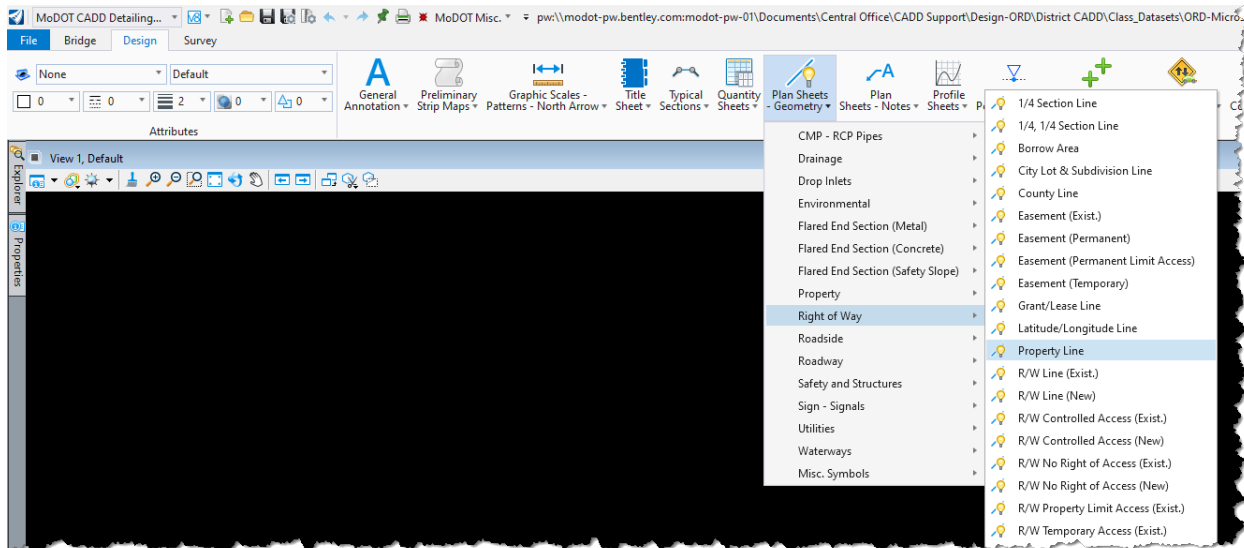# Bearings Angles and Accudraw

Open the file **bearings_angles_lab.dgn** under your User folder.
Review the last sheet in the exercise. This is what you will be drawing and detailing.
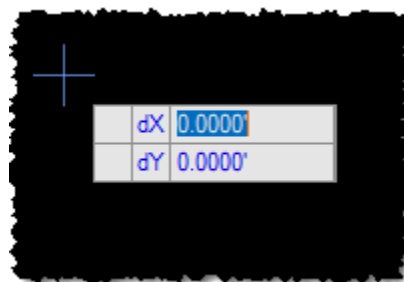
Go to the **MoDOT CADD Detailing Standards** workflow and select the **Design** Ribbon, and under **Plan Sheets – Geometry,** select **Right of Way > Property Line.** This will set up the MoDOT standard element attributes for property lines for creating the parcels as shown on the last sheet of this exercise.

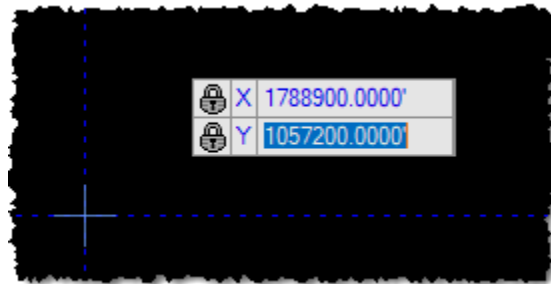Toggle on **Civil Accudraw** and invoke the **DX DY** option in the toolbox.

On the end of your cursor, you will see the dynamic dialog box for the DX DY option.
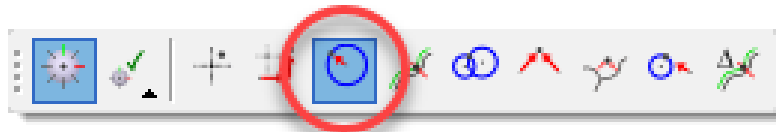
Type in the coordinate in the highlighted **DX (1788900)** field and click **Enter** to accept and lock in that value. Do the same for the **DY (1057200)** field.

This will begin the first point of the property line to be drawn. **Left click** to accept that starting point.
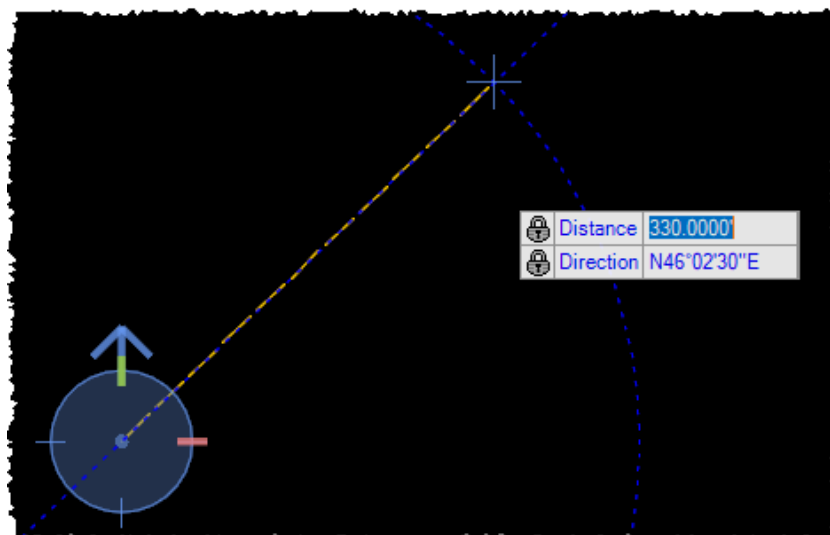

DO NOT RESET THE LINE TOOL YET.
YOU NEED TO FINISH CREATING THE LINE.

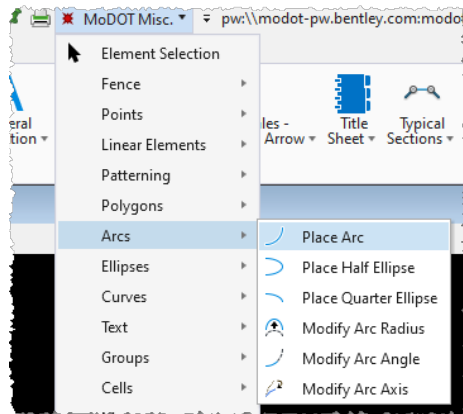Change the Civil Accudraw method to the **Distance-Direction** option.

Type in the distance in the highlighted **Distance** field and click **Enter** to accept and lock in that value. Do the same for the **Direction** field. Once both fields are locked, **left click** to accept to draw the parcel line.
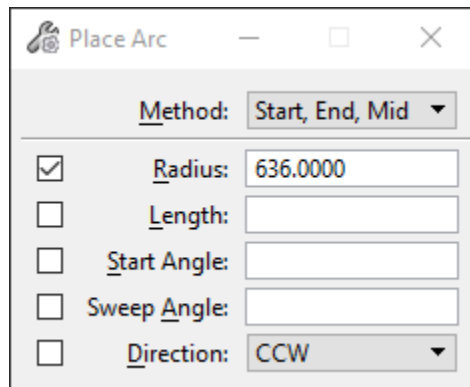
Use the same Civil Accudraw method (**Distance-Direction**) and complete the rest of the property lines that is on the last sheet of this exercise.

After the property lines have been created, we need to create a couple of arcs.

Select the **Arc** tool (*there are several different ways to get to the Arc Tool*). If you want to stay in the MoDOT CADD Detailing Standards Workflow just select the Arc Tool from the MoDOT Misc. pulldown.

Pick the method of **Start,End,Mid** from the Place Arc dialog box and also input the radius of **636'** and hit **Tab** or **Enter** on the keyboard to lock that radius in.

Snap to one corner of the slanted line and accept it. Now move your cursor in the direction you want the curve to be created. Now snap to the other end of the chord and accept it. Repeat this process for the 157' arc.

You are finished with this exercise. There is no need to dimension this exercise.

147'-0"
S45°0'0"W

406'-0"
N45°0'0"W

319'-6"
S45°0'0"W

406'-5.33"
S42°19'14.25"E

166'-0"
N45°0'0"E

407'-0.85"
N40°50'39.07"W

330'-0"
N45°0'0"E

R 636'-0"

656'-0"
S0°48'15.03"W

R 157'-0"

147'-6"
N20°48'15.24"E

88'-2.1"
N50°6'0.9"W

330'-0"
N46°2'30.13"E

X=1788900
Y=1057200