



CivilCAD11

What's new in CivilCAD 11



Compatible with AutoCAD and ZWCAD 2025 Versions

The new CivilCAD 11 is fully compatible with AutoCAD 2025 and ZWCAD 2025.

Additionally, it is compatible with the following earlier versions: AutoCAD 2018–2024 and ZWCAD 2020–2025.





Single Project File

No more multiple files—each project is now contained in a single .prj file that includes the entire project's data.

Before -

ALMOG-05.db	30/11/2022 18:14	3DB File	25,738 KB
ALMOG-05.brd	09/02/2022 16:13	BRD File	3 KB
ALMOG-05.car	30/11/2022 18:26	CAR File	1 KB
ALMOG-05.cor	09/02/2022 16:13	COR File	1,437 KB
ALMOG-05.dco	30/11/2022 18:26	DCO File	2 KB
ALMOG-05.dpb	02/08/2018 16:19	DPB File	2 KB
ALMOG-05.dpl	02/08/2018 19:50	DPL File	1 KB
ALMOG-05.drp	10/03/2021 22:11	DRP File	1 KB
ALMOG-05.erp	02/08/2018 16:14	ERP File	1 KB
ALMOG-05.g	30/11/2022 18:14	G File	614 KB
ALMOG-05.lol	30/11/2022 18:26	LOL File	11,587 KB
ALMOG-05.pas	03/12/2009 23:13	PAS File	0 KB
ALMOG-05.pip	01/02/2022 22:22	PIP File	248 KB
ALMOG-05.pr1	30/11/2022 18:26	PR1 File	19 KB
ALMOG-05.pr2	10/03/2021 22:28	PR2 File	1 KB
ALMOG-05.prj	30/11/2022 18:26	PRJ File	130 KB
ALMOG-05.rc21	03/02/2022 18:20	RC21 File	101 KB
ALMOG-05.rc22	09/02/2022 16:17	RC22 File	8 KB
ALMOG-05.rc23	03/02/2022 22:35	RC23 File	11 KB
ALMOG-05.rc24	10/03/2020 0:30	RC24 File	9 KB
ALMOG-05.rc25	03/02/2022 0:01	RC25 File	43 KB
ALMOG-05.rc26	30/11/2022 18:14	RC26 File	203 KB
ALMOG-05.rc27	03/02/2022 21:37	RC27 File	41 KB
ALMOG-05.rc28	08/03/2021 22:06	RC28 File	288 KB
ALMOG-05.rc29	18/03/2020 1:33	RC29 File	26 KB
ALMOG-05.rc210	19/02/2019 23:39	RC210 File	163 KB

