

Workflow MP 7 - Printing AutoCAD Files in MicroStation

This document guides you through printing AutoCAD files in MicroStation.

Workflow Outline

Open an AutoCAD File in MicroStation - To ensure that the printed AutoCAD file matches printed MicroStation files, the AutoCAD file is printed from MicroStation.

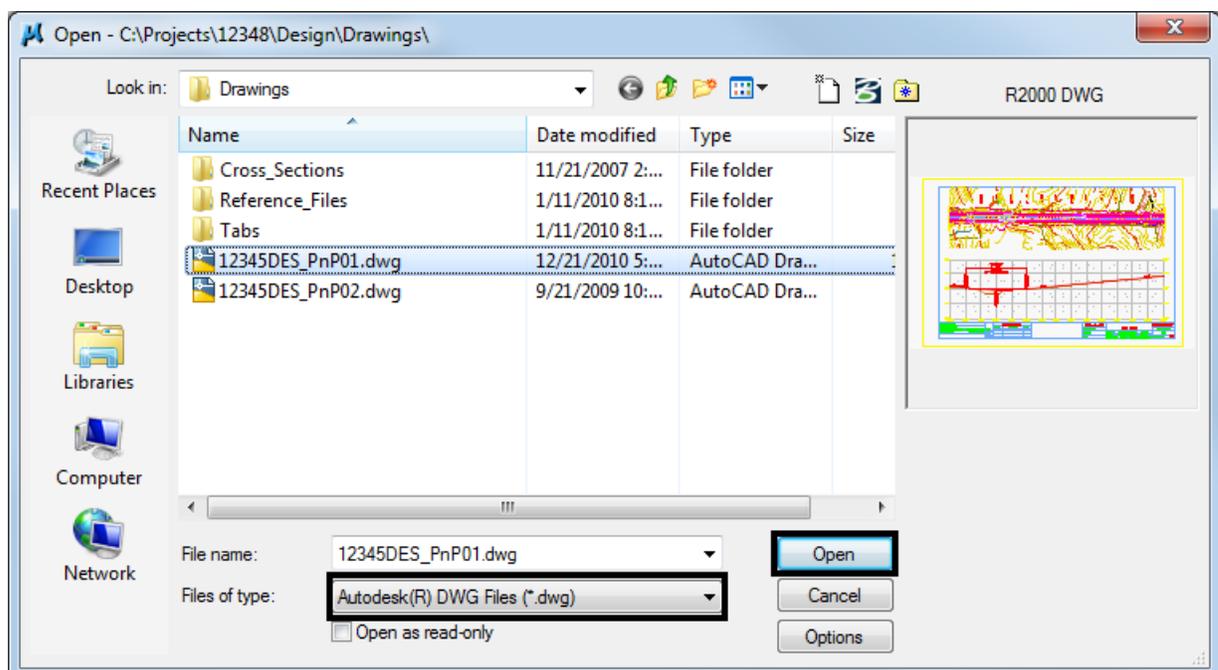
- ◆ **Commands Used: File > Open** - Used to access the MicroStation Manager dialog box. From there, the AutoCAD file is opened.
- ◆ **DWG/DXF Units** - This sets the units for the AutoCAD file to match MicroStation units.

Print the File - There are two items that need to be set before sending the file to the printer; the printer driver and the pen table.

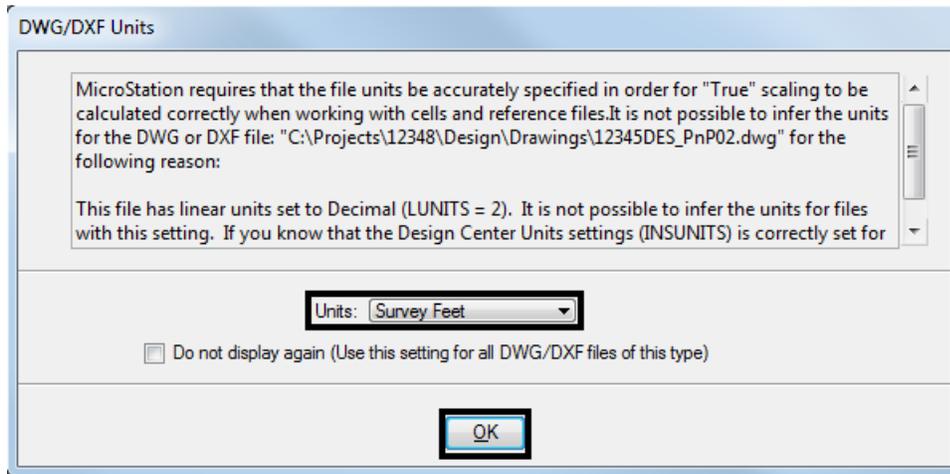
- ◆ **Commands Used: Print** - Used to access the Print dialog box.
- ◆ **Printer Driver** - Used to select the proper driver for the desired print type.
- ◆ **Pen Table > Attach** - Used to attach the CDOT_ACAD.tbl pen table.
- ◆ **Send Print** - Used to submit the file to the drawing to the printer (or file for a pdf).

