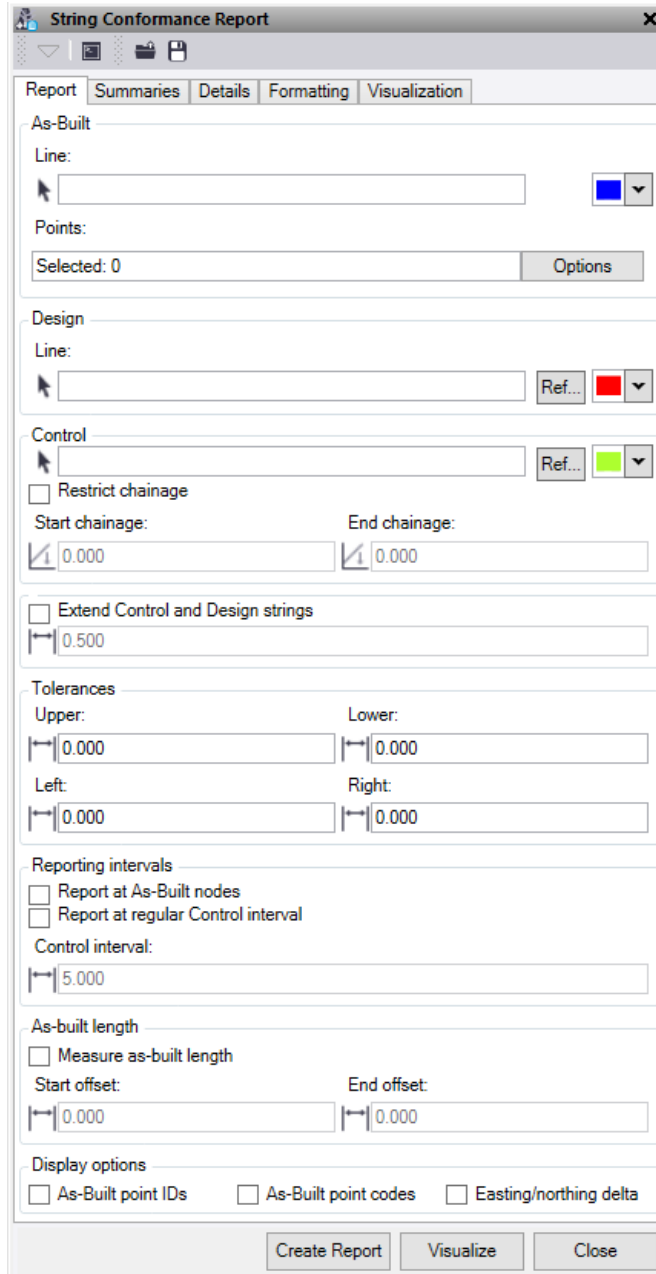String Conformance Report

Command Description

The String Conformance Report command is for reporting as-built strings against a design string such as Kerb, barrier, drainage, and walls. Options for summary display and an option to visualize output in plan-view prior to creating report.

At the top of the command pane there is the ability to **load** and **save** a tolerance setting file. Once you have populated the command with the appropriate tolerances and setting for a report you can save it in a file that can be reloaded in the future.

Report tab

As-Built	Select an as-built line string to use in the report (*optional*). Option to change the selection highlight colour. *(Highlight does not work on pipe strings)*
Pipe Level	If a *Pipe string* has been chosen – Select the justification required for reporting.
As-Built Points	Select as-built points to use in the report (*optional*).
Design	Select the design line to report against (can be the same as control). Option to change the selection highlight colour and to select line from Reference files.
Vertical offset	Specify a vertical adjustment to apply to the design line string.
Pipe Level	If a *Pipe string* has been chosen – Select the justification required for reporting.
Control	Select the control alignment to which you want to report chainage and offset. Option to change the selection highlight colour and to select line from Reference files. (Must have)
Restrict chainage *Start station* *End station*	Check if you want chainages to be restricted between the **Start chainage** and **End chainage** you specify.
Extended Control and Design strings	Check if you want the design and control line strings to be extended to be able to report points that may be just past the end the distance you specify.
Tolerances *Upper tolerance* *Lower tolerance* *Left tolerance* *Right tolerance*	Enter the vertical and horizontal tolerance values you want to check the as-built against.
Report As-Built nodes	Check if you want to report only the nodes on the as-built line string. *Note: You must have one of these reporting interval options selected if using an as-built string.*
Report at regular Control interval	Check if you want to report at regular intervals you specify in **Control interval** along the as-built line string rather than or as well as at nodes.
Measure as-built length *Start offset* *End offset*	Check if you want to report the end most as-built locations against the end of the design string for length. Use the start and end offsets to adjust the design length location reported against. *Note: these lengths are measured along the "Control" alignment.*
Include As-Built point IDs	Check if you want as-built point IDs included in the report
Include As-Built point codes	Check if you want as-built point Codes included in the report
Include easting/northing delta	Check if you want to include the easting/northing delta in the report.

Summaries tab

Select header summaries to include	Check the summary fields you want to include in the report.

Details tab

Title	Enter a title for the report (for example, the project name).
Custom image file	Select a "png" or "bmp" image file to be added to the top right corner of the report. E.g., company Logo or project image. This only appears if you have a *Title* filled out.
Description	Enter a description for the report.
Reference number	Enter a survey job reference number.
Author	Enter the name of the report's author.
Custom Header	Enter a user defined heading
Custom Text	Enter a user defined text to go beside the Custom header

Formatting tab

Colors	Choose the colours to be used in the Excel Report. *Out of tolerance* *Missing data* *Summary background* *Title background* **Reset to Defaults**

Visualization tab

Create visualization layers	Check if you want conformance information to be displayed on layers in TBC.
Layer prefix	Enter a prefix to add to layer names.
Text Height	Select the height of the text to be displayed on screen.
Text Style	Select the text style for the text displayed on screen.
Gap	This is the distance in metres that the insertion point of the text will be right/left of the node it is created for.
Draw leader line with gap	Check this to add a leader line when a gap has been used.
Clear visualization layers	Check if you want the layers to be cleared before adding new data.
Include data prefix	Check if you want to include the "Data" type as a prefix to the text on screen.
Data and prefixes	Check the boxes for the data you need to see on screen and adjust the prefixes that are used. • **Horizontal delta** – Delta offset. • **Elevation delta** – Delta Elevation. • **Design Level –** Design level. • **As-built level –** Surveyed level.
Align text square to line	Draw text perpendicular to the Control line selected.