

SPOKANE SCAPE 101



a crash course in native landscaping

**Brought to you by the Water Wise Spokane Conservation Team
and the Washington State University Extension Master Gardeners**



WSU EXTENSION
Spokane County

Cathy Spokas

Landscape Architect



Obsessed with Native Plants!

Class Schedule



**SpokaneScape
Class
Presentations**

5:30-7:00



**Station
Signups
and Break**

7:00-7:15



**Water Wise
Garden
Tour**



**Drip
Irrigation
Demo**



**Design
Advice
Corner**

7:15-8:30 Rotating Groups





Education and Outreach



Residential Efficiency Check Ups



Water Saving Rebates



Commercial Efficiency Assistance



SpokaneScape



What is SpokaneScape?





Reward!
50 cents
per sqft up
to \$500

SpokaneScape

The practice of replacing grass lawns with native and water wise plants to create an aesthetically pleasing landscape design that both saves water and enriches the local ecosystem.





Before



After



Before



After

Why Save Water and Why SpokaneScape?



Why Save Water?



Protect the River

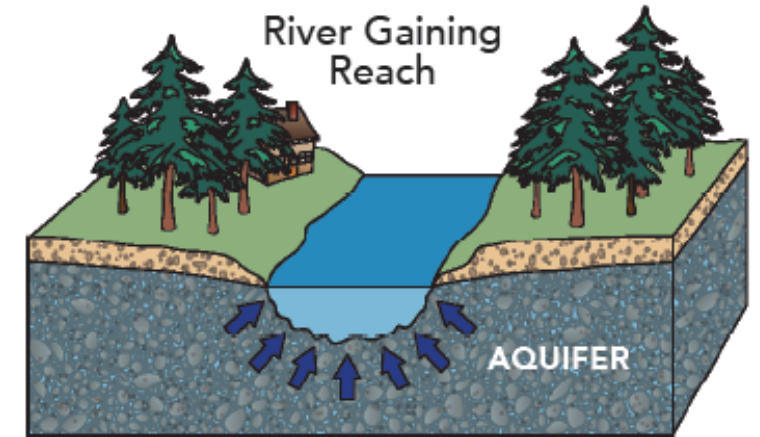


Figure 2: Water flows into the river through the bottom or through springs on the banks of the river.

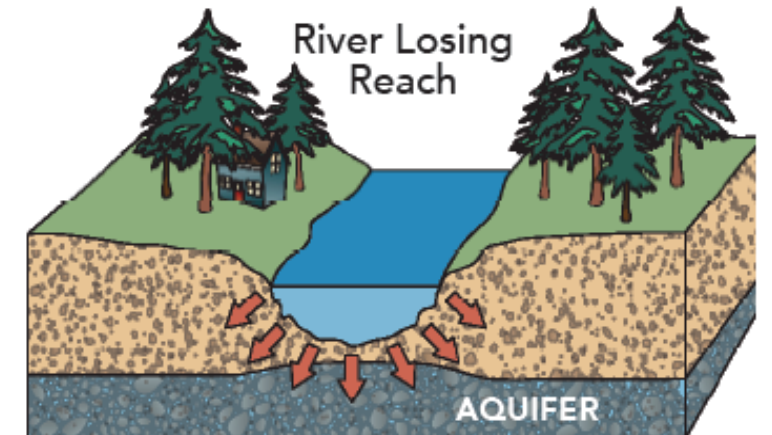
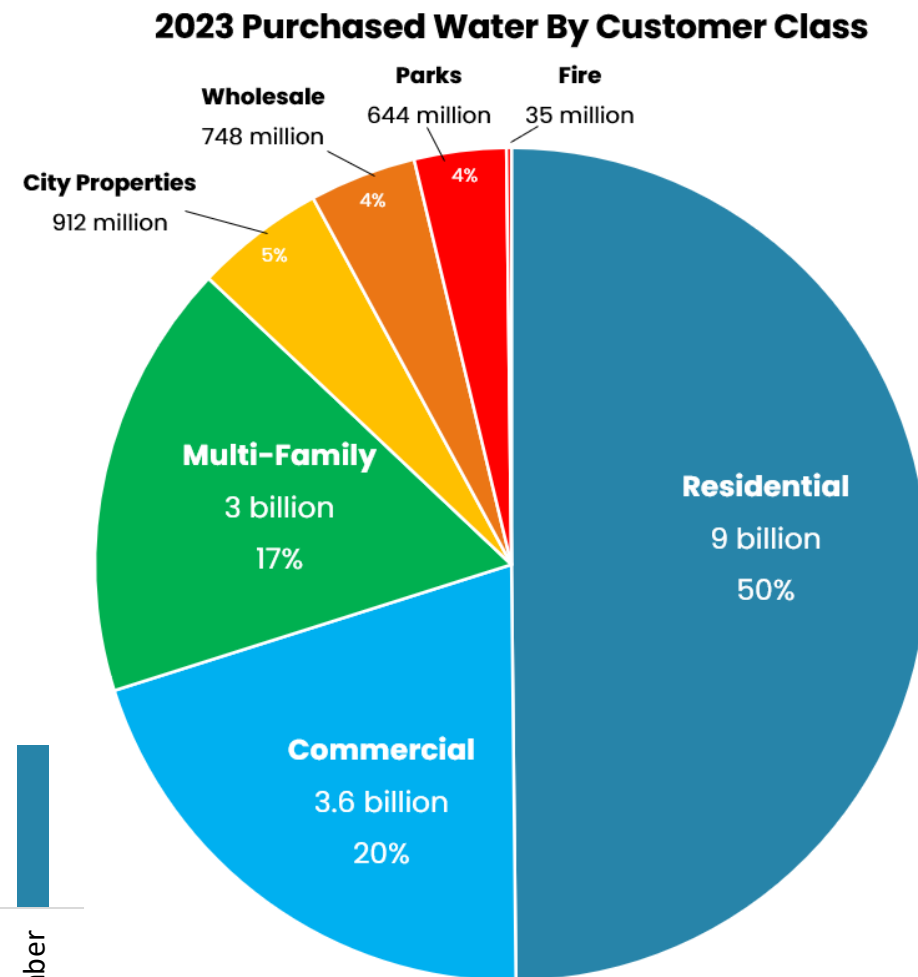
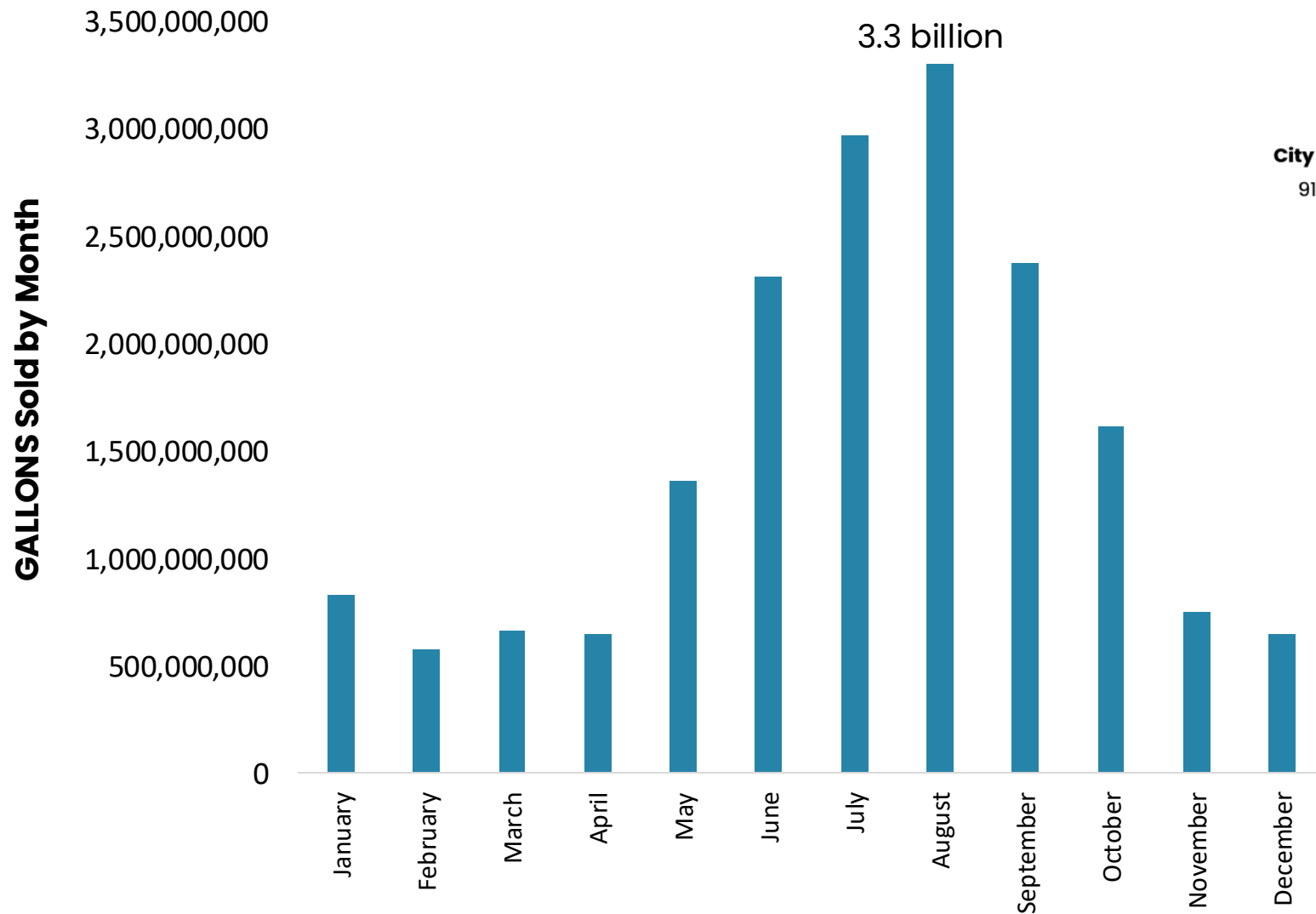


Figure 3: In these areas the water seeps out of the bottom of the river and recharges the SVRP aquifer.

- Adjust for increasing populations and climate change
- Cut down on expensive system expansions



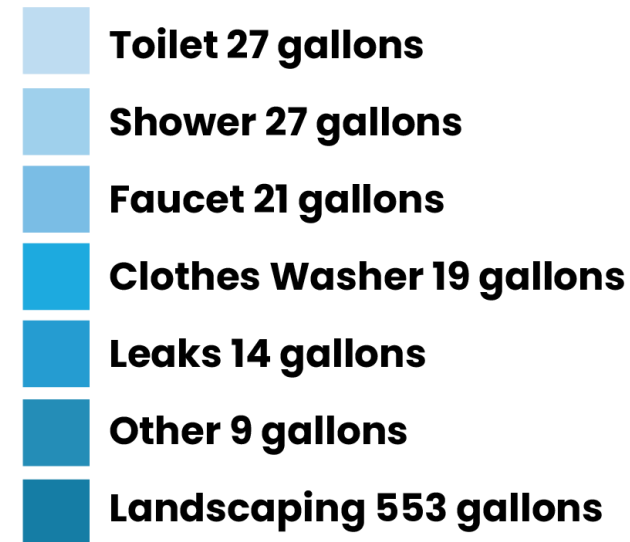
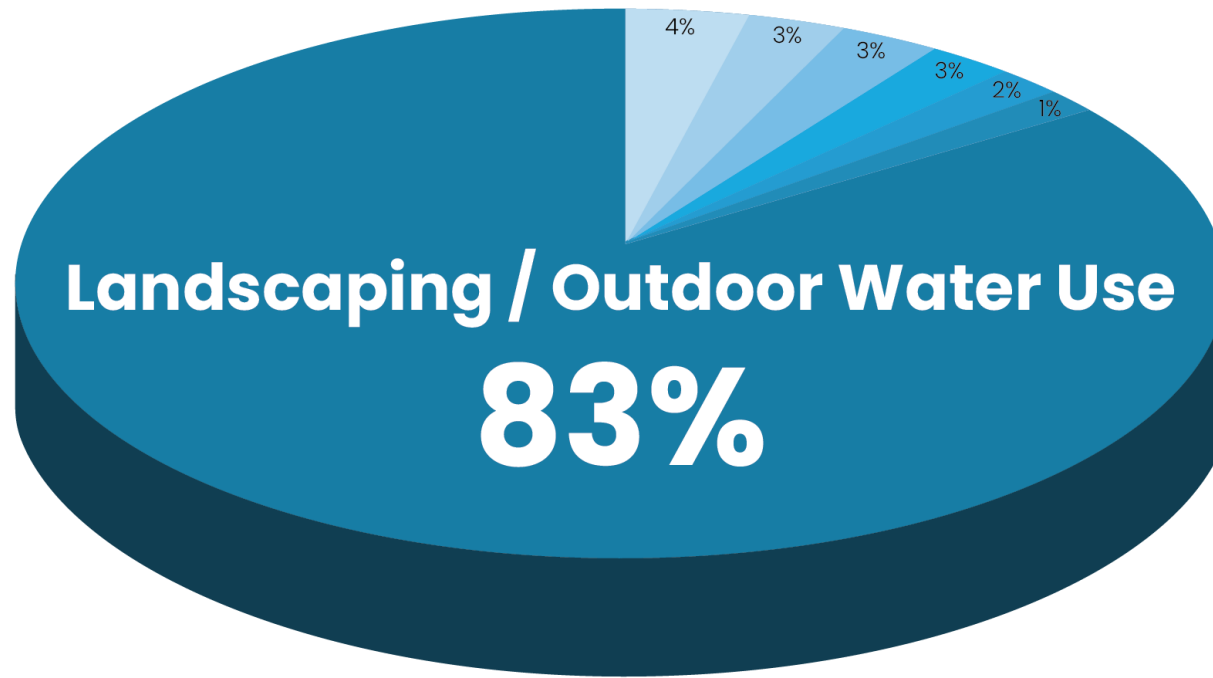
Why SpokaneScape?



Water Use in the City of Spokane

Outdoor watering of lawns and gardens makes up approximately 83% of average home water use in Spokane

Where do We Use Water the Most?



Data is representative of average consumption; your water use may vary.



- 
- An aerial photograph of a suburban neighborhood in Spokane, Washington. The image shows a grid of streets including S Katy Ct, S Scenic Blvd, W 23rd Ave, W 24th Ln, and S Katy Ct. The houses are mostly single-story with various roof colors. The landscape is semi-arid with sparse green grass and some trees. A white text box is overlaid on the top right of the image, containing two bullet points about precipitation and grass needs in Spokane.
- 16.5" precipitation per year in Spokane
 - Grass needs 1.5" per week (48" – 72" per year)

Frederick Law Olmsted

Founding father of American Landscape Architecture



Frederick Law Olmsted

Founding father of American Landscape Architecture



Loved grass.



Frederick Law Olmsted

Founding father of American Landscape Architecture



- Late 1800's
- Inspired by the lawns of grand English estates
- Envisioned lawns as uninterrupted carpet between homes



Lotta Lawn

- 40 million acres of domestic lawns in the US
- 75% of US households have a grass lawn of some kind



Point:

We can do something better with our square footage of land that functions harmoniously within our environment and supports our ecology.



Sustainable Landscaping

SpokaneScape is a water efficient landscape that has been designed specifically for our unique climate in the Inland Northwest. It's a landscape that works for where you live.



Designed for Spokane



Curb Appeal



Lower Maintenance



Water Efficient



Eligibility

1



**Must be a City of Spokane
Water Department Customer**

2



Project is visible from the street

3



**Project has at least 300 square feet of lawn to be
replaced with native and drought tolerant plants**



Requirements



Replace existing grass with native / drought tolerant plants



50% Plant Coverage of Project Area



Mulch depth of 4" – 6"



Efficient watering method



Permeable surfaces & treatments



Why we require 50% plant coverage

- Improve air quality
- Help with water run-off and erosion
- Promote healthy soils
- Provide habitat for birds and beneficial insects



Application Process



Prep Work

Before you remove any lawn, or apply to the program, you will need to prep

Application Process



1 Prep Work

Before you remove any lawn, or apply to the program, you will need to prep

1

Read the terms and conditions to make sure you'll be approved for the program.



SPOKANESCAPE RESIDENTIAL ELIGIBILITY, TERMS & CONDITIONS

Applicant Eligibility:

1. Rebates are for City of Spokane RESIDENTIAL water customers that are in good standing with the Agency.
2. Renters must obtain a permission form signed by the property owner in order to receive the rebate.
3. Rebates are offered on a first come first serve basis and are subject to available funds. Future funding will be dependent upon approval of annual budget.
4. The property can only receive one "SpokaneScape" Rebate per year.

Terms & Conditions:

1. **Qualifying Areas:** The property must have turf visible from a public street/area. If you have already completed a SpokaneScape or xeric style project in the front yard, backyards are an option.
2. **Areas to Convert:** Do not start killing or removing lawn prior to receiving approval. Staff can verify the presence of lawn through Google Maps, the City's GIS system or an on-site visit.
3. **HOA/CC&R:** Prior to submitting a rebate application, applicants must have obtained any necessary approvals for their lawn replacement project from their HOA/CC&R board.
4. **Incentive Amounts:** \$0.50 per square foot. Maximum Rebate: \$500. Must remove a minimum of 300 square feet with exceptions for right of way parking strips.
5. **Site Description:** Applicants are required to submit a simple landscape plan which shows the area to be transformed and a plant list.
6. **Mandatory Inspections** are necessary to verify site descriptions submitted with the application form and adequate completion of the project. Once you have been authorized to begin your SpokaneScape, you have 2 years to complete your project. Starting without COS approval will make the conversion ineligible for a rebate under this program.
7. **Final Inspection:** As soon as all work is complete, you must contact the Water Conservation Team by email or phone to indicate that the work has been completed. COS will schedule your mandatory final inspection. Upon verification of program requirements, the inspector will issue a rebate approval certificate and a rebate will be issued within 4 to 6 weeks in the form of a credit on your utility bill.
8. **Site Details:** COS staff must be allowed to take photos of landscapes prior to, during, and after being renovated through this Lawn Replacement Program and to use those photos for reproduction or promotional purposes including water consumption history.
9. **Important Timelines and Deadlines:** The conversion must be complete within 2 years and the contact person for the project at the COS must be notified upon completion. COS will inspect completed projects for compliance.
10. **Maintenance:** Rebate project must be maintained as a climate appropriate landscape for a minimum of 3 years from the date of the final inspection. If the landscape is not maintained, the City of Spokane reserves the right to order repayment of rebate.

LANDSCAPING REQUIREMENTS FOR CONVERTED AREA:

1. **Plants:** 100% of the plant material must be drought tolerant or considered low water use plants. This can include garden beds. See SpokaneScape Guidebook for rebate approved plants or go to SpokaneScape.org
2. **Plant Coverage:** At completion, converted areas must contain at least 50% living plant cover at maturity.
3. The converted area may not include any live lawn or invasive plant species as identified by the Spokane County Noxious Weed Control Board.
4. Vegetable and production gardens will not count towards the required 50% drought tolerant plant coverage, but they can be included in the overall project area.
5. **Efficient Irrigation Components:** If a watering system is used, all sprinkler heads in the project area must be removed, capped, or replaced with low volume irrigation (drip, micro-spray, bubblers, or rotary nozzles) and must be equipped with a pressure regulator, filter and emitters if applicable.
6. **Prevent Overspray:** If only part of a lawn is converted, the sprinkler system must be properly modified to provide adequate coverage to the remaining lawn without spraying the converted area. Low volume and high volume irrigation must be on separate valves.
7. **Permeable Surfaces & Treatments:** Converted areas must be permeable to air and water. Eligible surfaces can include ungrouted flagstone or permeable pavers. Concrete, plastic sheeting or other impermeable surfaces do not qualify for incentives under the program.
8. **Mulch:** Exposed soil must be completely covered by a minimum of 3" of mulch. Common mulching materials include wood chips, compost, decomposed granite, river rock, and bark. If a weed barrier is used it must be permeable to air and water.
 - Living groundcovers qualify as mulch provided the plants are installed at a density to assure 100 percent plant cover at maturity.
 - **Gravel is not permitted in the planted area. Gravel can only be used in a patio or walking area.**
 - **Artificial turf is not eligible for rebate.**
9. Each site will be considered on a case by case basis for approval of unique circumstances.



