

DATE: June 4, 2019

TO: Kent Sheubrooks
Department of Planning and Zoning

FROM: Robert Bricker, Environmental Sanitarian II
Howard County Bureau of Environmental Health, Well and Septic Program

RE: F-18-086, Percolation Certification Plan redline
Title: Willowshire

The proposed redline of the Percolation Certification Plan associated with subdivision proposal F-18-086, and submitted on June 4, cannot be approved by the Health Department.

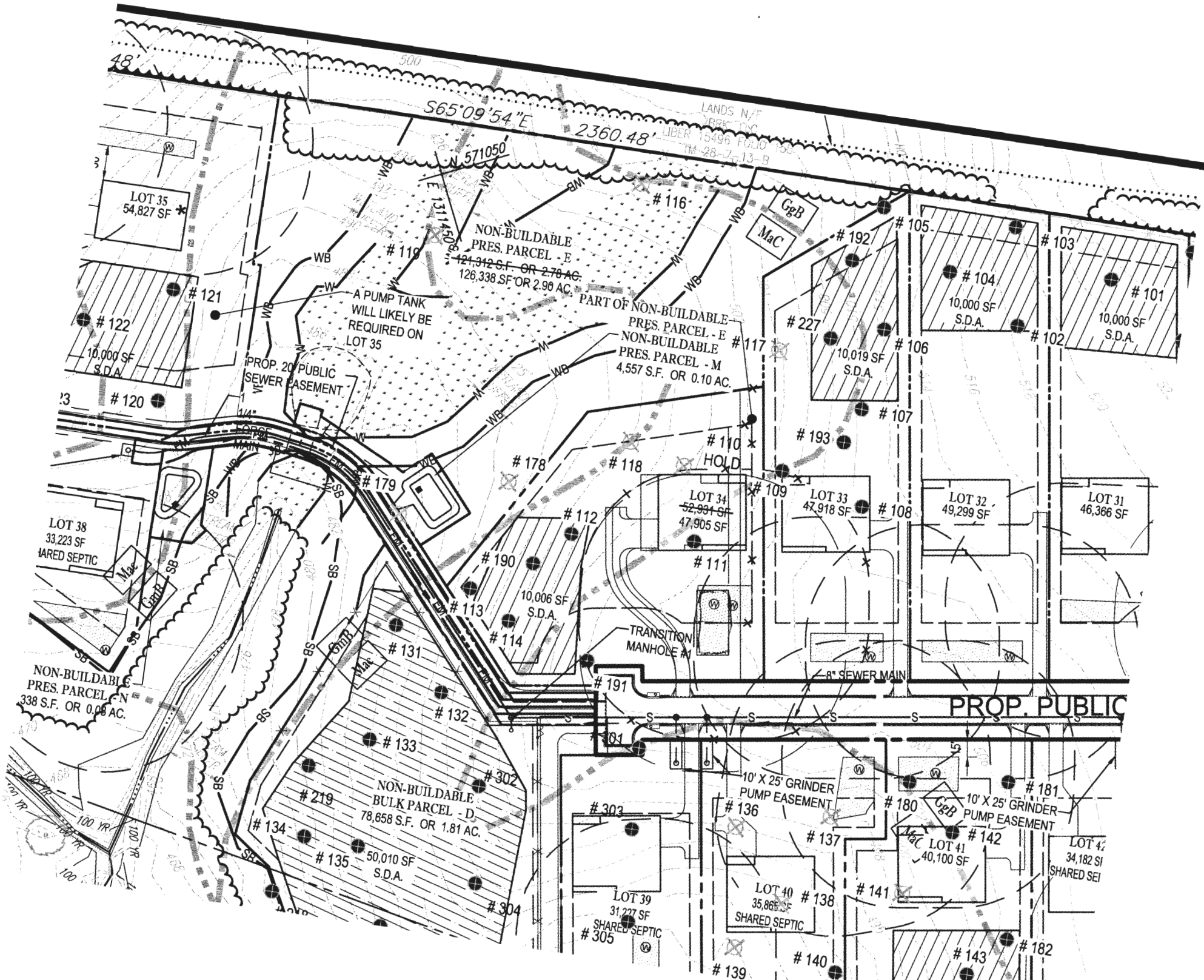
The proposed re-configuration of the well zone on Lot 34 causes an encroachment on the 100-ft setback between the re-configured well zone and the grinder pump pits on Lots 39 and 40, respectively.

