InterPlot Organizer

InterPlot Organizer is used to create sets of plots from MicroStation design files. The **InterPlot Organizer** program is run separately from MicroStation.

For information concerning the use of InterPlot Organizer for the production of PDF plan sets refer to documentation file **CreatingPDFsfromDGNs.pdf**.

Layout Plot Sheets

1. To start InterPlot Organizer, from the Windows Start bar go to

    Start> All Programs> Bentley> ProjectWise InterPlot Utilities> ProjectWise InterPlot Organizer

    or in MicroStation from the **TDOT Design Division** tool strip, **Plotting** tool box, click the **ORG** icon.


Note: There must be a plotter queue attached as a printer for InterPlot Organizer to open. See plotter queues list for each office at the end of this document. Contact your local helpdesk if you need assistance attaching the plotter queues.
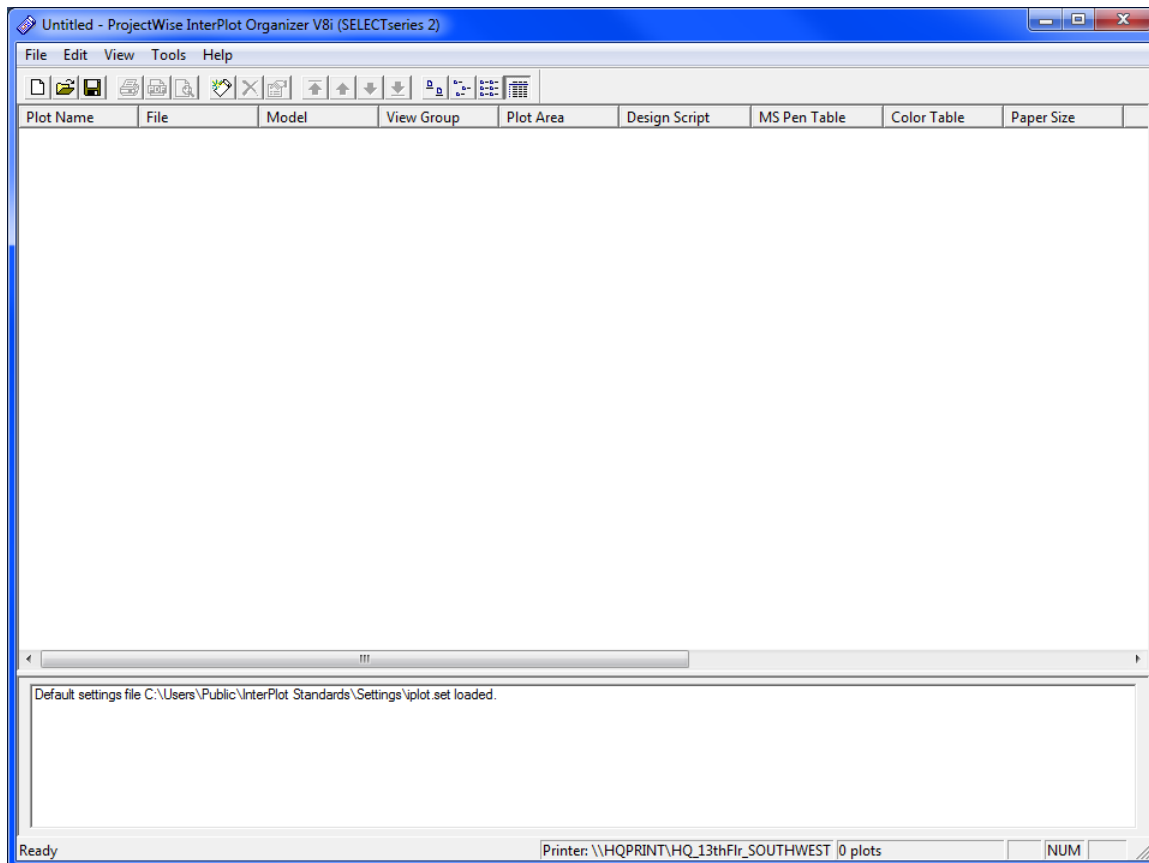
When InterPlot Organizer is first started the Welcome dialog is opened, if not disabled previously, offering the chance to create a new plot set or to open an existing one.


2. Select the **Create** option in the Welcome dialog and click **OK** or use the drop down option **File> Create Plots**.

