CDOT Printing AutoCAD Files in MicroStation



This document guides you through printing AutoCAD files in MicroStation.

Opening an AutoCAD file in MicroStation

 From the MicroStation Manager, open an AutoCAD (*.dwg) drawing file. Change List Files of Type to *AutoCAD Drawing Files* (*.dwg) to view all the AutoCAD files residing in the specified directory. Select a file and <D> OK.

📕 MicroStati	on Manager				×
Look in	AutoCAD		💽 🧿 🦻 🔛	• 📋 🚰 💽	R2004 DWG
	Name A	Date modified	Type Type S Autodesk Design	ize -	
Recent Places		1/20/2009 012		1,51510	
Desktop					
CDOT User					
Computer					1
Network					
	File name:	Bridge_Example.dwg	•	Open	User: CDOT User 💌
	Files of type:	AutoCAD Drawing Files ((*.dwg)	Cancel	Project: 12345
		Open as read-only		Options	Interface: CDOT

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

N DWG/DXF Units)
MicroStation V8 requires that the file units be accurately specified in order for "True" scaling to be calculated correctly when working with cells and reference files.It is not possible to infer the units for the DWG or DXF file: "C:\CDOT\Sample Files\AutoCAD\Bridge_Example.dwg" for the following reason: The "Design Center Units" option has been selected, but Design Center units are not specified in this file.	
Illuits: Survey Feet	
Do not display again (Use this setting for all DWG/DXF files of this type)	
<u>O</u> K	

- **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.



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



Note: If the print dialog box does not show up or is black when opened, close and reopen it. This will fix the problem.

4. 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 SURVEY-HP8100-PS (CDOT-DefaultPringer_XM.pltcfg)	×
File Configuration Settings Area: Fence Image: Color: True Color:<	
Iotal area: I/X I'In. Landscape ▼ Send to printer ▼ Image: Send to printer ▼ Image: Show design in preview	_
Scale and Position Q 1 in. (paper) to 1.0000 (design) Size: 17.000 11.000 in. ++ Maximize Rotation: None Origin: 0.000 in. 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 MicroStation Printing*.
- The default Printer Driver is *CDOT-DefaultPrinter_XM.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.



- 6. Five printer drivers are available in the ...\MicroStation\Plotter Driver directory.
 - *CDOT-DefaultPrinter_XM.pltcfg* should be used to send plots to the default printer.
 - *CDOT-DefaultPlotter_XM.pltcfg* should be used to send plots to a CDOT plotter.
 - *CDOT-PDFDraftQuality_XM.pltcfg* should be used for the creation of draft quality (300psi) Adobe PDF files.
 - *CDOT-PDFHighQuality_XM.pltcfg* should be used for the creation of high quality (600psi) Adobe PDF files.
 - *CDOT-Shaded_PrinterDriver_XM.pltcfg* should be used for MicroStation drawings only.

📕 Select Prin	ter Driver Conf	iguration File - C:\\	Workspace	Works	pace-CDO	ſ_XM\St ×
Look in:	Plotter Driver		-	G 💋	i 📂 🛄 -	S 🖲
Recent Places	Name V Ty CDOT-Shaded CDOT-PDFHig CDOT-PDFDra CDOT-Default	pe PlotterDriver_XM.pltcfg Quality_XM.pltcfg Printer_XM.pltcfg Plotter_XM.pltcfg Plotter_XM.pltcfg	9			
	File name: Files of type:	CDOT-Shaded_Plotter	rDriver_XM.ph ation Files (*.p	tcfg ltcfg;*.plt	•) •	Open Cancel

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

File Configuration Setti	ngs <u>P</u> enTable
A D F = R	New
	<u>A</u> ttach
- General Settings	Edi+ 1
Area: View 🔻	Detach
<u>V</u> iew: <u>View</u> 1 ▼	Toront
Pen Table: CDOT-Pen	Tabletor
Copies: 1 Color:	Full color 🛛 🔫

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

📕 Select Pen	Table File - C:\	Workspace\Workspace-	CDOT_	_XM\Sta	ndards-G	lobal\Mi 🗙
Look in:	📔 Pen		•	G 🦻	• 🖭 👏	S 🖲
Recent Places Desktop CDOT User CODT User Computer Network	CDOT-ACAD. CDOT-ColorP CDOT-ColorP CDOT-ColorP CDOT-PenTa CDOT-ROW-1 CDOT-ROW-1 CDOT-Shadin	tbl enTable.tbl enTablewithYellowtoBlack.tbl ble.tbl PenTable.tbl Ig_GrayscalePenTable.tbl			•	
	File name: Files of type:	CDOT-ACAD.tbl Pen Table Files (*.tbl)			•	Open Cancel

- **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**.
- Once everything has been set, <D> the print icon. This will send your plot to the designated printer.
- If you selected either the *CDOT-PDFDraftQuality_XM.pltcfg* or *CDOT-PDFHighQuality_XM.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.

Jave Print As - C:\Projects\23442\Plot_Sets\							
Save in:	Plot_Sets		•	G 🤌	ب	S 🗈	
Recent Places Desktop Dosktop CDOT User Computer Network	Name A Da	te ▼ Type	FIR FIR ROWPR	+			
	File name: Save as type:	090052PNP6.pdf All Files (*.*)			•	Save Cancel	