

DETENTION BASIN CERTIFICATION

The professional engineer in responsible charge of the design of the detention/retention facilities shall certify to the City of Shawnee that the facilities have been constructed in accordance with the approved plans.

The engineer shall complete a field survey of the detention/retention facilities to verify as-built elevations and dimensions.

The engineer shall submit as-built drawings and as-built information of the detention/retention facilities including, but not limited to, the following:

- Storage capacity;
- Basin side slopes (i.e. 4:1);
- Elevations and dimensions of the primary hydraulic control structure;
- Elevations and dimensions of the emergency spillway;
- freeboard
 - 100-year water surface elevation in basin and bottom of emergency overflow weir
 - 100-year water surface elevation in emergency overflow weir and top of basin
- As-built release rates for each design storm;
- As-built water surface elevations for each design storm.

The as-built drawing shall include both the design value (crossed-out) and the as-built value. The as-built drawing shall be signed and sealed by the engineer.

The following statement shall be placed on the as-built drawings: “I certify an as-built field survey has been completed and the constructed detention/retention facilities comply with the design criteria and construction standards of the City of Shawnee.”

The City of Shawnee will not issue building permits for residential subdivisions or issue a temporary certificate of occupancy for commercial developments until the certification is submitted and approved by the City.