

MicroStation

Element Templates and Modified Global Origin Conflict

Trouble Report Number 245101

Element templates don't work correctly with drawings that have modified global origins. If the global origin (GO) is moved the following settings don't work correctly; text style overrides for height and width, pattern spacing and cross hatch spacing. Note, the NDDOT Standards uses VBA scripts to circumvent these problems with Task.

Text Justification – Trailing Spaces

Service Ticket Number 8000333287

Trailing spaces in text are treated differently in MicroStation V8.5 and XM. When text is center justified, V8.5 uses trailing spaces, XM ignores trailing spaces. Older (V8.5) drawings and cells may need to be edited when used in XM.

Editing Text in Word Processor

Trouble Report Number 246583

On certain text nodes, the cursor shown in the Word Processor dialog box may not represent where the edits will occur.

Copy Parallel with Line Scale

Trouble Report Number 120304

The "Move/Copy Parallel" tool doesn't work properly with the "Use Active Attributes" and changes to line scale. The line scale of the existing element is copied, but shouldn't. The active line scale should be used.

“Measure Area” tool using by the “Element” method

Service Ticket Number 8000354955

The “Measure Area” tool using by the “Element” method doesn't recognize hatched areas if they were hatched with “Associative Region Boundary”. This capability existed with MicroStation V8.5.

Snapping with Pan View

Change Request Number 251225

The “Pan View” command doesn’t recognize a tentative snap when working with two views. It only takes the actual cursor selection. This is a problem when exact view location is desired.

The following explains the process. Open two views of a drawing; “View 1” and “View 2”. View 1 is zoomed way out like viewing the extent of entire highway project. View 2 is zoomed in on a detail such as a culvert. Select the “Pan View” command from view 2. Select a grab point - origin point in view 2. Hover your cursor over view 1. The view in view 2 will dynamically change to location of cursor in view 1. At this point you should be able to snap and select a very specific point in view 1, but you can’t. Snap on a specific point in view 1. Accept the snap point by using a select (left) mouse button. The acceptance is used instead of the snapped point. We want the snapped point. The snap point and the acceptance point are not at the same location. They are usually close, but close doesn’t work if you are zoomed out to an extreme extent. This feature worked in MicroStation 8.5 and we want it to work in XM.

This change is caused by the added functionality of MicroStation V8 XM Edition being "Active view" aware.

Inconsistently Displays

Service Ticket Number 8000390707

While changing your view (zooming in and out), MicroStation inconsistently displays elements and parts of elements. This is more apparent with some of the NDDOT custom Line styles and GEOPAK alignment Tick marks.

When you zoom out, the lines become small enough to fall between the display pixels. If you slowly pan the drawing, you should see some lines flashing on and off. This is caused by the line being on a display pixel or between display pixels.

Bentley is making a change to MicroStation so that the element will get displayed by the closest pixel. This will cause the line to be displayed. The problem that you are seeing will be corrected in a future release of MicroStation.

Window Area Cross Hairs

Change Request Number 249141

The “Window Area” tool uses cursor cross hairs. When the cursor is moved off of a view, the cross hairs are parked at the drawing origin. This didn’t happen in MicroStation 8.5. This is annoying, especially when you work near the global origin.

Text Line Spacing

Trouble Report Number 197735

Text line spacing attributes are not being stored with text elements. Line spacing attribute information was stored with simple one line text elements in MicroStation 8.5. This is not happening in XM.

This is how the problem occurs. Set text attributes, example set text height, text width and line spacing to 9. Place one line of text only (first element is not originally a “Text Node”). Without changing text attributes, place another text element. This time, type two lines of text (this will be a text node). Note the correct line spacing of 9 in this text node. Now go back to the first text element and edit it by typing more than one line of text. Note, the edited text no longer has the correct line spacing. Line spacing is shown as 0.0.

Custom Tasks Taking Too Long

Trouble Report Number 252835

Opening large custom Task bars takes longer to open than a comparable stg (select setting).

Delay Opening Color Table

Trouble Report Number 248449

Viewing a color table (selecting a color) takes 2 to 4 seconds. Viewing color tables in V8 was faster. One workaround is to remove the first entry of \$(MS_DGNLIBLIST) from the variable MS_COLORBOOK_LIBRARIES.

MS_ASPECTRATIO

Service Ticket Number 8000366954

In MicroStation V8 XM the variable MS_ASPECTRATIO is no longer supported. This is because with the new LCD screens it is not needed.

Drawing Scale

Trouble Report Number 245296

How do you set up a custom annotation scale (example 1”= 80’ or 1”=5280’)? When you pick custom in the “Drawing Scale” dialog box ,it sets it to “Full Size 1=1”. When you try to set it in the model properties it doesn’t stay or work? A work around is to edit the sales.def file with a text editor.

Key-in for Dimstyle

Service Ticket Number 8000375650

V8.5 and V8.9 use the key in “dimstyle active” differently. XM requires quotes if spaces are used in the dimstyle name, V8 doesn't. Example, the command “dimstyle active NDDOT Bridge2” works in V8 but doesn't in XM. In XM the command ‘dimstyle active “NDDOT Bridge2”’ must be used.

Data Fields

Trouble Report Number 245263

How do you add a data field to a preexisting text node using MicroStation XM? In V8.5 you could add <<__>> to the text node to create a data field. Using the underscore works for creating data fields in new text nodes. It doesn't work for editing text nodes.

Enter-Data fields are only recognized when it is part of the initial text element creation. Editing existing text to add an Enter-Data field doesn't work -- MicroStation sees the text as simply having under bar characters where the user wished to have a data entry field.

Annotation Scale for Tags in Cells

Trouble Report Number 171630

Annotation Scale for Cells doesn't work correctly if the Cell has tags. The Tags scale differently than the cell.

Extremely Large Level Filter by Level Group

Trouble Report Number 254228

When creating a level group and adding large number of levels from a csv file, MicroStation crashes.

GEOPAK

DTM Tool Problems when running PM

Trouble Report Number 246441

Geopak survey may lock up, system fault 5 or fail to create a dat while using the DTM Tools within a running project manager. Example, try loading a project, then select DTM tools, and then try to create another Dataset run. We were not able to complete the run without exiting and reopening the project. In some cases if you accidentally try to open the DTM tools twice, you may lock up or you may not be able to correctly extract a dat from graphics.

GEOPAK D&C Manager Export to Access Database

Trouble Report Number 257011

The Design and Computation Manager CADD management tools to export and import Microsoft Databases don't recognize some symbology settings (especially when they are bylevel). One problem area is the "stationing text" color is not importing correctly (color =bylevel is being imported as color =0).

Survey Cell Origin

Service Ticket Number 8000417945

Change Request Number 258217

Certain Cells that were placed in MicroStation V8 (mapped with Geopak Survey or permanently visualized with COGO) do not have the correct cell origin when used in MicroStation XM.

Cells have a property that is either "Solid" or "Hole". When Geopak places cells in V8 (mapped with Geopak Survey or permanently visualized with COGO), it rebuilds the cells using the "Hole" property. This was a flaw in the way Geopak placed ALL cells in Pre-XM versions. In XM the MicroStation developers decided that all Orphan cells are "Hole" cells. If it is a "Hole" cell, the origin of the cell will be the Center of the elements Range. In other words early Geopak did not pay attention to the type class of the cell it was building and MicroStation XM, by attempting to fix a different problem, finally broke it.

Bentley has created a VBA named "ModifyCellsToSolid.mvba" to go through all the cells in a design file and modify the "hole" property to the "solid" property. That is all it does, but that fixes the problem with the origins.