

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: 25

9,8 Initial system: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 8

8 1st Replacement: Application rate: 1.2 Effective area beginning depth: 3.5 Bottom maximum depth: 8

213,24th 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:

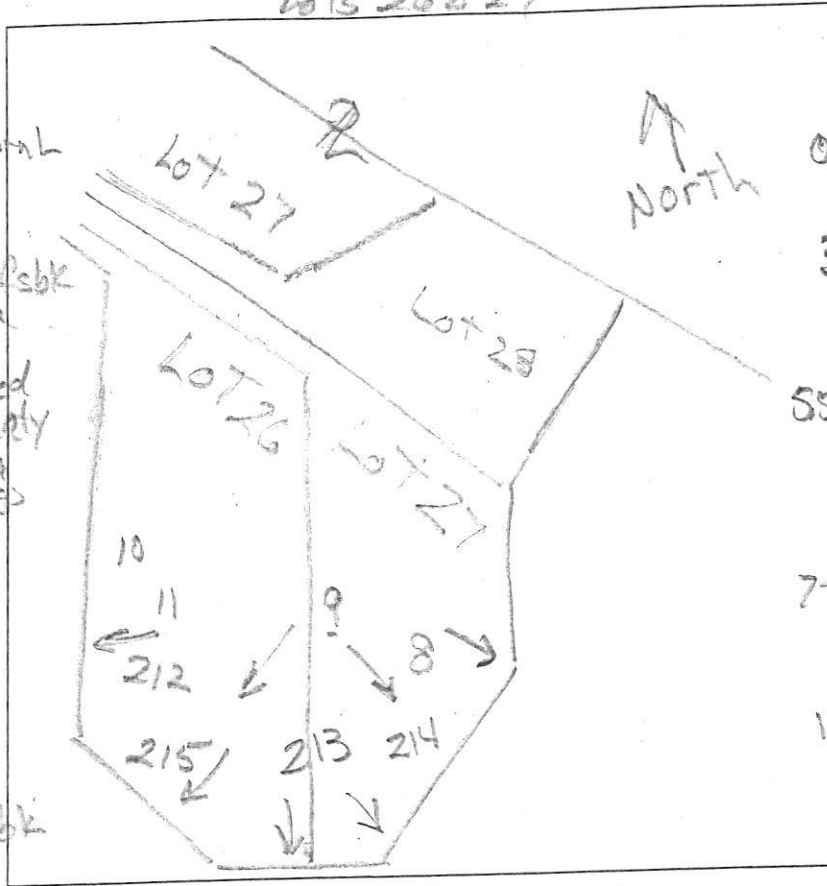
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula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

lots 26 & 27

A/P



212

213

0.5' dkbrn L to brn L, 2fsbk
 2' brn & yel-red L, 2fsbk to 9fsbk common mica ss
 1' brn & yel-red sl, thick platy common mica black coatings
 2.5' red-yellow dkbrn & blk. ls. mica thin platy
 13.8'

214

0.5' dkbrn L to brn L, 2fsbk
 6.8' brn L, 2msbk ss few mica
 2.8' yel-red & yel-brn sl, thick platy common mica
 7.5' red-yellow platy ls, thin platy few mica
 13' pale brn & red-yellow ls common mica
 few flags to 10% flags
 liner w/ depth

0.6' dkbrn L, 1fg
 3' brn L, 2fsbk
 55' brn & yel-red chsl, 3msbk
 7' brn, blk & yel-red v. flls, dense
 13' yel-red & pale brn chis. platy many mica
 pale brn chis many mica thick platy few flags

215

0.5' dkbrn sl to brn sl, 2fsbk common mica
 2.8' yel-brn & yel-red thick platy many mica
 4.5' pale brn & pale yel-red ls thick platy many mica
 13' pale brn ls, thick platy many mica few channels

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/23/15	213	4' / 13.8'	12:46	12:48	12:52	4	P
11/23/15	214	4.5' / 13'	12:59	1:04	1:12	7	P
11/23/15	212	5.2' / 13'	1:21	1:38	2:01	33	H ₂
11/23/15	212	13'	Visual	sd + wall	1:23	6.5-8	P
11/23/15	215	4.5' / 13'	1:40	1:43	1:48	5	P

