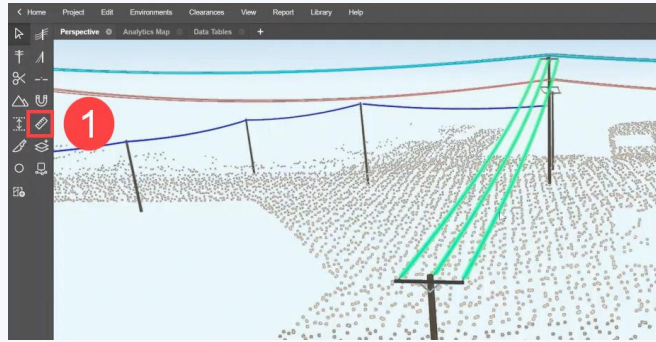
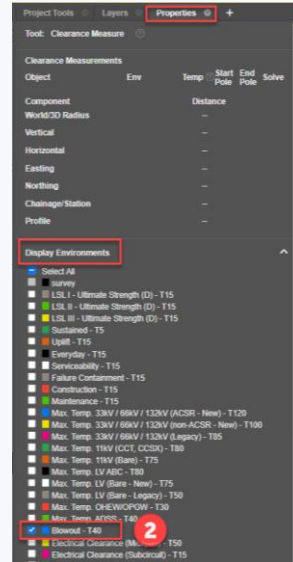


This QRG will show how to perform a Blowout clearance measurement in both 3D Perspective and 2D Plan views.

1. In the 3D **Perspective** view, select the **Clearance Measure** tool



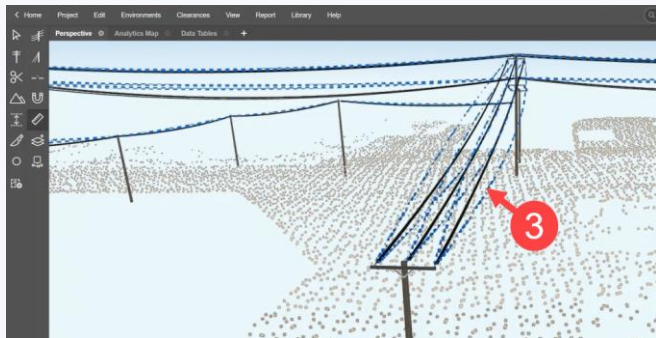
2. Select **Blowout –T40** from the **Display Environments** list (under the **Properties** tab).



Selecting the checkbox should add a new blue-dotted line in the 3D view. This blue-dotted line is the conductor in the **Blowout** position.

Note: the colour blue next to **Blowout – T40** is copied through from the **Environments** library

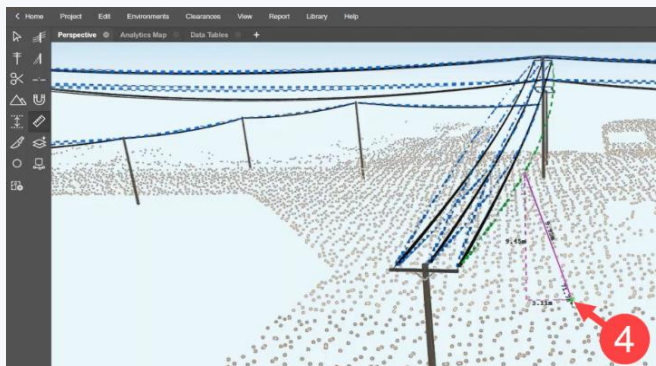
3. Left-button mouse **click** (once) on the blue dotted line of interest



4. Drag the mouse to the feature (or LiDAR point) of interest.

Note down the horizontal measurement shown on-screen.

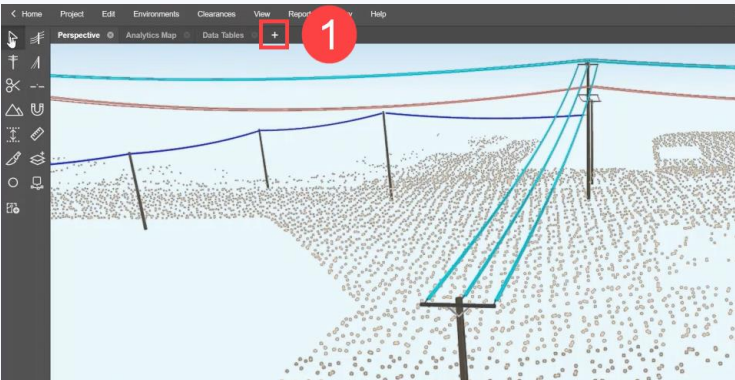
In the example to the right, the bottom measurement (3.11m) is the horizontal distance from the blown-out conductor position to the point of interest.



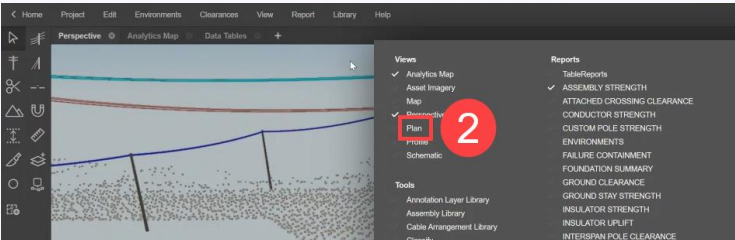
Note: To reset from the **Clearance Measure** tool, right-button mouse **click twice**, or press the keyboard **Esc** key. The blue-dotted blowout lines should disappear.

