



Date: June 15<sup>th</sup>, 2020

City of Lee's Summit, MO  
Development Services  
220 SE Green Street  
Lee's Summit, MO 64063

**RE: Osage First Plat – Water**

We are responding to your comments dated April 3<sup>rd</sup>, 2020 and are submitting with this letter revised plans, as well as other required documents. Please find the original comments below; our responses are below in ***bold italics***.

If you have any questions or need additional information, please do not hesitate to contact us.

Thanks,

A handwritten signature in blue ink that reads "Brock Worthley".

Brock Worthley

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### **Engineering Review – Corrections**

1. Sheet 306: It appears the water main will exceed 7 feet of cover at the storm line crossing. Can the storm line be adjusted? Are there any alternatives, such as placement of the water line above the storm line, and construction of a "doghouse" insulation cover over the water main, to prevent freezing? This would be the preferred method (i.e., installed above the storm line), due to the fact that water lines frequently fail, and maintenance would be much easier if the water line were installed above the storm line.

***Water line 2 vertical bends removed. The water pipe has been adjusted to run above the storm pipes with insulation on parts that are less than 42" below ground.***

2. The layout of the water line does not follow the approved Preliminary Development Plan in terms of providing a connection beneath M-150. Two connections are shown along Pryor Rd., which was not the intent. Please see the approved Preliminary Development Plan for more information.

***Per discussions, the water main layout has been revised so Water Line 1 connects to the existing water main north of M-150. Due to the proximity of the existing/proposed storm and the water line needing to be bored under the highway, the water main is deeper than 7' in some spots. The existing main is also deeper than 7' causing the main to run deeper than desired.***