

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Setup Panel		
Drawing Setup	Set up a drawing for use with SmartDraft tools. Horizontal scale, decimal precision values, text styles, dimensional styles, etc.	DDS
SmartDraft Website	Open the default web browser to smartdraft.com	
SmartDraft Help	Open the SmartDraft help file	SmartHelp
Purge All	Purge all items, including Regapps, without the dialog box.	PAA
User Options	Set up SmartDraft user options.	SmartUsers
Update Labels	Update the text values of all the dynamic SmartDraft labels	SDU
Toggle Update Labels On / Off	Toggle Update Labels for the dynamic SmartDraft labels.	SDUT
Program Options	Control program-wide and network-wide options, such as path locations, default user customization template, and default user options.	SmartOptions
Customization Template Manager	Create and maintain customization templates and their data files.	SmartCTM
Open Sample Files Folder	Open the File Explorer to the SmartDraft Sample Files Folder	
SmartDraft Information	Display information about SmartDraft, necessary for support.	SmartInfo
SmartDraft About	Open the SmartDraft About dialog, and Authorization Dialog	SmartAbout
Grading Panel		
Elevation Label	Create a dynamic elevation label from 3D polylines, alignment and profile, feature line, survey figure, parcel segment, or surface.	EF
Elevation Label (Lot Line)	Create an elevation label along a lot line from alignment and profile.	EFF
Elevation Label (Manual)	Create manual elevation label by entering or selecting elevation values.	EFM
Slope Label (One Point)	Create a dynamic slope label by reading the slope from a 3D polyline, alignment and profile, surface, feature line, survey figure, and parcel segment.	LSC
Slope Label (Two Points)	Create a dynamic slope label by reading the elevations of two points from the same objects as Slope Label (One Point)	LSC2
Slope Label (Manual)	Create a slope label by entering the slope and angle.	LSCM
Spot Elevation	Create a spot elevation from text, object selection, or a surface.	ES
Label Contours	Label an object's elevation by selecting objects one at a time or by selecting two points of a line.	AC
Interpolate	Interpolate interval spot elevations between two points.	
Interpolate Contours	Interpolate spot elevations between two polylines or contours.	ICO
Calculate Slope	Calculate slope from two selected objects with elevation along an arc or line.	CS
Adjust Elevations	Adjust selected elevations by both an adjustment value and source elevation.	EAD
Calculate Elevation	Calculate elevation from a selected object with elevation and a selected point	CE
Edit Objects Elevation	Edit the elevation (z) value of an object.	EC
Slope Symbol	Create slope symbols.	SSL
Toe / Top of Slope	Create toe or top of slope.	GTS
Flowline Arrow	Create a flowline arrow.	
Daylight Symbol	Create daylight symbol along an object or change object to the daylight linetype.	
Cut / Fill Symbol	Create cut and fill symbol along an object or change object to the cut/fill linetype.	
Brow Ditch Symbol	Create a brow ditch symbol along an object or change object to the brow ditch linetype.	
Edit Polyline Elevation	Edit polyline elevation.	
Edit Polyline Datum Elevation	Edit the elevation of the selected polyline by a datum value.	

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SmartDraft Tool	Description	Alias
Assign Polyline Elevation	Assign an elevation to selected polylines.	
Modify Elevations of Feature Lines or 3D Polylines: Absolute Hinge	Use a hinge line to edit the elevations of selected feature lines and 3D polylines. The hinge line is defined by two points. The absolute slope can be a slope (%) or a slope (X:1).	
Modify Elevations of Feature Lines or 3D Polylines: Relative Hinge	Use a hinge line to edit the elevations of selected feature lines and 3D polylines. The hinge line is defined by two points. The relative slope can be a slope (%) or a slope (X:1).	
Check for 0 Elevation Polylines	Change selected polylines with a zero elevation and prompt for new elevation.	
Change Polyline Layer at Elevation	Change polyline layer at elevation.	
Offset Polyline by Rise/Run	Offset a selected polyline by setting the elevation to rise over run (rise/run).	
Offset Polyline by Slope (%)	Offset a selected polyline, setting the elevation by slope (%).	
Offset Polyline by Slope (%) and Distance	Offset a selected polyline to a distance limit, setting the elevation by slope (%).	
Offset Polyline by Slope (%) and Elevation Limit	Offset a selected polyline to an elevation limit, setting the elevation by slope (%).	
Daylight to Surface	Daylight to a surface from a line, arc, polyline, 3d polyline or feature line.	DTS
Daylight to Surface - Segment	Daylight to a surface from a segment of a polyline, 3d polyline or feature line.	DTSS
Daylight to Surface - Point	Daylight to a surface from a point.	DTSP
Solid Cut Surface	Creates an Civil 3D TIN Surface below an AutoCAD solid entity that cuts through the surface.	SCS
Volume from Polylines (Contours)	Calculate a pond/basin or stockpile volume from polylines (contours).	