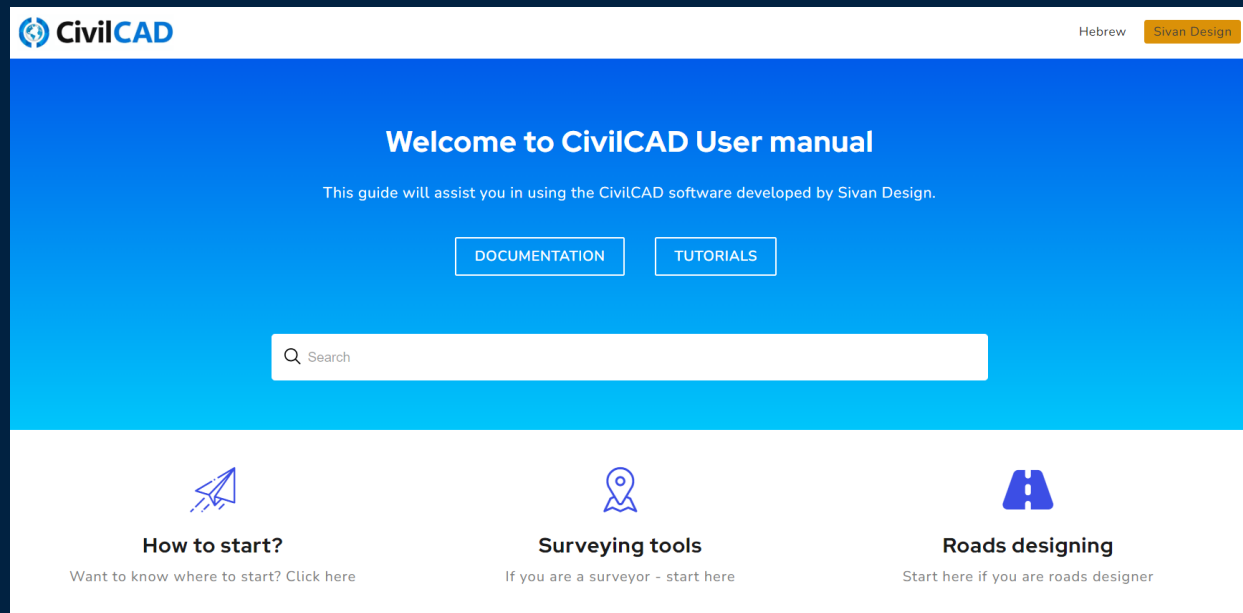
After -

ALMOG-05.prj	07/09/2024 11:08	PRJ File	71,112 KB
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Online User Manual

In CivilCAD version 11, we introduce the new online user manual for the first time. The manual is organized by topic and is easy and convenient to use. It covers an extensive range of subjects. Additional content and updates will be added over time.



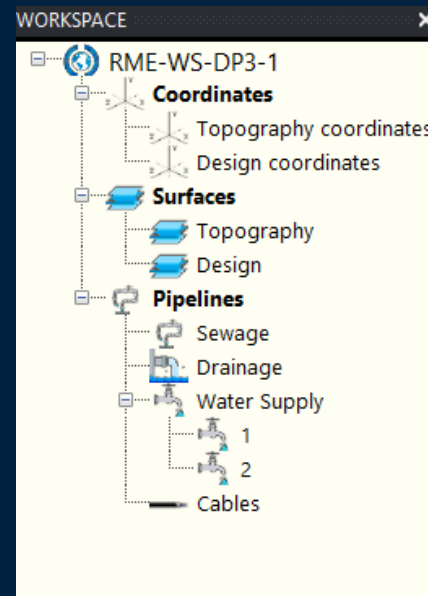


Workspace

The new Workspace allows full control of the project - the lists of topography coordinates, surfaces, pipelines and other project components will appear in the new WS. The WS allows you to organize the project components and arrange them in folders.

Right-clicking on a component in the WS will enable various actions related to the component. A right-click on a folder enables actions related to a components folder.

In the following versions, more and more capabilities will be added to the WS, thus making it possible to simplify processes and increase planning efficiency.

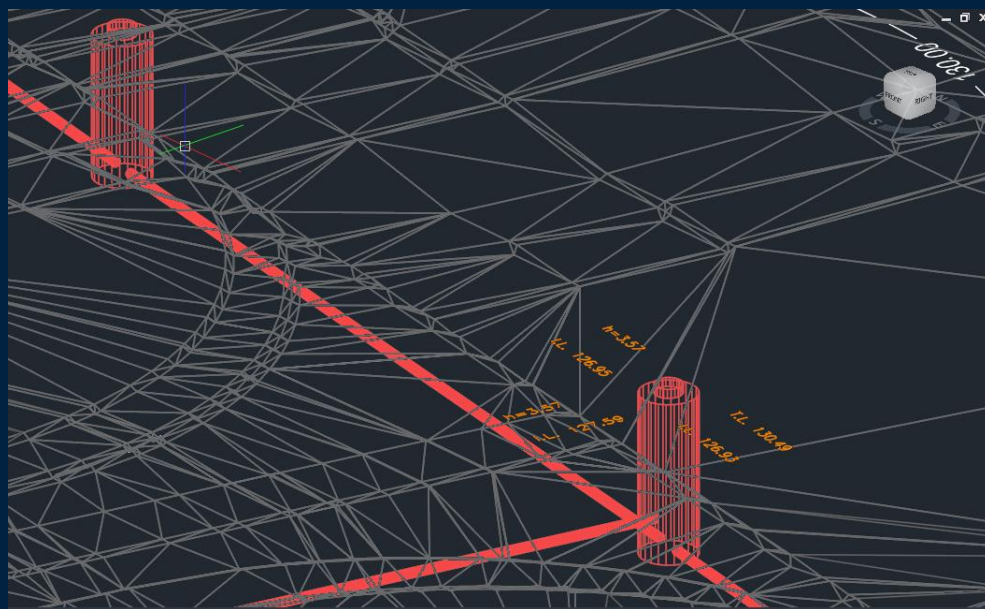




BIM

As is known, CivilCAD 11 is a BIM-based system—every component (surface, road, pipeline, etc.) is a 3D model with associative data. To enhance integration with other systems, the capabilities of creating BIM models have been improved, making them compatible with other systems such as ACC, BIMvision (a recommended free BIM software), and others.

* ZWCAD users will be able to load the BIM models directly into their drawing.

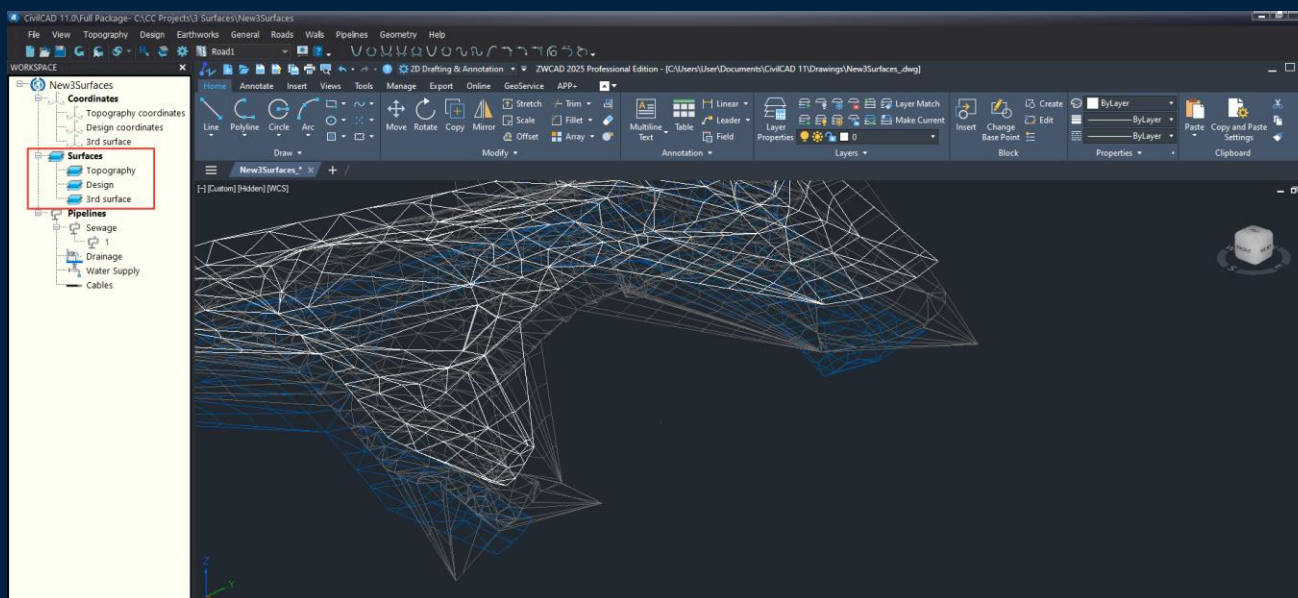


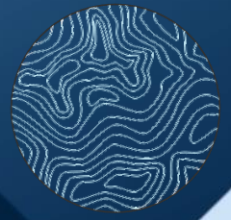


Multiple Surfaces

In the new version, in addition to the default list of points for Topography and Design, it is now possible to load a numerous coordinate lists and organize them into groups.

Accordingly, apart from the Topography and Design surfaces (contours), numerous surfaces can be created. This enables the saving of multiple versions of surfaces within the same project, loading various versions or survey stages, comparing surfaces, and calculating earthworks between any two desired surfaces.

