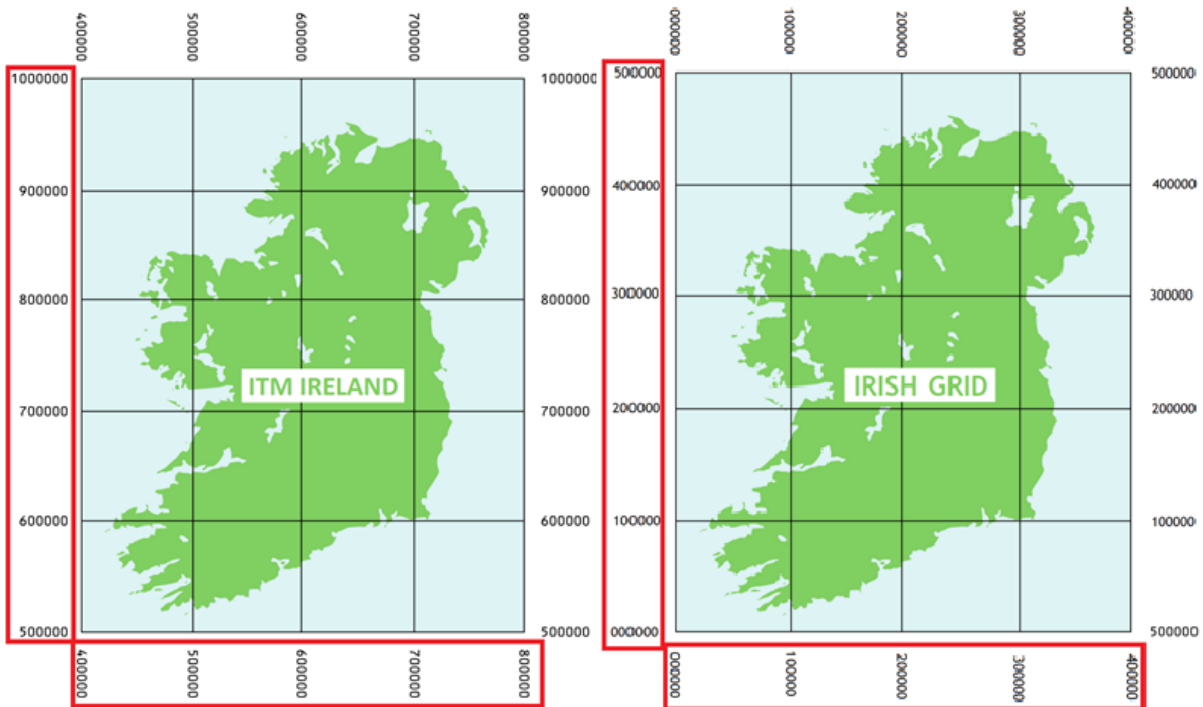


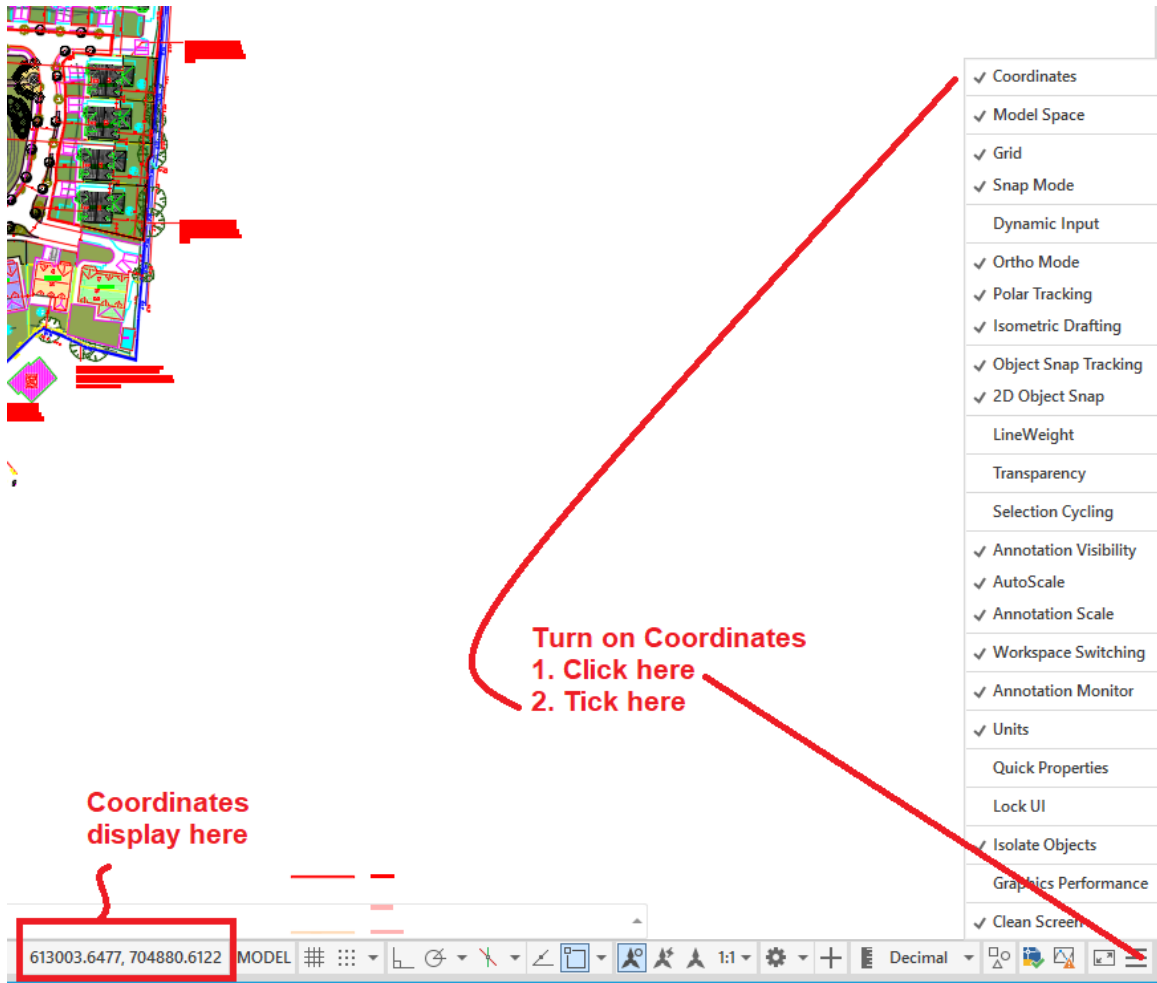
GEOREFERENCE FOR CONTRACTORS – FAQ

How can I check the drawing is georeferenced before I leave the office?

You can get an indication that the drawing is georeferenced by opening it in Autocad and see if the drawing coordinates appear to be in either of the following systems:



In Autocad you can ID POINT to get the coordinates of a point, or you can turn on Coordinates like this:



However, you can't definitively check that the drawing is **correctly** georeferenced, until you go to site and stake out the boundaries. If the boundaries are correct this is your conclusive check that the drawing is correctly georeferenced.

What is the difference between georeferenced and geolocated?

For surveying purposes, they can be considered synonymous

My drawing is not georeferenced, what can I do?

1. Use the GNSS rover to survey the site boundary.
2. Send the survey to the architect/designer.
3. Instruct him:
 - a. Do NOT move the survey in Autocad
 - b. Place the building(s) design on the survey
 - c. Send the new drawing to the contractor for setting out.

Who should carry out the survey.

Under ***Conditions of Contract for Private Sector Building and Engineering Works Designed by the Employer v1 27Mar2020***

(<https://cif.ie/download/private-sector-contract-psc-for-building-and-engineering-works-designed-by-the-employer/>)

for building work in Ireland, the contractor is responsible for ensuring that the building is set out correctly.

