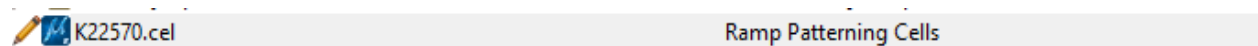


Getting started:

If you work with Cache Files: you can copy this cache file into your project (use Copy To...) and rename appropriately [R_K22570_ANNO_cache_pub_01.dgn](#). You would use this similar to other cache files where you match the pattern you want and then use it as you need on the design.

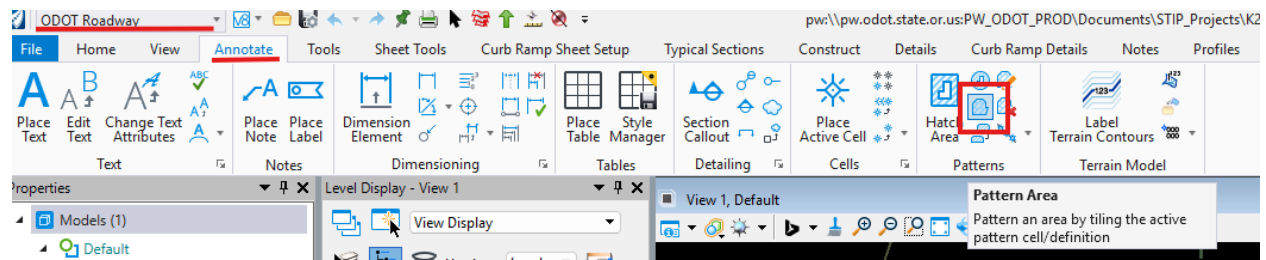


If you prefer working with the cell library: Setting up the project you would go to the 9_WorkSet>Standards>Cell folder and copy this Cell file (use Copy To...) to make a project specific Cell library in your specific project's 9_WorkSet>Standards>Cell folder: [K22570.cel](#)



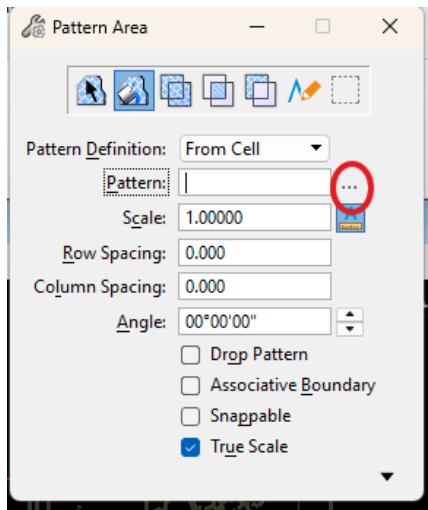
Once you have completed one of these steps (in R3 we prefer using the Cells to pattern the ramps). You launch your GEOM file and set the annotation scale you are wanting to print the sheets with. In our case, it's 1"=20'. Once the design is completed, you are ready to start patterning and detailing out the ramp arrows.

Go to the ODOT Roadway workflow, click on the Annotate ribbon and then click the pattern area button.



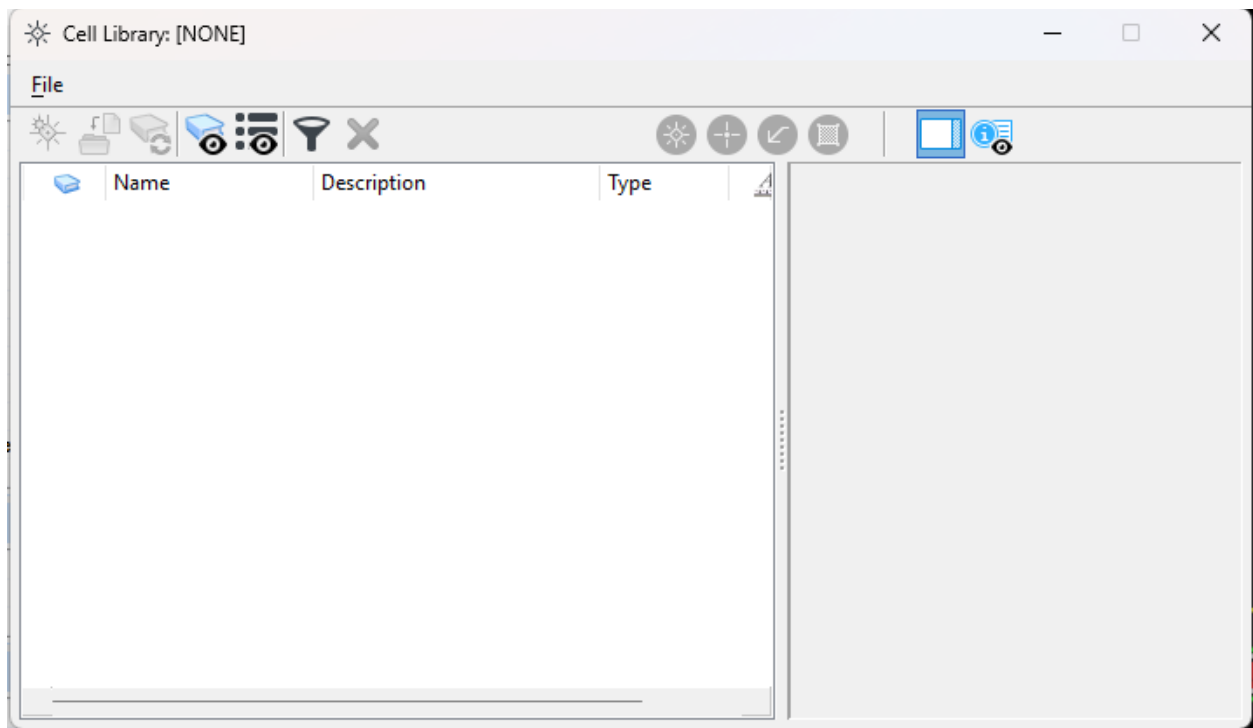
The command will pop up to something like this.

