

March 3, 2021

Mr. Nathaniel V. Thompson, P.E.
Peloton Land Solutions, Inc.
11000 Frisco St. Suite 400
Frisco, Tx 75033

Re: Engineering Comments Venetian at Weston
Off-site Water and Sanitary Sewer
Weston, Texas

We have reviewed your submittal for the above project and have the following comments:

1. North Collin SUD needs to approve the off-site water plans Sheets 1.01 to 1.04 and also include a letter approving the on-site water plans with documentation that fire flow is provided as required by the City code;
2. Provide a tree removal permit for the proposed route of the sewer and water lines in Weston that are not already included in the previous permit;
3. Prior to construction, after the route of the sewer lines are finalized, easements to the City will need to be prepared and filed in the County. Easements as needed for the water lines will also need to be prepared prior to plan approval. Please prepare and submit for review prior to execution;
4. Include the filing information for water and sanitary sewer easements on the plans;
5. Cover Sheet – Misspelled word in sheet index;
6. General Notes – Add the city of Weston General Notes in front of the TCEQ sheets;
7. All sheets – add labels to various fixed items such as road name, creek names, pond locations and names, proposed lift station location (i.e., Sheet 2.01), transition points between gravity sewer and force main, lake and dam on Sheet 2.02, floodplain limits and buildings;
8. Add Q required and Q capacity to profiles for gravity and force main sewer lines;
9. Sheets 2.01 and 2.02 – add stationing of lines;
10. Sheet 2.02 – how close is proposed deep trench to existing dam? Piping (seepage) may be a concern and should be evaluated;
11. Sheet 2.02 – Clarify Note 7 – Where is Class H embedment being considered. Will need detail;
12. Sheets 2.03 and 2.04 – North arrow appears incorrect;
13. Sheets 2.06 – show which manholes have water tight covers (all appropriate sheets);
14. All creek crossings require Class G (concrete) encasement;
15. Show repair requirements and details for various road crossings;
16. Composite Air Release Valves (CAV) and vaults needed at force main high points – see drawing markups;
17. Blow-Off Valves (BOV) and vaults needed at force main low points – see drawing markups;
18. Need a plug valve along alignment so to isolate line segments for repair;
19. Sheet 2.19 – extend existing grade line on right side of sheet;

20. Sheet 2.20 – For 12', 15' and 18" pipe, the minimum manhole size is 4.5'. Is the top of the buried manholes the future grade? Please add the future grade line;
21. Sheet 2.24 – the minimum grade for 10" SS pipe is 0.26%;
22. Sheet 2.25 – show water level in ditch and whether a water tight manhole is needed;
23. Detail Sheet – provide detail for water tight manhole cover, pre-cast manholes (if used on this project), and force main detail including embedment;
24. Provide erosion control sheet including silt fence location and rock check dams (if used);
25. All gravity sanitary sewer line is to be SDR 26 (PS115) ASTM D3034 for pipe size 4"-15" and PS45, ASTM F679 for 18" pipe;
26. All force main pipe shall be green in color; and
27. Provide documentation of TCEQ coordination of sewer construction.

If you have any questions, please feel free to call me at (214) 503-0555 ext. 106 or (972) 489-6523.

Sincerely,

FREEMAN - MILLICAN, INC.



Richard A. Dormier, P.E.

Attach: Plan Markups

Cc: Mayor of Weston
City Secretary Weston