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.

(**ENF revision #1 5-30-18**)

Project Name: Squannacook River Rail Trail		
Street Address: Approximately parallels Route 119 in Townsend and Groton Massachusetts		
Municipality: Townsend, Groton	Watershed: Squannacook	
Universal Transverse Mercator Coordinate West end 278259.27, 4726063.86 East end 282676.87, 4723811.78	Latitude:42.6651 to 42.6361 Longitude: 71.7053 to 71.6506	
Estimated commencement date: Nov 2018	Estimated completion date: March 2020	
Project Type: Stone Dust Rail Trail	Status of project design: 90 %complete	
Proponent: Squannacook Greenways Inc		
Street Address: 88 South Harbor Road		
Municipality: Townsend	State: MA.	Zip Code: 01469
Name of Contact Person: Steven Meehan		
Firm/Agency: Squannacook Greenways	Street Address: 88 South Harbor Road	
Municipality: Townsend	State: MA.	Zip Code: 01469
Phone:978-597-2188	Fax:None	E-mail: Rideout@Net1Plus.com

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)?
11b ACEC

Which State Agency Permits will the project require?
DOT Permit to Access State Highway

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: DCR Recreational Trails Grant $6,100

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	9.63		
New acres of land altered		9.63	
Acres of impervious area	0	0	
Square feet of new bordering vegetated wetlands alteration		0	
Square feet of new other wetland alteration		58,720 sf of Riverfront Area. No other resource areas altered	
Acres of new non-water dependent use of tidelands or waterways		0	
STRUCTURES			
Gross square footage	0	0	0
Number of housing units	0	0	0
Maximum height (feet)	0	0	0
TRANSPORTATION			
Vehicle trips per day	12,500	150	12650
Parking spaces	12	11	23
WASTEWATER			
Water Use (Gallons per day)	0	0	0
Water withdrawal (GPD)	0	0	0
Wastewater generation/treatment (GPD)	0	0	0
Length of water mains (miles)	0	0	0
Length of sewer mains (miles)	0	0	0

Has this project been filed with MEPA before?
x No

Has any project on this site been filed with MEPA before?
x 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 Section 1

Describe the proposed project and its programmatic and physical elements: See attached Section 1

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 Section 1_____

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 Section 1 & Section 3

If the project is proposed to be constructed in phases, please describe each phase:
_____ See attached Section 1_____

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

Is the project within or adjacent to an Area of Critical Environmental Concern?
xYes (Specify_____ Squannissit_____)
☐No
if yes, does the ACEC have an approved Resource Management Plan? ___ Yes _X__ No;
If yes, describe how the project complies with this plan.
_____
Will there be stormwater runoff or discharge to the designated ACEC? ___ Yes __X_ No; (attached Section 12)
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)
xYes (Specify____see attached Section 7_____) ☐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?
xYes (Specify_____See attached section 11_____) ☐No
If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources x No

WATER RESOURCES:
Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? _x__Yes ___No;
if yes, identify the ORW and its location. __Squannacook River, Townsend & Groton_____

(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 __x_No; if yes,
identify the water body and pollutant(s) causing the impairment:_____.

Is the project within a medium or high stress basin, as established by the Massachusetts
Water Resources Commission? ___Yes _x__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 Section 12

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?
site (including Release Tracking Number (RTN), cleanup phase, and Response
Action Outcome classification):_____NO _____

Is there an Activity and Use Limitation (AUL) on any portion of the project site? Yes ___ No _x__;
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 x___ ; 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 Sect 1.

(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 _x__ ;
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: _See attached Sect. 1.

