

WATERWISE LANDSCAPING

HOW TO CREATE A WATERWISE LANDSCAPE


- Plan and design prior to planting
- Analyze soil
- Keep lawn size practical- design your turf areas!
- Irrigate efficiently
- Use mulch
- Maintain appropriately
- Select appropriate plants

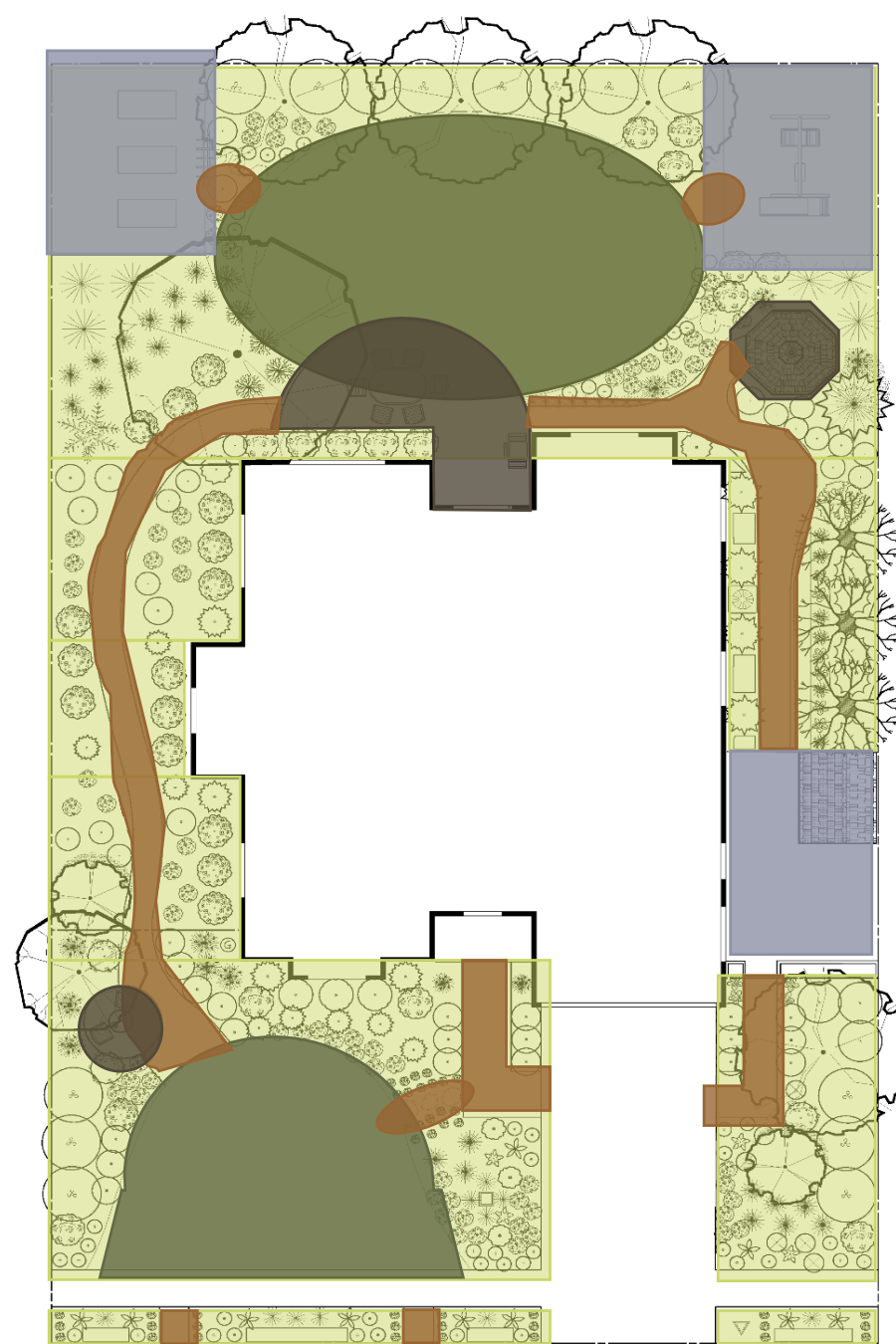
A detailed landscape design plan for a residential property. The plan features a central house with a dark grey roof and a light grey exterior. To the left of the house is a paved driveway with a parking space. The front yard includes a large green lawn, a paved walkway leading to the front door, and several garden beds with various plants and flowers. A wooden deck is located on the right side of the house, overlooking a large green lawn. The plan also shows a stone wall, a circular garden bed, and a paved area with a circular pattern. The overall design is a comprehensive site plan for landscaping.

PLAN AND DESIGN PRIOR TO
PLANTING



Localscapes House Plan View

-  1. Central Open Shape
-  2. Gathering Areas
-  3. Activity Zones
-  4. Paths
-  5. Plantings





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Landscape for where you live.

