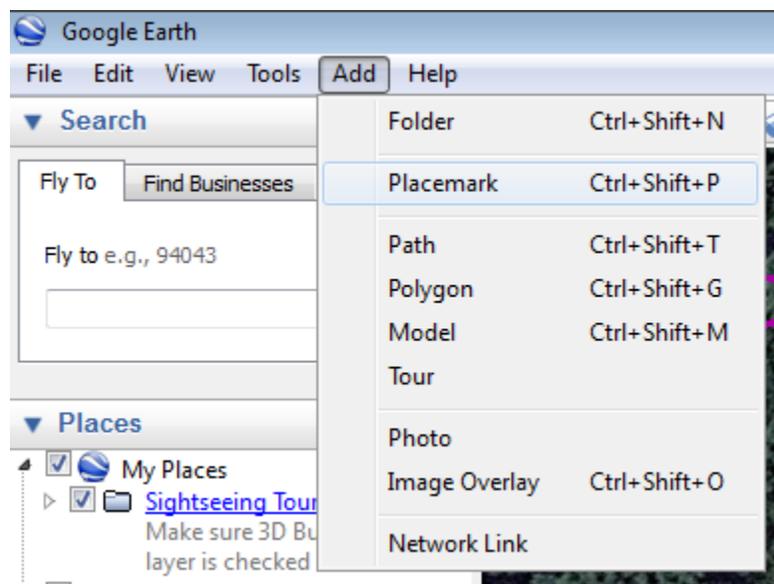


1.1 Appendix

This appendix will show the process using KML placemarks created in Google Earth and using those placemarks to bring MicroStation data over into Google Earth. This process can be used when projection factor is unavailable or when the MicroStation geometry doesn't quite line up accurately with the Google Earth imagery when utilizing the Geographic Coordinate System method.

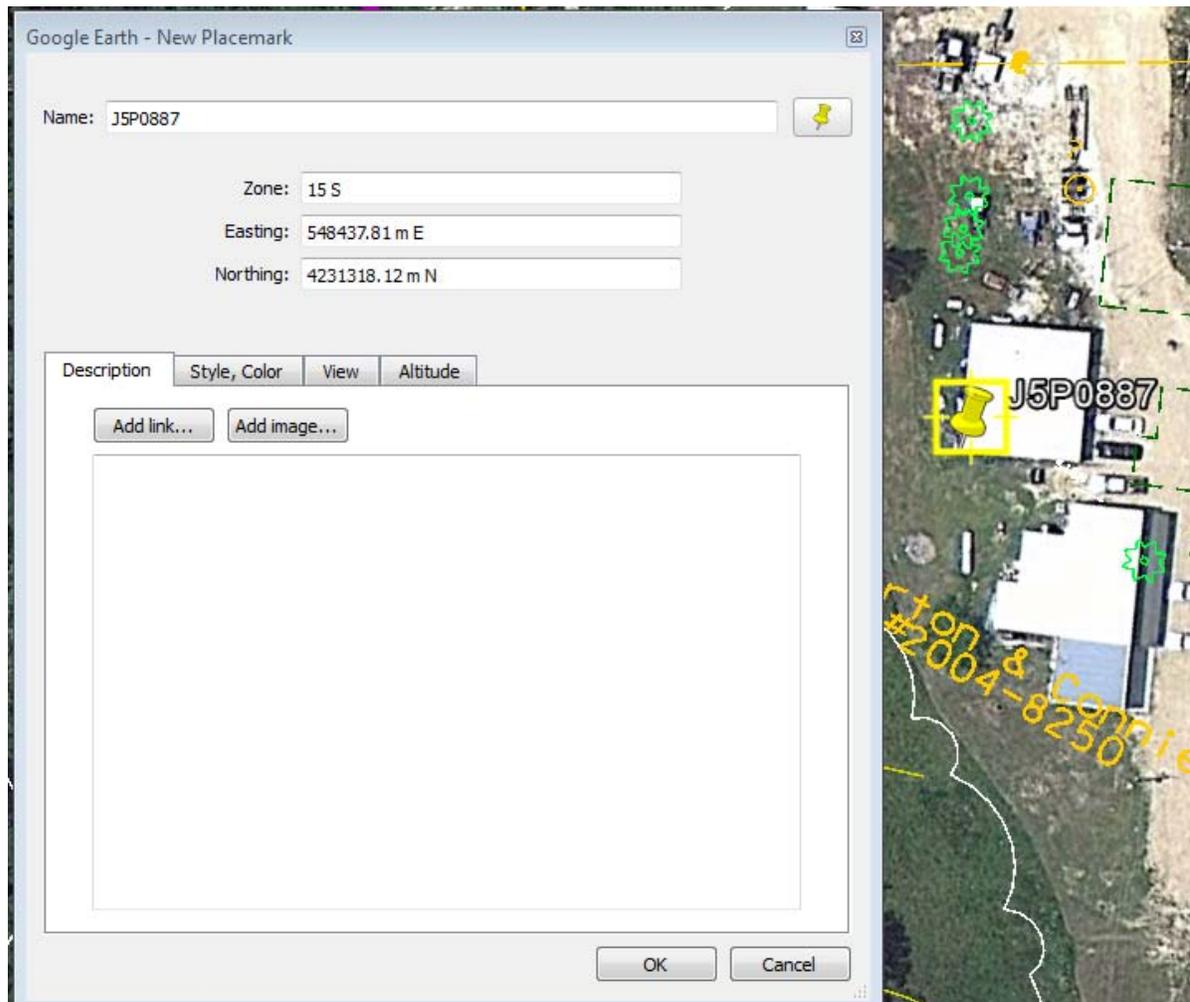
1. Open **Google Earth** and zoom into the area for the project.
Go to the **Add** pulldown and select **Placemark**.



