COOPER
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— SERVICES, LLC —

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March 22, 2020

Frank Sutula
9 Concord Ave.
Cambridge, MA 02138

Re: Boat Shed Proposal #237 Lambert's Cove Rd. Pcl. 3-2.1

Dear Frank:

As requested, I have reviewed the site plan for your proposed boat shed entitled "as-built plan" Mary Tavares, Trustee dated October 29, 2012 by Schofield, Barbini & Hoehn with the proposed boat shed location sketched on it. This plan also portrays the wetlands I previously flagged. The proposed shed is outside of the 100 ft. buffer zone for these wetlands. Also at issue is whether there is a perennial waterway present that would trigger Conservation Commission jurisdiction under the "Rivers Protection Act" (RPA).

On March 20, I visited the site to review my prior wetland flagging and to inspect the site for any perennial stream. This is a particularly good time for such a review since vegetation has died back and groundwater and surface water levels are at their seasonal highs. A small wetland exists to the southwest of your driveway. This wetland drains under the driveway via a culvert. The drainage from this wetland was historically "improved" by man made ditch excavation. This ditch was flowing at the time of my visit. The flow then proceeds to a shallow wetland pocket behind your guest house. This wetland is accurately portrayed on the Schofield plan. I hung a few new wetland flags along the perimeter of this wetland for reference purposes. This wetland has no outlet. Surface flow from the upper wetland exfiltrates into the more permeable soils present in this area resulting in no continuous surface drainage.

I note that the USGS topographic survey indicates a blue line inferring a stream in this area. This is not accurate. The USGS mapping of drainage is frequently conducted using aerial photography. In thickly vegetated areas such as your property, brush and vine growth obscure the ground features on the photo. A photo interpreter will note the stream in the upland and infer that it continues down slope based on the contours. The DEP Hydrology mapping for the area shows no continuous drainageway (however, even that map has a slight inaccuracy showing another non-existent waterway).

In summary, it is my opinion that the boat shed shown on the site plan is outside of the wetlands buffer zone and that there are no RPA qualifying waterways present to affect the location of this shed.

[illegible]

Frank Smith
[illegible]

Re: Shed Proposed [illegible] Cove Road [illegible]

Dear [illegible]:

[illegible] I have reviewed the site plan [illegible] October 29, 2012 by [illegible] location sketched on it. This plan also [illegible] shed is outside of the [illegible] buffer [illegible] In my opinion there is a perennial waterway present that would trigger [illegible] jurisdiction under the "Rivers Protection Act" (RPA).

In [illegible] 201[illegible] I visited the site to review my prior wetland flagging and to inspect the site for a perennial stream. This is a particularly good time for such a review since vegetation [illegible] and groundwater and surface water levels are at their seasonal [illegible] small [illegible] to the southwest of your driveway. This wetland drains under the driveway via a [illegible] The discharge from the wetland was [illegible] "improved" [illegible] ditch that flows [illegible] at the time of my visit. The flow then proceeds [illegible] behind your guest house. This wetland is accurately portrayed on the [illegible] field plan [illegible] with orange wetland flags along the perimeter of this wetland for reference purposes. The [illegible] and the [illegible] Further flow from the upper wetland [illegible] with [illegible] in this area resulting in no continuous surface drainage.

[illegible]

[illegible] photography in densely vegetated areas such as your property, both [illegible] growth obscure the ground features on the photo. A photo interpreter [illegible] the [illegible] upland [illegible] continues down slope based on the contours. The USGS [illegible] mapping [illegible] shows no continuous drainage [illegible] however [illegible] that map [illegible] another [illegible] many years ago.

In summary, it is my opinion that the new shed shown on the site plan is [illegible] of any wetland resources and that there are no RPA qualifying waterways present in [illegible] the location of this shed.

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I hope this review proves useful to you. I have enclosed annotated copies of the various resource mapping and aerial photography for your reference. I will also send copies to Doug Hoehn at Schofield, Barbini & Hoehn. Either of you should feel free to contact me to discuss further if needed.

