

## GENERAL NOTES

1. A soils fertility analysis report and recommendations by a certified soils analysis laboratory shall be completed prior to construction. Soil samples shall be collected after site rough grading has been completed.
2. All landscape planting areas, except bio-retention areas, shall receive a minimum 3" layer of organic wood chip mulch top dressing. "Gorilla Hair" / Shredded bark is not an acceptable mulch. No mulch shall be used in bio-retention areas. See civil plans for soil mix / profile specifications.
3. All trees, shrubs and groundcover shall be irrigated with a drip system, smart controller, weather sensor, etc. and shall meet City of Roseville Water Efficient standards/regulations.
4. All new trees located within 7' of pavement or permanent structure shall have a root barrier.
5. All existing trees and associated root systems (to remain) shall be protected in place during construction.

## COMPLIANCE STATEMENT

I have complied with the criteria of the water use ordinance and applied them accordingly for the efficient use of water in the landscape design plan.

*Rodney L. Scococosi* 5-11-24

## PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	WUCOLS	HEIGHT/WIDTH
<b>TREES</b>					
	4	Arbutus x 'Marina' / Marina Strawberry Tree Standard Evergreen	24" box	Low	30' Hx 30' W
	1	Lagerstroemia indica 'Red' / Red Crape Myrtle	15 gal.	Low	20' Hx 20' W
	6	Nyssa sylvatica / Tupelo deciduous	15 gal.	Moderate	40' Hx 30' W
	4	Rhaphiolepis x 'Montic' / Majestic Beauty® Indian Hawthorn Evergreen	24" box	Low	20' Hx 15' W
	4	Ulmus parvifolia 'Drake' / Drake Lacebark Elm Semi-evergreen	15 gal.	Moderate	50' Hx 35' W

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	WUCOLS	MATURE SIZE (H X W)
<b>SHRUBS</b>					
	12	Agave americana 'Marginata' / Variegated Century Plant	5 gal.	Low	5' H x 6' W
	156	Callistemon viminalis 'Little John' / Little John Weeping Bottlebrush	5 gal.	Low	3' H x 3.25' W
	125	Dianella revoluta 'DR5000' / Little Rev™ Flax Lily	5 gal.	Low	2' H x 2' W
	107	Nandina domestica 'Lemon-Lime' / Lemon-Lime Heavenly Bamboo	5 gal.	Low	3.5' H x 3.5' W
	37	Pennisetum setaceum / Fountain Grass	5 gal.	Low	3' H x 3' W
	37	Phormium tenax 'Dark Delight' / Dark Delight Flax	5 gal.	Low	4' H x 4' W
	31	Phormium tenax 'Firebird' / Fire Bird Flax	5 gal.	Low	6' H x 4' W
	30	Rhaphiolepis umbellata 'Minor' / Dwarf Yedda Hawthorn	5 gal.	Low	4' H x 4' W
	41	Salvia greggii 'Furmans Red' / Furman's Red Autumn Sage	5 gal.	Low	3.5' H x 4' W
	50	Westringia fruticosa 'Morning Light' / Morning Light Coast Rosemary	5 gal.	Low	3.5' H x 4' W
	74	Yucca x 'Bright Star' / Variegated Spanish Dagger	5 gal.	Low	3' H x 3' W

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	WUCOLS	SPACING
<b>VINES/ESPALLIERS</b>					
	15	Macfadyena unguis-cati / Cat's Claw Creeper	5 gal.	Low	
<b>GROUND COVERS</b>					
	12	Grevillea lanigera 'Coastal Gem' / Coastal Gem Grevillea	1 gal.	Low	60" o.c.
	83	Rosa x 'Meisenteil' TM / Lemon Drift Rose	1 gal.	Low	36" o.c.
	81	Teucrium chamaedrys 'Nanum' / Creeping Germander	1 gal.	Low	36" o.c.

