Support Article:

Rotate Project - Graphical Rotate

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After creating Property Lines using distances and bearings, you will often find that a model relative to these Property Lines does not sit horizontally or vertically in the screen or view. This makes modelling much more complicated.

The following procedure explains one method for changing Project North and preserving True North in your project.

Insert survey and create property lines

Determine the relationship between the proposed model

Rotate to align proposed model with *Project North*

Rotate to correct *True North*

Correct *Property Lines*
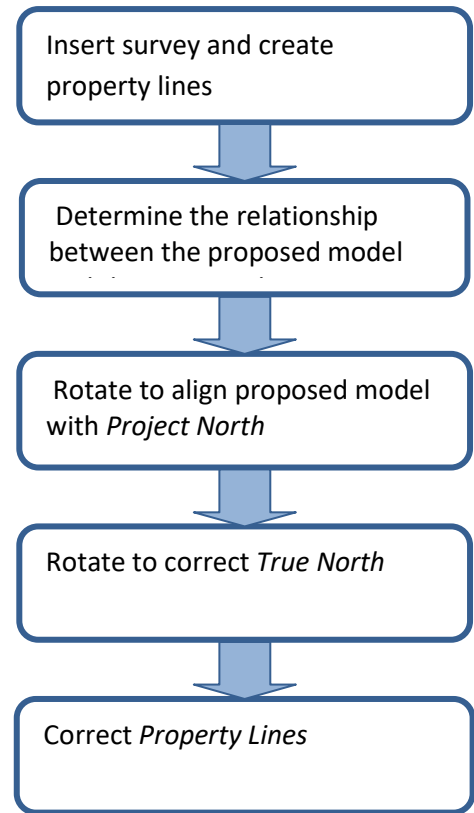
Insert the survey as a *dwg* or *jpg* files (optional) and create *Property Lines* using distances and bearings.

Open ARChetype views *01.01 Site Project North* and 01.02 *Site True North*. Tag property lines in both views. The property lines and survey will have the same orientation in both of the *01.01 Site Project North* and the *01.02 Site True North* views.

01.01 Site Project North
Showing imported dwg survey and Property Lines.
Note that Property Line Style has been altered for clarity and is not as defined in ARChetype
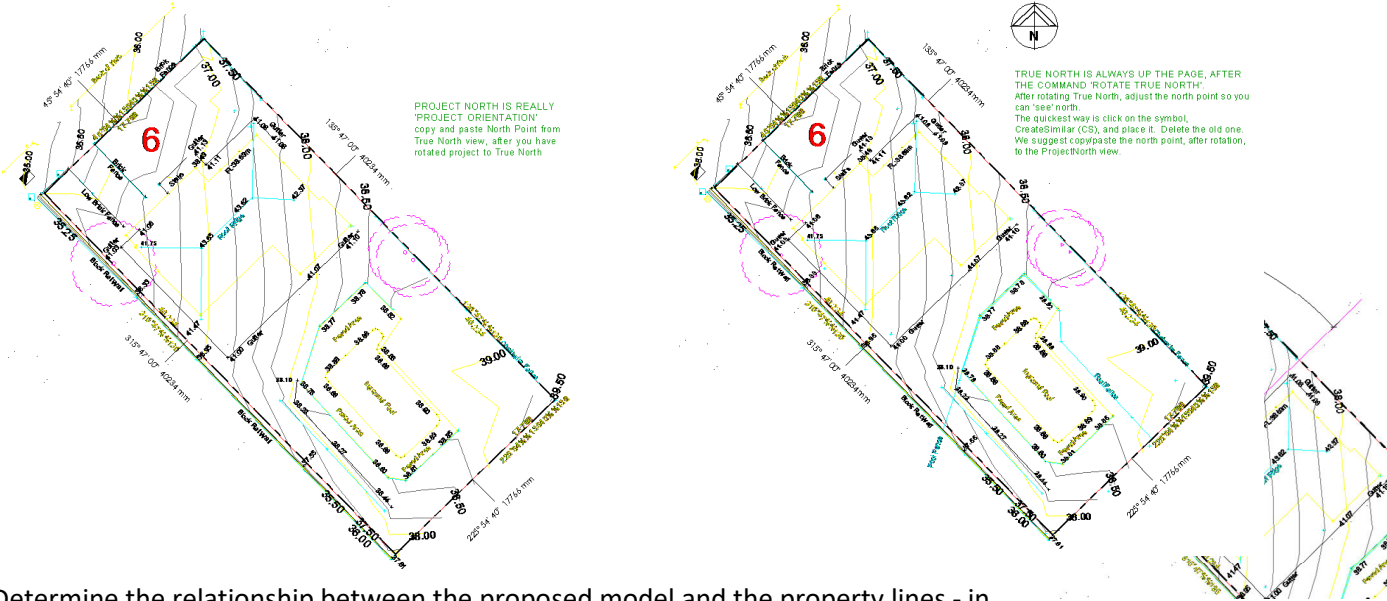
Determine the relationship between the proposed model and the property lines - in this example we will assume that the building model is parallel to the front boundary. Draw a *Detail Line* representing the orientation of the proposed model. Also draw a *Detail Line* vertically (or horizontally as required) in the view. The angle between these two lines will be the rotation angle used.

In the example the rotation angle is 45.91^{o} counter clockwise.

Select the survey, property lines and initial detail line. Rotate these by the determined angle - or until the initial detail line is vertical (or horizontal) on the screen. This can be done in either view.

