

# SmartDraft 8.3.7 updates since 7.6.8

## General

1. Added support for Civil 3D 2008 and Civil 3D 2009
2. Added field to finish tool SmartConnect (formerly PConnect by CADLantic).
3. Added support for multiple point best fit curves (non-tangent) to SmartConnect.
4. Added support for 3 point curves (non-tangent curves) to SmartConnect.
5. Added support for point data within the Civil 3d Survey Databases to SmartConnect.
6. Added User Description Key options, and ability to have "/" in description as separator for additional information past the suffix code in SmartConnect.
7. Added Block and Detail Manager (formerly BKeeper by CADLandtic).
8. Fixed layer placement of blocks in Block and Detail Manager (formerly BKeeper). Wasn't using the predefine layers in the bkl file.
9. Added command List Object to display selected objects information.
10. Added Break Tools toolbar.
11. Added command to change the objects inside a block to color bylayer.
12. Added dialog box option to select layer for the Change Layer command.
13. Fixed error related to dynamic entry mode being turned off after using a SmartDraft command.
14. Added command to copy selected objects to a selected layer.
15. Added command to create Unnamed Block (self purging).
16. Added command to Rotate Block with Mirror for attribute text.
17. Fixed Join when working with polylines, to keep the polyline on the original layer. Was changing it to the current layer.
18. Added support for Annotative Text and Dimensions. Note: Some issues with the Text, Arc Text, and Attribute Mask command when the Annotative text is displayed in multiple viewports with different scales.
19. Fixed LTSCALE issue in AutoCAD 2008 based products. Now it will stay 1 when PSLTSCALE =1.
20. Added for changing the alignment stationing format in Drawing Setup.
21. Added support for Create Annotative Styles to New Drawing Setup in the Customization Template Manager command.
22. Added support for Create Annotative Styles in Drawing Setup.
23. Fixed Remove Layer Filters command.
24. Changed behavior of Drawing Setup. If user changes the customization template, the horizontal scale is no longer changed.
25. Added dialog option to Length (Add).

## Civil 3D

1. Added support for Civil 3D feature lines to Elevation Label.
2. Add support for Civil 3D 2008 Siteless Alignments.
3. Fixed issue when a user opened a drawing in Civil 3D 2008 saved it, and the next user opened it in Civil 3D 2007. The 2007 user would get the "Error: Civil 3D API: The parameter is incorrect."

## Design

1. Added support for polylines to Change Length.
2. Changed the following commands angle entry method to match standard AutoCAD (-ccw to ccw): Arc Tangent, Line by Turned or Deflection Angle, Lot Lines, Parking Stalls, and Traverse.
3. Added command to create an arc by length.

## Drafting

1. Added Join Quick option to the Join command.
2. Added command Join Quick to quickly join all arcs, lines, and polylines on same layer and at same elevation.
3. Added command Arc Leader (Variable) to create variable width arc leaders.
4. Added command to break a selected object at a distance from the end point.
5. Added 2d polyline support to the Join command.
6. Added Update option to North Arrow. This option updates the rotation angle of the North Arrow.

7. Added support to auto update the rotation angle of the North Arrow in a Layout and associated to a Viewport when using View All, View Twist, Viewport Zoom, and Viewport Align.
8. Added command to add, modify, or remove an arc from a selected polyline segment and alias PLBE.
9. Added a command to convert arcs, circles, lines, and polylines into a Tree / Brush line and alias PLTL.
10. Added a command to add vertices to existing polylines and alias PLAV.
11. Fixed error in the Offset 3D Polyline. It would shift the elevations on the new 3d polyline one or two vertices in some cases.
12. Added pen up and pen down option to the Points Connect with Polyline command when point type is Object.
13. Added select polyline option to Legal Description Report command and alias PLL.
14. Added command Extend and Trim and alias ETR.
15. Added Convert Spline to Polyline and alias SPP.
16. Added support for splined polylines and fixed error when selecting a non-polyline as the first object in Join 2d Polylines..
17. Added command Join 2d Polylines with gap tolerance option and alias PJ.
18. Added command Parking Spaces Count Symbols and alias PKC.
19. Added command Parking Spaces Report and alias PKR.
20. Added command Parking Spaces along Polyline and alias PKI.
21. Renamed command Parking Stalls to Parking Spaces and added alias PKS.

