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Criteria	Existing Water Efficient Landscape Requirements	Proposed Water Efficient Landscape Ordinance	
Applicability Applies to new and rehabilitated landscaping for industrial, commercial, office, institutional, multi-family, model homes, developer-installed landscaping for single family residences, and developer and City installed landscaping maintained by the City.		No change, but additional requirements for developer-installed single family landscaping over 2,500 square feet.	
Submittal Criteria Planting Plan:	 Clearly identify Landscape materials, trees, shrubs, groundcover, turf, etc. Planting symbols shall be clearly drawn – labeled by botanical name, common name, container size, spacing and quantities of each group of plants Property lines, utility easements Streets, driveways, walkways, other paved areas Buildings and structures, pad elevations Natural features (rock outcroppings, oak & ornamental trees/shrubs) to remain Planting areas by hydrozone Planting value calculation for entire planting area by planting type (L,M,H) Sloped areas Tree staking and tree/shrub planting details Soil preparation and amendment details Note stating soils test is required and shall be submitted with certificate of completion, if not performed prior to plan submittal. 	Clearly identify Landscape materials, trees, shrubs, groundcover, turf, etc. Planting symbols clearly drawn - labeled by botanical name, common name, container size, spacing and quantities of each group of plants Delineate planting areas dedicated to edible plants Hydrozone information Water features	
Grading Plan:	Not required for landscape package, but normally submitted for improvement plan approval.	 In addition to other City grading design standards, grading plan shall include: Height of graded slopes Drainage patterns Proposed underground and in-ground drainage improvements, pad elevations, and Finish grade Stormwater retention or treatment improvements, if 	

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		applicable Note: The grading and drainage plan submitted for improvement plan review satisfies requirement for landscape grading plan.
Irrigation Plan:	 Same scale as planting plan Indicate flow rate and pressure at POC Indicate all components of irrigation system, including main and lateral lines Indicate valves, controllers, heads/emitters, quick couplers head precipitation rates/emitter rates, meter size, moisture sensor devices, rain switches, backflow prevention device, electric POC. 	No Change
Irrigation Schedule:	Annual program with minimum four season water schedule. Schedule shall include: Run time for each station Frequency of irrigation for each station Type of irrigation system for each station (drip, bubbler, spray, etc) Hydrozone designation for each station (L,M,H) Flow rate of each station (GPH or GPM) Landscape area covered by each station (sq. ft.) Amount of water applied to landscape area (inches/year) for each station. Average amount of water applied to total landscape area (inches/year)	Annual irrigation program with monthly schedules required for: Plant establishment period Established landscape Temporarily irrigated areas Irrigation scheduling shall utilize automatic irrigation systems and evapotranspiration data, and shall factor: Irrigation interval Run times Flow rate Emission device Current reference ETo Number of cycle starts Amount of applied water on monthly basis Application rate setting Root depth setting Plant type setting Soil type Slope factor and shade factor setting Irrigation uniformity or efficiency setting

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		Overhead irrigation using potable water shall only occur between 8 p.m. and 10 a.m., unless unfavorable weather conditions would result in detriment to plant health.	
Plant values	Low water use = 0.40 Medium water use = 1.00 High water use = 1.40	Low water use = 0.30 Medium water use = 0.60 High water use = 1.00	
Mulch requirement	2" of organic mulch, no non-porous material may be placed beneath mulch, no shredded or "gorilla" mulch	No Change	
Water features	Allowed. Re-circulating water systems required. Surface area calculated as high water use	No Change	
Plant Selection, Water Budget, & Planting Plan Design Criteria Water use criteria:	Maximum applied water shall average no greater than 30" artificially applied water per year. Formula: planting area (in sq. ft.) x 30" x .62 (conversion from inches to gallons) = gallons per year Total planted area shall be balanced with plant species of different water demands to create an overall landscape which required a moderate amount of water. Based on 0.8 ET adjustment factor	Estimated Total Water Use (ETWU) shall not exceed Maximum Applied Water Allowance (MAWA), based on low, moderate, and high water use plant factors, and based on a 0.7 evapotranspiration adjustment factor. MAWA shall be calculated as follows: MAWA = (ETo)(0.62)[0.7 x LA + 0.3 x SLA]	
Turf selections and use:	Not permitted in median strips (in ROW), slopes greater than 4:1, or protected zone of native oaks, toe of slopes shall be a minimum of 24" behind curb or sidewalk to minimize runoff	 Same, plus: Shall not comprise greater than 50% of front yard planting area of single family landscaping Shall not comprise greater than 50% of all non-residential and multi-family landscaped area (exception for Special Landscape Areas) 	
Non-turf selections:	Plants shall be selected for suitability/adaptability to climate of this region	No Change	

