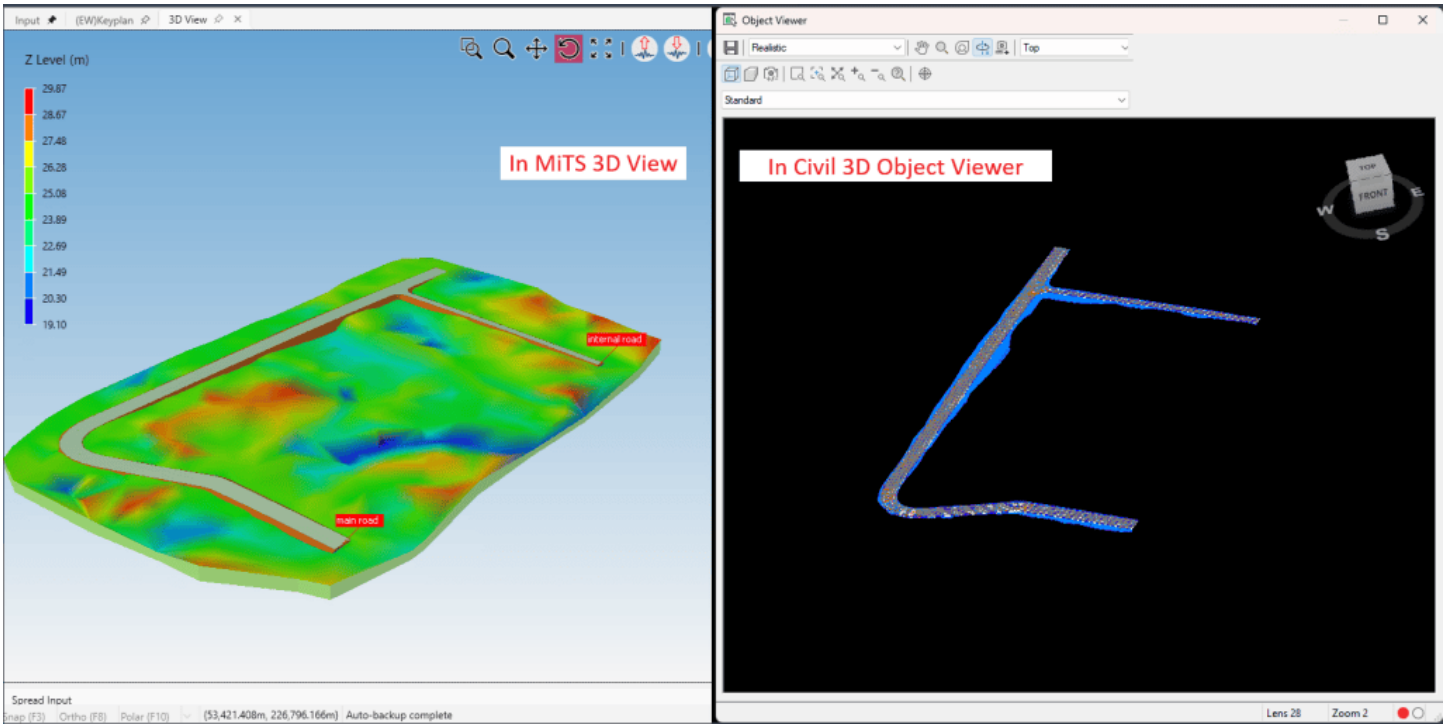
Road Corridor

