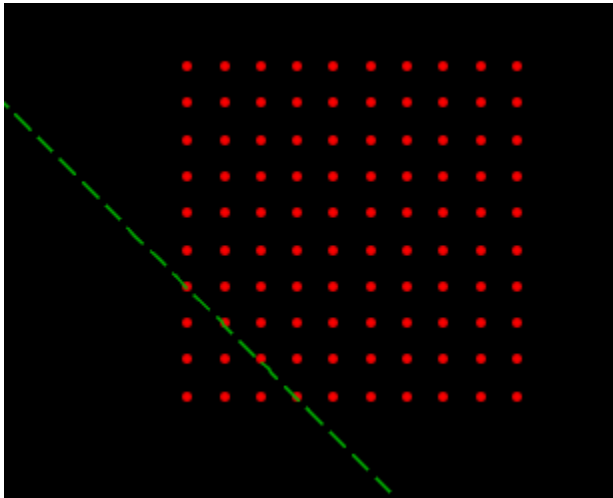# Grid Annotation

1. Place a point at bottom left of proposed grid. This can be outside the terrain. This is used to set the bottom left coordinates of the grid.

2. Create an array of points using MicroStation Array tool (rectangular array) from the original point.

3. Run Terrain > Analyse Elevation report. I have amended the report XSL to minimize the detail given.
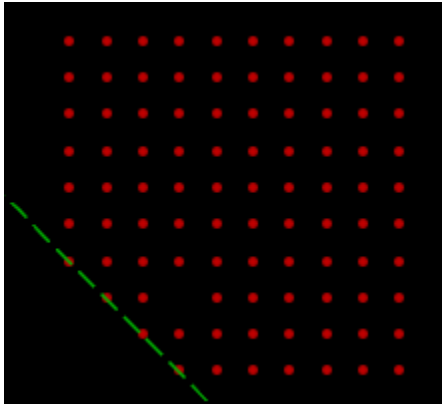
Terrain Elevation Report

Report Created: 21 January 2020
Time: 10:33:18

Element	X	Y	Terrain Z
	7500.000	6720.000	External
	7520.000	6720.000	External
	7540.000	6720.000	External
	7560.000	6720.000	63.543
	7580.000	6720.000	63.685
	7600.000	6720.000	63.697
	7620.000	6720.000	63.826
	7640.000	6720.000	63.794
	7660.000	6720.000	63.981

4. Save to a text file and remove everything except the XYZ coordinates.

5. Amend the text file to remove all points outside the terrain i.e. where the Terrain Z says 'External'.

6. Remove/hide the original array points from the DGN.

6. Use the 'Import coordinates' to get the XYZ values into the DGN. (Drawing > Annotate > Terrain Model)

7. Label the points (use the keyin 'label hidexy on' to stop the XY values being written).