



Release Notes

MAGNET Office v2026.0

July 2026

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MAGNET Office V2026.0 Release Notes

Rebranding to MAGNET

We're excited to announce that our Topcon/Sokkia suite of products is returning back to the "MAGNET" name to unify our solutions and continue with the widely accepted products.

As part of this change, version numbers will now follow a year-based format (eg: MAGNET Office 2026.0), making it easier to identify the latest release.

Introduction

The following new additions/revisions have been made to MAGNET Office v2026.0.

Please take time to read the release notes. They contain information about the following:

- New Features and Improvements
- Fixes
- Defects

Information

System Requirements:

Operating System

Microsoft Windows 11 (64-bit version)

Microsoft Windows 10 (64-bit version)

CPU: 64-bit quad-core processor with AVX support

RAM: 2GB RAM or more recommended

Memory: Local hard drive space of 2GB or higher recommended

Computer Resolution: 1280x1024 display resolution

Internet Connectivity: Required for online activation and by some functionality

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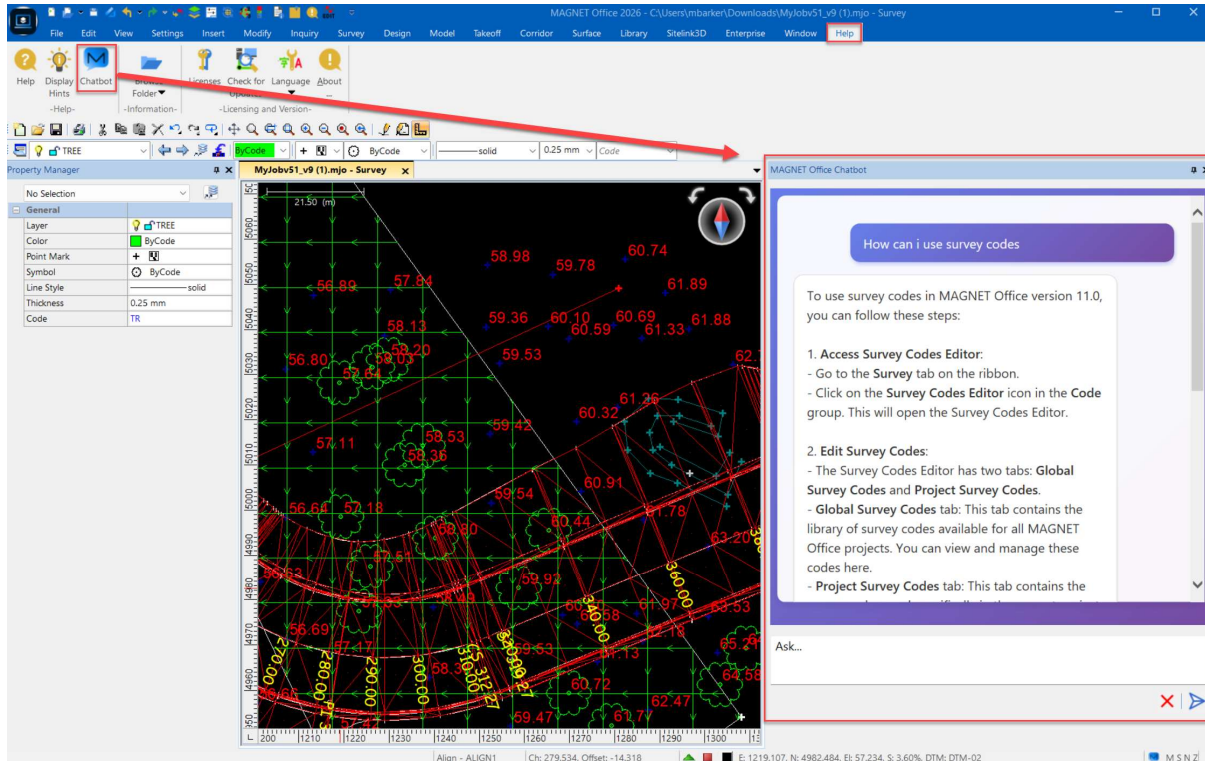
New Features and Improvements

AI Chatbot

Help> Chatbot

We have introduced an AI-powered chatbot to provide immediate, context-aware assistance within the application. This feature enables users to access quick answers, guidance, and troubleshooting support, reducing wait times and improving overall efficiency.

The text displayed in the chatbot can be resized by making the panel active and CTRL+scroll in/out.



Twist Screen

Twist screen icon located on the top right corner of Survey view

This feature allows the user to twist the screen orientation so that North is no longer the top of the screen. This does modify coordinate transformations or rotation and is simply used for display purpose.



When hovering over the Twist screen icon, the cursor will change shape.

- Double click icon to reset back to 0.
- Left and right arrows click (5° increments) or hold to twist left/right
- Right click Twist icon for more settings:
 - Set as Bearing ... (displays the current bearing in brackets) - allows to set the twist rotation by a nominated value, by data input, picking 2 points or a line.
 - Set by – presets to set to predetermined bearing
 - Reset – back to zero so North is up the screen.