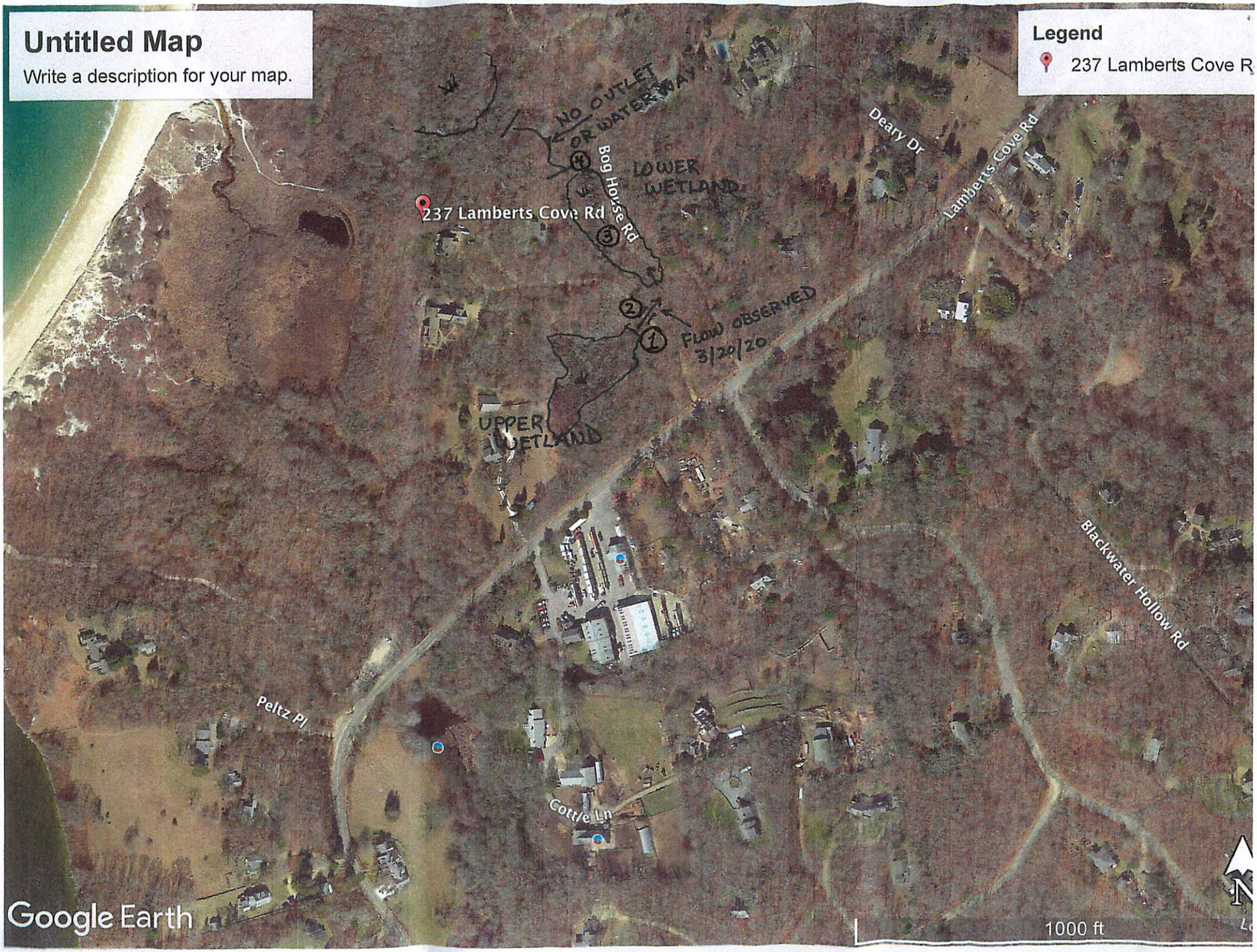
Sincerely,

Doug Cooper

Douglas E. Cooper
Principal Earth Scientist

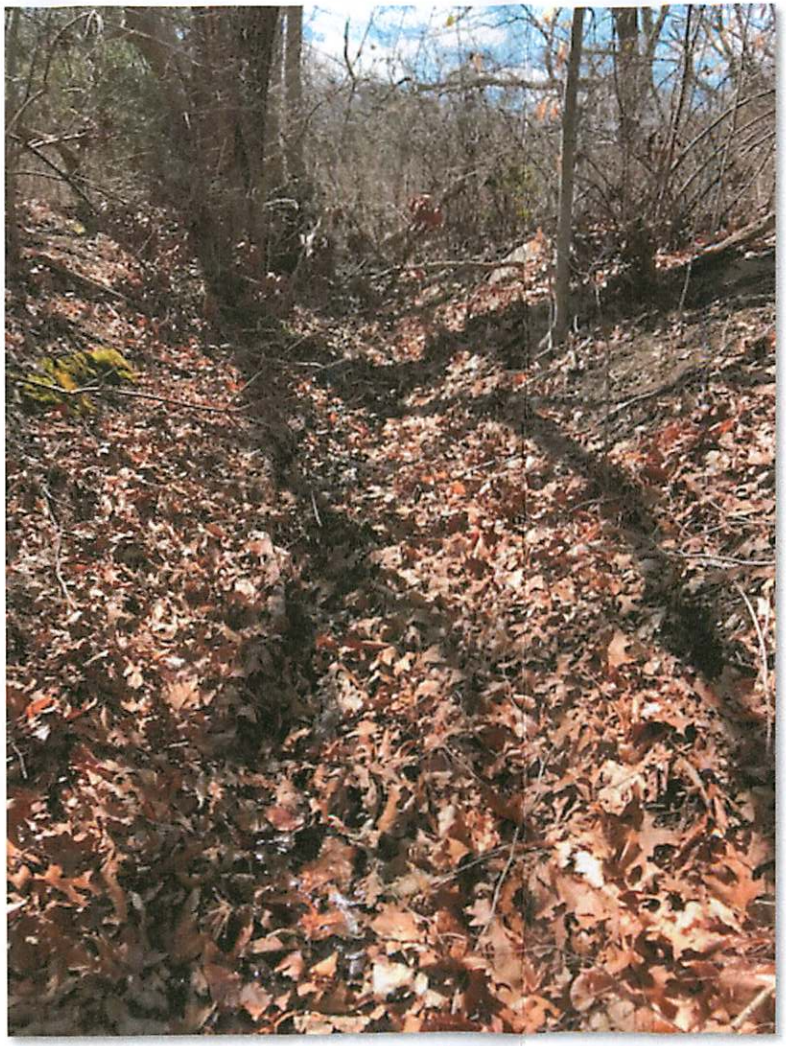
Attachments: USGS topo, Google Earth Photo, DEP Hydrology Map


VINEYARD
Norton Pt
Makonikey Head
BOG HOUSE WAY
Lamberts Cove
Lamberts Cove Brook
Lamberts Cove Cem
Duarte Ponds
USGS INFERRED FLOW (NOT CONTINUOUS)
LOCUS
Paul Pt
Blackwater
James Pond
Lamberts Cove Ch
Lily Pond
BM 7
Cedar Tree Neck
Doggetts Pond
Seths Pond
Old House Pond
Indian Hill
INDIAN
Mayhew Chapel
Lookout Tower
Christiantown Memorial Cem
ROAD
87



