

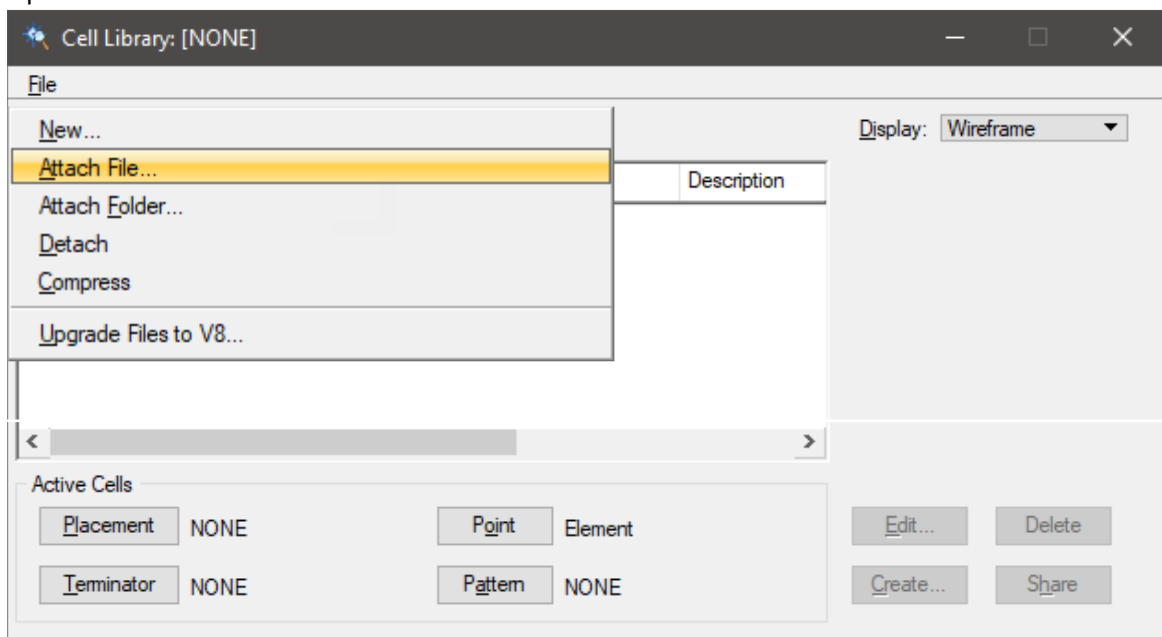
2022 BSR/CSR Cell Placement Guide for MicroStation V8i

The format and content of BSR and CSR have been updated as part of the Guidelines for Drainage Studies and Hydraulic Design 2022 update. The new cells are not available the Hydraulics Toolbar currently and may not be added due to our transition to ORD. This guide describes one method for placing the 2022 BSR/CSR cells in a MicroStation .dgn file without the use of the Toolbar.

1. Open the **Primary Tools** ToolBox
2. Select the “Cells” button and open the “Cell Library” dialog box

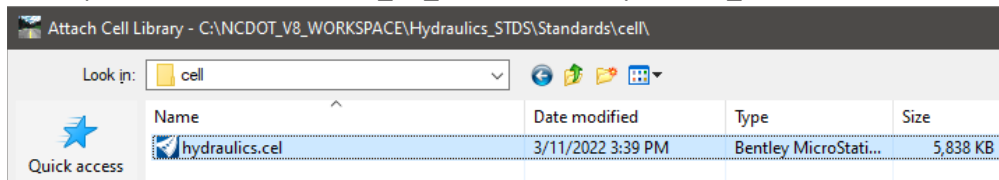


3. Open the “File” tab and select “Attach File”



4. Navigate to the NCDOT_V8_WORKSPACE folder and select **hydraulics.cel**

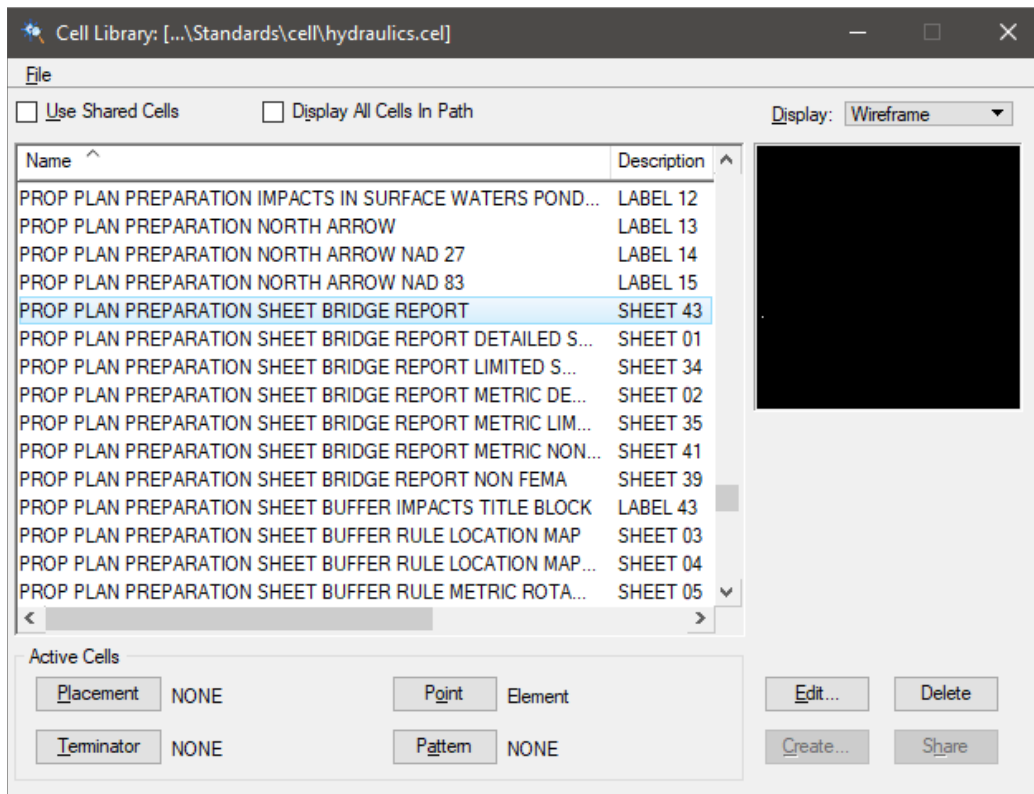
Workspace location: C:\NCDOT_V8_WORKSPACE\Hydraulics_STDS\Standards\cell\library



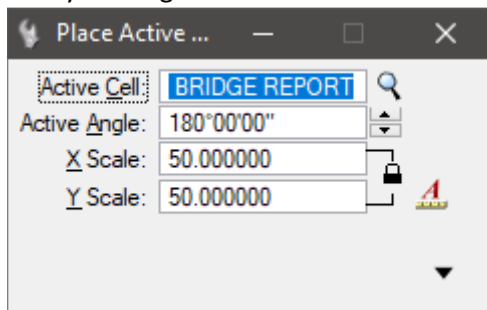
Notice: The “Cell Library” dialog box now contains the content of the “hydraulics.cel” cell library



- Double click on the “PROP PLAN PREPARATION SHEET BRIDGE REPORT” (Sheet 43) to place the 2022 BSR cell or the “PROP PLAN PREPARATION SHEET CULVERT REPORT” (Sheet 44) to place a CSR cell.



- Verify the angle and scale within the “Place Active Cell” tool window



- Click to place the cell in the View

