

Environmental Justice Screening Form

Project Name	Dutton Road and Newton Road Ecological Restoration and Culvert Improvements Project
Anticipated Date of MEPA Filing	July 15, 2026
Proponent Name	Robert E. Ward, City of Haverhill Department of Public Works Director
Contact Information (e.g., consultant)	AECOM: Jillian Flanagan Email: jillian.flanagan@aecom.com Telephone: 978-905-2100
Public website for project or other physical location where project materials can be obtained (if available)	Not available at this time
Municipality and Zip Code for Project (if known)	Haverhill, 01830
Project Type* (list all that apply)	Ecological Restoration, Dredging, Transportation – Roadways/Transit, Other (Culvert Replacement)
Is the project site within a mapped 100-year FEMA flood plain? Y/N/unknown	Yes
Estimated GHG emissions of conditioned spaces (click here for GHG Estimation tool)	N/A

Project Description

1. Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known. The goals of the proposed Dutton Road and Newton Road Ecological Restoration and Culvert Improvements Project are to: remove existing barriers to wildlife movement and restore stream connectivity in the project area, improve habitat for State-listed Blanding's turtles as well as other wildlife species, reduce flooding of roadways within the vicinity of project area which in turn will improve safety for both wildlife and drivers, and improve compliance with MA Stream Crossing Standards. The limits of work for the proposed project encompass approximately 1.98 acres in total (1.65 acres for the main project area; 0.33 acres for the proposed cul de sac on Dutton Road). The project includes the following main components: the removal and daylighting of the existing Dutton Road culvert (an area of approx. 40' x 100' and includes the creation of a new open stream channel segment and new Bordering Vegetated Wetlands (BVW), native wetland and upland shrub and tree species plantings, wetland and upland restoration seed mixes); creation of a sinuous stream channel segment to guide stream flows from the new daylighted area northward to the upgradient entrance of the new Newton Road culvert (dredging of the new channel within existing BVW; new stream channel length of approx. 520', approx. width between 9.5' and 17.5', approx. depth between 1' to 2'); installation of a new 9.5' wide x approx. 6' high x approx. 70' long box culvert under Newton Road; raising of the grade of a portion of Newton Road to accommodate the minimum required cover over the box culvert (includes road shoulder fill along both the east shoulder and west shoulder of Newton Road to accommodate the new proposed shoulder slope dimensions); creation of a short stream segment on the west side of Newton Road to guide flow from the new Newton Road culvert westward to the
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existing Snow's Brook stream channel (dredging in BVW to create the new channel segment; approx. 60' long x approx. 9.5' to 17' wide x approx. 1' deep); plugging of the existing 36" diameter undersized culvert in the southern portion of the limits of work at Newton Road to help guide flows to the new sinuous stream channel and new Newton Road box culvert; installation of turtle basking logs along the newly created stream channel using logs salvaged from tree cutting necessary to facilitate project construction; installation of new guardrails along both shoulders of Newton Road and the north and south ends of the Dutton Road daylighted area; and installation of turtle exclusion devices along both the west side and east side of Newton Road, and restoration of any temporarily impacted resource areas (e.g. BVW and Land Under Water) within the project limits of work.

Since the daylighted area of Dutton Road will create an open channel where the roadway once existed, access to properties along Dutton Road will be made using the existing northern entrance and the south entrance use will be discontinued. As a result, and for public safety, a new cul de sac is proposed on Dutton Road north of the daylighted area to allow fire trucks, emergency vehicles, and other large vehicles enough room to be able to turn around on Dutton Road and exit out of the northern entrance to Newton Road. The cul de sac construction will include minor regrading, vegetation removal, and paving. Best Management Practices will be used during project construction to protect resource areas in the project vicinity and minimize temporary project impacts.

List anticipated MEPA review thresholds (301 CMR 11.03) (if known)

- 301 CMR 11.03(3)(b)1.d: alteration of 5,000 or more sf of bordering or isolated vegetated wetlands;
- 301 CMR 11.03(3)(b)1.f: alteration of ½ or more acres of any other wetlands.
- 301 CMR 11.03(6)(b)2.b: cut five or more living public shade trees of 14 or more inches in diameter at breast height.

