



**CITY OF EL CENTRO**  
COMMUNITY DEVELOPMENT DEPARTMENT  
Planning and Zoning Division  
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[www.cityofelcentro.org/1176/Community-Development](http://www.cityofelcentro.org/1176/Community-Development)

## MWELO Project Performance Compliance Form

The Model Water Efficient Landscape Ordinance (MWELO) was adopted by the State of California to ensure that landscapes are water efficient, to maintain soil health, and to promote stormwater management and erosion control. The City of El Centro is required to implement these measures and has adopted the MWELO for the review of landscaping projects.

All landscape projects with a landscape area of 2,500 square feet or more must comply using the performance compliance path, and this form is used for those projects. Projects with a landscape area of 500 to 2,500 square feet may also use this path voluntarily instead of the prescriptive path.

| PROPERTY OWNER    | APPLICANT (if different from Property Owner) |
|-------------------|----------------------------------------------|
| Name:             | Name:                                        |
| Company:          | Company:                                     |
| Phone:            | Phone:                                       |
| Mailing Address:  | Mailing Address:                             |
| City, State, ZIP: | City, State, ZIP:                            |
| Email Address:    | Email Address:                               |

| DESIGNER OF RECORD                                                                                                                             |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Name:                                                                                                                                          | License / Certification No.: |
| Company:                                                                                                                                       | Phone:                       |
| Email Address:                                                                                                                                 |                              |
| Discipline: <input type="checkbox"/> Landscape Architect <input type="checkbox"/> Licensed Landscape Contractor <input type="checkbox"/> Other |                              |

| PROJECT INFORMATION                                                                                                                                                                                                              |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| MyGov Project Number:                                                                                                                                                                                                            |                |
| Project Address / Location:                                                                                                                                                                                                      |                |
| Assessor's Parcel Number (APN) / Lot or Tract No.:                                                                                                                                                                               |                |
| Landscaping is: <input type="checkbox"/> New Construction <input type="checkbox"/> Rehabilitated                                                                                                                                 |                |
| Project Type: <input type="checkbox"/> Residential <input type="checkbox"/> Non-Residential <input type="checkbox"/> Institutional (Public) <input type="checkbox"/> Homeowner-Installed<br><input type="checkbox"/> Other _____ |                |
| Total Landscape Area, LA (square feet):                                                                                                                                                                                          | LA = RLA + SLA |

| PROJECT INFORMATION                                                                                                                                                                                                                    |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Regular Landscape Area, RLA (square feet):                                                                                                                                                                                             |       |
| Special Landscape Area, SLA (square feet): (recreational areas; areas solely dedicated to edible plants; areas irrigated with recycled water)                                                                                          |       |
| Total Turfgrass Area (square feet):                                                                                                                                                                                                    |       |
| Water Supply Type: <input type="checkbox"/> City of El Centro Potable Water <input type="checkbox"/> IID Non-Potable <input type="checkbox"/> Other: _____                                                                             |       |
| Significant mass grading is planned: <input type="checkbox"/> No — soil management report is submitted with this package<br><input type="checkbox"/> Yes — soil management report will be submitted with the Certificate of Compliance |       |
| <b>I agree to comply with the requirements for the performance compliance option of the MWELO and submit a complete Landscape Documentation Package.</b>                                                                               |       |
| Signature of Applicant:                                                                                                                                                                                                                | Date: |

### Landscape Documentation Package Checklist

The Landscape Documentation Package must contain all six elements required by 23 CCR § 491.4(b). Element 1, the project information sheet, is page 1 of this form. Check each box below to confirm the remaining elements are included and shown on the plans. The Reviewer column is completed by City staff.

| ELEMENT 2 — SOIL MANAGEMENT REPORT (§ 493.1) |                                                                                                                                                                                                                                                |                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Applicant                                    | Requirement                                                                                                                                                                                                                                    | Reviewer                 |
| <input type="checkbox"/>                     | Soil management report submitted with this Landscape Documentation Package — OR — if significant mass grading is planned, submitted with the Certificate of Compliance. (Check the applicable box in the Project Information block on page 1.) | <input type="checkbox"/> |
| <input type="checkbox"/>                     | Soil samples submitted to a laboratory for analysis and recommendations, sampled in accordance with laboratory protocol including adequate sampling depth for the intended plants.                                                             | <input type="checkbox"/> |
| <input type="checkbox"/>                     | Soil analysis reports: soil texture; infiltration rate (laboratory test or soil texture infiltration rate table); pH; total soluble salts; sodium; percent organic matter; and recommendations.                                                | <input type="checkbox"/> |
| <input type="checkbox"/>                     | For projects with multiple landscape installations (e.g., production home developments), sampling at a rate of 1 in 7 lots (approximately 15% of total lots).                                                                                  | <input type="checkbox"/> |
| <input type="checkbox"/>                     | Soil management report made available to the professionals preparing the landscape and irrigation design plans.                                                                                                                                | <input type="checkbox"/> |

