

# That CAD Girl

## Frequently Asked Questions

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### [FAQ301] 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**:

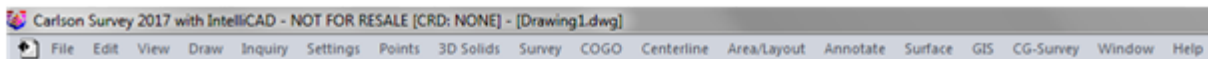
- Access both the Carlson Survey and the full C & G menus,
- Utilize the very best software tools for all your site

- 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,

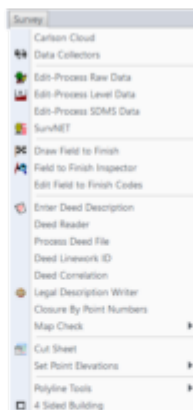
- Create, define, edit and draw profiles using a variety of methods,
- Automatically update stationing when centerlines change, profiles when centerlines or surfaces change, etc,
- Automatically generate plan and profile sheets in model or paper space,
- Import, edit and export GIS shape files,
- Import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

## ***Menus in Survey 2017***

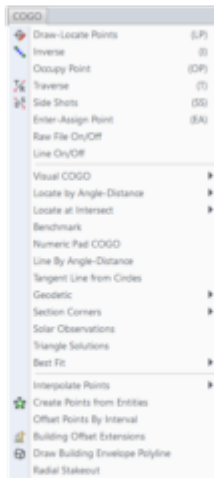
**Menu bar in Survey 2017 showing the compact version of the CG Survey menu**



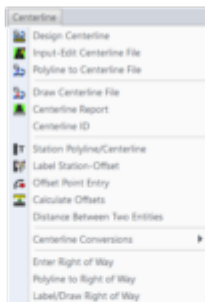
### **Survey Menu**



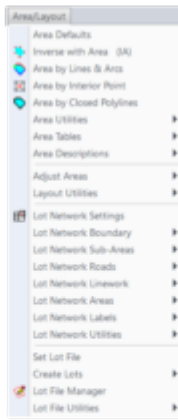
## COGO Menu



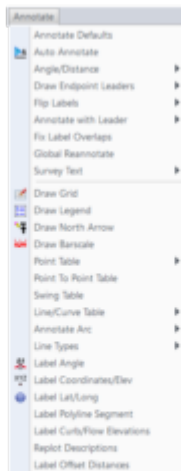
## Centerline Menu



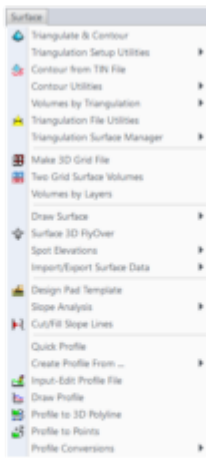
## Area/Layout Menu



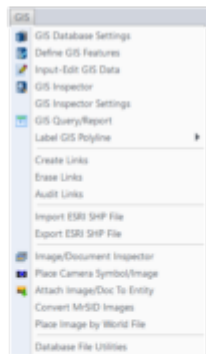
## Annotate Menu



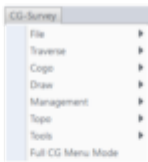
## Surface Menu



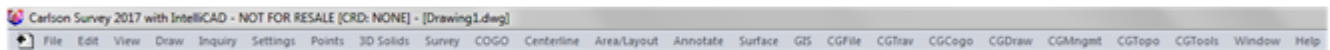
## GIS Menu



## CG-Survey Menu



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

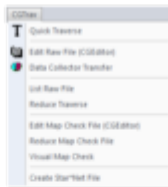


**The menus below are available when using the expanded version of the CG-Survey menu**

**CG File Menu**

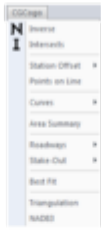


## CG Trav Menu

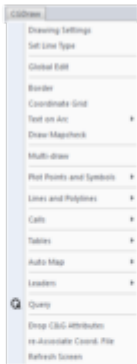


## CG Cogo Menu

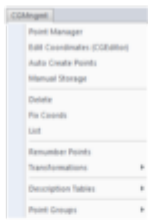




## CG Draw Menu



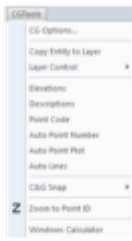
## CG Mngmt Menu



## CG Topo Menu

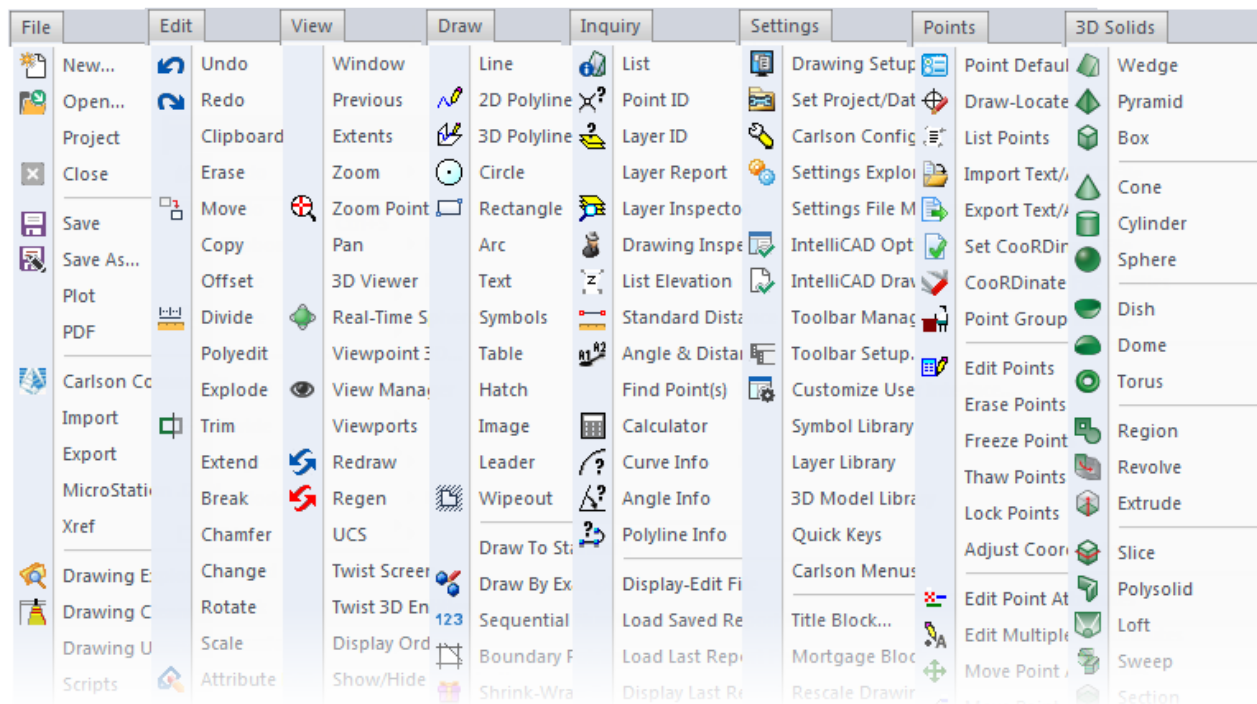


## CG Tools Menu



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

(Click image to see more)



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## That CAD Girl

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