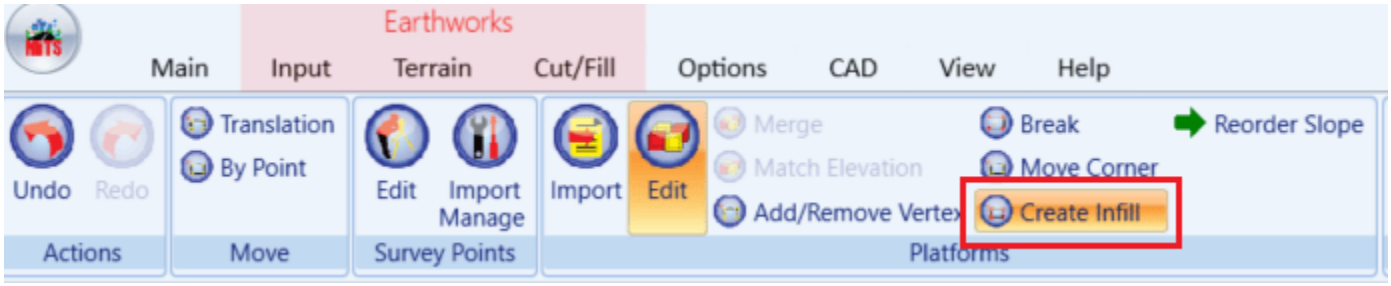
How to Take Higher or Lower Z Neighboring Values for Infill Platform

Earthwork · https://mes100.com/docs/infill-can-now-take-higher-or-lower-z-neighboring-values/

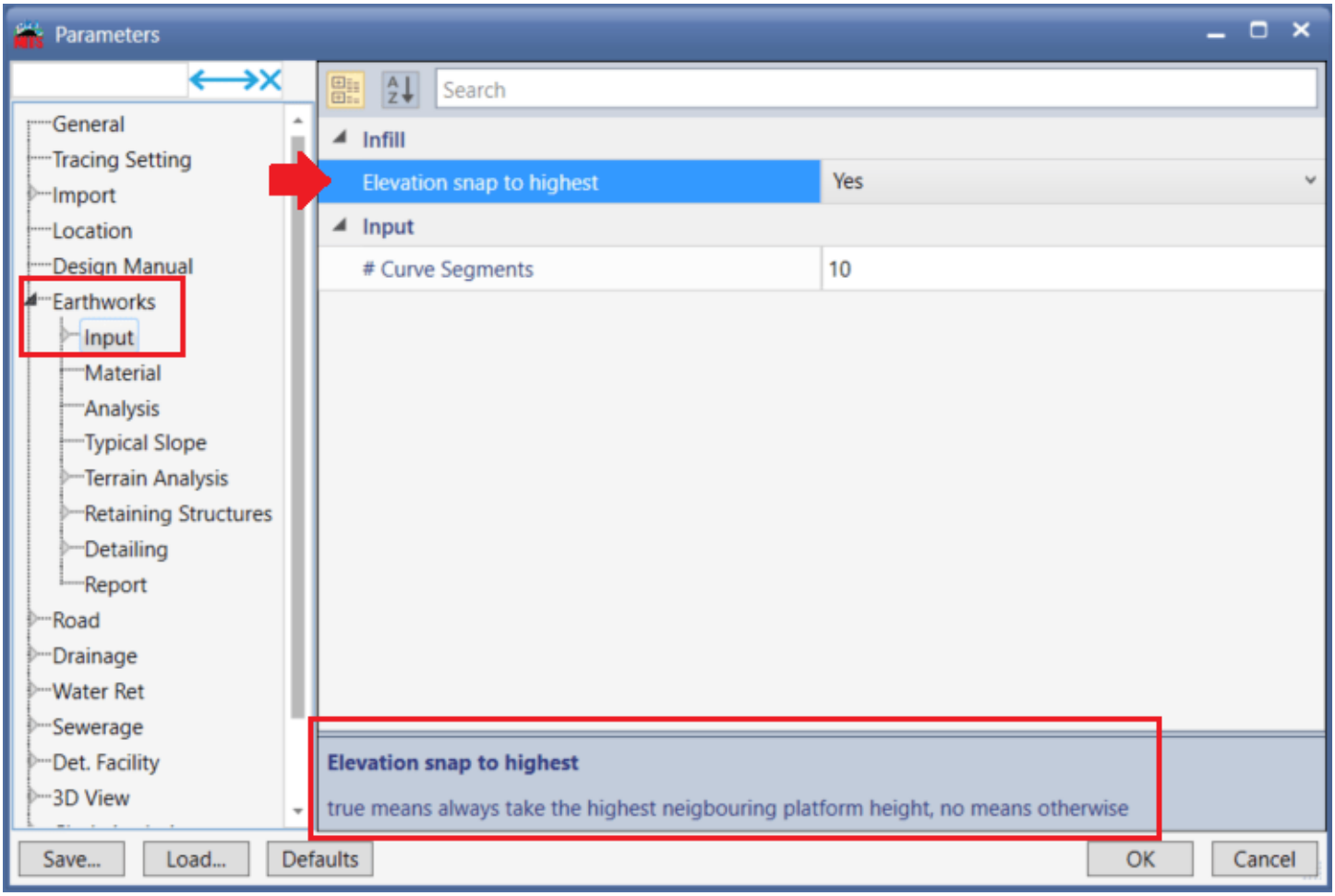
The infill feature comes with function whereby users can choose to connect the edges to the highest or lowest point of the neighboring platforms.



