

## SECTION 700

### DESIGN CRITERIA FOR LANDSCAPING AND IRRIGATION SYSTEMS

#### **700.1 DESCRIPTION**

These Marina Coast Water District (District) requirements promote efficient water use through landscape design and irrigation management appropriate to the local climate.

#### **700.2 APPLICABILITY**

After December 1, 2015, at a minimum, and in addition to particulars outlined in these design criteria as Additional Conditions and Submittals, all landscape plans submitted to the District for plan review procedures must conform to the latest, revised California State Model Water Efficient Landscape Ordinance: California Code of Regulations, Title 23. Waters, Division 2. Department of Water Resources, Chapter 2.7.

There are often other applicable regulations of the local jurisdictions that may apply to particular projects. The more restrictive criteria of all regulatory agencies shall apply. One local agency may designate another agency, such as a city or special district, to implement some or all of the design standards contained in this document. It is important that applicants meet with all their local regulative authorities to verify compliance with various planning and development standards and ordinances.

#### **700.3 PROCEDURES**

Prior to construction, the project applicant shall:

- 1) Submit payment to the District for plan check procedures.
- 2) Submit three (3) complete copies of the Landscape Documentation Package to the District for; plan check procedures, the development of comments, and if required, a listing of requested revisions. The Landscape Documentation Package will be reviewed as many times as needed until the District requirements and standards are satisfied.
- 3) Receive the District's authorization to construct and record the date of the District authorization in the Certificate of Completion.
- 4) Submit a copy of the District approved Landscape Documentation Package to the planning department of the local jurisdiction to facilitate issuance of a permit to construct.
- 5) Submit a copy of the District approved Landscape Documentation Package to the property owner or his/her designee.

Prior to construction, the District shall:

- 1) Provide the project applicant with an outline of the District's procedures for project authorization.
- 2) Refer the project applicant to the California State Model Water Efficient Landscape Ordinance and to the District's Engineering Procedures, Guidelines, and Design Requirements.
- 3) Provide a receipt for payment of fees, deposits, and charges.
- 4) Review the submitted Landscape Documentation Package, develop comments, and if required, request revisions to the documents submitted by the project applicant.
- 5) Approve or deny the Landscape Documentation Package; and

6) Upon approval, provide District authorization to construct.

After completion of the landscape project installation, the applicant shall:

- 1) Have an irrigation audit performed immediately following the completion of construction or rehabilitation and prior to submission of the Certificate of Completion to the District. The irrigation audit report shall be submitted to the District for acceptance.
- 2) Submit all elements of a Certificate of Completion and a set of record drawings (as-built drawings) to the District for acceptance. If the submitted documents are denied, the District shall provide information to the project applicant regarding reapplication, appeal or other assistance.

After all requested documentation is received and compliance with the standards is verified, the District shall:

- 1) Provide a signed copy of the Certificate of Completion to the applicant.
- 2) Keep a record of the documentation for water use evaluation.
- 3) Administer programs that may include, but not be limited to, irrigation water use analysis, irrigation audits, and irrigation surveys for compliance with the Maximum Applied Water Allowance.

#### **700.4 PENALTIES**

The District may establish penalties, including the termination of dedicated landscape water service, for noncompliance with these standards.

#### **700.5 REQUIRED DESIGN ELEMENTS FOR IRRIGATION SYSTEMS USING RECYCLED WATER.**

Local agencies, during development review, shall determine the extent to which developments shall use recycled water for landscape irrigation. As set forth in the District Water Code, where recycled water is not immediately available for use when the design area is ready for construction, and if the District or local jurisdiction has determined that recycled water will be supplied in the future, the on-site facilities shall be designated to use recycled water. The irrigation system shall be designed and constructed to meet all the District's Standards and Specifications. Provisions shall be made as directed by the District and specifications followed to prepare and allow for connection to the recycled water facilities when they become available.

- 1) The installation of recycled water irrigation systems (dual distribution systems) shall be required to allow for the current and future use of recycled water, unless a written exemption has been granted by the District.
- 2) Irrigation systems shall make use of recycled water unless a written exemption has been granted by the District, stating that recycled water meeting all health standards is not available and will not be available in the foreseeable future.
- 3) The recycled water irrigation systems shall be designed and operated in accordance with all local and state rules and regulations.

In preparation for the conversion to recycled water, and as referred to below, an On-Site Recycled Water

User Plan shall be prepared by the applicant, owner, developer, or customer and submitted to the District. Required elements of this document are outlined in Appendix 19.

#### **700.6 TEMPORARY IRRIGATION SYSTEM DESIGN**

Before design submittals, the developer shall obtain approval from the District for any temporary irrigation system designs.

Please refer to Section 600 of the District's Procedures, Guidelines, and Design Requirements for the specific use of recycled water in temporary irrigation systems.

#### **700.7 WATER METERS FOR IRRIGATION**

Points of connection to the water distribution system and meter locations shall be approved by the District. Consideration shall be given to the likelihood that if not already provided, recycled water may become available, and appropriate irrigation system points of connection may change. Provisions shall be made, as directed by the District and these specifications, to design the irrigation system in a manner that allows for connection to the recycled water facilities as these facilities become available. Meters shall be located at the property boundary or in the public utility easement.

All landscape irrigation use, excluding that used around single-family dwellings with landscape area less than 5000 square feet, shall have dedicated landscape water meters provided by the District.

#### **700.8 SUBMITTALS TO THE DISTRICT**

The applicant shall submit the following items for review and approval by the District. These submittals and their content shall be consistent with the most current State Model Water Efficient Landscape Ordinance promoting water conservation in landscape projects. Some examples of the elements below, and support documents can be found at the District website, [http://www.mcwd.org/engineering\\_docs.php](http://www.mcwd.org/engineering_docs.php).

The Submittals to the District shall include the following Elements of the Landscape Documentation Package:

- 1) Project Information
- 2) Water Efficient Landscape Worksheet
- 3) Soil Management Report
- 4) Landscape Design Plan
- 5) Irrigation Design Plan
- 6) Elements of the Certificate of Completion

**700.9      ADDITIONAL CONDITIONS AND SUBMITTALS**

The Submittals to the District shall also conform to and include the following conditions and support documentation requested by the District:

- 1) Appendix 31 Landscape Site Data Table & Summary of Water Consumption
- 2) Draft On-Site Recycled Water User Plan (not required of stand-alone single-family residential projects or those projects with granted exemption from the use of recycled water or this specific submittal)
  - a) Refer to Section 600.4.12 for details on this requirement. An example of an On-site Recycled Water Users Plan is shown in Appendix 19.

**END OF SECTION**