DEVELOPING A FINISHED GROUND PROFILE

This guide covers the procedure for manually developing a finished ground profile. The drawing must already contain an alignment, profile and profile view.

MANUALLY CREATE A FINISHED GROUND PROFILE

1. On the Create Design panel on the Home ribbon, click on Profile and select Profile Creation Tools.

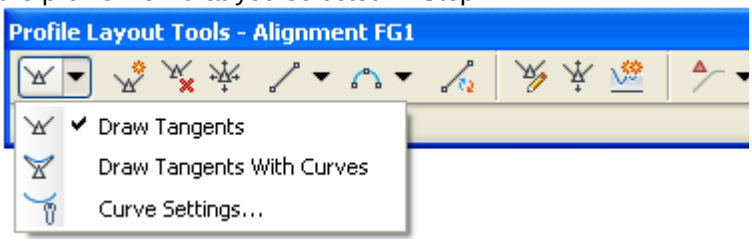
2. Select the profile view in the drawing that you want to add the finished ground profile to.

3. The Create Profile – Draw New window will appear where you will choose the profile style and label set.

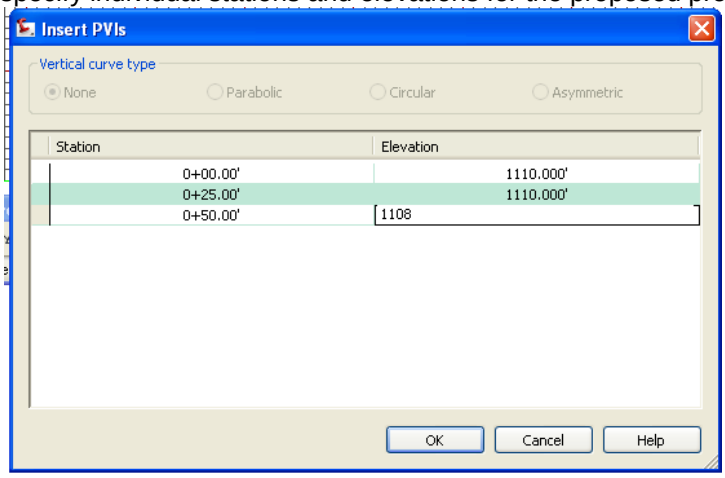
4. The Wisconsin drawing template will automatically provide a name that includes the alignment name along with a numeric counter. You can also provide you own name for the profile in the *Name*: field in the window.

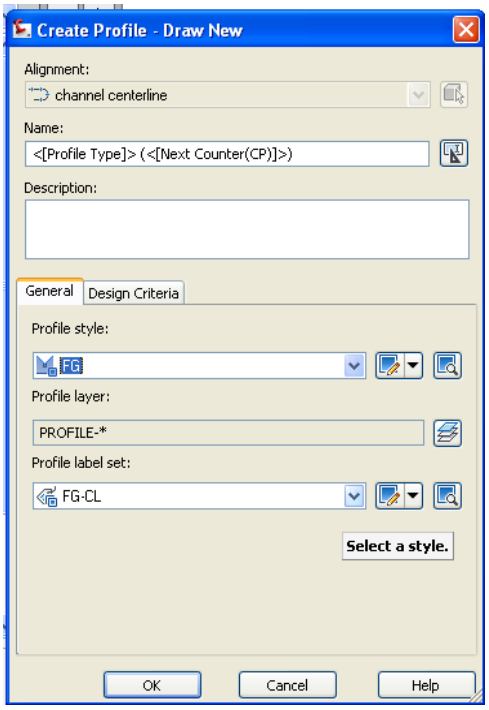
5. Click on the OK button when you are finished making selections in this window.

6. The Profile Layout Tools toolbar will appear which contains commands that you can use to manually define a new profile in the profile view that you selected in Step 2.



7. A useful command on the toolbar for creating a finished ground profile is the Insert PVIs – Tabular command  located near the center of the toolbar. This command will open the Insert PVIs window where you can specify individual stations and elevations for the proposed profile.





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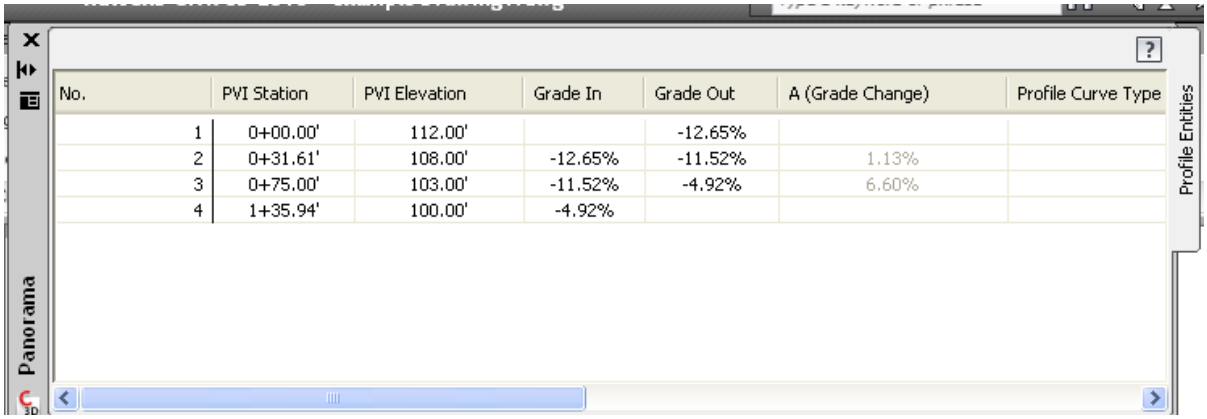
8. The *Profile Grid View* button on the *Profile Layout Tools* toolbar  opens a window where the data for all of the elements on the profile is summarized. If the text in a cell in the table is black, it is a cell whose value can be manually changed by double clicking on the cell and entering the new value. Making changes to the black values in this table will dynamically update the gray values in the table and the plot in the drawing.



No.	PVI Station	PVI Elevation	Grade In	Grade Out	A (Grade Change)	Profile Curve Type
1	0+00.00'	112.00'		-12.65%		
2	0+31.61'	108.00'	-12.65%	-11.52%	1.13%	
3	0+75.00'	103.00'	-11.52%	-4.92%	6.60%	
4	1+35.94'	100.00'	-4.92%			

9. After you use the commands on the Profile Layout Tools toolbar to define the finished ground profile, the profile will be plotted in the profile view in the drawing.