February 3, 2020

Bruce S. Hulcher, P.E.
Hulcher & Associates
5901 Lakeside Avenue
Henrico, VA 23228

RE: **Richmond Primoid**
LOCATION: **7609 Compton Road**
FILE NO.: **5389; POD NO.: POD2020-00021**

Dear Mr. Hulcher:

We have reviewed the construction plans submitted to the Planning Department on January 15, 2020.

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** been executed.

Sheet C2 (Layout and Utility):

1. A separate manhole to monitor facility discharge per D-125 will be required unless it can be verified by the mechanical engineer/architect that this will be a dry shop with all floor drains plugged.
2. Clarify on the plan whether an additional sewer lateral is being proposed as there is already one existing lateral nearby connected to the same manhole. Also, if it is a new lateral, this location conflicts with the existing domestic meter vault location.
3. Label all waterline fittings on the plan view (valves, bends, tees, etc.).
4. Revise water and sewer material quantities in accordance with all comments and per the following:
    - There should be 3-6" valves. The 6" fire line must have a valve at the tee in addition to the boundary valve at the edge of the utility easement.
    - The 6" fire line must have a reduced pressure detector assembly instead of an RPZ.
5. Locate the last hydrant at no more than 10 feet from edge of access road in back.
6. As previously commented, show specific location within the building for both the backflow preventer on the domestic service and for the reduced pressure detector assembly on the fire line.
7. As previously commented, locate FDC line at least 10 feet horizontally from the fire line as well as the fire hydrant lead.
8. As previously commented, the following concern the abandonment of the 200,000-gallon water tank, pressure tank and fire pump:
    - Are these facilities supplied through the domestic meter or the process water meter?
    - To where will these facilities be drained?
    - Include construction sequence information on when these will be disconnected and abandoned in relation to installation and operation of the new fire line.

Sheets C9 & C10 (Utility Notes and Details):

9. Replace fire hydrant detail D-200 with current version D-495.
10. Provide current detail D-485 for waterline adjustment method.

Sheet C13 (Profiles):

11. The following pertain to the water profile:
    - Revise "FL Hyd" to be "fire hydrant" at the end of the profile.
    - Show the 90-degree bend near the end of the profile.
    - Show two separate bend symbols for the 45 degree and 22.5-degree bends.
    - Show the other two 45-degree bends that are 190-200 feet from beginning of the extension.
    - Correctly label the 8" x 6" tee for the sprinkler service line.

If you have any questions concerning the above noted comments or the plans, please contact me at 501-4501.

Sincerely

John L. Clark, P.E.
Utilities Engineer II

cc: William W. Rose
WWR Properties LLC
2121 N. Hamilton St.
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bc: R. Claytor
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REVISED CONSTRUCTION PLANS REQUIRED