

# RainWise Rebate Overview

In order to meet stormwater permit requirements, Seattle Public Utilities and King County Wastewater Treatment Division are addressing combined sewer overflows (CSOs) with a combination of traditional “gray” and “green” stormwater infrastructure. In target areas, qualifying properties may be eligible to receive a rebate of up to \$3.50 for each square foot of runoff controlled using a rain garden and/or cistern, both forms of green infrastructure.

## To qualify for the RainWise Rebates:

- 1) Qualifying rain gardens or cisterns must be installed on properties within a target CSO basin. Maps of eligible basins are posted at <http://www.700milliongallons.org/rainwise/eligibility-map/>.
- 2) Work must be completed by a contractor who has taken RainWise contractor training and is licensed to do business in Seattle and the state of Washington to be eligible. For information on licensing and hiring contractors, check the Labor and Industries website <http://www.lni.wa.gov/TradesLicensing/Contractors/HireCon/> or call 1-800-647-0982.
- 3) All RainWise design requirements must be met and verified by a RainWise inspector.
- 4) Rebate applications must be received within 90 days after approval of the installation by a RainWise inspector.

## Steps to getting your project started and getting your rebate:

- 1) Verify that you live within an approved CSO basin area. Qualifying areas can be found on the RainWise website at <http://www.700milliongallons.org/rainwise/eligibility-map/>.
- 2) Contact a contractor (see <http://www.700milliongallons.org/rainwise/find-a-contractor/>). Contractors who have attended the RainWise contractor training workshops are familiar with the requirements of the program.
- 3) Choose your contractor and make a plan. The contractor will make arrangements for a pre-construction inspection or will submit a Notice of RainWise Project form.
- 4) After the pre-construction inspection is approved or Notice of RainWise Project form is submitted, they may construct your rain garden or cistern.
- 5) The contractor will make arrangements for a final inspection by a RainWise inspector upon completion.
- 6) Make sure your contractor shows you how to maintain your system or that you contract with them to maintain the system.
- 7) RainWise Rebates may be considered income under federal tax law. As part of your rebate package submittal, applicants must 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.*
- 8) Within 90 days of the final inspection approval, fill out your rebate package. To be sure your submission is complete be sure to use the RainWise rebate Checklist. Send the completed rebate package to:

**Attn: RainWise Rebate Program**  
**Seattle Public Utilities/King County WTD RainWise**  
**700 5th Avenue, Suite 4900**  
**PO Box 34018**  
**Seattle, WA 98124-4018**

# RainWise Rebate Checklist

*Print and return this form on the front of your rebate package*

**Name:** Sandy Smith

**Site address:** 1500 S Genesee St

*Please check that you have completed and included the following items in your submission.*

- ☒ The completed rebate form
- ☒ A copy of the approved pre-construction inspection sheet or Notice of RainWise Project
- ☒ A copy of the approved post-construction inspection sheet
- ☒ An invoice from the contractor showing business name, address, and costs of installation and materials. *Note: No rebate will exceed the total cost of the installation of the rain garden or cistern facilities.*
- ☒ A signed Homeowner Agreement with the RainWise Program
- ☒ A completed and signed Form W-9 (Request for Taxpayer Identification Number and Certification)
- ☒ A contractor signed Rain Garden and/or Cistern warranty
- ☒ A signed Statement of Rain Garden and/or Cistern Function
- ☒ If you have installed a rain garden, a signed Infiltration Test and Certification
- ☒ If you have a rockery or wall, a signed Rockery Release Form

**Please verify the following items:**

- ☒ I have been shown how to maintain and operate my rain garden and/or cistern by my installer and know where to find additional information on the RainWise website.

# RainWise Rebate Form

Please print and return this form

Name: Sandy Smith

Site address: 1500 S Genesee St

City: Seattle State: WA Zip: 98108

Mailing address (if different): Same

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email address: sandysmith@yahoo.com Phone: ( 206 ) 789-6543

We occasionally contact RainWise customers with helpful information, such as maintenance reminders. If you prefer to be contacted in a language other than English, please indicate your preferred language(s):

Written \_\_\_\_\_

Spoken \_\_\_\_\_

## Type of installation:

- ☐ Rain Garden
- ☐ Cistern overflowing to rain garden
- ☐ Cistern overflowing to conveyance channel
- ☐ Cistern overflowing back to sewer

Roof area draining to facility: 400 square feet

Cost to install facility: \$ 1,200

By signing this form, I certify that I am the owner of the installation site, that the information I have provided is complete and accurate, that I will maintain and keep the installed system in good working order for a minimum of five years, and that I grant the city or county (the utility providing the rebate) permission to conduct site inspections of my stormwater facility at times that are mutually acceptable to me and the utility.