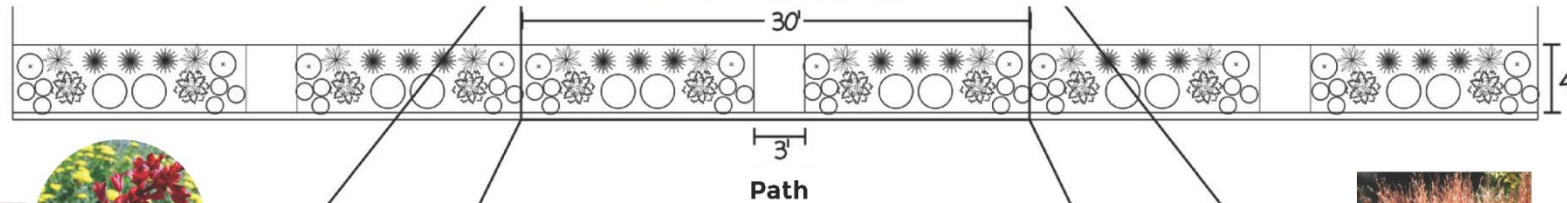
Utah Park Strip Design Plan



Lush with Less

High Density Perennial Design

Localscapes.com



Sonoran Sunset Hummingbird Mint



Brakelights Red Yucca



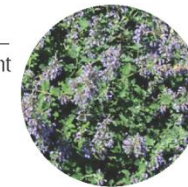
Moonshine Yarrow



Sundancer Daisy



Blaze Little Bluestem



Walkers Low Catmint

Plant List

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

Plant quantities are for each 30 ft section.



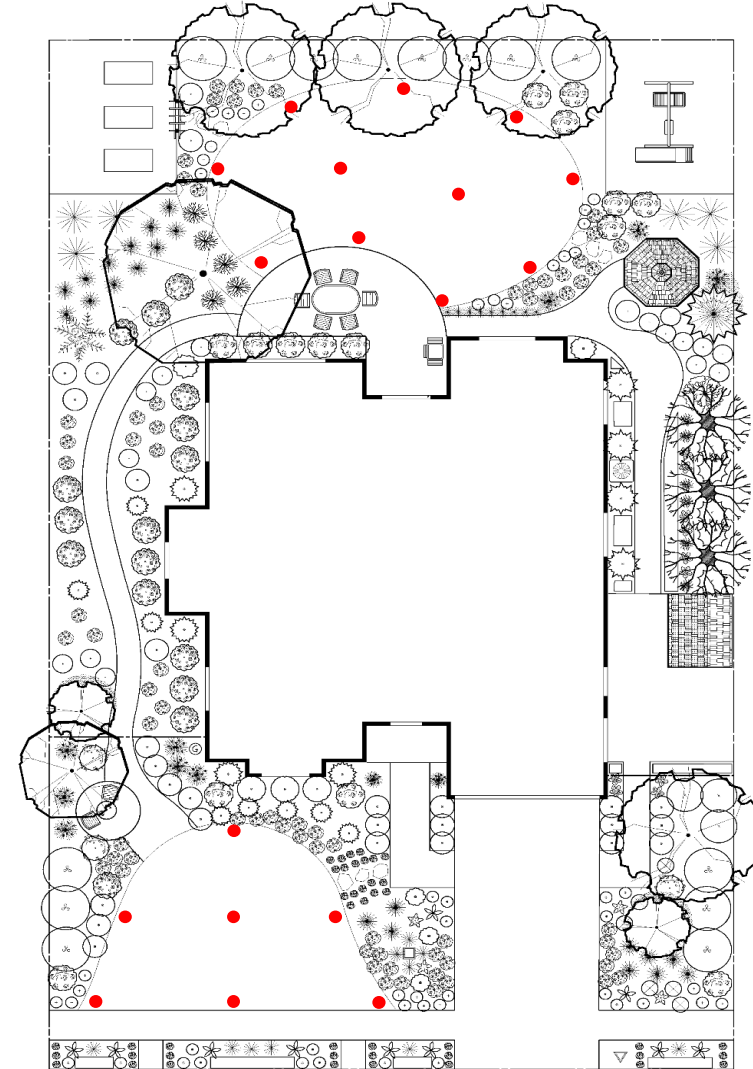
JORDAN VALLEY WATER
CONSERVANCY DISTRICT

