MONTANA
Department of Transportation

February 2025

MDT Civil 3D State Kit - Adjust Structure Sumps

YOUTUBE VIDEO DOCUMENTATION

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OVERVIEW

The purpose of the **Adjust Structure Sumps** command is to adjust sump depth for typical precast structures.

If there is a value for structure sump depth, such as for catch basins, Civil 3D correctly sets the sump elevation, because the elevation is based on a set distance from the flow line of the lowest pipe, but **Civil 3D does not account for pipe wall thickness when connecting to a typical precast structure with a zero sump depth value**. Civil 3D places the structure floor at the invert elevation of the pipe, resulting in the pipe wall lining up **within** the structure floor.

This command will automatically adjust the sump elevation for structures with a zero sump depth value by dropping the structure floor the wall thickness of the pipe creating a spatially accurate 3D pipe network, such as for clash detection.

The **Adjust Structure Sumps** command is developed and provided by WisDOT.

COMPANION DOCUMENTATION

YouTube Video Link:
https://www.youtube.com/watch?v=uB7S_YDcEdo&list=PLxseor6I1x1GY4KNF_93eyCRSVeO61OwX&index=3|

USING THE COMMAND

1. Type **MDTAdjustSumps** at the command line or press the **Adjust Structure Sumps** ribbon button.
2. *Select Structure(s) [All Individual] <All>*
3. Choose selection option.
   a. Select *Individual* to manually select structures in model space.
   b. Select *All* to select all structures in the drawing at once.
4. Command will adjust structure sump elevations automatically.
5. (Optional) Press **<F2>** on keyboard to open the AutoCAD Text Window to see results.