

**MEMORANDUM**

TO: Kathleen Savolt, Chairperson

CC: Village of Mamaroneck Planning Board  
Amber Nowak, Acting Director of Planning  
Frank Tavalacci, Acting Building Inspector

FROM: Esteban Garcia, P.E.   
Consulting Village Engineer

DATE: July 9, 2021

RE: Site Plan Approval  
1000 Greacen Point Road  
Section 9, Block 56, Lot 439

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**PROJECT DESCRIPTION**

At the request of the Village of Mamaroneck Engineering Department, Kellard Sessions Consulting has reviewed the site plan and supporting documents submitted in conjunction with the above-referenced application. The applicant is proposing the construction of inground pool and patio with associated stormwater mitigation improvements. The property is 46,076 s.f. and is located in the R-20 Zoning District. Our review was focused on general site engineering design and the associated Village Code requirements in accordance with the following:

- Village of Mamaroneck Code, Chapter 294 *Stormwater Management and Erosion and Sediment Control*, and other sections, as applicable.
- New York State Department of Environmental Conservation (NYSDEC) Stormwater Management Design Manual (SMDM); last revised January 2015.
- New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

**GENERAL COMMENTS**

1. The stormwater system has been sized for a 25-year storm. An emergency overflow shall be shown on the plan in case the system must handle a larger storm. Provide detail.

**Addressed.**

2. The plan shall include a note for pool drawdown. The plan shall illustrate the connection between the pool equipment and drawdown mitigation practice.

**Addressed.**

3. The plan shall illustrate the elevations of the existing on-site infiltration system.

**Not Required. The connection between the existing and proposed infiltration systems has been removed from the plan.**

4. It appears the existing on-site infiltration system will overflow into the proposed infiltration system. If so, the overflow runoff from existing infiltration system should be model in the HydroCAD model to ensure the proposed infiltration system will have sufficient volumetric capacity.

**Not Required. The connection between the existing and proposed infiltration systems has been removed from the plan.**

5. It appears the elevation data from TP#2 and percolation rate from TP#5 was used to set the elevation and sufficiently size the proposed infiltration system. Given the proposed location of the proposed infiltration system, the applicant shall conduct a deep and percolation test within the vicinity of the proposed infiltration system to verify that the minimum separation of three (3) feet exists between the bottom of the proposed infiltration system and the groundwater table and/or bedrock. The test results shall be shown on the plan.

**Not Addressed. As per a conversation with Hudson Engineering on June 22, 2021, the applicant's engineer has acknowledged that an additional deep and percolation will be done within the vicinity of the proposed infiltration system.**

6. The plan shall illustrate stabilized construction entrance. Provide details.

**Addressed.**

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7. The plan shall illustrate the following detail:
- Patio Section Detail **Not Addressed. No Landscaping Plan included in the submission.**
  - Tree Protection Detail **Not Addressed. No Landscaping Plan included in the submission.**
8. Prior to the issuance of the Certificate of Occupancy, the applicant shall submit a Stormwater As-Built Survey that includes topography and the location, description, rim elevations and invert elevations of all installed stormwater facilities for review by the Village Consulting Engineer.

**We note the applicant has acknowledged that a Stormwater Maintenance Schedule will be submitted prior to the issuance of the Certificate of Occupancy by the Village.**

In order to expedite the review of subsequent submissions, the applicant should provide annotated responses to each of the comments outlined herein.

**PLANS REVIEWED, PREPARED BY HUDSON ENGINEERING & CONSULTING, P.C., DATED JUNE 23, 2021:**

- Existing Conditions/S & E Plan (C-1)
- Stormwater Management Plan (C-2)
- Details (C-3)

EG/dc