

December 27, 2021

Carter B. Baum, P.E.
Kimley-Horn
1700 Willow Lawn Drive, Suite 200
Richmond, Virginia 23230

**RE: Green Clean at Lowes Plaza
9486 W Broad Street
File No. 5552 POD2021-00462**

Dear Mr. Baum:

We have reviewed the construction plans submitted to the Planning Department on December 9, 2021 and received by DPU on December 13, 2021.

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. As previously commented, owner to submit executed green card prior to final utility plan approval by DPU.

CA-100 (Cover Sheet):

2. 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.

CV-102 (Demolition Plan):

3. Add the following notes to the plan in regard to the waterline relocation:
 - Waterline valves will only be operated by DPU personnel or under DPU supervision.
 - The Division of fire will need to be notified prior to any disruption of fire protection.
4. Show the existing 8" valve at the 12"x8" tee that will be used to isolate the waterline for waterline relocation. Revise sheet CU-101 as well.
5. Eliminate the note "EX. Hydrant to remain" and add the following note: "relocation of existing hydrant is not permitted. Where existing hydrant is disturbed, new hydrant materials are required, and old hydrant is to be returned to DPU Operations Division."
6. Label to remove the existing tree outside of the utility easement near the fire hydrant.
7. If a building demolition permit is desired prior to construction plan approval, then a separate disconnection or abandonment plan must be prepared and approved in advance of the demolition permit showing either disconnection locations for the water and sewer services or complete abandonment of both services at the water and sewer mains. Disconnection or abandonment of the services would be required prior to approval of the demolition permit. For the disconnection plan, the following would need to be shown on the disconnection plan:
 - Sewer laterals are to be disconnected at the property line or edge of utility easement and water services are to be disconnected on the customer side of the domestic meter.
 - Add a note on the plan stating whether services will be reused or capped for later abandonment.

- Meter will stay within the box/vault. Provide the meter number and meter size on the plans.
 - Contractor shall notify DPU of disconnection schedule so that DPU metering staff can read the meter and turn off the service prior to disconnection, and DPU inspector can verify the work.
 - Account shall be transferred to Developer and will continue to be billed for service.
 - Connections shall be plugged prior to approval of site demolition permit.
8. If a building demolition permit is not desired prior to construction plan approval, then the following would need to be shown on the demolition sheet in addition to the previously listed items for the disconnection plan:
- If services are to be capped for reuse, show disconnection locations in accordance with what was previously stated.

CU 101 (Utility Plan):

9. Revise the title of this sheet to include the term “waterline profile”
10. Please address the following comments that have been generated by DPU Monitoring and Compliance division:
- Specify the size of the three water reclamation tanks.
 - Confirm that the domestic (restroom) discharge does not discharge to the oil/water separator by labeling on the utility plan.
11. As previously commented, provide 6” minimum core hole separation between the proposed lateral and existing lateral that will be abandoned at the existing monitoring manhole. Otherwise, manhole will need to be replaced.
12. Provide 2%-5% slope for the lateral entering monitoring manhole to maintain adequate flow velocity for sampling.
13. Review and clarify piping entering and leaving the three water reclamation tanks.
14. Show the existing water service that will be disconnected and abandoned in place and provide 5’ of separation between the proposed water service connection and the existing water service connection so that main will not be damaged.
15. As previously commented, show the location of domestic RPZ inside the building.
16. Revise water material quantities in accordance with all comments and per the following:
- Include the fire hydrant.
 - Include the exclusion meter.
 - Label the sewer quantities as “private”.
17. Revise the county water book reference to 328 SW.
18. Label to remove portion of the existing lateral that will be abandoned so that it is not in conflict with the proposed lateral to provide room for installation of the new sewer lateral and for maintenance accessibility.
19. Show and label the proposed 8” valve and 8” plug at the end of the waterline within the waterline profile. The hydrant assembly piping does not need to be shown.
20. Show and label the existing 8” valve near STA 10+00 within the waterline profile.

CU 502 (Utility Details):

21. Provide 1” exclusion meter based on the peak flow shown of 20 GPM.

Carter B. Baum, PE
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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: Craig Van Bremen, Green Clean Holdings, LLC

bc: R. Claytor, M. Sossong
J. Clark
M. Gallagher, D. Ivy
Aimee Crady - Planner

INB/vr