### Grading

1. Added command Slope Label Update and alias LSCU.
2. Added dynamic block and update values options to Label Slope.
3. Added dynamic block option to Calculate Slope.
4. Added command Elevation Label Update and alias EFU.
5. Added update values option to Elevation Label and Elevation Label - Lot Line.
6. Added dynamic block option to Elevation Label - Lot Line.
7. Added command Interpolate Contours and alias CI.
8. Change command name Interpolate to Interpolate Interval.
9. Changed contour join options in Join to join with gaps, prompt if elevation varies.
10. Fixed Error: too few arguments in the Update options in Label Coordinates.

### Labeling / Dimensions

1. Added Default or \*current\* layer toggle to Dimension, Dimension Truncate, Dimension with Prompt, Dimension without Leader, Dimension Outside, Dimension Arc, and Dimension Text - Alternate Units.
2. Added Print option to Create Reports – Parcel tools.
3. Added sorting of SmartDraft Parcels with Text only descriptions and parcel "0" to Label / Manage Parcels, Create Reports, and Area Table.
4. Fixed spelling error in Closure Report "Area.
5. Fixed "Error: Exception" when selecting the Set Start button in Label / Manage Parcels.
6. Removed duplicate angular precision listing in Change Label Precision, Labeling Tags Tool, Labeling Style Manager, and Labeling Table Style Manager.
7. Fixed viewport unlocking issue in Labeling. Now when labeling through a viewport, the viewport restores to the correct view scale and relocks, if it was locked before labeling began. Error introduced in v8.1.0.
8. Added prompt to indicate if the selected polyline is open in the Legal Description Report by Polyline.
9. Added support for Legal Options Styles to the Customization Template Manager command.
10. Added user definable legal description options to the Legal Report command in the Create Reports command.
11. Added View option to Area Report, Closure Report, and Legal Description Report.
12. Added option for 0 - 5 spaces between course in Legal Description Report.
13. Added a linear value suffix to correct an oversight for linear values in the Legal Description Report.

### Points

1. Added command Point Label Update and alias PTLU.
2. Added update values option to Point Label.
3. Added command Label Coordinates Update and alias CRFU.

4. Added options to edit the precision or update the coordinates of coordinate labels using Label Coordinates.
5. Added Full and Raw description option to Point Label. Fixed the issue in Land Desktop where it only used the Raw Description.
6. Added command to Label Northing and Easting Difference.
7. Fixed slow response when opening the Points Options in Point Options, Points Manual, Points by Coordinates, Points at 20's & 80's, Points Along Objects, and Points by Station and Offset.
8. Added Point to Spot Label and alias P2S.
9. Added additional options and changed name of Points: Create Selection Set.
10. Added command Points Merge.
11. Fixed error BAD DXF nil in Point to Spot Label when selecting either Text output option.
12. Added feature to remember the previous folder used and previous defaults, and fixed excluded exact duplicates, point numbers, and descriptions in Points Merge.

### Profile

1. Added a yellow display box when a Land Desktop datum is selected.
2. Fixed Prompt leader angle option in Profile Crossing Pipes.
3. Fixed error in Profile Curb Return, Error: When Leader direction was set Up, elevation calculations were correct, when set Down, elevation calculations were incorrect.

