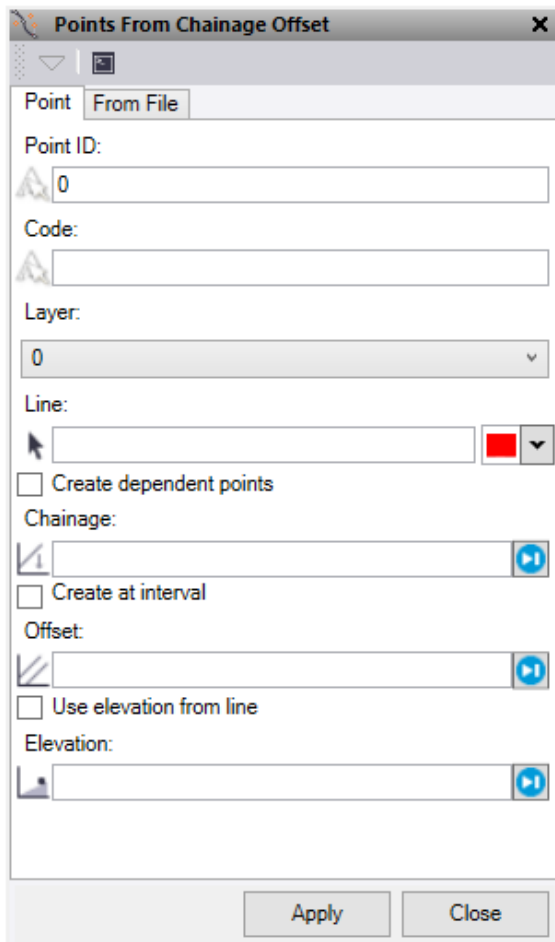# Points from Chainage Offset

Command Description

The "Points from Chainage Offset" command allows the user to create points using chainage, offset and elevation along an alignment, or alternatively a csv file can be imported and the columns containing the point ID, chainage, offset, elevation, and code defined.

Point Tab:

1. Enter the required **Point ID**.

2. Enter an optional feature **Code**.

3. Select a **Layer** or create a new one for the points to be placed on.

4. Select a **Line** to use to control the chainage and offset of the points. This can be an alignment or linestring. Option to change the selection highlight colour.

5. Check the box to **Create dependent points** if required.

6. Enter a **Chainage** or click on the plan view to select a chainage.

   - Check the box to **Create at interval** if this is required.

     o Enter the chainage interval

     o Use a **Start** and **End chainage** to limit the point creation

7. Enter an **Offset** or click on the plan view to select an offset.

8. Enter an **Elevation** or click in the plan view to adopt an elevation. Alternatively check the box for **Use elevation from line** to take the point elevation from the line used.

9. Do either of the following:

   ▪ Click **Apply** to apply the changes and keep the **Points from Chainage Offset** command pane open.

   ▪ Click **OK** to apply the changes and close the **Points from Chainage Offset** command pane.

From File Tab:

1. Select a CSV file containing chainage and offset data.

2. Select a **Line** to use to control the input of points. This can be an alignment or a linestring.

3. Check the box to **Create dependent points** if required.

4. Select a **Layer** or create a new one for the points to be placed on.

5. Enter an optional Point **ID Prefix** if required.

6. Choose the column positions as set in the selected CSV file.

7. Do either of the following:

   a. Click **Apply** to apply the changes and keep the **Points from Chainage Offset** command pane open.

   b. Click **OK** to apply the changes and close the **Points from Chainage Offset** command pane.

Note: If points are entered with a chainage beyond the limits of the line/alignment used then the last segment of the line will be extended to locate these.