Click the 3 little dots as circled below:

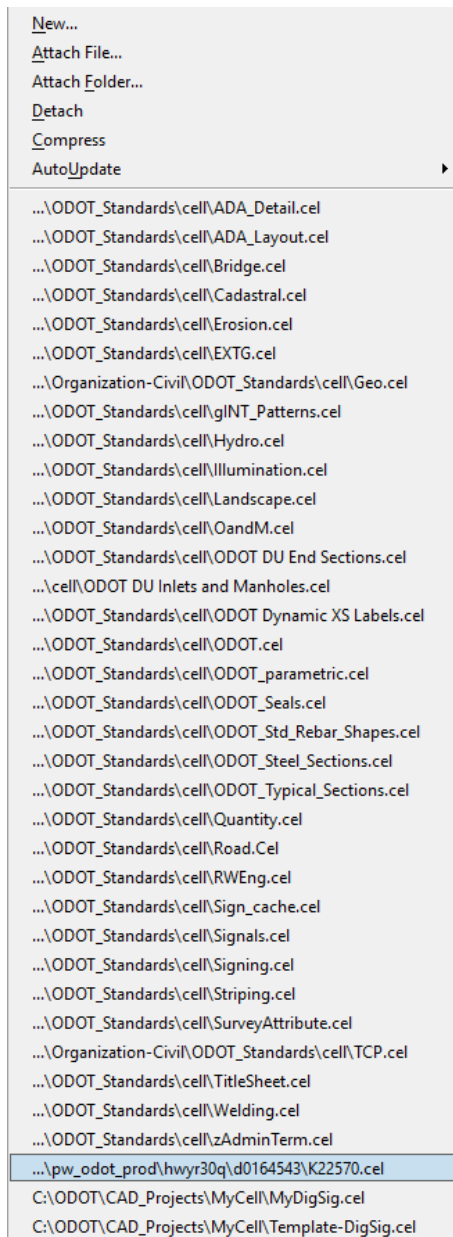


The cell library may come up blank or have a bunch of cells loaded.

