

329 Landscape Plans

329.1 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.

Landscape Plans are usually a component set of plans. Component plans are assembled as a separate plans set complete with a Key Sheet, Tabulation of Quantities, and all other required landscape sheets. Number the component plans with the sheet numbers prefixed by the letters “LD”; e.g., LD-1, LD-2, LD-3.

Modification for Non-Conventional Projects:

Delete the second sentence from the above paragraph and replace with the following:

Component plans are assembled as a separate plans set complete with a Key Sheet and all other required landscape sheets.

Projects with minor landscaping may show these features on landscape plan sheets in the roadway plans set (lead component), or detailed on Roadway Plans sheets. Do not use the prefix letter “LD” when including landscaping sheets in the roadway plan set. See **FDM 307.1** for placing Tabulation of Quantities sheet in the Roadway plan set.

329.2 Key Sheet

The key sheet is the first sheet in the component plans set. The location map and Contract Plans Components list are not required on this sheet. Show the index of Landscape Plans on the left side of the sheet. Assemble the Landscape Plans in the following order:

- (1) Key Sheet
- (2) Signature Sheet (if required)
- (3) Tabulation of Quantities and Plant Schedule
- (4) Project Layout
- (5) General Notes
- (6) Landscape Plan
- (7) Landscape Details

Modification for Non-Conventional Projects:
Delete Item (3) from the above list.

See **FDM 302** for other Key Sheet requirements and **Exhibit 302-3** as an example Component Key Sheet.

329.3 Signature Sheet

See **FDM 303** for Signature Sheet requirements.

329.4 Tabulation of Quantities and Plant Schedule

The Tabulation of Quantities and Plant Schedule sheet tabulates the planting materials, irrigation elements, and other site amenities required for the construction of the landscaping. Prepare this sheet using the standard tabulation of quantities sheet as illustrated in **Exhibit 329-1**.

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

Pay Size categorized as small plants include:

- All ground covers
- Shrubs, trees and cycads less than 7 gallons
- Palms clustering type less than 6-foot height

Pay Size categorized as large plants include:

- Shrubs, trees and cycads 7 gallons or greater
- All palms single trunk
- Palms clustering type 6-foot height or greater
- All sabal palms (e.g., sabal palmetto, cabbage palm, state tree)

Modification for Non-Conventional Projects:

Delete **FDM 329.4**.

329.5 General Notes

Show general notes on a separate General Notes sheet. See **FDM 311** for instructions in creating a General Notes sheet. General notes can be used to describe site-specific requirements, such as:

- watering schedule
- fertilizer mix
- fertilizer schedule
- backfill or soil amendments.

329.6 Landscape Plan Sheets

Prepare Landscape Plan sheets on a standard plan format. The scale should be such that all details are clear and legible. See the requirements of **FDM 312.1** as a guide. 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 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.

329.6.1 Required Information

The basic information required is as follows:

- (1) Project centerline
- (2) Edge of pavement (edge of traffic lanes)
- (3) Curbs
- (4) Drainage systems
- (5) Guardrail
- (6) R/W 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 (see **FDM 212.11**)
- (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 the following on the planting plan sheets:

- Site amenities; e.g., street furniture, decorative paving, fences, and lighting (excluding public utility street and area lighting).
- Location and depth to replace existing soil with landscape soil

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.

329.7 Landscape Details Sheet

This sheet may be used to show landscape details, hardscape details and irrigation details, which are applicable to the project and not addressed in the [Standard Plans](#).

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 or lateral schedule can be included on these sheets.