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PLAN AND DESIGN YOUR IRRIGATION PRIOR TO PLANTING

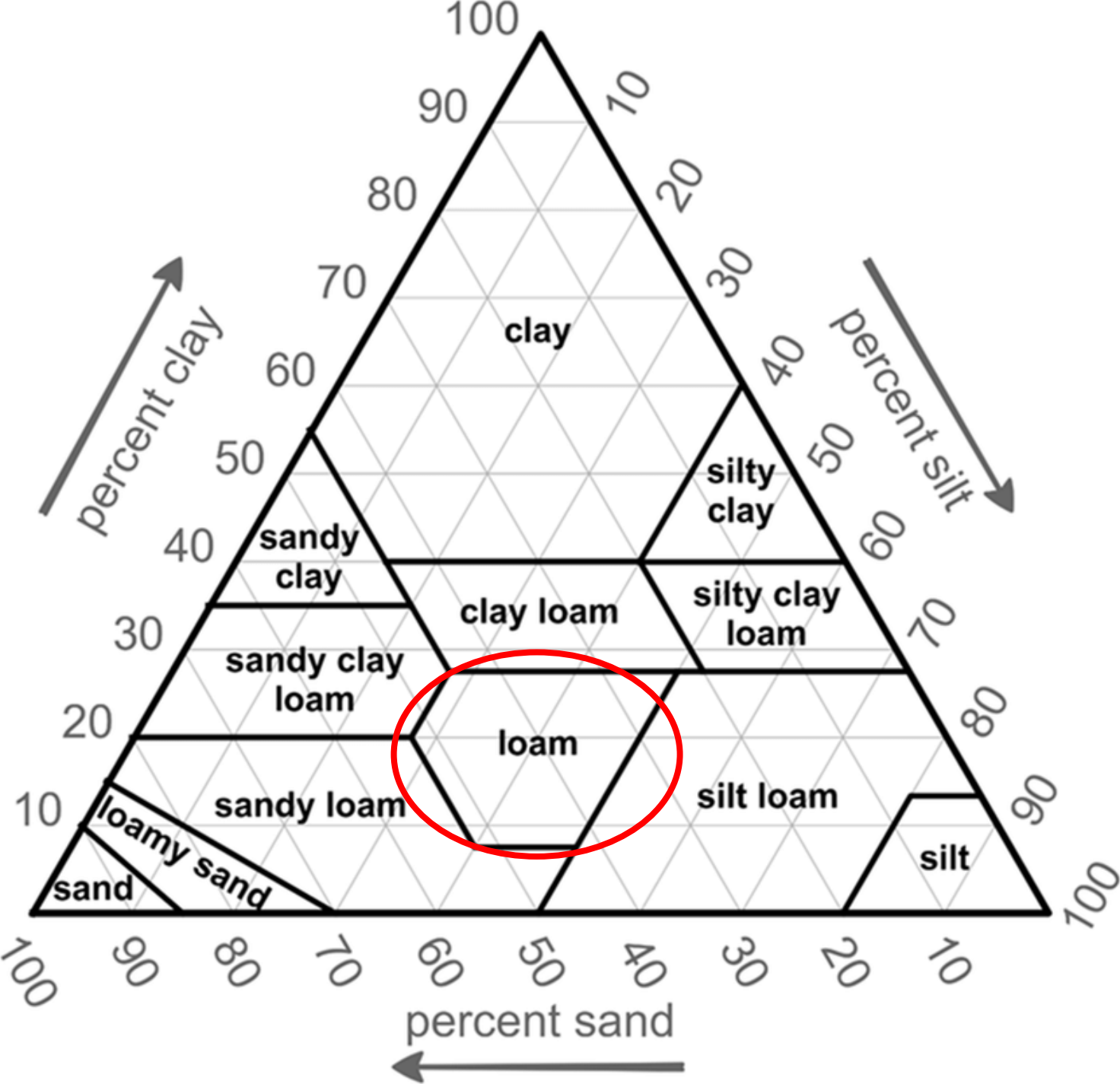


- New plan: Irrigation design before planting!
- Existing plan: Is your irrigation set for low water plants? Modifications needed?



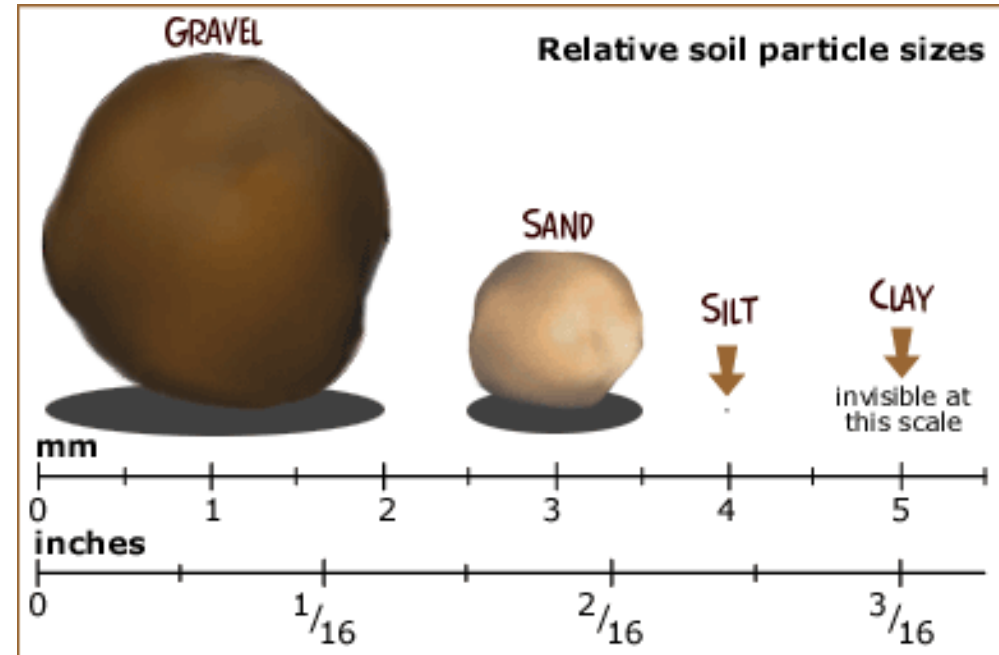


ANALYZING AND AMMENDING SOIL



ANALYZE SOIL

- Resources for soil analyzing
 - <https://forestry.usu.edu/files/other-publications/soil-testing-guide-home-gardens.pdf>
 - <https://extension.usu.edu/yardandgarden/soils/>
 - <http://www.usual.usu.edu/>

