

300 CADD Standards

300.1 General

On July 1, 2014, the New Mexico Department of Transportation (NMDOT) adopted AutoCAD/Civil 3D as the software that is required for all in-house and consultant design projects. Consultants should use the version of AutoCAD/Civil 3D specified in their professional services contract.

The most current information on NMDOT's computer-aided drafting and design (CADD) standards and specific design templates can be found on the [NMDOT website](#). NMDOT's CADD standards for styles, layering, symbology, and procedures are continuously being updated as they are developed within the Autodesk® software. As changes and additions are made, the NMDOT will make every effort to detail them in some manner of a version history. Comments and questions may be sent to cadd.support@state.nm.us. Specific NMDOT CADD resources are described in the sections below.

300.2 References

300.2.1 NMDOT CADD Drafting Standards

The NMDOT has developed and maintains the [NMDOT CADD Drafting Standards Manual](#). The manual establishes CADD standards for all civil engineering projects developed for the NMDOT, and addresses requirements for:

- Project directory structure
- File naming and layers

- Annotation and symbology
- Plotting and printing

In addition, the NMDOT CADD Drafting Standards manual establishes Civil 3D standards for all civil engineering projects developed for the NMDOT, including:

- Survey standards and deliverables
- Civil 3D data segregation
- Civil 3D object naming conventions
- Civil 3D object symbology

300.2.2 NMDOT CADD Resource Files

The NMDOT also maintains a website of CADD resource files. The NMDOT resource files contain links to NMDOT's drawing templates, line styles, colors, and other CADD standards. These resource files can be accessed [here](#).

300.2.3 Other Drawing Resources

In addition to the CADD resources described above, specific formatting guidelines for plans are provided in Chapter 140 of the Design Manual. The NMDOT has also created numerous [Standard Drawings](#) for various transportation design elements.