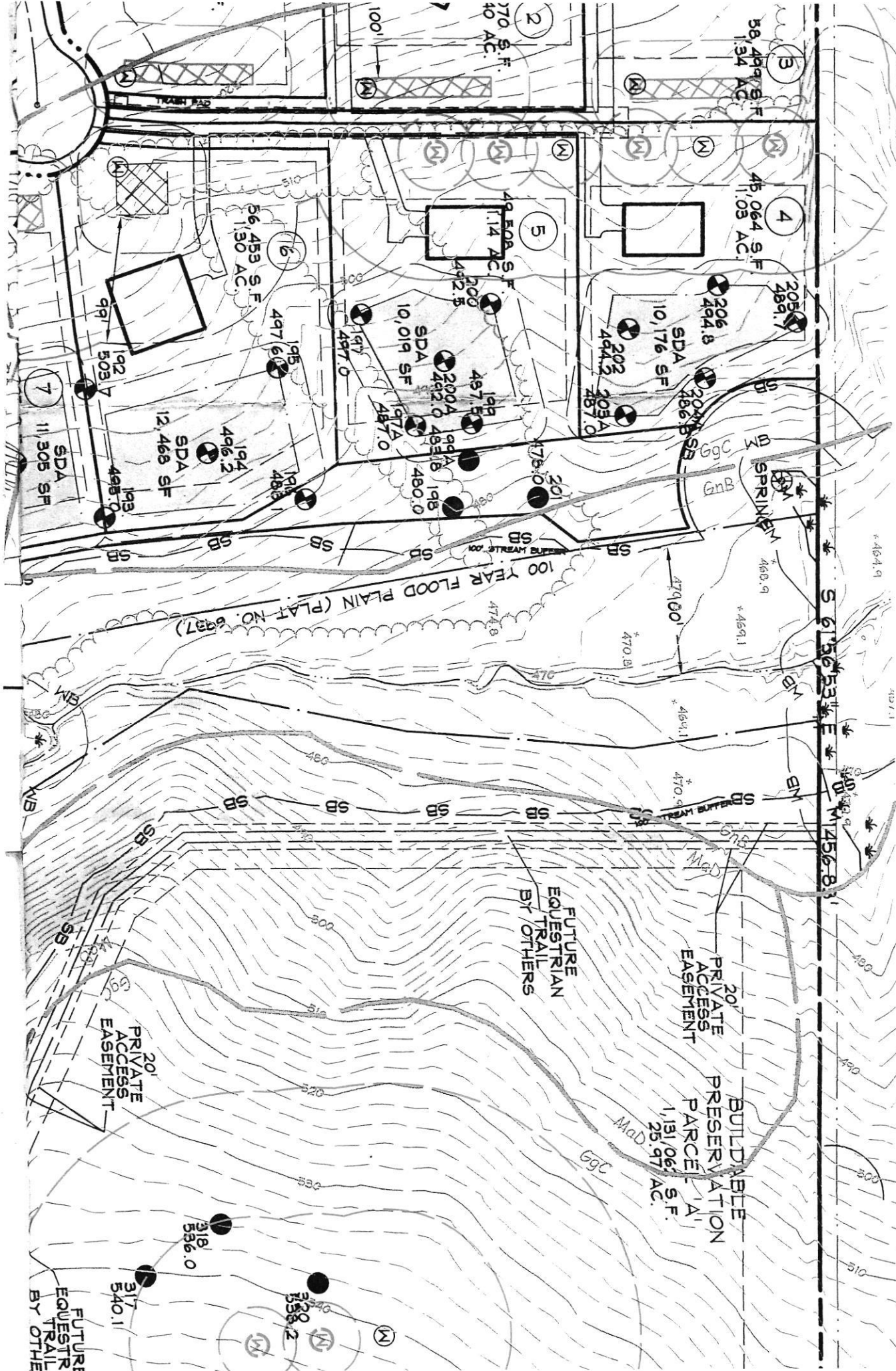
AP _____
220
brn e
10'
Yellow sil 1.5' bk
cave in @ 4.5'
5.5'
Yellow sil
8'
moist brn micaceous sil w/ 9.5' seep
10'
mottles
13'
gray sil H₂O

217
red brn sil 1.5' bk
3-3.5'
brn sil tan mica
5'
brn fsil w/ mottles
10'
man. mic. cave in @ 9.1'
gray sil micaceous

215
Yellow sil
5.5'
yellow sil / mica
H₂O

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/27/13	220	5' / 12'	2:37	pulled @	3:03		F
	217	4.5' / 12.5'	2:48	2:56	3:09	13	P
	215	6'	VISUAL				F
	214	7'	VISUAL				F
	211	7'	VISUAL				F
	203A	3' 8" / 10'	3:55	4:01	4:08	7	P

REMARKS Lot 19/18 Dehi Prop. & Lot 4 (203-A)
SANITARIAN HS / RR BACKHOE Chuck Lepp OTHERS Jeremy
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



- LOT 8 HO-17-0253
- LOT 9 HO-17-0254
- LOT 10 HO-17-0255
- LOT 11 HO-17-0256
- LOT 12 HO-17-0029

100 YEAR FLOOD PLAN (PLAT NO. 6937)

FUTURE
EQUESTRIAN
TRAIL
BY OTHERS

PRIVATE
ACCESS
EASEMENT

BUILDABLE
PARCEL 'A'
1,191,066 S.F.
25.97 AC.

PRIVATE
ACCESS
EASEMENT

FUTURE
EQUESTRIAN
TRAIL
BY OTHERS



Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
 www.hchealth.org
 Facebook: www.facebook.com/hocohealth
 Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: High Stepper Trail

Subdivision: Walker Meadows Lot: 4

Initial system: Application rate: 1.2 Effective area beginning depth: 2 Bottom maximum depth: 6
 1st Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 7
 2nd Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 7

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

~~DAT~~ not req
3/9/2020

Approved: RBucher Date: 12/14/2018