

Tighe&Bond

APPENDIX A

FIGURE 1
SITE LOCATION
 September 2025

Garelick Farms Stormwater Improvements Project
 1199 West Central Street
 Franklin, Massachusetts

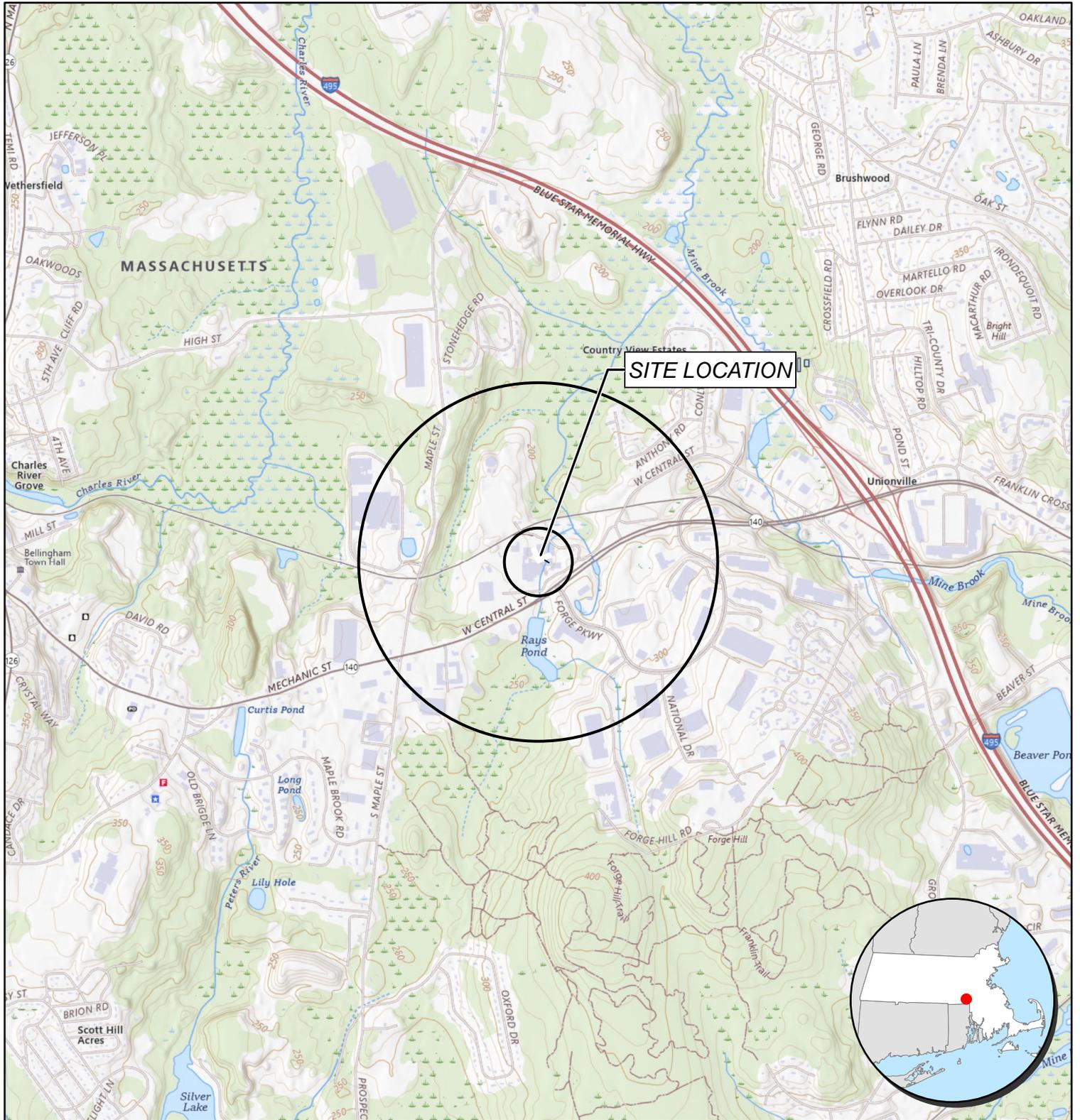
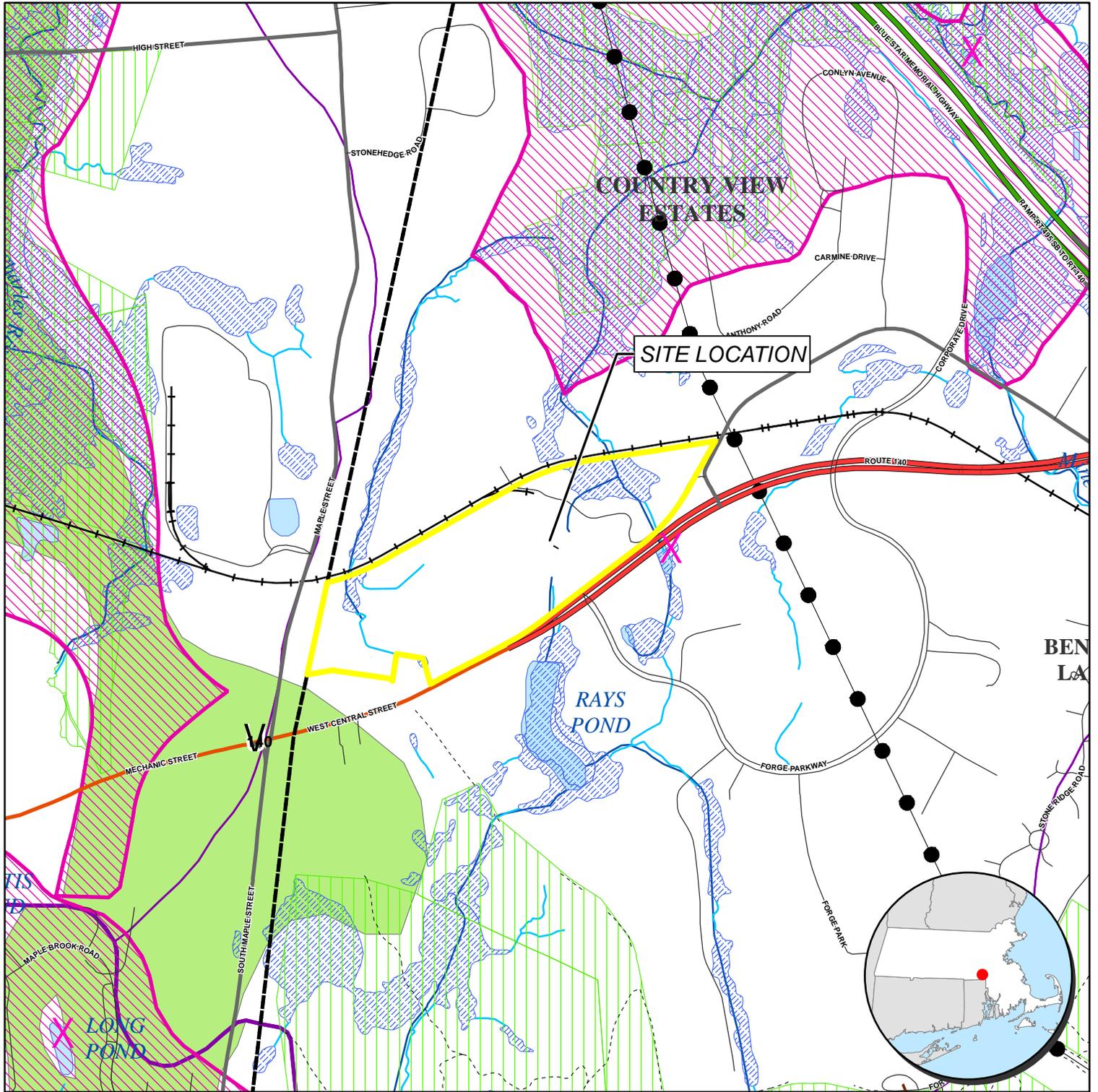


