



70 Essex Street, Unit 2C, Mystic, CT 06355 ■ Phone: 860-536-7390

January 9, 2023

Supplemental Stormwater Letter Report
Response to CLA Comment Number 15
2040 Route 32, Uncasville, CT

Water Quality Volume provide in Forebay Area of Detention Basin

Volume of Forebay Area = $1344 \text{ SF} \times 3 \text{ Feet} = 4032 \text{ CF} > 3329 \text{ CF} == \text{OKAY}$

Total Volume of Detention Basin = $5372 \text{ SF} \times 6 = 32,232 \text{ CF}$ to top of wall (164.00)

Proposed Hydrology of the Detention Basin:

The proposed detention basin bottom is approximately two feet below existing grade and given surrounding wetlands will be near the water table. Plantings are proposed throughout the bottom of the detention basin. A four inch underdrain will assist in controlling the depth of water within the basin.

The two through 100 year storms will be controlled within the detention basin per the HydroCAD output submitted previously.