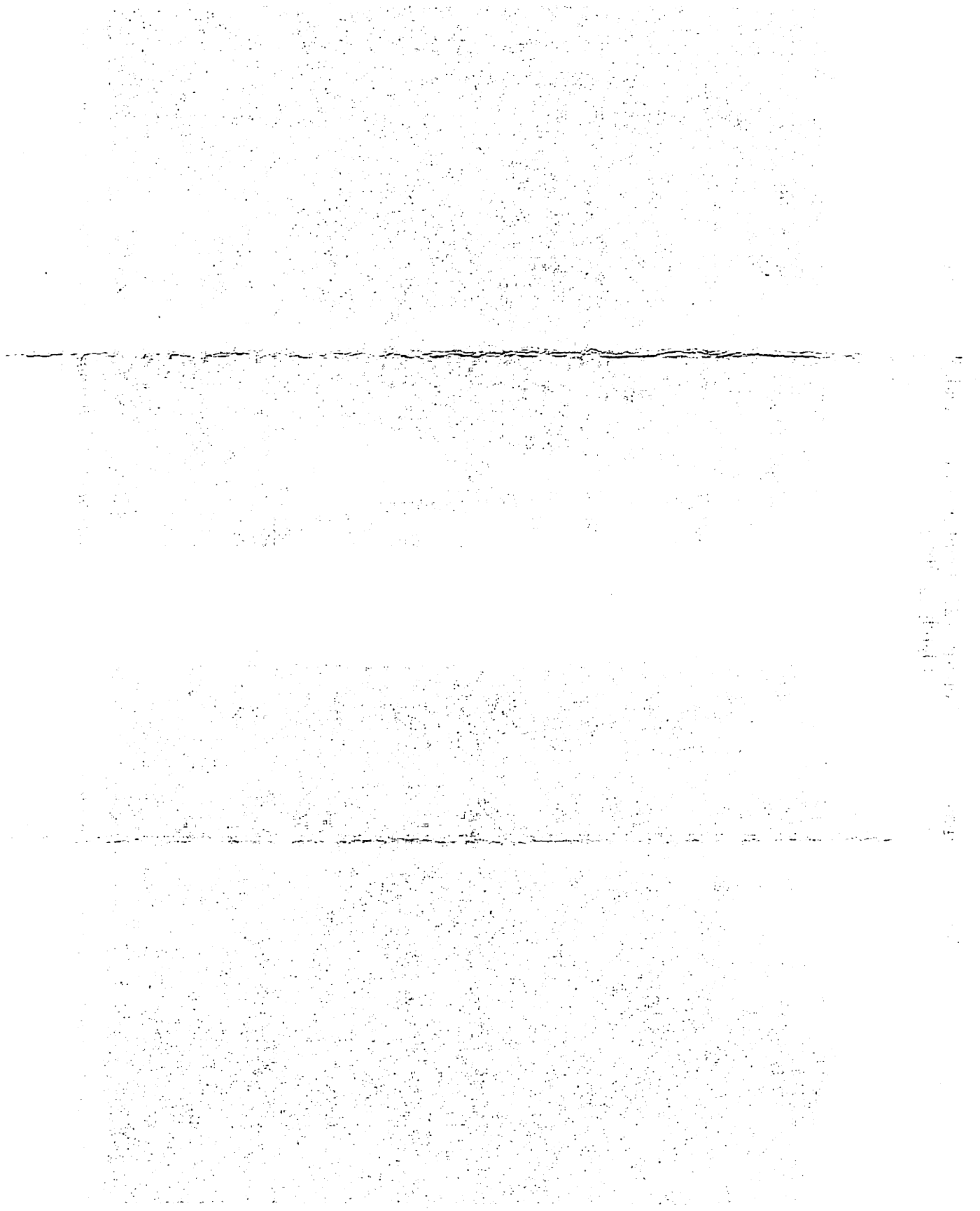
① denotes photo location

Site Photographs – Sutula Property – 237 Lambert's Cove Road, West Tisbury
March 22, 2020



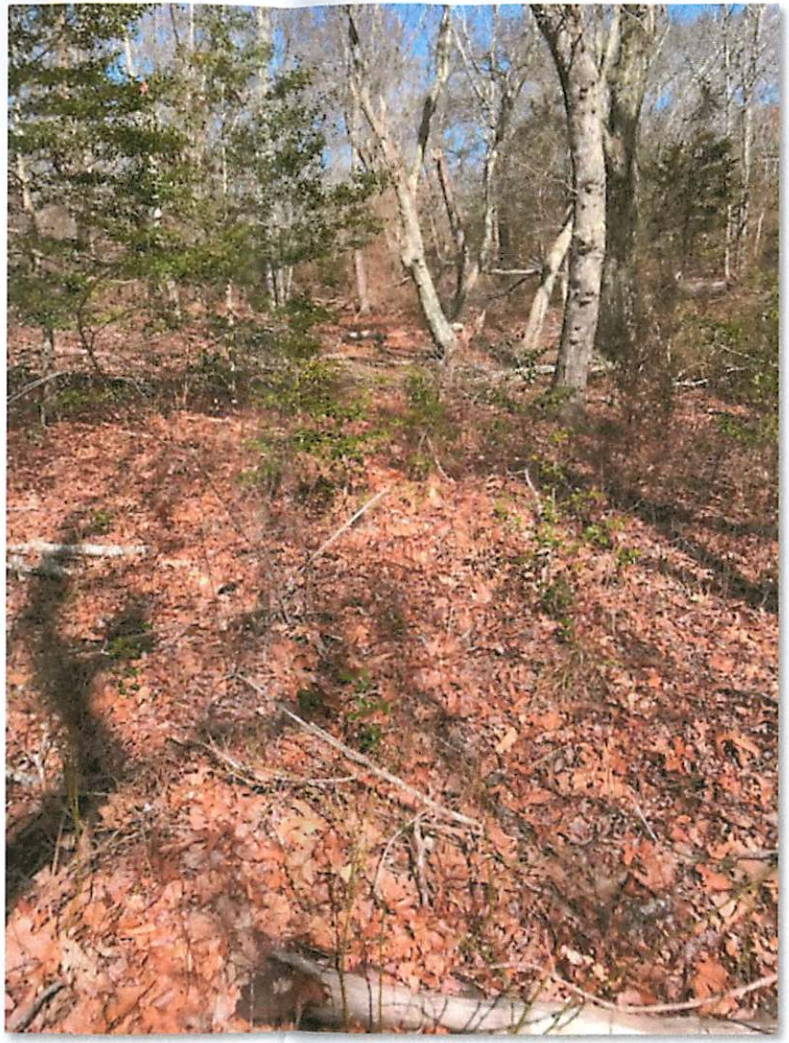
Drainage Ditch facing SW toward upper wetland

