

Hydrozone Landscape Plan Requirements

The City provides cost-saving incentives for the implementation of a hydrozone landscape plan, for new landscapes, redeveloped landscapes, and retrofits to existing landscapes. Participation in the hydrozone landscape plan incentive program is voluntary.

The following items must be provided:

A. Standard Submittal (not retrofitted with an existing irrigation meter)

1. **Landscape Plan**, (at a maximum scale of 1"=60') in compliance with the *Landscape Plan Requirements* available on the City's Development Center (DC) website, along with the standards specified in the Unified Development Code Section (UDC) 18.08.208 and Title 19 of the Municipal Code for soil amendment requirements and landscape/irrigation design requirements with the additional information below added to the plan:
 - a. Plant areas shall be organized into distinct hydrozones according to their microclimatic needs and water requirements (VL -Very Low, L -Low, M-Medium, H - High) as defined on the *UDC Plant List*. High water use hydrozones shall be separated from low and very low water use hydrozones by moderate water use hydrozones whenever possible. The Plant List table shall indicate the hydrozone category for each plant provided, specification of plantings with Evapo-Transpiration (ET) or Kc-values and indication of plant spacing;
 - b. Label the dedicated irrigation meter and meter size;
 - c. Provide the following REQUIRED NOTES:
 - 1) Soil Amendments (per the particular hydrozone plan and native soils) are required to be installed, unless waived. A signed and notarized Soil Amendment Affidavit must be submitted prior to the activation of a hydrozone irrigation meter.
 - 2) A Hydrozone Agreement must be executed between the City and the applicant prior to the activation of a hydrozone irrigation meter. This Agreement shall be recorded with the Larimer County Clerk and Recorder.
 - d. Landscape Plans must be prepared and stamped by a Colorado Registered Professional Landscape Architect.

2. **Hydrozone Plan**, (at the same scale as Landscape Plan with a maximum scale of 1"=60')
- a. Provide a Table with total irrigated areas (in square feet) and the calculated water budget (gallons) for each hydrozone. Provide the total irrigated area and the total water budget calculations. The calculations shall demonstrate a 25% reduction in water use from the three acre-fee per acre standard of traditional bluegrass landscapes. See following example table:

| Example Hydrozone Calculations | | | |
|--------------------------------|------------------------|--------------------|------------------------|
| Hydrozone | Irrigated Area (sq-ft) | Water Use (gal/sf) | Water Budget (Gallons) |
| High | 6,160 | 20.0 | 123,200 |
| Moderate | 59,043 | 12.0 | 708,516 |
| Low | 20,878 | 3.6 | 75,161 |
| Very Low | 385 | 0.0 | 0 |
| Total | 86,466 | 10.49 | 906,877 |

- b. Label the dedicated irrigation meter and meter size;
- c. Provide the following REQUIRED NOTES:
- 1) Soil Amendments (per the particular hydrozone plan and native soils) must be installed, unless waived. A signed and notarized Soil Amendment Affidavit must be submitted prior to the activation of a hydrozone irrigation meter.
 - 2) A Hydrozone Agreement must be executed between the City and the applicant prior to the activation of a hydrozone irrigation meter. This Agreement shall be recorded with the Larimer County Clerk and Recorder.
- b. Hydrozone plans must be prepared and stamped by a Colorado Registered Professional Landscape Architect.
3. **Irrigation Plan** (at the same scale as Landscape Plan with a maximum scale of 1"=60') that shall include the following:
- a. A narrative description of the irrigation system that shall include the procedure for any temporary irrigation systems and/or how any plantings/seeding in the Very Low Hydrozone will be irrigated to establishment.
- b. The designer shall contact the City and obtain the City's design pressure for designing the irrigation system. Provide a statement of the design pressure and the following note.
- 1) The Irrigation designer contacted the City on (insert date) and the City provided the following pressure information: _____.
- c. Schematic view of the irrigation system.
- d. Label the irrigation meter and meter size.
- e. A table of the proposed irrigation schedule, illustrating that the irrigation system can be satisfactorily provided within a 16 hour period per day, excluding subsurface irrigation of trees and shrubs, and other plantings;
- f. Indication of automatic rainfall shut-off (rain sensor) to limit unnecessary application of

irrigation water;

- g. Irrigation plans must be prepared and signed by a Colorado Registered Professional Engineer, Landscape Architect, or by a designer certified by the Association of Landscape Contractors of Colorado (CLT-E Certification) or by the Irrigation Association (CID Certification).

B. Retrofit Submittal (on an existing irrigation meter)

1. **A Letter of Request** from the developer/owner requesting the retrofit.
2. **Landscape plans:**
 - a. Copies of the original approved Landscape Plans corresponding to the retrofit irrigation meter. With the retrofit items bubbled.
 - b. Revised Landscape Plans in compliance with the requirements in Item A above.
3. **Hydrozone Plans** in compliance with Item A, Standard Submittal.
4. **Irrigation Plans:**
 - a. Copies of the original approved Irrigation Plans corresponding to the retrofit irrigation meter.
 - b. Irrigation plans in compliance with the requirements in Item A, Standard Submittal.