

**WATER EFFICIENT LANDSCAPE STATEMENT**

The irrigation system shall be designed to meet current water efficient standards and State Water Efficient Ordinance AB 1881 as required by local jurisdictions while achieving the goal of effectively providing the landscape with water by the means of high efficiency spray irrigation to the turf and ground cover areas and drip irrigation/bubblers to restrict shrub planting and shrub mass planting area as applicable.

Irrigation systems shall be designed to accommodate recycled water where available either currently or in the future as directed by the Local Water Purveyor. Recycled water systems shall be designed in accordance with Local and State codes.

Irrigation systems for landscapes greater than 5,000 SF shall have a dedicated water meter for irrigation.

A water efficient landscape work sheet shall be included with hydrozone information table, water budget calculations and irrigation operating schedules.

A state of the art ET based self-adjusting irrigation controller shall be specified for this project to automatically control the water allocated to each valve grouped per individual hydrozone (based on plant type and exposure). This shall include rain and flow sensors as applicable for a higher level of water conservation.

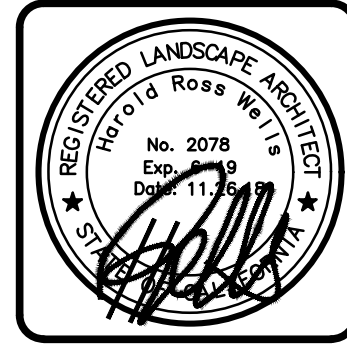
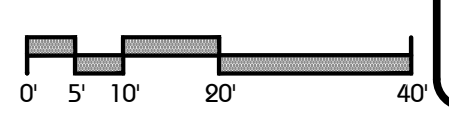
Tree bubblers shall be included on separate circuits to isolate the irrigation to trees and provide deep watering to promote a deeper root zone.

Spray irrigation systems for ground cover areas greater than 8' wide in any direction shall be designed with commercial series spray heads with high efficiency nozzles that include internal check valves and pressure compensating devices. The heads shall be designed in a head to head layout to achieve an even level of precipitation throughout the irrigation system. The nozzles will deliver water at a minimum of 70% efficiency with a low precipitation rate that matches the infiltration rate of the soil.

The drip irrigation system will incorporate pressure compensating drip bubblers with 1/4" drip tubes to each plant which delivers water at 90% efficiency at an application rate that matches the soil type.



8' W/W Mesh Fence Typ.



Plot Date: 8/10/18  
File Name: Santa Rosa\_Landscape.dwg

# Planting Legend

	24" & 36" Box	Water Use
<b>CANOPY TREE (Selection Options):</b> Pistacia chinensis Quercus agrifolia	CHINESE PISTACHE COAST LIVE OAK	Low Low
<b>Verticle Tree:</b> Acer p. 'Colunare'	NCN	Moderate
<b>SMALL ACCENT TREE (Selection Options):</b> Cercis candensis Pyrus c. 'Chanticleer'	EASTEN REDBUD CHANTICLEER PEAR	Low
<b>LARGE SHRUB (Selection Options):</b> Arbutus unedo Arctostaphylos spp. Ceanothus 'Dark Star' Lavatera assurgentiflora Rhus ovata Rhamnus californicum	15-Gal STRAWBERRY TREE MANZANITA WILD LILAC TREE MALLOW SUGAR BUSH COFFEEBERRY	Low Low Low Moderate Low Low
<b>MEDIUM SHRUB (Selection Options):</b> Berberis t. 'Atropurpurea' Callistemon v. 'Little John' Diets iridioides Lavandula spp. Phormium t. 'Bronze Baby' Pittosporum spp. Raphiolepis umbellata Salvia leucantha Teucrium fruticans	5-Gal BARBERRY BOTTLEBRUSH FORTNIGHT LILY LAVENDER DWARF NEW ZEALAND FLAX PITTIOSPORUM INDIA HAWTHORN MEXICAN SAGE BUSH GERMANDER	Moderate Low Low Low Low Moderate Low Low Low
<b>SUB SHRUB (Selection Options):</b> Hemerocallis Scaevola 'Mauve Clusters' Lavandula a. 'Blue cushion' Teucrium chamaedrus	1-Gal DAY LILY SCAEVOLA LAVANDER GERMANDER	Moderate Low Low Low
<b>GROUND COVER (Selection Options):</b> Erigeron karvinskianus	1-Gal & Liners MEXICAN DAISY	Low
Carex pansa	CALIFORNIA MEADOW SEDGE	Low
Baccharis p. 'Pigeon Point' Lippia nodiflora	COYOTE BUSH KURAPIA (Sod)	Low Low

## Notes

- All landscape and irrigation shall conform to the standards of the City and State wide landscape regulations and guidelines and all other Landscape related City and Regional standards.
- All plant materials have been selected in accordance with:
  - + WULCOS Project "Water-Use Classification of Landscape Species" California Department of Water Resources

## TREE MITIGATION MEASURES CHART

The sum of the diameter of all native trees = 711 inches 60 of these trees are Heritage trees  
689 inches/6 inches = 114.8 inches \* 2 = 230 15-gallon trees or 37 - 36" Box and 15 - 24" Box Trees

TREE REPLACEMENTS	24" Box	36" BOX
	Quercus Agrifolia	0
Pistacia chinensis	0	3
Acer p. 'Columnare'	6	6
Cercis candensis	0	6
Pyrus c. 'Chanticleer'	15	0
<b>TOTAL</b>	<b>21</b>	<b>38</b>

