

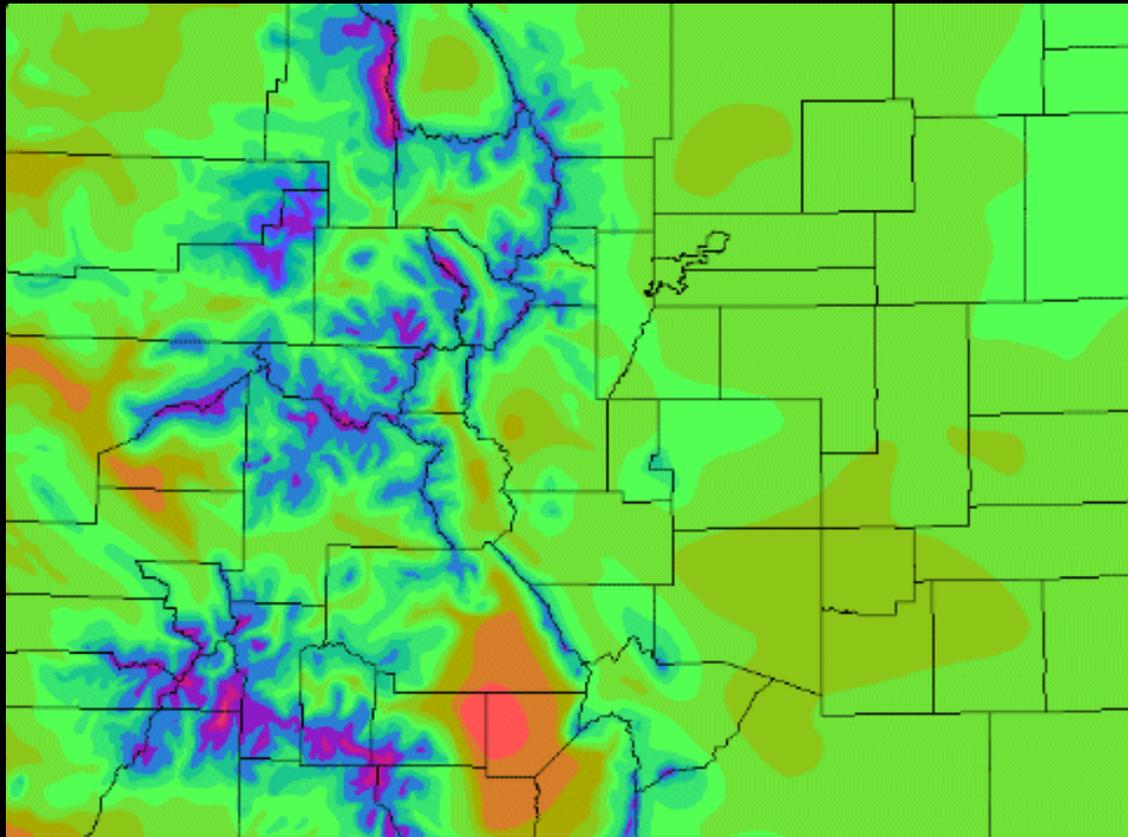
A photograph of a well-maintained garden. In the foreground, there's a concrete walkway on the right and a stone retaining wall made of large, light-colored rectangular blocks. The garden is filled with various plants: purple flowers (possibly Salvia) in the middle ground, green grasses (like Pennstemon) to the right, and yellow and orange flowers (like Gaillardia) in the lower foreground. The background shows more greenery and a wooden fence.

# Landscape Design for Waterwise Beauty

by Loretta Mannix  
The Horticulture Consultant

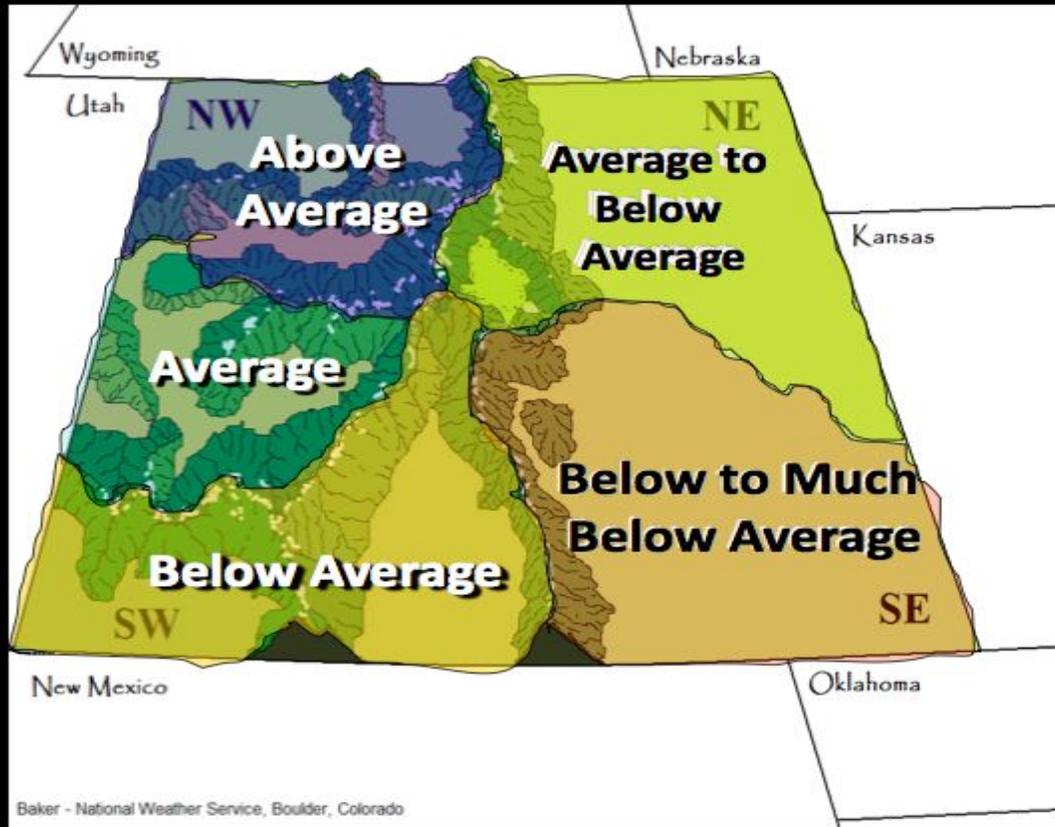
# COLORADO IS A DRY STATE

AVERAGE ANNUAL PRECIPITATION IS 17 INCHES, FORT COLLIN'S AVERAGE IS 15 INCHES



# COLORADO IS A DRY STATE

## THE EFFECTS OF STRENGTHENING LA NINA



# COLORADO IS A DRY STATE

THE EFFECTS OF GLOBAL WARMING?



# THE CHANCE OF DROUGHT

- DROUGHT = DEMAND OF WATER EXCEEDS SUPPLY
- COLORADO RECEIVES NEW WATER SUPPLIES FROM ONLY ONE SOURCE . . . PRECIPITATION
- ANY DAY WHEN IT DOESN'T RAIN OR SNOW COULD BE THE BEGINNING OF THE NEXT DROUGHT

# XERISCAPE OR ZEROSCAPE?

XERISCAPE - XERI = DRY AND SCAPE = VISTA

- NEVER INTENDED TO FOCUS ONLY ON NON-IRRIGATED LANDSCAPING
- HOW TO LANDSCAPE APPROPRIATELY IN DRY REGIONS AS A MEANS TO CONSERVE WATER
- SEVEN PRINCIPLES OF XERISCAPE

# XERISCAPE

- CREATE A COMPREHENSIVE LANDSCAPE PLAN (A ROAD MAP TO FOLLOW)
- CREATE PRACTICAL TURF AREAS
- ZONE THE LANDSCAPE PLANTING BEDS
- AMEND AND TILL THE SOIL
- USE MULCHS, ORGANIC IF POSSIBLE
- IRRIGATE EFFICIENTLY
- MAINTAIN THE LANDSCAPE APPROPRIATELY

# XERISCAPE

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# XERISCAPE OR ZEROSCAPE?

• XERISCAPE, PRONOUNCED ZIR'-I-SKAPE NOT ZE'-RO-SKAPE, IS NOT ...

