



City of Pico Rivera  
Community & Economic Development Department  
6615 Passons Blvd., Pico Rivera, CA 90660-1016  
Phone: (562) 801-4332  
Hours: M-Th 7 a.m. - 5:30 p.m.

## WATER EFFICIENT LANDSCAPE DOCUMENTATION PACKAGE SUBMITTAL REQUIREMENTS

The state Ordinance may be found at the following link <https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Model-Water-Efficient-Landscape-Ordinance>.

Compliance with the State Water Efficient Landscape Ordinance is required for the following projects.

| <b>New Projects</b>       |   |
|---------------------------|---|
| Less than 500 square feet | Does not apply                                  |
| 500 to 2,500 square feet  | Prescriptive Compliance or Performance Approach |
| Over 2,500 Square feet    | Performance Approach                            |

| <b>Rehabilitated Landscaping</b> |                      |
|----------------------------------|----------------------|
| Less than 2,500 square feet      | Does not apply       |
| 2,500 square feet or more        | Performance Approach |

The adopted regulations do not apply to registered local, state or federal historical sites.



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**General Requirements**

1. All drawings shall be stapled together and folded to approximately 8.5” x 11” with the title block showing. Include one 8.5” x 11” reduced set. All plans must be drawn to standard scale.
2. Provide CD with electronic copy of all documents, drawings, studies, etc. (PDF format).
3. The minimum size of drawings is 24” x 36” unless otherwise indicated or approved by the Planning Division.
4. All material should indicate the preparer’s name, application number, project address, assessors parcel number and date.

**Landscape Concept Plan**

The Landscape Documentation Package must be prepared by a licensed landscape architect and shall include:

1. Submittal of completed Project Information Form.
2. Submittal of completed Water Efficient Landscape Worksheet.
3. Design statement, irrigation notes, planting notes, conceptual plant palette, and identification of hydrozones.
4. Legend listing the common and botanical plant names, total quantities by container size, and species.
5. Maximum Allowed Water Allowance (MAWA) circulation for the landscape project area (including water features).
6. Estimated Total Water Usage (ETWU) calculation for the landscape project area.
7. Hydrozone information table.

**Irrigation Plan**

1. Location and size of separate water meters for landscape (separate and dedicated meter required for all projects greater than 5,000 square feet, except single family residence).
2. Location, type and size of all components of the irrigation system, including controllers, main and lateral lines, valves, sprinkler heads, moisture sensing devices, rain switches, quick couplers, pressure regulators, and backflow prevention devices.
3. Static water pressure at the point of connection to the public water supply.
4. Flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station.
5. Connection to reclaimed water system if subject property is located within 150-feet of a public reclaimed water distribution system.
6. Irrigation system shall include a SMART irrigation controller, backflow prevention device, and a rain sensor with automatic rain shut off feature.



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**Planting Plan**

1. Description of any existing plant material to be retained or removed.
2. Plan showing planting areas, hydrozones, plant spacing, plant location, plant size, natural features, water features, and all paved areas.
3. Legend listing the common and botanical plant names, total quantities by container size, and species.
4. Description of the seed mixes with application rates and relevant germination specifications.

**Soil Management Plan**

1. Soil texture.
2. Infiltration rate determined by laboratory test or soil texture infiltration rate table.
3. pH.
4. Total soluble salts.
5. Sodium.
6. Percent organic matter.
7. Recommendations.

**Water Management Plan**

1. Statement of site conditions.
2. Identification of party or parties responsible for implementation of the Water Management Plan.
3. Anticipated water requirements in inches per year, and water budget for each hydrozone.
4. Description of water delivery system, including the type of irrigation system to be used; water conservation methods to be applied; and precipitation rates for each hydrozone. Include calculations demonstrating an overall water budget that requires no more irrigation than 0.7 of the evapotranspiration (ET<sub>o</sub>) rate.
5. Seasonal irrigation water schedules or procedures for programming of proposed SMART controllers.
6. Irrigation system maintenance plan.

**Certificate of Completion**

The Certificate of Completion shall be submitted by the Applicant upon completion of the landscape project. The Certificate of Completion shall be accompanied by the Irrigation Schedule and Schedule of Landscape & Irrigation Maintenance.

**Landscape Irrigation Audit Report**

The Public Works Department may require the preparation of an Irrigation Audit at any time and at the property owner's expense to demonstrate that the landscaping conforms to MAWA.



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## WATER EFFICIENT PROJECT INFORMATION FORM

Date \_\_\_\_\_

Project Name \_\_\_\_\_

Project Address \_\_\_\_\_

APN, Tract or Lot # \_\_\_\_\_

Applicant Name \_\_\_\_\_

Applicant Address \_\_\_\_\_

Applicant Phone \_\_\_\_\_ Alt. Phone \_\_\_\_\_

Applicant Email \_\_\_\_\_

Owner Name \_\_\_\_\_

Owner Address \_\_\_\_\_

Owner Phone \_\_\_\_\_ Alt. Phone \_\_\_\_\_

Owner Email \_\_\_\_\_

Primary Contact     Applicant     Owner

### Applicant Compliance Statement

“I agree to comply with the requirements of the water efficient landscape ordinance and submit a Landscape Documentation Package. I understand that the certificate of completion must be approved by the City prior to Certificate of Occupancy Approval.”

