# LAB 12 - Parcel Creation by Deed

Lot number 1 lies at the Northeast corner of the Summit Business Park plat. Right of way acquisition will occur along the northerly limits of the plat. A parcel needs to be created from the deed information for lot 1.

Chapter Objectives:

- Create a closed parcel
- Use Traverse Edit Add-In application
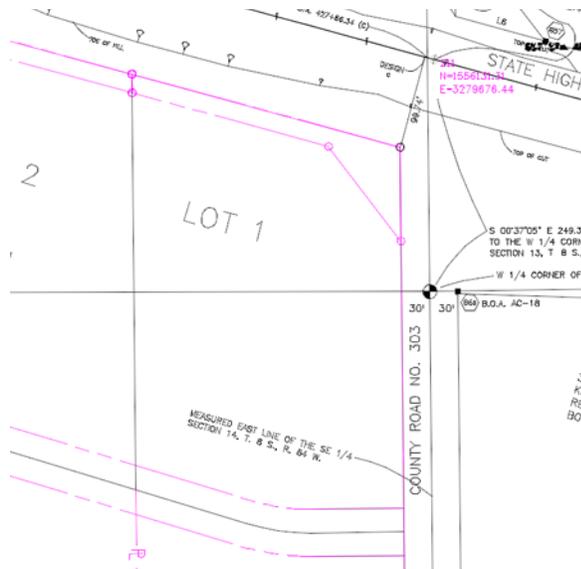
To create the parcel (closed alignment) for lot 1, the InRoads command **Geometry > Traverse** could be used. Another solution is to use the Traverse Edit command. Traverse Edit is another Application ADD-In command and must be enabled. In addition to allowing traversing, the traverse edit command reports on parcel closure and provides adjustment commands.

1. Using *InRoads*, select: **Tools > Application ADD-Ins…**

2. Toggle **On** the *Traverse Edit Add-in*

3. **<D> OK**
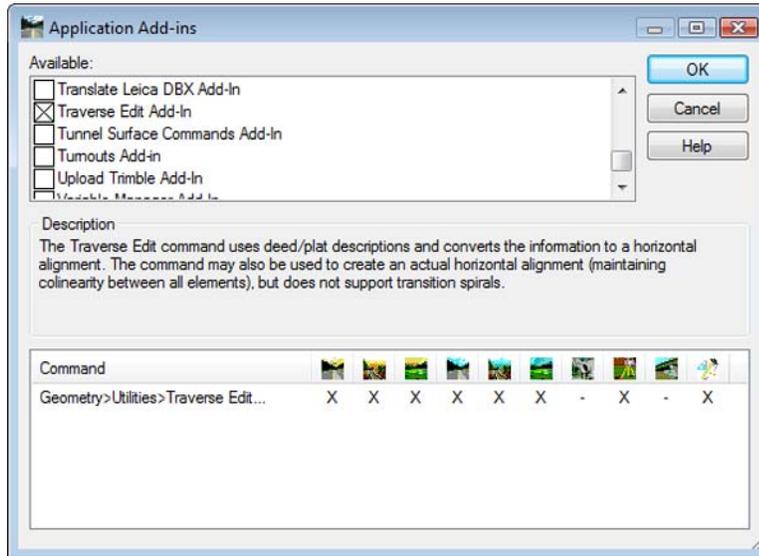
> **Note:**   Before using the Traverse Edit command, create an alignment to store Lot
>   number 1.

4. **File > New > [Geometry]**, Select the Geometry tab and input:

5. *Type:* **Horizontal Alignment**

6. *Name:* **Summit BP Lot 1**

7. *Description:* **Lot 1 of Summit Business Park**

8. *Style:* **RW_Property-Bndry-Line_ex**

9. **<D> Apply**
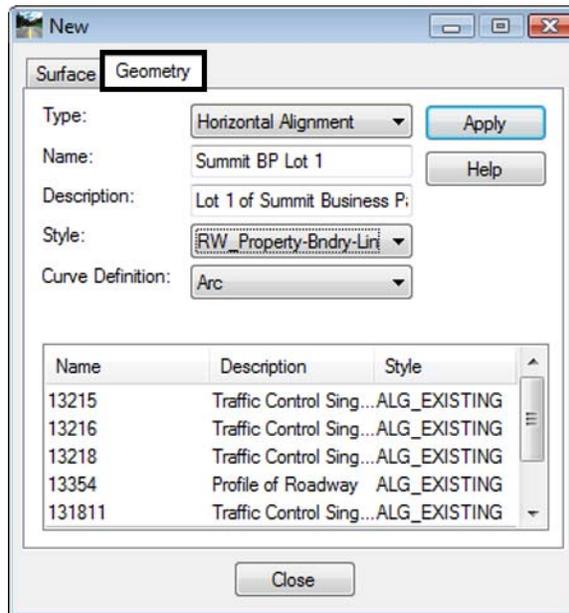
10. Select **Geometry > Utilities > Traverse Edit** to open the Traverse Edit dialog box.

11. Set the fields for the ***Geometry Project*** and ***Horizontal Alignment***.

12. Key-in : ***301*** for the ***Starting Point*** (Cogo point 301 is located at the NE corner of lot 1).
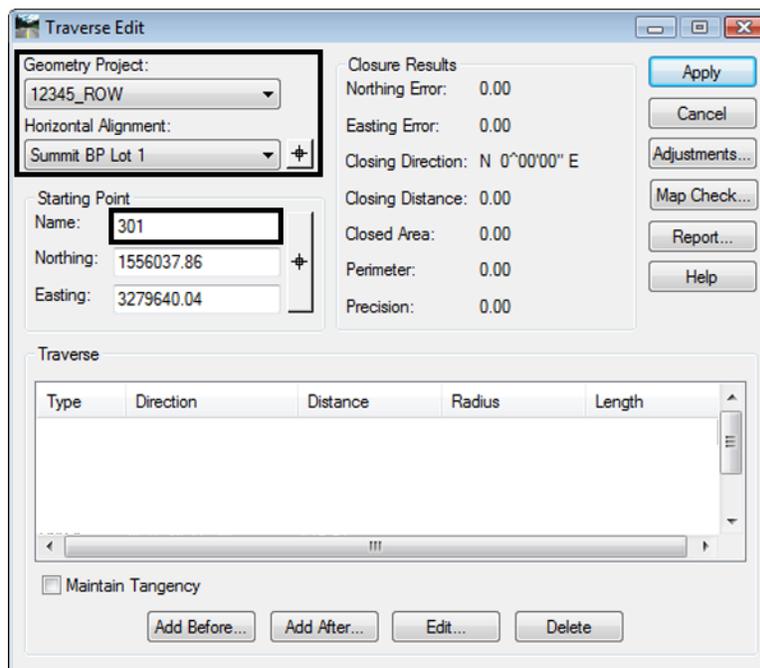
13. ***Lot 1 is described as:***

Commencing at the West ¼ corner of Section 13, Township 8 South., Range 64 West. Thence along said section line N 0-37-05 W, 154.14 feet. Thence departing from said section line S 89-22-55 W, 30.00 feet to the westerly right-of-way line of County Road 33 and the Point of Beginning.

1. Thence S 0-36-32 E, to the northerly right of way line of Summit Business Park Road, 384.92 feet.

2. Thence along said right of way line, S 89-23-57 W, 98.15 to a point of curvature.

3. Thence N 81-49-50 W, 64.65 feet along the chord of said curve, having a 200.00' radius to the right.

4. Thence N 73-03-36"W, 129.63 feet. Thence departing from Summit Business Park Road, N 0-34-22 W to the southerly right of way line of S.H. 86, 416.94 feet.

5. Thence along said right of way line, S 74-45-58 E, 296.65 to the point of beginning.
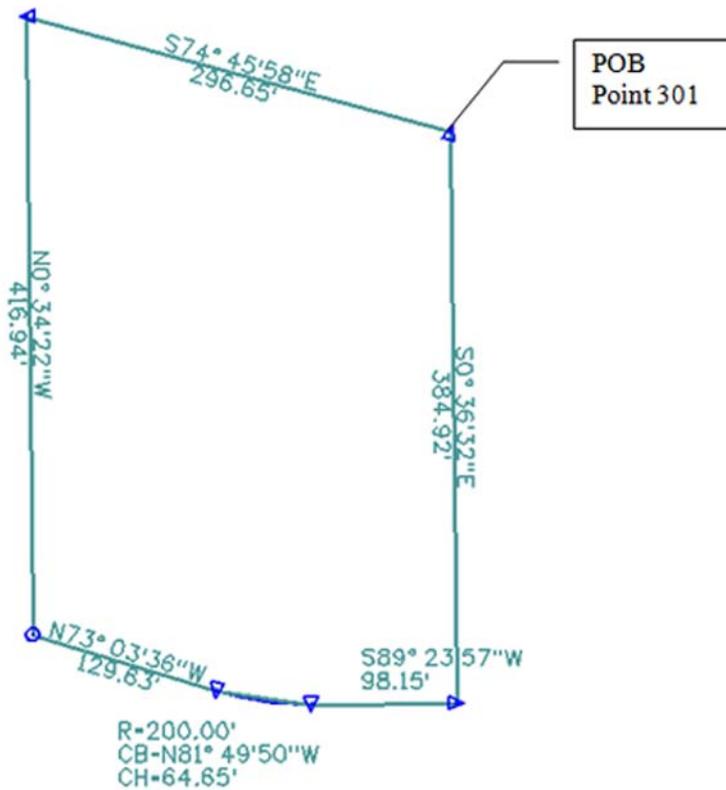
14. **<D>** the **Add After** button on the Traverse Edit dialog.

15. Set *Type: **Linear***

16. Input the **Direction** and **Distance** for the first course as shown.
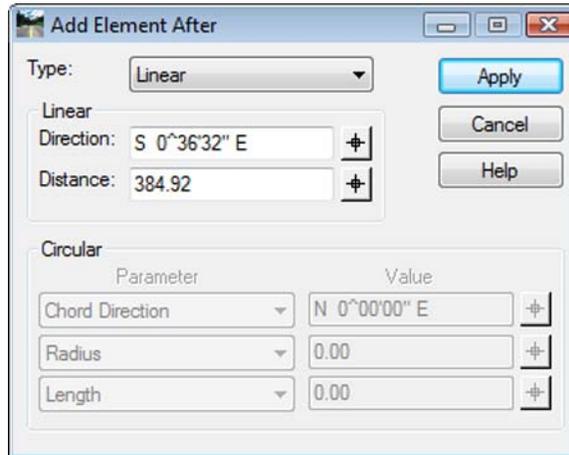
17. **<D> Apply** - the course is added to the alignment.
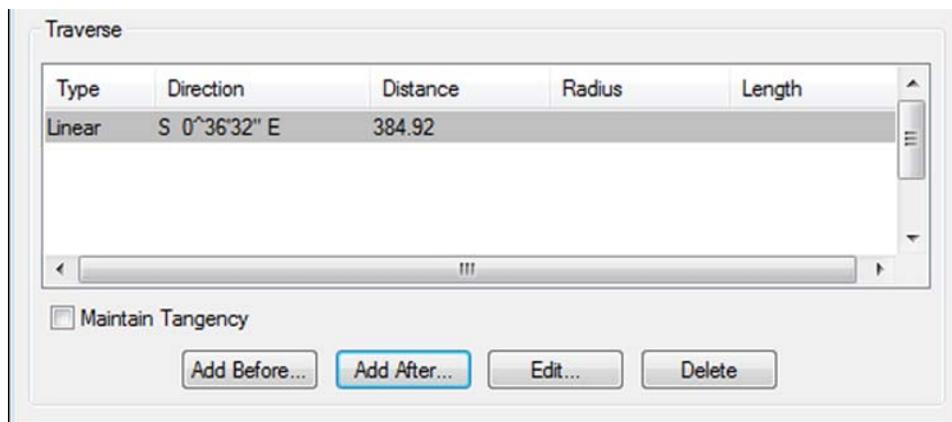
18. *Input* the second Course.
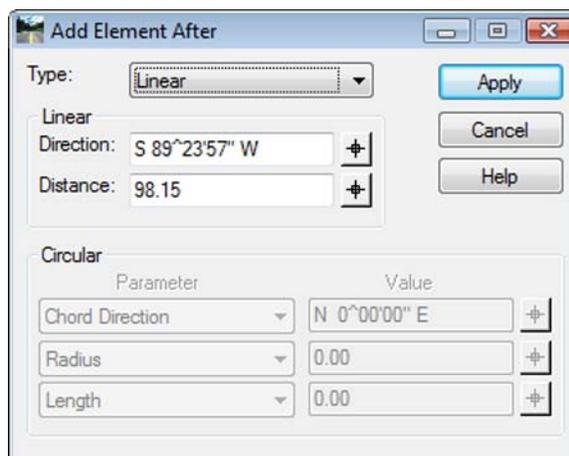
19. **<D> Apply** - the second course is added to the alignment.
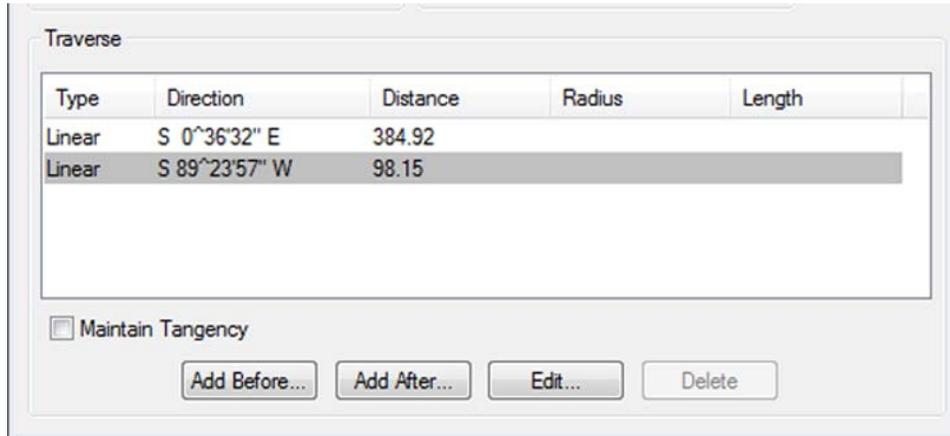
20. *Input* the third course – change *Type:* **Circular**
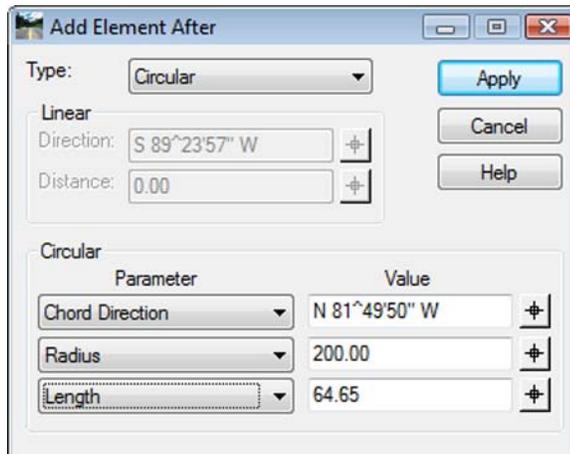
21. **<D> Apply** - the third course is added to the alignment.

