

November 16, 2023

Stig Owens, PE  
Sekiv Solutions  
14207 Pond Chase Place  
Midlothian, VA 23113

**RE: Our Lady of Lourdes Catholic Church  
Gymnasium and Classroom Addition  
8200 Woodman Rd  
POD2023-00295**

Dear Mr. Owens:

We have reviewed the construction plans submitted to the Planning Department on October 26, 2023.

Please address the following comments and **resubmit revised construction plans** for review. Water and Sewer Agreements that must be executed by the Owner and the County for water and sewer improvements **have not** been executed.

**General:**

1. Agreements have not been executed at this time. Agreements must be executed prior to the authorization to begin utility construction or approval of building permits. An Information Sheet for the Preparation of Utility Agreements has been submitted and is being reviewed. If the Information Sheet is incomplete, we will send you comments for correction and resubmittal. If the Information Sheet is complete, an Agreement will be forwarded to the Owner for signature within 21 days.
2. As previously commented, provide a completed Water and Sewer Calculation Form (Page 2 of the Engineering Report) with the next submittal.

**C-000 (Cover Sheet):**

3. Provide original signature and date on the engineer's seal. A facsimile of seal, signature and date is acceptable on all other sheets.

**C-109:**

4. The deed book and page number referenced for the utility easement is for portion of the utility easement. DPU needs the recorded easement information for the easement around the water line located near the northern property line. If the easements were not recorded, then it will need to be recorded with this project.
5. As previously commented, reference the corp. stop connection for the 1-1/2" water meter. Be sure to specify the size material of the domestic service line before the meter.
6. Update the Material Quantities are incorrect and need to be updated to most current design.

**C-110:**

7. Provide a backtap detail on the construction plans.

**C-201:**

8. Correctly show the backtap on the water line profile.
9. Correct the references for the water appurtenance once comment number 5 is addressed.

10. The proposed 8" sanitary sewer line connects to a 6" sewer service. Will the 6" line be adequate to handle the flows from the 8" pipe?

**C-509:**

11. Review the following comments on the hydraulic water model:
- a. As previously commented, in the water system hydraulic design, pull a 1000gpm out of the two worst case hydrants (Identified as Fire Hydrant #3 and the fire hydrant north of the building) and 500gpm out of one worst case hydrant (Identified as Fire Hydrant #2).
  - b. Update the lowest residual pressure on the water and sewer design calculations.
  - c. The model should pull the Fire Flow Demand plus Domestic Demand in one scenario.

If you have any questions concerning the above noted comments or the plans, please contact me at 501-4508 or John Yi 501-4511.

Sincerely,



Alice Thompson  
Utilities Engineer

cc: Catholic Diocese of Richmond

bc: Ralph Claytor  
Marchelle Sossong  
Daniel Ivy  
Lisa Blankinship, Planning

ANT/vr