

Robert V. Baltramaitis, P.E.
27 Tammy Hill Road
Wallingford, Connecticut 06492
(203) 915-8301
baltro@aol.com

RECEIVED
6.2.2021
East Hampton
Land Use Office

June 2, 2021

Mr. Jeremy DeCarli, AICP
Town of East Hampton
Planning & Zoning
One Community Drive
East Hampton, Connecticut 06424

**RE: Long Hill Estates Subdivision
Town Engineer Review Comments**

Dear Mr. DeCarli,

We are in receipt of comments from the East Hampton consulting Town Engineer, Barton & Loguidice, LLC (Anchor Engineering) dated May 26, 2021. We have reviewed the comments and offer the following responses with revised Sheet GU-1 and drainage report:

1. The storm water management area (raingarden) data in the drainage calculations have been adjusted to be consistent with the grading plan. Most deviations were 'ghost' contours above the spillway to give volumetric shape above the spillways for the software model. These have been removed so that the spillway and top-of-berm elevations are consistent.

As requested, the Pond Report printouts for the 2-, 10-, 25- and 50- year storms are now provided. They are contained on appendix sheets A-51 thru A-78 of the revised report. To facilitate review of this additional information, the following table summarizes the pond data and the anticipated water surface elevations for each storm event:

Pond	Bottom Elev.	Spillway Elev.	Top of Berm Elev.	Water Surface Elevation				
				2-Yr	10-Yr	25-Yr	50-Yr	100-Yr
SWM-1	291.0	292.5	292.75	291.89	292.22	292.36	292.49	292.55
SWM-2	294.0	296.0	296.25	295.36	295.97	296.07	296.11	296.14
SWM-3	291.0	292.0	292.25	291.67	292.02	292.08	292.11	292.13
SWM-4	281.0	283.0	283.25	281.56	281.87	282.03	282.13	282.24
SWM-5	314.0	316.0	316.25	315.62	316.1	316.17	316.2	316.24
SWM-6	344.0	346.0	346.25	344.3	344.46	344.56	344.62	344.7
SWM-7	340.0	342.75	343.0	341.91	342.7	342.88	342.93	342.97

While some of the raingardens will have spillway discharge during storms, the overall runoff peak rates and volumes are reduced from the site at the analysis points to BELOW existing condition levels in the post-development conditions. The water surface elevations do not exceed the berms in any storms up to and including the 100-year.

2. As recommended, Note 13 on Sheet GU-1 has been revised to include the design infiltration rates. These rates were based on actual soil percolation data nearest each raingarden and typically ranged from 3 to 6 inches per hour.

As noted, final designs for each storm water management area will be confirmed during the site plan review process for each individual lot and will be based on the actual proposed dwelling footprint, site development, grading, etc.

3. The applicant agrees to a Condition of Approval for additional soil testing.
4. As recommended, construction entrance (anti-tracking) pads will be installed at ALL of the proposed driveways. This has been added to Sheet GU-1. This will also be a requirement during the site plan review process for each individual lot.

As always, if you have any questions or require any additional information, please feel free to contact me.

Respectfully Submitted,

Robert V. Baltramaitis

Robert V. Baltramaitis, P.E.