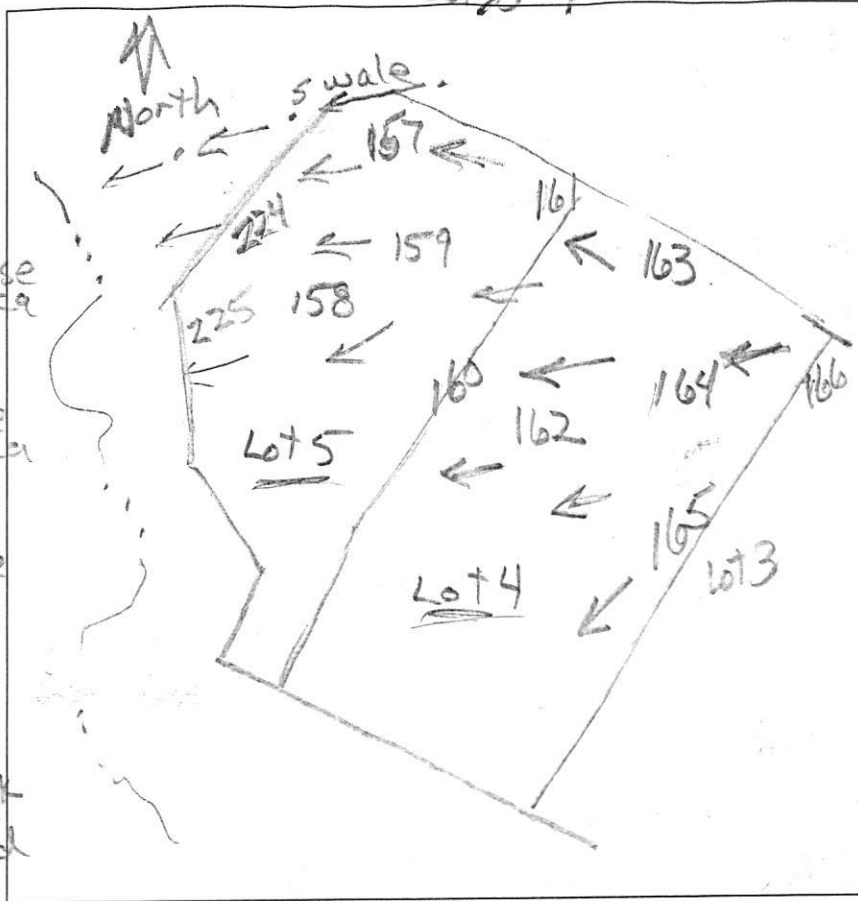


A/P

Lot 4



163
 dk brn sl
 brn sl
 2msbk
 common coarse mica
 0.9'
 brn ls
 thin platy
 many coarse mica
 2.4'
 variegated ls, many coarse mica
 thin platy
 11.5'

162
 dk brn sl
 brn sl, 2msbk
 0.7'
 brn & yel-red sl, 2msbk
 common mica
 3'
 brn & yel-red ls, thin platy
 many mica
 12'

164
 dk brn sl
 1.2'
 brn sl
 2msbk
 common mica
 2.6'
 brn ls
 thin platy
 3.5'

grey-brn ls, thin platy
 8'
 brn & yel-red chls
 12'

165
 dk brn sl
 brn sl
 2msbk
 1'
 yel-red sl
 thin platy
 clay shales
 1.9'
 SS
 yel-red sl
 thin platy
 4.7'
 brn & yel-red ls, thick
 platy
 many mica

