That CAD Girl

Frequently Asked Questions

What features & menus are in the non-OEM Carlson Survey program? (a running thread)

FAQ: What are the latest improvements in Carlson Software?

Features and Benefits of Survey 2017

Carlson Survey is a comprehensive, CAD software 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

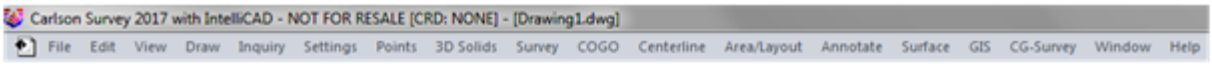
reports including fully customizable legal descriptions,

- 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 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 via CAD software 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,

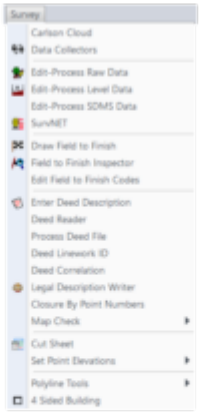
- Automatically update stationing when centerlines change, profiles when centerlines or surfaces change, etc,
- Automatically generate plan and profile sheets in model or paper space,
- Import, edit and export GIS shape files,
- Import a variety of image files including MrSid and geo-referenced TIF and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

Menus in Survey 2017

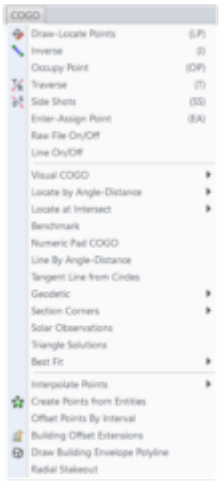
Menu bar in Survey 2017 showing the compact version of the CG Survey menu



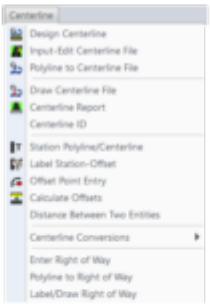
Survey Menu



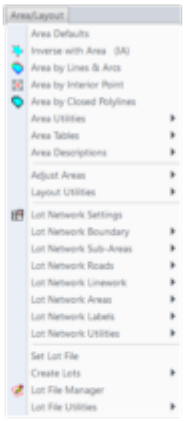
COGO Menu



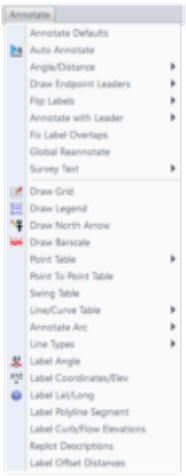
Centerline Menu



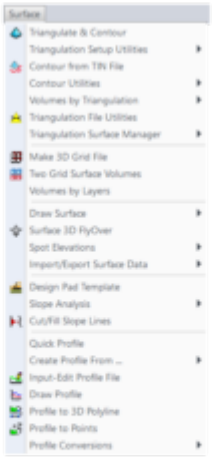
Area/Layout Menu



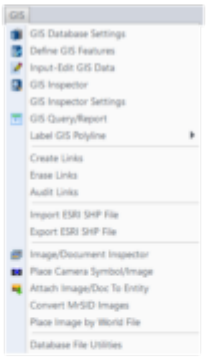
Annotate Menu



Surface Menu

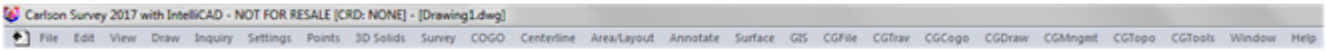


GIS Menu



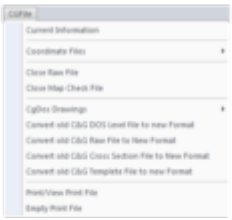
CG-Survey Menu

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



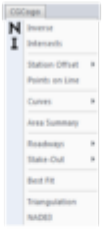
The menus below are available when using the expanded version of the CG-Survey menu

CG File Menu

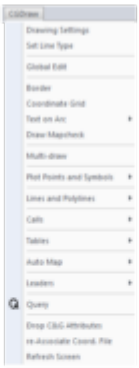


CG Trav Menu

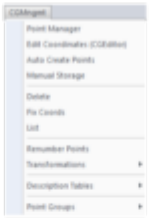
CG Cogo Menu



CG Draw Menu

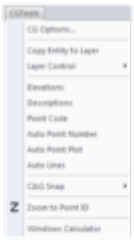


CG Mngmt Menu



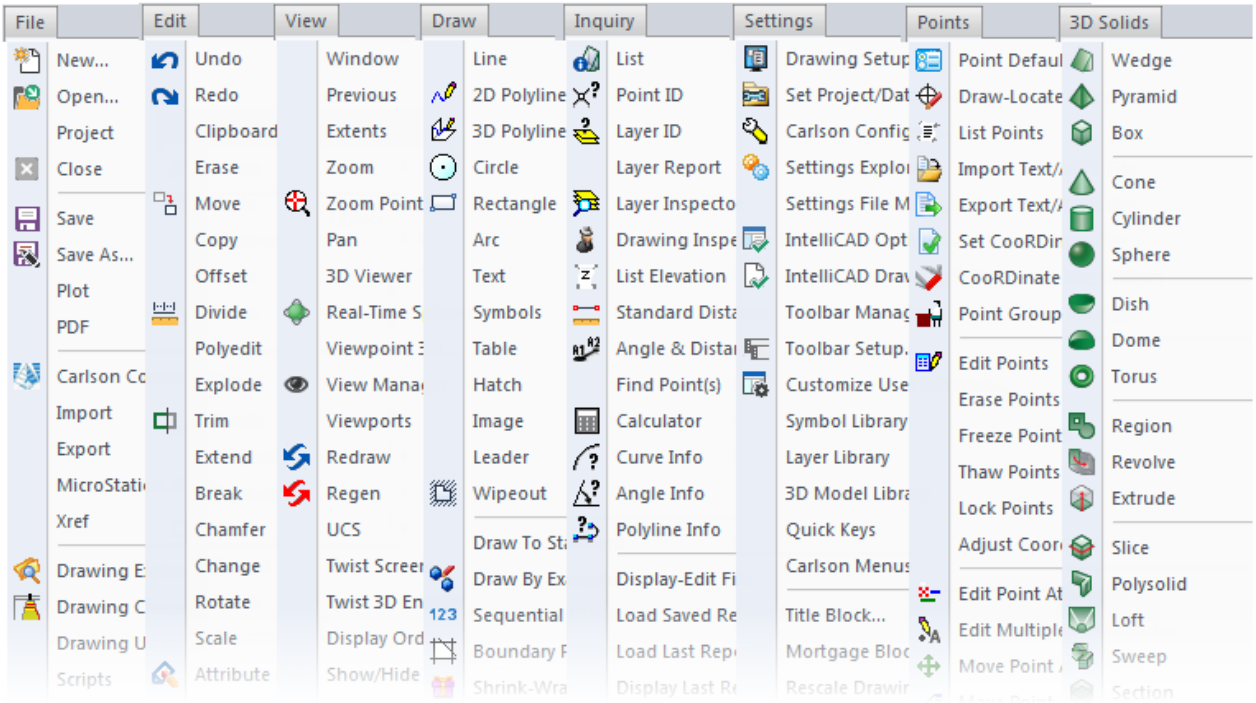
CG Topo Menu

CG Tools Menu



The menus below are in all non-OEM programs of Carlson 2017 desktop software

(Click image to see more)



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