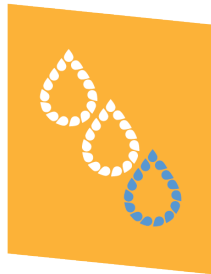




& Side Yard

Creating Waterwise
Spaces in the Landscape

Utah
Water
Savers





What you will learn:

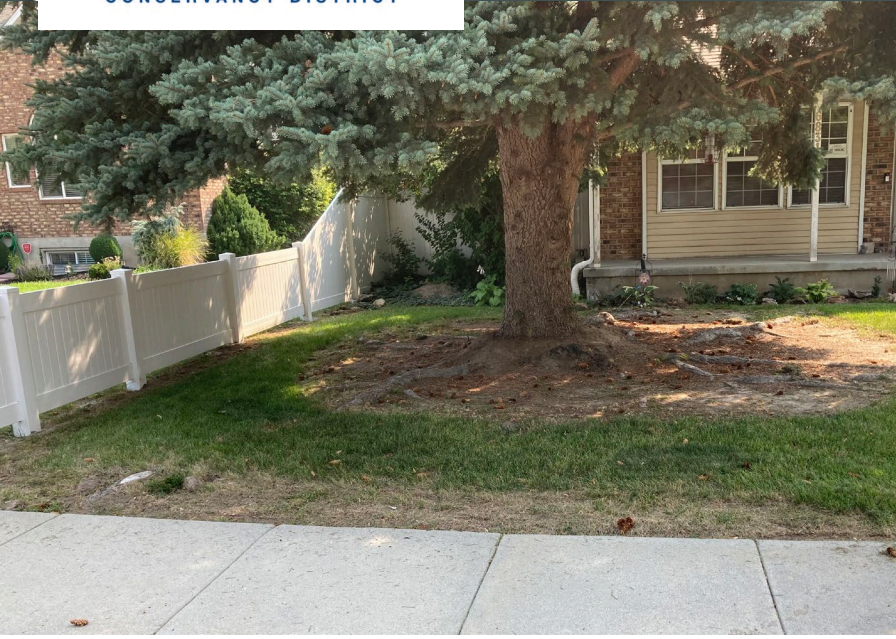
- How to identify non-functional grass
 - 5 Steps to remove grass and create a waterwise planting bed
 - Project Maintenance
 - Project Inspiration
 - Program Requirements
-





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

What is non-functional grass?





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Non-functional grass problems: **Water Waste**

Sprinklers are
not designed to
water areas
less than
8' wide





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Non-functional grass problems: **Water Waste**

Average lawn
park strips use
7,000-10,000
gallons per
season





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Non-functional grass problems: **Extreme Conditions**

- Difficult maintenance
- Exposure problems





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Non-functional grass problems: **Not Usable**

Grass that you
only step on to
maintain, is an
unusable area
of lawn





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Rules of lawn

Remove areas of
lawn that are
less than
8' wide





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Rules of lawn

Remove lawn in
areas where
there are
obstructions

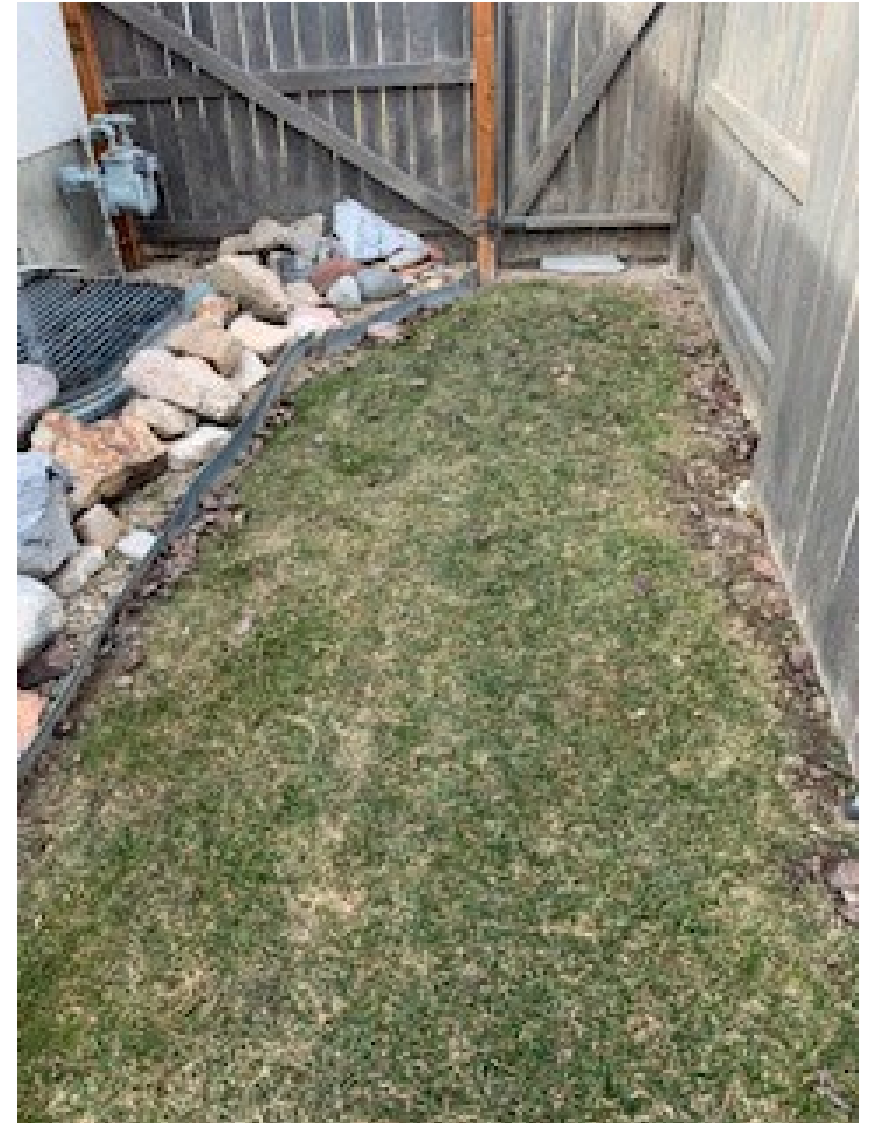




CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Rules of lawn

Remove lawn
where it's being
used as a path





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Rules of lawn

Remove lawn on
a slope





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Typical Utah Front Yard





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Typical Utah Front Yard





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Pre-site Visit

If you plan to apply for a rebate, apply on Utah Water Savers and have a pre-site visit BEFORE you begin any work on your project.

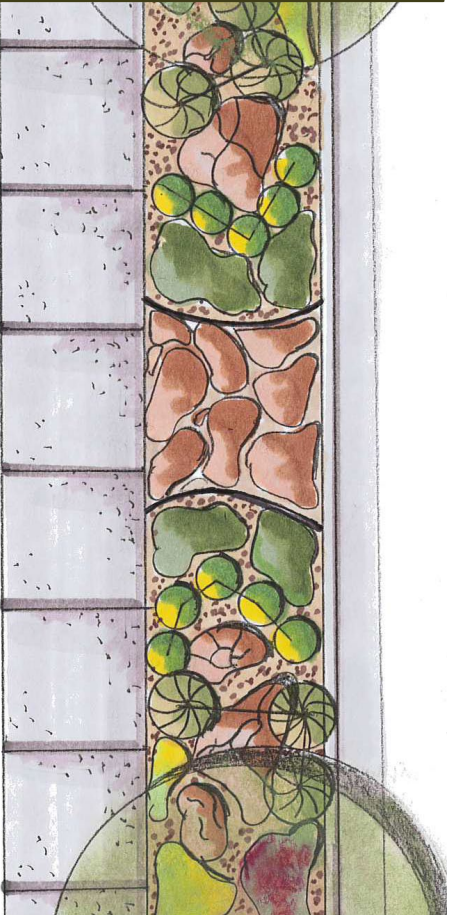


Find Landscape Rebate information at:

UtahWaterSavers.com

Steps to Replace Non-Functional Grass

1 Plan & Design



2 Remove Lawn



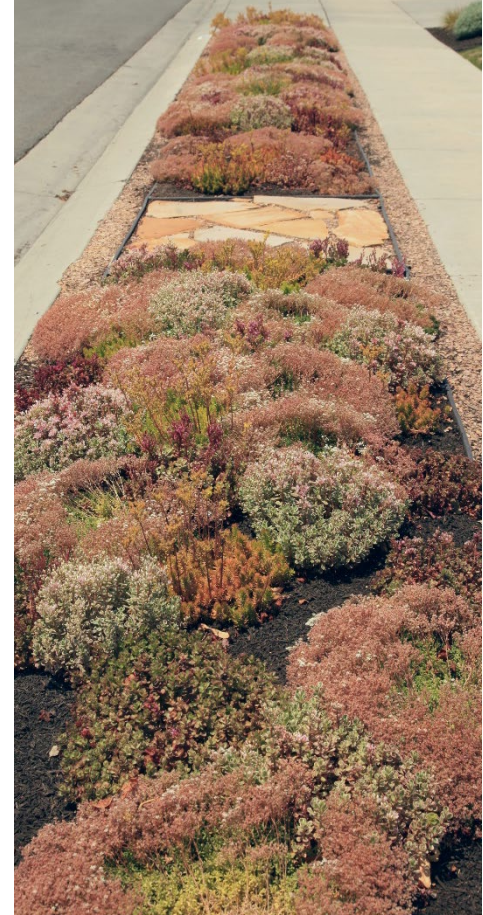
3 Install Drip



4 Add Hardscape



5 Plant & Mulch





Ordinances & Best Practices:

- Park strips are owned by the city but maintained by you
- Check local regulations and codes
- Homeowner's Associations may have requirements too

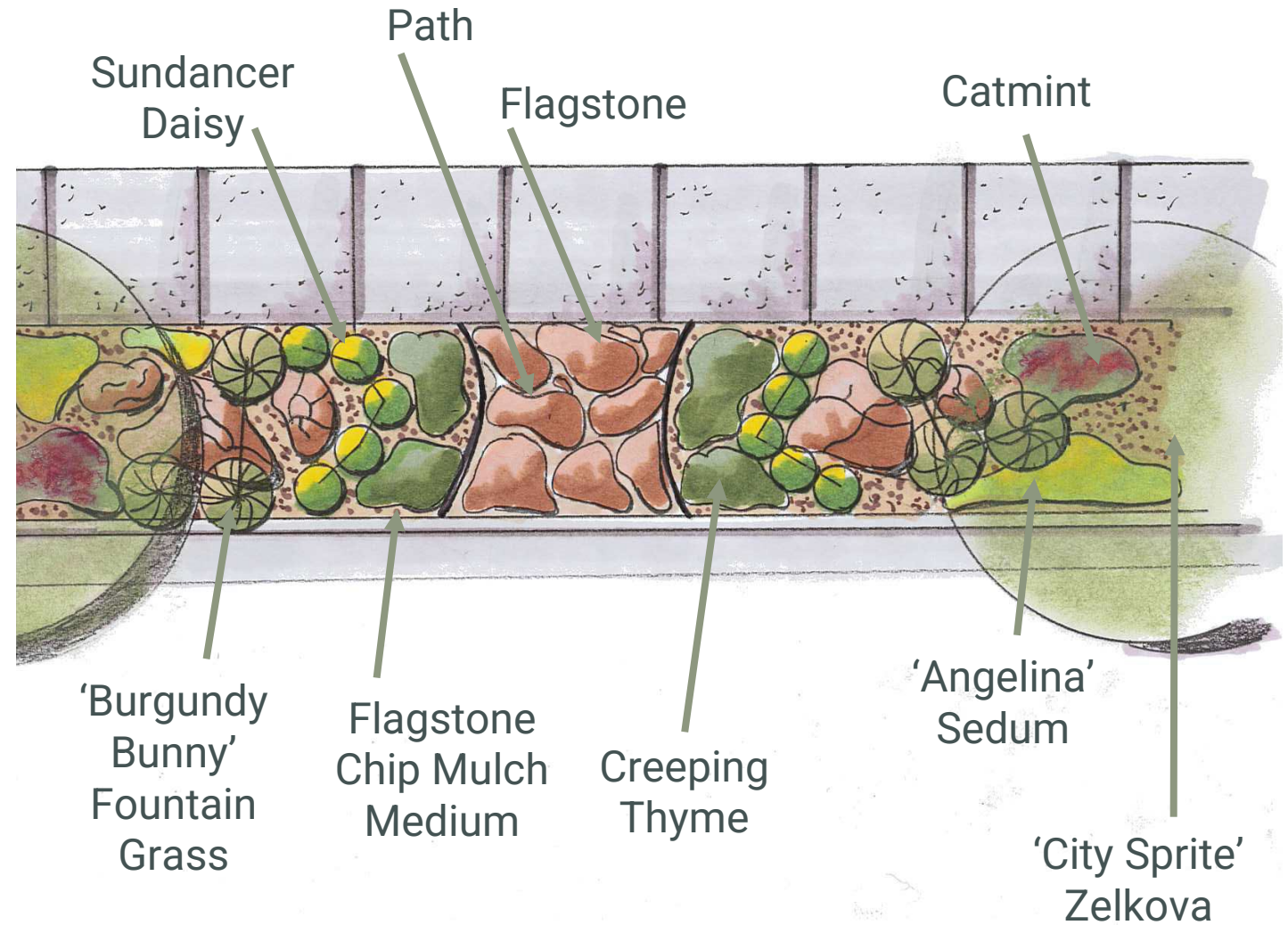
*Real results from past class participant



1

Plan & Design

- Paths, plants, and drip irrigation
- Proper plant selection is important
- Plants should be waterwise and tough



1

Plan & Design

- Define the project order
- Determine how the areas affect one another
- Consider accessibility during construction





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Design Resources

Free Park Strip Plans to Download



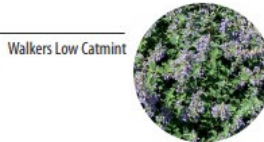
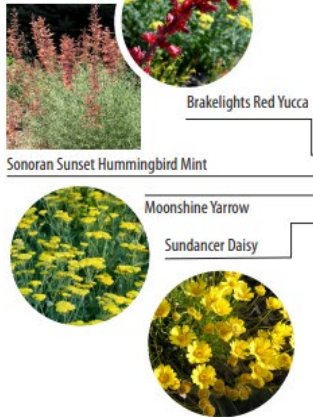
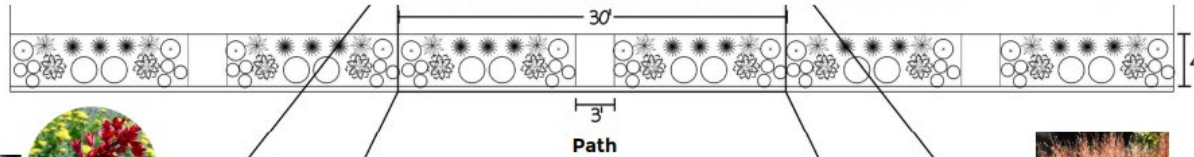
Utah Park Strip Design Plan



Lush with
Less

High Density
Perennial Design

Locascapes.com



Plant List	Qty	Botanical Name	Common Name
	Ornamental Grasses		
	6	Schizachyrium scoparium 'Blaze'	BLAZE LITTLE BLUESTEM
	Perennials and Annuals		
	4	Achillea Millefolium 'Moonshine'	MOONSHINE YARROW
	4	Agastache cana 'Sinning'	SONORAN SUNSET HUMMINGBIRD MINT
	12	Hymenoxys acaulis	SUNDANCER DAISY
	4	Nepeta x faassenii 'Walkers Law'	WALKERS LOW CATMINT
Succulents			
	4	Hesperaloe parviflora 'Perpa'	BRAKELIGHTS RED YUCCA

Plant quantities are for each 30 ft section.

This design is free to use. Please credit Locascapes.com
in order to copy, or share the content.
For Non-Commercial use. Do not change content.

Design Workshop



Locascapes Design Workshop

On-Demand Class

Registration Required

Now that you have learned the Locascapes process, let our professional team guide you through creating your own design plan in this hands-on design workshop that you can take from home. You will get practical tips and visual examples to help you create the best Locascape

[learn more](#)



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Before Photos

- Rebate applications require before photos of the project area
- Completed projects are not eligible



Find Landscape Rebate information at:

UtahWaterSavers.com



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Project Plan

- Rebate applications require a project plan and detailed description of what the project will be



Project Area Defined

Project Description:
We plan to remove 679 square feet of grass and convert it to a planting bed watered with drip irrigation.

Utah
Water
Savers



Find Landscape Rebate information at:

UtahWaterSavers.com

2

Remove Existing Lawn

- Lawn needs to be killed down to the roots before removal
- This can be done with glyphosate (Roundup) or plastic sheets

Plastic Sheets



Herbicides

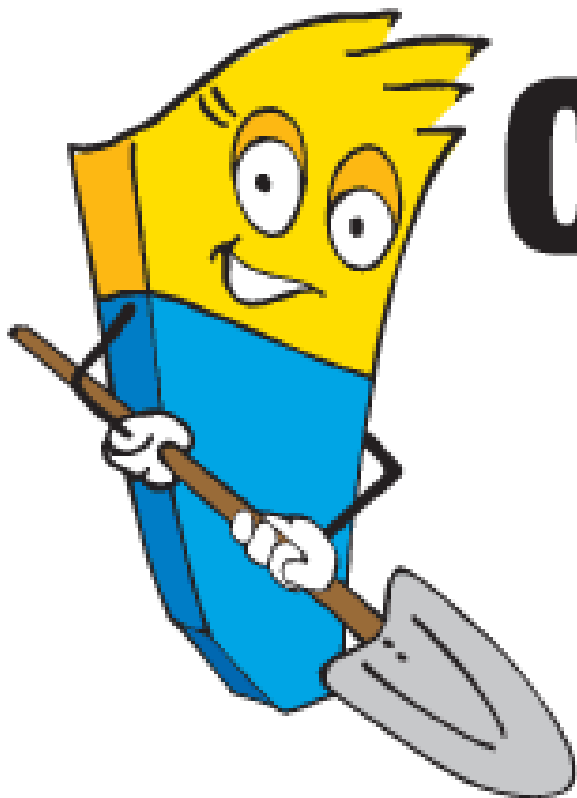


FREE utility line location service

Know what's below.



Call 811 before you dig.



BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.

www.bluestakes.org

1-800-662-4111

2

Remove Existing Lawn

- Lawn can be removed with a sod cutter or tiller
- Mark existing sprinkler heads with flags or sticks
- Be careful when removing lawn around existing trees

Sod
Cutter



Tiller



2

Remove Existing Lawn

- Lawn and soil should be removed three to four inches below grade
- This will help to retain the thick layer of mulch



Below
Sidewalk

3

Install Drip

- Use one type of drip irrigation, either in-line or point source
- Drip supplies water directly to the plant's roots
- Minimizes water waste

In-Line



Point
Source



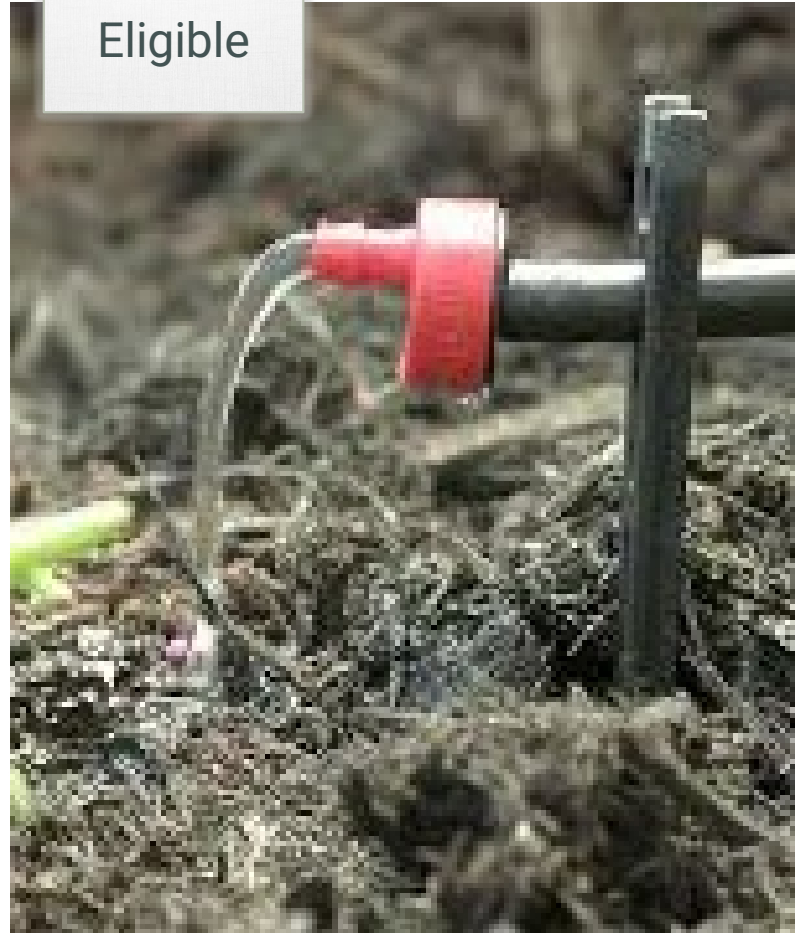


CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Drip Irrigation

Micro-sprays
and bubblers do
not qualify as
drip irrigation

Eligible



Not
Eligible



Find Landscape Rebate information at:

UtahWaterSavers.com

3

Install Drip

- It is best to run inline drip in a grid pattern for a high-density planting bed
- This will evenly water the plants as they grow



3

Install Drip

- Many planting beds will be unique shapes
- Inline drip conforms to any shape



3

Install Drip

- Run blank distribution tubing down the length of the planting bed
- Run individual lines to each plant. Add lines if the plant requires more water



3

Install Drip

- Point source works best for low-density plantings
- Emitters must be rated for 5 gallons per hour or less





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Existing Trees: Inline Drip

Create a square
or circles with
inline drip around
trees to ensure
adequate
water





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Existing Trees: Point Source Drip

Add multiple lines
with emitters
around the tree





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Filter and Pressure Reducer

Drip irrigation
must have a
pressure reducer
and filter



Find Landscape Rebate information at:

UtahWaterSavers.com

Drip irrigation



Sprinkler Valve:

- Used for lawn
- Spray sprinkler heads



Drip Irrigation Valve:

- Used for drip
- Includes filter and pressure reducer



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Drip Irrigation

Sprinkler Head:

- Used for lawn, overhead spray

Retrofit Head:

- Used for drip
- Includes filter and pressure reducer

Sprinkler Head



Retrofit Head



Drip irrigation

- Be sure to leave the filter accessible for maintenance and for the final visit if you are receiving a rebate



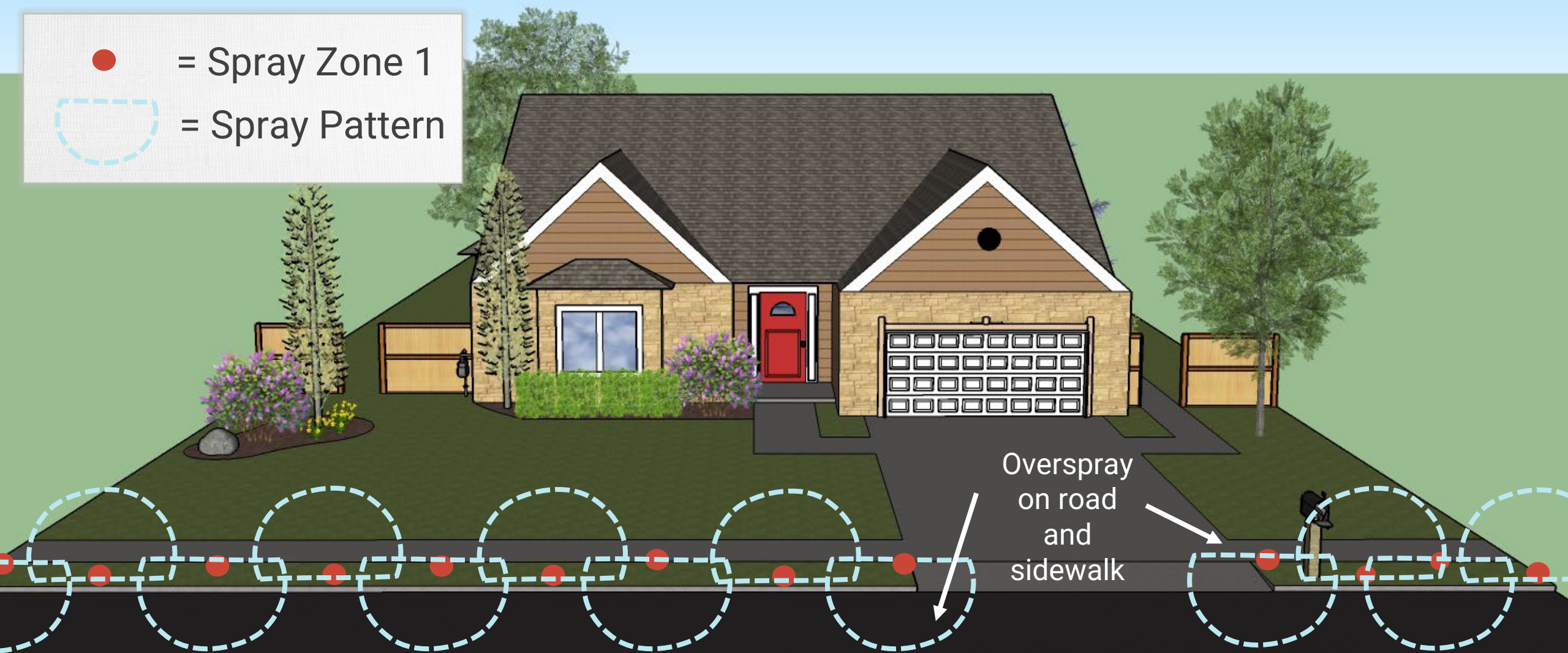


CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Existing irrigation

● = Spray Zone 1

○ = Spray Pattern





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Drip conversion

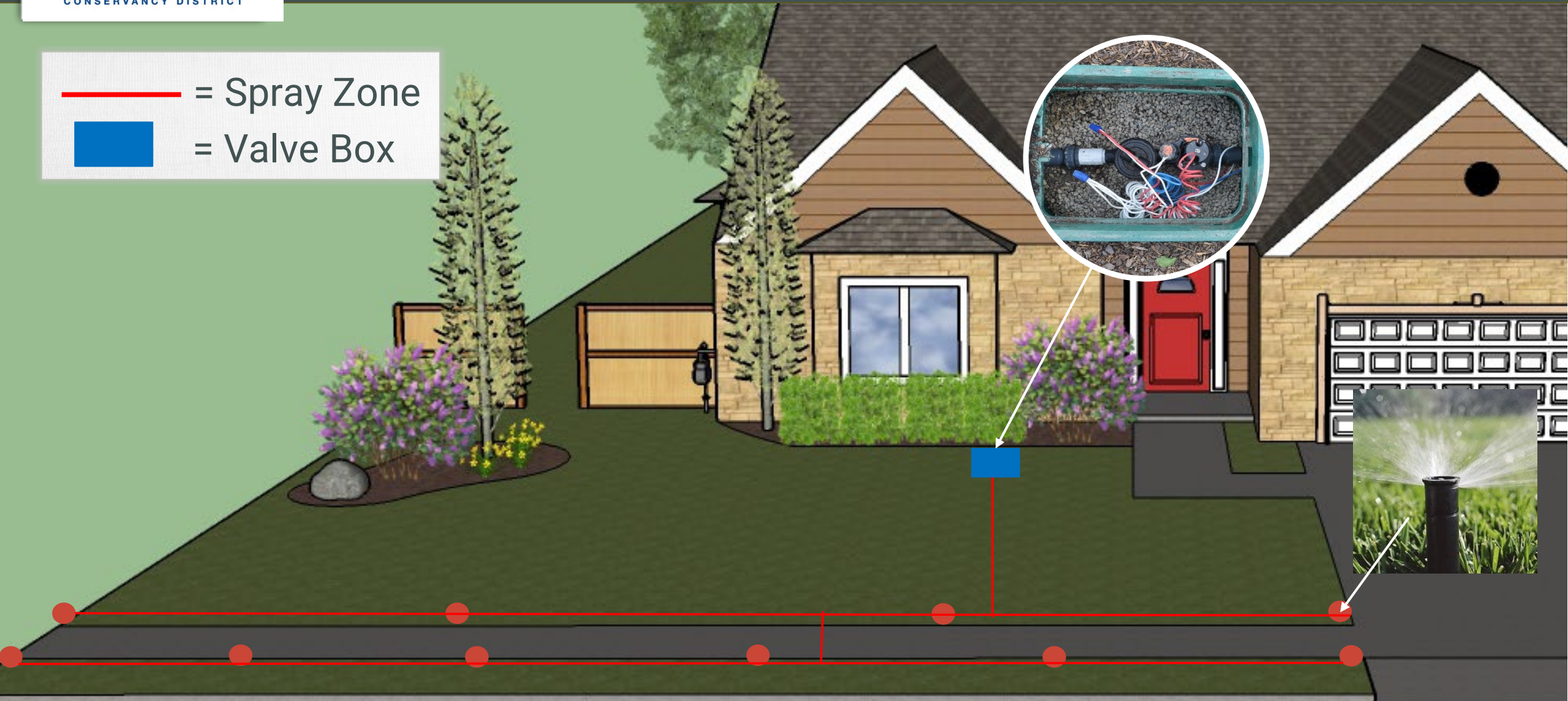
- = RETROFITTED Sprinkler Head
- = CAPPED Sprinkler Head
- = Drip Irrigation Tubing



TIP: No need to dig up all the old pipe, just cap off unnecessary spray heads.

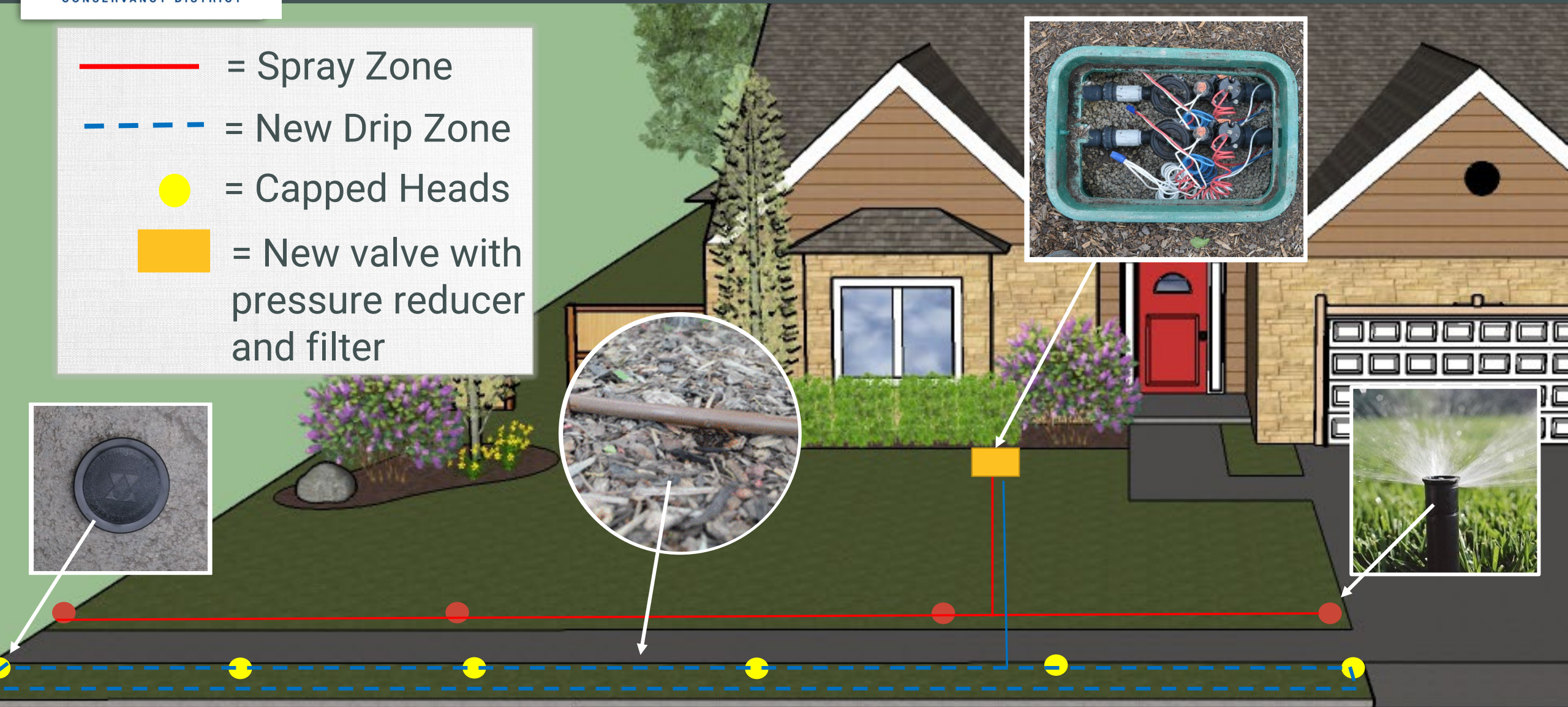
Existing irrigation

— = Spray Zone
■ = Valve Box



Configuring the drip zone

-  = Spray Zone
-  = New Drip Zone
-  = Capped Heads
-  = New valve with pressure reducer and filter





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Existing irrigation

- = Spray Zone 1
- = Valve Box





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Configuring the drip zone

- = Capped Heads
- = PVC threaded elbow



4

Add Hardscape

- Create pass-through areas throughout the landscape
- Make sure the path is large enough for safe passage





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Drip Lines & Hardscape:

Run blank drip
tubing through a
conduit below
paths



4

Hardscape Considerations

- Hardscape materials should be kept away from any existing or new trees
- This helps maintain the health of the tree and the integrity of the hardscape





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Permeable Materials

Hardscape must
be permeable to
water and air



Utah
Water
Savers



Find Landscape Rebate information at:

UtahWaterSavers.com

Why are plants important?

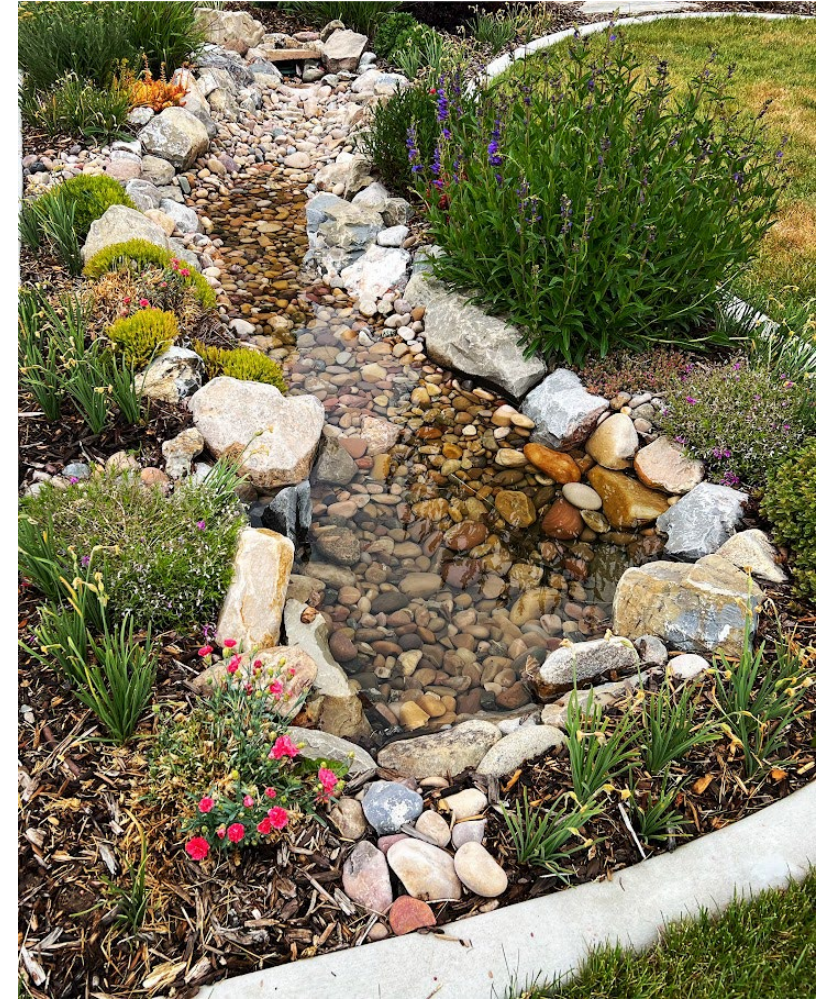
Reduce urban heat island



Supports wildlife



Improves water quality



5

Plants

- Plants should be waterwise, compact, and tough
- Salt tolerance is recommended in the park strip



*Real results from past class participant



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Plant Height

Plants in the park strip must be shorter than 24" tall to not block sight lines from the driveway or road



Find Landscape Rebate information at:

UtahWaterSavers.com

5

Plants

- Plants should be the correct size for the area they are planted in



5

Plants

- We strongly discourage the removal of existing **healthy** trees





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Plant Coverage

Plants must cover
50% of the converted
project area at
maturity

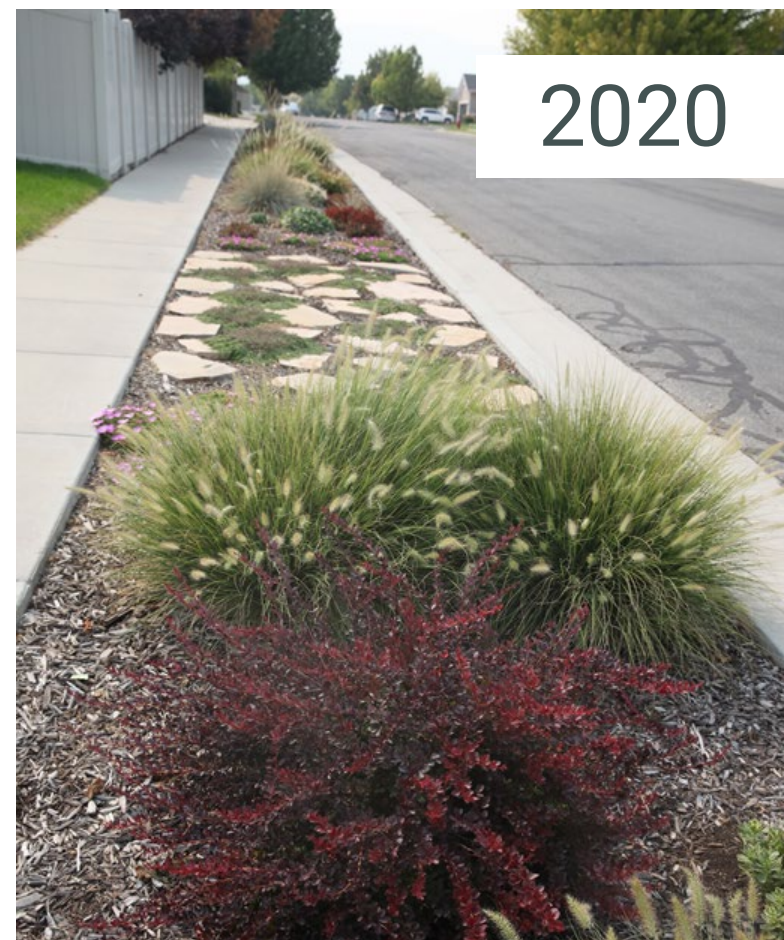
Bulbs, annuals, and
trees do not count
toward the required
50% plant coverage

*Real results from past
class participant

2018



2020



Find Landscape Rebate information at:

UtahWaterSavers.com

5

Plants: Mulch

- Cover the ground with mulch
- Helps retain soil moisture and reduce weeds
- Material is a matter of personal preference

gravel or
river rock



bark or
compost



chat or
DG





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Requirement: Mulch

3-4 inches of mulch
are required

Mulch can be rock,
wood chips,
composted mulch,
etc.



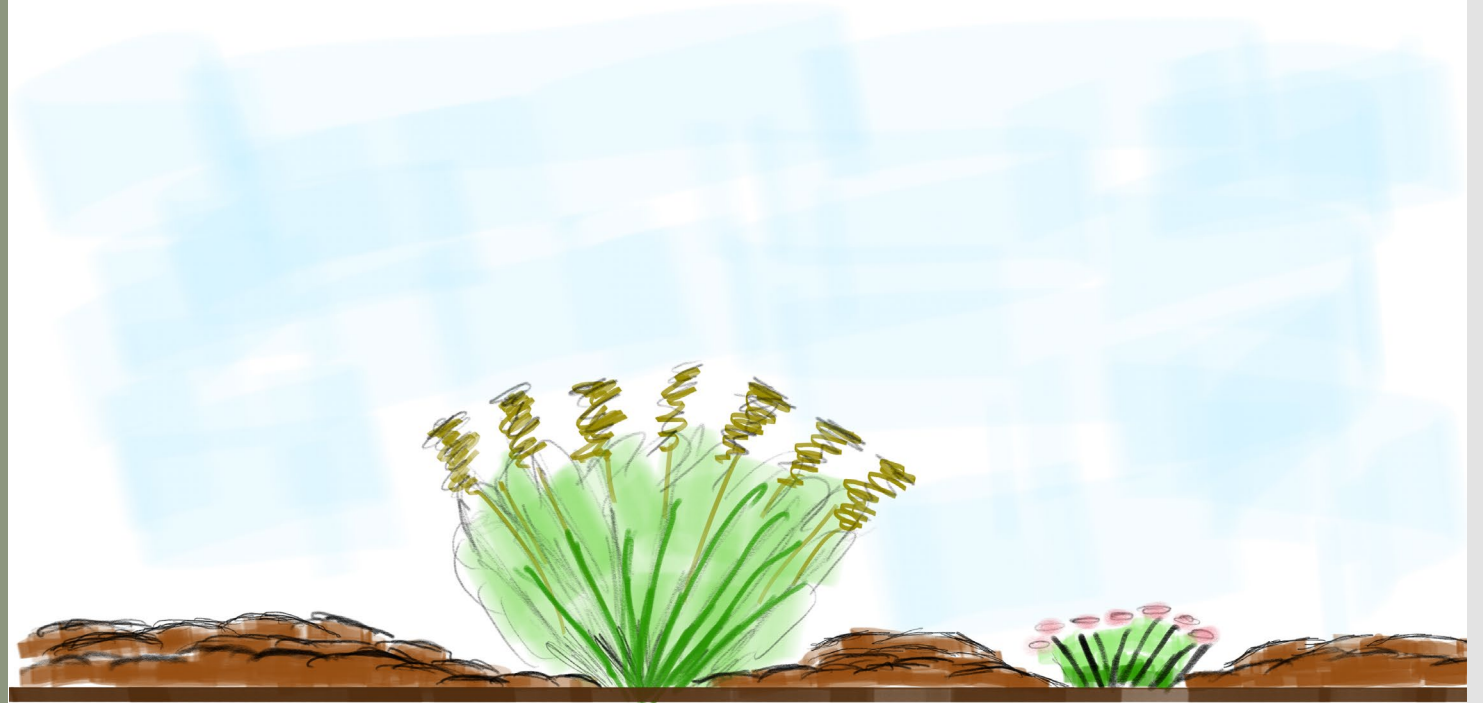
Find Landscape Rebate information at:

UtahWaterSavers.com

5

Plants: Mulch

- Plant in the soil
- Taper the thick mulch layer away from the plants
- Replenish as often as needed to maintain thickness





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Planting Bed Maintenance

Tips and techniques
to keep it low
maintenance and
beautiful.



Establishment Watering

- New plants can't handle long periods without water
 - Water every other day for the first two weeks
 - After the first two weeks you can scale back the watering to 2-3 times per week or as needed
-



Established Watering

- Waterwise planting beds should be watered deeply and infrequently
 - Once plants are established, they should be watered once per week for about 1 hour
-



Weed Control Recipe

1. Water with drip irrigation
 2. Apply 3"-4" of mulch
 3. Avoid soil compaction
 4. Minimize soil disruption
 5. Use herbicides only AFTER trying the first four steps
-

*Real results from past class participant



Maintenance Mistakes

- Landscape fabric kills the soil
 - Only works on weeds temporarily
 - Decreases plant health
 - Should only be used under hardscape
-





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Project Inspiration

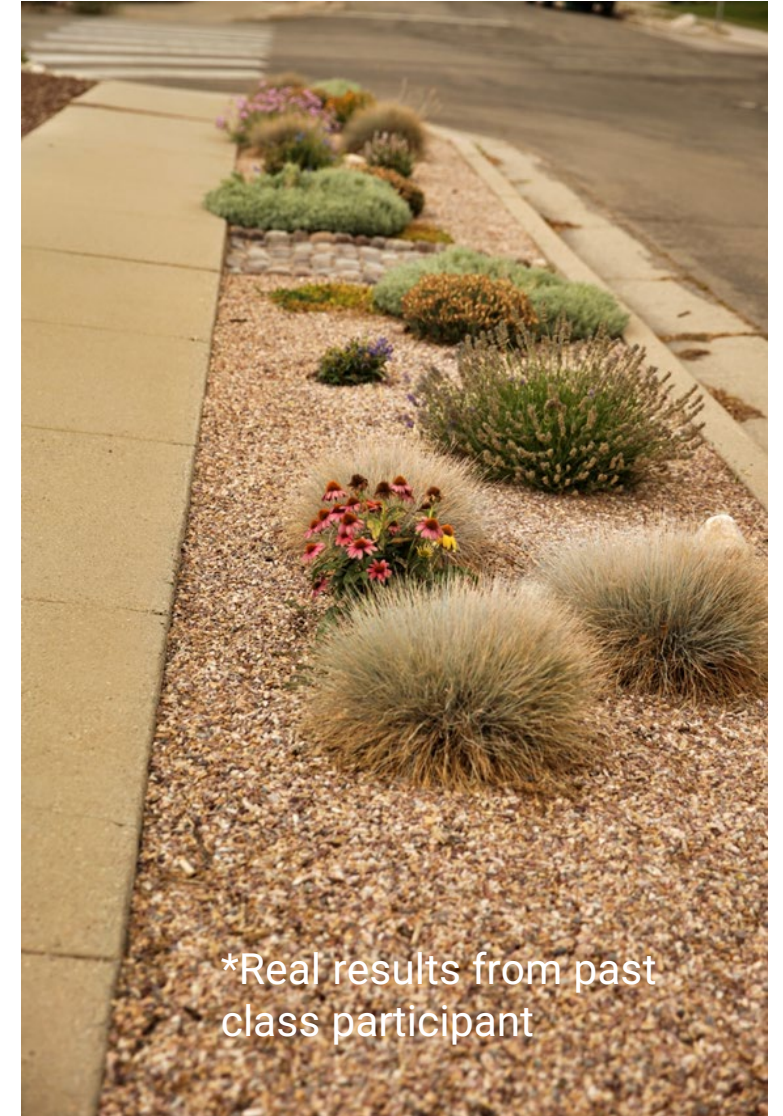
Ideas from
successful
incentive projects



Flip Your Strip



*Real results from past
class participant



*Real results from past
class participant



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Create Curb Appeal (literally!)