Extract Contour(s) from a Surface	Extract a single or all contours from a Civil 3D Surface.	ECPL
HEC-RAS Panel		
Sample Lines or Polylines along an Alignment	Create sample lines or polyline cross sections at specified stations along an alignment.	
Sample Lines Tool	Rename or renumber sample lines and add polylines to a sample lines group.	
Create HEC-RAS Project	Create a HEC-RAS project file or geometry file from sample lines or polylines, an alignment, and a surface.	
Added Sections to HEC-RAS Project	Add new cross sections to a HEC-RAS project using sample lines/polylines, an alignment, a surface, and an existing HEC-RAS project.	
Added River / Reach to HEC-RAS Project	Add new river / reach to an existing HEC-RAS Project from Sample Lines or Polylines along an alignment	
Create HEC-RAS Planview Sections Lines and Labels	Create section lines and labels on HEC-RAS cross section lines in the planview of the drawing from a HEC-RAS output file. Add drawing bank lines in version 16.0.0.	
Create HEC-RAS Floodplain Lines	Create floodplain limits utilizing the results of the HEC-RAS floodplain analysis from a HEC-RAS output file.	
Create HEC-RAS Cross Sections	Create HEC-RAS cross sections for each section in the HEC-RAS project, from a HEC-RAS output file (sdf).	
Create HEC-RAS Water Surface Profile	Create a HEC-RAS water surface profile in the CADD project, from a HEC-RAS output file (sdf).	
Label HEC-RAS Water Surface Profile	Label a water surface's stations and elevations, in profile, from a HEC-RAS output file (sdf).	

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SmartDraft Tool	Description	Alias
Inquiry Panel		
Distance	Measure the distance and angle between two points, or measure the length, delta, radius, tangent, chord, and chord bearing along an arc.	D
Measure Angle	Measure the angle between two lines, a line and an arc, or two arcs. Works on objects within a block or Xref.	AN
ID Point	Display the coordinate values of a selected point.	IDP
Inverse Points	Inverse between drawing points, point objects, point numbers, or Civil 3D survey database points. Options to inverse radial from a base point, and inverse along an open or closed path.	PTI
ID Elevation	Display the elevation (z) value of an object.	Z?
Length (Add)	Add the lengths of selected arcs, ellipses, circles, lines, polylines, and splines.	ADD
List (Survey Data)	Display the survey information for lines, arcs, and polylines. Works on objects within a block of Xref.	LSD
Area	Display or output the area in feet or meters from selected closed polylines or selected points around a boundary.	ASD
Area by Point	Display the area of an enclosed area by selecting a point. Create a polyline for the enclosed area.	ARP
List Objects	Display information for a selected object.	ELS
Tangency Report	Create a tangency report from selected objects.	
Corridor Design Report	Create a report selected link and feature line codes of a selected baseline of a corridor.	CRR
Labeling Panel		
Labeling	Create labels, leaders, and/or tags using the current labeling options and labeling style.	LB
Label Style Select	Select an existing label to set its label style current for use with Labeling.	
Labeling Tags Tool	Renumber, consolidate, or zoom to labeling tags.	LTT
Labeling Table	Create a labeling table using the table options and table style.	LBTS
Labeling Style Override Toolbar	Open the Labeling Style Override Toolbar	
Labeling Style Manager	Create and modify labeling styles to be used with the Labeling command.	LBS
Labeling Table Style Manager	Create and modify labeling table styles to be used with the Labeling Table command.	LBTS
Labeling by Points	Create tag lines and arcs by selecting from and to point objects.	LBPT
Labeling by Points – Table	Create a labeling by Points - table using the table options and table style, and tags created by the Labeling by Points command.	LBPTB
ALTA Label	Label a distance, direction, and description label.	ALT
Radial Bearing Label	Label the radial bearing of a point on a curve.	RBR
Crow's Feet - Automatic	Create crow's feet by selecting existing labels.	CFA
Crow's Feet - Erase	Erase crow's feet by selecting existing label text or crow's feet.	
Crow's Feet - Manual	Create crow's feet in a specified direction and size.	CFM
Labeling Arrow	Create an arrow with or without a break symbol.	