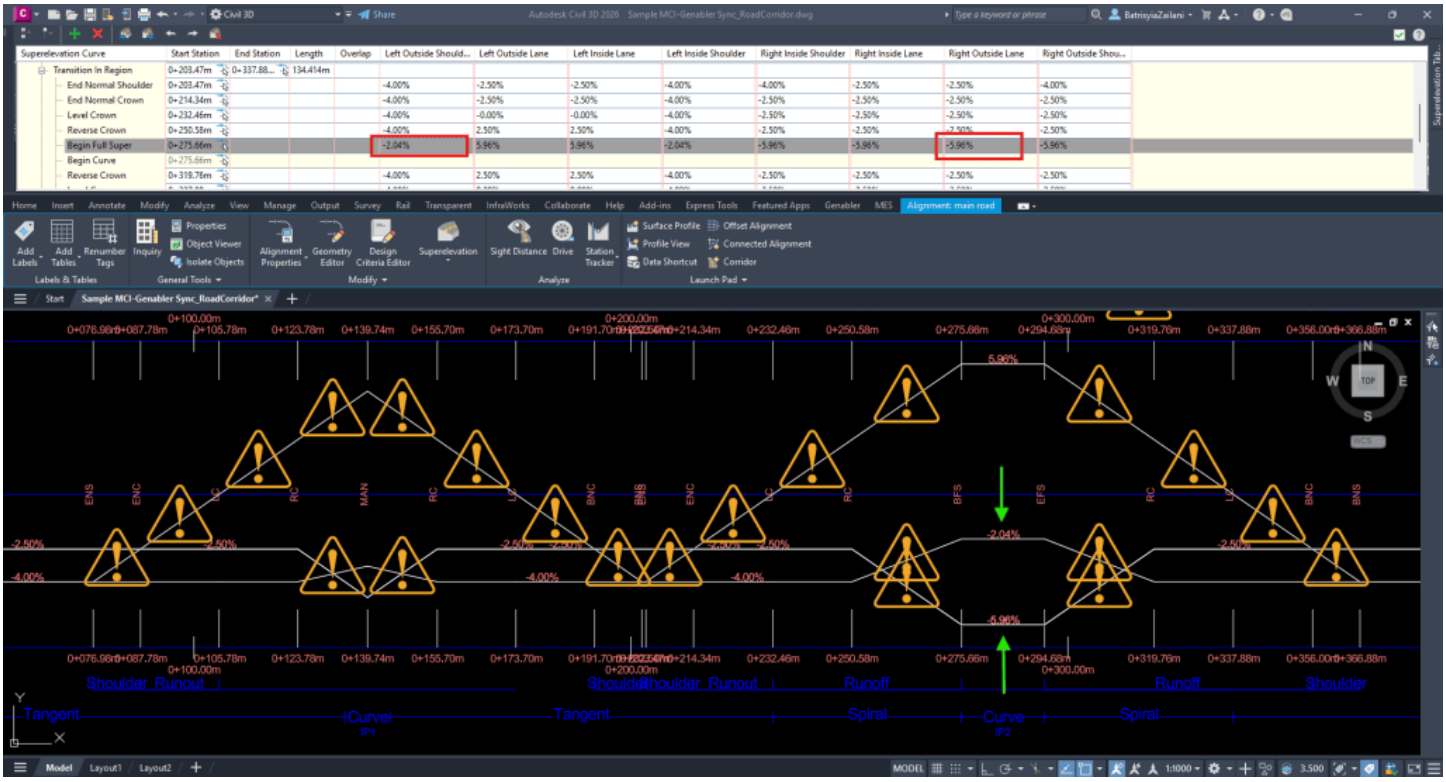
Output · https://mes100.com/docs/road-corridor/



