



**LEE'S SUMMIT**  
MISSOURI

**DESIGN & CONSTRUCTION MANUAL**  
**DESIGN CRITERIA MODIFICATION REQUEST**

PROJECT NAME: Summit Point Apartments, Phase II

ADDRESS: 504 NE Chipman Road

PERMIT NUMBER: PL2022056, Commercial Final Development Plan

OWNER'S NAME: Summit Point Phase II, LLC

TO: Deputy Director of Public Works / City Engineer

In accordance with the City of Lee's Summit's Design and Construction Manual (DCM), I wish to apply for a modification to one or more provisions of the code as I feel that the spirit and intent of the DCM is observed and the public health, welfare and safety are assured. The following articulates my request for your review and action. (NOTE: Cite specific code sections, justification and all appropriate supporting documents.)

Please see attached Letter and Exhibit

SUBMITTED BY:

NAME: CFS Engineers, PA, Thomas E. Ingram, PE

ADDRESS: 1421 E 104<sup>th</sup> St, Kansas City, MO 64131

CITY, STATE, ZIP: \_\_\_\_\_

Email: tingram@cfse.com

( ) OWNER (X) OWNER'S AGENT

PHONE #: (913) 620-4084

SIGNATURE: [Signature]

KENT MONTER, P.E.

DEVELOPMENT ENGINEERING MANAGER

SIGNATURE: Kent Monter DATE: (X) APPROVAL July 27, 2022 ( ) DENIAL

Kent Monter  
I have reviewed this  
document  
2022.07.27 10:39:28-05'00'

JEFF THORN, P.E.

WATER UTILITIES ASSISTANT DIRECTOR OF ENGINEERING SERVICES ( ) APPROVED ( ) DENIAL

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

GEORGE M. BINGER III, P.E.

DEPUTY DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

SIGNATURE: David Lohr DATE: (X) APPROVED 7-27-2022 ( ) DENIAL

COMMENTS: I have reviewed the waiver request letter submitted by CFS Engineers and I concur with their findings and Gene Williams recommendation for approval of the design modification (waiver) request.

**A COPY MUST BE ATTACHED TO THE APPROVED PLANS ON THE JOB SITE**



One Vision. One Team. One Call.

July 12, 2022

1421 E. 104th Street  
Suite 100  
Kansas City, Missouri 64131  
(816) 333-4477 Office

cfse.com

Other Offices:  
Kansas City, Kansas  
Lawrence, Kansas  
Holton, Kansas  
Topeka, Kansas  
Springfield, Missouri  
Jefferson City, Missouri

To: Kent Monter, PE  
Lee's Summit Public Works  
Development Engineering Manager

220 SE Green Street  
Lee's Summit, Missouri 64063  
816-969-1229

Kent.Monter@cityofls.net

Re: Summit Point Apartments  
Request for a Waiver  
20 ft Clearance Between a Building and  
Maximum 100-Year Overflow Elevation  
Under Clogged Outlet Conditions  
CFS Project #21-5065

Dear Kent,

On behalf of the Developers of the proposed Summit Point Apartments, CFS Engineers, PA, would like to request a waiver from the City's requirement for providing a minimum 20 ft setback between a proposed building and the peak 100 year water surface elevation for the clogged condition/zero available storage in a stormwater detention basin (See Exhibit-1, Detention Basin Setback Waiver).

Board of Directors:  
Kenneth M. Blair, P.E.  
Kevin K. Holland, P.E.  
Daniel W. Holloway, P.E.  
Lance W. Scott, P.E.  
Sabin A. Yañez, P.E.

Senior Associates:  
Aaron J. Gaspers, P.E.  
Michelle L. Mahoney, P.E.  
Michael J. Morrissey, P.E.  
Todd R. Polk, P.E.  
Lucas W. Williams, P.E.

Associates:  
Adam M. McEachron, P.E.  
Gene E. Petersen, P.E.  
Andrew Robertson, PE, PTOE, PTP  
Jimmy L. Adams, CWI  
Casey Moore

The Summit Point Apartments has a proposed stormwater detention basin located by the northeast corner of the site, and the proposed multi-family residential building C1-2 would be located directly to the west. Drainage calculations were performed for the proposed stormwater detention basin to calculate the maximum 100-year water surface elevation in the event that the primary outlet works were clogged. The proposed building C1-2 has a finish floor elevation of 1005.00 ft (there is no basement). The proposed stormwater detention basin was designed with a 30 ft wide emergency overflow spillway with a crest elevation of 1001.31 ft. In the event that the detention basin was completely full up to the emergency overflow spillway's crest elevation and the outlet pipes were completely clogged and unable to convey any outflow, the maximum water surface elevation from a second 100-year storm event was calculated to rise to approximately 1002.31 ft. Based on the grading configuration for the proposed stormwater detention basin and the location of proposed multi-family residential building C1-2, the closest separation distance between the building wall and the peak 100-year clogged water surface elevation would be approximately 16.0 ft. The building's finish floor elevation of 1005.00 ft would be 2.69 ft higher than the peak 100-year clogged water surface elevation of approximately 1002.31 ft.

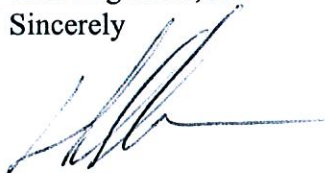


On the eastern side of the proposed stormwater detention basin, the peak 100-year clogged water surface elevation of approximately 1002.31 ft would be approximately 15.0 ft from the east property line of the site. The neighboring houses in the English Manor residential subdivision are setback approximately 20 ft from the property line, and would be over 35 ft from the peak 100-year clogged water surface elevation.

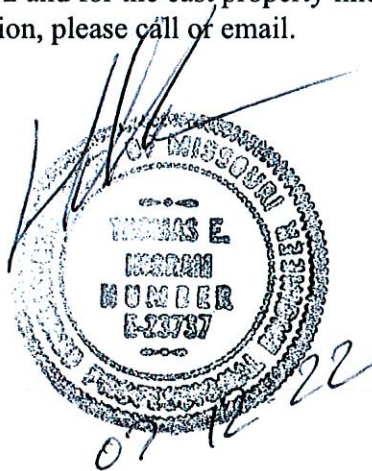
The proposed stormwater detention basin was designed with an outlet structure utilizing a 4 inch diameter low-flow orifice at flowline 994.85 ft, and a 33 inch wide rectangular overflow weir at crest elevation 997.50 ft. The calculated 100-year water surface elevation with the proposed outlet structure operating unobstructed was approximately 1000.81 ft.

The finish floor of Building C1-2 would be approximately 2.69 ft higher and separated by a distance of approximately 16.0 ft from the limits of an extreme storm event with 100-year clogged conditions in the site's stormwater detention basin. The eastern property line would be approximately 15.0 ft from the extreme storm clogged conditions limits. Based on the elevation difference between the building and the extreme clogged flood condition limits, CFS Engineers, PA, is requesting that the City grant the project a waiver from the minimum 20 ft setback to a 15 ft setback distance for Building C1-2 and for the east property line. If you have questions or need additional information, please call or email.

CFS Engineers, PA  
Sincerely



Thomas E. Ingram, PE





[illegible]