3. In the **Create Plots** dialog go to **Add**
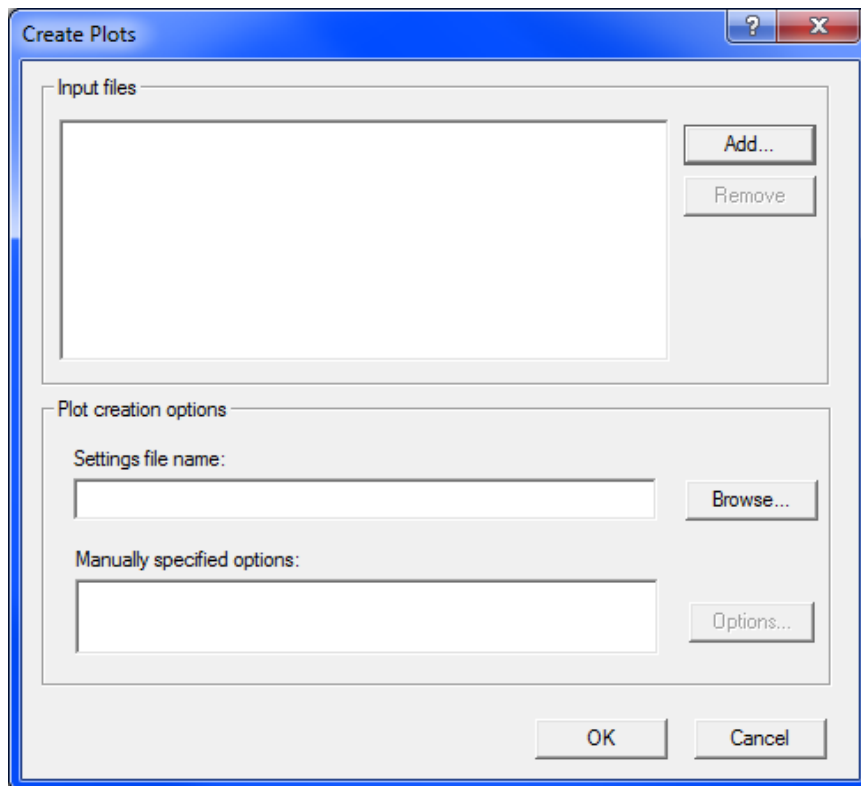
4. Navigate to your project folder. Only ***.sht** files will be showing unless the 'Files of type:' is changed. (Any file which will be used to plot from should have the file extension of ***.sht.** See **CADDV8.pdf, Design DGN Project Filenames,** for details on naming plotting files.)

5. Select the layout sheet design files for plotting and then click **Open**.
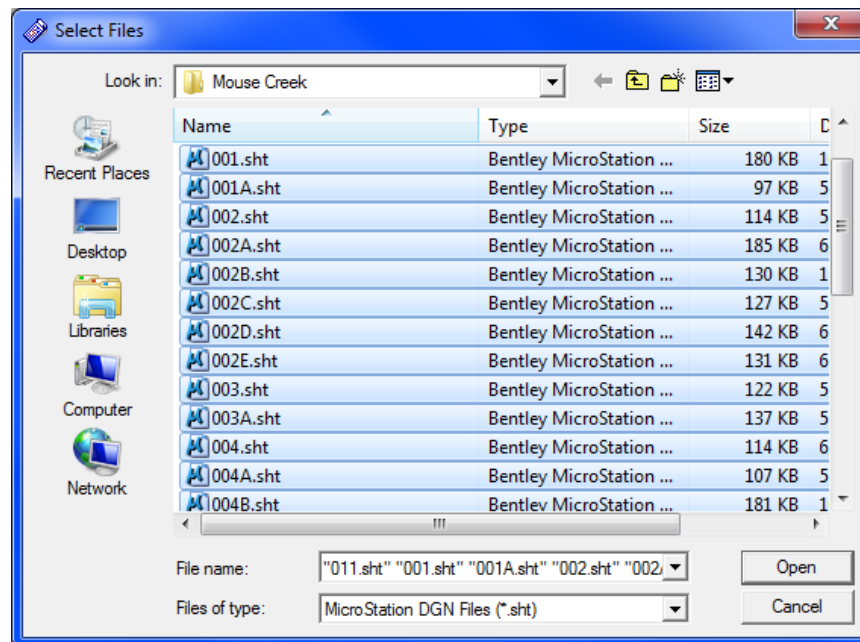
6. Set the **Settings file name**. In the Create Plots dialog click **Browse**
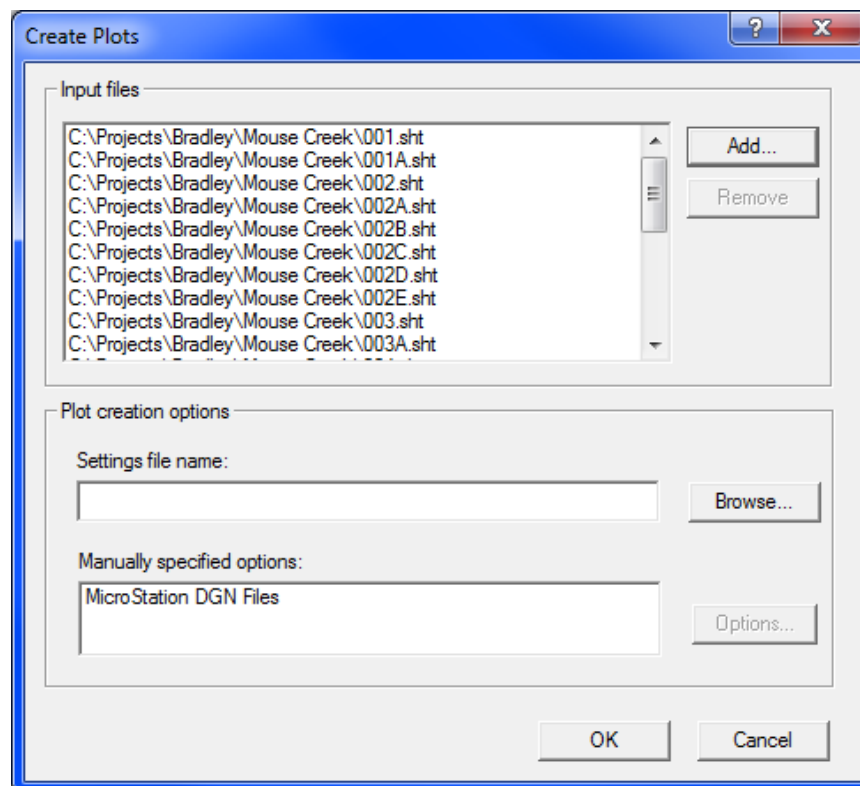
7. Find the organizer settings file for the type of plot set to be created. The settings files are in the **C:\Users\Public\InterPlot Standards\settings** folder, which should open by default. The settings files used for Iplot in MicroStation will not work correctly. Only use settings files that begin with **Org** or **Pdf** which are set up for use with InterPlot Organizer. When you have selected the desired settings file, click **Open**.
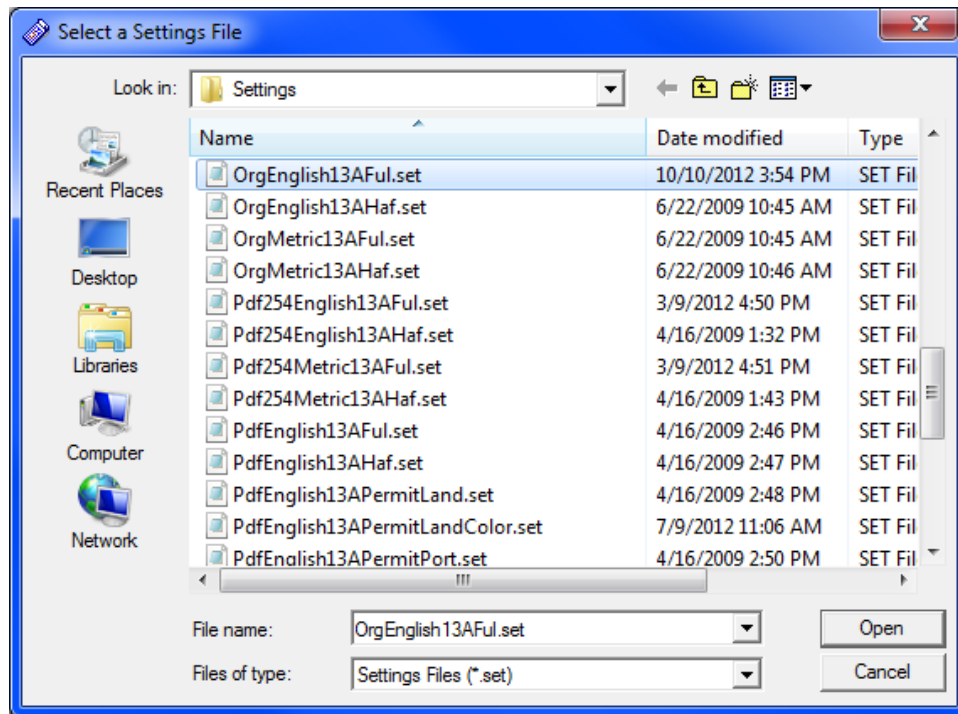
These files will create one plot for each shape on levels **DESIGN - SHEET - Plot Shapes** or **DESIGN - SCRATCH - User 1** and color **254** (or color 253 for default PDF document production). Plot shapes are part of the TDOT sheet borders. The levels shown for each plot will be taken from view one of the design file. The settings file assigns plotter queue, sheet size, design script, and view attributes.

InterPlot Organizer Settings Files

OrgEnglish*Ful.set – sizes the plot shape to 34", uses the full-size English design script, irp336.ful and assigns the plot queue for the 34" paper roll on the local Xerox 6050A plotter.

OrgEnglish*Haf.set – sizes the plot shape to 17", uses the half-size English design script, irp336.haf and assigns the plot queue for the 17" paper roll on the local Xerox 6050A plotter.

OrgMetric*Ful.set – sizes the plot shape to 34", uses the full-size Metric design script, irp336m.ful and assigns the plot queue for the 34" paper roll on the local Xerox 6050A plotter.

OrgMetric*Haf.set – sizes the plot shape to 17", uses the Metric half-size design script, irp336m.haf and assigns the plot queue for the 17" paper roll on the local Xerox 6050A plotter.

PdfEnglish*Ful.set – For the production of a PDF document from regular plan sheets. Sizes the plot shape to 21" (vertically), uses the English full-size design script, PDF.FUL**,** 0 rotation and no paper size. It assigns the 34" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

PdfEnglish*Haf.set – For the production of a PDF document from regular plan sheets. Sizes the plot shape to 10.5" (vertically), uses the English half-size design script, PDF.HAF**,** 0 rotation and no paper size. It assigns the 17" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

PdfEnglish*PermitLand.set – For the production of black & white PDF pages from permit maps or sketches in a landscape orientation. Sizes the plot shape to 8.35" (vertically), uses the English full-size design script, PDF.ful**,** 0 rotation and no paper size. It assigns the local Xerox 6050A plotter.

