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Loic Nguinguiri, E.I.  
Development Services  
City of Lee's Summit, MO  
220 SE Green St  
Lee's Summit, MO 64063

Re: St. Luke's East – Flex Facility Pre Utility Work  
Application # PL2019390  
McClure Project # 190891-000

Dear Loic:

Enclosed are revised plans on the above-referenced project. These plans have been revised in accordance with the City review comments. The written response following the City comment (in **bold**) is to indicate the actions taken to address your comments. The numbering system utilized corresponds to the City review comment numbers.

1. General: Please include building edge line and the helipad footprint in the legend.

**Acknowledged. Plans have been revised to include the proposed future building outline and the helipad in the legend.**

2. General: The FEMA floodplain information is outdated. Please update the FEMA flood note.

**Acknowledged. FEMA floodplain note has been updaed on the Cover sheet.**

3. General: Please include the general note: The contactor shall contact the City's Development Services Engineering Inspectors 48 hours prior to any land disturbance work at (816)969-1200.

**Acknowledged. The general note has been added to the Cover sheet.**

4. General: Sanitary and Storm (private) pipes appear to be less than 5' from tree(s). Please consider increasing the distance.

**The trees within 5' of utility lines will be removed prior to the utility work. Plans revised to**

**show tree removal.**

5. General: Before resubmittal, Please revise (or update) quantities for 15" RCP, 45 degree horizontal bend and 22.5 degree horizontal bend.

**Acknowledged. The quantities on the cover sheet has been updated per revisions made to the water line. 15" RCP quantity did not change.**

6. Water: It looks like the water pipe, to be disconnected and removed, runs from STA 0+00 to STA 3+75.29. Please revise.

**The waterline is being rerouted to extend further south and remain out of the proposed future building and helipad limits. The existing line between the proposed connection points will be disconnected and removed. Existing line faded back for clarity.**

7. Water: The City's minimum cover water main is 3.5'. Despite being mentioned in general note 6, the depth does not appear to meet the minimum requirement at several stations on the profile view. Please adjust.

**Waterline depth adjusted to have a minimum of 3.5' cover throughout.**

8. Water: Please revise on profile view the following concern: from STA 1+07 to STA 1+50, the difference of elevation between the edge of water pipe and existing ground appears to be less than 18 inches. According to section 2102.4 of the Design and Construction manual: When pipe is to be installed in embankment or fill, the embankment shall be constructed in accordance with APWA Section 2102.6 and shall be built up to a plane at least 18 inches above the top of the pipe prior to the excavation of the trench.

**Proposed waterline adjusted to have a minimum of 3.5' of cover at all locations.**

9. Water: Utilities, such as electric conduit or fiber optic, appear to be within the 6 inches space reserved for bedding aggregate. Please provide clarification or explanation regarding the concern.

**All conduit and fiber optic will be relocated at a later date. Waterline depth adjusted to allow 6" of clearance from all existing utilities to avoid conflicts during installation.**

10. Water: The two parallel water lines at STA 2+46.45 and STA 2+66.96 appear to be domestic service lines. Please disregard the previous comment issued and just make sure that they connect to the new water main. However, those shall not be labeled as FPW (Fire Protection Water) lines.

**Acknowledged. Parallel water lines revised to be labeled as domestic service lines and are tied into the proposed water.**

11. Water: The City does not recommend 90 degree bends on water mains. Please revise to (2)

45 degree bends.

**Acknowledged. Water line alignment adjusted to propose 45 degree bends in replacement of the 90 degree bends.**

We hope that we have adequately addressed each one of the above-referenced review comments and look forward to the approval of this submission. Please call or email should you have any questions regarding the above comments.

Very truly yours,

A handwritten signature in black ink that reads "Matt Eblen". The signature is written in a cursive, flowing style.

Matt Eblen, P.E.