

Civil 3D Kickstart

The Civil 3D Kickstart program from ZenTek Consultants lets you choose the Civil 3D components that are vital to the work you do and add additional components as you need them. We include consulting time to help you determine your needs, help you get the Kickstart up and running, and additional support time once the Kickstart is complete. We also include demonstration and training time for your staff on how to use our standards and styles to their best benefit.

The Civil 3D Kickstart program includes all the below items for one low, fixed, price:

Consulting

- One (1) hour online pre-deployment to discuss template needs and options
- One (1) hour online post-deployment to discuss additional needs/questions
- Written documentation of all standards with installation/use instructions

Available Templates (includes your choice of two)

- Survey
- Site Design
- Road Design
- Utility Design
- Grading Design
- Profile Design
- Section Design
- Landscape Design

Training

- One (1) hour online demonstration/explanation for up to 20 students

C3D Style Naming Convention (ZenTek included)

- ZenTek - All styles have (ZTK_) prefix
- Custom - Company Custom Prefix (optional)

Linetype Files (complex included)

- ZenTek Complex
- ZenTek Custom Civil (optional)

Layering Structures (vanilla included)

- NCS Structure – Vanilla
- NCS Structure – with defined Filters (optional)

Plot Styles (STB included)

- Style Dependent (STB)
- Color Dependent (CTB) (optional)

Annotation Styles

- Fonts (existing & proposed)
- Dimension Styles (existing & proposed)

Plotting/Display Scales

- Architectural
- Civil
- Mapping

Optional Items

Add any of these components on to your Kickstart for an additional fee:

- One Hour Online Training (up to 20 students)
- Additional Template
- ZenTek Custom Civil Linetype
- Layers Structure with Defined Filters
- CTB Plot Style Setup
- C3D Custom Styles Naming



Civil 3D Kickstart Template Details

Common Template Components

All ZenTek Kickstart Templates (.DWT) contain standard (or optional user purchased) NCS drafting layers, dimension styles, fonts, linetypes, scales, and 2D symbols for standard plan display, as well as the below listed Civil 3D Display and Label Styles.

Object Display Styles

- General
 - Multipurpose Styles - as required for basic C3D item displays
- Points
 - (3) Point Display Styles (Existing, Proposed, No_Display)
 - (1) Default style with X marker
 - (1) All Points style
 - (1) No_Display style
- Surfaces
 - Border only
 - No_Display
 - Surface editing (all TIN info displayed)
- Alignments
 - (1) Plan style
 - (1) Profile style
- Profiles
 - (1) Road style
 - (1) Pipe style
- Profile Views
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling

Object Label Styles

- General
 - Note, Line, Curve, etc. configured with default fonts and sizes
- Points
 - (1) Default style (Number/Elev/Description)
 - (1) Elevation Only style
 - (1) No_Display style
- Surfaces
 - (1) Default contour style
 - (1) Default spot elevation
 - (1) Default slope style



- Alignments
 - (1) Default stationing - 1+00 style format
- Profiles
 - (1) Default Label style
- Profile Views
 - (1) Default Label Set
- Cross Sections
 - (1) Default Label Set

Survey Template Components

[Click here](#) to see sample output using the Survey BasePlan template

In addition to the standard template parameters, the ZenTek Kickstart Survey Template also includes the following:

- Description Keys
 - A single Key Set, developed to work in conjunction with PConnect, automated survey drafting software.
- Point Groups
 - (20) Pre-defined Groups to auto-sort point based upon ZenTek/PConnect point codes
 - (1) No_Display Group
 - (1) All Points Group
 - (1) Topography Group (includes all physical point features for surface creation)
- Surfaces
 - (1) pre-defined "Existing" surface, linked to the Topography point group to automate surface creation
- Sites
 - (2) Sites (on-site & off-site)
- Labels
 - Existing notes use the "Existing" font type
 - Existing elevations labels are bracketed (100.0)
- Defaults
 - Default Object Layers will be set for NCS Survey (V-????-????) equivalents

