Mont Belvieu, Texas GIS & CAD Submission Requirements

- A digital copy of the subdivision plat or replat shall be submitted as part of the final plat requirement and shall be in a geographic information system (GIS) or computer aided design (CAD) format.
  - Digital data will consist of all graphical elements representing the hard copy of the plat.
- All CAD files shall be submitted in .DWG format
- All GIS files shall be submitted in .SHP or .GDB format
- Digital submission shall be included with the original application, in addition to, any subsequent submissions requiring modification of the original data. Original data submission, modifications thereof, and final form approval of the plat, must include the following:
  - All features in layering template, including but not limited to: Subdivision boundary lines, lot lines, easement lines, street rights-of-way, the point-of-beginning and at least one other control point, street center lines.
  - Lot easement and subdivision boundary shall either be a closed polyline or be composed of single lines. All lot, easement, and boundary lines shall be broken by vertices only at line intersections, bearing changes or the start and finish of curves.
  - All street centerlines and easement lines can only be broken where the object starts or ends. There must not be gaps in continuous lines.
  - All line lengths shall represent true length. All elements in the drawing shall reside in the correct coordinate system.
  - CAD blocks may not cause gaps in any line or polyline when exported to one of the specified file formats.
- All digital submissions shall use the city coordinates system. The city coordinates system is State Plane 1983 / 2011 Texas South Central (US Feet)
- Raster data must be either in the form of an orthorectified TIFF or orthorectified JPEG
- GIS data shall also include metadata created conforming to the standards specified by the Federal Geographic Data Committee (FGDC) and in .PDF or a text based file format. Metadata shall be provided in keeping with FGDC guidance and may be obtained here: http://www.fgdc.gov/metadata/documents/metadataquickguide.pdf.
- The submitting party will be responsible for corrections and delivering final digital data to the city prior to recording of the final plat.