> **Note:** As courses are entered, the parent dialog displays closure results.

22. **Input** the fourth course and **<D> Apply**

23. *Input* the fifth course and **<D>** **Apply**

24. *Input* the sixth and final course and **<D>** **Apply**

25. Review Closure Results in the parent dialog.

26. **<D> Apply** to create the alignment.

> ***Note:*** The Report button on the dialog can be used to summarize the alignment. The report can be written to a text file.
>
> The Adjustments button on the Traverse Edit dialog is dithered. If the alignment contains circular elements, adjustments are not enabled.

Challenge Lab:

♦   Edit the record containing the curve by **<D>** on it and selecting **Edit**

♦   Change the record type to **Linear**

♦ Input the chord Direction and an incorrect chord distance, **<D> Apply**
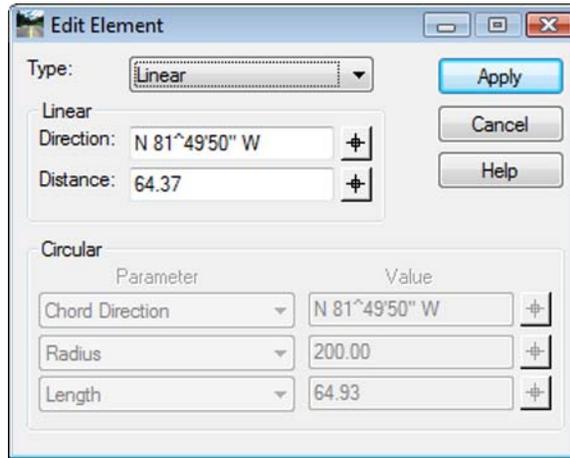
♦ **Close** the *Edit Element* dialog

♦ **<D>** on the *Adjustments* button
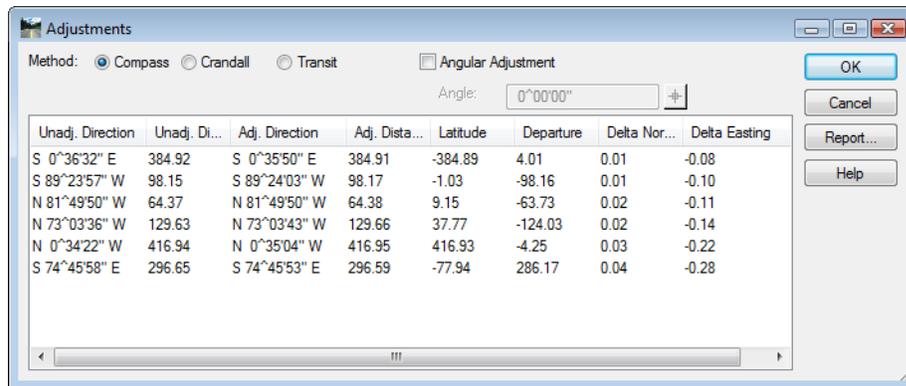
Select the appropriate Method

<D> OK to apply the selected adjustment

Note: The columns for Unadjusted and Adjusted values. As the various radio buttons for method are selected, the adjusted values update providing a preview of potential solutions.