

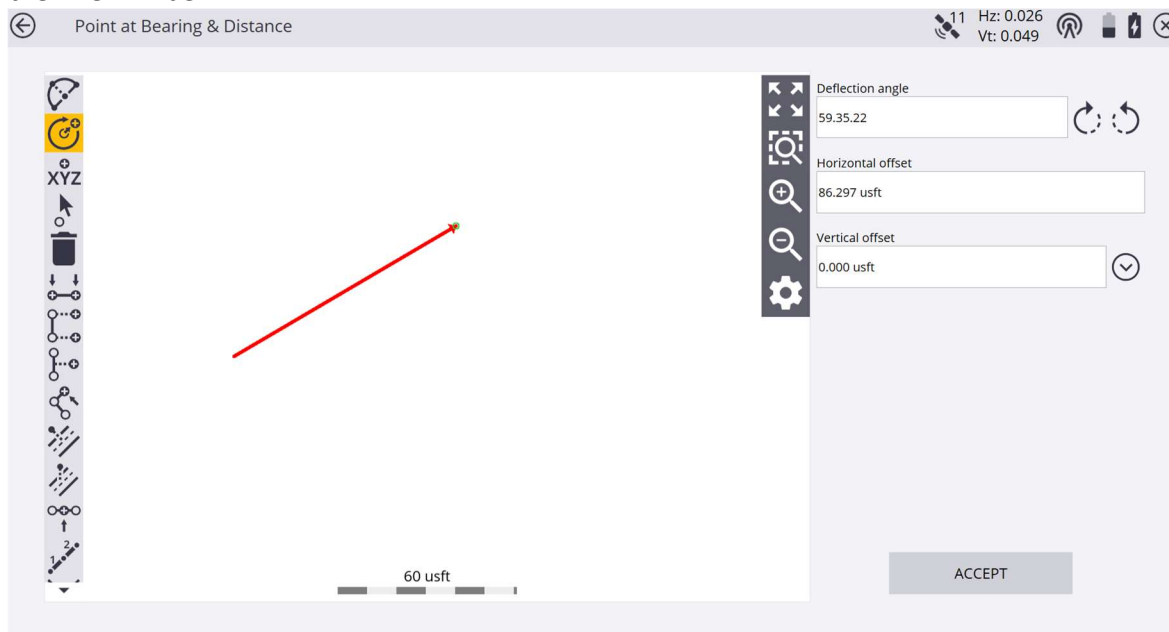



3D Linework Design (Tiling)

1. Complete a site calibration
2. Start on a fresh Work Order, and no design needed (Use a design if you have one)
3. Create a point at your inlet point (Start Point) and name it Inlet
4. Walk to the location you want your outlet and mark a point and name it Outlet (Don't worry about Elevation)
5. Next Go to the Menu in the top left  and select COGO Create Points/Arcs
6. Look for Point at Bearing & Distance  and select it so it is highlighted yellow
7. Select your Inlet point for the Origin Point and hit accept to move on
8. Next select your Outlet point so it creates a red line on your screen

The Information on the right side shows the correct deflection angle and distance your tile line will be.



9. In the Vertical offset section hit the drop don bar and change it to Slope% and enter -2 in the box and select Accept in the bottom right
10. This will create a new point at the deflection angle, distance, and new slope. Name this point Outlet1
11. Select Accept when done
12. Now connect Inlet to Outlet1 using the Create Line/Boundary 
13. Line Type should be Breakline and Name the line Tile Line. Click Accept when done and hit the X button in the top left
14. To save this deign click the menu in the top left and go to Data Management section and select Surface as Design
15. Name the Design Tile Line and Include Measured Linework using the outer most points for the Outer Boundary
16. Go to the project setup and select the new Tile Line design that was just created