

ENVIRONMENTAL NOTIFICATION FORM

For

CENTRAL STREET SIDEWALK IMPROVEMENTS PROJECT

NORTH READING, MA.

SEPTEMBER 29, 2020

Prepared for:

Town of North Reading
Community Planning Department
Town Hall, 235 North Street
North Reading, MA. 01864

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PROJECT SUMMARY

For

Central Street Sidewalk Improvements Project
North Reading, MA.

September 2020

The Town of North Reading, through its Community Planning Department, proposes to construct a 5-ft wide hot mix asphalt sidewalk with granite curbing along the east side of Central Street beginning at its intersection with Park Street (Rte. 62) and extending to its intersection with Spruce Road (3,650 LF +/-).

The proposed project will require the removal of 25 trees within the municipal Right-of-Way to facilitate sidewalk installation. The Massachusetts Environmental Policy Act (MEPA) regulations, specifically Section 11.03 Review Thresholds, were reviewed and an Environmental Notification Form (ENF) is required based on the following threshold:

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; or.....”.

Of the 25 trees to be removed, 19 trees are 14 or more inches in diameter at breast height.

The project will be constructed in two phases with Phase I including 1,850 LF +/- of Central Street (Park Street to Quimby Road) with construction beginning in the Spring of 2021 and ending in the Summer of 2021. Phase II will include the remaining portion of the Central Street project area (Quimby Road to Spruce Road), approximately 1,800 LF. The expected construction schedule for Phase II is work beginning in the Spring of 2022 and extending to the Summer of 2022.

Six bordering vegetated wetlands (BVW's) were delineated in the vicinity of the Project. Proposed work will occur in 4 of the 6 BVW buffer zones totaling 10,100 sf of buffer zone disturbance. No direct impacts to bordering vegetated wetlands (BVW) are proposed. An estimated 260 sf of buffer zone disturbance will take place within a 12-ft No-Build buffer (Local By-Law). The Project does not fall within mapped rare species habitat or areas of critical environmental concern.

The Town is in the process of seeking construction funding through the Massachusetts Department of Transportation's Complete Streets Program.

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Massachusetts Environmental Policy Act (MEPA) Office

Environmental Notification Form

For Office Use Only

EEA#: _____

MEPA Analyst: _____

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Central Street Sidewalk Improvements project		
Street Address: Central Street (Spruce Road to Park Street)		
Municipality: North Reading	Watershed: Ipswich	
Universal Transverse Mercator Coordinates:	Latitude: 42-34-41 N Longitude: 71-05-37 W	
Estimated commencement date: 4/1/21	Estimated completion date: 7/1/22	
Project Type: Municipal Sidewalk Project	Status of project design: 60 %complete	
Proponent: Town of North Reading		
Street Address: 235 North Street		
Municipality: North Reading	State: MA.	Zip Code: 01864
Name of Contact Person: Danielle McKnight		
Firm/Agency: Planning Department	Street Address: 235 North Street	
Municipality: North Reading	State: MA.	Zip Code: 01864
Phone: 978-357-5206	Fax:	E-mail: dmcknight@northreadingma.gov

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
☐ Yes ☒ No

If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:

a Single EIR? (see 301 CMR 11.06(8))	☐ Yes ☐ No
a Special Review Procedure? (see 301CMR 11.09)	☐ Yes ☐ No
a Waiver of mandatory EIR? (see 301 CMR 11.11)	☐ Yes ☐ No
a Phase I Waiver? (see 301 CMR 11.11)	☐ Yes ☐ No

(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)

Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?
301CMR 11.03(6)(b)2b.

Which State Agency Permits will the project require?
MEPA - ENF

Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres:
Construction Funding – MassDOT Complete Streets Program

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	1.8		
New acres of land altered		0.0	
Acres of impervious area	1.1	0.4	1.5
Square feet of new bordering vegetated wetlands alteration		0.0	
Square feet of new other wetland alteration		0.0	
Acres of new non-water dependent use of tidelands or waterways		0.0	
STRUCTURES			
Gross square footage			
Number of housing units			
Maximum height (feet)			
TRANSPORTATION			
Vehicle trips per day			
Parking spaces			
WASTEWATER			
Water Use (Gallons per day)			
Water withdrawal (GPD)			
Wastewater generation/treatment (GPD)			
Length of water mains (miles)			
Length of sewer mains (miles)			
Has this project been filed with MEPA before? ☐ Yes (EEA #_____) ☒ No			
Has any project on this site been filed with MEPA before? ☐ Yes (EEA #_____) ☒ No			

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site:

See Attached Narrative.

Describe the proposed project and its programmatic and physical elements:

See Attached Narrative.

NOTE: The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative:

See Attached Narrative.

NOTE: The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations, alternative site uses, and alternative site configurations.

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative:

See Attached Narrative.

If the project is proposed to be constructed in phases, please describe each phase:

See Attached Narrative.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

Is the project within or adjacent to an Area of Critical Environmental Concern?

☐ Yes (Specify _____)

☒ No

if yes, does the ACEC have an approved Resource Management Plan? ____ Yes ____ No;

If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? ____ Yes ____ No;

If yes, describe and assess the potential impacts of such stormwater runoff/discharge to the designated ACEC.

RARE SPECIES:

Does the project site include Estimated and/or Priority Habitat of State-Listed Rare Species? (see http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/priority_habitat/priority_habitat_home.htm)

☐ Yes (Specify _____) ☒ No

HISTORICAL /ARCHAEOLOGICAL RESOURCES:

Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

☐ Yes (Specify _____) ☒ No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? ☐ Yes (Specify _____) ☐ No

WATER RESOURCES:

Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? ☒ Yes ___ No; if yes, identify the ORW and its location.

Ipswich River – Approx. 450 ft south of Project Site.

(NOTE: Outstanding Resource Waters include Class A public water supplies, their tributaries, and bordering wetlands; active and inactive reservoirs approved by MassDEP; certain waters within Areas of Critical Environmental Concern, and certified vernal pools. Outstanding resource waters are listed in the Surface Water Quality Standards, 314 CMR 4.00.)

Are there any impaired water bodies on or within a half-mile radius of the project site? ☒ Yes ___ No; if yes, identify the water body and pollutant(s) causing the impairment:

Ipswich River - Dissolved Oxygen, Mercury, Dewatering .

Is the project within a medium or high stress basin, as established by the Massachusetts Water Resources Commission? ☒ Yes ___ No

STORMWATER MANAGEMENT:

Generally, describe the project's stormwater impacts and measures that the project will take to comply with the standards found in MassDEP's Stormwater Management Regulations:

See Attached Narrative

MASSACHUSETTS CONTINGENCY PLAN:

Has the project site been, or is it currently being, regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes ☒ No ___
Release Tracking Number (RTN), cleanup phase, and Response
Action Outcome classification):

41 Central Street in 2010
RTN 3-0029283 RAO- A1

Is there an Activity and Use Limitation (AUL) on any portion of the project site? Yes ___ No ☒;
if yes, describe which portion of the site and how the project will be consistent with the AUL: _____.

Are you aware of any Reportable Conditions at the property that have not yet been assigned an RTN?
Yes ___ No ☒ ; if yes, please describe: _____

SOLID AND HAZARDOUS WASTE:

If the project will generate solid waste during demolition or construction, describe alternatives considered for re-use, recycling, and disposal of, e.g., asphalt, brick, concrete, gypsum, metal, wood:

See Attached Narrative

(NOTE: Asphalt pavement, brick, concrete and metal are banned from disposal at Massachusetts landfills and waste combustion facilities and wood is banned from disposal at Massachusetts landfills. See 310 CMR 19.017 for the complete list of banned materials.)

Will your project disturb asbestos containing materials? Yes ____ No ☒ ;
if yes, please consult state asbestos requirements at <http://mass.gov/MassDEP/air/asbhom01.htm>

Describe anti-idling and other measures to limit emissions from construction equipment: _____

DESIGNATED WILD AND SCENIC RIVER:

Is this project site located wholly or partially within a defined river corridor of a federally designated Wild and Scenic River or a state designated Scenic River? Yes ____ No ☒ ;
if yes, specify name of river and designation: _____

If yes, does the project have the potential to impact any of the “outstandingly remarkable” resources of a federally Wild and Scenic River or the stated purpose of a state designated Scenic River? Yes ____ No ____ ; if yes, specify name of river and designation: _____;

if yes, will the project will result in any impacts to any of the designated “outstandingly remarkable” resources of the Wild and Scenic River or the stated purposes of a Scenic River.
Yes ____ No ____ ;
if yes, describe the potential impacts to one or more of the “outstandingly remarkable” resources or stated purposes and mitigation measures proposed.

