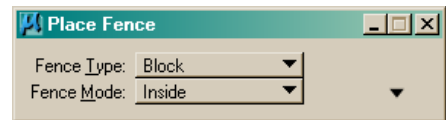


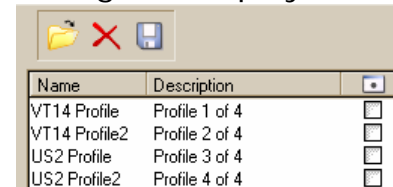
MicroStation V8 XM Fence Tools

Named Fences

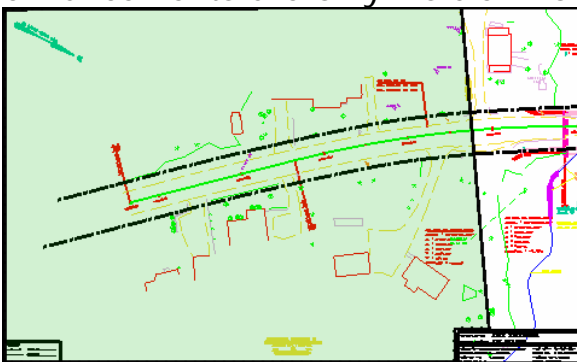
New to MicroStation V8 XM is the ability to save fences. On occasion users can spend time picking many points to define a fence. Now you have the option to save the fence for future reuse. Note that "Fence Type" and "Fence Mode" are not saved with the fence. Only the fence shape is saved for recall.



On the bottom right corner of the place Fence dialog, use the ▼ expand symbol to show the [Activate, Delete, Save] a fence and details. The dialog will display a list of saved fences and a description, if included. To the right of the Description field there is a display toggle. If checked this will display an element in the drawing showing where the fence exist. If you delete the fence display element the fence will also be deleted from storage. The display toggle is OFF by default. The fence can also be deleted by selecting it and clicking the red X in the fence dialog box. Fence names and descriptions can be modified with a slow double click a fast double click will activate the fence.



In MicroStation V8 XM when a fence is active the interior of the shape is shaded with a transparent screen. This cannot be deactivated however fence visual enhancements are only visible in one view at a time. The green color shape is an example of a fence visual against a white design file view background.



All the same options are available for creating a fence including the define fence by element selection. In VAOT layout border sheets, clip boundary elements are generally selected to generate a fence, this fence is then used to clip reference files. *Note generating a reference clip boundary by clip*

reference by element" is not valid when using iplot with the multiple layout borders file method. Reference files must be clipped by a fence. However it is still valid to generate the fence by selecting and element like the standard clipping boundary element.

Fence Manipulation Tools

Within the fence Manipulation tools there is one additional option. The array fence works the same as the standard array



tool with the Use Fence toggle ON.

Fence Stretch

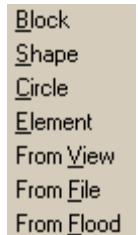
There has always been a stretch fence contents tool. Now in MicroStation V8 XM the stretch tools have been added to the Manipulate toolbox. This does not require a predefined fence, simply select the tool then window select, an area to stretch.



Since we are near this tool it's worth pointing out. The "[Move to Contact Tool](#)" is new on the toolbox it efficiently moves the selected elements in a specified direction until it contacts another element.

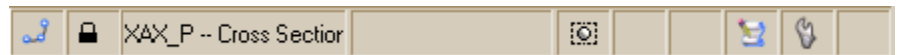
Fence Snap or Tentative to an Element

When placing a fence there are several options (shown right). The block option is often used to setup areas to be plotted. Usually we snap to the corners of the plot border when creating a plot. There is one problem with the new V8 AccuSnap tools they seem to not work when placing a fence. Hold down the {Shift + Ctrl} keys on the keyboard when placing the fence AccuSnap will work. The other option is to go with the old data point > accept option. This {Shift + Ctrl} trick for AccuSnap works when using InRoads commands also. The "From File" option is not new but it has been renamed. This creates a fence boxing in the (active, all or choose) contents of a design file.



Fence Status

At the bottom right corner of the MicroStation application there is a status bar area. This bar show the status of AccuSnap, Locks, Levels, Selection Sets, Fences and several others. As shown here, a fence icon shows an active fence, and its mode when the cursors hovers over this area. Clicking on the status window will allow you to modify certain settings. This it true for Snap, Locks and levels as well.



Fences and InRoads

InRoads utilizes MicroStation Fences for many of its tools. When a Fence is active InRoads dialog boxes have the following options: "Active Fence" "Ignore Fence" or something similar. This allows for the Fence to be used as a selection method. An example, is the display of triangles or contours. On large DTMs, the display of these graphics could be time consuming or worse put your computer into overload. Using the active fence to define the area where contours or triangles need to be displayed will save time and lessen the possibility of computer overload. By overload I mean "crash" or the dreaded "Application Not Responding" notice.