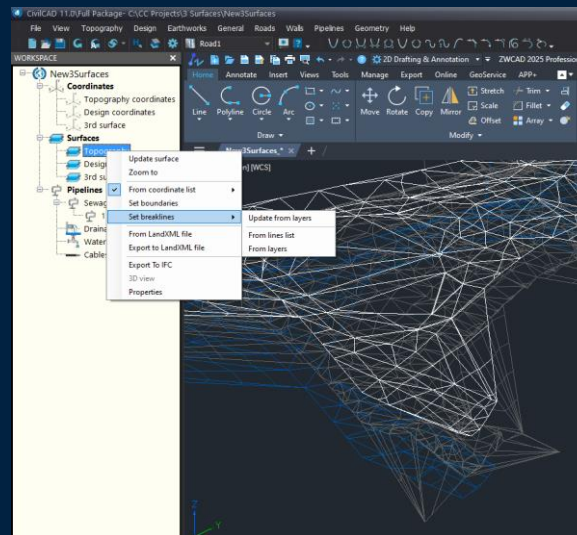
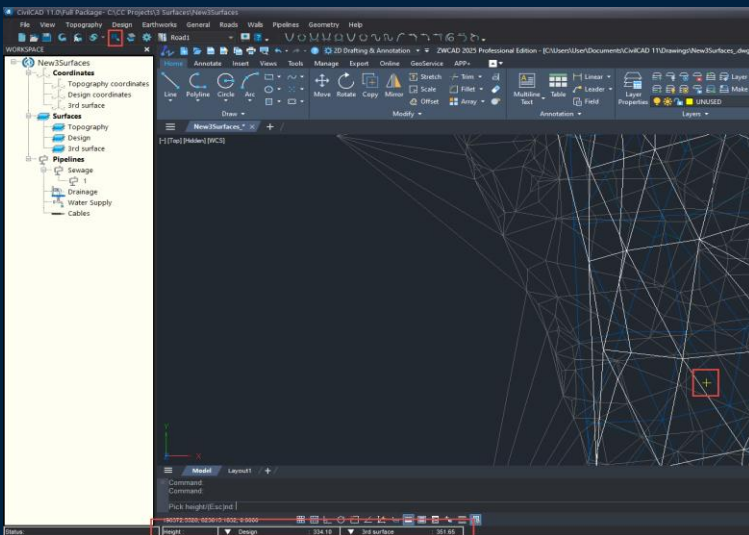




Additional Surfaces Capabilities

Many capabilities have been added to the surfaces, including:

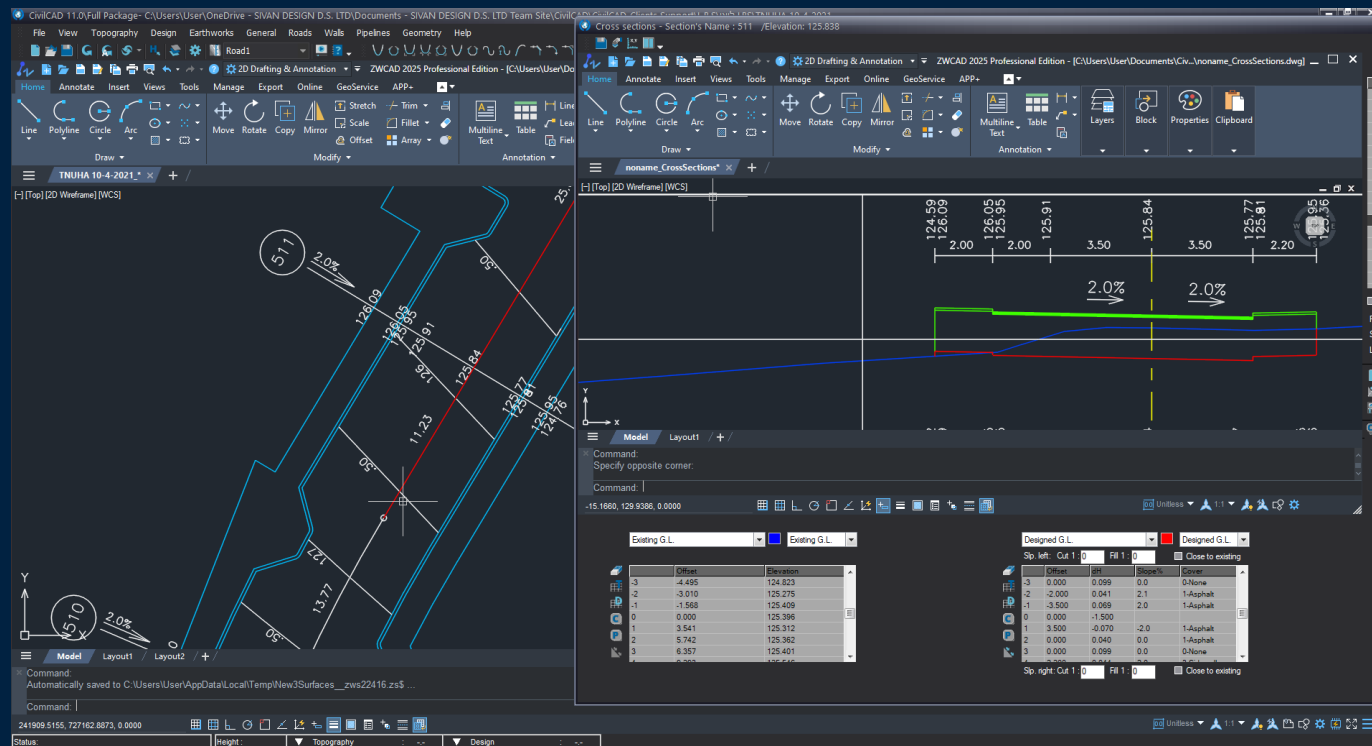
- Export / Import of LandXML.
- Defining the surface boundary from a Polyline: This existing feature has been improved to work in 100% of cases and is highly recommended.
- Defining Breaklines: Breaklines can now be defined from (linked to) a list of layers. Changes in the lines of these layer will be updated accordingly.
- Elevation Sampling: Elevation sampling can be performed between any two desired surfaces.





