

June 7, 2022

**Re: Highland Meadows 5<sup>th</sup> Plat – Street/Storm Record Drawings**

Anderson Engineering has received your comments dated May 20, 2022 and have the following responses:

City of Lee's Summit – Asbuilt Review – Street/Storm  
Sue Pyles, P.E. – (816) 969-1245

**General:**

- Please revise the As-Built certification, shown on each sheet, to reflect the correct option in the brackets ("provided by others" OR "obtained by my firm"). **The certification has been revised to say "obtained by my firm".**
- Please update the Stormwater Drainage Study based on the comments below. **Stormwater study will be revised as necessary based on as-built conditions.**

**Sheet C202:**

- Since there were some significant pipe slope changes, please update the Storm Sewer Drainage Calculations table to verify velocity requirements are still being met. **Pipe calculations have been updated.**

**Sheet C203:**

- There is a typo in the Structure 100A flowlines in both Plan and Profile views. **Typo has been corrected.**
- The designed flowlines need crossed out at Structure 401 in the Plan view. **Acknowledged.**
- Storm Line 100 does not meet the minimum fall requirement of 0.2' across Structure 201. Please verify elevations. **Elevations have been verified and revised accordingly.**
- Please provide an as-built FL(Out) elevation at Structure 401 in the Profile view. **Flowline has been provided.**

**Sheet C204:**

- The FL(Out) elevation shown in the Storm Line 200 Plan and Profile at Structure 201 seems in error and does not match the elevation shown in the Storm Line 100 Plan and Profile. **Flowline has been verified and revised accordingly.**
- The Structure 302 rim elevation does not match between Plan and Profile views. **Rim elevation has been verified and revised accordingly.**
- The Structure 300 FL(In) elevation shown in the Plan view does not match the elevation shown in Profile view and appears incorrect. **Flowline has been verified and revised accordingly.**

- Please provide as-built FL(Out) elevations at Structures 200 & 300 in the Profile views. **Flowline elevations have been added.**

Sheet C205:

- Please provide an as-built elevation for the CL SW 12<sup>th</sup> Street in the Detention Basin Length Section. **Elevation has been added.**
- Based on revisions to grades, pipe flowlines, and orifice comments (below), please update the Water Surface Elevation, Outlet Discharge Rates and Emergency Spillway Calculations shown on this sheet. **Requested information has been revised accordingly.**

Sheet C503:

- Please provide as-built elevations for the 7' x 0.5' Rectangular Orifice in the Front Elevation and the 4' x 0.5' Rectangular Orifice in the Side Elevation. **Elevations have been added.**
- Based on field examination, the orifice plate was installed upside down and the hole sizes are being modified. Based on this information, combined with other structure orifice elevation changes from design, please remodel the basin calculations and update all of the volume and WSE information shown on this sheet and other applicable sheets. **The orifice plate will have 1.5" orifices on the top and bottom rows as shown in the as-built plans. The drainage study and information included reflects this modification to the original design. A skimmer has been re-installed temporarily until both phases of neighborhood homes can be constructed and re-establish 70% vegetative cover.**

If you have any further questions, feel free to contact me at 913-284-9362 or by email at [gcates@ae-inc.com](mailto:gcates@ae-inc.com).

Sincerely,



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