That CAD Girl

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

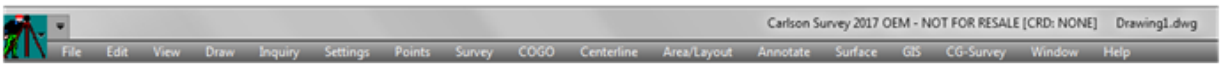
centerline and right of way, building setbacks, wetland or poor soils areas and inserts one or more building footprints onto each lot,

- 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

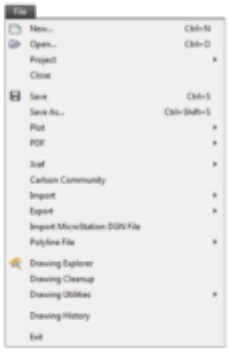


The menus below are available in Carlson Survey 2017 with

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embedded AutoCAD (OEM)

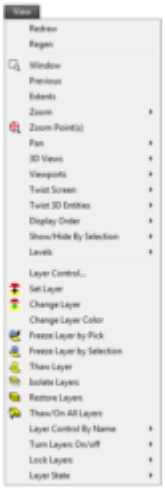
File Menu



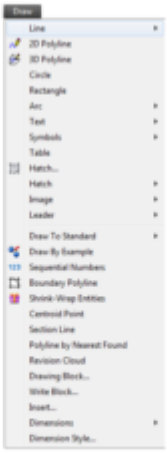
Edit Menu


Edit
Undo Commandline
Redo
Clipboard
Erase
Move
Copy
Offset
Explode
Trim
Extend
Break
Chamfer
Change
Rotate
Scale
Attribute Edit
Text
Table
Align
Mirror
Fillet
Properties Manager
Match Properties
Polyline Utilities
3D Polyline Utilities
Join /Nearest...
3D Entity to 2D
Selection Sets
Image

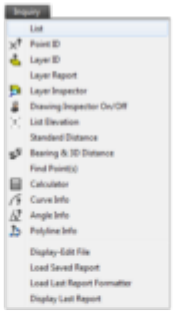
View Menu


View
Redraw
Regen
Window
Previous
Extents
Zoom
Zoom Point(s)
Pan
3D Views
Viewports
Twist Screen
Twist 3D Entities
Display Order
Show/Hide By Selection
Levels
Layer Control...
Set Layer
Change Layer
Change Layer Color
Freeze Layer by Pick
Freeze Layer by Selection
Thaw Layer
Isolate Layers
Restore Layers
Thaw/On All Layers
Layer Control By Name
Turn Layers On/off
Lock Layers
Layer State

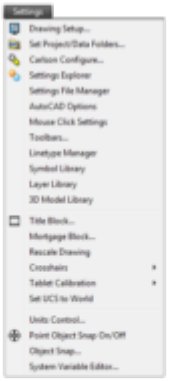
Draw Menu



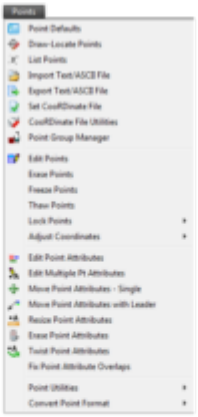
Inquiry Menu



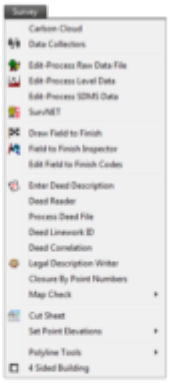
Settings Menu


Settings
Drawing Setup...
Set Project/Data Folders...
Carlson Configure...
Settings Explorer
Settings File Manager
AutoCAD Options
Mouse Click Settings
Toolbars...
Linetype Manager
Symbol Library
Layer Library
3D Model Library
Title Block...
Mortgage Block...
Rescale Drawing
Crosshairs
Tablet Calibration
Set UCS to World
Units Control...
Point Object Snap On/Off
Object Snap...
System Variable Editor...