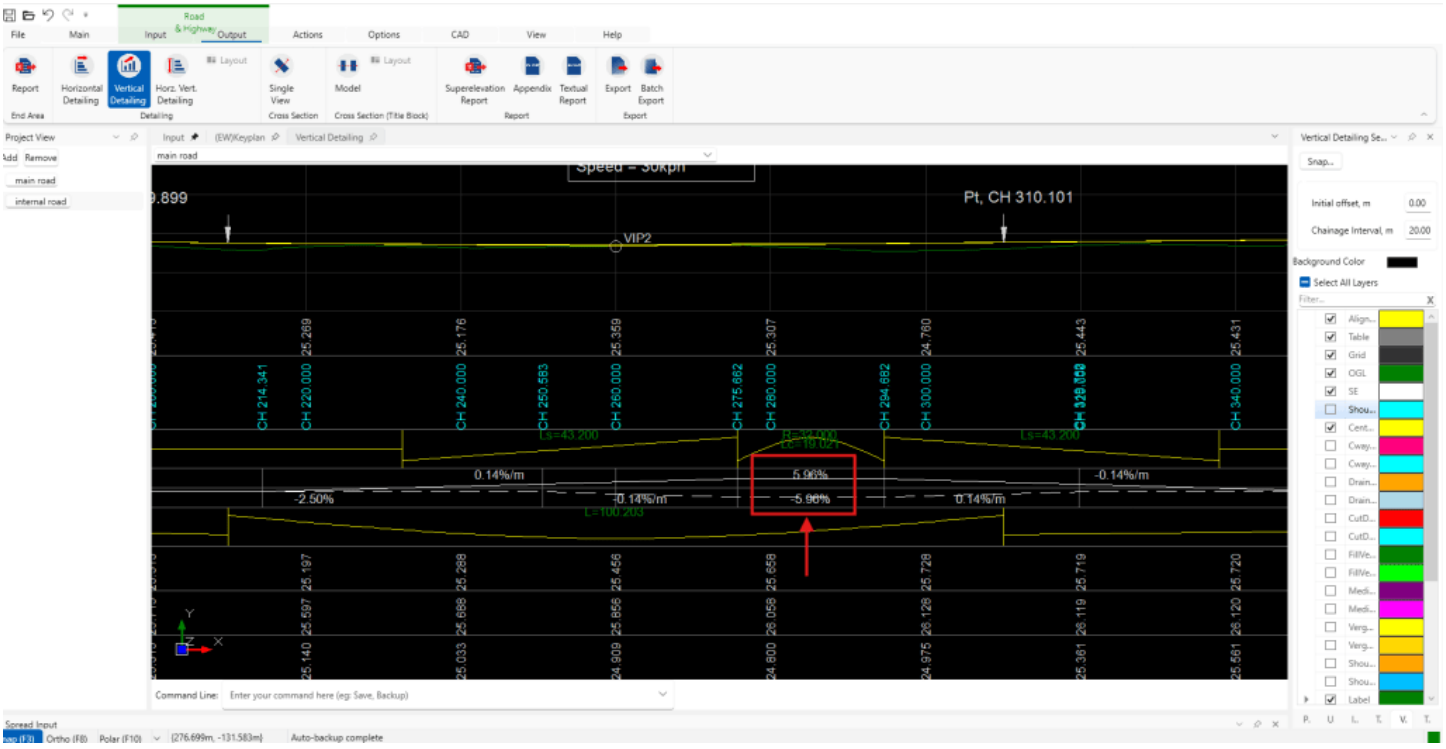
Road Automation

Superelevation Diagram

The Superelevation Diagram will be automatically generated for roads synchronized from MiTS to Civil 3D. The generated diagram should correspond with the Vertical Detailing in MiTS.