Object Display Styles

- Points
 - (45) Point Display Styles, linked to 2D blocks & layers
 - (1) Default Survey style with X marker
- Surfaces
 - (3) "Existing" surface styles (1-5, 2-10, 5-25 ft. contour intervals)



- Alignments
 - (3) “Existing” Plan styles (Road, Sanitary, Storm)
- Profiles
 - (3) “Existing” Profile styles (Road, Sanitary, Storm)
- Profile Views
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling

Object Label Styles

- General
 - Note, Line, Curve, etc. configured with “Existing” fonts and sizes
- Points
 - (6) Survey styles (walls, curbs, N/E, Lat/Long)
- Surfaces
 - (1) ea. Major/Minor Contour style. Using “Existing” font/size
 - (6) Spot elevation styles (Curbs, Walls, Spots) Using “Existing” font/size
 - (1) Default slope style Using “Existing” font/size
- Alignments
 - (3) “Existing” Label Sets (Road, Sanitary, Storm)

Landscape Template Components

In addition to the standard template parameters, the ZenTek Kickstart Landscape Template also includes the following:

- Symbol Sets
 - (5) LS tree symbols linked to Descriptor Keys
 - (5) LS shrub symbols linked to Descriptor Keys
 - (10) LS site symbols linked to Descriptor Keys
- Tables
 - (1) Table for plant list
 - (1) table for Coverage areas (using parcel tools)
- Layering
 - All layers, other than LS, are dropped to background display
- Surfaces
 - (3) pre-defined "Existing" surface, linked to the Topography point group to automate surface creation
- Sites
 - (2) Sites (parking & coverage)
- Labels
 - All notes will use a “hand lettered” font type



- Defaults
 - Default Object Layers will be set for NCS Landscape (L-????-????) equivalents

Object Display Styles

- Points
 - (1) Existing Point Style
 - (1) Proposed Point style
- Surfaces
 - (3) “Existing” surface styles (1-5, 2-10, 5-25 ft. contour intervals)
 - (3) “Proposed” surface styles (1-5, 2-10, 5-25 ft. contour intervals)

Object Label Styles

- General
 - Note, Line, Curve, etc. configured with “Landscape” fonts and sizes
- Points
 - (1) “Landscape” label style
 - (6) calculated curb elevation styles (4”, 6”, 8”) bot BC and TC start
- Surfaces
 - (1) ea. Major/Minor style. Using “Landscape” font/size
 - (6) Spot elevation styles (Curbs, Walls, Spots) Using “Landscape” font/size
 - (1) Default slope style Using “Landscape” font/size

Grading Design Template Components

[Click here](#) to see sample output using the Grading Design template

In addition to the standard template parameters, the ZenTek Kickstart Grading Template also includes the following:

Object Display Styles

- General
 - (1) Feature Line style (buildings)
 - (1) Feature Line style (swales)
 - (1) Feature Line style (wall-curb)
 - (1) Feature Line style (grade control)
- Grading
 - (2) Cut styles (grading & slope)
 - (2) Fill styles (grading & slope)
 - (1) Grading Criteria set (distance/elevation/surface/slope)
- Points



- (2) Point Display Styles (Existing/Proposed), linked to 2D blocks & layers
- Surfaces
 - (2) 1' & 5' Contours (background + foreground)
 - (2) 2' & 10' Contours (background + foreground)
 - (2) 5' & 25' Contours (background + foreground)
 - Border only
 - No_Display
 - Elevation ranges banding
 - Slope ranges banding
 - Surface editing (all TIN info displayed)
- Alignments
 - (2) Road (background + foreground)
- Profiles
 - (2) Road (background + foreground)
- Profile Views
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling
 - (1) 1:2 scale with basic station/elevation labeling
 - (1) 1:5 scale with basic station/elevation labeling