Points Menu


Points
Point Defaults
Draw-Locate Points
List Points
Import Text/ASCII File
Export Text/ASCII File
Set Coordinate File
Coordinate File Utilities
Point Group Manager
Edit Points
Erase Points
Freeze Points
Thaw Points
Lock Points
Adjust Coordinates
Edit Point Attributes
Edit Multiple Pt Attributes
Move Point Attributes - Single
Move Point Attributes with Leader
Resize Point Attributes
Erase Point Attributes
Twist Point Attributes
Fix Point Attribute Overlaps
Point Utilities
Convert Point Format

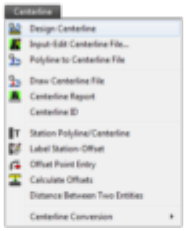
Survey Menu


Survey
Carlson Cloud
Data Collectors
Edit-Process Raw Data File
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

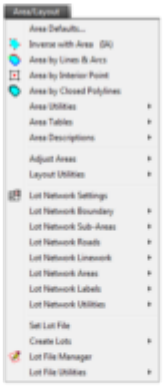
COGO Menu



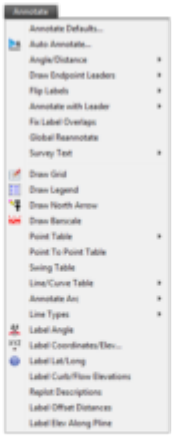
Centerline Menu



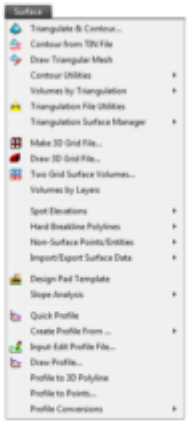
Area/Layout Menu



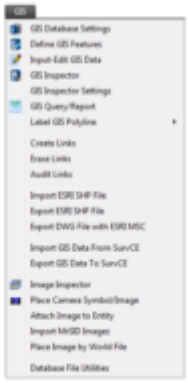
Annotate Menu



Surface Menu


Surface
Triangulate & Contour...
Contour from TIN File
Draw Triangular Mesh
Contour Utilities
Volumes by Triangulation
Triangulation File Utilities
Triangulation Surface Manager
Make 3D Grid File...
Draw 3D Grid File...
Two Grid Surface Volumes...
Volumes by Layer
Spot Elevations
Hard Breakline Polylines
Non-Surface Points/Entities
Import/Export Surface Data
Design Pad Template
Slope Analysis
Quick Profile
Create Profile From ...
Input Edit Profile File...
Draw Profile...
Profile to 3D Polyline
Profile to Points...
Profile Conversions

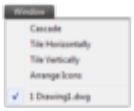
GIS Menu



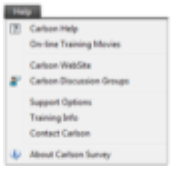
CG-Survey Menu


CG Survey
File
Traverse
Cogo
Draw
Management
Topo
Tools
Full CG Menu Mode

Window Menu


Window
Cascade
Tile Horizontally
Tile Vertically
Arrange Icons
1 Drawing1.dwg

Help Menu

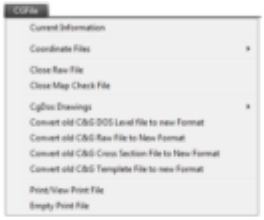


Menu bar in Survey 2017 showing the expanded version of the CG-Survey menu

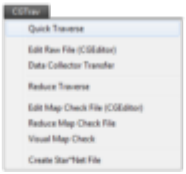


The menus below are available when using the expanded version of the CG-Survey menu

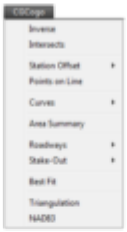
CG File Menu



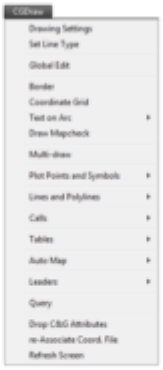
CG Trav Menu


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

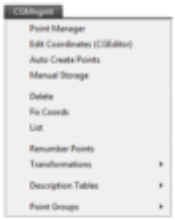
CG Cogo Menu


CGDraw
Inverse
Intersects
Station Offset
Points on Line
Curves
Area Summary
Roadways
Stake-Out
Best Fit
Triangulation
NAD83

CG Draw Menu



CG Mngmt Menu

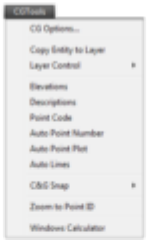

CGMicropoint
Point Manager
Edit Coordinates (CGEditor)
Auto Create Points
Manual Storage
Delete
Fix Coords
List
Renumber Points
Transformations
Description Tables
Point Groups

CG Topo Menu



CG Tools Menu

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