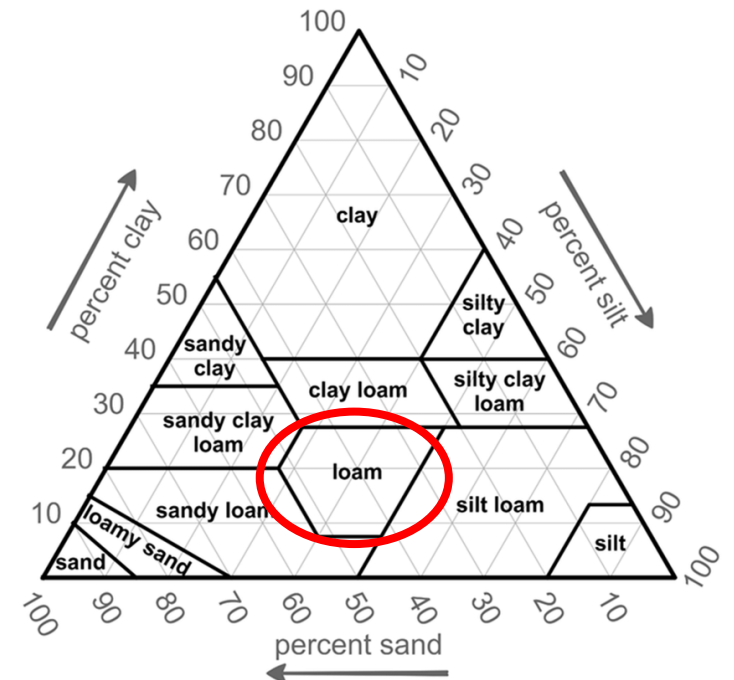
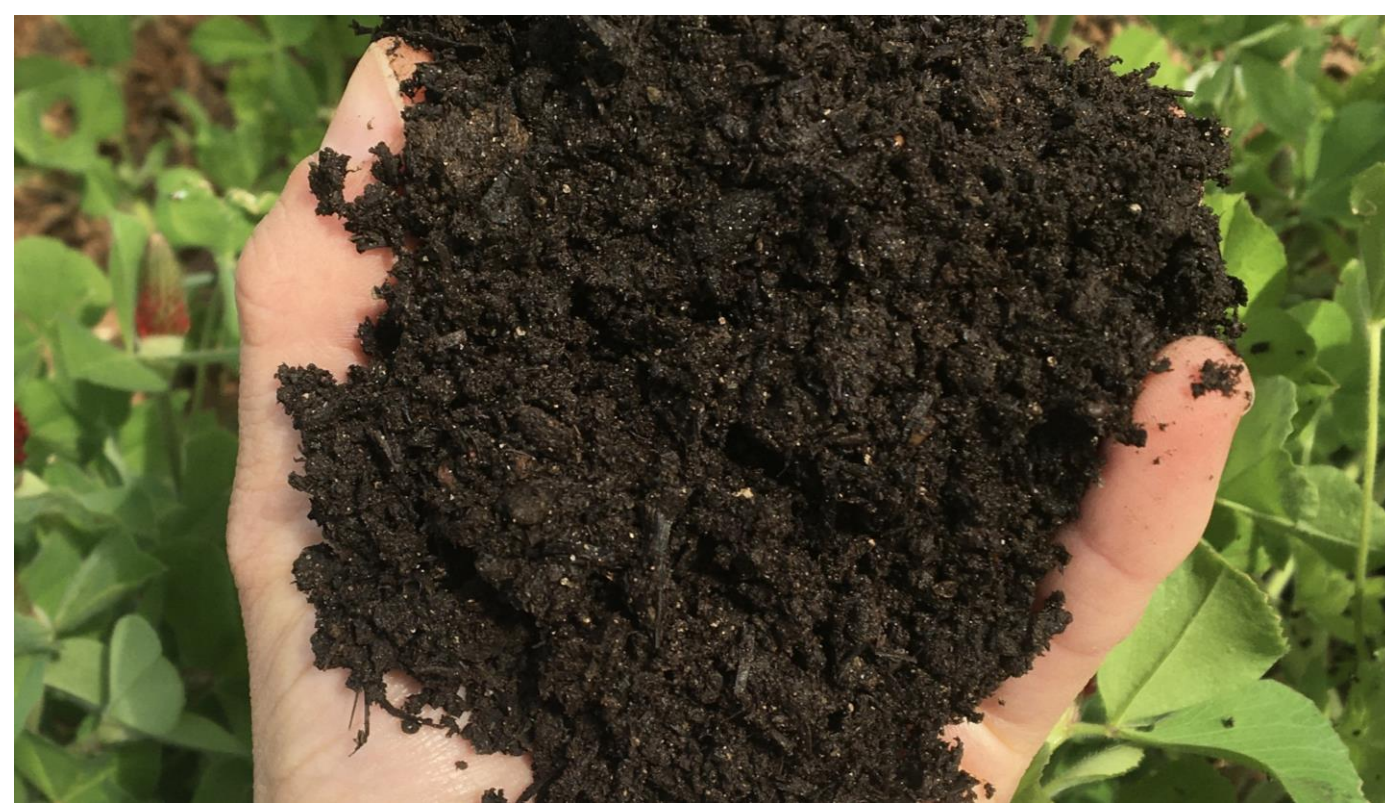


ANALYZE SOIL

- Some native plants need a specific soil type!
- Most Utah natives and other low water plants love soil with good drainage, no clay soils
 - Clay soils will hold too much moisture, causing many native and low water plants to fail.