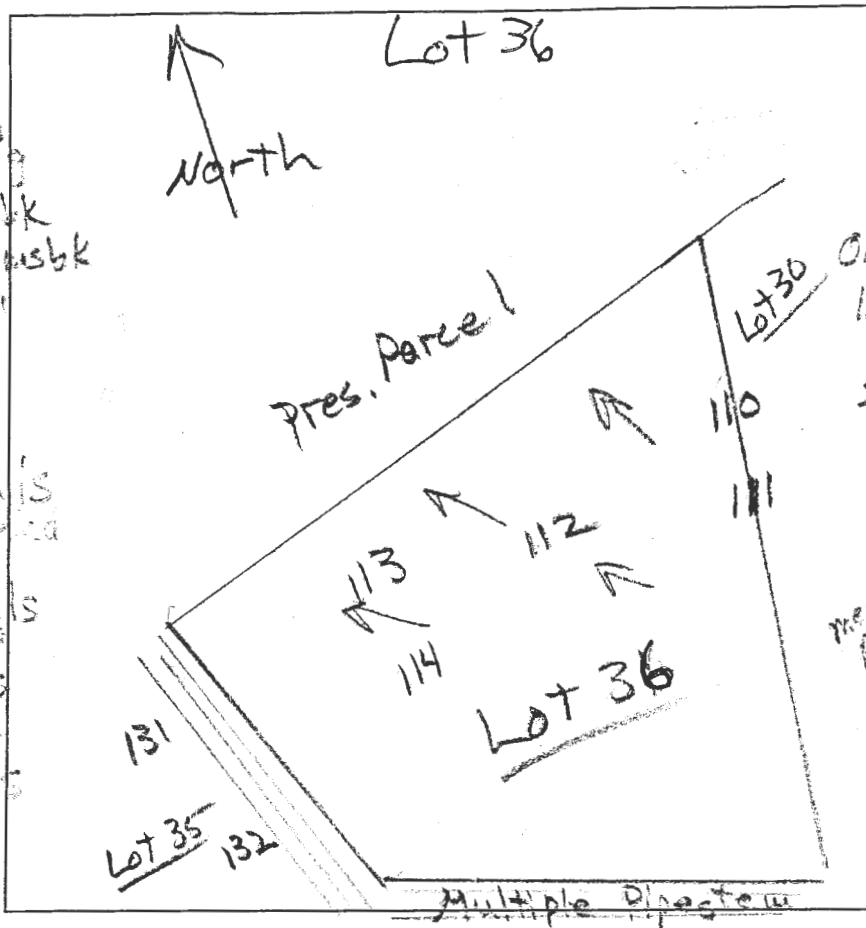
Furthermore, wells are currently being installed at previously approved locations on lots in the Willowshire subdivision. Should any adjustment of previously approved well zones, discrete wells' locations, or lot lines result in a well installation being within 10 feet of the resulting lot boundary, or on another lot or parcel, that well shall be sealed prior to Health Department approval of any subsequent subdivision plat.

Questions related to this comment may be directed to myself, Robert Bricker, via email, rbricker@howardcountymd.gov , or by calling (410)313-2691.

