



WinEx Grade & WinEx Master Release Notes

VERSION : 6.27

New Features and improvements:

Wall Routine A Side + "X" and B Side + "X" option added! Constant elevation change option added to Wall Routine for either side. Users can now set the elevation of one side and then set the elevation of the second side as a constant change

Connected spots and Walls will now allow the first point entered to be backspaced

Connected Spots can now be broken into multiple lines, have points inserted, have points removed, and non-elevation points can now be elevated

Connected Spots and Wall Routines are undergoing back-end changes in order to make items more editable and flexible for future releases.

Changes in Connected Spots editing planned to be expanded to Wall Routine next release

More error checking on walls to ensure valid wall elevation entries

Auto-Snap now works with the View Options - Most displayed items can be snapped to, displayed items can be changed mid-measurement to control snapping behavior

Auto-Snap now works with the currently selected item type. (Connected spots can snap to connected spots, Walls to Walls etc.)

Auto-Snap now allows snapping to Undefined Items

Do Not Disturb Regions can now toggle Strip Allowed/Not (WinEx Grade)

Do Not Disturb Regions will now default to allowing strip

Vertical Offset function now included in Edit Mode

Horizontal Offset function expanded to single lines - Create areas from single lines

Void Region will now be created only from Regions / Pads displayed on screen and can be used multiple times within a single job

Import Utility now allows import of Length Measurement

Import Utility "Proceed" and "Reset" renamed to be more descriptive. Now reads "Start Import", "Finish Import", and "Change Type"

Importing Regions / Pads from Vector files will now center the screen before prompting for elevation and descriptions

Updated "We detected Vectors" dialog box to give better directions on how to start importing linework

Import Utility "Show Layers" option will now display the number of objects on the layer next to the layer name

Import Utility selecting the item number of an imported item will now ensure at least some of the selected item is on screen when centering to the item

Import Utility now will group multiple selected Length imports into a single item and allow it to be named.

You can now apply an elevation interval to a selected sub-set of imported items by selecting the first item, holding the shift key, selecting the last item, and then selecting Apply Interval

Added Match Point call out when importing a vector file while on an alternate page of PDF

Machine Control Export Dialog boxes now allow new folders to be created

Machine Control export now allows up to 16 digits for Northings and Easting

Added cancel option to Use Alt-Plan dialog box

Export to LandXML now allows use of previously entered Match Points

Improvements to Job recovery when takeoffs and drawing are stored across network

Improvements to Job recovery even if user has not saved the job yet

Expanded job recovery to 5 previous version per takeoff per PDF

Resolution and Display settings of current PDF automatically assumed to be used when selecting multiple pages within a PDF

Added "X" as Keyboard short-cut for Pan / Hand-Move

Added Sum total of Footing Base Volume and Footing Stem volume to final trench report

Edit Mode's Break Contour and Insert Point options are now modes. Once selected they will continue until the option is reselected a second time to turn off or a new item is selected

Edit Mode Length and Area Measurements can now be broken into multiple lines, have points inserted, have points removed, have sub-units added, and have sub-units removed

Various help menu options are now highlightable and can be copied to the clipboard

Better validations for adding and subtracting sub-units of regions and pads. No longer allowed to subtract outside of Region/Pad and no longer allowed to add within a Region/Pad

Added visual differences to subtracted Region/Pad borders

Fixes:

Selecting "Set/Reset Match points" occasionally resulted in crashes

Canceling import of Regions/Pads no longer leaves undefined items

Multi-Phase process will no longer be affected by items hidden with the view options

No longer notifying users about switch to Ribbons UI elements

Report issue where subgrades beyond 10 inches which had decimals were rounded down to the nearest whole inch on the display has been corrected.