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	Plants shall be grouped according to water needs and irrigated separately		
	No landscaping within protected zone of native oak trees		
Irrigation system design criteria Rate of application:	Do not exceed infiltration rate of soil, minimize overspray and runoff. Encourage repeat controller cycles where application rate exceeds infiltration rate. Low volume heads encouraged.	Irrigation system shall be designed to prevent runoff, low head drainage, overspray, or other waste. Slopes greater than 4:1 shall not be irrigated with an irrigation system with a precipitation rate exceeding 0.75 inches per hour. Exceptions apply.	
Irrigation stations:	Separated based on plant water use criteria.	No Change	
Sprinkler heads:	Maximum spacing = 50% diameter of throw. Account for onsite wind conditions. Minimum 4" risers required for turf areas		
Automatic controllers:	All irrigation systems shall be operated by an automatic controller. Must have at least a 7 day calendar, two independent programs, and three cycles per day capability.	Automatic weather-based, soil moisture based, or other self-adjusting controllers are required. Sensors may be integral or auxiliary (rain, freeze, wind, etc.).	
Irrigation timing:	System designed to allow complete watering cycle within a 10 hour period.	Overhead irrigation using potable water shall only occur between 8 p.m. and 10 a.m., unless unfavorable weather conditions would result in detriment to plant health.	
Overhead irrigation restrictions:	No overhead irrigation for: Landscape areas less than 6' wide Parking dividers less than 8' wide Medians less than 15' wide	No overhead irrigation for narrow or irregularly shaped areas less than eight feet in width (subsurface or low-flow irrigation required).	
		No overhead irrigation within 24 inches of any non-permeable surface. Allowable irrigation within the setback from non-permeable surfaces may include drip, drip line, or other low-flow technology. Setback area may be planted or unplanted. This requirement may be modified if: Landscape area is adjacent to permeable surfacing and	

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Criteria	Existing Water Efficient Landscape Requirements	Proposed Water Efficient Landscape Ordinance no overspray and runoff occurs; The adjacent non-permeable surfaces are designed and constructed to drain entirely to the landscaping; or, The irrigation designer specifies an alternative design or technology that demonstrates compliance with irrigation system design criteria and demonstrates that no overspray or runoff will occur.
Weather-based sensors:	Rain sensing devices and soil moisture sensing devices shall be considered.	Weather-based, soil moisture based, or other self-adjusting controllers are required. Sensors may be integral or auxiliary (rain, freeze, wind, etc.).
Design Certification by Applicable Professional	None required	Statements signed by applicable professional on landscape, irrigation, and grading/drainage plans as follows: "I have complied with the criteria of the Water Efficient Landscaping Ordinance and applied such criteria for the efficient use of water in the (landscape/irrigation/grading) plan."
Soil tests	Soils report prepared by a qualified soils specialist required. Soils collected after mass grading, prior to landscape installation. Minimum = soil infiltration, soil texture test, cation exchange capacity, soil fertility test. Soil amendments required prior to planting.	No change
Recycled Water	Allowed case-by-case, as determined by EUD	Encouraged, allowed case-by-case, as determined by EUD
Model Homes	Model homes required to demonstrate water efficient landscaping, with the intent to showcase water efficient landscaping as a purchase option. At least one model shall be water efficient in complex of 1-3 model homes; at least two models shall be efficient for complexes of four or more models.	All residential landscaping shall comply with water efficient landscape ordinance requirements. There is no longer a distinction between model homes and other single family homes. Requirements are based on landscape area.
Signage for Model	Signs identifying the water efficient aspects of the landscape	Not applicable – ordinance applies to all residential