3. List all anticipated state, local and federal permits needed for the project (if known)

- US Fish and Wildlife Service Endangered Species Consultation
- Massachusetts Natural Heritage & Endangered Species Review
- Massachusetts Historical Commission Project Notification Form (PNF) and National Historic Preservation Act Section 106 Compliance
- MEPA Environmental Notification Form (ENF) Certificate
- MassDEP 401 Water Quality Certification
- US Army Corps of Engineers Section 404 Permit
- MA Wetlands Protection Act Notice of Intent (Order of Conditions anticipated from Haverhill)

4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map identifying 5-mile radius from [EJ Maps Viewer](#) in lieu of narrative)

Within a 1-mile radius there is 1 EJ block group across one municipality: Haverhill, MA. The project site is located within 1 EJ block group designated as environmental justice populations in Haverhill on the basis of minority.

Within a 5-mile radius there are 25 block groups across 3 municipalities: Haverhill, Merrimac, Methuen. Within 5-miles the block groups are designated as environmental justice populations as follows: 1 block groups with 1 income; 14 minority; 9 minority and income; 1 minority income and English isolation.

Please see attached figures.

5. Identify any municipality or census tract meeting the definition of “vulnerable health EJ criteria” in the [DPH EJ Tool](#) located in whole or in part within a 1 mile radius of the project site.

There are two municipalities within 1 mile of the Project site: Haverhill, Massachusetts and Plaistow, New Hampshire:

- Haverhill has higher blood lead prevalence (15/1000) compared to the statewide rate (14/1000); significantly higher heart attack rate (31/1000) compared to the statewide rate (28/1000)
- DPH EJ Tool is not applicable to New Hampshire municipalities

6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation.

The following impacts may affect EJ populations as well as the wider public:

- Short-term impacts to traffic patterns on Newton Road, Dutton Road, and Newton Way due to construction equipment/vehicles entering the project area and road closures for construction.
- Short-term impacts to air quality in the project area could result from the temporary operation of machinery associated with construction activities. Best management practices (BMPs) to control construction emissions would be implemented to minimize dust and emissions.
- Short-term impacts to noise levels in the project area would occur during construction, primarily from mechanical equipment used for construction activities. Noise impacts will be minimized to the extent feasible through measures including preventing unnecessary vehicle idling.
- There are no anticipated long-term negative environmental or public health impacts as a result of the proposed project. These impacts would not result in disproportionate adverse effects on an EJ population.

7. Identify project benefits, including “Environmental Benefits” as defined in 301 CMR 11.02, that may improve environmental conditions or public health of the EJ population.

The EJ populations as well as the wider community would benefit from the Dutton Road and Newton Road Ecological Restoration and Culvert Improvements Project. The current culvert system on both Dutton Road and Newton Road is undersized and does not meet the requirements for the Massachusetts Stream Crossing Standards, resulting in periodic flooding of the roadways and poses a safety hazard to both wildlife in the area (including State-listed Blanding’s turtles among other turtle species present) and to the general public travelling on both Dutton Road and Newton Road. Drivers’ safety is compromised when trying to navigate flooded roadways and when wildlife are attempting to cross Dutton Road and Newton Road. The project incorporates measures to help minimize wildlife crossings of travelled roadways (turtle exclusion barriers) as well as periodic flooding conditions that endanger both drivers and wildlife. In addition to meeting nearly all of the Massachusetts Stream Crossing Standards for the new proposed culvert at Newton Road, the project will enhance habitat connectivity for wildlife at the site by removing the Dutton Road Culvert which currently serves as a barrier to the movement of wildlife species present at the site. The Dutton Road culvert area will be daylighted, planted with native shrubs and trees, and seeded with restoration seed mixes. The proposed stream channel through the existing wetland bounded by Dutton Road and Newton Road will more efficiently guide water from Tilton Swamp to the new proposed culvert at Newton Road and the proposed shorter stream channel segment west of Newton Road will join that flow back to Snow’s Brook. Salvaged trees cut for construction access will be installed along the banks of the proposed stream channel, providing additional basking locations for turtles and other wildlife.

8. Describe how the community can request a meeting to discuss the project, and how the community can request oral language interpretation services at the meeting . Specify how to request other accommodations, including meetings after business hours and at locations near public transportation.

To request accommodations, please email or call Jillian Flanagan (AECOM) at jillian.flanagan@aecom.com or call 978-905-2100.



