

## **City of Gulfport Digital Data Submission Handbook**

The purpose of the digital record data submittal is to maintain the integrity of City of Gulfport's Geographic Information System.

In *addition* to the normal paper copies provided, the Planning Department will be provided an electronic copy of the final plat prior to submission to City Council for final approval. Planned building groups, commercial and industrial parks are to be submitted at the time of request for application for project approval.

Digital submittals will be accepted **only** if they adhere to the following criteria:

### **Media Format**

The plat submission shall be submitted via CD-ROM, or DVD.

### **File Format**

1. The plat submission shall be in one of the following formats to fulfill the purpose of transferring vector drawings into the city's Geographic Information System.

:

an AutoCAD .dwg file, preferably of the latest version but no older than five years older than the current version.

OR

ESRI GIS shapefile format. Shapefile format is actually a set of files. A .shp, a .shx and a .dbf are the mandatory minimum. However, .prj, .sbn, .sbx, .fbn, .fbx, .ain, .aih, .ixs, .mxs, .atx, .shp.xml and .cpg files may also be included.

OR

an ESRI GeoDataBase

2. The plat submission shall ALSO include a copy in .pdf format to fulfill the purpose of storing a digital image of the plat as it would look if printed on paper or similar media.

### **Quality Assurance**

The Digital submission shall conform to the Minimum Technical Standards as stated in Rule 21.0 Minimum Standards for Land Surveying as established by the Mississippi Board of Engineers and Land Surveyors. This digital format drawing shall contain within its layers an exact replica of any required and/or included data represented on the submitted hard copy drawing/document. 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**

1. All drawings will be constructed in the Mississippi State Plane East Coordinate System in feet using the NAD83 Datum and tied to two known monuments. See projection parameters and geodetic control network for further information.
2. 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.
3. All features should be closed polygons (polylines) or annotation (text) with the exception of benchmarks which are point features and road centerlines which are line features.

## **Layer names, feature types, and descriptions:**

Each applicant may utilize intuitive, unique layer names in lieu of the preferred layer names. Subsequent submittals from the same firm must use the previous layer names.

This is an example how those layer names might look.

BLDG (Polygon)	All existing building/structure footprint areas.
BM (Point)	All benchmark and geodetic monument locations.
SETBACK (Polygon)	All building setback areas located either inside or adjacent to the subdivision.
SETBACKANNO(Anno)	All text describing Setbacks
BUFFER (Polygon)	All exclusion areas as required by ordinance(s).
BUFFERANNO(Anno)	All text describing Buffers
CNTRLN (Line)	All Street centerlines
CNTRLNANNO (Anno)	Text describing the Full Street Name and any Hwy Designation or Honorary Name.
COMAREA (Polygon)	All common areas and storm water retention inside the subdivision.
EASEMENT (Polygon)	All existing and proposed Easement areas located either inside or adjacent to the subdivision.
EASEMENTANNO (Anno)	All text describing Easements
MISCANNO (Anno)	Any additional (optional) plat text not included in the other required annotation layers defined in these standards.
PARCEL (Polygon)	All parcel boundary areas within the subdivision.
PARCELANNO (Anno)	Lot numbers for subdivision lots (individual or tabular).
ROW (Polygon)	All existing and new road and drainage right-of-way areas, located either inside or adjacent to the subdivision.
ROWANNO (Anno)	All existing and new right-of-way widths.
SUBDIV (Polygon)	Subdivision boundary areas.

SURVEYANNO (Anno)	All survey data (bearings, distances, curve data, tie lines, etc.).
WETLAND (Polygon)	All existing delineated wetland areas either inside or adjacent to the subdivision
WETLANDANNO (Anno)	All text describing wetlands
FLDPLDES(Polygon)	FEMA FIRM Designation areas
FLDPLDESANNO(Anno)	All Text about FEMA FIRM Designation
TITLECERT(Polygon)	All titles, certifications, logos, north arrows, scale bars, frames, neatlines, table frames, etc...
TITLECERTANNO(Anno)	All Text about titles, certifications, logos, north arrows, scale text, table data, copywrites, notes and revision history etc...

### **Projection Parameters**

Projection parameters for the Mississippi State Plane East Coordinate System:

#### Projected Coordinate System:

Name: NAD\_1983\_StatePlane\_Mississippi\_East\_FIPS\_2301\_Feet

Projection: Transverse\_Mercator

Parameters:

False\_Easting: 984250.000000

False\_Northing: 0.000000

Central\_Meridian: -88.833333

Scale\_Factor: 0.999950

Latitude\_Of\_Origin: 29.500000

Linear Unit: Foot\_US (0.304801)

#### Geographic Coordinate System:

Name: GCS\_North\_American\_1983

Angular Unit: Degree (0.017453292519943299)

Prime Meridian: Greenwich (0.000000000000000000)

Datum: D\_North\_American\_1983

Spheroid: GRS\_1980

Semimajor Axis: 6378137.000000000000000000

Semiminor Axis: 6356752.314140356100000000

Inverse Flattening: 298.257222101000020000