AMMEND HEAVY CLAY OR COMPACTED SOIL

- Add organic matter: Homemade compost, topsoil, turkey compost



KEEP LAWN SIZE PRACTICAL

How do you plan to use your lawn?



- Not going to be used
- Cannot be irrigated efficiently- less that 8' wide
- Maintenance is a lot more than if it was filled with shrubs and perennials



- Very large grass area, probably not all area is used
- Maintenance is constant and would take a good amount of time with a push mower.
- A lot to irrigate and not much use = wasted irrigation water.



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USE ARTIFICIAL TURF

PROS

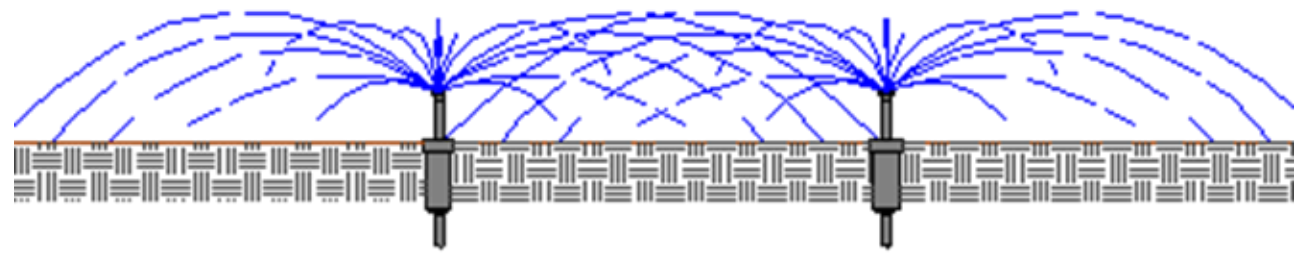
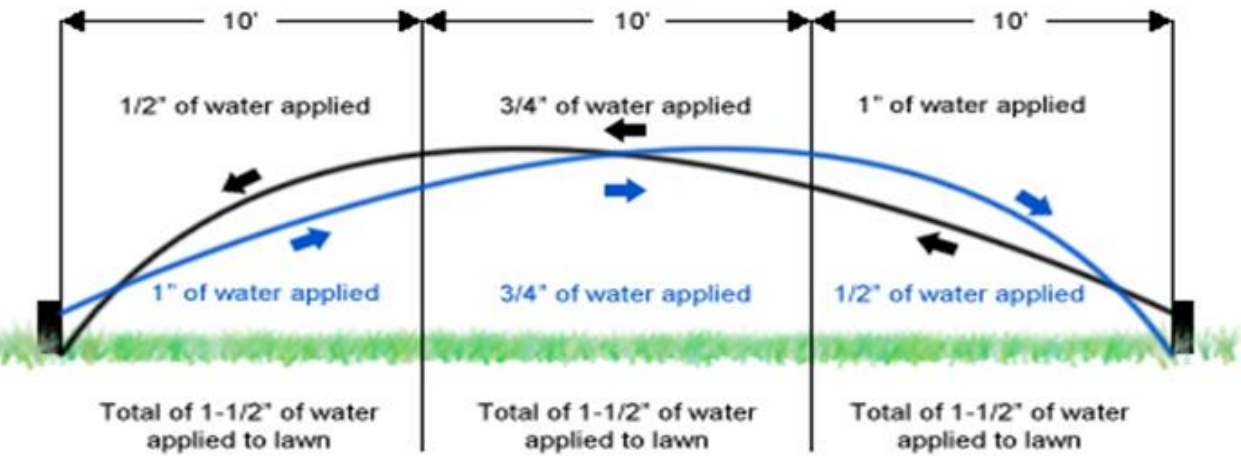
- No irrigation needed
- No maintenance
- Green all year round
- Great if used for areas not going to be stepped on with bare feet.
- Can be installed into small areas not fit for real grass.

CONS

- Can get VERY hot in direct sunlight
- You may have to replace at some point
- Not soft

A photograph of a lush green lawn being watered by a sprinkler system. In the foreground, a black pop-up sprinkler head is visible, spraying water across the grass. The background features a dense line of trees and a large rock. The text "IRRIGATE EFFICIENTLY" is overlaid in the center of the image.

IRRIGATE EFFICIENTLY



"HEAD-TO-HEAD COVERAGE"
 THE WATER FROM ONE SPRINKLER
 GOES ALL THE WAY TO THE NEXT
 SPRINKLER



Area between heads is receiving the same amount of water.

