








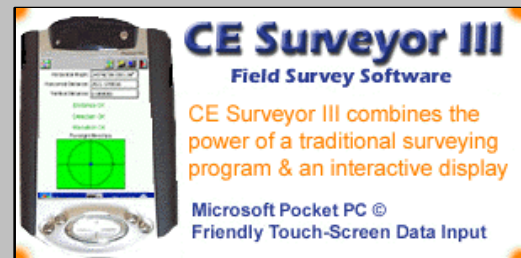
CogoCAD PRO

NEW! GIS-Based CogoCAD PRO with Road Design and Contour/Volume: \$385.00 + S/H.

CogoCAD PRO is a software program used in  **Surveying**,  **Landscaping**,  **Irrigation**,  **Forestry**,  **Archaeology**,  **Golf Course Mapping**,  **Graphic Design**, and other professions for managing data, designing survey plats, and generating maps. CogoCAD PRO works with Total Station survey data, GPS/GIS data, background images, Basemaps, and others. It lets you view and edit measurement data as well as coordinate data.

Primarily, CogoCAD PRO provides an interface to:

- ▶ **Download** data from survey data collectors
- ▶ Import data in ASCII, DXF, Shape File, and other formats
- ▶ **Adjust raw data**, coordinates and traverse data
- ▶ Add other **GIS data** to your map
- ▶ **Geo-reference** and display background image
- ▶ **Digitize** points, lines and polygons
- ▶ **Design roads** – View road cross-section by segment at any station
- ▶ Create **Deed Calls**



Deed Calls

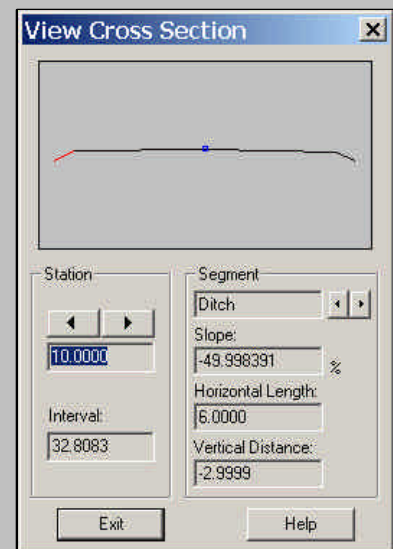
$N90^{\circ}00'00.000''E$ 2066.6599
 $S00^{\circ}00'00.000''E$ 1114.1400
 $S89^{\circ}49'53.836''W$ 2985.1884
 $N39^{\circ}16'56.413''E$ 1450.7253






















64.8138 Acres

2066.6599Ft
 $N90^{\circ}00'00''E$
 $S00^{\circ}00'00''E$ 1114.1400Ft
 2985.1884Ft
 $S89^{\circ}49'54''W$

Segment Types:

- Line Segment
- Curve Segment



- ▶ Apply advanced **labeling** functions to segments, angles and areas
- ▶ Print out the finished map; print data to printer or to a file
- ▶ Perform extensive **Coordinate Geometry (COGO)** functions:
 -  Inverse/**Traverse**
 -  2-Pt Resection
 -  **T/R/S Least Square Fit** (adjust to benchmarks)
 -  Intersection
 -  3-Pt Resection
 -  Translate/Rotate/Scale
 -  Corner Angle
 -  **Spiral Curve**
 -  **Station Offset**
 - Known Station and Offset
 - Known Coordinates
 - Known Measurement
 - Known Offset
 -  Direction Cut
 -  **3 Point Curve**
 -  Vertical Curve
 -  **Hinge Cut Area**
 -  Vertical Curve
 -  Horizontal Curve
 -  Radius Point
 -  Horizontal Curve
 -  **Curve By Radius**
 -  **Multiple Points**
 -  **Curve By Radius**
 -  Curve bet. Tangents

For a detailed list of functions available in **CogoCAD PRO**, please visit
<http://www.cmtinc.com/software/COGO30.htm>



Golf Course

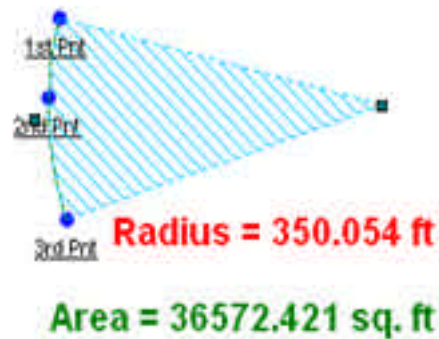


Surveying

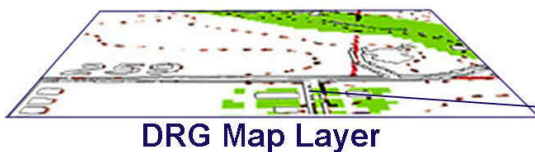
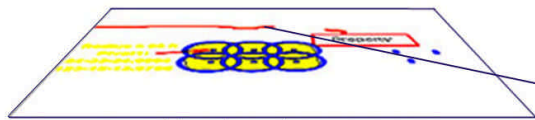
- Irrig head
- Irrigation
- Trees
- Flag
- Tees
- Pond
- Tee off A
- Bunker
- Green
- Yardage
- Fairway



3-Point Curve



3-POINTS CURVE	
Stops	Reset
First Point:	Topic1001
Second Point:	Topic1002
Third Point:	Topic1003
Radius: (Meters)	357.054
Segment: (M ²)	1973.708
Sector: (M ²)	36572.421



CMT SA III File (*.PSA)

- Non-Spatial Data
- Pivot Point
- Irrigation Circle
- Seedling Bed
- Trail
- Building
- Property
- Treefarm.JPG
- 044123E3.TIF

Landscape and Irrigation Design

Radius = 90 ft
Pivot1:
44-33-24.0904
123-18-13.9798

Property

CogoCAD PRO GIS Mapping Functions and Utilities:

- ▶ **Contour/Volume**
 - ▶ Feature Topic
 - ▶ **Heads-up Digitizing**
 - ▶ GIS Layering, Transparency
 - ▶ Supports **BaseMaps**
 - ▶ Marker Labeling
 - ▶ Area Labeling
 - ▶ Segment Labeling
 - ▶ **Angle Labeling**
 - ▶ **Earthworks**
 - ▶ Assign Symbol by Topic
 - ▶ Patterns and Symbols
 - ▶ **Georeferenced Images**
 - Supported formats include:
 - **Geotiff**
 - **GeoJPEG**
 - **MRSID® & ECW formats**
 - JPEG2000
 - ▶ **Solar/Star Observation**
 - ▶ **Road Design**
 - ▶ Zoom & Pan Tools
 - ▶ **Plot Preview**
 - ▶ Import & Export
 - ▶ Easy File Transfer functionality
 - ▶ Attach Photos & Video
- Email:**
support@cmtinc.com

CogoCAD PRO & CE Surveyor III Presentation
<http://www.cmtinc.com/nav/survpower.htm>