In Civil 3D Superelevation Diagram

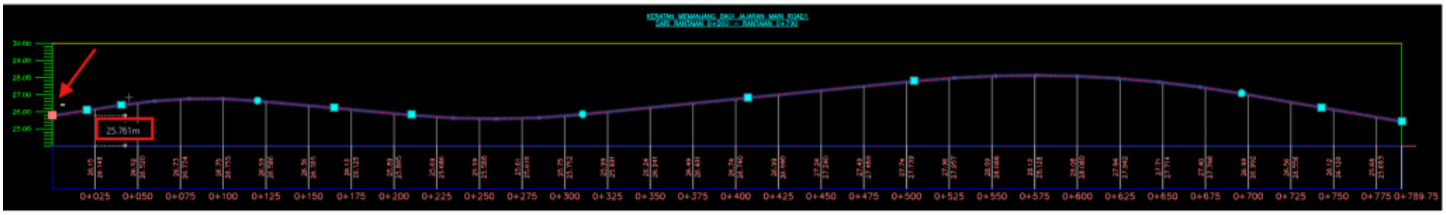


In MiTS Vertical Detailing

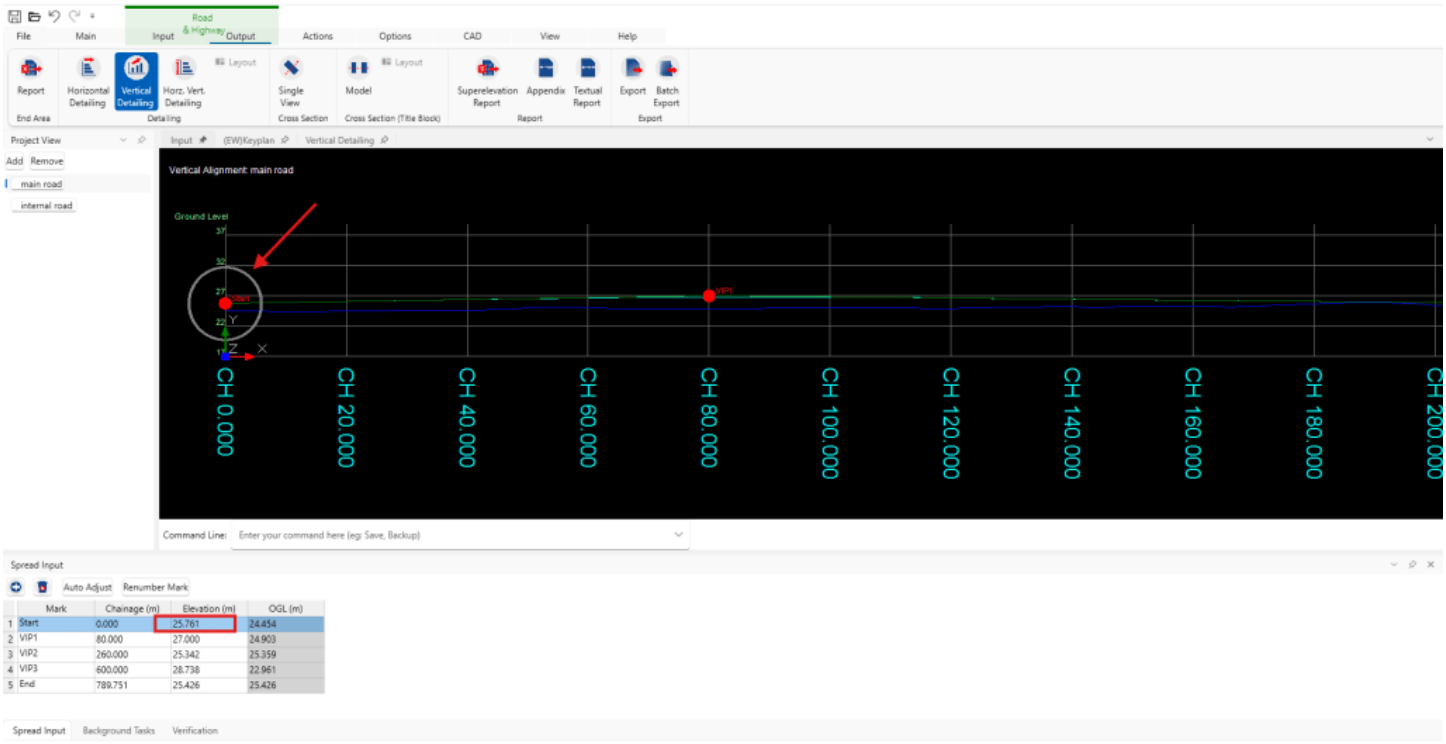
Profile View

The Profile View will be automatically generated for roads synchronized from MiTS to Civil 3D. The generated diagram should correspond with the elevation in Vertical Alignment designed in MiTS.

