SYSTEM SIZING

One-or Two- family dwelling

DWF = 150 gal/day /bedroom x # of bedrooms

DWF = 150 x _____ # of bedrooms = _____ GPD Design Flow

Public Sizing

DWF = Estimated Flow from Table 383.43-1 x 1.5 (Use Table Below)

DWF = _____ x 1.5 = _____ GPD Design Flow

Determine the design loading rate (DLR) for the site

From Table 383.44-1 or -2, select the soil application rate for the most restrictive soil horizon at the infiltrative surfaces or a lower horizon if the lower horizon adversely affects the dispersal of wastewater in accordance with SPS 383.44(4)(a) and (c).

DLR = _____ gpd/ft²

Determine the distribution cell area

Calculate the distribution cell area by dividing the DWF by the DLR

Distribution Cell area = _____ gpd ÷ _____ gpd/ft²

For components with EISA ratings

EISA Rating for the component (find on approval letter) = _____ sq ft per unit

Calculate the distribution cell area with an EISA component by the formula:
DWF ÷ DLR ÷ EISA = Number of Chambers (round it up)

EISA Distribution cell area = _____ gpd ÷ _____ gpd/ft² ÷ _____ EISA per unit = _____ Number of components

Tank Sizing

DWF x 2.088 = minimum tank size for 3 year maintenance cycle

_____ x 2.088 = _____ gallons

PUBLIC USE SIZING

USE	AMOUNT	EST FLOW PER UNIT	TOTAL FLOW