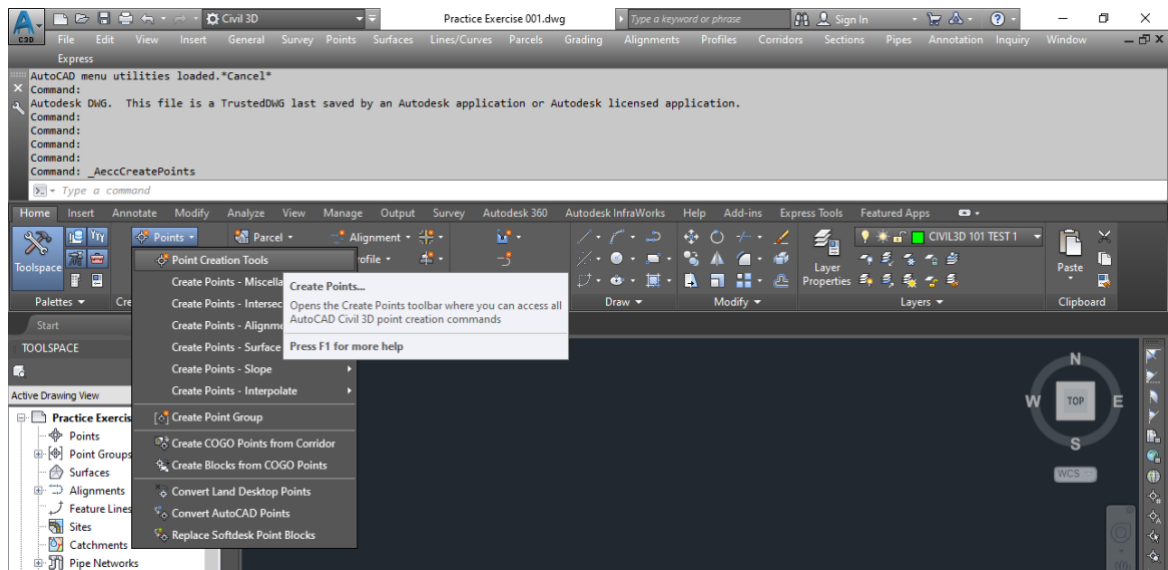# Solution: Practice Exercise 1
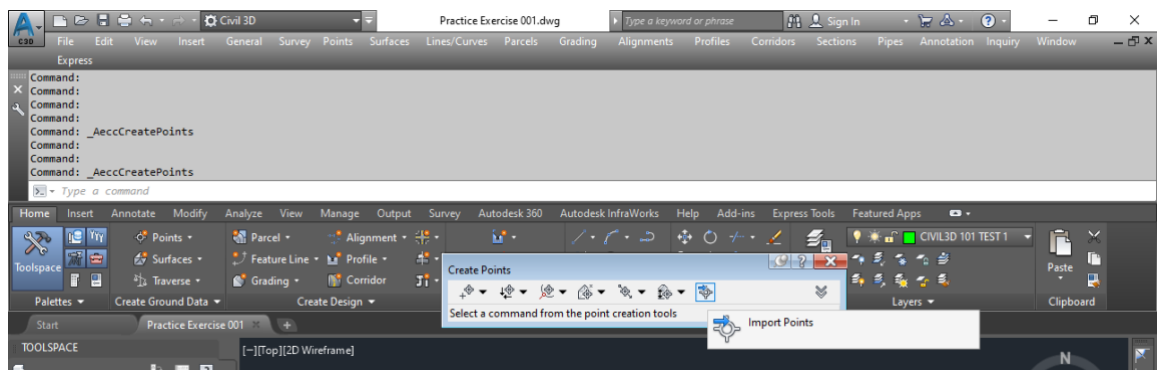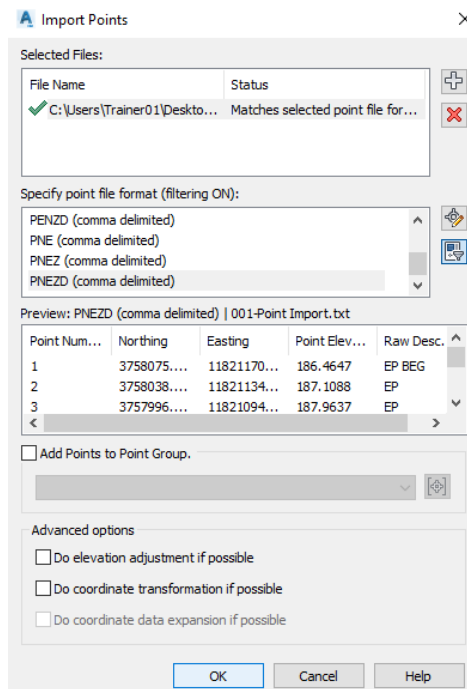# Create a Parcel with Points