Object Label Styles

- Points
 - (1) Full Label (foreground)
 - (1) Elevation Only (foreground)
 - (1) Description Only (foreground)
 - (1) latitude/longitude style (foreground)
 - (1) Northing/Easting style (foreground)
 - (3) TOC style (4", 6", 8" - foreground)
 - (3) BOC style (4", 6", 8" - foreground)
 - (1) TOW style (foreground)
 - (1) BOW style (foreground)
 - No_Display style
 - (1) Table Style - latitude/longitude
 - (1) Table Style - PNEZD
- Surfaces
 - (1) Label major & minor contours (foreground)
 - (1) Label spot elevation (1.0 - foreground)
 - (1) Label spot elevation (1.00 - foreground)
 - (1) Label slopes by % (foreground)
 - (1) Label slope by rise/run (foreground)
- Alignments
 - (1) Road - 1+00 style format (foreground)



- Profiles
 - (1) Label sets (foreground)
- Profile Views
 - (1) Station Elevation label
 - (1) Depth label
 - (1) Projection label
- Cross Sections
 - (1) Label set

Site Design Template Components

[Click here](#) to see sample output using the Site Design template

In addition to the standard template parameters, the ZenTek Kickstart Site Design Template also includes the following:

Object Display Styles

- Parcels
 - (1) Lot style
 - (1) Road style
 - (1) Soils style
 - (1) Storm water style
 - (1) Wetlands style
- Points
 - (2) Point Display Styles (Existing/Proposed), linked to 2D blocks & layers
- Surfaces
 - (2) 1' & 5' Contours (background + foreground)
 - (2) 2' & 10' Contours (background + foreground)
 - (2) 5' & 25' Contours (background + foreground)
 - Border only
 - No_Display
 - Elevation ranges banding
 - Slope ranges banding
 - Surface editing (all TIN info displayed)
- Alignments
 - (2) Road (background + foreground)
- Profiles
 - (2) Road (background + foreground)
- Profile Views
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling
 - (1) 1:2 scale with basic station/elevation labeling



- (1) 1:5 scale with basic station/elevation labeling

Object Label Styles

- Parcels
 - (1) Area style
 - (1) Area & Perimeter style
 - (1) No_Label style
 - (1) Number Only style
 - (1) Parcel Name & Area style
 - (1) Bearing & Distance style
 - (1) Curve label style
 - (2) tag styles (linear/curve)
 - (4) Table styles (line/curve/segment/area)
- Points
 - (1) Full Label (foreground)
 - (1) Elevation Only (foreground)
 - (1) Description Only (foreground)
 - (1) latitude/longitude style (foreground)
 - (1) Northing/Easting style (foreground)
 - (3) TOC style (4", 6", 8" - foreground)
 - (3) BOC style (4", 6", 8" - foreground)
 - (1) TOW style (foreground)
 - (1) BOW style (foreground)
 - No_Display style
 - (1) Table Style - latitude/longitude
 - (1) Table Style - PNEZD
- Surfaces
 - (1) Label major & minor contours (foreground)
 - (1) Label spot elevation (1.0 - foreground)
 - (1) Label spot elevation (1.00 - foreground)
 - (1) Label slopes by % (foreground)
 - (1) Label slope by rise/run (foreground)
- Alignments
 - (1) Road - 1+00 style format (foreground)
- Profiles
 - (1) Label sets (foreground)
- Profile Views
 - (1) Station Elevation label
 - (1) Depth label
 - (1) Projection label
- Cross Sections
 - (1) Label set



Road Design Template Components

[Click here](#) to see sample output using the Road Design template

In addition to the standard template parameters, the ZenTek Kickstart Road Design Template also includes the following:

Object Display Styles

- Corridors
 - (1) Corridor Style
 - (1) Assembly style
 - (1) Intersection style
 - (9) Intersection subassemblies (present & named in template)
 - (1) Wetlands style
- Points
 - (2) Point Display Styles (Existing/Proposed), linked to 2D blocks & layers
- Surfaces
 - (2) 1' & 5' Contours (background + foreground)
 - (2) 2' & 10' Contours (background + foreground)
 - (2) 5' & 25' Contours (background + foreground)
 - (1) Border only
 - (1) No_Display
 - (1) Elevation ranges banding
 - (1) Slope ranges banding
 - (1) Surface editing (all TIN info displayed)
- Alignments
 - (2) Road (background + foreground)
 - (1) Offset style
- Profiles
 - (2) Road (background + foreground)
- Profile Views
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling
 - (1) 1:2 scale with basic station/elevation labeling
 - (1) 1:5 scale with basic station/elevation labeling

Object Label Styles

- Points
 - (1) Full Label (foreground)
 - (1) Elevation Only (foreground)
 - (1) Description Only (foreground)



- (1) TOC style (foreground)
- (1) BOC style (foreground)
- (1) TOW style (foreground)
- (1) BOW style (foreground)
- (1) No_Display style
- (1) Table Style - latitude/longitude
- (1) Table Style - PNEZD
- Surfaces
 - (1) Label major & minor contours (foreground)
 - (1) Label spot elevation (1.0 - foreground)
 - (1) Label spot elevation (1.00 - foreground)
 - (1) Label slopes by % (foreground)
 - (1) Label slope by rise/run (foreground)
- Alignments
 - (1) Road - 1+00 style format (foreground)
 - (2) No_Display style
- Profiles
 - (1) Label sets (foreground)
- Profile Views
 - (1) Station Elevation label
 - (1) Depth label
 - (1) Projection label
- Cross Sections
 - (1) Label set

Utility Design Template Components

[Click here](#) to see sample output using the Utility Design template

In addition to the standard template parameters, the ZenTek Kickstart Utility Template also includes the following:

Object Display Styles

- Points
 - (2) Point Display Styles (Existing/Proposed), linked to 2D blocks & layers
- Surfaces
 - (2) 1' & 5' Contours (background + foreground)
 - (2) 2' & 10' Contours (background + foreground)
 - (2) 5' & 25' Contours (background + foreground)
 - (1) Border only
 - (1) No_Display
 - (1) Elevation ranges banding
 - (1) Slope ranges banding



- (1) Surface editing (all TIN info displayed)
- Alignments
 - (3) Styles: Water, Sanitary, Storm (background)
 - (3) Styles: Water, Sanitary, Storm (foreground)
 - (2) Road styles (background & foreground)
- Profiles
 - (2) Road styles (background & foreground)
 - (2) Yard styles (background & foreground)
- Profile Views
 - (1) style at 1:1 vertical exaggeration, with basic labeling
 - (1) style at 1:15 vertical exaggeration, with basic labeling
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling
 - (1) 1:2 scale with basic station/elevation labeling
 - (1) 1:5 scale with basic station/elevation labeling
- Pipe Networks
 - (1) Storm Parts List (round pipes up to 36" & NF Structures)
 - (1) Sanitary Parts List (round pipes up to 36" & NF Structures)
 - (1) Water Parts List (pressure – DIP up to 36" & fittings/appurtenance)
- Pipes
 - (2) Storm (background + foreground)
 - (2) Sanitary (background + foreground)
 - (2) Water (pressure - background + foreground)
 - (3) Crossing styles (storm/sanitary/water)
- Structures
 - (1) A Inlet
 - (1) B Inlet
 - (1) C Inlet
 - (1) D Inlet
 - (1) Double B Inlet
 - (1) Double E Inlet
 - (1) Storm MH
 - (1) Sanitary MH
 - (1) FES
 - (1) Headwall

Object Label Styles

- Alignments
 - (2) Road - 1+00 style format (background + foreground)
 - (3) Pipe (water/sanitary/storm) - 100 style format (background + foreground)
- Profiles
 - (2) Road Label sets (background & foreground)



