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 (CHECK 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	3
Proposed Number of Chambers per Trench	
Proposed Overall Depth of each Trench	
Separation Between Trench Edges	5

- 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.

Permit/File #: _____ **Designed by:** _____ **Date:** _____