

Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Simpson & Denault Properties Lot: 31

<u>100,101</u>	Initial system:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>3</u>	Bottom maximum depth: <u>7</u>
<u>99,101</u>	1 st Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>3</u>	Bottom maximum depth: <u>7</u>
<u>101,102</u>	2 nd Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>7</u>

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:

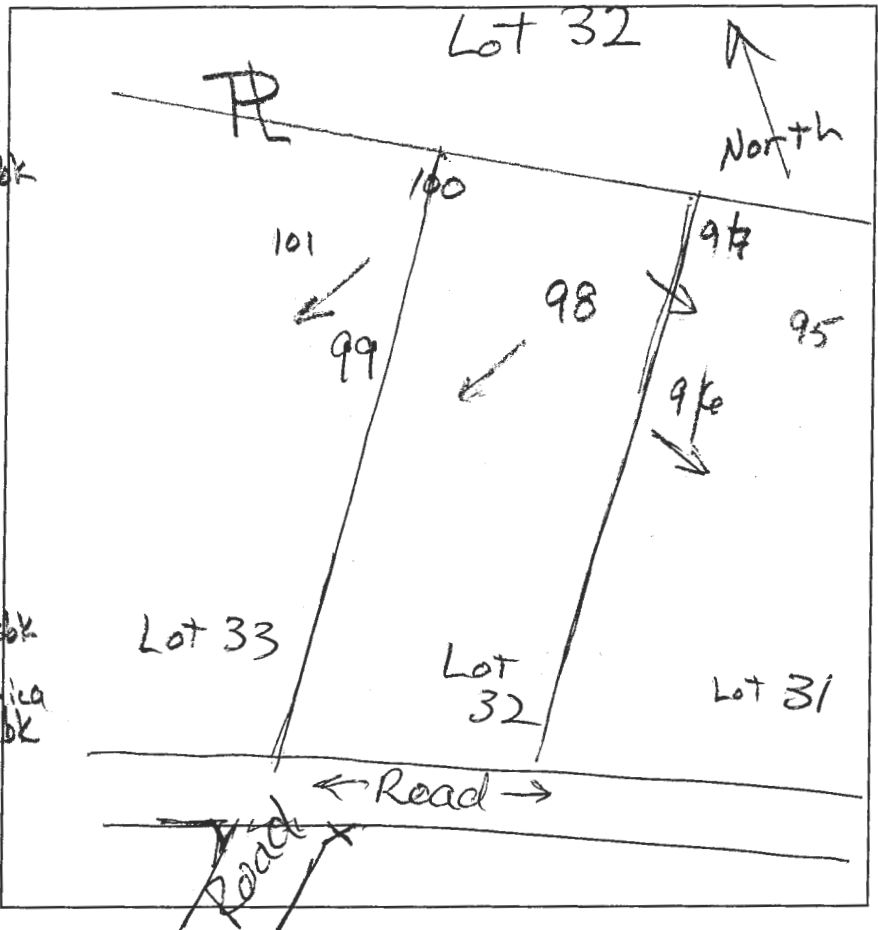
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula 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:

BAT & LPD (Pump/Pump Tank)

