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January 27, 2025

Salisbury Inland Wetlands Commission
27 Main Street
Post Office Box 0548
Salisbury, Connecticut 06068

RE: Bauer Residence #95 Preston Lane, Salisbury

Dear Commission Members,

I am in receipt of the plan review made by R.R. Hiltbrand Engineers & Surveyors, L.L.C. dated January 17th and have the following response. The same comment numbers are used below.

DEMO-

1. The tree protection and the septic area use the same fencing and is now shown with the same linetype (---- OCF ---, Orange Construction Fencing).
2. The existing pipe is now called out for removal.

SITE PLAN –

1. TAHD had approved an older version of the plan. They have the December 12 copy of the plan, and I asked Cathy to wait and review this revision given the relocation of drains downgradient.
2. The discharge point has been relocated and directed toward planting bed B.
3. A note has been added to the SSD NOTES.
4. TAHD is going to want to see the note as part of their review. The Demo plan now has the same language. The site plan note is changed.
5. It will be a mowed grass path.
6. See detail (on E&S Notes sheet).
7. Most of the grading shown exceeds 4:1. All grading is shown at 2:1 or less.
8. A small paved strip is shown at the start of the driveway.

9. The contributing watershed is minimal, and the garage foundation wall carries to above final grade the foot along the wall can be backfilled with stone to minimize runoff.
10. The wall is an open-joint porous gravity wall. Typically, any stone placed above the pipe is spaced. A typical gravity wall detail is shown with a 6" SDR35 sleeve for the 4" Schedule 40 waste line.

E&S –

1. The jute mat has been extended to the winged haybales.
2. A note has been added to the E&S Working Guidelines
3. The 4" outlet is now positioned above the 18" sediment logs.

Stormwater –

1. The question of ultimate porosity used in the calculation of available storage had used 0.4 based on standard accepted engineering practices used when all particles are assumed to have the same diameter. When varying sized stones are used, the porosity goes down. Porosity aside, the infiltration system is now using CULTEC Contactor 330 units (4 total). The reason was to avoid extensive damage to the trees at the north-west parcel location. An n (porosity) of 0.3 was used in sizing the system to account for variability, and the new calculations can be found on the Stormwater Sheet.
2. A sequence of construction has been added to the stormwater plan. After discussion with the site contractor scheduled to do the work, the house phase will precede the septic and stormwater system installation. Additional E&S measures are required for this change in phases, and they are shown on the plan.

The 9 conditions of approval listed are standard and acceptable. I am available to address any questions you may have.

Sincerely,

A handwritten signature in blue ink, consisting of a large, stylized loop that crosses itself, followed by a smaller loop to the right.

Pat Hackett

CC: P&Z