### Text

1. Added Numbers Only options to Text Add Prefix / Suffix.
2. Added sort option to Text Export, and Text to Mtext.
3. Added command to swap two text strings.
4. Fixed masking and unmasking of Dimension objects in AutoCAD 2007 or higher when using Text, Arc Text, and Attribute Mask and Text, Arc Text, and Attribute Unmask.
5. Added command aliases ATM Attribute Move and Rotate, TSG Text Spacing, TMH Text Mathematics, and TMT Text to Mtext.
6. Added command to change selected attribute properties
7. Added command to globally edit attribute properties.
8. Added some support for Annotative Text and Dimensions. There are still issues with Annotative Text and Dimensions to be addressed. Currently working on update.
9. Attribute Mask command when the Annotative text is displayed in multiple viewports with different scales.
10. Fixed error with Text, Arc Text, and Attribute Mask along SmartDraft arced text.
11. Fixed dxf error in Attribute Change when changing height, width, or angle.
12. Added Text: Dialog a dialog box interface to AutoCAD Text command and alias TD.
13. Added adjustment operator and changed logic in Text Mathematics. Help updated to explain math logic in command.

## SmartDraft 7.6.8 updates since 7.2.5

### General

1. Refined OSNAP changed introduced in version 7.6.5.
2. Changed the way SmartDraft deals with OSNAPs set during a SmartDraft command. Previous if a user set an OSNAP during a SmartDraft command, at the end of the command, SmartDraft would reset the OSNAP setting back to the OSNAP setting before the command was started. With this change SmartDraft checks the current OSNAP settings before it makes any changes, if the OSNAP setting was changed, it tries to maintain the change at the end of the command.
3. Fixed errors when running on systems with Land Desktop installed without Civil Design. Problem introduced with rework for Civil 3D in 7.5.0.
4. Added additional information at cursor prompt when Dynamic Input, starting in AutoCAD 2006, is on for: Distance, Measure Angle, ID Point, Length (Add), List, Area, Area by Point, ID Layer, and ID Block Layer.

5. Increased speed when running within Land Desktop. Command delay introduced with rework for Civil 3D in 7.5.0.
6. Fixed Area Table Styles Manager error in Customization Template Manager.
7. Fixed Help non-working help file indexes in Customization Template Manager.
8. Added support for \*current\* layer in the layer database.
9. Added support for Civil 3D parcel and alignment objects to the Inquiry Tools.
10. Added toggle to include layers turn off to the Layer Thaw command.
11. Added options to measure an arc to the Distance command.
12. Added undo and arc options to Area command when using the Points selection method.
13. Added warning message if SmartDraft finds too many unregistered APPIDs. In AutoCAD 2004 or higher, SmartDraft prompts the users to remove them and prompts the user to save and reopen the drawing.
14. Added code to better support systems when both Land Desktop 2004-2006 and Land Desktop 2007 installed on the same workstation.
15. Added warning message within Land Desktop, checking if Map is loaded without a drawing open. Informs user to close Map or open a drawing.
16. Added support for dynamic blocks in the Block Count command.
17. Fixed problem with Drawing Setup settings command. SmartDraft synchronizes its drawing setup values with Land Desktop. In some drawings the setup values would not hold the new values, this has been addresses and corrected.
18. Fixed broken command alias UV Crosshairs Horizontal to Screen. Error introduced in 7.2.4
19. Fixed SmartDraft command response time when working with drawings created with Smart Drafting v6.x or earlier.

## Design

1. Added support to read Civil 3D alignments, and feature lines when creating Cul-de-sac.
2. Fixed SmartDraft to read Land Desktop 2007 design data.
3. Added options to the Alignment Stations and Elevations command. Can select up to three profiles for an alignment. Each profile can have an adjustment value. Added options to change the station and elevation precision.
4. Fixed leader offset error in the Label Alignment Stations and Offsets command. If the command was used without opening the Options dialog box and the Leader Offset option was selected, the leader would be offset. Now it will offset without opening the Options dialog.

## Drafting

1. Added Offset Street command to offset multiple objects both sides and to specified layers from the layer database.
2. Fixed output error with Area when output set to text and selection set to Objects. Now the area text is output versus only showing the area at the command prompt. Error introduced in 7.5.0.
3. Fixed polyline offset issue with Storm Drain Pipe Edges. Command would change the layer of selected polyline, but not offset it. Polyline offsets as designed. Error introduced in 7.5.0.
4. Fixed error when one of the three objects was not selected in Fillet 3 limits
5. Added command to create viewport by selecting rectangle in modelspace.
6. Added command to viewport zoom setup by selecting the viewport frame.
7. Added command to divide a viewport vertically or horizontally.
8. Added command to align selected viewports to a target viewport.
9. Added command to move the contents of a viewport vertically or horizontally by a given interval.
10. Added command to create a 3D polyline with elevation prompt.
11. Added Numbers only option to the Text Copy String (Match Text) command.
12. Added by layer, Lines/Arcs or Arcs only options to the Endpoint Ticks command. Also added checking so command won't insert more than one endpoint tick of the same scale at the same point.
13. Added command to create traffic control cones along a selected path.