To change the setting, go to *Project Parameters > Earthworks > Input > Infill > At the "Elevation snap to highest'*

YES - software will take the highest neighboring platform height

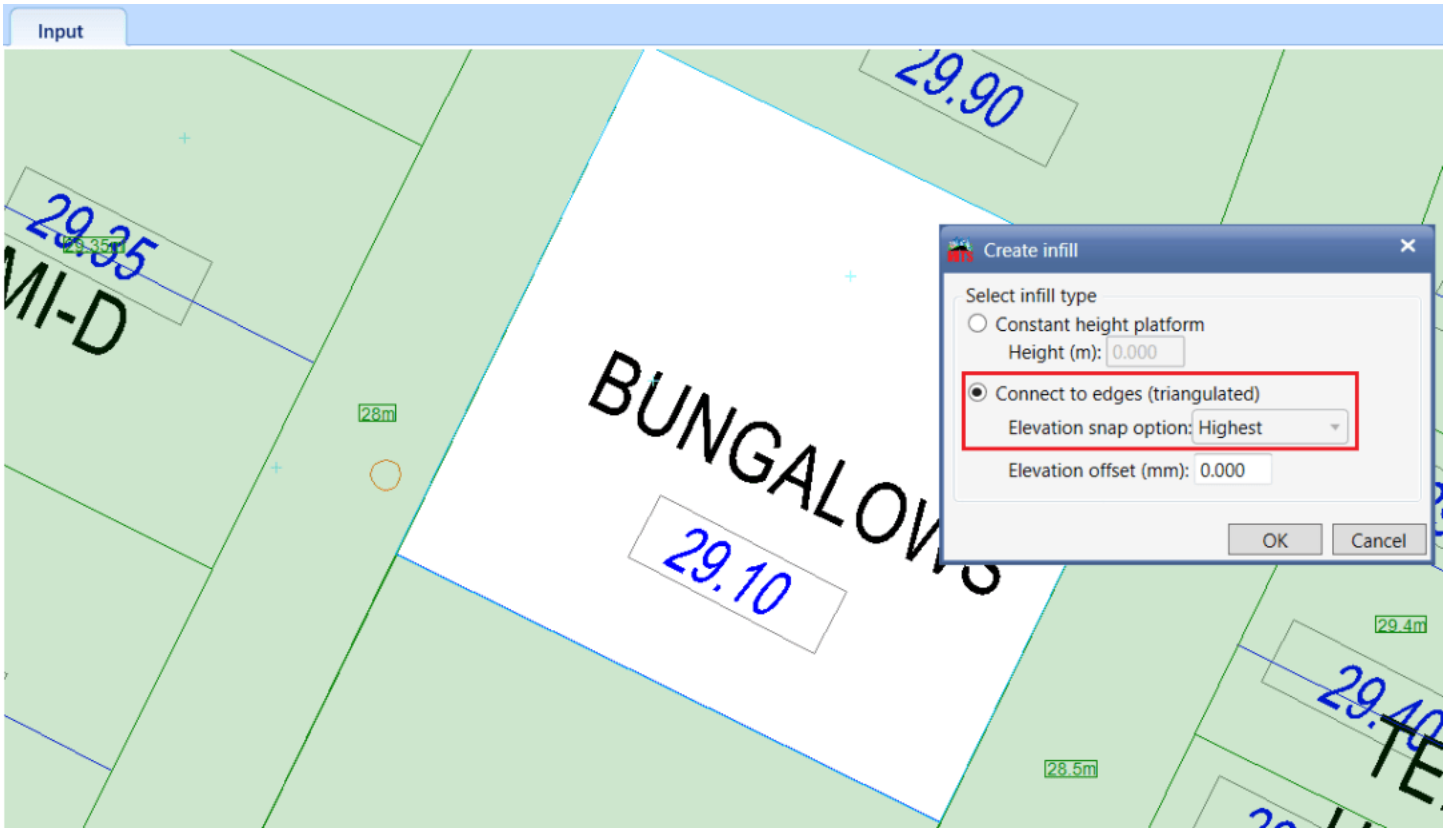
NO - software will take the lowest neighboring platform height