< ROCKS AND CACTUS

< DULL COLORS

< COMPLETE ELIMINATION OF NON-NATIVE  
TURF

# ZEROSCAPE

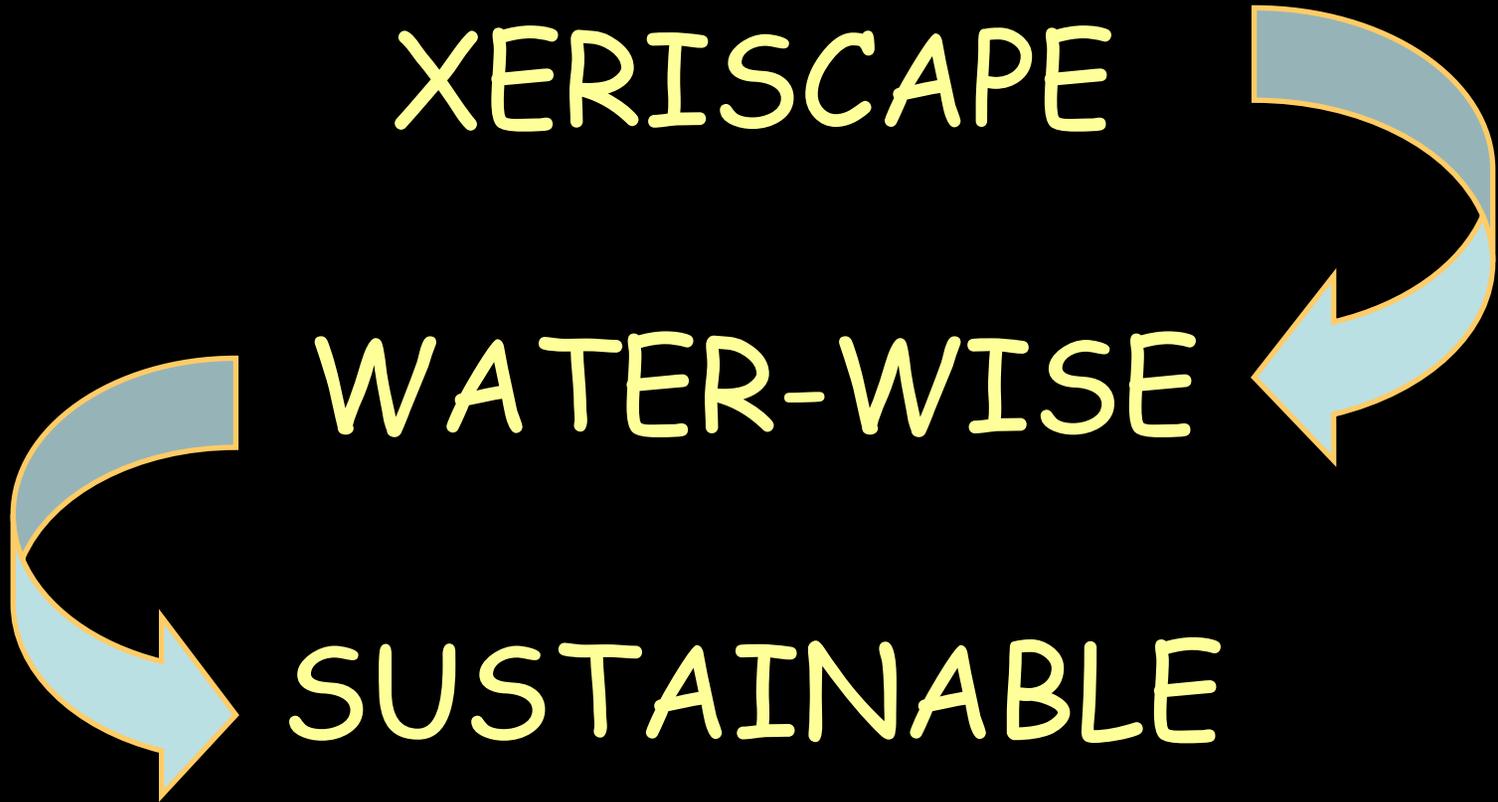
BUT HIGH WATER REQUIREMENT!!!



XERISCAPE

WATER-WISE

SUSTAINABLE



# SUSTAINABLE LANDSCAPE

- AN ATTRACTIVE ENVIRONMENT
- IN BALANCE WITH THE LOCAL CLIMATE
- REQUIRING MINIMAL RESOURCE INPUTS

# A SUSTAINABLE LANDSCAPE

BEGINS WITH AN APPROPRIATE  
DESIGN THAT INCLUDES AREAS  
THAT ARE:

- FUNCTIONAL
- COST EFFICIENT
- VISUALLY PLEASING
- ENVIRONMENTALLY FRIENDLY
- MAINTAINABLE

# A SUSTAINABLE LANDSCAPE

## QUESTIONS TO ANSWER FOR AN APPROPRIATE DESIGN TO OCCUR

- HOW IS THE SPACE USED
- WHAT IS THE BUDGET AND TIMELINE
- VISUALLY, WHAT LOOK IS DESIRED
- WHERE ARE INPUTS TOO HIGH
- HOW MUCH TIME FOR MAINTENANCE

# A SUSTAINABLE LANDSCAPE

## OTHER FACTORS PLAY INTO THE DESIGN PROCESS PLANNING

- LOT SIZE AND HOUSE SIZE
- LANDSCAPE COVENANTS AND HOA'S
- DEVELOPMENT OF A SITE PLAN, INVENTORY AND ANALYSIS, AND A DESIGN PROGRAM

# SITE PLAN, INVENTORY AND ANALYSIS

## IMPROVEMENT LOCATION CERTIFICATE OR IMPROVEMENT SURVEY PLAT

APR-02-98 03:39 PM RJL SURVEYS 226 3027 P.02

### IMPROVEMENT LOCATION CERTIFICATE

**PROPERTY DESCRIPTION:** Lot Three (3), Block One (1), HILLCREST ADDITION, to the City of Loveland, County of Larimer, State of Colorado

**SOURCE:** Security Title - FO22592A98 C-2

WEST 7TH STREET

Lender: Norwest Mortgage Borrower: Sanfilippo Title Co.: Security

I HEREBY CERTIFY THAT THIS IMPROVEMENT LOCATION CERTIFICATE WAS PREPARED FOR Norwest Mortgage THAT IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT, AND IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING, OR OTHER FUTURE IMPROVEMENT LINES.

I FURTHER CERTIFY THAT THE IMPROVEMENTS ON THE ABOVE DESCRIBED PARCEL, ON THIS DATE 3/31/98, EXCEPT UTILITY CONNECTIONS, ARE ENTIRELY WITHIN THE BOUNDARIES OF THE PARCEL, EXCEPT AS SHOWN, THAT THERE ARE NO ENCROACHMENTS UPON THE DESCRIBED PREMISES BY IMPROVEMENTS ON ANY ADJOINING PREMISES, EXCEPT AS NOTED, AND THAT THERE IS NO APPARENT EVIDENCE OR SIGN OF ANY EASEMENT CROSSING OR BURDENING ANY PART OF SAID PARCEL, EXCEPT AS NOTED.

ACCORDING TO U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT FLOOD INSURANCE RATE MAPS, THIS PROPERTY IS LOCATED IN THE FOLLOWING:

PANEL # 080103-0210-C DATE: 1-18-84 ZONE: C

BY Ruby J. Lewis **RJL SURVEYS**  
113 Camcron Drive, Suite B  
Fort Collins, Colorado 80525  
Tel: (970) 226-3007  
FAX: (970) 226-3027

DATE April 2, 1998

SCALE DATE DRAWN ADDRESS REVISED FILE NO

1" = 30'	4-2-98	<i>RJL</i>	1035 W. 7th Street, Loveland, CO		14.220
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APR 02 '98 15:47 226 3027 PAGE 02