When printing direct from survey with a Twist bearing set, it will be printed in with the Twist applied icon displayed on the print.

Search

Context menu (Right Click)> Search



When not running a routine, the top of the right click will display a Search bar. Enter the name of the option to find and run. This Search is based on the Command Alias and may be customised under Settings> (Customization)> Command Alias.

The Command Alias has also been further improved to support searches in-word not just alphabetically/start of word. Eg: Typing “intersection” will find “brg/dist intersection”.

Spell Check

Modify> Spell Check

Spell check feature added for text entities in a project. This can be used in 2 different ways:

- Automatic Spell Check while inserting/editing text
- Separate option to run spell check for whole job under *Modify> Spell Check*
- Available in Survey and Drawing view



- All words picked up with the spell check will display with a red dash line under the text.
- When editing a text entity, spelling suggestions are available by right clicking on the underlined text to see the context menu
- Custom dictionary available to add custom words
- Ignore and Ignore All option to intentionally ignore words temporarily during the routine session
- Spell Check settings include options to ignore certain word types

General

- Optimised speed when multiple background images are present
- Added option to Clear current set alignment for offset distance display (near hot button)

Projections and Geoids

- Coordinate System Maroc for Morocco Lambert zones
- Implementation of National Spatial Reference System (NSRS2022) and State Plane Coordinate System (SPCS2022)
- Addition of Minnesota (MN) Transverse Mercator 96 projections
- Addition of Australian Geoid files by state
- Added London Survey Grid 2025 projection
- Added new projections Norway-EUREF89 and geoids href 2018 and href2025

Import/Export

Import Revit

Surface > IFC > Import Model

Support for Import .RVT Autodesk Revit model data as 3D Model objects.

Import Trimble code library FXL

Survey > Codes > Global Survey Codes (tab) > Import

Support Import Survey Code library from Trimble FXL file

Support import of XML from Australia's NSW Registry Office

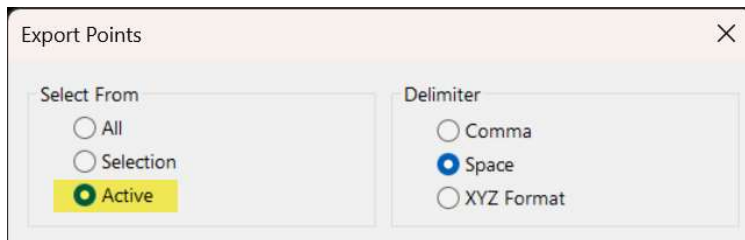
File > Import > LandXML

- Observations are imported as linework
- Monument group attributes are imported as point attributes

Export ASCII to export Active data

File > Export > Customizable ASCII Point File

Added radio button to export Active points in the job

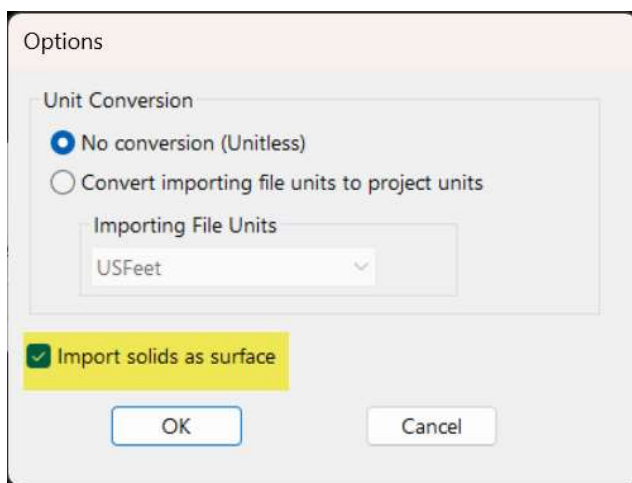


Support solids as Surface from DWG

File > Import > AutoCAD Drawing DWG

Added new checkbox to Import Solids as Surface.