AUTODESK.

1. Open Practice Exercise 001.dwg.

2. In the Create Ground Data panel, choose Point Creation Tools from the Points drop-down menu.
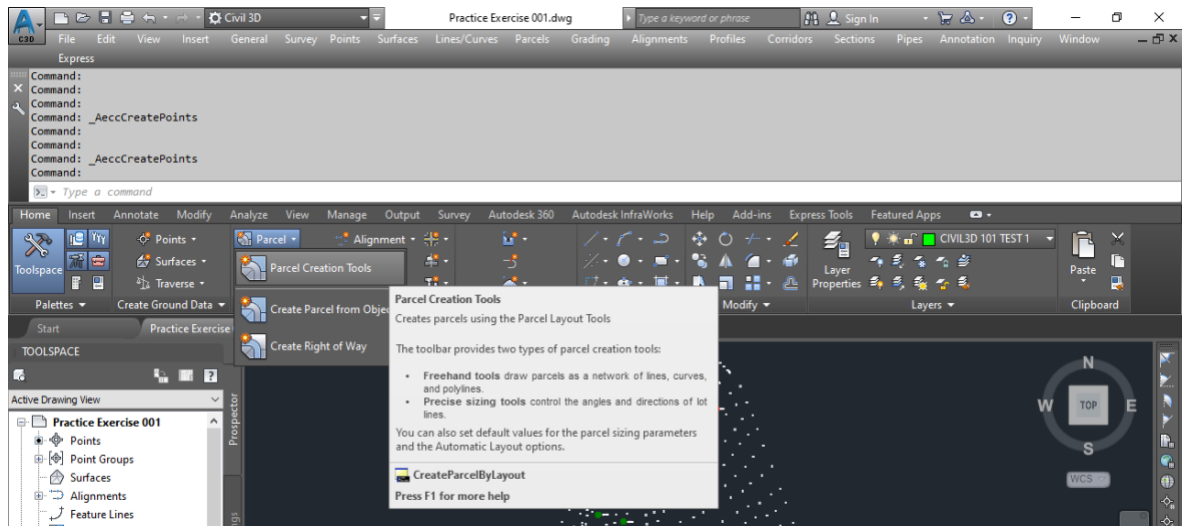

3. Click Import Points in the Create Points toolbar.

4. Click the + button and add the 001-Point Import.txt file. Choose the PNEZD format and click OK.
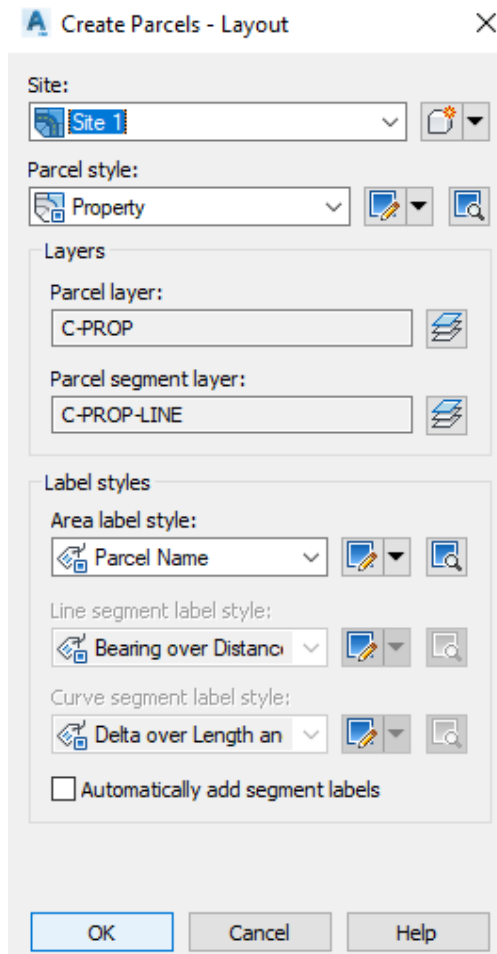

5. In the Create Design panel, Select Parcel Creation Tools from the Parcel drop-down menu.
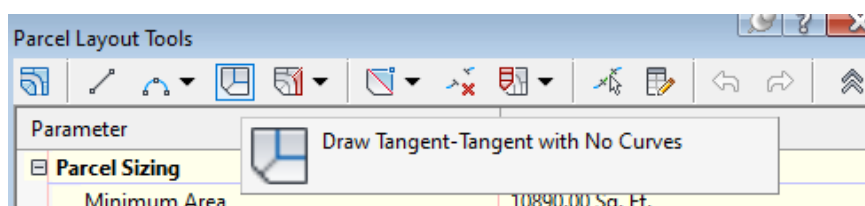

6. Click the Create Parcel tool in the Parcel Layout Tools toolbar.
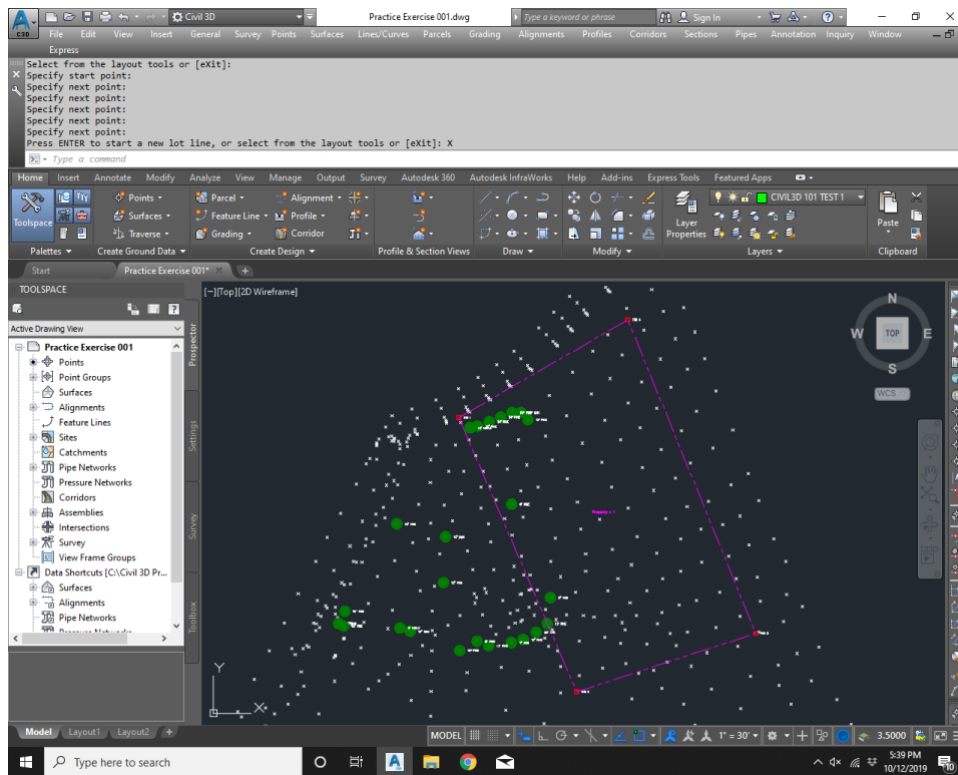
7. Accept the default settings.

8. Click the Draw Tangent-Tangent with No Curves tool in the Parcel Layout Tools toolbar.
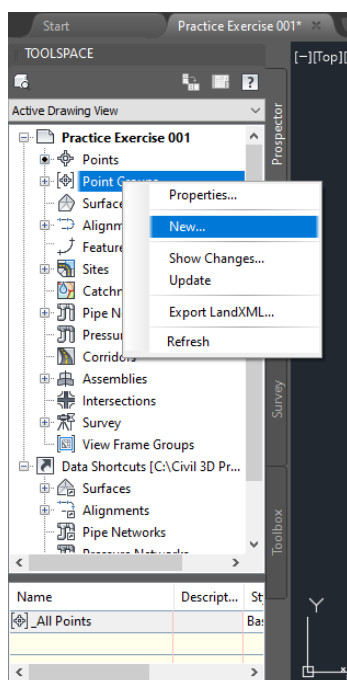

9. Draw the parcel starting at FND 1 -> FND 2 -> FND 3 -> FND 4. Click the node of FND 1 again and press Enter to exit the command.
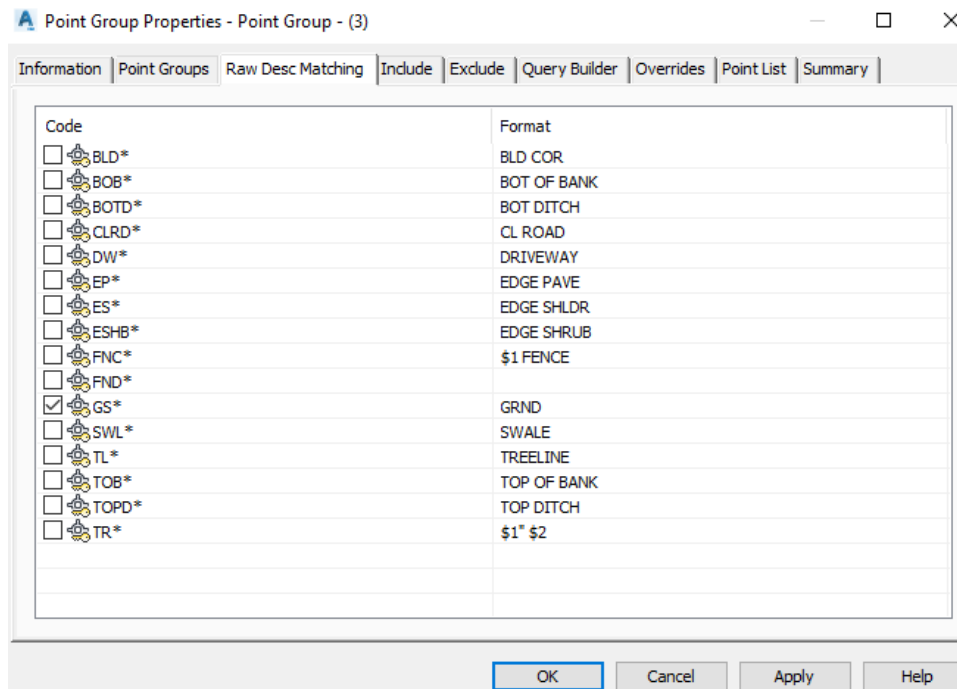
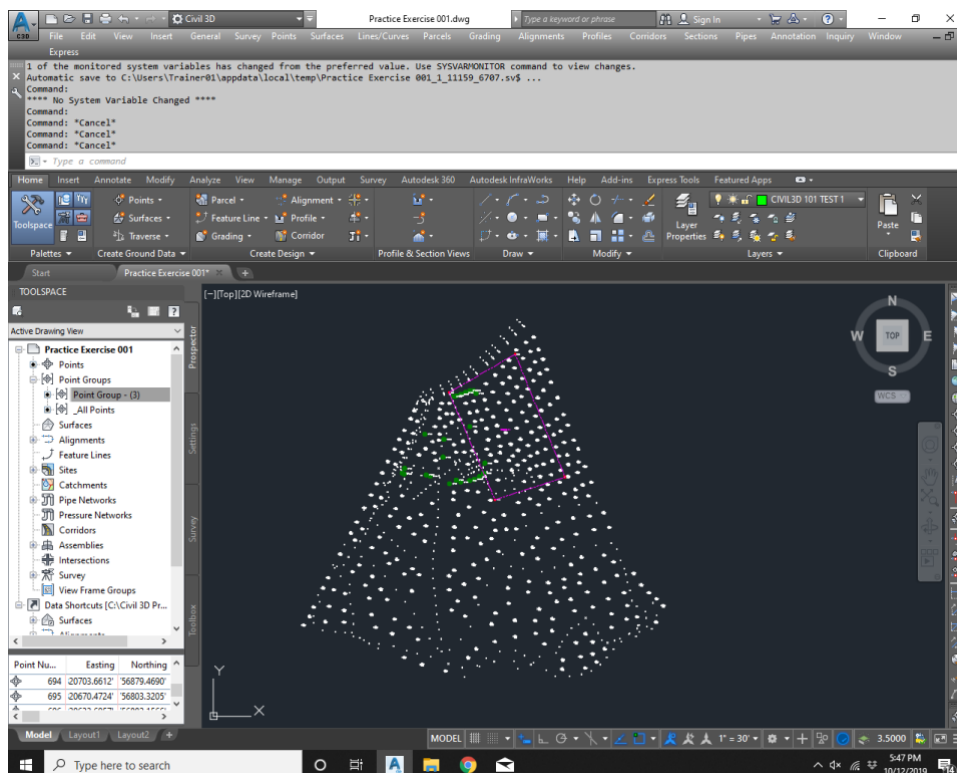The drawing should look like this:

10. Navigate to the Prospector tab of the Toolspace. Right-click Point Groups and choose New.
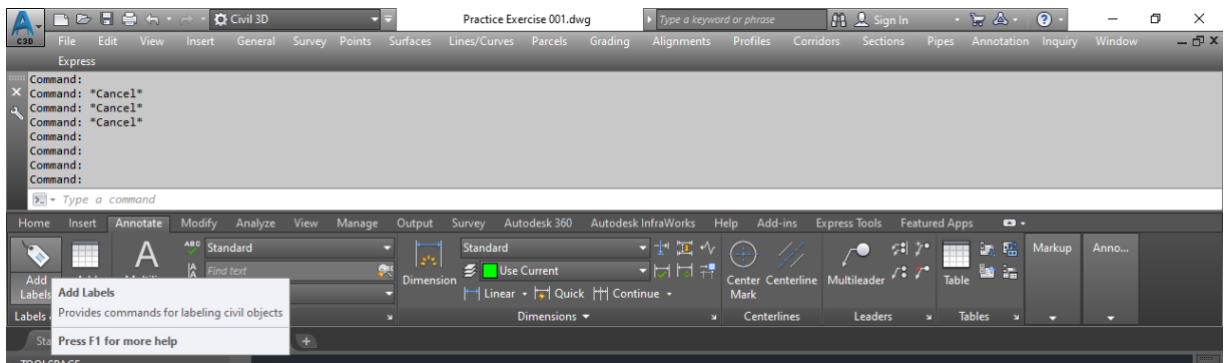
11. Select the Raw Desc Matching tab, select GS*, and click OK.
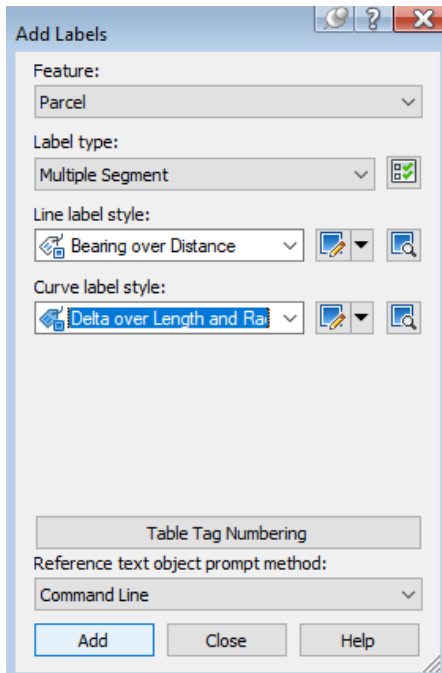

