3. Map showing the following details that presently exist. (The Commission may require an A-2 map be filed as part of the application)

A. Area of proposed pond watershed to pond surface area ratio. **100 to 1 10 to 12 acre watershed, less than 5000 sq feet**

B. Wetland soils and non-wetland soil delineated. **Limited to the lower section**

C. Elevation of outflow that presently exists.

D. Show the area of existing open water, rooted submerged vegetation, emergent vegetation, upland wetlands, and present vegetative cover around perimeter of proposed pond site (standing timber, brush, grasses, & etc.)

E. Outline areas to be excavated and proposed final depths and slopes. **Final depth 5 to 8 feet, 3 to 1 slopes.**

F. Outline areas for soil deposition (soil stockpile) and area of vegetative disturbance needed to accommodate process. **See site plan. Once dewatered, soil will be spread on the existing field to the north.**

G. Professional Engineer designed detailed diagram of water control structure, proposed flow line, elevation, and depth of free board proposed.

H. Erosion control drawn on map. **See Diagram**

I. Narrative of watershed use downstream. **Downstream is a wooded wetlands system that crosses a small pipe and eventually ends up into Burnham Brook. 4000 feet away.**

J. Narrative of construction sequence to include:

a) **Erosion control shall be installed for the access road and the pond area. Wood Chips, Silt Fence, or haybales to be used.**

b) **Construct access roadway.**

c) Dewatering plan. **Excavation to occur in the dry period of the year. If dewatering is needed the water is to be pumped into a dewatering basin wrapped with erosion control measures.**

d) Vegetative removal if necessary. **The proposed pond is in an overgrown field.**

e) Method of excavation. **Material will be excavated with an excavator. The pond will be approached from the east side and deposited to the east on the uplands. The spoils area will be wrapped with erosion control measures daily. Material will be spread out in the existing field. The maximum depth is approximately eight (8) feet. Slopes will be 3 to 1.**

f) Temporary erosion control measures to be used. **See attached map.**

g) Control structure construction. **See attached spillway diagram.**

h) Seeding and vegetative cover planting plan.

The East Haddam Inland/Wetlands and Watercourses Commission has the responsibility to ensure that the total biological value of the wetland system under review is not diminished. Mitigating factors to show wetland value improvements have to be included in all plans. A preliminary meeting before any planning is highly suggested. Each site contains different conditions which may require additional information not requested above.

Areas with over a flow from a 100-acre watershed, a control structure over three feet, or disturbance of over 5000 square feet with require Department of Environmental Protection review and Army Corp of Engineers

From: **James Ventres** james.ventres@easthaddam.org
Subject: **Farm Pond**
Date: Jul 24, 2023 at 2:33:35 PM
To: **emilylouisemueller@gmail.com**

Emily,

So here is a start for your pond application. What we didn't talk about is whether there was going to be an actual dam or was the water surface planned to be at grade with a stone spillway? We also need to draw in a final planting plan.