Update Labels	Update the text values of all the dynamic SmartDraft labels.	SDU
Labeling Panel		
Dimension	Label the distance between two points.	DSD
Dimension Truncate	Label the truncated distance between two selected points with suffix option.	DRT
Dimension with Prompt	Label the distance between two points with a prompt for the label.	DSP
Dimension without Leader	Label the distance between two points without a leader line.	DSN
Dimension Outside	Label the distance between two points with the leader line and annotation on the outside.	DSO
Dimension Arc	Label the distance of a selected arc.	DSC

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Rotate Along an Arc or Circle	Rotate objects along a selected arc or circle.	RAA
Slide Along a Line Segment	Slide objects along a selected a line segment.	SAL
Change Bearing Direction	Change the bearing direction of text, N to S and W to E.	CBL
Change Label Direction	Change the direction of text, mtext, arc labels, arc text, SmartDraft dynamic labels, and some Civil 3D labels. Flip object 180 degrees.	CLD
Reposition Labels and Arc Text	Change the vertical position of existing labels or existing arc text.	RPT
Change Label Precision	Change the decimal precision of distances, lengths, radii, tangents, chords, and the angular precision of bearings and deltas.	CLP
Scale Label	Scale existing labels or arc text. Change height of text.	SLB
Labeling Panel - Monuments		
Circles (Various Styles)	Create monument symbol.	
Squares (Various Styles)	Create monument symbol.	
Triangles (Various Styles)	Create monument symbol.	
Labeling Panel - Arrow Tools		
Arc Leader	Create an arced leader with various arrowhead types and an optional symbol. The leader can be either an AutoCAD leader object or a polyline.	ALR
Straight Leader	Create a straight leader with various arrowhead types and an optional symbol. The leader can be either an AutoCAD leader object or a polyline.	SLT
Convert Text or Reference Symbol to MultiLeader	Create a multileader from a selected text , mtext, or reference symbol.	TTM
Arc Leader Variable	Create an arced leader with a variable arrowhead and ending width.	ALV
Continuation Symbol	Add a continuation symbol at the end of an existing object.	
Add Arrowhead	Add an arrowhead symbol at the end of an existing object.	ARR
Break Symbol	Create a break symbol along an object.	IB
Pipe Crossing Symbol	Create a pipe crossing symbol along a line or arc.	PX
Labeling Panel - Reference Symbols		
Circle, Circle2, Diamond, Hexagon, Keyhole, Oval, Star, Square, and Triangle	Create symbol type with leader option.	
Reference Symbol Attach	Attach a reference symbol to a SmartDraft label.	
Toggle Reference Symbol Data	Toggle reference symbol labeling data.	
Labeling Panel		
Construction Notes	Add a construction note or a construction notes list.	CN
Construction Notes List: Change Width	Change the width of a Construction Notes List (created by the Construction Notes command) and maintain the correct width for the tag column and the correct height of each row.	CNCW
Construction Notes List: Update	Update the construction notes lists within the current drawing, using the associated construction notes file.	CNU
Construction Notes Manager	Create and manage a Construction Notes file (.cnm).	CNM
Detail Notes	Create a detail type symbol with optional leader and notes.	DN

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Layer Panel		
Make Layer	Create new layer from the layer database.	LMK
Layer Type	Change the layer type. Cycle layer type between proposed, existing, and demolition.	LTY
Layer Thaw	Thaw and turn on frozen and turned off layers from a dialog box.	LTH
Layer Freeze	Freeze an object's layer by selecting it. Add support for Civil 3D styles defined with layers.	LFR
Layer Freeze – Block / Xref Layer	Freeze an object's layer inside a block or Xref by selecting it. Add support for Civil 3D styles defined with layers.	LFR
Change Layer	Modify the layer property of object(s) to the layer property of another object.	LC
Copy to Layer	Copy and move selected objects to a layer.	CLY
Points: Move Object to Current Point Layer	Move object to the current point layer.	
Isolate Layer	Isolate the layers of one or more selected objects by turning all other layers off.	LYI
Isolate Restore Layer	Restore layer setting to before the isolate layer command use was executed.	LYR
Layer Export	Export layer setting to a comma delimited file.	
Rename Layer	Rename a layer.	LRN
Erase Objects on Layer	Delete all the objects on selected layers.	LER
ID Layer	Inquire layer name of selected object.	LWT
ID Block Layer	Inquire layer name of selected object within a block or Xref.	LWB
Layout Panel		
Line Tangent to Arc	Create a line tangent to an arc.	
Line Tangent to Two Arcs	Create a line tangent to two arcs.	
Line Perpendicular to Line	Create a line perpendicular to a line or radial to an arc or circle.	
Line Bisect	Create a line at the bisection angle of two selected lines.	
Line by Turned or Deflection Angle	Create a line at a turned or deflection angle.	DTA
Arc Tangent	Create an arc tangent to an existing line.	
Arc by Length	Create an arc by center point, start point, and length.	ABL
Radial Lines	Create radial lines from selected arcs.	
Reverse Curve	Create a reverse curve between two lines.	
Fillet Zero	Fillet with the radius of 0. Extends two objects to a corner.	F0
Fillet with Radius Prompt	Fillet with the radius prompt. Extends two objects to a corner.	FR
Fillet 3 Limits	Create a fillet arc tangent to three objects.	F2
Traverse	Create linework and/or points using bearing, turned angle, length, delta, and coordinates.	