2. You will see the **Untitled Placemark** on the Google Earth imagery.

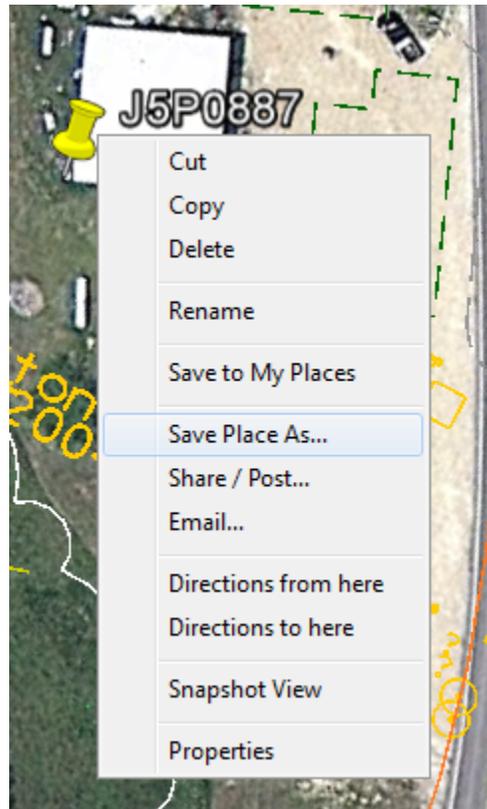
Move the placemark to a common point that you can associate it with in the MicroStation file (example – corner of a building, known power pole, etc.)

Now **Name** the placemark and click **OK** to place the placemark in Google Earth.



