

September 27, 2023

Mr. Bruce Flower
Chairman (Via email)
Town of Wappinger
Planning Board
20 Middlebush Road
Wappingers Falls, NY 12590

Re: 33 Middlebush Road Site Plan & Lot Line Consolidation (19-5201)
Middlebush Road
Tax Parcels #6157-01-414840 & 396837
CPL # 14926-00006

Dear Chairman Flower and Planning Board Members:

This office received copies of the following documents:

- Cover letter, dated 9/7/23, prepared by TW Engineering, P.C.
- Engineers Letter Report for Drainage Design, dated revised 9/7/23, prepared by TW Engineering, P.C.
- EAF, dated 5/17/23 prepared by TW Engineering, P.C.
- 12 Sheet plan set, dated revised 9/6/23, prepared by TW Engineering, PC
- Wetland Permit dated 9/15/23 signed by Barbara Roberti

Based on our review we offer the following engineering related comments:

1. Provide correspondence with and approval from DCDPW when available.
2. Provide correspondence with and approval from the Dutchess County Department of Behavioral and Community Health for the on site septic system and well when available.
3. As stated previously the drainage design relies heavily on infiltration. The previous report indicated an infiltration rate of 10" per hour, while the revised report it is shown as 2" per hour. Actual infiltration rates should be determined at the proposed elevation of the bottom of the swale, dry detention and drywells. The calculations should be revised using the field determined infiltration rates. It appears that the capacity of the existing 12" design point discharge culvert is about 2.4 cfs. Additional calculations should be provided to show what the headwater elevation at the culvert would be during the 100 year storm peak discharge of 19.91 cfs.



Mr. Bruce Flower, Chairman
Town of Wappinger Planning Board
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If you have any questions, please contact me at (845) 686-2305, or via e-mail at jbodendorf@cplteam.com.

Very truly yours,
CPL

A handwritten signature in black ink, appearing to read 'Jon Bodendorf'.

Jon Bodendorf, P.E.
Senior Municipal Engineer

cc: Barbara Roberti, Zoning Administrator (by e-mail copy)
Susan Dao, Building Inspector (by e-mail)
James Horan, Esq., Attorney to the Planning Board (by e-mail copy)
Malcolm Simpson, Planning Board Planning Consultant (by e-mail copy)
Nicholas Maselli, Planning Board Member (by e-mail copy)
Reinaldo Anjos, Planning Board Member (by e-mail copy)
Robert Ceru, Planning Board Member (by e-mail copy)
Paul Freno, Planning Board Member (by e-mail copy)
Lynne Versaci, Planning Board Member (by e-mail copy)
Markos Peratikos, Planning Board Member (by e-mail copy)
Bea Ogunti, Planning Board Sec. (by e-mail copy)
