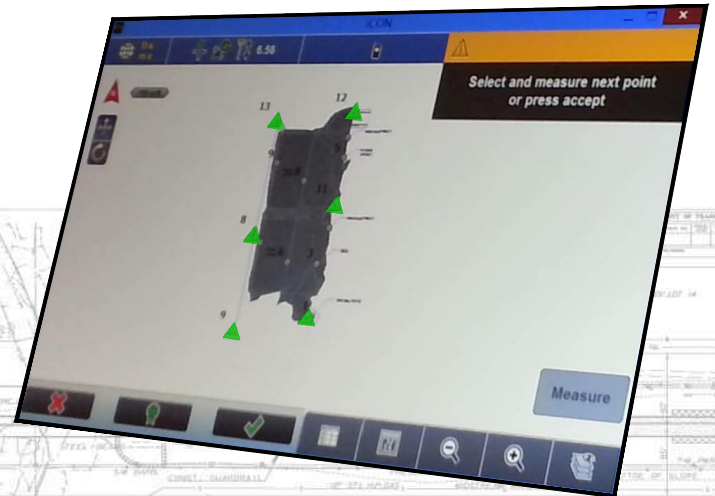


- Localization is a process of matching GPS coordinates with the local jobsite coordinates. GPS Lat-Long-Height measurements are made on known x-y-z positions on the jobsite, and the two coordinate systems are matched.
- Minimum of (4) control points (northing, easting and elevation or x-y-z) that “box-in” the entire site. Control points must surround the entire site to ensure the best GPS accuracy.
- Control points should be located outside the construction limits to ensure the control point is in-place throughout the entire construction phase.
- GPS control points cannot be located under trees/close to buildings or be located under anything that would obstruct the GPS equipment from the satellites.
- In cases where there is a considerable amount of elevation change across the site, control points should be placed in the high and low points surrounding the site.
- (1) extra control point located on-site to verify grade is ideal, but not necessary for localization



- A best practice for customers being successful with machine control is that they have a quarterback or champion that will “own” the machine control efforts

- On average a medium size job will run \$800 - \$2,000 dollars to get a model done.
- The process for modeling can take up to 1-2 weeks depending on your model provider and their work load as well as the engineering firms detail on the plans.



- Typical files needed for the development of 3D model
  1. PDF of construction plans
  2. Auto Cad file electronically



- Files specific to Leica machine control are an .XML, .DXF and .LOK