That CAD Girl

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

August 20, 2016
FAQ: What are the latest improvements in Carlson Software?

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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**:

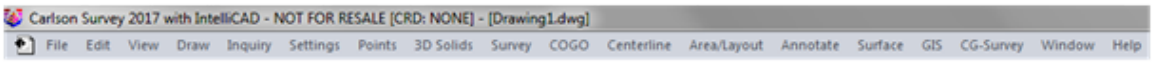
- Access both the Carlson Survey and the full C & G menus,
- Utilize the very best software tools for all your site design & subdivision design needs,
- Enter deed descriptions and generate a variety of lot reports including fully customizable legal descriptions,
- Enter deed descriptions and correlate 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,

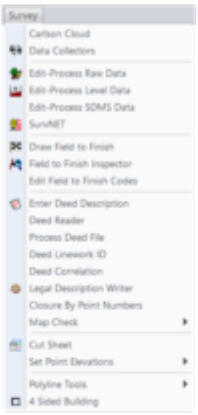
etc,
- Automatically generate plan and profile sheets in model or paper space,
- Import, edit and export GIS shape files,
- Import a variety of image files including MrSid and geo-referenced TIF and JPG files.

Menus in Survey 2017

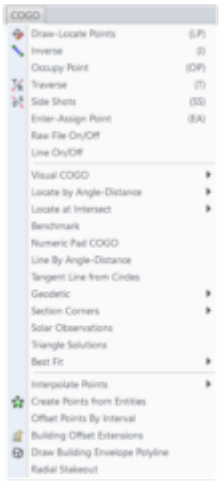
Menu bar in Survey 2017 showing the compact version of the CG Survey menu



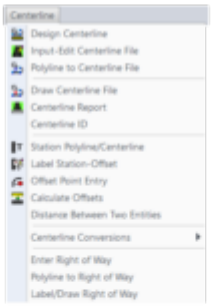
Survey Menu


Survey
Carlson Cloud
Data Collectors
Edit-Process Raw Data
Edit-Process Level Data
Edit-Process SDMS Data
SurvNET
Draw Field to Finish
Field to Finish Inspector
Edit Field to Finish Codes
Enter Deed Description
Deed Reader
Process Deed File
Deed Linework ID
Deed Correlation
Legal Description Writer
Closure By Point Numbers
Map Check
Cut Sheet
Set Point Elevations
Polyline Tools
4 Sided Building

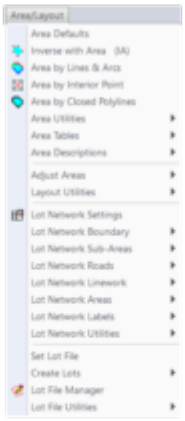
COGO Menu



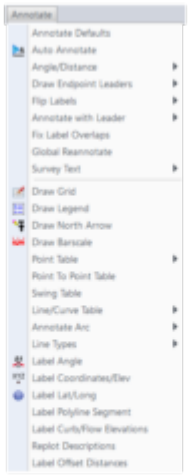
Centerline Menu



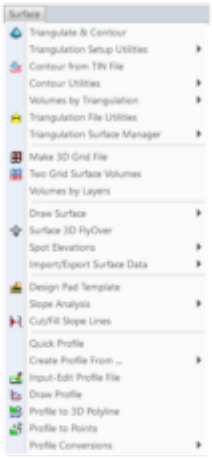
Area/Layout Menu



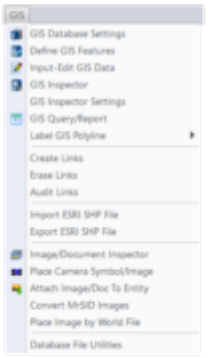
Annotate Menu



Surface Menu


Surface
Triangulate & Contour
Triangulation Setup Utilities
Contour from TIN File
Contour Utilities
Volumes by Triangulation
Triangulation File Utilities
Triangulation Surface Manager
Make 3D Grid File
Two Grid Surface Volumes
Volumes by Layers
Draw Surface
Surface 3D FlyOver
Spot Elevations
Import/Export Surface Data
Design Pad Template
Slope Analysis
Cut/Fill Slope Lines
Quick Profile
Create Profile From ...
Input-Edit Profile File
Draw Profile
Profile to 3D Polyline
Profile to Points
Profile Conversions

