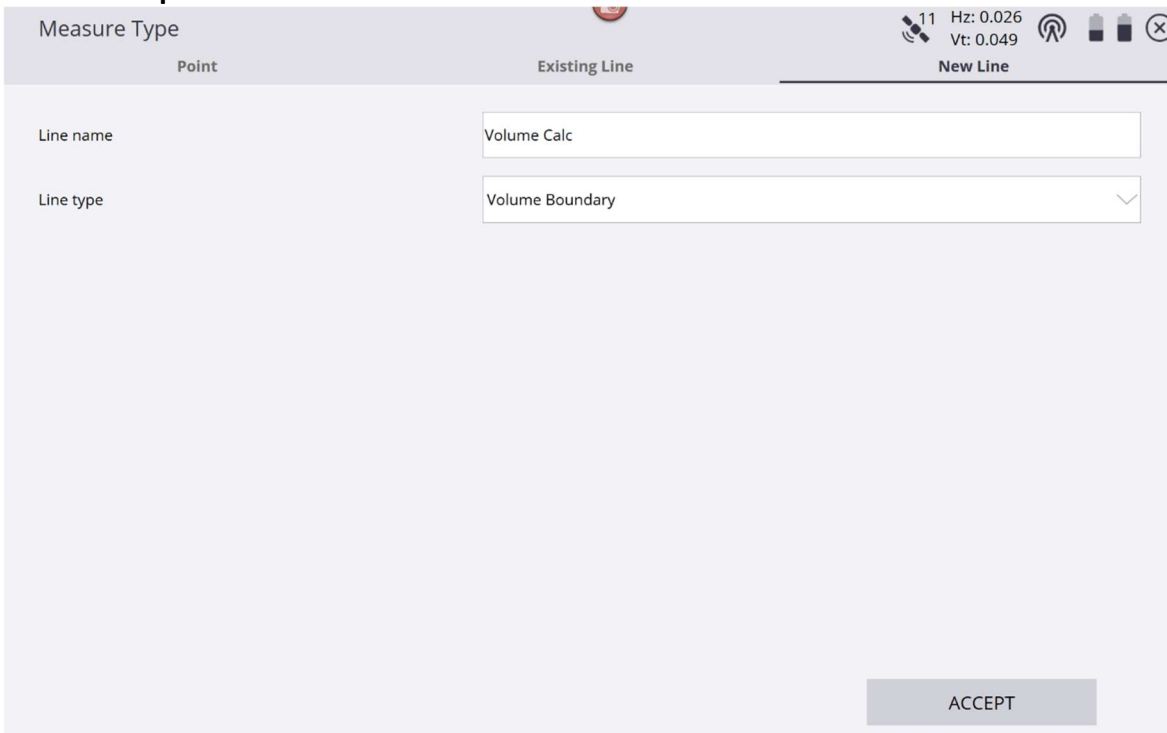# Volume Calculation (Original Ground to Finished Grade)

1. Create a fresh work order in the Project setup screen
2. From the Plan View screen (Screen you can see your linework) and select the Measure type icon that looks like: ▬○ or ○▬○

