R.R. Hiltbrand Engineers & Surveyors, L.L.C.
Consulting Civil Engineers
21 Copper Hill Road
Granby, Connecticut 06035
(860) 986-3617
Email: tdgrimaldi@gmail.com

575 North Main Street
Bristol, Connecticut 06010
(860) 582-4548
Email: rrhilt@aol.com

July 10, 2023

Mr. Larry Burcroff, Chairman
Inland Wetlands Commission
27 Main Street
P.O. Box 0548
Salisbury, CT 06068

Re: Bendit Residence
101 Taconic Road
Salisbury, CT

Dear Mr. Chairman:

We have reviewed the following information provided to our firm:

1. Engineering drawing as submitted by Allied Engineering Associates, Inc., Scale as Noted, dated 11/16/2020 **revised 06/09/2023**, and dated 06/24/2023, **revised 06/09/2023**, to include the following sheets:

    a. Proposed Overall Site Plan, Sheet C-1.
    b. Proposed Sanitary Sewage Disposal System Design Plan, Sheet C-2.
    c. Proposed Site Plan/Erosion and Sediment Control Plan, Sheet C-3.
    d. Proposed Erosion and Sedimentation Control Plan, Sheet ES-1.
    e. Proposed Erosion and Sedimentation Control Plan 2, Sheet ES-2.

2. Drainage Report for Bendit, 101 Taconic Road, Dated June 19, 2023, to include Existing and Proposed Drainage Area Maps.

Engineering Review Comments

Drainage Report:

We take no exception with the Drainage Report as submitted.

General:

Provide an Existing Conditions Plan.

Sheet C-1:

1. Sheet C-1 is an Overall Site Plan at 100 Scale, which indicates the location of the proposed developed area to include Zoning Information. It is not meant to indicate detailed Engineering Information. No comment.

Sheet C-2:

1. Provide TAHD Approval letter to the Land Use Administrator. Any revisions to this plan set, based upon Engineering Comments, shall be provided to the TAHD for review.

Sheet C-3:

1. The roof water is considered clean water and should be allowed to by-pass, filter and infiltrate through the lawn area before reaching the limit of inland wetlands.

2. Recommend extending the proposed planted buffer around the south side of the proposed dwelling to slow the roof run-off and promote infiltration/recharge.

3. Recommend relocating the Rain Garden immediately down slope of the driveway back-up/parking area to treat the run-off from the driveway. It is far more likely that the run-off from the driveway will require treatment prior to reaching the limit of inland wetlands. Note: The Design Engineer may consider revising the grading the proposed driveway to direct the run-off to a water quality swale located along the westerly edge of the driveway to direct run-off from the proposed driveway to the relocated rain garden. This may require relocation of the septic tank and pump chamber away from the driveway to accommodate for the water quality swale.

4. Provide a Proposed Driveway cross section detail.

5. The proposed footing drain extends past the proposed coir log. Provide a small straw wattle at the footing drain outlet to protect the area during installation of the drain.

6. The Shoreline Buffer Plant Schedule shall include the number of each shrub/plant to be installed.

7. Provide a construction staging area to include a dumpster location to be utilized during the construction.

8. Recommend locating the proposed construction entrance in the area where the proposed driveway meets the existing gravel parking area.

9. Recommend the installation of erosion control blankets on the embankment of the proposed rain garden.

10. Recommend turf reinforced matting within the water quality swale.

11. Provide a note which indicates that all disturbed areas shall be loamed, seeded, and mulched.

12. Provide Outlet Protection for Roof Drain Outlets.

13. Provide maintenance requirements for each erosion & sedimentation control measures BMPs per the 2002 DEP E& S Control Guidelines.

Sheet ES-1:

1. Expand the site-specific construction sequence to include but not limited to the following:

   Installation of the On-Site Subsurface Sewage Disposal System/Forcemain, Stormwater Management BMPs, dwelling, all hardscape, final grading and stabilization.

2. Recommend the installation of erosion control blankets on all slopes greater than 5% slope. Indicate all areas where ECB shall be installed with a specific hatch.

3. Provide a detail of the proposed coir log.

4. Provide the name and 24-hr. emergency contact telephone number for the Responsible Party.

Recommended Conditions of Approval:

1. Submit revised Engineering Plans to the Town Engineer for review/approval.

2. Final approved plans shall have live signature and embossed seal of the Engineer and Surveyor of record. These shall be submitted to the Town of Salisbury Land Use Administrator prior to any construction.

3. The Applicant's Engineer shall provide an Erosion and Sedimentation Control Measures Bond Estimate, which shall be reviewed and approved by the Town Engineer. The Town Engineer shall set the final bond amount. The Bond shall be a cash bond payable to the Town of Salisbury.

4. A Pre-Construction Meeting is recommended with the Town staff prior to the start of construction to inspect E & S control measures and to discuss construction sequencing/phasing.

5. We recommend that the Design Engineer inspect all phases of the Site work and provide a monthly report with photographs to the Land Use Administrator.

6. During the construction process, the Owner/Developer/Contractor shall add erosion and sedimentation control measures as deemed necessary by the Town of Salisbury staff and/or the Town Engineer.

7. Daily inspections and required maintenance of all erosion & sedimentation control measures shall be completed by the General and/or Site Contractor until a permanent vegetated cover is established (70% turf establishment). Repairs shall be made immediately after inspections.

8. An As-Built Site Improvement and Grading Plan, prepared by a State of Connecticut Registered Land Surveyor, shall be submitted to the Land Use Administrator after all the site work is completed, and prior to requesting a Certificate of Occupancy.

9. A final site inspection shall be completed by the Land Use Administrator and/or the Consulting Town Engineer prior to the release of the Erosion & Sedimentation Control Bond and/or the issuance of a Certificate of Occupancy.

Sincerely,

Thomas D. Grimaldi
Principal Engineer

Robert R. Hiltbrand
Principal