MONTANA
Department of Transportation

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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://youtu.be/uB7S_YDcEdo?si=aaqYZrh7BVLl497j

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.