



Applied River and Wetland Restoration
Founded 1983

March 7, 2024

Lynnfield Conservation Commission
55 Summer Street
Lynnfield, MA 01940

Re: RDA for Potential Native Plantings and Erosion and Sediment Control Best Management Practices in Alcove of Ipswich River During Dam Removal

Dear Lynnfield Conservation Commission:

On behalf of the applicant and owner, Bostik, Inc., Inter-Fluve is pleased to provide a Request for Determination of Applicability (RDA) associated with the South Middleton Dam Removal project. The South Middleton Dam Removal project has received an Order of Conditions from the Town of Middleton (MassDEP File Number 222-086) to remove the dam and restore a free-flowing Ipswich River. The current impoundment upstream of the dam consists of the pre-dam river channel and multiple alcoves that were likely wetlands prior to dam construction. During the dam removal, the impoundment will be slowly drawn down to minimize sediment movement from these alcoves to the river channel. This RDA is for possible erosion and sediment control best management practices (BMPs) in an alcove of the Ipswich River approximately 1,600 feet upstream of South Middleton Dam within the Town of Lynnfield. The alcove will be monitored during the controlled draw-down of the impoundment and BMPs will be initiated, if necessary, to limit downstream movement of sediment. BMPs include native seeding and planting and/or installation of a turbidity curtain. Temporary erosion and sediment controls will be removed once the vegetation becomes established within the alcove. The stabilization measures will be installed and removed by hand with no ground disturbance or use of heavy machinery. The resource areas will not be altered as a result of the proposed BMPs. The alcove is currently characterized as land under water and freshwater wetland; therefore, it is an Area Subject to Protection under M.G.L. c. 131, § 40 as defined in 310 CMR 10.02(1).

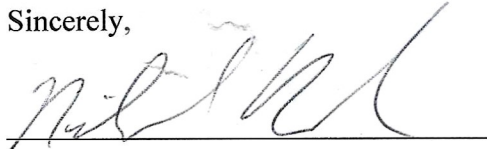
We request that the Conservation Commission exempt the possible best management practices described above from the requirement to submit a Wetlands Protection Act Notice of Intent as no ground-disturbing activities are proposed and the actions will benefit the regulated resource areas.

Permit applications for Clean Water Act Section 404 from U.S. Army Corps of Engineers, and Chapter 91 and Section 401 Water Quality Certification from MassDEP have been submitted and

are in review. The anticipated period of construction is from summer to early fall of 2024 during the low flow season.

Please do not hesitate to contact me if you have any questions: 617-852-7744, nnelson@interfluve.com. Thank you for your review and consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Nelson", written over a horizontal line.

Nick Nelson, CERP

Fluvial Geomorphologist, Regional Director



Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

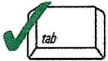
WPA Form 1 - Request for Determination of Applicability

Lynnfield
Municipality

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

<u>Daniel</u>	<u>Welch</u>
First Name	Last Name
<u>Bostik, Inc., 211 Boston Street</u>	
Address	
<u>Middleton</u>	<u>MA</u>
City/Town	State
<u>978-423-9133</u>	<u>01949</u>
Phone Number	Zip Code
<u>dan.welch@arkema.com</u>	
Email Address	

2. Property Owner (if different from Applicant):

<u></u>	<u></u>
First Name	Last Name
<u></u>	
Address	
<u></u>	<u></u>
City/Town	State
<u></u>	<u></u>
Phone Number	Zip Code
<u></u>	
Email Address (if known)	

3. Representative (if any)

<u>Nicholas</u>	<u>Nelson</u>
First Name	Last Name
<u>Inter-Fluve Inc</u>	
Company Name	
<u>220 Concord Ave, 2nd Floor</u>	
Address	
<u>Cambridge</u>	<u>MA</u>
City/Town	State
<u>(617) 714-5537</u>	<u>02138</u>
Phone Number	Zip Code
<u>nnelson@interfluve.com</u>	
Email Address (if known)	

B. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

<u>0 Rear Main Street</u>	<u>Lynnfield</u>
Street Address	City/Town
<u>42.57113</u>	<u>-71.03659</u>
Latitude (Decimal Degrees Format with 5 digits after decimal e.g. XX.XXXXX)	Longitude (Decimal Degrees Format with 5 digits after decimal e.g. -XX.XXXXX)
<u>Book 17390, Page 374</u>	<u>Parcel ID: 0005 0000 0147</u>
Assessors' Map Number	Assessors' Lot/Parcel Number

[How to find Latitude and Longitude](#)

[and how to convert to decimal degrees](#)

b. Area Description (use additional paper, if necessary):
Alcove of Ipswich River, approximately 1,600 feet upstream of South Middleton Dam

c. Plan and/or Map Reference(s): (use additional paper if necessary)

<u>Map Attachment</u>	<u>January 26, 2024</u>
Title	Date
<u></u>	<u></u>
Title	Date



B. Project Description (cont.)

2. a. Activity/Work Description (use additional paper and/or provide plan(s) of Activity, if necessary):

The project is the removal of the South Middleton Dam in Middleton, MA. We anticipate impounded sediment to be passively released following dam removal. We propose a controlled draw-down of the impoundment during the removal of the dam to slowly dewater and allow alcoves along the former impoundment to revegetate and self-stabilize. The alcove identified here will be monitored during the drawdown and best management practices, such as installation of a turbidity curtain and active native seeding and planting, will be initiated if necessary to limit the downstream movement of impounded sediment during dam removal.

- b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

Reference Cover Letter - no ground disturbance is proposed

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

- b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



C. Determinations

1. I request the Lynnfield Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced above is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced above are accurately delineated.
- c. whether the **Activities** depicted on plan(s) referenced above is subject to the Wetlands Protection Act and its regulations.
- d. whether the area and/or Activities depicted on plan(s) referenced above is subject to the jurisdiction of any **municipal wetlands' ordinance or bylaw** of:

Lynnfield

Name of Municipality

- e. whether the following **scope of alternatives** is adequate for Activities in the Riverfront Area as depicted on referenced plan(s).

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

[Signature]
Signature of Applicant

3/11/2024
Date

[Signature]
Signature of Representative (if any)

3/18/2024
Date

MAP ATTACHMENT
January 26, 2024

