



## 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.

The screenshot shows the 'String Conformance Report' dialog box with the following sections and controls:

- Report** (selected tab):
  - As-Built**: Line (dropdown), Points (Selected: 0, Options button)
  - Design**: Line (dropdown)
  - Control**: Control (dropdown),  Restrict chainage, Start chainage: 0.000, End chainage: 0.000
  - Extend Control and Design strings: 0.500
  - Tolerances**: Upper: 0.000, Lower: 0.000, Left: 0.000, Right: 0.000
  - Reporting intervals**:  Report at As-Built nodes,  Report at regular Control interval, Control interval: 5.000
  - As-built length**:  Measure as-built length, Start offset: 0.000, End offset: 0.000
  - Display options**:  As-Built point IDs,  As-Built point codes,  Easting/northing delta
- Buttons**: Create Report, Visualize, Close



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

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

## Summaries tab

<b>Select header summaries to include</b>	Check the summary fields you want to include in the report.
---	---



### Details tab

<b>Title</b>	Enter a title for the report (for example, the project name).
<b>Custom image file</b>	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 <b>Title</b> filled out.
<b>Description</b>	Enter a description for the report.
<b>Reference number</b>	Enter a survey job reference number.
<b>Author</b>	Enter the name of the report’s author.
<b>Custom Header</b>	Enter a user defined heading
<b>Custom Text</b>	Enter a user defined text to go beside the Custom header

### Formatting tab

<b>Colors</b>	Choose the colours to be used in the Excel Report. <i>Out of tolerance</i> <i>Missing data</i> <i>Summary background</i> <i>Title background</i> <b>Reset to Defaults</b>
---------------	--

### Visualization tab

<b>Create visualization layers</b>	Check if you want conformance information to be displayed on layers in TBC.
<b>Layer prefix</b>	Enter a prefix to add to layer names.
<b>Text Height</b>	Select the height of the text to be displayed on screen.
<b>Text Style</b>	Select the text style for the text displayed on screen.
<b>Gap</b>	This is the distance in metres that the insertion point of the text will be right of the node it is created for.
<b>Clear visualization layers</b>	Check if you want the layers to be cleared before adding new data.
<b>Include data prefix</b>	Check if you want to include the “Data” type as a prefix to the text on screen.
<b>Data</b>	Check the boxes for the data you need to see on screen. <b>Horizontal</b> – Delta offset. <b>Elevation</b> – Delta Elevation.