- (1) No_Label set
- Profile Views
 - (1) Station Elevation label
 - (1) Depth label
 - (1) Projection label
- Cross Sections
 - (1) Label set
- Pipes
 - (2) Storm Plan (background + foreground)
 - (2) Sanitary Plan (background + foreground)
 - (2) Water Plan (background + foreground)
 - (2) Storm Profile (background + foreground)
 - (2) Sanitary Profile (background + foreground)
 - (2) Water Profile (background + foreground)
 - (1) Section Crossing style
 - (1) Profile Crossing style
 - (1) Table style
- Structures
 - (2) Storm Plan (background + foreground)
 - (2) Sanitary Plan (background + foreground)
 - (2) Water Plan (background + foreground)
 - (2) Storm Profile (background + foreground)
 - (2) Sanitary Profile (background + foreground)
 - (2) Water Profile (background + foreground)
 - (1) Table style

Profile Design Template Components

[Click here](#) to see sample output using the Profile Design template

In addition to the standard template parameters, the ZenTek Kickstart Profile Template also includes the following:

Object Display Styles

- Plan/Profile Layouts
 - (5) 24x36 setups (10/20/20/40/50 scale)
 - (5) 30x42 setups (10/20/20/40/50 scale)
- Profile Only Layouts
 - (5) 24x36 setups (10/20/20/40/50 scale)
 - (5) 30x42 setups (10/20/20/40/50 scale)
- Surfaces
 - (2) 1' & 5' Contours (background + foreground)
 - (2) 2' & 10' Contours (background + foreground)



- (2) 5' & 25' Contours (background + foreground)
- (1) Border only
- (1) No_Display
- (1) Elevation ranges banding
- (1) Slope ranges banding
- (1) Surface editing (all TIN info displayed)
- Alignments
 - (3) Styles: Water, Sanitary, Storm (background)
 - (3) Styles: Water, Sanitary, Storm (foreground)
 - (2) Road styles (background & foreground)
- Profiles
 - (2) Road styles (background & foreground)
 - (2) Yard styles (background & foreground)
- Profile Views
 - (1) style at 1:1 vertical exaggeration, with basic labeling
 - (1) style at 1:15 vertical exaggeration, with basic labeling
 - (1) style at 1:10 vertical exaggeration, with basic labeling
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling
 - (1) 1:2 scale with basic station/elevation labeling
 - (1) 1:5 scale with basic station/elevation labeling

Object Label Styles

- Alignments
 - (2) Road - 1+00 style format (background + foreground)
- Profiles
 - (2) Road Label sets (background & foreground)
 - (1) No_Label set
- Profile Views
 - (1) Station Elevation label
 - (1) Depth label
 - (1) Projection label
- Cross Sections
 - (1) Label set

Section Design Template

In addition to the standard template parameters, the ZenTek Kickstart Section Design Template also includes the following:

Object Display Styles

- Section Layouts



- (5) 24x36 setups (10/20/20/40/50 scale)
- (5) 30x42 setups (10/20/20/40/50 scale)
- Sample Line Styles
 - (1) Roadway style
 - (1) Yard style
- Surfaces
 - (2) 1' & 5' Contours (background + foreground)
 - (2) 2' & 10' Contours (background + foreground)
 - (2) 5' & 25' Contours (background + foreground)
 - (1) Border only
 - (1) No_Display
 - (1) Elevation ranges banding
 - (1) Slope ranges banding
 - (1) Surface editing (all TIN info displayed)
- Alignments
 - (3) Styles: Water, Sanitary, Storm (background)
 - (3) Styles: Water, Sanitary, Storm (foreground)
 - (2) Road styles (background & foreground)
- Cross Sections
 - (1) 1:1 scale with basic station/elevation labeling
 - (1) 1:2 scale with basic station/elevation labeling
 - (1) 1:5 scale with basic station/elevation labeling

Object Label Styles

- Sample Line Styles
 - (1) Section Mark style
 - (1) Section Station style
- Alignments
 - (2) Road - 1+00 style format (background + foreground)
- Cross Sections
 - (1) Label set

