

**121**  
 dk brn L  
 2fg to 2fsbk  
 0.7' brn L  
 2.2' 2msbk to 1msbk  
 3' brn fsl, 2msbk  
 pale brn to yel-red  
 10s, thin platy  
 4' brn lfs  
 1/2" med. medium platy  
 7.5' grey-brn chls  
 14.5'

**124**  
 dk brn fsl  
 0.8' 2fg to 2fsbk  
 1' brn fsl  
 2.3' medium platy  
 yel-red  
 pale brn  
 10s, many  
 1/2" med. medium platy  
 7.5' brn chls  
 10.5' brn chls  
 12' 35-40% rock

**120**  
 1' brn L 2msbk  
 1' brn L to 2fsbk  
 brn vch to  
 micaceous  
 thin platy  
 1.5' yellow, red  
 pale brn lfs  
 3.1' 2msbk  
 yel-red & pale brn  
 10s, many  
 mica  
 few channers  
 9.5' brn chls  
 13.3'

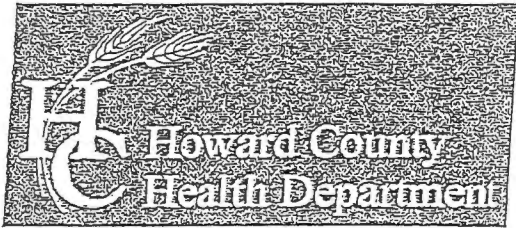
**123**  
 dk brn L  
 0.7' 2fg to 2fsbk  
 1' brn fsl  
 1' fsl, ss  
 2' 2d (61")  
 2' yel-brn chls  
 2.6' yel-red  
 pale brn lfs  
 many mica  
 7' yel-red &  
 brn chls  
 11' 35% channers  
 13.5' brn chls

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/7/14	121	4' / 14.5'	12:44	12:46	12:50	4	P
11/7/14	120	13.3'	Visual	Sidewall	1.2g	1.5-2	P
11/7/14	122	14'	Visual	Sidewall	1.2g	2.4-2	P
11/7/14	124	4.3' / 13.8'	12:55	12:57	1:00	3	P
11/7/14	123	3.8' / 13.5'	1:13	1:16	1:21	5	P

**122**  
 dk brn L  
 0.6' 2fg to 2fsbk  
 1.8' brn L, 2msbk  
 1' brn fsl, 1msbk  
 few mica  
 2.4' red & brn  
 chls  
 3.7' red & pale brn  
 10s, many  
 mica  
 7.5' brn & grey-brn  
 chls, many mica  
 14'

REMARKS  
 SANITARIAN R Bricker BACKHOE Hatfield's (Donnie) OTHERS Art Leonard  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

Lot 32



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SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: \_\_\_\_\_

Subdivision: Simpson & Renault Properties Lot: 35

<sup>122</sup> Initial system: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 6

<sup>122, 121</sup> 1<sup>st</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 6

<sup>121</sup> 2<sup>nd</sup> Replacement: Application rate: 1.2 Effective area beginning depth: 3 Bottom maximum depth: 6

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