Drainage Ditch from upper wetland toward Sutula culvert

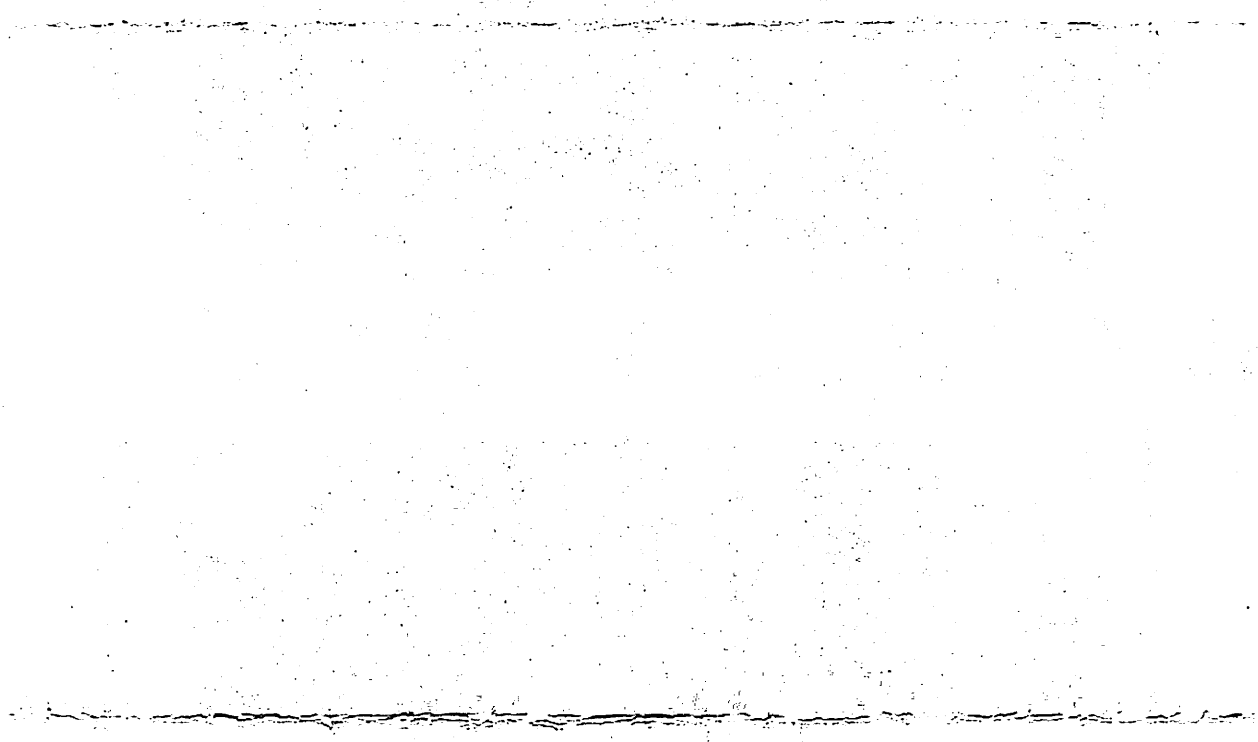


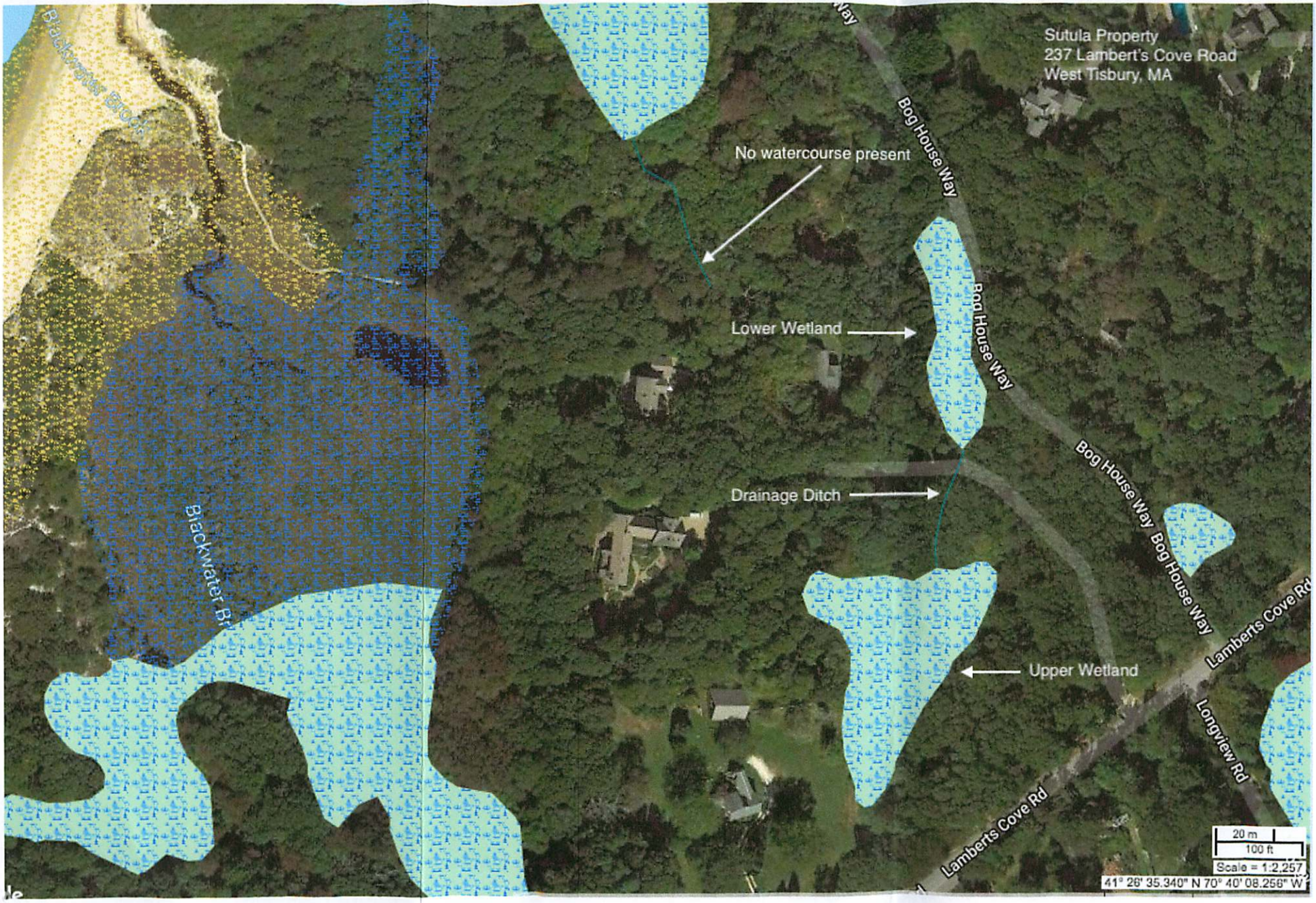
Site Photographs – Sutula Property – 237 Lambert's Cove Road, West Tisbury
March 22, 2020

Lower Wetland behind Sutula guest house facing SW toward culvert



Lower wetland facing NE (Note: no outlet channel)




Sutula Property
237 Lambert's Cove Road
West Tisbury, MA
No watercourse present
Lower Wetland
Drainage Ditch
Upper Wetland
Bog House Way
Bog House Way
Bog House Way
Bog House Way
Lamberts Cove Rd
Lamberts Cove Rd
Longview Rd
Blackwater Brook
Blackwater Br
20 m
100 ft
Scale = 1:2,257
41° 26' 35.340" N 70° 40' 08.256" W