Application Process

1

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2 Review the SpokaneScape Guidebook



Application Process

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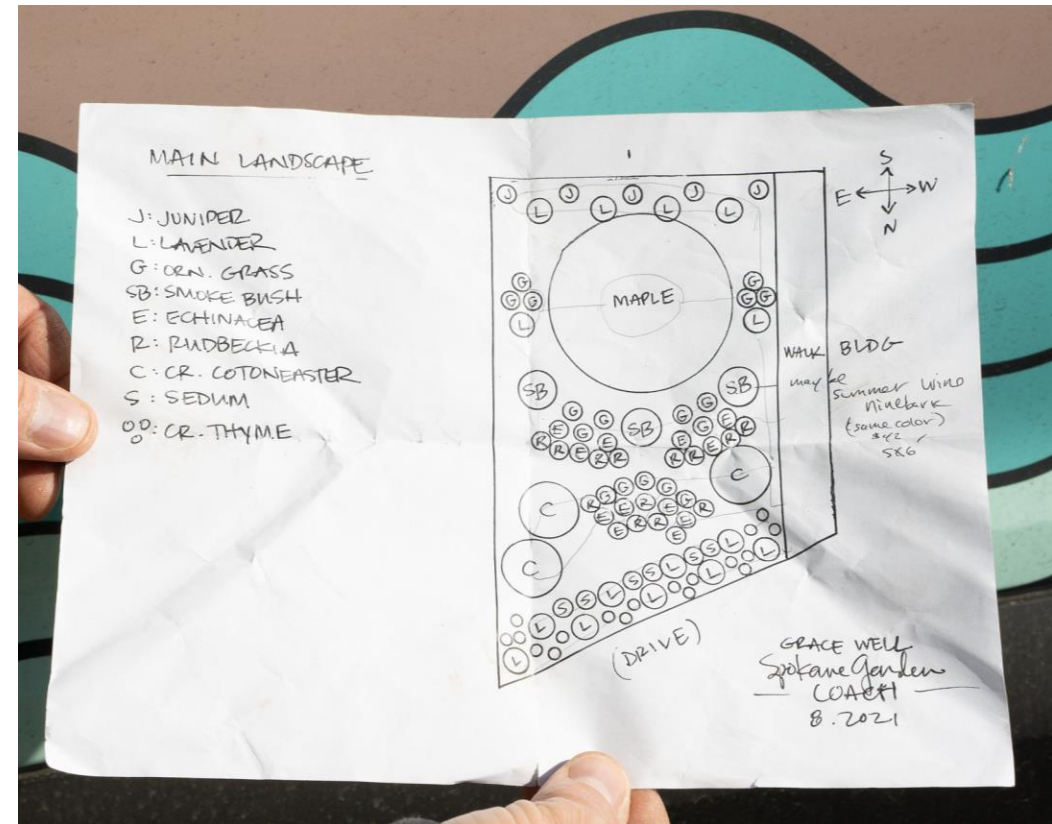
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3 Design a Landscape Plan



Application Process



Prep Work

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Review the SpokaneScape Guidebook

3

Design a Landscape Plan

4

Build a Plant List

PLANT LIST & AREA CALCULATION FORM



DIRECTIONS: Use the following chart to calculate your plant coverage.

A. Total lawn area in square feet (sf) to be converted to a SpokaneScape: 1000

B. Your SpokaneScape must have at least 50% plant coverage at maturity, to figure this area divide A. by 2: 500

All plants must be drought tolerant- see the SpokaneScape Guidebook for pre-approved plants. Plant area calculations are also included on the SpokaneScape plant list.

***DO NOT INCLUDE MULCH AREAS OR EXISTING PLANTS IN THE CALCULATOR**

PLANT NAME	LOW-WATER / DROUGHT TOLERANT	QTY	PLANT WIDTH (ft)	PLANT AREA (w x w = sf)	TOTAL PLANT AREA (PLANT AREA x QTY)
Ex: Yarrow	YES	5	3	3x3=9 sf	5x9=45 sf
Red Flowering Currant	Yes	1	6	16	16
Blue Fescue	Yes	3	1.5	2.25	6.75
Blue Oat Grass	Yes	3	2	4	12
Switch Grass	Yes	1	5	25	25
Idaho Fescue	Yes	5	1.5	2.25	11.25
Potentilla	Yes	3	3	9	27
Little Bluestem	Yes	3	1.5	2.25	6.75
Maiden Grass	Yes	4	5	9	100
Lavender	Yes	3	3	2.25	18
Autumn Joy Sedum	Yes	5	2	25	20
California Poppy	Yes	5	1.5	2.25	11.25
Stella de Oro Day Lily	Yes	14	1	1	14
Christmas Fern	Yes	12	5	25	300
Bergenia	Yes	8	1.5	2.25	18

Application Process



Prep Work

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Read the terms and conditions to make sure you'll be approved for the program.

2

Review the SpokaneScape Guidebook

3

Design a Landscape Plan

4

Build a Plant List

5

Take 2 photos of your project's lawn



Application Process

2

2 Apply!

Collect your landscape plan, plant list, two photos, and utility account number and apply!

Application Steps

Sector*

- ☐ Residential
☐ Non-Residential

Building Type*

--select an item--

Customer Information

Applicant is:*

- ☐ Owner
☐ Renter

First Name*

Last Name*

Email*

Phone*

Mailing Street*

Mailing City*

Mailing State*

WA

Mailing Zip*

Where Did you Hear About the Rebate Program?*

- ☐ Blog or Publication
☐ Utility Bill
☐ Social Media (Facebook/Instagram)
☐ Word of Mouth
☐ Webinar or Workshop
☐ Search Engine (Google, Yahoo, Bing)
☐ Other

Have you participated in the [Water Efficiency Check-Up](#) program?

- ☐ Yes
☐ No

Have you participated in the [Designer at Your Door](#) Program?

- ☐ Yes
☐ No

Site Information

Account Number*

Are Installation & Mailing Address Same?*

- ☐ No
☐ Yes

Address*

City*

State*

WA

ZIP Code*

Rebate Information

Total lawn area in square feet (sf) to be converted to a SpokaneScape:*

Total Drought Tolerant Plant Area (sf) from the "Plant List & Area Calculation Form"

Mulch Type

- ☐ Bark
☐ Compost
☐ Wood Chips
☐ Small Rock (1.5" diameter or less)
☐ Large Rock (2-3" diameter or larger)
☐ Leaves
☐ Pine Needles
☐ Other

Mulch Depth*

- ☐ 3 (minimum)
☐ 4 (ideal)
☐ 5 (minimum)

Application Review & Pre-Inspection

The following are requirements that **must** be indicated on your application in order to be approved for the program.

- I've attached a scaled sketch of my **Landscape Plan**, it includes the name and location of plants.
- I've attached the **Plant List** and **Area Calculations Form** and my project area meets the minimum requirement of 50% plant coverage. 100% of the plant material is drought tolerant or considered low water use plants.
- I've attached/emailed **2 photos** of the existing landscape in the proposed project area.
- The converted area will use low volume irrigation (drip, bubblers or hand-watering).
- Any hardscape in the converted area is permeable.
- Upon submission, you will be redirected to schedule a pre-inspection appointment.**

I Agree*

☐

By participating in the program and accepting the rebates provided, you agree to maintain the converted area as lawn free and reduce your water use. You also thereby release the City of Spokane from any and all claims and causes of action that may arise out of removal of lawn from your property and/or the purchase, installation, and/or use of water efficient devices in connection with this Lawn Replacement Program. If not maintained correctly, installation of drought tolerant plants may not result in reduced water use.

Additional Comments

*- required

Save and Finish Later

Send and Schedule Inspection

Application Process

3

3 Pre-Inspection

Following your application submission, you will be prompted to schedule a Pre-Inspection.

A quick Pre-Inspection is required before beginning any lawn removal.

This allows Water Wise staff to meet with you on-site, to answer questions regarding your project or the program, and to offer labor and money saving tips and tricks.



Application Process

4

4 Installation

Following your Pre-Inspection you will be approved to begin the "**Construction Phase**" of your SpokaneScape!

You will have 2 years in this "Construction Phase" to complete your project.

This time frame should allow you to remove your lawn, purchase plants and mulch materials, and implement that beautiful water saving SpokaneScape.



Application Process

5

5 Final Inspection

You did it! Now that the hard work is behind you and your SpokaneScape is 100% complete, contact the Water Wise team to schedule a final inspection. Upon approval, you will be issued a rebate through your City of Spokane utility bill.

Make sure to check out our other rebates to see if you qualify!



Resources: Guidebook

SPOKANESCAPE

The DIY Guide to Water Wise Landscaping

BEFORE

PAGE 10

GRASS REMOVAL TRICKS THAT WON'T BREAK YOUR BACK

PAGE 2

YOUR GRASS IS PAST!

PAGE 18

CHOOSE FROM 24 KEYSTONE PLANTS FOR BEST IMPACT

PAGE 14

EXPLORE WAYS TO EFFICIENTLY WATER YOUR GARDEN

FIND US ONLINE!

WaterWiseSpokane.org | 2024

WATER WISE SPOKANE

CITY OF SPOKANE

WHY SPOKANESCAPE?

On average, Spokane uses 19 billion gallons of water every year and the majority of it goes towards our landscapes. The thing is, traditional grass lawns aren't built for our climate and they need frequent watering in order to survive. But there's a better way! By switching to Spokanescape and planting native, water-wise plants, we can save water where it matters most.

In addition to conserving water, Spokanescape also brings life to your yard, creating colorful, vibrant habitats that support essential pollinators and local wildlife.

Let's grow beautiful, resilient landscapes that save water, support the environment, and thrive for generations to come!

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- Spokanescape Design 5
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- Flip Your Strip 6
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- Planting 12
- Mulch 13
- Drainage 14
- Raised Beds 15
- Maintenance 16
- Keystone Native Plants 17
- Spokanescape Plant List 19

What's New in This Issue?

- Updated Plant List:** Check out new trees added to the list as well as updated plant classifications! P. 19
- Keystone Native:** Looking to pick plants with the best ecological impact? Choose keystones! P. 18
- Spokanescape 101:** Join us for a crash course to get started and tour the demo garden! P. 4

Why Water-Wise?

Planting less water from the aquifer during summer months supports the health of the Spokane River when it needs it the most. Each time we use water is an opportunity to make a deliberate choice to use this precious resource responsibly.

Spokanescape is... a water-efficient landscape that has been designed for Spokane's high desert climate. A well-designed Spokanescape will beautify your property, protect our natural resources, enhance the environment, and inevitably reduce maintenance.

SOIL AMENDMENTS

Healthy soil grows healthy plants. Consider a soil test prior to choosing your amendments. The Spokane Conservation District and the Master Gardeners Plant Clinic are great local resources for soil testing. The goal is to achieve healthy soil containing microbes which feed plants, improve soil drainage, and increase the natural water holding capacity of your soil with organic matter. One pound of compost can hold up to four times its weight in water! Compost is a common amendment and is highly recommended. Many water-wise and native plants can be harmed by the wrong nutrients, so it's important to understand your plants' needs before adding any amendments.

GRADING

Grade your soil so it directs water away from your home. To help slow water run-off from your garden into the street, sewer systems, and other unwanted areas, consider creating small depressions where the water is allowed to pool and slowly percolate into the soil. Consider installing a dry stream bed to create an attractive feature that slows and holds water on site during rain events.

High sand content soil

Ball of soil falls apart when you open your hand.

Loamy soil

Ball of soil holds its shape, but crumbles when you poke it lightly.

High Clay content soil

Holds its shape and does not crumble when you poke it lightly.

TREES LOVE DONUTS!

High sand content soil

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MULCHING TIPS FOR MAXIMUM IMPACT

- Spread mulch 4"-6" thick across planting areas.
- Make Mulch Donuts: Keep mulch a few inches away from stems and trunks by forming a 4" ring around plants and a 12" ring around trees to prevent rot.
- Spread mulch by hand to avoid damaging plants and ensure it's not too thick (because more isn't always better).
- Use gravel only for patios or pathways, not planting areas. Gravel gives plants the perfect combo of nutrients and sunlight for weeds-yikes!
- Groundcover count as mulch if planted densely enough to provide full coverage at maturity.
- Opt for heavier mulch in breezy spots to keep it from blowing away.
- A generous layer of mulch means fewer weeds and more time to sip lemonade instead of pulling weeds.

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RIGHT TREE, RIGHT PLACE

Planting trees along city's parking strips brings a range of benefits. Trees help improve air quality, manage stormwater, reduce temperatures, minimize noise, and support local biodiversity—just to name a few.

STREET TREE CLASSIFICATIONS

The City of Spokane's Street Tree program requires residents to choose specific trees for specific parking strip conditions. Below is a list of trees that will qualify for both the Spokanescape program and the street tree program.

Class I	Class II	Class III																																																																								
Trees used under power lines	Trees for parking strips 5'-10' wide	Trees for parking strips over 10' wide																																																																								
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GET FIRE-WISE

Often, the difference between saving your home in a wildfire and losing it depends on what you do to prepare your property before the flames arrive. The U.S. Forest Service calls it being "Fire-Wise."

There are no "fire-proof" plants, however, choosing FIRE-RESISTANT vegetation, planting locations, and proper maintenance can greatly lessen your risk to minimize fire danger, keep in mind plants' sizes at maturity, appropriate plant location, and make sure any mulch within 8ft of your home is rock mulch.

The Fire-Resistant Plants for Eastern Washington publication provides guidance to landscaping and examples of plant species to use. View the entire document by scanning the QR code.

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- Groundcover count as mulch if planted densely enough to provide full coverage at maturity.
- Opt for heavier mulch in breezy spots to keep it from blowing away.
- A generous layer of mulch means fewer weeds and more time to sip lemonade instead of pulling weeds.

SOIL AMENDMENTS

Healthy soil grows healthy plants. Consider a soil test prior to choosing your amendments. The Spokane Conservation District and the Master Gardeners Plant Clinic are great local resources for soil testing. The goal is to achieve healthy soil containing microbes which feed plants, improve soil drainage, and increase the natural water holding capacity of your soil with organic matter. One pound of compost can hold up to four times its weight in water! Compost is a common amendment and is highly recommended. Many water-wise and native plants can be harmed by the wrong nutrients, so it's important to understand your plants' needs before adding any amendments.

GRADING

Grade your soil so it directs water away from your home. To help slow water run-off from your garden into the street, sewer systems, and other unwanted areas, consider creating small depressions where the water is allowed to pool and slowly percolate into the soil. Consider installing a dry stream bed to create an attractive feature that slows and holds water on site during rain events.

GRASS REMOVAL

There are multiple ways to remove your grass: the choice is yours. Keep any remaining lawn from spreading into your new Spokanescape beds by edging six inches deep around its perimeter and covering all exposed soil with 4"-6" of mulch.

SHEET MULCHING

There are many benefits to using the sheet mulching method, especially if you are converting a large area. Benefits include minimizing labor, less waste, and the ability to plant immediately.

1. Begin by removing several inches of grass and soil from the edges of your lawn area. (See trench edging section below.)

2. Wet the lawn area to be removed, cover it with a layer of thick plain cardboard, and water again. If you want an optimum the level of weed suppression, consider adding a second layer of cardboard to the first with a thin layer of compost in between.

3. Once you have your cardboard placed, saturate with water and cover with 4"-6" of your preferred mulch. You can plant immediately but ideally you will allow several weeks for the soil microbes to decompose the lawn below, making the soil more ideal for plant life.

MECHANICAL STRIPPING

Soil strippers are available to rent at most hardware stores. Using a soil stripper to strip your lawn is not recommended around existing trees. Apply mulch immediately to prevent grass from resprouting.

TALE OF TELLING

A CAUTIONARY: If you choose to till, proceed with great caution. Do not till an area as this may cause erosion, tilting stems up weed seeds that were lying buried, so be ready to place your mulch immediately.

TRENCH EDGING

Along your hardscape, lawn and soil should be removed 6" and tapered a foot into the landscape. This creates a seat for your mulch to sit so that it doesn't shift off into your hardscape (or existing landscape such as a neighbor's yard), and prevents weeds from growing on the edge.

DRIP SET-UP FROM FAUCET

MAKE SURE YOUR IRRIGATION IS BACKFLOW COMPLIANT WAC 246-290

DRIP SET-UP FROM FAUCET

MAKE SURE YOUR IRRIGATION IS BACKFLOW COMPLIANT WAC 246-290

Resources: DIY Videos

Go to SpokaneScape.org and click DIY SpokaneScape



Resources: DIY Videos



DIY SpokaneScape Part One: DESIGN



DIY SpokaneScape Part Two: TURF REMOVAL



DIY SpokaneScape Part Three: SHEET MULCHING



DIY SpokaneScape Part Four: IRRIGATION



DIY SpokaneScape Part Five: PLACING PLANTS



DIY SpokaneScape Part Six: PLANTING TREES



DIY SpokaneScape Part Seven: FINE-TUNING



DIY SpokaneScape: DRIP IRRIGATION BONUS

Resources: Virtual Tour

Go to SpokaneScape.org and click on Virtual Tour



Resources: Virtual Tour

Click “View Full Map”

The screenshot shows the SpokaneScape Virtual Tour website. At the top, there's a navigation bar with links for 'live', 'work', 'enjoy', and 'engage'. Below this is a banner image of a garden. The main content area features a map of Spokane with various colored pins indicating different water-wise projects. A blue button labeled 'View Full Map' is prominently displayed, along with a button labeled 'Add or Remove Your Garden'. The footer includes the City of Spokane logo and contact information for MySpokane 311.

Peruse projects from 2018 – 2025!

The screenshot displays the SpokaneScape Virtual Tour map interface. On the left, a sidebar lists projects by year, each with a dropdown arrow and a button to view all items:

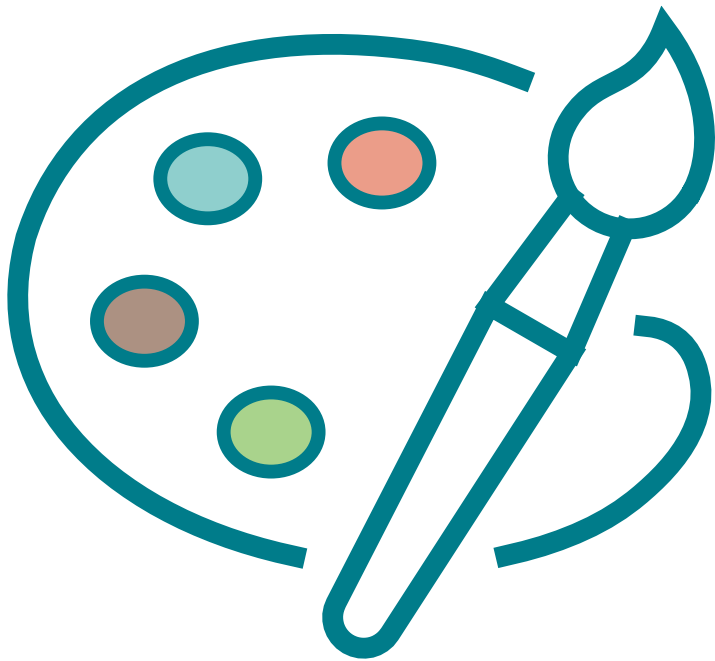
- 2018 SpokaneScape Installations (All items)
- 2019 SpokaneScape Installations (All items)
- 2020 SpokaneScape Installations (All items)
- 2022 SpokaneScape Installations 3.csv (All items)
- 2021 SpokaneScape Virtual Tour.xlsx (All items)

The main map area shows a detailed view of a neighborhood in Spokane, with various colored pins indicating different water-wise projects. The map is created using Google My Maps.

