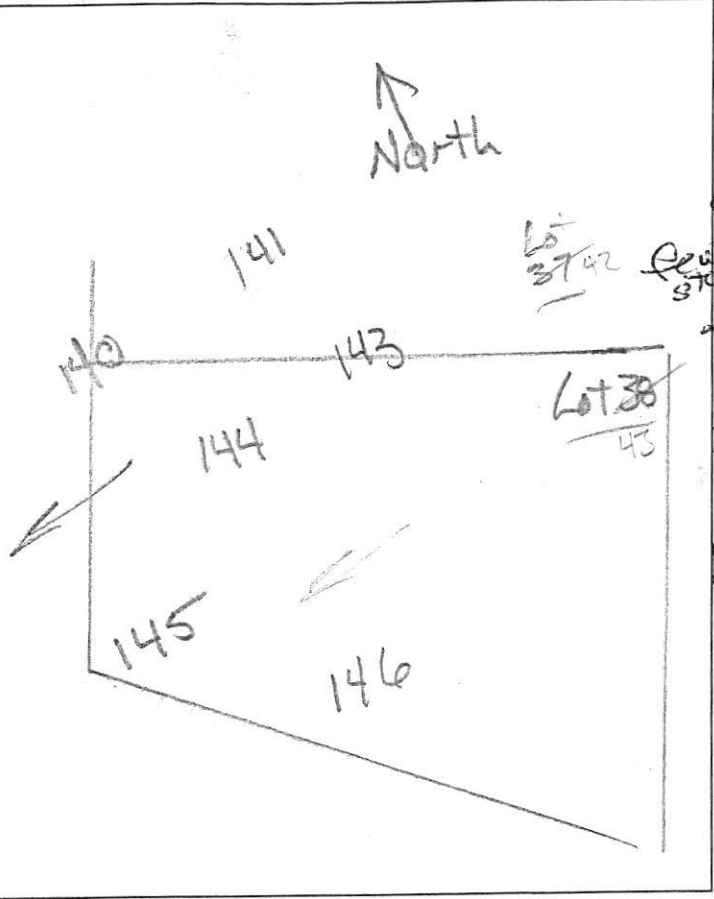


A.P.

144
 dk brn L
 brn L 2 f s b k
 brn L 2 f s b k
 1.7
 yel-red
 2.5
 2 brn L, 1 msbk
 brn sl, common mica
 & yel-red fs, dense
 5
 brn chls
 micaeous
 1
 pale brn
 chls, water



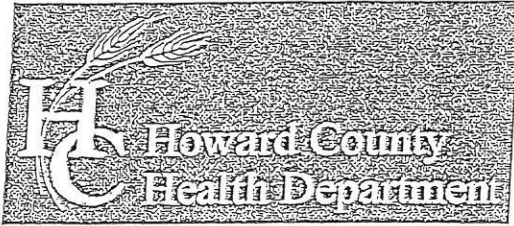
146
 dk brn L
 2 f s b k
 brn L
 2 f s b k
 0.8
 yel-red
 2.5
 2 msbk, ss
 to msbk
 brn ls, thin
 common mica, platy
 3
 brn & red
 ls, wk medium
 platy
 12
 grey-brn
 chls many
 mica
 14

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/6/14	144	5.5' / 12'	2:31	2:37	2:47	10	F
11/6/14	143	5' / 14'	2:48	2:50	2:53	3	P
11/6/14	146	3.7' / 14'	3:04	3:07	3:10	3	P

143
 dk brn sl
 2 lg
 brn sl
 2 f s b k
 0.8
 yel-red
 2 brn L
 2 msbk, ss
 few stones
 1.9
 yel-red
 1
 lt. brn ls, mica
 many mica
 2.5
 red & pale brn
 ls, mica (blk)
 few channers
 1
 2.5
 pale brn
 & pale yellow
 chls
 14

REMARKS _____
 SANITARIAN R Bricker BACKHOE Hatfield OTHERS Art Leonard
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

LOT 38



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: 41

182 Initial system: Application rate: 1.2 Effective area beginning depth: 2 Bottom maximum depth: 6
143 1st Replacement: Application rate: 1.2 Effective area beginning depth: 2 Bottom maximum depth: 6
144 2nd Replacement: Application rate: 0.8 Effective area beginning depth: 5 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:

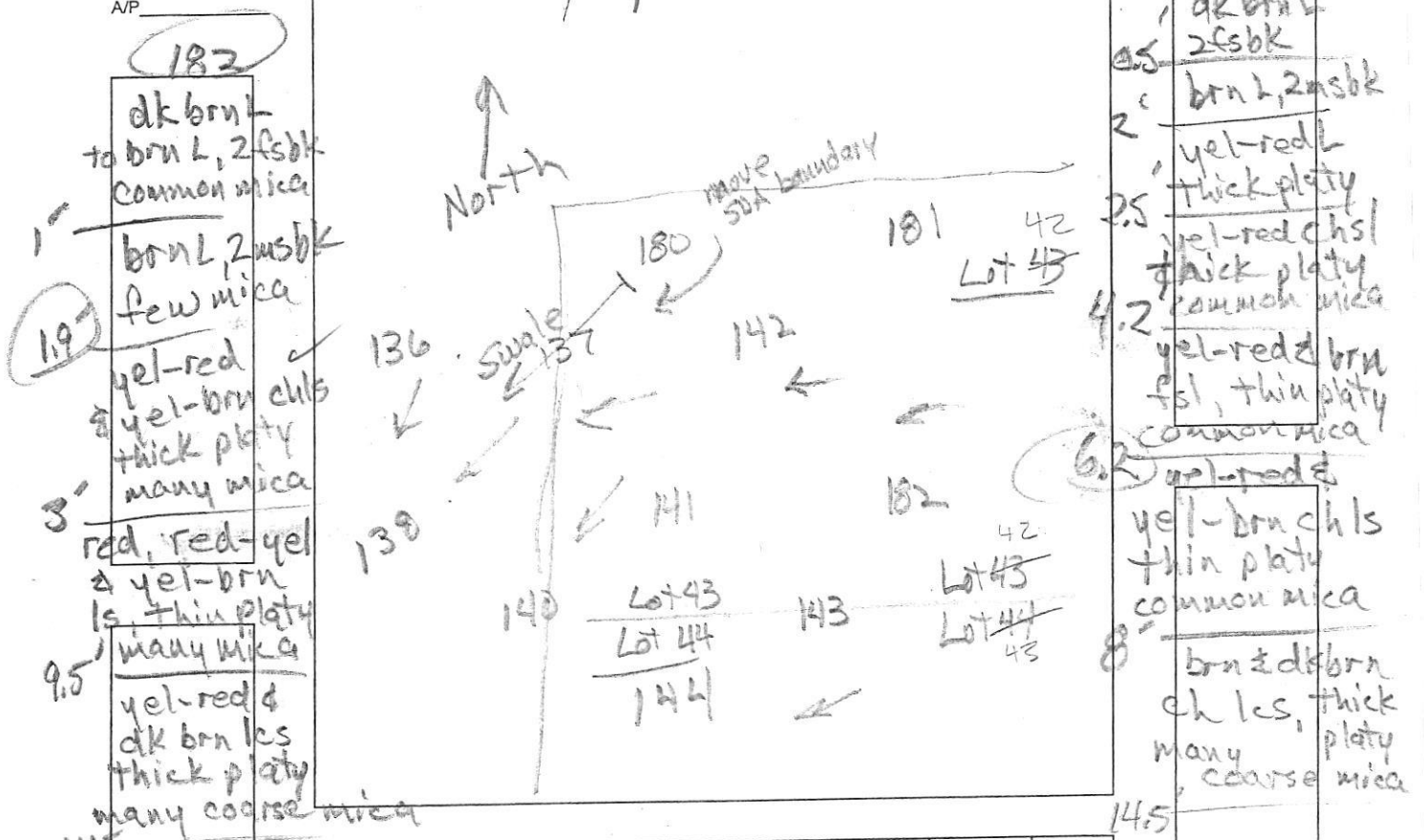
BAT & LPD (Pump / Pump Tank)

Approved: R. Bricker

Date: 2/12/2018

Proposed Lots 43 & 44

AP



182
 dk brn L
 to brn L, 2 fskb
 common mica
 1" brn L, 2msbk
 few mica
 1.9" yel-red
 & yel-brn chls
 thick platy
 many mica
 3" red, red-yel
 & yel-brn
 ls, thin platy
 many mica
 9.5" yel-red &
 dk brn ls
 thick platy
 many coarse mica
 14"

181
 dk brn L
 2 fskb
 2" brn L, 2msbk
 2.5" yel-red L
 thick platy
 yel-red chsl
 thick platy
 common mica
 4.2" yel-red & brn
 fsl, thin platy
 common mica
 6.2" yel-red &
 yel-brn chls
 thin platy
 common mica
 8" brn & dk brn
 ch ls, thick
 many platy
 coarse mica
 14.5"

