September 28, 2022

Griffey Engineering, Inc.
406 N Center St.
Eustis, Fl 32726

RE: Howey-in-the-Hills
Response to Comments Received on 04/19/2022
CWI Job # 21-04-0008

To whom it may concern:

Thank you for your time in reviewing the above project. Please find enclosed copies of the following information for your review and approval of the above referenced project:

1. Engineering Plans with Mass Grading
2. Stormwater Calculations Exhibits
3. Revised Master Fire Flow Calculations

In addition to the above information, we offer the following responses to the comments provided on the last submittal. Each comment is listed below (**bold**) followed by our response in *italics*.

General Comments

1. **Additional comments may be added to these with the reviews of subsequent submittals.**

   Response: Comment noted.

Mass Grading Plan

1. **This work will require an ERP permit from SJRWMD and an encroachment approval from Duke Energy.**

   Response: A submittal was made to the SJRWMD on 9/14/2022 and is currently in review. A copy of the ERP permit can be provided upon receipt.

2. **In the notes, change the "City of Orlando" references to "Town of Howey-in-the-Hills"**

   Response: The references to "City of Orlando" are changed to "Town of Howey-in-the-Hills" on the revised plans. Refer to sheet C101.

3. **Show the flood prone areas on the existing and proposed plans.**

Response: The flood zones are shown on the revised Existing Conditions Plan and Mass Grading Plan. Refer to sheets C150, C500-C504.

4. **Identify the sizes of the existing CMP pipes that are to be removed.**

Response: The pipe sizes being removed are shown and called out on the Mass Grading Plan. Refer to sheet C500-C504.

5. **On sheets C500-C504, turn on the existing elevation labels.**

Response: Existing elevation labels are added to sheets C500-C504 per comment.

6. **Are there any on-site trees to be preserved? If so, they need to be shown on the grading plan and appropriate protection called out.**

Response: A Clearing and Sediment and Erosion Control Plan is added to the revised set. There are no trees proposed for preservation within the limits of clearing.

7. **Does the on-site earthwork balance? Will there need to be any import or export of material? If so, identify on the plan proposed dump truck access points and off-site haul routes.**

Response: Earthwork for the project is expected to balance; however, there will be import of pipe, structures, base material, etc. Access points will be to the main spine road where it connects with Number 2 Road and S. Palm Avenue.

8. **Add a note on each grading plan page that all exposed areas will be seeded & mulched upon the completion of the grading of that area.**

Response: A note is added to each Mass Grading Plan sheet per comment. Refer to sheets C500-C504.

9. **Use the town's standard details for silt fencing, construction entrance, erosion control, & tree protection.**

Response: The standard details are added to the plan per comment.

Stormwater Calculations

1. **Provide a master stormwater plan along with pre- and post-development basin maps. The master plan & basin maps should include labelling that matches the ICPR model.**

   Response: A master stormwater plan, Pre-Development Drainage Plan and Post-Development Drainage Plan with basin labels matching the ICPR labeling are included in the Drainage Calculations.

2. **Include compensating storage calculations for any flood plain encroachment.**

   Response: A Flood Plain Fill Compensation map is included in the revised plans.

Water Calculations

1. **Provide a master water plan for the project that shows pipe locations, sizes, and junction labels matching the calculations.**

   Response: A Master Utility Plan is included in the Fire Flow Calculations booklet with labels matching the calculations per comment.

2. **Per the town's constructions standards, "Maximum day instantaneous demand to be used for design shall be 1.0 gallons per minute (GPM) per single family".**

   Response: The Fire Flow calculations are revised per comment.

3. **Since the irrigation lines will probably be supplied by the potable system, evaluate the scenario of Irrigation Demand + Fire Flow.**

   Response: Irrigation is proposed to be provided from two existing onsite wells. Thus, irrigation demands are not included in the Fire Flow calculations.

Wastewater Calculations

1. **The design flow should use the peak factors in the town's construction standards: ADF=0-50K GPD, P.F.=3.5-4.0; ADF=50-250K GPD, P.F.=3.0; ADF= 250 GPD – 2 MGD, P.F.=2.5**

   Response: The pump station calculations will be revised per the above comment and subsequent emails received to model the entire system including multiple other pump stations. This model will be submitted under separate cover.

Thank you for your time in reviewing our response. We trust the above responses and included information is sufficient for your review and approval. Please do not hesitate to contact me if you have any questions, I can be reached at jwilliams@cwieng.com or 904-265-3030.

Sincerely,
Connelly & Wicker Inc.

Justin Williams, P.E.
Vice President