



SmartDraft! Ignite your productivity.

Overview SmartDraft 9

SmartDraft supports AutoCAD Civil 3D, AutoCAD Map 3D, AutoCAD 2007 – 2012, and AutoCAD Land Desktop 2007 – 2009.

SmartDraft is designed to make Civil 3D, Land Desktop, Map 3D, and AutoCAD more productive for Civil Engineers, and Surveyors. It reads design data directly from Civil 3D and Land Desktop. **New** in v9.x are dynamic labels, right-click label tools, and double-click edit tools.

The **SmartDraft Suite** is a comprehensive and integrated set of design and drafting tools focusing on civil engineering, and surveying.

All of the **SmartDraft** tools support AutoCAD's ability to twist a view. All labeling, annotation and text tools adjust to a twisted view so text is read correctly. We include a menu with toolbars, ribbons, and pull-downs. All commands are documented in the help file.

Features

PConnect

- A field to finish tool which draws 2D or 3D polylines from point descriptions and key codes.

Block Manager

- Categorize your symbol library
- Associated a description and slide with a symbol.
- Insert as a block, XREF, or exploded.
- Insert multiple times
- Insert at preset horizontal scale, or enter one.
- Insert at preset rotation angle, or enter one.
- Insert on defined layer.
- Quick search the categories by name and description.
- Use our Block Manager Menu tools to access the Block

Manager from your company's custom menu.

Parcel

- Create Closure from parcels.
- Area Tables from parcels.
- Define, manager, and label SmartDraft parcels.

Planview

- Label intersection station/offset (dynamic)
- Label stations and offset
- Create lateral lines along alignments

Profile

- Create profiles
- Create planview 3d polyline from profiles.
- Three line profiles
- Add labels at stations
- Calculate pipe deflect
- Label alignment data along the profile
- Vertical curve calculator

Points

- Setback placement
- Label point objects (dynamic)
- Label coordinates (dynamic)
- Assign point elevation from surface, or profile (dynamic)
- Find and Replace Raw Descriptions.
- Erase point groups
- Create coordinate table

Grading

- Label elevations (dynamic) using Civil 3D surfaces, profiles, feature lines, and 3d polylines.
- Label slopes (1 or 2 point, dynamic) using Civil 3D surfaces, profiles, point objects.
- Calculate slopes
- Edit object's elevation
- Calculate elevations

Table (Linked)

- Create an AutoCAD Table linked to a Microsoft Excel spreadsheet using various options.

Labeling

- Label bearing and length

- Label delta, radius, length, tangent, and chord
- Change label scale
- Label with numeric or alphabetic tags
- Renumber tags
- Find a tag
- Label from styles
- Consolidate common tags
- Create line, arc, or combined line/arc label tables
- Label radial bearings

Design / Drafting

- Create grid labels (dynamic)
- Barscale (paperspace values associated to viewport scale)
- North arrow (paperspace rotation associated to viewport twist)
- Offset from block or XREF
- Create cul-de-sac or knuckle
- Create reverse curves
- Draw dimensions
- Polyline tools (i.e. reverse direction)
- Inquiry tools (even blocks and XREFs)
- Measure angles (even blocks and XREFs)
- Label areas (dynamic)
- Count, scale, rotate or update blocks
- Layer database

Text

- Arc text
- Sequential numbering
- Sequential lettering
- Align text
- Respace text
- Rotate text
- Swap Text
- Adjust numbers
- Match String with adjustment
- Reference bubbles
- and more

Wetland Studies and Solutions, Inc.

732.869.0592

sales@smartdraft.com

www.smartdraft.com

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