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

### Landscape Documentation Package Checklist:

- |                                     |                          |  |                          |
|-------------------------------------|--------------------------|--|--------------------------|
| Project Information Form            | <input type="checkbox"/> | Water Management Plan                          | <input type="checkbox"/> |
| Water Efficient Landscape Worksheet | <input type="checkbox"/> | Grading Plan (for reference)                   | <input type="checkbox"/> |
| Landscape Concept Plan              | <input type="checkbox"/> | Certificate of Completion                      | <input type="checkbox"/> |
| Irrigation Plan                     | <input type="checkbox"/> | Irrigation Schedule                            | <input type="checkbox"/> |
| Planting Plan                       | <input type="checkbox"/> | Schedule of Landscape & Irrigation Maintenance | <input type="checkbox"/> |
| Soil Management Plan                | <input type="checkbox"/> |  |                          |



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## PROJECT INFORMATION FORM

**Project Type (circle one):**

Commercial          Industrial          Institutional          Public or community facility  
Single Family Residential          Multi-Family Residential          Mixed-Use  
Other \_\_\_\_\_

**Water Supply Type (circle one):**

Potable Water          Recycled Water          Gray Water          Groundwater or Well Water  
Mixed Use          Other \_\_\_\_\_

**Water Purveyor:** \_\_\_\_\_

**Total Landscape Area:** \_\_\_\_\_



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## WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant, and it is a required element of the Landscape Documentation Package.

| Hydrozone # /Planting Description <sup>a</sup> | Plant Factor (PF) | Irrigation Method <sup>b</sup> | Irrigation Efficiency (IE) <sup>c</sup> | ETAF (PF/IE) | Landscape Area (sq. ft.) | ETAF x Area   | Estimated Total Water Use (ETWU) <sup>d</sup> |
|--|-------------------|--------------------------------|---|--------------|--------------------------|---|---|
| <b>Regular Landscape Areas</b>                 |                   |                                |   |              |                          |   |   |
|  |                   |                                |   |              |                          |   |   |
|  |                   |                                |   |              |                          |   |   |
|  |                   |                                |   |              |                          |   |   |
|  |                   |                                |   |              |                          |   |   |
|  |                   |                                |   | Totals       | (A)                      | (B)   |   |
| <b>Special Landscape Areas</b>                 |                   |                                |   |              |                          |   |   |
|  |                   |                                |   | 1            |                          |   |   |
|  |                   |                                |   | 1            |                          |   |   |
|  |                   |                                |   | 1            |                          |   |   |
|  |                   |                                |   | Totals       | (C)                      | (D)   |   |
|  |                   |                                |   |              |                          | <b>ETWU Total</b>   |   |
|  |                   |                                |   |              |                          | <b>Maximum Allowed Water Allowance (MAWA)<sup>e</sup></b> |   |

<sup>a</sup>Hydrozone #/Planting Description  
 E.g.  
 1.) front lawn  
 2.) low water use plantings  
 3.) medium water use planting

<sup>b</sup>Irrigation Method  
 Overhead spray,  
 drip or bubbler

<sup>c</sup>Irrigation Efficiency  
 0.75 for spray head  
 0.81 for drip, bubbler

<sup>d</sup>ETWU (Annual Gallons Required) =  
 Eto x 0.62 x ETAF x Area  
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year. Complete ETWU for each hydrozone.

<sup>e</sup>MAWA (Annual Gallons Allowed) =  
 (Eto) ( 0.62) [ (ETAF x TLA) + ((1-ETAF) x SLA)]  
 where 0.62 is a conversion factor, TLA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

### ETAF Calculations

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

#### Regular Landscape Areas

|                     |              |  |
|---------------------|--------------|--|
| Total ETAF x Area   | (B)          |  |
| Total Area          | (A)          |  |
| <b>Average ETAF</b> | <b>B ÷ A</b> |  |

#### All Landscape Areas

|                       |                      |  |
|-----------------------|----------------------|--|
| Total ETAF x Area     | (B+D)                |  |
| Total Area            | (A+C)                |  |
| <b>Site wide ETAF</b> | <b>(B+D) ÷ (A+C)</b> |  |



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## WATER EFFICIENT LANDSCAPE CERTIFICATE OF COMPLETION

This certificate is to be completed and signed by a licensed landscape architect upon completion of the landscape project.

Project Name \_\_\_\_\_  
 Project Address \_\_\_\_\_  
 APN, Tract or Lot # \_\_\_\_\_  
 Landscape Architect \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_ Alt. Phone \_\_\_\_\_  
 Email \_\_\_\_\_  
 License # \_\_\_\_\_  
 Owner Name \_\_\_\_\_  
 Owner Address \_\_\_\_\_  
 Owner Phone \_\_\_\_\_ Alt. Phone \_\_\_\_\_  
 Owner Email \_\_\_\_\_

**Certification Statement**

“I certify that the landscape project has been installed in accordance with the approved Landscape Documentation Package, the SMART irrigation controller has been set according to the irrigation schedule, the irrigation system has been adjusted to maximize irrigation efficiency and eliminate over-spray and run-off, and a copy of the irrigation schedule has been given to the property owner.”

\_\_\_\_\_  
 Landscape Architect Signature Date

CITY USE ONLY

Approved: \_\_\_\_\_ Denied: \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Copy of COC sent to: \_\_\_\_\_ Public Works: \_\_\_\_\_ Water District: \_\_\_\_\_ Date: \_\_\_\_\_