3. On the top row change to "New Line"
4. Name the line **Volume Calc** and change the line type to **Volume Boundary** and tap **accept**
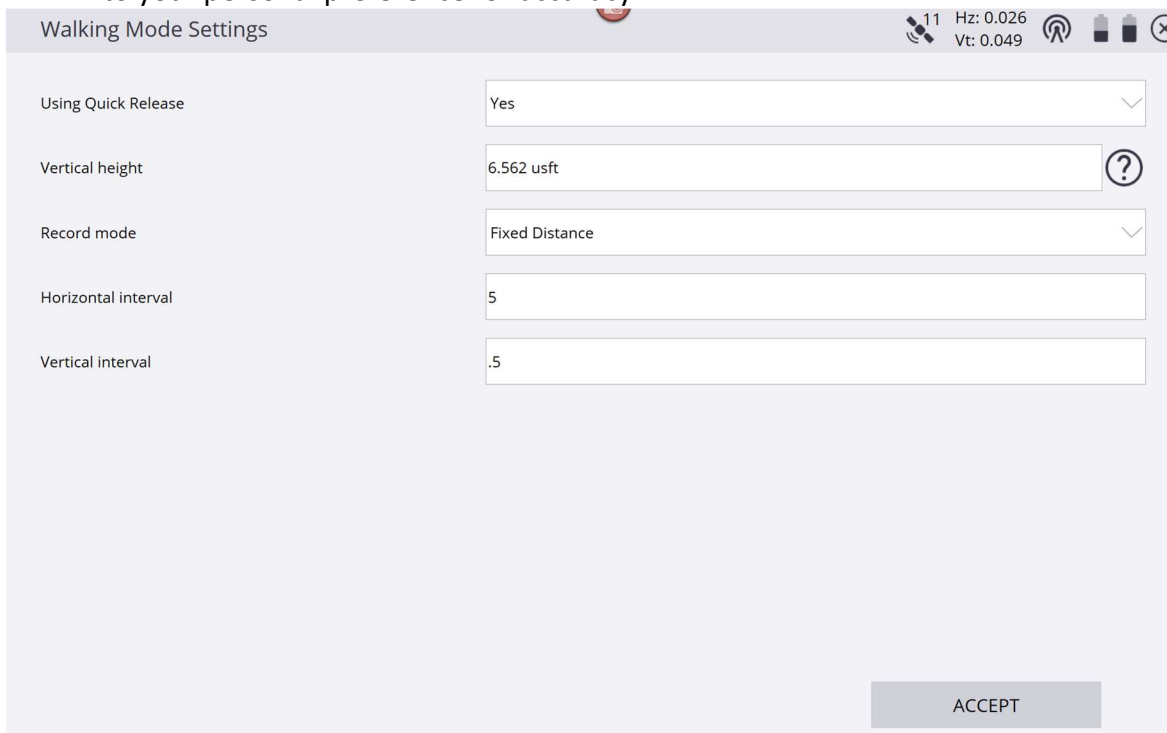

5. Next change your mode to **Walking** by selecting this icon:

(Go to the Next Page)

6. Change the **Horizontal Interval to 5ft** and the **Vertical Interval to .5.** Or change it to your personal preference for accuracy.

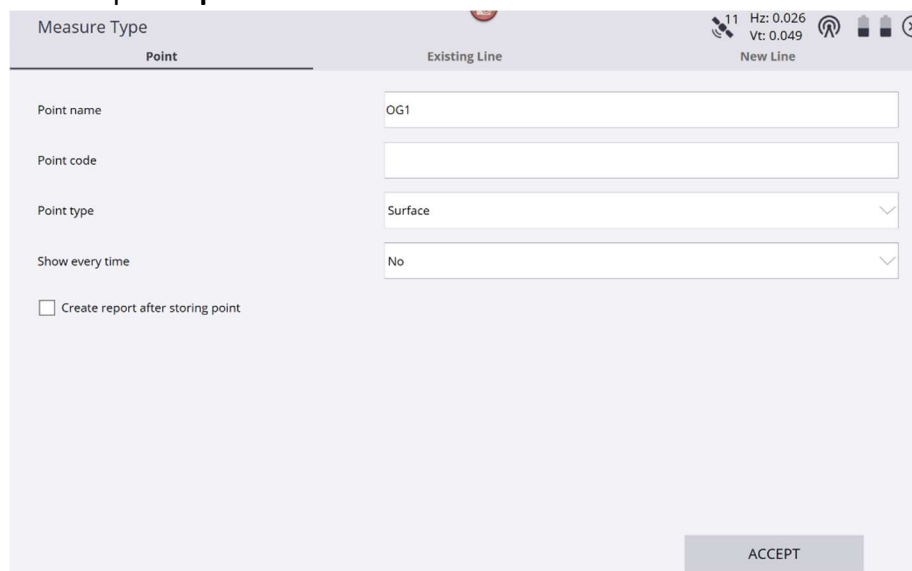| Walking Mode Settings		11 Hz: 0.026 Vt: 0.049
Using Quick Release	Yes	
Vertical height	6.562 usft	?
Record mode	Fixed Distance	
Horizontal interval	5	
Vertical interval	.5	
		ACCEPT