RB

COPY: Brandon Rowe, P.E., Bohler Engineering
Chrissie Evans, Bohler Engineering
Taylor Gelinias, Bohler Engineering
Jeffrey Williams, Supervisor, Well and Septic Program
file





112
dk brns, 14
brn sl, 14
brn chls, 14
many mica
1.7
yel-red
dk brn chls
many mica
28
pale brn ls
many mica
5
pale brn chls
8
yel-red chls
many mica
10
yel-red ls
many mica
11
R

113
dk brn sl
2-3
dk brn sl, 2-3
brn l, 2-3
pale br
2-3
yel-red
pale br
7
yel-red
grey sl
many mica
and mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/6/14	112	11'	Visual	side wall	1.29	1.17	7P
11/6/14	114	3.7' / 14'	3:50	3:52	3:55	3	P
11/6/14	113	4.3' / 12'	4:04	4:07	4:14	7	P

114
dk brn l, 2-3
brn l, 2-3
brn l, 2-3
brn l, 2-3
brn l, 2-3
pale brn
ls, many mica
grey-brn
chls

REMARKS _____

SANITARIAN R Bricker BACKHOE Hotfields OTHERS Art Leonard

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

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

Lot 31

* water dk grey-brn, pale yellow & red-yellow chls, thick platy

Simpson Property

AP

192

dk brn
2f sbk

brn chl

2f sbk

0.8 yel-red

2f sbk, ss

few channels

& angular cobbles

2.5 yel-red col

2f sbk, ss

few mica

3.5 yel-red, brn

& pale brn sl

many fine mica

4 red-vel & brn

ls, thin platy

many coarse mica

8 sidewall yel-red

& gray-brn

covered in

chls & mica

9.5 water level

190

dk brn fsl

2f sbk

0.2 brn & pale brn

sl, thin platy

brn fsl

to pale brn fsl

thick platy

1.5 pale brn

& red-yel

fsl, thick platy

2 pale brn &

pale yellow

ls, thick platy

many fine mica

plates dip near vertical

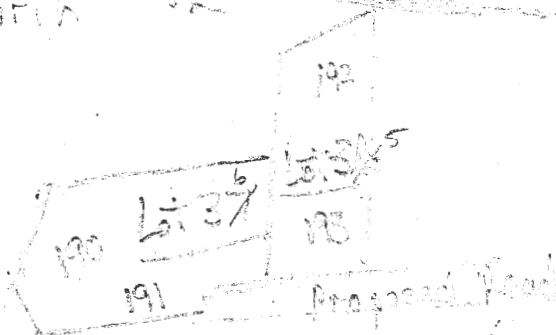
9.7 water

many fine mica

through profile



North



193

dk brn sl

2f sbk

brn sl

1f sbk

1.5 yel-red sl

thick platy

4.2 red-yel & pale yellow

ls, thick platy

8.5 pale yellow

ls, thick platy

common

black-coated

fine channels

11.3 water

191

dk brn fsl

2f sbk

0.2 brn & yel-red

fsl, 2f sbk

0.7 h. brn & yel-red

fsl, thick platy

to 2-inch

layer red-yel fsl

at boundary

3.8 pale brn &

pale yellow ls

thick platy

13.3

many fine mica

through profile

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/8/15	192	4' 8"	12:05	12:07	12:10	3	P
7/8/15	193	3.5' 11"	12:26	12:35	12:44	9	P
7/8/15	190	4' 4.0"	12:53	12:55	12:59	4	P
7/8/15	191	4.7' 3.3"	1:10	1:13	1:16	3	P