ATTACHMENTS:

1. List of all attachments to this document.
2. U.S.G.S. map (good quality color copy, 8-½ x 11 inches or larger, at a scale of 1:24,000) indicating the project location and boundaries.
- 3.. Plan, at an appropriate scale, of existing conditions on the project site and its immediate environs, showing all known structures, roadways and parking lots, railroad rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
- 4 Plan, at an appropriate scale, depicting environmental constraints on or adjacent to the project site such as Priority and/or Estimated Habitat of state-listed rare species, Areas of Critical Environmental Concern, Chapter 91 jurisdictional areas, Article 97 lands, wetland resource area delineations, water supply protection areas, and historic resources and/or districts.
5. Plan, at an appropriate scale, of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
6. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).
7. List of municipal and federal permits and reviews required by the project, as applicable.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

- A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
___ Yes ☒ No; if yes, specify each threshold:

II. Impacts and Permits

- A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	_____	_____	_____
Internal roadways	_____	_____	_____
Parking and other paved areas	_____	_____	_____
Other altered areas	_____	_____	_____
Undeveloped areas	_____	_____	_____
Total: Project Site Acreage	_____	_____	_____

- B. Has any part of the project site been in active agricultural use in the last five years?
___ Yes ☒ No; if yes, how many acres of land in agricultural use (with prime state or locally important agricultural soils) will be converted to nonagricultural use?
- C. Is any part of the project site currently or proposed to be in active forestry use?
___ Yes ☒ No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a forest management plan approved by the Department of Conservation and Recreation:
- D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? ___ Yes ☒ No; if yes, describe:
- E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? ___ Yes ☒ No; if yes, does the project involve the release or modification of such restriction?
___ Yes ___ No; if yes, describe:
- F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? ___ Yes ☒ No; if yes, describe:
- G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes ___ No ☒ if yes, describe:

III. Consistency

- A. Identify the current municipal comprehensive land use plan
Title: North Reading Master Plan 2020-2030 Date: January 2020
- B. Describe the project's consistency with that plan with regard to: See Attached Narrative
- 1) economic development _____
 - 2) adequacy of infrastructure _____
 - 3) open space impacts _____
 - 4) compatibility with adjacent land uses _____
- C. Identify the current Regional Policy Plan of the applicable Regional Planning Agency (RPA)
RPA: Metropolitan Area Planning Council

Title: MetroFuture – Making a Greater Boston Region Date: May 2008

- D. Describe the project's consistency with that plan with regard to: See Attached Narrative
- 1) economic development _____
 - 2) adequacy of infrastructure _____
 - 3) open space impacts _____

RARE SPECIES SECTION

I. Thresholds / Permits

- A. Will the project meet or exceed any review thresholds related to **rare species or habitat** (see 301 CMR 11.03(2))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

(NOTE: If you are uncertain, it is recommended that you consult with the Natural Heritage and Endangered Species Program (NHESP) prior to submitting the ENF.)

- B. Does the project require any state permits related to **rare species or habitat**? ___ Yes ☒ No
- C. Does the project site fall within mapped rare species habitat (Priority or Estimated Habitat?) in the current Massachusetts Natural Heritage Atlas (attach relevant page)? ___ Yes ☒ No.
- D. If you answered "No" to all questions A, B and C, proceed to the **Wetlands, Waterways, and Tidelands Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Rare Species section below.

II. Impacts and Permits

- A. Does the project site fall within Priority or Estimated Habitat in the current Massachusetts Natural Heritage Atlas (attach relevant page)? ___ Yes ___ No. If yes,
1. Have you consulted with the Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program (NHESP)? ___ Yes ___ No; if yes, have you received a determination as to whether the project will result in the "take" of a rare species? ___ Yes ___ No; if yes, attach the letter of determination to this submission.
 2. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? ___ Yes ___ No; if yes, provide a summary of proposed measures to minimize and mitigate rare species impacts
 3. Which rare species are known to occur within the Priority or Estimated Habitat?
 4. Has the site been surveyed for rare species in accordance with the Massachusetts Endangered Species Act? ___ Yes ___ No
 4. If your project is within Estimated Habitat, have you filed a Notice of Intent or received an Order of Conditions for this project? ___ Yes ___ No; if yes, did you send a copy of the Notice of Intent to the Natural Heritage and Endangered Species Program, in accordance with the Wetlands Protection Act regulations? ___ Yes ___ No
- B. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? ___ Yes ___ No; if yes, provide a summary of proposed measures to minimize and mitigate impacts to significant habitat:

WETLANDS, WATERWAYS, AND TIDELANDS SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wetlands, waterways, and tidelands** (see 301 CMR 11.03(3))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits (or a local Order of Conditions) related to **wetlands, waterways, or tidelands**? ☒ Yes ___ No; if yes, specify which permit:

Order of Conditions – North Reading Conservation Commission

C. If you answered "No" to both questions A and B, proceed to the **Water Supply Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wetlands, Waterways, and Tidelands Section below.

II. Wetlands Impacts and Permits

A. Does the project require a new or amended Order of Conditions under the Wetlands Protection Act (M.G.L. c.131A)? ☒ Yes ___ No; if yes, has a Notice of Intent been filed? ___ Yes ☒ No; if yes, list the date and MassDEP file number: _____; if yes, has a local Order of Conditions been issued? ___ Yes ___ No; Was the Order of Conditions appealed? ___ Yes ___ No. Will the project require a Variance from the Wetlands regulations? ___ Yes ☒ No.

B. Describe any proposed permanent or temporary impacts to wetland resource areas located on the project site: **See Attached Narrative**

C. Estimate the extent and type of impact that the project will have on wetland resources, and indicate whether the impacts are temporary or permanent: **See Attached Narrative**

<u>Coastal Wetlands</u>	<u>Area (square feet) or Length (linear feet)</u>	<u>Temporary or Permanent Impact?</u>
Land Under the Ocean	_____	_____
Designated Port Areas	_____	_____
Coastal Beaches	_____	_____
Coastal Dunes	_____	_____
Barrier Beaches	_____	_____
Coastal Banks	_____	_____
Rocky Intertidal Shores	_____	_____
Salt Marshes	_____	_____
Land Under Salt Ponds	_____	_____
Land Containing Shellfish	_____	_____
Fish Runs	_____	_____
Land Subject to Coastal Storm Flowage	_____	_____
<u>Inland Wetlands</u>		
Bank (lf)	0	_____
Bordering Vegetated Wetlands	0	_____
Isolated Vegetated Wetlands	0	_____
Land under Water	0	_____
Isolated Land Subject to Flooding	0	_____
Borderi ng Land Subject to Flooding	0	_____
Riverfront Area	0	_____

D. Is any part of the project:
1. proposed as a **limited project**? ☒ Yes ___ No; if yes, what is the area (in sf)? _____

2. the construction or alteration of a **dam**? ___ Yes ☒ No; if yes, describe:
3. fill or structure in a **velocity zone** or **regulatory floodway**? ___ Yes ☒ No
4. dredging or disposal of dredged material? ___ Yes ☒ No; if yes, describe the volume of dredged material and the proposed disposal site:
5. a discharge to an **Outstanding Resource Water (ORW)** or an **Area of Critical Environmental Concern (ACEC)**? ☒ Yes ___ No
6. subject to a wetlands restriction order? ___ Yes ☒ No; if yes, identify the area (in sf):
7. located in buffer zones? ☒ Yes ___ No; if yes, how much (in sf) 10,100 sf

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? ☒ Yes ___ No
2. alter any federally-protected wetlands not regulated under state law? ___ Yes ☒ No; if yes, what is the area (sf)?

III. Waterways and Tidelands Impacts and Permits

A. Does the project site contain waterways or tidelands (including filled former tidelands) that are subject to the Waterways Act, M.G.L.c.91? ___ Yes ☒ No; if yes, is there a current Chapter 91 License or Permit affecting the project site? ___ Yes ☒ No; if yes, list the date and license or permit number and provide a copy of the historic map used to determine extent of filled tidelands:

C. Does the project require a new or modified license or permit under M.G.L.c.91? ___ Yes ☒ No; if yes, how many acres of the project site subject to M.G.L.c.91 will be for non-water-dependent use? Current ___ Change ___ Total ___
If yes, how many square feet of solid fill or pile-supported structures (in sf)?

C. For non-water-dependent use projects, indicate the following:

Area of filled tidelands on the site: ⁰ _____

Area of filled tidelands covered by buildings: ⁰ _____

For portions of site on filled tidelands, list ground floor uses and area of each use:

Does the project ☒ include new non-water-dependent uses located over flowed tidelands?
Yes ___ No ☒

Height of building on filled tidelands _____

Also show the following on a site plan: Mean High Water, Mean Low Water, Water-dependent Use Zone, location of uses within buildings on tidelands, and interior and exterior areas and facilities dedicated for public use, and historic high and historic low water marks.

D. Is the project located on landlocked tidelands? ___ Yes ☒ No; if yes, describe the project's impact on the public's right to access, use and enjoy jurisdictional tidelands and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

E. Is the project located in an area where low groundwater levels have been identified by a municipality or by a state or federal agency as a threat to building foundations? ___ Yes ☒ No; if yes, describe the project's impact on groundwater levels and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

F. Is the project non-water-dependent **and** located on landlocked tidelands **or** waterways or tidelands subject to the Waterways Act **and** subject to a mandatory EIR? ___ Yes ☒ No;

(NOTE: If yes, then the project will be subject to Public Benefit Review and Determination.)