| <b>ELEMENT 3 — LANDSCAPE DESIGN PLAN (§ 493.2)</b> |                                                                                                                                                                                                                                                                |                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Applicant</b>                                   | <b>Requirement</b>                                                                                                                                                                                                                                             | <b>Reviewer</b>          |
| <input type="checkbox"/>                           | Each hydrozone delineated and labeled by number, letter, or other method.                                                                                                                                                                                      | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Plant factor identified for each hydrozone as very low, low, moderate, high, or mixed water use. Temporarily irrigated areas use the low water use plant factor.                                                                                               | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Special landscape areas identified: recreational areas; areas permanently and solely dedicated to edible plants; and areas irrigated with, or water features using, recycled water.                                                                            | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Type of mulch and application depth identified (minimum three-inch layer on all exposed soil surfaces of planting areas, except turfgrass, creeping or rooting groundcovers, or direct seeding applications where mulch is contraindicated).                   | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Type and quantity of soil amendments identified, including compost at a minimum of four cubic yards per 1,000 square feet of pervious area incorporated to a depth of six inches (soils with greater than 6% organic matter in the top six inches are exempt). | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Type and surface areas of water features identified. All water features use recirculating systems and are calculated at the high water use plant factor.                                                                                                       | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Hardscapes identified (pervious and non-pervious).                                                                                                                                                                                                             | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Location, installation details, and 24-hour retention or infiltration capacity of applicable stormwater best management practices.                                                                                                                             | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Applicable graywater discharge piping, system components, and area(s) of distribution identified.                                                                                                                                                              | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Plants identifiable to an inspector at final inspection by botanical name, common name, or cultivar.                                                                                                                                                           | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Turfgrass not located on slopes greater than 25% where the toe of the slope is adjacent to non-pervious hardscape. High water use plants (plant factor 0.7–1.0) not used in street medians.                                                                    | <input type="checkbox"/> |
| <input type="checkbox"/>                           | Required statement and signature of the designer of record shown on the plan.                                                                                                                                                                                  | <input type="checkbox"/> |

| <b>ELEMENT 4 — GRADING DESIGN PLAN (§ 493.2.1)</b> |                                                                                                                                                                                                                                          |                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Applicant</b>                                   | <b>Requirement</b>                                                                                                                                                                                                                       | <b>Reviewer</b>          |
| <input type="checkbox"/>                           | Landscape grading plan indicating finished configurations and elevations of the landscape area, including height of graded slopes, drainage patterns, pad elevations, finish grade, and stormwater retention improvements if applicable. | <input type="checkbox"/> |

#### ELEMENT 4 — GRADING DESIGN PLAN (§ 493.2.1)

| Applicant                | Requirement                                                                                                                                                         | Reviewer                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <input type="checkbox"/> | Grading designed to minimize soil erosion, runoff, and water waste. A comprehensive grading plan approved by the City for other permits satisfies this requirement. | <input type="checkbox"/> |
| <input type="checkbox"/> | Required statement and signature of a licensed professional shown on the plan.                                                                                      | <input type="checkbox"/> |

