



Development Services
and
Capital Projects Division

Location of Sewage Disposal System

Department of Public Works and Planning

Minimum Horizontal Distance in Clear Required From:

	Building Sewer	Septic Tank	Disposal Field	Seepage Pit or Cesspool
Buildings or structures ¹	2 feet ²	5 feet	8 feet	8 feet
Property line adjoining private property ⁴	Clear	50 feet	50 feet	75 feet
Non-Public Water supply wells ⁵	50 feet	100 feet	100 feet	150 feet
Trees	-	10 feet	-	10 feet
Seepage pits or cesspools	-	5 feet	5 feet	12 feet
Disposal field	-	5 feet	4 feet ³	5 feet
On-site domestic water service line	1 foot	5 feet	5 feet	5 feet
Distribution box	-	-	5 feet	5 feet
Pressure public water main	10 feet	10 feet	10 feet	10 feet
Private Pond	50 feet	100 feet	200 feet	200 feet
Flowing stream (limit of 100 year flood line)	50 feet	100 feet	100 feet	150 feet
Seasonal stream or unlined canal	25 feet	50 feet	50 feet	50 feet
Lake or reservoir measured from high water line	50 feet	100 feet	200 feet	200 feet

NOTES:

When disposal fields and/or seepage pits are installed in sloping ground, the minimum horizontal distance between any part of the leaching system and ground surface shall be fifteen (15) feet.

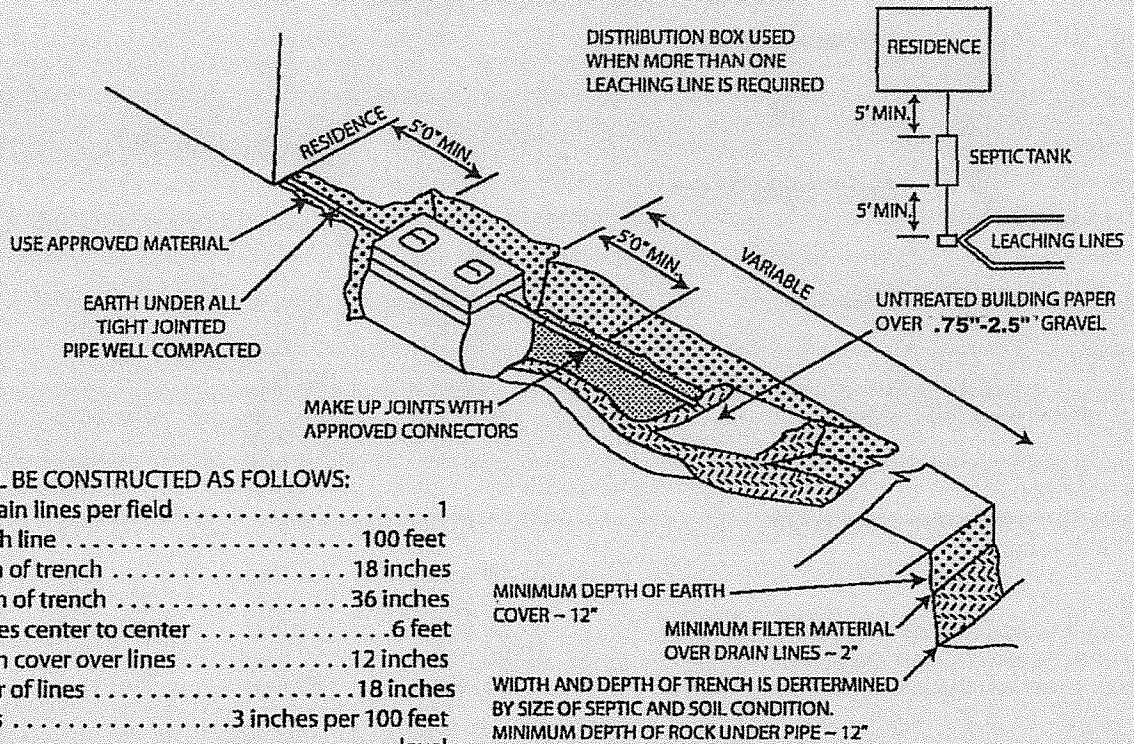
1. Including porches and steps, whether covered or uncovered, breezeways, roofed porte-cocheres, roofed patios, carports, covered walks, covered driveways and similar structures or appurtenances.
2. All drainage piping shall clear domestic water supply wells by at least fifty (50) feet. This distance may be reduced to not less than twenty-five (25) feet when the drainage piping is constructed of materials approved for use within a building.
3. Plus two (2) feet for each additional foot (0.3 m) of depth in excess of one (1) foot below the bottom of the drain line. (See also Section I 6.)
4. Reduction of required setback may be obtained through variance request, should the applicant be able to demonstrate an inability to meet required setback, while not infringing upon the development potential of the adjacent property.
5. Drainage piping shall clear domestic water supply wells by not less than 50 feet. This distance shall be permitted to be reduced to not less than 25 feet where the drainage piping is constructed of materials approved for use within a building.

CAPACITY OF SEPTIC TANKS

Single Family Dwellings - No. of Bedrooms	Multiple Dwelling Units or Apartments - One Bedroom Each	Other Uses: Maximum Fixture Units Served Per CPC Table 702.1	Minimum Septic Tank Gallons
1 or 2		15	1500
3		20	1500
4	2 units	25	1500
5 or 6	3	33	1500
	4	45	2000
	5	55	2250
	6	60	2500
	7	70	2750
	8	80	3000
	9	90	3250
	10	100	3500

Extra bedroom: 150 gallons each.
 Extra dwelling units over 10: 250 gallons each.
 Extra fixture units over 100: 25 gallons per fixture units.

HORIZONTAL LEACHING TRENCHES



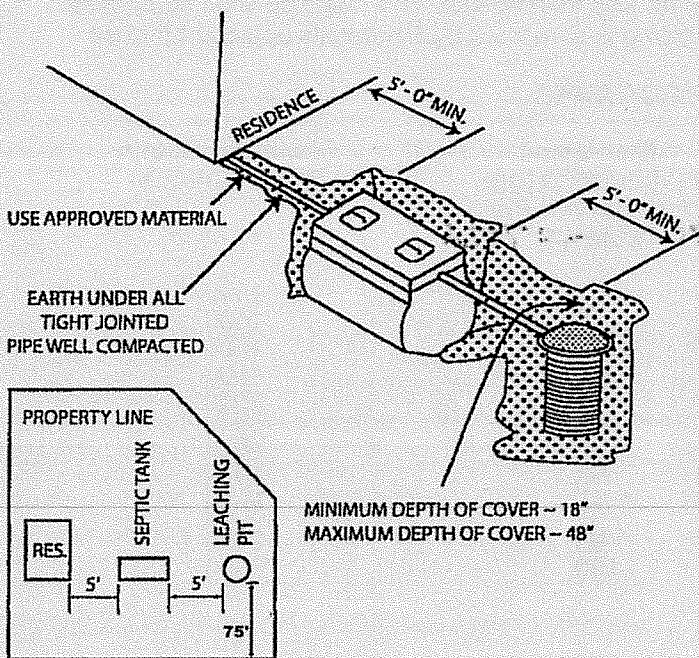
DISPOSAL FIELDS SHALL BE CONSTRUCTED AS FOLLOWS:

Minimum number of drain lines per field	1
Maximum length of each line	100 feet
Minimum bottom width of trench	18 inches
Maximum bottom width of trench	36 inches
Minimum spacing of lines center to center	6 feet
Minimum depth of earth cover over lines	12 inches
Preferred depth of cover of lines	18 inches
Maximum grade of lines	3 inches per 100 feet
Minimum grade of lines	level
Minimum filter material under drain lines	12 inches
Minimum filter material over drain lines	2 inches
Minimum spacing between trenches or leaching bed shall	
be four (4) feet plus two (2) feet for each additional	
foot of depth in excess of one (1) foot below the	
bottom of the drain lines	
Minimum square feet of trench bottom for leach field	
	150 square feet

When perforated pipe is used, it shall be laid level with the end of the line capped.

Connections between a septic tank and a distribution box, or between a distribution box and drainfield, shall be laid with approved watertight joints on natural ground or compacted fill.

SEEPAGE PIT INSTALLATION



1. Seepage pits shall be used only to service a single-family residence and only when the site is not approvable for installation of a standard or other special system.
2. At least one test boring to groundwater or ten (10) feet below the proposed design depth of the pits, whichever is shallower, shall be made in the lowest area of the proposed disposal area to evaluate soils. Additional test pits may be required at the discretion of the Division to determine the suitability of the site for on-site sewage disposal. All test borings shall be witnessed by the consultant and the Department.
3. Use of seepage pits in all other situations will require permitting approval through the Regional Water Quality Control Board.
4. A seepage pit shall be circular in shape and shall have an excavated diameter of not less than 3 feet and no more than 5 feet. The seepage pit shall be filled up to the concrete collar with leach rock or cobbles that are a minimum of three quarters (3/4") inches and two and one half (2,5") inches in diameter in any dimension or with other filter material approved by the Division. The cobbles or filter material shall be washed clean so as to be free of debris and dirt.

For more information, consult the Fresno County LAMP