Cross Sections (Road) – Complete CAD Environment

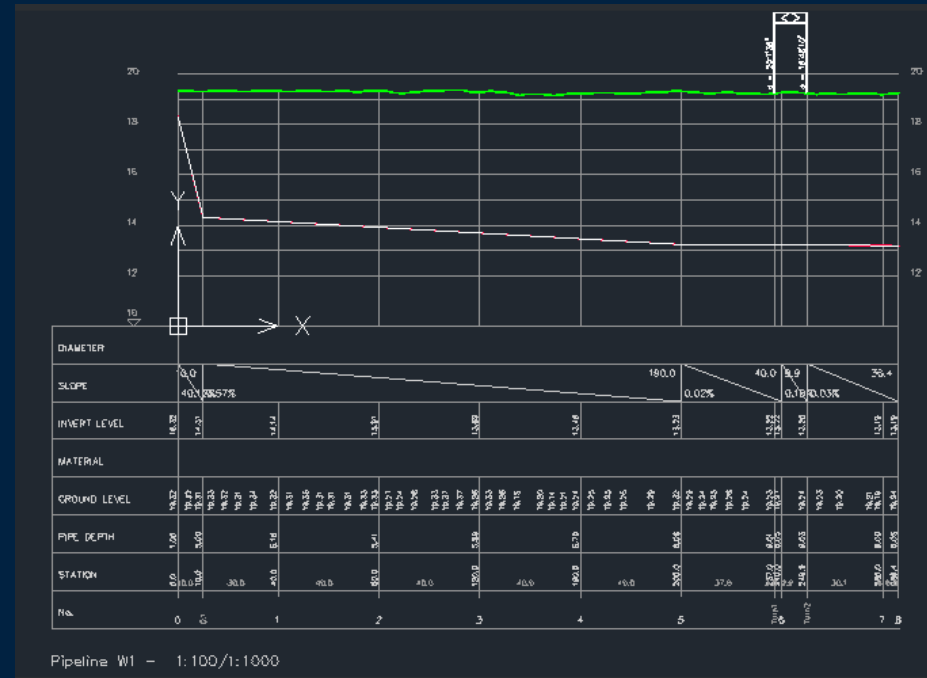
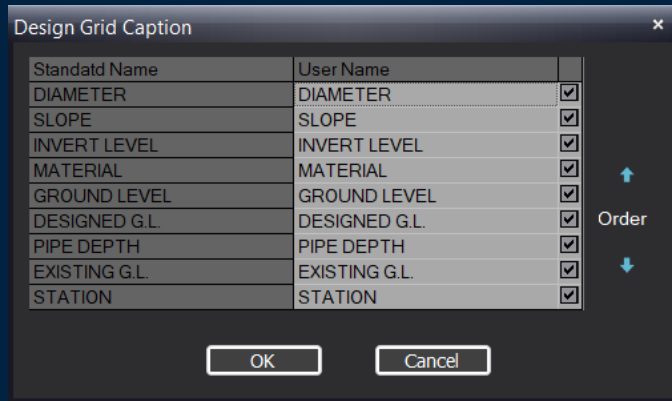
The working environment for cross-sections has been replaced with a CAD environment, providing faster, more accurate, and more convenient viewing.