Perform a clearance measurement in the birds-eye **Plan** view using the Blowout environment condition.

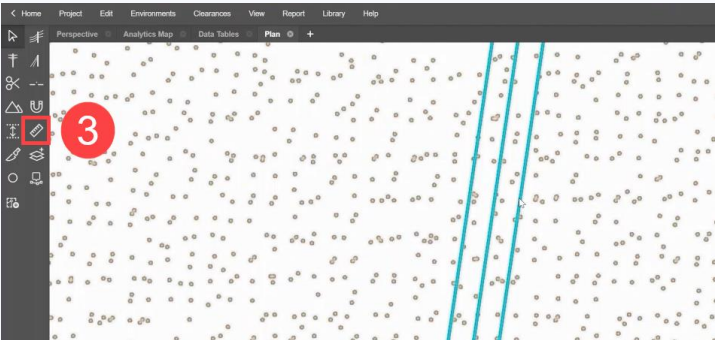
1. Click on the **(+)** icon to open a new tab in the **View** panel.



2. Click on **Plan** in the pop-up window.



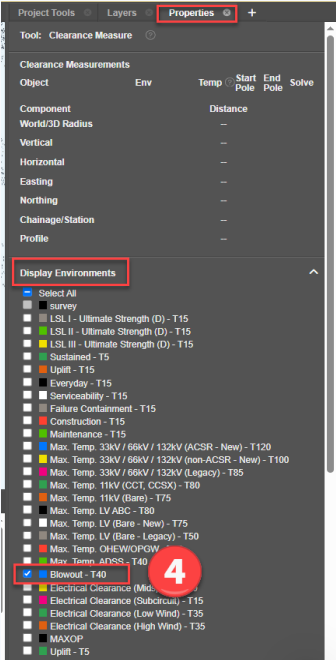
3. In the **2D Plan** view, select the **Clearance Measure** tool.



4. Select **Blowout –T40** from the **Display Environments** list (under the **Properties** tab).

Selecting the checkbox should add a new blue-dotted line in the 2D Plan view. This blue-dotted line is the conductor in the **Blowout** position.

Note: the colour blue next to **Blowout – T40** is copied through from the **Environments** library

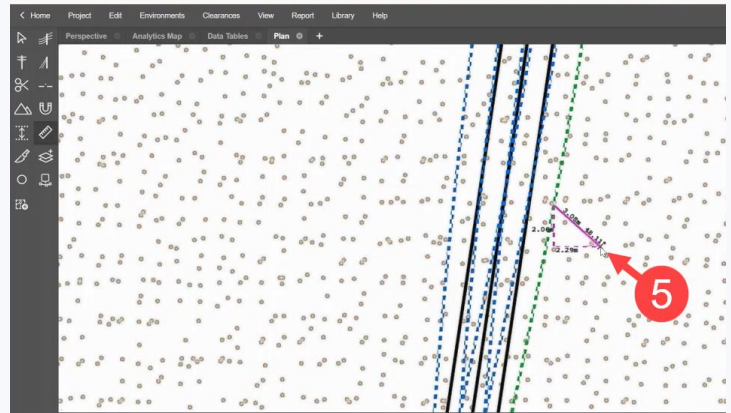


Blowout Measurements – Plan View (continued)

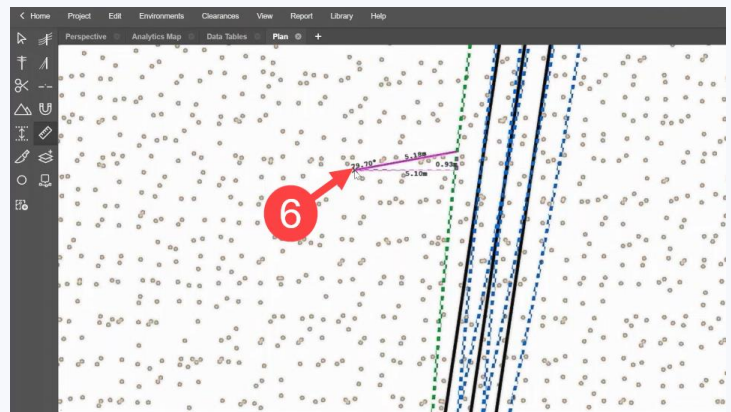
- Left-button mouse **click (once)** on the blue-dotted line of interest.

Drag the mouse to the feature (or LiDAR point) of interest. Note down the horizontal measurement shown on-screen.

In the example to the right, the bottom measurement (2.29m) is the horizontal distance from the conductor blowout position to the point of interest.



- To measure the other side of the feeder, right-button mouse **click once** to reset the tool to a selection phase. The **Display Environments** list should still be shown in the **Properties** tab (and **Blowout – T40** selected). If it is not, the Clearance Measure tool must be selected again. Left-button mouse **click (once)** the opposite conductor blowout line and move the mouse to the point of interest.



Note: To reset from the **Clearance Measure** tool, right-button mouse **click twice**, or press the keyboard **Esc** key. The blue-dotted blowout lines should disappear.

Tips:

- Any previously selected environment from the **Display Environments** list will remain selected when the **Clearance Measure** tool is re-opened. Check that the environment selected is appropriate for the type of measurement required.
- It is recommended to only view one environment at a time during a clearance measurement. Otherwise, it is not clear which clearance line the measurement is starting from, particularly if the colours are similar.