In Civil 3D

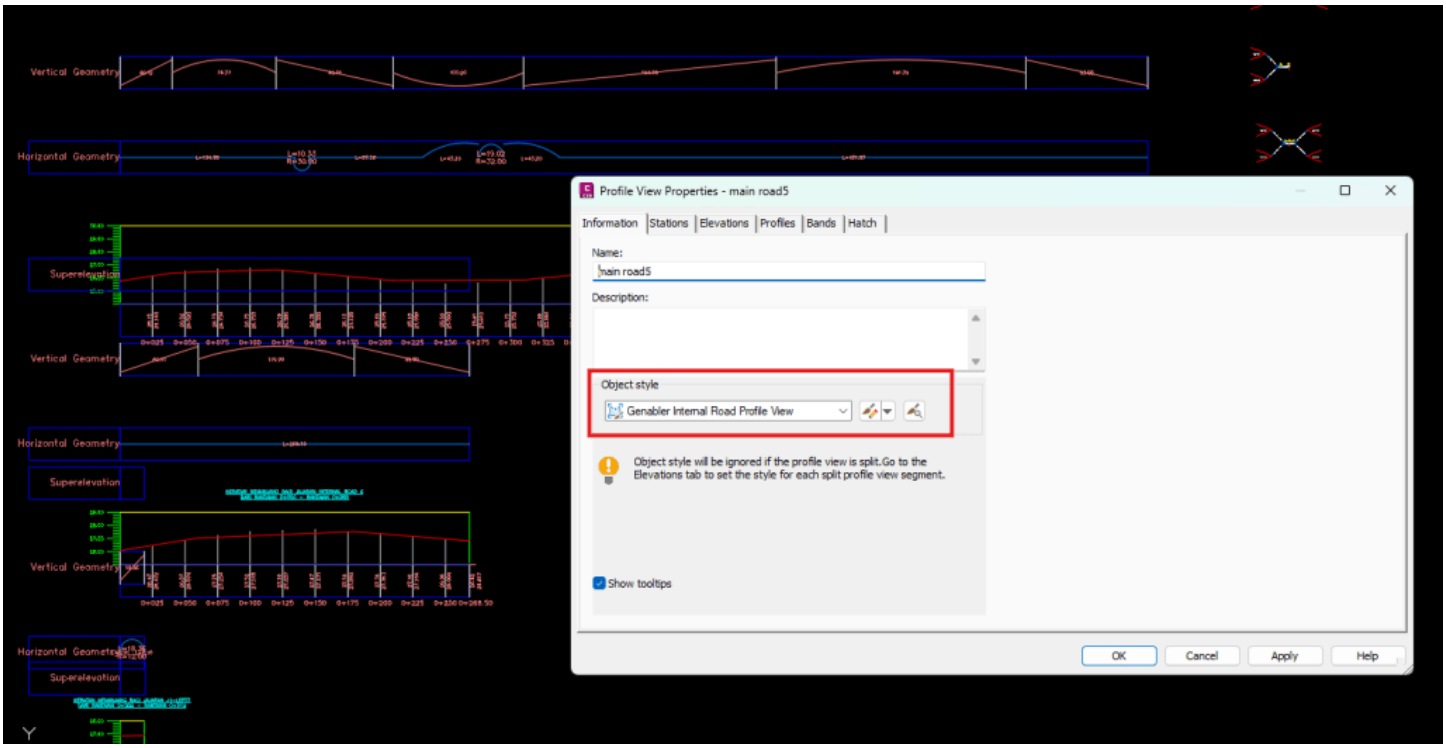


In MiTS



Note: Each of the profile views has been set to the dedicated Genabler Stylings. To check or update the stylings, users may navigate to the **Profile View Properties**.