#### ELEMENT 5 — IRRIGATION DESIGN PLAN (§ 493.2.2)

| Applicant                | Requirement                                                                                                                                                                                                                                                                                | Reviewer                 |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <input type="checkbox"/> | Location and size of separate water meters and submeters. A dedicated irrigation meter or submeter is installed for non-residential landscapes of 1,000–5,000 sq. ft. and residential landscapes of 5,000 sq. ft. or more.                                                                 | <input type="checkbox"/> |
| <input type="checkbox"/> | Location, type, and size of all irrigation system components, including controllers, main and lateral lines, valves, emission devices, moisture sensing devices, rain sensors, quick couplers, pressure regulating devices, and backflow prevention devices.                               | <input type="checkbox"/> |
| <input type="checkbox"/> | Static water pressure at the point of connection to the public water supply.                                                                                                                                                                                                               | <input type="checkbox"/> |
| <input type="checkbox"/> | Flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (psi) for the emission devices controlled by each station.                                                                                                                               | <input type="checkbox"/> |
| <input type="checkbox"/> | Special landscape areas irrigated with, and water features using, recycled water identified.                                                                                                                                                                                               | <input type="checkbox"/> |
| <input type="checkbox"/> | Applicable graywater discharge piping, system components, and landscape areas where graywater is distributed identified.                                                                                                                                                                   | <input type="checkbox"/> |
| <input type="checkbox"/> | Hydrozone areas designated by number, letter, or other designation matching the landscape design plan, with a valve number assigned to each valve. Each valve irrigates a hydrozone, or part of a hydrozone, with similar site, slope, sun exposure, soil conditions, and plant water use. | <input type="checkbox"/> |
| <input type="checkbox"/> | Automatic irrigation controllers using evapotranspiration or soil moisture sensor data and non-volatile memory, with rain, freeze, or wind sensors that suspend or alter operation during unfavorable weather.                                                                             | <input type="checkbox"/> |
| <input type="checkbox"/> | Master shut-off valve provided; manual shut-off valve located as close as possible to the point of connection; check or anti-drain valves on all sprinkler heads where low point drainage could occur; swing joints or riser protection on risers subject to damage.                       | <input type="checkbox"/> |
| <input type="checkbox"/> | Flow sensors provided on all non-residential landscapes and residential landscapes of 5,000 sq. ft. or larger.                                                                                                                                                                             | <input type="checkbox"/> |
| <input type="checkbox"/> | Backflow prevention devices provided per the California Plumbing Code and City requirements.                                                                                                                                                                                               | <input type="checkbox"/> |

| <b>ELEMENT 5 — IRRIGATION DESIGN PLAN (§ 493.2.2)</b> |                                                                                                                                                                                                                                                      |                          |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Applicant</b>                                      | <b>Requirement</b>                                                                                                                                                                                                                                   | <b>Reviewer</b>          |
| <input type="checkbox"/>                              | Pressure regulating devices provided where static pressure is above or below the required dynamic pressure of the irrigation system or outside the manufacturer's recommended range for the emission devices.                                        | <input type="checkbox"/> |
| <input type="checkbox"/>                              | All emission devices meet ASABE/ICC 802-2020; all overhead systems document a low quarter distribution uniformity of 0.65 or higher; non-rotating spray sprinkler bodies meet 20 CCR § 1605.3(x); emission devices have matched precipitation rates. | <input type="checkbox"/> |
| <input type="checkbox"/>                              | No overhead irrigation within 24 inches of any non-pervious surface. Areas less than 10 feet in width in any direction irrigated with subsurface irrigation or other means producing no water waste, runoff, or overspray.                           | <input type="checkbox"/> |
| <input type="checkbox"/>                              | Slopes greater than 25% not irrigated at an application rate exceeding 0.75 inches per hour.                                                                                                                                                         | <input type="checkbox"/> |
| <input type="checkbox"/>                              | Trees placed on separate valves from shrubs, groundcovers, and turfgrass where feasible. Low-pressure, low-volume irrigation used in mulched planting areas.                                                                                         | <input type="checkbox"/> |
| <input type="checkbox"/>                              | Required statement and signature of the designer of record shown on the plan.                                                                                                                                                                        | <input type="checkbox"/> |

| <b>ELEMENT 6 — WATER EFFICIENT LANDSCAPE WORKSHEET (§ 493.3)</b> |                                                                                                                                                                                                                                          |                          |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Applicant</b>                                                 | <b>Requirement</b>                                                                                                                                                                                                                       | <b>Reviewer</b>          |
| <input type="checkbox"/>                                         | Water Efficient Landscape Worksheet completed (included in this form), demonstrating that Estimated Total Water Use (ETWU) is equal to or less than the Maximum Applied Water Allowance (MAWA).                                          | <input type="checkbox"/> |
| <input type="checkbox"/>                                         | Plant factors taken from WUCOLS IV: very low = less than 0.1; low = 0.1–0.3; moderate = 0.4–0.6; high = 0.7–1.0. All water features use the high water use plant factor; temporarily irrigated areas use the low water use plant factor. | <input type="checkbox"/> |
| <input type="checkbox"/>                                         | Average irrigation system efficiency used: 0.75 for overhead irrigation; 0.81 for drip irrigation.                                                                                                                                       | <input type="checkbox"/> |
| <input type="checkbox"/>                                         | Annual reference evapotranspiration (ET <sub>o</sub> ) for El Centro of 75.0 inches per year used in all calculations (23 CCR Chapter 2.7, Appendix C).                                                                                  | <input type="checkbox"/> |