Resources: Virtual Tour

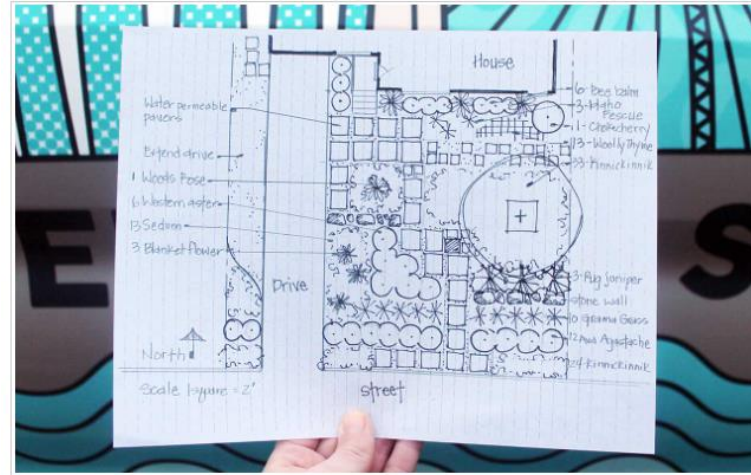


Resources: Design Templates



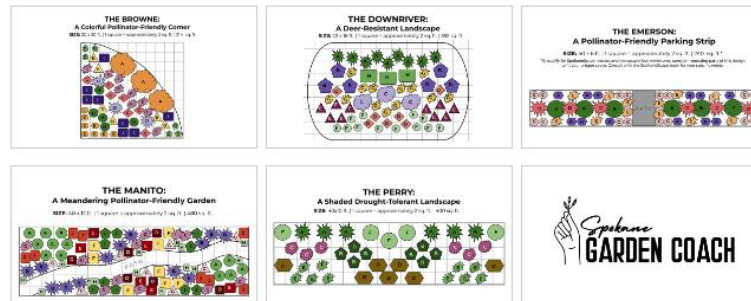
Water Water Wise Spokane SpokaneScape Design Templates

Landscape Design Templates



Deciding which plants and features you want for your landscape can be a difficult and overwhelming process. To help make this process as easy as possible, we have partnered with the Spokane Garden Coach to create a variety of free design templates that are available to use as your landscape plan and plant list. Whether you're tearing out a corner of your lawn, redesigning your parking strip, or removing all of your turf, we have pre-approved landscape plans ready with all the information you would need to start your SpokaneScape!

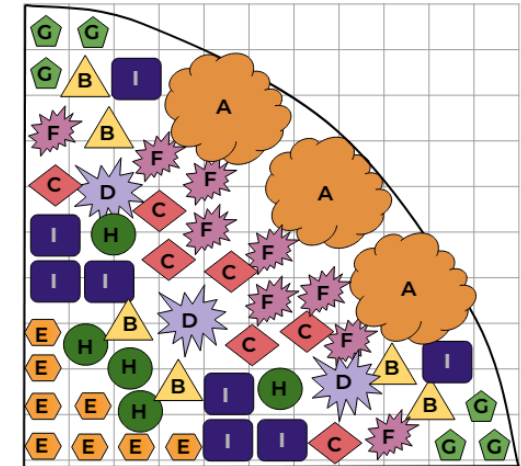
We encourage you to personalize the pre-made landscape designs by substituting plants or adding features to make your SpokaneScape unique and stand out! All 5 design templates meet the program requirements and are ready to attach to your application.



THE BROWNE:

A Colorful Pollinator-Friendly Corner

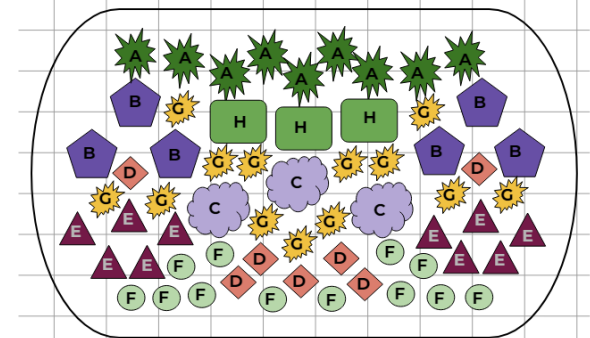
SIZE: 20 x 20 ft. | 1 square = approximately 2 sq. ft. | 314 sq. ft.



THE DOWNRIVER:

A Deer-Resistant Landscape

SIZE: 22 x 16 ft. | 1 square = approximately 2 sq. ft. | 352 sq. ft.



Resources: Professional Assistance

Go to SpokaneScape.org and click SpokaneScape Pros





SPOKANESCAPE PROS

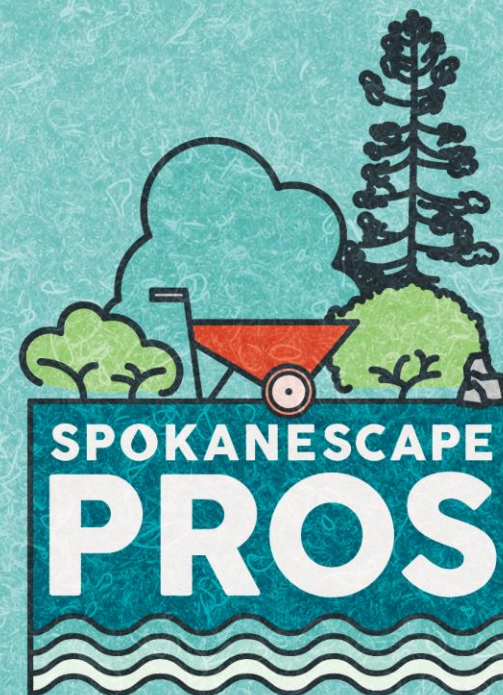
Incredible program partners!

Local professionals who are passionate about providing their customers with water-efficient landscaping products and services and have a clear understanding of SpokaneScape program requirements.

✓ Construction
and Maintenance

✓ Landscape
Architecture
and Planning

✓ Nurseries and
Plant Supplies



Resources: Professional Assistance



Have a Pro do your project? They can apply for you too!

NEED A HAND?

Work With a SpokaneScape Certified Pro

CONSTRUCTION & MAINTENANCE

2nd Nature Landscaping
2ndnaturewa.com
509-999-8104

Deep Roots Garden & Landscaping
509-216-4835

Earthmover Home Solutions
nweathmover@gmail.com
509-993-9940

Fotheringham Gardens
fotheringhamgardens.com
509-342-6018

Garden Landscapes
theenglishlandscaper.com
509-263-0384

GardenUp Landscape
gardenuplandscape.com
509-768-5442

K2 Landscaping
k2landscaping.com
509-678-1773

Lawrence Landscape and Sprinklers, LLC
lawrencelandscapeandsprinklers.com
509-720-7276

Mulch On
mulch-on.com
509-768-3607/v
Pacific Garden Design
pacificgardendesign.com
509-838-3939

Rabbitbrush
rabbitbrushnw.com
509-903-5591

Rexcellent, Inc.
rexcellentinc.com
509-557-0337

Smart Water Solutions
smartwatersolutions.org
509-251-2006

Twin Gardens LLC
twingardensllc.com
509-866-9424

Spokane Boys
spokaneboysinc.com
509-487-0295

LANDSCAPE ARCHITECT

Michael Terrell Landscape Architecture PLLC
mt-la.com
509-922-7449

Place Landscape Architecture
place-la.com
509-570-2157

Spokane Garden Coach
spokanegardencoach.com
509-325-0511

SPVV Landscape Architects
spvv.com
509-325-0511

Storhaug Engineering
storhauginc.com
509-242-1000

The Phoenix Conservancy
phoenixconservancy.org
425-757-6890

PLANTS & SUPPLIES

Barn and Blossom
barnandblossom.com
509-448-3894

Blue Moon
bluemoonplants.com
509-747-4255

Floralia
floralianursery.com
509-724-0223

Humbird's Natives & Nearby
calluna.cultivation
@yahoo.com
509-218-5504

Plants of the Wild
plantsofthewild.com
509-284-2848

Ritters Garden & Gift
4ritter.com
509-467-5258

Seed-2-Seed Native Plants
seed2seednw.com
509-389-6785

Tanager Greenhouse
tanagergreenhouse.com
206-953-4246

Trellis and Table
trellisandtable.com
509-359-0064

Twinflower Nursery LLC
twinflowerplants@gmail.com
810-569-8089



Professional Assistance

Let's face it, we're all not all DIYers. Because of this, we've connected with local businesses who are passionate about providing their customers with water-efficient landscaping products and services. The following professionals have a clear understanding of SpokaneScape program requirements and are ready to assist you with your water-wise landscape and rebate! *Disclosure: Inclusion on this list is not an endorsement from the City, typical consumer due diligence is recommended.*



Construction & Maintenance

Landscape Architecture & Planning

Nurseries & Plant Supplies

Join the list of SpokaneScape Certified Professionals!



Local landscape architects, designers, contractors, plant nurseries, and material suppliers can join our SpokaneScape Professional Certification Program by filling out an application and completing a quiz.

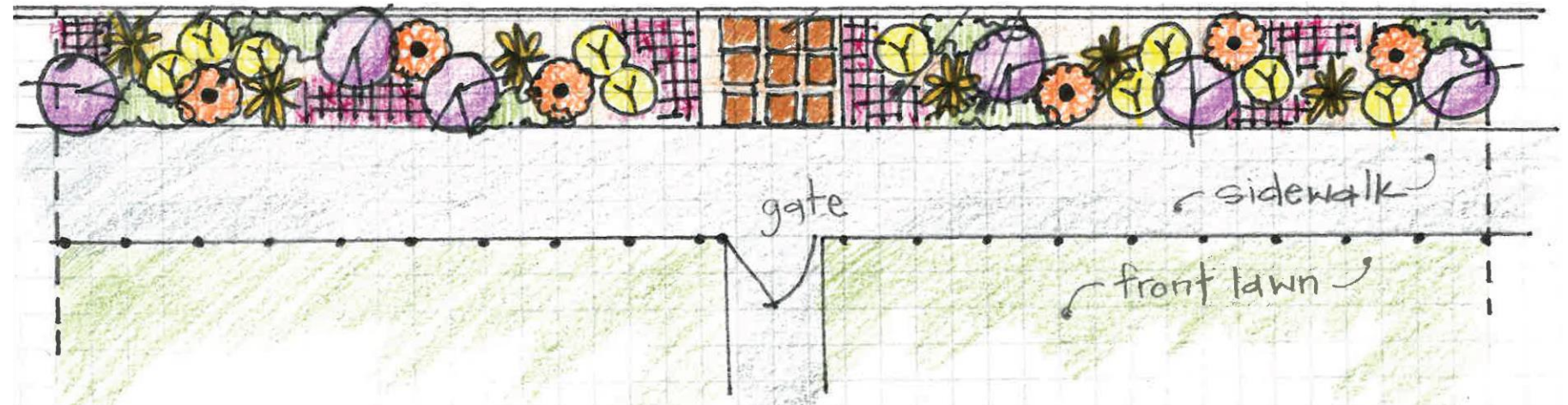
- Complete the [SpokaneScape Professional Certification Application](#)
- And take our mandatory [SpokaneScape Certified Professional Quiz](#)

Want to Start Small? Flip your Strip!

**Parking
Strips are
eligible!**

**No minimum
on square
footage!**

**Templates
available
online!**



Resources: Designer at Your Door



Need Help Getting a Design Started?

Sign up for a one-hour FREE design consultation from an industry professional

DESIGNER AT YOUR DOOR

- **Goals:** discuss your landscape goals, style preferences, and any specific design features you want to incorporate.
- **Site Review:** microclimates, soil types, drainage, and existing plants and structures.
- **Design:** a conceptual SpokaneScape design, site plan, and plant list.





DESIGNER AT YOUR DOOR

Eligibility for 1:1
Design Consultations



**SPOKANE
SCAPE101**

Process Recap!



- 1 **Prep Work**
- 2 **Apply!**
- 3 **Pre-Inspection**
- 4 **Installation**
- 5 **Final Inspection**

Resources Recap!



Guidebook



DIY Videos



Virtual Tour



Pros



Designer at Your Door





FOUR-STEP DESIGN PROCESS

- Know Your Site.
- Know. Your. Needs!
- Make it Your Own.
- Make it a Reality!

**KNOW
YOUR
SITE.**

1) Graph Paper!

2) Property Line



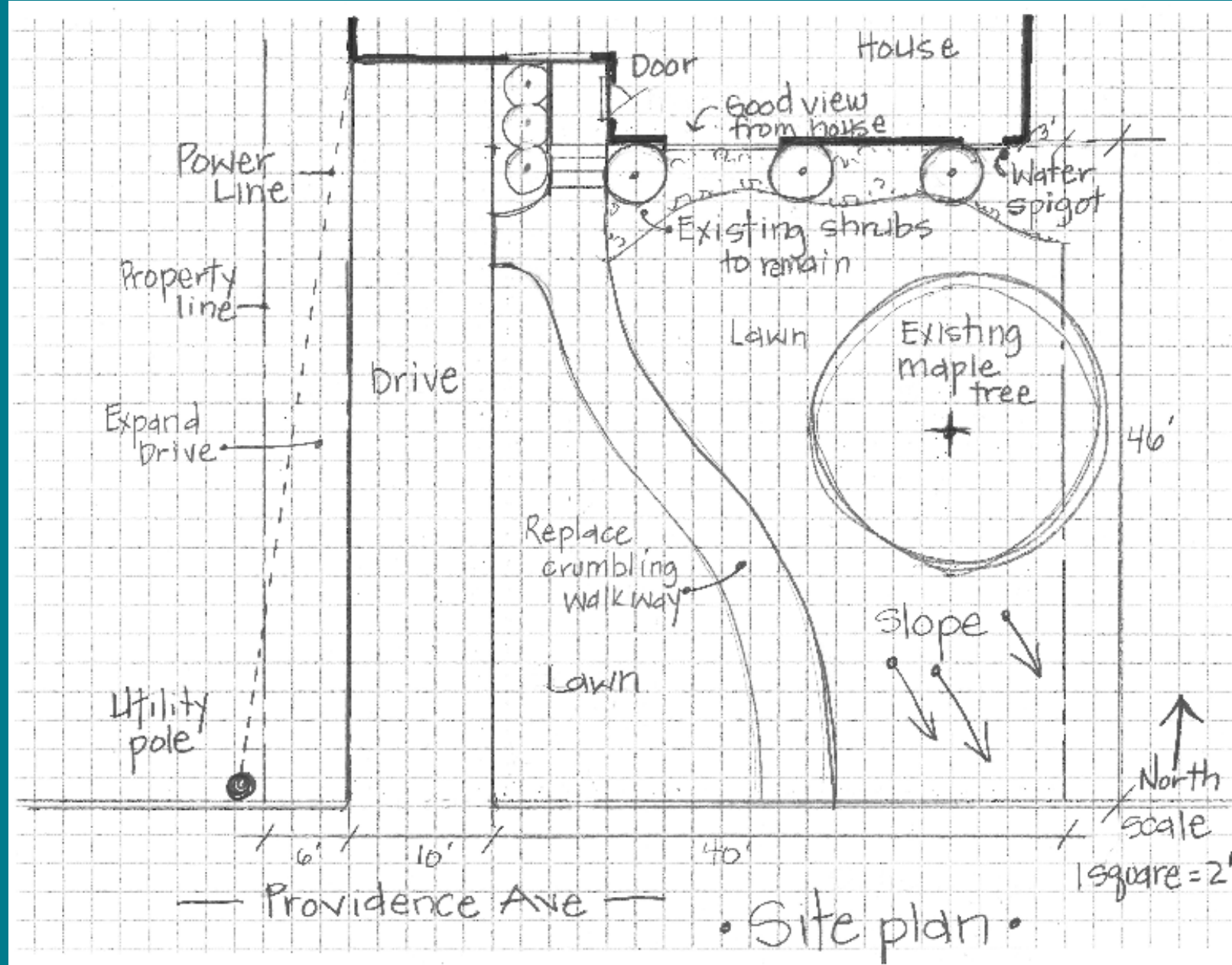
2) House

3) Hardscape

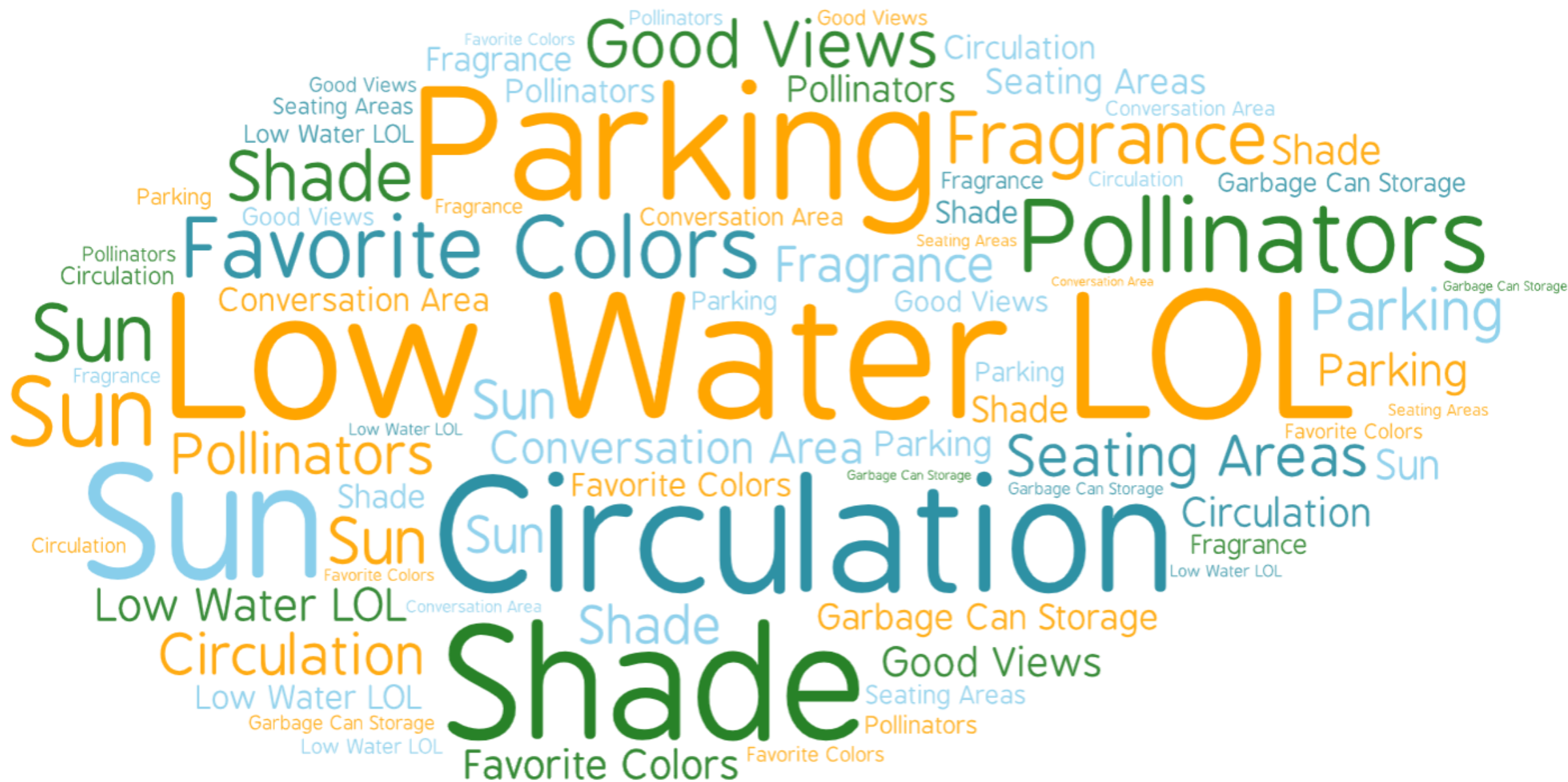
4) Existing
Plant
Materials

5) Make Several
Copies!