Signature Sandy Smith Date March 6th, 2019

# Homeowner Agreement

This Agreement (Agreement) is made on the 6th day of March, 2019, by and between Seattle Public Utilities (SPU) or King County Wastewater Treatment Division (WTD) and

Sandy Smith (Homeowner).

This Agreement establishes the understanding between SPU or WTD and the Homeowner regarding the terms and conditions governing the Homeowner's participation in SPU and WTD's RainWise Rebate Project. The Homeowner owns and occupies the real property located at

1500 S Genesee St, Seattle, Washington (Property).

## TERMS AND CONDITIONS

In consideration of their mutual promises and commitments, SPU or WTD and the Homeowner hereby mutually agree as follows:

1. Homeowner grants SPU/WTD permission to enter onto the Property at reasonable times to be arranged in advance by mutual agreement, to:
  - a. evaluate whether the Property is an appropriate site for receiving a rebate for a rain garden and/or cistern (System);
  - b. inspect the final installation to determine if the System meets program standards; and
  - c. monitor and evaluate the maintenance and performance of the System.
2. Homeowner is responsible for choosing an appropriate location with respect to utility conflicts and proper water conveyance to and from the System.
3. This Agreement is effective as of the date entered above and will expire five years after the date of final inspection sign off by SPU or WTD.
4. During the term of this Agreement, Homeowner will operate and maintain the System in accordance with the operation and maintenance procedures provided by SPU/WTD and exercise reasonable care to avoid interference with, damage to, or loss of function of the System. There shall be no further compensation to the Homeowner other than the promises and commitments made by SPU/WTD as part of the RainWise Rebate. Homeowner assumes the risk and agrees to hold harmless the City and County for any claim relating to the installation and operation of the System.
5. As part of the rebate program, Homeowner grants the City of Seattle and King County the irrevocable right to use photographs of their RainWise installations in all forms and media.
6. Nothing contained in this Agreement shall be construed to require the Homeowner to alter or improve the Property or any access to the Property. Homeowner will provide prior written notice to and consult with SPU/WTD regarding any planned alterations to the Property that may affect System performance. *(Examples would include additions to the property that would affect roof drainage area or alterations to gutters or downspouts.)*

7. During the term of this Agreement, if the Homeowner lists the Property for sale, then the Homeowner will as soon as possible, but no later than three days after listing the Property for sale, provide written notice to SPU/WTB of Homeowner's intentions to sell the Property. Homeowner will make agents and buyers aware of this agreement via MLS Form 17, Seller's Disclosure Form.

8. All written notices or reports required under this Agreement shall be given by posting in first class mail as follows:

To SPU: Seattle Public Utilities  
Real Estate Services  
700 5th Avenue, Suite 4900  
P.O. Box 34018  
Seattle, WA 98124-4018

To WTD: King County WTD  
Real Property Agent  
201 S. Jackson Street  
KSC-NR-0512  
Seattle, WA 98104

To Homeowner: (complete if mailing address is different than premises address)

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9. SPU/WTB reserves the right to seek damages in the event the Homeowner should fail to fulfill the obligations set forth in this Agreement.

SPU/WTB and Homeowner have executed this Agreement in duplicate, effective on the date first written above.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Seattle Public Utilities or King County Wastewater Treatment Division

By: Sandy Smith Date: March 6th, 2019

Homeowner

Revised 5/9/ 2013

Form **W-9** (Rev. 12-2011)

# Invoice

ABC Landscaping Company  
2222 12<sup>th</sup> Ave S  
Seattle, WA 98222  
(206) 222-3333  
[abclandscaping@yahoo.com](mailto:abclandscaping@yahoo.com)

**Owners Name:** Sandy Smith  
**Property Address:** 1500 S Genesee St  
**City, Zip:** Seattle, WA 98222

Materials	Description	Quantity	Unit Price	Total
420-gallon cistern	Each	1	\$75.00	\$75.00
Gravel	CY	1	\$50.00	\$50.00
Site Development: Cistern installation. Includes: ordering, picking up and delivery of 1 x 420-gallon cistern; preparation of level base; delivery and installation of gravel material and grid base; connecting cistern low flow and overflow	Hours	10	\$100.00	\$1,000
Subtotals				\$1,125

# Vendor Payment Option Form

Please complete both sides of the form.