FIGURE 2
PRIORITY RESOURCE
 September 2025



- | | | | | |
|---|---|--|---|---|
| NHESP Certified Vernal Pool | Non-Community Non-Transient Public Water Supply | Stream/Intermittent Stream | Protected and Recreational Open Space | MassDEP Not Interpreted Wetland |
| NHESP Potential Vernal Pool | Non-Community Transient Public Water Supply | Pipeline | Solid Waste Landfill | Public Surface Water Supply (PSWS) |
| Non-Landfill Solid Waste Site | Limited Access Highway | Track or Trail | Area of Critical Environmental Concern (ACEC) | Water Body |
| Proposed Well | Multi-Lane Highway, NOT Limited Access | Railroad | NHESP Priority Habitat for Rare Species | Non-Potential Drinking Water Source Area - High Yield |
| Emergency Surface Water | Other Numbered Route | Site Parcel | NHESP Estimated Habitat for Rare Wildlife | Non-Potential Drinking Water Source Area - Medium Yield |
| Community Public Water Supply - Surface Water | Major Road - Arterials and Collectors | Public Surface Water Supply Protection Area (Zone A) | EPA Designated Sole Source Aquifer | Potentially Productive Medium Yield Aquifer |
| Community Public Water Supply - Groundwater | Minor Street or Road | DEP Approved Wellhead Protection Area (Zone I) | Major Drainage Basin | Potentially Productive High Yield Aquifer |
| | Aqueduct | DEP Approved Wellhead Protection Area (Zone II) | Sub Drainage Basin | County Boundary |
| | Hydrologic Connection | DEP Interim Wellhead Protection Area (IWPA) | MassDEP Inland Wetland | Municipal Boundary |
| | | | MassDEP Coastal Wetland | USGS Quadrangle Sheet Boundary |



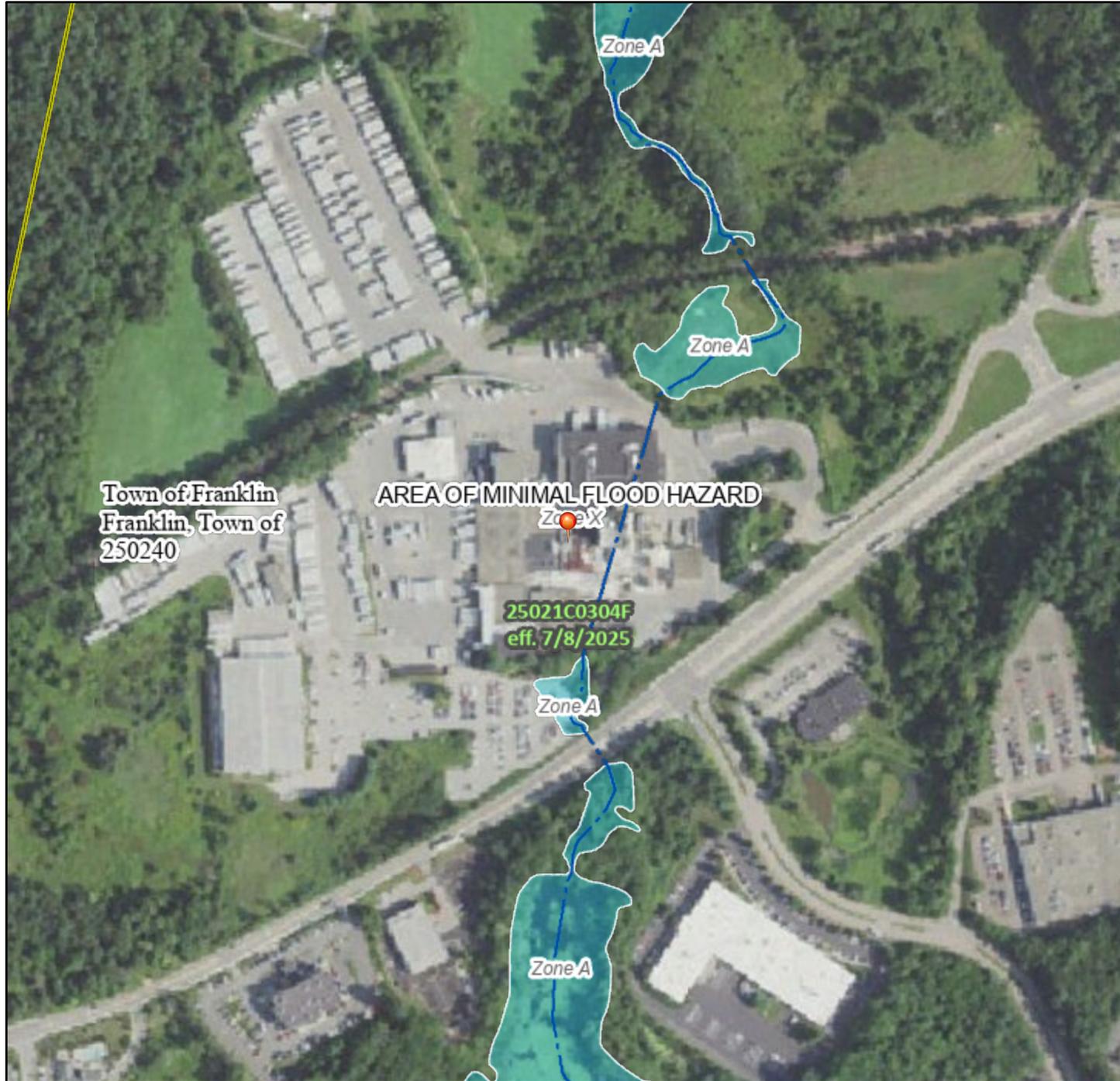
- (Bank Flag
- (Wetland Flag
- U Culvert
- Tree
- Delineated Stream Boundary
- Delineated Wetland Boundary
- ▨ Delineated Wetland



