

2019 PLS-CADD Advanced Training and User Group

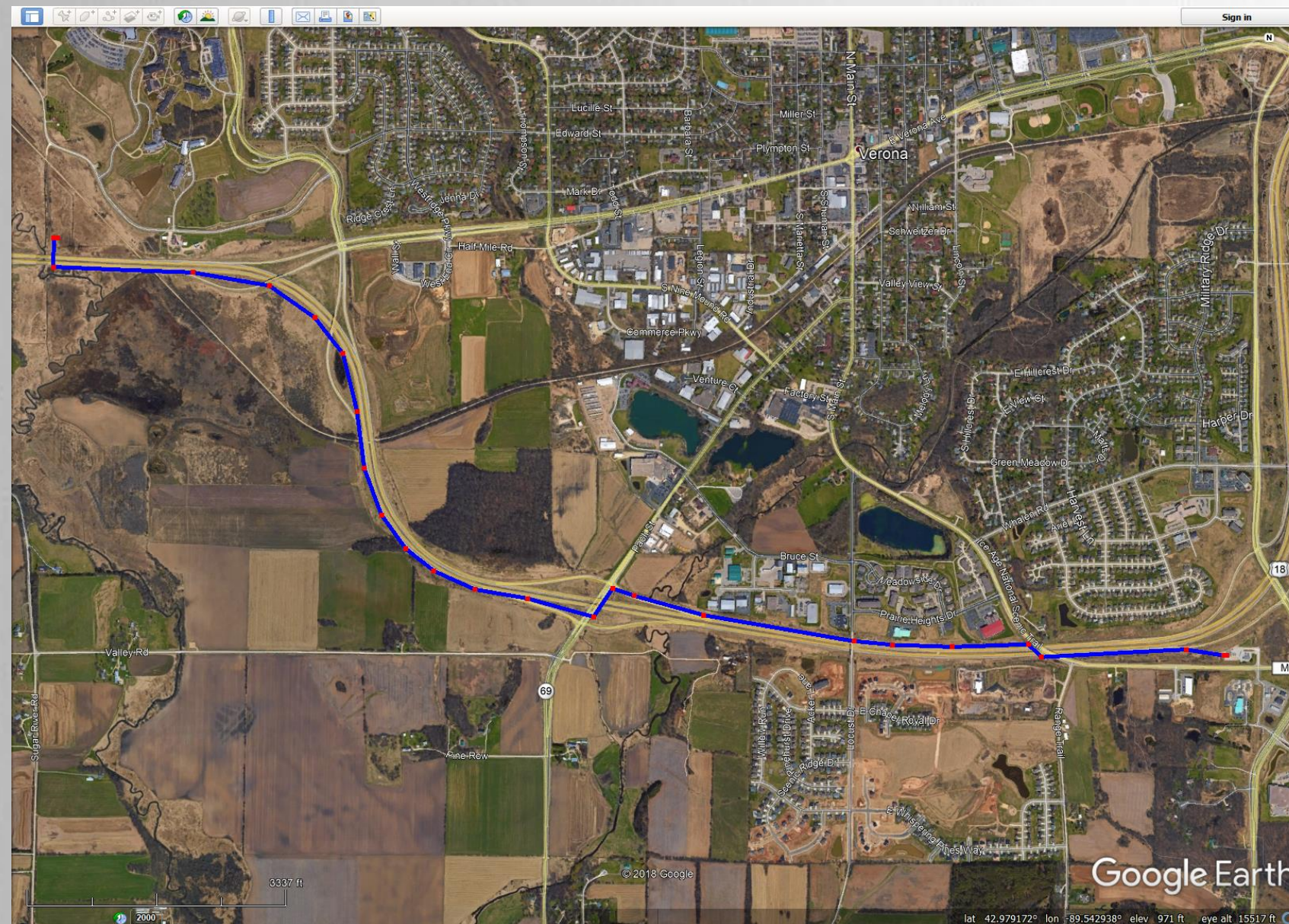
Overhead Line Optimization Start to Finish

by

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Power Line Systems

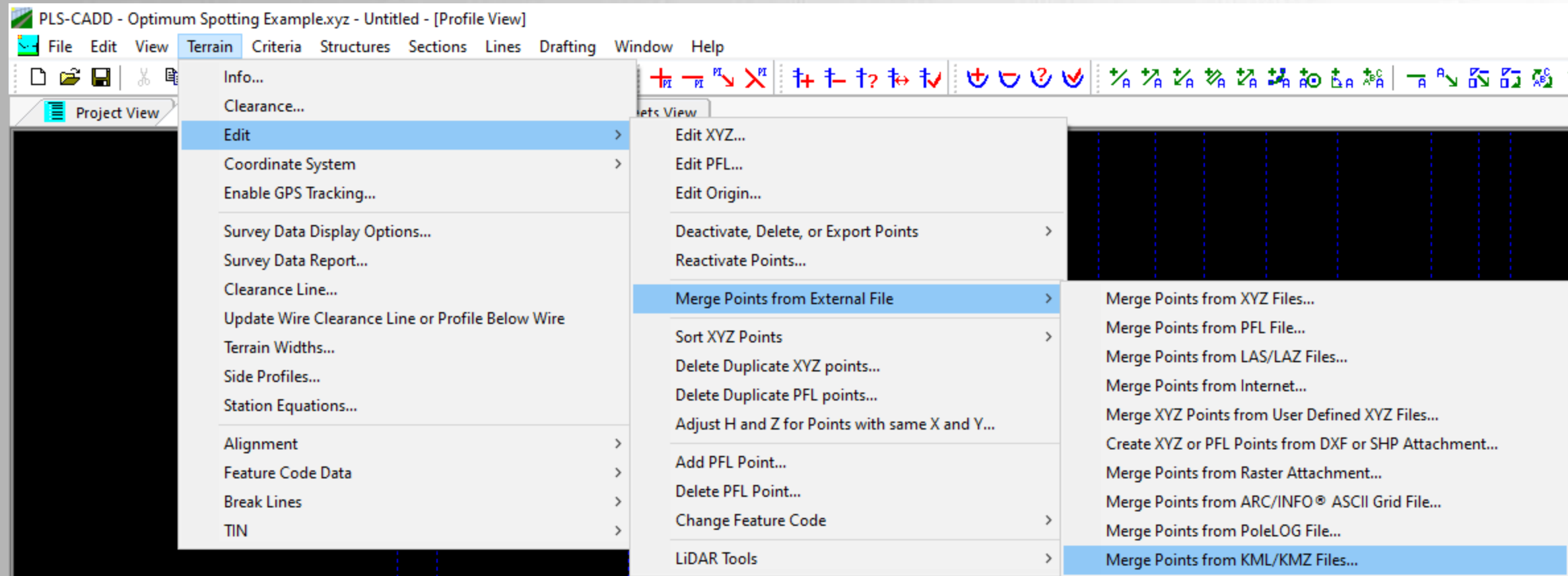
Step 1 – Define Route



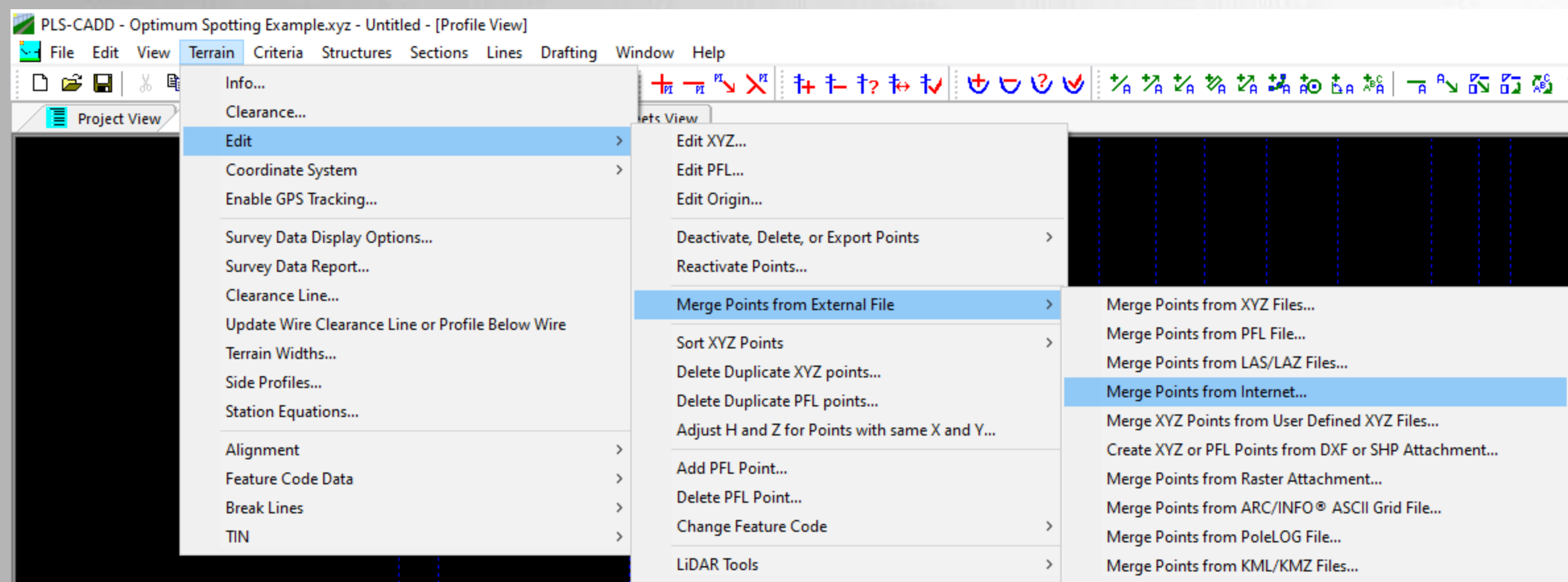
Step 2 – Start PLS-CADD Project & Load Standards

