

AutoCAD Submission Requirements

This page provides a generic list of submission requirements for AutoCAD design files for the Truckee Meadows Water Authority (TMWA). These requirements apply in part to as-built drawings, record drawings, planning drawings and general design work.

1. All design objects shall be drawn in model space.
2. Objects shall be drawn in real world coordinates as used by the TMWA; drawing shall not be scaled or rotated.
 - Coordinate System:
 - Horizontal: State Plane Nevada West Zone (Sparks Modified), NAD 83, US Survey Foot. (Sparks Modified scale factor 1.000197939)
 - Vertical: NAVD 88 US Survey Foot.
3. Include all external reference files (xrefs) with submissions.
4. AutoCAD files and their attached xrefs to be located in the same directory.
5. AutoCAD layout names to reflect the drawing/page number.
6. Digital files must match hard copy as-built/record drawings.
7. Segregate all mapped object types to separate layers. For example: text on text layer(s), line work on line work layer(s), blocks on block layer(s). Do not consolidate multiple object types on one layer.
8. Layer names should be descriptive of each layer's content.
9. All objects created shall be colored "By Layer".
10. All blocks to be created on layer "0" with attributes set to "By Layer"
11. Numbered layers will be accepted only if accompanied by a document with full text conversion descriptors. (ie; layer 1 = surveyed block lines)
12. Drawing objects to be included in CAD file submission:
 - Parcel boundaries
 - Parcel lot lines
 - Right of Way lines
 - Building footprints and other structures (e.g. retaining walls, covered parking, pools, etc.)
 - Curb/EOP
 - Sidewalks
 - Parking
13. AutoCAD DWG format shall be 2016 or older.
14. Provide CTB or STB files for plotting.
15. Use standard AutoCAD fonts, line types and hatch patterns, or include with submission.
16. Acceptable media for submissions includes: CD, DVD, cloud file sharing or email.
17. Plan orientation shall have north facing up unless alternate orientation is required for layout purposes.