

LAWRENCE J. PAGGI, PE, PC

Consulting Engineering
43 Broad Street
Fishkill, New York 12524

Phone 845 897 2375
Fax 845 897 2239
Email admin@paggiengineers.com

July 18, 2025
July 21, 2025 Planning Board Meeting

Town of Wappinger Planning Board
Attn: Bruce Flower, Chairman
20 Middlebush Road
Wappingers Falls, New York 12590

Re: ***Hudson Valley Volkswagen – Amended Site Plan***
1148 Route 9
Tax Map: 6157-04-690127

Dear Chairman Flower and Members of the Board:

We have received the following information prepared for the above referenced project:

- Project Narrative, dated June 16, 2025.
- Application for Site Plan Approval, dated 6/6/2025.
- Application for Special Use Permit, dated 6/6/2025.
- Short Environmental Assessment Form, dated 6/6/2025.
- Drainage Report, dated June 16, 2025.
- Plan Set (7 Sheets), entitled “Hudson Valley Volkswagen”, including the following:
 - Title Sheet (TS.1), sheet 1 of 7, dated 6/4/2025.
 - Existing Conditions (EC.1), sheet 2 of 7, dated 6/4/2025.
 - Amended Site Plan (SP.1), sheet 3 of 7, dated 6/4/2025.
 - Amended Site Plan (GU.1), sheet 4 of 7, dated 6/4/2025.
 - Amended Site Plan (GU.2), sheet 5 of 7, dated 6/4/2025.
 - Amended Site Plan (ESC.1), sheet 6 of 7, dated 6/4/2025.
 - Amended Site Plan (ESC.2), sheet 7 of 7, dated 6/4/2025.

The above outlined documents were prepared by Day | Stokosa Engineering P.C., 3 Van Wyck Lane, Wappingers Falls, New York 12590.

Based upon our review of the information above we offer the following comments.

General Comments

1. Proposed limits and area of disturbance to be added to the project plans.
2. There is a discrepancy between the topographic datum indicated on the Existing Conditions plan (sheet EC.1) and Amended Site Plans (sheets SP.1 and GU.1). The difference in elevations is ± 12 feet. Please clarify/correct as necessary.

3. We recommend that the contractor provide a bearing capacity test of subgrade soils to the certifying architect/engineer for review and approval prior to installation of Stormwater Chambers. A note to that effect to be added to the project plans.
4. The existing stormwater collection system that will convey runoff to and from the underground Chambers shall be shown on sheet SP.1. The additional information should include size, material, RIM, invert elevations, etc.
5. The outlet from the existing pond was modeled as an 18" culvert in the predevelopment hydrograph routing, but a 12" culvert is indicated on sheet EC.1. Please clarify.
6. Please correct the statement in section 4.2.2 (first paragraph) of the Drainage Report, that Cultec stormwater systems will allow infiltration of stormwater into the surrounding soils. As stated in the second paragraph, a polyethylene liner will prevent infiltration.
7. Site specific elevations indicated on the Cultec Recharger V8HD Heavy Duty Typical Cross Section (i.e., bottom of stone, bottom of Chamber, top of Chamber, etc.) do not match elevations indicated in the post-development hydrological analysis. Please correct.
8. The proposed amount of the Chambers shall be indicated on the project plans.
9. Please provide additional calculations demonstrating that discharge toward the proposed Downstream Defender treatment unit does not exceed the peak treatment flow rate of 8 cfs.
10. As indicated in the post-development hydrograph routing the Outlet Control Structure has been modeled as a 2.5" orifice, 4" orifice and 5' long weir. The proposed Drainage Manhole #3 Detail (sheet GU.1) shall be revised to indicate proposed outlet devices (sizes, invert elevations, etc.).
11. Please provide locations of the existing water and sewer lines. It should be demonstrated that no conflict exists between the existing utility lines and proposed Service buildout, Showroom buildout and enclosed Service Drive.

Please do not hesitate to contact our office with any questions or concerns relative to the above.

Sincerely,

Christian R. Paggi, P.E.
Principal

cc (via email): Barbara Roberti, Director of Strategic Planning & Municipal Codes
Malcolm Simpson, Planner
Kyle Barnett, Esq.