

# APPENDIX E: BUILDING PERMIT LANDSCAPE & IRRIGATION SELF-CERTIFICATION FORM

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Property Owner: \_\_\_\_\_

Applicant (if different from owner): \_\_\_\_\_

Property Address: \_\_\_\_\_

Property Type & Number of Units (e.g. Single Household, 1 Unit): \_\_\_\_\_

Owner Email: \_\_\_\_\_ Owner Phone: \_\_\_\_\_

Applicant Email: \_\_\_\_\_ Applicant Phone: \_\_\_\_\_

Building Application Number: \_\_\_\_\_

**A completed form must be submitted with building permit materials for certain development types. For any questions regarding this form and its contents, please contact the City of Bozeman's Water Conservation Division at 406-577-7400 or [WaterConservation@Bozeman.net](mailto:WaterConservation@Bozeman.net).**

## Section 1

Is this project part of a site plan, modification, or further development? Yes \_\_\_\_\_ No \_\_\_\_\_

**If yes**, enter the site plan, modification, or further development application number below and proceed to Section 3.

Application Number: \_\_\_\_\_

**If no**, proceed to Section 2.

## Section 2

If this project is not part of a site plan, the following developments must follow the Landscape and Irrigation Design Requirements listed below:

- Single Household or Townhome
- Duplex, Triplex, Fourplex

### Landscape and Irrigation Design Requirements:

Select either A) or B):

- A) Turfgrass areas may not exceed 35 percent of the total landscaped area or 400 square feet, whichever is more. Remaining landscaped areas must consist solely of low and/or very low water use vegetation (plant factor of 0.3 or less) and landscape design elements such as rock mulch and wood mulch except for raised beds dedicated to edible gardens. Refer to the City of Bozeman plant list for acceptable plant types. It is strongly encouraged to install at least 50% native plants in the overall landscape.
- B) In lieu of compliance with the above requirement, for those seeking more landscape design flexibility, a landscape water budget demonstrating that the landscape does not exceed an average annual irrigation demand of 10 gallons per square foot may be provided. Project applicants pursuing the water budget approach must provide a completed Water Budget Calculator as outlined in the City's Landscape and Irrigation Performance and Design Standards Manual with this form.

Additional requirements:

- At least 60 percent of the site area not included in footprints of buildings or structures, sidewalks, driveways, walkways, or other hardscaped areas, such as decks or pervious pavers, must be landscaped and maintained

with some combination of vegetative understory plantings, such as shrubs, perennials, turfgrass, creeping or rooting groundcovers, or other living plants (excluding weeds). The installation of at least 50% native plants in the overall landscape is encouraged.

- Landscaped areas must have at least 6 inches of topsoil depth throughout the entire planted area. The building footprint and all areas within 5 feet of the actual building are exempt from the topsoil requirement. The topsoil requirement may be met by implementing one of the following methods prior to planting:
  - Amend existing topsoil at a rate of 4 cubic yards of compost/1000 square feet;
  - Amend existing topsoil based on the recommendations of a soil test; or
  - Import topsoil to achieve a minimum depth of 6 inches of topsoil.
- A minimum three-inch layer of mulch must be applied on all exposed soil surfaces of planting areas except for turf areas, creeping or rooting groundcovers, or direct seeding applications where mulch is disadvantageous.
- Rock mulch is discouraged around private trees and prohibited around public, boulevard trees. Public, boulevard trees must have a 3’ diameter wood mulch ring 3”-4” in depth.
- A minimum of 75 percent of trees shall be drought adapted or have a plant factor of 0.3 or less and must follow the diversity table below:

**Deciduous and Evergreen Tree Plant Diversity Table**

<i>Number of Trees</i>	<i>Maximum % of Single Species</i>
1-5	Can have 100% of one species
6-10	Maximum 50% of any one species
11-20	Maximum 33% of any one species
21+	Maximum 25% of any one species

- Backflow prevention devices are required (compliance with local plumbing code).
- Irrigation controllers labeled by U.S. Environmental Protection Agency’s WaterSense® Program must be installed.
- Sensors (rain, freeze, ET, soil moisture, etc.), either integral or auxiliary, that suspend or alter irrigation operation during unfavorable weather conditions or when sufficient soil moisture is present are required.
- Overhead irrigation must consist of Multi-Stream, Multi-Trajectory (MSMT) nozzles, or an approved equal, and/or rotors.
- Overhead irrigation must use a 6 inch minimum riser.
- Sprinkler heads must be spaced 2 inches minimum from hardscape edges.
- Irrigation systems must be designed to properly address hydrozoning in the landscape.
- Drip irrigation must be used outside of lawn areas where irrigation is installed.
- Areas less than 8 feet wide must be irrigated by drip irrigation. Overhead irrigation is prohibited in areas less than 8 feet wide unless only used for temporary establishment.
- Operating pressure of the irrigation system must meet manufacturer’s recommended operating pressure.

- Trees must be on a separate irrigation valve(s) from other plant types to allow for a unique watering schedule during drought related outdoor watering restrictions. Drip irrigation, such as emitters, root watering systems, or bubblers, must be used to irrigate trees.
- Irrigation pipe installed under hardscape surfaces must be sleeved in a rigid pipe.
- Adjacent boulevard(s) must comply with these Landscape and Irrigation Design Requirements and current boulevard tree requirements.

**Section 3**

By signing this form, the property owner/applicant hereby agrees that the landscape and irrigation will comply with the approved plan or the Landscape and Irrigation Design Requirements. The property owner/applicant understands that this property is subject to random compliance inspections performed by City staff. **Non-compliant properties may be subject to fines or citations according to Chapter 40 in the Bozeman Municipal Code.**

Owner Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_