

**1- or 2- Family Dwelling In-ground Soil Absorption System (1-cell Conventional)**

Daily Wastewater Flow (DWF) = \_\_\_\_\_ # of bedrooms x 150 gal/day/bedroom = \_\_\_\_\_ gal/day

Design Loading Rate (DLR) or Soil Application Rate = \_\_\_\_\_ gpd/ft<sup>2</sup> (per SPS Table 383.44—1, 2, or 3)

Required Distribution cell area = DWF \_\_\_\_\_ gal/day ÷ DLR \_\_\_\_\_ gpd/ft<sup>2</sup> = \_\_\_\_\_ ft<sup>2</sup>

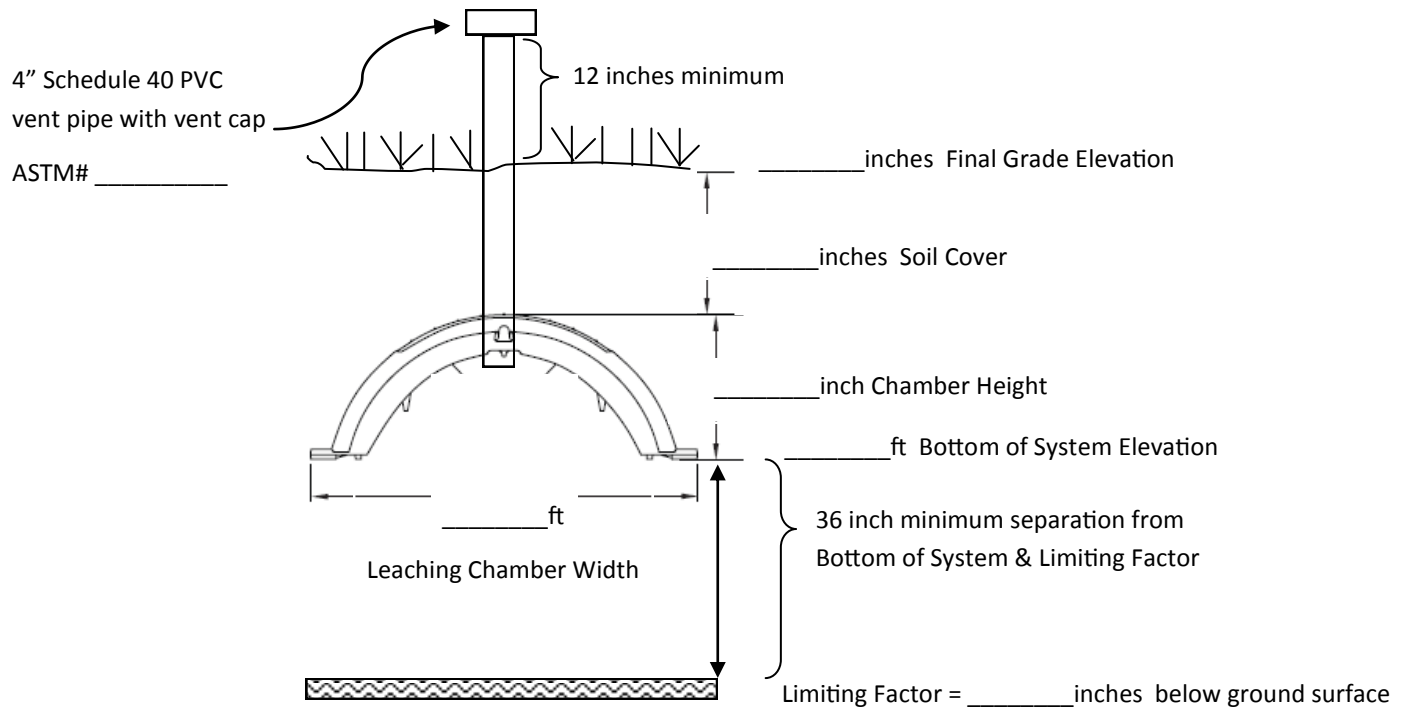
# Chambers = Required Distribution cell area \_\_\_\_\_ ft<sup>2</sup> ÷ \_\_\_\_\_ ft<sup>2</sup> / unit EISA = \_\_\_\_\_ # of Chambers

Chamber Manufacturer and Model: \_\_\_\_\_

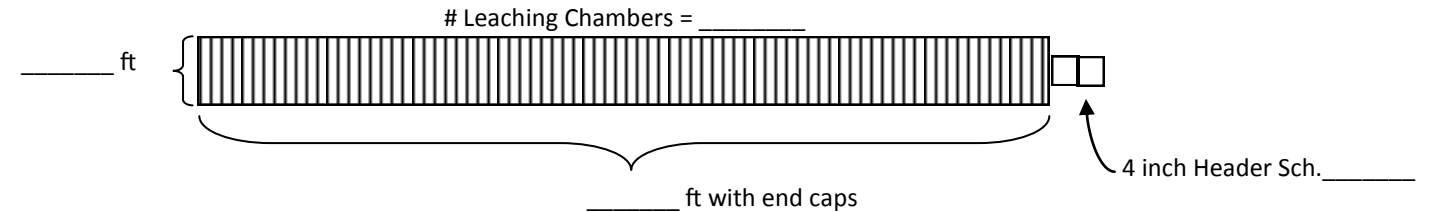
Actual Distribution Area = Total Chambers distribution area \_\_\_\_\_ ft<sup>2</sup> + \_\_\_\_\_ ft<sup>2</sup> / unit EISA End Cap Pair = \_\_\_\_\_ ft<sup>2</sup>

**Cross-Section In-ground Soil Absorption System (1-cell):**

Max Bury Depth = Limiting Factor \_\_\_\_\_ inches - 36 inches = \_\_\_\_\_ inches or \_\_\_\_\_ feet



**Plan View In-ground Soil Absorption System (1-cell):**



Draw ○ for a Vent and ● for Observation Pipe above. They will be located \_\_\_\_\_ ft from the end of the cell.

Vent pipes shall be Schedule 40 PVC and extend at least 12 inches above finished grade.

Observation pipes that extend above finished grade must also be 4 inch Schedule 40 PVC.