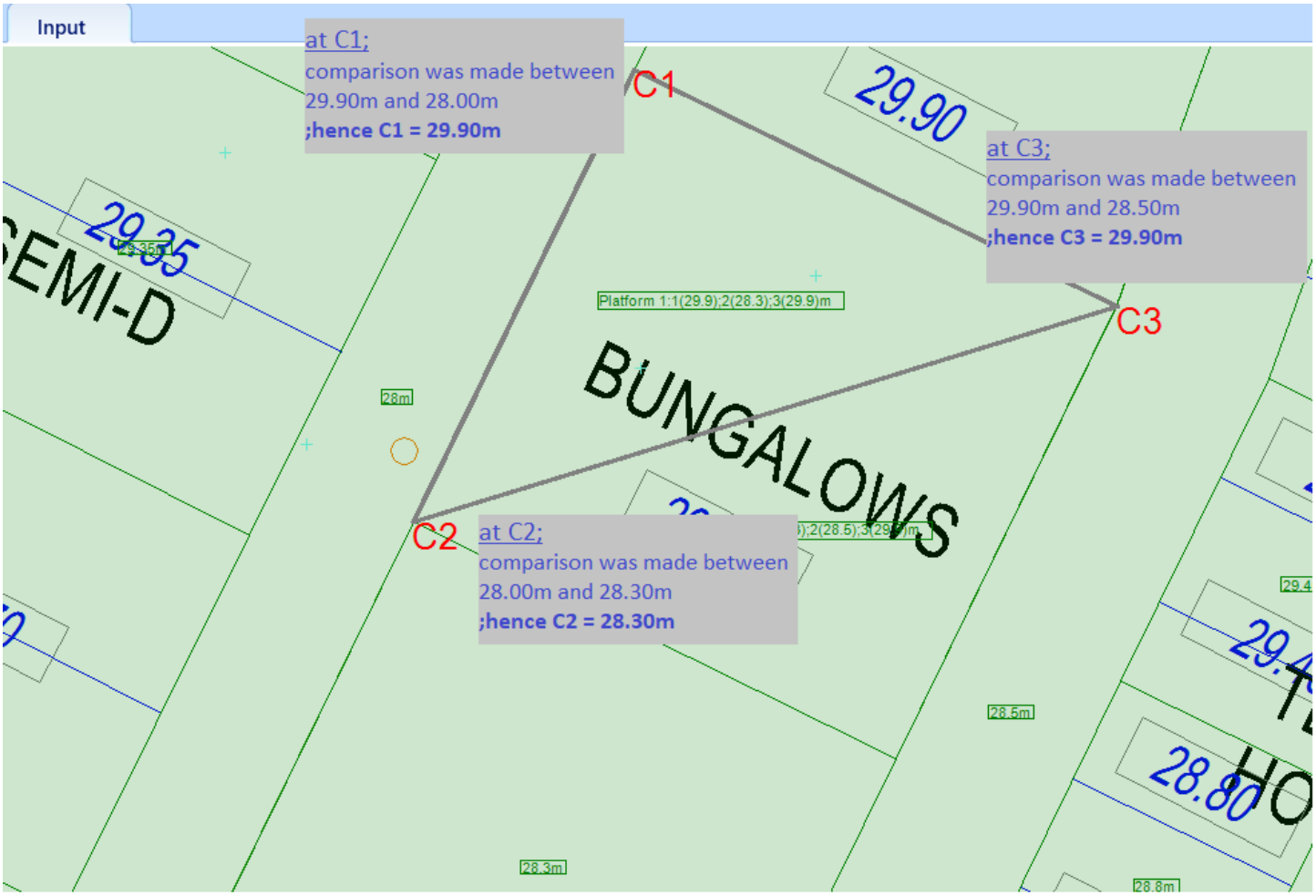


EXAMPLE:

i)if set to YES