G. Does the project include dredging? ___ Yes ☒ No; if yes, answer the following questions:
 What type of dredging? Improvement ___ Maintenance ___ Both ___
 What is the proposed dredge volume, in cubic yards (cys) ___
 What is the proposed dredge footprint ___ length (ft) ___ width (ft) ___ depth (ft);
 Will dredging impact the following resource areas?
 Intertidal Yes ___ No ___; if yes, ___ sq ft
 Outstanding Resource Waters Yes ___ No ___; if yes, ___ sq ft
 Other resource area (i.e. shellfish beds, eel grass beds) Yes ___ No ___; if yes ___ sq ft
 If yes to any of the above, have you evaluated appropriate and practicable steps to: 1) avoidance; 2) if avoidance is not possible, minimization; 3) if either avoidance or minimize is not possible, mitigation?
 If no to any of the above, what information or documentation was used to support this determination?
 Provide a comprehensive analysis of practicable alternatives for improvement dredging in accordance with 314 CMR 9.07(1)(b). Physical and chemical data of the sediment shall be included in the comprehensive analysis.
 Sediment Characterization
 Existing gradation analysis results? ___ Yes ___ No: if yes, provide results.
 Existing chemical results for parameters listed in 314 CMR 9.07(2)(b)6? ___ Yes ___ No; if yes, provide results.
 Do you have sufficient information to evaluate feasibility of the following management options for dredged sediment? If yes, check the appropriate option.
 Beach Nourishment ___
 Unconfined Ocean Disposal ___
 Confined Disposal:
 Confined Aquatic Disposal (CAD) ___
 Confined Disposal Facility (CDF) ___
 Landfill Reuse in accordance with COMM-97-001 ___
 Shoreline Placement ___
 Upland Material Reuse ___
 In-State landfill disposal ___
 Out-of-state landfill disposal ___
 (NOTE: This information is required for a 401 Water Quality Certification.)

IV. Consistency:

A. Does the project have effects on the coastal resources or uses, and/or is the project located within the Coastal Zone? ___ Yes ☒ No; if yes, describe these effects and the projects consistency with the policies of the Office of Coastal Zone Management:

B. Is the project located within an area subject to a Municipal Harbor Plan? ___ Yes ☒ No; if yes, identify the Municipal Harbor Plan and describe the project's consistency with that plan:

WATER SUPPLY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **water supply** (see 301 CMR 11.03(4))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**? ___ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Wastewater Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Water Supply Section below.

II. Impacts and Permits

A. Describe, in gallons per day (gpd), the volume and source of water use for existing and proposed activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Municipal or regional water supply	_____	_____	_____
Withdrawal from groundwater	_____	_____	_____
Withdrawal from surface water	_____	_____	_____
Interbasin transfer	_____	_____	_____

(NOTE: Interbasin Transfer approval will be required if the basin and community where the proposed water supply source is located is different from the basin and community where the wastewater from the source will be discharged.)

B. If the source is a municipal or regional supply, has the municipality or region indicated that there is adequate capacity in the system to accommodate the project? ___ Yes ___ No

C. If the project involves a new or expanded withdrawal from a groundwater or surface water source, has a pumping test been conducted? ___ Yes ___ No; if yes, attach a map of the drilling sites and a summary of the alternatives considered and the results. _____

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons per day)? _____ Will the project require an increase in that withdrawal? ___ Yes ___ No; if yes, then how much of an increase (gpd)? _____

E. Does the project site currently contain a water supply well, a drinking water treatment facility, water main, or other water supply facility, or will the project involve construction of a new facility? ___ Yes ___ No. If yes, describe existing and proposed water supply facilities at the project site:

	<u>Permitted Flow</u>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</u>
Capacity of water supply well(s) (gpd)	_____	_____	_____	_____
Capacity of water treatment plant (gpd)	_____	_____	_____	_____

F. If the project involves a new interbasin transfer of water, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

G. Does the project involve:

1. new water service by the Massachusetts Water Resources Authority or other agency of the Commonwealth to a municipality or water district? ___ Yes ___ No
2. a Watershed Protection Act variance? ___ Yes ___ No; if yes, how many acres of alteration?
3. a non-bridged stream crossing 1,000 or less feet upstream of a public surface drinking

water supply for purpose of forest harvesting activities? ____ Yes ____ No

III. Consistency

Describe the project's consistency with water conservation plans or other plans to enhance water resources, quality, facilities and services:

WASTEWATER SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wastewater** (see 301 CMR 11.03(5))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **wastewater**? ___ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Transportation -- Traffic Generation Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wastewater Section below.

II. Impacts and Permits

A. Describe the volume (in gallons per day) and type of disposal of wastewater generation for existing and proposed activities at the project site (calculate according to 310 CMR 15.00 for septic systems or 314 CMR 7.00 for sewer systems):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge of sanitary wastewater	_____	_____	_____
Discharge of industrial wastewater	_____	_____	_____
TOTAL	_____	_____	_____
	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge to groundwater	_____	_____	_____
Discharge to outstanding resource water	_____	_____	_____
Discharge to surface water	_____	_____	_____
Discharge to municipal or regional wastewater facility	_____	_____	_____
TOTAL	_____	_____	_____

B. Is the existing collection system at or near its capacity? ___ Yes ___ No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

C. Is the existing wastewater disposal facility at or near its permitted capacity? ___ Yes ___ No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

D. Does the project site currently contain a wastewater treatment facility, sewer main, or other wastewater disposal facility, or will the project involve construction of a new facility? ___ Yes ___ No; if yes, describe as follows:

	<u>Permitted</u>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</u>
Wastewater treatment plant capacity (in gallons per day)	_____	_____	_____	_____

E. If the project requires an interbasin transfer of wastewater, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or new?

(NOTE: Interbasin Transfer approval may be needed if the basin and community where wastewater will be discharged is different from the basin and community where the source of water supply is located.)

F. Does the project involve new sewer service by the Massachusetts Water Resources Authority (MWRA) or other Agency of the Commonwealth to a municipality or sewer district? ____ Yes ____ No

G. Is there an existing facility, or is a new facility proposed at the project site for the storage, treatment, processing, combustion or disposal of sewage sludge, sludge ash, grit, screenings, wastewater reuse (gray water) or other sewage residual materials? ____ Yes ____ No; if yes, what is the capacity (tons per day):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment	_____	_____	_____
Processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

H. Describe the water conservation measures to be undertaken by the project, and other wastewater mitigation, such as infiltration and inflow removal.

III. Consistency

A. Describe measures that the proponent will take to comply with applicable state, regional, and local plans and policies related to wastewater management:

B. If the project requires a sewer extension permit, is that extension included in a comprehensive wastewater management plan? ____ Yes ____ No; if yes, indicate the EEA number for the plan and whether the project site is within a sewer service area recommended or approved in that plan:

TRANSPORTATION SECTION (TRAFFIC GENERATION)

I. Thresholds / Permit

A. Will the project meet or exceed any review thresholds related to **traffic generation** (see 301 CMR 11.03(6))? ____ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**? ____ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Roadways and Other Transportation Facilities Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Traffic Generation Section below.

II. Traffic Impacts and Permits

A. Describe existing and proposed vehicular traffic generated by activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Number of parking spaces	_____	_____	_____
Number of vehicle trips per day	_____	_____	_____
ITE Land Use Code(s):	_____	_____	_____

B. What is the estimated average daily traffic on roadways serving the site?

	<u>Roadway</u>	<u>Existing</u>	<u>Change</u>	<u>Total</u>
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____

C. If applicable, describe proposed mitigation measures on state-controlled roadways that the project proponent will implement:

D. How will the project implement and/or promote the use of transit, pedestrian and bicycle facilities and services to provide access to and from the project site?

C. Is there a Transportation Management Association (TMA) that provides transportation demand management (TDM) services in the area of the project site? ____ Yes ____ No; if yes, describe if and how will the project participate in the TMA:

D. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation facilities? ____ Yes ____ No; if yes, generally describe:

E. If the project will penetrate approach airspace of a nearby airport, has the proponent filed a Massachusetts Aeronautics Commission Airspace Review Form (780 CMR 111.7) and a Notice of Proposed Construction or Alteration with the Federal Aviation Administration (FAA) (CFR Title 14 Part 77.13, forms 7460-1 and 7460-2)?

III. Consistency

Describe measures that the proponent will take to comply with municipal, regional, state, and federal plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services:

TRANSPORTATION SECTION (ROADWAYS AND OTHER TRANSPORTATION FACILITIES)

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **roadways or other transportation facilities** (see 301 CMR 11.03(6))? ☒ Yes ___ No; if yes, specify, in quantitative terms:

301 CMR 11.03(6)(b)2.b - See Attached Narrative

B. Does the project require any state permits related to **roadways or other transportation facilities**? ___ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Energy Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Roadways Section below.

