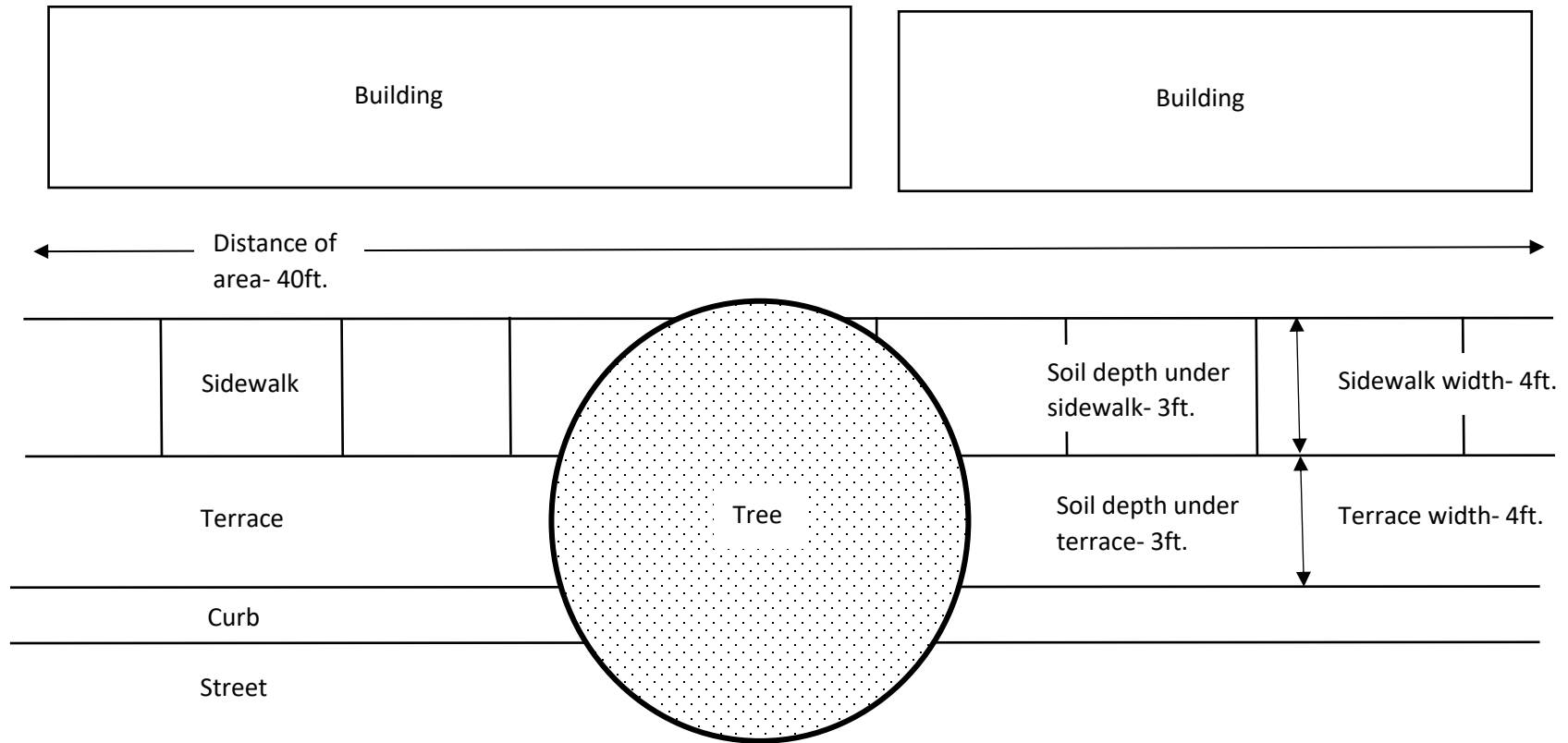


# Possible Solutions for Street and Sidewalk Conflicts with Street Trees

-Silva cells or structural soil is placed under the sidewalk to expand soil volume for street trees-



Soil volume in terrace:  $40\text{ft L} \times 4\text{ft W} \times 3\text{ft D} = 480 \text{ cu ft of soil}$   
 Soil volume under sidewalk with silva cells:  $40\text{ft L} \times 4\text{ft W} \times 3\text{ft D} = 480 \text{ cu ft of soil}$   
 Total soil volume of terrace and silva cells= **960 cubic ft**

Soil volume in terrace:  $40\text{ft L} \times 4\text{ft W} \times 3\text{ft D} = 480 \text{ cu ft of soil}$   
 Soil volume under sidewalk with structural soil:  $40\text{ft L} \times 4\text{ft W} \times 3\text{ft D} / 2 = 240 \text{ cu of soil}$  (Structural soil has roughly  $\frac{1}{2}$  of the soil volume of loam.)  
 Total soil volume of terrace and structural soil= **720 cubic ft**