Approved: R. Bricker Date: 2/12/2018

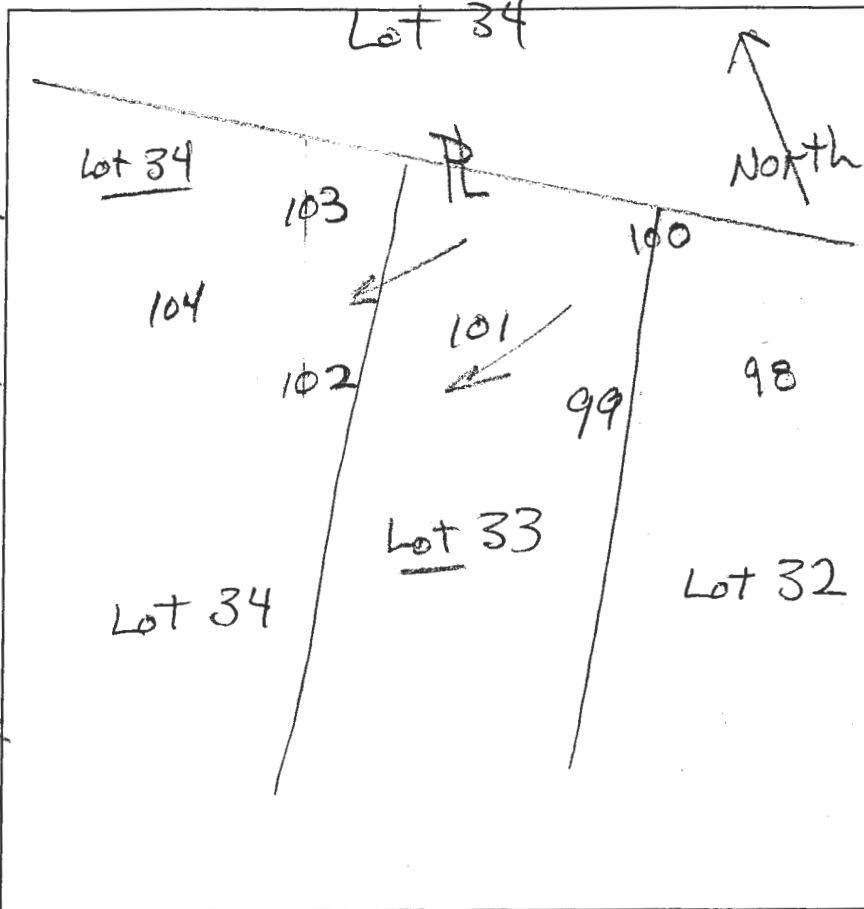
(98)
 0.5' dk brn sl 1fg
 yel-brn sl, 2fsbk
 to 1msbk
 2.1' redd yellow
 fs, common
 9.5' brn chls
 many mica
 13.7'
 (99)
 dk brn sl.
 2fsbk to 2fsbk
 0.6'
 brn sl few mica
 2msbk to 1msbk
 (2.2)
 red & brn fs
 thin platy
 3.8'
 red, pale brn
 & pale yellow
 ls, sm, many
 mica
 14'
 (100)
 dk. brn sl
 2fsbk to 2fsbk
 0.4'
 brn sl
 3fsbk to 2msbk
 (3)
 red & brn ls
 many mica
 6'
 red & brn
 fls, platy
 10'
 ln brn ls
 sm many mica



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/5/14	98	4.2' 13.7'	12:05	12:09	12:18	9	P
11/5/14	99	5' 14'	12:17	12:19	12:21	2	P
11/5/14	100	4.4' 14'	12:28	12:32	12:40	8	P

REMARKS _____
 SANITARIAN B. Bricker BACKHOE Hatfields (Dennis) OTHERS B. Row
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Lot 27



(101)
 dk brn sl
 2' sbk
 0.5' brn sl, 2' sbk
 23' to 1' msbk
 red sl, @m
 2.8' red, pale brn
 & black, 1/2
 many mica
 11' brn chls
 many mica
 13'

(103)
 dk brn sl
 2' sbk to 2' sbk
 0.7' brn sl, 2' sbk
 2' brn & blk ls
 to yel-red ls
 @m, common
 mica
 3.5' grey-brn chls
 red loam (6.5')
 interlayered
 5.5' red & pale brn
 ls, @m, many
 mica
 10.5' brn chls, platy
 many mica
 14'

(102)
 dk brn sl
 2' sbk to 2' sbk
 2' brn L, 2' sbk
 2' yel-red, 1' msbk
 3' yel-red & yel-brn
 4.2' sl, medium platy
 yel-red & yel-brn
 ls, thin platy
 5.2' yel-red
 & pale brn ls, @m
 9.2' brn chls, platy
 many mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/5/14	101	5' / 13'	12:41	12:43	12:47	4	P
11/5/14	103	43' / 14'	12:54	12:57	1:02	5	P
11/5/14	102	13'	Visual	Side wall 1.2 gpd / ft ²	5.2' - 8'		P

REMARKS
 SANITARIAN R. Rickar 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 S/W _____

Lot 28

13'