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4.26.2023
East Hampton
Land Use Dept.

NEW ENGLAND ENVIRONMENTAL SERVICES
Wetland Consulting Specialists Since 1983

April 17, 2023

Mr. Mark Reynolds, P.E.
Reynolds Engineering Services, LLC
63 Norwich Avenue
Colchester, CT 06415

RE: Hampton Village
37 South Main Street
East Hampton, Connecticut

Dear Mr. Reynolds:

On April 12, 2023, I reviewed the wetland boundary and evaluated the wetlands on the proposed Hampton Village Subdivision.

Three wetland areas occur on the property. The wetland boundaries, as shown on the site plan, are correct.

Wetland 1 is a wooded wetland. The vegetation growing in the wetland includes Red Maple, American Beech, Yellow Birch, Winterberry, Pepperbush, Highbush Blueberry, Skunk Cabbage, Sedges, Violet, Cinnamon Fern, New York Fern, Fox Grape, and Catbrier. The soil type in the wetland is Leicester. Leicester is a poorly drained soil formed in glacial till. The topsoil and subsoil has a fine sandy loam texture. The substratum (unweathered glacial till) has a gravelly sandy loam texture. Two inches of pond water occurs at several locations in the wetland. No amphibian egg masses occur in the wetland. The wetland has a moderate function and value for flood storage, sediment trapping, pollutant renovation, and wildlife habitat because the wetland has no outlet and a diverse plant species, many of which has a high wildlife food value. The wetland is formed by groundwater discharge.

Wetland 2 is a wooded wetland. The vegetation growing in the wetland includes Red Maple, Yellow Birch, Pepperbush, Highbush Blueberry, Princess Pine, Sedges, Winterberry, Cinnamon Fern, Violet, and Skunk Cabbage. The soil type in the wetland is Leicester. A vernal pool occurs in the wetland. Ten spotted salamander egg masses were counted in the pool. The depth of the water in the pool was 3 to 5 inches deep. The wetland has a high function and value for wildlife habitat due to the vernal pool. The wetland has a low flood storage capacity. The wetland has a moderate sediment trapping and pollutant renovation capacity due to the diverse plant species.

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Wetland 3 is a wooded wetland. The vegetation in the wetland includes Red Maple, Black Gum, Spicebush, Pepperbush, Highbush Blueberry, Shagbark, American Beech, Japanese Barberry, Tussock Sedge, Lurid Sedge, Cinnamon Fern, New York Fern, Violet, and Catbrier. The soil type in the wetland is Leicester. A 2 to 4-foot intermittent watercourse occurs in the wetland which flows in the westerly direction. No amphibian egg masses occur in the wetland. The wetland has a low value for flood storage. The wetland has a moderate value for sediment trapping, pollutant renovation, and wildlife habitat due to the plant species diversity.

The proposal is to construct 22 lots on 20.17 acres. There is no direct wetland impacts. The following lots show the possible building area within 100 feet of the upland review area:

<u>Lot #</u>	<u>The distance of the possible area to the wetland</u>
7	95'
8	90'
9	90'
10	60'
11	95'
17	90'

Clearing for the construction of the detention pond is 150 feet from the wetland, which contains the vernal pool, and 300 feet from the vernal pool. There is no hydraulic connection between the vernal pool and the proposed detention basin because the detention basin is not upgradient or downgradient of the vernal pool.

I believe the construction of the 22 lot subdivision will not have a significant impact on the function and values of the wetlands.

If you have any questions, feel free to contact me.

Respectively Submitted,

New England Environmental Services



R. Richard Snarski

Professional Wetland Scientist #1391

Registered Professional Soil Scientist

Consulting Botanist



Wetland 1
April 12, 2023



Wetland 2
April 12, 2023



Wetland 3
April 12, 2023



Spotted Salamander Egg Masses in Vernal Pool
April 12, 2023

11-108	DATE	7/28/2021
11-108	BY	RES
11-108	CHK	RES
11-108	APP	RES
11-108	DATE	7/28/2021
11-108	BY	RES
11-108	CHK	RES
11-108	APP	RES