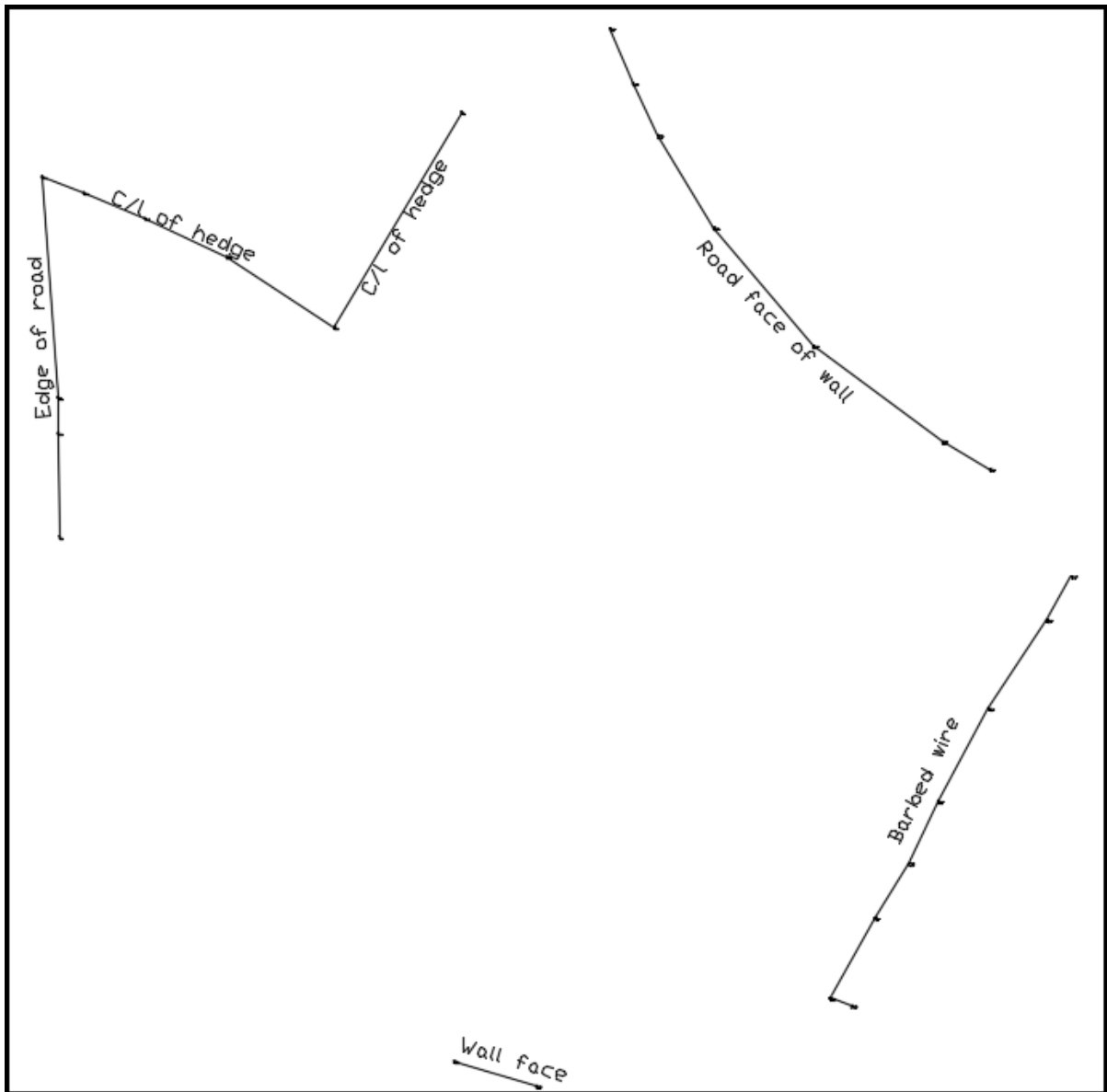
7.7 Setting Out the Works

The Contractor shall set out the Works by reference to the points, lines and levels of reference in the Works Requirements. The Contractor shall be responsible for the correct positioning of all parts of the Works and shall rectify any errors in the positions, levels, dimensions or alignment of the Works. Before setting out the Works the Contractor shall make all reasonable efforts to verify the accuracy of the setting out information in the Works Requirements.

Given this, it seems reasonable that he should carry out the boundary survey to ensure that this is so.

What should I survey when doing the boundary survey?

This is a typical boundary survey:



Note:

Unit 17 Block Q, Grants Rd, Greenogue Business Park, Rathcoole, Dublin T: 01-2572323 E: info@hitechniques.ie www.hitechniques.ie

1. It is not necessary that the boundary be continuous throughout. It is only necessary that the architect can identify where the building plan should be placed
2. The surveyed lines should be well defined on the ground, e.g. centreline of hedge or edge of road.
3. If the object has a thickness, e.g. wall, it is necessary to identify which face has been surveyed.

Who should “move, rotate, scale” the building drawing on the survey?

The architect or designer should do this. This should NOT be done by the contractor. If the architect or designer has designed the building ‘blind’, i.e., without having a survey of the site carried out, then the contractor is being reckless in placing the building on the survey.

Frequently architects/designers use OSI planning maps for design work. This is no different to working ‘blind’. Any line on an OSI map can be up to 2m out of position and all OSI maps carry a disclaimer pointing this out.

How can I “move, rotate, scale” my drawing to the correct location?

You shouldn’t, see “My drawing is not georeferenced...” above.