- Load Standard .FEA file
- Load Standard .CRI file
 - Double check load cases to remove ones that shouldn't be used for spotting
 - Broken conductors
 - Construction loads
- Drafting settings, Etc.

Step 3 – Import KMZ Route File

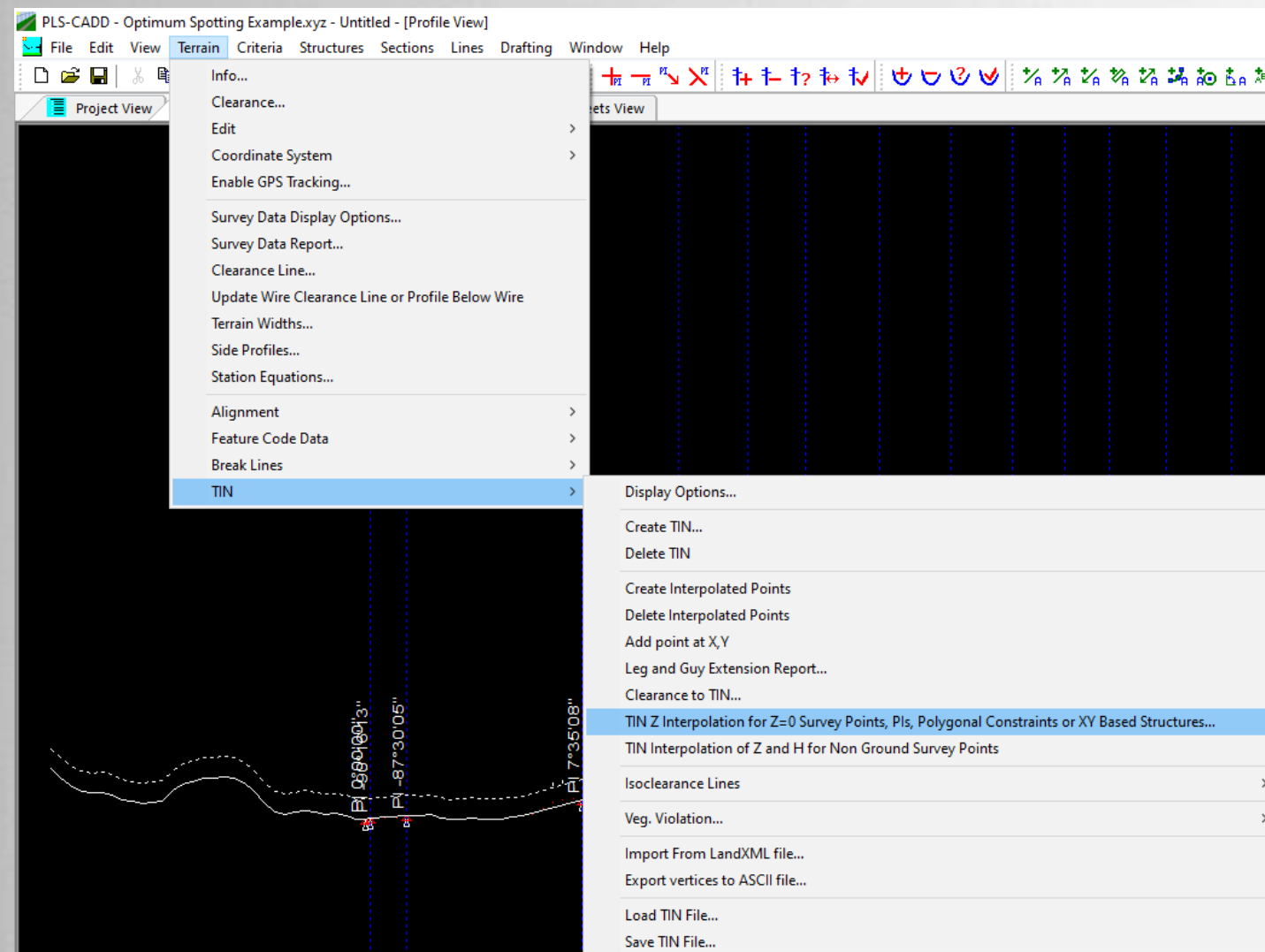


Step 4 – Import Ground Point Data

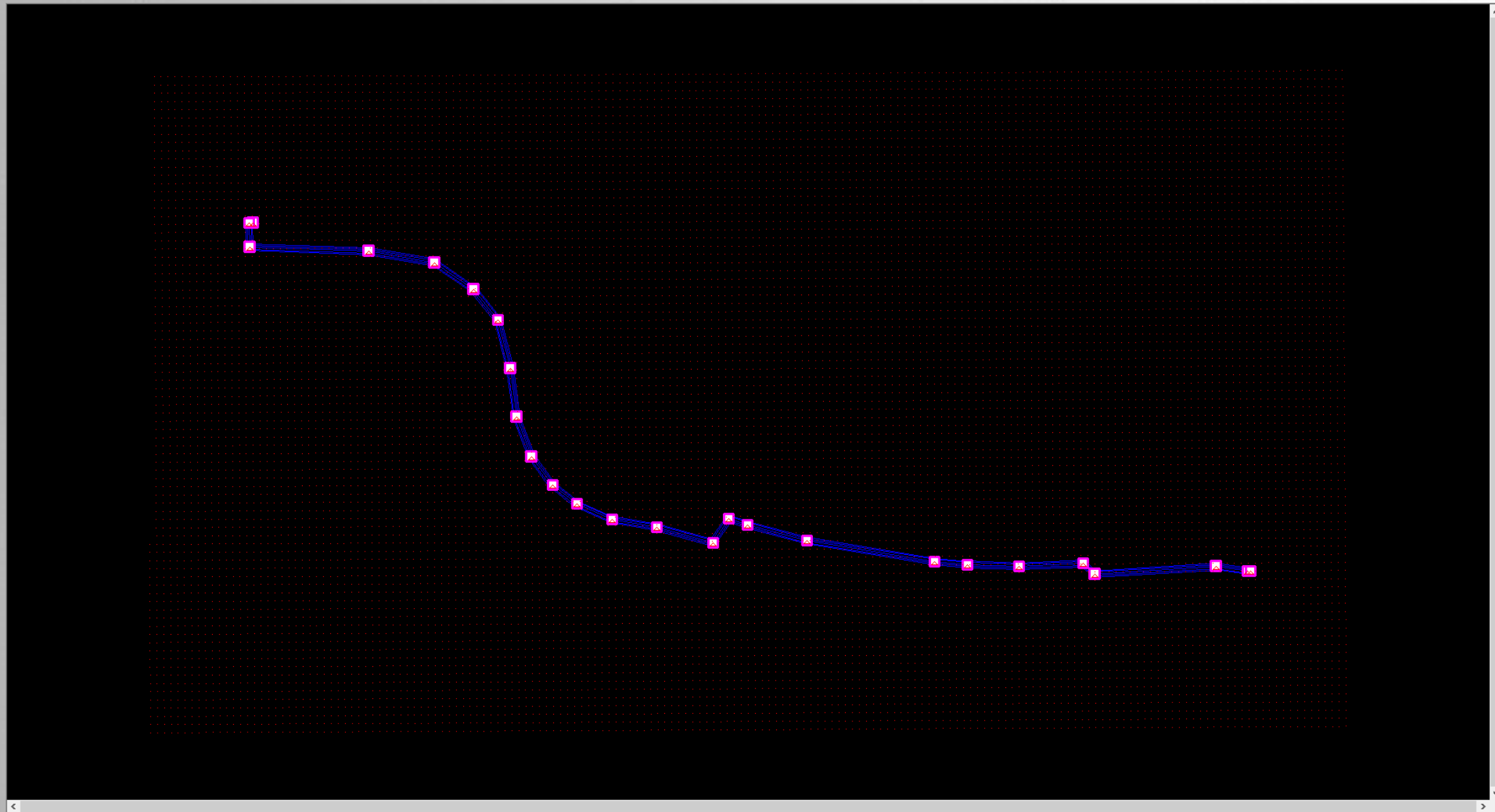


Step 5 – Build TIN Surface

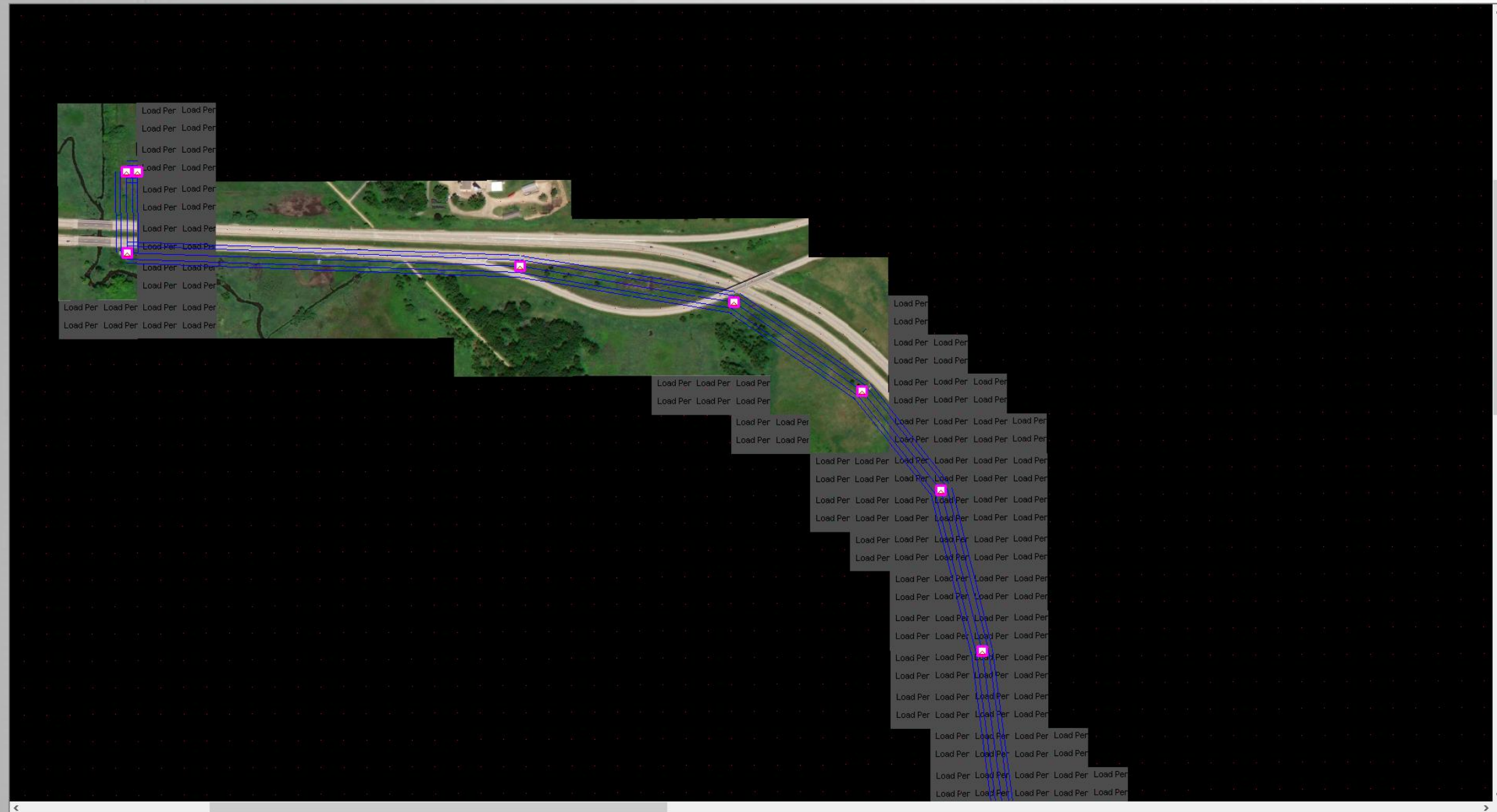
- Build TIN and interpolate points with $Z = 0$



Step 6 – Add Alignment



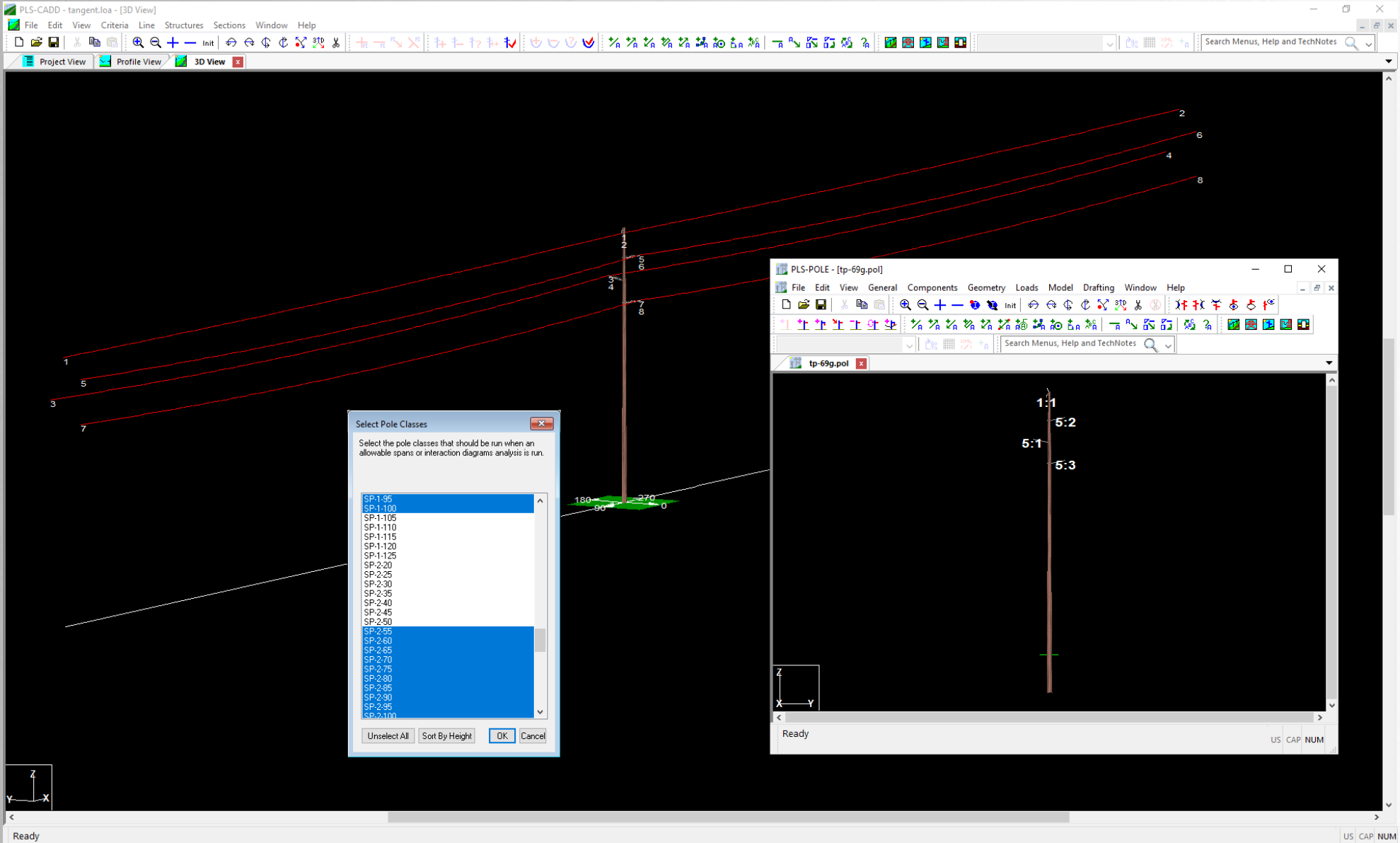
Step 7 – Import WMS Imagery



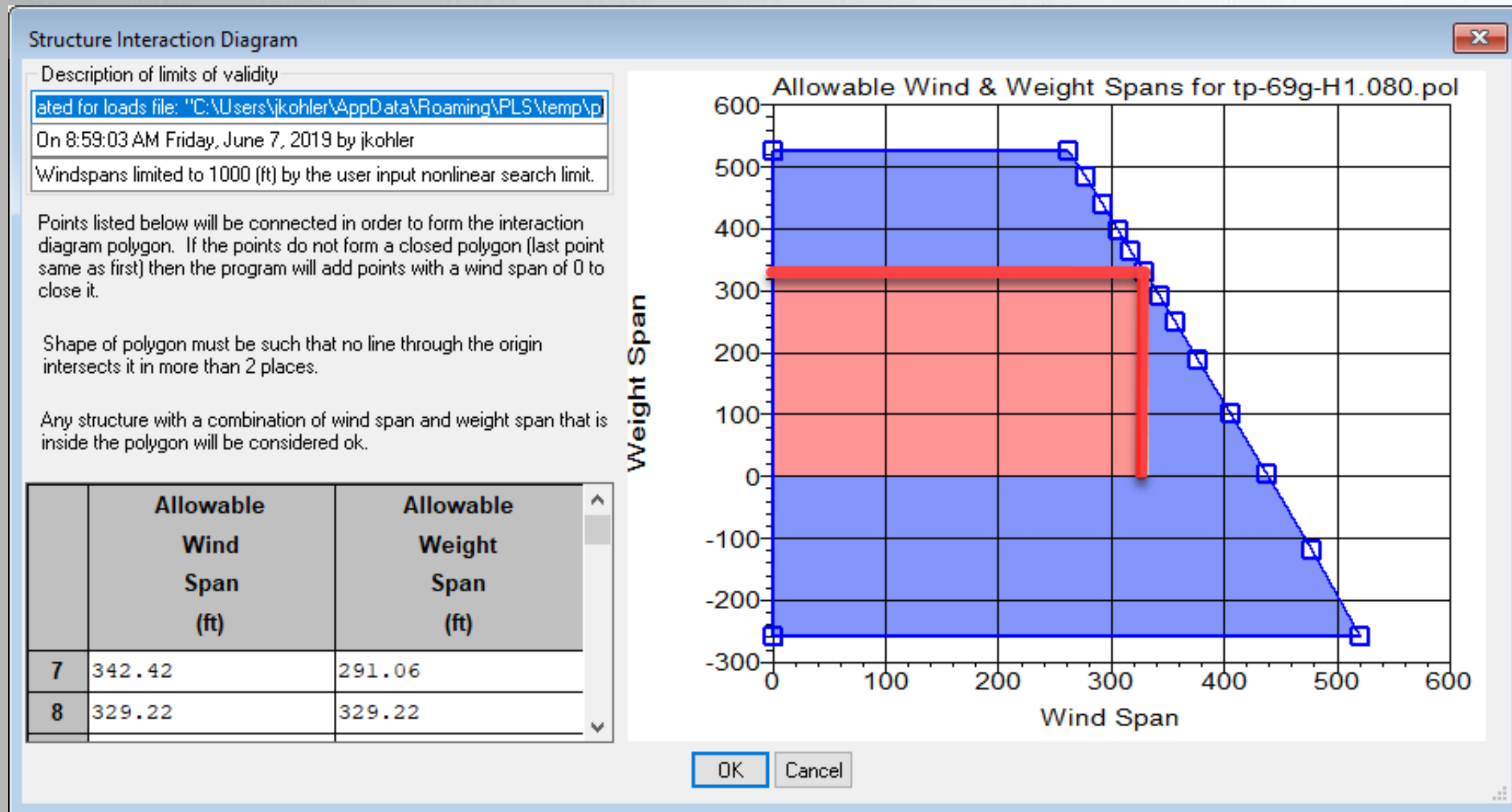
Step 8 - Set Up Spotting Constraints