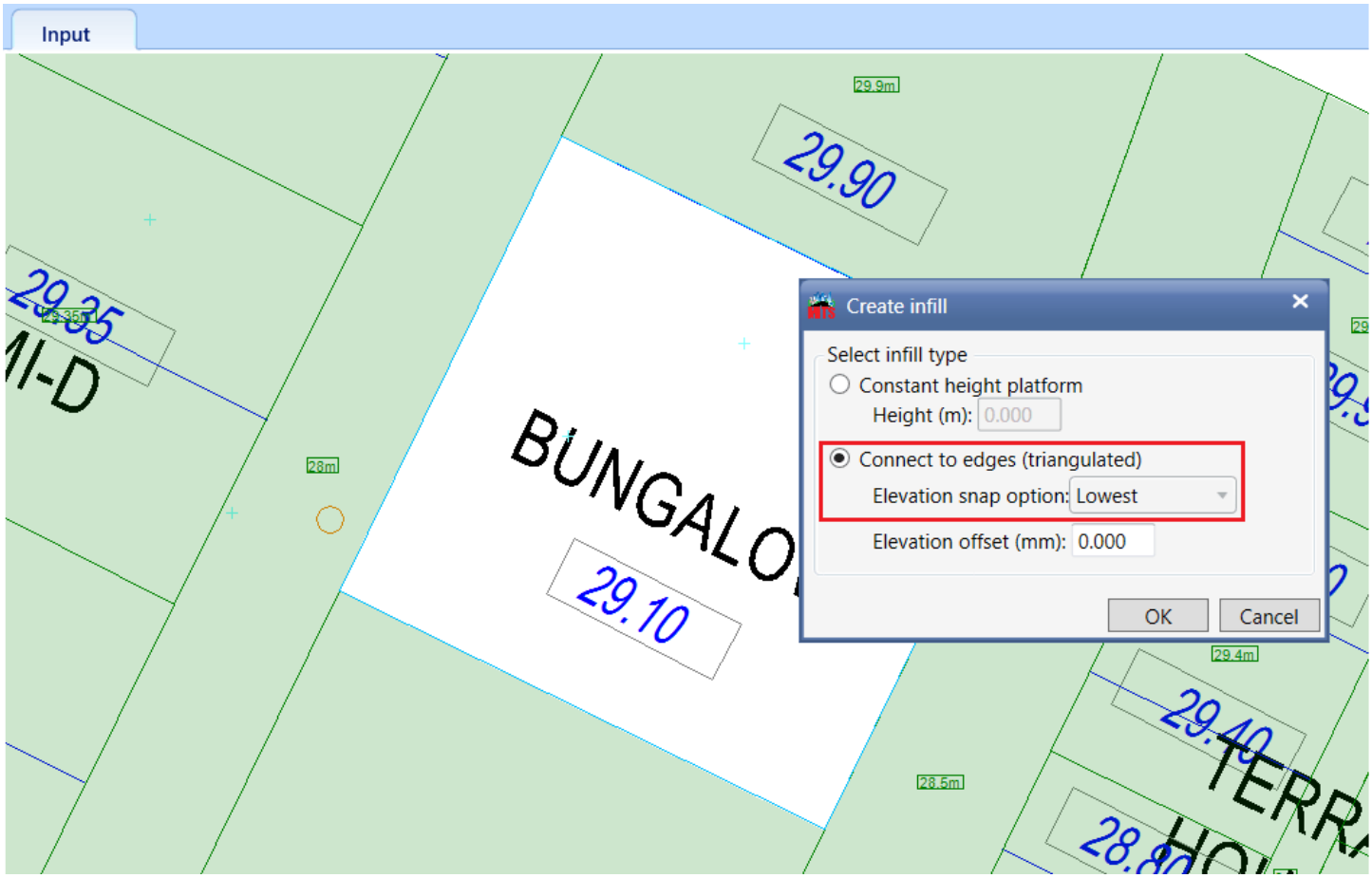
- The connect to edges will be set to highest