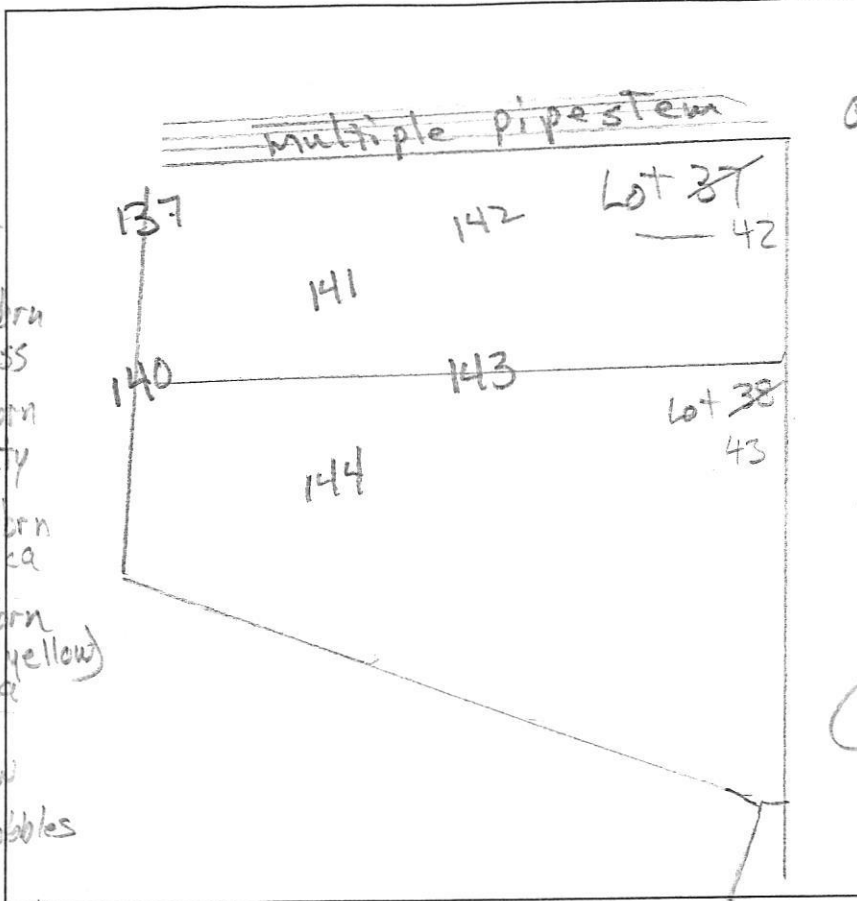
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/19/15	182	5'14"	12:27	12:29	12:31	3	P
3/19/15	180	7'8"/13'	12:53	1:18	1:49	31	P
3/19/15	181	6'8"/14.5'	1:17	1:20	1:26	6	P

180
 dk brn L
 2 fskb
 brn L,
 2 fskb - to
 3msbk to
 2msbk few mica
 3.2" brn L, ss
 thick platy
 common mica
 4.3" brn vcosl
 45% angular
 cobbles
 7" Om, ss
 yel-red & brn
 chsl, thin platy
 dense, ss
 2.8" grey, brn
 & yel-red ls
 thick platy, few mica
 13" water

REMARKS _____
 SANITARIAN R B Tucker BACKHOE Hattfields OTHERS Art Leonard
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P _____

142
 0.3' dk brn L
 2 ss to 2 sbsk
 0.7' brn L, am
 2 sbsk, ss
 2.1' yel-red & yel-brn
 L, 2msbk, ss
 4.5' yel-red & yel-brn
 L, medium platy
 5.3' yel-red & pale brn
 m 1st 2' (pale yellow)
 ss / few mica
 6.5' red, lt brn
 & pale yellow
 few
 ls, angular cobbles
 8' pale brn &
 pale yellow cols
 10.5' brn ls, Øm
 many mica
 14.5'



141
 0.7' dk brn L, 2 ss
 to brn L, 2msbk
 1.8' brn L, 3msbk
 2.8' yel-brn L
 2 ssbk
 red & pale brn
 L, 1 ssbk
 4' red & lt brn
 sl Øm, ss
 medium platy
 5.8' pale red, pale brn
 & pale yellow
 9' col sl
 brn & dk brn
 chls, many
 mica
 13.3' water
 grey-brn chls
 143

137
 0.2' dk brn L
 2msbk
 0.7' brn L, 2msbk
 1.5' brn L, 1msbk
 ss
 3.5' yel-red & brn
 col L, Øm, ss
 235% angular
 cobbles
 5' yel-red & yel-brn
 L, medium
 platy, ss
 9' red, yellow
 & lt brn sl
 Øm, c2f (pale yellow)
 common
 12.5' brn & grey-brn chls
 water
 pale brn & grey chls

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/6/14	142	6.4' / 14.5'	11:55	12:01	12:11	10	P
11/6/14	141	6.2' / 13'	12:22	12:44	1:19	35	F
11/6/14	137	6' / 12.5'	12:29	1:08	—	—	F

REMARKS _____
 SANITARIAN R Bricker BACKHOE Hartfield's OTHERS Art Leonard
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Lot 37