PdfEnglish*PermitLandColor.set – For the production of color PDF pages from permit vicinity maps in a landscape orientation. Sizes the plot shape to 8.35" (vertically), uses the English full-size design script, PDFColor.ful**,** 0 rotation and no paper size. It assigns the local HP T1300 color plotter.

PdfEnglish*PermitPort.set – For the production of black & white PDF pages from permit maps or sketches in a portrait orientation. Sizes the plot shape to 10.85" (vertically), uses the English full-size design script, PDF.ful**,** 0 rotation and no paper size. It assigns the local Xerox 6050A plotter.

PdfEnglish*PermitPortColor.set – For the production of color PDF pages from permit maps or sketches in a portrait orientation. Sizes the plot shape to 10.85" (vertically), uses the English full-size design script, PDFColor.ful**,** 0 rotation and no paper size. It assigns the local HP T1300 color plotter.

PdfEnglish*XSFul.set – For the production of a PDF document from cross section sheets. Sizes the plot shape to 21.25" (vertically), uses the English full-size design script, PDF.FUL**,** 0 rotation and no paper size. It assigns the 34" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

PdfEnglish*XSHaf.set – For the production of a PDF document from cross section sheets. Sizes the plot shape to 10.625" (vertically), uses the English half-size design script, PDF.HAF**,** 0 rotation and no paper size. It assigns the 17" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

The following settings files should not be used for plans created after January 2006.

Pdf254English*Ful.set – For the production of a PDF document from plan sheets which use old MicroStation J sheet borders with only color 254 plot shapes. Sizes the plot shape to 34" (horizontally), uses the English full-size design script, PDF.FUL**,** 0 rotation and no paper size. It assigns the 34" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

Pdf254English*Haf.set – For the production of a PDF document from plan sheets which use old MicroStation J sheet borders with only color 254 plot shapes. Sizes the plot shape to 17" (horizontally), uses the English half-size design script, PDF.HAF**,** 0 rotation and no paper size. It assigns the 17" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

Pdf254Metric*Ful.set – For the production of a PDF document from plan sheets which use old MicroStation J sheet borders with only color 254 plot shapes. Sizes the plot shape to 34" (horizontally), uses the Metric half-size design script, PDFM.Ful**,** 0 rotation and no paper size. It assigns the 34" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

Pdf254Metric*Haf.set – For the production of a PDF document from plan sheets which use old MicroStation J sheet borders with only color 254 plot shapes. Sizes the plot shape to 17" (horizontally), uses the Metric half-size design script, PDFM.HAF**,** 0 rotation and no paper size. It assigns the 17" paper roll on the local Xerox 6050A plotter in order to maintain the correct plot scale. The top and right margins will not be correct if plotted directly from InterPlot Organizer.

8. In the Create Plots dialog select **OK**
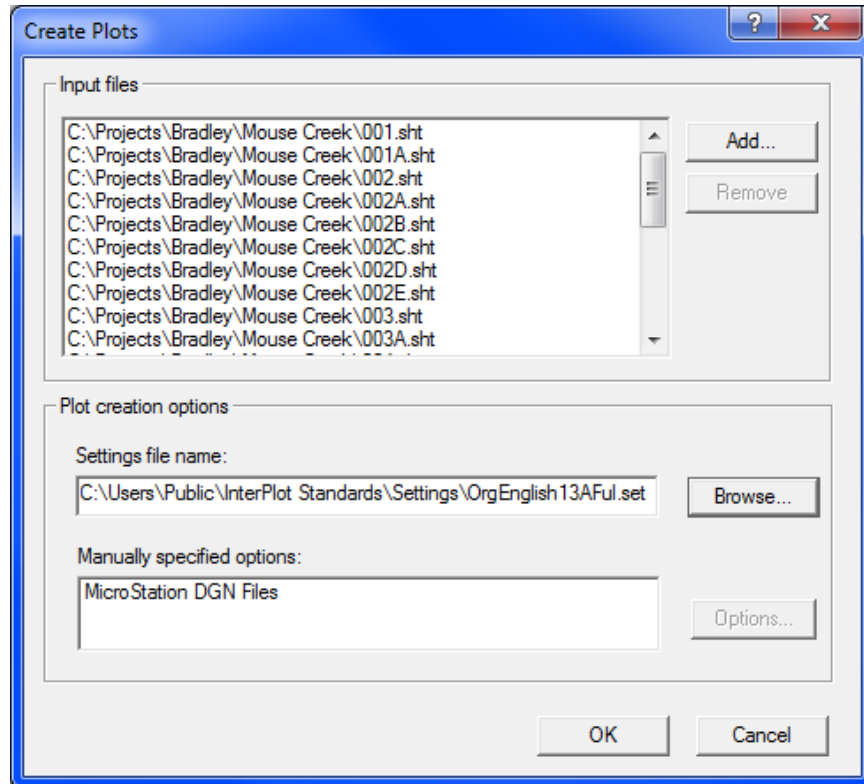
9. Select **Yes ...** to the message **"The settings file being applied contains a common section. Applying this section to the plot set will modify the attributes of the plot set. Do you wish to apply the common section to the plot set?"** The organizer settings files select a local plot queue and this message is referring to that plotter queue being for all of the plots in the plot set.
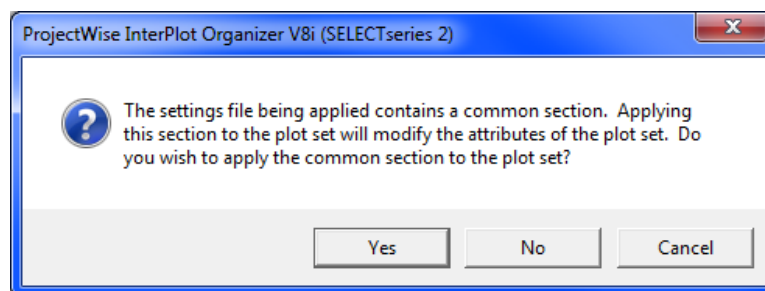
10. Sort plot sheets if needed.

