Exercise 12-1

This is a group exercise to show how to use the GEOPAK Plan and Profile Sheets tool to create a single plan sheet rotated to the alignment in the area of a stream crossing.

1. Open the MicroStation file **t:\br-proj\a_geopak\d2\j2p0300\data\plan_j2p0300.dgn**. Attach **t:\br-proj\a_geopak_\d2\j2p0300\data\topo_j2p0300.dgn** as a reference file.

2. Open the project **j2p0300.prj** and enter **Road** as user **userc**. Use the **Rte6** working alignment.

3. Choose **Plan & Profile Sheets** from the **Road Project** flow chart.

   Copy the **I20** run, name the new run **Rte6** and enter the new run.

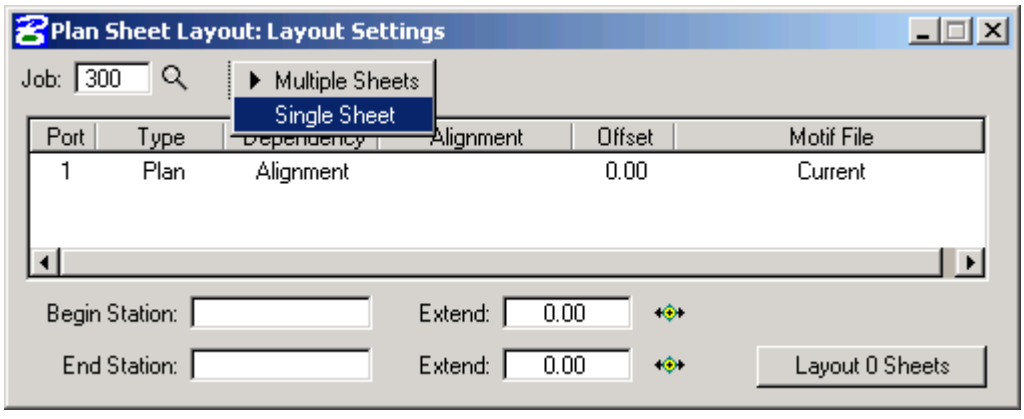
4. Select the **I_FULLPLAN** from the pull down outlined blow.

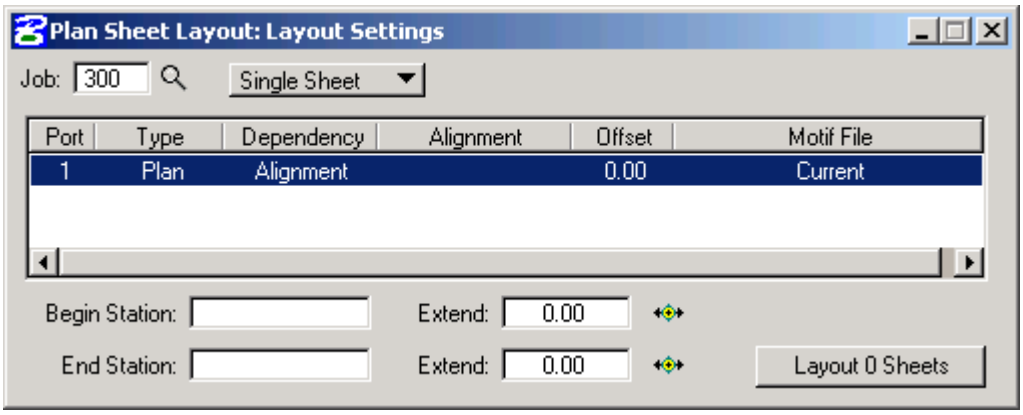
5. Click on the **Layout Sheets** icon, which is outlined below.

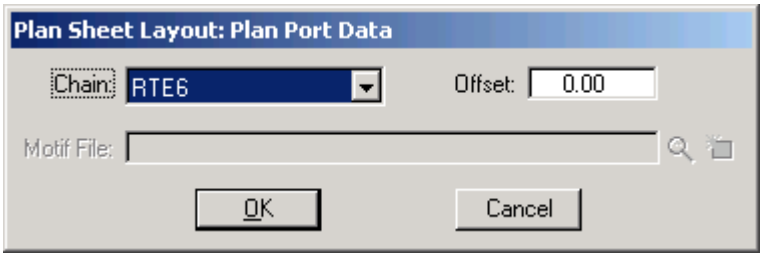
6. This brings up the **Layout Settings** dialog shown below. Switch to the Single Sheet option