Import Utility would incorrectly remembering order of deselected items that where later selected again has been resolved

Canceling Import of Pad left Undefined item

Canceling Planbuilder after selecting a multi-page PDF no longer defaults to first page of PDF

Match Points used during Planbuilder are now persistent on screen until Planbuilder has been finished

Various number entry dialog boxes will no longer skip to last digit after entering a negative sign

Issues with Use Alternate Plan after rotating have been resolved

Help prompt information regarding starting a new job is now persistent after saving a takeoff or rotating

LACS measurements will no longer ignore View Options settings

Vector Files and CAD files with very high precision Radii should no longer slow / crash the import utility

Void Regions cannot be created if takeoff has a Region / Pad with greater than 8,000 Points. New error dialog added and planned improvements in the future

Fixed issue with incorrect item description being displayed while selecting a sub-unit of a Separate-Length entry

Fixed items snapping to hidden objects if hidden after the start of a measurement

VERSION: 6.26

New Features and improvements:

Improvements to help prompts for new users

Trench Routine will now allow direct entry of vertical slopes

Fixes:

Snap Issue – Close to first point occasionally closes to corner point

Snap Issue – Closing to shortest distance instead of first point in other cases

Connected Spots –does not allow elevation entry in certain cases

PDF Conversion issue with certain file names

Region Opacity occasionally gets set to zero for new Regions/Pads

New Strata layers will now automatically default to Usable as Native Fill and Follow Surface

Pop-up elevation callouts for respreads on pads will now properly display

VERSION: 6.24 / 6.25

New Features and improvements:

Import CAD/PDF/DXF will now work while on an alternate plan even if the plan is not the primary plan!

16 New Fill Shading patterns added!

Included Opacity option for Region shading / Fill patterns!

Introducing a new Alternate Plan system to record all match points associated with a drawing! Switching between plans should be even easier. Changing the primary plan should generally no longer be required. Please note changing the primary plan will force the saved Match points to be discarded.

Improved snap feature if takeoff lines coincided, snap feature will now handle overlapping items in a more intuitive manner by deciding which item was snapped to after you have entered a second point.

Import utility now filters unnecessary points for connected spots.

Work has begun on an over-haul to the Multi-Phase entry to make it more accessible and intuitive.

During 6.25 some specialty items such as Job Balancing may be disabled while working on a multi-phase job. Please contact technical support for temporary work arounds until next release.

Improved Help prompts on Job Start.

Improved Help prompts while on an Alternate plan.

Count Measurements will now display Unit of Measurement as "EA" for "each".

PDF View Panel will automatically turn on when Alternate Plan is started.

Improved layout of the Import Screen buttons and prompts.

Wall A-Side and B-Side indicator line should now be easier to see while drawn over other colors.

Added Trench Pipe Volumes to the Category Report.

Multi-Phase Report now only displays the stripping and Demolition volumes when the Existing Layer is included in the report.

Added verification checksums while saving takeoffs for users with weak internet connections saving to non-local drives.

Added option to change layer of Multi-Phase LODs in Edit mode.

The current area and perimeter for Pads, Work Regions, and Standard Areas will now display in the bottom left corner while the measurement is being drawn.

Snapped Work Regions and Pads will now join the current point with the first point on Finish or Auto-Close instead of completing the remainder of the trace.

Edit Mode Panel and columns can now be resized.

Added Subtract Region validation for Digitizer mode.

Added Subtract Entire Area / Add Entire Area options for Digitizer mode.

Added Wall A-Side / B-Side indicator for Digitizer mode.

Added Re-Align Takeoff to Plan option available in WinEx Master to WinEx Grade.

Increased size of the Import CAD / PDF Icon.

Changed the names of various items within the Import/Export tab.

Added notifications to the import utility that prompt the user to finish active measurements before importing CAD/PDF/DXF items.

Reworked Pay-level reports and included within Category report.

Export of GPS controlled data expanded, even more options within the Import / Export tab will now allow entry of reference points to sync items up within 3rd Party software.

Improvements for Classic Connected Spots while in Digitizer Mode.

Fixes:

3D Trenching option is no longer available while on alternate plans like other analyze features.

Removed excessive error prompts from Import Utility when exceeding point limits.

View Settings -> Magnification number entry fixes.

Fixed Snapping points are 1-5 pixels offset while on Alternate Plan.

If an alternate plan fails to load the user is now returned to the primary plan.

After editing a region description within the Edit Mode multiple items are no longer selected.

PDF View Panel height and width no longer change after Minimizing or Maximizing main window.