Opening an AutoCAD file in MicroStation

1. From the **Open** dialog, select an AutoCAD (*.dwg) drawing file. Change **Files of Type** to **Autodesk(R) DWG Files (*.dwg)** to view all the AutoCAD files residing in the specified directory. Select a file and <D> **Open**.

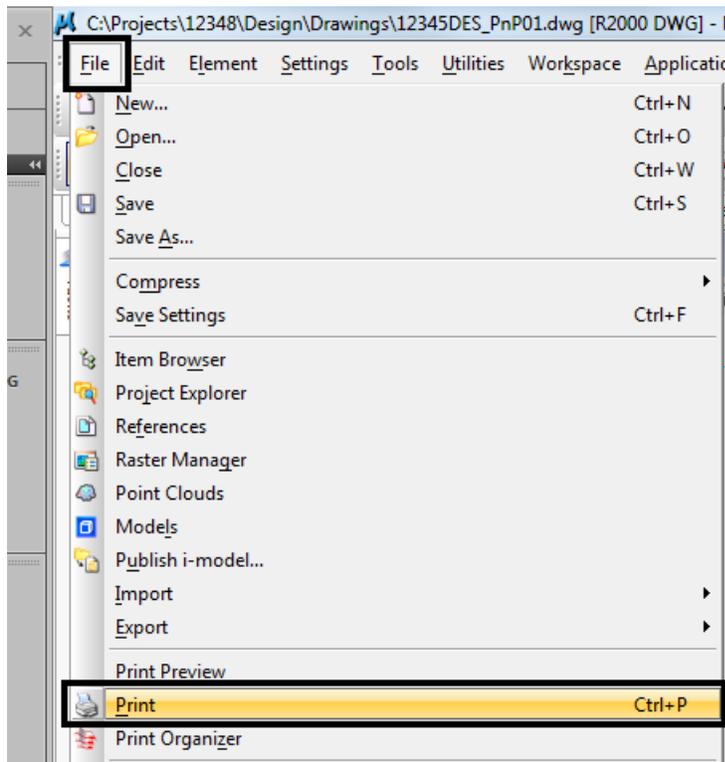


- The DWG/DXF Units dialog box will appear. Verify the Units are set to **Survey Feet** and <D> OK.



Note: If the AutoCAD drawing file contains the **WWW** PICS linestyle then change these elements and place them on the standard CDOT MicroStation Level called **ROW_MONUMENT_City-Limit-Line-Text** and update to use bylevel symbology.

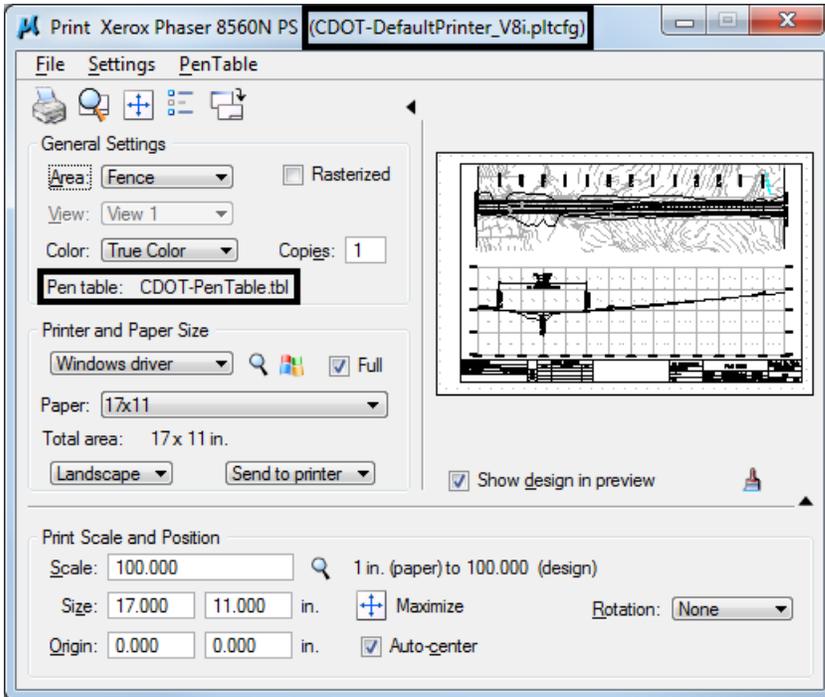
- Select File > Print to open the Print dialog box.