# SITE PLAN, INVENTORY AND ANALYSIS

MEASURE AREA  
AND PLOT ON 10  
GRID PAPER



# SITE PLAN, INVENTORY AND ANALYSIS



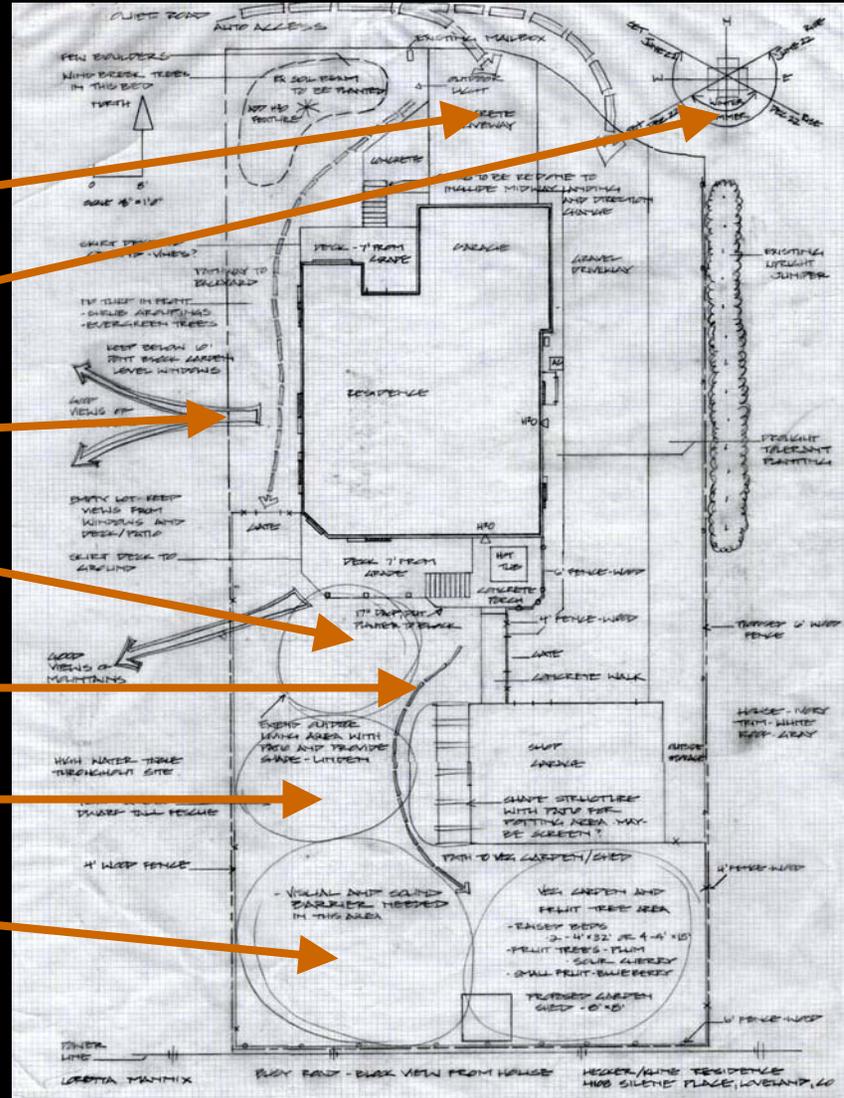
## TOOLS

- 10 GRID PAPER
- 35' TAPE
- 10 SCALE
- CIRCLE TEMP.
- RULER
- SQUARE



# SITE PLAN, INVENTORY AND ANALYSIS

- EX. HARDSCAPE
- DIRECTIONS
- VIEWS
- ADDED HARDSCAPE
- FOOT TRAFFIC
- TURF AREAS
- SCREENING





# DESIGN PROGRAM = WISH LIST

## Program

This design program for Ruth and Rick Hecker calls for casual entertainment spaces, a vegetable bed area with some seating. One area of turf in the back yard, and new plant material is to be somewhat drought tolerant, so that watering requirements for the landscape will be reduced. The front yard is to have no turf. Ruth and Rick intend to install much of this themselves, and to phase it over time, so the total budget is not critical.

### Goals

### Implementation

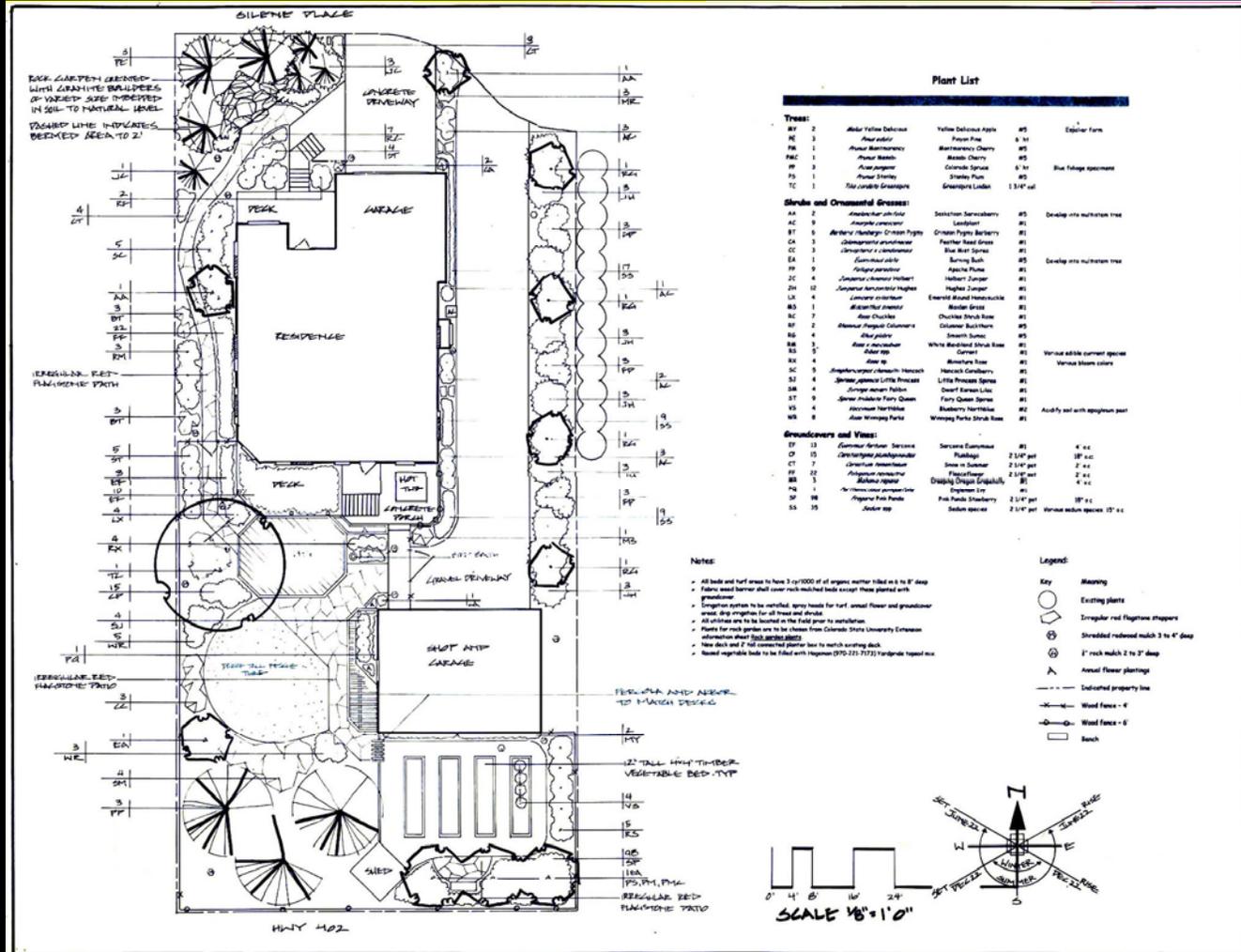
Entertainment	Deck - 230 sq/ft
Entertainment	Irregular buff flagstone patio - 350 sq/ft
Focal point	Focal point water feature in front yard
Vegetable bed	Four cedar timber raised beds - 96 sq/ft of bed space

- YOUR NEEDS AND WISHES
- CONCLUSIONS OF THE SITE ANALYSIS
- ELEMENTS TO BE INCLUDED IN PLAN
- CHECKLIST
- KEEPS EVERYONE ON THE SAME PAGE





# FINAL PLAN



**HECKER-KLINE RESIDENCE**  
 4108 SILENE PLACE  
 LOVELAND, COLORADO

DRAWN BY: THE HORTICULTURE CONSULTANT  
 LORRETTA MANTIX - (970)407-8695  
 JANUARY 2002

# SUSTAINABLE EXAMPLES BEFORE AND AFTER

- IDENTIFY WHAT INPUTS ARE CURRENTLY EXCESSIVE
- CAREFUL REVIEW OF THE SITE
- HOW IS THE SPACE USED
- WHAT ARE THE PLANT/ HARDSCAPE NEEDS

