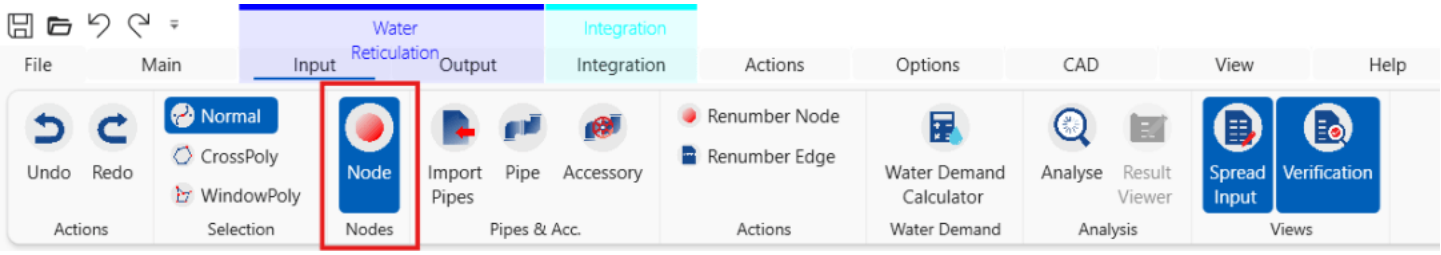
Creating Water Reticulation System

Node · https://mes100.com/docs/creating-water-reticulation-system/

With Node and Pipe buttons, a water reticulation system can be easily created.

Node

Refers to water fittings structure (Fittings/ Appurtenances).



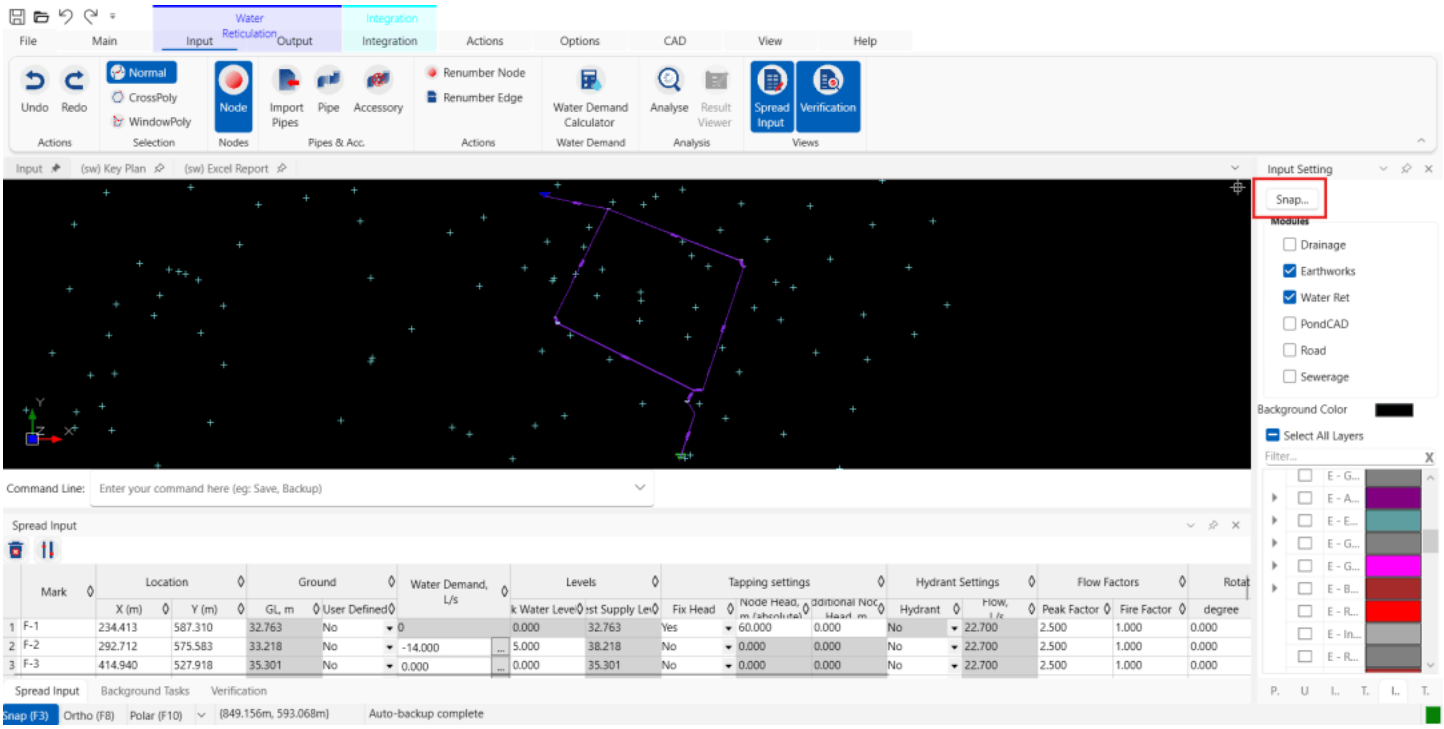
To insert node;