## Water Efficient Landscape Worksheet

Complete this worksheet for the project. Use additional sheets if the project has more than 10 regular hydrozones or 3 special landscape areas. Attach a hydrozone plan keyed to Column A.

| STEP 1 — MAXIMUM APPLIED WATER ALLOWANCE (MAWA)                        |             |
|------------------------------------------------------------------------|-------------|
| MAWA = $E_{To} \times 0.62 \times [ETAF \times RLA + 1.0 \times SLA]$  |             |
| Annual reference evapotranspiration, $E_{To}$ (El Centro, Appendix C)  | 75.0 in./yr |
| Conversion factor                                                      | 0.62        |
| Maximum ETAF allowed (0.55 residential RLA / 0.45 non-residential RLA) |             |
| Regular Landscape Area, RLA (sq. ft.)                                  |             |
| Special Landscape Area, SLA (sq. ft.) — maximum ETAF 1.0               |             |
| <b>MAWA (annual gallons allowed)</b>                                   |             |

| STEP 2 — ESTIMATED TOTAL WATER USE (ETWU)         |                           |                                    |                       |                                  |                                                                   |
|---------------------------------------------------|---------------------------|------------------------------------|-----------------------|----------------------------------|-------------------------------------------------------------------|
| A<br>Hydrozone                                    | B<br>Plant Factor<br>(PF) | C<br>Irrigation<br>Efficiency (IE) | D<br>$ETAF = PF / IE$ | E<br>Hydrozone<br>Area (sq. ft.) | F<br>$EWU = D \times E \times 75.0 \times 0.62$<br>(gallons/year) |
| 1                                                 |                           |                                    |                       |                                  |                                                                   |
| 2                                                 |                           |                                    |                       |                                  |                                                                   |
| 3                                                 |                           |                                    |                       |                                  |                                                                   |
| 4                                                 |                           |                                    |                       |                                  |                                                                   |
| 5                                                 |                           |                                    |                       |                                  |                                                                   |
| 6                                                 |                           |                                    |                       |                                  |                                                                   |
| 7                                                 |                           |                                    |                       |                                  |                                                                   |
| 8                                                 |                           |                                    |                       |                                  |                                                                   |
| 9                                                 |                           |                                    |                       |                                  |                                                                   |
| 10                                                |                           |                                    |                       |                                  |                                                                   |
| SLA —                                             | N/A                       | N/A                                | 1.0                   |                                  |                                                                   |
| SLA —                                             | N/A                       | N/A                                | 1.0                   |                                  |                                                                   |
| SLA —                                             | N/A                       | N/A                                | 1.0                   |                                  |                                                                   |
| <b>ETWU Total (gallons/year)</b>                  |                           |                                    |                       |                                  |                                                                   |
| <b>MAWA (annual gallons allowed, from Step 1)</b> |                           |                                    |                       |                                  |                                                                   |

*Plant factor (PF) from WUCOLS IV: very low = less than 0.1; low = 0.1–0.3; moderate = 0.4–0.6; high = 0.7–1.0. Average irrigation system efficiency (IE): overhead irrigation = 0.75; drip irrigation = 0.81. All water features use the high water use plant factor. Temporarily irrigated areas use the low water use plant factor. Special landscape areas (SLA) use an ETAF of 1.0 and are not included in the RLA.*

### STEP 3 — COMPARE ETWU WITH MAWA

*The Estimated Total Water Use (ETWU) must be equal to or less than the Maximum Applied Water Allowance (MAWA) for the project to comply with the MWELO.*

**ETWU is equal to or less than MAWA:**

☐ Yes ☐ No

### CITY USE ONLY — PLAN CHECK

Plan check reviewer:

Date:

Landscape Documentation Package: ☐ Approved ☐ Corrections required

Comments / corrections: