



March 16th, 2021

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

**RE:** Engineering Plan Review PL2020269

We are responding to your comments dated March 4th, 2021 and are submitting with this letter, the revised plans. Please find our responses to your plan markups below.

If you have any questions or need additional information, please do not hesitate to contact me by phone at (816) 442-6056 or by email at [nheiser@olsson.com](mailto:nheiser@olsson.com).

Thank You,

A handwritten signature in black ink, appearing to read "Nick H.", written over a horizontal line.

Nicholas D. Heiser

### Engineering Review (Sue Pyles)

1. *Sheet 01: Revised the water contact to Water Utilities department, at 816-969-1900.*

RESPONSE: Item has been revised as requested.

2. *Sheet 02:*

- *Label the perforated underdrain on the sheet.*
- *Please included outlet protection for the basin outlet and temporary pipe. Provide calculations to show the design is adequate for the expected discharge. Be sure to dimension it on the plans for constructability.*
- *Does a swale section need provided for the areas upstream and downstream of the temporary pipe? Please review and included if deemed necessary.*

#### RESPONSE:

- The perforated underdrain is now labeled on the sheet.
- Riprap information has been added for the basin outlet culvert. Riprap has not been provided on the temporary pipe due to the desire to minimize the amount of disturbance at the crossing as the pipe and crossing are only temporary. Once the pipe is removed at the end of construction, any downstream erosion will be corrected.

- A swale section should not be necessary upstream or downstream of the temporary pipe as the area is an existing natural drainage path. Minimal grading in the area is also desired to reduce the area of disturbance.

3. *Sheet 04*

- *Is the drawing labeled "Pond Outlet C1" supposed to be Section B-B of the Special Inlet Structure Detail?*
- *Revised the Special Inlet Structure Note 2 concrete reference to KCMMB concrete?*

RESPONSE:

- Yes, and a "Section B-B" label has been added to the plans for clarity.
- Concrete reference note has been revised.

4. *Sheet 05*

- *Where is the TCE located on this project? Please denote access.*
- *Is the intent to construct this as a sediment basin which will be converted to a detention basin in the future? That doesn't seem to make sense given that the construction area is downstream. If not intended as a sediment basin, please revised the Erosion Control Phasing Chart accordingly.*
- *Please included the type of biodegradable turf reinforcement mat in the plan set.*
- *Silt fence is not an appropriate BMP for outlet structures. Please revise.*

RESPONSE:

- Access will be from the Aria Apartments site northeast of the proposed basin, which is the reason for the temporary storm pipe. A gravel hatch has been added to Sheet 05 to show the extent of the entrance.
- This basin is not intended to be a sediment basin. The Erosion Control Phasing Chart has been updated accordingly.
- The TRM product, North American Green SC150, has been added to the legend.
- The silt fence directly downstream of the basin outlet culvert has been removed and replaced with riprap.

5. *Please include a full detail for construction of the Outlet Structure in the plan set.*

RESPONSE: Additional structure dimensions and all FL's have been added to the Outlet Structure Detail to assist in pre-fab manufacturer detailing.

6. *Please submit and Engineer's Estimate of Probably Construction Costs.*

RESPONSE: An Engineer's Estimate has been attached with this resubmittal.