1. Select the node button to insert water fittings structure
2. Click inside the input screen until the cursor turns to '+'
3. Click again to place the node

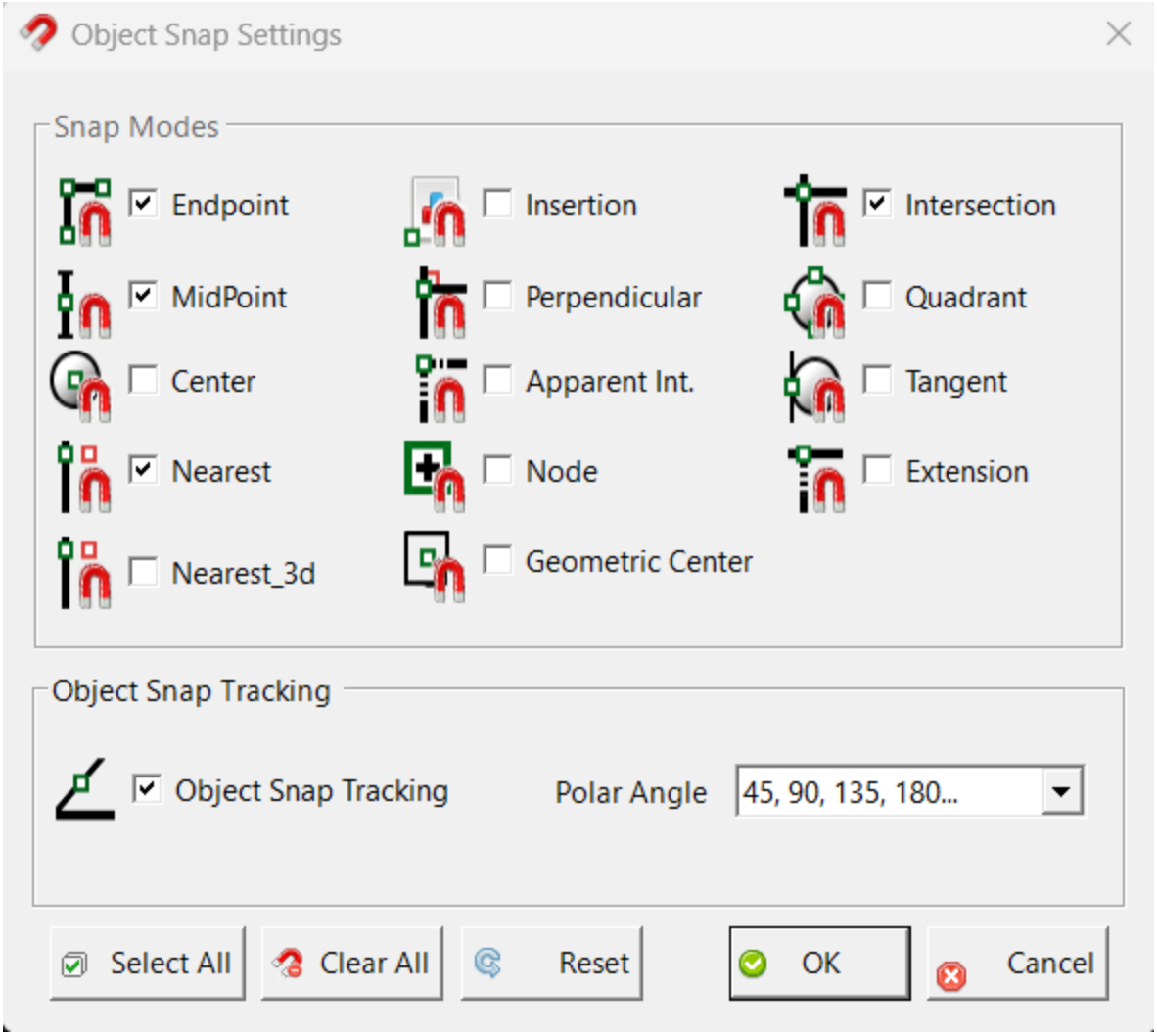
Note: Object Snapping

Object Snap Settings can be called out either by Ctrl + right-mouse click, or clicking the "Snap" button.

