

LAB 14 - Annotation of Closed Parcels

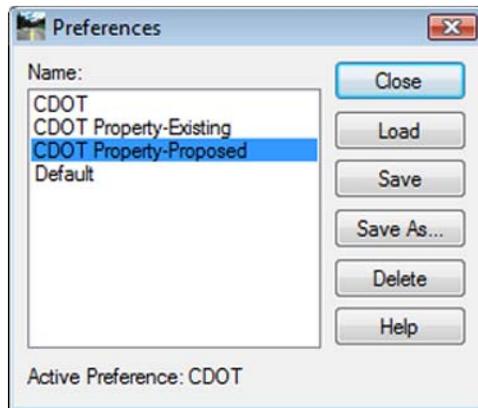
Parcel information can be annotated in the MicroStation drawing using InRoads geometry commands.

Chapter Objectives:

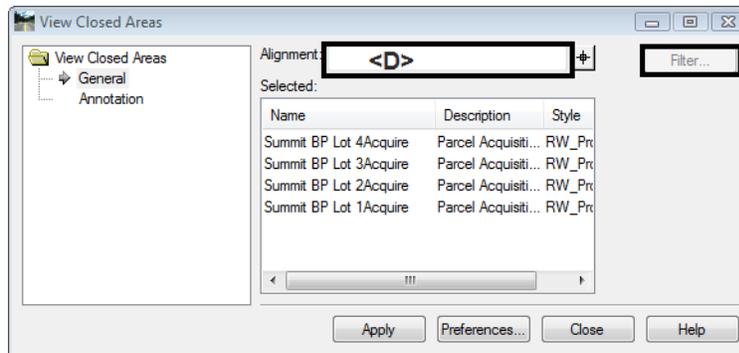
- Annotate traverse information

The InRoads command used for this exercise is located on the **Geometry > View Geometry** menu.

1. Select **Geometry > View Geometry > Closed Areas**
2. <D> the **Preferences** button.
3. Load the settings for proposed parcels.

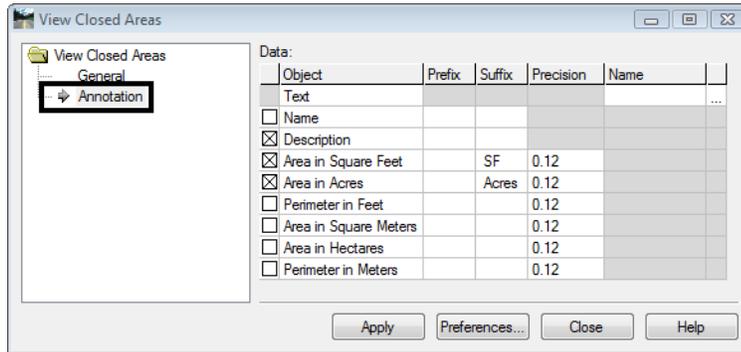


4. Define the acquisition parcels for annotation. Use the filter to select the alignments. Enter a data point in the **alignment** field and the filter button activates.



- 5.

- Toggle **On** the desired information in the **Annotate** section, <D> **Apply**



- Repeat steps 2-5 for the Remainder parcels using the Property-Existing Preference.



- Toggle on **all** the **Annotate** radio buttons, <D> **Apply** - the graphics refresh.

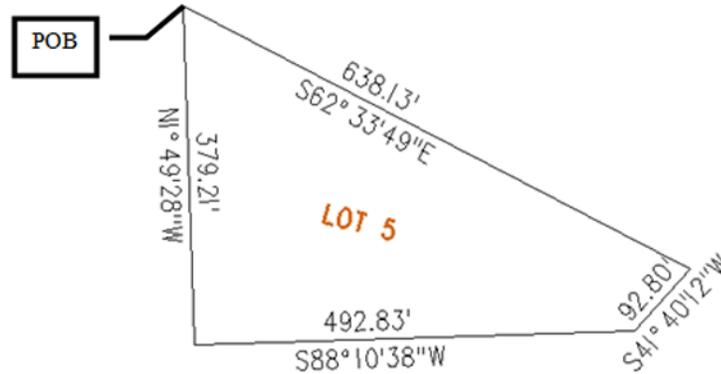
Summit BP Lot 4Rem
Parcel Remainder
209096.61 SF
4.80 Acres
1995.10 Perimeter

Note:

- ◆ There are saved preferences in the **View Closed Area** dialog for existing vs. proposed annotation
- ◆ The number of decimal places, prefix, and Suffix annotation can be input by the user.

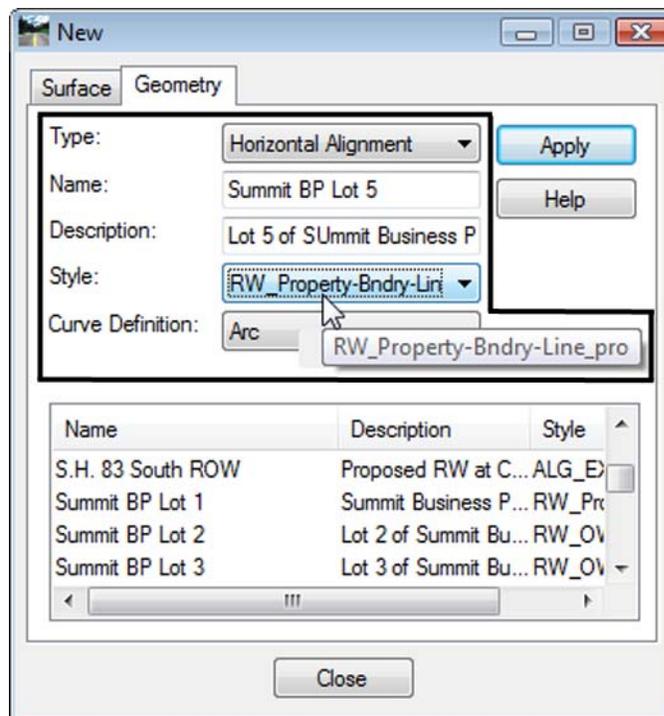
Challenge Exercise – Transforming a parcel

Use the **TravEdit** command to generate a parcel (alignment) for lot 5 of Summit Business Park. The graphic below shows the required courses to create said parcel. Once created, use the **Transform** command to move and rotate the parcel so that the NE line of Lot 5 coincides with the SW line of Lot 4.



Create a Horizontal Alignment to store Lot 5.

1. Select **File > New > [Geometry] – Horizontal Alignment**



2. Select **Geometry > Utilities > Traverse Edit**

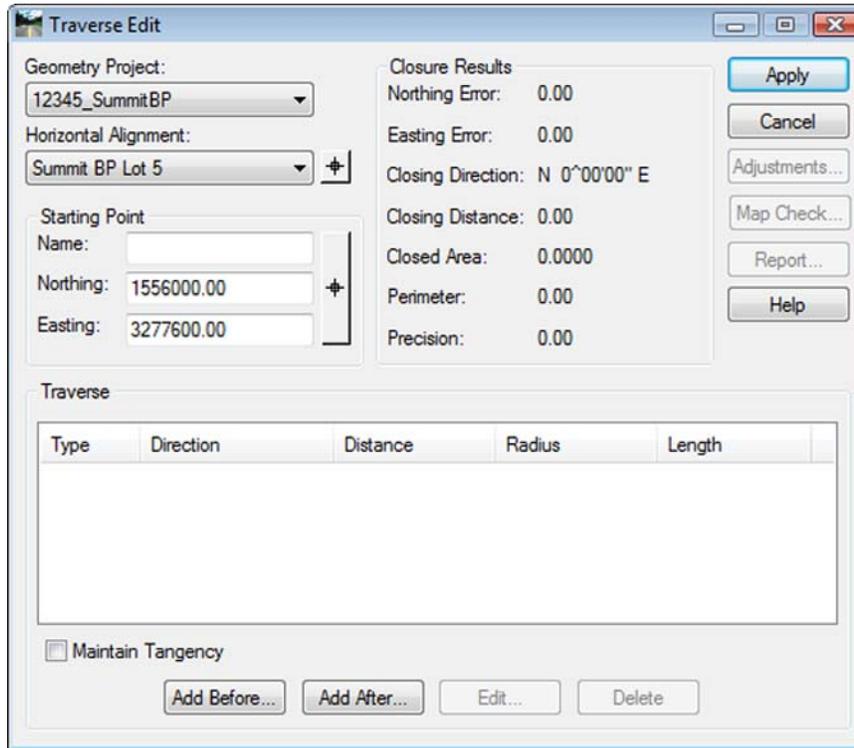
Assume a starting location (this may be based on a call-out, existing geometry point, or an assumed location).

Key-in a Starting Point of: - **DO NOT INPUT COMMAS**

N = **1,556,000.00**

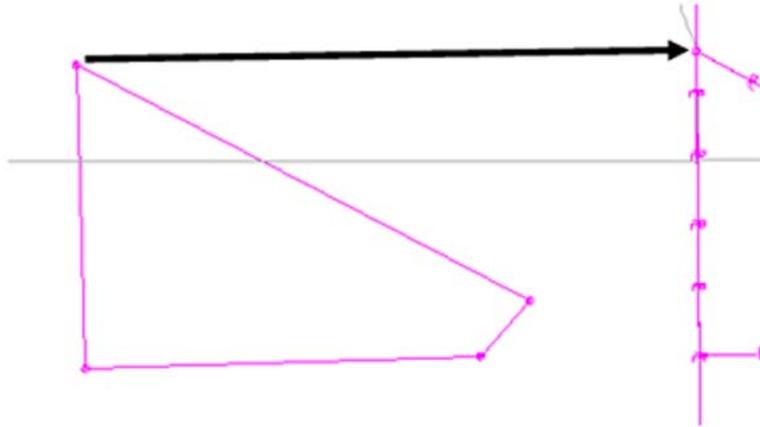
E = **3,277,600.00**

Enter clockwise courses beginning with the NW corner of Lot 5.



3. Select **Add After** and input:
S 62-33-49 E, 638.13
S 41-40-12 W, 92.80
S 88-10-38 W, 492.83
N 01-49-28 W, 379.21

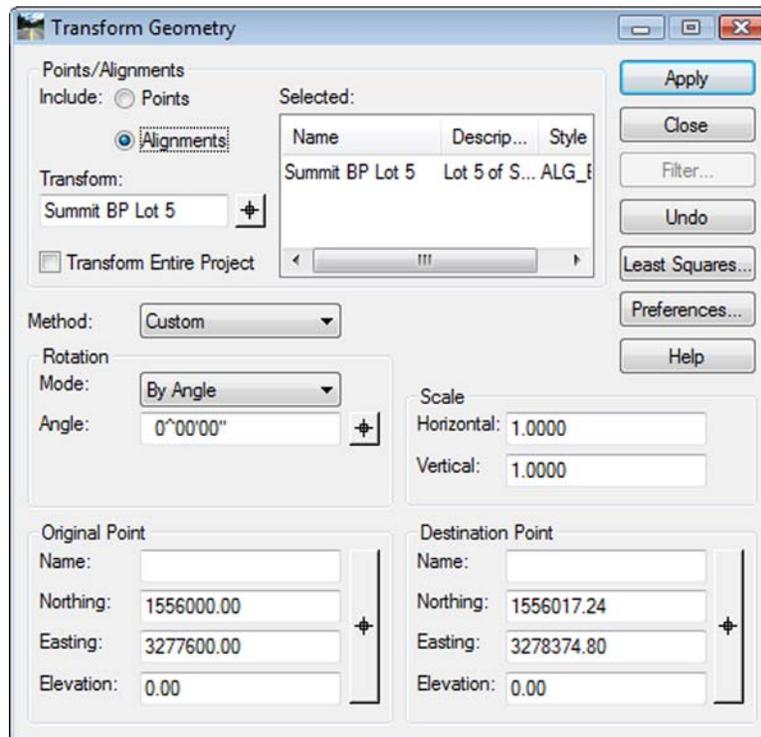
4. <D> **Apply** to create the parcel once all courses have been entered and verified by reviewing the closure results.



The parcel is created to the west of the true location. It also has a slight rotation.

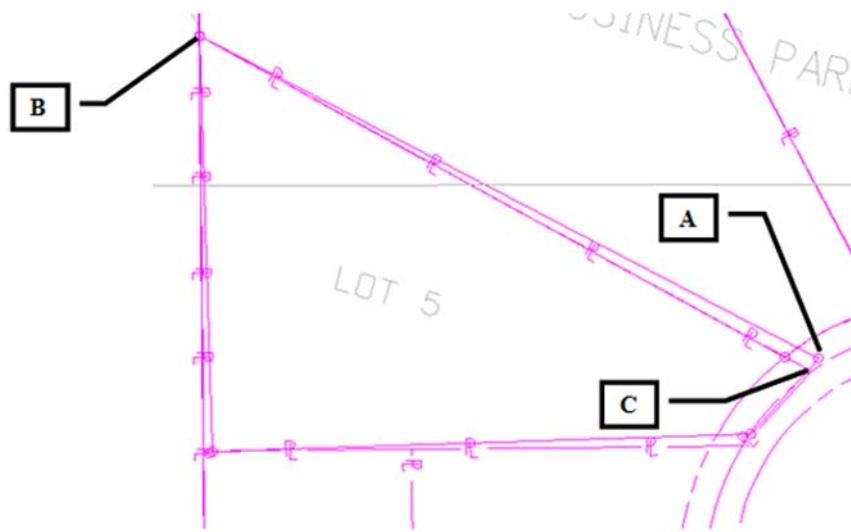
Use the **Transform** command to relocate and rotate the parcel. Do so in 2 steps. First move the parcel, and then rotate it to align with Lot 4.

5. Select **Geometry > Utilities > Transform**



6. **Identify** the Alignment to transform
7. Identify the *coordinate values for both the Original & Destination Points*

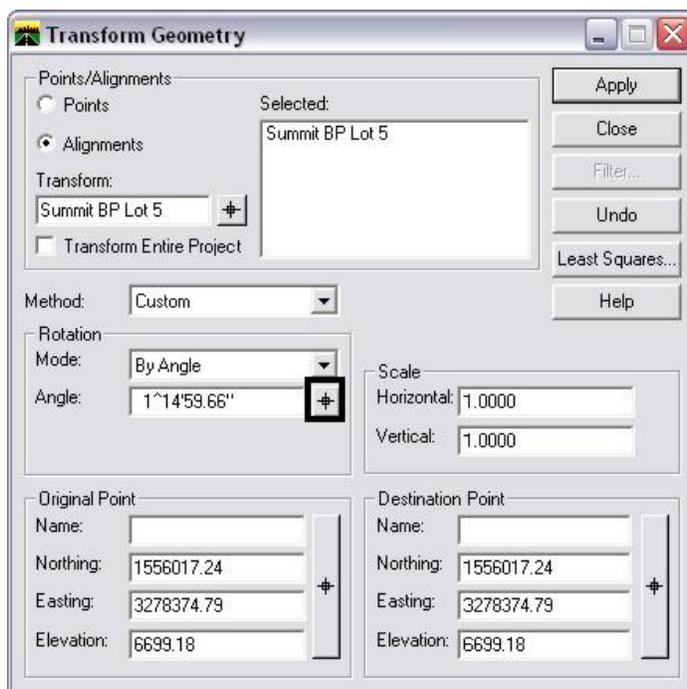
8. <D> Apply



The parcel is relocated but a rotation is evident.

Continuing to use the transform dialog.

9. Set the **Original Point** and **Destination Point** to the **same value** (the point to rotate about)
10. Identify the **value of rotation required** by key-in or by using the selection icon to graphically pick points A, B, & C shown above to define the rotation angle.



11. <D> Apply

The parcel (alignment) is transformed.



Important! Verify the results with reports, display, annotation, or other means.

Note: Relocating and rotating the parcel could have been accomplished in a single operation if so desired