# SUSTAINABLE ENTRY

## MORTON RESIDENCE



- REDUCE TURF
- INCORPORATE BOTH PROPERTIES
- RETAIN PINE AND BRICK LANDING
- LOW WATER
- WINTER INTEREST

# SUSTAINABLE ENTRY

## MORTON RESIDENCE



- ADDED DRY STREAMBED
- COLORFUL PLANTINGS
- LOW WATER PLANTS
- RETAINED PINE AND DOGWOOD
- WINTER INTEREST

# SUSTAINABLE ENTRY

## PLANT SELECTIONS



### DOUBLE BUBBLEMINT

- ATTRACTS  
HUMMING BIRDS
- BUBBLEGUM  
SCENT
- MID SUMMER TO  
FALL BLOOM
- WELL DRAINED  
SOIL

# SUSTAINABLE ENTRY PLANT SELECTIONS



## SEA FOAM SAGE

- WIDE SPREADING  
GROUNDCOVER
- ATTRACTIVE  
GRAY FOLIAGE
- WINTER FOLIAGE  
INTEREST
- TOLERATES DRY,  
POOR SOILS

# SUSTAINABLE ENTRY PLANT SELECTIONS



## SEA FOAM SAGE

- WIDE SPREADING  
GROUNDCOVER
- ATTRACTIVE  
GREY FOLIAGE
- WINTER FOLIAGE  
INTEREST
- TOLERATES DRY,  
POOR SOILS

# SUSTAINABLE ENTRY

## PLANT SELECTIONS



### DARK KNIGHT BLUEMIST SPIREA

- DARK GRAY-  
GREEN FOLIAGE
- JULY - AUGUST  
FLOWERS
- WINTER  
INTEREST
- DROUGHT  
TOLERANT

# SUSTAINABLE ENTRY

## MORTON RESIDENCE



- ADDED DRY STREAMBED
- COLORFUL PLANTINGS
- LOW WATER PLANTS
- RETAINED PINE AND DOGWOOD
- WINTER INTEREST

# DRY STREAM BED FEATURE

## HOW TO CREATE



• MEANDER

• SWALE = DRAINAGE



# DRY STREAM BED FEATURE

## HOW TO CREATE



- CONNECTING BOULDERS

- VARIETY OF ROCK SIZES



# DRY STREAM BED FEATURE

## HOW TO CREATE



• \$12/ S.F.



• CONNECTING  
BOULDERS

# SUSTAINABLE INFERNO STRIP

## HULSBUS RESIDENCE

- REMOVE TURF
- INCORPORATE BOTH PROPERTIES
- RETAIN SPRUCE
- LOW WATER
- DRIVE SIGHT
- WINTER INTEREST



# SUSTAINABLE INFERNO STRIP

## HULSBUS RESIDENCE

- ADDED BERM AND BOULDERS
- COLORFUL PLANTINGS
- LOW WATER PLANTS
- DRIVE SIGHT
- SEASONAL INTEREST



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

## SUNSET HYSSOP

- ATTRACTS HUMMINGBIRDS
- ROOTBEER SCENT
- MID SUMMER TO FALL BLOOM
- WELL DRAINED SOIL



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

## PANCHITO MANANITA

- NATIVE  
BROADLEAF  
EVERGREEN
- CINNAMON-RED  
BARK
- APRIL - MAY  
BLOOM
- AVOID HEAVY  
SOILS



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

## PANCHITO MANANITA

- NATIVE  
BROADLEAF  
EVERGREEN
- CINNAMON-RED  
BARK
- APRIL - MAY  
BLOOM
- AVOID HEAVY  
SOILS



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

## THE BLUES LITTLE BLUESTEM

- NATIVE WARM SEASON GRASS
- SILVERY-BLUE FOLIAGE
- RUSSET FALL/WINTER COLOR
- DROUGHT TOLERANT



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

## THE BLUES LITTLE BLUESTEM

- NATIVE WARM SEASON GRASS
- SILVERY-BLUE FOLIAGE
- RUSSET FALL/WINTER COLOR
- DROUGHT TOLERANT



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

MERSEA YELLOW  
PINE LEAF  
PENSTEMON

- SHRUBBY  
PERENNIAL
- EARLY - MID  
SUMMER BLOOM
- NEEDLE-LIKE  
EVERGREEN  
FOLIAGE



# SUSTAINABLE INFERNO STRIP PLANT SELECTIONS

## SELECT BLUE CATMINT

- NON-SUCKERING
- NON-SEEDING
- ALL SEASON  
BLOOM
- BEE MAGNET
- LOW WATER



# SUSTAINABLE INFERNO STRIP

## HULSBUS RESIDENCE

- ADDED BERM AND BOULDERS
- COLORFUL PLANTINGS
- LOW WATER PLANTS
- DRIVE SIGHT
- SEASONAL INTEREST



# BERM/ BOULDERS FEATURE HOW TO CREATE



• JUST RIGHT

• TOO TALL



# BERM/ BOULDERS FEATURE HOW TO CREATE



• VARIED SIZE

• SAME GEOLOGY



# BERM/ BOULDERS FEATURE HOW TO CREATE



• CONNECTION

• EMBEDDED



# SUSTAINABLE ENTRY

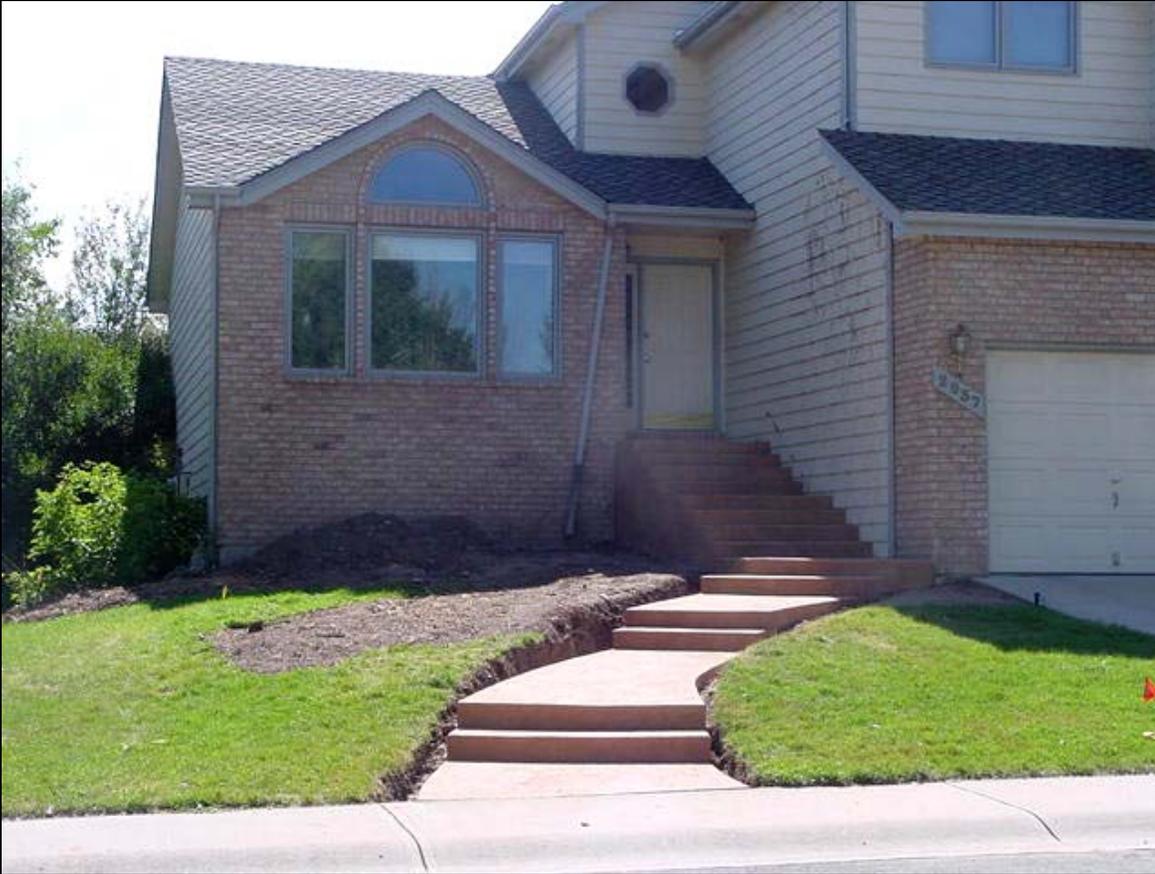
## CARLSON RESIDENCE



- REDUCE TURF
- SAFER STEPS FOR OUTDOORS
- TIE RESIDENCE TO LANDSCAPE
- ADD FRONT WALK TO THE STREET

# SUSTAINABLE ENTRY

## CARLSON RESIDENCE



- REDUCE TURF
- SAFER STEPS FOR OUTDOORS
- TIE RESIDENCE TO LANDSCAPE
- ADD FRONT WALK TO THE STREET

# SUSTAINABLE ENTRY

## CARLSON RESIDENCE



- REDUCED TURF
- SAFER STEPS FOR OUTDOORS
- TIE RESIDENCE TO LANDSCAPE WITH STONE TERRACE
- ADDED FRONT WALK TO THE STREET

