

Chapter 26

Landscape Plans

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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 relevant landscape sheets. The sheets shall be numbered consecutively with the sheet numbers prefixed by the letters “LD”.

A complete set of landscape plans shall include the following:

1. Key Sheet
2. Tabulation of Quantities and Schedule for Planting
3. Tabulation of Quantities for Irrigation and Site Amenities
4. Plan Sheets
5. Details Sheet
6. Other relevant plan sheets as outlined in this chapter

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 Tabulation of Quantities and Schedule

The tabulation of quantities and 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 schedule for planting is required to conform with the format of **Exhibit LD-1** and shall be prepared separately from the tabulation of quantities for irrigation and the site amenities. The tabulation of quantities for the irrigation and the site amenities shall utilize the standard tabulation of quantities sheet and provide the additional information given in the example in **Table 26.1**. 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.

Table 26.1 Example Tabulation of Quantities for Irrigation and Site Amenities

Symbol	Quantity	Unit	Description / Remarks
LP	5000	LF	½" PVC Sc 40 (or C-160) zone / lateral pipe & appropriate fittings
PR	100	EA	6" pop-up rotor, nozzle, riser & appropriate fittings
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

26.4 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 allow the reviewer to assess the relationship between the proposed landscape design, the roadway plans, utilities, outdoor advertising signs, and adjoining land use.

26.4.1 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.

26.4.2 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. Vegetation management 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

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.

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.

26.5 Details Sheet

This sheet shall show all landscape 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.

General notes for the landscape plan sheets shall be shown on this sheet.