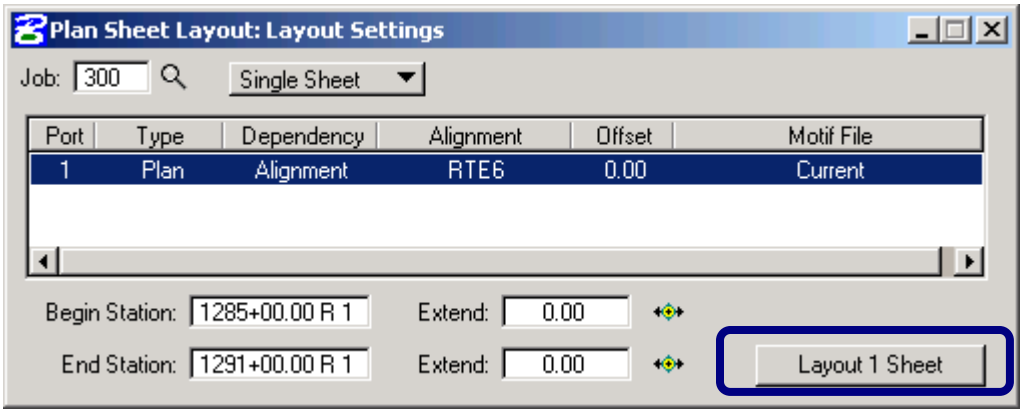
7. To edit the information for sheet Port 1, double click on the entry for that port, which is the highlighted line in the following figure.



Select **RTE6** as the **Chain** for the Plan Port, as shown below.

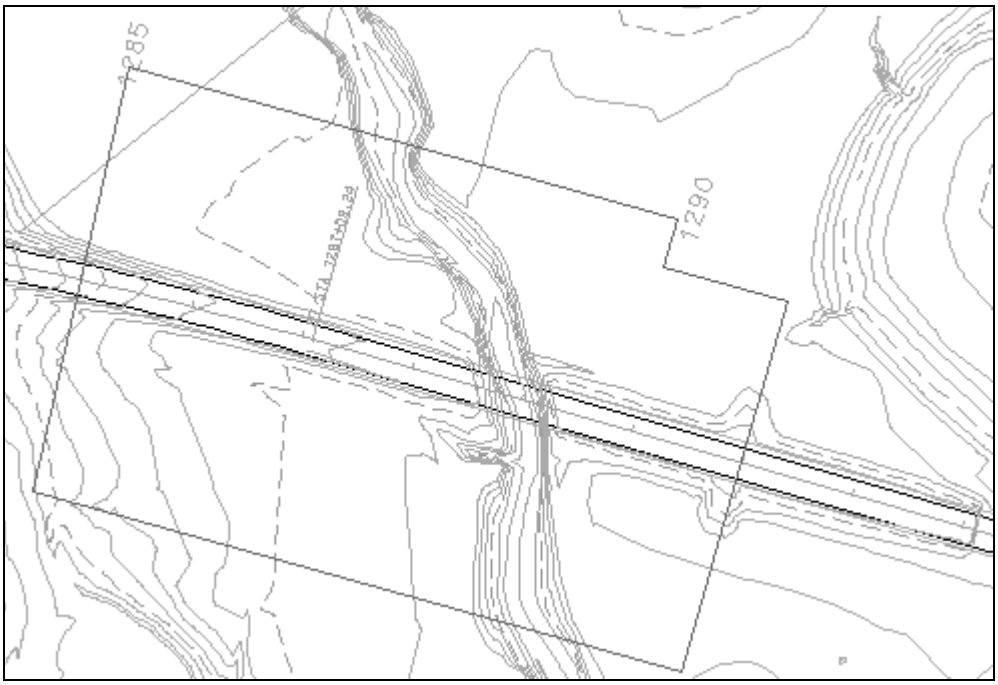


Click **OK** to save the Plan Port Data settings. This will update the settings for the plan port. Change the **Begin Station** value to **1285+00**, as shown below. The End Station will automatically be adjusted for the size of the sheet.