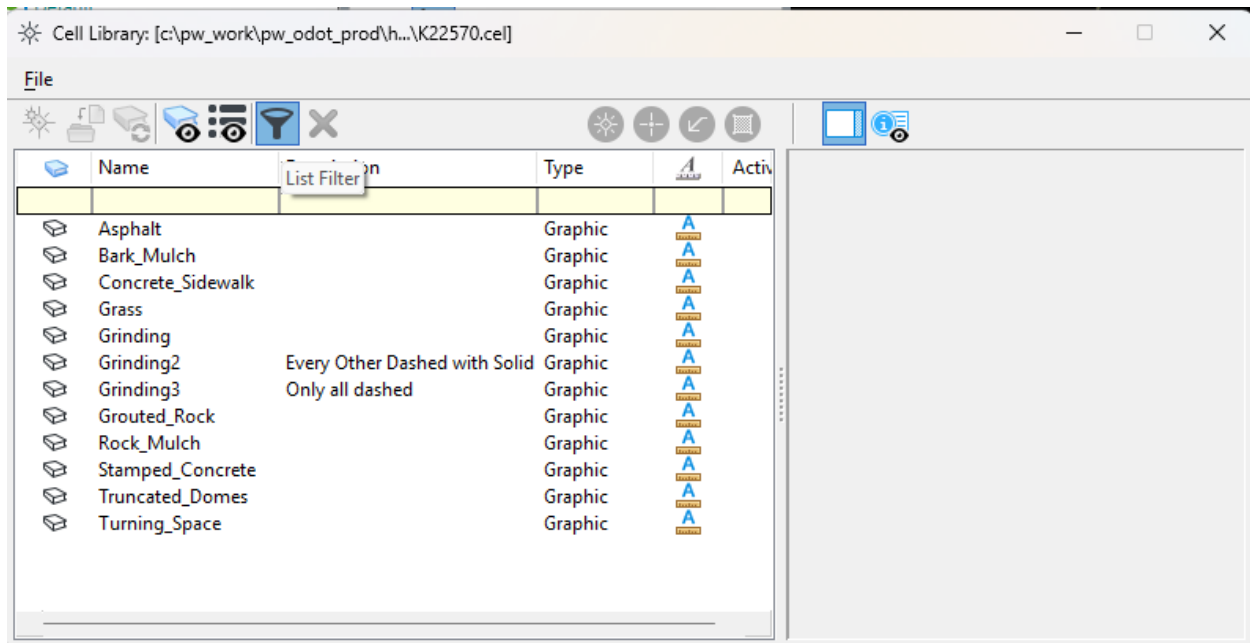
Click on the File button in the upper left corner of the dialog box.



You should see towards the bottom of the cell options, the cell library that you dropped into the cell folder in the ProjectWise work set. Click on that cell option.



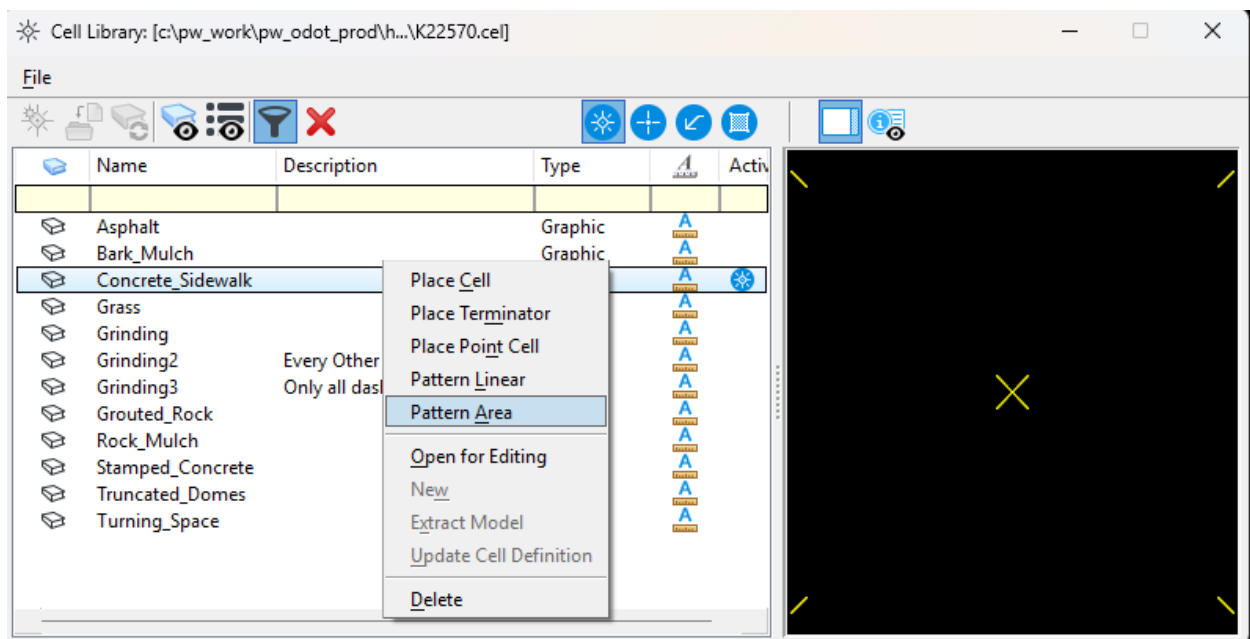
You will see the cells that have been developed and used for R3 ADA curb ramp designs.