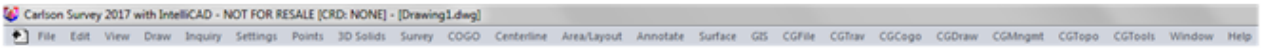
GIS Menu



CG-Survey Menu

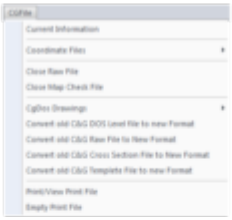


Menu bar in Survey 2017 showing the expanded version of the CG-Survey menu



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

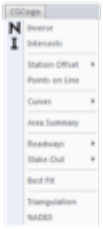
CG File Menu



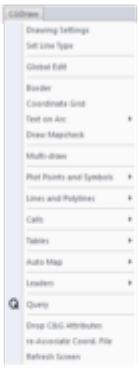
CG Trav Menu


CGTabs
Quick Traverse
Edit Raw File (CGEditor)
Data Collector Transfer
List Raw File
Reduce Traverse
Edit Map Check File (CGEditor)
Reduce Map Check File
Visual Map Check
Create StarNet File

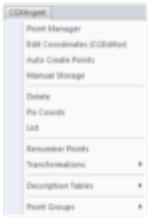
CG Cogo Menu


CGDraw
Inverse
Intersects
Station Offset
Points on Line
Curves
Area Summary
Roadways
Stake-Out
Best Fit
Triangulation
NADB3

CG Draw Menu



CG Mngmt Menu

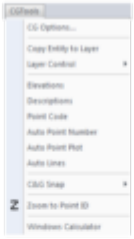

CGMagnet
Point Manager
Edit Coordinates (CGEditor)
Auto Create Points
Manual Storage
Delete
Fix Coords
List
Renumber Points
Transformations
Description Tables
Point Groups

CG Topo Menu



CG Tools Menu

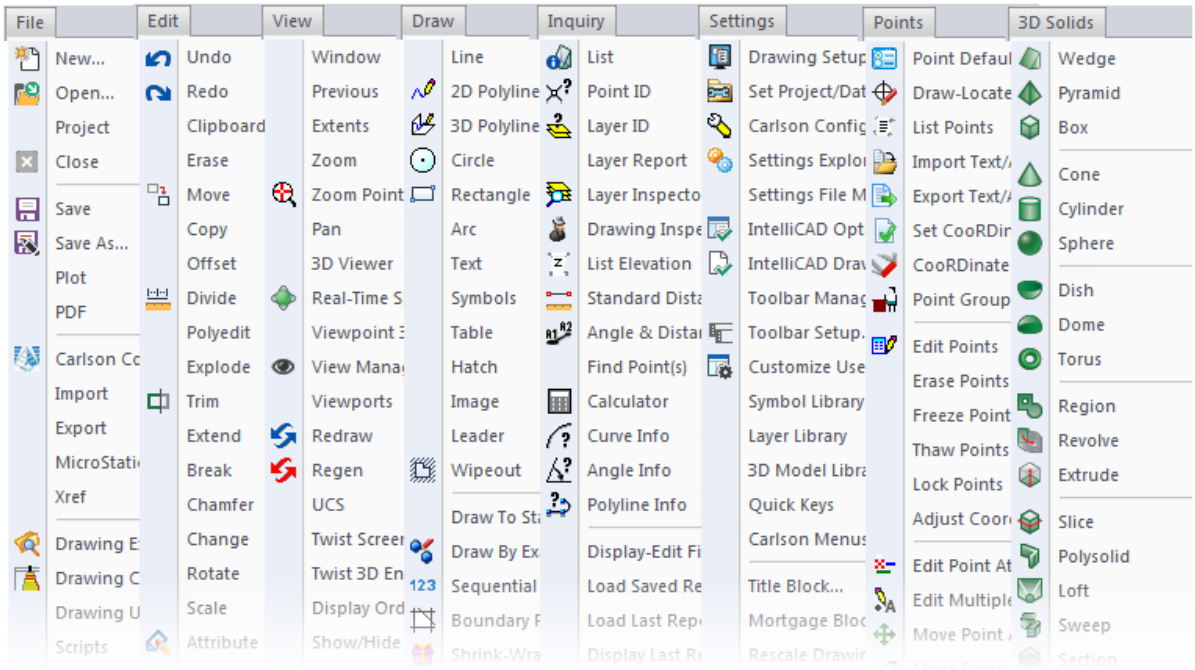
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The menus below are in all non-OEM programs of Carlson 2017 desktop software

(Click image to see more)

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