Lawn
Park Strip
(July)

Flipped
Park Strips

Lawn
Park Strip



*Real results from past
class participant



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Park Strip Inspiration

Park strip plants,
like the Sedums
shown here, can
fill the space
quickly

Fall
2016



Summer
2017



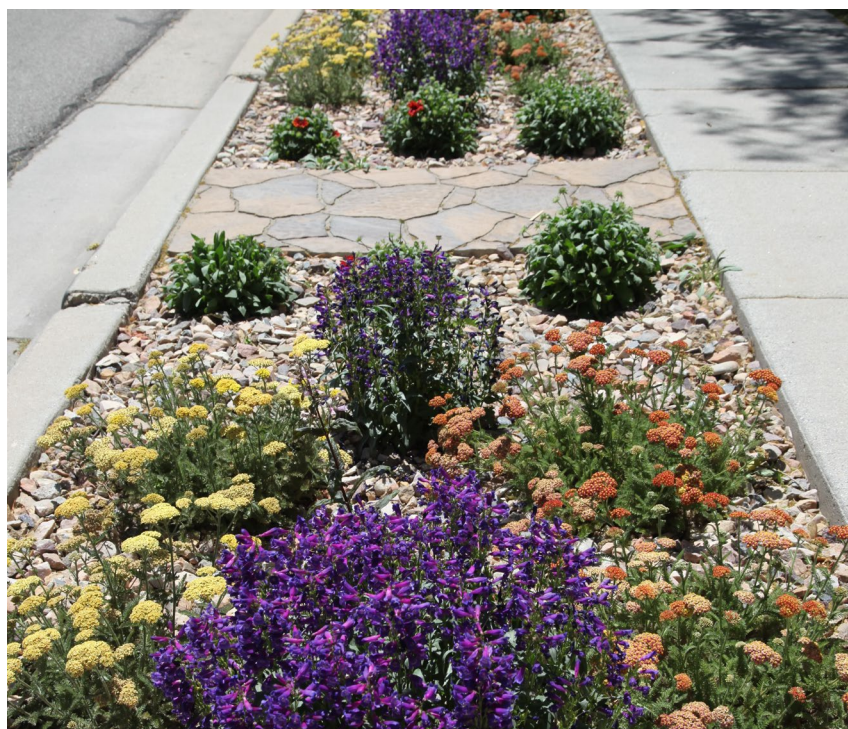
*Real results from past class participant



