

**KANE COUNTY, ILLINOIS
DIGITAL SUBMISSION REQUIREMENTS**

1.0 Purpose

Kane County Digital Submission is required for all record drawings. It is the intent of this requirement to:

1. Assist in the implementation of the County GIS in new development of parcels requiring building permits and other services relate to the associated public improvements made to the new subdivision.
2. To provide digital data in a format that will be used by the Kane County Assessors office to create records required by the State of Illinois for taxation purposes.
3. To provide data that meets accuracy standards required for new parcels consistent with the County’s geodetic control network.
4. To provide information necessary to maintain the County’s centerline datasets used by public safety agencies, transportation officials, and the public.

2.0 Geodetic Control

The State of Illinois and Kane County have placed 62 monuments in the year 2000. The State of Illinois installed 11 of these monuments along State roadways located within the County while the County’s 51 monuments were strategically placed along County Roads or other County property. This was done to provide a grid network that will facilitate GPS surveying methods.

The 62 monuments are recorded to 1st order accuracy and are calibrated to the North American Datum 1983. The monumentation is bluebooked (published) with the National Geodetic Survey (NGS), which is accessible on the internet at https://geodesy.noaa.gov/datasheets/ngs_map/.

For more documentation of the County’s Geodetic Control network see <http://www.co.kane.il.us/geodetic/index.aspx>.

3.0 Data Formats

In addition to the final record (as-built) drawings submitted in PDF format, a digital data file of the record plans shall be provided to the County in one of the following formats:

- esri – Geodatabase
- shp – ESRI ArcView format
- dwg – AutoCAD Format
- dgn – Microstation Design Format

An accompanying ASCII text file shall be included that describes the layers along with the layer numbers or layer names in the digital data file. All digital files shall be mapped to scale and submitted to the county on disc or flashdrive or file hosting type service.

4.0 Data Layering Requirements

In order to evaluate the accuracy and promote the efficient use of the data in the county’s GIS, digital file layering must be established in the files that allows unique element types on separate layers. No formal layering is required, but the following elements must be on separate layers:

County Line	Township Line	Section Line	Property Line
Road Centerline	Road ROW	Road Name	Road Dim
Lot Line	Lot Number	Lot Dim	Easement Line
Easement Text	Pavement Line	Pavement Striping	Surface Water Line
Surface Water Name	Railroad Centerline	Railroad ROW	Railroad Name
Railroad Dim	Building Lines	Storm Sewer	Storm Sewer Structures
Watermain	Watermain Structures	Sanitary Sewer	Sanitary Sewer Structures

Note: ESRI formats, the layering requirements refer to a layer or level field in the attribute file of the digital data file.

4.1 Annotation

Annotation submitted digitally shall be identical to the annotation submitted on the hardcopy filed with the Kane County Recorder Office. All other miscellaneous annotation and information such as north arrow and scale, shall be put on separate levels or as Misc Line/Misc Text.

4.2 Private Utilities

Private utilities such as gas, phone, electric, etc. will be accepted for any development but shall be clearly labeled and put on separate levels/layers.

4.3 Adjustments to these requirements

Kane County may wave or adjust requirements specified herein, upon a finding that the strict adherence of the requirements does not apply or is contrary to the long-term maintenance of the GIS of Kane County.

5.0 Contacts

Digital submissions and questions regarding the requirements listed here should be directed to:

Kane County Water Resources

719 Batavia Avenue

Geneva, IL 60134

630-444-3016

OrlikDeanne@KaneCountyIL.gov