Lot Lines	Create lot lines along a line or arc.	
Cul-De-Sac	Create a cul-de-sac.	
Knuckle	Create a knuckle from two intersecting lines.	
Pedestrian Ramp	Create a pedestrian ramp.	
Driveway Wings	Create driveway wings.	
Rectangle	Create a rectangular polyline.	RECT
Shadow Rectangle / Box	Create a shadow rectangular/box.	RTS
Chainlink Symbol	Create chainlink fence linetype.	
Circle Linetype Symbol	Create linetype with circle symbol.	
Retaining Wall	Create retaining wall linetype type 1.	
Retaining Wall "V"	Create retaining wall linetype type 2.	
Demolition Symbol	Create linetype with hash marks.	

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Abutment Symbol	Create abutment symbol along selected object.	
Load Linetypes	Load custom linetypes into the drawing.	
Layout Panel - Offset Tools		
Offset Multiple	Create multiple concentric circles, parallel lines, and parallel curves.	OM
Offset to Current Layer	Create concentric circles, parallel lines, and parallel curves, and place the new objects on the current layer. With an option to offset to both sides.	OC
Offset Block / XREF	Create a new object at a specified distance from an existing object within a block or Xref, and place the new object on the current layer. With an option to offset to both sides.	OB
Offset Street	Create multiple offset objects on both sides and to specified layers. Create up to 10 offsets (five per side). The offset objects can be placed on specified layers from the layer database.	OSTR
Offset 3D Polyline	Create parallel lines from 3D polylines, and place the new objects on the current layer.	O3
Layout Panel - Block Tools		
Block and Detail Manager	Efficiently organize, share, and insert blocks and details (symbols).	BK
Block (Text) Rotate	Rotate blocks or text strings holding the insertion point.	BRT
Scale Block	Enlarge, reduce, or rotate selected blocks.	BSC
Count Block	Count all the blocks within the drawing.	BCT
Update Block	Update the definition of blocks in the current drawing.	BUP
Block to Bylayer	Change objects inside selected blocks to color bylayer.	BBL
Block Mirror and Rotate	Mirror and rotate a block with attributes.	BMR
Block Replace / Substitute	Replace one block with another block	BRE
Block Create Unnamed	Create an unnamed block.	BKU
Block Explode Attributes to Text	Explode block and convert attribute values within the block to text.	BX
Redefine Blocks	Redefine SmartDraft blocks with masking with user-defined blocks.	RB
Layout Panel - Parking Spaces Tools		
Parking Spaces	Create parking spaces along an arc or line.	PKS
Parking Spaces along Polyline	Create parking spaces along a polyline.	PKI
Parking Spaces Count Symbol	Insert a parking spaces count or handicap symbol.	PKC
Parking Spaces Report	Create a report of the number of regular and handicap parking spaces.	PKR
Layout Panel - Traffic Tools		
Pavement Arrow Symbols	Create various pavement arrows.	
Pavement Words / Symbols	Create various pavement words and symbols.	
Caution Signs	Create various caution signs.	
Warning Signs	Create various warning signs.	
Regulatory Signs	Create various regulatory signs.	
Traffic Control Cones	Create single or multiple traffic cones along selected paths.	
Layout Panel - XREF Tools		
Xref Open	Open an Xref for editing by selecting the Xref from the graphic screen or a dialog box.	OX
Xref Attach	Attach an Xref with scale set to 1, at 0,0,0, and rotation angle 0 on its own layer named X-<Xref filename>.	XA0
Xref Overlay	Overlay an Xref with scale set to 1, at 0,0,0, and rotation angle 0 on its own layer named X-<Xref filename>.	XO0
Xref Overlay - Modify Reference Name	Overlay an Xref with scale set to 1, at 0,0,0, and rotation angle 0 on its own layer named X-<Xref filename> with option to modify the XREF Reference Name.	XO0P

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SmartDraft Tool	Description	Alias
Xref Overlay2	Overlay an Xref with scale set to 1, at 0,0,0, and rotation angle 0 on the layer Xref.	XRX
Xref Overlay Multiple	Overlay multiple Xrefs with scale set to 1, at 0,0,0, and rotation angle 0 on its own layer named X-<Xref filename>.	XM
Xref Match Xclip	Apply the Xclip boundary of a source Xref to selected Xrefs.	XCM
Xref Color Screen	Change the colors of the Xref layers from non-screen to screened.	XCS
Layout Panel - Modify		
Attribute Move	Change the attribute text insertion point.	AT
Attribute Rotate	Change the attribute text rotation angle.	ATR
Attribute Move and Rotate	Change the attribute text insertion point and rotation angle.	ATM
Attribute Change	Change properties of selected attributes.	CAT
Attribute Edit	Edit the color/style/layer of selected attributes.	EAT
Attribute Replace	Replace the value of the attribute text.	ATV
Change Length	Change the length of an arc, line, or polyline.	CL
Change Angle	Change the angle (bearing) of a line.	CA
Break At	Break the selected object at a specified point.	BA
Break at Distance	Break the selected object at an entered distance from the end point.	BAD
Erase Outside	Erase outside - select objects to remain.	EO
Rotate Align	Rotate selected objects, and align them to an object, horizontal, or vertical.	RTA
Rotate ?d and Move	Move objects about a base point at a desired angle and displace orientation.	RTV
Planview Panel		
Define / Edit Alignment	Define an alignment from polylines, feature lines, survey figures, or parcel lines.	ALDE
Alignment Station and Offset Labels	Create a dynamic station and offset label with a note options for AutoCAD Civil 3D.	ASO
Alignment Station Intersection Label	Create a dynamic AutoCAD Civil product's alignment station intersection label.	AF
Label Alignment Stationing	Create station labels and ticks along an alignment.	