The drawing should look like this:

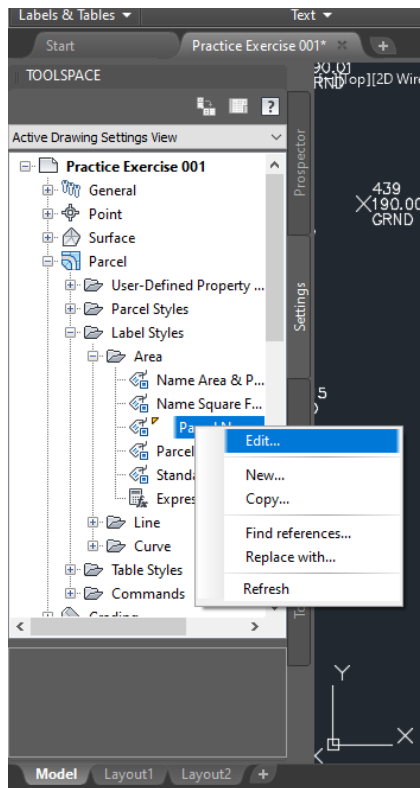12. Select the Annotate tab of the ribbon bar and click Add Labels.

13. Change the Feature to Parcel, Label Type to Multiple Segment, and Line Label Style to Bearing Over Distance. Click Add and then select the area label for the parcel and choose Clockwise.
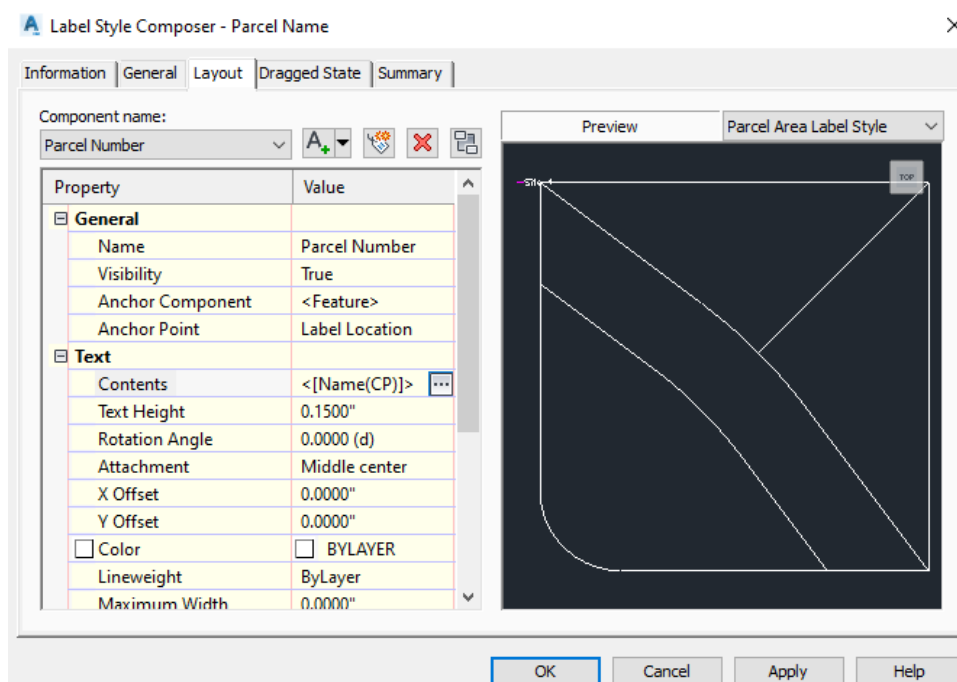

The bearing and distance for the segment between FND 2 and FND 3 should appear like this:
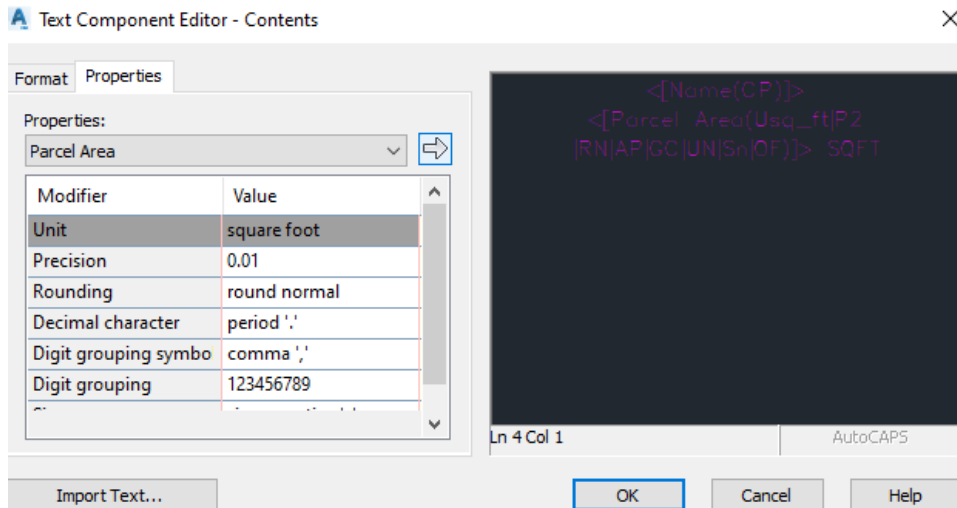
14. Navigate to the Settings tab of the Toolspace. Expand Parcel and Label Styles. Right-click on the label style in the Area folder with the gold triangle and choose Edit.
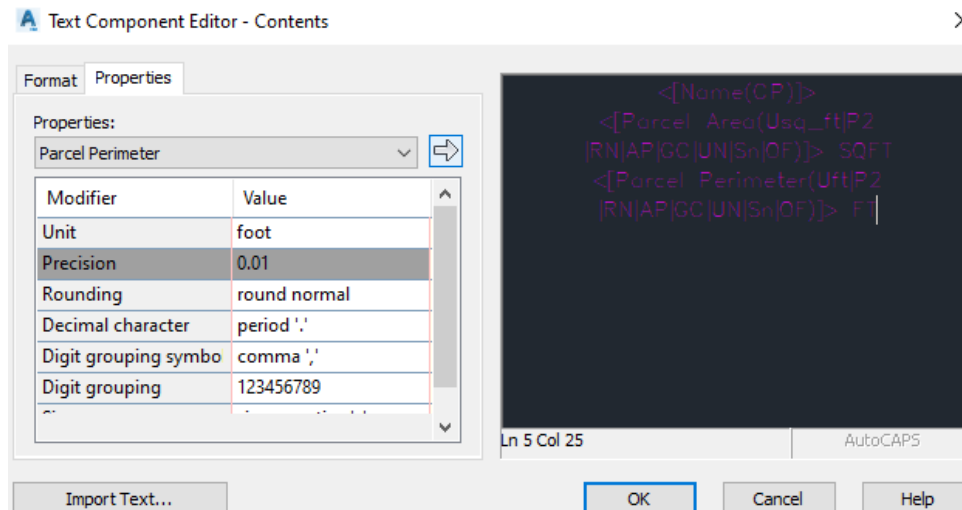