Limit of Work

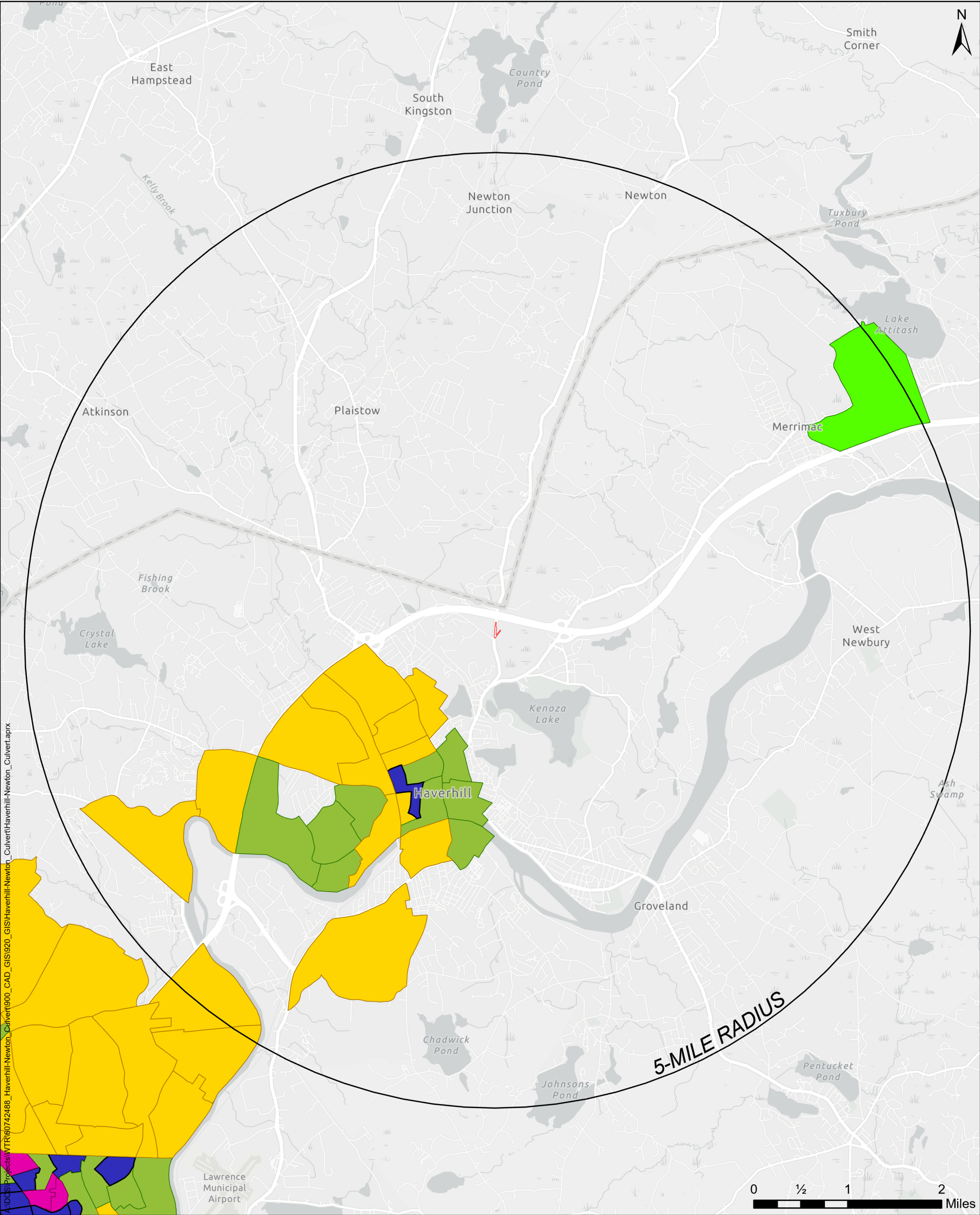
2020 Environmental Justice Neighborhoods

- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group is in is $< 150\%$ of the Massachusetts median household income
- Income: at least 25% of households have a median household income 65% or less than the state median household income
- Language isolation: 25% or more of households do not include anyone older than 14 who speaks English very well
- Minority and Income
- Minority and English isolation
- Income and English isolation
- Minority, Income and English isolation

FIGURE 2
HAVERHILL CULVERT REPLACEMENT
LOCUS MAP
2020 ENVIRONMENTAL JUSTICE
NEIGHBORHOODS
1-MILE RADIUS



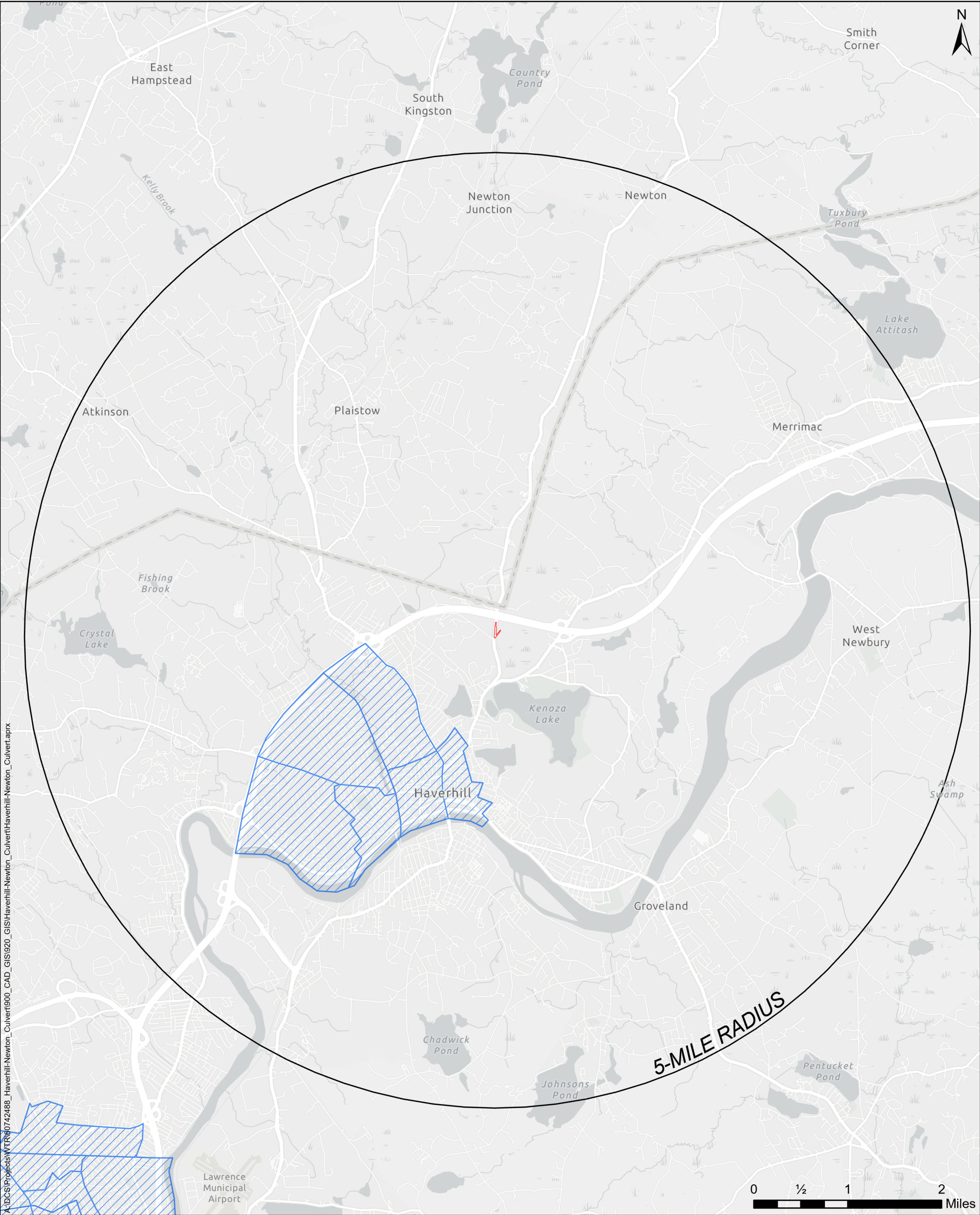
FIGURE 3
HAVERHILL CULVERT REPLACEMENT
LOCUS MAP
LANGUAGE(S) OTHER THAN ENGLISH
SPOKEN BY PERSONS WHO DO NOT
SPEAK ENGLISH VERY WELL IF
THOSE SPEAKERS TOTAL 5% OR
MORE OF THE TRACT POPULATION
1-MILE RADIUS



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- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group is in is $< 150\%$ of the Massachusetts median household income
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- Minority and Income
- Minority and English isolation
- Income and English isolation
- Minority, Income and English isolation
- Limit of Work

FIGURE 4
HAVERHILL CULVERT REPLACEMENT
LOCUS MAP
2020 ENVIRONMENTAL JUSTICE
NEIGHBORHOODS
5-MILE RADIUS



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-  Spanish
-  Limit of Work

FIGURE 5
HAVERHILL CULVERT REPLACEMENT
LOCUS MAP
LANGUAGE(S) OTHER THAN ENGLISH
SPOKEN BY PERSONS WHO DO NOT
SPEAK ENGLISH VERY WELL IF
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