Green Infrastructure

Site Planning Worksheet

Stewardship Partners

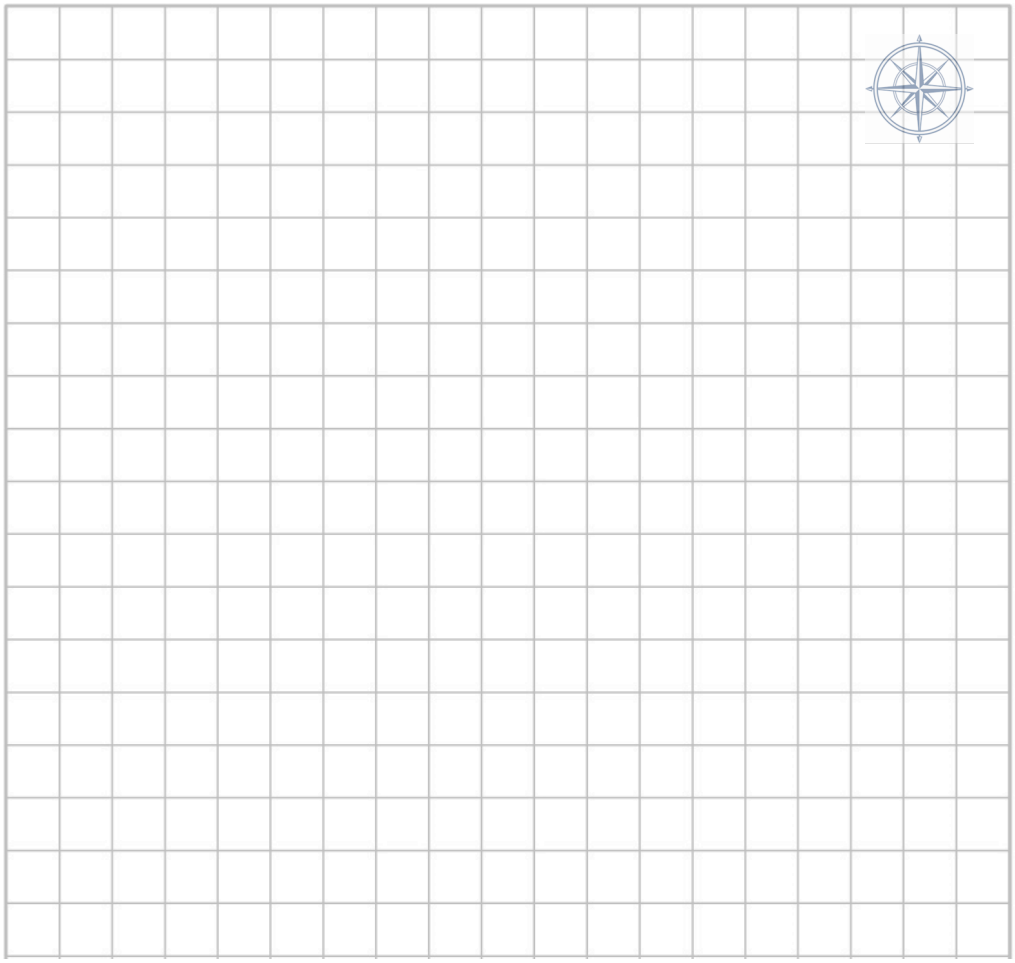
12,000 RAIN GARDENS in Puget Sound

city habitats

Instructions:

1. Sketch the site you want to retrofit/modify/improve
2. Include structures/buildings/houses and whatever you know about the rooflines
3. Include paved areas, lawns, as well as problem areas
4. If able, use google or bing maps to estimate the impervious area that you think you can capture, or estimate.
5. To calculate volume multiply area by 3 (3ft of rain is Seattle avg), and multiply by 7.5 (gallons/Cu.Ft) to get gallons of runoff produced by that surface.
6. Based on existing downspout locations and the rest of your site landscape decide where you will collect runoff (e.g. which downspouts), and what you want to direct it toward (cistern, rain garden)
7. Add your green infrastructure feature and label it: Rain Gardens are typically about 10% as large as the area that drains into them, cisterns are best sized to hold at least 2 gallons for every 1 s.f. that drains to them.

REMEMBER: WORK WITH GRAVITY, NOT AGAINST IT. Gravity always wins



Key

Existing Downspout

Impervious surface

Existing wet areas

Cistern/ Rain Barrel

Rain Garden/ swale

Green Roof

Depave

Permeable paving

Invasive removal

Tree planting