National Flood Hazard Layer FIRMMette



71°27'1"W 42°5'28"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

71°26'24"W 42°5'2"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



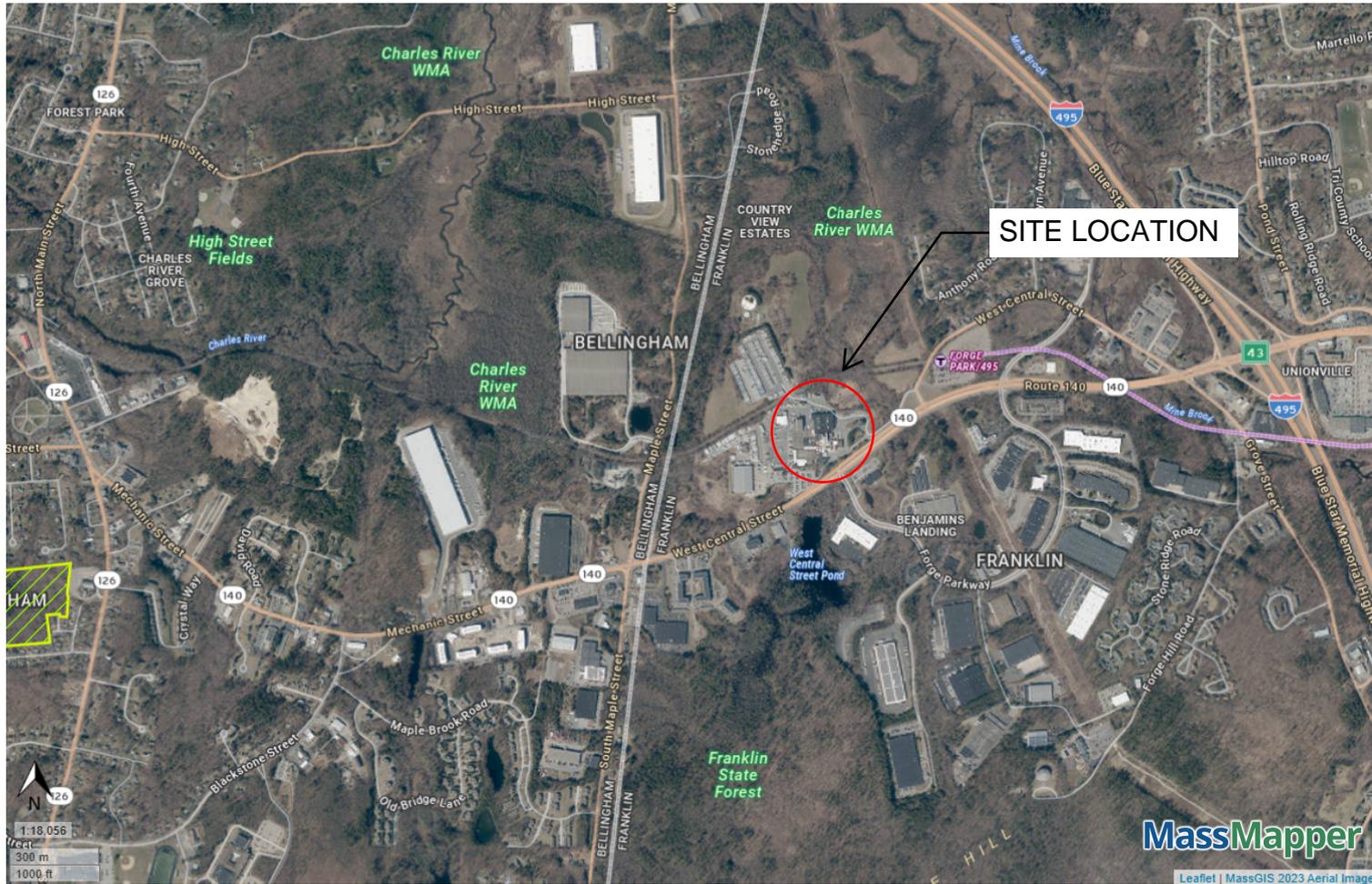
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/2/2025 at 11:21 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Figure 4

