

DIGITAL PLAN SUBMITTALS – GENERAL GUIDELINES

The City of O’Fallon has implemented geographical information systems (GIS) technologies to store, manage, and maintain spatially-related (geographic) data. As a result, all Developers shall submit digital plans in accordance with the standards outlined below.

Minimum Submittal Milestone Requirements

All Developers shall submit digital plans according to the following milestones. Additional submittals may be required when the development plans are revised or at other times as determined to be appropriate by the City Engineer. Failure to submit appropriately formatted digital plans according to these milestones may result in delay of plan review, recording of final plats or denial of development requests.

Preliminary Plat	The Developer shall submit digital plans at the same time they submit a proposed or revised preliminary plat.	
Final Plat	Digital plans shall be submitted along with the Mylar showing the Final Plat as approved by the City Council.	
Record Drawings/As-Builts	As-Built digital plan drawings shall be submitted showing the location and details of the actual constructed improvements. The As-Built shall be submitted with a sealed cover letter from a Licensed Illinois Land Surveyor indicating that location and elevation of the following items shown in the As-Built have been verified under the direct supervision of the surveyor with an error of closure of not more than one foot in five thousand (1:5,000) feet.	
	Water System Items	1. Water System and Control Valves 2. Fire Hydrants (elevation references to include ground elevation and elevation of the bottom of the cap on the steamer fitting)
	Sanitary Sewer System Items	Manholes (include cover elevation, invert elevation(s) and pipe diameter(s))
	Storm Sewer System Items	1. Catch Basins & Area Inlets (elevation at bottom of throat, invert elevation(s) and pipe diameter(s)) 2. Manholes (include cover elevation, invert elevation(s) and pipe diameter(s)) 3. Pipe Inlets (include invert elevation and pipe diameter) 4. Pipe Outfalls (include invert elevation and pipe diameter)
	Property Corners	Property Corner Pins
Commercial or	The Developer shall submit digital plans at the time they submit a	

Industrial Site Plan	proposed or revised commercial or industrial site plan in cases where they propose to dedicate to the City any infrastructure to be built on that site.
City Contract Work	Design professionals performing work for the City may be required to submit electronic plans of their work when plans are submitted for approval and shall be required to submit digital as-built drawings as required by the City Engineer.

Datums

Submissions will use the following Geographic Projection and Datum:

<i>Projection:</i>	State Plane Illinois West
<i>Horizontal datum:</i>	NAD83 (North American Datum of 1983)
<i>Vertical Datum:</i>	NAVD88 (North American vertical Datum of 1988)
<i>Datum Conversion:</i>	NADCON
<i>Unit of Measure:</i>	US Survey Foot

Digital File Requirements

The City Engineer will publish a electronic digital file submittal standard. This standard will be updated from time to time based on industry standards.