- Optionally, <D> the printer icon on the **Standard Tool Bar**.

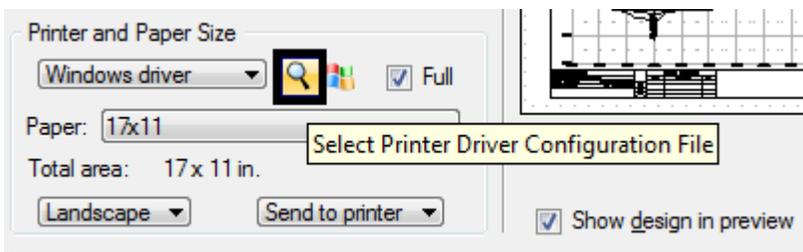


- The current **Printer Driver** will display in the title bar at the top of the **Print** dialog box and the current **Pen Table** is displayed under the **General Settings** area.



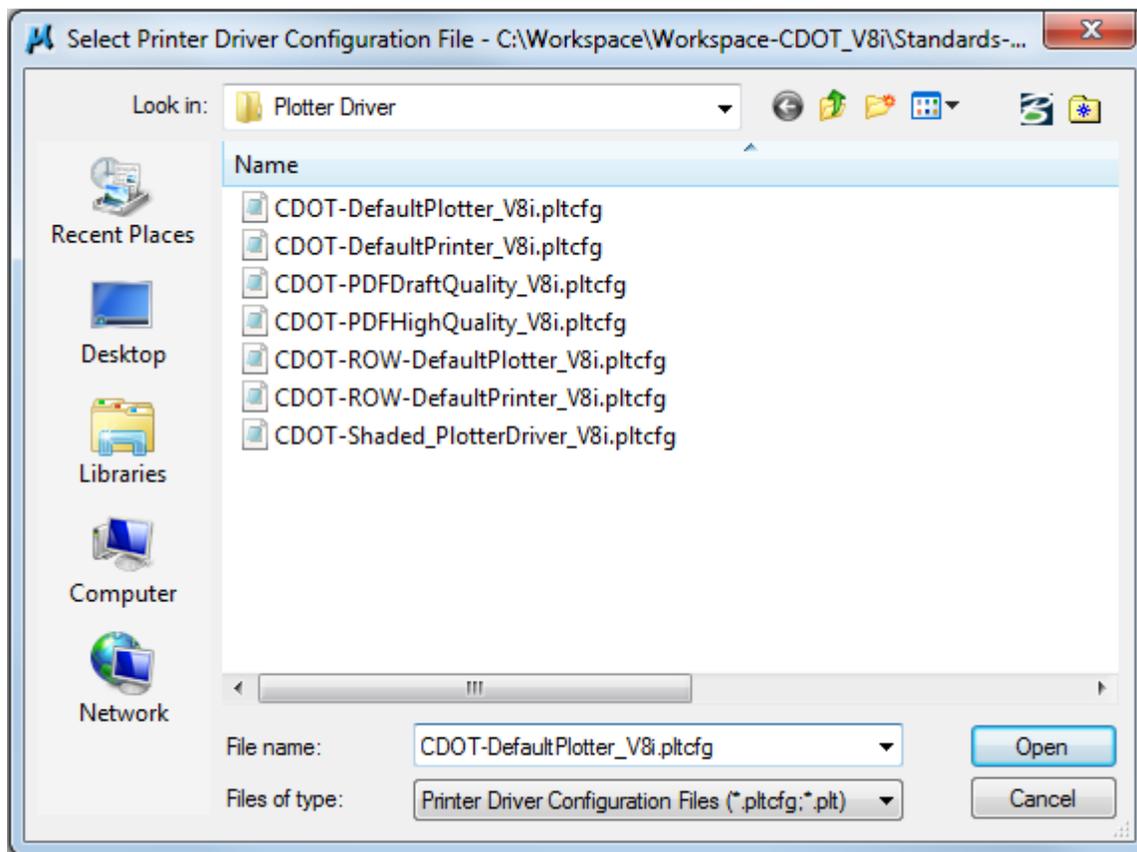
Note: If you are printing Sheet Layouts, *Print Scale and Size* settings will update automatically. If you are printing from a Model Layout set the scale as desired. For more information or additional printing questions, see the workflow document *CDOT Workflow MicroStation Printing*.