To turn on/ off the snap function, press F3



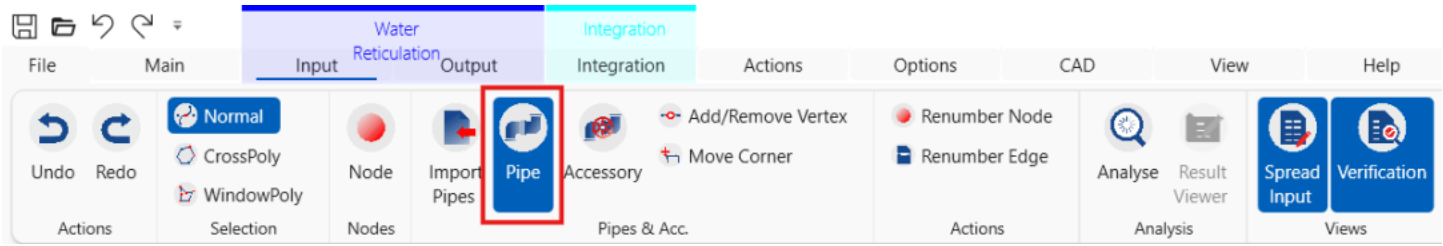
The “Snap” button is located at the Input Tab (RHS)



Object Snap Settings

Pipe

Refers to the water pipe.

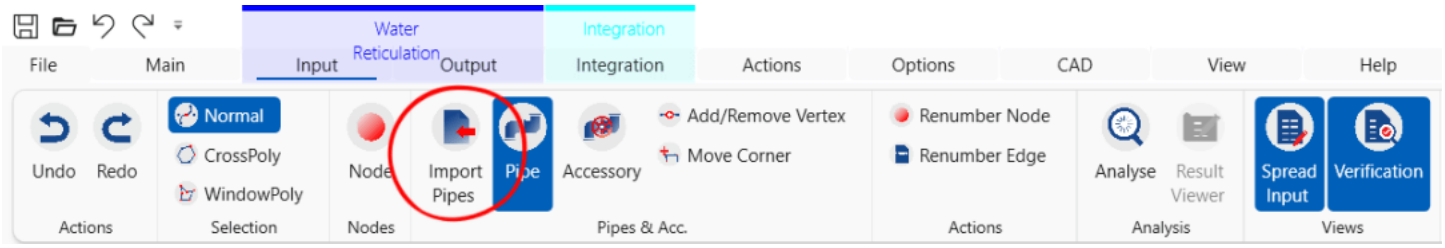


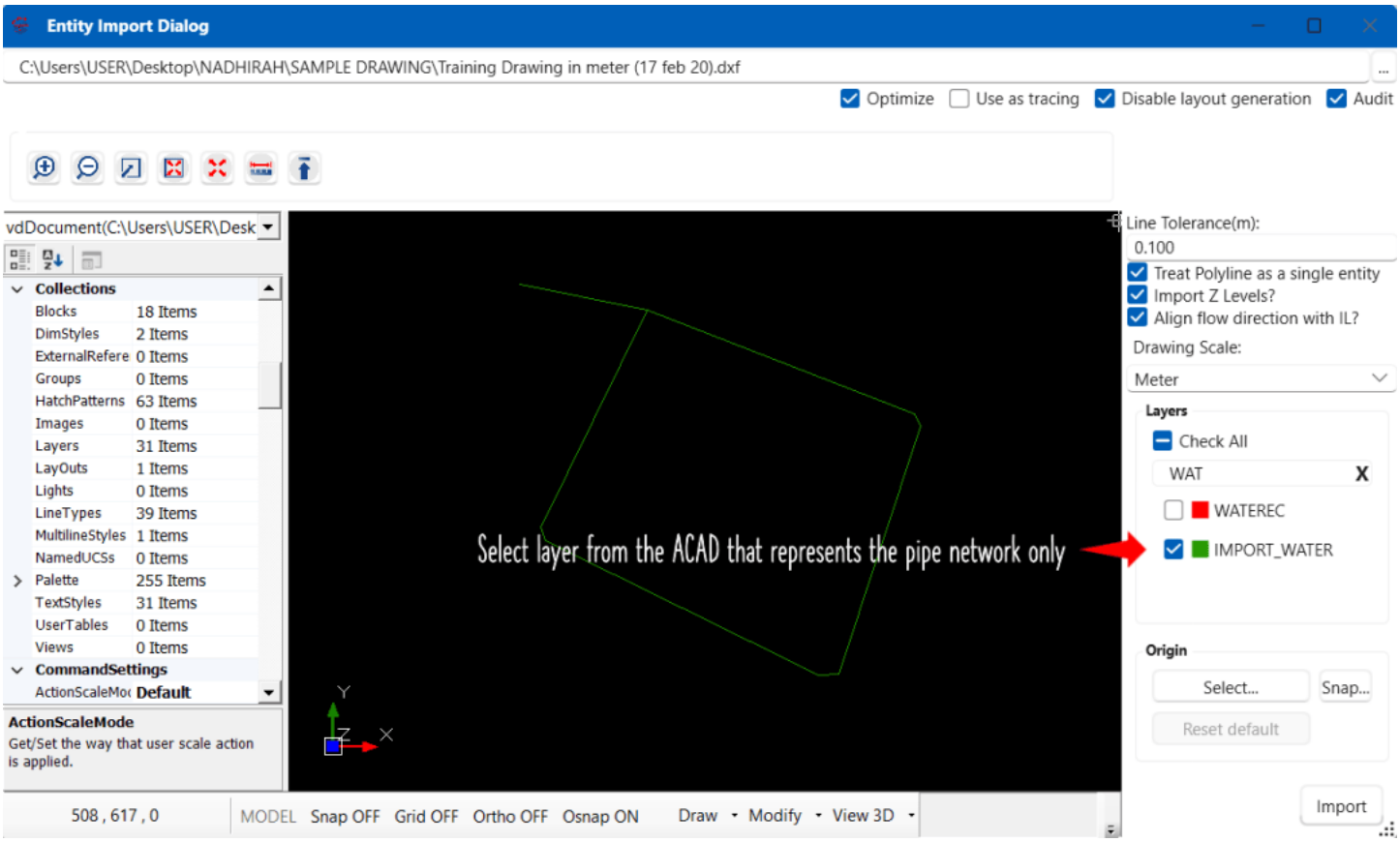
Activate the pipe button, then click anywhere on the screen. Once the cursor turns to '+', draw a line to form a pipeline. A line with 2 nodes at both ends will be generated.

To model a pipe without a node, create a line and hold 'Shift' + left click mouse at the location where

Import Pipe from ACAD

Click Import Pipes, select the ACAD file, and tick only the layer that contains the pipe network from the ACAD drawing.

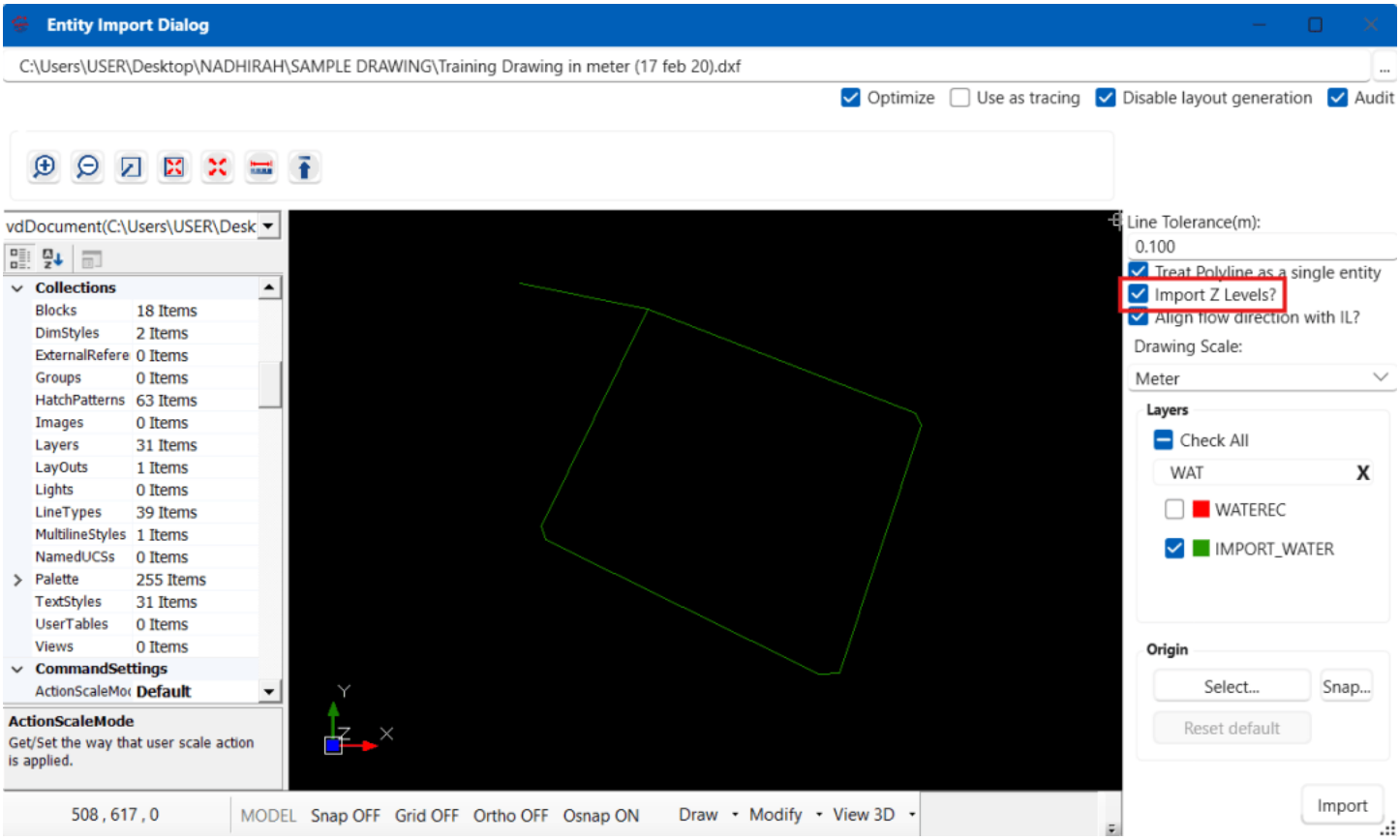




Import Pipe with ‘z-values’

Z-level refers to the invert level of the pipe.

If the lines in the ACAD have internal Z values defined in the Properties, tick “Import Z Levels” checkbox to import the invert levels automatically.



Once layer and settings have been configured, click Import at the bottom right corner

Features of Drain

Break Pipe

To break a pipe into several pipes at a certain length.

Embedded media: https://www.youtube.com/embed/KUhQxs3jPO8?version=3&rel=1&showsearch=0&showinfo=1&iv_load_policy=1&fs=1&hl=en-US&autohide=2&wmode=transparent&enablejsapi=1

Change Length

Change the length of pipe

Embedded media: https://www.youtube.com/embed/-NzElhY7aPo?version=3&rel=1&showsearch=0&showinfo=1&iv_load_policy=1&fs=1&hl=en-US&autohide=2&wmode=transparent&enablejsapi=1

Map Node to Pipe

To connect a drain from a node to the selected drain

Embedded media: https://www.youtube.com/embed/EqUb_lTwcOA?version=3&rel=1&showsearch=0&showinfo=1&iv_load_policy=1&fs=1&hl=en-US&autohide=2&wmode=transparent&enablejsapi=1

Create Offset Pipes

To set a drain with the same length and orientation at a certain offset distance from the original drain selected.

Embedded media: https://www.youtube.com/embed/OJ-jPMJWlV8?version=3&rel=1&showsearch=0&showinfo=1&iv_load_policy=1&fs=1&hl=en-US&autohide=2&wmode=transparent&enablejsapi=1

Show Long Section

Displays the long section of the selected pipe. This function is available after the analysis has been completed.

Embedded media: https://www.youtube.com/embed/rIu09PcXcS0?version=3&rel=1&showsearch=0&showinfo=1&iv_load_policy=1&fs=1&hl=en-US&autohide=2&wmode=transparent&enablejsapi=1

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