- If ON, Solids will import as a DTM
- If OFF, Solids will import as linework



Export DWG/DXF Improvements

File> Export> AutoCAD DWG/DXF

Updated to support LW Polyline for 2D polylines

File> Export

Export AutoCAD DXF 2010 version format added

View Menu

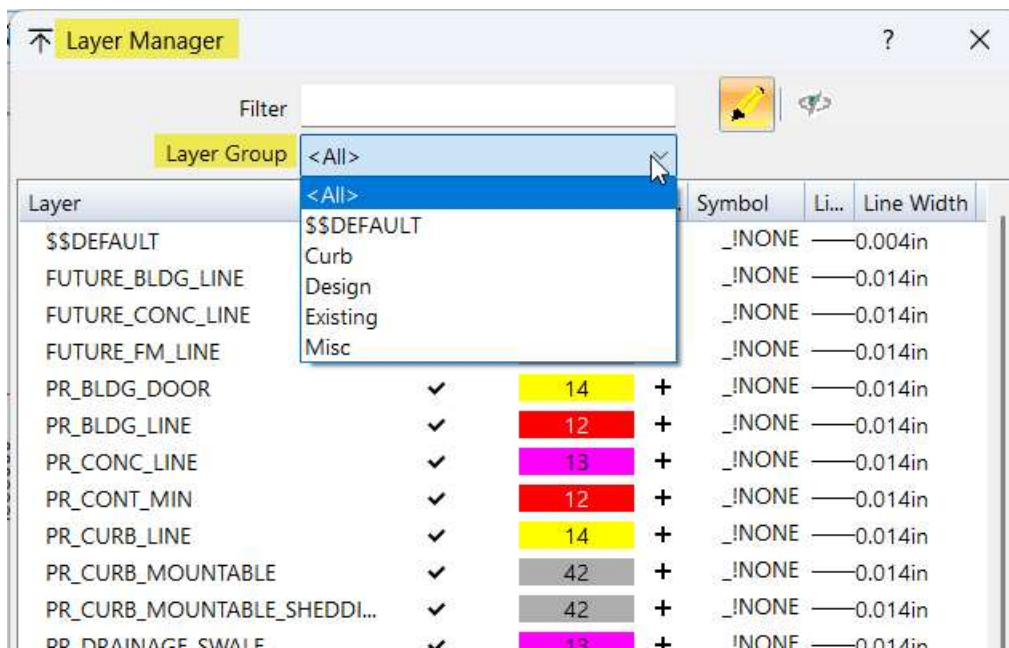
Layer Manager

View> Layer Manager

Added Layer group filter

The Layer Manager to lists all the layers in the job, we have added a setting to list only the layers based on Layer Group. This will allow users to better manage their layers and only need to view the layer names they wish to focus on.

New dropdown menu available to allow users to pick the Layer Group (default is <All>). When a Layer Group is selected, only the layers in that groups are displayed in the Layer Manager. Other layers may still be active and used, but they are just not displayed in the Layer list.



Merge Layers

Improved Merge dialog to display a longer dropdown list

WMS Improvements

View> (Maps)> Map Settings

Map Settings improvement

Maps settings have combined Bing Maps and WMS settings into a single dialog. Bing Maps and WMS have remained as toggles to quickly turn on/off the map.

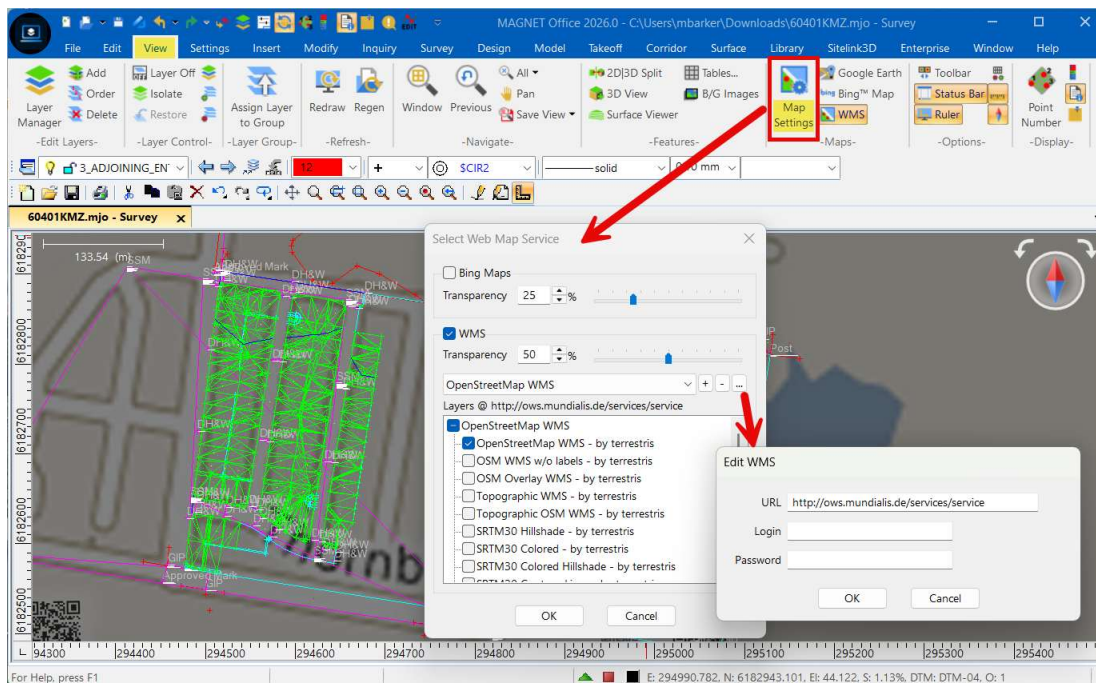
Note: Only one map can be displayed at one time.

Visual indicator

When a web map is loading the background toggle next to the hot button will flash the map icon.

Library storage

WMS Map configuration is now held with the program. All WMS settings added can be accessed from any other new or existing job.



