

February 15, 2023

Mr. Ed Beaudry
Chief Building Official
City of Osawatomie
509 5th Street
Osawatomie, KS 66064

9001 State Line Rd., Ste. 200
Kansas City, MO 64114
[P] 816.361.0440
[F] 816.361.0045
LampRynearson.com

**Re: 5th Street Terrace Subdivision
Preliminary Submittal – Stormwater Management Approach**

Dear Mr. Beaudry:

The proposed 5th Street Terrace subdivision consists of 26 single-family residential lots, and 5 tracts with an average lot size of approximately 1/4 an acre. This includes 3 residential lots along Chestnut Avenue that will be replatted to provide conforming lot sizes and lot geometry that compliments the proposed subdivision.

A typical 26-foot street section with curb and gutter and sidewalk on one side of the road is proposed for 5th Street Terrace. A stormwater conveyance system will be designed to capture runoff with on grade and sump curb inlets along the street. Additional area inlets will be placed near rear property lines at select locations to pick up rear lot runoff and offsite runoff from existing homes and businesses. The storm sewer system will discharge the runoff to a detention basin located in the southeast corner of the property. The basin will receive runoff from the subject subdivision and tributary offsite drainage areas. The captured offsite drainage areas will offset bypass flow from onsite drainage areas that are not routed to the detention basin.

The proposed stormwater management basin will be designed to limit post-development discharge rates to pre-development discharge rates, using APWA 5600 methodology, for the 50%, 10% and 1% storm events.

Sincerely,

LAMP RYNEARSON



Dan McGhee, P.E.
Senior Project Manager

cc: Project File

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