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Park Strip Inspiration

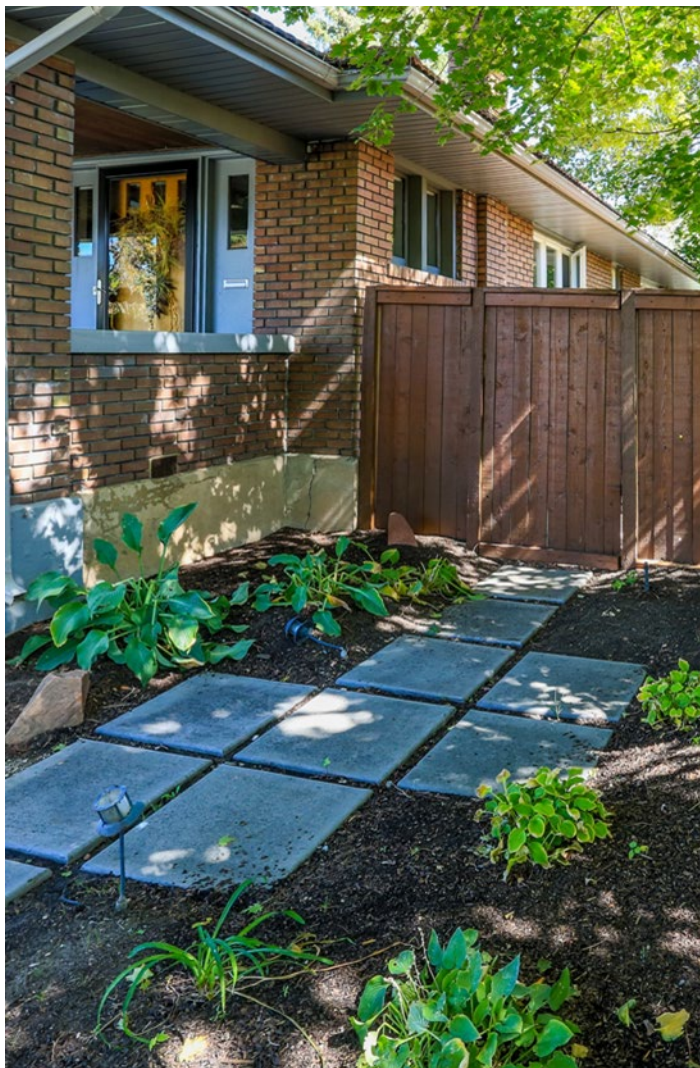
Multiple paths
for easy passage





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Create function with paths





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Create function with paths





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Side Yard Flip

BEFORE



AFTER





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

BEFORE



AFTER



Side Yard Flip



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

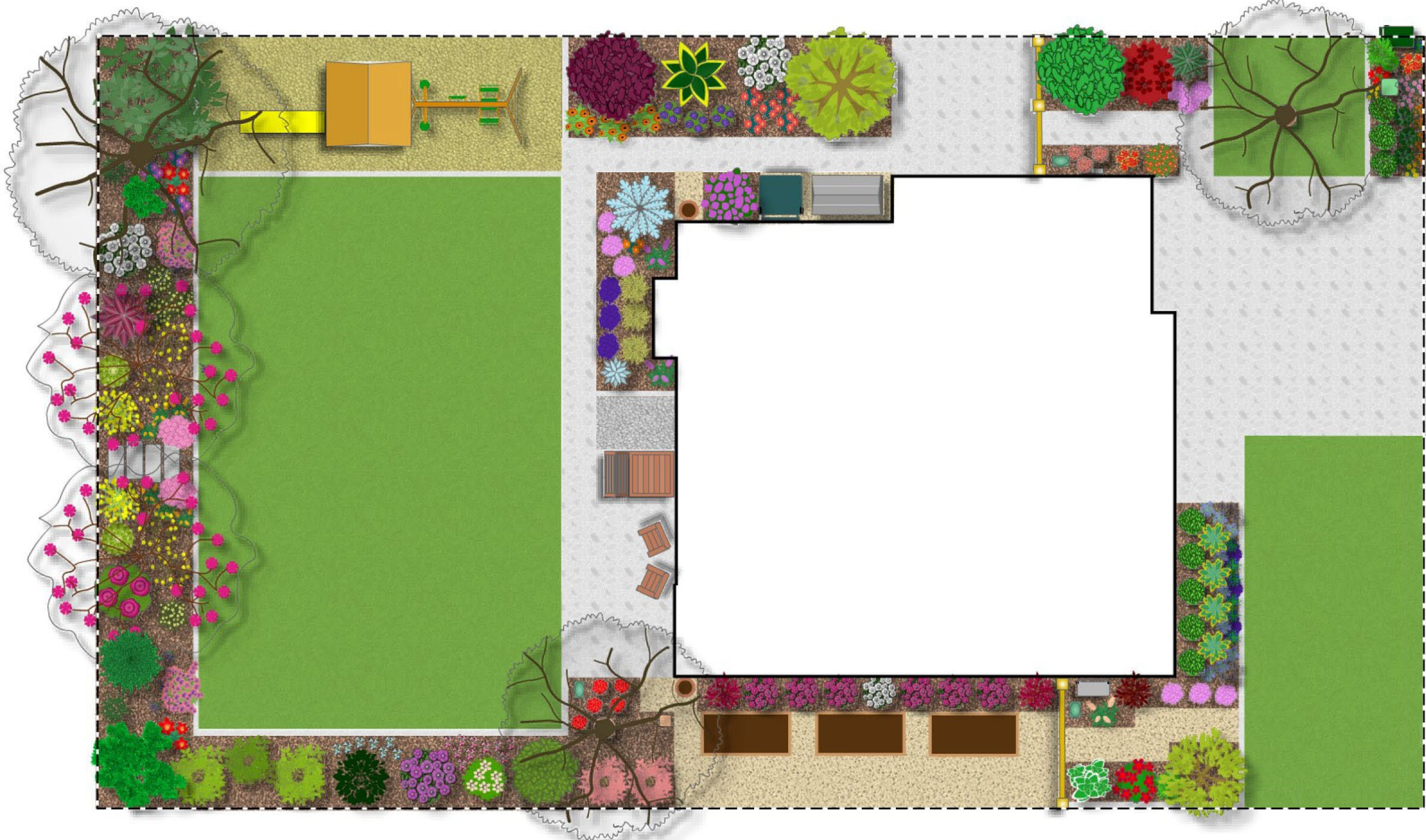
Side Yard Flip

BEFORE



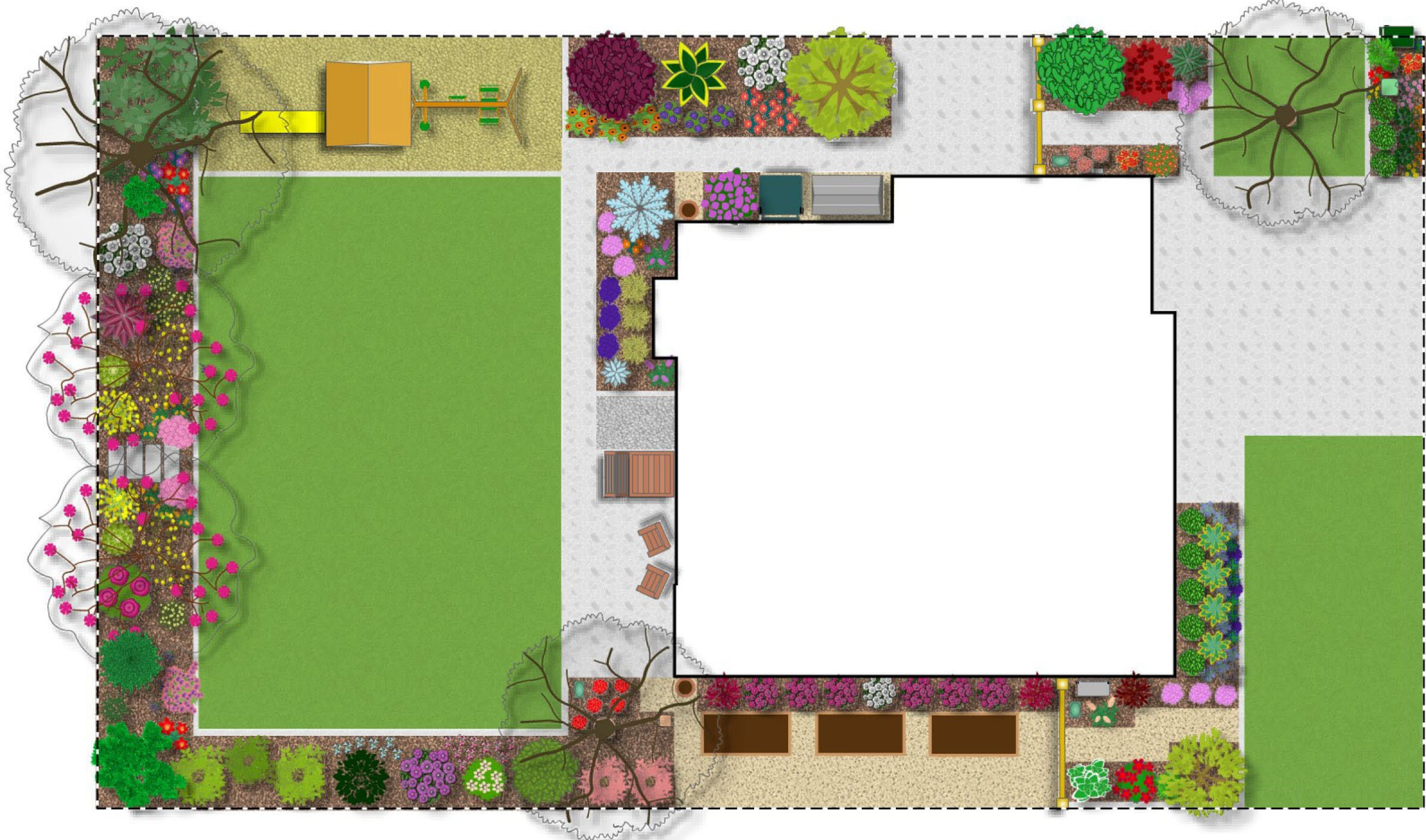
AFTER



















CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Inspiration Gallery



NCY DISTRICT

GALLERIES

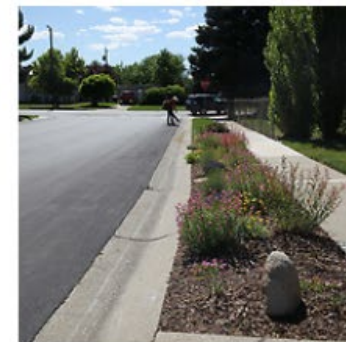
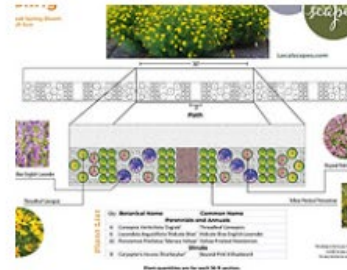
WORKSPACES

CONTACT

HELP

Examples

Search



Class Handouts
23 Files

Flip Your Strip
174 Files



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Resources:

Facebook



Localscapes Work Group

<http://facebook.com/groups/localscapes>



<https://www.facebook.com/utahwatersavers>



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Plant Database



Central Utah Water Conservancy District Plant Search

48081ed6-eafb-4f8f-a24f-c0f84f93d3b9

Facebook Twitter

ABOUT COMMUNITY DOING BUSINESS LEADERSHIP RESOURCES WHAT WE DO WATER DATA

Back to search

After Midnight Coneflower



Common Name: After Midnight Coneflower
Botanical Name: Echinacea 'After Midnight'
Plant Type: Perennial
Light Requirements: Partial Shade, Sun
Bloom Time: Summer
Bloom Color: Purple
Water Requirements: Low
Height: 12"
Width: 12"-14"
Hardiness Zones: 3-8
Deer Resistant: Yes
Utah Native: No

Goes well with



Baby Gold Goldenrod Becky Shasta Daisy Firewitch Dianthus

cuwcd.gov/plants



Plant Database



Photography Volunteer Jobs About Blog Contact [SUBSCRIBE](#) [DONATE](#)

Visit Find Plants Events & Classes Landscaping Help Rent Facility

Find Waterwise Plants

Search by: common name, botanical name, family, or variety [Search](#)

☒ Advanced Search Filters

Plant Type [?]

Garden Area [?]

Bloom Season [?]

☐ Foliage Interest [?]

☐ Erosion Control [?]

☐ Utah Native [?]

☐ Groundcover [?]

Irrigation Requirement [?]

Localscapes Planting Design Elements [?]

Bloom Color [?]

☐ Nativar [?]

☐ Evergreen [?]

☐ Deer Resistant [?]

☐ Foodscape [?]

☐ Light Requirement [?]

☐ Foliage Color [?]

☐ Salt Tolerant [?]

☐ Pollinator Friendly [?]

[SEARCH](#)

Alphabetical Plant Search: [All](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Conservation Garden Park
801-256-4400
8275 South 1300 West
West Jordan, Utah 84088

15

Apr
8 - 6:30pm
Mon-Sat

May-Aug
8 - 8pm
Mon-Sat

Sep-Oct
8 - 6:30pm
Mon-Sat

Nov-Mar
8 - 5pm
Mon-Fri

Open year round. Closed [some holidays](#).

Visit Find Plants Events & Classes Landscaping Help Rent Facility Volunteer Jobs About Contact

© Copyright 2022 Jordan Valley Water Conservancy District. All Rights Reserved.

ConservationGardenPark.org/plants



Conservation Garden Park

8275 S 1300 W
West Jordan





Next Steps:

Apply for Rebates!!



<http://UtahWaterSavers.com>

[SIGN IN](#) [REGISTER](#)

[HOME](#)

Utah
Water
Savers



[CREATE YOUR ACCOUNT](#)

It Pays to Save

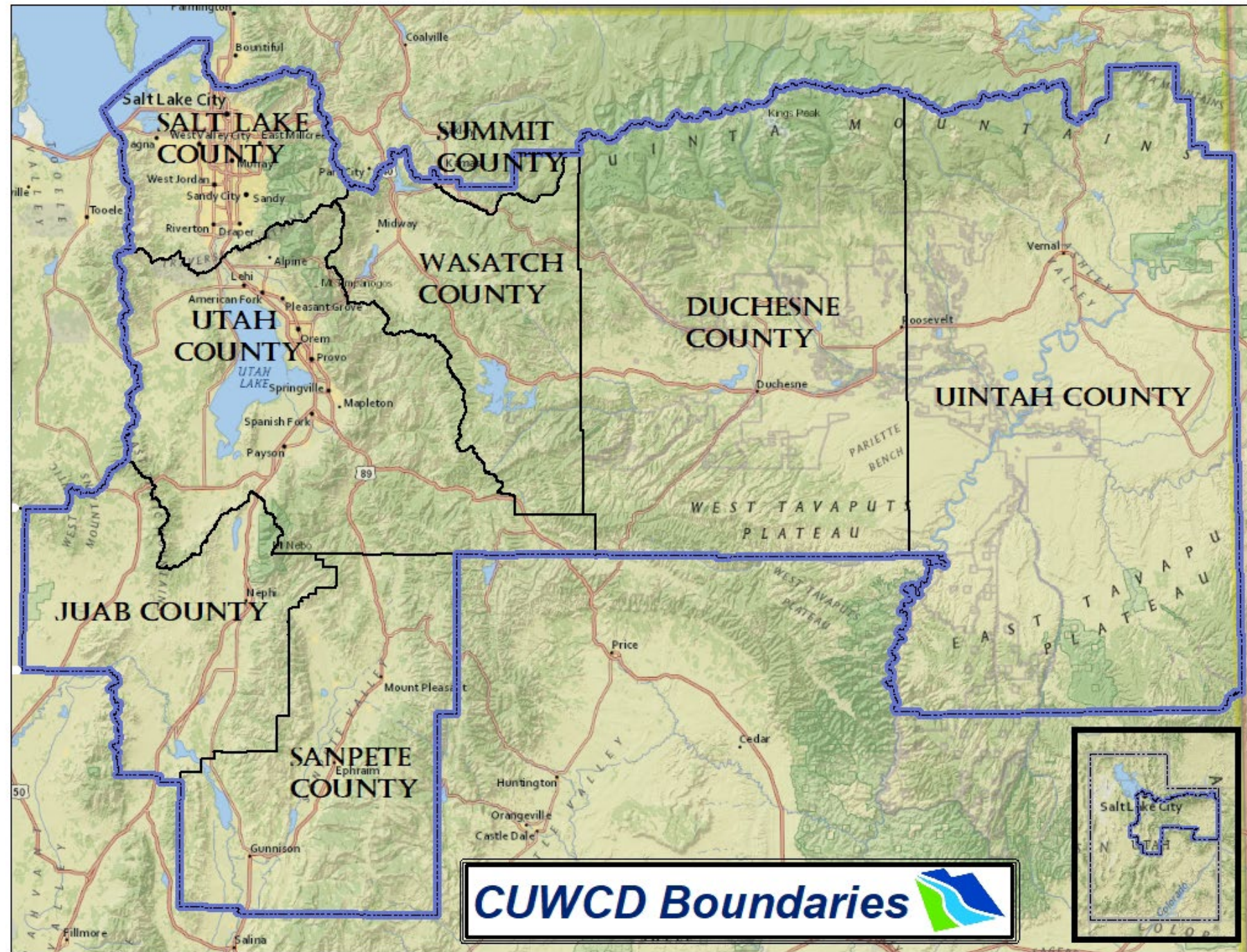
Ready to start saving water on your landscape or in your home? Create a Utah Water Savers account to view cash rebates and programs available in your area.