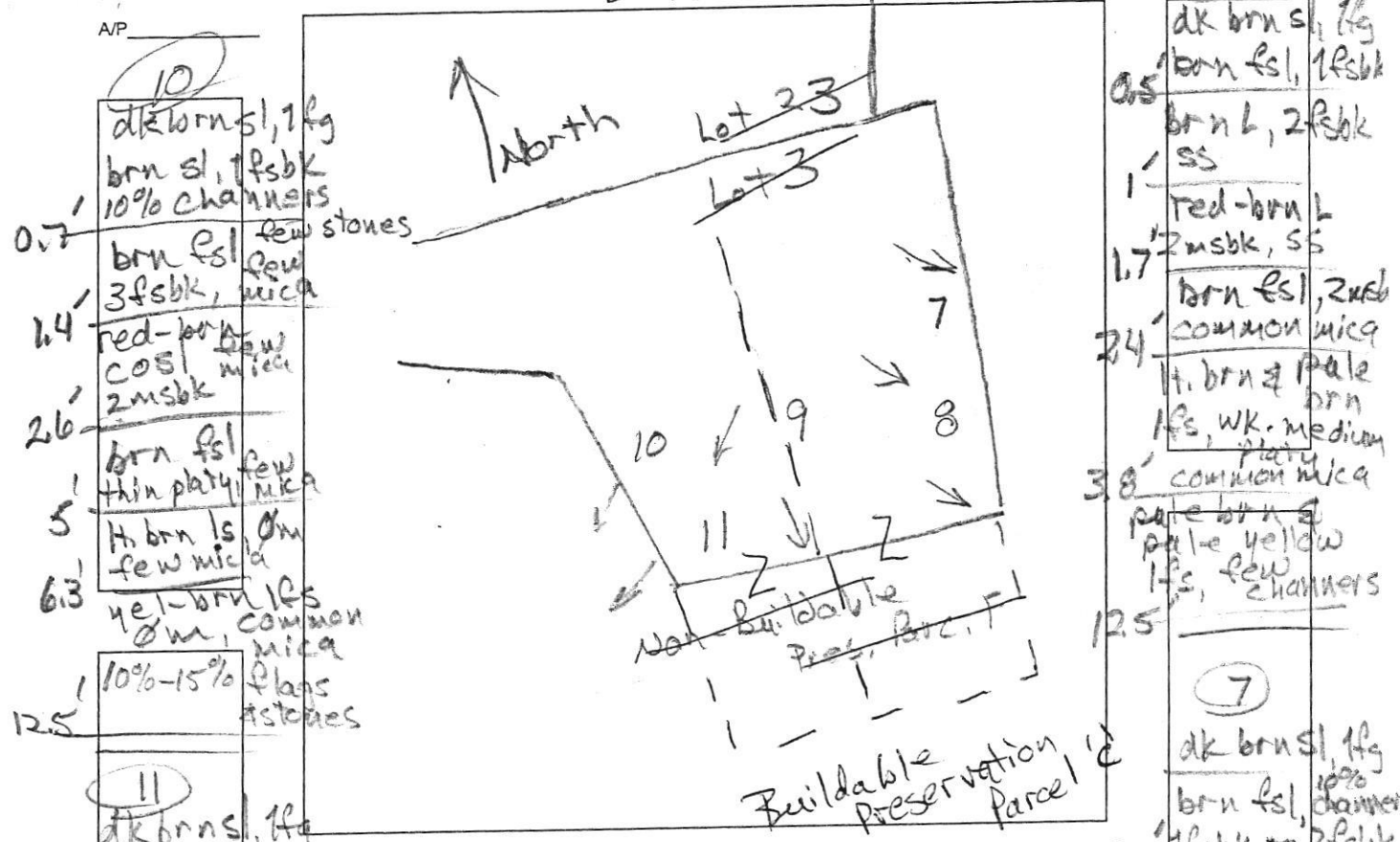
REMARKS _____

SANITARIAN R. Bricker BACKHOE Hatfield's Donnie OTHERS Jason Alexander Jacob Van Kirk

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

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

Lots 26 & 27



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/14/4	10	5.5' / 2.5'	9:40	9:45	9:58	13	P
11/14/4	11	5.3' / 10'	10:06	10:16	10:32	16	P
11/14/4	9	4.5' / 12.5'	10:27	10:29	10:32	3	P
11/14/4	8	4.3' / 12.5'	10:50	10:53	10:57	4	P
11/14/4	7	4.5' / 13.5'	11:05	11:07	11:10	3	P

REMARKS → indicates direction of runoff

SANITARIAN R Bricker BACKHOE Hot Fields (Dennis) OTHERS Art Leonard

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

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

12.5' wk. medium platy, common mica, few angular cobbles / 12.5'

Lot 3