14. Changed the following commands when the block with an attribute is inserted, the attribute's style name is changed to match the text style defined as SmallText. Commands: Label Alignment Stationing, Reference Symbol, Arc Leader, Straight Leader, Barscale Block, North Arrow, Planview Description, Key / Vicinity Map, Sectional Bubble, Callout Flag, Interpolate, Spot Elevation, Labeling, and Point Block commands.
15. Added command to update the definition of blocks in the current drawing. See Block Update.
16. Fixed and changed the Label Alignment Stationing command. Fixed the error when selecting block or Xref linework, the temporary construction lines are now removed. The command also inserts the label block and changes the attribute to the same style defined as Small Text.
17. Added \*current\* layer option to Area by Point, and Area commands.

### Grading

11. Fixed issue with Elevation Label when Input Data Type set to Polyline. Under specific situations the command would incorrectly return the message "Specified point not along selected polyline." even when the point was along the 3d polyline.
12. Fixed "Error: bad argument type: 2D/3D point: nil" and dynamic block inserted smaller than expected in Label Coordinates (Label Point), Elevation Label, and Callout Flag when the Dynamic Block options was checked and the selected placement point elevation was different than the angle point elevation.
13. Added option to place the Callout Flag on the current layer.
14. Added Right - Left text justification option to Elevation Label.
15. Added Civil 3D surface, alignment, and profile support for Elevation Label, and Elevation Label – Lot lines.
16. Added Civil 3D surface support to Spot Elevation command.
17. Added support of Civil 3D point object for select elevation prompt. All commands on grading tools toolbar.
18. Added Length Graphic for PC1 and PC2 datum, and dynamic block options to the Profile Curb Return command.
19. Added command alias LSC for Label Slope.
20. Added dynamic block option to Callout Flag to output options. For AutoCAD 2006 or higher.
21. Added command to adjust selected elevations by both an adjustment value and source elevation.
22. Fixed layer placement error if layer set to \*current\* in Elevation Label, the first time the command was used, the elevation label was placed on the current layer, the next time the command was used the elevation label was placed on the label leader layer. Now places the elevation label on the current layer every time.
23. Fixed output error on Label Contours. Contours labels will correctly remove trailing zeroes when objects have non-exact 1 unit elevations.
24. Fixed error "Error: Automation Error. Item not found" with Spot Elevation, Elevation Label, and Elevation Label - Lot Line commands. Error introduced in 7.3.0.
25. Fixed error "nil" with Edit Object's Elevation command.

### Labeling / Dimensions

14. Fixed error nil value when using the Define Pacels, Missed option, Zoom button when using XREF text to automatically create Parcels from selected text.
15. Fixed error nil value when changing Parcel Type from drop-down list in the Create Report Parcel Tool.
16. Fixed Error "DIMLDRBLK" "0" in Labeling when using a style with the value DIMLDRBLK=0
17. Added support to label Civil 3D feature lines, parcels, and alignments.
18. Added command to define a parcel.
19. Added command to label or manager the defined parcels.
20. Added command to create area, legal description, and closure (map check) reports from defined SmartDraft, Land Desktop, and Civil 3D parcels.