# SUSTAINABLE ENTRY

## PLANT SELECTIONS



SHRUB ROSE  
SUNRISE SUNSET

- OWN ROOT
- EVERBLOOMING
- FUSCIA PINK/  
APRICOT YELLOW
- ROSE HIPS FOR  
WINTER  
INTEREST

# SUSTAINABLE ENTRY

## PLANT SELECTIONS



### ANGELINA SEDUM

- SUCCULENT  
GROUND COVER
- GROWN FOR  
FOLIAGE AFFECT
- FOLIAGE TURNS  
ORANGE IN  
WINTER
- DROUGHT  
TOLERANT

# SUSTAINABLE ENTRY PLANT SELECTIONS



## ANGELINA SEDUM

- SUCCULENT  
GROUND COVER
- GROWN FOR  
FOLIAGE AFFECT
- ORANGE TIPPED  
FOLIAGE IN  
WINTER
- DROUGHT  
TOLERANT

# SUSTAINABLE ENTRY PLANT SELECTIONS



## YELLOW GEM POTENTILLA

- GROUNDCOVER SHRUB
- LONG BLOOM PERIOD
- POTENTILLA IS NATIVE IN THE MONTANE ZONE

# SUSTAINABLE ENTRY PLANT SELECTIONS



## SLOWMOUND MUGO PINE

- DWARF PINE
- PROVIDES WINTER INTEREST
- DWARF = SMALL GROWTH INCREMENTS

# SUSTAINABLE ENTRY

## CARLSON RESIDENCE

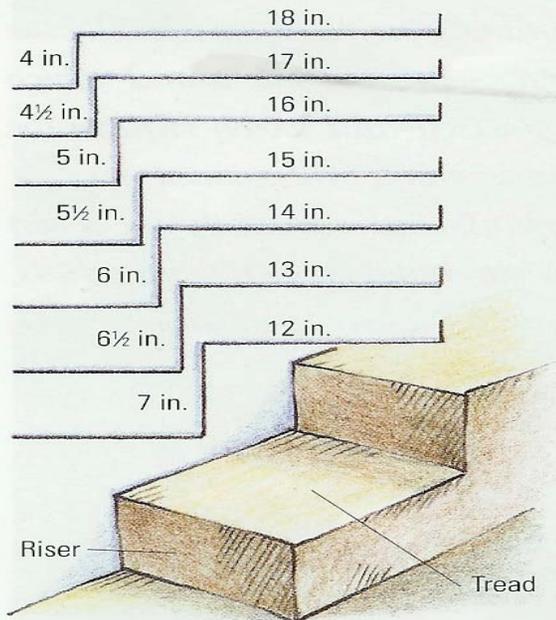


- REDUCED TURF
- SAFER STEPS FOR OUTDOORS
- TIE RESIDENCE TO LANDSCAPE WITH STONE TERRACE
- ADDED FRONT WALK TO THE STREET

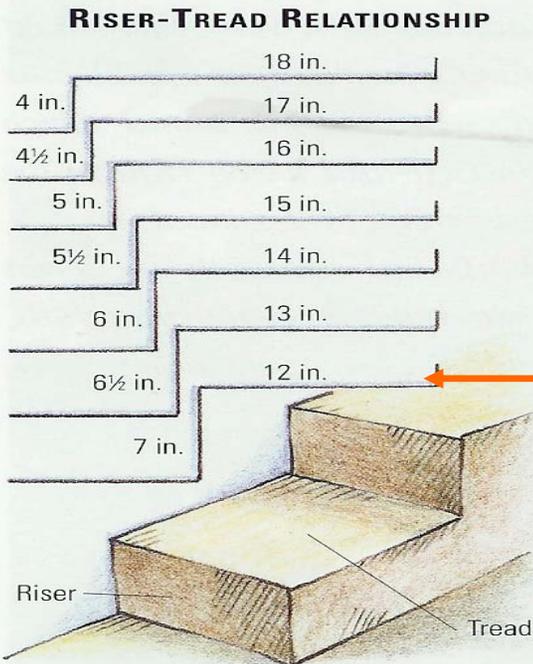
# STEPS IN THE LANDSCAPE

## HOW TO CREATE

### RISER-TREAD RELATIONSHIP



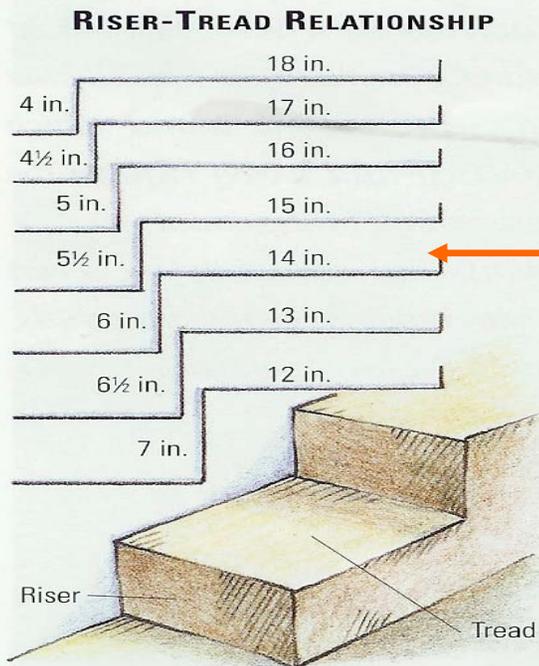
# STEPS IN THE LANDSCAPE HOW TO CREATE



INDOOR STEPS -

- HIGH RISE
- SHORT RUN

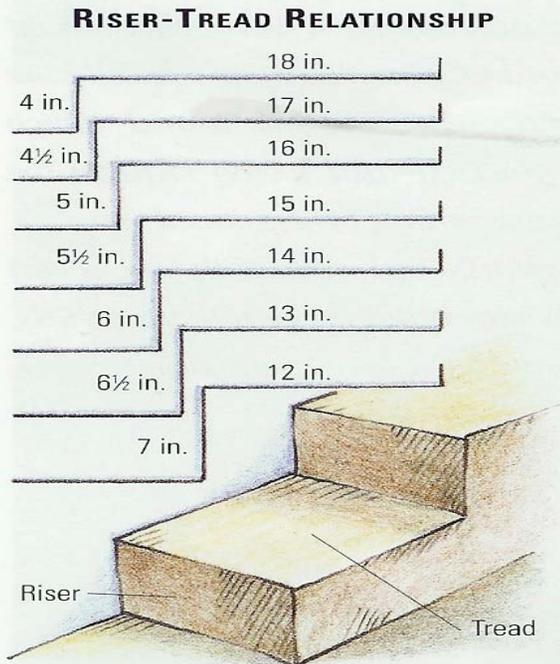
# STEPS IN THE LANDSCAPE HOW TO CREATE



OUTDOOR STEPS -

- LOWER RISE
- LONGER RUN
- LANDINGS

# STEPS IN THE LANDSCAPE HOW TO CREATE



## RISER

- NO LOWER THAN 4"
- NO HIGHER THAN 7"

