

Chapter 26

Landscape Plans

26.1	General	26-1
26.2	Key Sheet	26-2
26.3	Signature Sheet	26-2
26.4	Tabulation of Quantities and Schedule	26-2
26.4.1	Tabulation of Quantities and Plant Schedule	26-2
26.4.2	Tabulation of Quantities and Schedule for Irrigation and Site Amenities	26-2
26.5	General Notes	26-3
26.6	Plan Sheets.....	26-4
26.6.1	Format and Scale	26-4
26.6.2	Requirements for Plan Sheets.....	26-4
26.7	Details Sheet.....	26-6
Tables		
Table 26.1	Example Tabulation of Quantities and Schedule for Irrigation and Site Amenities	26-3

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Chapter 26

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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 be placed in AASHTOWare Project Preconstruction™ (formerly 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 must 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, number the sheets consecutively with the sheet numbers prefixed by the letters “LD”.

Assemble the Landscape Plans 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 must be prepared as described in **Chapter 3** of this Volume. The location map, length of project box and contract plans set information are not required if shown on the lead key sheet. Show the index of landscape plans 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) must be shown as described in **Chapter 3** of this Volume.

26.3 Signature Sheet

See **Chapter 3** 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 to the format of **Exhibit LD-1** and must 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 must 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 IDs or Federal Aid and non-Federal Aid quantities, provisions must 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. Place this sheet behind the tabulation of quantities in the plans assembly.

Modification for Non-Conventional Projects:
Delete PPM 26.5 and replace with the following:
<p>26.5 General Notes</p> <p>General notes pertaining to landscape plans may be shown on a separate plan format sheet. Place this sheet behind the key sheet in the plans assembly. Where space permits, general notes may be placed on the first plan sheet.</p>

26.6 Plan Sheets

Prepare plan sheets in a manner that is consistent with a set of construction documents rather than an illustrative plan. Therefore plan sheets must utilize simplified symbols depicting the location of materials in a legible manner. Plan sets must 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

Prepare the plan sheets on a standard plan sheet format. The scale must be such that all details are clear and legible. However, the scale must 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 must progress from left to right and be stacked from top to bottom. Irrigation plan sheets may be prepared at a larger scale than the planting plan sheets. Clarity and legibility must be preserved in all cases.

Place a north arrow and scale, as applicable, at a point of maximum visibility on the sheet. If two plans are "stacked" on one sheet, include a north arrow and scale in each plan portion.

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/Lateral offset (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 (***Design Standards, Index No. 546***)
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 must 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 must also provide at a minimum the plant symbols, common name and botanical name of each plant.

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

Prepare irrigation plan sheets using the planting plan sheets (devoid of unnecessary text and labeling) and include information pertaining to the irrigation system. Information on the sheet must 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 must 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 must 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.