Edit Mode will no longer select a hidden item if it is the next item listed but not displayed.

Fixed cases where new trenches did not properly flag a job for reprocessing.

Fixed cases where Do Not Disturb regions would not show up in the edit items list.

Fixed cases where Do Not Disturb regions would prompt a Regions to Small error for Multi-Phase jobs.

WinEx Master will now force the job to process before exporting DXF Linework.

Fixed cases where Subtract Sub unit was disallowed while in alternate plan.

Fixed cases where elevations in export to DXF while in Metric Job were erroneous.

Fixed cases where match points in DXF Import window were getting rounded off.

Comments or suggestions? Email support@roctek.com

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VERSION: 6.23

Added In-Measure options to Add Entire Region and Subtract Entire Region with single mouse click

Added Import Wall Baseline from Vector PDF or CAD (Manual elevation entry)

Added Import Connected Spot Base Line from Vector PDF or CAD (Manual elevation entry) (Vector elevation entry unchanged)

Added Show/Hide Scale Line option

Added Automatic Region Shading - While drawing regions the software will display the included area

Added Automatic Region Shading Enable/Disable Options to the View Options

Added Crop Image option to Save as PNG

Reworked Offset function, Offsets will now be round off beyond a multiple of the Offset distance

Added WinExMaster.ini Configuration file option "[OFFSET]" to change rounding multiple

Now displaying location of Match/Reference Points when requesting reuse

Add Print Hotkeys under Help Ribbon

Added Options to Reset First Match Point, Reset Second Match Point, or Reset all Match Points for Vector Imports under the Setup Menu

Disabled Autoscale entry for PNG files

Even more Improvements to Ribbon bar accessibility and graphics

UI Improvements to Import multi-segment lines from Vector PDF and CAD Files

UI Improvements for Import Single Vector Item

UI element to display Core Sample depth unit of measurement

Reorganized the Import / Export Ribbon to distinguish Vector imports

Added Version details to installation files

Improvements to logging features

On-Press button sounds are now off by default for new installations

Moved: Options Category under the “Job Options” Ribbon has been moved to the “Configure” Ribbon

Bug Fix: Planbuilder error Notification when unable to save, further improvements in 6.24

Bug Fix: Job expansion / compaction not saving if no job changes were made

Bug Fix: Snap Utility stability issues for arcs with large amounts of points resolved

Comments or suggestions? Email support@roctek.com

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VERSION: 6.22

More Improvements to Ribbon bar accessibility and graphics

Custom Hotkeys are now available under Customize Quick Access Toolbar > More Commands

Increased speed and reduced flicker while Zooming or Panning

Changes to the default menu while Right-Clicking on the drawing

Updated WinEx Master Icon

Import Utility - Zoom-In/Zoom-out with mouse Wheel now uses cursor location

Wall Routine - Automatic elevation intervals for each side

Wall Routine - Skip Elevation can now be edited

Edit Mode - Provided Option to Reassign Region to Pad

Edit Mode - Provided Option to Reassign Pad to Region

Category Report - Renamed “LACS” Option to “Standard Measurements (2D)”

Alternate Plan - Job Processing, reports and analysis features are now disabled for alternate plan

Provided option to Show/Hide Multi-Page PDF Viewer

Removed automatic Snapping for Multi-Page PDF Viewer

Fixed Display issues that occurred while overlaying Drawing and Shading maps when Job Background color was changed

Bug Fix - Import Utility - Unselected items appearing in import list resolved

Bug Fix - Trench 3D - Surface display occasionally corrupted resolved

Bug Fix - More PDF Conversion issues resolved

Bug Fix - Job Balancing - Expansion factor displayed when no expansion enter resolved

Bug Fix - Wall Routine - Crash when manually selecting Phase of wall resolved

Removed - Satellite Image Overlay - Functionality now covered by Use Alternate Plan function

Moved - The Ribbon bar styles option has been moved to the Configure menu

Comments or suggestions? Email support@roctek.com

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VERSION: 6.21

Improvements to Ribbon bars accessibility and graphics.

Improvements to Subgrade drop-down menu, use first letter of subgrade to jump to name.