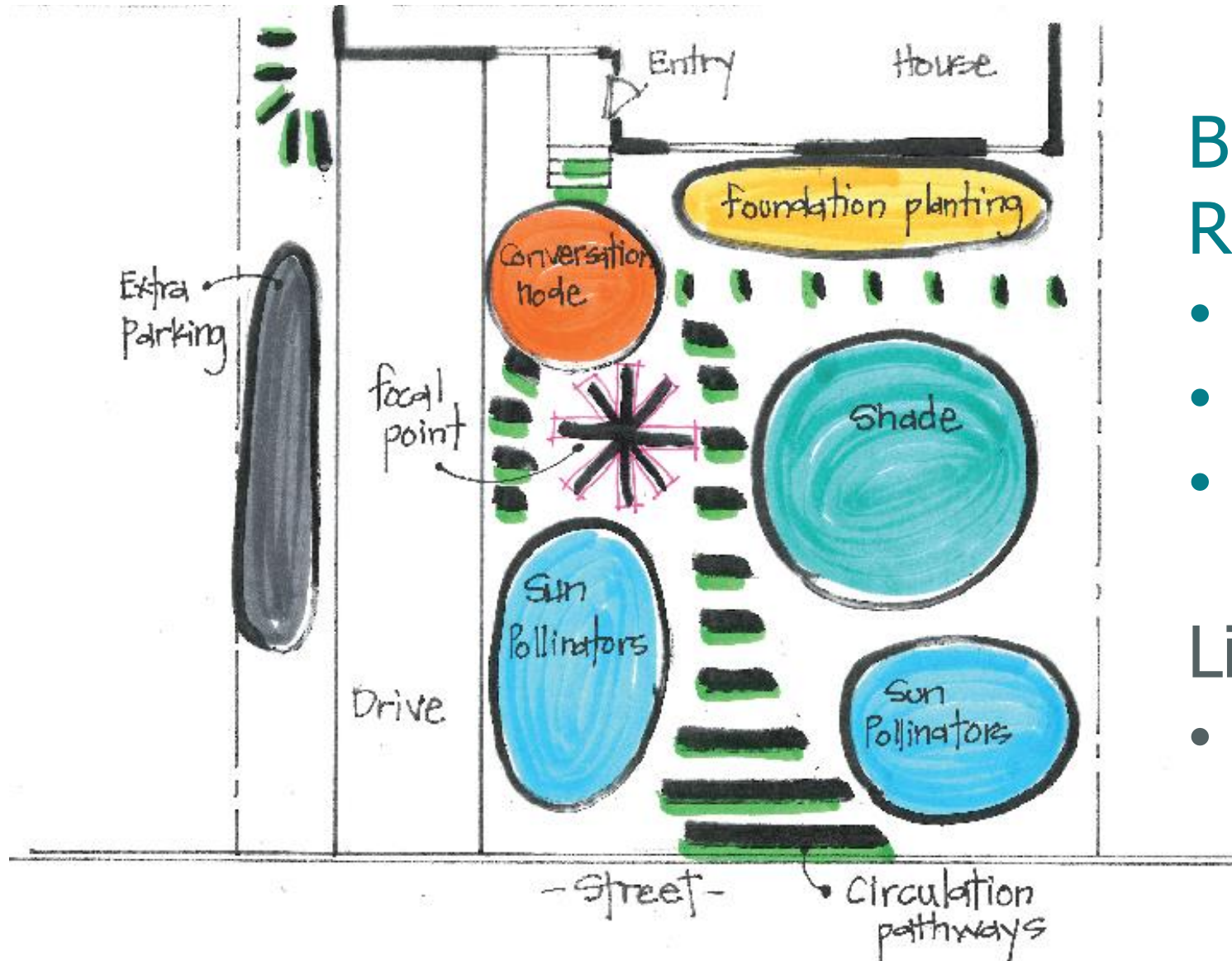
Site Plan



**KNOW.
YOUR.
NEEDS!**



BUBBLE DIAGRAM



Bubbles
Represent:

- Spaces
- Functions
- Elements

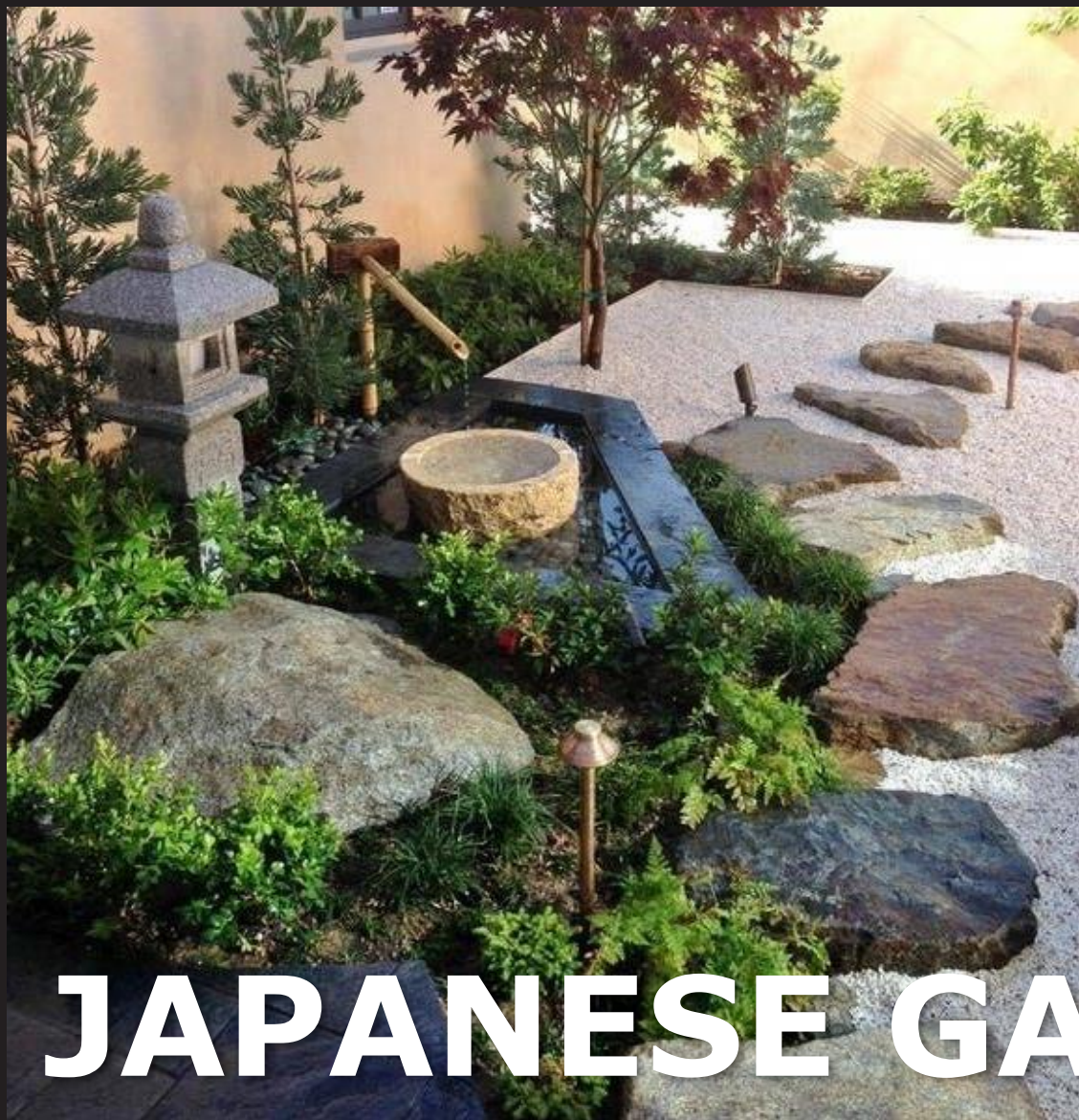
Lines Show:

- Relationships

**MAKE IT
YOUR OWN!**

ENGLISH COTTAGE DESIGN





JAPANESE GARDEN DESIGN

CONTEMPORARY GARDEN DESIGN



**& Tips
tricks**

TIP:
CREATING A
WILDLIFE HABITAT!

A photograph of a small, dark-colored dog with white speckles, possibly a Chihuahua mix, sitting in a field of native plants. The dog is wearing a black collar with the word "RUPPIA" visible and has its tongue out. The background is filled with various green plants, including large-leafed ones and clusters of small yellow and purple flowers. The text "NATIVE PLANTS!" is overlaid in the center in a large, white, bold font.

NATIVE PLANTS!

TYPICAL URBAN LANDSCAPE BIRDS



Black Capped Chickadee



American Robin



American Gold Finch



Red Breasted Nuthatch



Calliope Hummingbird

NATIVE LANDSCAPE BIRDS



Brown
Creeper



Golden Crowned
Kinglet



Stellar
Jay



Wild
Turkey



Hairy
Woodpecker



Dark Eyed
Junco



American
Robin



Red
Breasted
Nuthatch



Red
Crossbill



Yellow
Rumped
Warbler



Chipping
Sparrow

Bird Lovin Plant Examples



FORM FOLLOWS FUNCTION





INSPIRATION

INSPIRATION: Demo Gardens



WSU Master Gardeners Garden – 222 N Havana St Spokane, WA 99212

INSPIRATION: Virtual Tour







**ONE
THREE
FIVE
LAYERING**

FOUR SEASON INTEREST



Spring



Summer



Fall



Winter

**PICK YOUR
COLORS.**



EXCITEMENT PALETTE



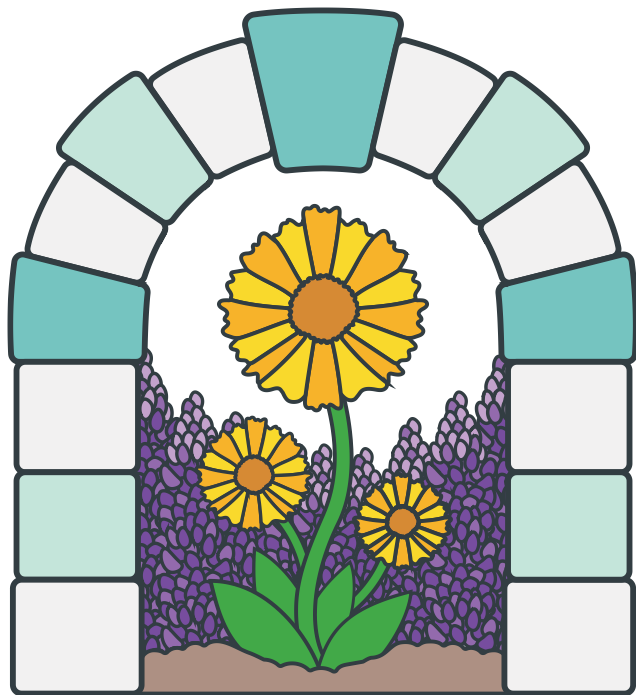
ROMANCE PALETTE!





YELLOW PALETTE





**MAKE IT
A REALITY.**



**PICK
YOUR
PLANTS!**



KEYSTONE NATIVE PLANTS

Ecoregions 6 and 10

6

Northwestern
Forested
Mountains



10

North
American
Deserts



The keystone native plants in the Spokane area are a unique combination of arid forest plants and high desert species. The expansion of urban development has threatened local ecosystems and numerous native species that have lived here for thousands of years. Incorporating local keystone native plants to your SpokaneScape will ensure your plants thrive and will invite caterpillars, pollinators, and birds back into our community.

Guidebook: SpokaneScape Plant List

SPOKANESCAPE PLANT LIST



Light Needs

- Full Sunshine
- Partial Sunshine
- Shade

TREES

Botanical Name Common Name	Size (w x h)	Area (SF)	Flower Color - Bloom Time	Light Needs	Attributes	Characteristics	Origin
Celtis occidentalis Hackberry Magnifica	50' x 50'	2500	White Green AM	☀️	🌿 🐦 🐝	Upright form, smooth gray bark, and lush green foliage. Provides excellent shade.	🇺🇸
Catalpa speciosa Northern Catalpa	50' x 70'	2500	White AMJ	☀️	🌿 🐦 🐝	Fast-growing, known for its large, heart-shaped leaves. Interest throughout the fall and winter.	🇺🇸
Cytisus tentaculata Yellowwood	45' x 30'-50'	2025	White M	☀️	🌿 🐦 🐝	Grounds tree known for cascades of flowers and smooth gray bark. Thrives in well-drained soil.	🇺🇸
Eucalyptus alba Hardy Rubber Tree	30-50' x 40-60'	1600	Greenish Brown AM	☀️	🌿 🐦 🐝	Typically grown as an ornamental shade tree, attractive glossy green foliage, excellent resistance to insect and disease problems.	🇺🇸
Ginkgo biloba Maidenhair Tree	40' x 40-50'	1600	Green A	☀️	🌿 🐦 🐝	Priest for its fan-shaped leaves that turn golden in fall. Highly resilient and low-maintenance.	🇺🇸
Gleditsia triacanthos Honey Locust	25-40' x 30-40'	1600	Green Yellow MJ	☀️	🌿 🐦 🐝	Fast growing with dry, fern-like foliage. Thornless and adaptable.	🇺🇸
Gymnocladus dioica Kentucky Coffee Tree	40-50' x 50-60'	2500	White MJ	☀️	🌿 🐦 🐝	Unique, coarse branches, feathery compound leaves and seed pods. Provides light shade.	🇺🇸
Pinus aristata Bristlecone Pine	10-15' x 8-20'	225	Red / Burgundy J	☀️	🌿 🐦 🐝	Very slow-growing; nice dark green color and interesting, sometimes contorted form. Prone to fire, plant wisely.	🇺🇸
Pinus contorta Lodgepole Pine	40' x 100'	1600	N/A	☀️	🌿 🐦 🐝	Fast growing. Needs pruning to maintain its shape and full sun to develop its best form. Attracts birds!	🇺🇸
Pinus edulis Pinon Pine	20' x 15'-50'	300	Yellow AM	☀️	🌿 🐦 🐝	Very slow growing ornamental conifer, produces edible pine nuts.	🇺🇸
Pinus monticola Western White Pine	30' x 100'	900	N/A	☀️	🌿 🐦 🐝	Has considerable aesthetic value and is found in many outdoor recreation sites. Collectors favor distinctive cones. Attracts birds!	🇺🇸
Pinus ponderosa Ponderosa Pine	40' x 100'	1600	N/A	☀️	🌿 🐦 🐝	Lush green color and bark has a pleasant vanilla fragrance. A Spokane staple.	🇺🇸
Prunus emarginata Oregon Cherry	30' x 50'	900	White AMJ	☀️	🌿 🐦 🐝	Thicket forming shrub or small tree with reddish-gray smooth bark. Flowers have a pleasant almond fragrance. Fruit is juicy, but bitter.	🇺🇸
Quercus coccinea Scarlet Oak	40-50' x 10'	2500	Yellow Green AM	☀️	🌿 🐦 🐝	Known for its deeply lobed leaves. Provides excellent shade and year-round interest.	🇺🇸
Quercus macrocarpa Bur Oak	60-80' x 10'	6400	Yellow Green A	☀️	🌿 🐦 🐝	Tough, long-lived tree with thick, edged bark and broad, lobed leaves. Resilient and provides shade.	🇺🇸
Quercus rubra English Oak	40' x 40'	1600	Yellow Green A	☀️	🌿 🐦 🐝	Majestic, long-lived tree with a broad canopy, deeply lobed leaves, and small acorns.	🇺🇸
Quercus rubra Northern Red Oak	75' x 75'	5625	Yellow Green MAM	☀️	🌿 🐦 🐝	Fast-growing, resilient tree with a strong, upright form and deeply lobed leaves. Provides shade.	🇺🇸
Sorbus aucuparia European Mountain Ash	15' x 40'	225	White MJ	☀️	🌿 🐦 🐝	Small, deciduous tree. Adds seasonal interest.	🇺🇸
Sorbus scopulina Greene's Mountain-Ash	10' x 20'	100	White MAM/JA	☀️	🌿 🐦 🐝	Deciduous shrub with shiny orange berries and leaves that turn a brilliant orange/red.	🇺🇸
Tilia tomentosa Silver Linden	30-50' x 30-70'	2500	Pale Yellow J	☀️	🌿 🐦 🐝	Medium-sized tree with heart-shaped leaves that have a silvery underside, creating a striking effect in the breeze.	🇺🇸

SPOKANESCAPE | 19

Characteristics	Origin
Medium moisture, well-some drought. Adapts to a big heavy clay.	🇺🇸
Flowers and seeds are red.	🇺🇸
Reddish-brown bark. Adds seasonal interest.	🇺🇸
Organically rich, well-drained soil.	🇺🇸
Thickets, ideal for bird habitat.	🇺🇸
Colorful white spring day bark for winter interest. Established, it supports	🇺🇸
Leaves decorate the strongly linear, ferny leaves are	🇺🇸
Great for residential yards. Glens. Blend into sweeping seasonal change.	🇺🇸
Artful branching and many form for multi-season interest. Infertile soil.	🇺🇸
Not perist into winter. Great for birds. Large 1-inch thorns	🇺🇸
Not perist into winter. Great for birds. Large 1-inch thorns	🇺🇸
In for its silver-gray bark, and bright yellow fall interest.	🇺🇸
Wooded slopes and shady	🇺🇸
Graceful arching branches. Excellent choice for	🇺🇸
Great for hedges or excellent nesting habitat, a red berries are good forage	🇺🇸
For rows of windbreak	🇺🇸
Not perist for bright yellow	🇺🇸
Med shrub/small tree.	🇺🇸

Characteristics	Origin
Brilliant fall and 2-inch shiny berries. Well-suited to shrub plantings.	🇺🇸
Shrub. Occasionally a small tree. Great for slopes and bird habitat.	🇺🇸
Shrub clusters of bright red. Works well in mixed	🇺🇸
Summer color in flower growing, shrubby	🇺🇸
Red/purple branches and flowers.	🇺🇸

Hummingbird Food 🐦 Fragrant

Characteristics	Origin
Hardy plant. Spreads rapidly through forming dense groundcover. Great for plant.	🇺🇸
Spreads freely to form dense thickets. Good in control.	🇺🇸
Its fragrant clusters of flowers. Thrives in red soil, attracts pollinators.	🇺🇸
Great screening plant with large, thick leaves. In to bright red berries in the fall and then black in the winter.	🇺🇸

Characteristics	Origin
Very green leaves covered in velvety. Rounded clustered pop of flowers.	🇺🇸
Spies dense mat that prevents weed growth. Evergreen, glossy leaves that turn fish in fall.	🇺🇸
Artful branching and many form for multi-season interest. Infertile soil.	🇺🇸
Not perist into winter. Great for birds. Large 1-inch thorns	🇺🇸
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Hummingbird Food 🐦 Fragrant

