



DEPARTMENT OF PUBLIC UTILITIES
804.501.4517

COMMONWEALTH OF VIRGINIA
COUNTY OF HENRICO

September 25, 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
POD2023-00395**

Dear Mr. Owens:

We have reviewed the construction plans submitted to the Planning Department on September 7, 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 not been submitted for review. If the Information Sheet is incomplete when submitted, we will send you comments for correction and resubmittal. If the required Information Sheet complete when submitted, an Agreement will be forwarded to the Owner for signature within 21 days.

C-109 (Utility Plan):

2. All utility easements that have not been recorded need to be recorded as proposed with this project. All public water mains will require a 20' wide utility easement.
3. Remove "Flushing hydrant" label from the proposed fire hydrant.
4. Request an exception to the DPU Standards to install the fire hydrant within 50' of the building.
5. Swap the proposed fire hydrant and water meter to provide adequate flushing of the water main when needed.
6. Provide a water valve at the end of the water main prior to the plug/cap.
7. Utility plan called out for 1 1/2" backflow preventer. However, the detail in sheet C-508 is for 2" backflow preventer.

C-110 (Utility Plan):

8. Check the natural gas pipe design/survey to see if the back tap of water main will be required to connect and install the TS&V. Provide the exact separation between the existing water main and the natural gas pipe.

C-508 (Utility Notes & Details):

9. Provide the Henrico County DPU Standards detail D-405 and remove the backflow preventer detail on this sheet. Provide the correct RPZ size on this sheet and/or on the utility plan sheet (2" or 1 1/2").

C-509 (Utility Notes & Details):

10. With the fixture count of 124.5, this facility will require a 1 1/2" water meter. Also provide maximum demand in the "Domestic Meter Sizing Form". This change will need to apply to the utility plan sheet.
11. Check the ground floor area in the "Fire Flow estimate Form". The form indicates 10,998 sq.ft. However, the site data indicates 11,380 sq.ft.
Indicate it is possible to pull a total of 2,250 GPM from 3 fire hydrants that will be used for fire protection. Two (2) fire hydrants will need to pull 1,000 GPM each and One (1) fire hydrant will need to pull at least 250 GPM with greater than 20 psi. Three fire hydrants that will be used for protection are one in the northeast parking lot, one in southern entrance from Woodman Rd and the one proposed fire hydrant. Revise the water model to reflect/indicate this.

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

Sincerely,



John Yi
Utilities Engineer

cc: Tony Giovanetti, Catholic Diocese of Richmond