

# LAB 19 - Creating files and placing cells

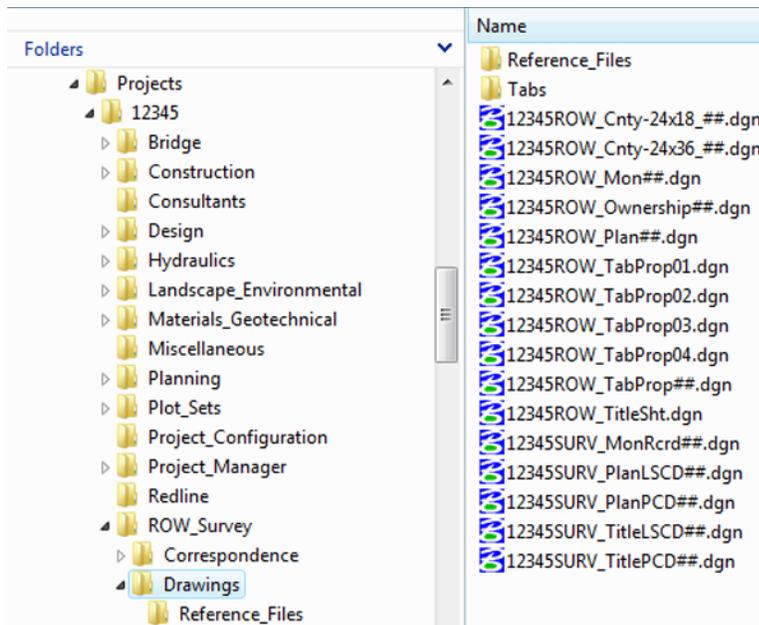
Regression analysis can be used to facilitate the development of horizontal alignments by creating a ‘best-fit’ alignment through defined points.

## Chapter Objectives:

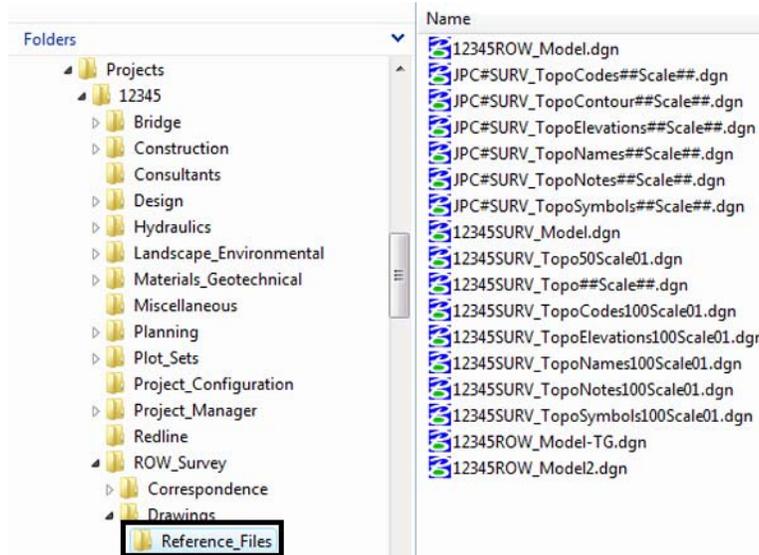
- Open MicroStation Title Sheet using CDOT CDOT User workspace
- Place RLS Stamp at correct scale for Title Sheet

Standard sheets for Survey and ROW plans were copied into the project directory for use in training. Prior to beginning, use *Windows Explorer* or *My Computer* to review the training directory contents.