Import/Export

The current WMS setting used in the job will also be included in the Export.

Settings Menu

Save/Load Program Settings

Settings> Program Settings

Updated Save/Load to support all relevant settings to the Default.ini file

Display Settings (Hot button)

Settings> Display Settings

Added option to Save settings as default. This will save the current Hot button setting to default which will be used for subsequent jobs that are created. It will not affect existing job setting.

Settings> Display Settings

Point Cloud size setting added for Normal/Large (Survey view only)

Insert Menu

Context Menu

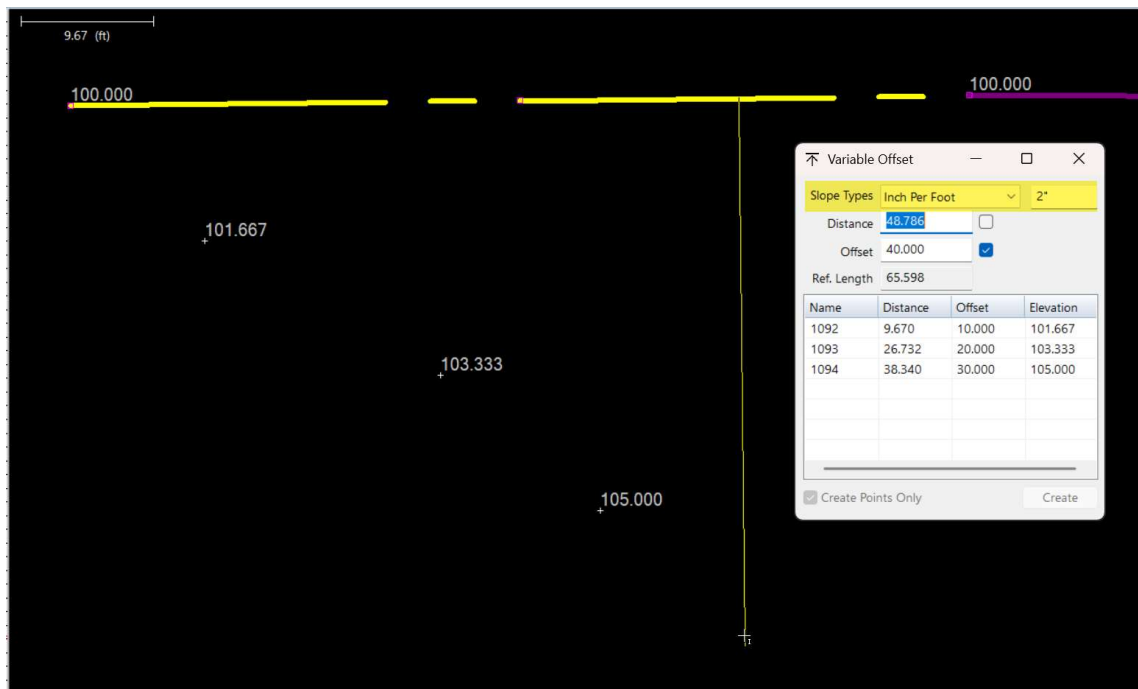
Insert> Line> Right click

Moved Undo option down the list with Reset and Cancel group

Variable Offset string

Insert> String> Variable Offset

Add new Slope setting "Inch per Foot" and "mm per metre".



Press "b" for "Back"

Insert linework (such as Insert> String)

Updated to allow user to press "b" key to "Back" the previous segment. This is the same functionality as the existing right click> Back, but a quicker way to execute when your hands are already on the keyboard entering values.

Modify Menu

Intersect Strings or Polylines

Strings > Intersect

Added "Use" button to quickly populate from calculated elevations

Extend All and Trim All

Modify > Extend all/Trim all

Updated to support polylines (linework without points)

Survey Menu

ADAC upgrades

Survey > ADAC

- When selecting a feature, highlight and pan to the object to the center of the screen.
- Report feature added that will list features in a table format

Design Menu

ePlan

Design > Subdivision > Create/Edit Eplan

Updated for latest schema update including Misclose accuracy.

