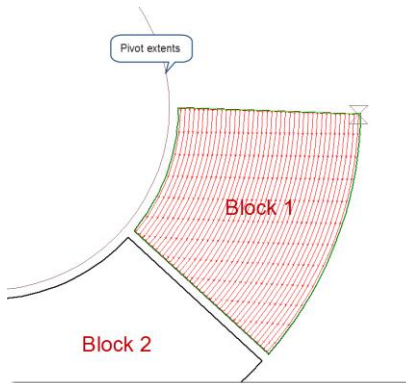


How create circular irrigation laterals

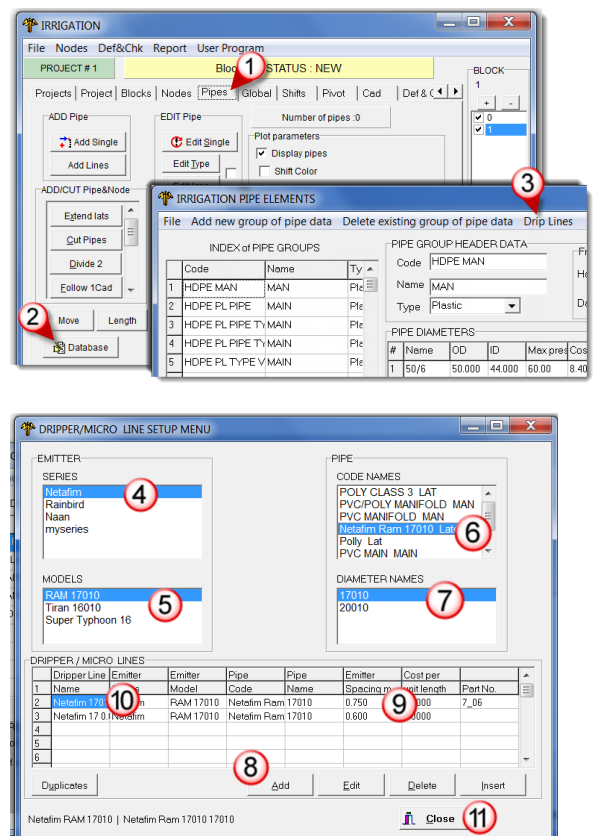
NEW: Watch the video here:



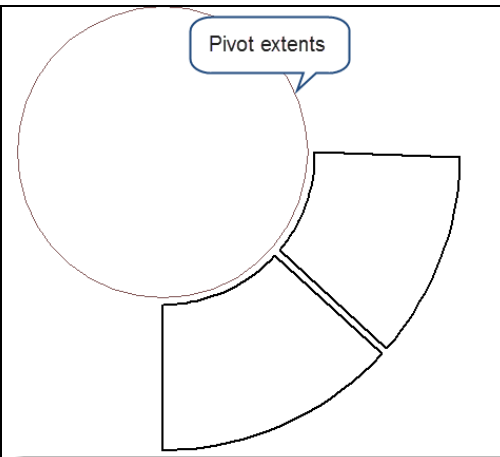
In this feature I will explain how you can use cad circles as a basis to create circular laterals in irrigation blocks. This method can be used to extend your irrigation projects around pivots to maximize the available space that can be irrigated. To use this function properly we will make use of the "drip/micro line" feature in the Model Maker (MM) database which needs to be set up beforehand.

Step 1: To set up the drip line database in MM click on Pipes (1) Database (2) Drip Lines (3). When the drip lines dialog opens, select the emitter series (4) and model (5) that you want to combine with the pipe name (6) and initial diameter (7) then click "Add" (8). The combination will be written to the stack below. You might want to enter an emitter spacing (9) for later use and make the line name unique and descriptive (10). Click Close (11) to exit the database.

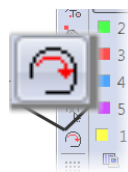
Tip: Use a unique dripper line name because there might be many combinations to choose from later. I suggest including the flow rate and spacing in the line name. Use something like: Uniram 17010x3.5x0.6 etc.



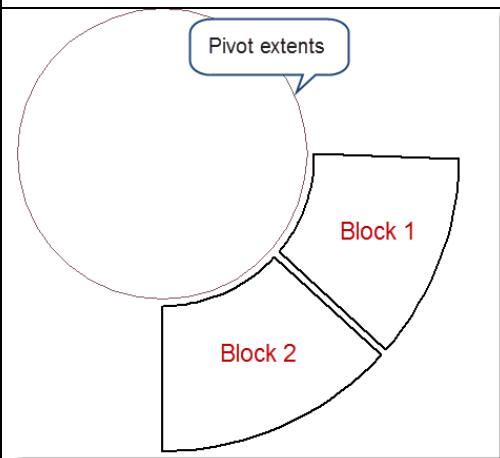
Step 2: Prepare the CAD like you normally would by drawing the pivot circles using the CAD functions available. It is always a good idea to draw the full block layout in CAD as well as it will be easier to define irrigation blocks that way. The important part here is to add the CAD circle which will be used in the next step.



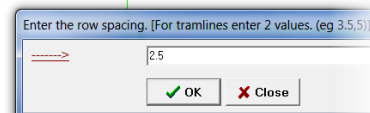
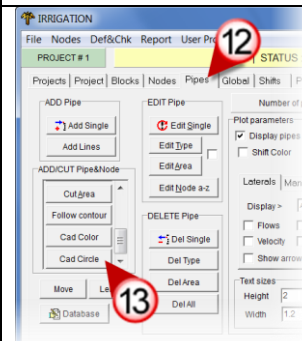
Step 3: Add the irrigation blocks like you normally would.



Tip: Use the Track Line snap mode to track the CAD lines you drew earlier to easily define the block boundaries with the area definition tool.



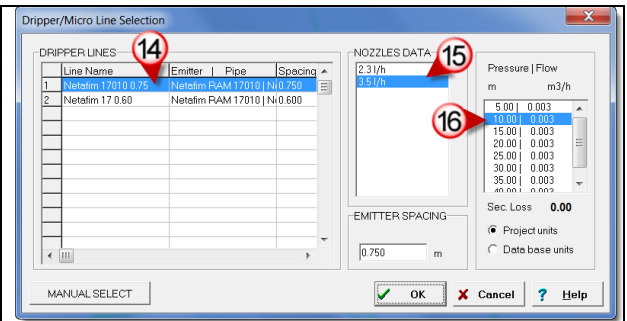
Step 4: On the Pipes page (12) scroll down the list of "ADD/CUT Pipe&Node" and click on the "Cad Circle" button. Select the CAD circle that represents the pivot radius that needs to be followed. Enter the Row Spacing when prompted.



Block 1

Step 5: Select the Dripper Line (14) required emitter flow (15) and required block design pressure (16) and click OK.

Tip: Notice the emitter spacing may have changed at this stage, check if it is still what you require or change it to what is required before you click OK.



Step 6: That is it! The program will now fill the block with pipes and you may continue adding your sub-main and valve to complete the design as usual.