Laterals along Alignment	Create laterals (perpendicular/radial lines) along an alignment at entered stations.	
Planview Label Manual	Create a planview label by entering the text or selecting an object with text to obtain the text.	PLM
Coordinate Label	Create a coordinate label at a selected point.	CRF
Planview Crossing Pipes Label	Create a crossing pipes label in planview for AutoCAD Civil 3D.	PCL
Planview Structure Label	Create Planview Structure Labels for Civil 3D Pipe Network Structures	PVSL
Endpoint Ticks	Create tick marks at endpoints of lines and arcs.	TC
Grid Tick Label	Create dynamic coordinate grid ticks and labels.	GLB
Grid Label Reposition	Relocate a grid label to the nearest northing and easting coordinate values rounded to 100 units.	GLBR
North Arrow	Create a north arrow using the current horizontal scale.	NA
Barscale	Create a barscale using the current horizontal scale, the viewport scale, or an operator-specified scale.	BS
Cross Section Label	Create a dynamic cross section label.	CSL
Create Planview 3D Polyline from Profile	Create planview 3D polyline from an alignment and profile.	
Create Planview 3D Polyline from Pipe Network	Create a planview 3D polyline from a Civil 3D pipe network.	SM_P23DP

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Points Panel		
Point Options	Control point insertion settings. Option to add the new point to the survey database.	
Point Manual	Set points by specifying a point on the screen.	PTM
Point by Coordinates	Set points by specifying a northing and easting coordinate values.	
Points Calculate Slope	Set points and elevations along a calculated slope from two selected elevation objects along an arc or line.	PTCS
Points Elevation by Slope	Set points from a select point and elevation, calculate the elevation by a slope and a selected point (distance).	PTBS
Points Elevation at PVI	Set a point and elevation for a PVI from two elevation objects and two slopes.	PTPVI
Point Setback	Set one or two points along a line at specified setbacks.	BP
Point along Objects	Set points at key points along selected objects.	
Point at Station and Offset	Set points along an alignment at a station and offset.	
Points Offset Staking	Set points at a projection from a line to a target, corner offset, or offset along an arc / line.	
Traverse	Create linework and/or points using bearing, turned angle, length, delta, and coordinates.	TRA
Points Connect with Polyline	Connect points with a 2D or 3D polyline.	
Point Group States Manager	Saves, restores, and manages sets of point group orders that are called named point group states.	PTGM
Purge Point Groups	Purge empty Point Groups from the drawing	
Delete Point Groups	Delete selected point groups.	
Point Groups for a Point	Display a list of Point Groups for a selected point	PTGP
Point Label Style to As Composed for a Point	Change the Dragged State Display Value to As Composed for Point Groups of a selected point	PTAS
Export Description Key Set	Export a Description Key Set to a CSV file.	DKSEX
Import Description Key Set	Import Description Key Set information from a CSV file to update or create a set.	DKSIM
Point Elevation	Assign a calculated elevation points from a profile and alignment, surface, 3D polyline, feature line, parcel segment, or survey figure.	EP
Modify Elevation of Points: Absolute Hinge	Use a hinge line to edit the elevations of selected points. The hinge line is defined by two points. The absolute slope can be a slope (%) or a slope (X:1).	EPA
Modify Elevation of Points: Relative Hinge	Use a hinge line to edit the elevations of selected points. The hinge line is defined by two points. The relative slope can be a slope (%) or a slope (X:1).	EPR
Points Report using Surface(s)	Report the elevations of selected points based on two surfaces, a surface and the point, or the point.	PTRP
Cross Sections from Points	Create cross sections from points collected in the field in a cross-sectional pattern along an alignment.	PTX
Station and Offset Report from Points	Create a station and offset report from points along an alignment.	PTSOR
Point Station and Offset Information	Associate a point with an alignment, add the station, offset, and offset direction to the point data. When the point is moved, the station, offset, and offset direction update.	PTSO
Create Point Station and Offset Table	Create a station and offset point table.	