TABULATION OF QUANTITIES AND PLANT SCHEDULE

PAY ITEM NO.	PAY-SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAX. MAINTAINED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL	
										LD-5		LD-6		LD-7		LD-8		LD-9		PLAN	FINAL	PLAN	FINAL
										PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
570-1-2		SOD	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE GRASS				LAY SOLIDLY IN ALL INDICATED AREAS	SY	330.78		140.89		346.11		4193.44		44		5055.22		5055.22	
580-1-1	SMALL	AG	ARACHIS GLABRATA	PERENNIAL PEANUT	1 GAL.	6" HT.	18" OC	MOW REGULARLY TO PROMOTE FLOWERING	EA	1655		1118		2729		0		334		5836		5836	
	SMALL	LEG	LIRIOPE MUSCARI "EVERGREEN GIANT"	EVERGREEN GIANT LIOROPE	1 GAL.	16" HT.	24" OC	THIN BY PLANT DIVISION EVERY 3-5 YEARS	EA	434		381		0		805		0		1620		1620	
	SMALL	AS	ARISTIDA STRICTA	WIREGRASS	1 GAL.	2'-4' HT.	2' OC	NO SERIOUS PESTS	EA	465		513		0		0		0		978		978	
	SMALL	IVD	ILEX VOMITORIA "SHELLINGS"	DWARF YAUPON	3 GAL.	3'-4' HT.	3' OC	9 FEMALES TO 1 MALE/ MINIMAL PRUNING REQD.	EA	89		134		0		109		0		332		332	
	SMALL	HF	HERMEROCALLIS FULVA	DAYLILY	1 GAL.	4' HT.	24" OC	THIN BY PLANT DIVISION EVERY 3-5 YEARS	EA	131		288		530		0		0		949		949	
	SMALL	TA	TRACHELOSPERMUM ASIATICUM	STAR JASMINE	1 QUART	2' HT.	24" OC	TRIM TO MAINTAIN BEDLINES	EA	0		753		431		0		383		1567		1567	
	SMALL	CL	COREOPSIS	COREOPSIS	1 GAL.	3' HT.	24" OC	REMOVE DEAD STEMS	EA	0		0		0		453		0		453		453	
	SMALL	IV	IRIS VIRGINICA	SOUTHERN BLUE FLAG IRIS	1 GAL.	18" HT.	12" OC	THIN BY PLANT DIVISION EVERY 3-5 YEARS	EA	0		0		0		461		0		461		461	
580-1-2	LARGE	QV	QUERCUS VIRGINIANA	LIVE OAK	14' HT. 65 GAL.	40' HT.	AS SHOWN ON PLANS	2" MINIMUM CALIPER/ MINIMAL PRUNING REQD.	EA	7		1		0		9		0		17		17	
	LARGE	VO	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	42" HT. 7 GAL.	6' HT.	48" OC	PRUNE TO MAINTAIN NATURAL SHAPE	EA	181		183		0		57		0		424		424	
	LARGE	LIS	LAGERSTROEMIA INDICA	CREPE MYRTLE STANDARD	8'-10' HT. 30 GAL.	20' HT.	AS SHOWN ON PLANS	MULTI-TRUNK 3" MINIMUM CALIPER/1" PER BRANCH	EA	0		13		2		0		3		18		18	
	LARGE	IOE	ILEX OPACA "EAST PALATKA"	EAST PALATKA HOLLY	12' HT. 30 GAL.	25' HT.	AS SHOWN ON PLANS	9 FEMALES TO 1 MALE/ MINIMAL PRUNING REQD.	EA	0		3		0		0		0		3		3	
	LARGE	TD	TAXODIUM DISTICHUM	BALD CYPRESS	8' HT. 30 GAL.	50' HT.	AS SHOWN ON PLANS	2" MINIMUM CALIPER/ MINIMAL PRUNING REQD.	EA	0		0		0		3		0		3		3	
	LARGE	BN	BETULA NIGRA	RIVER BIRCH	12' HT. 30 GAL.	50' HT.	AS SHOWN ON PLANS	2" MINIMUM CALIPER/ WELL SHAPED	EA	0		0		0		3		0		3		3	

Exhibit 329-1
Date: 1/1/18

REVISIONS				ARTURITO T. GOMEZ, L.A. L.A. NO.: 99999 LANDSCAPERS, LLC. 345 IVY LANE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION: 98765	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES AND PLANT SCHEDULE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 22	BAY	123456-1-52-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.