

Example

Before RainWise Construction Begins – Customer Understanding

Thank you for choosing to be RainWise! We are excited that you are ready to install your RainWise cistern(s) and/or rain garden(s). Before construction starts, we also want to make sure you understand all of the aspects of your RainWise rebate.

If you have any questions about these statements, please speak with your contractor, call the Garden Hotline at 206-633-0224, or email rainwise@seattle.gov. If you do not agree with the following statements, please do not proceed with your project.

After reading each statement, initial in the space provided to indicate you agree. Sign your name at the end. When complete, give this form to your contractor to submit with his/her pre-inspection request.

1. **RainWise Rebates may be considered income under federal tax law.**

As part of my rebate package submittal, I will complete and sign IRS Form "W-9"- "Request for Taxpayer Identification Number and Certification". *[You should consult with your tax advisor regarding potential tax consequences of receiving a RainWise Rebate.]*

Initials

SS

2. As part of my rebate package submittal, I will sign a **Homeowner Agreement to maintain my RainWise rain garden and/or cistern for a minimum of five years** (ten years if your roof area is 5,000 square feet or greater).

Initials

SS

3. If I decide to sell my property within the term of the Homeowner Agreement, I will provide **written notice to Seattle Public Utilities (SPU) and King County of my intentions to sell my home**. I will also make agents and buyers aware of the Homeowner Agreement via MLS Form 17, Seller's Disclosure Form. *[SPU and King County will contact the next property owners to explain the purpose of their RainWise installation and how to maintain it.]*

Initials

SS

TURN OVER →

4. **I have spoken with my contractor about whether he/she will use the pre-inspection waiver and the risks of this option.** Some RainWise contractors have been approved to waive the pre-inspection. When a contractor chooses to waive the pre-inspection, SPU/King County will not review and approve the installation until after construction. The contractor is proceeding at his/her own risk. *[Talk with your contractor about any on-site flow control facilities, particularly if your home was built or remodeled after 1979. Properties with existing on-site flow control facilities are not eligible for RainWise.]*

Initials
SS

5. I will **submit my rebate application within 90 days after final approval** of my installation by a RainWise inspector. I also understand that **my rebate will be issued within 8 weeks** of SPU and King County's acceptance of my complete rebate package.

Initials
SS

I agree to all of the statements initialed above.

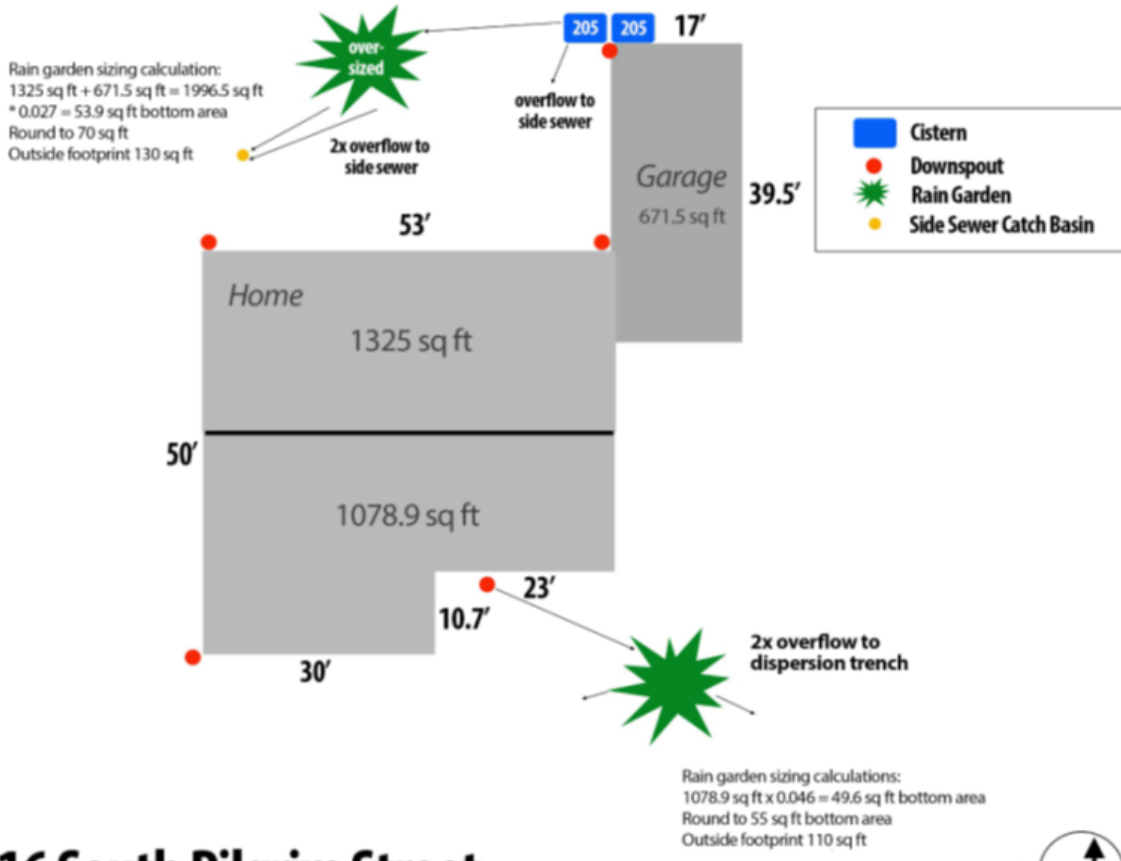
Sandy Smith
Printed Name

Sandy Smith
Signature

1500 S Genesee St
Property Address

March 6th, 2019
Date

ABC Landscaping Company
 2222 17th Ave S
 Seattle, WA 98222
 (206) 222-3333
 abclandscaping@yahoo.com



5816 South Pilgrim Street



RainWise Sizing and Rebate Calculator

Contractor Name	ABC Landscaping Company
Client Name	Sandy Smith
Project Address	1500 S Genesee St
Notes	

Contributing Roof Area ^{1,2}	400	sf
Project Type	Cistern	

Cistern

No. Connected Cisterns	1	
Cistern Type ³	Bushman BRTT420	
Cistern Overflow Height ⁴		ft
Total Cistern Height ⁵		ft
Single Cistern Volume ⁶		gal

RainWise Rebate

% Construction Rebate	→	83%	
Construction Rebate Rate ^{7,8}	→	\$3.33	per square foot contributing area
Total Rebate	→	\$1,332.00	
Gallons Managed Annually ⁹	→	1,600	gallons

Notes:

1. A RainWise project must mitigate runoff from at least 400 square feet of impervious area (in total) to qualify for a RainWise rebate. A cistern must collect runoff from a minimum of 300 square feet of impervious roof area; there is no minimum for a rain garden. This calculator must be used to determine rebate values for contributing areas up to 4,200 square feet. For roof areas larger than 4,200 square feet, contact the RainWise Program Manager.
2. Roof area contributing runoff to one cistern, or multiple connected cisterns, controlled by one flow control outlet.
3. Qualifying cisterns must have a 0.25 inch orifice at the flow control outlet, a minimum head (storage height above the flow control outlet invert) of 3 feet, and a minimum storage volume of 200 gallons. Multiple cisterns may be connected but may have only one flow control outlet at the outlet of the most downstream cistern (see RainWise Details Sheet 11).
4. Cistern overflow height is measured from the invert (bottom) of the flow control outlet to the invert (bottom) of the overflow outlet (see RainWise Details Sheet 9).
5. Total cistern height as specified by manufacturer.
6. Cistern volume as specified by manufacturer.
7. Maximum construction rebate for rain gardens and cistern to rain gardens is \$4.00/square foot.
8. Maximum construction rebate for cisterns is 98% of the \$4.00/square foot rebate (i.e., \$3.92/square foot contributing area).
9. "Gallons Managed" is an estimate of the runoff volume managed based on the calculations provided in the *Green Stormwater Infrastructure in Seattle Implementation Strategy 2015 - 2020*.

gal - gallons ft - feet sf - square feet no. - number Version: 7-14-2017



RainWise Sizing and Rebate Calculator

Contractor Name

Client Name

Project Address

Notes

Contributing Roof Area ^{1,2} sf

Project Type

Rain Garden

Native Soil Infiltration Rate in/hr

Rain Garden Bottom Area Required sf

RainWise Rebate

% Construction Rebate	→	100%	
Construction Rebate Rate ^{7,8}	→	\$4.00	per square foot contributing area
Total Rebate	→	\$1,600.00	
Gallons Managed Annually ⁹	→	5,700	gallons

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Infiltration Test & Certification

This test will help determine, 1) If soil conditions are suitable for a rain garden and 2) The size of garden.
If you have questions while executing this test, contact your contractor with questions.

Site Address: 1500 S Genesee St
(Use one certification form per rain garden.)

On-Site location (For multiple rain gardens, i.e., SW or NE): Backyard

Test Preparation:

- **Call before you dig!** Dial 811 for free utility pipeline location.
- Dig a hole **24 inches deep** and **at least 10 inches across**.
- Add a stake with a ruler attached and set the bottom of the ruler at the bottom of the hole. Duct tape works to attach the ruler.
- **Fill and drain the hole 2 times** to saturate the soil.
- **Each fill should be performed within 2 hours of the previous fill.**
You are mimicking the saturated condition of the soil during the rainy season.



Cautionary Note:

Any one of the following conditions **disqualify** site for a rain garden:
 * *hit hard pan soil* * *hole fills with water*
 * *test hole does not drain at least .25" per hour*



Infiltration Test & Certification Form: (check all boxes)

A. Upon digging hole, did you hit hard pan? (hard pan is like concrete)

Yes No

B. Upon digging hole, did the hole fill with water?

Yes No

If you answered "No" to A. and B., continue test.

1. Fill the hole (1st fill) to the **12-inch mark**. Done Not Done

2. Let the hole drain completely. Done Not Done

3. Fill the hole again(2nd fill) to the **12-inch mark**. Done Not Done

4. Let the hole drain completely and **record** duration of time hole drains:

Amount of time to drain: _____ hrs. _____ mins.

5a. Fill the hole again (3rd fill) to the **12-inch mark**. Done Not Done

5b. Record number of inches water has fallen in 1 hour: 12 inches

Be as accurate as possible!

5c. Record number of inches water has fallen from hour 1 to hour 2: _____ inches
If hole is already empty, refill hole (4th fill) and skip to step 5e. (use the 15 minutes table).

5d. Record next entries on appropriate table. Determine which table and interval to use, by following these guidelines. **Select appropriate interval with a check:**

- >3" per hour fall, check at 15 minute intervals = Table 1
- 3" to 1" per hour fall, check at 30 minute intervals = Table 2
- <1" per hour fall, continue to check at hourly intervals = Table 3

5e. Now measure the fall of water 3 more times on selected table below:
If hole empties prior to given time interval, refill and continue recording.

TABLE 1 (15 MINUTES)		
Time (15 min duration)	Ruler Reading (Inches)	Hole Refilled 12" (Yes or No)

TABLE 2 (30 MINUTES)		
Time (30 min duration)	Ruler Reading (Inches)	Hole Refilled 12" (Yes or No)

TABLE 3 (1 HOUR)		
Time (60 min duration)	Ruler Reading (Inches)	Hole Refilled 12" (Yes or No)

6. Contractor calculation of infiltration rate: 3 inches per hour

- ≥ 0.25 in/hr: use 0.25 RG size in table & replace soil with 'Bioretention' soil mix
- ≥ 0.5 in/hr: use 0.5 RG size in table & replace soil with 'Bioretention' soil mix
- ≥ 1.0 in/hr: use 1.0 RG size in table and replace soil with 'Bioretention' soil mix
- > 1.0 use 1.0 in/hr RG size in table (You may not make your rain garden size smaller)

Signatures are required and must be included with your rebate materials, to be eligible for a RainWise Rebate.

I certify that I have followed the procedures outlined in this document to determine my rain garden sizing. I have chosen to size my rain garden in accordance with these results. I understand that rain gardens are sized for moderate rain events and that regardless of infiltration ability of my soil that my rain garden must have a clear and safe overflow path according to RainWise program details.

Certification Test Performed by:

Homeowner or Contractor Print Name _____
 Signature _____ Date _____

Infiltration Rate Calculated by:

Contractor Print Name _____
 Signature _____ Date _____