REMARKS

SANITARIAN

R Bricker

BACKHOE

Hatfield's

OTHERS

Art Leonard

TEST HOLES USED IN SDA

Donnie & Perlin

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW

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

Lots 35 & 36

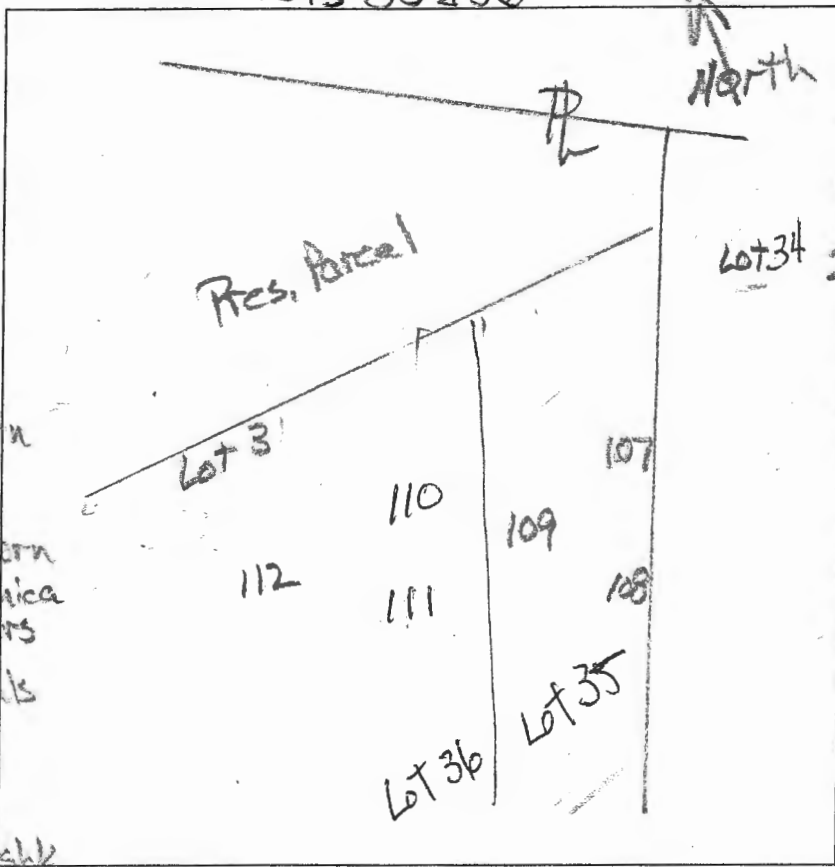
AP

North

(107)
dk brn L
2 fsbk
0.2' brn chl
2 fsbk
1.1' red & brn L
1 msbk, ss
3.8' red & yel-brn
1.1' 1st medium
platy
5.5' red & pale brn
1 fs many mica
few channers
11' grey-brn chls
many mica
13'

(108)
dk brn L, 2 fsbk
to 2 fsbk
0.8' brn L
2 fsbk
1.9' brn sl, 1 msbk
common mica
2.5' red & brn
1 fs, many mica
8' brn chls
+ 10% flags
13.5' common mica

(109)
dk brn sl, 2 fsbk
to 7 fsbk
0.8' brn sl, 1 msbk
common mica
to many mica
3' red & yellow
sil, few
channers
6.6' grey-brn
& grey chls
many mica
12.5' water



(110)
dk grey-brn
0m to
2 fsbk
1' brn L, 3 msbk
1.8' red & brn
2 sh, 2 msbk
2.6' brn ch sil
few mica
5' relict platy
9' brn, yellow
& red sil
olive & yel-red
5' many
pined v. mica
10.5' water

(111)
dk brn L
2 fsbk to 2 fsbk
0.6' brn sil
3 csbk common
mica
2.5' dk brn, red
& yellow chsil
4.8' H. red, red
& pale brn
chsil, many
fine
& v. fine mica
10-12%
micaceous
channers
14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/5/14	107	5' / 13'	2:21	2:35	2:55	20	P
11/5/14	107	13'	Visual		5.5' / 12.5' / 14'	8'	P
11/5/14	108	3.8' / 13.5'	2:53	2:55	2:59	4	P
11/5/14	109	7.5' / 12.5'	3:10	3:13	3:17	4	P
11/5/14	110	6.5' / 10.5'	3:26	3:29	3:32	3	H
11/5/14	111	7.4' / 14'	3:45	3:48	3:55	7	P

REMARKS

Hold # 110, see layer 8'-10.5'

SANITARIAN

Backhoe

BACKHOE

Pat Fields (owner)

OTHERS

Brave

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE S/W

Lot 30