What's Changed in Eagle Point for 9.1.0?

The following items discuss the most recent changes found in this version of Eagle Point software. Please note that the following sections are organized alphabetically, by module, starting with System level changes followed by enhancements and bug fixes.

What's New in Eagle Point?

System

- Launch CAD (AutoCAD only) - When launching CAD, a check is now performed to ensure the correct version of Eagle Point is loaded for the CAD. The acad.rx file is checked and modified if needed. The file can only be modified if you have administrator rights.
- New Project - If a space is entered as the last character before the extension (.DWG or .DGN), it is now removed.
- Documentation Update - Documentation for Advanced Irrigation, Irrigation Design, Landscape Design, Plant Database and Site Planning have been updated. The updated documentation can be obtained by clicking here.

Advanced Irrigation

- Heads Database - An import heads command has been added to the heads database. Use this command to import a comma-delimited (CSV) or tab-delimited (TXT) file. The first line of the file to import is required to have the field headers. The file to be imported needs to have at a minimum the manufacturer, series, nozzle, pressure, and coverage for each sprinkler head. Other fields available are radius, length, width, flow rate, Quantity Takeoff tag, and part number. Updated catalog files can be downloaded by clicking here.

Drafting

- Annotation Styles - The ability to associate CAD properties to an annotation style has been added. You can now override the Default CAD settings. The Text Properties icon has been added the Annotation Styles dialog box. This allows you to override the Layer, Color, and Text Style for all Annotation. This includes Alignment, Line, Curve and Spiral Tables, and Line, Curve, Spiral, Area and Lot Annotation.
- Annotate Spiral - When a spiral is moved that was annotated, it was slow updating the annotation in the new location. This problem has been corrected.

Irrigation Design

- Heads Database - An import heads command has been added to the heads database. Use this command to import a comma-delimited (CSV) or tab-delimited (TXT) file. The first line of the file to import is required to have the field headers. The file to be imported needs to have at a minimum the manufacturer, series, nozzle, pressure, and coverage for each sprinkler head. Other fields available are radius, length, width, flow rate, Quantity Takeoff tag, and part number. Updated catalog files can be downloaded by clicking here.
- Configuration - A head palette has been added to the software so you don’t have to run through the configuration on every project but rather select the palette to use. You can now create one or more

palettes that will contain the short list of sprinkler heads that you commonly use. Once the head palette is created, it will be available in all of your projects.
    - Multiple manufacturer, series, nozzles, and coverages can be added to a single palette.
    - A preferred head toggle is available for the full, half, quarter, third, three quarters, and two-thirds coverages. This will determine which specific heads you prefer the program to use when running any of the automatic head location commands. Only one sprinkler head per coverage can be toggled as preferred per palette.
- Auto Locate - Automatic location now uses the head palette as the head configuration to use. Once a palette is selected, the program will display only the preferred heads available. The active palette will be the palette initially proposed but any other palette can be selected from the list. All other options work as before.
- Locate on Edge - Locate on edge now uses the head palette as the head configuration to use. Once a palette is selected, the program will display only the preferred heads available. The active palette will be the palette initially proposed but any other palette can be selected from the list. All other options work as before.
- Locate by Array - Locate by array now uses the head palette as the head configuration to use. Once a palette is selected, the program will display only the preferred heads available. The active palette will be the palette initially proposed but any other palette can be selected from the list. All other options work as before.
- Locate Single - Locate single now uses the head palette as the head configuration to use. All heads in the palette are available to be placed with this command. The active palette will be the palette initially proposed but any other palette can be selected from the list. All other options work as before.
- Define Zone - New functionality has been added to this command as follows:
    - The program will now automatically highlight the heads in CAD and report the number of heads and total flow rate for any zone selected in the Associate Zone list.
    - To find any heads that have not been assigned to any zone, you can now use the <unassigned heads> option. This option will highlight the heads in CAD and report back the total number of heads that still need to be assigned to a zone.
    - Eagle Point boundary – When this option is selected, you can pick in an area in the drawing and the program will resolve the boundary and select all the heads contained within this area. You can then apply this selection to create a new zone or to add heads to an existing zone definition.
    - Adding heads to an existing zone – The program now allows to add extra heads to an existing zone without overwriting the prior definition.
    - Zoom to Zone – When a zone or <unassigned heads> is selected, clicking on the zoom to zone button will zoom to the extent of the area that contains the heads.
    - Delete Zone – You can now quickly delete a complete definition by selecting the intended zone and clicking on the delete zone button.
    - Clear Selection – Clear selection clears any selection set in CAD and the fields in the define zone dialog box.
- Zone Scheduling Report - Zone schedule reports can now be exported to a file or inserted in the drawing. The reports have changed as follows:
    - By Zone – The type and number of heads in the zone is now reported in addition to the days of the week, zone gpm, and time of operation.
    - Every X Days – When a zone has been scheduled for operation on a ‘every X days’ basis, the by zone will report totals and a non-applicable message will appear on the by day report.
- Auto Pipe Layout - A snap tolerance and island detection have been added to the auto pipe layout command.
    - Pipe snap tolerance - Pipe snap tolerance is used to prevent cases where a pipe was created from a head to the zone mainline without looking for other possible connections. The

program will now check if a pipe is running by another head or heads within this tolerance in its path to the mainline and snap to the closest head instead of continuing.
    - Island detection - You can now select closed polylines to determine areas where the program should attempt to not place any lateral pipelines. It is possible that an island be ignored if the program can't resolve a way to connect the branch to the zone mainline.
- Draw Lateral - You can now assign a zone to the lateral lines as you draw them. This assignment will be used by the Locate Disconnected Heads to look for conflicts within the pipe connections in the zones.
- Locate Disconnected Heads - Use the locate disconnected heads command to find any heads or pipe branches in a zone that have no connection to the zone mainline. You will need to select the zone to analyze and then select the location where the zone valve will be placed. If any disconnected heads have been found, use the zoom to head button to zoom into the head in CAD.
- Auto size Lateral - The following changes have been made:
    - A Zone ID list has been added to the command. You can now select the zone that you want to run the auto size pipe in without needing to do a CAD selection. You will still need to select the pipe end where the zone valve is to be located. If you don't want to use this option, use <Unassigned Zone> and the command will work as before.
    - When a zone is selected and you run the command, the program will now check for any disconnected heads. If any are found, you can continue auto sizing or resolve the conflict.
- Auto size mainline - Place point of connection symbol and label toggles have been added to this command. When toggled, the program will insert a point of connection symbol and label after the calculations are completed. The point of connection will also be listed in the equipment table.
- Equipment table - Equipment tables can now be exported to a comma-delimited (CSV) or tab-delimited (TXT) file formats.
- A new Elevation submenu has been added to Tools with set and change elevation commands.
    - Set Elevation - Set elevation will change the elevation in your drawing.
    - Change Elevation - Change elevation will change the elevation of objects in the drawing to an exact elevation or make a relative change in the elevation of the object.

Landscape Design

- Vegetation Line (AutoCAD 2009 only) - A problem creating a 'cloud' vegetation line has been fixed.
- Pattern Line - You can now apply a pattern line to multiple lines or polylines without having to return to the dialog box.
- Plant Outline - A plant by names option has been added to the command. When this option is selected the software will display a list of all the plants currently in the drawing. You will then be able to select from this list which plants to outline.
- Tree Shadows - A plant by names option has been added to the command. When this option is selected the software will display a list of all the plants currently in the drawing. You will then be able to select from this list which plants to shadow.
- Locate plants (broadleaf, conifer, palm-cactus, shrubs, flowers) - When you run the locate command, Landscape Design will now look at the plant record in the database to find if a 2D and/or 3D symbol has been associated to the plant. If a symbol has been associated to the plant, this symbol will display in the Plant Symbol button. You can toggle between the 2D and 3D view to display the corresponding symbol. If no symbol has been associated to the plant, a default 2D symbol will be proposed.
  Whether a symbol has been associated to the plant record in the database or not, you can always override the setting by clicking on the plant symbol button and picking a different symbol. Doing this will not update the symbol association in the database record.
- Modify Plant Attributes - The plant diameter and height read from the selected plant will not be overwritten now once a new plant is selected from the list.

- Modify Plant Attributes - The ‘selected plant and selection set’ option now correctly applies changes made with the selected plant any other plants within the selection set.
- Plant Growth - A plant by names option has been added to the command. When this option is selected the software will display a list of all the plants currently in the drawing. You will then be able to select from this list which plants apply the growth.
- Plant Mix - You can now associate hatch patterns directly to the individual plant mixes.
- Plant Palette - A new select from CAD button has been added to the new/modify plant palette. Using select from CAD will search for all current plants in the drawing and report them back in the select plan names dialog box. You can then choose from this list to create or modify an existing plant palette.
- Update Plant Table - Once a table or tables have been placed in the drawing and changes are made to the design, the update table command will update all the tables currently in the drawing. The selection method used to create the table determines what the program will use to resolve whether or not a table needs to be updated. The program will use all the initial settings use to create the table.
- A new Elevation submenu has been added to Tools with set and change elevation commands.
    - Set Elevation - Set elevation will change the elevation in your drawing.
    - Change Elevation - Change elevation will change the elevation of objects in the drawing to an exact elevation or make a relative change in the elevation of the object.

Plant Database

- Plant 2D and 3D symbols - You can now associate a 2D and/or 3D symbol to each plant in the database. The associated symbol(s) will then be used to locate the plants in Landscape Design.
- Plant Image and Detail Image - You can now associate a plant image and a plant detail image to each plant in the database. The associated images will be placed with the plant data when printing a plant schedule. Images can be in BMP, JPG, TIF, or PNG file formats.
- Vines plant type - Vines have been added as an additional plant type to the database.
- Import - The import plants command can now import plant records with any of their corresponding data fields into the database in a comma-delimited (CSV) or tab delimited (TXT) file format. Name files (NAM) are also supported. The only required fields are scientific name, common name, and code name. The first line of the file to be imported is required to be a headers line. The headers need to match the plant database field names. The fields can be found in any order.
- Export - The export plants command can now export plant records and any of their corresponding data fields to a comma-delimited (CSV) or tab delimited (TXT) file format. The first line in the exported file corresponds to the field headers. The fields can be exported in any order.
- Copy Record - The copy record command in the plant data dialog box will allow you to select a plant in the database and make a copy of all the plant data into a new plant record when creating plant varieties.
- New Plant Palette - The new plant palette command in the plant data dialog box will allows you to create a plant palette from any plants highlighted in the list. Palettes are used in the locate plant commands in Landscape Design.
- Show All Data - The show all data command will clear the list of any searches or plant selections and display the complete list of plants in the database.

RoadCalc

- Cross Section Sheets - The ability to place a symbol at specific locations was added to Reference Lines. A symbol can automatically be added at a PT Code location or at an offset determined by an alignment. This is useful when locating guard rail, concrete barriers or fence locations on a typical section. For you convenience, sample guardrail symbols are installed to the images folder on new installs or can be downloaded by clicking here. Once downloaded, unzip the files and place them in your \Images\ folder.
- Plan and Profile Sheets - The Update Annotation button was added to the dialog box. This allows you to update the plan and profile annotation on the highlighted plan and profile sheets. The Update Annotation command will only update annotation placed by Eagle Point. Any geometry or annotation you have placed to customize your plan and profile sheets will be not be changed.
- Adjust Plan and Profile Sheets - When adjusting Plan and Profile sheets, the annotation no longer lined up with the objects. This problem has been corrected. It was also supplied with a Hot Fix to the 8.1.0 release.

Site Planning

- Building Footprint - An existing element option has been added that will allow you to select polylines in the drawing and convert them into footprint walls. The pick points method of entry has changed. You can now use the PIC button graphically select the location of the footprint walls without leaving CAD. You can also use the angle and distance entry as before.
- Openings - When placing a single door, you will now be able to graphically select not only the side of the wall to place the door but also how the door should face. For all openings you can continue placing them without returning to the dialog box.
- Parking (Linear, Curved, Area) - A new Bumper toggle has been added. When bumpers are toggle, the software will place bumpers on all the stalls based on the given parameters.
- Patios - You can now select between drawing junction lines (user-defined pattern) or placing a hatch pattern to illustrate the patio.
- A new Elevation submenu has been added to Tools with set and change elevation commands.
    - Set Elevation - Set elevation will change the elevation in your drawing.
    - Change Elevation - Change elevation will change the elevation of objects in the drawing to an exact elevation or make a relative change in the elevation of the object.