

April 1, 2022

Jeffrey L. Staub, PE
Silvercore
7110 Forest Avenue, Suite 204
Richmond, VA 23236

**RE: Wendy's at Tuckahoe Village
Shopping Center
Location: 11274 Patterson Avenue
FILE NO. 5574; POD2022-00113**

Dear Mr. Staub:

The Department of Public Utilities has completed a review of the water and sewer plans that are part of the plan of development submitted to the Planning Department on March 16, 2022.

□ DPU recommends approval of these plans by the Planning Commission.

Please address the following comments before submitting the construction plans for signature.

Sheet 2 (Ex. Condition/Demolition):

1. Show all the existing utilities correctly. Review the location of the existing sanitary sewer, grease trap, and manholes. The alignment of the sanitary shown on the plan does not match with our as-built.
2. Show more of the existing sanitary sewer. Use dash line to show existing sanitary sewer. Recommend providing the flow direction arrow on the sanitary sewer. Label the size and material of the existing sanitary sewer.
3. Show the GIS or CSB elevations of the existing sanitary sewer and manholes. Include the GIS manhole ID at the existing manhole.
4. Show the existing exclusion meter and back flow preventer. Are you planning to remove it or tying it back to the new water service line?
5. Label the size and material of the existing water line.
6. Show all the existing fire hydrant surrounding the site especially the one that will be serving the site.
7. Label the meter number and meter size for both meters.
8. Label the demand of the irrigation system.
9. Add a note stating that, "All water and sanitary sewer is to be abandoned consistent with DPU Spec. 1.4.01C. and 10.3.10."
10. Remove the gray background on site. Use light stippling if needed.
11. The north/east coordinate should be at the corner of the property line instead of a random point.

Sheet 4 (Utility Plan):

12. See comment on existing utilities.
13. Use a portion of the existing sanitary sewer lateral if possible so that you won't have to connect to the existing monitoring manhole at a different angle. Avoid disturbing the monitoring manhole if possible.

14. Is it possible to provide 2%-5% slope for the lateral entering monitoring manhole to maintain adequate flow velocity for sampling.
15. Label the clean-out to be traffic rated. Provide appropriate detail.
16. Relocate the water service label to where you tying into the existing 8" water line. Label to install the water service per detail D-534.
17. Label to install the domestic backflow preventer per detail D-405.
18. Remove the gray background of the building footprint. Show the minimum finish floor elevation of the building.
19. Is there any conflict at the crossings among the water service, the sewer lateral, and the storm roof leader? Profile and resolve any conflict.
20. Reference county water and sewer book (CWB/CSB 396 SE) in the bottom right corner of the utility plan.
21. Provide benchmarks consistent with DPU Spec. 5.5 L.
22. Show the size of the backflow preventer in the quantity list. Update the quantity list if needed.

Sheet 14 (Notes & Details):

23. Two instead of one fire hydrant will be required based on the required fire flow in the Fire Flow Estimate Form.

Sheet 23 (Landscape Plan):

24. Recommend not planting any tree or bushes on top of the existing 8" water line or next the proposed meter.

General:

25. The NOI states that the proposed discharge will be 94 gpm which is about 95,880 gpd. Monitoring and Compliance believes this number to be inaccurate and request that a new estimate be submitted that represents a more accurate discharge value. Because of this Monitoring and Compliance is unable to determine if the grease interceptor is of sufficient size.
26. 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 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.
27. Provide items 1-4 on the Water System Flow Request to Marcello Forehand (for109@henrico.us).
28. Provide the lowest pressure at total design peak flow on the Water and Sewer Design Calculations sheet.

If you have any questions concerning the above noted comments or the plans, please contact me at 501-4601

Sincerely,



Bob Dao
Utilities Engineer

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Wendy's at Tuckahoe Village 1st review

cc: Ana Pelhank, Meritage Hospitality Group

bc: Ralph Claytor
Marchelle Sossong
Daniel Ivy; Megan Gallagher
Mike Kennedy, Planning

BQD/vr