3. Once you have placed the placemark, you will need to save it so it can be used in MicroStation.

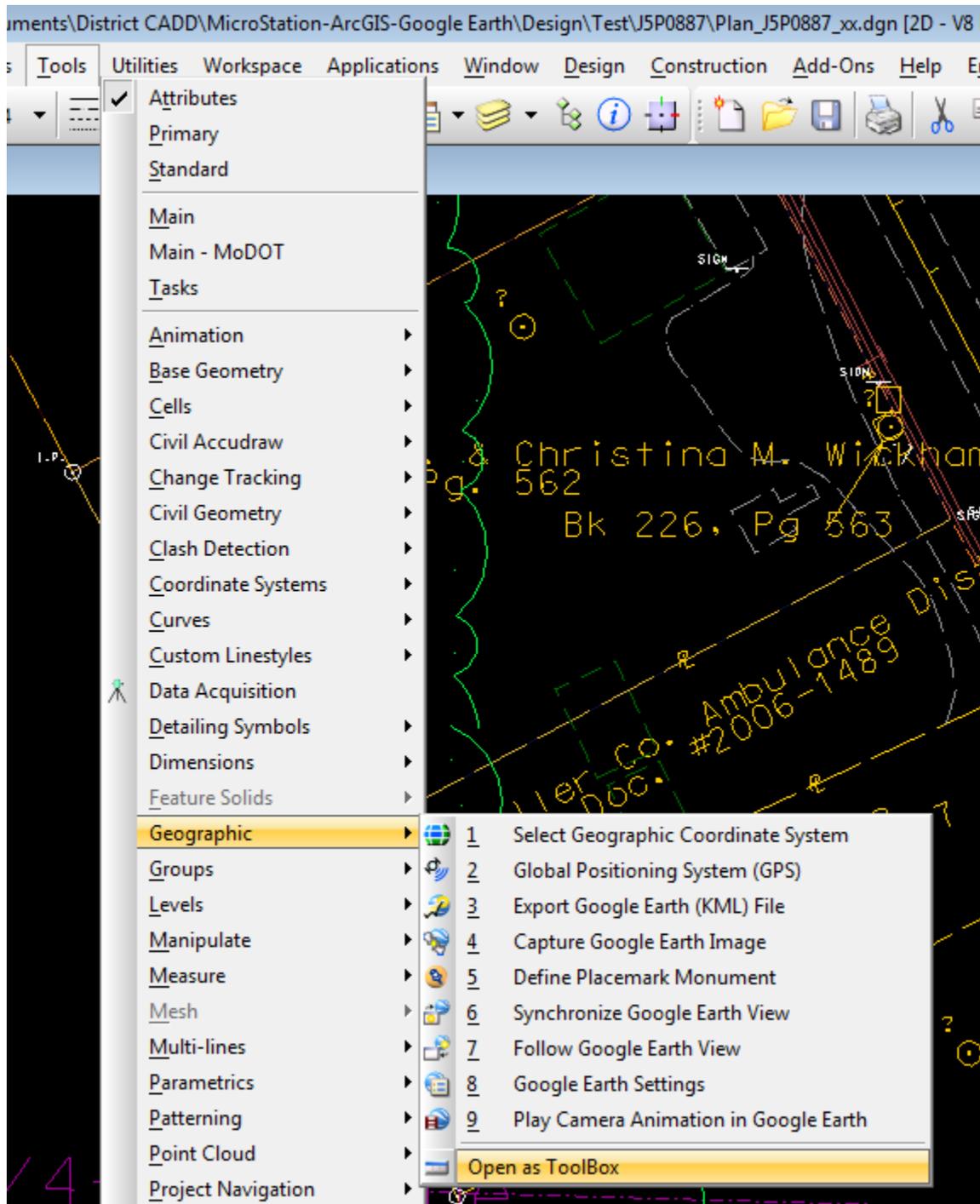
Right click over the placed placemark and select the **Save Place As....** option.



Save it as a KMZ file to a desired location on the network.

4. Now you are ready to use that KMZ file in a MicroStation file.

Go the **Tools** pulldown, select **Geographic** and open the Geographic tools as a toolbox.



5. Select the **Define Placemark Monument** in the Geographic toolbox.

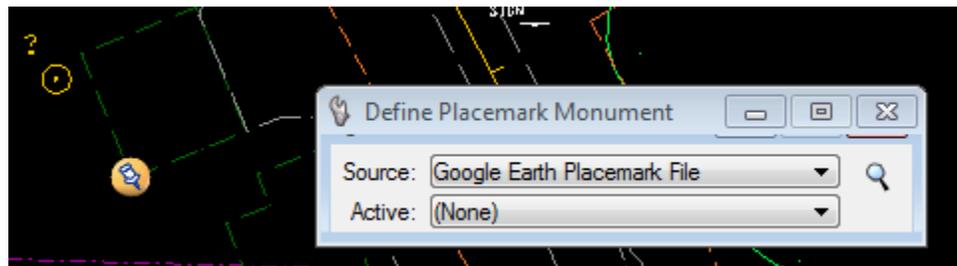


In the *Define Placemark Monument* dialog, set the source to **Google Earth Placemark File**.

