



PDF Publishing

Starting ProjectWise Plot Organizer

1. Start Microstation, select the project you wish to plot from and enter any file within that project
2. From the Bar Menu go to <<MDF, then CTDOT_Utilites.mdf
3. From the CTDOT_Uilities.mdf menu, select *Plotting* and *Start PW Plot Org*

Creating a New Plot Set

4. Make the following selection from the "Welcome" dialog, see **Figure Error! No text of specified style in document.-1 Welcome Dialog**



Figure Error! No text of specified style in document.-1 Welcome Dialog

5. From the Create Plots dialog, click "Add" and Browse to the correct Project and folder to locate the files for plotting
6. Click "Browse" within the *Settings File Name:* and Select "00_CTDOT.set". The path should be defaulted to the "\\CTDOT_v8_workspaces\CTDOT_Standards\lplot\settings\" folder. This file is used to locate plots within both a Design Model (Contract Cross Section Sets) and a Contract Sheet Model (Highway Cut Sheet). Then click OK. See **Figure Error! No text of specified style in document.-2 Create Plots.**

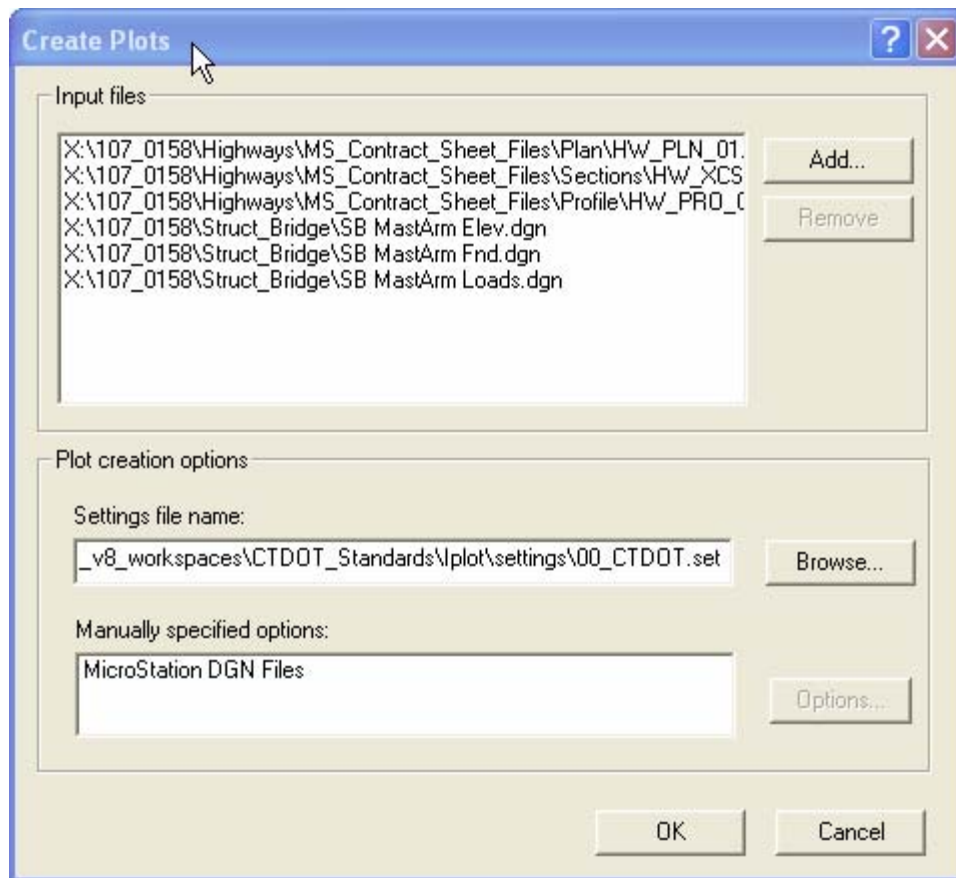


Figure Error! No text of specified style in document.-2 Create Plots

7. From **Figure Error! No text of specified style in document.-3 Plot List** below, see the list of plot files generated from the six Microstation Files. Notice the five sheet models that were located and eleven cross sections with a plot area designated as a fence. For a total of 16 plot files.

The screenshot shows the 'ProjectWise Plot Organizer' window with a table of plot data. The table has five columns: Plot Name, File, Model, View Group, and Plot Area. The data is as follows:

Plot Name	File	Model	View Group	Plot Area
hw_pln_01	hw_pln_01.dgn	ct_plot_sheet	ct_plot_sheet views	sheet
hw_xcs_rt188	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1881	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1882	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1883	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1884	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1885	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1886	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1887	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1888	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt1889	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_xcs_rt18810	hw_xcs_rt188.dgn	3d design	3d design views	fence
hw_pro_01	hw_pro_01.dgn	ct_plot_sheet	ct_plot_sheet views	sheet
sb mastarm elev	sb mastarm elev.dgn	ct_sheet	ct_sheet views	sheet
sb mastarm fnd	sb mastarm fnd.dgn	ct_sheet	ct_sheet views	sheet
sb mastarm loads	sb mastarm loads.dgn	ct_sheet	ct_sheet views	sheet

Below the table, a status bar indicates: '- no elements matching the search criteria were found. USEVIEW, A view will be used as the plot area.'

Figure Error! No text of specified style in document.-3 Plot List

Data Mining (Extracting the Drawing Numbers)

A Custom VBA program was developed jointly with CTDOT and Bentley Inc. that will mine the data from the plot files to the Plot Set dialog. Future development will allow automated sorting of plot files based on their drawing numbers.

Select all Plot Files and click CT DOT Tools/ Mine Data. The program will silently open and extract the drawing numbers from each plot. This process allows proper sorting of plot files for Adobe PDF development along with automated bookmarking.

Note: This process will only work if the Title Block tags have been used within the Microstation files.

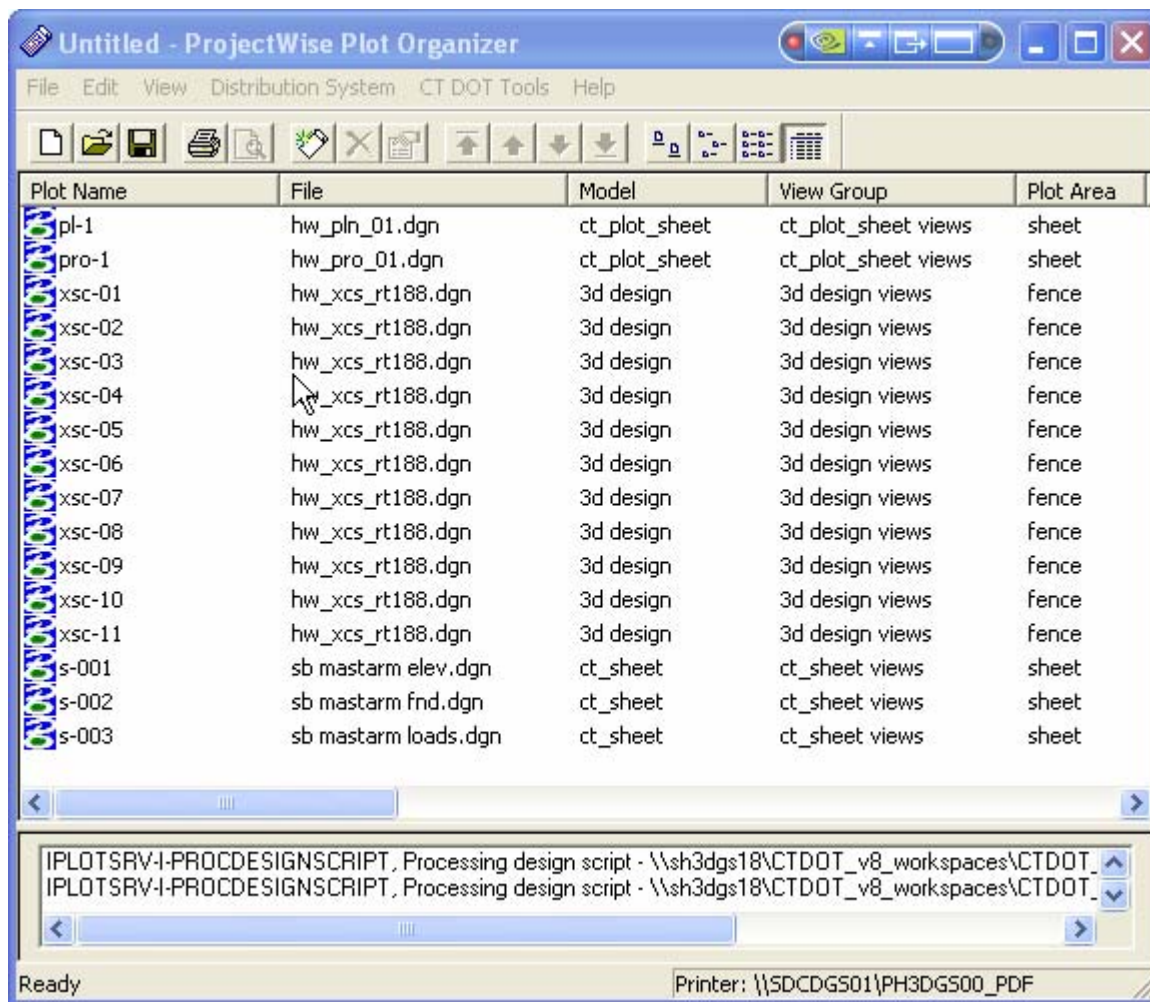


Figure Error! No text of specified style in document.-4 Mined Drawing Numbers

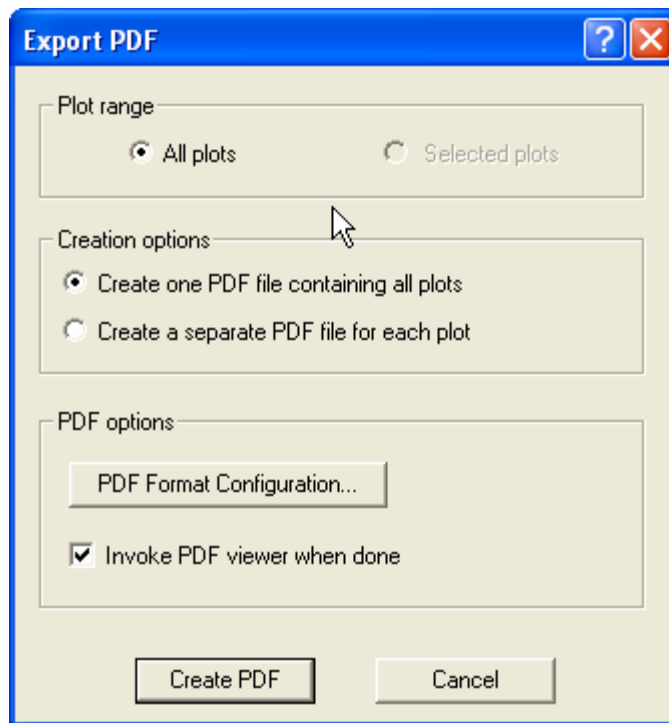
Output Options (PDF, Paper or Mylar)

At this point the Plot Set can be saved to the Project Container for future retrieval.

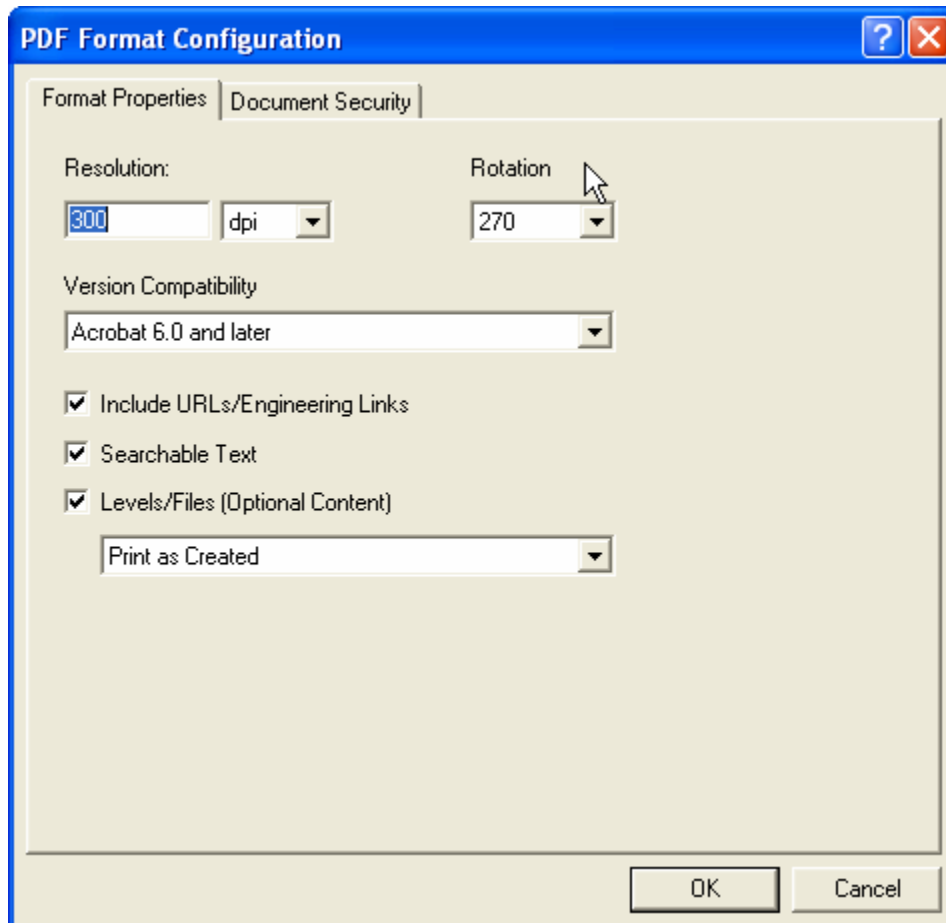
ProjectWise Plot Organizer allows for many output options. The complete set or selected plots can be printed to an Adobe PDF set, or to any Bentley configured print queue. For configurations of Bentley configured print queues, contact Bentley Systems Inc.

Adobe PDF Publishing of Plot Sets

1. From ProjectWise Plot Organizer, select File\Print Setup and select the virtual PDF Printer. For Outside CTDOT this will be PDF_OUTPUT, and inside CTDOT it is PH3DGS00_PDF. This will cause an associated PDF_OUTPUT .set or PH3DGS00_PDF.set to run and apply appropriate settings to the plot set.
2. From ProjectWise Plot Organizer, select File\Export PDF and configure as shown below:



3. Select PDF Format Configuration and configure as shown below and click OK.:

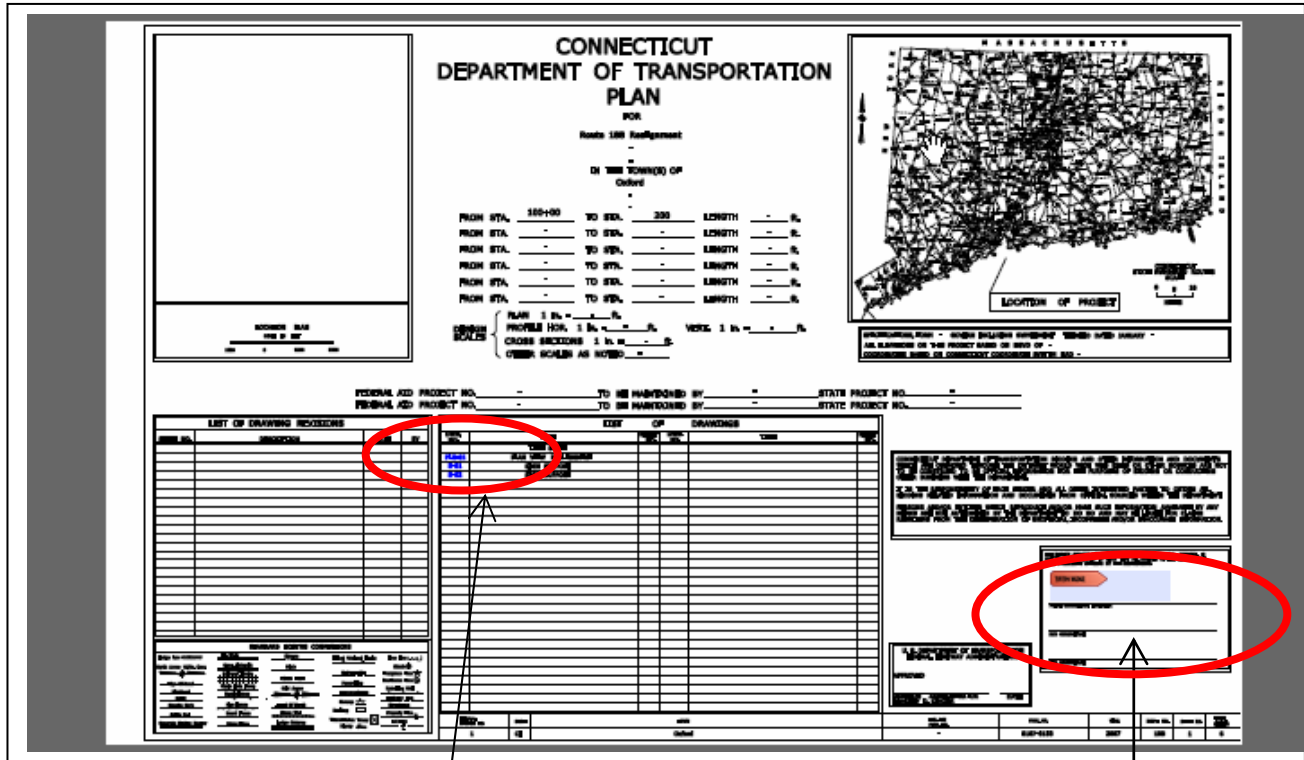


4. Click "Create PDF" and select location for PDF file.

5/29/2007

Adobe PDF Output

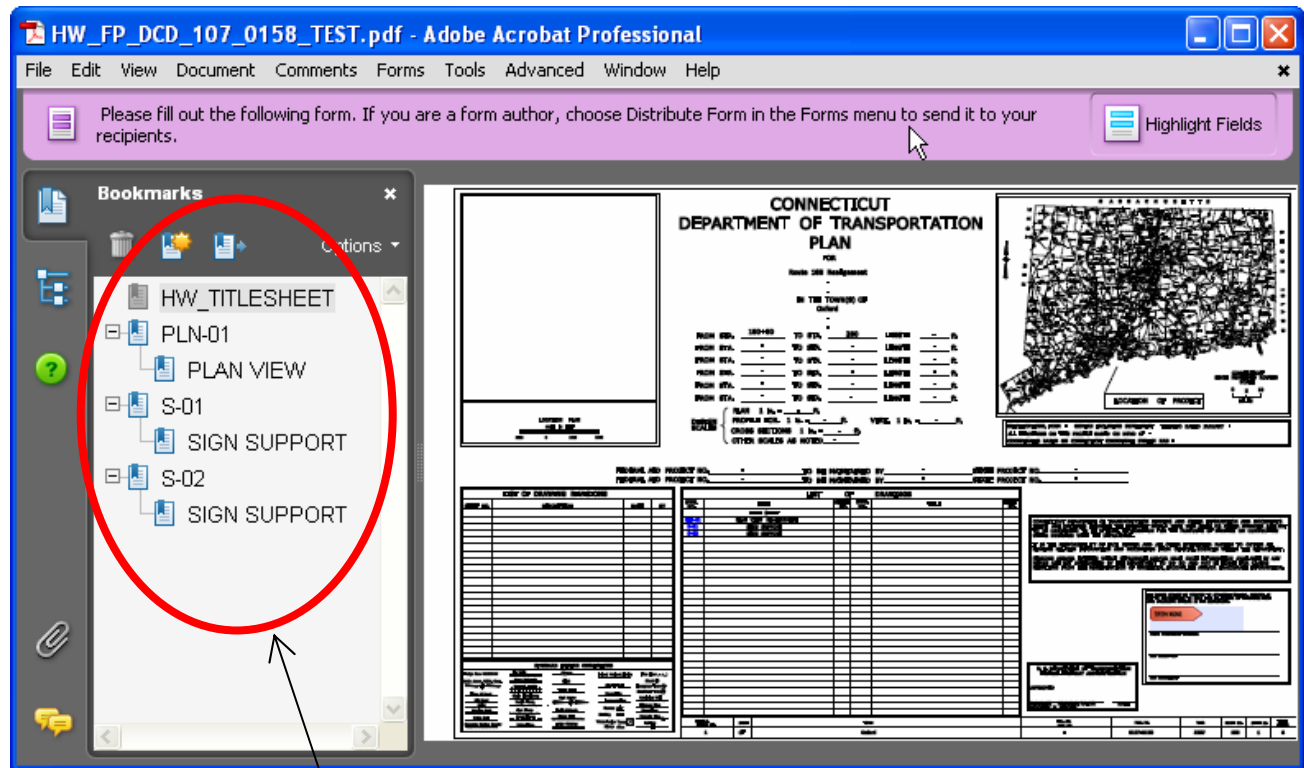
When using CTDOT's DDE with PDF output, the generated output has numerous automated enhancements due to the title block tags and design scripts. Those enhancements are as follows:



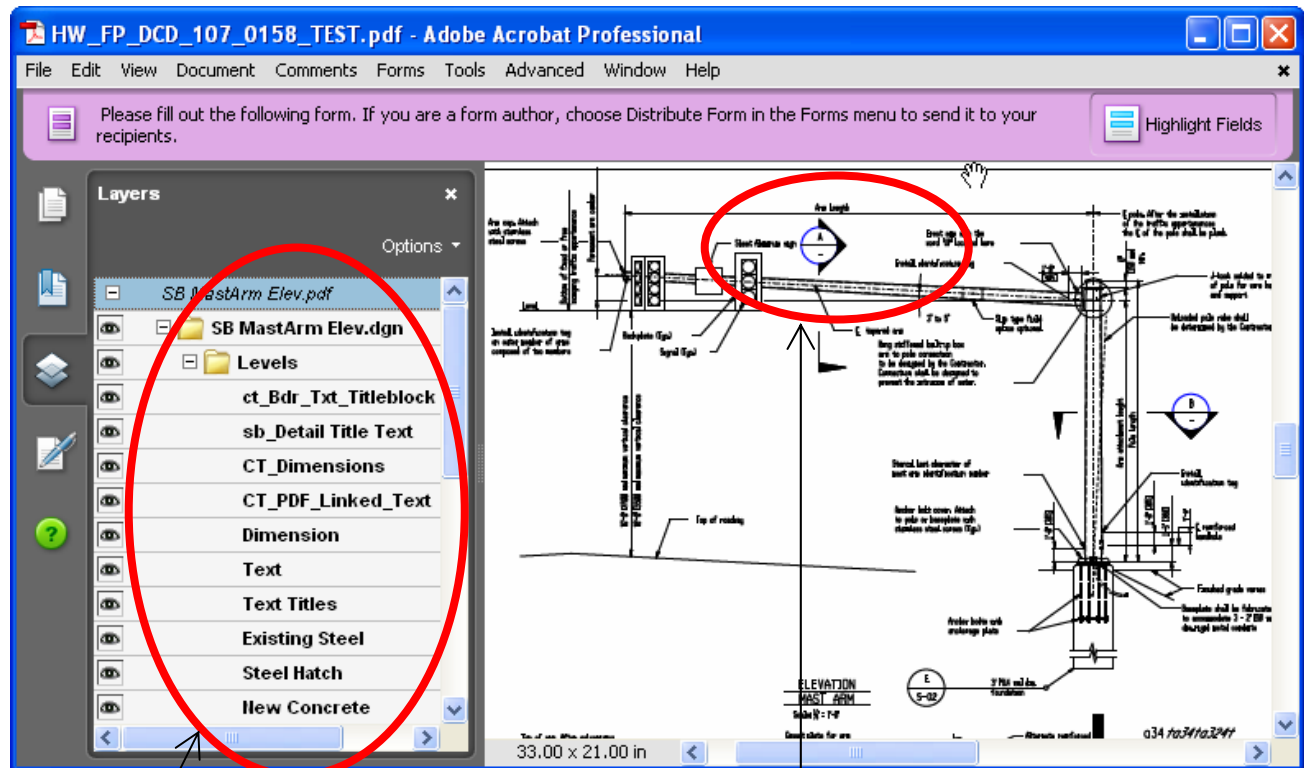
Automated Digital Signature Fields

Automated Drawing Number
Hyperlinks

5/29/2007



Automated Bookmarks of Drawing Numbers and Drawing Titles



Automated Layer Naming and On/Off Display Control

Automated Call-Out Hyper-linking