[Programs and Rebates](#)



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

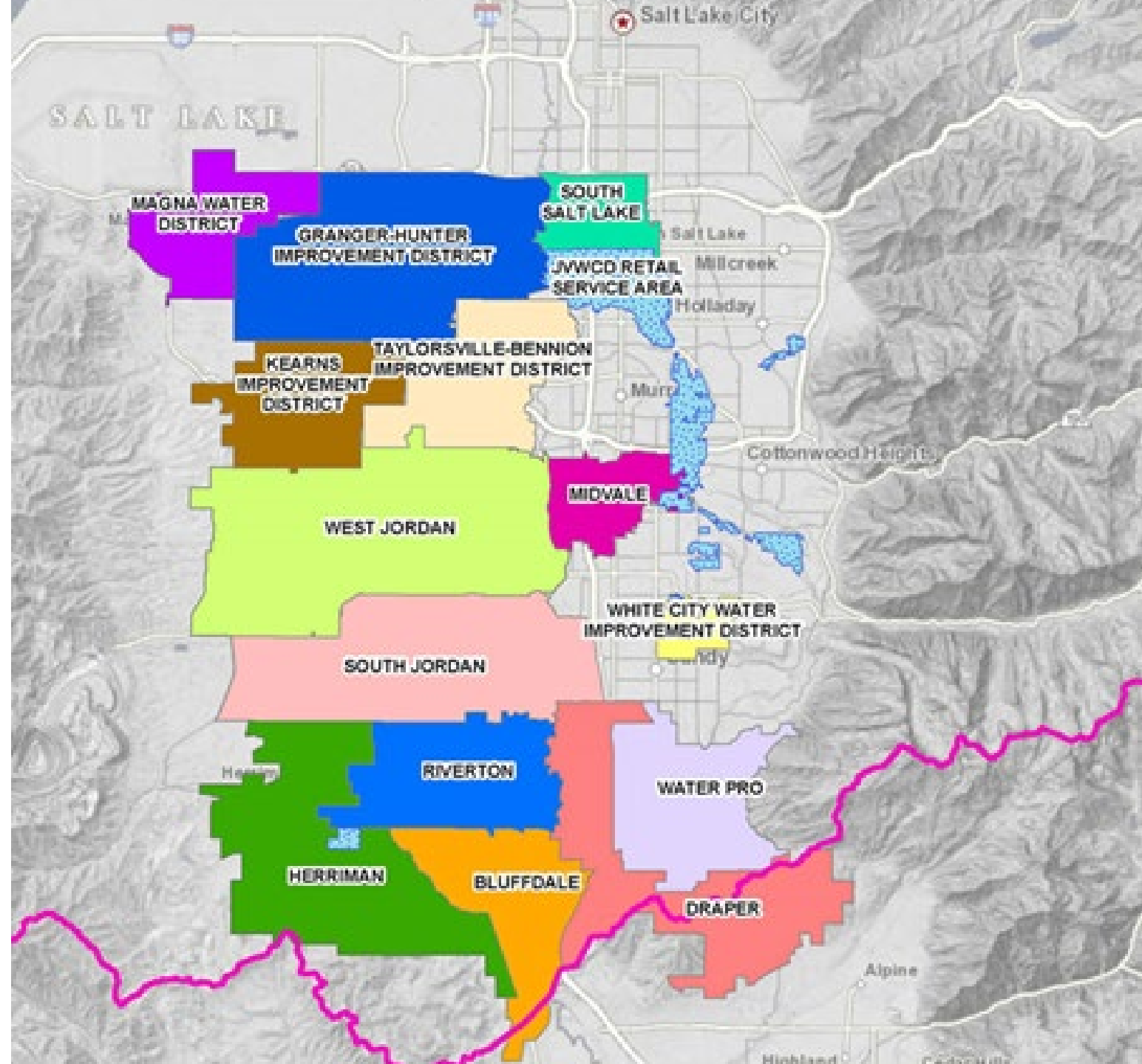
801-226-7148





JORDAN VALLEY WATER
CONSERVANCY DISTRICT

801-256-4401



Eligible Locations

The following cities have adopted qualifying water-efficient landscape ordinances for new residential developments. Residents in these areas are eligible for rebates. **Cities will be added as landscape ordinances are updated to meet state requirements.**

Alpine	Fruit Heights	North Salt Lake	Summit County, Snyderville Basin
American Fork	Heber City	Payson	Syracuse
Bluffdale	Herriman	Riverdale	Taylorsville
Bountiful	Hyde Park	Riverton	Tooele
Cedar City	Kaysville City	Roy	Vineyard
Cedar Hills	Ivins	Salt Lake City	Washington
Clearfield	Kearns Metro Township	Sandy City	Washinton Terrace
Clinton	La Verkin	Santa Clara	West Bountiful
Cottonwood Heights	Lehi	Smithfield	West Haven
Draper	Lindon City	South Jordan	West Jordan
Elk Ridge	Magna	South Ogden	West Valley City
Enoch	Millcreek	South Salt Lake	White City
Farmington	Nibley City	St. George	Woods Cross
Farr West	North Logan		

Social

f

You Tube

twitter





Key Requirements

- You cannot remove the lawn until your project has been **approved**
- Project area must be at least **200 square feet**
- The project **cannot** create **non-functional grass** areas
- **50% plant coverage** at maturity
- 3-4 inches of **mulch**
- Drip system on its **own zone**
- Only **one type of drip** irrigation per zone
- The water must be on for your **final visit**

Park strip plants must stay below 24" in height





CENTRAL UTAH WATER
CONSERVANCY DISTRICT



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Full-Sun Favorites

Plants that can
take the heat!





Sol Dancer Daisy

Hymenoxys acaulis

arizonica 'Sol Dancer'

- Super blooming Utah native (April- November)
- 15-16" tall x 12-15" wide
- Tidy mat of green foliage





Chocolate Flower

Berlandiera lyrata

- Smells like chocolate
- Blooms off and on all season
- 1' tall x 2' wide





Penstemon species

Penstemon spp.

- Utah native
- Many varieties
- Many colors available





Silver Edged Horehound

Marrubium rotundifolium

- Low growing evergreen
- 10" tall x 18" wide





Blonde Ambition Blue Grama Grass

Bouteloua gracilis 'Blonde Ambition'

- Requires little care yet offers great interest
- 8-24" tall x 8-18" wide
- Chartreuse seed heads





Fire Chalice

Zauschneria californica

- Low, spreading groundcover
- 1' tall x 2' wide
- Summer-fall bloom





Hummingbird Mint

Agastache spp.

- New low-growing cultivars for park strips
- 2' tall x 2' wide
- Summer-fall bloom in many colors



Catmint

Nepeta spp.

- Low, spreading groundcover
- 1' tall x 2' wide
- Spring bloom, repeats





Blue Oat Grass

Helictotrichon

- *Multi-season interest*
- *2' tall x 2' wide*
- *Blue-green blades*





CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Part-Shade Favorites

Understory plants
for dry shade



Sedge

Carex spp.

- Ornamental grass for dry shade
- 1' tall x 1' wide
- Multiple foliage colors





Kinnikinnick

Arctostaphylos uva-ursi

- Evergreen groundcover shrub
- 8" tall x 2' wide
- Tiny flowers in spring, berries in fall



Dead Nettle

Lamium spp.

- *Fantastic foliage option*
- *8" tall x 2' wide*
- *Pink, purple or white flowers*





Hardy Geranium

Geranium spp.

- Fantastic foliage and flower options
- 1' tall x 2' wide
- Pink, purple or blue flowers



Plumbago

*Ceratostigma
plumbaginoides*

- Cobalt blue flowers
- 1' tall x 2' wide
- Vivid red fall color

