

Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Old Frederick Road

Subdivision: Lally Property Lot: 1

Initial system: Application rate: 0.8 Effective area beginning depth: 4' Bottom maximum depth: 8' (1-E, 1-B)
1st Replacement: Application rate: 0.8 Effective area beginning depth: 5' Bottom maximum depth: 7' (1-C)
2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4' Bottom maximum depth: 8' (1-D, 1-A)

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:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= 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'

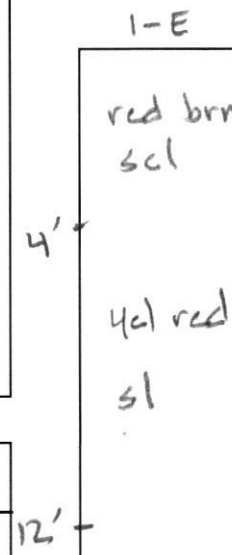
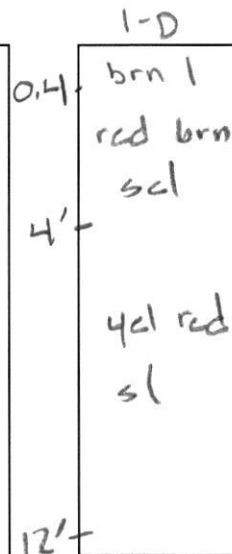
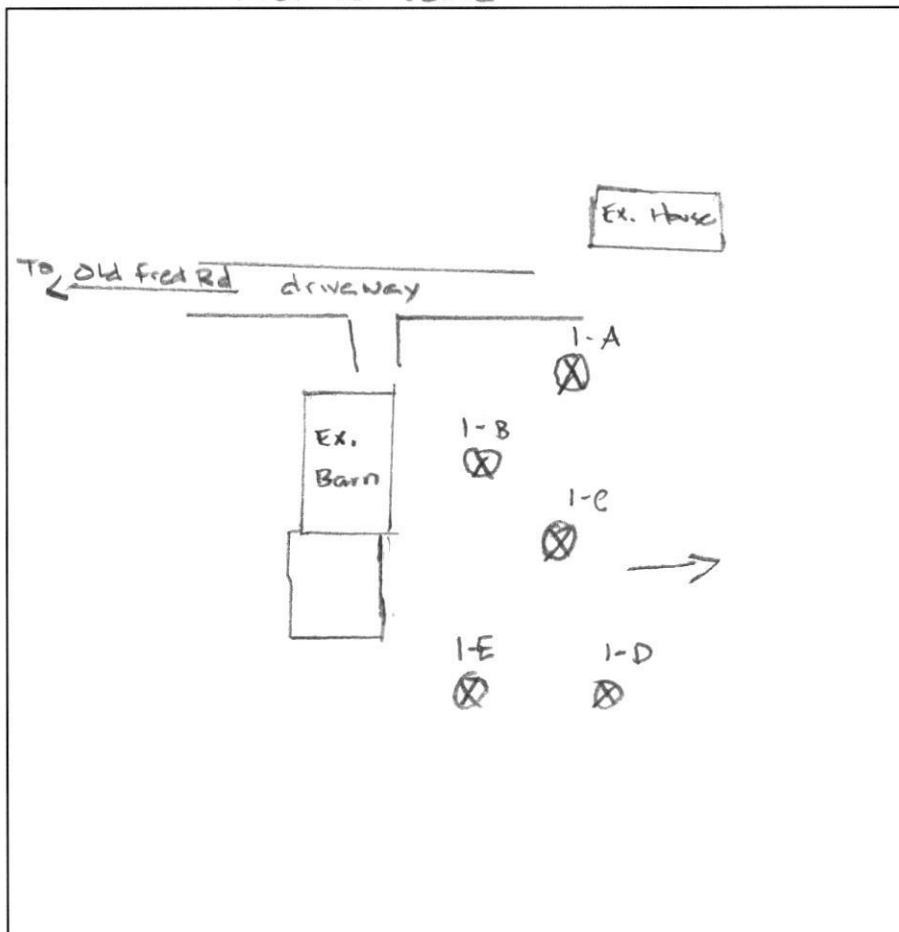
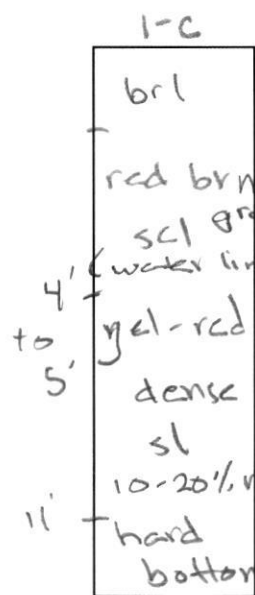
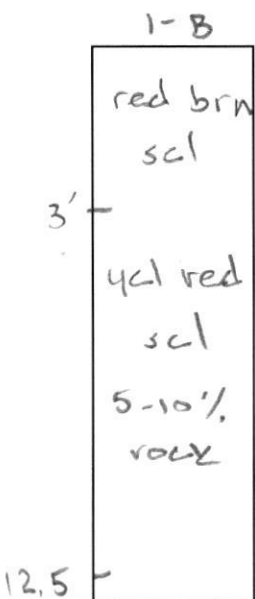
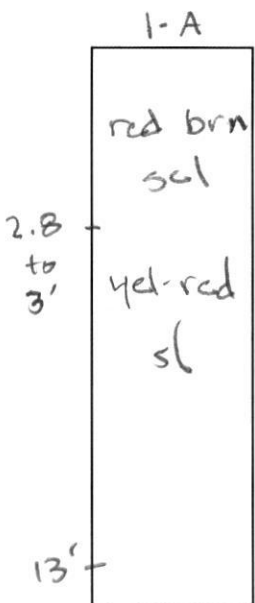
Additional requirements:

BAT unit
LPD drainfield

Approved: Hank Oswald Date: 7/19/21

AP 564084

Not To Scale



(Lot 1)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/22/19	1-A	3.8/13	11:48	11:52	12:00	8	P
1/22/19	1-B	4/12.5	12:04	12:07	12:16	9	P
1/22/19	1-C	5.5/11	1:05	Too	Long	-	F
1/22/19	↳	7/11	1:30	1:40	1:55	15	P
1/22/19	1-D	5/12	12:48	12:50	12:54	4	P
1/22/19	1-E	5.6/12	1:06	-	1:37	~15	P

REMARKS 1-C had old water line to barn per owner

SANITARIAN H. Oswald BACKHOE Jeff Allen <sup>son</sup> OTHERS Owner & employee

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

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Lally Property  
14830 Old Frederick Road  
Perc Hole 1-C contains old “water line” to barn from pond