

CITY OF CAYCE (GIS)

Spatial Standards

Effective 3/25/19, all record drawings submitted to the City shall conform to the following standards:

Spatial Data Standards for City of Cayce include:

Projection: NAD 1983 South Carolina State Plane FIPS 3900 (EPSG 2273)*
Horizontal Datum: NAD83 (North American Datum of 1983)
Vertical Datum: NAVD88 (North American Vertical Datum of 1988)
Datum Conversion: NADCON
Unit of Measure: International Foot (SC Code of Laws Title 27 Chapter 2)

*All federal installations must maintain data in the Universal Transverse Mercator (UTM) projection, Zone 17 based on NAD27.

Vector Data Formats: ESRI-compliant geo-relational model (i.e, ESRI geodatabases, ArcInfo coverages, ARCInfo E00 export files, ArcView shapefiles and Spatial Database Engine layers), as well as AutoCAD's DXF.

Raster Data Formats: ERDAS, LAN, Mr. Sid, JPEG, GIF, TIFF, GeoTIF, and BIL.

Tabular Data Formats: INFO, Dbase, ASCII text delimited and ODBC compliant RDBMS tables.

Metadata Format: FGDC compliant for each layer.

Required Tabular Data: Tabular data must be provided for each identified discrete point on the drawing to include the feature's *Northing*, *Easting*, *Elevation at Surface*, and a *Unique Identifier*. Definitions of these fields is as follows:

Northing: The northing coordinate of the point to 4 decimal places.

Easting: The easting coordinate of the point to 4 decimal places.

Elevation at Surface: Elevation in feet above MSL (Mean Sea Level).

Unique Identifier: An identifier (of any type) tying the geometry and tabular data.

The City of Cayce requires that all record drawings are submitted to these standards prior to Operation & Maintenance letter issued.

All questions directed to Karalyn Miskie, P.E., City Engineer, at (803) 550-9515 or e-mail: kmiskie@caycesc.gov