Point Label	Create a point label either by selecting point blocks or points.	PTL
Point Labels Rotation	Rotate the labels of Civil 3D Point.	PTR
Point Labels Drag Location Export	Export the drag state location of all the Civil 3D Point labels in the current drawing.	PTDLE

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SmartDraft Tool	Description	Alias
Point Labels Drag Location import	Import the drag state location of all the Civil 3D Point labels from an exported PLX file created with the Point Labels Drag Location Export command.	PTDLI
Point Block Extract	Extract the block from selected Civil 3D point objects with a block defined in their current Point Style.	PTBE
Point to Spot Label	Create a spot elevation label from a point object.	P2S
Label Northing and Easting Difference	Create a northing and easting difference label from the selected points.	NED
Point Coordinate Table	Create a coordinate list of points.	
Associate Survey Working Folder	Associate/set the Civil 3D Survey Working Folder with a drawing.	SVF
Point Merge (Files)	Merge the point data from two ASCII point files.	
Display who has a Survey Database Open	Display who has the Survey Database open for the current survey working folder.	
Find and Replace Description	Find and replace a point's raw descriptions or descriptions of Civil 3D survey points.	PTFR
Point: Zoom To	Zoom to the location of a specified point number.	PTZ
Points List Available	Displays the point numbers that are available for use in the current project.	PTA
List Available Point Numbers in Survey Database	List the available point numbers in the open Civil 3D survey database.	PTADB
Create Selection Set	Create a selection set of point blocks and point objects.	SSP
Convert Survey Points into Drawing Points	Convert survey database points currently in the drawing into drawing points. This command converts survey database points in the drawing into drawing points so the points can be moved, elevation edited, and re-imported into the survey database using the Import Points from the Drawing into the Survey Database.	PSCV
Import Drawing Points into the Survey Database	Import points from the drawing into the Survey Database.	PSIM
Convert ASCII Point File to Field Book File	Convert ASCII point file to field book file.	PTFB
Convert Land Desktop Points into Civil 3D Points using insertion point	Convert Land Desktop Points into Civil 3D Points using the insertion point	PTLDT
Import Points	Import points from a file.	PTIN
Export Points	Export point data to a file.	PTEX
Polylines Panel – Parcel Tools		
Define Parcels	Define a parcel from a closed polyline.	ARD
Label / Manage Parcels	Label a parcel's name and area.	ARL
Create Reports	Create area, closure, and legal description reports from defined parcels.	ARP
Parcel Inquiry	View and Modify Parcel Data	PRQ
Area Divide	Divide a closed area by sliding or rotating a division line.	ARV
Area Table	Create a list of areas, perimeters, acres, or hectares reading SmartDraft parcels or AutoCAD Civil product's parcels' data.	ART
Legal Description from Polyline	Create a legal description from a selected polyline or parcel label.	PLL
Legal Description Options Style Manager	Create and modify legal options styles to be used with the Legal Report command.	

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SmartDraft Tool	Description	Alias
Polylines Panel – PConnect Tools		
PConnect	Create polylines with straight and curved segments to represent geometric shapes by connecting specific point descriptions.	PC
PConnect Description Key Manager	Create, edit, import, and manage PConnect's description key styles.	PCS
PConnect Template Manager	Create, edit, and manage PConnect templates.	PCT
Erase Polylines	Erase polylines on selected or all layers.	EPL
Erase 3D Polylines	Erase 3D polylines on selected or all layers.	E3PL
Polylines Panel		
Polyline Reverse Direction	Reverse the direction of a polyline/lwpolyline or 3D polyline.	RP
Polyline Change Start Point	Change the starting point of a closed polyline.	PLS
Convert to Tree Line	Convert an arc, line, or polyline to a tree or brush line.	PLTL
Polyline Convert 2D to 3D	Convert 2D polyline to 3D polyline.	
Polyline Convert 3D to 2D	Convert 3D polyline to 2D polyline.	
Convert Spline to Polyline	Convert a spline to a 2D or 3D polyline.	PLS
Convert Survey Figure to 2D Polyline	Convert Civil 3D survey figure to 2D polyline.	
Add Vertices	Add vertices to a polyline.	PLAV
All Segments to Arcs	Modify the (bulge) arc factor of all segments in a polyline.	
Modify Selected Segment	Add, modify, or remove an arc from a selected polyline segment.	PLBE
Polyline Edit Width	Modify the width of polylines.	CW
Edit Polyline Linetype gen to ON	Change the linetype gen property of polyline to ON.	
Polylines Edit Elevation	Edit the elevations of polyline; increment the elevations.	
Create Polyline by Objects	Create a polyline over existing objects.	PLO
Create 3D Polyline	Create 3D polyline from selected objects.	3DP
Create Polyline with Arcs	Create a free form tree or brush line on the plant layer with a uniform arc.	