Natural Heritage & Endangered Species Estimated Habitat Mapper



NHESP Estimated Habitats of Rare Wildlife



NHESP Priority Habitats of Rare Species



Map Features for Imagery



PERMIT SET

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TEMPORARILY FOR PROGRESS REVIEW ONLY.
IT IS NOT INTENDED FOR BIDDING OR
CONSTRUCTION PURPOSES.

**Garelick
Farms
Stormwater
Improvements**

Dandreo
Brothers
General
Contractors
Franklin, MA

MARK	DATE	DESCRIPTION
PROJECT NO:	G5099-0003	
DATE:	SEPT 2025	
FILE:	G5099-0003-C-Resource Area Figure.dwg	
DRAWN BY:	AJW	
DESIGNED BY:	AJW	
CHECKED BY:	JEC	
APPROVED BY:	JEC	

EXISTING CONDITIONS
RIVERFRONT AREA IMPACT
QUANTIFICATION PLAN -
EXISTING AERIAL SOUTH

SCALE: 1" = 30'

Figure 6

Last Saved: 9/26/2025 9:26:14am By: TMS\sparrin
Plotted On: Sep 26, 2025 10:14am By: TMS\sparrin
Tighe & Bond \\\\tgbond.com\data\proj\G5099-Garelick Farms\AutoCAD\Drawings\Permitting\Drawings\AutoCAD\Figures\RFA Impact Quantification Figures\G5099-0003-C-Resource Area Figure.dwg



PERMIT SET

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Garelick Farms Stormwater Improvements

Dandreo Brothers General Contractors
Franklin, MA

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EXISTING CONDITIONS
RIVERFRONT AREA IMPACT
QUANTIFICATION PLAN -
EXISTING AERIAL NORTH

SCALE: 1" = 30'

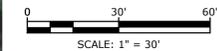


Figure 7

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 Plotted On: Sep 26, 2025 10:14am By: TheSparren
 Tighe & Bond \Vigheand.com\Data\AutoCAD\Projects\G5099 - Garelick Farms\0003 Flood Mitigation Design and Permitting Drawings\AutoCAD\Figures\RFA Impact Quantification Figures\G5099-0003-C-Resource Area Figure.dwg



UNDEVELOPED AREA: 34,155 SF

RFA ENDS WHERE STREAM ENTERS CULVERT > 200 LF

PREVIOUSLY DEVELOPED AND DEGRADED AREA: 42,441 SF

RIVERFRONT AREA

PROPERTY LINE

- 1E-10
- 1E-9
- 1E-8
- 1E-7
- 1E-6
- 1E-5
- 1E-4
- 1E-3
- 1E-2
- 1E-1
- 1F-8
- 1F-7
- 1F-6
- 1F-5
- 1F-4
- 1F-3
- 1F-2
- 1F-1

PERMIT SET

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Garelick Farms Stormwater Improvements

Dandreo Brothers General Contractors
Franklin, MA

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DESIGNED BY:	AJW	
CHECKED BY:	JEC	
APPROVED BY:	JEC	

EXISTING CONDITIONS
RIVERFRONT AREA IMPACT
QUANTIFICATION PLAN -
HISTORIC AERIAL SOUTH

SCALE: 1" = 30'

