

Table 9.7.1 – Standard OWTS Design Requirements

San Joaquin County Disposal Field Requirements

TANK	1200 GALLON			1600 GALLON	2000 GALLON
SOIL TYPE	1 BDRM**	2 BDRM	3 BDRM	4 BDRM	5 BDRM
<b>SAND / SANDY</b> Area: Manteca, S. Escalon, Ripon, French Camp <b>NO PITS APPROVED FOR THESE AREAS.</b> Leach Lines, Sumps, or Filter Beds Permitted.	80' 320 ft <sup>2</sup>	160' 640 ft <sup>2</sup>	240' 960 ft <sup>2</sup>	320' 1280 ft <sup>2</sup>	400' 1600 ft <sup>2</sup>
<b>SILT / SANDY CLAY / LOAM</b> Area: Lodi Leach Lines and Sumps/Pits Permitted (Pits and sumps based on soil type and seasonal high depth to water).	90' 360 ft <sup>2</sup> 42' LL + 1 - 36" Pit 42' + 49' = 91' LL Eq. 168+195=363 ft <sup>2</sup> 46/54	180' 720 ft <sup>2</sup> 2-42' LL + 2-36" Pits 84' + 98' = 182' LL Eq. 336+390=726 ft <sup>2</sup> 46/54	270' 1080ft <sup>2</sup> 2-80' LL + 2-42" Pits 160' + 114' = 274' LL Eq. 640+458=1098 ft <sup>2</sup> 58/42	360' 1440ft <sup>2</sup> 3-65' LL + 3- 42" Pits 195' + 171' = 366' LL Eq. 780+687=1467 ft <sup>2</sup> 53/47	450' 1800ft <sup>2</sup> 3-85' LL + 3-48" Pits 255' + 198' = 453' LL Eq. 1020+792=1812 ft <sup>2</sup> 56/44
<b>CLAY</b> Area: Linden, Morada, E. Stockton / before Jacktone Rd. Leach Lines and Pits Permitted.	100' 400 ft <sup>2</sup> 55' LL + 1 - 36" Pit 55'+49' = 104 LL Eq. 220+195=415 ft <sup>2</sup> 53/47	200' 800ft <sup>2</sup> 2-55' LL + 2-36" Pits 110'+ 98' = 208' LL Eq. 440+390=830 ft <sup>2</sup> 53/47	300' 1200 ft <sup>2</sup> 3-55' LL + 3-36" Pits 165'+147' = 312' LL Eq. 660+585=1245 ft <sup>2</sup> 53/47	400' 1600 ft <sup>2</sup> 3-80' LL + 3-42" Pits 240'+171'=441' LL Eq. 960+687=1647 ft <sup>2</sup> 58/42	500' 2000 ft <sup>2</sup> 4-70' LL + 4-42" Pits 280'+228'=508' LL Eq. 1120+916=2036 ft <sup>2</sup> 55/45
<b>HARD PAN</b> Area: Farmington, N. Escalon, E. Stockton, S. Tracy Leach Lines and Pits Permitted (Sumps in most areas of Tracy based on soil type and seasonal high depth to water).	110' 440 ft <sup>2</sup> 55' LL + 1- 42" Pit 55'+57' = 112' LL Eq. 220+229=449 ft <sup>2</sup> 49/51	220' 880 ft <sup>2</sup> 2-55' LL + 2- 42" Pits 110'+114' = 224' LL Eq. 440+458=898 ft <sup>2</sup> 49/51	330' 1320 ft <sup>2</sup> 3-55' LL + 3-42" Pits 165'+171' = 336 LL Eq. 660+687=1347 ft <sup>2</sup> 49/51	440' 1760 ft <sup>2</sup> 3-85' LL + 3-48" Pits 255'+198' = 453' LL Eq. 1020+792=1812 ft <sup>2</sup> 56/44	550' 2200 ft <sup>2</sup> 4-75' LL + 4-48" Pits 300'+264' = 564' LL Eq. 1200+1056=2256 ft <sup>2</sup> 53/47
<b>HIGH WATER TABLE AREAS: 100' Leach Lines Per Bedroom, Filter Bed, or Alternative System Approved by EHD</b> Areas: Delta, W. Stockton, Thornton, W. Tracy <b>FILTER BED: Multiply the length of leach line requirement by three (3) in sandy soils and four (4) in clay soils.</b>	100' 400 ft <sup>2</sup>	200' 800 ft <sup>2</sup>	300' 1200 ft <sup>2</sup>	400' 1600 ft <sup>2</sup>	500' 2000 ft <sup>2</sup>

Notes:

1. All computation are for a 2' wide trench with maximum 4 FT<sup>2</sup> equivalent per linear foot.
2. All one (1) bedroom homes over 500 FT<sup>2</sup> in size and one (1) bedroom mobilehomes are to be computed as two (2) bedrooms.
3. Any septic system work within the incorporated cites or within a sewage district will require an approval letter from the appropriate agency prior to the issuance of an EHD Sewage Permit.
4. All seepage pit calculations showing maximum infiltrative sidewall of 20' - best case senario.

- 36" Pit = 49' Leach Line
- 42" Pit = 57' Leach Line
- 48" Pit = 66' Leach Line
- 60" Pit = 84' Leach Line

2/16/2016 - Corrected Errors 2/3/2017