Takeoff menu

Takeoff report

TakeOff > Takeoff Reports

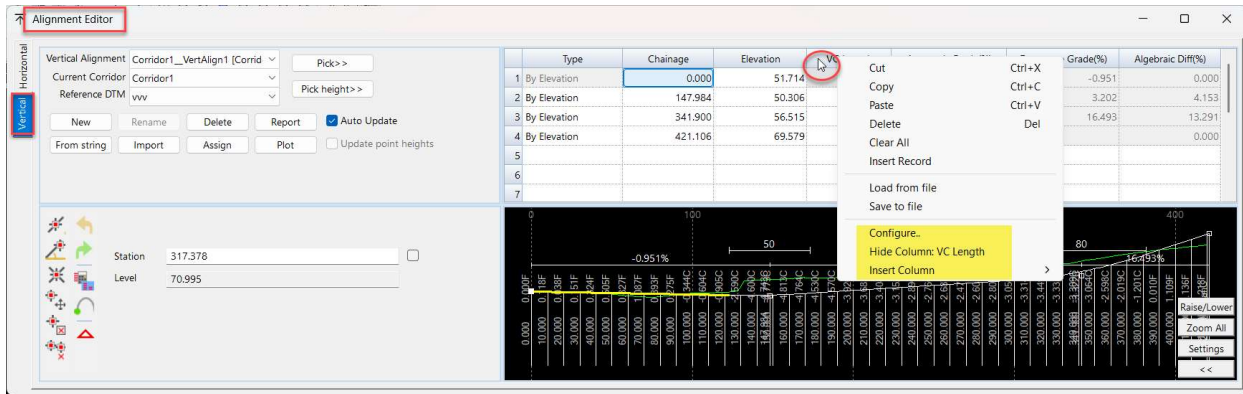
Curb & Gutter material now reports both length and volumes. Report updated to displaying the material if the cost was not used.

Corridor

Configuration of Corridor panel vertical alignment grid

Corridor > Alignment Editor > Vertical tab

Improved table to allow configuration of columns (Right click column header > Configure/hide/Insert).



Surface Menu

Drape object improvement

Surface > Elevate > Drape object

Updated to support Point Cloud (previously extracted elevations from DTM only)

Convert Contour to String or Polyline

Surface > DTM Tools > Convert Contour to String

Updated to support creation of String or Polyline

Create Enclosing Boundary

Surface > Boundary > Create Enclosing

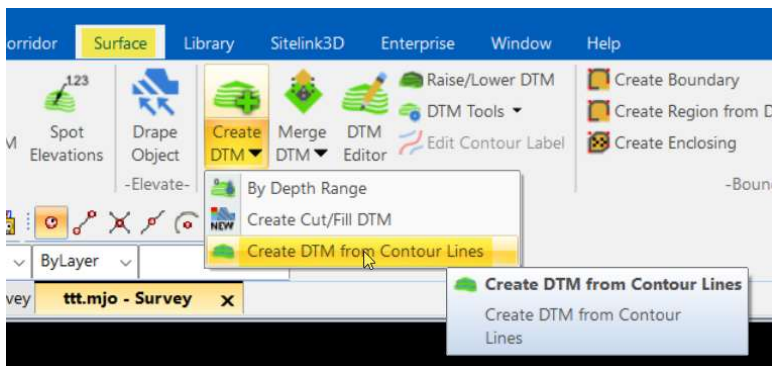
Updated to display the boundary properties after boundary creation.

Create DTM from Contour lines

Surface > Create DTM > Create DTM from Contour lines

Options to create DTM from Polylines representing contours, while retaining the polyline contour geometry as much as possible. This assists in better representation of contours after importing PDF vectors.

This routine is specifically designed to create a DTM from Import polylines representing a contours. This may be data import from PDF or DWG. Editing the resultant DTM and its settings may change the contour shape. For best results, use the same contour interval as the original drawing (PDF/DWG) or set the require interval when creating the DTM.



Overwrite DTM

Surface > Create DTM

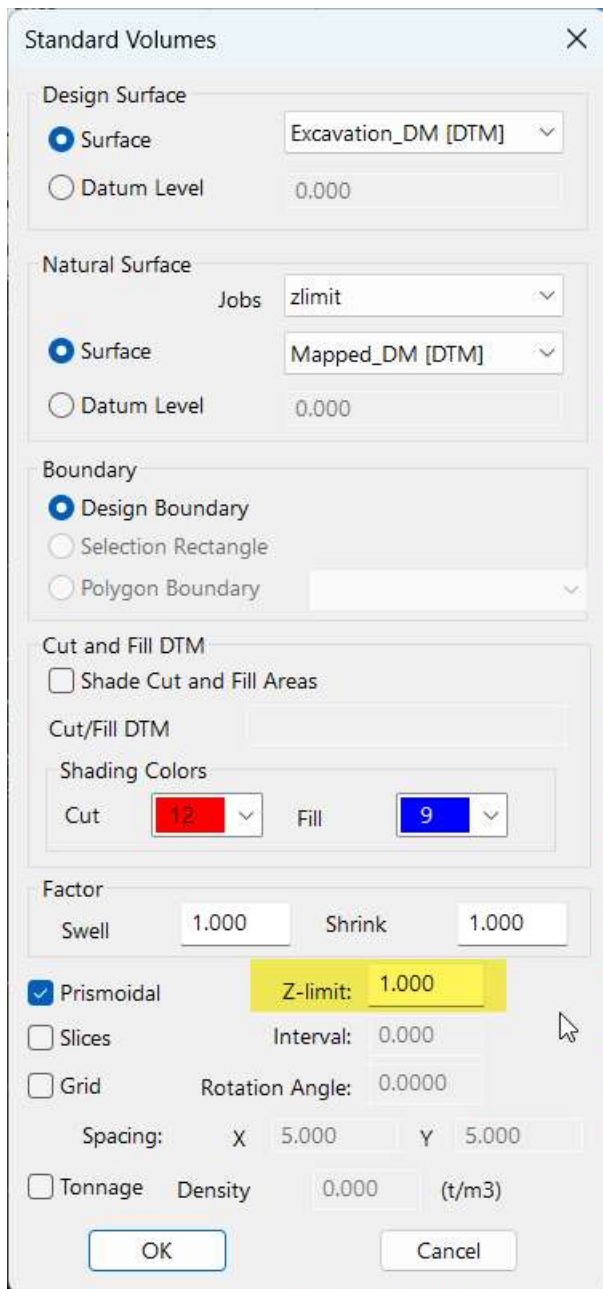
Allow overwriting existing DTM by name (warning displayed)