7. Tap **Accept**. It will bring you back to the Plan View screen. From there you can tap the Play button in the bottom right and walk the outside of the design.
8. Once you are close to finishing the Volume Boundary tap the close boundary button on the left side to close the boundary:

9. Now that the Volume Boundary is closed you must switch to marking points by selecting the measure type button: or

Select Point in the top row and change the **point name to Topo1,** also change **Show every time to No** and tap **Accept**

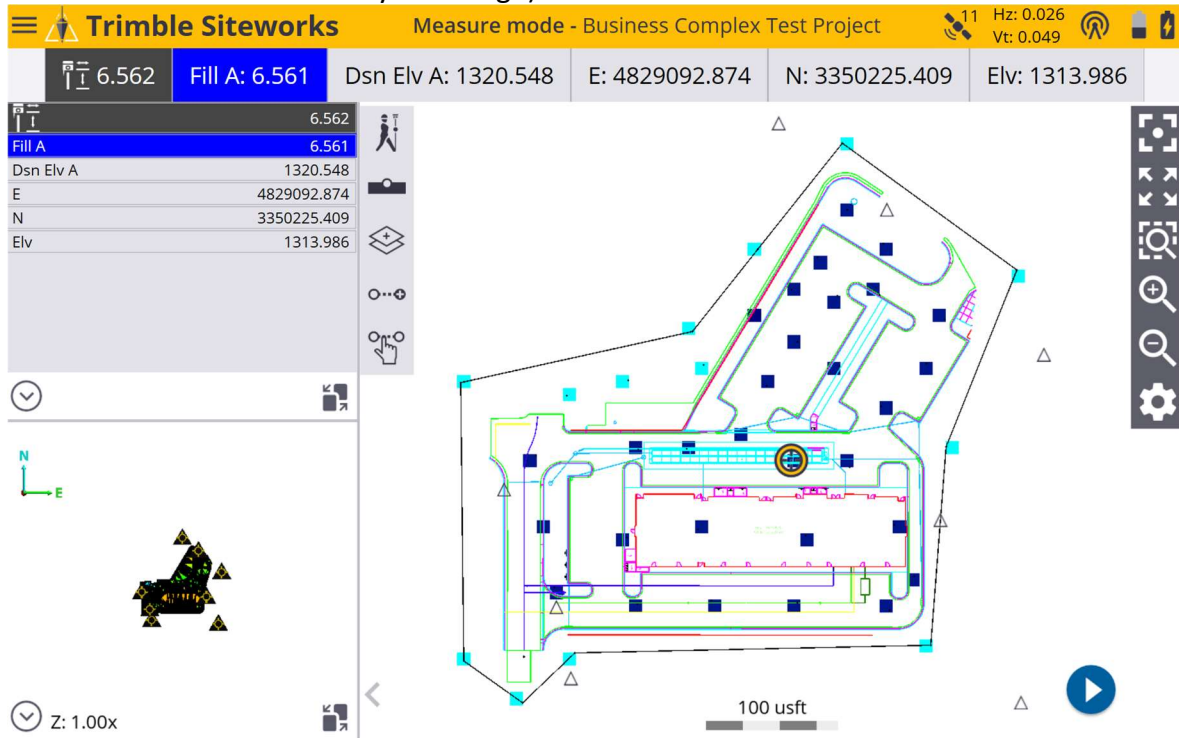| Measure Type		11 Hz: 0.026 Vt: 0.049
Point	Existing Line	New Line
Point name	OG1	
Point code		
Point type	Surface	
Show every time	No	
☐ Create report after storing point		
		ACCEPT

10. Tap the Play button and walk the inside of your design(make sure to shoot points in all key spots to make the image of your Original Ground as precise as possible)

