







### **Design ≠ Gardening**



### 7 Principles of Water-Wise Landscaping



# Planning and designing for water conservation, beauty, and utility

## Hydrozoning

Selecting plant appropriate for our climate... Grouping them according to water need... Watering according to need

# Watering efficiently with appropriate irrigation methods

### Creating practical turf and non-turf areas

## Improving the soil

## Mulching to reduce evaporation

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Manager Street Street

Maintaining with good horticultural practices

#### **7 Principles of Water-Wise Landscaping**

- Planning…
- Hydrozoning…
- Watering efficiently..
- Practical turf...
- Improving soil
- Mulching
- Maintaining...



# Planning and designing for water conservation, beauty, and utility

### A process More than plunking down some plants







## Creating practical and pleasing outdoor space

What do you want and need from the landscape?

















**Colorado's High Plains Prairie** 

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### Investment in time and dollars

### A process More than plunking down some plants



# Watering efficiently with appropriate irrigation methods

On a community wide basis Apply twice the amount of water needed by landscape plants Due to poor irrigation system Design ✓ Maintenance Management

Watering efficiently

Irrigation efficiency has greatest water savings potential for most home gardeners.



#### **Drip irrigation**

#### with mulch reduces water use by 50%.

- Flower & shrub beds
- Vegetables
- Small fruits





#### **Sprinkler Design Criteria** for Uniform Water Distribution



#### design
## Hydrozoning

Selecting plant appropriate for our climate... Grouping them according to water need... Watering according to need



#### Grouping plants according to water need AND Irrigating according to need



#### o Lawn areas

- Routine irrigation
- Reduced irrigation
- Minimal irrigation



#### o Lawn areas

- ✓ Routine irrigation
- Reduced irrigation
- Limited irrigation

#### • Mixed shrub and flower beds

- Routine irrigation
- Reduced irrigation
- Limited irrigation



#### o Lawn areas

- Routine irrigation
- Reduced irrigation
- Limited irrigation

#### o Mixed shrub and flower beds

- ✓ Routine irrigation
- Reduced irrigation
- Limited irrigation
- Non-irrigated areas



#### o Lawn areas

- Routine irrigation
- Reduced irrigation
- Limited irrigation

#### • Mixed shrub and flower beds

- Routine irrigation
- Reduced irrigation
- Limited irrigation
- o Non-irrigated areas



## Hydrozone Bubble Drawings



## Hydrozones Bubble Drawings



## Hydrozones Bubble Drawings













## Creating practical turf and non-turf areas

Turf quality KBG at 100% ET									
							35		
)″	5″	10″	15″	20″	25″	30″			

Turf c	34	4″					
"Drou	ught tolera	nt″ KBG cu	ltivars at 75%	6 ET	26″		
Reduc	ced irrigati	on KBG and	l Tall Fescu	e at 80% ET	28″		
0″	5″	10″	15″	20″	25″	30″	3











Creating <u>practical</u> and <u>pleasing</u> outdoor living space

## Plant consideration lists based on hydrozones



## **Extension Fact Sheets**

- Deciduous shrubs, #7.415
- Evergreen shrubs, #7.414
- Evergreen trees, #7.403
- Hedges, #7.208
- Large deciduous trees for street and shade, #7.419
- Native shrubs for Colorado landscapes, #7.422
- Native trees for Colorado landscapes, #7.421
- Shrubs for mountain communities, #7.407
- Small deciduous trees for privacy and color, #7.418
- Trees for mountain communities, #7.408
- Xeriscaping trees and shrubs #7.229

## **Colorado's semi-arid climate**

### Suggested references

## ✓ Xeriscape Plant Guide

by Denver Water, Fulcrum Publishing



## www.xratedgardening.com



#### PUT SOME EXCITEMENT IN YOUR YARD!

A Guide To Xeriscape" Gardening



## **Colorado's semi-arid climate**

 On sites where landscape irrigation is not desirable or possible, focus on natural growth.











## Xeriscaping is NOT a rock pile.

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# Even xeric plants need rain and/or irrigation during establishment.

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Gardens with limited to no irrigation will thrive some years and decline other years.

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## **Create effective plant combinations by paring opposites**

## Paired opposites!

- Fine / Course
- Round / Upright
- Small / Large
- Short / Tall
- Thug / Dainty




























