



WATER-EFFICIENT DESIGN AND MAINTENANCE CHECKLIST

Project Site Address: _____

Required Submittals (check if completed)

- 1. Water-Efficient Design and Maintenance Checklist
- 2. Landscape Design Plan
- 3. Irrigation Design Plan
- 4. Water Budget Calculation Worksheet (NOT needed if Plant-Type Restriction Option is chosen)
- 5. Certification of Installation (Within 60 days of installation)

Landscape Design Plan Requirements

Parameter	Requirements	Completed
Plantings	Plant Table included in plan with plant symbol, common name, botanical name, container size, quantity, type (e.g., grass, succulent, vine, shrub, tree), water-efficient species identification (low, moderate, high), and unique physical specifications of plants, if applicable.	<input type="checkbox"/>
	Plant types are assigned appropriate water-use levels based on the WUCOLS species evaluation list (i.e., "turf" is not assigned a "low"-water use).	<input type="checkbox"/>
	Avoid invasive plants in plan, such as those listed by the California Invasive Plant Council.	<input type="checkbox"/>
	Square footages of planted areas and water features (i.e., fountains and pools) noted on the Landscape Design Plan and match areas listed in Compliance Option 1 calculations on Page 2, if applicable.	<input type="checkbox"/>
Turf	Turf areas are at least 10' wide, unless watered with subsurface drip irrigation.	<input type="checkbox"/>
	Turf is not planted on slopes of 25 percent grade or more.	<input type="checkbox"/>
	Turf is at least 24" away from nonpermeable hardscape (except internal pathways), unless watered with subsurface drip irrigation.	<input type="checkbox"/>
Special Landscape Areas	Areas identified as SLAs meet the definition of a Special Landscape Area: <i>An area of landscape dedicated solely to edible plants, areas irrigated with nonpotable water, water features using nonpotable water, and areas dedicated to active play (parks, sports fields, golf courses). SLAs DO NOT INCLUDE front-yard and backyard lawns of private residences or water features that use potable water.</i>	<input type="checkbox"/>
Hydrozones	Plants are grouped by hydrozone (similar water needs, sun exposure, slope, soil).	<input type="checkbox"/>
	Hydrozones, including SLAs, are delineated and labeled with square footages.	<input type="checkbox"/>
	Hydrozones are labeled as low, moderate, high, or mixed (low/moderate) water use.	<input type="checkbox"/>
	High-water-use plants are confined to their own hydrozones (not mixed with plants with low- or moderate-water needs).	<input type="checkbox"/>
	Single hydrozones with both low- and moderate-water-use plants are labeled "mixed."	<input type="checkbox"/>
	Hardscapes are identified.	<input type="checkbox"/>
	Square footages for hydrozones, water features, and SLAs on plan match those listed on the Water Budget Calculation Worksheets (if Compliance Option 2 is chosen).	<input type="checkbox"/>
Mulch	Mulch is at least 3" deep on exposed soil surfaces. Depth and type of mulch are noted in plan.	<input type="checkbox"/>
Water Features	Recirculating (if water features are included in plan).	<input type="checkbox"/>
	Pool/spa cover (if pool/spa is included in plan).	<input type="checkbox"/>
Grading and Stormwater Management	Grading contours and quantities shown on Landscape Design and/or Irrigation Design Plan.	<input type="checkbox"/>
	Grading meets applicable requirements of City Standard Design Criteria.	<input type="checkbox"/>
	Stormwater management practices are incorporated appropriately.	<input type="checkbox"/>

