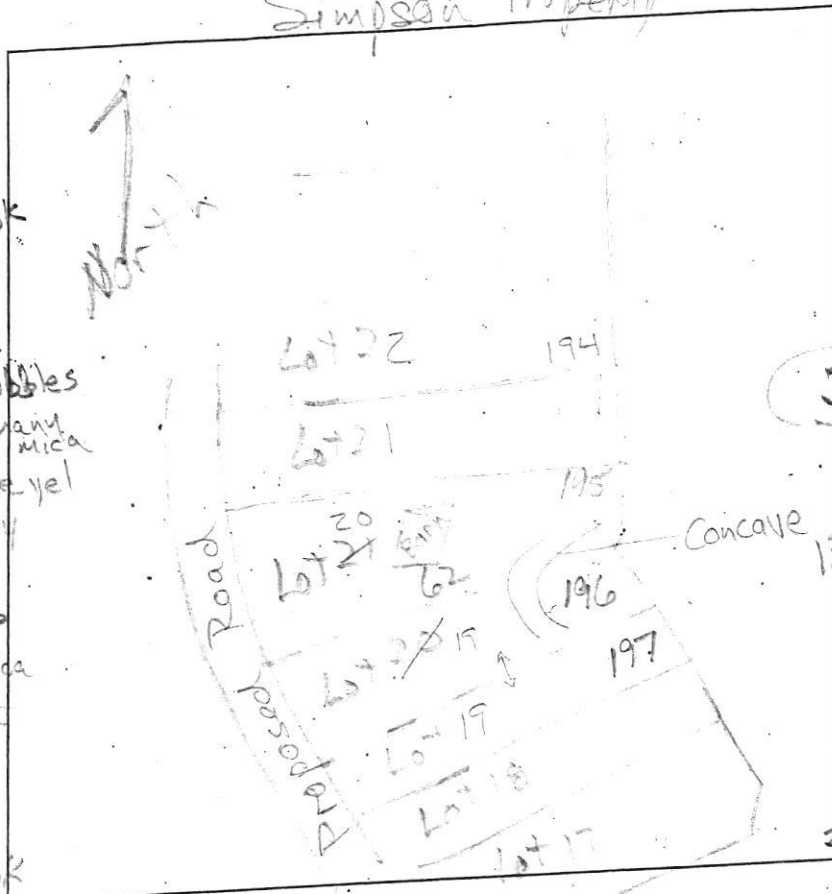


# Simpson Property



AP

195

0.7' dk brn s / 2 f sbk  
 1' brn sl / 1 f sbk  
 0.7' red-brn L  
 15' 2 f sbk  
 red-yel sl  
 few auger or cobbles  
 thick platy, many mica  
 5' yel-red & pale yel  
 ls, thick platy  
 many mica  
 8' pale brn chls  
 thick platy  
 many mica  
 13.7'

196

1' dk brn s / 2 f sbk  
 1' brn sl / 2 f sbk  
 23' brn L  
 2 f sbk  
 yel-red & brn  
 2' thick platy  
 ss  
 3.3' yel-red &  
 brn chsl  
 thick platy  
 4' yel-red & brn  
 sl, thick platy  
 common fine mica  
 6' yel-red stsl  
 7.9' yel-red ls  
 thick platy  
 many mica  
 9' yel-red & pale yellow  
 chls, platy  
 10.3' grey ls  
 thick platy  
 many mica  
 11.5'

194

0.7' dk brn L, 2 f sbk  
 1.8' brn L, 2 f sbk  
 red-brn L, 2 f sbk  
 zcsbk, few mica  
 yel-red  
 & lt. brn sl  
 thick platy  
 many mica  
 3.3' yel-red  
 & pale brn ls  
 thick platy  
 many mica

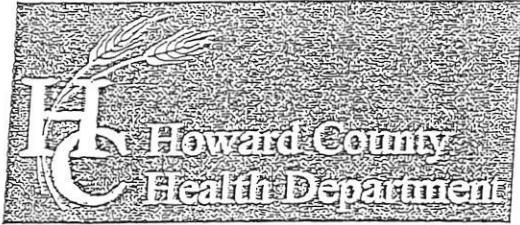
197

1' dk brn s, 2 f sbk  
 1' brn chsl, 2 f sbk  
 yel-red & brn L  
 2 f sbk, few mica  
 2.5' red-yel & yel-red  
 sl, thick platy  
 many fine mica  
 4.5' red-yel & pale brn  
 ls, thick platy  
 many mica  
 11.5' red-yel & grey  
 ls, saturated  
 thick platy  
 many mica  
 12' - cave-in  
 14' - water level

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/8/15	195	5.3 / 13.7	2:22	2:26	2:33	7	P
7/8/15	196	6 / 10.3	2:40	3:10 <sup>+</sup>			F
7/8/15	194	4.7 / 13	3:17	3:19	3:22	3	P
7/8/15	197	7 / 11.5	3:35	3:37	3:42	5	P

REMARKS #196 in concave and form.  
 SANITARIAN R. Bricker BACKHOE Hatfield's OTHERS Art Leonard  
 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 & Renault Properties Lot: 18

65	Initial system:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>3</u>	Bottom maximum depth: <u>8</u>
66	1 <sup>st</sup> Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>3.5</u>	Bottom maximum depth: <u>8</u>
195	2 <sup>nd</sup> Replacement:	Application rate: <u>1.2</u>	Effective area beginning depth: <u>5</u>	Bottom maximum depth: <u>8</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:

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