

EXISTING PUBLIC
FLOOD PLAIN
EASEMENT - PLAT
16724-16729

BUILDABLE
PRESERVATION
PARCEL 'A'
+ 10.00 AC. +

FRANCIS OF MASSACHUSETTS
LOT 20-1



Bureau of Environmental Health

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Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Evergreen Farm Lot: 5

Initial system: Application rate: 1.2 Effective area beginning depth: 4' Bottom maximum depth: 8'

1st Replacement: Application rate: 1.2 Effective area beginning depth: 4' Bottom maximum depth: 8'

2nd Replacement: Application rate: 1.2 Effective area beginning depth: 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: Hank Oswald Date: 1/16/19

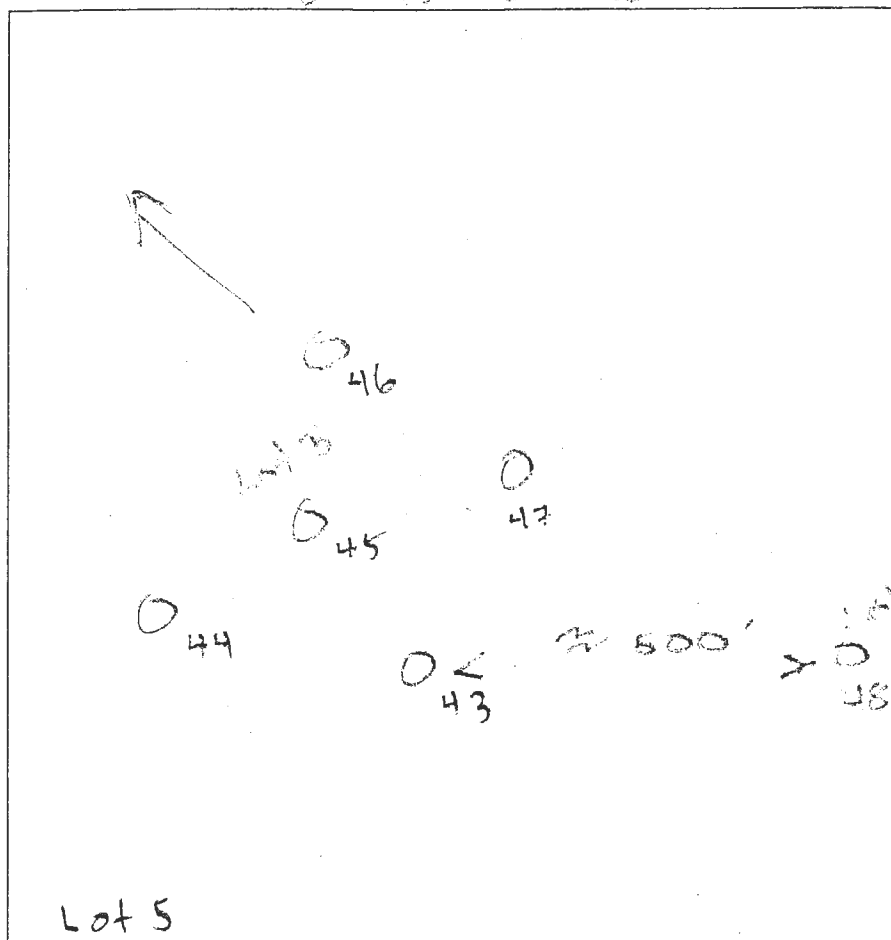
A/P

Not To Scale

43
0.8' brl
Or scl
w/mica
2.5' pale
red
fsl
micaceous
14' dry

44
0.5' brl
yellow
scl
mica
3.5' - 4' pale
red
fsl
12' water
seepage

45
0.7' brl
yellow
scl
4' pale
red
fsl
micaceous
13' dry



46
brl
Or scl
w/mica
3.5' to 4' pale
red
fsl
13' dry

47
brl
Or scl
4' pale
red
fsl
8' boulders
fsl
13' dry
48

48
brl
yellow
scl
2' - 3' pale
red
fsl
w/mica
14' dry

Private Drive

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/1/16	43	4' 1/4'	8:42	8:45	8:49	4	P
9/1/16	44	4' 1/2'	9:12			Slow	F
9/1/16	RIS 44	5' 1/2'	10:53	10:58	11:04	6	P
9/1/16	45	5' 1/3'	8:55	8:57	8:59	2	P
9/1/16	46	6' 1/3'	8:50	8:51	8:54	3	P
9/1/16	47	7' 1/3'	8:53	8:55	8:58	3	P
9/1/16	48	4' 1/4'	9:30	9:31	9:32	1	F
9/1/16	RIS 48	5' 1/4'	9:33	9:35	9:37	2	P

REMARKS

 SANITARIAN H. Oswald BACKHOE Hatfield OTHERS Owner & Engineer

 TEST HOLES USED IN SDA 5. Freeman AVG. PERC TIME SQ. FT/BR

 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW