

Trench Worksheet

FIXTURE COUNT CALCULATION CHART

FIXTURE TYPE	UNIT	X	# OF FIXTURES	=	TOTAL FIXTURE UNITS
Bath Tub	2	X		=	
Bidet	2	X		=	
Clothes Washer	2	X		=	
Dishwasher (separate from kitchen)	2	X		=	
Lavatory (bathroom sink), single	1	X		=	
Lavatory, double in master bedroom	1	X		=	
Shower, single stall	2	X		=	
Sink, bar	1	X		=	
Sink, kitchen (including dishwasher)	2	X		=	
Sink, service	3	X		=	
Utility Tub or Sink	2	X		=	
Water Closet (toilet), 1.6 GPF	3	X		=	
Water Closet (toilet), >1.6 – 3.2 GPF	4	X		=	
Water Closet (toilet), >3.2 GPF	6	X		=	
TOTAL FIXTURE UNITS:					

Items in BOLD are the most commonly used fixtures

"Bedroom" means, for the purposes of determining design flow for an on-site wastewater treatment facility for a dwelling, any room that has:

- a) Floor space of at least 70 square feet in area, excluding closets;
- b) Ceiling height of at least 7 feet;
- c) Electrical service and ventilation;
- d) A closet or an area where a closet could be constructed;
- e) At least one window capable of being opened and used for emergency egress; and
- f) A method of entry and exit into the room which allows it to be considered distinct from other rooms in the dwelling to afford a level of privacy customarily expected for such a room.

Bedroom/Equivalent Worksheet

Room Type	Number of Rooms
Bedroom	
Den	
Office	
Other:	
Other:	
Other:	
Total:	

TRENCHES HAVE A MAXIMUM OVERALL DEPTH OF FIVE (5) FEET ABOVE DEPTH OF TEST HOLE

TANK SIZE (from *Septic System Sizing Chart*) = _____

DESIGN FLOW (from *Septic System Sizing Chart*) = _____

PERCOLATION RATE
(from the *Soils Report or Disposal Area Calculation Table*) = _____

SOIL ABSORPTION RATE
(from the *Soils Report or Disposal Area Calculation Table*) = _____

TOTAL SQUARE FOOTAGE REQUIRED
(divide *DESIGN FLOW* by *SAR* or use *Design Flow Calculation Table*) = _____

DIVISOR USED (see Example Calculations for detailed instructions) = _____

TOTAL LINEAR LENGTH OF TRENCH REQUIRED (divide *TOTAL SQUARE FOOTAGE* by *DIVISOR*) = _____

Proposed Number of Trenches	_____
Proposed Length of each Trench	_____
Proposed Width of each Trench	_____
Proposed Effective Depth of each Trench	_____
Proposed Overall Depth of each Trench	_____
Separation Between Trench Edges	_____

- The maximum length for any disposal field is 100'. If the total linear length of trench is greater than 100', use a distribution box to divide the total length into multiple trenches of equal length to distribute the effluent more effectively throughout the disposal field.
- The separation between the trench walls is a minimum of 5' or twice the effective depth, whichever is greater.
- Additional inspection risers, placed in the center of the trench, are required for any trench greater than 50' in length.

Permit/File #:

Designed by:

Date: