

# LAB 14 - Annotation of Closed Parcels

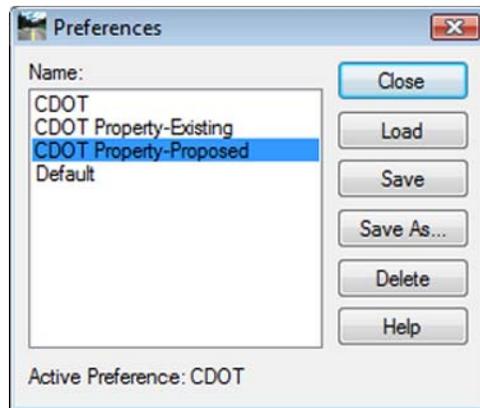
Parcel information can be annotated in the MicroStation drawing using InRoads geometry commands.

## Chapter Objectives:

- Annotate traverse information

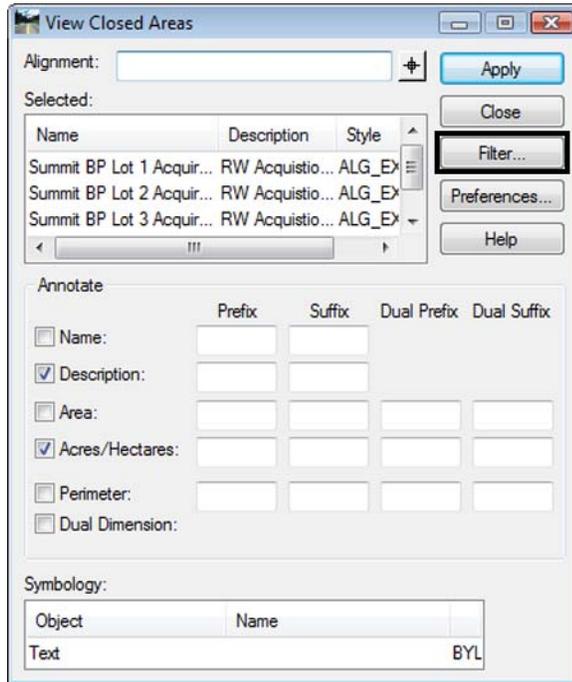
The InRoads command used for this exercise is located on the **Geometry > View Geometry** menu.

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

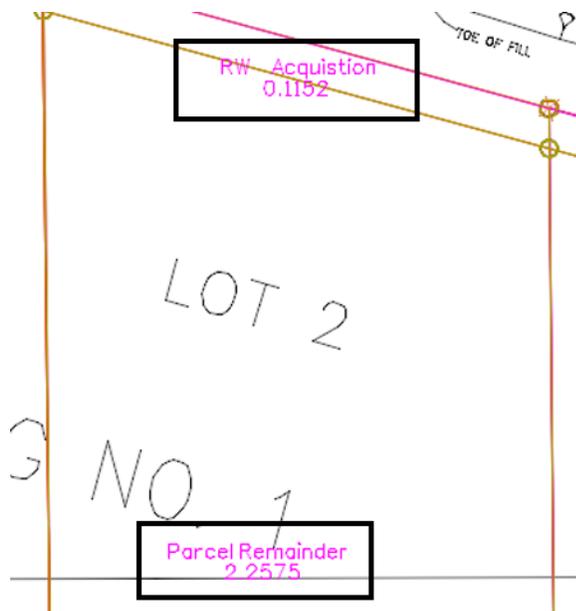


4. Define the acquisition parcels for annotation (use the filter).

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



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

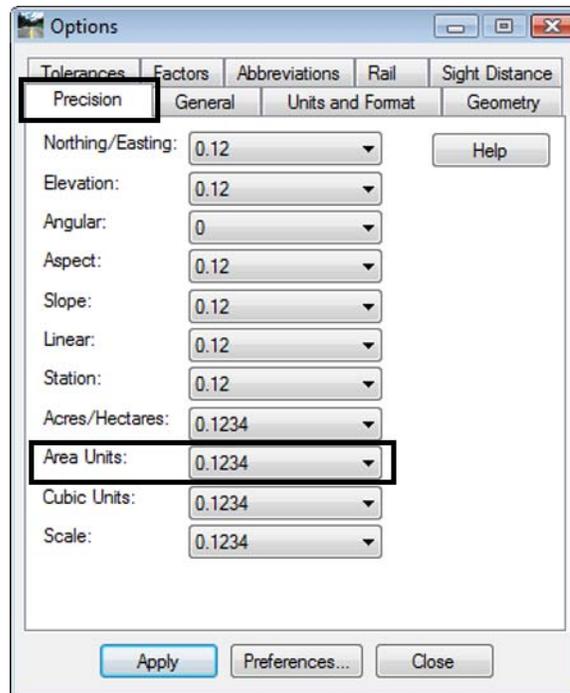


7. Toggle on **all** the **Annotate** radio buttons, <D> **Apply** - the graphics refresh.

Summit BP Lot 4Rem  
Parcelremainder  
209096.61 Sq. Ft. ( 19425.79 Sq. M. )  
4.8002 Acres ( 1.9426 Hectares )  
1995.10 FT. ( 608.11 M. )

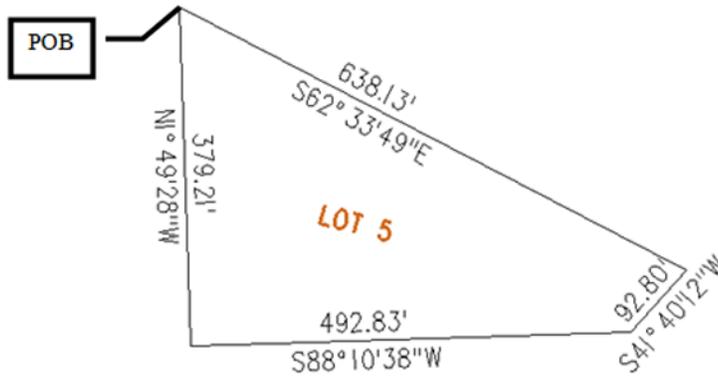
**Note:**

- ◆ Annotation will only be applied to alignments that are closed. Parcels that have closure errors are ignored
- ◆ There are saved preferences in the **View Closed Area** dialog for existing vs. proposed annotation
- ◆ The number of decimal places carried out in the annotation is controlled by **Tools > Options** on the **Precision** tab
- ◆ Selecting the **Dual Dimension** radio button will annotate in both square feet and square meters



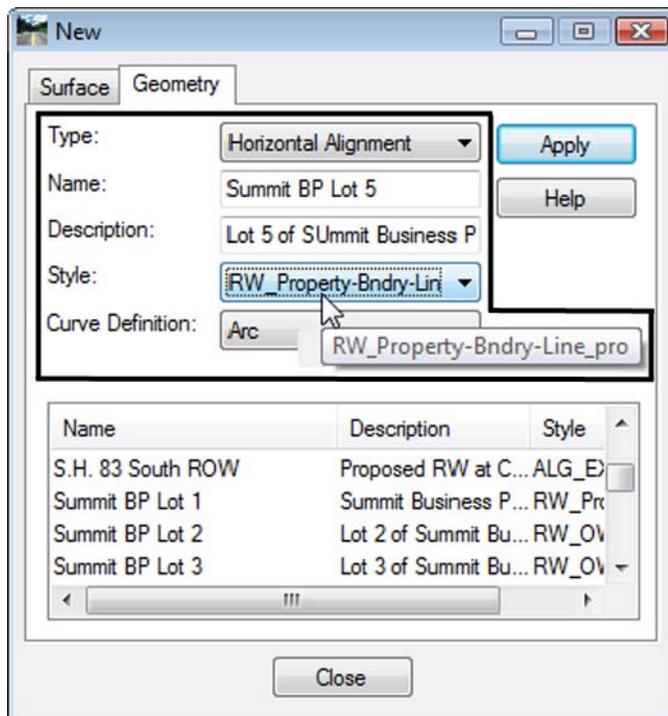
**Challenge Exercise – Transforming a parcel**

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.

Traverse Edit

Geometry Project: 12345\_SummitBP

Horizontal Alignment: Summit BP Lot 5

Starting Point

Name:

Northing: 1556000.00

Easting: 3277600.00

Closure Results

Nothing Error: 0.00

Easting Error: 0.00

Closing Direction: N 0°00'00" E

Closing Distance: 0.00

Closed Area: 0.0000

Perimeter: 0.00

Precision: 0.00

Traverse

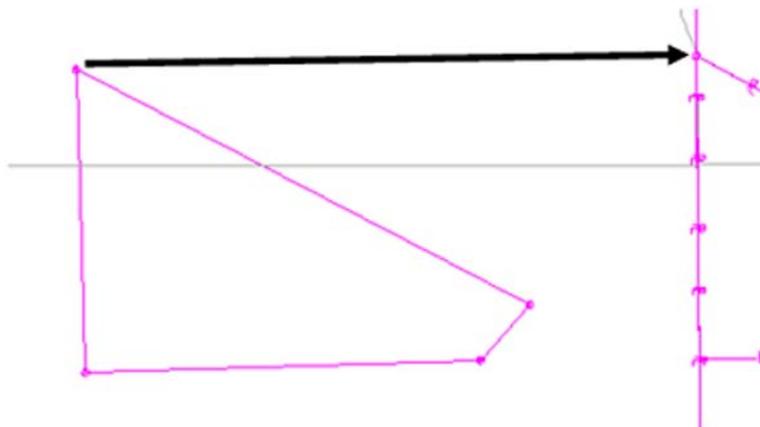
Type	Direction	Distance	Radius	Length
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Maintain Tangency

Add Before... Add After... Edit... Delete

Apply Cancel Adjustments... Map Check... Report... Help

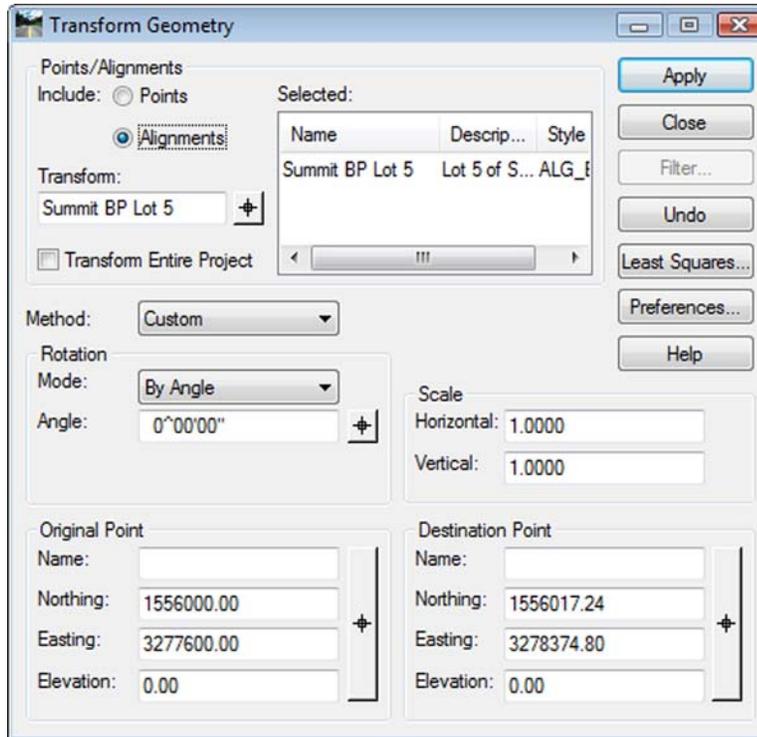
3. Select **Add After** and input:
  - S 62-33-49 E, 638.13**
  - S 41-40-12 W, 92.80**
  - S 88-10-38 W, 492.83**
  - N 01-49-28 W, 379.21**
4. <D> **Apply** to create the parcel once all courses have been entered and verified by reviewing the closure results.



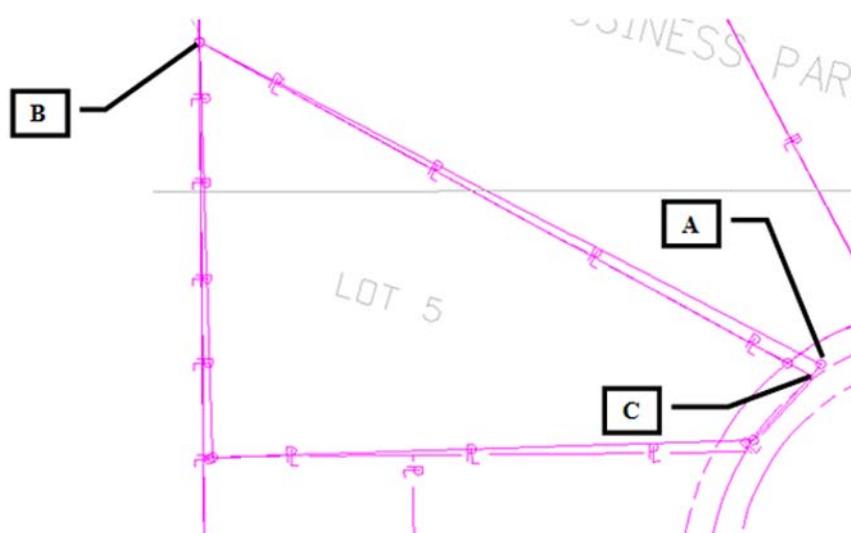
The parcel is created to the west of the true location. It also has a slight rotation.

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**



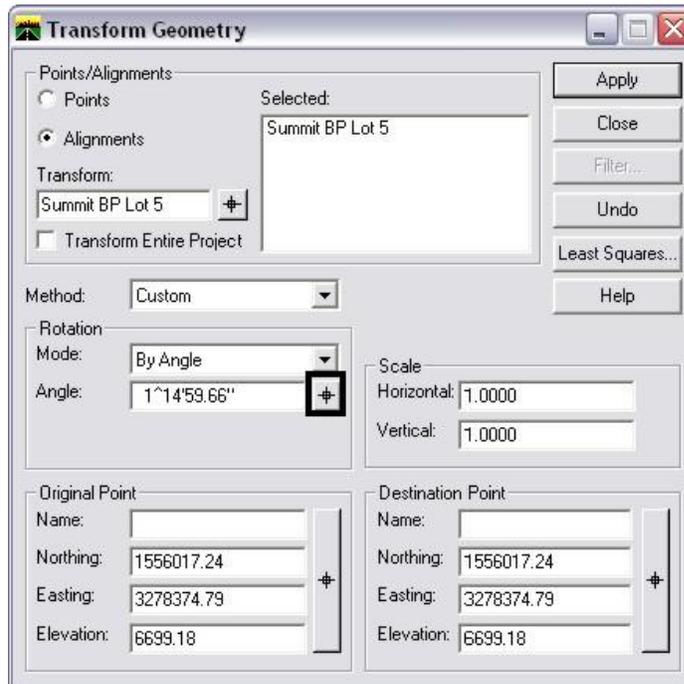
6. **Identify** the Alignment to transform
7. Identify the *coordinate values for both the Original & Destination Points*
8. **<D> Apply**



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

