RainWise Facility Sizing Tables

The following tables apply to sizing rain garden & cistern facilities meeting program minimums for rebates under the RainWise Rebates in target CSO basins.

Note: Facilities infiltrating 100% of runoff receive the full rebate amount, other facilities receive a percentage of that amount based on their modeled control volume as noted in the tables.

Minimum Requirements:

1) Subject parcel must be in a qualifying CSO basin.

2) A minimum of 400 square feet of impervious roof area must be mitigated to qualify for a rebate.

3) No more than **1,000** square feet of contributing impervious surface may be directed to overflow across a sidewalk from a single overflow. Systems in excess of 1,000 square feet shall have 2 overflows separated by a distance of 10 feet or more.

4) Projects infiltrating more than 2000 square feet of impervious surface must follow Stormwater Code requirements.

5) Qualifying cisterns must have a .25 inch low flow orifice and a minimum of 3 feet of head.

For cistern sizing (without a rain garden) use the "Cistern Rebate Calculator" at
https://rainwise.seattle.gov/city/seattle/contractor_corner

Table 1. Standard Rain Garden Plus 2.5H: 1V Native Soil Side Slope			
Rain gardens, 6" ponding, 1' bioretention soil depth			
Native Soil infiltration rate (in/hr)	**Bottom Area Sizing (% of Contributing Area)**	**% of construction rebate**	**Construction rebate($/SF contributing area)**
0.25	7.4%	100%	$3.50 per SF
0.5	4.6%	100%	$3.50 per SF
1	2.8%	100%	$3.50 per SF

See next page for cistern routed to rain garden sizing →

Cistern Routed to Rain Garden Sizing

Table 2. Cistern routed to standard rain garden, native soil 0.25 in/hr				
Contributing Area	**Cistern sizing**	**% of construction rebate**	**Raingarden Bottom Area Sizing (% of Contributing Area)**	**Construction rebate($/SF contributing area)**
200-350	1 cistern	100%	1.8%	$3.50 per SF
350-2000*	1 cistern	100%	3.3%	$3.50 per SF
900-1500*	2 cisterns	100%	3.0%	$3.50 per SF
1501-2000*	2 cisterns	100%	2.7%	$3.50 per SF

Table 3. Cistern routed to standard rain garden, native soil 0.5 in/hr				
Contributing Area	**Cistern sizing**	**% of construction rebate**	**Raingarden Bottom Area Sizing (% of Contributing Area)**	**Construction rebate($/SF contributing area)**
200-2000*	1 cistern	100%	1.7%	$3.50 per SF
900-1500*	2 cisterns	100%	1.3%	$3.50 per SF
1501-2000*	2 cisterns	100%	1.0%	$3.50 per SF

Table 4. Cistern routed to a standard rain garden, native soil 1 in/hr				
Contributing Area	**Cistern sizing**	**% of construction rebate**	**Raingarden Bottom Area Sizing (% of Contributing Area)**	**Construction rebate ($/SF contributing area)**
200-1500*	1 cistern	100%	0.7%	$3.50 per SF
1501-2000*	1 cistern	100%	0.5%	$3.50 per SF
900-2000*	2 cisterns	100%	0.3%	$3.50 per SF

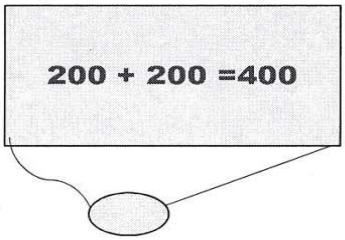
RainWise

Facility Configuration Examples

Rain Wise
Managing Storm Water at Home

Seattle Public Utilities

You must control a minimum of 400 square feet of roof area using one or more rain gardens. You may direct multiple areas to one or several rain gardens to reach the 400 square foot minimum requirement.



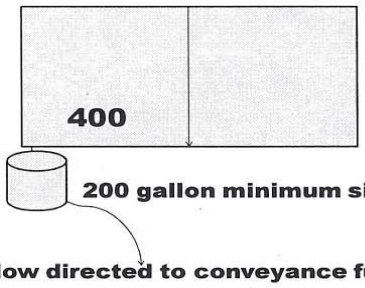
Seattle Public Utilities 4

Getting to eligibility

- *Each cistern installation directing flow to the sewer or a conveyance furrow must control a minimum of 400 square feet of runoff. You may not add roof areas directed to separate cisterns to meet the 400 square foot minimum*
- *A minimum of 400 square feet of roof area must be directed to one cistern facility of 200 gallons or greater.*
- *If cistern flows go to a receiving rain garden, roof areas may be added to achieve the 400 square foot minimum*

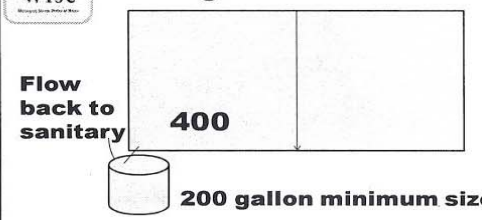
Seattle Public Utilities 5

Getting to 400 SF with cisterns



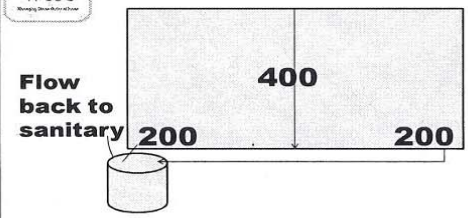
Seattle Public Utilities 6

Getting to 400 with cisterns



Seattle Public Utilities 7

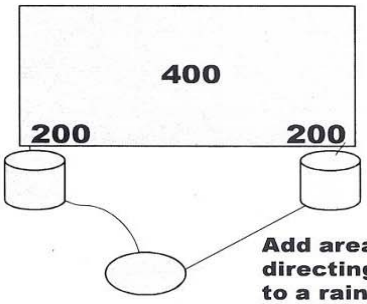
Getting to 400 SF with cisterns



Change gutters or pipe across house to direct smaller roof areas to one cistern

Seattle Public Utilities 8

Getting to 400 with cisterns



Seattle Public Utilities 9