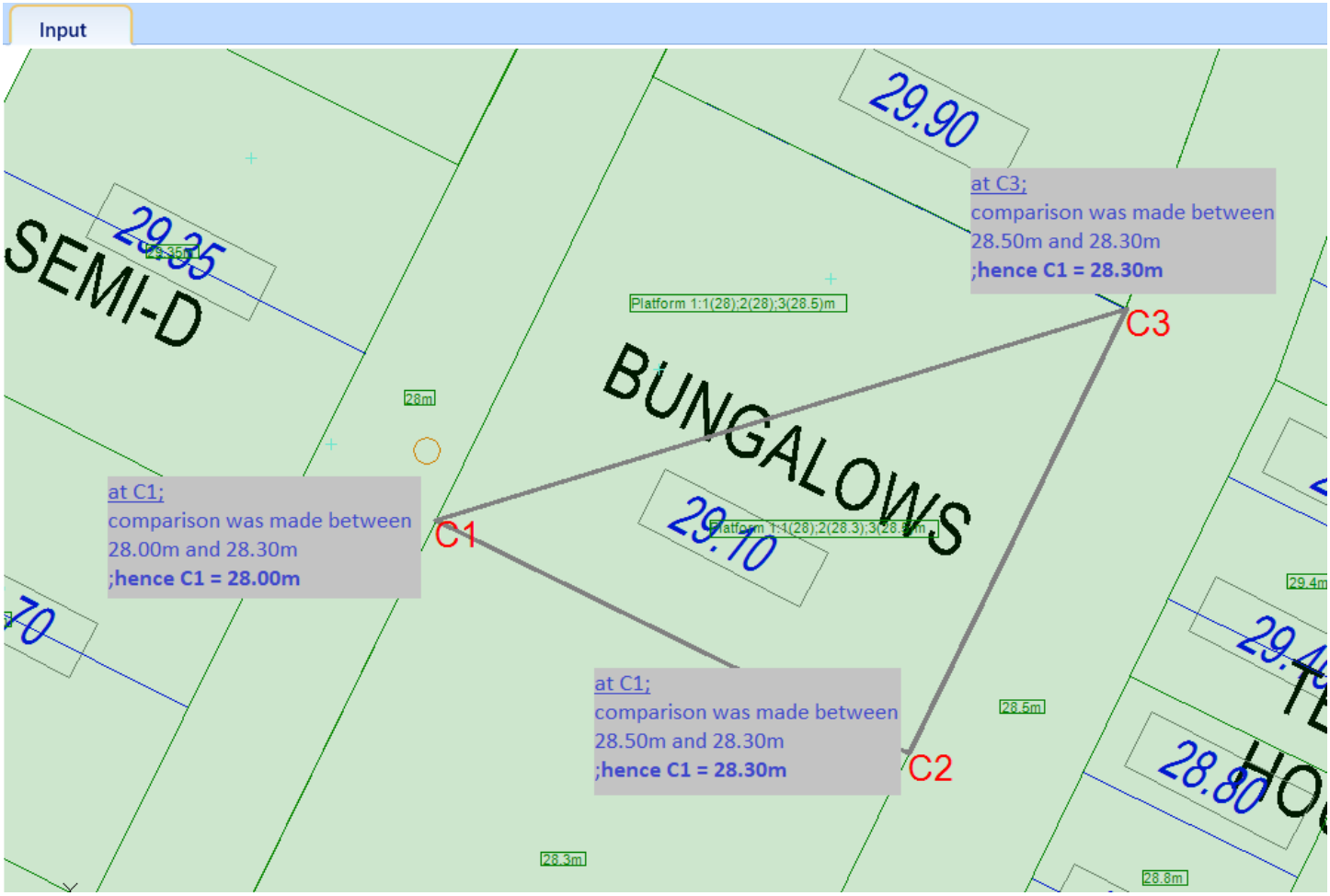

Input
29.90
29.35
MI-D
28m
BUNGALOWS
29.10
28.5m
29.4m
Create infill
Select infill type
Constant height platform
Height (m): 0.000
Connect to edges (triangulated)
Elevation snap option: Highest
Elevation offset (mm): 0.000
OK
Cancel


Input
at C1;
comparison was made between
29.90m and 28.00m
;hence C1 = 29.90m
C1
29.90
at C3;
comparison was made between
29.90m and 28.50m
;hence C3 = 29.90m
C3
29.35
SEMI-D
Platform 1:1(29.9);2(28.3);3(29.9)m
28m
BUNGALOWS
C2
at C2;
comparison was made between
28.00m and 28.30m
;hence C2 = 28.30m
28.5m
28.80
28.3m
28.8m

ii) is set to NO

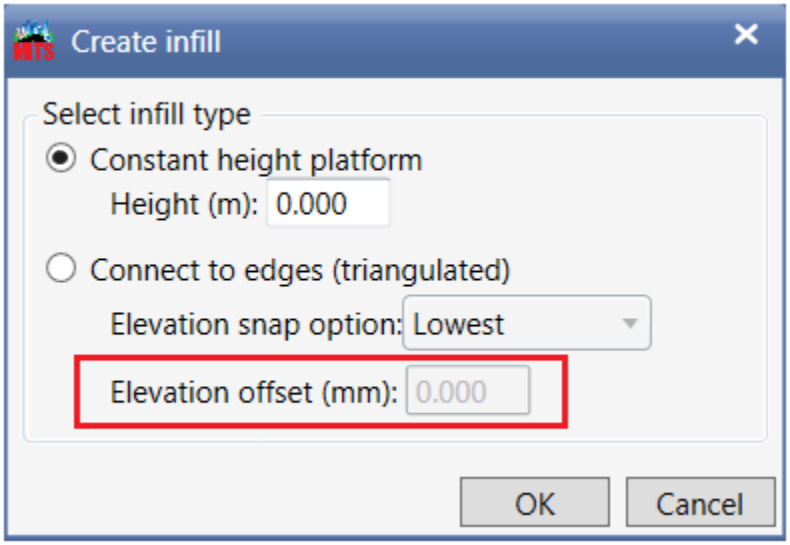
- The connect to edges will be set to lowest



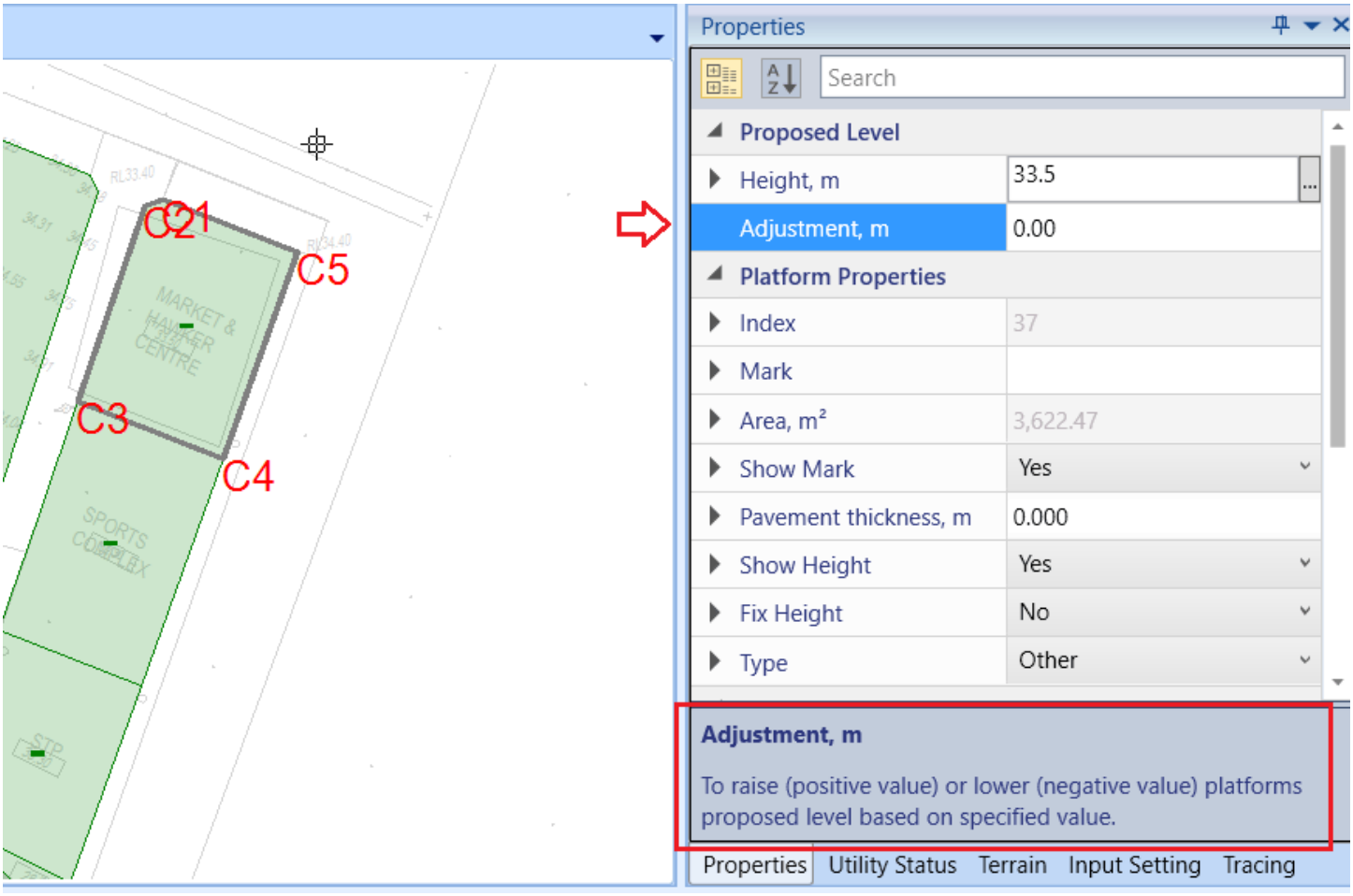


And what about the elevation offset?

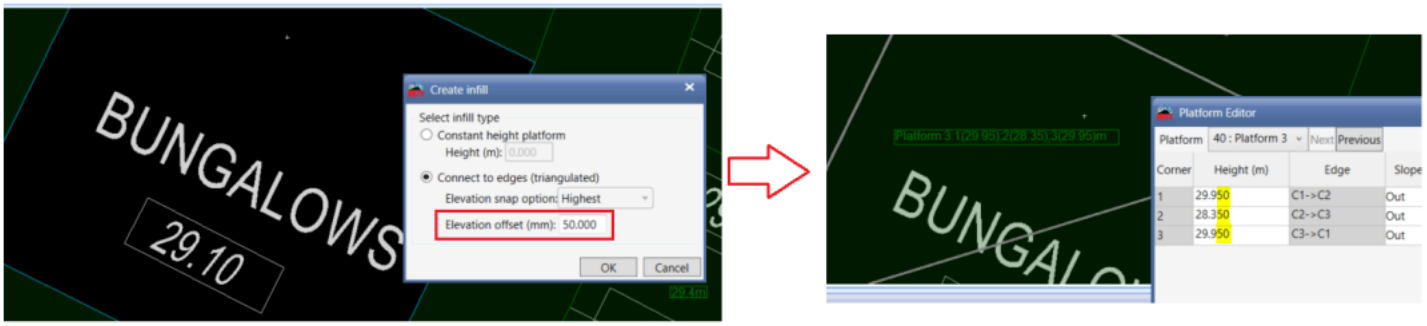
- Elevation offset is to allow user to raise (+ve value) or lower (-ve value) the proposed platform level



- This function equivalent to the ‘adjustment’ function for platform that can be found at the right hand side property grid



- I.e; if set to 50mm, hence when software propose platform level, the elevation offset will be add together which make the proposed platform level raised up by 50mm



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