## Property Owner Section (please print):

**Sandy Smith**

Property Owner Name

**1500 S Genesee St**

**Seattle**

**WA**

**98108**

Property Address

City

State

Zip

Alternate Mailing Address

City

State

Zip

Phone **(206) 789-6543**

Email

**sandysmith@yahoo.com**

I, the Property Owner, request to have the Seattle Public Utilities RainWise rebate check for the installation referenced at the Property Address be made payable to, and sent to, the Vendor. By requesting the incentive/rebate check be made payable to the Vendor, I agree to the following:

1. I will not receive a RainWise rebate check directly from Seattle Public Utilities.
2. Assigning payment of the RainWise rebate to the Vendor does not exempt me from RainWise program requirements.

I authorize the release of my rebate to the Vendor listed on page two of this form pending approval of the completed RainWise rebate package by Seattle Public Utilities.

**Sandy Smith**

**3/16/2019**

*Signature of Property Owner*

*Date*

## Vendor Section (please print):

**ABC Landscaping Company**

Vendor Name / Business Name / UBI Number

**UBI #123 456 789/ License ABC999U**

State of Washington Contractor License Number:

**2222 17th Ave S**

**Seattle**

**WA**

**98222**

Vendor Mailing Address

City

State

Zip

Phone **(206) 222-3333**

Email **abclandscaping@yahoo.com**

I, the Vendor, agree to receive the RainWise rebate check directly for the installation referenced at the Property Address. By agreeing to receive the rebate check directly, I agree to the following:

1. The RainWise rebate amount will be deducted from the final invoice given to the Property Owner for the installation at the Property Address referenced above, if the total cost of the installation is greater than the rebate.
2. I, the Vendor, am a Washington State licensed contractor.
3. Seattle Public Utilities will send a Federal Form 1099 MISC to me, the Vendor, for the RainWise rebate payments totaling more than \$600 per calendar year, and will report the same payments to the Internal Revenue Service.

I accept the direct payment of the RainWise rebate from the Property Owner pending approval of the completed RainWise rebate package by Seattle Public Utilities.

**ABC Company Signature**

**3/16/2019**

*Signature of Contractor*

*Date*

## Pre-construction Inspection Report

CSO Basin: \_\_\_\_\_

Tax Parcel #: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Inspector: \_\_\_\_\_

Owner: \_\_\_\_\_

Address: \_\_\_\_\_

Contractor: \_\_\_\_\_

Does Owner Authorize Work? Contractor's Initials: \_\_\_\_\_

Homeowner heard about RainWise through: \_\_\_\_\_

### CHECKLIST:

Please write  
legibly

#### ☐ Eligibility confirmed

(Be sure to check the side sewer card in addition to eligibility on the RainWise website. Properties with existing infiltration systems are not eligible for RainWise.)

#### Proposed System:

☐ Rain garden Qty: \_\_\_\_\_

☐ Cistern

To side sewer Qty: \_\_\_\_\_

To dispersion trench Qty: \_\_\_\_\_

To rain garden Qty: \_\_\_\_\_

☐ Conveyance furrow

☐ Underground piping

☐ Back to side sewer permit

☐ Contributing area (400 SF minimum)

#### General Site Conditions:

☐ No steep slopes within 500'

☐ Proper infiltration setback from all buildings

☐ Proper infiltration setback from neighbor(s)

☐ Proper infiltration setbacks from walls/rockeries

☐ No discharge within 3' of sidewalks

☐ No discharge to neighbors

#### For Rain Gardens:

☐ Bottom area sized appropriately

☐ Proper overflow design

☐ If >1000 SF, separate overflows 10' apart

#### For Cisterns:

☐ Shop drawing for non-standard cisterns

☐ Review details as needed

### FORMS COLLECTED:

☐ Verify infiltration test completed/signed

☐ Verify site plans are complete

### COMMENTS:

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☐ Approve to proceed

☐ Revise and resubmit

Inspector signature \_\_\_\_\_

Date: \_\_\_\_\_

### For Office Use

☐ For rain gardens: infiltration test included

☐ For cisterns: shop drawing/spec sheet

☐ Site plan included

☐ Photos taken

☐ Photos uploaded

# Post-construction Inspection Report

CSO Basin: \_\_\_\_\_  
Tax Parcel #: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Inspector: \_\_\_\_\_