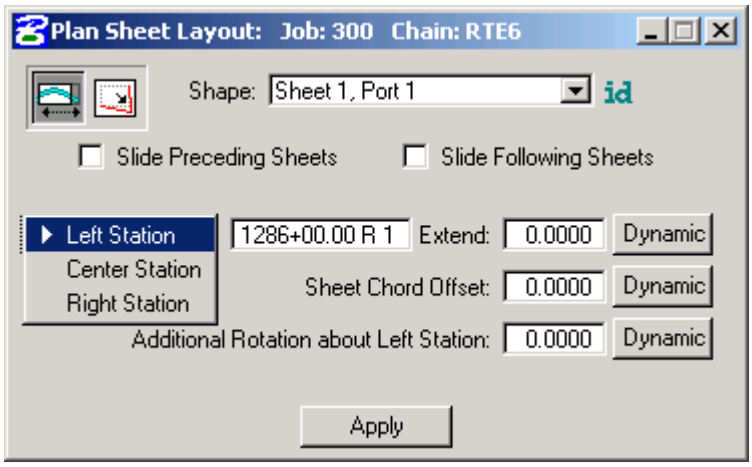
To place the sheet, click on **Layout 1 Sheet**, which is outlined above. This will place the clip boundary for the sheet.

8. As can be noted in the following screen capture, the sheet is not centered on the stream crossing.



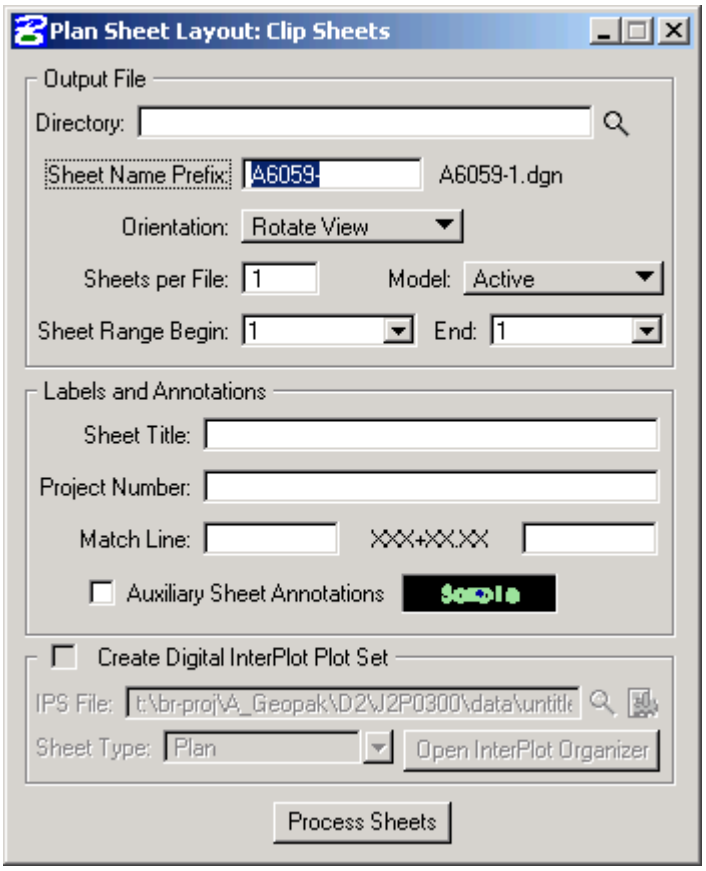
To adjust the location of the sheet, select the **Modify Sheet** tool, which is outlined in the following figure.

This brings up the following dialog. The position of the sheet can be adjusted either dynamically (by using the Dynamic button and sliding the sheet) or by entering a station value, which can be used to set the Left, Center, or Right Station for the clip boundary. Adjust the **Left Station to 1286+00** and click **Apply**.



9. Save the changes to the MicroStation file. Return to the Plan Sheet Layout dialog and click on Clip Sheets icon, which outlined below.

This will bring up the following **Clip Sheets** dialog.



If the **Directory** field is left blank, the sheet file is placed in the current working directory, which is where we want it.

The **Sheet Name Prefix** field lets the user specify the first part of the DGN to be created. Enter A6059- or another suitable name in the filed and hit the Tab key to update the file name preview to the right of the field.

Click on **Process Sheets** to generate the sheet file. Several MicroStation files need to be opened as part of the process. Click OK to save the changes to each of the files that are opened. An alternative to this is to toggle on Automatically Save Design Changes in the Operation tab of the **Workspace > Preferences** dialog. If you do toggle it on prior to clipping the sheets, be sure to toggle if off when the process is complete.

Exit the Plan Sheet Layout tool and save the changes to the run.