



Information Technology

Geographic Information Services

May 14, 2014

Subdivision Plat Digital Submittal Standards

Upon development approval, all subdivisions are entered into the Geographic Information System (GIS). In order to expedite this process, we are accepting the subdivision plat information to be submitted digitally with the following conditions:

1. File Format

- a. The accepted file format is limited to AutoCAD drawings (.dwg) version R14 and higher.

2. Data Layers

- a. Only the features listed below should be included in the drawing. Each layer must have only its features on it.
- b. The import process is automated and the layer names should not be changed.
- c. The following table lists the required layers. If a subdivision does not have features of a specific type, then that layer can be omitted. For example, not all subdivisions will include blocks or newly dedicated right-of-way.

<u>Layer Name</u>	<u>Description</u>	<u>Element</u>	<u>Text Height</u>	<u>Text Location</u>
BLK	Block boundary	Line		
BOUNDARY	Subdivision boundary	Line		
CL	Road centerline	Line		
DIM	Lot dimensions	Text	5	Offset lot lines five feet inside the property
EASEMT	Easement width	Text	6	Between easement lines
ESMT	Easement lines	Line		
LOTLN	Lot lines	Line		
PBLK	Block number	Text	5	Best placement within the block boundary
PLOT	Lot number	Text	8	Center of property
ROW	Newly dedicated right-of-way	Line		
ROWDIM	Right-of-way width	Text	5	On centerline. Best placement near intersections
ROWNAME	Right-of-way name	Text	10	Best straight segment on centerline
SUBNAME	Subdivision name	Text	15	Best placement within the subdivision boundary



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3. Drawing Standards

- a. The drawing must be in model space and tied to the Colorado State Plane Coordinate System Colorado North, NAD 1983 U.S. Feet.
- b. Lines must be snapped to shared features.
- c. The subdivision and block boundaries must be complete and closed. None of the listed features should be located outside of the subdivision boundary.
- d. Only newly dedicated right-of-way within the subdivision boundary should be included. Any established right-of-way sharing the border of the subdivision boundary is not needed.
- e. Lot lines do not need to be drawn when they are coincident with right-of-way or the subdivision boundary.
- f. An optional "0" layer can be used to draw lines tracing back to quarter-section corners. These can be located outside of the subdivision boundary, because they are not imported into the GIS.
- g. All lot number and block number text must be within the boundaries of the feature it represents. Any additional text must be within the subdivision boundary.

A template containing all of the required layers may be requested from the GIS office.

CAD drawings can be delivered to gis@fcgov.com during the plan review process with each revision and when mylars are recorded.