II. Transportation Facility Impacts

A. Describe existing and proposed transportation facilities in the immediate vicinity of the project site:

See Attached Narrative

B. Will the project involve any

- | | |
|--|----|
| 1. Alteration of bank or terrain (in linear feet)? | No |
| 2. Cutting of living public shade trees (number)? | 25 |
| 3. Elimination of stone wall (in linear feet)? | No |

III. Consistency -- Describe the project's consistency with other federal, state, regional, and local plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services, including consistency with the applicable regional transportation plan and the Transportation Improvements Plan (TIP), the State Bicycle Plan, and the State Pedestrian Plan:

See Attached Narrative

ENERGY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **energy** (see 301 CMR 11.03(7))?
___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? ___ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Air Quality Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Energy Section below.

II. Impacts and Permits

A. Describe existing and proposed energy generation and transmission facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Capacity of electric generating facility (megawatts)	_____	_____	_____
Length of fuel line (in miles)	_____	_____	_____
Length of transmission lines (in miles)	_____	_____	_____
Capacity of transmission lines (in kilovolts)	_____	_____	_____

B. If the project involves construction or expansion of an electric generating facility, what are:

1. the facility's current and proposed fuel source(s)?
2. the facility's current and proposed cooling source(s)?

C. If the project involves construction of an electrical transmission line, will it be located on a new, unused, or abandoned right of way? ___ Yes ___ No; if yes, please describe:

D. Describe the project's other impacts on energy facilities and services:

III. Consistency

Describe the project's consistency with state, municipal, regional, and federal plans and policies for enhancing energy facilities and services:

AIR QUALITY SECTION

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **air quality** (see 301 CMR 11.03(8))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? ___ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Solid and Hazardous Waste Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Air Quality Section below.

II. Impacts and Permits

A. Does the project involve construction or modification of a major stationary source (see 310 CMR 7.00, Appendix A)? ___ Yes ___ No; if yes, describe existing and proposed emissions (in tons per day) of:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Particulate matter	_____	_____	_____
Carbon monoxide	_____	_____	_____
Sulfur dioxide	_____	_____	_____
Volatile organic compounds	_____	_____	_____
Oxides of nitrogen	_____	_____	_____
Lead	_____	_____	_____
Any hazardous air pollutant	_____	_____	_____
Carbon dioxide	_____	_____	_____

B. Describe the project's other impacts on air resources and air quality, including noise impacts:

III. Consistency

A. Describe the project's consistency with the State Implementation Plan:

B. Describe measures that the proponent will take to comply with other federal, state, regional, and local plans and policies related to air resources and air quality:

SOLID AND HAZARDOUS WASTE SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **solid or hazardous waste** (see 301 CMR 11.03(9))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? ___ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Historical and Archaeological Resources Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Solid and Hazardous Waste Section below.

II. Impacts and Permits

A. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of solid waste? ___ Yes ___ No; if yes, what is the volume (in tons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment, processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

B. Is there any current or proposed facility at the project site for the storage, recycling, treatment or disposal of hazardous waste? ___ Yes ___ No; if yes, what is the volume (in tons or gallons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Recycling	_____	_____	_____
Treatment	_____	_____	_____
Disposal	_____	_____	_____

C. If the project will generate solid waste (for example, during demolition or construction), describe alternatives considered for re-use, recycling, and disposal:

D. If the project involves demolition, do any buildings to be demolished contain asbestos?
___ Yes ___ No

E. Describe the project's other solid and hazardous waste impacts (including indirect impacts):

III. Consistency

Describe measures that the proponent will take to comply with the State Solid Waste Master Plan:

HISTORICAL AND ARCHAEOLOGICAL RESOURCES SECTION

I. Thresholds / Impacts

A. Have you consulted with the Massachusetts Historical Commission? ____ Yes ☒ No; if yes, attach correspondence. For project sites involving lands under water, have you consulted with the Massachusetts Board of Underwater Archaeological Resources? ____ Yes ☒ No; if yes, attach correspondence

B. Is any part of the project site a historic structure, or a structure within a historic district, in either case listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? ____ Yes ____ No; if yes, does the project involve the demolition of all or any exterior part of such historic structure? ____ Yes ____ No; if yes, please describe:

C. Is any part of the project site an archaeological site listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? ____ Yes ☒ No; if yes, does the project involve the destruction of all or any part of such archaeological site? ____ Yes ____ No; if yes, please describe:

D. If you answered "No" to all parts of both questions A, B and C, proceed to the **Attachments and Certifications** Sections. If you answered "Yes" to any part of either question A or question B, fill out the remainder of the Historical and Archaeological Resources Section below.

II. Impacts

Describe and assess the project's impacts, direct and indirect, on listed or inventoried historical and archaeological resources:

III. Consistency

Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to preserving historical and archaeological resources:

CERTIFICATIONS:

1. The Public Notice of Environmental Review has been/will be published in the following newspapers in accordance with 301 CMR 11.15(1):

Name: North Reading Transcript

Date: October 1, 2020

2. This form has been circulated to Agencies and Persons in accordance with 301 CMR 11.16(2).

Signatures:

DocuSigned by:

Danielle McKnight

AB0D56C67B16459

Brian Murray

Date Signature of Responsible Officer
or Proponent

Date Signature of person preparing
ENF (if different from above)

Danielle McKnight

Brian Murray

Name (print or type)

Name (print or type)

North Reading Community Planning Dept.

Millennium Engineering, Inc.

Firm/Agency

Firm/Agency

Town Hall, 235 North Street

62 Elm Street

Street

Street

North Reading

Salisbury

Municipality/State/Zip

Municipality/State/Zip

978-357-5206

978-463-8980

Phone

Phone

Environmental Notification Form

Central Street Sidewalk Improvements Project North Reading, MA.

September 2020

I. GENERAL PROJECT INFORMATION

I.1 Narrative

I.1.1 Existing Conditions

The Central Street project site is approximately 3,650 LF in length beginning at its intersection with Park Street and extending north to the Spruce Road intersection.

Central Street is a two-lane roadway traveling north-south and is located in the central portion of North Reading. The variable width Right-of-Way (ROW) is 40-60 feet wide with the roadway centered within the ROW, for the most part. The pavement is 20-22-feet wide with travel lanes 9-10 feet wide and shoulders ranging from 0-2 ft in width. No curbing or sidewalks are present along Central Street except at intersecting side streets. The roadway pavement section is in good condition with double yellow centerlines and white edge lines present. In some cases, the edge lines are located at the edge of the pavement section. The Central Street profile includes several vertical curves with slopes ranging from 1% to 9%.

Land use within the project site is residential except for one telephone communications building (Verizon) located near the Park Street intersection. Several subdivisions and two multi-unit dwelling developments access Central Street within the project site, in addition to the numerous single-family houses fronting Central Street.

Underground utilities serving the project site include water, gas and stormwater collection facilities. Overhead utilities provide electric and communication services with utility poles located along the west side of Central Street within the project site.

Wetland resource areas within and abutting the project site were flagged by West Environmental, Inc. in February 2020. A total of 6 BVW's were flagged and are shown on the attached plans. A portion of the project site falls within ½ mile of the Ipswich River (Outstanding Resource Water) at the project's southern terminus but is not within its 200-ft riverfront area. The Project falls within 4 of the 6 BVW buffer zones flagged.

I.1.2 Proposed Project

The Town of North Reading proposes to construct a 5-ft hot mix asphalt sidewalk with granite curbing along a portion of Central Street (3,650 LF +/-). The Project will begin at Central Street's intersection with Spruce Road and extend south to a point just north of its intersection with Park Street (Rte. 62). The intent of the project is to improve pedestrian access for residents of Central Street and surrounding neighborhoods. The sidewalk will be constructed to meet ADA requirements and will link a network of sidewalks within several subdivisions to the Park Street business district and nearby schools.

The Project will be constructed in two phases with Phase I including 1,850 LF +/- of Central Street (Park Street to Quimby Road) with construction beginning in the Spring of 2021 and ending in the Summer of 2021. Phase II will include the remaining portion of the Central Street Project (Quimby Road to Spruce Road), approximately 1,800 LF. The expected construction schedule for Phase II is work beginning in the Spring of 2022 and extending to the Summer of 2022.

The proposed sidewalk and curbing will be installed on the east side of Central Street. Numerous utility poles and several hydrants are located along the west side of Central Street resulting in the east side selected as the preferred alternative. As well, topography along the east side of Central Street will limit the amount of slope disturbance required for sidewalk construction when compared to the west side.

The proposed sidewalk will require modifications to the existing drainage system serving the Central Street project area. The new sidewalk layout requires slight horizontal adjustments to the old catch basins along the east side of Central Street. The majority of the existing catch basins will be replaced with new deep-sump, hooded catch basins in order to improve water quality of stormwater runoff collected along the east side. No new stormwater runoff outlets are proposed. The runoff will continue to follow the existing pipe networks (3) and related outlets. The Massachusetts Stormwater Management Standards will be applied to the maximum extent practicable for the entire Project per 310 CMR 10.53.

A total of 23 trees (17 of the 23 trees 14-inches in diameter or greater) will be removed to provide horizontal clearance for the proposed sidewalk. Only 4 of the 23 trees are located within the BVW buffer zones for the project. In addition, multiple mailboxes will need to be removed and reset to the back of the new sidewalk. Two residential fences will be removed and reset/replaced to the Right-of-Way line. Several landscape retaining walls, typically at or near driveway openings, will also be removed and reset.

In order to address the minor vertical grading changes created by the new sidewalk, portions of private driveways abutting the new sidewalk will be reconstructed to allow stormwater runoff to exit the driveways, as they did in the existing condition. Site grading will occur along the back of the new sidewalk and extend into the abutting properties to meet the new height of the sidewalk. In general, the site grading and driveway repair will occur within 5-10 feet of the new sidewalk. The proposed sidewalk will also require the adjustment of water service boxes serving the abutting residential properties to the new grades along the back of the new sidewalk.

Wetland resource areas within the Project were delineated by West Environmental, Inc. in February 2020. A total of 6 bordering vegetated wetlands (BVWs) were delineated and are shown on the plans. Work disturbance will occur in the 4 of the 6 100-ft buffer zones totaling 10,100 sf of buffer zone disturbance. A waiver from the local Wetland By-Law will be requested to install the sidewalk within a 12-foot No-Build buffer at Sta 24+45 to Sta 25+45 Lt. The estimated total disturbance within this no-build zone is 260 sf. No direct impacts to bordering vegetated wetlands are proposed for the Project.

A portion of the Project falls within ½ mile of the Ipswich River, an Outstanding Resource Water. The Project does not fall within the riverfront area.

The proposed sidewalk will increase the amount of impervious surface within the Central Street corridor. The estimated increase is 15,500 sf of impervious surface resulting in a minor increase to runoff entering the three separate drainage systems serving the Project. New deep-sump, hooded catch basins, along with increased maintenance activities, will improve runoff water quality when compared to existing conditions.

I.2 Alternatives Analysis

Three alternatives were reviewed for the Project.

Alternative 1. – Construct Sidewalk along east side of Central Street

This is the **preferred** alternative. Locating the sidewalk along the east side of Central Street will reduce the amount of excavation/fill and disturbance to provide a suitable surface for the proposed sidewalk when compared to the west side of Central Street. As well, the absence of utility poles and hydrants on the east side of Central Street will significantly reduce the amount of work and construction equipment emissions when compared to Alternative 2 by eliminating public and private utility company operations for removing and resetting or replacing utility poles and hydrants.

Alternative 2. – Construct sidewalk along the west side of Central Street

Locating the proposed sidewalk along the west side of Central Street will require more excavation and retaining wall construction to address steep side slopes, particularly near the Park Street terminus. Additional grading / reconstruction of private driveways within the steep side slopes will also be required. A total of 28 utility poles are located along the west side of the Central Street within the Project. Twenty-two of the poles will require relocation if the sidewalk is built on this side of Central Street, as they are within 5-ft of the pavement edge. Similarly, 7 hydrants are located along the west side of Central Street with all 7 requiring relocation.

Alternative 3. – No Build

The Town of North Reading has identified the Central Street sidewalk project (Park Street to Spruce Road) as a priority project in their Master Plan titled “ North Reading Master Plan 2020-2030”. The Master Plan also references the Town’s “Complete Street Prioritization Plan” identifying the Central Street sidewalk project as eligible for funding under the Massachusetts Department of Transportation Complete Streets Program. The Town will seek construction funding through this program in September 2020 for Phase I and again in 2021 for Phase II. This No-Build alternative does not support Town’s Master Plan and commitment to the residents of the project area to expand pedestrian accommodations.

I.3 Mitigating Measures for Preferred Alternative

Mitigating measures for the Towns preferred Alternative 1. includes the following:

- I.3.1 Erosion control barriers will be installed at the limits of work in all buffer zone areas to minimize silt or construction debris from entering the BVWs.
- I.3.2 Catch basin siltation bags will be incorporated into the project to minimize silt or construction debris from entering the BVWs.

- I.3.3 The construction specifications will require rubber-tired excavation equipment to keep the equipment within the paved roadway during excavation and material installation operations. This will limit disturbance to vegetated areas throughout the Project and more specifically, buffer zones.
- I.3.4 Deep sump catch basins with hoods will replace existing catch basins at locations shown on the plans and improve water quality of the stormwater runoff as it enters BVWs.
- I.3.5 Exposed and/or newly installed soils will be treated with hydroseed or erosion control material such as hay shortly after soil removal and/or installation to minimize siltation entering BVWs.
- 1.36 Shrubs suitable for installation at or near BVW's will be planted between the proposed sidewalk and BVW within the 12 ft No-Build buffer at Sta. 24+45 to 25+45 Lt.
- 1.37 The Project will include bid items for the installation of shrubs between the proposed sidewalk and BVW at Sta. 24+45 to 25+45 Lt (12-ft No Build area) and 1.5-inch caliper trees for replacement of trees removed within the various buffer zones. The Town will solicit abutting residential properties for approval to install new trees within their lots to mitigate loss of trees given the limited area within the Right-of Way. Proposed plant and tree species will be identified during the NOI permitting process.

I.4 Areas of Critical Environmental Concern

A review of the Massachusetts GIS Program by the Town indicates the Project does not fall within or abut Areas of Critical Environmental Concern. See Area of Critical Environmental Map included in the Appendix of this narrative.

I.5 Rare Species

A review of the Massachusetts GIS Program "Oliver" indicates the Project does not fall with areas identified on the "Priority Habitat Map". See NHESP Estimated habitats of Rae Wildlife Map included in the Appendix of this narrative.

I.6 Historical / Archeological Resources

A review of the State Register of Historic Places and the Inventory of Historic and Archeological Assets of the Commonwealth indicates no historic structures or districts are located within the Project.

I.7 Water Resources

No surface waters or perennial streams are located within 200 feet of the Project. The southern limit of work does fall within ½ mile of Ipswich River, and Outstanding Resource Water. The Project does not fall within a water supply protection district. See USGS Map and Aquifer Protection District Maps included in the Appendix of this narrative.

I.8 Stormwater Management

Proposed sidewalk construction will require the removal and replacement of existing catch basins along the east of Central Street. The existing basins, for the most part, do not align with the proposed granite curbing thereby requiring slight horizontal adjustments to their location. In order to improve water quality of runoff entering the BVWs, the Town proposes to install new catch basins, inclusive of 4-ft deep sumps and hoods. In addition, the Town proposes to perform annual inspection and maintenance on the subject catch basins to improve their ability to collect and dispose silt and debris. An Operation and Maintenance Plan will be included as part of the Notice of Intent filing.

The proposed sidewalk will increase the amount of impervious surface within the Project site. The estimated increase is 15,500 sf +/-.

Our review of 310 CMR 10.53 and the Massachusetts Stormwater Management Standards suggests this pedestrian project is required to meet the Standards to the maximum extent practicable. The limited area available, as typical for linear Right-of-Ways, does not provide sufficient area to construct attenuation and treatment structures typically associated with projects containing increased impervious surfaces.

I.9 Massachusetts Contingency Plan

A review of the Massachusetts Waste Cleanup Programs "Waste Site & Reportable Releases, Spill Look Up" files indicates a spill occurred at 41 Central Street in May 2010. The release involved approximately 50 gallons of fuel/fluid. It is not known if the spill occurred on Central Street or within the property at 41 Central Street. Response actions were taken and the Response Action Outcome (RAO), dated May 2013, is classified as A1 (no further work required).

No other known release/spills are documented for the project site.

I.10 Solid and Hazardous Waste

The Project will require the excavation of topsoil and underlying soils along the existing pavement edge. Approximately 0.5 -1.5 ft of the existing pavement will be sawcut and excavated to provide a clean edge line for the granite curb interface with the pavement. As well, driveways abutting the new sidewalk will require some excavation and pavement replacement to provide a smooth transition between the driveways and new sidewalk. Massachusetts Department of Environmental Protection (MDEP) regulations ban asphalt material disposal at solid waste facilities (landfills, incinerators). Asphalts materials excavated as part of the project will be delivered to asphalt recycling centers for processing and reuse. Topsoil and underlying soils excavated will be reused to the extent possible and will supplement new loam and structural soils required for sidewalk construction and landscape repair.

I.11 Designated Wild and Scenic Rivers

A review of the Massachusetts GIS Program "Oliver" indicates the project site does not contain or abuts designated wild and scenic rivers.

II. ADDITIONAL PROJECT INFORMATION

II.1 Land Section

II.1.1 Thresholds / Permits

A review of thresholds related to land indicates the Project does not meet or exceed thresholds related to Land.

II.1.2 Impacts and Permits

This sidewalk construction project will take place along the east side of Central Street, within the municipal ROW. Minor sideline grading impacts will enter abutting private property to provide a smooth transition between existing and constructed sidewalk grades. The increase in impervious surface related to the sidewalk construction is estimated at 15,500 sf. The total estimated BVW buffer zone disturbance for the project (sidewalk construction, driveway repair and landscape repair) is 10,100 sf.

