

## DESIGN MEMORANDUM

To: Distribution

From: Megan Gail, Highways Design Engineer

Date: August 16, 2024

Subject: Setting Coordinate Systems in Autodesk

The MDT Civil 3D State Kit - Version 1.24, released on February 23, 2024, included start templates that defaulted drawing settings to the coordinate system code "NSRS11.MTIF" (NSRS 2011 Montana State Planes, International Foot) for design drawings. This change is resulting in confusion and at times issues when using data that requires coordinate system transforms such as ESRI shape files. The NSRS11.MTIF system realization corresponds to NAD-83(2011). This is the realization of NAD-83 for most of MDT's ongoing Preconstruction projects, however it is possible that the control was set in a different realization during the survey process.

Because of this we are removing all coordinate system default settings in the next release of the MDT State Kit. Effective immediately it will be the responsibility of our design teams to set the appropriate coordinate system in their drawings when they are originally created.

All District Automation Specialists will begin to place a readme file in the CS directory for all projects with survey data that call out the coordinate system to be used for that specific project by all design teams. It will be designers' responsibility to ensure that the CS ReadMe file is used for setting the coordinate system in their Autodesk files.

All staff can access the help guide available on MDT's internet site detailing this new workflow.



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Highways Design Engineer

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