Navigate to **C:\Projects\12345\ROW\_Survey\Drawings**



## C:\Projects\12345\ROW\_Survey\Drawings\Reference\_Files

**MicroStation Operation**

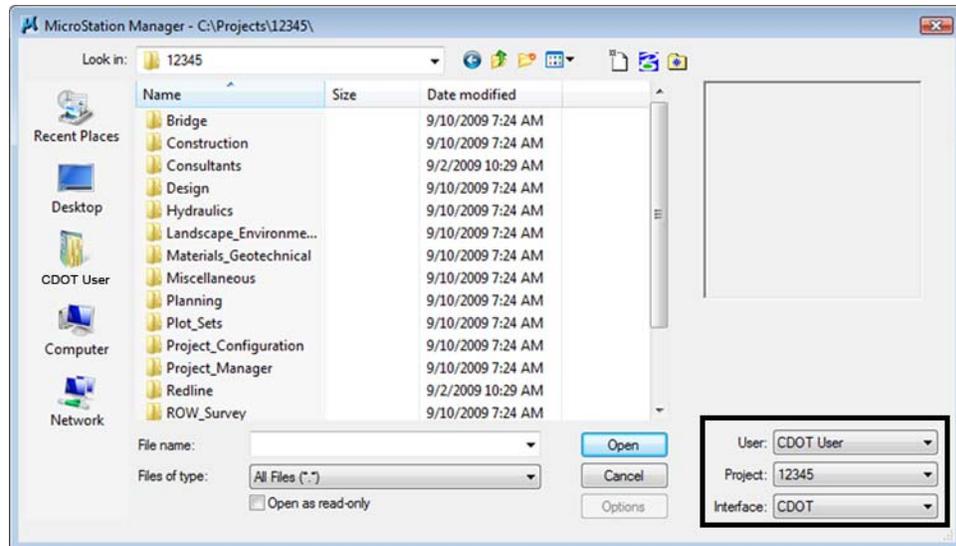
There are three easy methods to **Start MicroStation**

- Choose **Start > All Programs > Bentley > MicroStation V8 XM > MicroStation V8 XM Edition** and MicroStation will start and allow you to choose the design file, once the design file opens InRoads can be loaded as needed.
- Choose the Desktop icon for MicroStation if one is available on your machine. MicroStation will start and display the MicroStation Manager interface.
- If Windows Explorer is open, <D> <D> on a \*.dgn file will launch MicroStation.



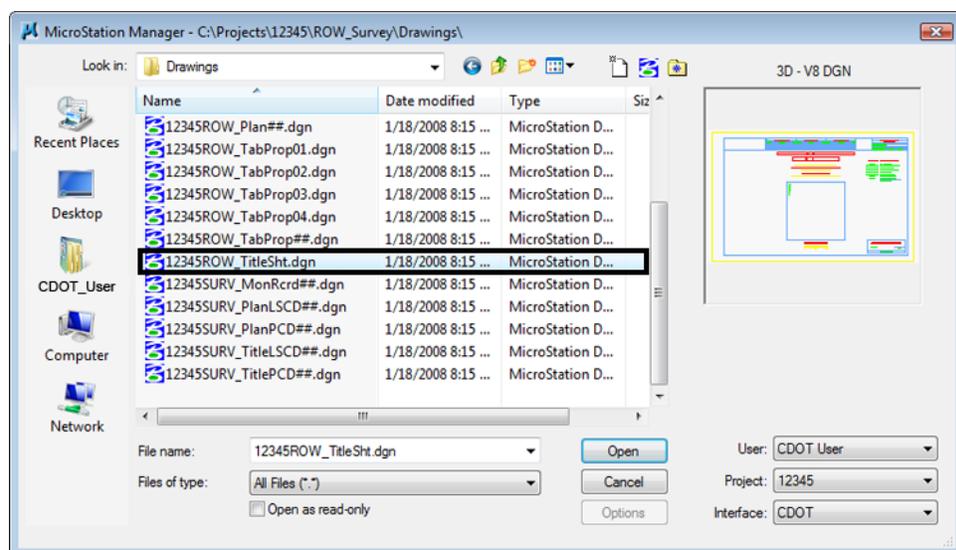
Use one of the above methods to start MicroStation.

1. In the **MicroStation Manager** dialog box, go to the **Workspace** group section and change the **User** field to **CDOT USER**, the **Project** field to **12345** and the **Interface** field to **CDOT**.

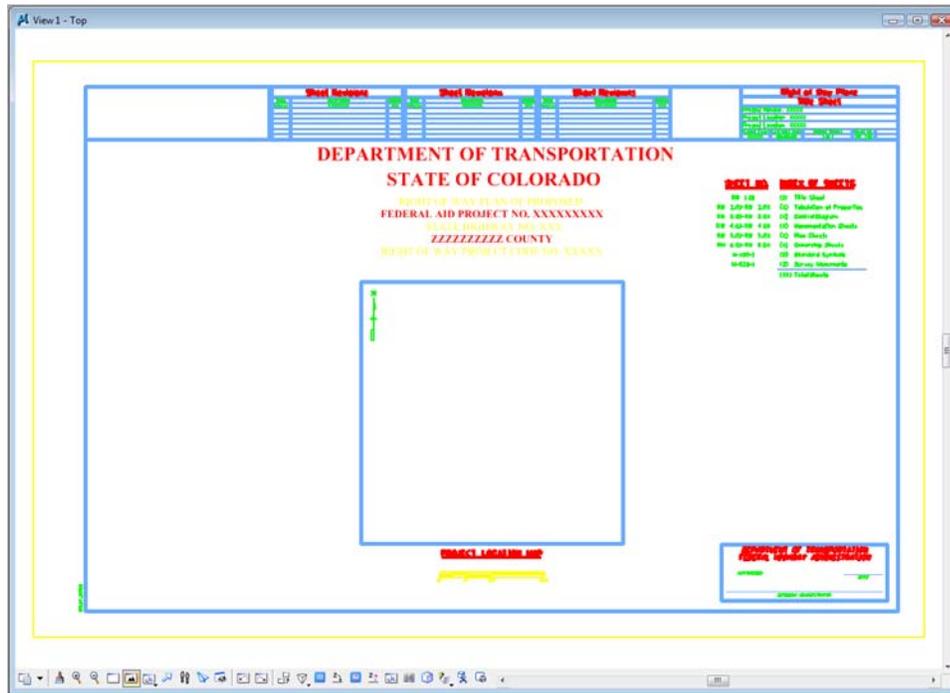


This workspace setup should load the correct MicroStation environment (including toolbars) when the selected MicroStation file is opened.

2. Navigate to the folder **ROW\_Survey\Drawings**
3. <D> on file **12345ROW\_TitleSht.dgn**
4. <D> **OK** in the **MicroStation Manager** dialog box to open the file.



Your graphics window should appear as shown.



**Note:** The file names and directory structure used in this course are based on current information. As the CDOT configuration develops and directory structure and file naming conventions are standardized, these may change.

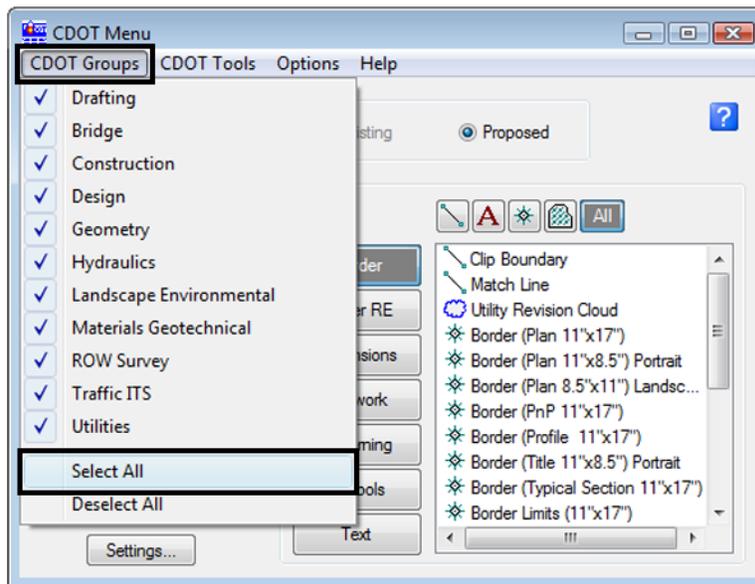
The default Model scale for CDOT plan sheets is 1:100. For sheets that are text based such as title sheets, and tabulation sheets, the Model scale is set to 1:1. Using the annotation scale lock synchronizes both graphics and text placed in the drawing. For drawings at other scales, the model properties will require modification. See the instructor if additional information is required.

Insert the Region, Designer information in the upper-left corner of the sheet.

- The **CDOT Menu** should open by default when MicroStation is launched. If for any reason the **CDOT Menu** is not open, you can open it from the Main Tool frame.