The project will require the issuance of an Order of Conditions from the North Reading Conservation Commission given proposed work within the 100-ft buffers for 4 BVW's abutting the project site.

II.1.3 Consistency

The proposed Central Street Sidewalk Project is consistent with the Town of North Reading Master Plan. The Town has published "North Reading Master Plan 2020-2030" where pedestrian related goals are identified. The Master Plan includes the Central Street Sidewalk Project as a recommendation for pedestrian improvements.

Community input during the master plan process identified overwhelming consensus and support for municipal sidewalk improvements in residential neighborhoods. As well, pedestrian connections to Park Street were also identified. The Central Street corridor provides a good fit for sidewalk improvements given the adequacy of infrastructure (sufficient ROW width, existing stormwater collection infrastructure) and compatibility with adjacent land uses (residential). By connecting the existing sidewalk networks within several subdivisions abutting Central Street to the Park Street corridor, residents of Central Street and the bordering subdivisions will have safe pedestrian access to schools, businesses and open space along the Ipswich River.

The Central Street Sidewalk Project is also consistent with the Metropolitan Area Planning Council's (MAPC) MetroFuture Plan. The Plan encourages the implementation of pedestrian accommodations and creating networks for safe non-vehicular travel at the local level. This project, although at a local level, will create a network of sidewalks with the bordering subdivisions to promote pedestrian travel to and from the Park Street corridor.

II.2 Wetlands, Waterways, and Tidelands Section

II.2.1 Thresholds / Permits

The Project will not meet or exceed review thresholds related to wetlands, waterways and tidelands. The project will impact BVW buffer zones only, with no direct impacts to BVW's.

The Project will require an Order of Conditions issued by the North Reading Conservation Commission. A Notice of Intent will be submitted following MEPA review.

II.2.2 Wetland Impacts and Permits

As mentioned, no direct impacts to BVW's are proposed for the Project. Sidewalk installation, driveway repair and landscape restoration will occur within BVW buffer zones, with most of the impact occurring in the 50-100 ft portion of the buffer zones. A review of the project plans indicates a total of 10,100 sf of buffer zone disturbance will occur within four BVW buffer zones abutting the project site.

The Town of North Reading has adopted a local wetland by-law, in addition to State wetland regulations. The bylaw includes a 12-ft no-disturb buffer for resource areas. The project will require sidewalk installation and related grading within the 12-ft no-build zone (260 sf). A waiver from the 12-ft no-build buffer will be requested as part of the Projects Notice of Intent filing.

II.3 Transportation Section (Roadways and Other Transportation Facilities)

II.3.1 Thresholds

The Project will require the removal of 19 public shade trees 14 inches in diameter or greater along the east side of Central Street. The following MEPA threshold requires the filing of an ENF:

310 CMR11.03(6)(b)2.b – “cut five or more living public shade trees 14 or more inches in diameter at breast height: or.....”

No other MEPA thresholds are exceeded for the Project. The Project will require the removal and resetting of existing stone walls (approximately 160 lf) serving abutting residential properties. These stone walls are primarily landscape walls or small retaining walls not associated with property line identification. For the most part, stone walls requiring removal and resetting are currently located within the Town ROW thereby impacting the layout of the proposed sidewalk.

No State permits are required for the Project. The Town is seeking construction funding from the MassDOT Complete Streets Program and will be filing their request in September 2020.

II.3.2 Transportation Facility Impacts

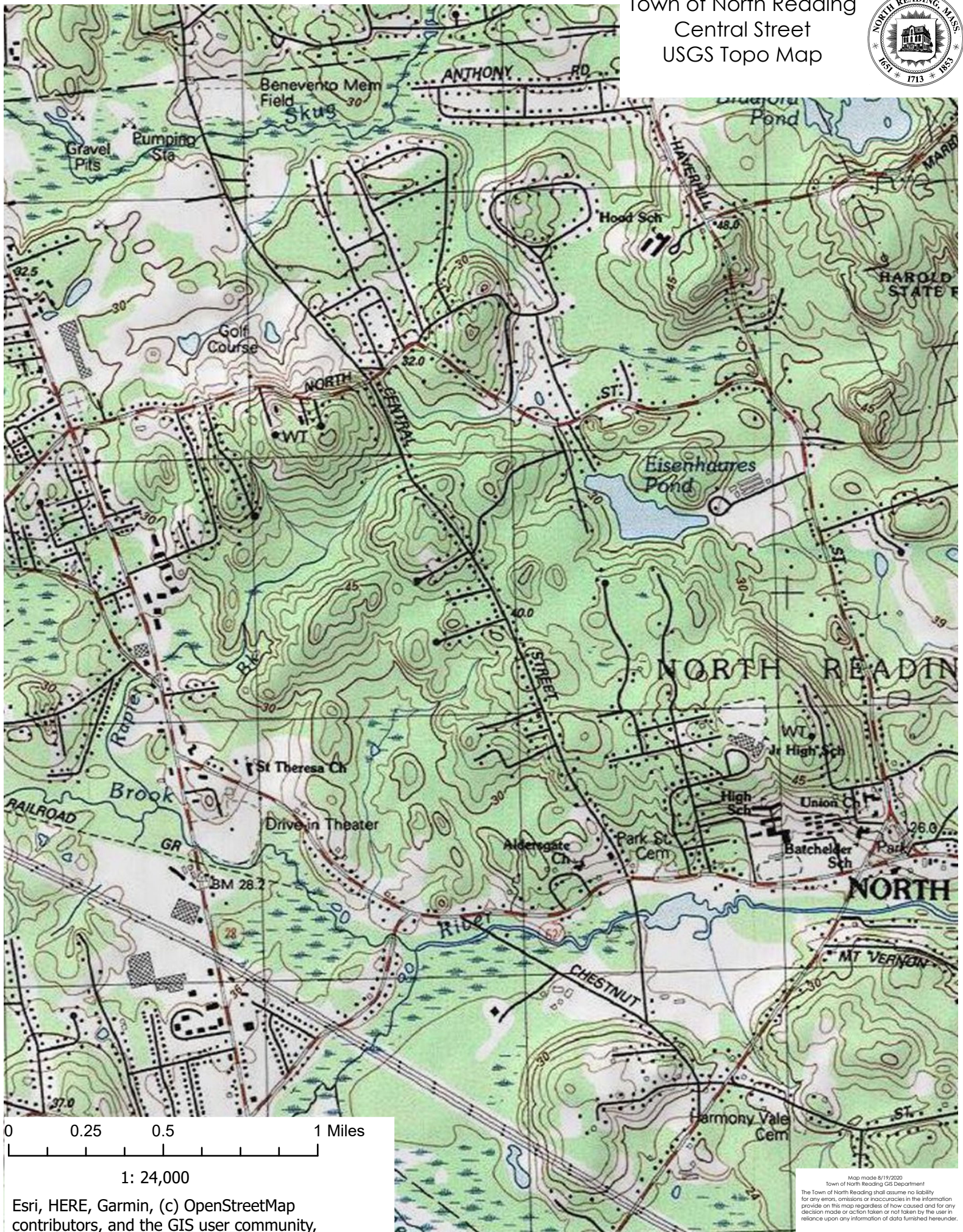
Existing transportation facilities in the immediate vicinity of the Project site are limited to roadways and sidewalks on abutting streets. Construction impacts to Central Street are not anticipated, other than upgrading catch basins and pavement marking installation and/or replacement. Contact bid documents will include phrasing that all construction vehicles will be rubber-tired equipment in order to minimize damage to the existing pavement and limit equipment entering non-paved areas. No track machines will be allowed.

II.3.3 Consistency

The Project is consistent with state, regional and local plans and policies related to traffic, pedestrian and bicycle transportation facilities. Creation of pedestrian facilities is a major goal of State, regional and local plans, as detailed in the Town's Master Plan, MAPC MetroFuture Plan and the State Pedestrian Plan. Currently, the absence of pedestrian facilities along this portion of Central Street limit residents from passive recreation opportunities associated with pedestrian/sidewalk accommodations.