21. Added command to create an Area Table from SmartDraft Parcels or Land Desktop Parcels and the Area Table Style Manager to manager the Area Table styles.
22. Added option to toggle the selection type at the command line in Labeling. Setup toggle options in Labeling Options.
23. Updated Labeling, Labeling Table, Labeling Tags Tool, and supporting Labeling post processing tools to work even when the drawing file is "corrupted" with thousands of unregistered APPIDs. In the past, the labeling tools would stop working correctly if the drawing experienced this condition.
24. Fixed error with Dimension commands, when the AutoCAD system variable DIMASSOC was set to 0. See Dimension, Dimension Outside, Dimension with Prompt, Dimension Truncate, Dimension Text - Alternate Units, Dimension Arc, and Dimension without Leader.
25. Fixed error in the Labeling Tags Tool command. A Group 10 error would occur during renumber or consolidate options if tags were placed using the offline placement options.

### Points

13. Added support to the commands Point Tools toolbar to support the base point and north rotation options in drawing setup of Land Desktop.
14. Improved the response time for the Point Options and set current Point Number when using large point numbers.
15. Increased the largest point number supported to 9999999 (was 32767) for all the Point Tools.
16. Changed Points Along Objects to use the Point Setup Options for description.
17. Added support for Civil 3D points.
18. Added dynamic block option to Label Coordinates command.
19. Added dynamic block and leader offset options to the Point Label command.

### Profile

4. Added station prefix option to Profile Labels along the Alignment.
5. Added Special Suffixes button for Vertical Curve Station Suffixes in Profile: Station and Elevation.
6. Added Special Suffixes button for Station Suffixes in Alignment Labels along the Profile.
7. Added vertical curve interval option to Profile Setup Options.
8. Fixed Interval Circle option in Profile Setup Options for Profile: Station and Elevation. If the Dynamic Block and Interval Circle options are unchecked, the interval circle won't be placed.
9. Added option to Profile Datum Block Setup to add additional description to Land Desktop datum. Helpful to distinguish between multiple Land Desktop profiles defined in the same drawing.
10. Fixed non PVI station label interval in Profile: Station and Elevation. Error occurred when a PVI or VC station label's station was not exactly even to an interval, it would place a second label at the same point. e.g. 500.0000001 and 500.00 if labeled at decimal precision of 2, two labels would be placed at 500.00. Error introduced in 7.6.0.
11. Fixed "Error: Item not found" in Profile: Station Label when Alignment is set to "Manual Entry" and the Options are entered for a second time.
12. Added non PVI station label interval Setup Option to Profile: Station and Elevation.
13. Added command to label Land Desktop cross sections.
14. Added support to used Civil 3D Profile View object.
15. Added support to read and draw profiles from Civil 3D data.
16. Added dynamic block option to the Elevation Label command.
17. Added label high / low point options to the vertical curve output of the Profile: Station and Elevation command.
18. Added dynamic block, leader layer, and prompt for user defined leader angle options to the Profile: Station and Elevation, Profile: Distance, and Elevation or Slope, Profile: Digitizing Planview, Profile Crossing Pipes, and Profile: Station Label commands. Dynamic block option for AutoCAD 2006 or higher.

**Text**

14. Fixed error when using Text Parallel on slope labels created by Land Desktop.
15. Added option to use either a wipeout/solid masking object or the background masking property for MTEXT when using Text, Arc Text, and Attribute Mask for AutoCAD 2005 or higher. Added because the background masking property doesn't mask when plotting set to Lines Merge.
16. Added option to replace existing text, attribute, or arc text value to Text Sequential Numbering.
17. Modified Text Edit to resize the reference symbols to accommodate a changed text string.
18. Added support to reading angles from Civil 3D parcel and alignment objects.