Irrigation Design Plan Requirements

Parameter	Requirements	Completed
Design	Irrigation system is designed to avoid overspray and runoff.	<input type="checkbox"/>
	Overhead irrigation is NOT used in the following locations: on slopes greater than 25 percent (except in defined amphitheaters), within 24" of an impervious surface (except for internal pathways) or in any narrow or irregularly shaped area that is less than 10' in width in any direction. **	<input type="checkbox"/>
	Each irrigation valve waters only one type of hydrozone.	<input type="checkbox"/>
Equipment	Location, type, and size of all irrigation system components are noted in plan. Components may include controllers, main and lateral lines, valves, sprinkler heads, quick couplers, pressure regulators, and backflow prevention devices.	<input type="checkbox"/>
	The following irrigation components are included and noted in plan:	
	Automatic irrigation controllers <input type="checkbox"/>	Rain-sensing shutoff devices <input type="checkbox"/>
	Master shut-off valves or equivalent technology <input type="checkbox"/>	Check valves or anti-drain valves <input type="checkbox"/>
	Swing joints or other riser-protection components <input type="checkbox"/>	Flow sensors <input type="checkbox"/>
	Pressure regulators or booster pumps (if applicable) <input type="checkbox"/>	Flow/application rate and operating pressure for each station <input type="checkbox"/>
	Static water pressure at point of connection to public water supply. <input type="checkbox"/>	
	Location and size of dedicated irrigation meter (if landscape area is > 1,000 square feet). <input type="checkbox"/>	
Scheduling	Proposed irrigation schedule is provided.	<input type="checkbox"/>
	System only operates between 8:00 p.m. and 10:00 a.m.	<input type="checkbox"/>

** NOTE: "Overhead irrigation" means water distributed through sprinkler heads or nozzles.

Compliance Option Requirements

Option 1: Plant-Type Restriction	<input type="checkbox"/>
Option 2: Water Budget	<input type="checkbox"/>

Option 1: Plant-Type Restriction Requirements

High-water-use plants (e.g., turf) are not used in the landscape area.	<input type="checkbox"/>
At least 80 percent of plantings are California native or low-water-use plants.	<input type="checkbox"/>

Option 2: Water Budget Calculation Requirements

A water budget calculation is NOT required if plans comply with Compliance Option 1.

Water Budget Calculation worksheets are available in hard copy at the City of Mountain View's Planning office or online: mountainview.gov/depts/comdev/planning/application.asp

Parameter	Requirements	Completed
Compliance	Water Budget Calculation worksheet completed and printed for submission.	<input type="checkbox"/>
	Landscape's water use is within budget: $MWA \geq ETWU$.	<input type="checkbox"/>
Appropriate Labeling	Plant factors in calculation worksheet are assigned as follows: 0.3 for low-water-use plants; 0.5 for moderate-water-use plants; and 0.8 for high-water-use plants. "Mixed" hydrozone areas are considered moderate-water-use areas and are assigned a factor of 0.5.	<input type="checkbox"/>
	Irrigation methods are assigned appropriate water-use levels (Spray=0.75 Drip=0.81).	<input type="checkbox"/>

I certify that information provided on this checklist is correct and meets the specified requirements of the Water Conservation in Landscaping Regulations.

X

Signature of Project Applicant or Authorized Representative

Date

Landscape and Irrigation Maintenance Checklist

Pursuant to the City of Mountain View's Water Conservation in Landscaping Regulations, landscapes and irrigation systems shall be maintained to ensure successful establishment following installation, and to ensure the efficient use of water. Maintenance shall be performed regularly and must include, at a minimum, the following components:

Parameter	Components	Completed
Irrigation System	System check (every six months)	<input type="checkbox"/>
	Routine inspection (monthly)	<input type="checkbox"/>
	Adjustment and repair	<input type="checkbox"/>
	Failed irrigation hardware components shall be replaced with the same or functionally equivalent components	<input type="checkbox"/>
Landscape	Replenish mulch	<input type="checkbox"/>
	Fertilize	<input type="checkbox"/>
	Prune	<input type="checkbox"/>
	Weed control	<input type="checkbox"/>
	Pest control	<input type="checkbox"/>
	Aeration and dethatching of turf areas	<input type="checkbox"/>
	Failed plants shall be replaced with the same or functionally equivalent plants	<input type="checkbox"/>

To the best of my ability, the landscape and irrigation systems installed as part of this project will be maintained on a regular basis and in compliance with the Water Conservation in Landscaping Regulations.

X

Signature of Project Applicant or Authorized Representative

Date