Effingham County GIS Final Plat Submittal Form

Attachment for Digital Submissions

Effingham County has developed the digital plat submittal format and data standards contained in this attachment to the Final Plat Submittal Form. The format was developed to standardize all digital plat submissions between the developer/surveyor and Effingham County and to streamline the integration of this digital information into Geographic Information Systems datasets.

Each plat(s) or subdivision map(s) delivered to Effingham County, required by ordinance or policy, will be delivered digitally, in addition to standard hard copy documents on Mylar.

Digital files

- A completed digital drawing in DWG or DXF, AutoCAD version 13 format or later. This digital format drawing shall be an exact replica of any required and/or included data represented on the submitted hard copy drawing/document.

- An Adobe compatible PDF file of the drawing that will plot to scale must be submitted.

- This data must be provided on standard transfer media or by electronic transfer (CD-ROM or E-mail attachment). The submitted transfer media shall be labeled with the project name (subdivision name, or accepted job name, etc.), filing date, registered land surveyor or professional engineer's name and any other established project identifier.

Data Standards

- All drawings will be constructed in the Georgia State Plane Coordinate System in survey feet using North American Datum 1983 (NAD83). These coordinates must be established within sub-meter accuracy.

- All data shall be completed using standard graphics that require no "third-party" software.

- Digital linework must be topologically clean. Lines must be geometrically continuous and boundaries must be geometrically closed with no "undershoots" or "dangles" where boundaries intersect. The digital linework must not include "sliver polygons" (gaps or overlaps between properties). All traverse features will be "snapped" closed at intersections. Essentially, the digital version of the map must be of a high precision so that it can be easily converted to a GIS format.

- All features in the required layers should be closed polygons (polylines) or annotation (text) with the exception of benchmarks which are point features. Any features or text that are not organized into the specified layers may be placed into the miscellaneous feature layer and miscellaneous annotation layer.

Layer names, feature types, and descriptions:

1. BLDG (Polygon) – All existing building/structure footprint areas.

2. BM (Point) – All benchmark and geodetic monument locations.

3. BSL (Polygon) – All building setback areas.

4. BUFFER (Polygon) – All exclusion areas as required by ordinance(s).

5. COMAREA (Polygon) – All common areas inside the subdivision.

6. EAS (Polygon) - All existing and proposed easement areas located either inside or adjacent to the subdivision.

7. ESBWANNO – (Annotation) - All text describing **E**asements, **S**etbacks, **B**uffers, and **W**etlands.

8. MISCANNO – (Annotation) - Any additional (optional) plat text not included in the other required annotation layers defined in these standards.

9. PARCEL (Polygon) – All parcel boundary areas within the subdivision.

10. PARCELANNO – (Annotation) - All new PINs, lot numbers and street addresses for subdivision lots (individual or tabular).

11. ROW (Polygon) – All existing and new road and drainage right-of-way areas, located either inside or adjacent to the subdivision.

12. ROWANNO – (Annotation) - All existing and new street names and right-of-way widths.

13. SUBDIV (Polygon) - Subdivision boundary areas.

14. SURVEYANNO – (Annotation) - All survey data (bearings, distances, curve data, tie lines, etc.).

15. WETLAND (Polygon) – All existing delineated wetland areas either inside or adjacent to the subdivision.

16. FLOODPLAIN (Polyline) – All Flood Plain delineated areas either inside or adjacent to the subdivision.

17. WATERPIPES (Polyline) - All Potable Water Pipes.

18. WATERNODE (Points) – All non-linear water features except fire hydrants.

19. SEWERPIPES (Polyline) – All Sanitary Sewer Pipes.

20. SEWERNODE (Points) – All non-linear sewer features.

21. REUSEPIPES (Polyline) – All Reuse Pipes.

22. STORMWATER (Points) – All non-linear storm water features.

23. STORMPIPES (Polyline) – All linear storm water features.

24. STORMPONDS (Polygons) – All retention pond areas either inside or adjacent to the subdivision.

25. FIREHYDRANT (Point) – All Fire Hydrants

*Note: In AutoCAD, areas created by 3 or more polylines do not translate to 1 polygon in ArcGIS. In order to create a correct polygon, it is necessary to make an AutoCAD block of all associated polylines.

Any deviation from these standards will require prior approval from the County GIS Department or designated appointee.