

Release notes – CivilCAD 10.3

June 2022

Dear user!

Here's a release note of the improvements made in version CivilCAD 10.3.

In the table below, under the heading 'Bug', you will find a description of the bugs collected from users during the use of the software and fixed by the development team of CivilCAD. Under the heading 'Wishlist' you will find the various improvements and features that have been added to the software in order to give you a better user experience.

The most notable improvements in this version are:

- Moving to work in a full CAD environment on pipelines sections (No. 15)
- Moving to work in CAD Standard base on the American standard basis. (No. 53)
- Support for AutoCAD 2023, ZWCAD 2023. (No. 52)
- Windows 11 support. (No. 12)
- Improving the division mechanism into sheets for both the drawing and the cross sections.

No.	Type	Category	Sub-category	Description
1	Bugs	Pipelines	Sections	Misplaced crossings appearance in some use cases were resolved
2	Bug	General		In many cases when using AutoCAD 2021 or AutoCAD 2022, when opening a project for the first time, the DWG does not open.
3	Bug	Design	coordinates	In the design coordinates window, when trying to get the elevation/height for a block of coordinate (compute height to current line/block) which falls inside a road, the function does not return the elevation/height (note: the problem occurs only on blocks of points, not on a single point).
4	Bug	Roads	Vertical Alignment	In the vertical alignment 1. The Apply -> Apply function should work much faster. 2. The intersection flags are not shown
5	Bug	Pipelines	Sections	Long axis of 9 km, after doing SECTION water line shortens to 3 km, there is a problem of limitation of the pipeline's vertexes in the grid
6	Bug	General	Frames Maker	Some frames legend (mini map) falls inside the frame
7	Wishlist	File	Save as CivilCAD 2016 format	When saving a project of 10.2 in CivilCAD 2016, the user should be able to save the associated DWG files (Main DWG + V. Alignments) in former DWG formats
8	Bug	Pipelines	Layout	After clicking Apply all manholes numbers change to -1.
9	Bug	Pipelines	Section	No data saved at Manholes size table
10	Bug	Pipelines	Section	Slopes precision doesn't work
11	Bug	Design	Coordinates	H+ doesn't work

12	Wishlist	Windows 11		Generate software compatibility with windows 11
13	Bug	Pipelines	Layout	After adding a pipe and clicking Apply all the pipes disappear in DWG
14	Bug	Roads	Vertical Alignment	While working on gas pipelines the dwg file size increases and becomes too heavy to work with, client has to close the software and open it again.
15	Bug	Roads	Visibility	Function doesn't work + window doesn't open in full size.
16	Bug	Topography	Codes	Code section is empty after the transformation from old ver. to new ver. there is no possibility to work in project without replacing the .pr1 inside the project folder
17	Wishlist	Print		When you press Print in the software, a window should open that allows you to select a printer type
18	Bug	Pipelines	Sections	In water supply, each station multiplies several times after saving, pipeline 11km (might be related)
19	Bug	Topography/Design	Coordinates	Save as deletes existing coordinates
20	Bug	Topography	Coordinates	When running the command on block, a text "Adding heights..." remains in the Status lower bar, even when the operation finishes
21	Bug	Roads	Horizontal Alignment	When pressing Apply + OK, a text "Building drawing..." remains in the Status lower bar, even when the operation finishes
22	Wishlist	Pipelines	Sections	In "Pipes sections mode - Drawing environment interface" - The Pipelines -> Sections should be opened as a separated window with a new ACAD Object Instance (to consider - upon exit from the window, the ACAD instance remains and is in hide)
23	Wishlist	Pipelines	Sections	The window should be resizable - the right side and lower tables, should always be fully visible (as much as possible)

24	Wishlist	File	Configurations	<p>The "Vertical alignment mode - Drawing environment interface" should be removed! In addition, the following is affected -</p> <ol style="list-style-type: none"> 1. Need to clean all irrelevant textbox, select box and other objects from the v. alignment window (View -> From/To, Lower right table "Unused, Pick" + Parameters. 2. Setup completion wizard, to remove this selection step.
25	Bug	Pipelines	Reports	Program crashes when using Quantities and hitting apply
26	Bug	Pipelines	Reports	I.L. not shown at the report, shows 0.00 instead of real I.L.
27	Wishlist	File	Configurations	<p>In the Drawing environment, under Drawing options, the option to shift between Blocks mode and Standard Mode should be removed. The implication of removal of this option should be fixed along the entire software - at each part (topography coordinates, Topography contours etc.), the specific option should apply (Block or Standard).</p> <p>Important - to also remove from the Wizard!</p>
28	Wishlist	File	Configurations	In the Drawing environment, under Drawing options, The Purge all when... option should be removed
29	Bug	Pipelines	Sections	In the Section, the View should show Height & Length and the From & To, should be removed (the interface should look like the one in Roads -> V. Alignment
30	Bug	design	coordinates	In design coordinates after reaching 32,000 cords move won't work.
31	Bug	Roads	Horizontal Alignment	When using the "outside layout" option, section titles are not displayed.
32	Bug	Roads	Cross Sections	Dialog "Structure layers". Table "Materials", column "Thickness". If pressing "Enter" in this column the application freezes.
33	Wishlist	Pipelines	Sections	<ol style="list-style-type: none"> 1. To remove the option "Trim section's edge below..." from Water-supply. 2. To add an option "Force writing all data on drawing" for Water-supply, Drainage and Sewage. Note that this "Force" should work on both the drawing environment and "DXF out" button.

