



MarksEngineering

4303 Routes 5 & 20
Canandaigua, NY 14424

November 2, 2022

Town of Canandaigua
% Mr. Doug Finch, Town Manager
5440 Routes 5 & 20 West
Canandaigua, NY 14424

Re: Backus Residence - 2380 Andrews Rd. - TM# 71.00-1-5.090

Dear Mr. Finch:

On behalf of our client, Dan and Julie Backus, we submit the following response letter to the comments provided by MRB Group letter dated 9/22/22:

1. *"The proposed on-site wastewater treatment system will require review and approval from NYSDOH and the Town CEO. Copies of all correspondences with those agencies should be provided to the Town Development Office."*

Acknowledged. Fill for the raised system will be placed this fall and allowed to settle through freeze thaw period. System will be re-designed in the spring as a conventional system, NYSDOH review not required.

2. *"The existing conditions plan should include the following information: all existing utilities (labeled with size, material, inverts, etc., if known), treelines and individual trees, wetland and waterbody boundaries (labeled with regulatory and identifying information), and all steep slope areas should be identified."*

Steep slope areas and wetland boundaries have been provided on the existing conditions plan. Existing and proposed treelines have been provided on the site plan.

3. *"The existing conditions plan should show bearings and distances for the lot lines. The surveyor certification statement should be signed prior to submitting the plans for approval signatures."*

The existing conditions plan has been updated to show boundary line information.

4. *"The proposed parcel based on environmental mapping and Oncor, appears to be located within an identified Federal Wetland. Has any wetland delineation been performed? Has any coordination with US ACOE occurred? All correspondences are to be forwarded to the Town and MRB."*

A wetland delineation has been performed for the project site and identified 3 wetland areas and a drainage ditch. We've adjusted the site design to remain outside the indicated wetland areas with minimal disturbance to the drainage ditch for the installation of the site driveway and culvert. All work being performed is in compliance with National Work Permit 29 and a Pre-construction Notice is not



required. See sketch on C300 showing wetland locations and separation distances.

5. *"The plans should be updated to identify any tree removals or tree clearing limits."*
The site plan has been updated to identify tree clearing limits, see sheet C100.
6. *"The signature lines for the highway superintendent and water superintendent should be combined to "Town of Canandaigua Highway & Water Superintendent."*
Signature lines have been updated.
7. *"The design engineer should coordinate with the Town Highway & Water Superintendent to determine if a driveway culvert will be required."*
Acknowledged.
8. *"The plans should be updated to provide the size and material of the proposed water service."*
Notation has been provided for the water service on sheet C100.
9. *"The site plan is noted in the border to have a scale of 1" = 20', whereas the scale bar included is for 1" = 50'. Please resolve this discrepancy."*
Scale has been updated to 1"=20'
10. *"What is the purpose of the proposed pond? How was the pond sized? Sizing calculations/modeling should be provided. Also, as the spillway appears to be the only outlet for the pond, the pond should be adjusted so that the spillway, or 100-year storm elevation, is at least 1' below the top of embankment, whichever is greater. The spillway riprap should also extend to cover the side slopes of the spillway, at least 1' down the interior embankment, and sufficiently down the exterior embankment to protect against erosion. If no roadside channel exists to handle the outflows, then a flow diffuser or similar practice should be used to transition outflows to sheet flow. Also, silt fence should not cross in front of the spillway."*
The pond is being dug in an effort to obtain on-site fill material and also for site aesthetics. The pond will receive very minimal surface runoff as the majority of site runoff is conveyed towards either the existing wetland areas or towards the existing drainage ditch. The high water table of the site will provide minimum water depth for the pond. With updated plans, the pond has been relocated to the south side of the site driveway to remain outside of the existing wetland areas. Discharge will occur through the proposed rip-rap spillway and be conveyed through proposed 12" culvert under the site driveway and discharge to the north east corner of the site to maintain existing drainage patterns. Runoff discharge from the site is currently concentrated flow from the ditch along Andrews Road, no dispersal required.



11. *"The silt fence around the pond should be extended further west to cover the full extents of the embankment work. Also check dams should be considered for the proposed swales. Please update the plans accordingly."*

The pond has been relocated to the south of the driveway to avoid existing wetland areas. With relocation, silt fence has been provided around the exterior of the pond as required.

12. *"The limits of disturbance should include all silt fence locations. The total acreage should be updated to reflect this."*

The limits of disturbance have been slightly adjusted to include silt fences. Total acreage of disturbance is included with site annotations.

13. *"Please note that if the project disturbs 1 or more acres of land, the project will be required to obtain coverage under the NYS SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-20-001. This will also require the preparation of an erosion-control SWPPP. As the disturbances are under 5-acres, and as the project is single family residential, post-construction stormwater management practices are not required. A note to this effect should be added to the plans."*

Disturbance will remain under 1 AC, but a note has been added to the plans should the project disturb more than 1 acre. See erosion control note #8.

14. *"A note should be added to the plans indicating that all exterior lighting shall comply with section § 220-77 of the Town of Canandaigua Town Code."*

Note has been added to the plans, see site note #15.

15. *"The concrete washout area detail should also note that the liner shall be replaced if ripped, or whenever the washout is emptied. The washout detail should also note separation requirements from sensitive receptors (see page 2.24 of the NYS Blue Book)."*

Detail has been updated.

Please do not hesitate to contact me with any questions or concerns.

Sincerely,

Brennan Marks, P.E.

Marks Engineering, P.C.

585-905-0360