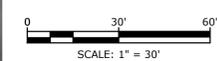


Figure 8

Tighe&Bond

APPENDIX C

Photographic Log

Client: Dandreo Brothers General Contractors

Job Number: G-5099-0003

Site: 1199 West Central Street, Franklin, MA



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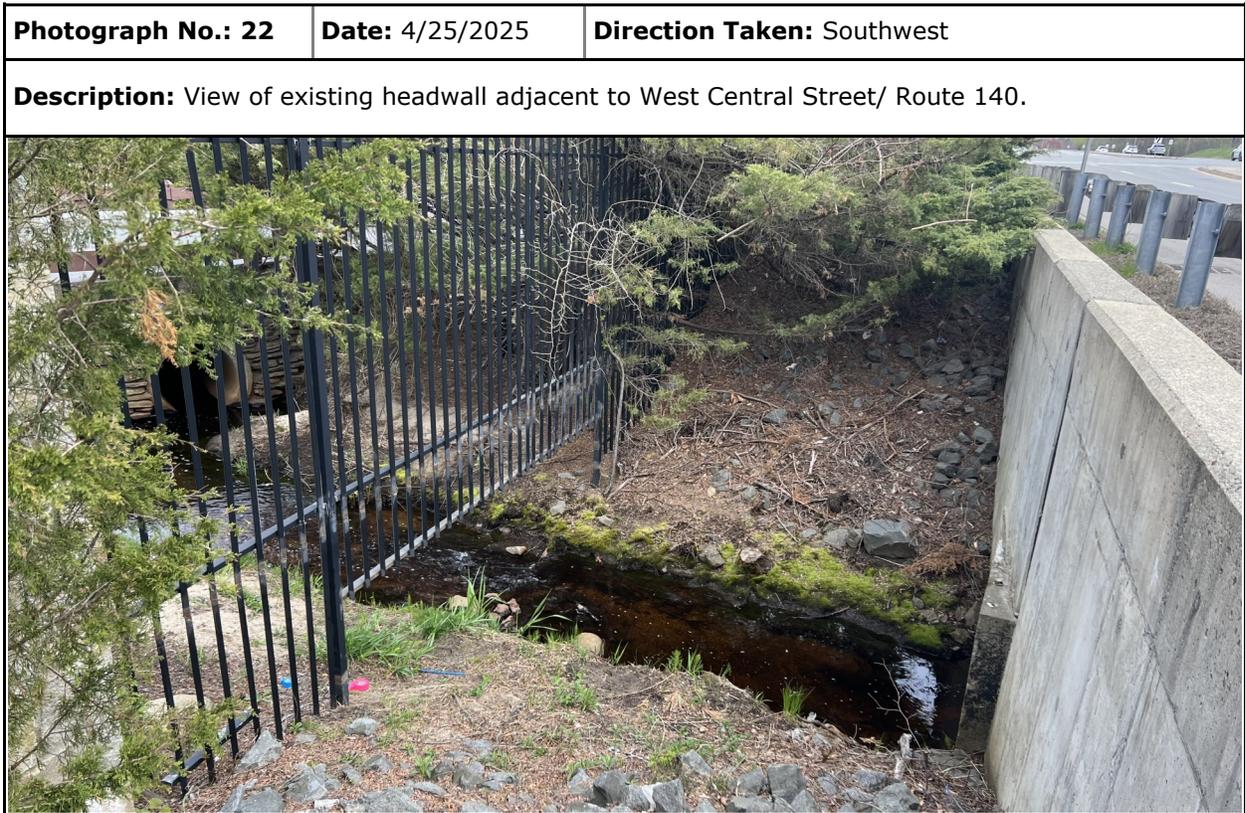


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Photographic Log

Client: Dandreo Brothers General Contractors

Job Number: G-5099-0003

Site: 1199 West Central Street, Franklin, MA

Photograph No.: 7	Date: 4/25/2025	Direction Taken: Southeast
Description: View of existing stormwater infrastructure.		
		

Photograph No.: 8	Date: 4/25/2025	Direction Taken: Southeast
Description: View of existing stormwater infrastructure.		
		

Photographic Log

Client: Dandreo Brothers General Contractors

Job Number: G-5099-0003

Site: 1199 West Central Street, Franklin, MA

Photograph No.: 11	Date: 4/25/2025	Direction Taken: Southeast
Description: View of existing culvert located on the northeastern portion of the Site .		



Photograph No.: 12	Date: 4/25/2025	Direction Taken: Northeast
Description: View of Mine Brook.		

