

LaDOTD CADD Standards CADconform Basics – January 1, 2013

LaDOTD designers and consultant partners use CADconform to ensure quality and consistency for DOTD plan features. CADconform is the lynchpin for DOTD Plan QA/QC.

First load and license the software. Then open the CADconform menu, which is on the MicroStation Main Menu. This menu provides access to several important help files and web pages. After installing this major release, first review *LaDOTD Plan Delivery_Transition Guide* and *LaDOTD CAD Standards Help*. Then browse the menu to find other useful documentation.

CADconform Toolbox

User Manager: This tool is used by administrators to create new users and manage user settings and security (as needed).

- User Manager provides two “seed” user profiles, “dotd admin” and “dotd user”. The password for the *dotd user* profile is “user”. The default password for the *dotd admin* profile is “admin”. Use the “New” command to create new user profiles for your site (if needed). Tip: First highlight a seed profile to copy default settings to a new profile.

Feature Table Manager: Enables DOTD discipline administrators to create standard discipline-specific menus of features that are used for drafting and checking DOTD plans. It is also useful for designers needing to identify features in design and review feature functionality.

Draft: Enables designers to draft plans using the standard DOTD feature table menus.

Conform: Used somewhat like a spell checker to check and fix drawing features.

Batch Processor (Generate Reports): Includes functions used to certify, generate reports and execute batch processes on drawings.

Reports: Creates reports about drawing features, errors and watermarks.

Certify: Affixes a drawing’s “DOTD CAD Standard” certification stamp in the upper left border margin area. Certify once the Conform tool finds drawings 100% compliant.

CADconform Drawing Feature Categories and Disciplines

LaDOTD provides CADconform features to ensure that drawings conform to standards and can be certified LaDOTD CAD standard compliant. Drawing feature categories are as follows:

- Features used to draft using MicroStation or AutoCAD.
- Features used to cover drawing elements produced by applications such as Inroads. Inroads produces road design plan-profiles, cross sections, and electronic surveys.
Note: DOTD allows Inroads to be run on the MicroStation platform only.

LaDOTD provides CADconform feature tables for the various DOTD disciplines in the respective *Resources* download for MicroStation and AutoCAD. *Configuration* files include discipline-specific CADconform settings. Additionally, standard drawing template (seed) files are “branded” with default “allowed” feature tables. Use *Tools>Update Feature Tables* to update branding of allowed feature tables. Feature tables that are not allowed for the current *Workspace Project* will result in alert messages when you open a drawing.

Drawing Certification

Evidence of conformance to drawing standards is provided by the “LADOTD CAD Standard” stamp affixed outside of the left borderline of drawings during the certification process. This stamp is tested for authenticity by DOTD.

AutoCAD drawings must be translated to MicroStation format before certification and delivery. This translation must be performed in MicroStation using mapping tables provided in the *MicroStation Resources* workspace.