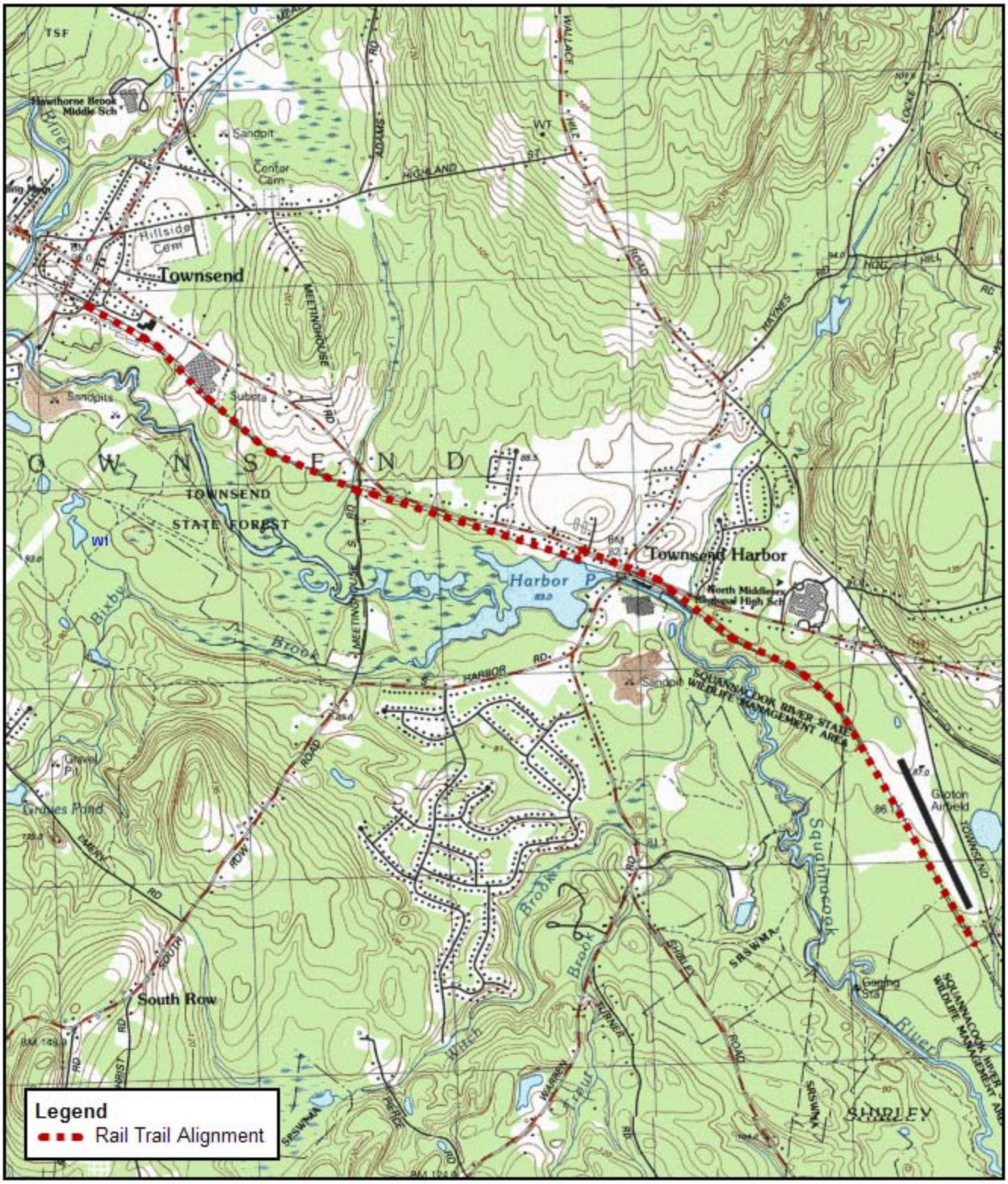
DESIGNATED WILD AND SCENIC RIVER:

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 x___ ;
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.



Townsend & Shirley USGS Quads
Scale: 1 inch equals 2000 feet

PROPOSED TRAIL ROUTE
Squannacook River Rail Trail
Townsend & Groton, Massachusetts

List of Attachments

Locus Map

Two sets of eight figures each depicting proposed project

Figure showing proposed trail construction

Recorded access easement, Townsend Historical Society

Email correspondence re access, Townsend Harbor plaza

Distribution List

Permits List

.

List of Federal and Municipal Permits

Federal – None

Municipal – Conservation Commission filings in Groton & Townsend; anticipate filing Requests for Determination of Applicability.

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Page: 1 of 2 11/17/2017 02:35 PM

Plan No. 1058 of 2017

Return:

John B. Barrett, Esq.
Attorney At Law
241 Main St., Suite 203
P.O. Box 182
Townsend, MA 01469-0182

GRANT OF EASEMENT

TOWNSEND HISTORICAL SOCIETY, INC., a Massachusetts corporation duly organized and existing under M.G.L. Chapter 180, with a principal office for the transaction of business located at 72 Main Street, Townsend, Massachusetts, **grants to SQUANNACOOK GREENWAYS, INC.**, a Massachusetts corporation duly organized and existing under M.G.L. Chapter 180, with a principal office for the transaction of business located 88 South Harbor Rd. Townsend MA 01469 , its successors and assigns, **an Easement**, in and upon the land in Townsend, County of Middlesex, Massachusetts, hereinafter described as follows:

Locus: 80 Main Street, Townsend

A certain parcel of land in the Town of Townsend, County of Middlesex, Commonwealth of Massachusetts, shown on a plan of land entitled "Plan of Easement in Townsend, Mass. Prepared for Squannacook Greenway, Inc.", Scale 1"=20', dated June, 2017, by David E. Ross Associates, Inc., to be recorded herewith, and being more particularly described as follows:

Beginning at a magnesium nail set on the side of Main Street (Route 119), at the northwest corner of the Easement, as shown on said plan; thence turning and running

S 54° 56" 35' E a distance of 6.00 feet, by said Main Street, to a point, as shown on said plan; thence turning and running

S 35° 39" 25' W a distance of 129.62 feet to a point, as shown on said plan; thence turning and running

N 59° 27" 36' W a distance of 6.02 feet, by land of the Massachusetts Bay Transportation Authority, to a steel rod with cap set, as shown on said plan; thence turning and running

N 35° 39" 25' E a distance of 40.91 feet to a steel rod with cap found, as shown on said plan; thence continuing

N 35° 39" 25'E a distance of 89.18 feet, by land of Donna B. Bisceglia, to the point of beginning, as shown on said plan.

This Easement is granted for the express purpose of permitting the construction and maintenance of a portion of the Rail Trail, so-called, together with the right to pass and repass by users of the said Rail Trail, upon the above-described parcel.

For Grantor's source of title: see Middlesex South Registry of Deeds Book 16559, at Page 468, and Book 17773, at Page 171.

This conveyance has been approved and authorized by a resolution of the Board of Directors of Grantor adopted by a unanimous vote on April 26, 2017.

In witness whereof, CLARE KAUPPI and **SHANNON MURPHY** have affixed their names and corporate office for the Grantor this 25th day of October 2017.

CLARE KAUPPI, President

SHANNON MURPHY, Treasurer

Commonwealth of Massachusetts

Middlesex, ss. October 25, 2017

Then personally appeared the above-named **CLARE KAUPPI** and **SHANNON MURPHY**, who are personally known to me to be the persons who signed the within instrument, and acknowledged the execution of foregoing instrument to be their free act and deed, in their respective capacities, before me,

Gene A. Rauhala, Notary Public
My commission expires April 8, 2022.

Cedwyn Morgan

From: MEEHAN, STEPHEN M NH-04 USAF HAF AFLCMC/SAF/AQCP <stephen.meehan@us.af.mil>
Sent: Monday, October 02, 2017 6:32 PM
To: Cedwyn Morgan (cmorgan@hetiservices.com); M. Cram
Cc: Bruce H. Easom (beasom@concentric.net); Joan Wotkowicz (joan@sebringdesign.com); Peter Cunningham; Rideout; MEEHAN, STEPHEN M NH-04 USAF HAF AFLCMC/SAF/AQCP; Steve Meehan
Subject: SQUANNACOOK GREENWAYS' HARBOR VILLAGE ACCESS
Attachments: HARBOR_VILL_STAGING.PDF

Cedwyn/Mark,

The ownership of Harbor Village has given us permission to access our property behind the plaza through their parking lot during construction. See the e-mail chain below for details. Note Eric Nabydoski's offeror to speak with permitting officials if required.

Thanks for what you guys are doing on permitting. I hope this helps.

Steve

From: MEEHAN, STEPHEN M NH-04 USAF HAF AFLCMC/SAF/AQCP
Sent: Monday, October 02, 2017 6:05 PM
To: 'mediapfs@gmail.com' <mediapfs@gmail.com>
Cc: MEEHAN, STEPHEN M NH-04 USAF HAF AFLCMC/SAF/AQCP <stephen.meehan@us.af.mil>; Steve Meehan <northmann12@aol.com>
Subject: FW: [Non-DoD Source] Fwd: Re: SQUANNACOOK GREENWAYS' HARBOR VILLAGE ACCESS

Eric,

On behalf of Squannacook Greenways and personally I thank you for granting us permission to access our property during trail construction through the Harbor Village parking lot. Prior to any construction, we will work with you, or your designated point of contact, to clarify construction related traffic volume and routing. We'll also provide a copy of current insurance coverage.