Click the **Browse** icon in the dialog and navigate to the KMZ file that you created in Google Earth. Select the KMZ file and then click **Done**.

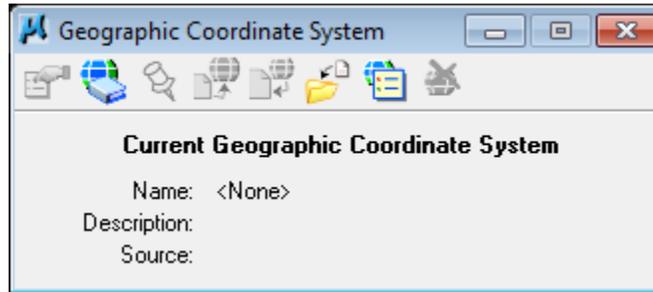
You will now need to define the point for the origin of the placemark. Move the placemark to the same point as it was created in Google Earth and left click to place it in the MicroStation file.

Note: Since we used the corner of a building for this example, use the MicroStation keypoint snap and snap to the corner of the building. Then left click to place the placemark in the dgn file.

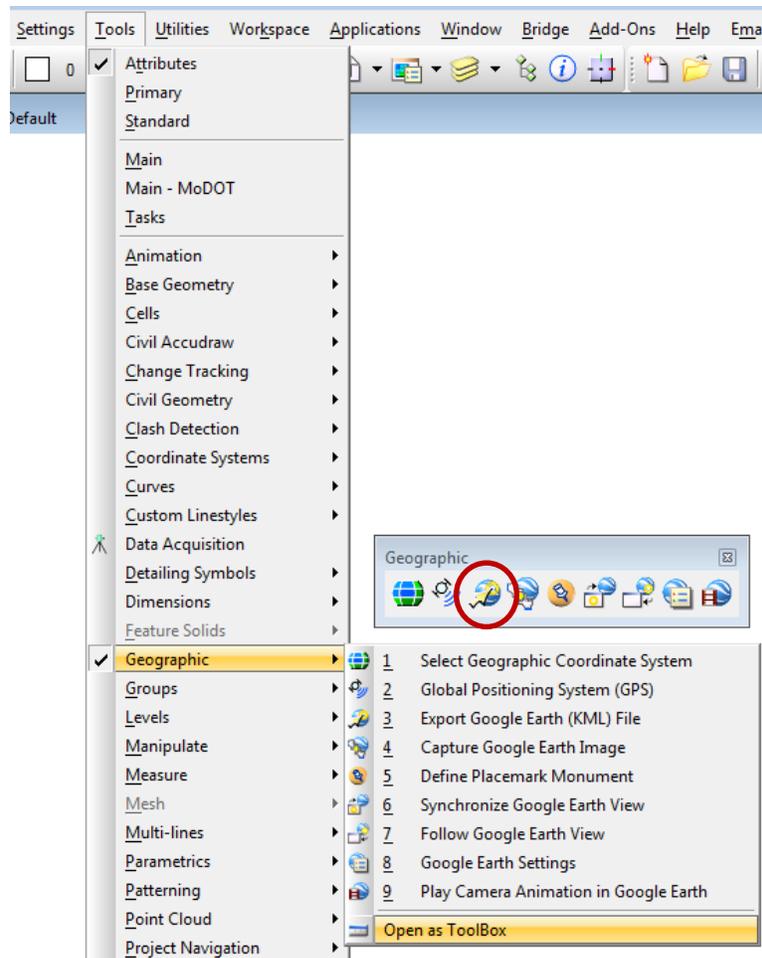


6. The MicroStation data is now ready to be used in Google Earth.

Note: If you have a Geographic Coordinate System applied to the MicroStation file, it will need to be removed in order for the placed placemark to control how MicroStation creates the KML file that gets brought over to Google Earth