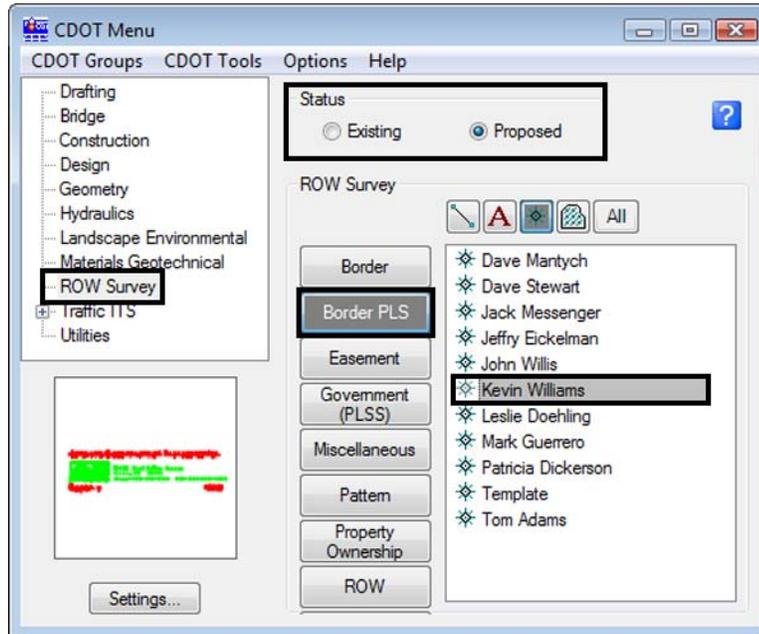


- From the **CDOT Menu** <D> on **Group Display>Select All**.

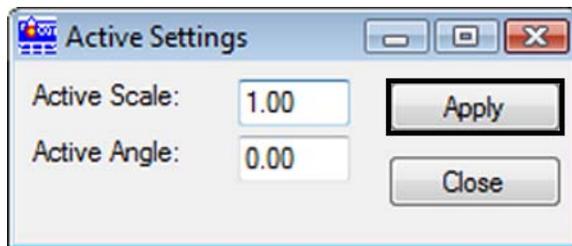


- Select **ROW Survey** in **Group Display**
- Set the **Status** to **Proposed**
- Select **Borders PLS**

10. Select the Survey Supervisor **Kevin Williams**



11. In the **Active Settings** dialog box set **Active Scale** to **1.00** and **Active Angle** to **0.00**



12. <D> **Apply**

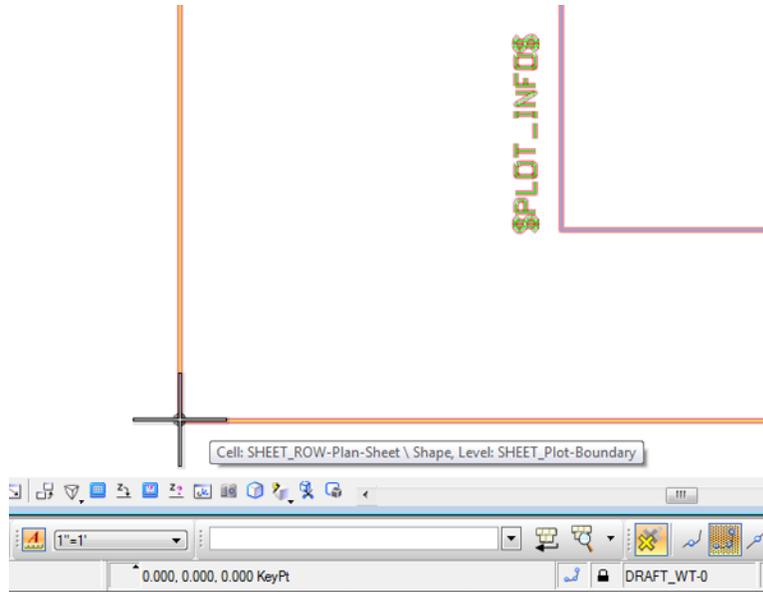
13. <D> **Close**

14. **Place** the **cell** at the upper-left corner of the sheet as shown



### Challenge Exercises

- Verify the coordinates at the lower left corner of the sheet (tentative snap). Should be at 0,0,0



- Determine the length and height of sheet (measure tools or AccuDraw). Should be 11 x 17
- Investigate the levels the graphics are on (level display, element information, or pop-up information)