← GOOD | BAD →



This area is receiving twice the water.

DIFFERENT IRRIGATION FOR DIFFERENT PLACES

Spray or Rotary for Turf

- Head-to-head coverage
- Good areas to irrigate
- Area no smaller than 8' wide
- NO IRRIGATING SIDEWALKS!





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DIFFERENT IRRIGATION FOR DIFFERENT PLACES

Drip irrigation for Plant Beds

- Irrigation goes straight to the plant
- Prevents powdery mildew
- Prevents weeds
- Better control of how much water plants are receiving



USE MULCH



PROS AND CONS TO BARK MULCH

- PROS
 - Gives a more finished look.
 - Over time it breaks down into organic matter in your soil
 - Can help discourage weeds
 - Helps insulate some heat in the winter
 - Helps with water retention
 - Hides drip lines well
- CONS
 - May need to be replaced due to the color fading over time, it breaking down over time, or the chips being moved around.



PROS AND CONS TO STONE MULCH

- PROS

- Gives a more finished look.
- Can help discourage weeds
- Helps insulate some heat in the winter
- Helps with water retention
- Hides drip lines well

- CONS

- May need to be replaced due to the color fading over time, it breaking down over time (lava rock), or the stones being moved around.
- Harder to weed around and to put replacement plants into.



MAINTAIN
APPROPRIATELY



SPRING CLEANUP

- Raking leaves out of beds
- Finish cutting down and cleaning up grasses and perennials
- Spring weeding
- Mixing in compost
- Applying pre-emergent for weeds

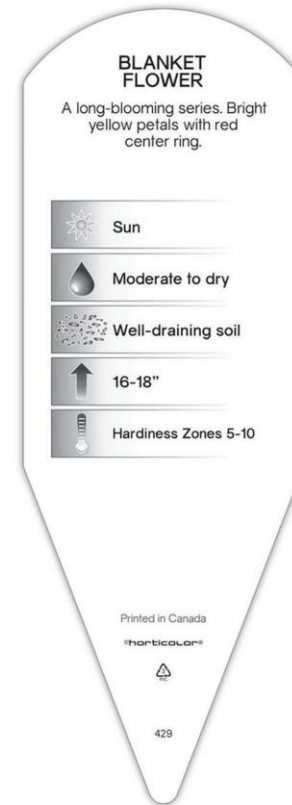
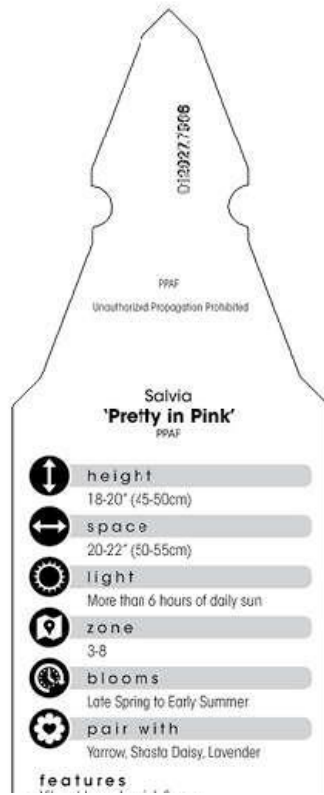
WINTER PREPPING

- Cutting down perennials and grasses
- Final weeding
- Picking up fallen fruit
- Raking leaves

If the correct practices have been implemented, maintenance shouldn't be a problem.



SELECT APPROPRIATE PLANTS



WHEN AT THE NURSERY READ THE PLANT TAGS!

- Low water plants
- Plants that will work with your soil
- Correct light requirements

TURF

A photograph of a grassy field with trees in the background and a red car parked on the right. The word "TURF" is overlaid in white text in the center of the image.



Bouteloua spp. BUFFALO AND BLUE GRAMA

- 40-50% Less water than Kentucky Bluegrass
- Warm-season: Best green in the Summer
- Don't handle high traffic





Festuca ovina

HARD FESCUE

- Most drought tolerant of cool season grasses
- Cool season: Best green is in Spring and Fall
- Needs deep soil for deep root system



TREES



Abies concolor WHITE FIR

- WATER: Low
- HEIGHT: 100 ft. Max (Takes a VERY long time)
- SPREAD: 20 ft. Max
- SUN: Full/part
- HARDINESS ZONE: 3-7



Juniperus scopulorum- ROCKY MOUNTAIN JUNIPER

- WATER: Low
- HEIGHT: 20'
- SPREAD: 10'
- SUN: Full
- HARDINESS ZONE: 3-7



Pinus nigra- AUSTRIAN PINE

- WATER: Low
- HEIGHT: 60'
- SPREAD: 30'
- SUN: Full
- HARDINESS ZONE: 4-7



Acer griseum

PAPERBARK MAPLE

- WATER: Low to medium
- HEIGHT: 20-30'
- SPREAD: 15-25'
- SUN: Full/Part
- HARDINESS ZONE: 4-8
- FALL: Red and Orange





Ginkgo biloba- MAIDENHAIR TREE

- WATER: Low
- HEIGHT: 50'
- SPREAD: 30'
- SUN: Full
- HARDINESS ZONE: 3-9
- FALL COLOR: Golden yellow



