

Table of Contents

CHAPTER 17 - LANDSCAPE STANDARDS	17-1
17.1 GENERAL	17-1
17.2 STANDARD FILE NAMES	17-1
17.3 RESOURCE FILES	17-2
17.4 ENGINEERING DATA	17-3
17.5 PROFESSIONALS' ELECTRONIC DATA DELIVERY SYSTEM (PEDDS)	17-3
17.6 SYMBOLOGY STANDARDS	17-3
17.7 QUALITY CONTROL	17-3

Chapter 17 - LANDSCAPE STANDARDS

CADD Production Criteria Handbook

17.1 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). Landscape plans may be a component set of plans (see CPCH Chapter 13, Section 13.1), or be prepared independently. Projects with minor landscaping may include these features on separate sheets in the roadway plans set or features may be detailed on the roadway plans sheets. When prepared as component plans, they shall be assembled as a separate plan set complete with a key sheet, tabulation of quantities 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 can include the following:

1. Key Sheet
2. Tabulation of Quantities
3. Planting Sheets
4. Irrigation Layout
5. Details Sheet
6. Other relevant plan sheets as required Pay Items Notes, General Notes or Maintenance Notes and Schedules.

The components should be listed on the Roadway Key Sheet under the “Components of Contract Plan Sets” heading.

17.2 STANDARD FILE NAMES

Florida Department of Transportation (FDOT) utilizes standard naming conventions for all of its files. Automation implemented in various tools provided by FDOT depends on this naming conventions being met. More importantly, the naming convention confers data information to the downstream customers.

Standard file names should follow this format: **AAAABB##.ext**

Where **AAAA** = *abbreviated file description*, **BB** = *Discipline Denotation*, **##** = *Sequence number*.

Note Please see CADD Production Criteria Handbook (CPCH) Chapter 4 for more information.

The following table defines the Landscaping File Name Standards in regards to FDOT Projects with the understanding that each file name will include sequential numbering. If the need arises to create a file that is defined by another discipline chapter, use the first 4 characters of the standard file name and append the Landscape filename designation (LD), followed by file sequence numbers. An example is topold01.dgn.

File Type	File Name	Model Name	File Description	Rule File	Seed File	Critical File
Borders & Sheets	BDPLLD.dgn	Default	Border Sheet Reference File for Plan Sheet	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Borders & Sheets	GNNTLD.dgn	Default	General Notes	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Borders & Sheets	PLANLD.dgn	Default	Plan Sheets	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Borders & Sheets	PLAYLD.dgn	Default	Project Layout Sheet	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Clip Borders	CLIPLD.dgn	Default	Clipping Borders	cliprd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Clipping	MTPLLD.dgn	Default	Motif File for Plan Sheets	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Clipping	MTPRLD.dgn	Default	Motif File for Profile Sheets	plprrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Existing Topography	TOPOLD.dgn	Default	Topography - Existing	topord.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Key Sheets	KEYSLD.dgn	Default	Key Sheet	keysht.rul	\$(MX_SEEDIR)fdotseedkeymap.dgn	
Proposed Design	DSGNLD.dgn	Default	Proposed Landscape Design (Planting)	dsgnld.rul	\$(MX_SEEDIR)fdotseed2d.dgn	X
Proposed Design	HSDTLD.dgn ¹	Default	Hardscape details	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Proposed Design	IRRGLD.dgn	Default	Proposed Irrigation Design	irrgld.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Proposed Design	TMOTLD.dgn	Default	Technical Maintenance Plan	dsgnld.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Proposed Grading	GRDTLD.dgn	Default	Proposed Grading	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Special Details	DETLDD.dgn	Default	Details	spdtrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Summary Boxes/ Tables	CESSLD.dgn	Default	Summary of Pay Items	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	
Summary Boxes/ Tables	TABQLD.dgn	Default	Tabulation of Quantity Sheets	planrd.rul	\$(MX_SEEDIR)fdotseed2d.dgn	

¹ Hardscape Design files will use the same symbology standards as the Landscape Design file.

17.3 RESOURCE FILES

Engineering/CADD Systems Office (EC SO) provides standard resource files for Computer Aided Design and Drafting (CADD) Landscape Plans, which use MicroStation, GEOPAK and other approved FDOT software to produce an electronic project data delivery. If a custom line style or font is needed, it must either be embedded in the active design file or the corresponding resource file must be copied to the \SYMB sub-directory of the FDOT project directory structure and included as part of the electronic delivery of the project. The justification for the non-standard line style or font must be noted in the journal file. These resources are found at the main EC SO website:

<http://www.dot.state.fl.us/ecso/downloads/software/default.shtm>

17.4 ENGINEERING DATA

Engineering Data to be delivered with each project should be located in the `...\eng_data` directory and include:

- ASCII files containing Q/C reports
- PostScript files of each sheet in the plan set.

The PostScript files are to be plotted from the MicroStation design files containing the sheets. The PostScript files located in the `...\eng_data` directory are the files to be Signed & Sealed.

17.5 PROFESSIONALS' ELECTRONIC DATA DELIVERY SYSTEM (PEDDS)

PEDDS shall be used to Secure and Authenticate project data. When projects are received, the FDOT authenticates the data on the delivered CD. Each time data is transmitted to or received by FDOT the data shall be secured and authenticated. PEDDS shall also be used to authenticate any project specific data received as part of a delivery from an outside source or discipline. For example, an electronic delivery to Roadway from Survey or EMO should be secured and authenticated. Roadway shall electronically secure all files for delivery.

17.6 SYMBOLOGY STANDARDS

FDOT Standard Level Libraries define the FDOT CADD Symbology Standards for each Discipline with the associated ByLevel Color, ByLevel Line Style, and ByLevel Line Weight symbology. Designers are to use these standards to assign each element within FDOT CADD design files. These levels and symbology are grouped and translated into FDOT Standards Rule Files utilized for Quality Control to check compliancy of each FDOT standard design file to the FDOT CADD Standards.

The Standard File Names for the Landscape discipline with associated Rule Files are found in Section 17.2 of this chapter.

Note Refer to Chapter 3 (Resource and Support Files) of this document for more details and complete listing of Rule Files with associated Levels/Symbology information.

17.7 QUALITY CONTROL

Quality Control (QC) of the graphics files that are required with the project delivery is the responsibility of the data producer. FDOT supplies the QC Software as an aid to check for compliance of filenames and symbology standards with Department standards as defined in this chapter. The Registered Landscape Architect (RLA) must provide quality control of plans and electronic file deliverables, as outlined in the FDOT's CADD Manual, Topic No. 625-050-001 and the Plans Preparation Manual (PPM), Topic No 625-000-008. These resources, in conjunction with district and project scope requirements, shall form the basis for contract plans format and assembly.