Support Article:

Height Limit Toposurface
Creating and Linking

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Designs are often restricted by the need to stay below limits such as 8.5m above Natural Ground Surface.

A practical way of managing and showing this in your model is to create a 'glass' toposurface which replicates the NGS+8.5m. This is best done in a separate project file which is linked to you primary project file.

After copying in the survey data and creating a toposurface for the NGS in your original project file, save the project to a new name e.g. *MyProject-HeightLimits*

In the new file - *MyProject-HeightLimits* - clean out everything except:

- the NSG toposurface
- the property lines (or a feature that will enable you to place the toposurface in the correct location)
- Zero level - all other levels should be removed
- a plan view
- a section.

In the section move the toposurface up the required amount - usually 8.5m. Copies can also be made at other heights e.g. 9.5m.

Change toposurface material to glass.

Edit poche to be at least 100 000mm (100m) above existing ground level. *Select Massing & Site tab* ➤ *Model Site* and change the *Elevation of poche base*. If the poche is below the level of the toposurface, the toposurface will obscure everything below it.

Import the *MyProject-HeightLimits* file into original project file. Select the *Insert* tab ➤ *Link Revit* and choose the file to be linked - *MyProject-HeightLimits* . Set *Positioning* to *Auto - Origin to Origin*.

For more information on toposurfaces and linking Revit files, refer to Revit Help.