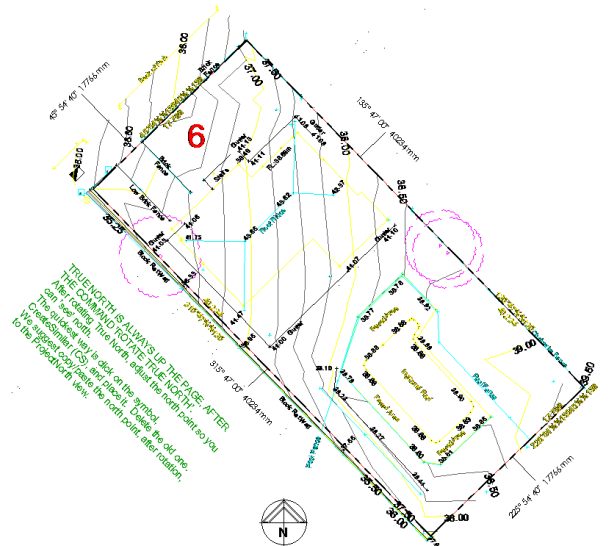After rotation you will note that the property line labels are no longer correct.
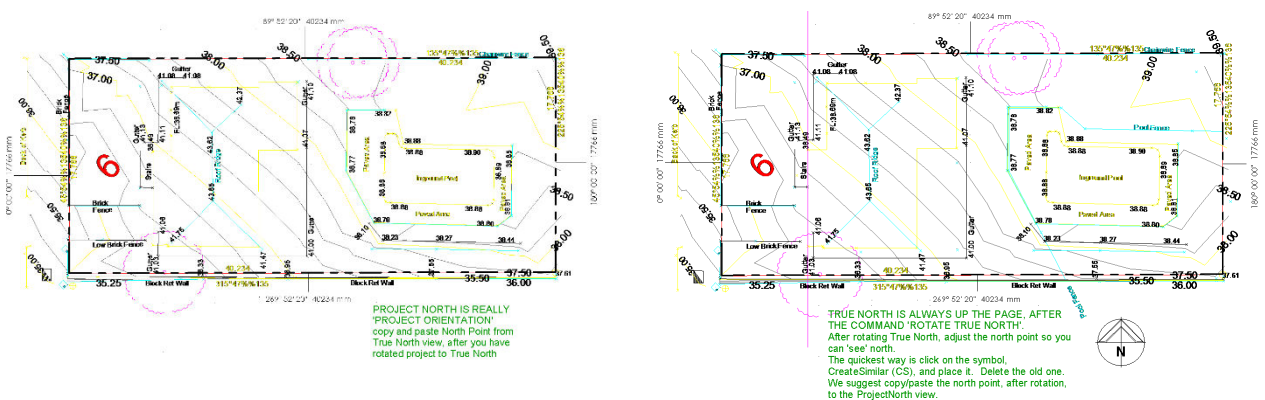
At this point, *01.01 Site Project North* appears as required but 01.02 *Site True North* is incorrect. In the *01.02 Site True North* view, use the *Rotate True North* command to correct True North back to the original orientation. (Use the angle determined previously).
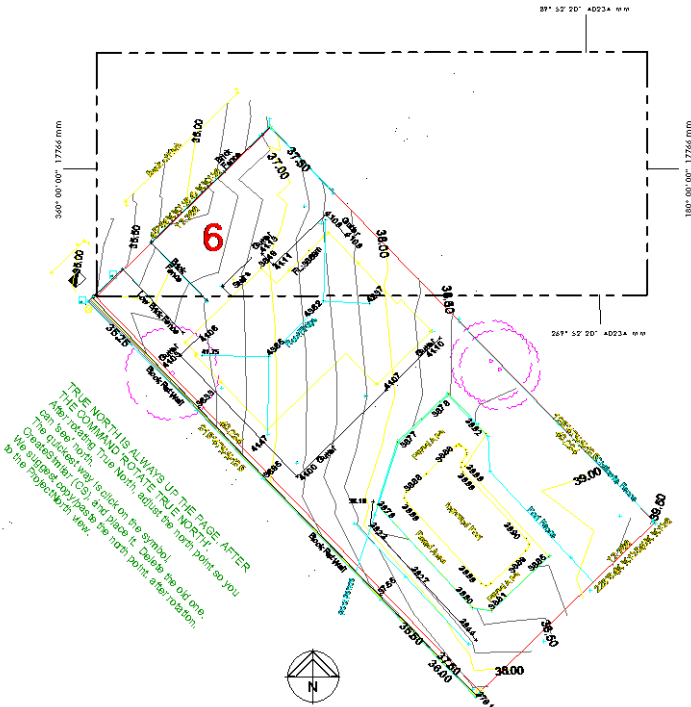
The property lines will not rotate with this command. In the 01.02 *Site True North* view, select the property lines and rotate to the correct orientation (use the angle determined previously). You will note that the property line labels are now correct in both views.
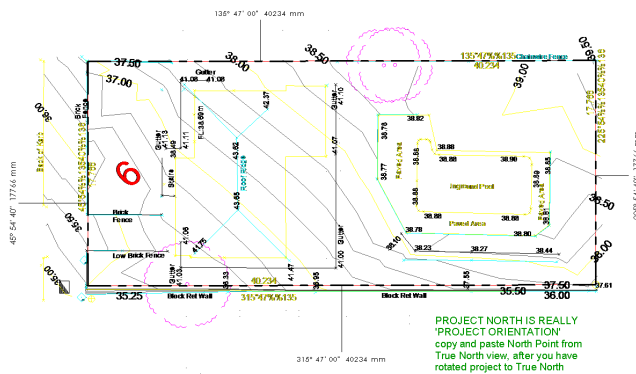
01.01 Site Project North

01.02 Site True North