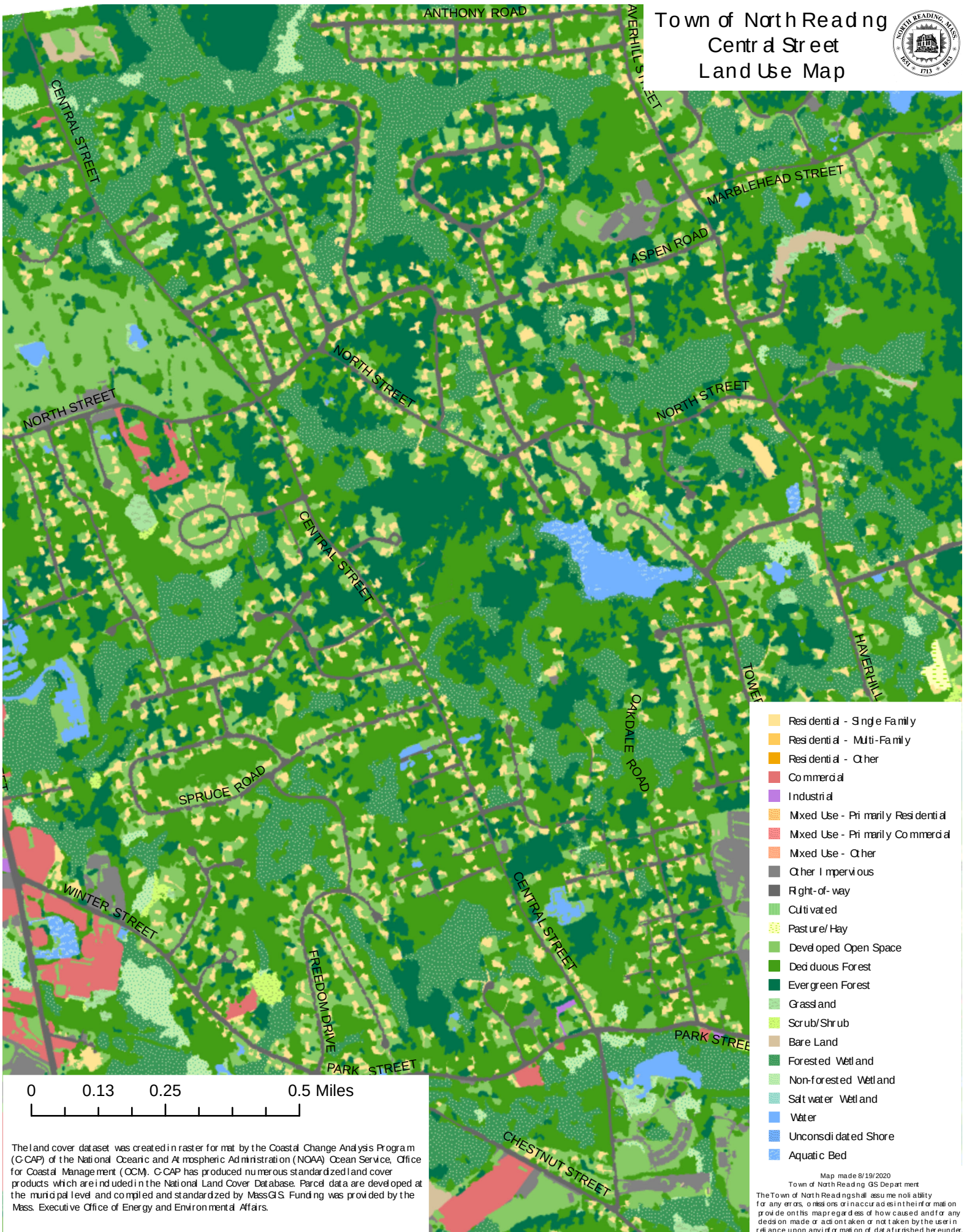
APPENDIX

Town of North Reading
Central Street
USGS Topo Map

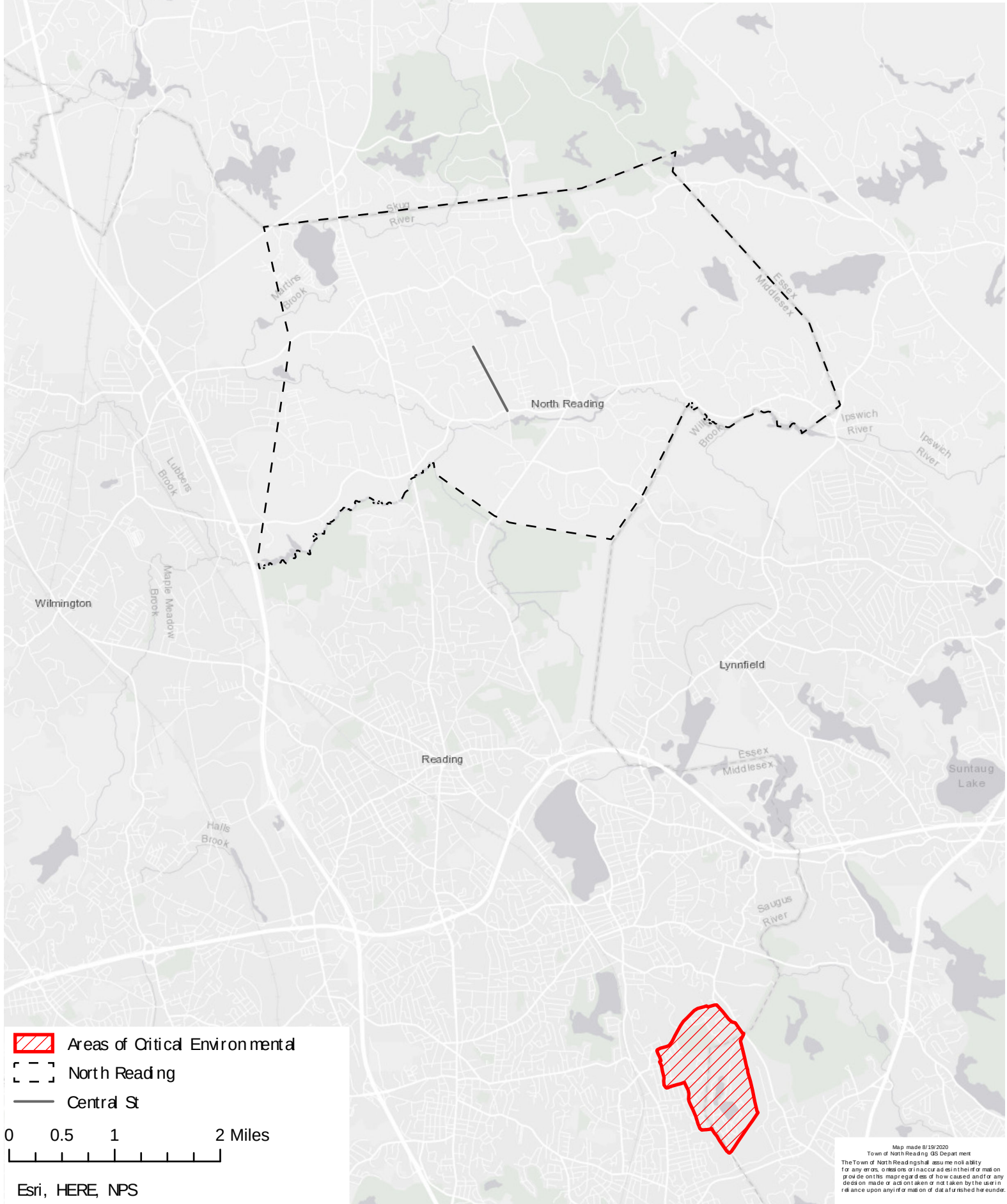


Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community,

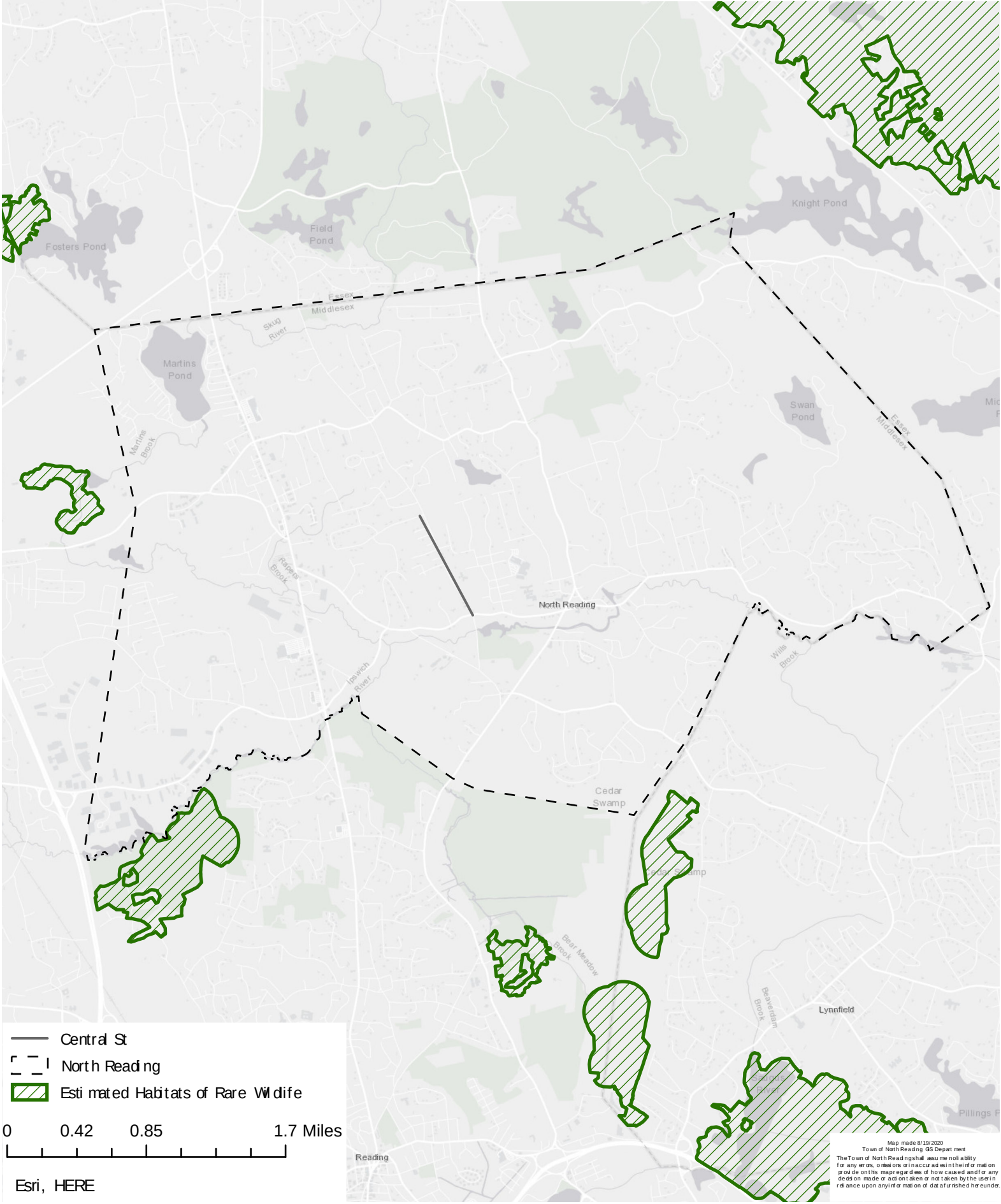
Town of North Reading Central Street Land Use Map



Town of North Reading Central Street Areas of Critical Environmental Concern

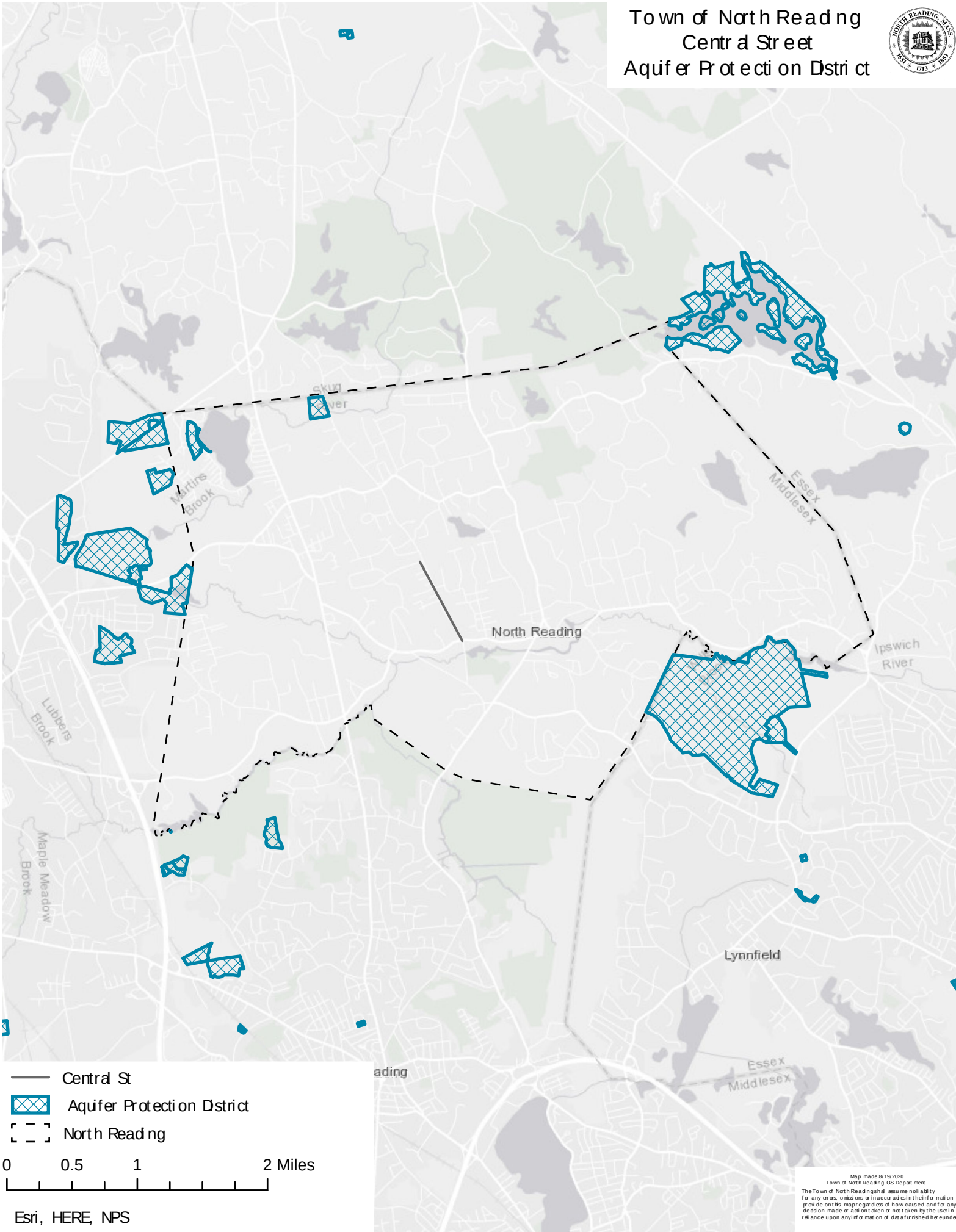


Town of North Reading Central Street NHESP Estimated Habitats of Rare Wildlife



Map made 8/19/2020
Town of North Reading GIS Department
The Town of North Reading shall assume no liability for any errors, omissions or inaccuracies in the information provided on this map regardless of how caused and/or any decision made or action taken or not taken by the user in reliance upon any information of data furnished hereunder.

Town of North Reading
Central Street
Aquifer Protection District



LIST OF AGENCIES
ENVIRONMENTAL NOTIFICATION FORM
DISTRIBUTION LIST

For

Central Street Sidewalk Improvements Project
North Reading, MA.

1.	Department of Environmental Protection Commissioner's Office One Winter Street Boston, MA. 02108	helena.boccadoro@mass.gov
2.	Department of Environmental Protection Northeast Regional Office Attn: MEPA Coordinator 205B Lowell Street Wilmington, MA. 01887	john.d.viola@mass.gov
3.	Massachusetts Department of Transportation Public / Private Development Unit 10 Park Plaza Boston, MA. 02116	lionel.lucien@dot.state.ma.us
4.	Massachusetts Department of Transportation District # 4 Attn: MEPA Coordinator 519 Appleton Street Arlington, MA. 02476	connie.raaphael@dot.state.ma.us
5.	Metropolitan Area Planning Council Attn: Alex Koppelman, Coordinator 60 Temple Place Boston, MA. 02111	akoppelman@mapc.org
6.	Massachusetts Historical Commission The MA Archives Building 220 Morrissey Boulevard Boston, MA. 02125	mhc@sec.state.ma.us
7.	North Reading Selectboard Attn: Michael Gilleberto, Town Administrator Town Hall, 235 North Street North Reading, MA. 01864	mgilleberto@northreadingma.gov

Distribution List (continued)

8.	North Reading Conservation Commission Attn: Leah Basbanes, Agent Town Hall, 235 North Street North Reading, MA. 01864	lbasbanes@northreadingma.gov
9.	North Reading Community Planning Department Attn: Danielle McKnight, Planner Town Hall, 235 North Street North Reading, MA. 01864	dmcknight@northreadingma.gov
10.	North Reading Board of Health Attn: Robert Bracey, Agent Town Hall, 235 North Street North Reading, MA. 01864	bbracey@northreadingma.gov

PUBLIC NOTICE OF ENVIRONMENTAL REVIEW

PROJECT: Central Street Sidewalk Improvements Project

LOCATION: Central Street (Park Street to Spruce Road)
North Reading, MA.

PROPONENT: North Reading Community Planning Department
Town Hall, 235 North Street
North Reading, MA. 01864

The undersigned is submitting an Environmental Notification Form (“ENF”) to the Secretary of Energy & Environmental Affairs on or before September 30, 2020.

This will initiate review of the above project pursuant to the Massachusetts Environmental Policy Act (“MEPA”, M.G.L. c. 30, s.s. 61-62I). Copies of the ENF may be obtained from:

Brian Murray
Millennium Engineering, Inc.
Salisbury, MA. 01952
978-463-8980

Copies of the ENF are also being sent to the Conservation Commission and Planning Board of North Reading where they may be inspected.

The Secretary of Energy & Environmental Affairs will publish notice of the ENF in the Environmental Monitor, will receive public comments on the project for 20 days, and will then decide, within 10 days, if an Environmental Impact Report is needed. A site visit and consultation session on the project may also be scheduled. All persons wishing to comment on the project, or to be notified of a site visit or consultation session, should write to the Secretary of Energy & Environmental affairs, 100 Cambridge Street, Suite 900, Boston, Massachusetts 02114, Attention: MEPA Office, referencing the above project:

By: North Reading Community Planning Department.