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Homes	design and irrigation plan required around water efficient model homes.			
Developer-installed City-maintained landscaping	 Plans reviewed by Parks & recreation Dept Plans and plantings must follow specific plan landscape design guidelines (however, Water Conservation Ordinance – Chapter 14.09 – shall take precedence where discrepancies arise) Contractor responsible for calling for inspection by Parks & Recreation at times specified on plans Acceptance for maintenance of areas in LLDs will be in accordance with City acceptance process 	City-installed or maintained landscaping must comply with water efficient landscaping criteria.		
Developer-installed single-family residential landscaping	Soils test required. Irrigation controller required with minimum 7-day calendar, three cycle/day capability, dual programs, and minimum 2 minute watering times. Four season irrigation schedule must be supplied to new owner.			
Plant List	Incorporates plant list with associated water use information.	References Water Use Classification of Landscape Species document published by UC Davis (2001), as may be amended from time to time.		
Certificate of Compliance	Indicates total planting area (s.f.), planting value (s.f.), estimated total water use (gallons/year), estimated precipitation (inches/year). Signed by landscape architect, required prior to permit issuance.	Required information shall be provided on applicable plan sheets.		
Verify: 1) plants installed as specified, 2) irrigation system installed as designed (with minimal overspray), 3) soil analysis performed, 4) landscape plans, certificate of completion, and soils test report provided to property owner		Same, plus: Irrigation audit report Scheduling parameters used to set irrigation controller Landscape and irrigation maintenance schedule Soil analysis report, if not initially submitted with landscape plans		

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		City may withhold occupancy permit if required information is not submitted.	
Certificate of Completion for Developer-installed single-family landscaping	Verify: 1) irrigation system installed properly (with minimal overspray), 2) soil analysis performed, 3) irrigation schedule appropriate for application, 4) irrigation schedule provided to homeowner and placed near controller, 5) irrigation controller installed per Water Efficient Landscape Requirements.	Same requirements as non-residential and multifamily.	
Irrigation System Maintenance	Not required	Landscaping shall be maintained to ensure water efficiency. Maintenance schedule shall be submitted with landscape certificate of completion.	
		Regular maintenance schedule shall include at a minimum: Routine inspectionAdjustment and repair of irrigation system and	
		components Aerating and de-thatching turf areas Replenishing mulch	
		 Fertilizing, pruning, weeding Removal of emission devise obstructions 	
Irrigation Audit Report	None required	Project applicant shall submit an irrigation report with landscape certificate of completion to City that must include: inspection, system test (including distribution uniformity and verification of minimal overspray or runoff), system tune-up, and an irrigation schedule.	
		Irrigation audits shall be conducted by certified landscape irrigation auditor.	
Irrigation Water Use analysis and monitoring	None required	Irrigation water usage shall not exceed MAWA (MAWA calculated for existing landscapes as: MAWA =	

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Landscaping installed prior to January 1, 2010		(0.8)(ETo)(LA)(0.62). City shall administer programs to monitor irrigation water use that may include: irrigation water use analysis, mandatory irrigation audits (conducted by property owner at owner's expense), irrigation surveys for compliance with MAWA. City may consider Effective Precipitation (not to exceed 25% of annual precipitation) in tracking water use and may calculate MAWA as follows: MAWA = (ETo-Eppt)(0.62)(0.7 x LA + 0.3 x (SLA).
Landscaping installed after January 1, 2010	None required	Project applicant shall submit an irrigation report with landscape certificate of completion to City that must include: inspection, system test (including distribution uniformity and verification of minimal overspray or runoff), system tune-up, and an irrigation schedule. City shall administer programs to monitor irrigation water use that may include: irrigation water use analysis, mandatory irrigation audits (conducted by property owner at owner's expense), irrigation surveys for compliance with MAWA.
Enforcement and Penalties	None explicitly available, except through water wasting and conservation enforcement outlined in RMC 14.09.	 Duty of Planning Director to enforce compliance with this Chapter. Enforcement options at discretion of City Attorney: Administrative enforcement provisions of RMC - citation through City's Administrative Enforcement Remedies Criminal prosecution Infraction – fine of not more than \$250 Misdemeanor – fine of not more than \$500 or imprisonment in County jail for term not exceeding six months, or both.