15. Select the Layout tab. Under Text, select Contents and select the ellipses next to the name.

16. In the Properties tab of the Text Component Editor, select the Parcel Area drop-down menu and add Parcel Area content by clicking the arrow. Make sure precision is set to 0.01 and add SQFT after the content.
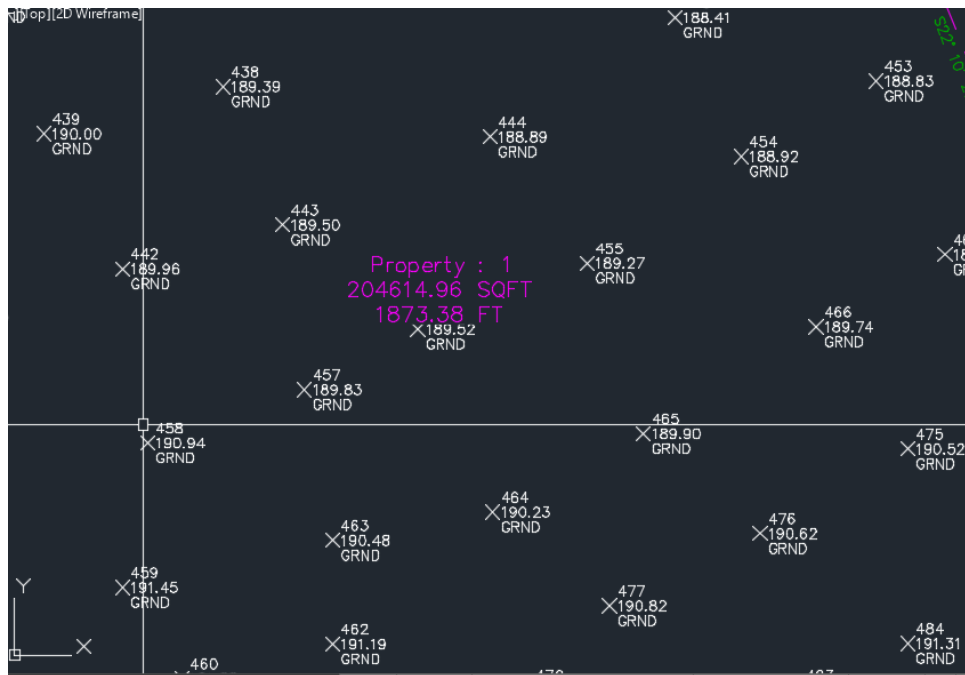

17. Select the Parcel Perimeter drop-down menu and add Parcel Perimeter content by clicking the arrow. Make sure precision is set to 0.01 and add FT after the content.

18. Click OK in the content window.
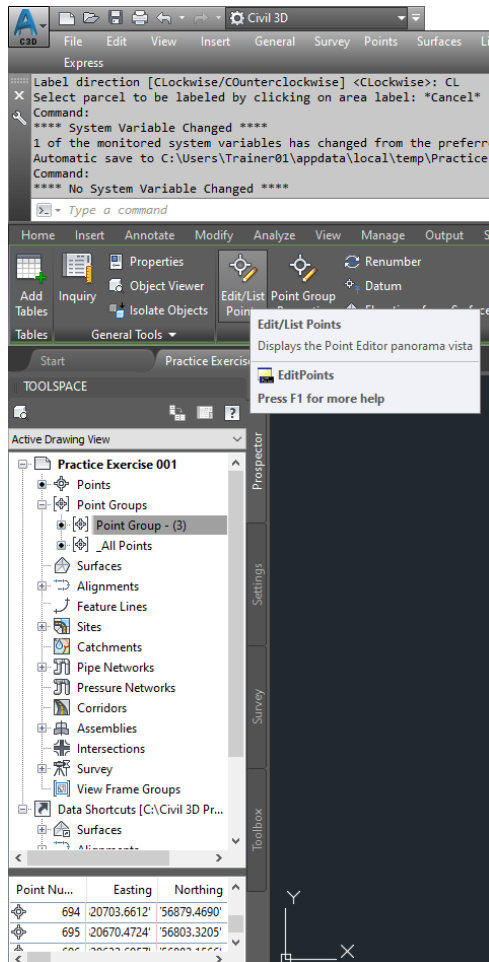
19. Click OK in the Style Composer.

Your area label should look like this:

20. Navigate to point 690. It should display like this:

21. You can also right-click your GS* point group and choose the Select option. Then, in the contextual ribbon bar click Edit/List Points.

22. The Panorama window opens, allowing you to navigate to point 690 to get the elevation.

ANSWERS

What is the bearing and distance between FND 2 & FND 3?

Bearing: N71°53'58.82"E

Distance: 345.54'

What is the area of the parcel? 204614.96 SQFT

What is the perimeter of the parcel? 1873.38 FT

What is the elevation of point #690? 177.08