If the layout sheet design files are named correctly, and if the plots are all created at the same time, the plot files will be sorted in the correct order. If the plots are created at different times, but are named correctly, they can easily be sorted to the correct order by clicking the **Plot Name** column header once.

11. Check the settings, including **Plot Area**, **Design Script**, **Scale** and **Size**. These should all be correct. The columns that do not contain information we use can be turned off or moved to the right out of the way by going to **View> Columns…**

Plot Area should specify **Fence** with a valid Scale value for the size of sheets you will be printing. A View value for the Plot Area means it did not find the plot shape. An incorrect Scale value with Fence for the Plot Area indicates a problem with either the Printer/Plot Queue specified or the size of the plot shape it found in the DGN. The Design Script file should indicate the desired full or half size application of line weights etc. Size will show you whether full or half size plots will be printed.

Very Important: Confirm that the correct **Printer/Plot Queue** name is set. See the bottom right hand of the dialog for the name or go to **File> Print Setup** or **File> Print.**

The plot files can be reviewed by using **File>Preview** or by plotting one or two sheets

It is possible to edit the plot file names and properties in InterPlot Organizer, but it **is not recommended**. As long as the sheet files are set up and named according to the directions, it is faster and easier to create a new plot set than to edit an existing one.
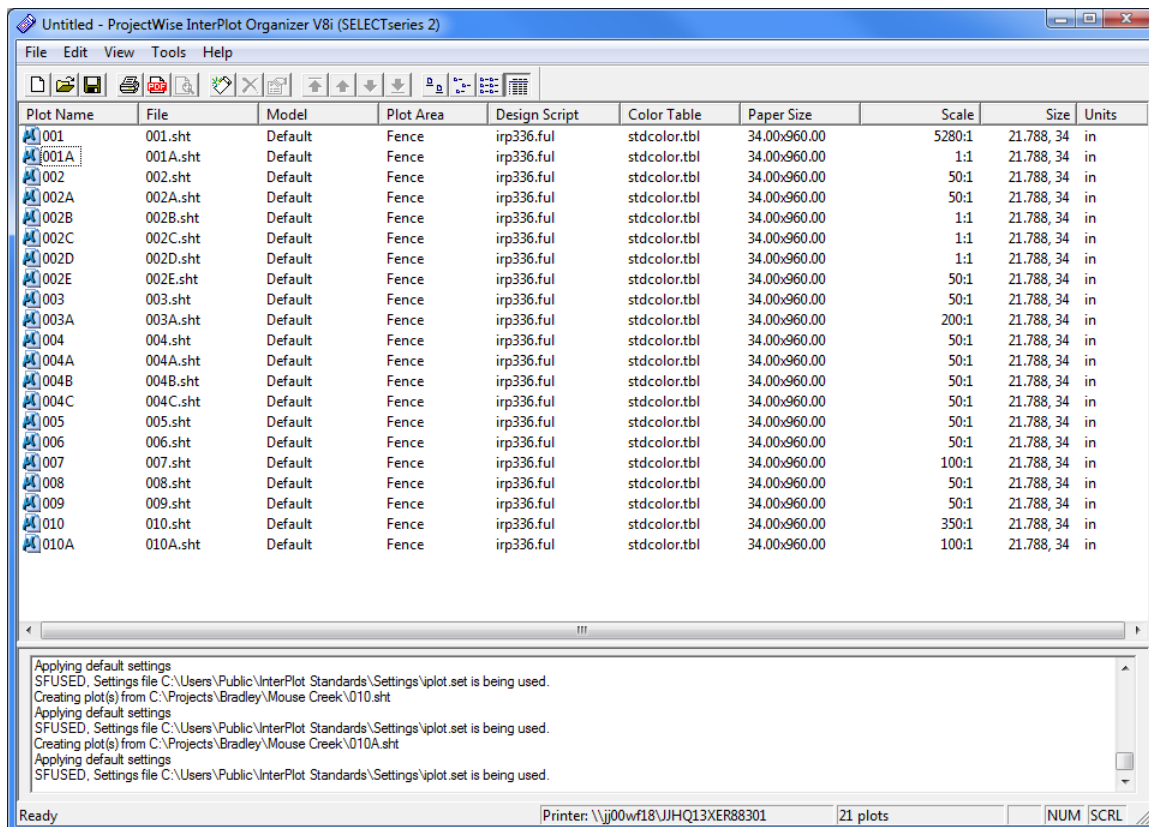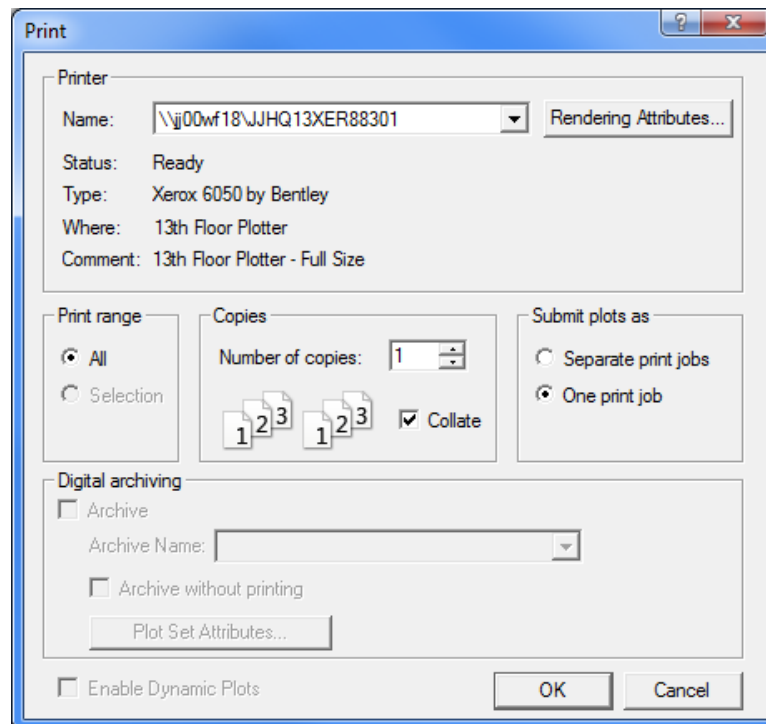
12. Save the InterPlot Organizer plot set file.

