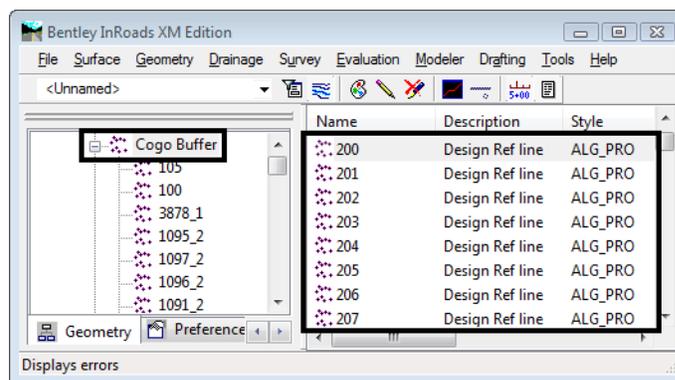


# LAB 6 - Reviewing Cogo Points

This lab demonstrates that Cogo points can be reviewed in the InRoads feedback pane and then exported to a text file.

## Chapter Objectives:

- Review Cogo points in the feedback pane of the InRoads interface
  - Save Cogo points stored in the Geometry Project to a simple text file
1. **Open** the MicroStation design file  
*C:\Projects\12345\ROW\_Survey\Drawings\Reference\_Files\12345ROW\_Model.dgn*
  2. **Open** the Geometry Project  
*C:\Projects\12345\ROW\_Survey\InRoads\Geometry\12345\_ROW.alg* that was created in the earlier lab.
  3. From the Geometry Workspace pane <R> on the Geometry Project name *12345\_ROW* and select **Set Active** from the fly-out menu.
  4. In the Geometry Workspace pane review the Cogo Buffer to verify the results by <D> on the **Cogo Buffer** then reviewing the **Feedback pane**.



**Note:** Cogo points can be assigned either numbers or names. When alpha characters are used, names are case sensitive; RL\_10 is not the same point as rl\_10.

5. <D> on the **column** headers **Name** | **Northing** to sort the cogo points in ascending and descending order.
6. <D> **hold and drag** a column header to reorder the columns.

7. From the pull down menu select **Geometry > Review Geometry Points** the Review Geometry Points dialog will appear.

Review Geometry Points

Mode:  Alignment: C\_Centerline  All Points

Apply Close Report... Help

Point

Name: 100

Description: Section Corner

Style: T\_Section Corner

Northing: 1558457.41

Easting: 3269295.23

Elevation: 6654.37

Synchronize Shared Point Elevations

Point Type	Alignment
COGO	

First < Previous Next > Last

8. In the *Name* field key-in **200** then the **Tab** key the dialog will display the cogo point information.

Review Geometry Points

Mode:  Alignment: C\_Centerline  All Points

Apply Close Report... Help

Point

Name: 200

Description: Design Ref line

Style: ALG\_PRO

Northing: 1558452.21

Easting: 3268628.62

Elevation: 0.00

Synchronize Shared Point Elevations

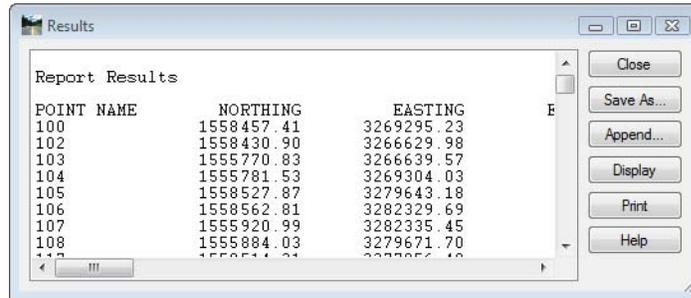
Point Type	Alignment
COGO	

First < Previous Next > Last

**Note:** This dialog can be used to evaluate individual Cogo points (or named geometry points) by navigating with the provided buttons.

9. <D> the **Next | Previous | First | Last** buttons to navigate the cogo points stored in the cogo buffer.

10. <D> the **Report** button the Results dialog will appear with all the cogo points listed.



**Note:** This Results dialog will list both Cogo points and named geometry points (named alignment vertices not stored as Cogo points). This is signified by the name of the command used to generate this report Review Geometry Points, not Cogo points. Named geometry points are not written to the Cogo buffer automatically. However they are reserved.

11. <D> the **Save As** button the Save As dialog will appear.
12. Path to the folder *InRoads\Geometry*
13. Key-in the file name *GeoPoints.txt*
14. <D> the **Save** button the file will be stored and the dialog will be dismissed.
15. <R> on the Geometry Project name *12345\_ROW* from the pop up menu <D> **Save**

### Chapter Summary:

- In this lab Cogo points were reviewed in the feedback pane and sorted by their column headers.
- Also the Cogo points were exported to a point list that could be opened in Notepad

