

August 29, 2023

Ms. Breeka Lí Goodlander, Agent
Town of Franklin Conservation Commission
355 East Central Street
Franklin, MA 02038

**Re: 124 and 126 Grove Street - Franklin, MA
MassDEP File No. 159-1274
Abbreviated Notice of Resource Area Delineation Peer Review**

Dear Ms. Goodlander,

BETA Group, Inc. (BETA) is pleased to provide peer review services for the Abbreviated Notice of Resource Area Delineation (ANRAD) submitted for the parcels located at **124 Grove Street and 126 Grove Street, further identified as the Town of Franklin Assessor's Parcel Numbers: 295-004-000 and 295-003-000** in Franklin, Massachusetts (the Site). This letter provides BETA's peer review findings and comments as they relate to the Massachusetts Wetlands Protection Act (M.G.L. ch.131, §40) and its implementing regulations at 310 CMR 10.00 (collectively "the Act") and the Town of Franklin Wetlands Protection Bylaw (Chapter 181) and its implementing regulations (collectively "the Bylaw").

BETA Wetland Scientists performed a Site visit on August 21, 2023 to review the onsite Resource Area boundaries and confirm existing conditions as they relate to the ANRAD filing.

DOCUMENTS REVIEWED

- Application entitled: **Abbreviated Notice of Resource Area Delineation (ANRAD) for 124 and 126 Grove Street (Assessor's Parcel Number 295-004-000 and 295-003-000)**; prepared by Goddard Consulting LLC; dated July 10, 2023.
- Plan (1 Sheet) entitled **Resource Area Plan 124/126 Grove Street Franklin Massachusetts**; prepared by Guerriere & Halnon, Inc.; dated June 26, 2023; stamped and signed by Robert E. Constantine II, MA PLS No. 49611.

SCOPE SUMMARY

The Applicant is requesting that the Conservation Commission confirm the following Resource Areas boundaries, as noted in the application materials, and as delineated and depicted on the ANRAD plan:

- 6,015 linear feet (lf) of Bordering Vegetated Wetland (BVW); and
- 400 lf of Inland Bank.

In addition, the Applicant seeks confirmation that the three (3) stormwater basins¹ on Lot 4 do not qualify as Areas Subject to Protection under the Act or the Bylaw.

¹ These basins include Basin 1, 2, and 3 as depicted on the Basin Determination Overview figure.

ADMINISTRATIVE REQUIREMENTS

The following provides an assessment of the plans in light of generally accepted existing conditions plan standards and the applicable plan requirements under Section 7.18 of the Bylaw Regulations:

Table 1 – ANRAD Plan Requirements

Plan Requirements	Yes	No
North Arrow (with reference)	✓	
Registered PLS Stamp	✓	
Assessors' Reference	✓	
Abutting Property Assessors' Reference		✓ (Comment W1.a.)
Survey Benchmark		✓ (Comment W1.b.)
Existing Conditions and Topography Sourced with date of survey		✓ (Comment W1.c.)
Topography/Contours	✓	
Lot Line Surveyed	✓	
Accurate Plan Scale		✓ (Comment W1.d.)
Resource Areas Identified and Labeled (including Buffer Zones)		✓ (Comment W1.e.)

EXISTING CONDITIONS AND ONSITE RESOURCES

The 37.52-acre Site consists of the two (2) parcels identified above along the eastern limit of Grove Street. The Site is bounded to the north by a residential home, to the west by Amego School and Interstate 495, to the south by commercial businesses, and the east by Grove Street. The Site is currently improved by two (2) buildings, paved driveways, paved parking lots, and lawn area. The remainder of the Site consists of mixed hardwood and softwoods upland vegetation, including but not limited to Eastern white pine (*Pinus strobus*), red maple (*Acer rubrum*), red oak (*Quercus rubra*), and black cherry (*Prunus serotina*). Wetland and stream complexes are present within portions of the vegetated areas. Topographic relief at the Site generally follows a north-to-south orientation.

MassGIS environmental data layers mapped within or near the Site include the following:

Table 3 – GIS-Mapped Areas

Mapped Resource On or Within Proximity to the Survey Area	Yes	No
Area of Critical Environmental Concern		✓
NHESP Certified Vernal Pool		✓
NHESP Potential Vernal Pool		✓
NHESP Estimated Habitat of Rare Wildlife		✓
NHESP Priority Habitat of Rare Species		✓
Outstanding Resource Waters		✓
FEMA Floodplain		✓
Surface Water Protection Area (Zone A, B, or C)		✓
Interim Wellhead Protection Area		✓

Zone I Wellhead Protection Area		✓
Zone II Wellhead Protection Area	✓	

As depicted on the plan, and as described in the ANRAD application, the Applicant has stated that the following Resource Areas exist within 100 feet of the Site:

- Bordering Vegetated Wetland (BVW); and
- Bank (to intermittent stream).

Table 3 further details these Resource Areas.