Patterning areas:

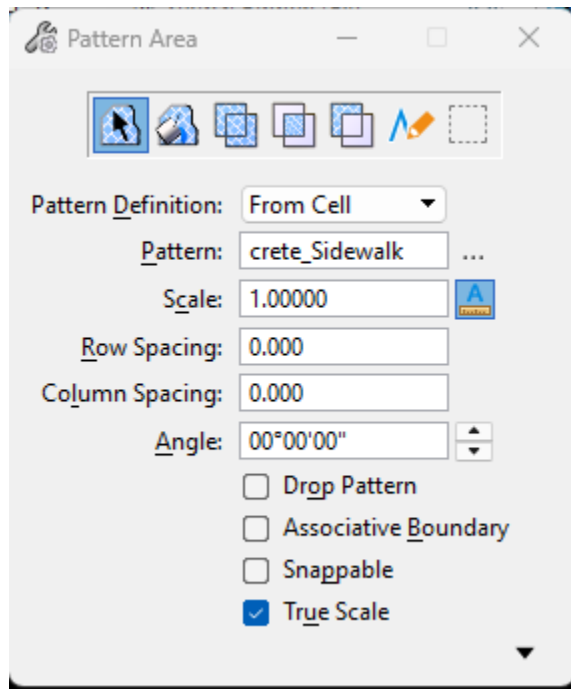
Make note to set Patterns level active.

You can right click and pattern area as shown below



Or use the button under the Annotate/Patterns section.

Once you click on the pattern button, you will get a dialog like this:



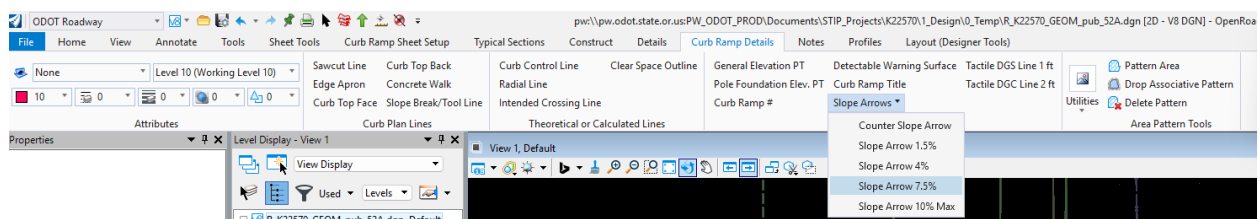
You can choose how you want to pattern your area. Commonly, we use the Flood and Points options.

Pattern the area you need with that pattern. Once you are ready to switch patterns, repeat the process by clicking the 3 little dots and choosing another pattern.

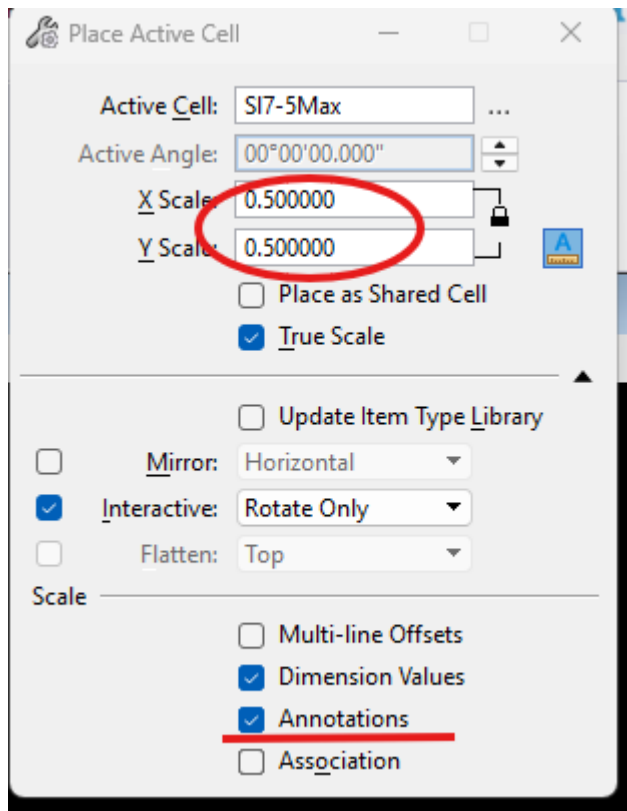
Your cell library may also be on the screen as well and you can right click on which pattern you want and pattern area.

Placing Curb Ramp Arrows:

Under the ODOT Roadway workflow, click on Curb Ramp Details, then click on the slope arrows button, then click the slope arrow you need:



The dialog box will look similar to this:



The slope arrow cells are set up for 1"=10' and we are using 1"=20', so WE SET THE SCALE TO 0.5 WITH THE "ANNOTATIONS" BOX IS CHECKED. Otherwise, for our scale, the arrows would have been too big!

Place arrows and rotate as needed.

Once Arrows are placed, reset the scale to 1.0 and uncheck the Annotation box.

Talk about time savings. ~ 1.5 hours per intersection by doing patterning ourselves

Saves between 1-2 redline handoffs between designer and drafter.