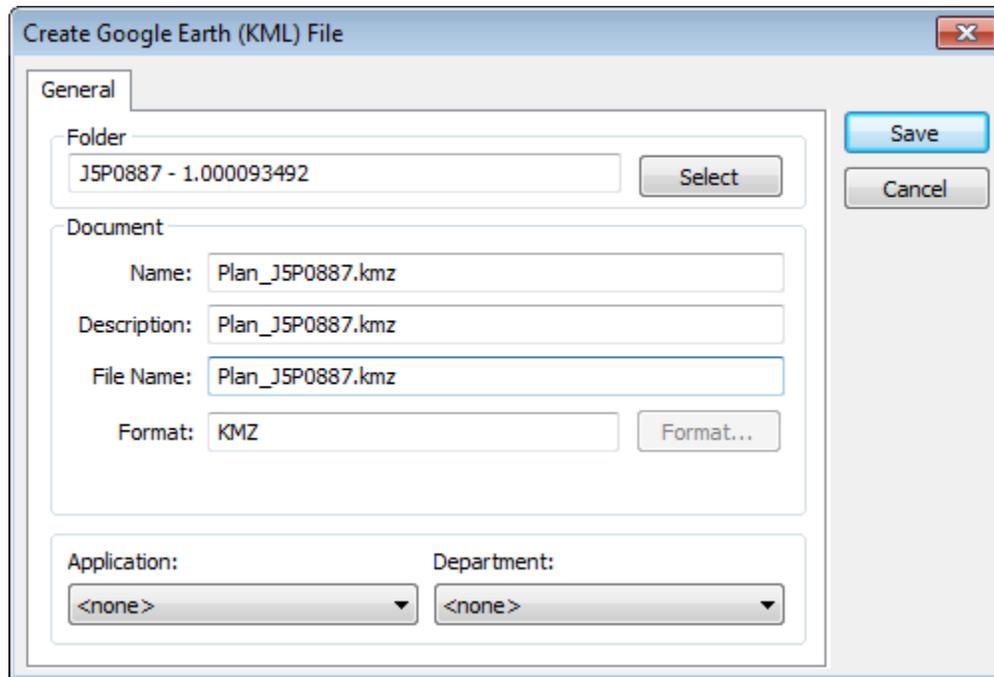
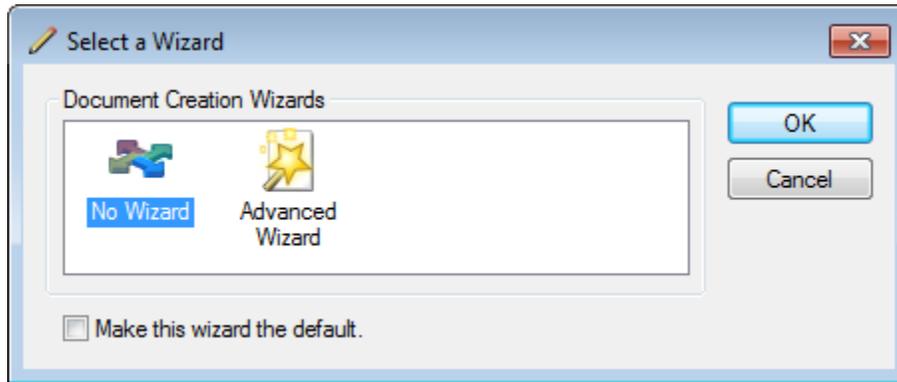
7. Select the **Export Google Earth (KML) File** tool in the Geographic tools.



8. You can create the KML file inside or outside of Projectwise. We will store the file inside ProjectWise for this example.

Note: You can always export the KML file out of ProjectWise if necessary.

Select **No Wizard** and then store the KML file to the desired folder in ProjectWise. Make sure the Name and File Name are the same.



Save the KML file.

9. Once you click the **Save** icon, *leave the computer alone*.

The conversion of the MicroStation file to a KML file may take a little time, depending on how large the MicroStation file is. When the KML is created, Google Earth will also open and zoom in to the area for the project according the view constraints of the MicroStation file.