Table 3 – Resource Areas and Act/Bylaw Jurisdiction (*As identified by the Applicant*)

Resource Area	Flag Series	Act	Bylaw
BVW / Freshwater Wetland	GC-1 to GC-79	✓	✓
BVW / Freshwater Wetland	GC-100 to GC-146	✓	✓
BVW / Freshwater Wetland	109A – 109W	✓	✓
BVW / Freshwater Wetland ("Upland Island")	U1 – U17	✓	✓
Bank (to intermittent stream)	GC-200 to GC-237	✓	✓

COMMENTS

- W1. BETA provides the following administrative and plan comments after conducting a review of the submitted application and plan set:
- Provide Assessor’s references for the abutting properties.
 - Provide a survey benchmark.
 - Provide the date(s) and source(s) of existing conditions topography and the wetland delineation(s).
 - The Bylaw NOI plan requirements cite a plan scale of 1”=40’; however, the submitted plan is at a scale of 1”=60’. Although the plan was not submitted for an NOI, BETA defers to the Commission on this requirement.
 - Provide a legend to more clearly depict Buffer Zone boundaries and existing Site features.
- W2. Stormwater basins should be clearly labeled on the Site Plans and all basins should be depicted on the Plans. Basin 1 is not presently depicted.
- W3. The Applicant stated in the ANRAD narrative that the stormwater basins are non-jurisdictional due to their age, the years in which maintenance was performed, and the makeup of their vegetative communities and soils. BETA offers the following comments relative to the stormwater basins:

- a. The jurisdictional status of the stormwater basins at the Site are subject to review under the provisions of 310 CMR 10.02(2)(c)², which sets forth the regulatory criteria for determining whether stormwater features constitute Areas Subject to Protection under the Act.
- b. Although emergent hydrophytic vegetation and marginal hydric soils were observed, Basin 1 appears to have been well-maintained through mowing and application of stone. Therefore, BETA concurs that this area would not constitute an Area Subject to Protection under the Act or the Bylaw.
- c. Based on a review of historic aerial imagery taken around the time in which the Orders of Conditions provided by the Applicant were issued, it appears that Basins 2 & 3 were constructed and/or improved after 1996. Therefore, these basins may technically be considered non-jurisdictional under the Act. However, the Applicant should confirm that these Orders of Conditions actually permitted work on the basins, as this is not clear based on the documentation provided.
- d. Notwithstanding Comment W3.c. above, BETA disagrees with the Applicant's characterization of these basins. BETA observed a dense cover of hydrophytic vegetation throughout the entirety of Basin 2 including purple loosestrife (*Lythrum salicaria*), soft rush (*Juncus effusus*), marsh bedstraw (*Galium palustre*), broad leaved cattail, spotted joe-pye weed (*Eutrochium maculatum*) and narrow-leaved cattail (*Typha angustifolia*) and observed hydric soils consisting of a depleted, silty mineral soil underlying riprap. Throughout the entirety of Basin 3, BETA observed a dense cover of hydrophytic vegetation including broad leaved cattail (*Typha latifolia*), purple loosestrife sensitive fern (*Onoclea sensibilis*), woolgrass (*Scirpus cyperinus*) and swamp loosestrife (*Decodon verticillatus*) as well as several areas exhibiting hydric soil indicators including redoximorphic features, depletions, and a hydrogen sulfide odor.

The Bylaw protects all Freshwater Wetland regardless of whether they border surface waters and does not distinguish between naturally occurring wetlands and unmaintained basins. Therefore, based on the Bylaw's protection of Resource Areas beyond that of the Act and the fact that Basins 2 & 3 appear to provide wetland functions and values pursuant to the Bylaw³, the Commission could find that Basins 2 & 3 are jurisdictional under the Bylaw as Freshwater Wetlands.

W4. The following flags delineating BVW at the Site should be relocated approximately 5 to 10 feet upgradient of their current locations due to the presence hydric soils and a dominance of hydrophytic vegetation including cinnamon fern (*Osmunda cinnamomea*), skunk cabbage (*Symplocarpus foetidus*), and red maple (*Acer rubrum*):

- GC4;

² Notwithstanding the provisions of 310 CMR 10.02(1) and (2)(a) and (b), stormwater management systems designed, constructed, installed, operated, maintained, and/or improved as defined in 310 CMR 10.04 in accordance with the Stormwater Management Standards as provided in the Stormwater Management Policy (1996) or 310 CMR 10.05(6)(k) through (q) do not by themselves constitute Areas Subject to Protection under M.G.L. c. 131, § 40 or Buffer Zone provided that: 1. the system was designed, constructed, installed, and/or improved as defined in 310 CMR 10.04 on or after November 18, 1996; and 2. if the system was constructed in an Area Subject to Protection under M.G.L. c. 131, § 40 or Buffer Zone, the system was designed, constructed, and installed in accordance with all applicable provisions in 310 CMR 10.00.

³ Based on BETA's field observations, it appears that Basins 2 & 3 provide wetland functions and values pursuant to the Bylaw including protection of groundwater, protection of water quality, water pollution control, flood control, and wildlife habitat.

August 29, 2023

Page 5 of 5

- GC5;
- GC8; and
- GC10.

W5. BETA concurs that the upland island identified within the BVW at the southern extent of the Site has been correctly delineated.

W6. BETA concurs that an intermittent/ephemeral stream is present between flags GC200 to GC207 and GC229 to GC237. However, no bankfull indicators were observed east of the culvert adjacent to flags GC207/GC229 and the flagging within this eastern area appears to delineate the boundary of BVW. Further, the Wetland Border Report notes that only flags GC200 to GC218 delineate Bank, which is inconsistent with the Resource Area labeling on the plan. BETA recommends that the intermittent stream be identified as discussed in this comment and that all other flagging in the vicinity be characterized as BVW/Freshwater Wetlands.

W7. BETA recommends that the Commission exclude approval of any wetland flags located on abutting properties (e.g., flags 100 to 105 and 132 to 138 located within the Interstate 495 State Highway Layout) within the Order of Resource Area Delineation (ORAD).

Review Summary

Based on our review of the ANRAD submittal and plan, and the existing conditions at the Site, it is BETA's opinion that the comments above should be addressed to facilitate the issuance of an accurate ORAD.

If we can be of any further assistance regarding this matter, please contact us at our office.

Very truly yours,
BETA Group, Inc.



Anna Haznar
Staff Scientist



Jonathan Niro
Project Scientist