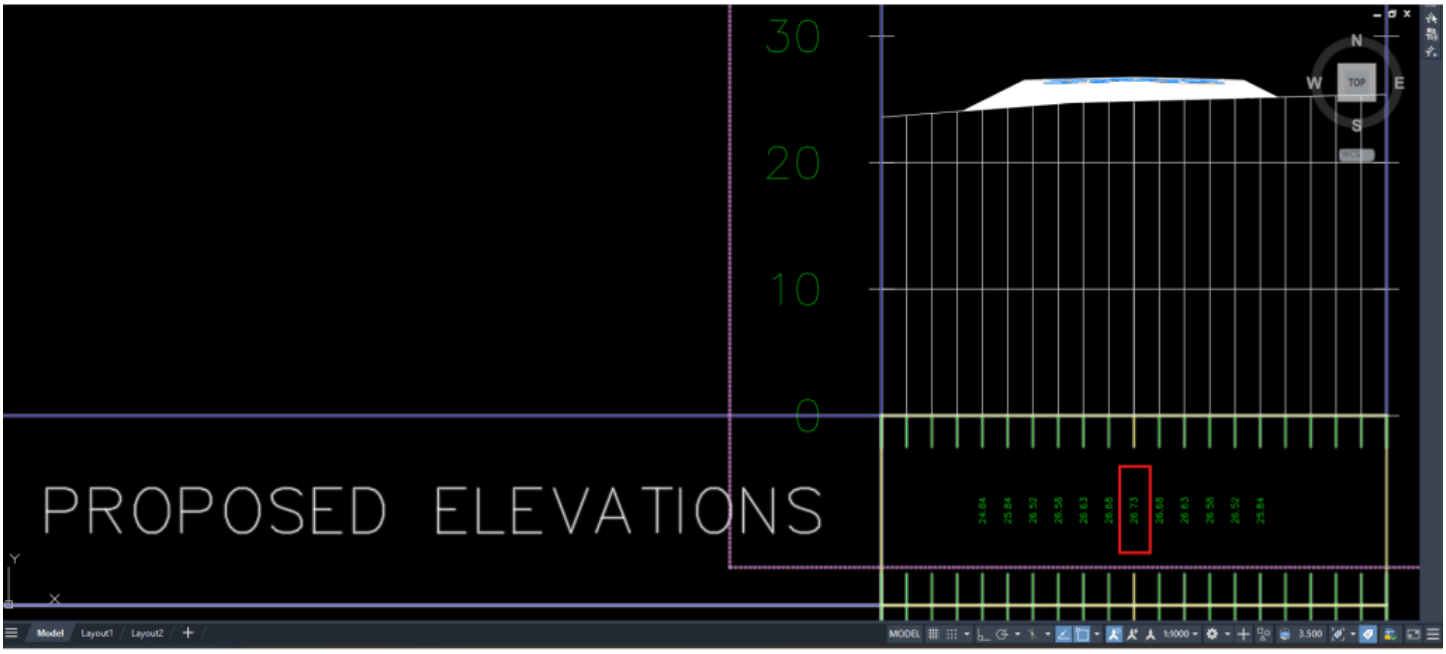
Select any of the road profile views> Right-click > Click on Profile View Properties



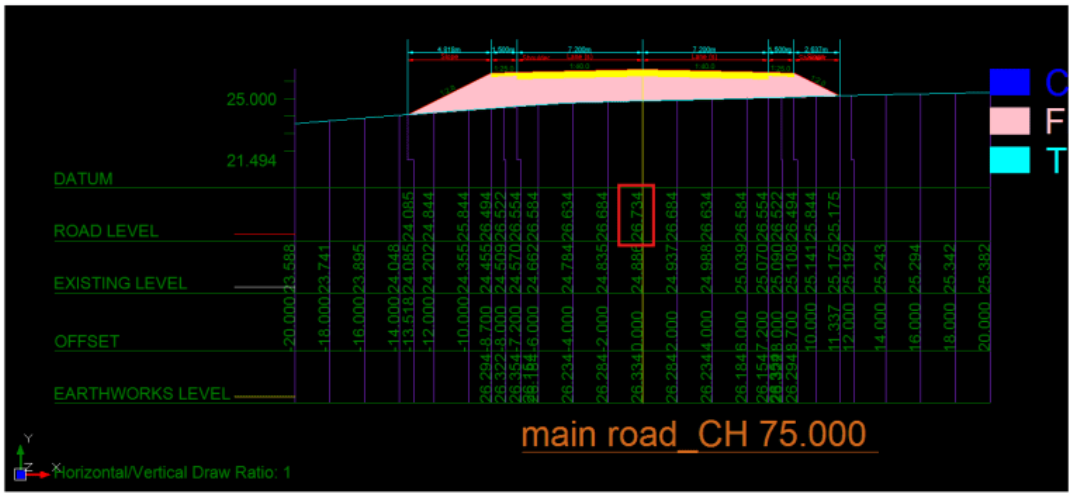
Section View

The Section View will be automatically generated for roads synchronized from MiTS to Civil 3D. The generated section view should correspond with the Cross Sections in MiTS.

In Civil 3D



In MiTS



MiTS Verify (Volume Comparison: MiTS vs. Civil 3D)

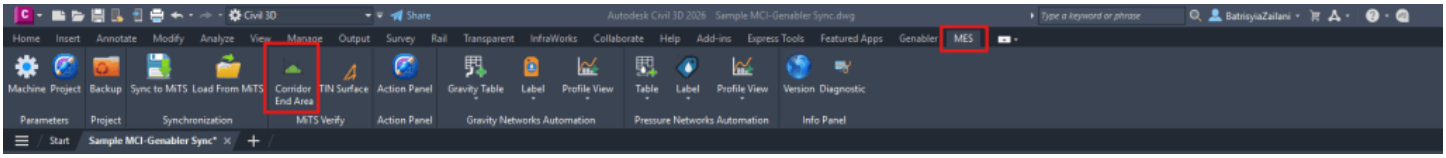
Corridor End Area

The feature allows users to compare the Cut and Fill volumes, following the End Area Method, between MiTS and Civil 3D.