Access to the plaza is important to us also. One of the benefits of a trail we have long emphasized is that it will provide a safe alternative to busy Route 119 for bikers and pedestrians traveling to local business. We will make sure final trail design features ensure access between plaza and trail. We will also work with you on appropriate signage indicating the access point and an appropriate place for bicyclists to park and use the plaza.

We also appreciate your willingness to talk to permitting officials, if necessary, and your enthusiastic statement of general support for the project.

While we are not going to be ready for construction this year, things look good for 2018. Feel free to contact me at any time for an update. I also recommend you check out our website www.squannacookriverrailtrail.org and our Facebook page.

Finally, as we approach the end of this calendar year, if any of your business contacts are looking for tax deductible opportunities to invest in improving the quality of life in Townsend, Groton and the surrounding communities, we have several on-going business friendly fundraising initiatives I'd be happy to discuss.

Thanks again,

Steve

Steve Meehan
Squannacook Greenways, Inc.
978-660-5916

-------- Original message --------
From: Media Professionals <mediapfs@gmail.com>
Date: 10/1/17 9:11 PM (GMT-05:00)
To: northmann12 <northmann12@aol.com>
Subject: Re: SQUANNACOOK GREENWAYS' HARBOR VILLAGE ACCESS

Hi

Steve.

Conceptually you may have access. We still want to understand cars per day once you get closer and figure out a way they can come in and out without having issues. Would want a copy of insurance as well.

We were hoping you can create the access near Planet Fitness or to the right of it and keep it as permanent access where we can install a sign for people using the trail to be able to park a bike or walk out and utilize the plaza.

As far as permitting goes. We are excited and give our support. If anyone at the town needs to discuss it have them call me but we are in support.

Eric Nabydoski
FEDEQ NL004, LLC
386-405-4769

-------- Original message --------

From: Media Professionals <mediapfs@gmail.com>
Date: 9/16/17 12:27 AM (GMT-05:00)
To: northmann12 <northmann12@aol.com>
Subject: Re: SQUANNACOOK GREENWAYS' HARBOR VILLAGE ACCESS

Sorry been swamped. I am around tomorrow if you want to call me. 386-405-4769

-------- Original message --------

From: northmann12 <northmann12@aol.com>
Date: 8/31/17 4:28 PM (GMT-05:00)

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 _x__ 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:

	Existing	Change	Total
Footprint of buildings	_____0__	_0_____	0_____
Internal roadways	___0____	____0___	0_____
Parking and other paved areas	included in "other altered areas"		See Sect 12 attac
Other altered areas	___9.63__	____9.63_	9.63____
Undeveloped areas	_____	_____	_____
Total: Project Site Acreage	____9.63__	____9.63_	9.63____

B. Has any part of the project site been in active agricultural use in the last five years? ___ Yes ___x 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 __x_ 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 __x_ 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__x_ No; if yes, does the project involve the release or modification of such restriction? ___ Yes __x_ 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 _x__ 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 _x__; if yes, describe:

III. Consistency

A. Identify the current municipal comprehensive land use plan **SEE SECTION 10 ATTACHED**
Title:_____ Date_____

B. Describe the project's consistency with that plan with regard to:
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: _____

Title:_____ Date_____

D. Describe the project's consistency with that plan with regard to:
   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))? x___ Yes ___ No; if yes, specify, in quantitative terms:
SEE SECTION 7 ATTACHED
(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**? X__ 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)? __x_ 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)? _x__ Yes ___ No. If yes, **HABITAT SHOWN ON INCLUDED FIGURES**

1. Have you consulted with the Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program (NHESP)? _X__Yes ___No; if yes, have you received a determination as to whether the project will result in the "take" of a rare species? ___ Yes __X_ 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
DETERMINATION PENDING – SEE SECTIONS 7 AND 8 ATTACHED

3. Which rare species are known to occur within the Priority or Estimated Habitat?
SEE SECTION 7 ATTACHED

4. Has the site been surveyed for rare species in accordance with the Massachusetts Endangered Species Act? ___ Yes __X_ 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 __X_ 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 **SEE SECTION 7 ATTACHED**

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: **DETERMINATION PENDING NHESP REVIEW; SEE SECTIONS 7 AND 8 ATTACHED**

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 _X__ 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**: RFDA ANTICIPATED, SEE SECTION 9**

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 _x__ 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: 2,936 +/- feet of trail corridor is in Riverfront Area. At 20-foot total trail width, this is 58,720 sf of Riverfront Area. All of this area is in upland and not in any other resource area. All of this area is part of an existing rail bed. The track and rails will be removed, vegetation cleared, the surface graded, and 4 to 6 inches of stone dust will be laid down to create a smooth surface. Post-construction grade will approximate pre-construction grade. Trail width will be 10 feet; the remaining 10 feet of width will consist of 5-foot shoulders cleared of large vegetation.

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:

Coastal Wetlands	Area (square feet) or Length (linear feet)	Temporary or Permanent Impact?
Land Under the Ocean	____0 for all categories in this section	
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	_____	_____
Inland Wetlands		
Bank (lf)	____0 for all categories in this section	
Bordering Vegetated Wetlands	_____	_____
Isolated Vegetated Wetlands	_____	_____
Land under Water	_____	_____
Isolated Land Subject to Flooding	_____	_____
Borderi ng Land Subject to Flooding	_____	_____
Riverfront Area	_58,720 sf_____	permanent; see B above

D. Is any part of the project:

1. proposed as a **limited project**? ___ Yes _x__ No; if yes, what is the area (in sf)?____
2. the construction or alteration of a **dam**? ___ Yes __x_ No; if yes, describe:
3. fill or structure in a **velocity zone** or **regulatory floodway**? ___ Yes x_ No
4. dredging or disposal of dredged material? ___ Yes _x__ 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 __x_ No
6. subject to a wetlands restriction order? ___ Yes __x_ No; if yes, identify the area (in sf):
7. located in buffer zones? _x__Yes ___No; if yes, how much (in sf) _____
   5538 x 20 = 110,760 sf

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? __x_ Yes ___ No
2. alter any federally-protected wetlands not regulated under state law? ___ Yes __x_ 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 __x_ No; if yes, is there a current Chapter 91 license or permit affecting the project site? ___ Yes _x_ No; if yes, list the date and permit number and provide a copy of the historic map used to determine extent of filled tidelands:

B. Does the project require a new or modified license or permit under M.G.L.c.91? ___ Yes _x__ 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:_____
Area of filled tidelands covered by buildings:_____
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 x__ 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 __x 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 **X No;** *(NOTE: If yes, then the project will be subject to Public Benefit Review and Determination.)*

G. Does the project include dredging? ___ Yes _x__ 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 _x__ 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 __x_ 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 _x__ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**? ___ Yes __x_ 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:

	Existing	Change	Total
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:

	Permitted Flow	Existing Avg Daily Flow	Project Flow	Total
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 _x__ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **wastewater**? ___ Yes _x_ 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):

	Existing	Change	Total
Discharge of sanitary wastewater	_____	_____	_____
Discharge of industrial wastewater	_____	_____	_____
TOTAL	_____	_____	_____

	Existing	Change	Total
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:

	Permitted	Existing Avg Daily Flow	Project Flow	Total
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):

	Existing	Change	Total
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 _x__ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**? _x__ Yes ___ No; if yes, specify which permit: Permit to Access State Highway (from parking area on Rt 119)

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:

	Existing	Change	Total
Number of parking spaces	__12___	11_____	_23____
Number of vehicle trips per day	_0_____	___150__	_150___
ITE Land Use Code(s):	_NA; abandoned rail line		_____

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

Roadway	Existing	Change	Total
1. _____Rt 199_____	1250____	_150____	12650___
2. _____	_____	_____	_____
3. _____	_____	_____	_____

SEE SECTION 5 ATTACHED

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

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? **SEE SECTION 5 ATTACHED**

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

D. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation facilities? ____ Yes _X___ 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)? **NA**

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 _ X__ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **roadways or other transportation facilities**? __X_ Yes ___ No; if yes, specify which permit: PERMIT TO ACCESS STATE HIGHWAY (FOR PARKING AREA ON RT 1190