Pipeline Sections Window

In the new version, users can fully control the display of data at the bottom of the section table. This includes managing which rows are displayed (yes/no), the order of rows in the table, and the caption in the row header.





Displaying Stations (Pegs) in Pressure Line Layout

The new CivilCAD 11 offers complete control over how stations (pegs) are displayed along the water supply line. This includes choosing the display format (serial numbers or running distance), positioning the stations parallel or perpendicular to the line, and adding prefixes to peg names (either individually for each line or collectively for all lines in the project).

Define automatic prefix

Station's automatic prefix

Prefix series format: **WS1, WS2**

Start prefix at: **WS1**

Prefix extension: _____

Overwrite existing prefixes

Overwrite all pipelines

Set only empty pipelines

OK Close

Station's Display

Station format: **Format2**

Label position: **Orthogonal**

Stations display intervals:

20

Distance between stations:

20

Name of first station:

KM **0** + **000**

M _____

OK Cancel

Options

Coordinates Surfaces Planes Earthworks General Roads Walls Pipelines

Category: **Layout**

Layout

Scale 1: **500**

Pipes number in select mode (manholes prefix): **4**

Pipeline width: **0** ("0" - default width; "-1" - no width)

Use Prefix **Set Prefix**

Show pipe's type **Stations' Display**

Force writing all data on drawing

Slopes precision

"0.0" "0.00"

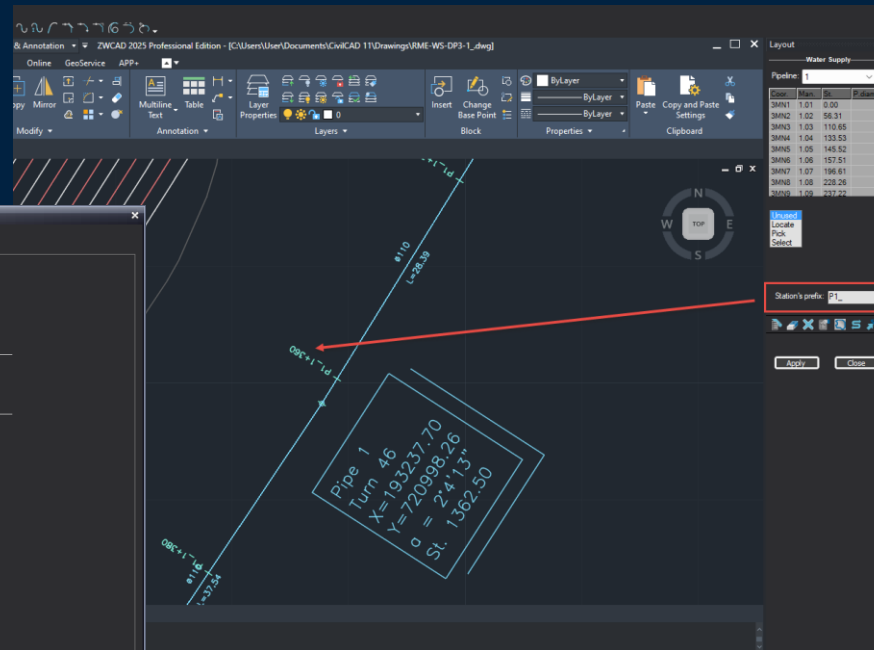
Display turn data:

