October 15, 2020

Chris Thompson, P.E.
The Site Design Company
268 High Street
Petersburg, VA 23803

RE: Hilton Tru at Independence Park Drive
9950 Independence Park Drive
FILE NO. 5418 POD2020-00410

Dear Mr. Thompson:

We have reviewed the construction plans submitted to the Planning Department on October 1, 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 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 is complete when submitted, an Agreement will be forwarded to the Owner for signature within 21 days**.**
2. Include a detail for the 1000 gallon grease trap.

C0.0 (Cover Sheet):

3. Original signature is required on the P.E. Seal on the Cover Sheet. A facsimile of seal, signature and date is acceptable on all other sheets.
4. Show Mayland Court and Independence Park Drive on the vicinity map.

C4.0 (Utility Plan):

5. Provide a standard 20’ wide utility easement instead of 16’ for the proposed waterline.
6. Relocate the 8”x6” reducer after the fire hydrants. The proposed fire hydrants shall be installed on an 8” water pipe since 8” pipe is minimum size allowed for fire protection for this zoning per DPU Standards.
7. Provide a ductile iron lead and tee for fire hydrant (instead of 90-degree bend) in accordance with D-495 for the fire hydrant at the north east corner.
8. Relocate fire hydrant at northeast corner of building to the other P.T. corner of the curb so that 350’ max hose lay is met by the hydrants.
9. Install the waterline under the pavement and within the entrance of the property where connecting to the existing 12” waterline.
10. Label the size and material of the existing waterline where tie-in will occur as “12” DI”.
11. Adjust the lead line to correctly point to the 6” DI lead for the dedicated fire hydrant.

12. In accordance with the profiles, label the vertical waterline adjustment locations where waterline crosses storm pipe and sewer lateral.
13. Provide 6' of separation between the storm inlet structure 1 and the waterline at the southeastern front corner of the building.
14. As previously commented, provide 2%-5% slope for the lateral entering monitoring manhole to maintain adequate flow velocity for sampling.
15. Label the material of the proposed sanitary sewer lateral from the building to manhole 1.
16. Provide at least 5' of separation between the fire line and the irrigation water service.
17. Delete note # 7 for the irrigation meter. Show and label on the plan view an exclusion meter instead of the irrigation meter to eliminate the connection fee for additional water service and open up room to adequately space fire line and domestic service. The provisional note is not necessary.
18. No bends are allowed on the fire hydrant lead for the dedicated fire hydrant per D-495.
19. Locate fire hydrant at the end of the main on southern waterline extension for flushing purposes.
20. Locate boundary valve at the edge of the easement.
21. Show the symbols of the domestic RPZ and reduced pressure detector assembly inside the building and align with domestic and fire line locations entering the building.
22. Revise the 6"x6" cross to 6"x6" tee for the fire line.
23. Revise water and sewer material quantities in accordance with all comments and per the following:
    - Replace the 6"x6" cross with 6"x6" tee.

C6.0 (Profiles):

24. Label the partial vertical waterline adjustment per DPU detail D-485 after the gas line crossing and show the location of this vertical waterline adjustment on the utility plan view.
25. As previously commented, use a different symbol for the 1" corp. stop to differentiate from the symbol used for tees.
26. Provide a partial vertical waterline adjustment within the profile for the hydrant to be able to cross under storm sewer line#6 without any vertical bends.

If you have any questions concerning the above noted comments or the plans, please contact me at 501-4512 or John Clark at 501-4501.

Sincerely,

Ireini botros
Ireini Botros
Utility Engineer

cc: Nick Patel, Gaskins Hotel Partners, LLC

bc: R. Claytor
C. Duverné
M. Gallagher
J. Clark
Spencer Norman, Planning

INB/tt