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:

B. Will the project involve any

1. Alteration of bank or terrain (in linear feet)? __SECTION 5 ATTACHED
2. Cutting of living public shade trees (number)? ____NO_____
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 SECTION 10 ATTACHED

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 __X_ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? ___ Yes _X__ 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:

	Existing	Change	Total
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 X___ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? ___ Yes X___ 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:

	Existing	Change	Total
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 _X__ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? _Yes **_X 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:

	Existing	Change	Total
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:

	Existing	Change	Total
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 _X__ 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 NA

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? _X__ 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:
SEE SECTION 11 ATTACHED

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 X___ No; if yes, does the project involve the destruction of all or any part of such archaeological site? ___ Yes __X_ 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:
SEE SECTION 11 ATTACHED

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:
SEE SECTION 11 ATTACHED

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)_____(Date)_____

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

Signatures:

Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing ENF (if different from above)
	Name (print or type)		Name (print or type)
	Firm/Agency		Firm/Agency
	Street		Street
	Municipality/State/Zip		Municipality/State/Zip
	Phone		Phone

352-(&7 '(6&5,37,21

The project is construction of a stone-dust rail trail on 3.7 miles of an abandoned rail line. The rail trail will be constructed on a portion of an abandoned rail line owned by the MBTA. Squannacook Greenways, Inc. (SGI) has a 99-year lease with the MTBA for this land. The only use by SGI permitted by the lease is construction of a rail trail. Although the width of the MBTA land varies in some locations, the width of the leased parcel over most of the course is about 80 feet.

SGI has prepared a series of figures that illustrate the path of the trail. The figures are based on Mass GIS mapping and aerial photography, and show the path of the existing railroad bed and proposed trail, the locations of proposed parking and staging areas; wetlands, habitat, and ACEC boundaries; parcel boundaries, and similar features. Two sets of figures were prepared to minimize clutter and enhance clarity: Sheets 1 – 8 ACEC and Estimated Habitat, and Sheets 1 – 8 Parking and Staging Areas. Both sets also show parcel lines including the MBTA property, the layout of the proposed rail trail, water bodies, wetlands boundaries, and other physical features

The trail will start at the east end at the Bertozzi Wildlife Management Area in West Groton, and at the west end off of Depot Street, just southwest of Townsend Center. A geo-referenced photographic log that included photos every 1,000 feet has previously been provided to the Dept. of Fish and Game. The attached figures show the layout of the trail.

The rails and ties occupy a corridor 10 feet wide. The rail lines and ties are intact over the length of the rail trail, but are generally in decrepit condition. Most of the rail line is on a bed that was constructed with fill and is slightly elevated over the surrounding grade, but there are areas where the rail line is flush with existing topography, and one small area where a cut was made through bedrock to construct the rail line (although the line is elevated over the base of the cut in this area). In general, land south of the rail line is undeveloped. Along Route 119 in Townsend, the northerly abutters of the trail include residential back yards, farms, the Townsend Harbor plaza, and the Sterilite factory. The only location where the trail passes directly through a developed location is in Townsend Harbor, which is described separately below.

The full 80-foot width of the leased land was not occupied by the rail line. The width of the raised bed and the area that visually appears to be the rail line and associated cleared buffer is typically on the order of 10 to 20 feet. The trail will be constructed in this narrower corridor, except where the trail will leave the rail property in Townsend Harbor as described below. No disturbance is planned outside this narrower corridor, except for staging and parking areas as described below.

The narrower corridor occupied by the rails is generally sparsely vegetated, but some brush vegetation and small trees have encroached on the corridor due to years of disuse. Existing informal walking trails parallel the rails for almost the full length of the rail trail.

The rail trail will be constructed as a stone-dust trail. This decision was made after considering cost, construction, and maintenance implications. The Mass Central Rail Trail has served as a model in this regard. Construction of the trail will involve removal of the rails and ties, grading the post-removal surface, and adding and compacting 4 to 6 inches of stone dust, creating a gently crowned compacted surface. The stone dust trail will be 10 feet wide, and will be bordered on each side by a strip 5 feet wide in which larger vegetation will be cleared, resulting in a net width of altered area that extends 10 feet from rail centerline in each direction, or 20 feet overall.