

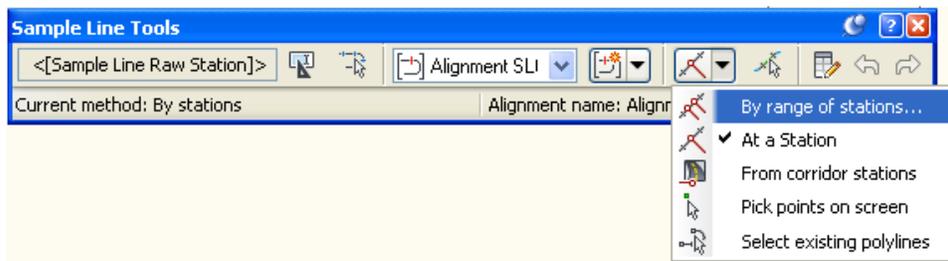
This guide covers the procedure for creating sample lines along an alignment that will be used to cut cross sections. Before sample lines can be created, you need to at least have an alignment and one profile in the drawing. This example also assumes that a corridor has been developed along the alignment.

For more information on developing alignments and profiles, refer to the following Quick Reference Guides:

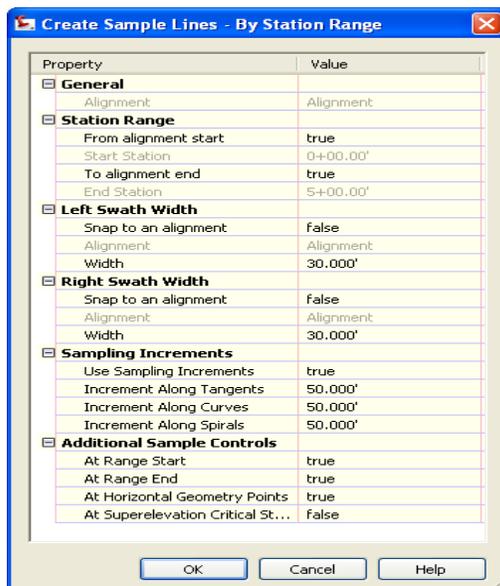
- 510.0 Creating an Alignment from Objects
- 511.0 Creating an Alignment Using Alignment Creation Tools
- 610.0 Profile from a Terrain Surface
- 611.0 Developing a Finished Ground Profile

Creating Sample Lines

1. Go to the *Profile & Section Views* panel on the *Home* ribbon and click on *Sample Lines*
2. At the command line, you will be prompted to select an alignment. Click on the alignment in the drawing or hit enter to bring up a list of alignments available in the drawing that you can select from.
3. The Create Sample Line Group window will appear. Make the following selections in this window.
 - You can use the name automatically generated for the sample line group or overwrite it with your own name.
 - You can provide a description, but it is not required.
 - The sample lines will be placed on the layer PLAN-SAMPLE. You can also choose a different layer for the lines.
 - Select the data sources to sample. A listing of the profiles and corridors in the drawing will appear in the *Select data sources to sample:* pane.
 - Click on the OK button after making your selections.
4. The Sample Line Tools toolbar will open. By default, the sample line creation method will be set to *At a Station*, which requires you to click on individual sample line locations in the drawings.



You can also select the *By range of stations...* option for the sample line creation method. This will bring up the *Create Sample Lines – By Station Range* window.



In this window, you can specify the left and right swath width for the sample line, and the sampling increments along tangent, curve and spiral sections of the alignment.

After you set the values in the table, click on the *OK* button, and you will be taken back to the drawing. The sample line creation command will still be active and set to create a sample line at a station. You can manually add additional sample lines, or right click to exit the command.

The sample lines will be drawn and labeled along the corridor according to the values you provided in the Create Sample Lines table.

