

# Release Notes for CivilCAD 11.1 - What's New?

Sivan Design is proud to introduce CivilCAD 11.1, a new release that delivers significant enhancements aimed at improving user experience, design efficiency, and overall output quality. In addition, the software now provides compatibility with the latest versions of the leading CAD platforms, AutoCAD and ZWCAD

## Key Enhancements:

### 1. Updated Platform Support

The new version supports **AutoCAD 2026 and ZWCAD 2026**, ensuring full compatibility with the latest CAD working environments. As in previous releases, backward compatibility is maintained, with support for AutoCAD versions starting from 2019 and ZWCAD versions starting from 2020.

### 2. MDI Working Mode

Starting with this version, users can work simultaneously with multiple DWG files within the same CAD environment. Drawings are opened using the standard tabbed interface provided by the host CAD application (MDI mode).

Please note that CivilCAD operations apply only to the first active tab.

### 3. Sheet Management Module Enhancements

Advanced capabilities have been added to the sheet division and layout management system, including:

- Support for combining multiple sheet sizes within a single drawing.
- Improved and more detailed layer management for sheets.
- Ability to manage and edit sheets directly from the Workspace.
- Enhanced creation of sheets that combine road longitudinal profiles with plan views, either adjacent or separate.
- Option to generate cross section sheets directly as DWG files instead of DXF.
- Additional sheet creation options that combine pipeline sections with plan views, either adjacent or separate.
- Ability to adjust the position of an individual sheet within a sheet group and regenerate it, applicable to both general sheets and combined plan-and-section sheets.
- Ability to control the placement of the north arrow.



## 4. Labeling System Enhancements

A major upgrade has been implemented in the pipe labeling system, including Labels and Texts, featuring:

- Independent and full control over the size of each label set, including IL, TL, H, lengths, diameters, chainage markers along pressure lines, and informational labels for manholes and vertexes. Text positions are dynamically updated according to size changes.
- Support for displaying general information labels as dynamic MLeaders, with arrows that move together with the annotation box, applicable to both gravity and pressure pipelines. Labels can be aligned to North or to the pipeline, and their content and style can be customized as required. Users can manually reposition labels, and these positions are preserved even after applying design updates.
- For pressure pipelines, added control over stations' text orientation and the option to add prefixes to chainage numbering.

## 5. Enhanced Layer Management

Pipeline layouts now feature an advanced separation of display and data into multiple dedicated layers, improving drawing organization, accessibility, and overall control of project information.

## 6. Crossing Detection

The pipeline crossing detection mechanism has been significantly enhanced, including automatic crossing updates, detection of crossings between pipelines created within the software, and marking of crossings in the plan view with associated crossing data.

An additional option has been introduced to control the depth display of crossing lines displayed annotations in the plan view.



## 7. Pipeline Section Design

For pipeline sections, coordination between graphical design and tabular data has been substantially improved.

In addition, users can now control how design changes are applied, choosing between maintaining constant slopes with automatic updates to IL values, or maintaining constant IL values with slope adjustments applied accordingly.

## 8. Sleeves

Support has been added for inserting sleeves along pipelines, applicable to both pressure and gravity systems.

## 9. Road Cross Sections

Improvements have been made to the sections' side closures calculation mechanism in road cross sections – to the left and to the right.

## 10. Earthworks

Accuracy improvements have been implemented for earthworks calculations using the Accurate Method and the Grid Method; Control over the density of the displayed grid has been separated from the control over the density of internal grid. For example, earthworks results can be displayed using a 10 by 10 grid, while the internal calculation grid used for computation is set to 0.1 by 0.1.