$$2X \text{ RISER HEIGHT} + \text{DEPTH OF THE TREAD} = 26''$$

# STEPS IN THE LANDSCAPE

## HOW TO CREATE



- LOW RISE, LONG RUN AND LANDINGS

- HIGH RISE, SHORT RUN



# STEPS IN THE LANDSCAPE

## HOW TO CREATE



- STEPS AND BOULDERS

- SINGLE STEPS WITH LONG RAMPS



# SUSTAINABLE TERRACE ENTRY

## DAWDY RESIDENCE

- REDUCE TURF
- ADD STEPS TO SIDEWALK
- ADD SMALL PATIO
- TIE LANDSCAPE TO RESIDENCE



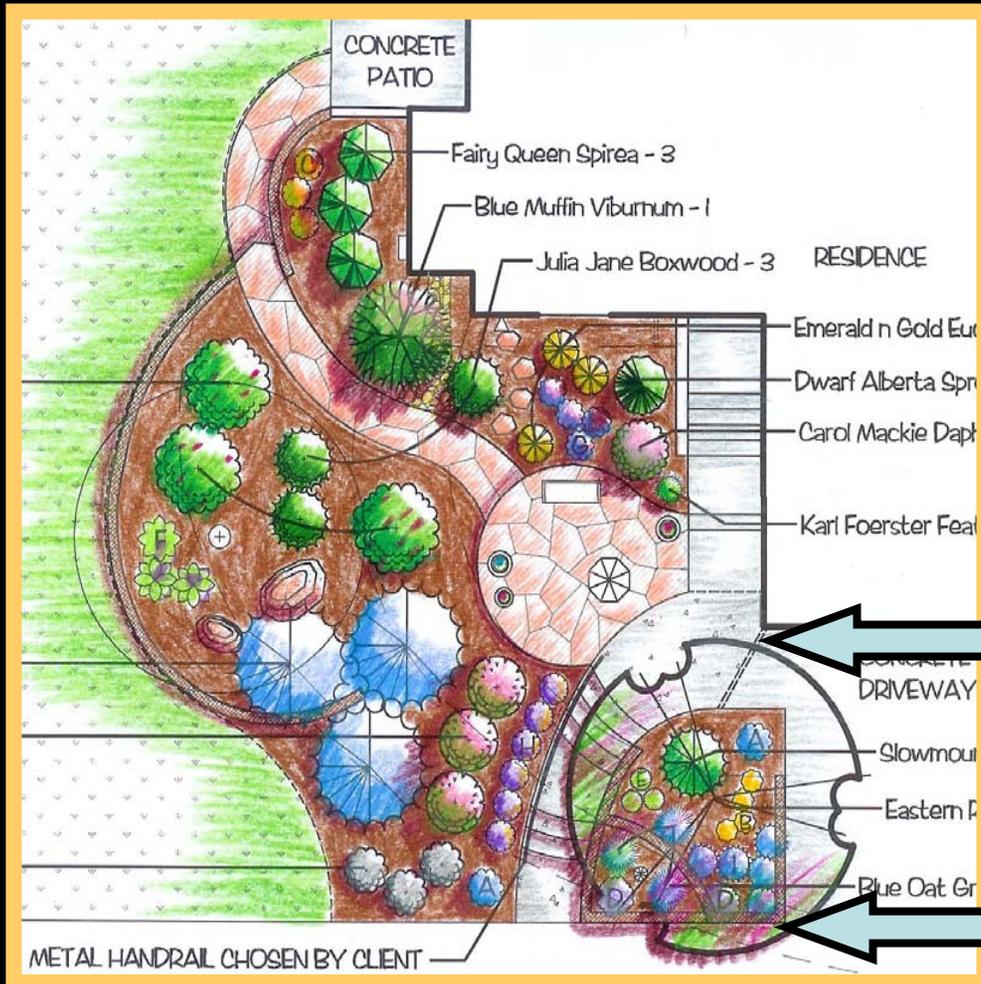
# SUSTAINABLE TERRACE ENTRY

## DAWDY RESIDENCE

- REDUCED TURF
- ADDED STEPS TO SIDEWALK
- ADDED SMALL PATIO
- STONE TERRACE TIES LANDSCAPE TO RESIDENCE



# SUSTAINABLE ENTRY DAWDY RESIDENCE

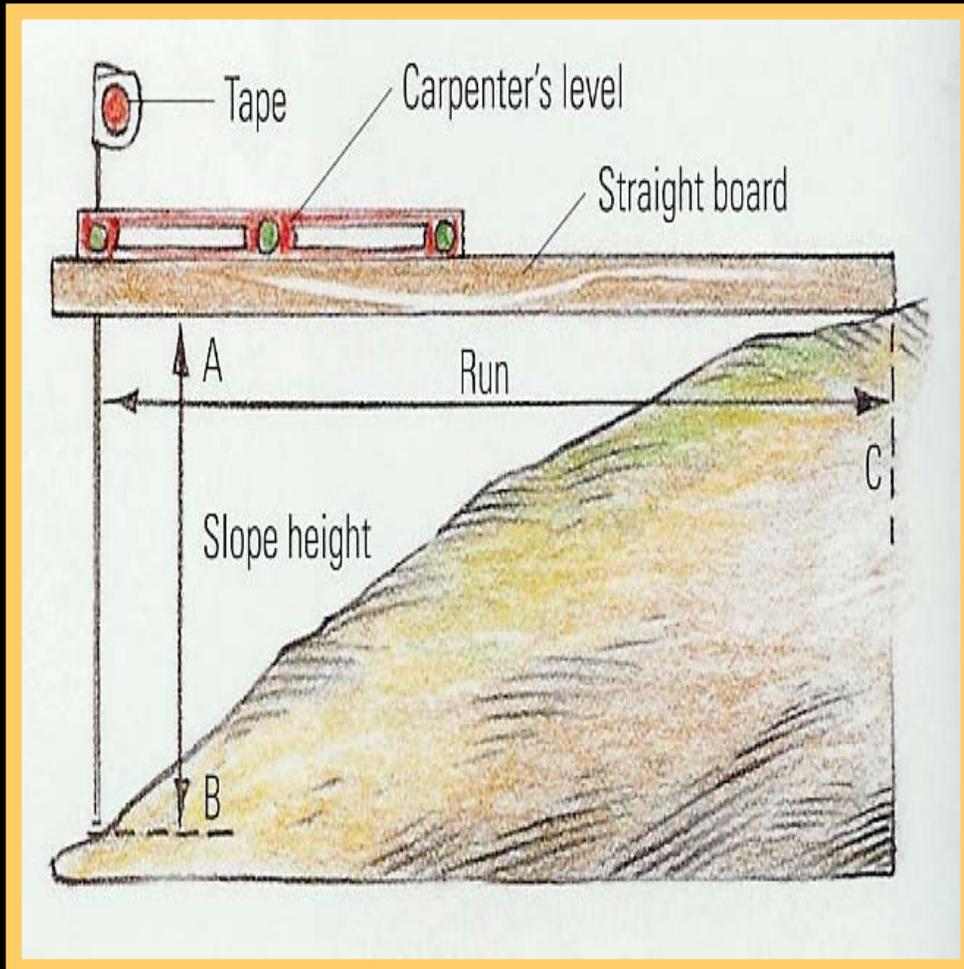


BETWEEN ARROWS

- CHANGE IN ELEVATION WAS 2'
- DISTANCE WAS 20'
- SLOPE WAS 10%

# TERRACE WALLS

## HOW TO CREATE



- WHAT IS THE ELEVATION CHANGE
- WHAT IS THE DISTANCE
- DIVIDE THE ELEVATION CHANGE BY THE DISTANCE
- THIS IS THE SLOPE

# TERRACE WALLS HOW TO CREATE



• OVERLAP JOINTS

• BUILD LEVEL



# TERRACE WALLS HOW TO CREATE

- MULTI LEVEL



- LOOSE LOOK OF RIPRAP

# TERRACE WALLS

## SQUARE FOOT WALL FACE PRICES



• MOSS ROCK - \$28 sf

• DRYSTACK FLAG - \$31 sf



# TERRACE WALLS

## SQUARE FOOT WALL FACE PRICES



• TIMBER - \$15 sf

• VERSA-LOK - \$25 sf



BREAK TIME

LETS TAKE A STRETCH!



BREAK TIME  
AND HAVE A SNACK!



# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



- REDUCE AND CHANGE TURF
- VERY LOW WATER PLANTS
- NATIVE HARDSCAPE USE FOR ALL SEASON INTEREST

# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



- BLUE GRAMA TURF
- LOW WATER PLANTS
- TERRACE BED TO CREATE BERM WITH BOULDERS

# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



- BLUE GRAMA TURF
- LOW WATER PLANTS
- TERRACE BED TO CREATE BERM WITH BOULDERS
- CREATES A SEATING WALL

# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



### HIDECOTE LAVENDER

- GRAY GREEN FOLIAGE
- WOODY PERENNIAL
- GOOD WINTER STRUCTURE
- GOOD DRAINAGE

# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



GOBLIN  
GAILLARDIA

- COMPACT CLUMP
- MID-SUMMER BLOOM
- LOW WATER

# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



### CRYSTAL RIVER VERONICA

- EVERGREEN  
GROUNDCOVER
- SPRING BLOOM
- LOW WATER
- HYBRID  
BETWEEN  
TURKISH AND  
WOOLLY  
VERONICA

# SUSTAINABLE ENTRY

## HAYS/SMITH RESIDENCE



- BLUE GRAMA TURF
- LOW WATER PLANTS
- TERRACE BED TO CREATE BERM WITH BOULDERS
- WINTER HARDSCAPE INTEREST

# NATIVE HARDSCAPE MATERIALS

## GOOD COMBINATIONS



- CHEROKEE BOULDER



- BUFF FLAGSTONE  
STRIPSTONE

# NATIVE HARDSCAPE MATERIALS

## GOOD COMBINATIONS



- WATERMARK BUFF -  
ASHLAR PATTERN

- CHEROKEE BOULDER



# SUSTAINABLE PATIO/ FIREPIT HOUSKA RESIDENCE

- CHEROKEE BOULDERS IN THE BED IN BACKGROUND
- WATERMARK ASHLAR PATTERN
- BROWNSTONE OR BUFF STRIP STONE FIREPIT
- BROWNSTONE VENEER STONE



# NATIVE HARDSCAPE MATERIALS

## GOOD COMBINATIONS



- GRANITE MOSS ROCK AND RED FLAGSTONE



- CLOSEUP OF GRANITE MOSS ROCK

# NATIVE HARDSCAPE MATERIALS

## GOOD COMBINATIONS



- RED FLAGSTONE/ GRAY BREEZE

- GRANITE MOSS ROCK AND RED FLAGSTONE



# NATIVE HARDSCAPE MATERIALS

## GOOD COMBINATIONS



- RED SANDSTONE MOSS ROCK



- RED FLAGSTONE STRIPSTONE

# NATIVE HARDSCAPE MATERIALS

## GOOD COMBINATIONS



- RED FLAGSTONE AND RED FLASH BRICKS

- CHEROKEE AND VERSA-LOK RETAINING WALL



# SUSTAINABLE ENTRY

## MANTER RESIDENCE



- REDUCE TURF
- REMOVE JUNIPERS
- ADD RAISED BEDS AND FRONT WALK
- USE HARDSCAPE MATERIALS TO TIE INTO RESIDENCE

# SUSTAINABLE ENTRY

## MANTER RESIDENCE



- REDUCED TURF
- COLORFUL PLANTING
- ADDED RAISED BEDS AND FRONT WALK
- USE BRICK FOR PATH, RED STRIPSTONE FOR RAISED BED

# SUSTAINABLE ENTRY

## JOHNESE RESIDENCE

- REDUCE TURF
- ADD FRONT WALK TO SIDEWALK
- ADD BEDS AND PLANTINGS
- INCORPORATE EXISTING TREE



# SUSTAINABLE ENTRY

## JOHNESE RESIDENCE

- REDUCED TURF
- ADDED BRICK EDGED /IRREG BUFF FLAGSTONE FRONT WALK
- ADDED BEDS AND PLANTINGS CONNECTING TO EXISTING TREE



# SUSTAINABLE PATIO/ PERGOLA JOHNESE RESIDENCE

- GIVE PLAIN CONCRETE PATIO A FACELIFT
- ADD OVERHEAD STRUCTURE
- REDUCE TURF AGAINST PATIO



# SUSTAINABLE PATIO/ PERGOLA JOHNESE RESIDENCE

- MORTARED BUFF FLAGSTONE EDGED WITH BRICK
- CEDAR PERGOLA WITH BRICK COLUMNS
- PLANTING BEDS AGAINST PATIO



# SUSTAINABLE PATIO/ PERGOLA JOHNESE RESIDENCE

- MORTARED  
BUFF FLAGSTONE  
EDGED WITH  
BRICK
- CEDAR PERGOLA  
WITH BRICK  
COLUMNS
- PLANTING BEDS  
AGAINST PATIO



# PATIO SQUARE FOOT PRICES

## CONCRETE



• COLOR CONCRETE - \$7 sf

• GRAY CONCRETE - \$5 sf



# PATIO SQUARE FOOT PRICES

## CONCRETE



- BRICK EDGE, FLAGSTONE FACE - \$25 sf

- COLORED, STAMPED CONCRETE - \$12 sf



# PATIO SQUARE FOOT PRICES

## IRREGULAR FLAGSTONE



• RED FLAGSTONE - \$13 sf



• BUFF FLAGSTONE - \$14 sf

# PATIO SQUARE FOOT PRICES

## DIMENSIONAL FLAGSTONE



- WATERMARK BUFF  
DIMENSIONAL CUT  
STONE

- ASHLAR PATTERN - \$22 sf



# PATIO SQUARE FOOT PRICES

## DRYLaid PAVERS



• BRICK PAVERS - \$12 sf

• PAVESTONE - \$16 sf



# SUSTAINABLE PATIO IDEA FLAGSTONE AND CHIP



- CENTER OF PATIO IS ROCK CHIP
- CONTAINMENT EDGE FLAGSTONE
- STRONG CIRCULAR SHAPE AND COLOR CONTRAST
- \$3 SF FOR CHIP AREA