LACS Report (2D Measurements) now display in sorted order by name and measurement type.

Copy and Paste now includes subgrades. (WinEx Master)

Copy and Paste now allow orientation changes. (WinEx Master)

After importing CAD/PDF the user is now returned to the Import/Export Ribbon.

Multi-Phased Jobs: Added option to draw Final Phase LOD to Proposed Final grade. (WinEx Master)

Improvements to DXF Exports - Provided option to export with or without co-ordinate entry.

Users will now receive a warning when attempting to open a non-Roctek takeoff file.

Added A Side / B Side indicator for Wall Routines.

Added Null Value option for Wall Routine in order to continue current slope (skip one side of wall).

Provided Wall Length in LACS report (Category Report).

Added Item selection menu for Merge Items from Another Job.

Fixed issue with Hot-Keys not working with some Ribbon combinations.

Fixed issue while panning within Alternate-Plan.

Fixed issue while using Control + Left Click (Straight line draw) on Alternate-Plan.

Fixed Invalid Coordinate issue with certain PDFs.

Fixed issue where double-clicking Zoom-to-Area would queue for multiple actions.

Fixed Pop-up elevation information persisting while in 3D view.

Fixed issue with Zoom-to-Area and Match points while importing from CAD / PDF.

Fixed issue with Re-Aligning a takeoff that had already been Re-Aligned.

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VERSION: 6.20

Multi-phase Job Options: Final Phase now performs similar to intermediate phase, as the last phase on the Job. The Final Phase still uses the Total Job's LOD.

Report: When generating report user now has option to show quantities for Length, Areas, Counts. This is turned off by default.

Improved performance for faster shading map display and processing.

Improved flow control of Void regions.

Data Export in DXF Format: Uses Job Coordinates for exported data points.

Ribbon Bar Styles & Customized Toolbars are saved for subsequent session.

Improvements to Edit mode options - Reassign topos.

Improvements to WinEx Master Offset region/pad functionality - "Too many points" error message is fixed.

Improvements to WinEx Master feature on Import / Export Surface collector. Dialog box prompt changes.

Improvements to Partial Over-Excavation Reports in WinEx Master and relation to snapped items.

Data transfer to upgraded versions of Microsoft Excel.

Drawing dis-association will now leave takeoff visible on screen.

Sequence of excel output data has been changed for 2D Length, Areas, Count measurements.

Improvements to Alternate Plan & core samples inputs - added ability to enter Core samples over entire footprint of Alternate Plan.

Minor improvements & optimizations for Import CAD / PDF.

Linetracker stays enabled for certain sub-functions.

Merge items from another job (WinEx Master Only): Added ability to use match points if needed for changing size / position of imported items.

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VERSION: 6.00 / 6.01

Microsoft's Windows current Ribbons Technology Interface introduced Switch between Toolbar Mode and Ribbons Mode under Tools Menu.

Ability to Import Items from Another Job under Import / Export Menu.

Ability to Purge Job File under Configure Default Settings - Allows user to clean the .exw file of deleted items.

Ability to Enable Copy/Paste In Edit Mode under Configure Default Settings - Allows user to copy and then paste Regions/Pads(does not include attributes).

Ability to Job Process Alerts under Analyze Menu - check job for common issues.

Improvements for Multiphase Jobs / LOD for Phases.

Added Progress Bar for status of processing and data imports.

Option for partial Over-Excavations for Pads.

Improvements for Edit Mode - Faster response rate for edit menu.

Improvements for Edit Mode - Selection notification on point press.

Improvements to PDF Page Viewer - Now movable.

Improvements to the Snap Feature.

Improvements for Visualization.

Improvements to Print to Scale.

Improvements to Export to Machine Control / Export Surface Elev Point Data.

Improvements to CAD / PDF Import match-point entry.

Ability to Import Items with Multiple segments from CAD / PDF.

Option to Save to Plan-builder files in PNG format.

Category Report : Added Total Work Region in Strata Category.

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VERSION: 5.11

Disallow CLOSE of Import window when import operation is in progress.

Performing Job Analyze function to display Proposed Final Surface on selection of reports.

