

March 15, 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 2/10/23, prepared by TW Engineering, P.C.
- 12 Sheet plan set, Plot review set 4, Submission 1, dated 2/7/2021, prepared by TW Engineering, PC
- Engineers Letter Report for Drainage Design, dated 1/8/23, prepared by TW Engineering, P.C.

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

1. Some existing features within 200 feet of the property boundary are shown. Please show the location of septic system on the property to the west when it is available.
2. N/F Property Owners are shown on S-1.0. A listing with addresses should be shown under the bulk table requirements. Properties on the opposite side of Middle Bush Road should also be shown.
3. The cover letter indicates that wetlands were flagged but are awaiting survey location. Please show the wetland and wetland buffer in a future submission.
4. Please show the individual(s) that delineated the wetland on existing lot #2.
5. Please confirm the wetland disturbance areas and submit the wetland disturbance permit application when the information is available.
6. Area #1 is still labeled as bio-retention on sheet S-4.0. The smaller stormwater practice south of the building is not labeled. It is noted that the stormwater letter



- report labels the practice as a dry detention basin. Please clarify, and change call outs on plan as needed.
7. The cover letter indicates that correspondence was received from DCDPW that they had no comments based on a July 2019 set of plans. DCDPW approval of the current plan should be sought.
 8. It now appears that a new septic system and well will be provided. Accordingly, Dutchess County Behavioral and Community Health approval will be needed for the proposed well and septic system.
 9. A comprehensive erosion control plan is shown on sheet S-6.0. Velocity dissipating rip rap splash pads should be added at pipe inlet and outlet end sections. Rip Rap at the dry pond overflow weir should be provided, or other stabilization proposed. The references to details on S-5.1 should be changed to S-6.1. An Inlet protection detail should be added to S-6.1
 10. The Letter Report for Drainage Design includes pre and post drainage areas and calculations. The post-development discharge is less, but not significantly less than the pre-development condition. The design relies heavily on infiltration. The report indicates that an infiltration rate for dry wells and infiltration trenches is assumed to have an infiltration rate of 10" per hour. The percolation test data shows a slower rate. To confirm the design assumption, actual infiltration tests must be performed at the depth of the bottom of the proposed practices and the field determined rates are to be used to confirm the post-development peak discharge. The size of pipe from the existing rip rap discharge point into the existing basin should be shown, and the capacity of this pipe should be verified as being capable of passing the peak discharge.
 11. Roof leaders do not appear to be shown on S-4.0. Please show locations and discharge points
 12. It appears that bio-retention is no longer proposed. If necessary, please revise the SEAF.

If you have any questions, please contact me at (845) 686-2305, or via e-mail at jbodendorf@cplteam.com.



Mr. Bruce Flower, Chairman
Town of Wappinger Planning Board
March 15, 2023
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Very truly yours,
CPL

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)
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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)
