



RELEASE NOTES DEVOTECH iDAS 2027.0

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Devotech iDAS 2027.0
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SUPPORTED CIVIL 3D VERSIONS

Autodesk Civil 3D 2025-2027.

OLD DRAWINGS COMPATIBILITY

Drawings from the previous iDAS 2026.0 are fully compatible with the iDAS 2027.0.

COMMAND BUG FIXES

General

Various crashes related to null parts lists

Sometimes Civil 3D would corrupt drawings and remove all parts list from networks. This would result in various commands crashing. A check for these invalid parts lists has been added and the default parts list will be assigned if this situation arises.

Surfaces in blocks displaying in multiple commands

If a surface is contained in a block it would display in multiple command dialogs as a valid surface choice. This has been fixed, and now surfaces inside blocks are excluded from the dialogs. The following commands were affected: storm water wizard, sewer wizard, water reticulation wizard, bulk water wizard, insert structure in profile view, regrade network and set inverts.

Null structures cause various commands to crash

If a null structure was present in the drawing, then some commands would crash sometimes. The issue has been identified and fixed.

Various high DPI scaling issues

Multiple scaling issues with high DPI screens were identified and rectified. This mostly affected the Pipe Manager / Manage and Analyze command's ribbon interface.

Invalid license dialog displayed when Civil 3D starts due to Vault conflict

When opening Civil 3D a dialog would display indicating that some components that iDAS utilizes were not licensed. This happened when Vault was installed alongside iDAS. The way Vault is loaded conflicted with how iDAS is loaded, and caused the license error dialog to appear. This has been fixed, and the license dialog will no longer be shown.

Vacuum Lift

Error message shown repeatedly

If invalid geometry was calculated an error message box could be repeatedly shown. This has been fixed and the error message is now shown in the bottom left of the dialog.

Zoom to Alignment Command / Zoom from Profile View Command

Unhandled exception error is shown sometimes

Sometimes an Unhandled exception error would be displayed when using the command. This has now been fixed and the command functions as intended.

Catchment Delineation Command / Catchment Delineation Command

Ignored surface boundaries

If a surface had an outer boundary assigned to it, then that boundary would be ignored when running the analysis. This was as a result of a bug in the Civil 3D API, and a work-around has been implemented, that will now more accurately determine the surface boundary when executing the analysis.

Longest paths generated accumulatively

When generating the longest flow paths for multiple, the longest paths would become duplicated. This has been resolved, and duplicate flow paths will no longer occur.

Analysis runs even if no options are selected

Even if the user did not select any data to be created from the catchment delineation analysis, the analysis would still run. This was unnecessary, and now a message will display informing the user that nothing was selected.

New layers not sorted alphabetically

If a new layer was created under the **Polyline Creation and Layer Options** section, then the layer would be added to the bottom of the drop-down lists. This has been fixed, and now the layer will be added in alphabetical order.

Certain cell sizes do not analyze

Depending on the project, certain cell sizes would cause an error to be shown and the analysis terminated. This has been fixed, and now any cell size should result in a valid analysis.

Entities get deleted even though they are not being recreated

If the check box to delete entities on a layer was checked but the check box to create entities was unchecked, then the entities would still be deleted. This is fixed, and now only entities that are on a layer that is marked for creation and deletion will be deleted before being recreated.

Clean Up Command / Draw Parts Command

Structures not added to profile view

Sometimes this command would not add structure to profile views if the crossing services option was used. This is now fixed.

Corridor Wizard Command / Wizard Command

Missing layers

Layers with special symbols in their names would be missing from the layer filter. This has now been fixed and all layers are now listed.

Missing surface option for profile view bands

For some bands in the profile view bands section, the options to assign a surface profile would be missing. This has been fixed, and now all profile view bands can have a surface profile assigned.

T-Intersection Wizard Command / T-Wizard Command

Missing main road image

The main road image was missing. This has now been fixed.

General Plan Wizard Command / General Plan Wizard Command

Fails to create sheets for alignment with custom start stations

If an alignment has a start station of anything except zero, then the sheets fail to be created. This has been fixed, and any start station can be used for any alignment.

Import EPANET INP Command / EPANET Command

Editing multiple cells not working

In the tables, editing multiple cells at once was not working. This has been fixed, and now all selected rows can be edited at the same time.

Storm Water Wizard Command/ Sewer Wizard Command / Gravity System Command

Disconnected fixed height structures

If fixed height structures are created, then they remain disconnected from pipes. This has been fixed, and now all pipes and structures will be connected.

Labels are created on the current layer instead of the object layer

Pipe and structure labels were created on the current active layer instead of the object layer as defined by the Civil 3D settings. This has been fixed, and the Civil 3D settings label layers will now be used.

Disconnected fixed height structures

If fixed height structures are created, then they remain disconnected from pipes. This has been fixed, and now all pipes and structures will be connected.

OK button disabled if reference surface is not selected

If a reference surface was set to <None>, then the OK button remained disabled. This has been fixed, so that the reference surface is optional.

The parts list is not updated to match the network's parts list

When selecting an existing network, the parts list was not updated to match the parts list associated with the network. This has been fixed.

Some drawing templates cause the dialog to never show

In drawings created from certain templated the dialog would never be displayed after running the command, and the user would have to forcefully terminate Civil 3D. This has been fix.

Water Reticulation Wizard Command / Reticulation System Command

Some drawing templates cause the dialog to never show

In drawings created from certain templated the dialog would never be displayed after running the command, and the user would have to forcefully terminate Civil 3D. This has been fix.

Export Pipe Branch Command / Export Branch Command

Incorrect elevations exported

Elevations would be exported incorrectly. All the elevations would be shifted down one row. This has now been fixed.

Swap Parts Command / Swap Parts Command

Keep part data after swapping prevents some structures from being swapped

If the option to keep part data after swapping was checked and a part size parameter was defined by a list, then swapping to a different part size in the same part family would fail. This has been fixed, and all structures will swap correctly.

Move Structure Command / Move Command

Error displayed if a UCS is set

If a UCS was set then an error, indicating that the location is not correct, would be displayed. This has been fixed, and a UCS can now be set while using the command.

Set Structure Invert Command / Invert Command

Sometimes a fatal error would occur

Sometimes, when switching drawings and then using this command, a fatal error would occur. This has now been fixed.

Divide Pipe Command / Divide Interval Command

Assigning incorrect styles to new pipes

If pipes are divided, that are assigned various part lists with different styles assigned, then a random style would be chosen. This has been fixed, and the same style as the original pipe that is being divided will now be used for the new pipes.

Grade Pipes Command / Grade Branch Command

Error displayed if any structure is not in the profile view

If a structure that forms part of the grading was not visible in the profile view and error would occur. This has now been fixed.

Match Pipe Inverts Command / Match Inverts Command

Supplying a negative slope grades upwards

When supplying a negative slope, the pipe would be graded upwards instead of downwards. This has been fixed.

Find Part Command / Find Part Command

Error when cancelling selection

When selecting a part or network from the model space, if escape was pressed, then an error dialog would be shown. This has now been fixed, and pressing escape will return the dialog to the previous state.

Create Parts Along Route

Crash when blocks contain alignments in the drawing

When blocks contained alignments in the drawing a crash would occur. This has now been fixed and alignments inside of blocks are now excluded from the command.

Match Profile

Crash when blocks contain alignments in the drawing

When blocks contained alignments in the drawing a crash would occur. This has now been fixed and alignments inside of blocks are now excluded from the command.