



March 8, 2021

Gene Williams, P.E., CFM
City of Lee's Summit
220 SE Green Street
Lee's Summit, MO 64063

DCI - Lee's Summit (PL2019246)
2001 NW Shamrock Avenue Detention Pond As-Built Responses

Dear Mr. Williams:

Thank you for your initial review of the DCI – Lee's Summit Detention Pond As-Built. Please see below for the responses to the comments provided to us dated February 19, 2021.

Comments and Responses:

Plan Information and Fees

1. Sheet C7.3 was referenced on the original approved plan, but was crossed-out and not provided. This plan sheet (as-built), or appropriate detail sheet should be provided.
Response: Record Sheet C7.3 is provided in this resubmittal.
2. What is the height of the berm just south of the depressed area in the southeast portion of the site? Interpolating, it would appear just slightly higher than 961.0, perhaps 962.5? Establishment of the height of this berm is important to provide protection to adjacent property owners to the south, in particular, the home just south of the depressed area.
Response: The minimum elevation of the top of berm south of existing inlet AI #1202 is 961.12 as shown on Record Sheet C5.0.
3. Why are the dimensions of the rip rap crossed-out? Were these not measured?
Response: The dimensions of the rip rap outlet protection at structures B1 and D1 are 10' and 11' in length respectively as shown on Record Sheet C5.0.
4. The flowline elevations for the four (4) 4 inch orifices do not match the approved drawings shown on Sheet C7.3 and dated Jun. 29, 2020.
Response: The record elevations of the 4 inch orifices are shown on Record Sheet C7.3. The as-built elevations of the pond outlet control structure are incorporated in the record drainage design summary.
5. The flowline elevations for the water quality 1 inch orifices do not match the approved drawings shown on Sheet C7.3 and dated Jun. 29, 2020.
Response: The record elevations of the 1 inch orifices are shown on Record Sheet C7.3. The as-built elevations of the pond outlet control structure are incorporated in the record drainage design summary.
6. Typically proposed elevations for those features noted above are presented, along with the as-built elevation shown next to it/over it, etc. with the original proposed elevation crossed-out. This should have been done.
Response: Noted. As-Built elevations of the pond outlet structure are included on the Record Sheets C5.0 and C7.3 as well as the record drainage design summary.

7. It would appear a new stormwater report is warranted based on the significant differences in plan versus as-built elevations of the orifices within the outlet structure. The report must address whether allowable release rates are achieved with the new configuration, the new 100 year water surface elevation for the nominal condition, as well as the 100 year water surface elevation for the 100% clogged/zero available storage condition.

Response: The Record Drainage Summary Report is provided with this resubmittal.

8. Is the minimum "top of dam" elevation 968.8? If so, please specify on the as-graded plan.

Response: A note has been added to Record Sheet C5.0 specifying the minimum top of berm elevation 968.74.

Best Regards,

Catalyst Design Group



Chandler Walker