

Seepage Pit 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:	

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 (3.14 X Diameter of Pit) = _____

TOTAL EFFECTIVE DEPTH OF PIT (divide TOTAL SQUARE FOOTAGE by DIVISOR) = _____

Effective Depth of Pit(s)	_____
Number of Pits	_____
Diameter of Pit(s)	_____
Overall Depth of Pit(s)	_____
Separation Between Pits (when more than one)	_____
Depth to Groundwater	_____

- The minimum effective depth for seepage pits is 10'. If the total effective depth of the seepage pit is greater than 50', it is recommended to use a distribution box to divide the total depth into multiple pits of equal size to more effectively distribute the effluent.
- Separation between the edges of the pits is twelve (12) feet or three times the diameter of the pit, whichever is greater.

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Date:

Chamber Worksheet

FIXTURE COUNT CALCULATION CHART

FIXTURE TYPE	UNIT		# 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:	

TYPE OF CHAMBER (ᾠΡᾠᾠS ONE): **QUICK 4 STANDARD** **QUICK 4 HIGH CAPACITY** **ARC 36** **ARC 36 HC**

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*) = _____

- QUICK 4 STANDARD divisor is **6.42**
- QUICK 4 HIGH CAPACITY divisor is **7.10**
- BIODIFFUSER ARC 36 divisor is **6.36**
- BIODIFFUSER ARC 36 HC divisor is **6.97**

DIVISOR USED = _____

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

TOTAL NUMBER OF CHAMBERS (divide *TOTAL LENGTH OF TRENCH* by chamber length: QUICK 4 = 4', ARC 36 = 5' per chamber) = _____

Proposed Number of Trenches	_____
Proposed Length of each Trench	_____
Proposed Width of each Trench	_____
Proposed Number of Chambers per 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 chamber trench walls is a minimum of 5'.
- Additional inspection risers, placed in the center of the trench, are required for any trench greater than 50' in length.

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Trench Worksheet

FIXTURE COUNT CALCULATION CHART

FIXTURE TYPE	UNIT		# 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.

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