- Trees
- Ornamental Trees
- Shrubs
- Groundcover
- Perennials
- Grasses

Guidebook: SpokaneScape Plant List

SpokaneScape Plant List Key



Keystone
Plant



Butterfly
Food or
Nesting



Bee Food or
Nesting



Bird
Habitat
& Forage



Hummingbird
Food



Fragrant



Berries



Fall
Color



Winter
Interest



Evergreen



Erosion
Control



Deer
Resistant
Plant



Fire-Wise
Plant
See Page 5 for
more information



= Spokane Native



= Eastern Washington Native



= Water Wise

Light Needs



Full Sunshine



Partial Sunshine



Shade

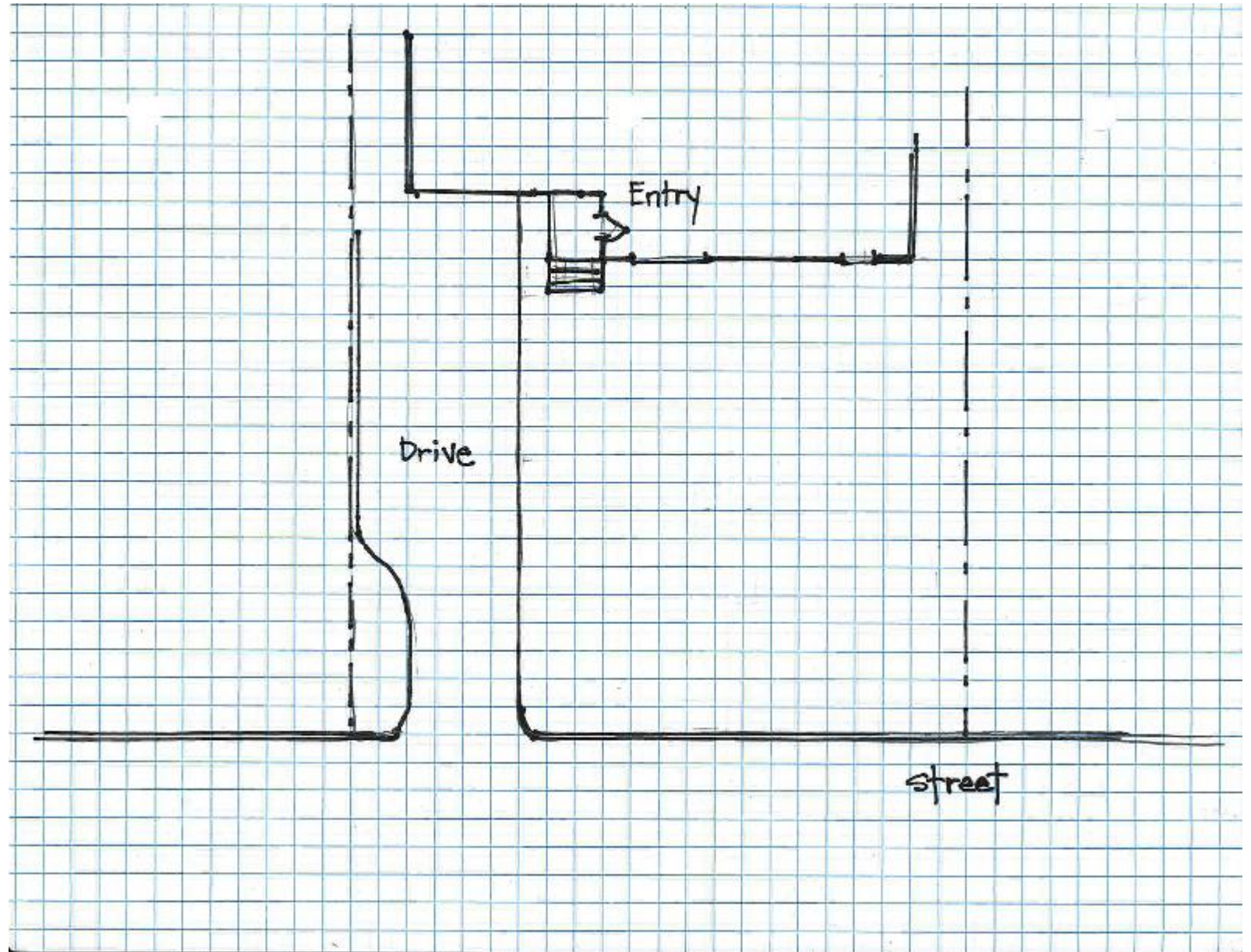
Guidebook: SpokaneScape Plant List

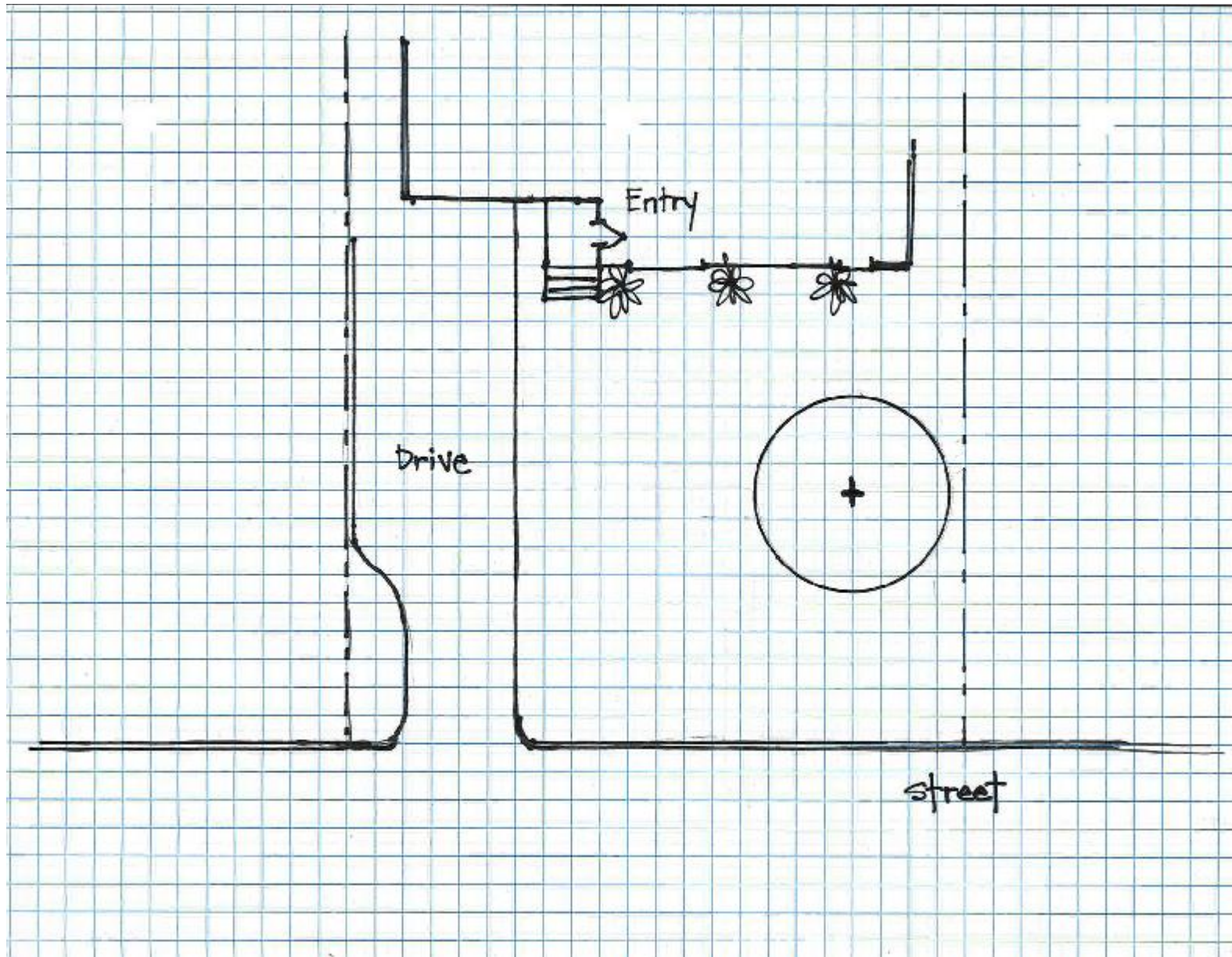
PERENNIALS

Botanical Name Common Name	Size (w x h)	Area (SF)	Flower Color + Bloom Time	Light Needs	Attributes	Characteristics	Origin
<i>Achillea millefolium</i> Yarrow	1' x 3'	1	White JJAS	  	      	A prolific plant, grows vigorously with moisture. Fine leaves and showy flowers.	
<i>Agastache foeniculum</i> Anise Hyssop	3' x 4'	9	Lavender JJAS	  	    	Of the mint family with anise-scented foliage. Attracts hummingbirds!	
<i>Agastache rupestris</i> Hummingbird Mint	2' x 2'	4	Orange / Purple JASO	 	      	Root beer scented foliage and tall spikes of tubular flowers. Very attractive to hummingbirds.	
<i>Allium cernuum</i> Nodding Onion	1' x 1'	1	Purple MJJ	 	    	A dozen or so flowers atop a shepherd's crook stem. Grass-like leaves.	
<i>Allium</i> species Ornamental Allium	Varies	Varies	Large Variety of Colors AM	 	   	Ornamental Onion. Plant as bulbs in the fall. Likes well draining, slightly acidic soils. Mildly toxic to humans, dogs, and cats.	
<i>Anaphalis margaritacea</i> Pearly Everlasting	2' x 3'	4	Yellow / White JJAS	 	 	Topped with clusters of long-lasting, button like flowers; perfect for dried floral arrangements.	
<i>Artemisia frigida</i> Fringed Sage	1.5' x 1.5'	2.25	White / Yellow JAS		  	Plants are mat forming, with very fragrant woolly grey-green foliage and inconspicuous flowers.	
<i>Artemisia ludoviciana</i> Silver Sage	3' x 3'	9	White / Yellow JJASO		    	Grown for its striking silver foliage, attractive accent plant in the garden. Can be a spreader.	
<i>Asclepias fascicularis</i> Narrowleaf Milkweed	1' x 2.5'	1	Lavender JJAS		      	Extremely adaptable plant. Milkweed plants are critical to Monarch survival.	
<i>Asclepias speciosa</i> Showy Milkweed	1.5' x 3'	2.25	Pink MJJAS		      	A prolific plant that gives way to prominent seed pods with silvery-white, silky hairs. Milkweed plants are critical to Monarch survival.	
<i>Asclepias tuberosa</i> Orange Milkweed	2' x 1'	4	Orange MJJA		     	Vibrant orange blooms are a welcome spot of color for any low-water garden. It adapts to drought by sending a deep root.	

1

START WITH YOUR BASE PLAN





2

**ADD IN YOUR
EXISTING
VEGETATION**

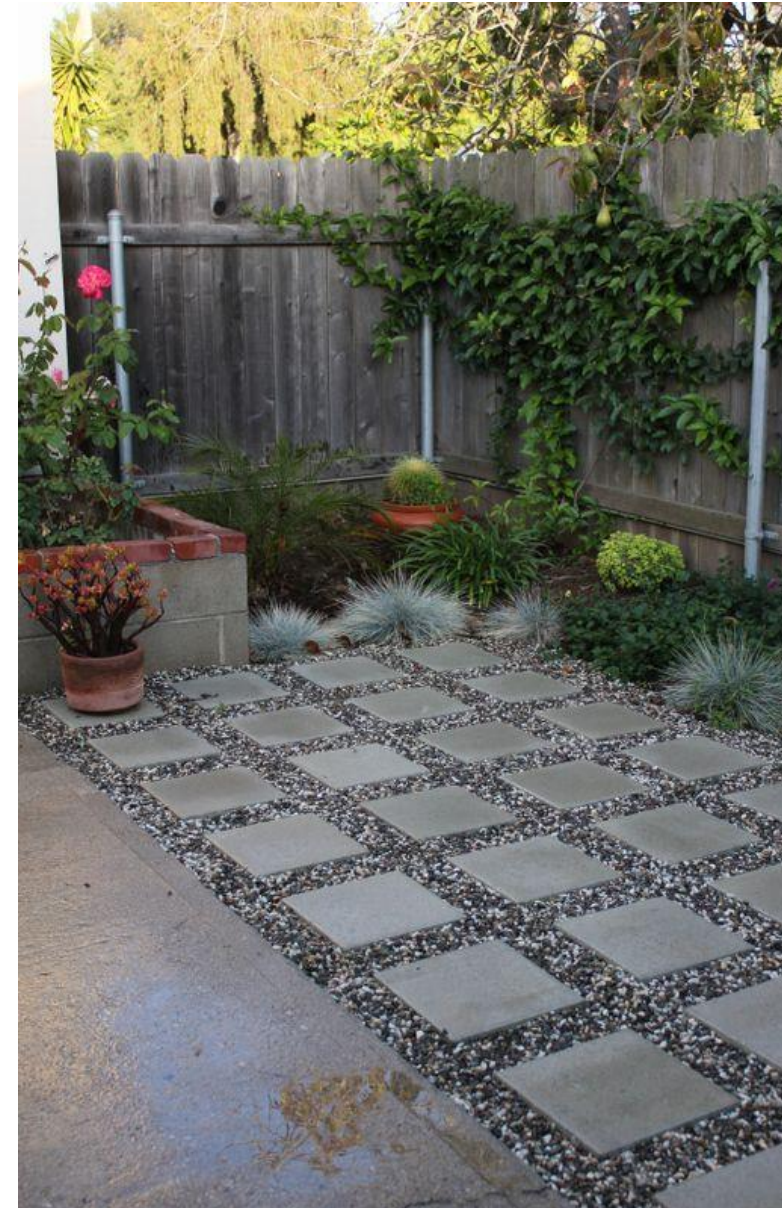


3

HARDSCAPES

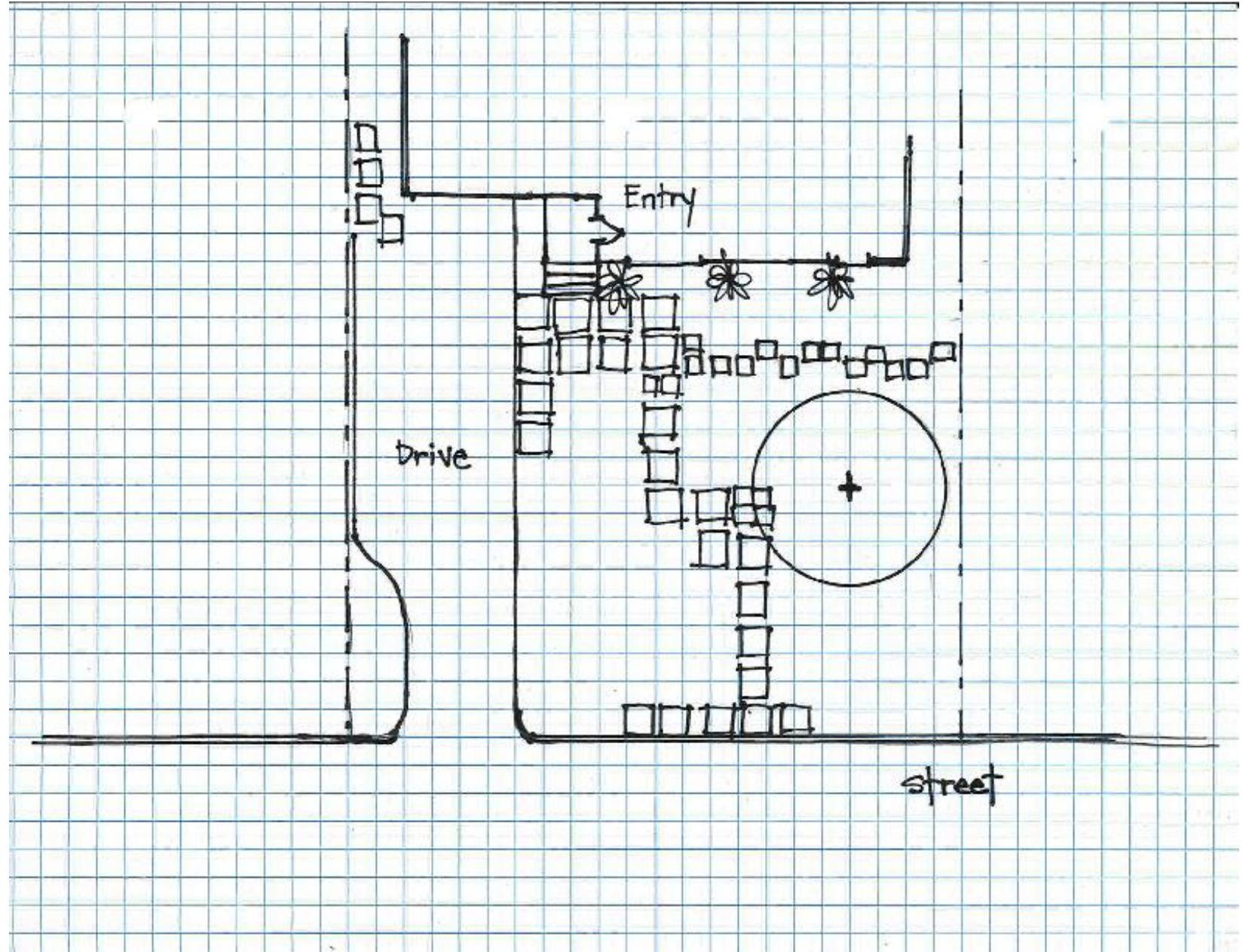
Hardscape refers to the non-living elements in landscaping, such as a wooden arbor, a stone wall, or a brick patio.