**SmartDraft 7.2.5 updates since 6.6.9****General**

1. Program renamed to **SmartDraft** from Smart Drafting
2. Added option for either copy or draworder to Redefine Blocks.
3. Fixed error - dimstyle / text style now resets at the end of a command.
4. Added prompt to indicate matching endpoints when using Measure Angle.  
Fixed error with Line to Arc comparison. Should not give false negative "Line does not intersect arc."
5. Widened layer list box for Layer Thaw.
6. Added the option of Object (single selection) to the selection types of Area.
7. Changed the layer the Area command places new text. Now place on layer index 75 for proposed and demo, and 76 for existing.
8. Added toggle in the Block Manager setup to explode block upon insertion.
9. Added toggle to enable and disable SmartDraft's Mode Status Line and added additional display options.
10. Fixed polyline width variable. Set to 0 at the beginning of commands using polylines. Set to original value at the end of commands. (7.1)
11. Fixed two issues with the Layer Isolate command. In some files it would turn off all layers, and others it wouldn't turn off any layers. (7.1)
12. Added an option to select viewport boundary in paperspace to rotate north arrow per the twisted viewport. (7.1)
13. Fixed a problem in the drawing setup dialog box. At times the decimal precision doesn't stay as set. (7.1)
14. Added command shadow rectangle / box and alias RTS. (7.1)
15. Added command to change the colors of xrefs to screened colors. (7.1)
16. Added command to rotate selected object and align to another object. (7.1)
17. Added additional network installation setup options. (7.2)
18. Fixed Customization Template Manager lockup when trying to edit Labeling Styles. Problem introduced in version 7.1.0. (7.2)
19. Fixed problem when xreference drawing name has a space in it using XREF Open. (7.2)
20. Fixed problem when using AutoCAD 2006 and inserting unitless blocks. Set INSUNITS to 0 so SmartDraft blocks scale per design, vs per units conversion. (7.2)
21. The installation program now adds the SmartDraft CUI to the selected AutoCAD profiles. (7.2)
22. Added option to open an xref from a dialog box list all the XREFs in the drawing in the XREF Open command. (7.2.2)
23. Added support for the for the layer properties lineweights and named plot styles to layer database, Layer Make, and Layer Database Manager. (7.2.2)
24. Added support to the Area command to update area labels when Selection type is set to Object and Output type is set to Text. (7.2.2)
25. Fixed Customization Template Folder path reassignment in Program Options. Problem introduced in version 7.2.0 with the addition of Network Options. (7.2.2)

26. Added option to install blocks with masking as either the solid or wipeout object as the masking method. (7.2.2)
27. Fixed Customization Template Manager's SaveAs button – nil error. (7.2.3)
28. Installation supports 2007 based products and added DOSLib for 2007. (7.2.3)
29. Modified the View Twist command. Now it doesn't add an elevation to the target setvar if there are any objects with elevations in the drawing. (7.2.3)
30. Added Text Prefix / Suffix toolbar and Text Prefix / Suffix menu. (7.2.4)
31. Added command to Remove Prefix / Suffix from text. (7.2.4)
32. Fixed View Twist 0 error introduced in 7.2.3. (7.2.4)
33. Fixed error when option "Block" is selected on Chainlink Fence, Circle Linetype Symbol, Brow Ditch Symbol, Daylight Symbol, and Cut / Fill Symbol introduced in 7.2.4. (7.2.5)

## Design

1. Added option for return to be an arc or a line in Knuckle.
2. Added command to remove Layer Filters, RLF.
3. Added command to toggle automatic removal of Layer Filters when a drawing is open RLFAUTO.
4. Added command to erase all objects not selected, EO.
5. Added command to remove Express Tool's Layer States from the drawing RLS.
6. Added command alias LMK for Layer Make.
7. Added dialog box interface to Change Angle.
8. The settings for width, radius, and offset in the CUL-DE-SAC command are saved. The next time the command is used, the previous settings are used as the default.
9. Added dialog interface and curb offset option to CUL-DE-SAC. (7.1)
10. Added leader offset option to Label Alignment Stations and Offsets. (7.1)
11. Added command to calculate, label, and create Junction Structure No 2. See Junction Structure No 2 (7.2)
12. Added print option to Tangency Report. (7.2.3)
13. Added command to create Radial Lines from selected arcs. (7.2.4)

## Drafting

1. Added the 3D polyline tool Offset 3D Polyline.
2. Modified "Offset both sides" prompt as an option for Offset to Current Layer and Offset from Xref/Blocks.
3. Added Oval to the Reference Symbol list.
4. Fixed Dimension Truncate so osnap dialog box will close.
5. Added option to create multiple layers from the Layer Make command. (7.2)
6. Added option to reset layer properties to match layer database settings from the Layer Make command. (7.2)
7. Added output option to Length (Add). (7.2)
8. Added additional options to Matchline and Sheet. (7.2.3)
9. Changed Key / Vicinity Map commands to use text in place of blocks. (7.2.3)
10. Added width option to Retaining Wall. (7.2.3)
11. Added support for splined polylines in Polyline Reverse Direction. (7.2.3)

