LEE'S SUMMIT
MISSOURI

DESIGN & CONSTRUCTION MANUAL
DESIGN CRITERIA MODIFICATION REQUEST

PROJECT NAME: Mega Storage

ADDRESS: 620 NE Town Center Drive

PERMIT NUMBER: PL2022044

OWNER'S NAME: Mega Storage 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) Seeking a Waiver to section 8.620.F.1 See attached letter, but we are proposing an alternate pavement section for the private paving that has equal capacity to the code required section and exceeds the design requirements for the project

SUBMITTED BY:
NAME: _Rone Engineering_____ ( ) OWNER (X) Owners agent_
CITY, STATE, ZIP: Stilwell, KS, 66085_____
Email: krotert@roneengineers.com_____ SIGNATURE:

KENT MONTER, P.E.
DEVELOPMENT ENGINEERING MANAGER ( ) APPROVAL ( ) DENIAL
SIGNATURE: _____ DATE: _____

JEFF THORN, P.E.
WATER UTILITIES ASSITANT DIRECTOR OF ENGINEERING SERVICES ( ) APPROVED ( ) DENIAL
SIGNATURE: _____ DATE: _____

GEORGE M. BINGER III, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS/CITY ENGINEER ( ) APPROVED ( ) DENIAL
SIGNATURE: _____ DATE: _____

COMMENTS: _____

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

RONE ENGINEERING
EST: 1972

GEOTECHNICAL ENGINEERING
EARTHWORKS CONTROL
ENVIRONMENTAL CONSULTING
CONSTRUCTION MATERIAL TESTING

March 10, 2022

Mr. Mike Weisenborn
Development Center
220 SE Green Street
Lee's Summit, MO 64063

RE: Mega Storage Project
620 NE Town Center Dr.
Lee's Summit, MO

Dear Mr. Weisenborn:

Rone Engineering Services, Ltd have been requested to review the pavement design for the Mega Storage project and the City of Lee's Summit requirements for a 4 inch aggregate base beneath the concrete pavement section. It is MegaStorage's desire to eliminate the aggregate section.

Rone Engineering has evaluated the asphalt and concrete sections in the city municipal code Section 8.620.F.1 and the Mega Storage desired section of 6 inches of Portland Cement Concrete over a minimum of 9 inches of prepared soil subgrade. Using the American Concrete paving Association software winPAS, Rone evaluated the concrete section as well as the asphalt section shown in the same section of the city code corresponding to those sections.

The results of the WinPAS evaluation is that the desired section of 6 inches of concrete directly on a minimum 9 inches of compacted soil subgrade has an ESAL capacity equal to the city section, and twice the design capacity of the project.

Please call if you have any questions. We look forward to working with you on the project.

Respectfully submitted,

Kelly E Rotert, P.E.
Executive Vice President

cc Kevin Henter