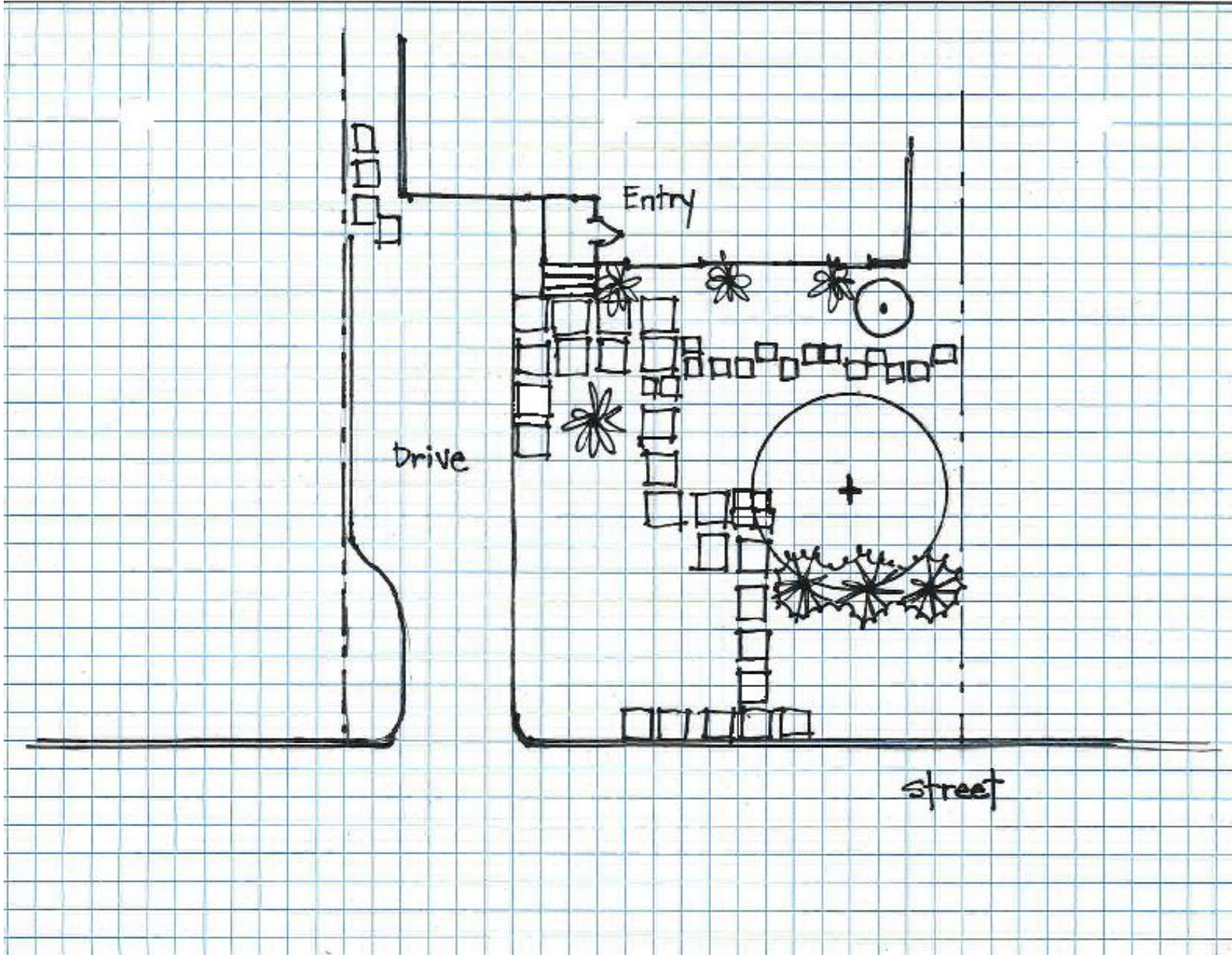
Permeable Paver Examples



3

HARD SCAPE



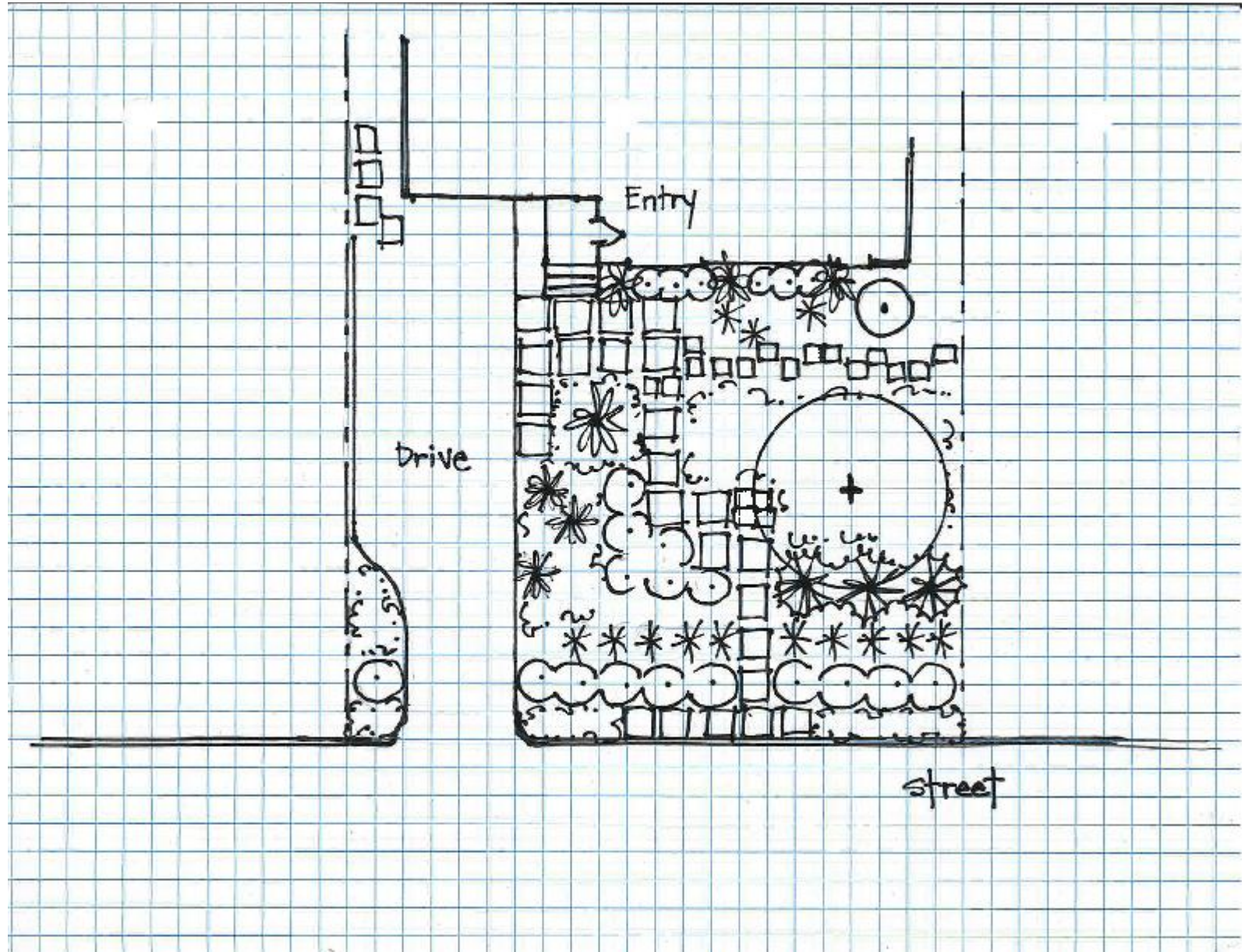


4

**ADD IN
YOUR
NEW
TREES,
SHRUBS,
AND
EVERGREENS**

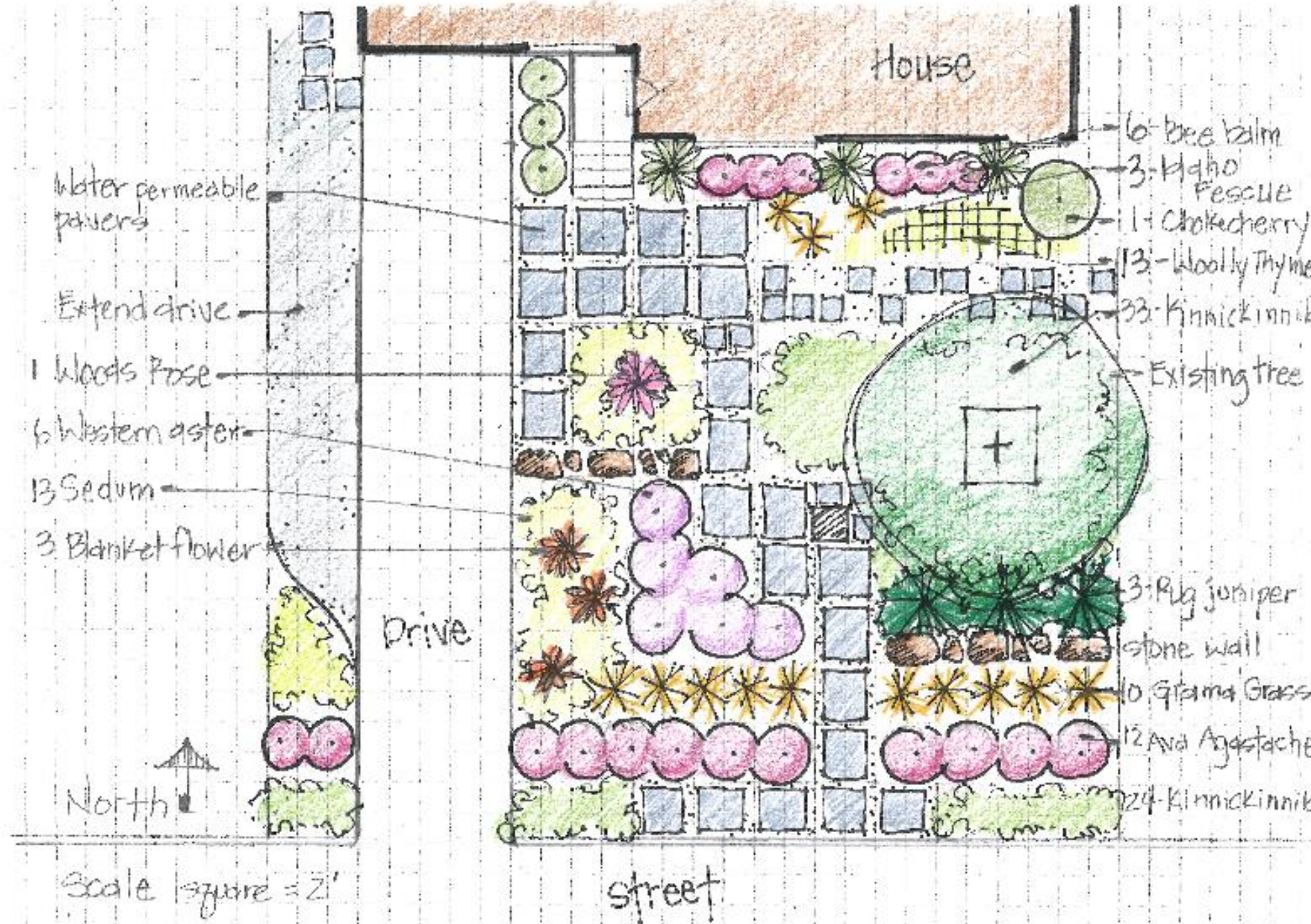
5

**ADD IN
YOUR
PERENNIALS,
GRASSES,
AND
GROUNDCOVERS**



6

TIME TO LABEL YOUR PLANTS!





PLANT LIST & AREA CALCULATION FORM

DIRECTIONS: Use the following chart to calculate your plant coverage.

A. Total lawn area in square feet (sf) to be converted to a SpokaneScape: 840

B. Your SpokaneScape must have at least 50% plant coverage at maturity, to figure this area divide **A.** by 2: 420

All plants must be drought tolerant- see the SpokaneScape Guidebook for pre-approved plants. If the chosen plant is not listed, please provide the source which indicated it is drought tolerant in our USDA growing zone 6.

Plant area can also be found in Guidebook.

***DO NOT INCLUDE MULCH AREAS OR EXISTING PLANTS IN THE CALCULATOR**

PLANT NAME	PLANT IS ON PRE-APPROVED LIST OR DROUGHT TOLERANT	QTY	PLANT WIDTH (ft)	PLANT AREA (Width x Width) (w x w = sf)	TOTAL PLANT AREA (PLANT AREA x QTY)
Ex: Yarrow	YES	5	3	3x3=9 sf	5x9=45 sf
Red Flowering Currant	Yes	1	6	16	16
Blue Fescue	Yes	3	1.5	2.25	6.75
Blue Oat Grass	Yes	3	2	4	12
Switch Grass	Yes	1	5	25	25
Idaho Fescue	Yes	5	1.5	2.25	11.25
Potentilla	Yes	3	3	9	27
Little Bluestem	Yes	3	1.5	2.25	6.75
Maiden Grass	Yes	4	5	25	100
Lavender	Yes	3	3	6	18
Autumn Joy Sedum	Yes	5	2	4	20
California Poppy	Yes	5	1.5	2.25	11.25
Stella de Oro Day Lily	Yes	14	1	1	14
Christmas Fern	Yes	12	5	15	180

**TIME TO GET
SPOKANESCAPED!**

EDGING

the thing that holds stuff in!

Edging serves a functional purpose by keeping mulch in planting beds, creating a barrier, containing paths made of pebbles, gravel, or other loose materials.



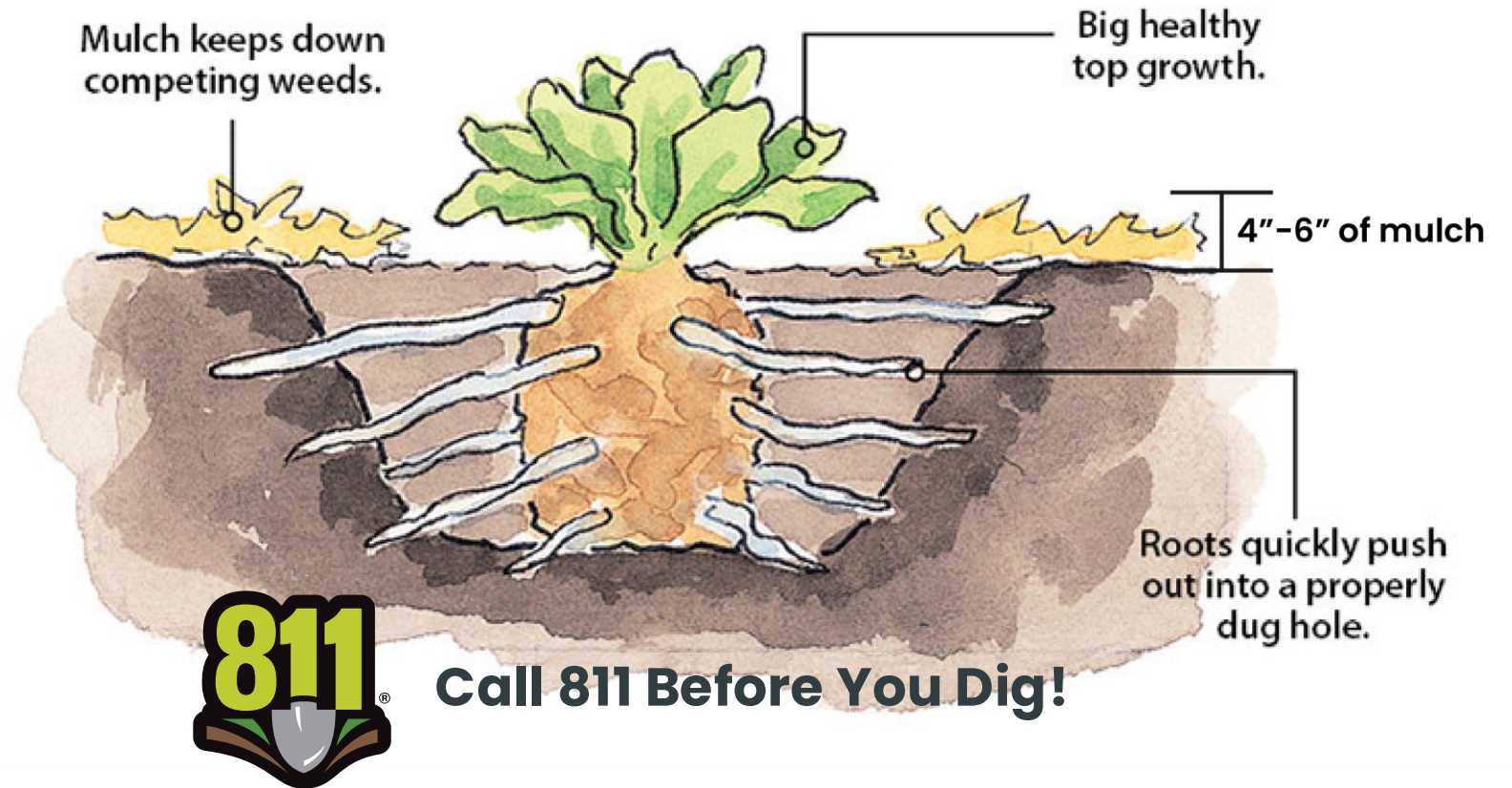
TRENCH EDGING

Along your hardscape, lawn and soil should be removed 6" and tapered a foot into the landscape. This creates a seat for your mulch to sit so that it doesn't sluff off into your hardscape (or existing landscape such as a neighbor's yard) and prevents weeds from growing on the edge.



TIME TO PLANT & MULCH

- Local nurseries have a selection of water wise and native plants
- Make sure to check the label for sun and water requirements
- 4"-6" of mulch (hardwood mulch or stone mulch)
- Water daily for a few weeks to establish root systems





YEAR
SLEEP 1



YEAR
CREEP 2



YEAR
LEAP 3



WSU EXTENSION

Spokane County





WASHINGTON STATE UNIVERSITY
EXTENSION



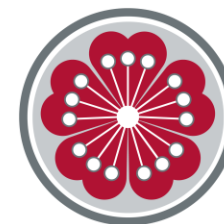
SPOKANESCAPE 101

Plants, Placement, Pest Control

2026

Kris Moberg-Hendron *(she/her)*

WSU Spokane County Extension
Master Gardener Program



WSU Extension programs and employment are available to all without discrimination. Evidence of noncompliance may be reported through your local Extension office



WASHINGTON STATE UNIVERSITY
EXTENSION

WSU Extension Master Gardener Mission



Engaging university-trained volunteers to empower and sustain diverse communities with relevant, unbiased, research-based horticulture and environmental stewardship education.

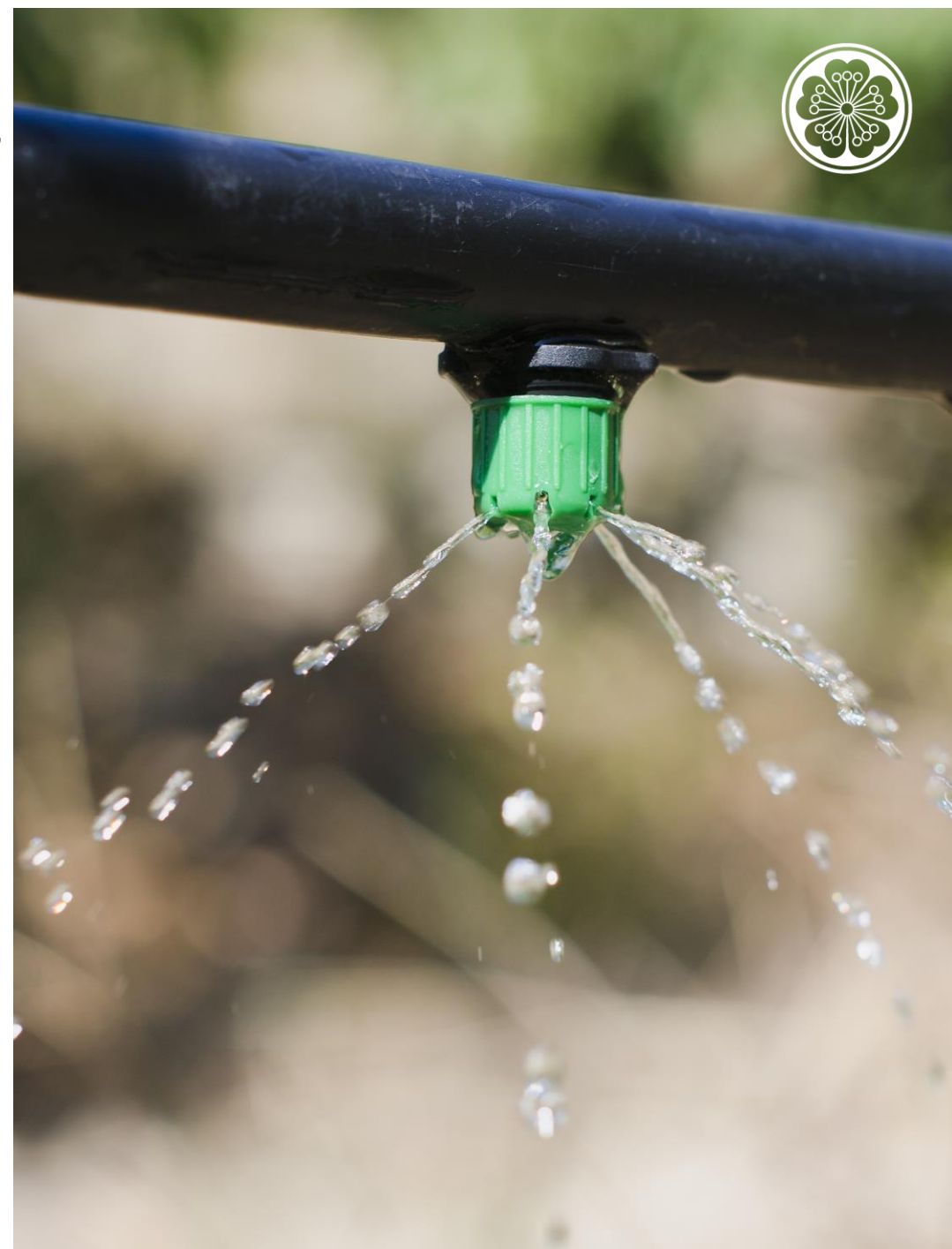


Water Conservation



Promotes water-wise gardening and landscaping practices to conserve water.