Go to **File>Save As,** save the InterPlot Organizer file to your project folder and give it a descriptive filename, such as Layouts-full.ips or mainlineXS-half.ips, etc.
Select **Save.**
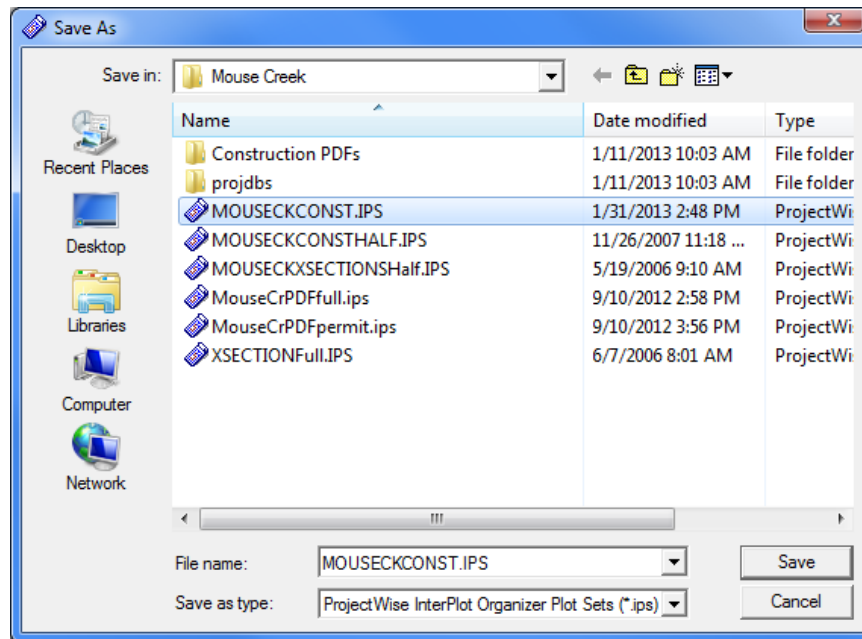
13. To print all of the plot files, select either none or all of the plot files, and go to **File>Print.** Select **One print job** and **Collate** to print the set in the correct order. If the plots are in the correct order in InterPlot Organizer, no sorting or rearranging should be needed of the final printed sheets. If more than one copy is selected, Organizer will print each set separately.
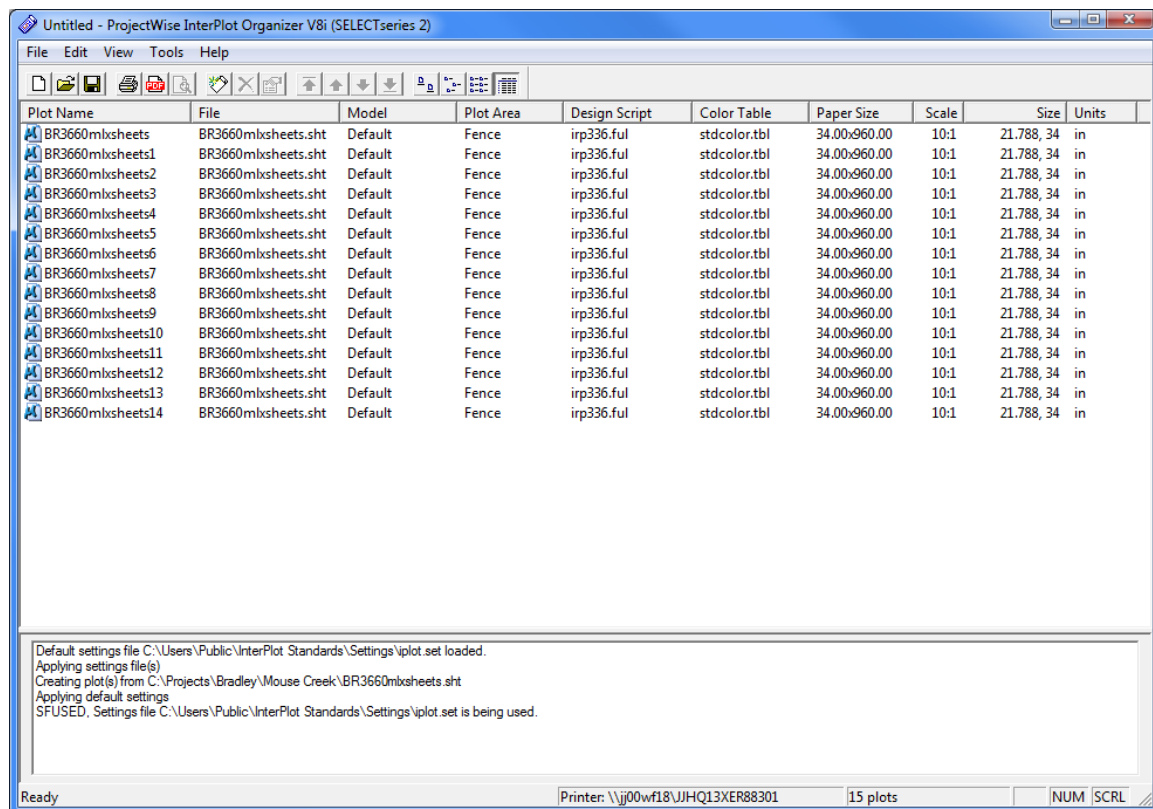
Cross Section Sheets