## Grading

1. Changed elevation input of Interpolate to match Calculate Slope.
2. Changed the slope output option of Calculate Slope to match Label Slope.
3. Added command to create a toe/top of slope.
4. Added option for start point and elevation to move to next point for Calculate Elevation.
5. Modified Label Contours to use the same masking method as Text, Arc Text, and Attribute Mask.
6. Added elevation adjustment option to Edit Object's Elevation.
7. Added a width and length option to Slope Symbols. (7.1)
8. Added bench offset option to Toe / Top of Slope. (7.1)
9. Fixed attribute selection error when option point = object for Calculate Slope. (7.1)

10. Added the option to select a point in planview along a Land Desktop alignment and calculate the slope value for profile. (7.1)
11. Added support for irregular shaped viewports to the North Arrow command. (7.2)
12. Redesigned Spot Elevation dialog box and added Truncate, Layer Type, Placement Layer, and Set Angle options. (7.2)
13. Added station, offset, and 3rd elevation labeling output options to Elevation Label. New location placement options added. Option to save settings as a style added. (7.2)
14. Added command: Elevation Label - Lot Lines create elevation labels along a lot line from the Land Desktop Alignment and Profile. (7.2)
15. Fixed slope calculation error on Elevation Label. When entering a slope adjustment, the command calculated the elevation to the left side of the alignment incorrectly. (7.2.2)
16. Fixed output error. Now when the Constant option is selected, the prefix and suffix text will be added to the drawing. See Elevation Label and Elevation Label - Lot Line. (7.2.3)
17. Fixed nil value error in Spot Elevation when user cancels the Browse block dialog box. (7.2.3)
18. Added option to place the Slope Symbols on the current layer. (7.2.4)

### Labeling / Dimensions

1. Added option for user defined header text in Labeling Table and Labeling Table Style Manager.
2. Added option to specify if the tag number will be text or the symbol with text in the value line.
3. Added option to include labeling data when inserting reference symbols.
4. Added Oval to the Reference Symbol list.
5. Fixed Reposition Labels and Arc Text so it now stays on correct layer, doesn't move to layer 0, and works if rescaled or moved from model space to paper space.
6. Fixed masking error when arc text / labels were moved from model space to paper space or scaled.
7. Fixed Rotate along an Arc or Circle nil point error when selecting the last segment of a closed polyline.
8. Added support in tag tools to recognize tags with prefixes and suffixes of (), [], {}, and <>.
9. Added option for SmartDraft dimension commands to use AutoCAD's associative dimension object or the polyline type dimension.
10. When using the new Dimension object options, direction of text is honored with dview.
11. Fixed decimal precision problem in the dimension tool when using the new associative dimension object type. (7.1)
12. Changed DIMGAP value to 0.05 for the leader commands. (7.1)
13. Fixed error in Change Bearing Direction. Now changes bearing text if space between N, S, E, W and bearing. (7.1)
14. Added "Dimension" text style to the list of preset text styles in SmartDraft. (7.2)
15. Modified Dimension, Dimension Outside, Dimension with Prompt, Dimension Truncate, Dimension Text - Alternate Units, Dimension Arc, and Dimension without Leader to use the new "Dimension" text style. (7.2)
16. Modified Dimension Arc to support dview twist. (7.2)
17. Fixed problem with metric drawing setup and dimension commands when using dimension objects. (7.2)
18. Fixed problem with CUL-DE-SAC command. The values of D1 and D2 were switch for calculations and drawing. (7.2)
19. Fixed the X or cancel button in the Discard or Apply changes, in the labeling styles dialog box, to Discard changes. (7.2.3)
20. Added support for standard unicode delta (\U+0394) to Labeling. (7.2.3)
21. Fixed error when using leader / tag - text only option in labeling style. (7.2.4)