- Conserving water benefits people, agriculture and the environment
- We all have a role to play in saving water
- Design low water landscapes



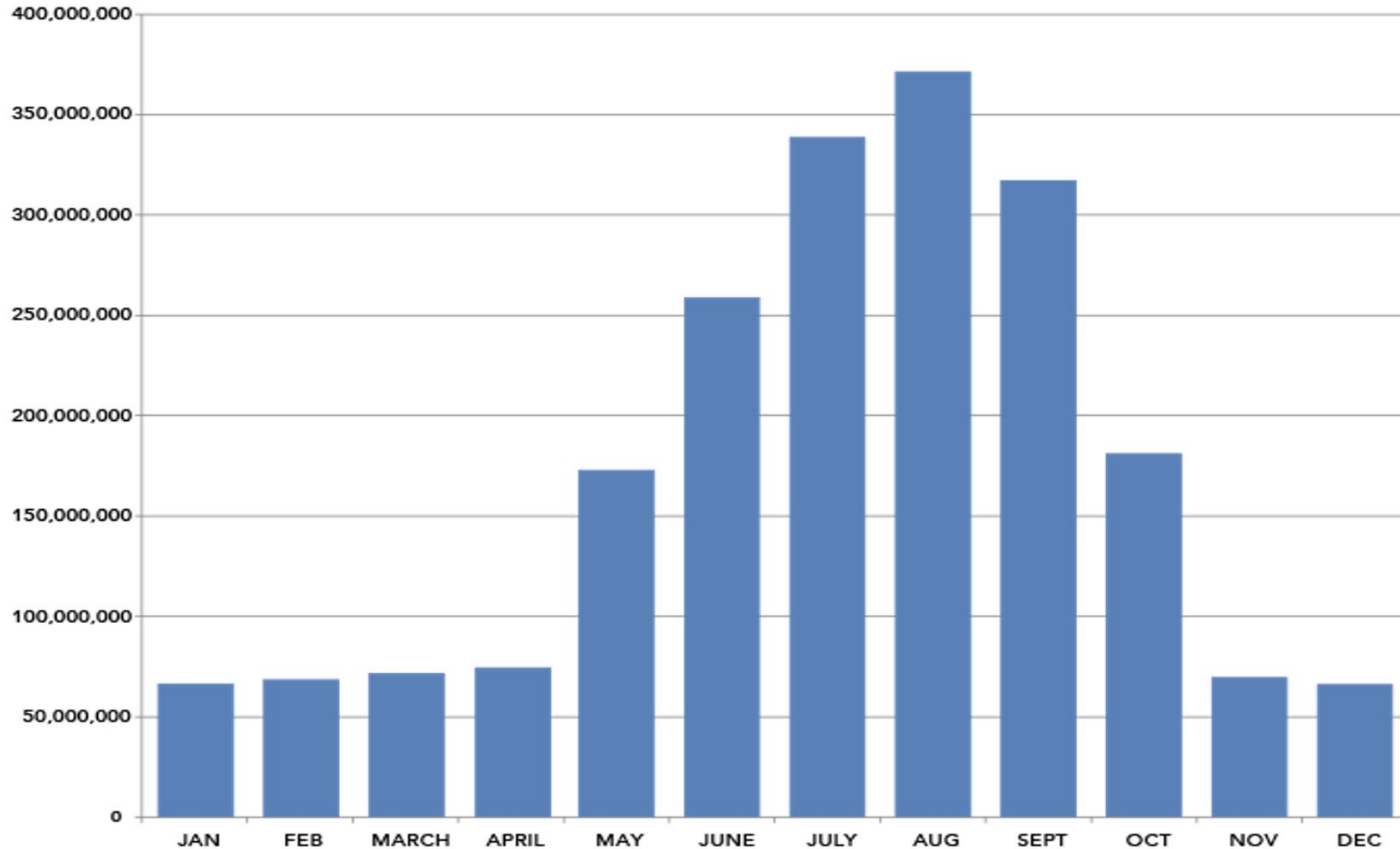
Today's Topics



- **Why conserve water**
- **Keystone Plants**
- **Waterwise Plants**
- **Plant Placement**
- **Pest Control**



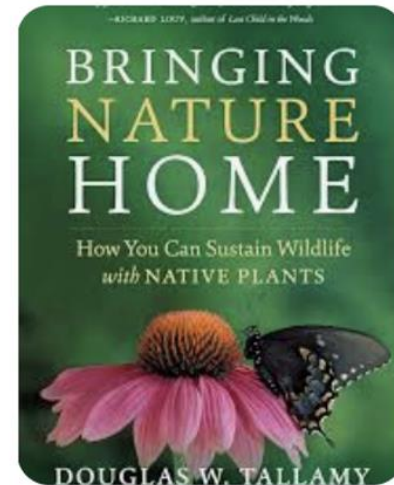
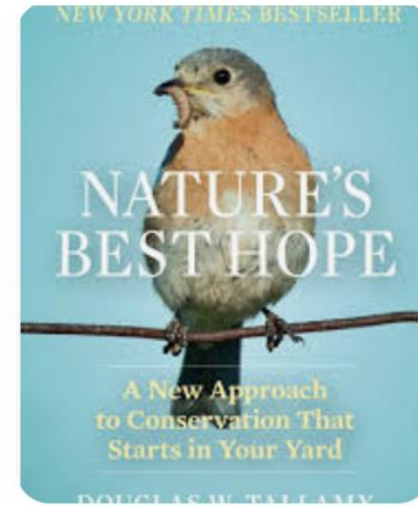
Daily Average Water Use in Spokane County



Keystone Plants



- **Ecoregion 6: NW Forested Mountains**
- **Ecoregion 10: North American Deserts**
- **Ecosystem services – food, shelter, cover, water**
 - **Native caterpillars, pollinators, birds**
 - **More keystone plants = Successful food webs**
- **Low maintenance**



Waterwise Plant Selections



- **Drought Tolerant vs. Native**
- **Drought Tolerant Plants**
- **Native Plants**



Spokane Native
Nine Bark

Nine Bark 'Diablo'



Drought Tolerant Plants

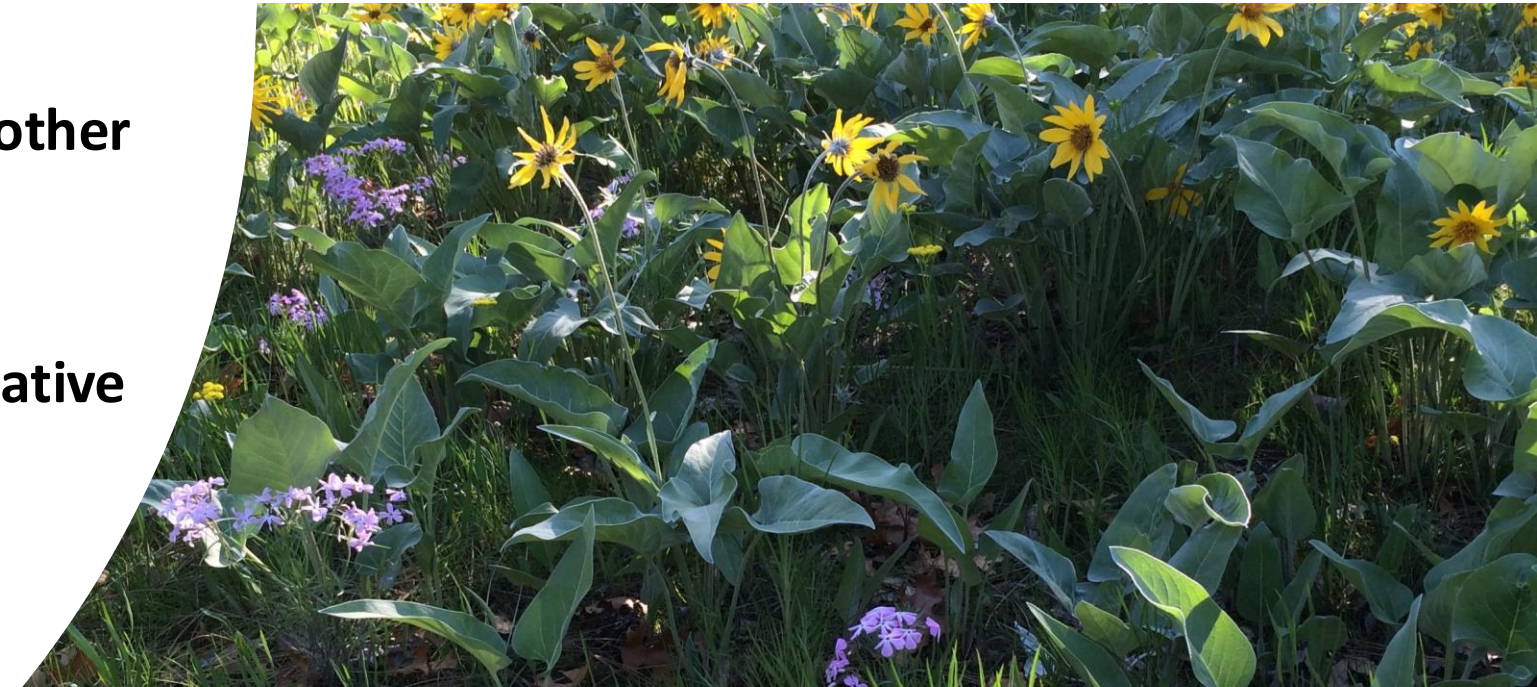


- **Evolved in similar environment**
- **Adapted to live with locally available resources**
- **Evolved with different pests**
- **Nurseries usually have a wide variety**



Native Plants

- Indigenous: evolved in specific location
- Occurs at least partly in local natural habitats
- Consistently associated with certain other species in local natural habitats
- Ask at nursery for Spokane-specific native plants





Benefits of Native Plant Use



- Low water & fertilizer needs
- Pest & disease resistant
- Requires less maintenance
- Attracts wildlife
- Feeds native wildlife & pollinators
- Supports biodiverse ecosystem



Western Mountain Aster

Symphyotrichum spathulatum

**KEYSTONE
PLANT**



Bombus occidentalis on Western Aster
Photo by Rich Hatfield, Xerces Society





Serviceberry

Amelanchier alnifolia



Mason Bee

Photo by Oregon State University



**KEYSTONE
PLANT**

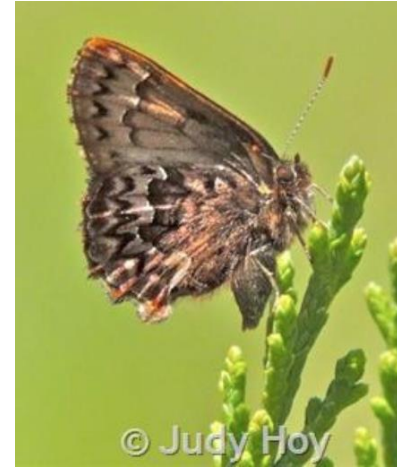


Ponderosa Pine

Pinus ponderosa



Western Pine Elfin
Callophrys eryphon
Photo: Judy Hoy, MT.gov



Pygmy Nuthatch
Photo by WDFW



**KEYSTONE
PLANT**



Narrowleaf Milkweed

Asclepias fascicularis



Monarch Butterfly
Danaus plexippus plexippus

Photo: Cheryl Schultz, WSU



Monarch Caterpillar
Danaus plexippus plexippus

Photo by R. Sayler, WSU



Creeping Oregon Grape

Berberis repens





Blue Flax

Linum lewisii





Shrubby Penstemon

Penstemon fruticosa





Chokecherry

Prunus virginiana



Lupine Blue
Photo: Bentler.us

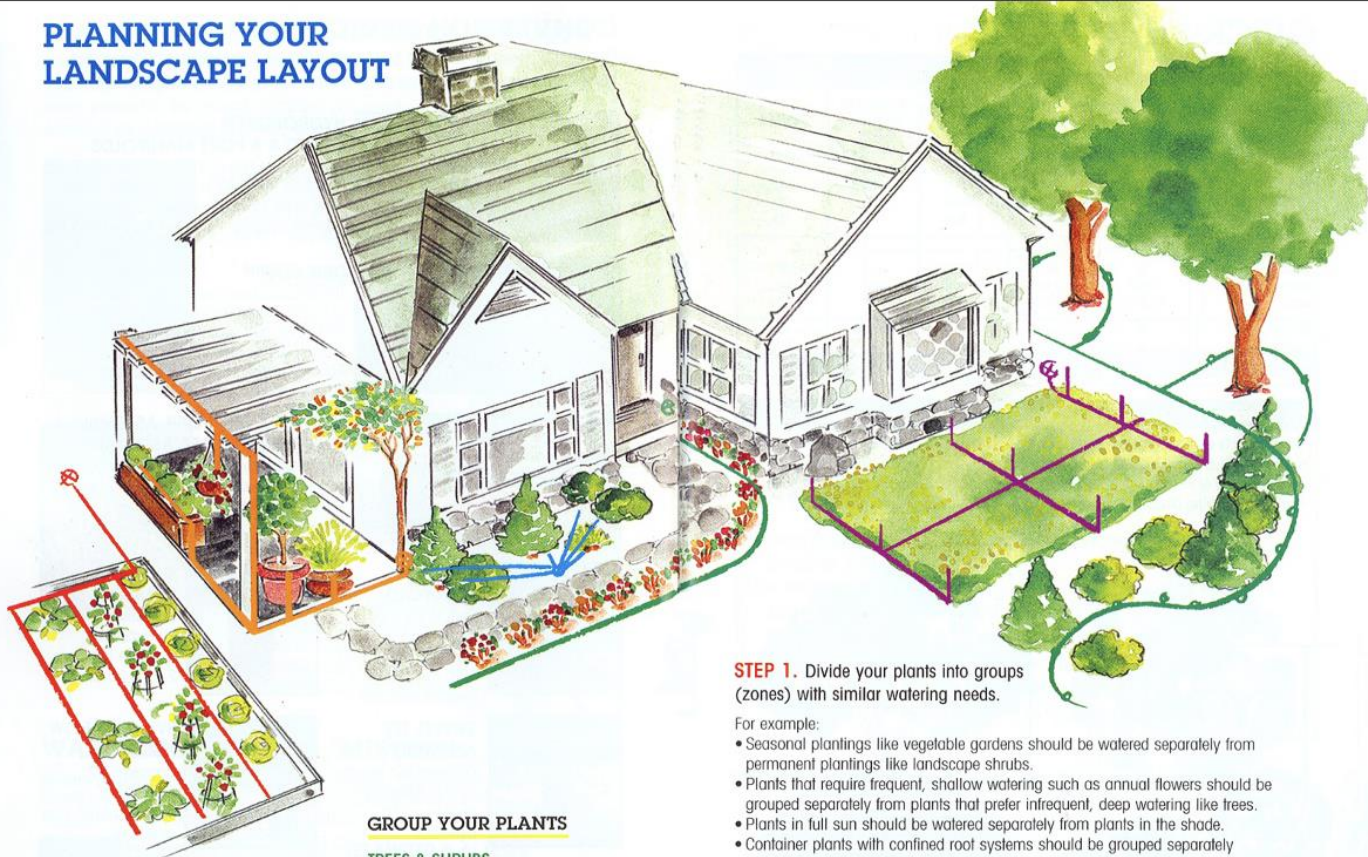


**KEYSTONE
PLANT**

Image taken along the Spokane River
by Rich Leon

Plant Placement Tips

PLANNING YOUR LANDSCAPE LAYOUT



GROUP YOUR PLANTS

TREES & SHRUBS

FLOWER BEDS & GROUND COVER

VEGETABLE GARDENS

CONTAINER PLANTS

CONVERSION APPLICATIONS

STEP 1. Divide your plants into groups (zones) with similar watering needs.

For example:

- Seasonal plantings like vegetable gardens should be watered separately from permanent plantings like landscape shrubs.
- Plants that require frequent, shallow watering such as annual flowers should be grouped separately from plants that prefer infrequent, deep watering like trees.
- Plants in full sun should be watered separately from plants in the shade.
- Container plants with confined root systems should be grouped separately from plants in the ground.

STEP 2. Decide on the most common growth characteristic of each group:

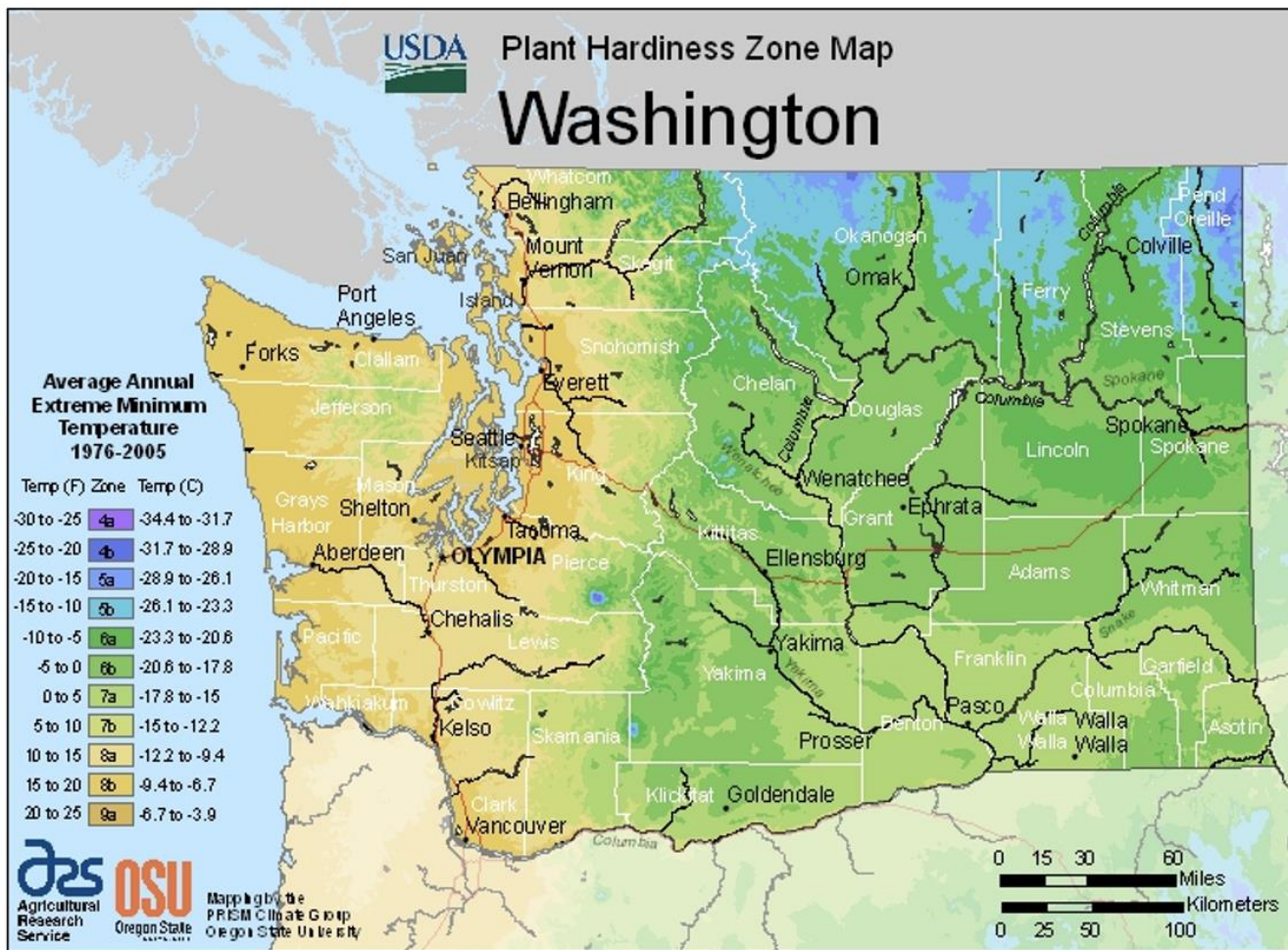
- A. Individual vs. Closely-Spaced
- B. Upright vs. Low-Growing
- C. Even Spacing vs. Irregular Spacing

If possible, use a separate micro watering circuit for each different group.

- Soil Type
- Wind Exposure + Temperature
- Sun Requirement
- Water Needs
- Annual vs. Perennial
- Mature Plant Size
- Traffic Pattern
- Environmental Needs



Plant Placement Tips



Spokane 2023 Classification

6b = -5° to 0°

7a = 0° to 5°

Pest Control Tips

INTEGRATED PEST MANAGEMENT – Work with nature, not against it

Long-term prevention of pests or damage through ***ecosystem management***

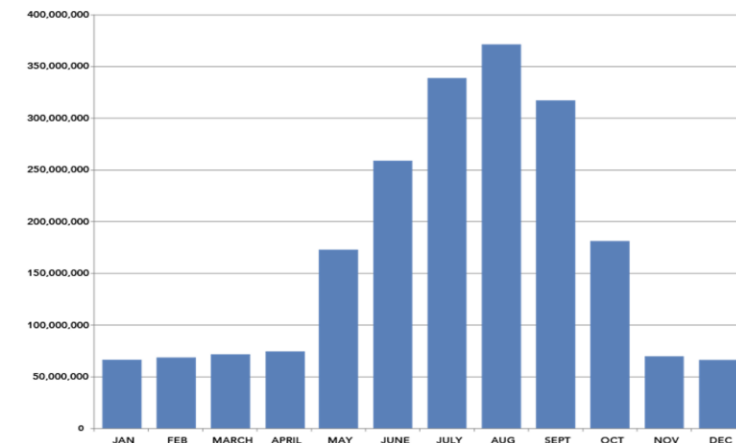
- Identify pest & life cycle
- Monitor & assess
- Personal guidelines – increase tolerance of pest
- Prevent problems early
- Combine tools: cultural, physical, biological, chemical management
- Least toxic solution first





Review

- Water is essential to life
- Responsible for protecting water resources: reduce water use
- Largest potential reduction: landscape water
- Native plants: low water ecosystem support
- Waterwise plants
 - Beautiful & beneficial garden!



Questions?

Kris Moberg-Hendron

WSU Extension Master Gardener Volunteer

Contact: AskAMasterGardener@spokanemg.org



WASHINGTON STATE
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Watering Your SpokaneScape



Approved Watering Methods

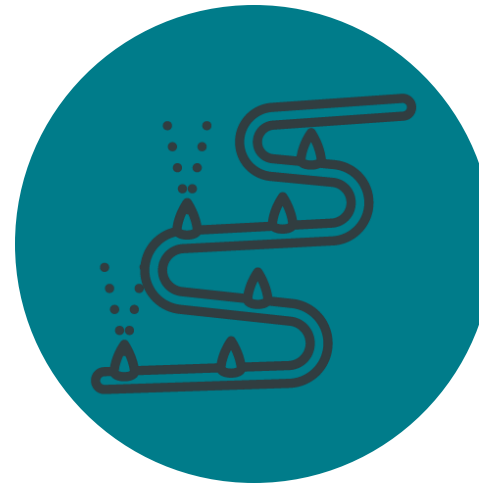
If you have a sprinkler system, you do not need to remove it completely. However, existing sprinklers must be capped, converted to drip irrigation, or swapped out for efficient rotary nozzles.



