

## Slope

Measured distance between two strings (run): \_\_\_\_\_ m

Measured distance between the ground and the string (rise): \_\_\_\_\_ m

$$\frac{\text{(rise)}}{\text{(run)}} = \frac{\text{_____}}{\text{_____}} \times 100 = \text{_____ \% slope}$$

**Soils present** (sand, loam, clay): \_\_\_\_\_

**Infiltration test results** (1 cm = 10 mm)

$$1. \quad \frac{\text{(a)}}{\text{(b)}} \times \frac{\text{cm}}{\text{24 hours}} \times \frac{\text{hours}}{\text{24 hours}} \times \frac{\text{day}}{\text{day}}$$

$$2. \quad 24 / \text{(b)} = \text{(c)}$$

$$3. \quad \text{(c)} \times \text{(a)} = \text{_____ cm per day (d) (up to 30 cm)}$$

**Rain garden depth** = \_\_\_\_\_ cm (may convert to inches) (d)

## Footprint Ratio

$$1. \quad \frac{\text{2.5 cm per day}}{\text{(d) cm per day}} = \text{(e)}$$

$$2. \quad \frac{\text{(d)}}{\text{2.5}} = \text{(e)}$$

## Rain garden area

Footprint of home or building: \_\_\_\_\_ square metres (f)

Percentage of roof area that feeds into rain garden downspout: \_\_\_\_\_ % (g)

$$\text{(f)} \times \text{(g)} = \text{_____ square metres of drainage area (h)}$$

Drainage Area x Footprint Ratio = square metres of rain garden

$$\text{(h)} \times \text{(e)} = \text{_____ square metres}$$