Hope this helps - Jim

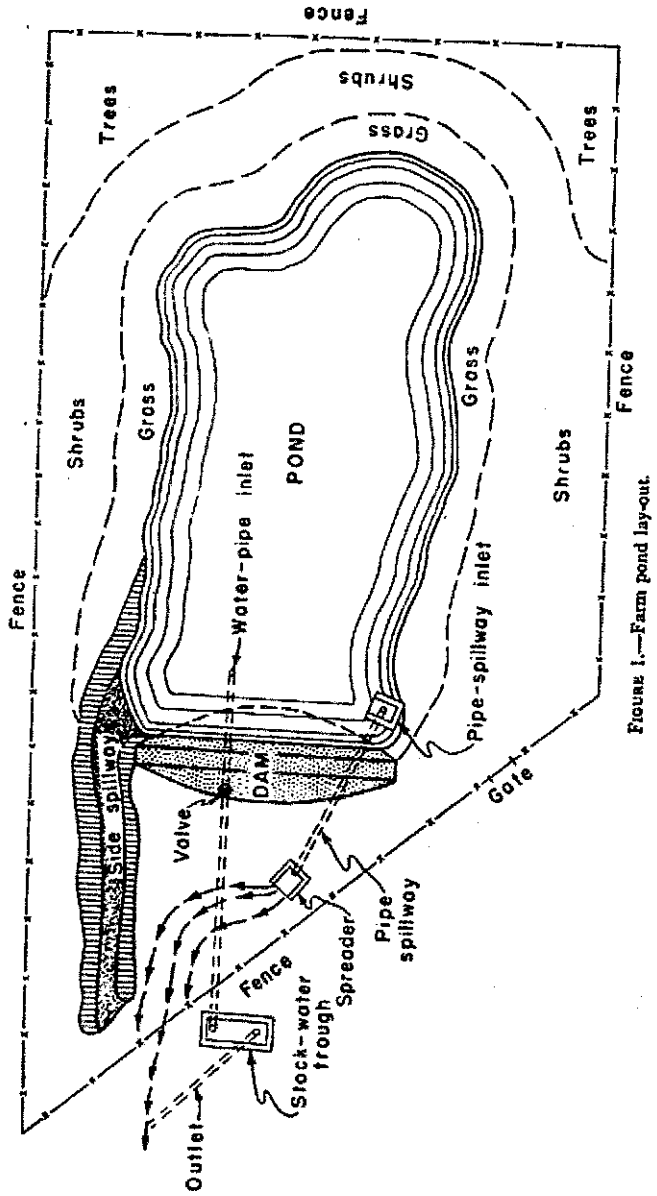


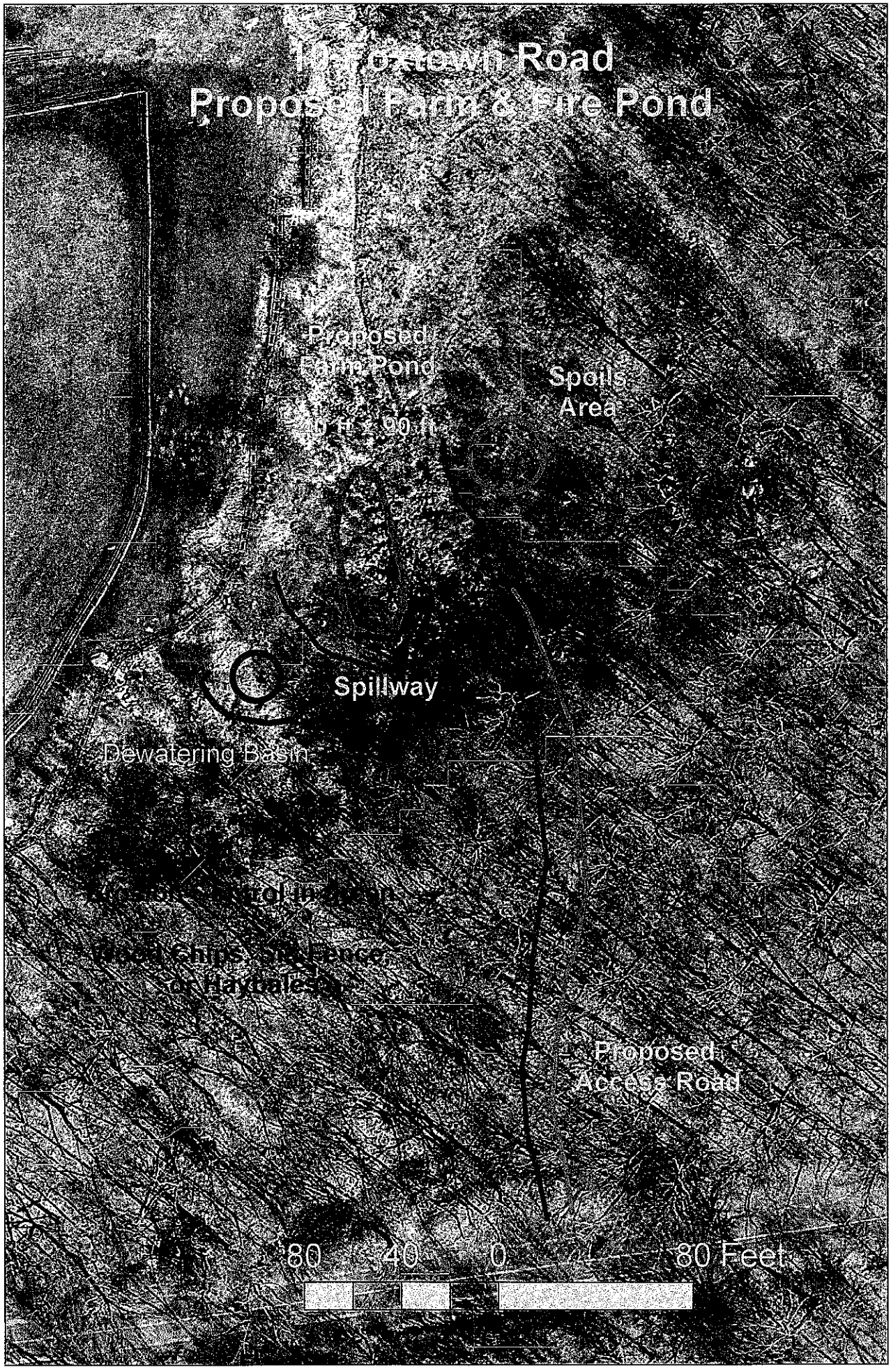
Figure 1.—Farm pond lay-out.

4

HI JIM!

THANK YOU VERY MUCH FOR THIS. A STONE SPILLWAY IS WHAT I PLAN ON DOING. AS FAR AS PLANTINGS GO, I WILL USE THINGS TO HELP PREVENT EROSION. I WILL PROBABLY DEFER TO YOU ON THAT ONE, I AM NOT SURE WHAT IS BEST FOR THE AREA.

THANKS AGAIN,
EMILY MUELLER


Proposed Farm & Fire Pond
Proposed
Farm Pond
Spoils
Area
Spillway
Dewatering Basin
Proposed
Access Road
80 40 0 80 Feet