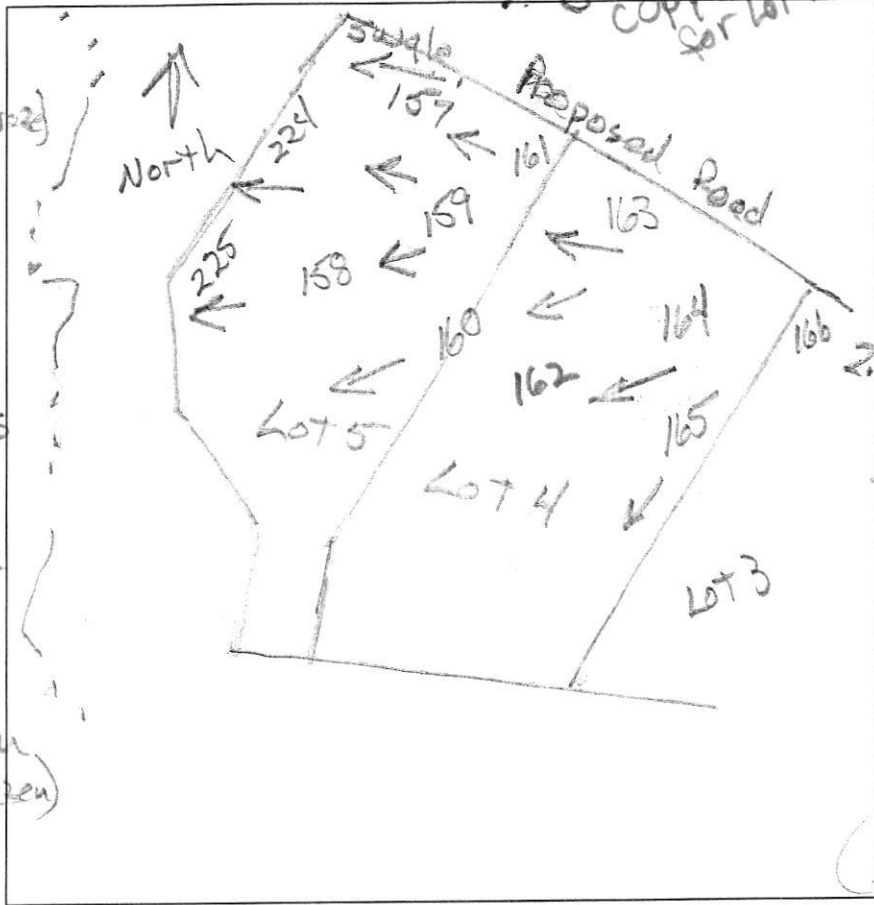
168
 dk brn
 brn
 2msbk
 1.8'
 brn sl
 2msbk
 2.3'
 yel-red sl, thin
 platy
 3.5'
 SS
 yel-red & brn sl
 thick platy
 4.3'
 grey brn ls, thick
 platy
 many mica
 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/3/15	163	3.7' / 11.5'	10:44	10:46	10:48	2	P
3/3/15	162	4.2' / 12'	11:40	11:42	11:46	4	P
3/3/15	164	3.7' / 12'	11:54	11:56	12:00	4	P
3/3/15	165	5' / 12.3'	12:10	12:14	12:20	6	P
3/3/15	168	5.6' / 11'	12:33	12:35	12:37	2	P

REMARKS _____
 SANITARIAN R. Bricker BACKHOE Donnie OTHERS Art
 TEST HOLES USED IN SDA Sarah Collins (Matt Fields) AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

A/P

Lot 4 & 5 COPY for Lot 4



157
0.4' dk L orsl (grey)
brn sl
2msbk
few mica
1.4' brn vchls
micaceous
2.2' grey-brn chls
micaceous
7' vchls
>> 50% rock

159
0.8' dk brn to brn
sl or L (broken)
brn sl
2msbk
many mica
1.5' brn sl
m
many mica
2.9' grey-brn
chls, many
mica
5.5' brown-brn
micaceous
chls, thick platy
7.3' grey-brn
fills

158
dk brn sl
brn sl 2msbk
many mica
brn & pale brn
ls, 1f sbk
brn & pale brn & red
ls, thin platy

161
0.4' dk brn sl
brn sl
thin platy
1' grey-brn
ls, many
mica
10% channers
2.5' thin platy
pale grey-brn
ls, thin platy
many mica
9' brn sl
micaceous
10.5'

160
dk brn sl
brn sl
2msbk
to 2c sbk
many mica
1.5' brn to
pale brn
sl, thin platy
many mica
3.5' brn, pale brn
& yell-red
ls, thin platy
many mica
few carb

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/3/15	157	7'	Visual	1.5 to 1.2	1.2	3:00	P
3/3/15	159	3.9' / 8'	10:07	10:09	10:11	2	P
3/3/15	161	3.6' / 10.5'	10:26	10:28	10:30	2	P
3/3/15	160	4.5' / 15'	11:00	11:02	11:01	3	P
3/3/15	158	3.7' / 11'	11:25	11:28	11:31	3	P

REMARKS _____
 SANITARIAN R. Bricker BACKHOE Denise (Art's) OTHERS Art
 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 & Denault Lot: 4

164 & 163
Initial system: Application rate: 1.2 Effective area beginning depth: 2.5 Bottom maximum depth: 6

164 & 163
1st Replacement: Application rate: 1.2 Effective area beginning depth: 2.5 Bottom maximum depth: 6

162 & 161
2nd 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: 2/8/18