



**RAIN GARDEN SITE AND DESIGN**

Please review 'Rain Gardens: Design and Installation in Northwestern Ontario' and your notes from the Rain Garden Workshop/Training to help you calculate the following values.

**Slope**

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

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

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

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

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

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

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

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

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

**Footprint Ratio**

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

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

**Rain garden area**

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

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

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

Drainage Area x Footprint Ratio = square metres of rain garden

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

Date of site visit: \_\_\_\_\_

Project Approved

Project not approved

Your progress report is due on: \_\_\_\_\_ (3 weeks from date of site visit)

Your rain garden must be complete by: \_\_\_\_\_ (6 weeks from site visit)

*Please note: Due to the high volume of interest in this program and the limited number of rebates available, projects that have not met the progress report or completion deadlines may be required to re-apply to the program.*

**Notes (Staff use only)**