



February 1, 2023

Gene Williams
Lee's Summit – Development Services
220 SE Green Street
Lee's Summit, MO 64063

RE: Application Number: PL2023001/PL2023002
Sanitary Sewer and Water Main Relocation
HCA LSMC ASC
Response to Review Comments Sent 1/24/23

Dear Gene,

We are in receipt of comments regarding the HCA LSMC ASC utility relocations located at 1950 SE Blue Parkway. We have combined responses to both comment letters as the two plan sets have been combined into one set. See below for your original comments and our respective responses.

Water Main Relocation and Abandonment

Engineering Review

1. Please refer to the separate markup for the overall geometry changes needed for the project. This markup represents a schematic overview of the existing 6-inch line abandonment and geometric revisions to the project. Please revise as appropriate, and callout the specific abandonment procedures listed in the Design and Construction Manual.

Response: In discussions with staff, we will no longer be relocating the water mains and will simply remove/abandon the existing 6" water main. The owner has a preference to fully remove the main within the project improvements, however the rest of the water main will be abandoned in place. Notes are included on the general layout sheet as it relates to the abandonment of the water main.

2. A trenching and backfill detail was missing. Please provide a trenching and backfill detail and ensure the new July 2020 standard of 12 inches aggregate over top of pipe is shown.

Response: A pipe bedding detail has been added to the detail sheet.

3. The 6-inch water main to the west of SE Cumberland Dr. shall be abandoned to the first water user. According to our records, the first water user on the 6-inch line along SE Blue Pkwy. is the bank at the northeast corner of Todd George Pkwy. and SE Blue Pkwy.

Response: Notes are included on the general layout sheet as it relates to the abandonment of the water main, as well as verifying in the field the last service connection on the main.



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4. The abandonment procedure shall consist of the placement of a fire hydrant at the end of the line, just east of the bank connection point. This should be shown as an inline fire hydrant assembly rather than an offset assembly. Please field verify all information regarding this first water customer on SE Blue Pkwy. , as this will dictate where the abandonment will take place.

Response: Notes are included on the general layout sheet as it relates to the installation of the fire hydrant on the end of the line, as well as notes relating to field verification of the last service connection.

5. A cost estimate should be submitted along with your final submittal drawings. This shall be required prior to formal approval of the plans..

Response: A preliminary cost estimate is included with the resubmittal for review.

Sanitary Sewer Relocation

Engineering Review

1. Please refer to the supplemental diagram showing the general schematic of the desired sanitary sewer alignment. In addition, please see supplemental plan sheet 15 from the City of Lee's Summit Capital Improvement Project to upgrade the sanitary sewer lines in this area. This sheet should be used to set flowlines for the relocated line and to ensure the crown of the new 12-inch sanitary line is at or below the incoming 8-inch line serving this project.

Response: The sanitary alignment has been revised to pull it closer to the right-of-way and keep it from under the proposed drive adjacent to the building. There are some existing utilities at the southwest corner of the property that are pushing us to position the new upstream manhole north of the suggested location. The downstream flowlines now take into account the future City improvements to the receiving sanitary main.

2. Details shall be required for sealing the existing manhole in the form of a note (i.e., the manhole just south of manhole A1). Is this City manhole number #68-101? If so, please label this manhole with the city manhole number.

Response: Notes have been added to the plan regarding sealing the existing manhole, as well as including the manhole number.

3. A trenching and backfill detail appeared to be missing. Please provide a trenching and backfill detail, and ensure it shows the 12 inches of aggregate over the top of pipe.

Response: A pipe bedding detail has been added to the detail sheet.

4. The standard detail for sanitary sewer service connections (i.e., wye connections) was missing. Please provide the standard detail in the plans.

Response: The requested detail has been added to the detail sheet.

5. North arrow appears incorrect on Sheet 3.

Response: The north arrow has been corrected.



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If you have any questions on any of the above, please feel free to call me at 913-663-1900 or email me at eric.byrd@ibhc.com.

Sincerely,



Eric Byrd, P.E.
Senior Project Engineer



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