### Points

1. Added support for custom point blocks for Point Options, Points Manual, Points Check, Points by Coordinates, Points at 20's & 80's, Points Along Objects, Points by Station and

- Offset, Points Import, Points Export, Coordinate Table, Point Label, Points Connect with Polyline, and Points: Select by Range or All.
- 2. Added new style based output to Coordinate Table.
- 3. Added Coordinate Table Styles, and Styles File Manager to Customization Template Manager.
- 4. Added command to label point blocks or Land Desktop point object.
- 5. Added command to delete Land Desktop Point Groups. (7.1)
- 6. Added support for Civil 3D points to Point Label. (7.2.2)

## Profile

- 1. Added profile slope placement option of above or below to Profile Setup Options, Profile: Distance, and Elevation or Slope, and Profile: Angle, Draw, Inquire, Label, or Pipe.
- 2. Added incoming (G1) and outgoing (G2) slope options to Profile Vertical Curve Information, for Profile: Station and Elevation command.
- 3. Added profile direction option to Profile: Angle, Draw, Inquire, Label, or Pipe to correct labeling of the minus sign when determining decreasing slopes.
- 4. Added pipe size prompt to Profile Crossing Pipes, and Profile: Angle, Draw, Inquire, Label, or Pipe.
- 5. Added leader offset option to Profile Setup Options, Profile: Distance, and Elevation or Slope, Profile Curb Return, and Profile Crossing Pipes.
- 6. Added option to change the Vertical Scale in Profile Crossing Pipes
- 7. Fixed angle display after selecting an angle in Elevation Label.
- 8. Added option to specify different reference symbols in Profile Curb Return.
- 9. Added command to create alignments labels along the profile. (7.1)
- 10. Added command to create profile labels along the alignment. (7.1)
- 11. Added command to create a 3d polyline from a Land Desktop profile. (7.1)
- 12. Added toggle for each label options, elevation prefix and suffix, option to label vertical curve PI stations, option to label vertical curve distance, option to label stations at a specified interval, and an option to enter specified stations in the Profile Labels along the Alignment command. (7.2.2)
- 13. Added options to select a point in the planview for station, and label station and elevation in the Profile: Station Flag Label command. (7.2.2)
- 14. Fixed error in Profile Curb Return. (7.2.3)
- 15. The Profile Curb Return command saves entered values and added a Clear button. (7.2.4)

## Text

- 1. Modified Text Edit to resize the reference symbols to accommodate a changed text string.
- 2. Added searching for empty text strings in arc text.
- 3. Added support for arc text and mtext to Text Add Prefix / Suffix.
- 4. Added prefix and suffix option to Text Copy String (Match Text).
- 5. Added support for arc text for input and output with Text Mathematics.
- 6. Added support to update existing masks for Area, Attribute Move, Attribute Rotate, Attribute Move and Rotate, Attribute Replace, Join Strings, Text Add Prefix / Suffix, Text Adjust Numbers, Text Align Parallel or Tangent, Text Copy String (Match Text), Text Fit, Text Horizontal, Text Mathematics, Text to Mtext, Text Respacing, Text Vertical, Text X Align, Text Underline, and Text Overscore. The mask will update when changes are made to masked text.
- 7. Change the option from Value to Adjust for Text Copy String (Match Text) and Text Adjust Numbers to match option text of other commands that adjust numbers.
- 8. Added support for arc text to Text Edit. (7.1)
- 9. Added Multiple and Single target option to Text Copy String (Match Text). (7.1)
- 10. Added support for wipeout object in Text, Arc Text, and Attribute Mask and Label Contours. Added support for MTEXT masking. Added support for AutoCAD's MTEXT background masking starting with AutoCAD 2005. Added support for AutoCAD's Dimension background masking starting with AutoCAD 2006. (7.2)
- 11. Added new letter sequencing option AA > BB in Text Sequential Numbering. (7.2)

12. Fixed ArcText shifting problem when using Text Edit. (7.2.3)