34	Bug	General	Layers settings	<p>The "Layers control" button should be changed to "Layers settings" as follows -</p> <p>The "Layers control" button should be changed to "Layers settings" as follows -</p> <ol style="list-style-type: none"> 1. The current "Layers control" window should be removed. 2. The "Styles" column should be removed. 3. The current window should appear under a Tab "General". 4. A new Tab should be added "Pipelines sections". The Tab should include the "Pipelines sections" CivilCAD set of layers. 5. "Ground" should change to "Existing_G.L", "Ground2" should change to "Design_G.L". THE SAME SHOULD CHANGE IN THE COMBOBOX NAMES (at the window). 6. Note: The software should ALWAYS use Existing G.L to show Existing G.L data, and Design G.L to show Design G.L data. 7. The user can then apply the same functionality that he can apply on the "General", to this tab (load from text file, save to text file, edit...)
35	Bug	Topography	Coordinates	<p>Saving text file -</p> <ol style="list-style-type: none"> 1. "All files" should be removed. 2. Add .txt type to save the file as original (the same as .tco) 3. Ensure to apply on topo. and design.
36	Bug	Pipelines	Sections	<p>When dialog of Section in state "Minimizes" and select menu "Pipelines->Section" must restore windows display</p>
37	Bug	Pipelines	Sections	<p>When leaving cell in pipelines > Sections (in the data grid), the slopes is recalculated in a wrong way. The solution should be:</p> <ol style="list-style-type: none"> 1. All data - distances, stations, I.L., etc., should be shown in the grid with 2 digits after the decimal point. 2. The "actual data" should be managed in the memory using double variants.

38	Bug	General		Sometimes, when opening the software, it is opened without AutoCAD (was noticed on my computer while using Civil3D 2022)
39	Bug	Earthworks	General	DWG earthworks table crashes software, also export .csv crashes program.
40	Bug	Pipelines	Sections	Attempt to enter the sections causes the software to crash
41	Bug	Pipelines	Sections	In some project, sections are not showing and when you go back to the Layout, the data disappear!
42	Bug	Topography	Contours	In the elevation lines of an existing mode, in MINR2 layer, the elevation value does not appear
43	Bug	General		The names of the layers messed up - the software places the data not in their layers and transfers data between road layers (data of road 1 appears in the layers of road 2, etc.)
44	Wishlist	Setup completion wizard		A. Remove Step 4 - It is no longer required. B. In step 5, when switching to Feet, two steps later the Distance still appears as m (although varies to 100 but appears as m). C. Remove step 8 and remove the stand-alone option from File -> Configuration.
45	Wishlist	General		The option for ZWCAD Civil should be removed. We only support CivilCADz which will be installed in the regular CivilCAD folder. Also, in the setup wizard there will be no selection. The only change will occur based on the License. Other considerations - Application caption, Splash, About. Ect.
46	Bug	Design	Coordinates	While creating to produce elevation lines an error message is received. A) Relevant error message should be displayed. B) The title of the error message should be corrected to CivilCAD 10.3 C) Need to find out why in the attached project there is no creation of elevation lines
47	Bug	General		If the project has been deleted or moved from its place and when we open it from recent files, we need to display the message "This project does not exist"

48	Bug	General		When we open a project, AutoCAD displays the message "Save changes to...". It must be removed.
49	Bug	Roads	Horizontal alignment	when creating a new road, the radius box (IP) is not available.
50	Bug	Roads	Cross Sections	If apply is pressed many times, it adds a cumulative value of 0.0001 m each iteration and this changes the height value. 2. If the road has many sections (730). It's not the length of the road that matters, but the number of sections. Each height update when you click Apply takes 40 seconds.
51	Bug	Roads	Cross Sections	If you delete data from the "Changing SideSlopes" table, then the grid will not be displayed.
52	Wishlist	General		Support for AutoCAD 2023, ZWCAD 2023
53	Wishlist	General	CAD Standard	<ol style="list-style-type: none"> 1. To change the prototype to CAD Standard (layer names, line types, colors). 1. To change the prototype to CAD Standard (layer names, line types, colors). 2. To change the Layers control TXT. 3. To ensure that in the new CAD Standard, the paper size is A0 (by default). 4. To ensure that the frame + frames crosses has grey/black colors. 5. To ensure that there are colors to the cross sections in sheets division. 6. To change the lower left template in the frames division to show what required to be entered. 7. The frames layers (farme, frameborder and framecrosses) layers names should be taken from the Layer control TXT (Today it is probably hardcoded Pframe, Pframeborder, Pframecrosses). 8. To ensure that hte Sheets legend layer's color is "By layer". 9. To remove / change the names of layers according to the Excel in the attachment (on the right). 10. To remove the layer "Pipelines" from the layers control.