Name coordinate X

Turn coordinate Y

Angle Station

OK Cancel



Water Supply

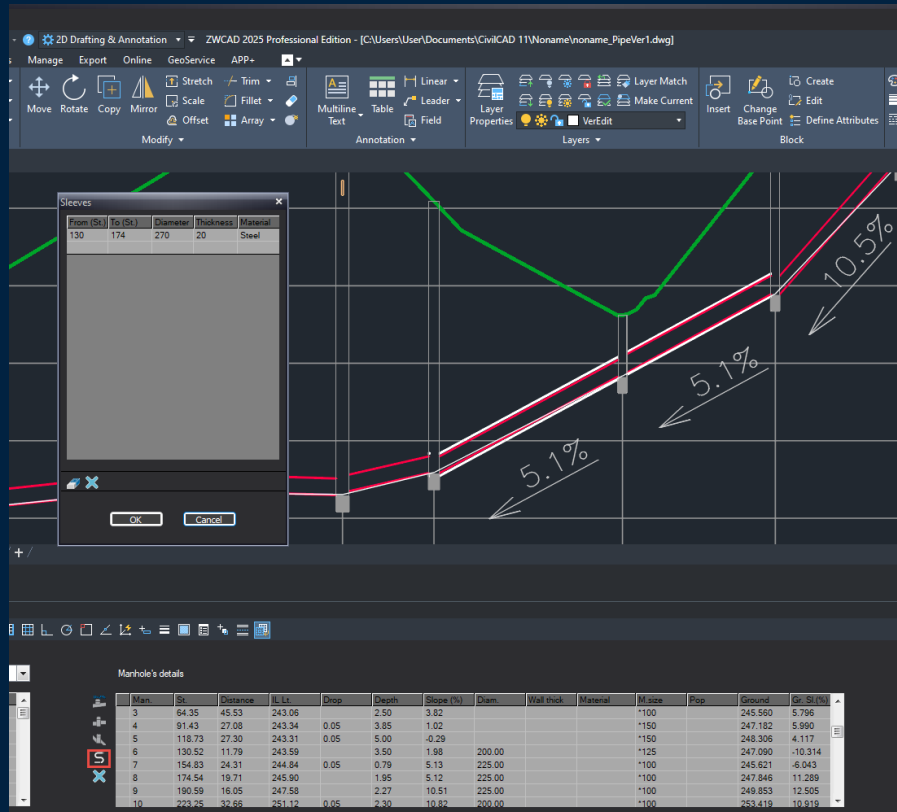
Dist	Max	St	Prefix
SMN1	1.01	0.00	
SMN2	1.02	58.31	
SMN3	1.03	110.65	
SMN4	1.04	133.53	
SMN5	1.05	145.92	
SMN6	1.06	157.51	
SMN7	1.07	166.61	
SMN8	1.08	223.26	
SMN9	1.09	213.21	



Adding Sleeves to Gravity Lines

In CivilCAD 11, it is possible to add "sleeves" to pipelines' segments, specifying details such as diameter, wall thickness, and material.

The sleeves will be visible in both the section view and the Bill of Materials.



Manhole's details

Man	St.	Distance	IL Lt.	Drop	Depth	Slope (%)	Diam.	Wall thck.	Material	Man size	Pop	Ground	Gr. St.(ft)
3	64.35	45.53	243.06		2.50	3.82				"100		245.980	5.796
4	91.43	27.08	243.34	0.05	3.85	1.02				"150		247.182	5.960
5	118.73	27.30	243.31	0.05	5.00	-0.29				"150		248.306	4.117
6	130.52	11.79	243.59		3.50	1.98	200.00			"125		247.090	-10.314
7	154.83	24.31	244.84	0.05	0.79	5.13	225.00			"100		245.621	-6.043
8	174.54	19.71	245.90		1.95	5.12	225.00			"100		247.846	11.289
9	190.59	16.05	247.58		2.27	10.51	225.00			"100		248.853	12.505
10	223.75	32.66	251.12	0.05	7.30	10.82	200.00			"100		253.419	10.919



And More...

In the new version, there are many general improvements that are "transparent to the user", which make using the software more convenient and efficient.



Reducing unnecessary user messages, targeting the messages to the user



Improving file recovery mechanism (projects)



Up to 60% speed improvement in software performance



Contact Us:



sales@sivandesign.com



+972-9-777-8100



+972-52-259-8081



www.sivandesign.com