Z-Limit for Volumes

Surface > Compute Volumes

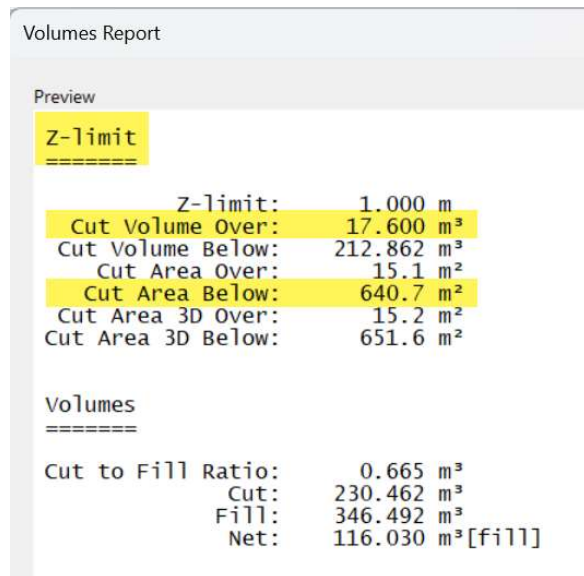
Added new "Z-Limit" setting to compute volumes and/or areas based on the vertical (Z Limit) Cut.

This Z-Limit value is the depth of which the volume computation will consider for an Area calculation, any depth beyond this value will be computed as a volume.



The 'Standard Volumes' dialog box is shown with the following settings:

- Design Surface:** Surface (selected), Excavation_DM [DTM]
- Natural Surface:** Jobs: zlimit, Surface (selected), Mapped_DM [DTM]
- Boundary:** Design Boundary (selected)
- Cut and Fill DTM:** Shade Cut and Fill Areas (unchecked)
- Cut/Fill DTM:** Shading Colors: Cut (12, red), Fill (9, blue)
- Factor:** Swell (1.000), Shrink (1.000)
- Prismoidal:** (checked), Z-limit: 1.000
- Slices:** (unchecked), Interval: 0.000
- Grid:** (unchecked), Rotation Angle: 0.0000
- Spacing:** X: 5.000, Y: 5.000
- Tonnage:** (unchecked), Density: 0.000 (t/m3)



The 'Volumes Report' preview shows the following data:

Z-limit	
Z-limit:	1.000 m
Cut Volume Over:	17.600 m ³
Cut Volume Below:	212.862 m ³
Cut Area Over:	15.1 m ²
Cut Area Below:	640.7 m ²
Cut Area 3D Over:	15.2 m ²
Cut Area 3D Below:	651.6 m ²

Volumes	
Cut to Fill Ratio:	0.665 m ³
Cut:	230.462 m ³
Fill:	346.492 m ³
Net:	116.030 m ³ [fill]

Point Cloud (Panel)

Surface > Point Cloud

- The Point cloud panel has been updated to include the Point Cloud settings in the panel directly.
- A dropdown menu is also included to allow direct selection of the color setting (Color by Elevation/Classification/Intensity) for the currently selected Point Cloud.
- Color by Classification colours is now displayed in the tree list.

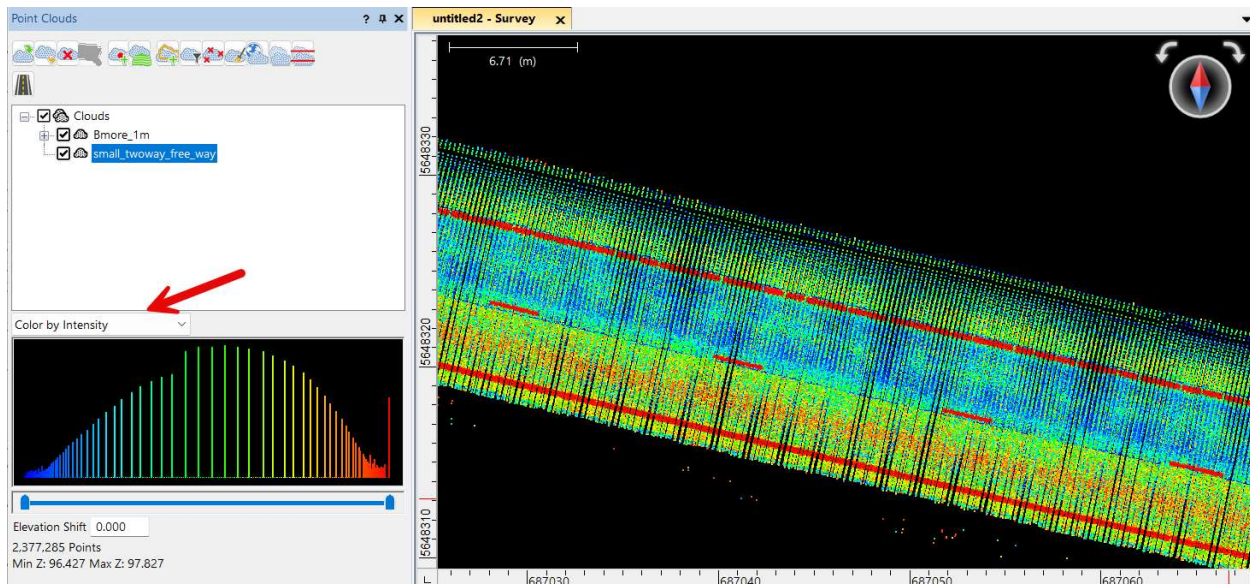
Import Point Cloud, View and adjust based on Intensity

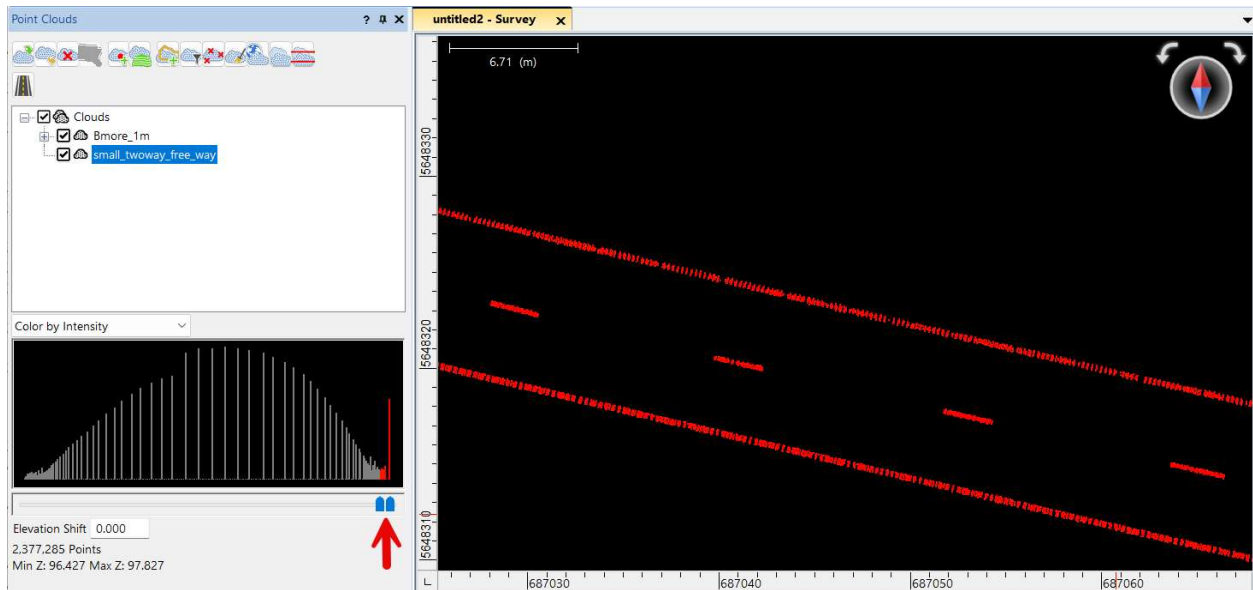
This is useful when wanting to display for example Point Cloud points that have a very high intensity or reflectivity (red) such as road lane markings which would have a greater intensity than asphalt.

Note: Only point cloud data with Intensity properties can import imported with Intensity.

Surface > Point Cloud - Color By Intensity

To display the Point Cloud using different color settings, in the Point Cloud panel select the Point Cloud from the tree list and change the dropdown box to display “Color by Intensity”. Alternatively, right click on the Point cloud from the tree list and turn on “Color by intensity”. This option will only be available if the point cloud holds Intensity settings.



