

November 11, 2021

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

**RE: SMITH RESIDENCE – 4519 DAVIDSON LANDING DRIVE
SITE PLAN REVIEW
TAX MAP NO. 126.20-1-15.200
CPN NO. 21-082
MRB PROJECT NO.: 0300.12001.000 PHASE 263**

Dear Mr. Finch:

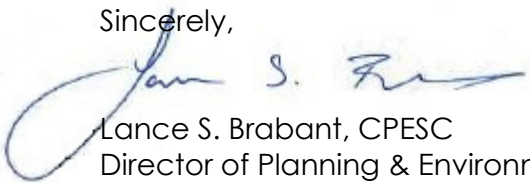
MRB has completed a review of the submitted Site Plan regarding the above referenced project, dated October 6, 2021, last revised October 15, 2021, prepared by Marathon Engineering. We offer the following comments for the Planning Board's consideration. A brief written response to each comment should be provided by the design engineer.

1. The Planning Board will need to discuss how this application complies with the Town's Shoreline Development Guidelines. Written notice describing how the proposed application complies with the Shoreline Development Guidelines has been provided for the Planning Board's review.
2. The horizontal datum, if one is referenced, should be noted on the plan.
3. All existing and proposed utility service lines should be labeled with the following information if known/applicable: size, material, slope, thickness ratio, and inverts. Notation should be provided regarding water and sewer service disconnections and connections (if any are required).
4. Any modifications to the existing irrigation system may require review and approval from the Town Highway & Water Superintendent and NYSDOH.
5. Will the existing trees to be removed be left with a stump, or will the stump be removed? Please clarify on the plans.
6. All previously granted variances should be noted on the plans with date of approval and what the variance was for.
7. Additional note #2 indicates that the downspouts for the new garage shall be directed to a stone lined swale, which we could not locate, whereas the label for the 8" storm leader indicates that all roof downspouts shall be connected to it. Please resolve this discrepancy.

8. How will runoff flowing to the retaining wall be handled? Will it overtop the wall? Along the last portions of the wall, nearer to the rain garden, it appears that runoff may end up being channeled along the edge of the wall. The detail appears to show some stone cover; however, this isn't labeled in the detail or shown on the plans. Armoring and/or grading away from the wall should be provided to prevent channeling and erosion against the wall. The plans and detail should clarify how drainage will be managed.
9. Will an underdrain be provided for the rain garden? If not, infiltration testing and soil exploration should occur prior to installation. Also, the plans proposed to use the rain garden area as a temporary sediment trap prior to installation of the rain garden. This could result in reduced infiltration capacity.
10. The temporary sediment trap's required capacity should be based on the contributing drainage area.
11. Please clarify in the concrete washout detail that the liner shall cover the bottom of the washout and shall extend up and over the sides and berms. The liner should be replaced whenever the washout is emptied. A note should be added.
12. The locations of all proposed lighting, once determined, should be noted on the plans. Additional note #3 should also indicate that all exterior lighting is to comply with Section 220-77 of the Town Code.
13. The Town of Canandaigua Standard Notes should be added to the plans.
14. The sequence of construction should show installation of stone check dams after grading the site. The sequence should also indicate when the rain garden will be installed (after all contributing drainage areas have achieved final stabilization). Erosion and sediment controls should not be removed until all contributing drainage areas have achieved final stabilization, and the town has approved the removal of controls.
15. The site plans should demonstrate how the existing drainage swale along the south western property line will be managed during construction. The construction sequence should also be updated to reflect how this will be completed.
16. The rain garden calculations indicate a ponding depth of 1 ft, whereas the NYS Stormwater Management Design Manual (SWMDM) limits the ponding depth to 0.5 ft. Also, the spillway proposed is only 0.5' above the surface of the rain garden, and as such, only 0.5' of ponding would be possible. Please revise accordingly. Also, the porosity of the drainage layer should be 0.40 unless data is provided to support a porosity of 0.50.
17. Plantings in accordance with the SWMDM should be provided for the rain garden, as plantings and vegetation are a significant component of a rain garden.

If you have any questions, comments or concerns regarding any of the above comments please call me at our office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Lance S. Brabant". The signature is fluid and cursive, with a large initial "L" and "B".

Lance S. Brabant, CPESC
Director of Planning & Environmental Services