That CAD Girl

Frequently Asked Questions

What features & menus are in Carlson Survey with embedded AutoCAD (OEM)? (a running thread)

FAQ: What are the latest improvements in Carlson Software?



Features and Benefits of Survey 2017 with embedded AutoCAD (OEM)

Carlson Survey is a comprehensive program containing all of the tools that a surveyor needs. Here are some of the things you can do with **Carlson Survey**:

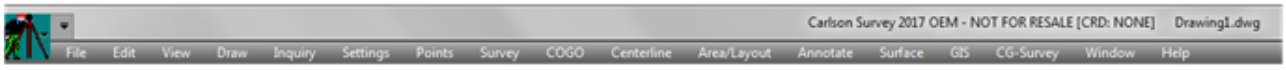
- Access both the Carlson Survey and the full C & G menus,

- Utilize the very best software tools for all your site design & subdivision design needs,
- Enter deed descriptions and generate a variety of lot reports including fully customizable legal descriptions,
- Enter deed descriptions and correlate field located property corners with deed property corners to find the best fit orientation & alignment,
- Use the Deed Reader command to extract deed line and curve data from a text file (the text file can sometimes be generated using the OCR feature of scanning software),
- Use the Lot Network feature to create a dynamic subdivision design that takes into account road centerline and right of way, building setbacks, wetland or poor soils areas and inserts one or more building footprints onto each lot,
- Have full point CAD management capabilities including data collector download/upload, import/export points in text and most other formats including Civil 3d,
- Process raw data files using various methods including SurvNet Least Squares,
- Perform dozens of COGO functions,
- Use Field to Finish (F2F) to process automatic linework and description key/description code definitions,
- Utilize dozens of time-saving point stake out commands,
- Import surfaces from Civil 3d and Google Earth®,
- Create surface model files for existing and proposed conditions,
- Edit the contours generated from a surface model and automatically update the underlying TIN file,
- Design and balance cut and fill for one or more building pads at a time,
- Calculate earthwork volumes between two surfaces including building pads, stockpiles and borrow pits,
- Create, define, edit and draw centerline alignments using

a variety of methods including best fit,
- Create, define, edit and draw profiles using a variety of methods,
- Automatically update stationing when centerlines change, profiles when centerlines or surfaces change, etc,
- Automatically generate plan and profile sheets in model or paper space,
- Import, edit and export GIS shape files,
- Import a variety of image files including MrSid and geo-referenced TIF and JPG files.

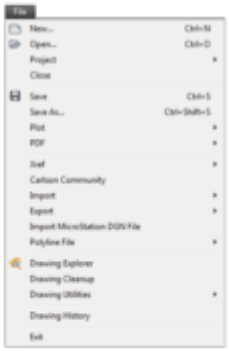
Menus in Survey 2017 with embedded AutoCAD (OEM)

Menu bar in Survey 2017 showing the compact version of the CG-Survey menu



The menus below are available in Carlson Survey 2017 with embedded AutoCAD (OEM)

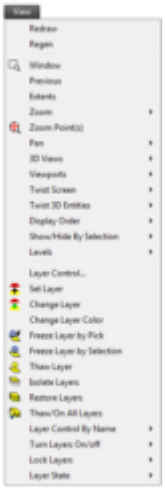
File Menu



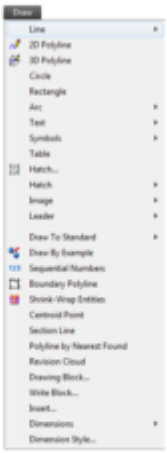
Edit Menu



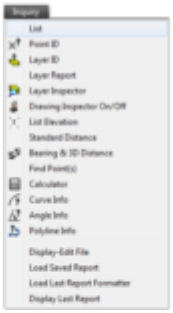
View Menu



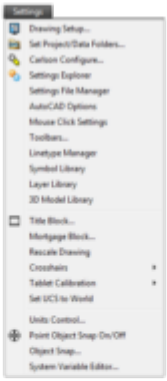
Draw Menu



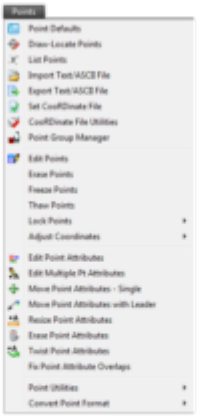
Inquiry Menu



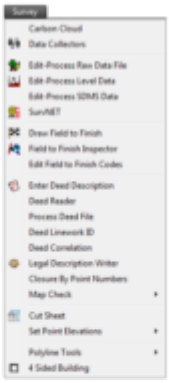
Settings Menu



Points Menu



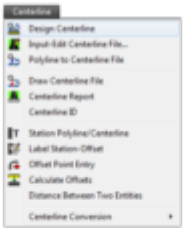
Survey Menu



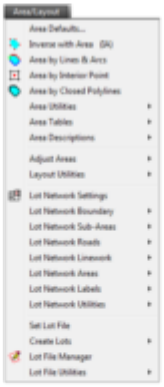
COGO Menu



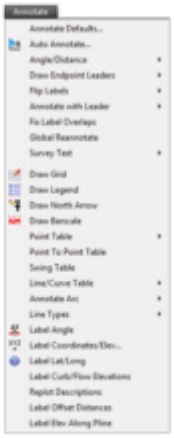
Centerline Menu



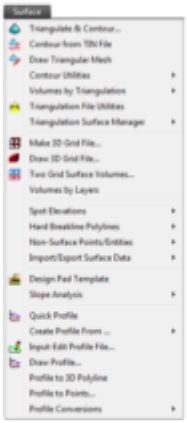
Area/Layout Menu



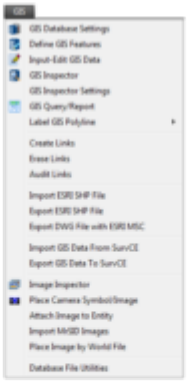
Annotate Menu



Surface Menu



GIS Menu



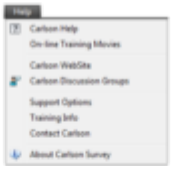
CG-Survey Menu



Window Menu



Help Menu

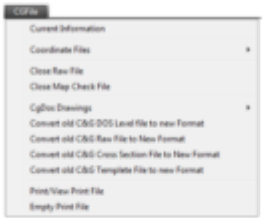


Menu bar in Survey 2017 showing the expanded version of the CG-Survey menu

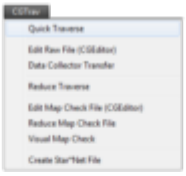


The menus below are available when using the expanded version of the CG-Survey menu

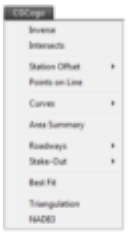
CG File Menu



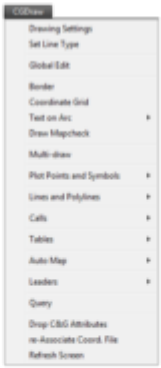
CG Trav Menu



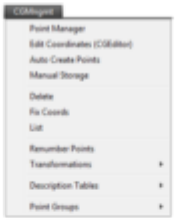
CG Cogo Menu



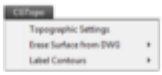
CG Draw Menu



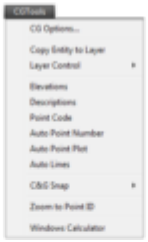
CG Mngmt Menu



CG Topo Menu



CG Tools Menu



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