### Water Efficient Landscape Worksheet

HYDROZONE/PLANTING DESCRIPTION	PLANT FACTOR (PF)	IRRIG. METHOD	IRRIG. EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (Sq. Ft.)	ETAF x AREA	ESTIMATED TOTAL WATER USE (ETWU)
<b>REGULAR LANDSCAPE AREA</b>							
SHRUBS-LOW	0.3	DRIP	0.81	0.37	12,334	4,568	143029
TREES-MODERATE	0.5	BUBBLERS	0.81	0.62	360	222	6958
<b>TOTALS</b>					<b>12,694</b>	<b>4,790</b>	<b>149986</b>

### ETAF Calculations

Total ETAF x Area	4,790
Total Area	12,694
Average ETAF	38%

Note:  
1. Average ETAF for Regular Landscape areas must be below .55 for residential areas and .45 for non-residential areas.

Maximum Applied Water Allowance (MAWA). MAWA = (ETa) (Conversion factor) ((ETAF)(Landscape Area)) + ((1-ETAF) x SLA)  
(50.5) (.42) (.45 x 12,694) + ((1-.45) x 0) = 178852 Gal.

Estimated Total Water use (ETWU). ETWU = (ETa) (Conversion factor) ((ETAF) (Area))  
(50.5) (.42) (4,790) = 149986 Gal.

### PARKING LOT SHADE CALCULATIONS

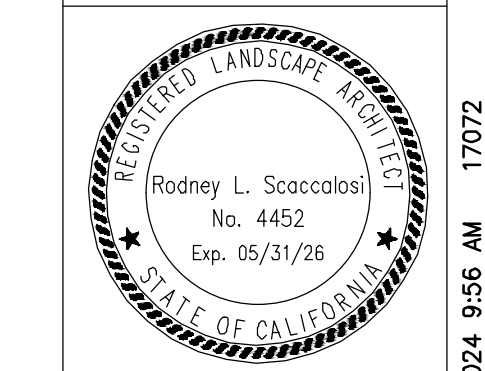
Symbol	Botanical Name/ Common Name	Qty. @ full shade (Sq. Ft.)	Qty. @ 3/4 Shade (Sq. Ft.)	Qty. @ 1/2 shade (Sq. Ft.)	Qty. @ 1/4 shade (Sq. Ft.)	Total (Sq. Ft.)
	Canopy structures	NA	NA	NA	NA	2,697 SF
	Parking Lot Shade Tree <sub>20</sub>	0 @ 314 SF	1 @ 236 SF	0 @ 157 SF	0 @ 79 SF	236 SF
	Parking Lot Shade Tree <sub>30</sub>	0 @ 706 SF	0 @ 530 SF	1 @ 354 SF	0 @ 177 SF	354 SF
	Parking Lot Shade Tree <sub>35</sub>	0 @ 962 SF	1 @ 722 SF	0 @ 481 SF	1 @ 240 SF	722 SF
<b>TOTAL TREE SHADE 4,009 SF</b>						
Paved Area (see hatched area on plan) <b>PARKING AREA = 7,820 SF</b>						
<b>50% SHADE AREA REQUIRED = 3,910 SF</b>						
<b>TOTAL SHADE PROVIDED = 4,009 SF</b>						
<b>PERCENT SHADE = 51.2 %</b>						



Revision  
Appr.  
By  
Date  
No.

Title:  
**PRELIMINARY LANDSCAPE PLAN  
QUICK QUACK CAR WASH NO. 26-651  
300 NORTH SUNRISE AVE.  
ROSEVILLE, CALIFORNIA**

For:  
**QUICK QUACK CAR WASH  
6020 WEST OAKS BLVD SUITE 300  
ROCKLIN, CA 95765**



Scale:  
Horizontal 1" = 16'  
Vertical N/A

Designed  
Drawn  
Checked  
Approved  
Date 5/10/24

**Barghausen Consulting Engineers, Inc.**  
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Job Number  
**23359**

Sheet  
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