# SUSTAINABLE PATIO/ BED

## PATTON RESIDENCE

- REDUCE TURF
- ADD PATIO SPACE TO GO WITH COLOR CONCRETE
- ADD RAISED BED TO TIE INTO EXISTING BED
- NOT LOOK UNPLANNED

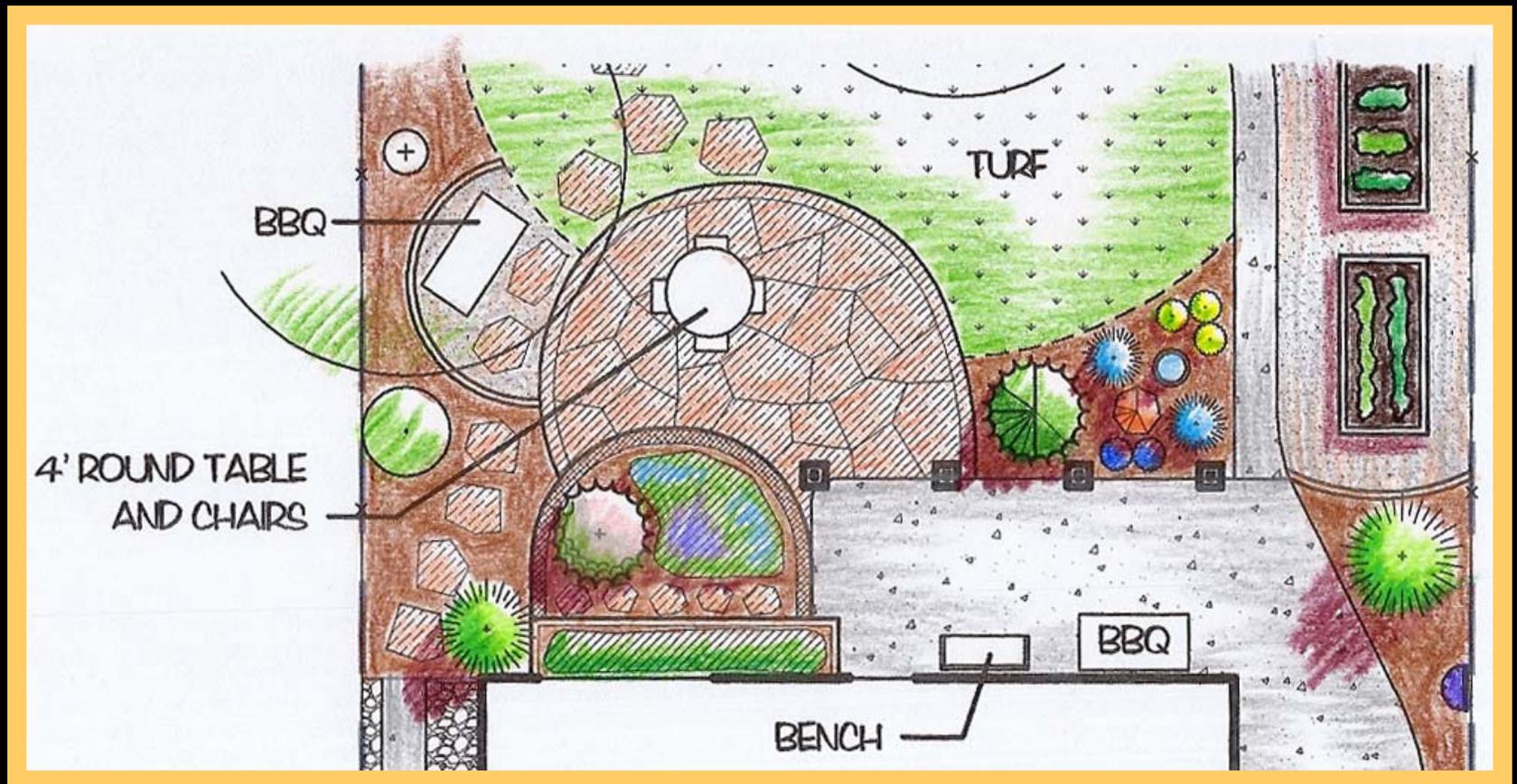


# SUSTAINABLE PATIO/ BED PATTON RESIDENCE

- REDUCED TURF
- NEW BED AND PATIO TIE INTO EXISTING RAISED BED
- DOES NOT LOOK UNPLANNED



# SUSTAINABLE PATIO/ BED PATTON RESIDENCE



# SUSTAINABLE DECK AND PATIO

## GOULD RESIDENCE



- REDUCE TURF
- ADD DECK FOR ENTERTAINMENT AREA
- CONNECT TO THE INTERIOR
- TREE BECOMES FOCAL POINT

# SUSTAINABLE DECK AND PATIO GOULD RESIDENCE



- REDUCED TURF
- ADDED DECK AND PATIO ENTERTAINMENT AREA
- CONNECTED TO THE INTERIOR
- TREE AND SWING BECOME FOCAL POINT

# SUSTAINABLE SLOPE LUKES/ HELMS RESIDENCE

- REDUCE TURF ON SLOPE
- ADD INTEREST TO THE FRONT ENTRY
- TIE AREAS TOGETHER



# SUSTAINABLE SLOPE LUKES/ HELMS RESIDENCE

- ELIMINATED TURF ON SLOPE
- HARDSCAPE AND PLANT INTEREST
- TIED TOGETHER WITH ONE BED AREA



# SUSTAINABLE SLOPE LUKES/ HELMS RESIDENCE

- ELIMINATED  
TURF ON SLOPE
- HARDSCAPE  
AND PLANT  
INTEREST
- TIED TOGETHER  
WITH ONE BED  
AREA
- A YEAR LATER



# SUSTAINABLE SLOPE PLANT SELECTIONS

## RED MEIDILAND SHRUB ROSE

- OWN ROOT
- GROUNDCOVER  
SHRUB ROSE
- EVERBLOOMING
- ROSE HIPS  
PROVIDE WINTER  
INTEREST



# SUSTAINABLE SLOPE PLANT SELECTIONS

## PURPLE DOME FALL ASTER

- ATTRACTS BUTTERFLIES
- LATE SUMMER - FALL BLOOM
- MODERATE WATER NEEDS
- WELL DRAINED SOIL



# SUSTAINABLE SLOPE PLANT SELECTIONS

## HARDY YELLOW ICE PLANT

- SUCCULENT  
GROUNDCOVER
- EARLY - MID  
SUMMER BLOOM
- PURPLE  
WINTER COLOR
- LOW WATER



# SUSTAINABLE SLOPE PLANT SELECTIONS

## BLUE FESCUE

- COOL SEASON  
ORNAMENTAL  
BUNCH GRASS
- MODERATE  
WATER NEEDS
- RESEEDS



# SUSTAINABLE SLOPE FLEMING RESIDENCE



- ELIMINATE TURF
- CREATE VISUAL INTEREST
- ADD PATH TO REMODELED FRONT OF HOME
- REDUCE WATER NEEDS

# SUSTAINABLE SLOPE FLEMING RESIDENCE



- ELIMINATED TURF
- BOULDERS AND PLANTS FOR INTEREST
- ADDED PATH TO REMODELED FRONT OF HOME
- REDUCED WATER NEEDS

# SUSTAINABLE SLOPE FLEMING RESIDENCE



- ELIMINATED TURF
- BOULDERS AND PLANTS FOR INTEREST
- ADDED PATH TO REMODELED FRONT OF HOME
- REDUCED WATER NEEDS

# SUSTAINABLE SLOPE TO TERRACE

## JEFFERSON RESIDENCE

- GARAGE IS MUCH HIGHER THAN HOUSE
- LEVEL TURF, BED, AND PATIO AREAS DESIRED
- ATTRACTIVE AND FUNCTIONAL



# SUSTAINABLE SLOPE TO TERRACE

## JEFFERSON RESIDENCE

- THREE LEVELS ARE CREATED
- GARAGE DOOR, WALK TO ALLEY, BEDS
- TURF AREA AND BEDS
- PATIO AND BEDS



# SUSTAINABLE SLOPE TO TERRACE PLANT SELECTIONS

## FAIRY QUEEN SPIREA

- FOUNTAIN-LIKE  
DWARF HABIT
- SPRING BLOOM
- DEEP PLUM FALL  
COLOR



# SUSTAINABLE SLOPE TO TERRACE PLANT SELECTIONS

## FIREWITCH DIANTHUS

- NEEDLE-LIKE  
EVERGREEN  
FOLIAGE
- LATE SPRING  
BLOOM
- SPICY CLOVE-  
LIKE FRAGRANCE



# SUSTAINABLE SLOPE TO TERRACE PLANT SELECTIONS

## MAGIC CARPET SPIREA

- GROUNDCOVER  
SHRUB
- PINK SUMMER  
BLOOM
- FINE WINTER  
TEXTURE



# XERISCAPE

- CREATE A COMPREHENSIVE LANDSCAPE PLAN (A ROAD MAP TO FOLLOW)
- CREATE PRACTICAL TURF AREAS
- ZONE THE LANDSCAPE PLANTING BEDS
- AMEND AND TILL THE SOIL
- USE MULCHS, ORGANIC IF POSSIBLE
- IRRIGATE EFFICIENTLY
- MAINTAIN THE LANDSCAPE APPROPRIATELY

# USE MULCHES - ORGANIC IF POSSIBLE

ORGANIC MULCH, WEED BARRIER CLOTH  
AND WIND...



USE MULCHES - ORGANIC IF  
POSSIBLE

ROCK AND WEED BARRIER CLOTH



# USE MULCHES - ORGANIC IF POSSIBLE

SHREDDED REDWOOD NO WEED BARRIER CLOTH



# USE MULCHES - ORGANIC IF POSSIBLE

## ROCK MULCH VS ORGANIC MULCH



# USE MULCHES - ORGANIC IF POSSIBLE

## ROCK MULCH VS ORGANIC MULCH



# USE MULCHES - ORGANIC IF POSSIBLE

## ROCK MULCH VS ORGANIC MULCH



# USE MULCHES - ORGANIC IF POSSIBLE

## ROCK MULCH VS ORGANIC MULCH



# USE MULCHES - ORGANIC IF POSSIBLE

## ROCK MULCH VS ORGANIC MULCH



# MAINTAIN THE LANDSCAPE PRUNING



# MAINTAIN THE LANDSCAPE LEAF CLEANUP



# MAINTAIN THE LANDSCAPE PLANT QUANTITY AND CARE



MAINTAIN THE LANDSCAPE  
HMMM..DON'T LET THIS HAPPEN TO YOU!



# MAINTAIN THE LANDSCAPE OR THIS...THE OPPOSITE EXTREME



# MAINTAIN THE LANDSCAPE OR THIS...THE OPPOSITE EXTREME



MAINTAIN THE LANDSCAPE  
...IT WILL EVENTUALLY LEAD TO THIS



# MAINTAIN THE LANDSCAPE CONSIDER OTHER OPTIONS



# MAINTAIN THE LANDSCAPE CONSIDER OTHER OPTIONS



# MAINTAIN THE LANDSCAPE CONSIDER OTHER OPTIONS



Questions?

