

Landscape Area and Water Conserving Landscaping Calculations Worksheet

Note: This worksheet applies to Multi-Family, Commercial and Industrial Developments and contains only general references to the adopted landscape code. It is the applicant's responsibility to consult the West Jordan Code for applicable requirements. (See Section 13-13, Landscaping Requirements of the West Jordan Code for Details)

Project: _____ Applicant: _____

Property Address: _____ Date: _____

On-Site Landscaping

<u>Total Area</u>	<u>Total Percentage</u>
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- | | | |
|-------|-------|---|
| _____ | _____ | <p>Total on-site landscape area (including parking lot landscaping but excluding tree canopies and parkstrip landscaping)</p> <ul style="list-style-type: none"> • 40% minimum for Multi-Family Developments; §13-13-11; • 25% minimum for Business/Research Park Developments; §13-13-11; • 15% minimum for Commercial, Professional Office, and Non-Residential Development; §13-13-11; • 10% minimum for Manufacturing Developments; §13-13-11. |
| _____ | _____ | <p>On-site plant coverage including turf grass (excluding tree canopies).</p> <ul style="list-style-type: none"> • Shall cover no less than 40% of the ground surface at maturity §13-13-6. |
| _____ | _____ | <p>Turf grass in landscaped areas.</p> <ul style="list-style-type: none"> • Shall be no more than 25% of the total on-site landscaped area; §13-13-6. |
| _____ | _____ | <p>Plant coverage in detention basins</p> <ul style="list-style-type: none"> • No less than 50% of the detention basin area must be covered with groundcover, and/or turf at maturity §13-13-6. |
| _____ | _____ | <p>Hardscape material.</p> <ul style="list-style-type: none"> • No more than 60% of the total on-site landscape area may be covered by hardscape materials such as mulch, gravel, pavers and rock. |

_____ **Water-conserving shrubs, herbaceous, perennial, and ground cover plants** in landscaped areas that are on the *West Jordan Recommended Plant List*.

- No less than 75% of all shrubs, herbaceous, perennial, and ground cover plants must be on said list; §13-13-6.

_____ **Water-conserving trees** in landscaped areas that are listed on the *West Jordan Recommended Plant List*.

- No less than 75% of all trees must be on said list; §13-13-6.

Parking Lot Landscaping (See §13-13-9)

Total
Area **Total**
Percentage

_____ **Parking lot landscaping**

- Either 1 shade tree per seven (7) parking spaces shall be provided within the parking lot or, if shade trees are not used, no less than 6% of all parking areas shall be landscaped.

Parkstrip Landscaping (See §13-13-8)

_____ **Parkstrip plant coverage** including turf grass (excluding tree canopies).

- Shall cover no less than 40% of the ground surface at maturity.

_____ **Turf grass** in landscaped parkstrip areas.

- Shall be no more than 25% of the total plant coverage.

_____ **Hardscape material**

- No more than 60% of the total parkstrip area may be covered by hardscape materials including mulch, gravel, pavers and rock.

_____ **Water-conserving shrubs, herbaceous, perennial, and ground cover plants** in landscaped areas that are on the *West Jordan Recommended Plant List*.

- No less than 75% of all shrubs, herbaceous, perennial, and ground cover plants must be on said list.

_____ **Water-conserving trees** in landscaped areas that are listed on the *West Jordan Recommended Plant List*.

- No less than 75% of all trees must be on said list.

Frontage # of Trees

Street trees

- 1 street tree required (from the *City of West Jordan Street Tree List*) for each 25' of curb frontage.

Landscape Buffer (See §13-13-10)**Landscape****Area # of Trees**

Trees in the landscape buffer

- 1 tree required for each 400 sq. ft. of the area of the landscape buffer.

Water Allowance Worksheet

For all landscapes measuring over one thousand (1,000) square feet, the landscape designer shall prepare annual and monthly baseline landscape water allowances for use after the sixty (60) day plant establishment period, and provide copies to the city and property owner. The below formulas are examples of how the annual and monthly water allowance should be calculated.

- a. Annual water allowance (gallons) = $ET_o \times 1.0 \times 0.62 \times A$, where landscape water allowance is in gallons per year, and

ET_o	=	Reference evapotranspiration (31.18 inches per year in Salt Lake County)
1.0	=	ET_o adjustment factor, 100% turf grass ET_o (water year adjustment factor)
0.62	=	Conversion factor (to gallons per square feet)
A	=	Total irrigated landscape area in square feet

- b. Monthly water allowance (gallons) = $ET_o \times 1.0 \times 0.62 \times A$,
using the following monthly ET_o values:

ET _o Values (Inches) For Monthly Water Allowance											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.00	0.00	0.00	3.36	4.59	5.40	6.21	5.60	3.72	2.30	0.00	0.00

Landscape Certification Worksheet

I, the undersigned landscape designer for this project in the City of West Jordan, certify that the landscaping and irrigation system have been installed according to the plans approved by the City. I understand that in the case of substantial deviations from approved plans the City may require removal and re-installation of landscaping or irrigation systems, at the developer's expense, in order to comply with the approved plans and the Municipal Code of the City of West Jordan.

Name of Project:
Address of Project:
Print name of Landscape Designer:
Signature of Landscape Designer:
Date:

Distribution Uniformity Audit Worksheet (For Turfgrass Areas)

I, the undersigned, am a Certified Landscape Irrigation Auditor (CLIA) with the Irrigation Association, and I certify that I have tested at least one “fixed spray head” zone (if any exist), and at least one “rotor spray head zone” (if any exist) and the distribution uniformity (DU) results are listed in the table below. The City of West Jordan requires a minimum of 60% DU for fixed head zones and 70% DU for rotor head zones.

In the case of substantial deviations from approved plans or failure to meet minimum distribution uniformity standards the City may require removal or alterations of irrigation systems, at the developer’s expense, in order to comply with the approved plans and the Municipal Code of the City of West Jordan.

Name of Project:
Address of Project:
Project includes FIXED head zones: Yes ____ No ____ Distribution Uniformity (%): _____
Project includes ROTOR head zones: Yes ____ No ____ Distribution Uniformity (%): _____
Print name of Certified Landscape Irrigation Auditor:
Signature of Certified Landscape Irrigation Auditor:
Date: