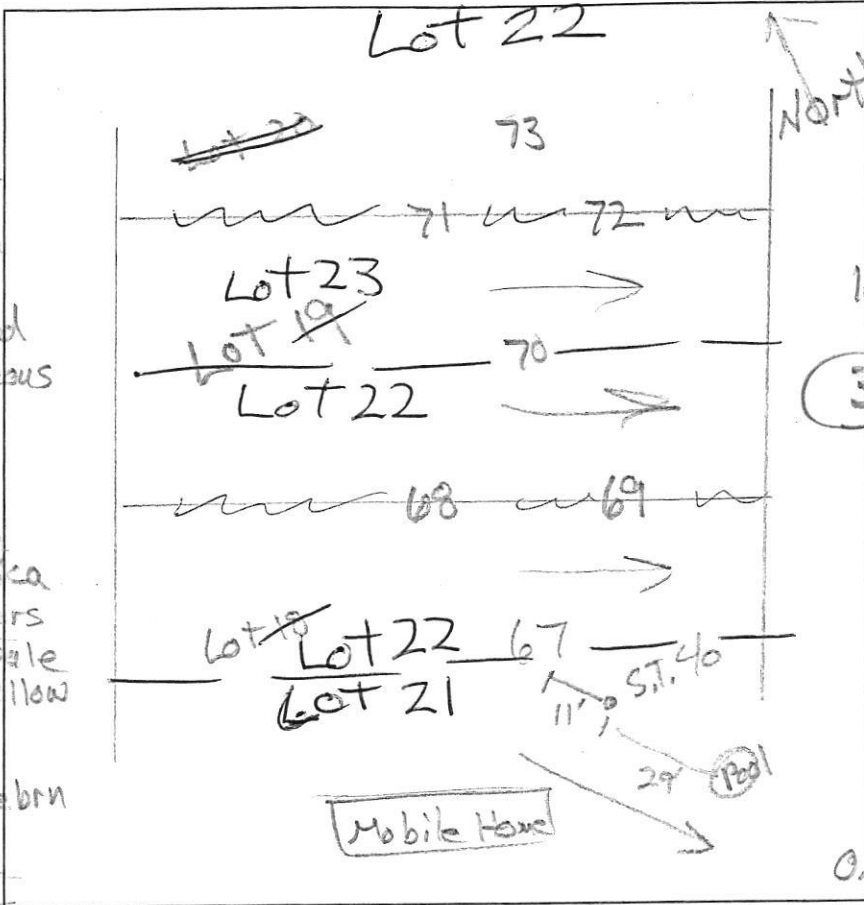


Lot 22

North



67

0.7' dk brn L, 2fg
brn L, 1msbk
yel-red sl
1fsbk common mica
6.1' brn & yel-red
chls, micaceous
2.1' pale brn ls
1msbk many mica
2.8' yel-red & brn
ls, many mica
10% channers
4' pale brn & pale
yellow
15, many mica
12' yel-red & pale brn
ls, blocky
many mica
14.5'

70
dk brn L
3vlsbk
1' to brn L, 2fsbk
yel-red ls
2msbk
1.6' yel-brn fs
1fsbk
3.5' yel-red, pale
brn
& pale yellow
10% common
mica
2.2' pale brn ls
many mica
15' 2d (dk. brn)

68

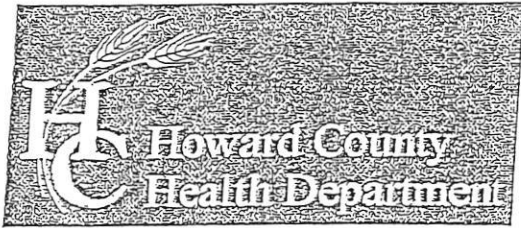
0.3' dk brn L
1fs to 2fsbk
yel-red sl
fsbk, heavy
2' brn vels
thin platy
2.6' yel-red ls
common mica
3.5' pale brn
and pale yellow
ls, common
mica
13.5' 71
0.3' dk brn L, 2fsbk
1.5' yel-red sl, 2msbk
2.7' lt. brn ls, 2csbk
many mica
4.5' lt. brn vels
many mica
pale brn &
pale yellow
ls, common
13'

69

8.9' brn sl, 1fsbk
yel-red sl
2msbk (heavy)
1.5' lt. brn ls
1csbk common mica
3.5' brn ls, many mica
10' 0m
yel-red & pale
brn
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/23/14	67	4.3' / 14.5'	2:18	2:20	2:23	3	P
10/23/14	69	4' / 13'	2:41	2:43	2:46	3	P
10/23/14	70	4' / 15'	2:54	2:56	2:59	3	P
10/23/14	68	4.3' / 13.5'	3:11	3:13	3:16	3	P
10/23/14	71	4.5' / 13'	3:24	3:26	3:29	3	P

REMARKS #69 next to trench (dry)
 SANITARIAN Bricker BACKHOE Hoffeld's (Donnie) OTHERS R. Rowe
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Simpson & Deneault Properties Lot: 19

67,70 Initial system: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 8
 70,69 1st Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 8
 69,194 2nd Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 8

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:

Approved: R Bricker

Date: 2/12/2018