Join	Join arcs, lines, polylines, and text strings.	JN
Join Quick	Join arcs, lines, and 2D polylines with gap tolerance.	QJ
Join 2D Polylines	Join arcs, lines, and 2D polylines with a gap tolerance.	PJ
Profile Panel		
Define / Edit Profile	Define or Edit profile design data associated to an alignment	PFM
Create Existing Ground Profile	Create an existing ground (EG) profile from a surface or polylines along a SmartDraft alignment.	PFEG
Station and Elevation	Create a profile from stations and elevations.	
Label Profile Views	Create station and elevation labels for Civil 3D Profile Views.	PVL
Label Profile Views - (2 Points)	Create station with two elevations labels in a Civil 3D Profile View	PVL2
Create Profile View (Profile Grid)	Create a profile grid (profile view) of an alignment and profile using a dynamic block.	PVG
Create Profile View Station / Elevation Label	Create a Profile View station or elevation labels at specified locations	PVGL
Label Profile (Note)	Create a profile note	PVN
Label Profile View - Profile Alignment Station Intersection	Create Profile View Alignment Station Intersection Labels	PVI
Label Profile View – Profile Slope	Create slope labels for a profile in a Civil 3D Profile View	
Profile View Labels Reset to Home Position	Reset SmartDraft dynamic Profile View Labels to their home position	PVH

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Profile View Labels Update	Update the values of the SmartDraft dynamic Profile View Labels.	PVU
Profile Labels - Reset to Home Position	Reset SmartDraft dynamic Profile Labels to their home position.	PVH
Profile Labels - Cleanup	Cleanup overlap of SmartDraft profile labels.	PVC
Profile Labels along the Alignment	Create labels at the profile design point stations and elevations along the alignment, i.e., start point, end point, beginning vertical curve, ending vertical curve, grade breaks, high point, and low point.	
Label Profile (Profile Line)	Create profile line from a Civil 3D profile.	
Label Profile (Alignment Horizontal Geometry Data)	Create profile labels at the alignment design stations and elevations along the profile, i.e., PI, BC, EC, compound curve, reverse curve, and spiral points. Add option for dynamic label in version 16.0.0	
Station Label	Create station and elevation labels.	
Distance and Elevation or Slope	Create a profile from distances and elevations or slopes.	
Digitize	Create a profile from digitized planview points and elevations.	
Curb Return	Create a curb return profile.	
Profile from Points Along an Alignment	Create an output file or profile from selected alignment and point objects.	
Profile from Polyline - Profile View	Create a Civil 3D profile from a polyline within a Profile View.	
Profile Copy and Adjust - Profile View	Copy and adjust the elevations of a Civil 3D profile within a profile view	PFC
Angle, Draw, Inquire, Label, or Pipe	Create profile lines at a given slope, label slope, find vertical deflection angle, inquire slope, and offset pipe of selected line. Add support for Civil 3D pipe network objects.	
Crossing Pipes	Create crossing pipe symbols in the profile.	
Pipe Cut Away	Create a cut away pipe symbol in the profile.	
Profile Arc Leader	Create an arced leader with various arrowhead and optional symbol. The leader can be either an AutoCAD leader object or a polyline.	ALRP
Profile Straight Leader	Create a straight leader with various arrowhead and optional symbol. The leader can be either an AutoCAD leader object or a polyline.	SLRP
Profile Dimension	Label the distance between two selected points on the profile text layer.	DSPF
Profile Calculator	Profile slope, intersection, and vertical curve calculator.	
Label Section Views	Create offset and elevation labels for Civil 3D Section Views or Land Desktop cross sections.	SVL
Section View: Draw a Polyline	Create a polyline in a section view using offsets and elevations, or specify point.	SVDR
Section View: Points	Set points along an alignment at the station, offset, and elevation by selecting a point on a section view.	SVP
Section View: Slope Label (2 Points)	Create a slope label within a Civil 3D Section Views by selecting 2 points.	SVS
Section View: Adjust Elevations	Adjust the minimum and maximum elevations of a Section View	SVE
Adjust Pipe Slope / Elevations	Adjust the slope / elevations of Civil 3D Pipe Network Pipes in Plan or Profile View	PNAS
Structure RIM Label Profile View	Create Structure RIM Labels for Civil 3D Pipe Network Structures in Profile View	PVRL
Structure Bottom Label Profile View	Create Structure Bottom Labels for Civil 3D Pipe Network Structures in Profile View	PLIL
Crossing Pipe Label Profile View	Create Crossing Pipe Labels for Civil 3D Pipe Network Pipes in Profile View	PVCPL
Pipe Deflection Angle Label	Create Pipe Deflection Angle Labels for Civil 3D Pipe Network Pipes in the Profile.	PVDAL
Draw Single Line Pipe	Draw a single line pipe of Civil 3D Pipe Network Pipes in Profile View	PVDP

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
Profile View		
Set Pipe Network Pipe Direction	Set Pipe Network Pipe Direction	PSB
Text Panel		
Text Parallel or Tangent	Create text parallel or tangent to a selected line, arc, or polyline.	TW
Arc Text	Create arc text from a selected arc or circle.	TAR
Polyline Text	Create text which follows along a polyline, spline, arc, circle, ellipse, and Civil 3D alignment, feature line, parcel segment, and survey feature.	TPL
Add Note	Create text with the same style, rotation, layer and standard spacing as selected text.	TN
Sequential Numbering	Create or replace text with sequential numbers or letters.	TS
Text Online	Create block text for various utilities from a dialog box.	
Text Styles	Small, Medium, Large, Filled, Shadow, Dashed, Street, and Lot #	
Text, Arc Text, and Attribute Mask	Place a mask object behind selected text, mtext, arc text, pline text, or attributes. The mask is offset from the text by a specified value.	AM
Text, Arc Text, and Attribute Unmask	Remove the mask objects from text, mtext, arc text, pline text, mtext, and attributes that have been masked with the Text, Arc Text, and Attribute Mask command.	AU
Text Respacing	Adjust the spacing between selected text strings.	TRS
Text Spacing	Create text in the drawing with the option to adjust the line spacing.	TSG
Fit Text	Forces selected text to fit between two points while maintaining the text height.	TFF
Edit Label	Modify text created with TEXT, DTEXT, labeling, ARCTEXT, blocks with attributes, AutoCAD Civil product's point objects, and point label, point elevation, label coordinate, slope label (1 Point), dimension arc, and arc text.	ED
Edit Multiple Labels	Modify multiple text strings or blocks with attributes.	EDD
Edit Text Properties	Modify the properties of text, mtext, and attributes within a block.	TE
Erase Empty Strings	Erase empty text strings.	
Copy String (Match Text)	Copy/match the source text string to target text string(s) or attribute value(s).	MTT
Swap Strings	Swap one text string for another.	TSW
Adjust Numbers	Adjust or round the number(s) within text strings.	TAD
Text Mathematics	Add, subtract, multiply, and/or divide numeric values of selected text, mtext, or attribute objects.	TMH
Import Text	Import an ASCII file.	
Export Text	Export text to an ASCII file.	
Text Add Prefix / Suffix	Add a prefix and/or suffix string to existing text, mtext, SmartDraft arc text, dimensions, and attributes.	TFF
Add (), {}, {}, <>	Add a prefix and/or a suffix to text and attributes.	VARIABLES
Text Remove Prefix / Suffix	Remove the (), [], {}, and <> prefix and suffix from text, mtext, attributes, and dimension.	UP
Underline / Overscore	Add underline/overscore to text.	
Text Vertical	Rotate text or blocks vertical to the bottom of the screen.	TV
Text Horizontal	Rotate text or blocks horizontal to the bottom of the screen.	THZ
Text Align Parallel or Tangent	Align text or blocks parallel to a line or tangent to an arc.	TP
Text X-Align	Modify the horizontal alignment point of text along the vertical axis determined by the angle of the first selected text.	TL

SmartDraft 24.x Commands



SmartDraft Tool	Description	Alias
View Panel		
View Twist	Twist the view so two selected points in the drawing become parallel to the bottom of the screen.	VT
View Twist 0	Restore a drawing's view (if twisted) to the northerly direction pointing up.	V0
View All (Restore)	Save named views ALL or All-*	VA
View Save All	Restores the view named ALL or ALL-? in a viewport, where ? is the viewport number.	VSA
Crosshairs Horizontal to Screen	Rotate the crosshairs to be parallel with the bottom of the screen.	UV
Crosshairs to 0	Rotate the crosshairs to point in a northerly direction.	UW
Crosshairs Align to Object	Align crosshairs to a selected object.	UO
Viewport Lock	Lock a viewport	VL
Viewport Unlock	Unlock a viewport	VU
View Panel - Viewport Tools		
Viewport Make	Create viewport by selecting rectangle in modelspace.	VPM
Viewport Zoom	Viewport zoom setup by selecting the viewport frame.	VPZ
Viewport Divide	Divide a viewport vertically or horizontally.	VPD
Viewport Frame	Create a polyline of the viewport frame in modelspace.	VPF
Viewport Align	Align selected viewports' content to a source viewport.	VPA
Viewport Move by Interval	Move the contents of a viewport vertically or horizontally by a given interval.	VPMV
Move up 1 Unit	Move the contents of a viewport up 1 unit.	VPU1
Move up 5 Units	Move the contents of a viewport up 5 units.	VPU5
Move down 1 Unit	Move the contents of a viewport down 1 unit.	VPD1
Move down 5 Units	Move the contents of a viewport down 5 units.	VPD5