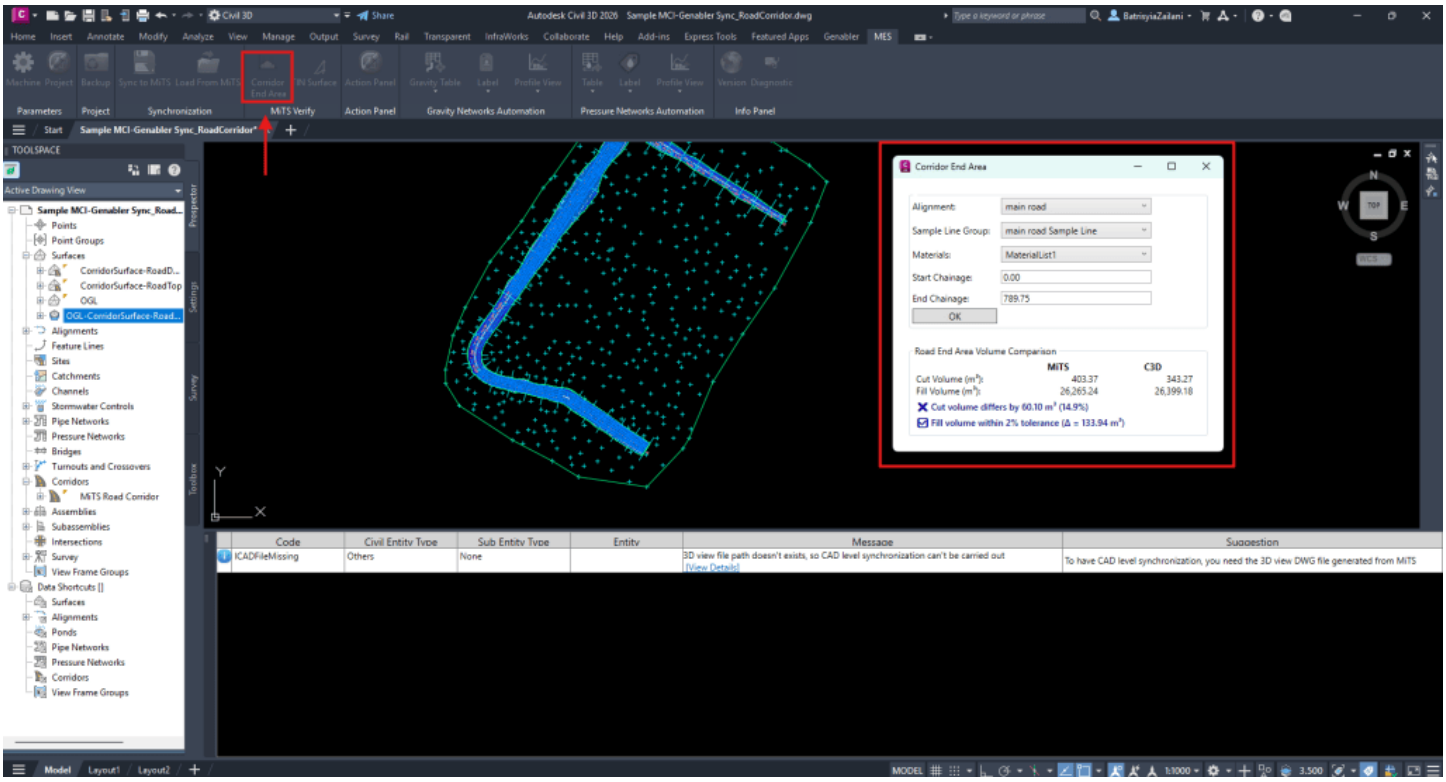
Steps:

1. In Civil 3D, go to the MES Tab.

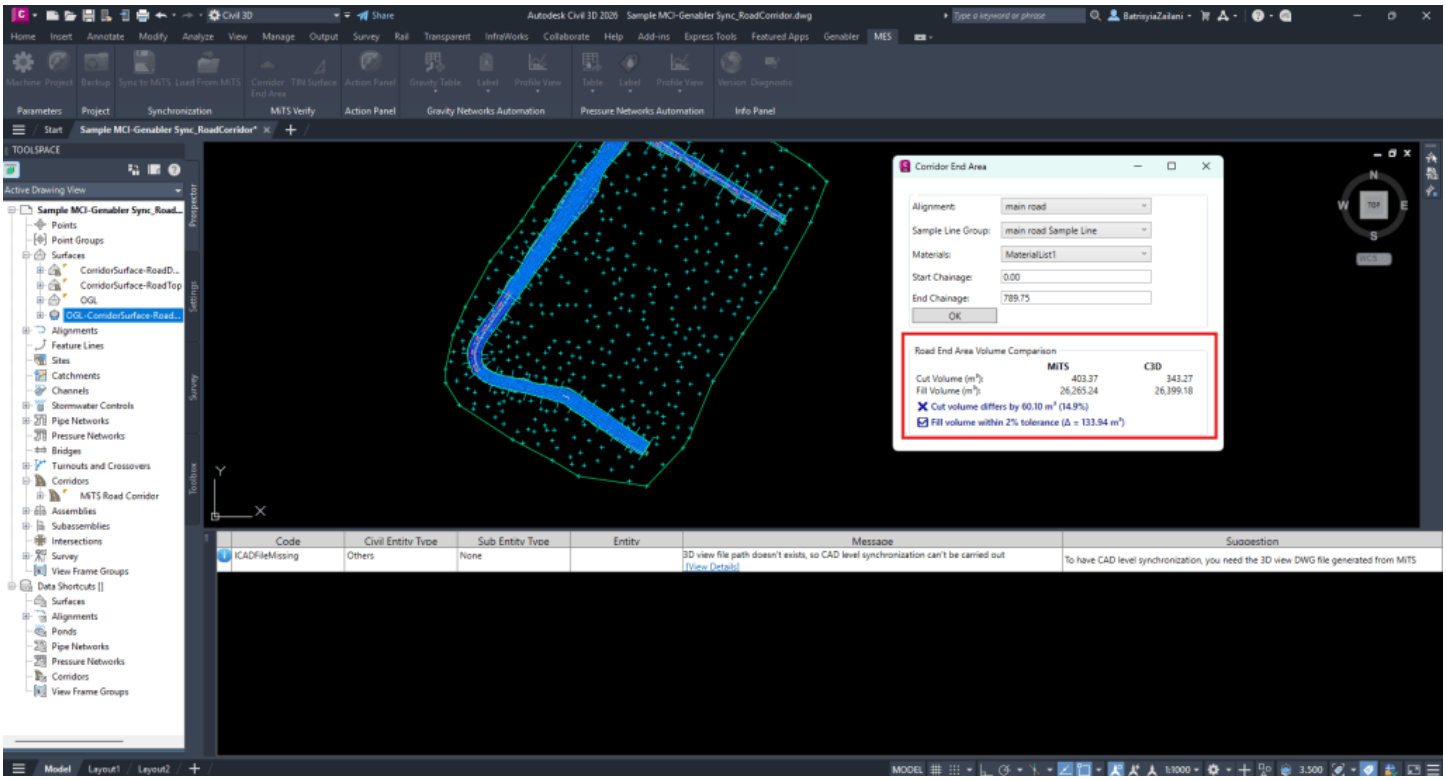
2. Go to the MiTS Verify section and click on the ‘Corridor End Area’ button.



3. Set the **Alignment**, **Sample Line Group**, **Materials**, **Start Chainage,** and **End Chainage**. Click OK.
    - **Note**: When a road network includes junctions, differences in the calculated cut and fill volumes may occur. This is because MiTS calculates the cut and fill volumes for each road independently, without accounting for the junctions.



4. The software will display the cut-and-fill volume and compare it between MiTS and Civil 3D.



Related



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I'm the Benevolent Dictator for Life for MiTS Software cum Editor of this website. Read more here.

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