- The default Printer Driver is *CDOT-DefaultPrinter_V8i.pltcfg* and the default Pen Table is *CDOT-PenTable.tbl*. To change the Printer Driver, <D> the magnifying glass located under **Printer and Paper Size**.

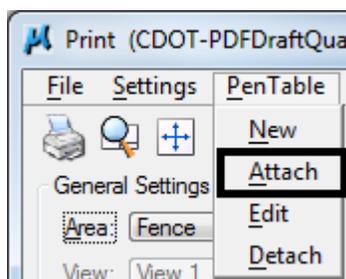


- Seven printer drivers are available in the... **Microstation\Plotter Driver** directory.
 - CDOT-DefaultPrinter_V8i.pltcfg* should be used to send plots to the default printer.

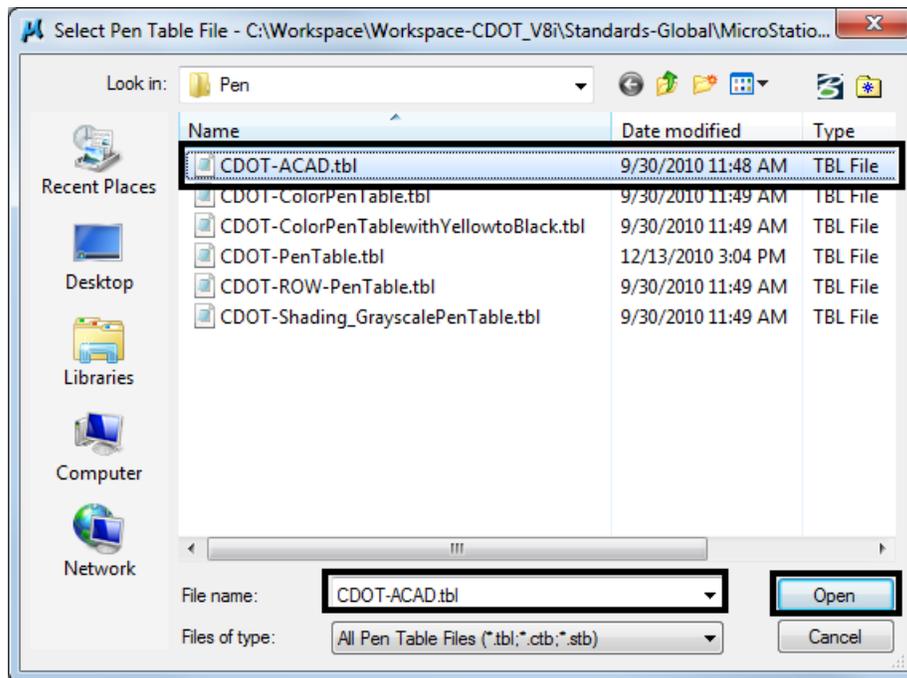
- *CDOT-DefaultPlotter_V8i.pltcfg* should be used to send plots to the default plotter.
- *CDOT-PDFDraftQuality_V8i.pltcfg* should be used for the creation of draft quality (300psi) Adobe PDF files.
- *CDOT-DPDFHighQuality_V8i.pltcfg* should be used for the creation of high quality (600psi) Adobe PDF files.
- *CDOT-Shaded_PrinterDriver_V8i.pltcfg* should be used for MicroStation drawings only.
- *CDOT-ROW-DefaultPlotter_V8i.pltcfg* should be used to send ROW plots to the default plotter.
- *CDOT-ROW-DefaultPrinter_V8i.pltcfg* should be used to send ROW plots to the default printer.



8. For printing AutoCAD files, change the Pen Table. Select **PenTable > Attach** from the pull-down menu.



9. Select the **CDOT_ACAD.tbl** Pen Table. The other options are for printing MicroStation Files only. <D> Open.



Note: The **CDOT-ACAD.tbl** includes the standard colors and pen weights represented in the **CDOT Design Manual - Volume IV, Section 6.2.8**. If the standard colors were not used, the printout will contain actual colors or a grey scale representation of that color. To get a correct print out, the user must update the file to match the **CDOT Design Manual**.

10. Once everything has been set, <D> the print  icon. This will send your plot to the designated printer.

11. If you selected the *CDOT_PDFDraftQuality_V8i.pltcf* or *CDOT_PDFHighQuality_V8i.pltcf* printer driver to create an Adobe PDF file, you will be prompted to define a file name and a location to save the PDF file.