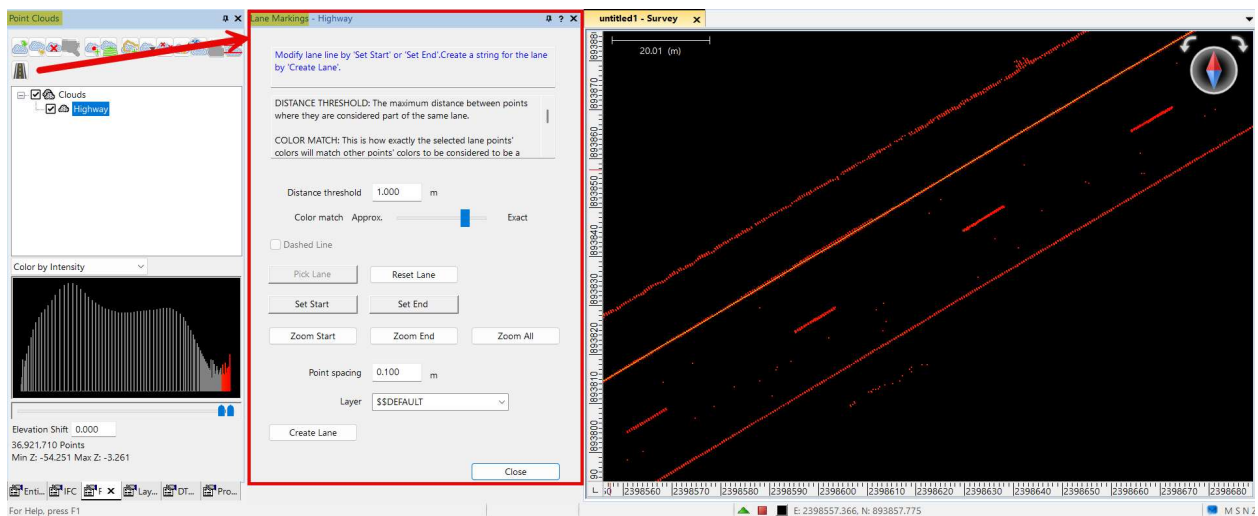


Use the 2 sliders below the histogram to control what range of colours are to be displayed in the view. This is only for display purpose and the point cloud data remains unchanged.

Auto line extraction from Point cloud

Surface > Point Cloud > Lane Markings

Lane Marking Extraction is used to quickly and accurately compute road lane line position and elevations from point cloud. After extracting, the data is converted to elevated strings which can be used for roading calculations such as resheeting/resurfacing.



Note: Lane Markings features work optimally on Point Cloud data imported with Intensity settings.

Library Menu

Linestyle creation improvement

Library> Linestyle

Linestyle creation updated to support more object types polyline/polygon/arc without points

Help

Context Help linkage added for modeless panels

Click the ? (Question mark) icon on the top right of the dialog/Panel to open the context help

Fixes

- Fixed annotations not updating after reducing string points
- Drawing Editor - Legend bar proportion fixed when used in rotated plot window
- Drawing Editor - text in title block was lost
- Drawing Editor - Zoom no longer reset after Copy/Paste
- Drawing Editor - Export PDF fixed to trim at title block
- Drawing Editor – Fixed Modeless panels such as Property manager or Entity manager remaining open when opening Drawing Editor
- File> Import DWG - updated Road data import to ensure long template names are truncated without name duplication
- File> Import DWG improvement with specific data not being supported
- Settings> Project setting> Unit setting> Use Scale factor for Grid/Ground conversion is retained after saving and closing the job.
- Drawing Manager - Export to PDF fixed polygons exporting as black solid
- Custom Colors - fixed manually entering RGB color numbers being restricted to 2 digits
- Modify> Segment - line/arc improved to avoid "Prompt for point properties" more than once
- View> Layer Manager> Merge - Image objects are lost
- Property Manager - SHIFT+TAB
- Property Manager - Use in Surface flag fixed to remain OFF after point elevation adjustment
- Insert> Point> Intersection updated to support pointless linework and polygons
- Modify> Scale - update to read 12 decimal places instead of 5
- Survey> LS transformation report updated based on project decimal place setting.
- ADAC Transport_DrainFlushPoints no longer includes "drain" in XML
- Surface> Compute Volumes - fixed crash when boundary has duplicate vertices.
- Surface> Compute Volumes - fixed issues with boundaries not being used when computing between datum and surface.
- Surface> Compute Volumes - fixed issues with Shrink and Swell factors
- DTM Settings> Color Fill discrepancies in some jobs in Survey view
- DTM Settings> Elevation labels fixed to display opposite colour if same colour set for background.
- IFC updates to fix Isolate/Restore buttons
- Sitelink3D> Design Sets - Increased the limit from 64 to 256 design objects
- Surface> Batch Volumes - Dialog now resizable
- Surface> Point Cloud> Ground filter - fixed number of points reported during filtering
- Quick Access Toolbar - fixed issue with QAT resetting after reinstalling
- Custom Projections - Increase decimal places from 6 to 8
- Model> Raster/Vector> Trace - fixed where some arcs were drawn as chords
- Survey> Field Report note field should wrap text
- View> Bing Maps fixed to support display in multiple jobs open
- Modify> (String)> Densify Points - updated to not create duplicate points when run multiple times on the same string
- Takeoff Manager - Surface Creation - Subgrade v. Subgrade with Over-Excavation fixed

- Text Edit Issues resolved including display of selection, colouring, dynamic display.
- Default properties – Fixed next point number not filling gaps
- Settings> Program setting> Preferences> Reset panels - no longer duplicating panels