11. When done tap the Pause button (Design should look something like what is shown below but on your design):
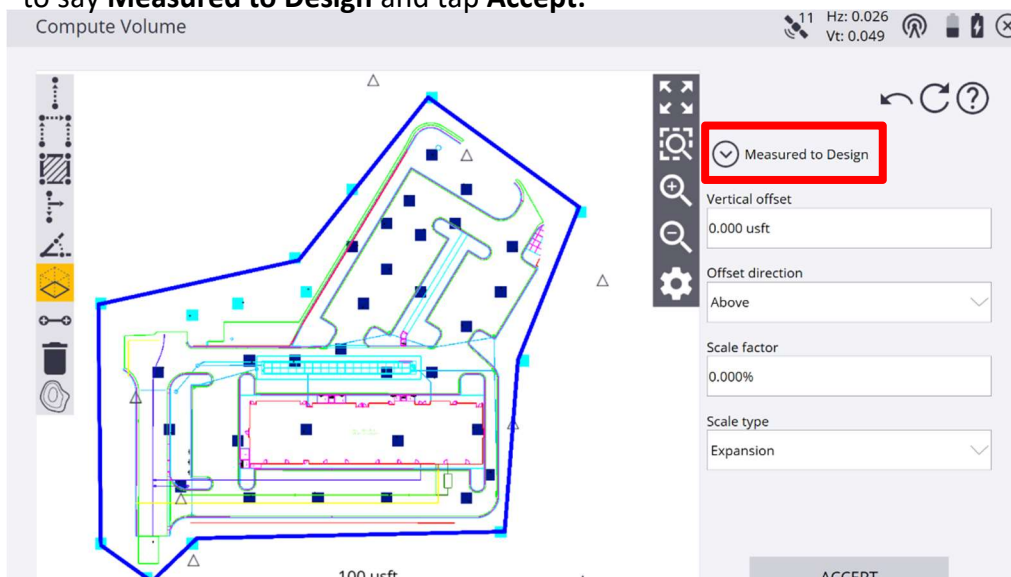

12. To see the calculation click the **menu in the top left** and go to **COGO, Review & Edit Data**
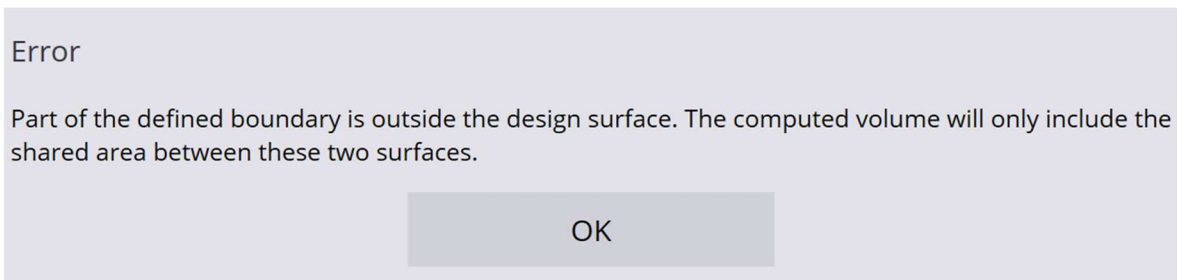
13. Then choose the **Compute Volume icon**

14. Tap the grey boundary so it highlights blue. Then Change the stockpile dropdown to say **Measured to Design** and tap **Accept**:

15. This error message may pop up. It explains that it will only take into account the Original Ground surface that is directly above or below the Design surface, nothing on the outside. Tap **OK**

Error

Part of the defined boundary is outside the design surface. The computed volume will only include the shared area between these two surfaces.

OK

The Volume Calculation will then display the Cut and Fill Information. You also have the ability to create a PDF report that will be saved to the Work Order – Output folder in your project folder by clicking the button circled below.

Save Computation   📡11 Hz: 0.026   Vt: 0.049

Description	Volume Calc
Volume type	Surface to surface volume
Expansion factor	0.00%
Total cut volume	0.000 cu yds
Total fill volume	549580.440 cu yds
Net fill balance	549580.440 cu yds
Base area	107473.066 usft²
Base perimeter	1409.704 usft
Measured surface area	1707255.172 usft²
Boundary	Line1

ACCEPT