



July 16, 2019

Ontario County Public Works
Attn: Donald E. Havens
District Supervisor, CLCSD
2962 County Road 48
Canandaigua, NY 14424-9553

**Re: Royal Car Wash – Comments letter dated April 5, 2019
Route 332, Canandaigua**

Dear Mr. Havens:

This letter is regarding the comments letter we received from you dated April 5, 2019. The comments are in the order received and our responses are in bold italics.

GENERAL

1. Provide calculations for the anticipated daily flow from your client's business.
Response: The car washes average 16,100 gpd.

EXISTING CONDITIONS & DEMOLITION PLAN

2. There is an existing 4" lateral servicing the property approximately 45' downstream of the manhole adjacent to the southeast property corner (a sketch from the maintenance staff is attached for your use). The lateral is required to be abandoned in the presence of District personnel. Depending on the location of the abandonment, an asbestos abatement may be required.
Response: A note has been added to the plans.

UTILITY PLAN

3. Revise the notation on the existing sanitary sewer main from "8" PVC" to "8" ACP".
Response: The notation has been revised.
4. Revise the new lateral connection "Core and Connect..." note to indicate that the connection must be made by cutting the main and installing an 8" x6" wye. Because the existing sewer main is asbestos cement pipe, an asbestos abatement plan will be required to be prepared by a licensed contractor. You may wish to consider making the connection at the existing lateral's location to eliminate an additional asbestos abatement.
Response: We are now proposing utilizing the existing 4" lateral to avoid connection to the main.

5. It appears the elevation (776.57) called out in the lateral connection note is the approximate invert of the sewer main. The new lateral connection invert will be roughly one foot higher.
Response: The contractor can make field adjustments to connect to the actual invert in the field. A note has been added to the plans.
6. Show a lateral cleanout at the right-of-way.
Response: A cleanout has been added.
7. Provide calculations that demonstrate the oil water separator is adequately sized.
Response: Calculations are attached.
8. A sand interceptor is required upstream of the oil water separator.
Response: The oil water separator is a combined sand interceptor and oil water separator. The tank is oversized to provide for both.
9. Provide cleanouts on the discharge of each pretreatment unit.
Response: Cleanouts have been added.
10. Add the follow note to the plan: "The sand interceptor and oil separator are to be designed, installed and maintained per NYS Plumbing Code. Design and installation shall include appropriate traps, cleanouts and venting per code requirements".
Response: The note has been added to the Utility Plan.
11. Cleanouts are required upstream of all bends and at intervals not exceeding 90 feet.
Response: Cleanouts have been added.
12. Revise the six-inch lateral grade to be 1.5% min.
Response: The lateral is now a 4" at 2.00% min.
13. There appears to be inadequate vertical separation between the 4" lateral and the 12" storm pipe between DB-4 and DB-3. A minimum of 6" is required.
Response: Inverts have been revised to provide 6" of separation.
14. Provide approximate invert elevations at the building for each lateral.
Response: The invert elevations have been added.
15. Indicate that the laterals are to be SDR-21 pipe.
Response: The laterals have been labeled as SDR-21.
16. Based on an assumed watermain cover of five feet, there is inadequate vertical separation between the watermain and new lateral.
Response: The design has been revised so that the watermain does not cross the sanitary lateral.

17. Provide the architect's Plumbing Plans with your resubmission.

Response: Plumbing plans are attached for a different identical Royal Car Wash. They have not been created for this project yet.

NOTES

18. Replace the Sanitary Notes shown with the County's standard Lateral Plan Notes provided herein.

Response: The Notes have been added to sheet C201.

DETAILS

19. Remove "Sanitary Sewer" from the title of the Bedding Detail shown.

Response: The detail has been revised on Sheet C203

20. Add the attached Sanitary Sewer Main & Lateral Trench & Bedding Detail.

Response: The detail has been added to Sheet C203.

21. Replace the Sanitary Sewer Lateral Detail Privately-Owned Sewer Main detail with the Sanitary Sewer Lateral Detail provided.

Response: The detail has been added to Sheet C203.

22. Add the attached Sanitary Cleanout Detail.

Response: The detail has been added to Sheet C203.

23. Revise the Sewer Lateral Connection detail to indicate the correct sewer main material and show any adapters or special fittings required for a proper connection.

Response: The proposed lateral no longer connects to the main, it connects to the existing lateral.

Sincerely,



David Cox, PE
Project Manager

DC:paf

Cc: File
MRB
Doug Finch