Koelrueteria paniculate- GOLDEN RAIN TREE

- WATER: Low
- HEIGHT: 35'
- SPREAD: 40'
- SUN: Full
- HARDINESS ZONE: 5-9
- FALL COLOR: Yellow
- BLOOM: Yellow
- BLOOM TIME: Summer



Zelkova serrata- JAPANESE ZELKOVA

- WATER: Low
- HEIGHT: 60'
- SPREAD: 60'
- SUN: Full
- HARDINESS ZONE: 5-8
- FALL COLOR: Red



A photograph of a nursery or garden center displaying a variety of shrubs in black plastic pots. The plants are densely packed and feature green foliage with some yellow flowers. The word "SHRUBS" is overlaid in white, sans-serif capital letters in the center of the image. In the background, a wooden fence and more trees are visible under a slightly overcast sky.

SHRUBS



Arctostaphylos patula- GREENLEAF MANZANITA

- WATER: Low
- HEIGHT: 1-1.5'
- SPREAD: 1-6'
- SUN: Full
- HARDINESS ZONE: 2-6
- BLOOM COLOR: Pink
- BLOOM TIME: Spring to Fall



Artemisia filifolia-SAND SAGEBRUSH

- WATER: Very Low
- HEIGHT: 3-4'
- SPREAD: 3-4'
- SUN: Full
- HARDINESS ZONE: 4-8
- BLOOM COLOR: Yellow
- BLOOM TIME: Summer to Fall



Cercocarpus ledifolius CURL-LEAF MOUNTAIN MAHOGANY

- WATER: Low
- HEIGHT: 12'
- SPREAD: 8-10'
- SUN: Full/part
- HARDINESS ZONE: 3-8
- BLOOM COLOR: Pink
- BLOOM TIME: Summer





Pinus mugo 'Slowmound' SLOWMOUND MUGO PINE

- WATER: Low
- HEIGHT: 3-4'
- SPREAD: 3-4'
- SUN: Full/part
- HARDINESS ZONE: 2-7



Hesperaloe parvifolia

RED YUCCA

- WATER: Very Low
- HEIGHT: 4'
- SPREAD: 2'
- SUN: Full
- HARDINESS ZONE: 5-10
- BLOOM: Red
- BLOOM TIME: Summer-Fall



Philadelphus lewisii 'Cheyenne' CHEYENNE MOCKORANGE



- WATER: Very Low
- HEIGHT: 8-9'
- SPREAD: 4-5'
- SUN: Full/part
- HARDINESS ZONE: 3-8
- BLOOM: White
- BLOOM TIME: Spring-Summer



Prunus besseyi SAND CHERRY

- WATER: Low
- HEIGHT: 1-1.5'
- SPREAD: 4-6'
- SUN: Full/part
- HARDINESS ZONE: 3-8
- FALL COLOR: Red-orange
- BLOOM: White
- BLOOM TIME: Spring



A vibrant garden scene featuring a variety of perennials. In the foreground, there are tall purple flowers, possibly Verbena, and clusters of lavender. The garden is filled with green foliage, including ornamental grasses and shrubs. In the background, a two-story house with a grey roof and a white boat with red stripes are visible under a clear blue sky.

PERENNIALS



Salvia dorrii

DORR SAGE

- WATER: Very Low
- HEIGHT: 2.5'
- SPREAD: 3'
- SUN: Full
- HARDINESS ZONE: 3-6
- BLOOM: Blue/Purple
- BLOOM TIME: Spring



Arenaria macradenia

SHRUBBY SANDWORT

- WATER: Low
- HEIGHT: 1.5'
- SPREAD: 2'
- SUN: Full
- HARDINESS ZONE: 3-8
- BLOOM: White
- BLOOM TIME: Spring-Summer



Scabiosa columbaria 'Butterfly Blue' PINCUSHION FLOWER

- WATER: Low
- HEIGHT: 1.5'
- SPREAD: 1.5'
- SUN: Full/part
- HARDINESS ZONE: 5-9
- BLOOM: Light Purple
- BLOOM TIME: Spring-Fall



Berlandiera lyrata CHOCOLATE FLOWER

- WATER: Low
- HEIGHT: 1'
- SPREAD: 3'
- SUN: Full
- HARDINESS ZONE: 4-8
- BLOOM: Yellow
- BLOOM TIME: Spring-Fall



Agastache rupestris HUMMINGBIRD MINT

- WATER: Low
- HEIGHT: 3.5'
- SPREAD: 1.5'
- SUN: Full
- HARDINESS ZONE: 5-9
- BLOOM: Variable
- BLOOM TIME: Summer-Fall



Helianthemum x nummularium 'Cheviot' CHEVIOT ROCKROSE

- WATER: Low
- HEIGHT: 1'
- SPREAD: 3'
- SUN: Full/part
- HARDINESS ZONE: 5-8
- BLOOM: Peach
- BLOOM TIME: Spring-Summer