Owner: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contractor: \_\_\_\_\_

## CHECKLIST:

Please write  
legibly

### General Site Conditions:

- ☐ Side sewers capped
- ☐ All infiltration setbacks met

### Cisterns:

- ☐ At least 3' clear path
- ☐ Meets the specified dimensions
- ☐ Cistern spec sheet for non-standard cisterns—  
note bottom area/wall thickness
- ☐ Not obstructing ingress, egress etc.
- ☐ Cistern has solid/level base
- ☐ Plumbing meets specifications
- ☐ Inlet has screen
- ☐ Inlet has clean out
- ☐ 1/4" diameter flow control orifice (FCO) present
- ☐ 1.5" diameter overflow present

### Rain Gardens:

- ☐ Top/bottom areas sized properly
- ☐ Proper 2.5H:1V (or flatter) side slopes
- ☐ Bottom area is level
- ☐ Freeboard 4" or greater
- ☐ 6" storage
- ☐ Positive overflow discharge
- ☐ Outfall path armored
- ☐ 12" of biosoil
- ☐ Uniform 3" mulch layer
- ☐ Plants installed
- ☐ Proper setbacks met

### Overflow Discharge:

- ☐ 10' separation between overflows
- ☐ Connected to sewer
- ☐ DPD permit
- ☐ Not within 3' of sidewalks
- ☐ Not toward neighboring properties
- ☐ Dispersion trench present

### Other:

- ☐ RainWise sign planted
- ☐ Site plan attached
- ☐ Cistern maintenance sticker placed

## COMMENTS:

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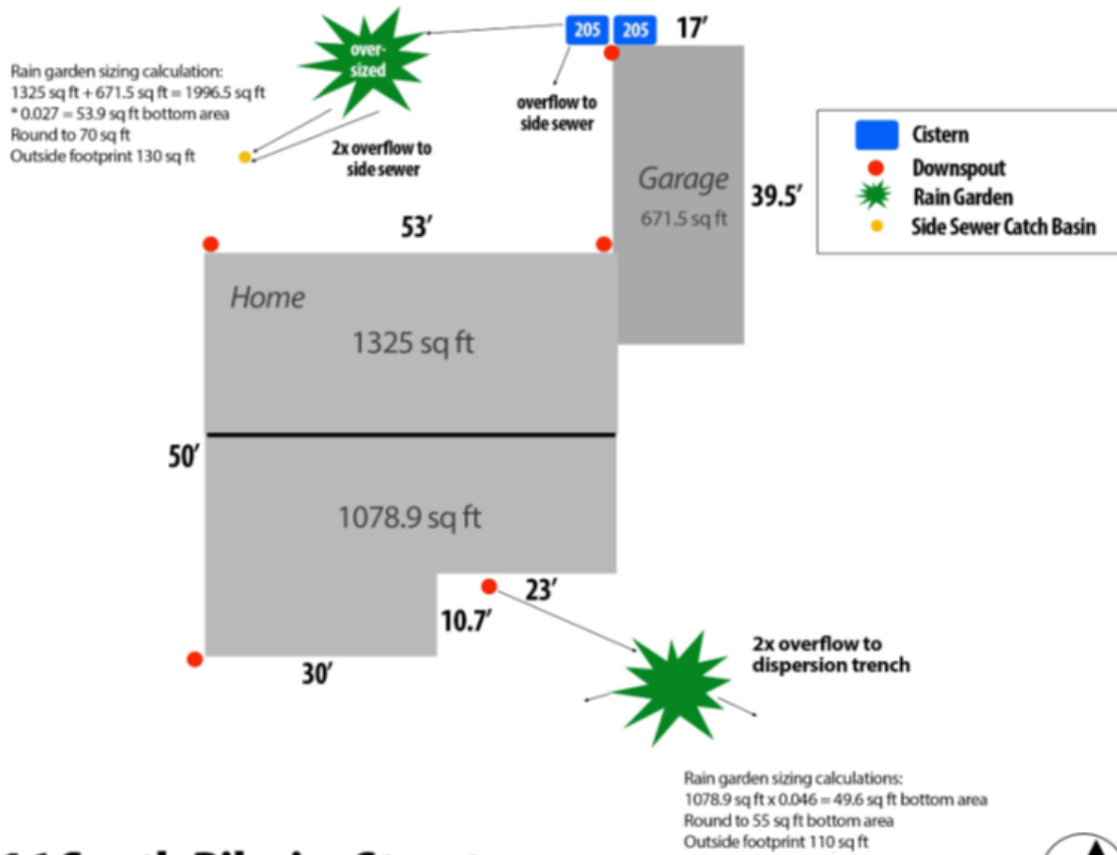
Inspector Signature \_\_\_\_\_

