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

 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.



2. 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 **WWWW** 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.
- 3. Select File > Print to open the Print dialog box.

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



5. 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.

Print Xerox Phaser 8560N PS (CDOT-DefaultPrinter_V8i.pltcfg) File Settings PenTable Pont	
General Settings Area Fence Rasterized Mew: View 1 Color: Color: True Color Copies:	
Pen table: CDOT-Pen Table tbl Printer and Paper Size Windows driver Image: Total area: 17x11 Total area: 17x 11 in.	
Landscape Send to printer Show design in preview	•
Scale: 100.000 Q 1 in. (paper) to 100.000 (design) Size: 17.000 11.000 in. Image: Maximize Rotation: None Origin: 0.000 0.000 in. Image: Auto-genter Image: Auto-genter	

- **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*.

Printer and Paper Size	
Paper: 17x11 Select Printer Driv	er Configuration File
Total area: 17 x 11 in. Landscape Send to printer	Show design in preview

- 7. 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.

🕺 Select Printer Driver Configuration File - C:\Workspace\Workspace-CDOT_V8i\Standards								
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	File name:	CDOT-DefaultPlotter_V8	i.pltcfg		-	Open		
	Files of type:	Printer Driver Configuration	on Files (*	pltcfg;*.plt) -	Cancel		

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



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

K Select Pen Table File - C:\Workspace\Workspace-CDOT_V8i\Standards-Global\MicroStatio							
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	CDOT-ColorPenTablewithYellowtoBlack.tbl	9/30/2010 11:49 AM	TBL File				
Desktop	CDOT-ROW-PenTable.tbl	9/30/2010 11:49 AM	TBL File				
Libraries	CDOT-Shading_GrayscalePenTable.tbl	9/30/2010 11:49 AM	TBL File				
Computer							
	•		+				
Network	File name: CDOT-ACAD.tbl	•	Open				
Files of type: All Pen Table Files (*.tbl;*.ctb;*.stb)							

- *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 ^{Sol} icon. This will send your plot to the designated printer.

11. If you selected the *CDOT_PDFDraftQuality_V8i.pltcfg* or *CDOT_PDFHighQuality_V8i.pltcfg* 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.

Save Print As - C:\Projects\12345\Plot_Sets\								
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	Save as type:	Print Output Files (*.*)	•	Cancel				