Step 9 – Build Structure Families & Lite Models



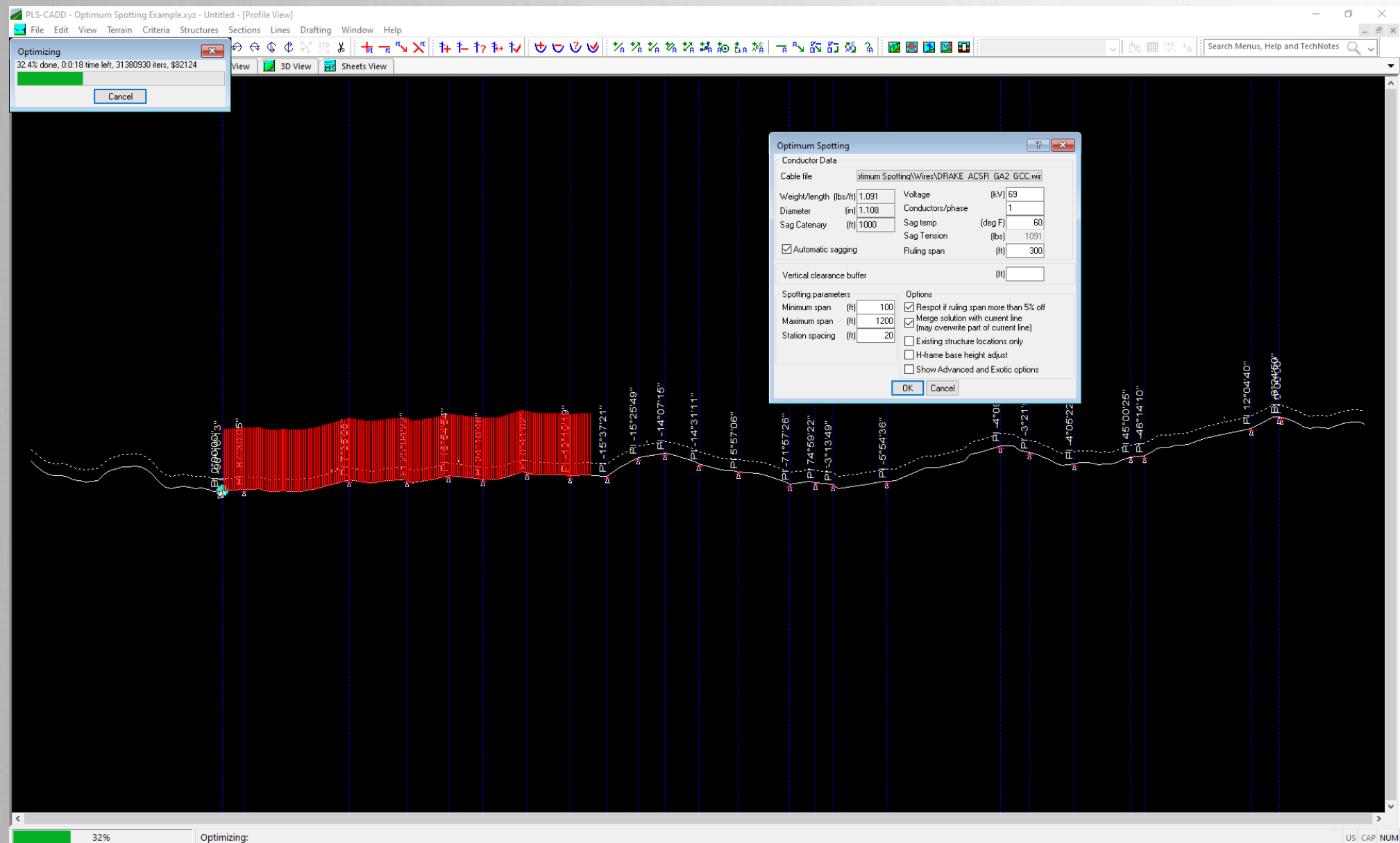
Difference Between M1 & M2 Structures



Step 10 – Assign Costs

- Add Structures To Available Structure List
- Add Cost Information
- Specify Minimum Line Angle Range
- Specify Spotting Set Number

Step 11 – Setup Optimum Spotting Parameters And Run



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Questions?