

Chapter 26

Landscape Plans

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Chapter 26

Landscape Plans

26.1 General

“Landscape” or “landscaping” means any vegetation, mulches, irrigation systems, and any site amenities, such as street furniture, decorative paving, fences, and lighting (excluding public utility street and area lighting). The Legislature has requested that the Department commit program dollars to landscaping. In order for the Department to capture that information, it is critical that all landscape pay items shall be placed in TRNS*PORT Category 0600 whether the landscape plans are a component set of plans, or prepared independently. Projects with minor landscaping may include these features on separate sheets in the roadway plans set or features may be detailed on roadway plans sheets. When prepared as component plans they shall be assembled as a separate plans set complete with a key sheet, tabulation of quantities, schedule, and all other landscape sheets. When prepared as component plans, the sheets shall be numbered consecutively with the sheet numbers prefixed by the letters “LD”.

The Landscape Plans shall be assembled as follows:

1. Key Sheet
2. Tabulation of Quantities and Plant Schedule
3. Tabulation of Quantities and Schedule for Irrigation and Site Amenities
4. General Notes
5. Plan Sheets
6. Details Sheet

Modification for Non-Conventional Projects:

Delete Items 2 and 3 from the above list.

26.2 Key Sheet

The key sheet is the first sheet in the component plans set and shall be prepared as described in **Chapter 3**. The location map, length of project box and contract plans set information are not required if shown on the lead key sheet. The index of landscape plans shall be shown on the left of the sheet. Other data, including name, consultant contract number, vendor number, and certificate of authorization number of the firm (when plans are prepared by a consultant) shall be shown as described in **Chapter 3**.

26.3 Signature Sheet

See **Chapter 30** of this volume for Signature Sheet requirements.

26.4 Tabulation of Quantities and Schedule

26.4.1 Tabulation of Quantities and Plant Schedule

The tabulation of quantities and plant schedule sheet or a similar sheet should be utilized to tabulate the materials required for the construction of the landscaping and provide the description, size and quantity of materials in a tabular format. The tabulation of quantities and plant schedule sheet is required to conform with the format of **Exhibit LD-1** and shall be prepared separately from the tabulation of quantities for irrigation and site amenities.

26.4.2 Tabulation of Quantities and Schedule for Irrigation and Site Amenities

The tabulation of quantities and schedule for irrigation and site amenities shall utilize the standard tabulation of quantities sheet and provide the additional information given in the example in **Table 26.1**.

Table 26.1 Example Tabulation of Quantities and Schedule for Irrigation and Site Amenities

Symbol	Quantity	Unit	Description / Remarks
LP	1	LS	Irrigation pipe, heads, emitters, etc.
PR	1	LS	Irrigation pumping system.
CM	1	EA	Control module, latching solenoid, run shut-off device & appropriate fittings
ABB	5	EA	Arcata, backless bench, PolySite recycled plastic, Powdercoat 'Frost'
WCB	10	EA	Wausau Conical Bollard TF6071, B1 finish

On contracts with multiple Financial Project ID's or Federal Aid and non-Federal Aid quantities, provisions shall be made to tabulate and summarize their respective quantities.

Modification for Non-Conventional Projects:

Delete **PPM** 26.4.

26.5 General Notes

General notes pertaining to landscape plans may be shown on a separate plan format sheet. This sheet shall be placed behind the tabulation of quantities in the plans assembly.

Modification for Non-Conventional Projects:

Delete *PPM* 26.5 and replace with the following:

26.5 General Notes

General notes pertaining to landscape plans may be shown on a separate plan format sheet. This sheet shall be placed behind the key sheet in the plans assembly. Where space permits, general notes may be placed on the first plan sheet.

26.6 Plan Sheets

Plan sheets shall be prepared in a manner that is consistent with a set of construction documents rather than an illustrative plan. Therefore plan sheets shall utilize simplified symbols depicting the location of materials in a legible manner. Plan sets shall employ a level of detail and clarity that allows the reviewer to assess the relationship between the proposed landscape design, the roadway plans, utilities, outdoor advertising signs, and adjoining land use.

26.6.1 Format and Scale

Plan sheets shall be prepared on a standard plan sheet format. The scale shall be such that all details are clear and legible. However, the scale shall not be smaller than 1" = 100'. For simple projects, or narrow sections of a project, it may be possible to "stack" two plans on one sheet, one below the other. Stationing shall progress from left to right and shall be stacked from top to bottom. Irrigation plan sheets may be prepared at a larger scale than the planting plan sheets. Clarity and legibility shall be preserved in all cases.

A north arrow and scale shall be shown, as applicable, at a point of maximum visibility on the sheet. If two plans are "stacked" on one sheet, each plan portion shall contain a north arrow and scale.

26.6.2 Requirements for Plan Sheets

The base information required is as follows:

1. Project centerline
2. Edge of pavement (edge of traffic lanes)
3. Curbs or curb and gutter
4. Drainage systems
5. Guardrails
6. Right of way and/or limited access fence line
7. Sidewalks or other planned or existing structures
8. Lighting, signs and signal poles
9. Intersections and driveways which are noted in the plans
10. Existing and proposed overhead and underground utility locations
11. Clear Zone/Horizontal clearance (should be plotted or safety setback distances noted frequently on each plan sheet)
12. View zones for permitted outdoor advertising signs
13. Canopy limits
14. Existing vegetation (to remain or be removed)
15. Existing off site features and conditions that affect or are affected by the project
16. Fence and gate locations
17. Setbacks from structural elements or drainage system
18. Limits of clear sight (***Index No. 546*** of the ***Design Standards***)
19. Transit Facilities

Where necessary, required sheet elements may be “screened” to provide legibility for the landscape plans, so long as the required elements remain apparent.

Planting plan sheets shall also provide at a minimum the plant symbols and the plant quantities. Additional information such as the common name and botanical name of each plant may be provided.

Modification for Non-Conventional Projects:

Delete the above paragraph and replace with the following:

Planting plan sheets shall also provide at a minimum the plant symbols, common name and botanical name of each plant.

Site amenities, such as street furniture, decorative paving, fences, and lighting (excluding public utility street and area lighting) shall be included on the planting plan sheets with appropriate annotation.

Irrigation plan sheets shall be prepared using the planting plan sheets (devoid of unnecessary text and labeling) and shall contain information pertaining to the irrigation system. Information on the sheet shall include the approximate location of spray heads and rotors, valves, mainlines, lateral lines, sleeves, controllers, water sources / point of connection, backflow preventers, and isolation valves.

26.7 Details Sheet

This sheet shall show all landscape details, hardscape details and irrigation details, which are applicable to the project and not addressed in the ***Design Standards***.

The details sheet shall include a legend clearly depicting the symbology used in the irrigation plan sheets and an associative description for each entry. Additional information such as the nozzle schedule and irrigation zone / lateral schedule can be included on these sheets.

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