Date: \_\_\_\_\_

## For Office Use

- ☐ Pre-inspection waiver
- ☐ Photos taken
- ☐ Photos uploaded
- ☐ If change of cistern(s): shop drawing/spec sheet
- ☐ Fail project

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



5816 South Pilgrim Street



# Statement of Rain Garden Function

In order to reduce excess stormwater flows to the combined sewer system, Lake Washington and Puget Sound, rain garden systems must be designed to meet or exceed the RainWise program's standards and constructed so they cause no harm to you or your neighbors. While our inspector is able to check for minimum standards of primary importance to the city or county (such as sizing and appropriate setbacks), only you, the homeowner, live with your new rain garden on a daily basis. You are in the best position to evaluate whether your system is functioning as designed. Your evaluation of system function via this document ensures that our ratepayers are getting the value of the service we are funding through the RainWise rebate program, and also ensures you have a functioning system before you make your final payment to your contractor.

***Please follow the instructions below, answer the question, and sign and return this document with your rebate package.***

**IT IS YOUR RESPONSIBILITY TO EVALUATE AND CONFIRM TO SPU/WTB THAT YOUR SYSTEM IS FUNCTIONING PROPERLY.**

## Rain Garden Systems

### ***Ponding duration***

Observe your rain garden during and after rain events. During summer or extended dry periods, use a hose to fill your rain garden to its ponding depth (up to the level of the overflow). Ponding is normal in a rain garden, but in the absence of continuous rain the majority of your rain garden should drain over a 24 hour period after it stops raining.

### ***Overflow conveyance***

Observe your rain garden during large rain events, or use a hose to simulate flows. Ensure that water leaving the rain garden discharges to the approved discharge location and not your neighbor's property or your basement.

**If your rain garden does not function properly, notify both your contractor and the RainWise Program.**

You may call 206-684-0100 or email [inspectionrequest@seattle.gov](mailto:inspectionrequest@seattle.gov)

Your contractor will work with you according to the terms of the RainWise warranty agreement to make sure your rain garden functions correctly. Seattle Public Utilities and King County Wastewater Treatment Division are not responsible for construction practices undertaken by the contractor that could cause the system to be nonfunctional. Examples would be failure to test for soil infiltration, over-compacting the soil, or allowing silts or other fine materials to contaminate the bio-retention soils which could impede proper draining of a rain garden.

### **Certification:**

I have observed my rain garden and its function, and assert that it drains within a 24 hour period and overflows to an approved discharge location.

***Printed name*** Sandy Smith

***Signature*** Sandy Smith

***Date*** March 6th, 2019

*Revised 10/2/2014*

# Statement of Cistern Function

In order to reduce excess stormwater flows to the combined sewer system, Lake Washington and Puget Sound, cistern systems must be designed to meet or exceed the RainWise Program's standards and constructed so they cause no harm to you or your neighbors. While our inspector is able to check for minimum standards of primary importance to the city and county (such as sizing and appropriate setbacks), only you, the homeowner, live with your new cistern every day. That puts you in the best position to evaluate whether your system is functioning as designed. Your evaluation of system function via this document ensures that our ratepayers are getting the value of the service we are funding through the RainWise rebate program, and also ensures you have a functioning system before you make your final payment to your contractor.

***Please follow the instructions below, answer the question, and sign and return this document with your rebate package.***

**IT IS YOUR RESPONSIBILITY TO EVALUATE AND CONFIRM TO THE RAINWISE PROGRAM THAT YOUR SYSTEM IS FUNCTIONING PROPERLY.**

## ***Cistern Function***

Observe your cistern during and after rain events. During summer or extended dry periods, use a hose to fill your cistern up to the level of the overflow with the low flow orifice closed. Observe the overflow to ensure that water leaving the cistern discharges to the approved discharge location and not your neighbor's property or your basement.

## ***Low flow orifice***

Open the low flow orifice on your cistern when it has water in it. Water should drain through the valve and to the overflow plumbing or an approved discharge point.

## ***Leaks***

Observe your cistern and plumbing. Your cistern should not leak.

**If your cistern does not function properly, notify both your contractor and the RainWise Program.**

You may call 206-684-0100 or email [inspectionrequest@seattle.gov](mailto:inspectionrequest@seattle.gov)

Your contractor will work with you according to the terms of the RainWise warranty agreement to make sure your cistern functions correctly. Seattle Public Utilities and King County Wastewater Treatment Division not responsible for construction practices undertaken by the contractor that could cause the system to be nonfunctional. Examples would be failure to build an adequate foundation, faulty plumbing connections, or misjudgment of terrain or pipe grades.

## **Certification:**

I have observed my cistern and its function, and assert that it holds water, discharges over time through a low flow orifice, and overflows to an approved discharge location.

***Printed name*** Sandy Smith

***Signature*** Sandy Smith

***Date*** March 6th 2019

*Revised 10/2/2014*

# Rockery Release Form

The RainWise program has developed design details for green stormwater infrastructure that provide for stormwater conveyance, detention, and infiltration which meet the goal of reducing combined stormwater overflows (CSOs) to Lake Washington and Puget Sound.

As part of this, we have developed siting and location details to limit these installations to sites where they will be suitable to perform their function, and also be safe for the installing and neighboring properties.

**If your rain garden or cistern installation is on a property with a wall or rockery, you must fill out and submit this form with your rebate package to be eligible to receive a RainWise rebate.**

**Design details and field engineering considerations concerning the installation of rain gardens and cisterns and their overflow conveyances take into account design function, public safety, and possible property damage.**

**However, walls and rockeries may be subject to failure when water is infiltrated behind them. Seattle Public Utilities and King County Wastewater Treatment Division and their employees (engineers and field inspectors) cannot know the construction methods, substrate and/or soils associated with a wall or rockery, nor predict the longevity of a wall or rockery. If you choose to install a rain garden or cistern behind a wall or rockery, you agree to assume the risk associated with that installation.**

I **Sandy Smith** property owner at  
Homeowner (print)

**1500 S Genesee St**  
Property Address

Understand and agree to the following

- 1) I am aware that despite following the RainWise Program design guidelines for installation of rain gardens and cisterns behind a wall or rockery that damage could occur to the wall or rockery. Damages may include cracking, buckling, and partial or full collapse of the rockery structure, erosion through or around the wall or rockery, subsidence of retained soils, or other physical damage.
- 2) I have decided to install a rain garden or cistern behind a wall or rockery of my own free will, having been informed of such possible damages.
- 3) I will hold harmless the City of Seattle and King County Wastewater Treatment Division for these modifications and their consequences and voluntarily assume all risk associated with the installation of a rain garden or cistern behind my wall or rockery.

**Printed name** **Sandy Smith**

**Signature** **Sandy Smith**

**Date** **March 6th, 2019**

# 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 (1<sup>st</sup> fill) to the **12-inch mark**.

Done ☒ Not Done ☐

2. Let the hole drain completely.

Done ☒ Not Done ☐

3. Fill the hole again (2<sup>nd</sup> 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 (3<sup>rd</sup> 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 (4<sup>th</sup> 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 \_\_\_\_\_

## RainWise Sizing and Rebate Calculator

Contractor Name **ABC Landscaping Company**

Client Name **Sandy Smith**

Project Address **1500 S Genesee St**

Notes

Contributing Roof Area <sup>1,2</sup> **400** sf

Project Type **Cistern**

### Cistern

No. Connected Cisterns **1**

Cistern Type <sup>3</sup> **Bushman BRTT420**

Cistern Overflow Height <sup>4</sup>  ft

Total Cistern Height <sup>5</sup>  ft

Single Cistern Volume <sup>6</sup>  gal

### RainWise Rebate

% Construction Rebate	→	<b>83%</b>	
Construction Rebate Rate <sup>7,8</sup>	→	<b>\$3.33</b>	per square foot contributing area
Total Rebate	→	<b>\$1,332.00</b>	
Gallons Managed Annually <sup>9</sup>	→	<b>1,600</b>	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

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