

How to add lateral pipes using CAD lines

In this tips and tricks feature, I will explain how you can make use of cad lines to create virtually any pipe layout in a block. I am pretty sure that if you can draw it, Model Maker will probably design it. The specific function I will focus on is the Pipes > **Follow ID CAD** function.

Step 1: Draw the necessary CAD lines

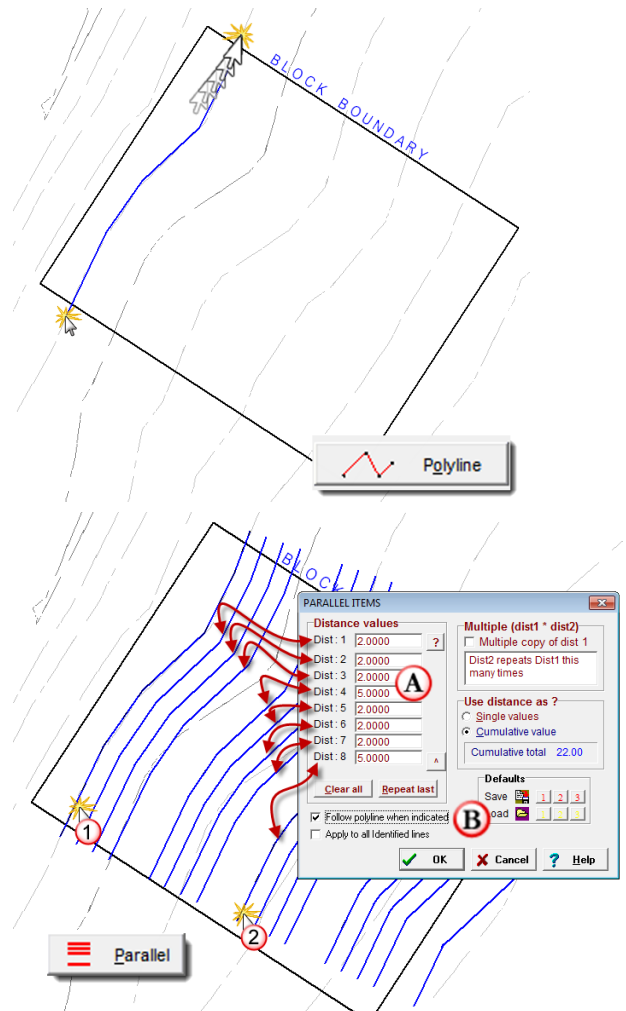
1a: Add a polyline

Use Cad>Line>Add>Polyline to add the first lateral position. In this case I will follow the path of the average contour direction.

Tip: Use a unique color when you draw the lateral lines as we will use this unique color property later on to ID the lines.

1b: Add parallel lines

Use Cad>Line>Add>Parallel to add parallel lines. Define the parallel distance sequence (A) and be sure to select the "Follow polyline when indicated" tickbox (B) then click OK. Now place your cursor close to the line you want to follow, on the side you want to go parallel to (1) and left click. Repeat this as many times (2) as needed.



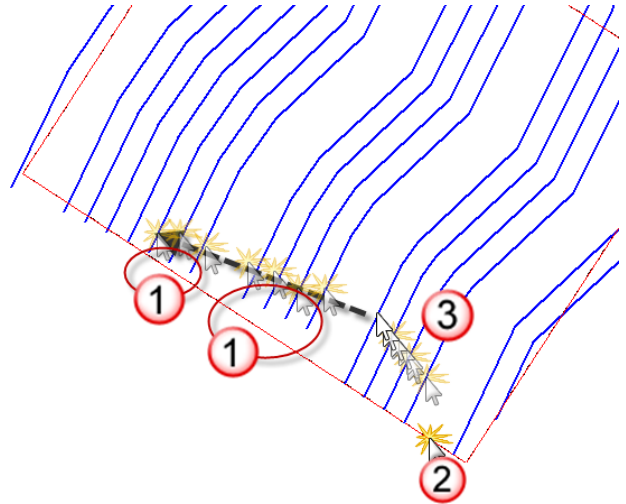
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1c: Extend cad lines to irrigation block boundaries where needed (1).

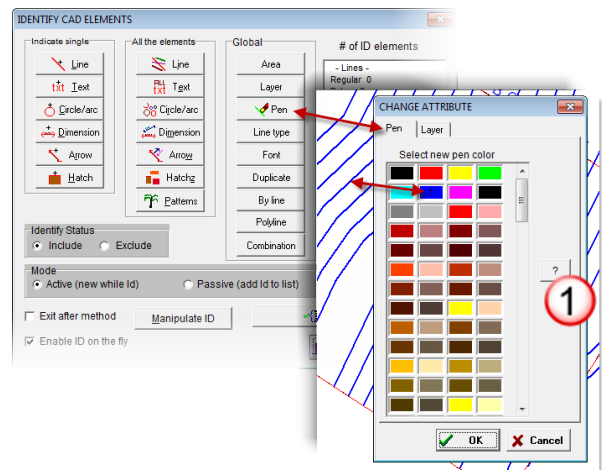
Use CAD>Line>Trim then select the base line to which you want to trim (2) and select the lines to extend (3)



Step 2: Id all the lines that should be converted to pipes

Use CAD>Id>Do-Id>Pen to ID the lateral lines according to their color.

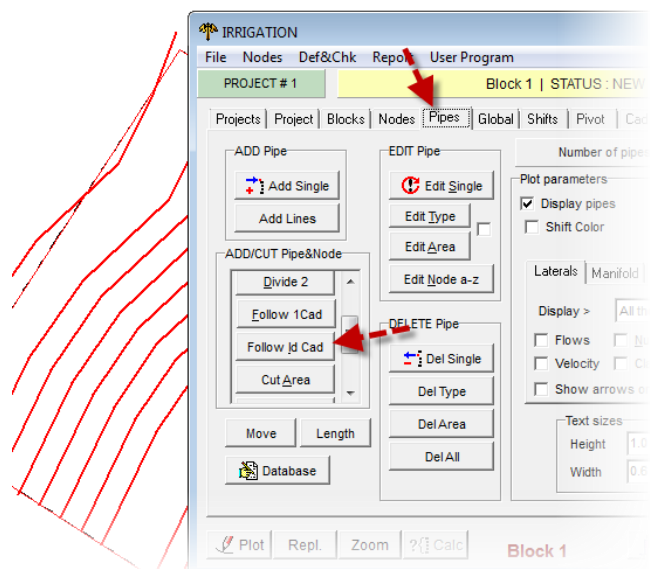
Tip: If you can't remember the specific pen number, use the "?" button (1) to pick the pen number from any CAD element.



Step 3: Convert the ID CAD lines to pipes

Tip: Before you can complete this step you need to draw Irrigation block boundaries. This step assumes that the blocks were drawn before this step.

To complete the procedure the final step can be found on the pipes page where you will use the "Follow Id Cad" button to insert the pipe and emitter as well as fittings that will represent the bend points where applicable.



Now it is a matter of following each dialog as prompted and complete the design as usual.