Hand-watering



Rotary Nozzles



Drip Irrigation





Approved Watering Methods: Hand-watering





Approved Watering Methods: Hand-watering





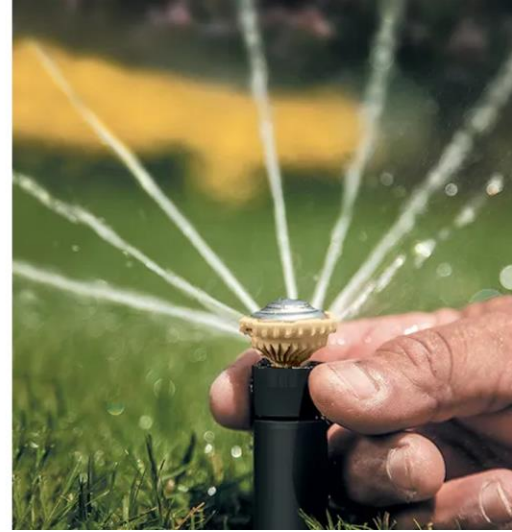
Considerations for Hand-watering

- No irrigation system to maintain – leaks, repairs, upgrades
 - Less water waste
 - An excuse to spend time on your landscape
 - Exercise and fresh air
 - Custom watering exactly where and when you want it! (even in tricky areas i.e. parking strip)
-
- Time-consuming
 - Labor-intensive





Approved Watering Methods: Rotary Nozzles





Approved Watering Methods: Rotary Nozzles

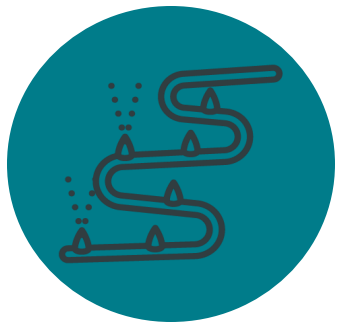




Considerations for Rotary Nozzles

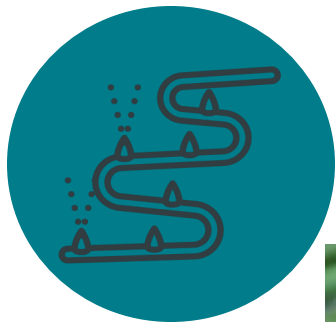
- Efficient watering of large areas
- Easy retrofit from existing sprinkler system (and rebate offered for nozzles!)
- Relatively hands-off
- Less targeted watering
- Some maintenance required (irrigation is a life of pain and suffering!) Clogged nozzles, tilted sprinkler heads, etc.
- Industry standard is 0.5" of water an hour – may need to run longer to water deeply i.e. if you have large trees





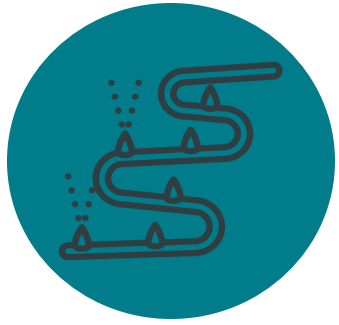
Approved Watering Methods: Drip Irrigation





Approved Watering Methods: Drip Irrigation

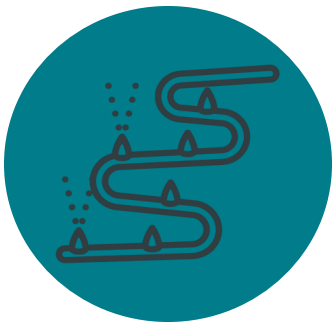




Considerations for Drip Irrigation

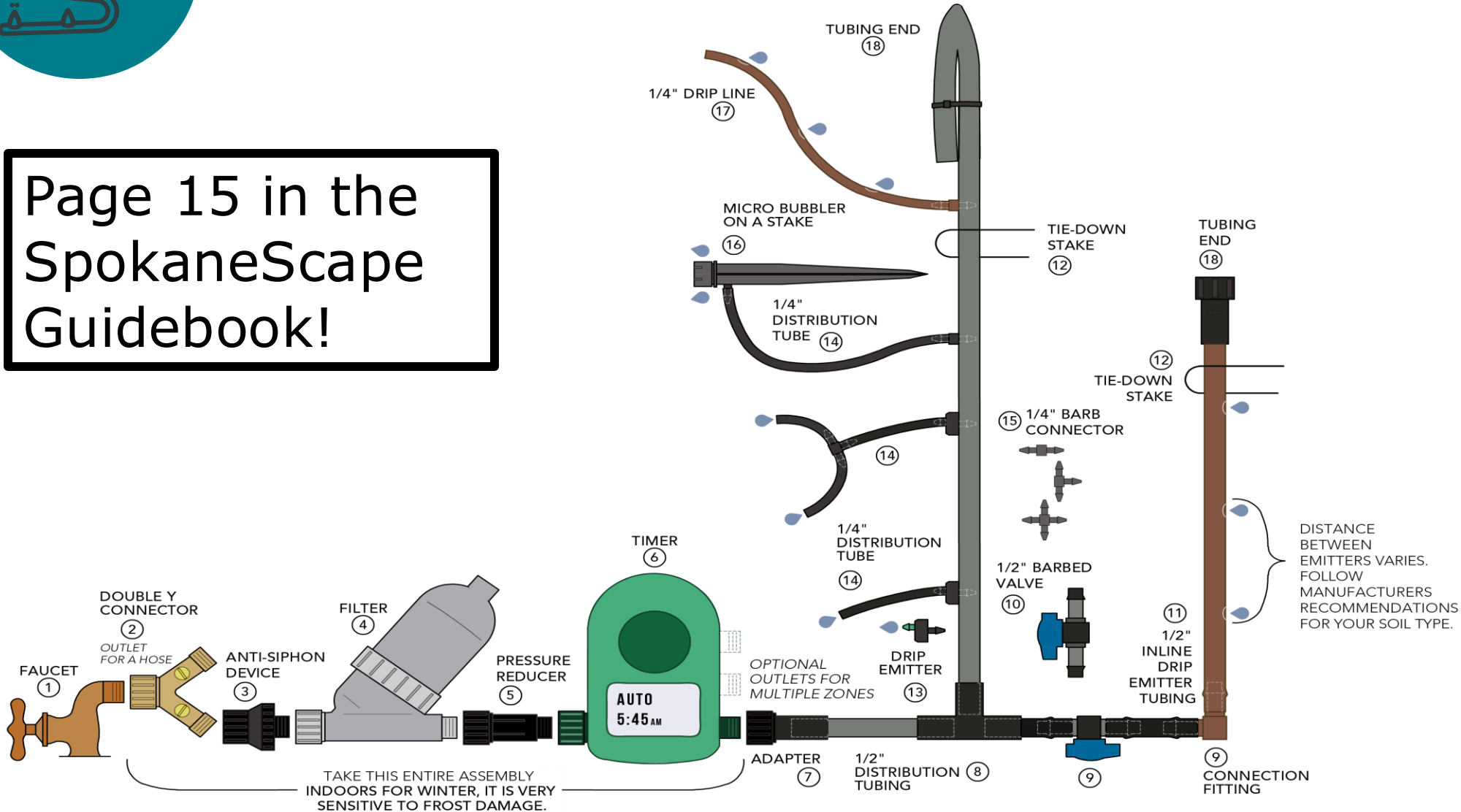
- Targeted watering for individual plants or larger areas
- Retrofit from existing sprinkler system (and rebate offered for spray-to drip conversion!)- or install from hose bibb
- Highly efficient and adaptable over time
- Some maintenance required (irrigation is a life of pain and suffering!) Clogged emitters, leaks and breaks, damage from rodents/critters, need for upgrades as plants grow
- Can be difficult to maintain pressure over very large areas
- Usually will want to run at least 45 minutes, but there's math involved

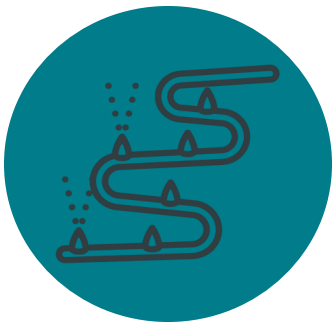




DIY Drip Irrigation: Basic System Setup

Page 15 in the
SpokaneScape
Guidebook!





DIY Drip Irrigation: Supply Line



1/2" drip tubing



pressure reducer

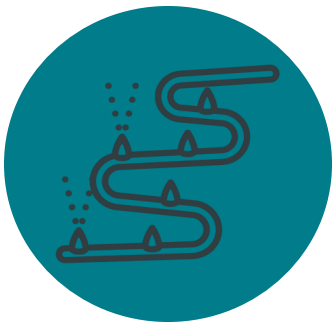


inline drip tubing



filter





DIY Drip Irrigation: Supply Line



pipe cutter



crimper

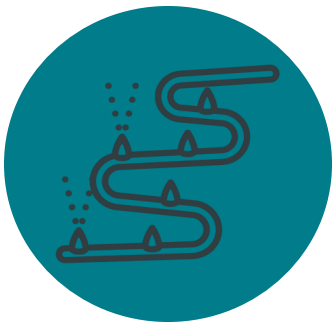


barbed fittings



clamps





DIY Drip Irrigation: Parts and Pieces



hole punch



couplers

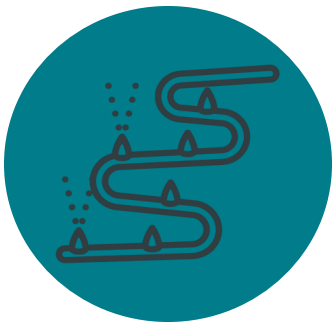


emitters



stakes





DIY Drip Irrigation: Order of Operations

1. Remove Grass



2. Plant



3. Irrigation

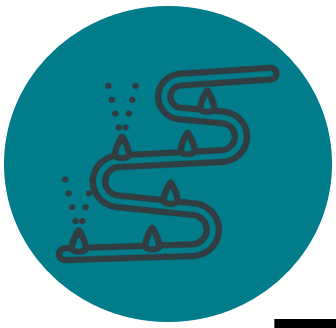


4. Mulch*



*Depending on mulch type and mulch depth, you may install the drip system after laying down mulch. Drip irrigation underneath rock mulch or a thick layer of organic mulch can be difficult to deal with.





DIY Drip Irrigation: Do the Math!

General Guidelines For Drip Irrigation

Tubing Size	Maximum Run Length (feet)	Maximum Output (gallons per hour)
1/4"	30	30
1/2"	200	200
3/4"	480	480
1"	960	960

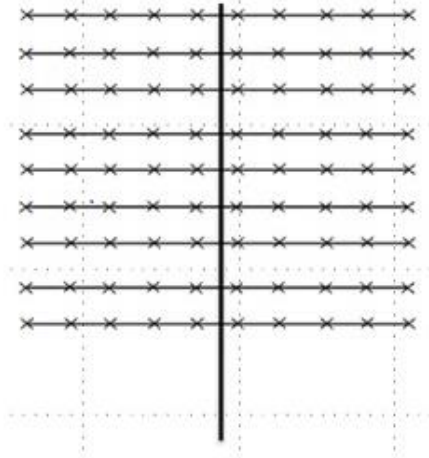
Plant Size	Watering Method
Small Plants	0.5-1 gallons per hour emitter
Small Shrubs	1-2 gallons per hour emitter
Large Shrubs/Trees	drip rings or hand-water



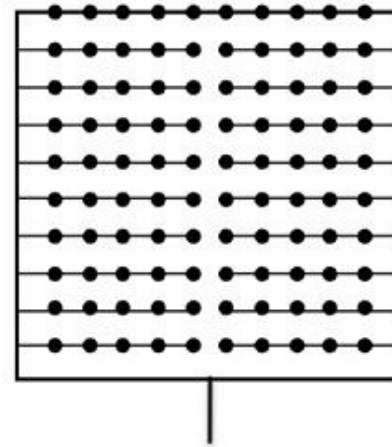
Designing Your Watering System

- **Keep drip line runs as short as possible**
- **Bends/turns can reduce pressure**
- **Looping can help equalize pressure**

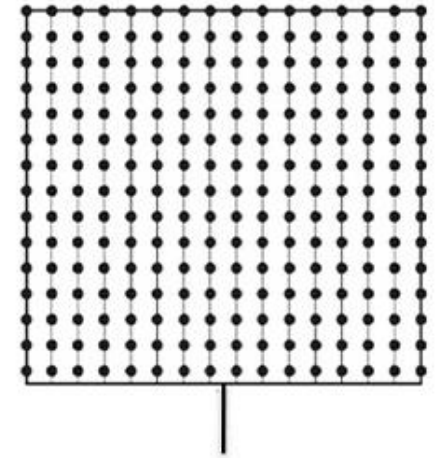
Tree



Loop

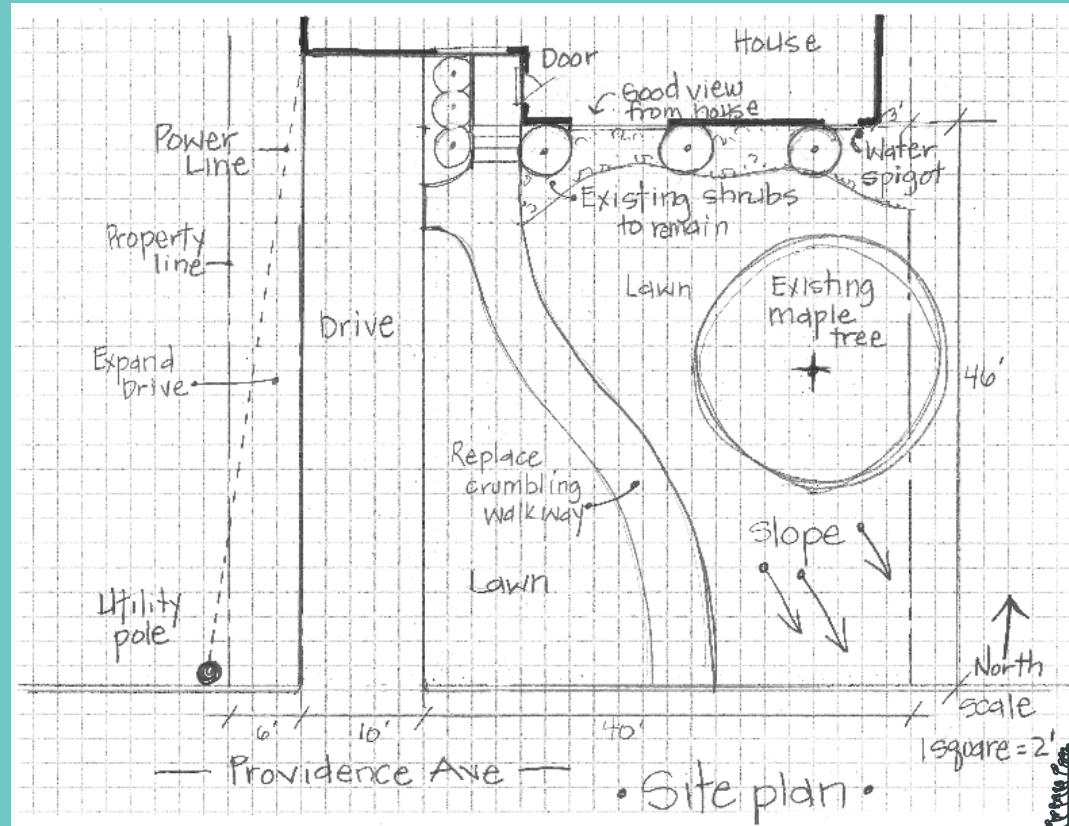


Grid



Designing Your Watering System

- You made several copies of your site plan. Use one of these to map your existing irrigation system if you have one! Call 811 if you don't know what's underground.
- Grouping plants according to water needs should be an early step in planning your SpokaneScape.



Approved Watering Methods: A Different Approach

Smart watering devices like OtO can be used to efficiently water landscapes, and are acceptable to use in place of, or in addition to, other approved methods. A good option if:

- **You have no in-ground sprinkler system**
- **You have discrete zones with unique watering needs**
- **You don't want to fuss with drip irrigation**



We offer a \$100 rebate for smart watering devices- just make sure to get pre-approved



Decrease Watering Over Time

- **The watering needs of your brand-new SpokaneScape differ greatly from the watering needs in years to come**
- **Once established in an appropriate location, native plants do not need supplemental water- take a look around!**
- **Other drought-tolerant plants may also do well without any water-experiment!**
- **Shrubs may take longer to establish, and have a longer watering-in time**
- **Large, non-native trees will still need water- plan accordingly!**



Watering Resources

- **Landscape Watering By the Numbers**
- **WSU Extension – online resources**
- **US! (Water Efficiency Consultations)**
- **Community**



Additional Rebate Opportunities

UP TO **\$100**
SMART IRRIGATION CONTROLLERS

UP TO **\$200**
SPRAY-TO-DRIP CONVERSION

UP TO **\$200**
ROTARY NOZZLES



Smart Water Monitors



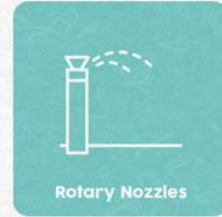
Toilets /Urinals



Spray-to-Drip Conversion



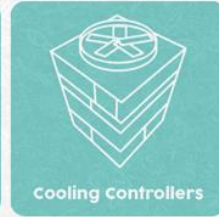
Smart Irrigation Controllers



Rotary Nozzles



SPokane
SCAPE



Cooling Controllers



Efficiency Kits

Residential Rebates

Smart Water Monitors

High-Efficiency Toilet

Spray-to-Drip Conversion

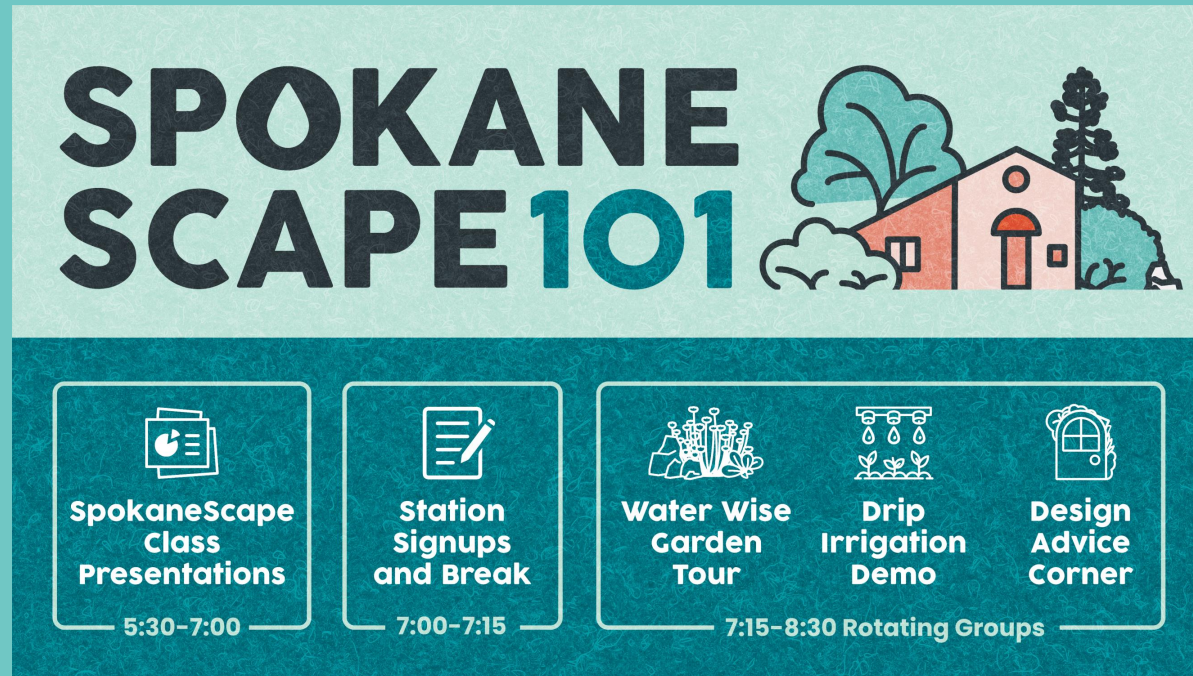
Irrigation Controller

Review Terms and Conditions for rebates
at **WaterWiseSpokane.org**



SPokane
SCAPE

Thanks For Coming!



Contact our team at waterwise@spokanecity.org

Visit www.waterwisespokane.org for an overview of our programs

