



# LEE'S SUMMIT MISSOURI

## DESIGN AND CONSTRUCTION MANUAL DESIGN MODIFICATION REQUEST

PROJECT NAME: Aria

PREMISE ADDRESS: Generally located SW of the intersection of NE Douglas Road & Lee's Summit Road

PERMIT NUMBER: \_\_\_\_\_

OWNER'S NAME: Unity Realty, LLC

TO: The City Engineer

In accordance with the Lee's Summit Design and Construction Manual (DCM) Section 1002.A, I wish to apply for a modification to one or more specification (s). The following articulates my request for your review and action. (NOTE: Cite specific code sections and engineering justification and drawings.)

A waiver is requested for hydraulic grade line (HGL) above the top of pipe (outlined in Section 6501.D.2.a of Lee's Summit Design Criteria) for the following reasons:

- There is a tailwater condition that occurs within the north and south sanitary sewers coming to the Lee's Summit Road Pump Station (LSRPS). The tailwater condition is necessary in order to utilize the equalization flow holding basin (EFHB) located adjacent to the LSRPS. The tailwater condition causes the existing, proposed, and ultimate buildout flow conditions to surcharge the line segment from MH #10-005 to MH #10-006 for the south sanitary sewer, and MH #10-005 to MH #10-003 on the north sanitary sewer.
- The proposed connection for Development Area 1 is MH #10-003 on the north sanitary sewer. The proposed connection for Development Area 2 and 3 is MH #10-007 and MH #10-010 (respectively) on the south sanitary sewer. All proposed connections to the sanitary sewer are located upstream of the surcharged condition described for the north and south sanitary sewers.
- Based on discussions with City staff, it is believed that the EFHB has not been used since construction (1991), and only one pump has had to operate at one time at the LSRPS. For this reason, it is believed that sufficient excess capacity is available for ultimate buildout of the upstream basins.

SUBMITTED BY:

NAME: Marshall Davis ( ) OWNER (x) OWNER'S AGENT

ADDRESS: 1301 Burlington, Suite 100 Tel.# (816) 361.1177

CITY, STATE, ZIP: North Kansas City, MO 64116

Email: mrDavis@olsson.com SIGNATURE: 

### Development Services

220 SE Green Street | Lee's Summit, MO 64063 | P: 816.969.1200 | F: 816.969.1221 | cityofLS.net

FORWARDING MANAGER: \_\_\_\_\_ RECOMMENDATION    ( ) APPROVAL        ( ) DENIAL

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

GEORGE BINGER III, P.E. – CITY ENGINEER:            ( ) APPROVED            ( ) DENIED

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

COMMENTS \_\_\_\_\_

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**A COPY MUST BE ATTACHED TO THE APPROVED PLANS**