

Hydrozone Landscape Program Requirements

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

The following items must be provided:

A. Standard Submittal (not retrofitted from 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 – Moderate, 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;
 - b. Identify and label the location *and* size of the dedicated irrigation meter;
 - c. Provide the following REQUIRED NOTES (in both the Landscape and Hydrozone Plans):
 - 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.
 - e. In order to more accurately update and represent irrigated areas, georeferenced AutoCAD files are required for Landscape and Hydrozone Plans. Please be prepared to furnish those as plans are finalized. Submitted CAD data shall be in the NAD 1983 HARN State Plane Colorado North FIPS 0501 (WKID 2876) coordinate system (ground, modified, or project coordinates will not be accepted) and shall be submitted to Water Resources at WaterResources@cityofloveland.org and Nathan Alburn at Nathan.Alburn@cityofloveland.org prior to final SDP and PICP approval.

2. **Hydrozone Plan**, (at the same scale as Landscape Plan with a maximum scale of 1" = 60')

- a. Provide a table with 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 Category	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. Identify and label the location *and* size of the dedicated irrigation meter;
- c. Provide the following REQUIRED NOTES (in both the Landscape and Hydrozone Plans):
- 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.
- d. Hydrozone plans must be prepared and stamped by a Colorado Registered Professional Landscape Architect.
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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 REQUIRED NOTE.

- 1) The Irrigation designer contacted the City on _____ (insert date) and _____ (insert City staff member who responded) from the City provided the following pressure information: _____.
- c. Schematic view of the irrigation system.
- d. Identify and label the location *and* size of the dedicated irrigation meter;
- 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 and owner (if different from developer) 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.