Warning:

Do NOT use the **Edit> Settings Files> Apply…** to change anything for the cross section sheets. When the settings file is applied from InterPlot Organizer, it processes each plot separately and reassigns each sheet to the first plot border. To check if this problem has occurred, print or print preview the first 3 or 4 sheets to make sure they are correct. If the properties (scale, design script, etc.) need to be different, **Edit> Properties** can be used. Depending on what needs to be changed, it is usually faster and more accurate to recreate the plot set using the appropriate organizer settings file.

Cross Section Plot Borders

The cross section plot files are created the same as the layout sheet plot files. The main difference with cross sections is that one file contains multiple sheets. InterPlot Organizer will create one plot for each plot shape in the cross section sheet file.

If InterPlot Organizer is <u>not</u> creating a plot for each sheet in your cross section sheet file, make sure you have completed Step 18 in Exercise 16, Cross Section Sheets, in the **TDOT GEOPAK Road Course Guide.pdf**. This step explains how to place the plot shapes using the MicroStation visual basic application on the **TDOT** pull down menu, **Cross Sections > Place and Annotate XS Sheets.** Use the **Plot Border** option to generate the required plot shapes. This function generates regular and PDF plot border shapes.

The plot shapes need to be placed separately in a cross section file because the cross section sheet borders are placed as shared cells and InterPlot Organizer does not read the plot shape from a shared cell.

Change the Cross Section Plot Names

After the project's index is completed and the cross sections have been given sheet numbers, the cross sections will need to be renamed so that the **Plot Name** in InterPlot Organizer will be the same as the number on the cross section sheet.

To rename the **Plot Name:**

1. Go to **Edit> Rename…**

2. Select **Number Plots,** enter the starting number for the cross section sheets and set the **Field Width** to **3.** Click **OK** to rename the plots**.**
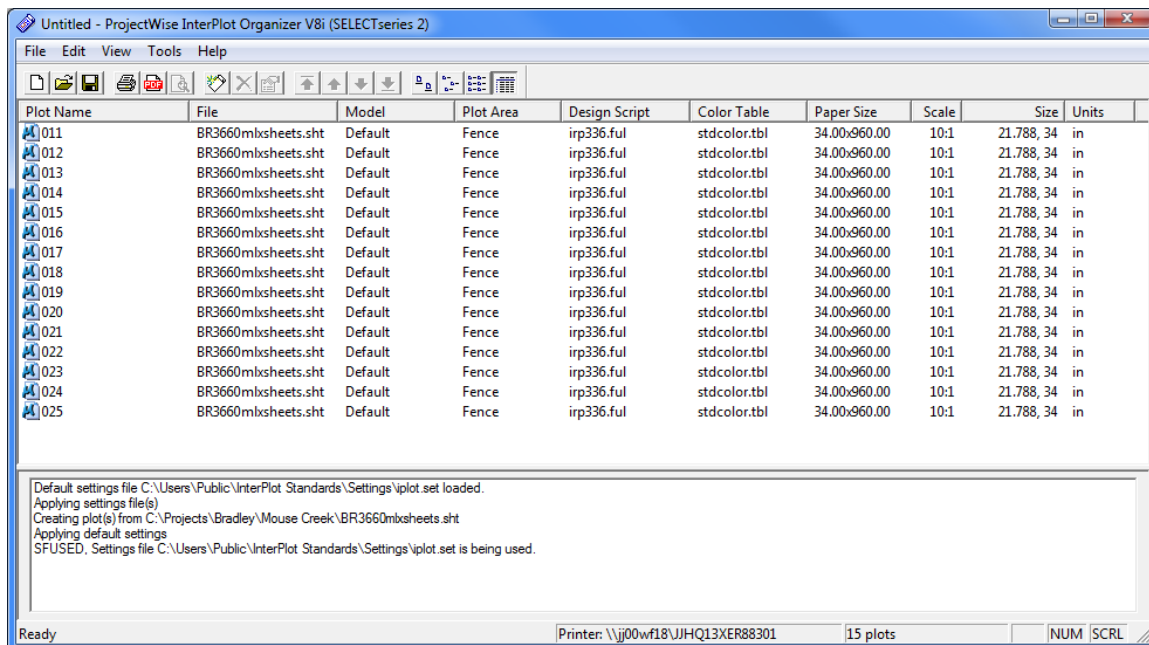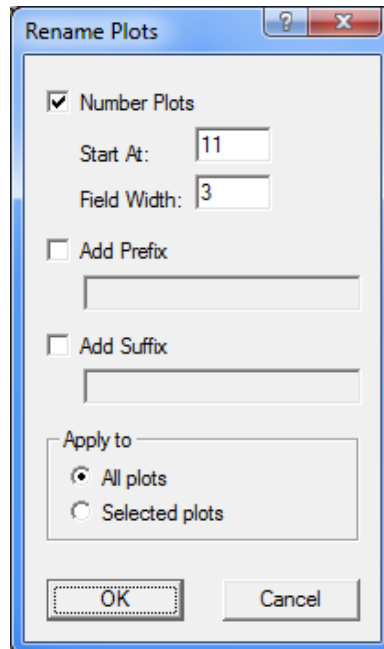
Design Division Plotter Queues for InterPlot

Headquarters:

12th Floor:

\\JJ00WF18\JJHQ12XER8830	12th floor, Black and white plotter, 34 inch bond
\\JJ00WF18\JJHQ12XER8830B	12th floor, Black and white plotter, 17 inch bond
\\JJ00WF18\JJHQ12XER8830C	12th floor, Black and white plotter, 34 inch mylar
\\JJ00WF18\JJHQ12HP1300RASTER	12th floor, Color plotter, 36 inch bond

13th Floor:

\\JJ00WF18\JJHQ13XER88301	13th floor, Black and white plotter A, 34 inch bond
\\JJ00WF18\JJHQ13XER88301B	13th floor, Black and white plotter A, 17 inch bond
\\JJ00WF18\JJHQ13XER88301C	13th floor, Black and white plotter A, 34 inch mylar
\\JJ00WF18\JJHQ09XER8830	13th floor, Black and white plotter B, 34 inch bond
\\JJ00WF18\JJHQ09XER8830B	13th floor, Black and white plotter, B 17 inch bond
\\JJ00WF18\JJHQ09XER8830C	13th floor, Black and white plotter B, 34 inch mylar
\\JJ00WF18\JJHQ13HP1300RASTER	13th floor, Color plotter, 36 inch bond

Region 1:

\\JJ01WF03\JJR1XER8830A	Black and white plotter, 34 inch bond
\\JJ01WF03\JJR1XER8830B	Black and white plotter, 17 inch bond
\\JJ01WF03\JJR1XER8830C	Black and white plotter, 34 inch mylar
\\JJ01WF03\JJR1HPT1300Raster	Color plotter, 36 inch bond

Region 2:

\\JJ02WF03\JJR2XER8830A	Black and white plotter, 34 inch bond
\\JJ02WF03\JJR2XER8830B	Black and white plotter, 17 inch bond
\\JJ02WF03\JJR2XER8830C	Black and white plotter, 34 inch mylar
\\JJ02WF03\JJR2HPT1300PSDESIGN	Color plotter, 36 inch bond

Region 3:

\\JJ03WF03\JJR3XER8830A	Black and white plotter, 34 inch bond
\\JJ03WF03\JJR3XER8830B	Black and white plotter, 17 inch bond
\\JJ03WF03\JJR3XER8830C	Black and white plotter, 34 inch mylar
\\JJ03WF03\JJ0319PDesign	Color plotter, 36 inch bond

Region 4:

\\JJ04WF03\JJR4XER8830A	Black and white plotter, 34 inch bond
\\JJ04WF03\JJR4XER8830B	Black and white plotter, 17 inch bond
\\JJ04WF03\JJR4XER8830C	Black and white plotter, 34 inch mylar
\\JJ04WF03\JJR4HPT1300CRasterCMYK	Color plotter, 36 inch bond