PROJECT TITLE: HAYPTON VILLAGE
 PROJECT NO.: BAKFI CONSTRUCTION LLC
 37 SOUTH MAIN STREET, EAST HAMPTON, CT

TOPOGRAPHIC MAP
 PREPARED FOR: BAKFI CONSTRUCTION LLC
 37 SOUTH MAIN STREET, EAST HAMPTON, CT

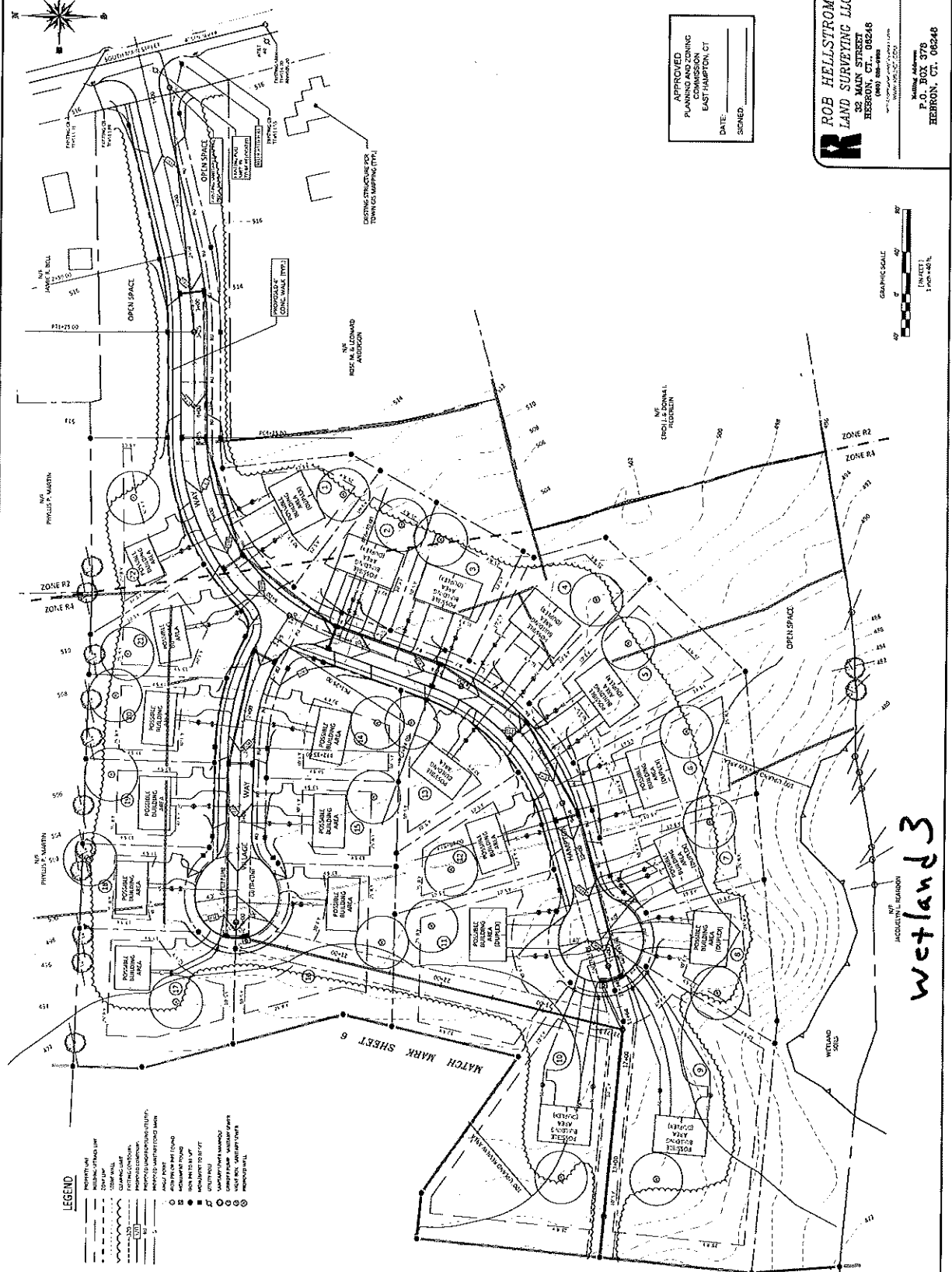
Reynolds Engineering Services, LLC
 C.T. ENGINTEERS CONSULTANTS
 105-106
 105-106
 EAST HAMPTON, CT

5 OF 15
 DRAWING #
 JOB # 21-108

RES
 APPROVED
 PLANNING
 COMMISSION
 EAST HAMPTON, CT

ROB HELLSTROM
 LAND SURVEYING LLC
 32 MAIN STREET
 HERRON, CT. 06248
 (860) 886-8888
 WWW.HLSURV.COM

DATE: _____
 SIGNED: _____



Wetland 3