

# That CAD Girl

## Frequently Asked Questions

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### [FAQ302] 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**:

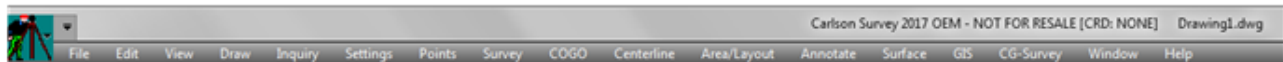
- Access both the Carlson Survey and the full C & G menus,

- 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.

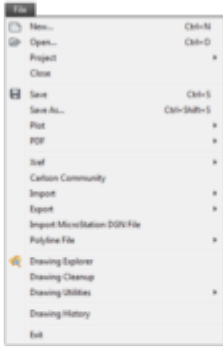
## ***Menus in Survey 2017 with embedded AutoCAD (OEM)***

**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)**

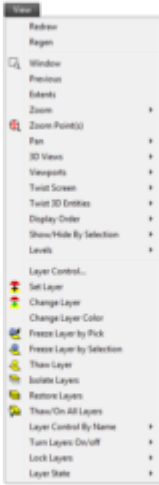
### **File Menu**



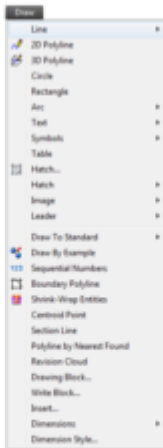
## Edit Menu



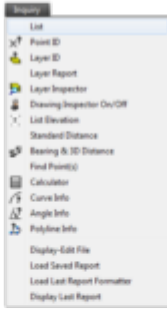
## View Menu



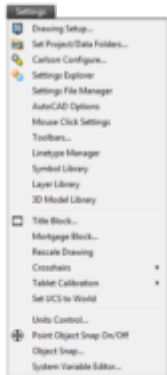
## Draw Menu



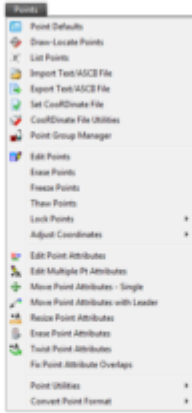
## Inquiry Menu



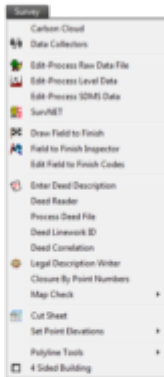
## Settings Menu



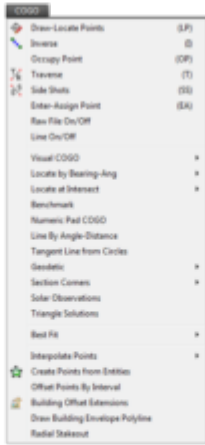
## Points Menu



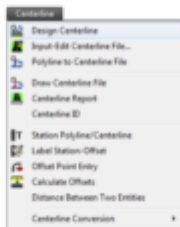
## Survey Menu



## COGO Menu

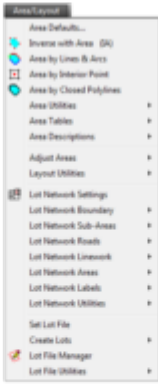


## Centerline Menu

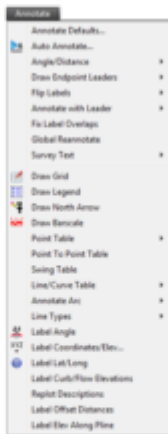


## Area/Layout Menu

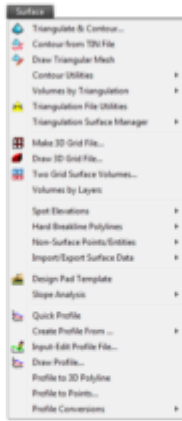




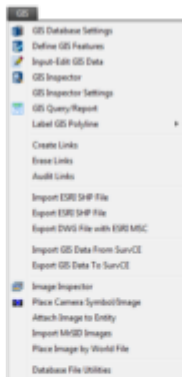
## Annotate Menu



## Surface Menu



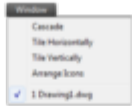
## GIS Menu



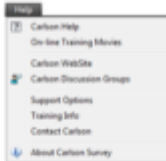
## CG-Survey Menu



## Window Menu



## Help Menu



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

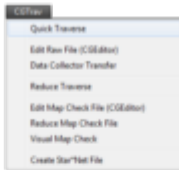


**The menus below are available when using the expanded version of the CG-Survey menu**

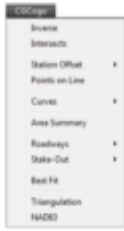
**CG File Menu**



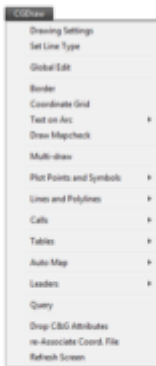
## CG Trav Menu



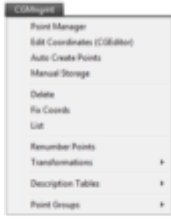
## CG Cogo Menu



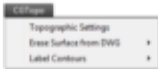
## CG Draw Menu



## CG Mngmt Menu



## CG Topo Menu



## CG Tools Menu



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## That CAD Girl

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