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VERSION: 5.10

WinTab Dependency fix.

Connected Spots Sequence Fix.

Wall Routine Sequence Fix.

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VERSION: 5.02

Removed Digitizer driver install unless Job uses one.

Count symbols added to Edit Functions.

Improvements to Machine Control Verification Display.

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VERSION: 5.00

Export Line-work to DXF.

Option to Export Optimized Surface data for Machine Control.

Saving Match points / Reference points used for Primary and Secondary plans, Import CAD / PDF, Data Exports for Machine Control, Surface exports, Satellite Image Overlays.

Option to Daylight Do-Not-Disturb Regions and LODs for Phases.

Option to view on/off of "Undefined Items" in View Options Dialog.

Fixes & Changes

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Strata Layers' "Expand (%)" and "Expanded Cut" values are integrated in the Formal Report.

Improved SNAP feature's handling of add/subtract in LENGTH measurements.

Disabled Elevation option in edit mode for regions.

Export Job-LOD and Region elevations to LAND-XML.

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VERSION: 4.96

Improved compatibility upgrading older versions of WinEx Pro Takeoffs

Updated intergration for Plan & Profile Trenching with 3D Trench Views

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VERSION: 4.95

Added ability to Snap to/from Lengths and Areas.

Trench 3D View - Option for selecting from multiple trenches.

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VERSION: 4.92 / 4.93 / 4.94

New Region type - Respread Region.

Strata Shading map legend.

Region subtraction - Restriction on entering points outside main region.

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VERSION: 4.90 / 4.91

Option for specifying Demolition for region. Jobs can have multiple demolition regions, each with its own thickness.

Option to specify Expansion and Compaction factors for Strip and Respread, independent of job Top Soil and Strata Layer expansions and compactions.

Changes and improvements to reports to enable user to validate quantities.

New 3D view controller.

ADDED Strata Library to store frequently used strata layer settings and quick recall of "Last Used" options.

Subgrade Library - Add to Library and Add to Job are separated.

Material map displays - shows only those materials (Subgrades) used on the job.

Multi-phase Jobs (WNX-Master): Option to specify LODs for each phase. This replaces previous version method that required specifying UNDISTURBED regions to exclude work areas on each phase. Option to specify undisturbed regions that apply to any or all phases of the job.

SNAP option: this is a first release of a snap utility that automatically snaps and traces over previously entered takeoff data. This results in clean and clear takeoffs. It may be turned off in the LineTracker/Snap setup.

Region shading is excluded for all subtracted parts of regions.

Top soil options: This version allows stripped Top Soil to be used as subgrades in other regions of the job. Top soil may also be specified and used as a strata layer.

Don't Disturb Region: this version has option to allow and not allow strip over undisturbed regions.

Cross-Sections (WNX-Master): Cross-section window is automatically reduced in size and is displayed in the lower half along with the main window to show the coordinates of the cross-section(s) displayed.

View options: Added ability to turn On/Off measurements by layer.

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VERSION: 4.91

Added Ability to enter multiple trench sections on same Surfaces.

Improvements to Snap Function.

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VERSION: 4.01

Handles Strip volumes correctly on Overlap Regions.

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VERSION: 4.0

Land XML Import and Export Capability.

3D Views for Trenchwork.

New Shading Maps and Cross-Section views for Strip, Respread and Balancing.

Convert Undefined Import Items to connected spots.

View Port for DXF import window.

Display of Item Details on Main Screen.

Overlay of shading maps on Satellite images.

Processing capability increase to 9 Million Cells.

Delete capability for Selected Item directly from Main Screen.

Perimeter Subtractions.

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VERSION: 3.13

Ability to input Lengths, Areas, Counts, Segments and Texts on shading maps.

Improved DXF Imports.

Bug fixed related to connected spots using existing trace.

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VERSION: 3.12

Grid staking map color setting.

Zoom to mouse position in 3d View.

New Grid display options.

Import window user interface and processing enhancements.

Improved dotted lines import.

Ability to trim import items within area of interest.

Re-spread Calculates cut and fill volume adjustments within area of interest.

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