Hymenoxys acaulis SUNDANCER DAISY

- WATER: Very Low
- HEIGHT: 1'
- SPREAD: 0.5-1'
- SUN: Full
- HARDINESS ZONE: 4-10
- BLOOM: Yellow
- BLOOM TIME: Spring-Summer

© SW Gardening



Penstemon strictus ROCKY MOUNTAIN PENSTEMON

- WATER: Low
- HEIGHT: 2'
- SPREAD: 3'
- SUN: Full/part
- HARDINESS ZONE: 4-9
- BLOOM: Purple
- BLOOM TIME: Spring-Summer



Penstemon pinifolius PINELEAF PENSTEMON

- WATER: Low
- HEIGHT: 10"
- SPREAD: 12"
- SUN: Full
- HARDINESS ZONE: 4-9
- BLOOM: Red
- BLOOM TIME: Spring-Summer



Opuntia erinacea

MOJAVE PRICKLYPEAR

- WATER: Very Low
- HEIGHT: 1'
- SPREAD: 3'
- SUN: Full
- HARDINESS ZONE: 5-10
- BLOOM: Variable
- BLOOM TIME: Summer



Agave utahensis

UTAH CENTURY PLANT

- WATER: Very Low
- HEIGHT: 1'
- SPREAD: 1'
- SUN: Full
- HARDINESS ZONE: 5-10
- BLOOM: Yellow
- BLOOM TIME: Summer



Coreopsis verticillata 'Moonbeam' TICKSEED

- WATER: Low
- HEIGHT: 2'
- SPREAD: 2'
- SUN: Full
- HARDINESS ZONE: 3-9
- BLOOM: Yellow
- BLOOM TIME: Summer to fall



Zauschneria latifolia FIRE CHALICE



- WATER: Low
- HEIGHT: 1.5'
- SPREAD: 2'
- SUN: Full/part
- HARDINESS ZONE: 5-9
- BLOOM: Red
- BLOOM TIME: Summer-Fall



GROUNDCOVERS



Rhus aromantica 'Gro-low' GRO-LOW SUMAC



- WATER: Low
- HEIGHT: 3'
- SPREAD: 8'
- SUN: Full/Part
- HARDINESS ZONE: 4-9
- FALL COLOR: Red-orange



Oenothera macrocarpa

EVENING PRIMROSE

- WATER: Very Low
- HEIGHT: 1'
- SPREAD: 2'
- SUN: Full
- HARDINESS ZONE: 4-8
- BLOOM: Yellow
- BLOOM TIME: Spring-Summer



Mirabilis multiflora

DESERT FOUR O'CLOCK

- WATER: Low
- HEIGHT: 2'
- SPREAD: 6'
- SUN: Full
- HARDINESS ZONE: 4-6
- BLOOM: Purple
- BLOOM TIME: Summer-Fall



Sedum spurium DRAGON'S BLOOD STONECROP



- WATER: Low
- HEIGHT: 0.5'
- SPREAD: 1.5'
- SUN: Full/Part
- HARDINESS ZONE: 3-9
- BLOOM: Pink
- BLOOM TIME: Summer



Thymus lanuginosus

WOOLLY THYME

- WATER: Low
- HEIGHT: 0.25'
- SPREAD: 3'
- SUN: Full
- HARDINESS ZONE: 4-9
- BLOOM: Pink (Not very common)
- BLOOM TIME: Summer



Veronica liwanensis TURKISH SPEEDWELL

- WATER: Low
- HEIGHT: 0.25'
- SPREAD: 1.5'
- SUN: Afternoon Shade
- HARDINESS ZONE: 4-9
- BLOOM: Blue
- BLOOM TIME: Spring-Summer

ORNAMENTAL GRASSES

A photograph of a field of ornamental grasses. The grasses are tall and thin, with some seed heads visible. The background shows a line of trees and a sky with scattered white clouds. The text "ORNAMENTAL GRASSES" is overlaid in the center in a white, sans-serif font.



Andropogon gerardii

BIG BLUESTEM

- WATER: Low
- HEIGHT: 6'
- SPREAD: 4'
- SUN: Full
- HARDINESS ZONE: 2-8
- FALL COLOR: Variable



Bouteloua gracilis

BLUE GRAMA



- WATER: Low
- HEIGHT: 3'
- SPREAD: 3'
- SUN: Full
- HARDINESS ZONE: 4-9
- FALL COLOR: Variable



Schizachyrium scoparium

LITTLE BLUESTEM



- WATER: Low
- HEIGHT: 3'
- SPREAD: 2'
- SUN: Full
- HARDINESS ZONE: 3-9
- FALL COLOR: Orange



Sporobolus airoides

ALKALI SACATON

- WATER: Very Low
- HEIGHT: 3.5'
- SPREAD: 2'
- SUN: Full
- HARDINESS ZONE: 4-9

A photograph of a lush garden bed filled with a variety of flowers. The scene is dominated by tall, slender stems with clusters of small, tubular pink flowers. Interspersed among these are numerous bright yellow flowers and smaller, delicate purple and white blossoms. The background shows some green foliage and a hint of a red brick wall. The overall lighting is soft, and the colors are vibrant against a slightly muted background. The word "COMBINATIONS" is centered in the image in a clean, white, sans-serif font.

COMBINATIONS









