

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOEA No.: 14251
 MEPA Analyst: Bill Gage
 Phone: 617-626-1025

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Flood Mitigation Facilities for Peabody Square Area		
Street: Multiple Locations		
Municipality: Peabody, MA	Watershed: North Coast	
Universal Transverse Mercator Coordinates: North American Datum (NAD) 1983	Latitude: N 42° 31' 32.61" Longitude: W 70° 55' 26.03"	
Estimated commencement date: 09/2008	Estimated completion date: 09/2012	
Approximate cost: \$32.7 million	Status of project design: 25	%complete
Proponent: Mr. Richard M. Carnevale – Director of Public Services		
Street: 50 Farm Avenue		
Municipality: Peabody	State: MA	Zip Code: 01960
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Aaron Weieneth		
Firm/Agency: Metcalf & Eddy, Inc.	Street: 701 Edgewater Drive	
Municipality: Wakefield	State: MA	Zip Code: 01880
Phone: 781-224-6222	Fax: 781-244-5986	E-mail: aaron.weieneth@m-e.aecom.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?

Yes No

Has this project been filed with MEPA before?

Yes (EOEA No. _____) No

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

Yes (EOEA No. _____) No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8)) Yes No

a Special Review Procedure? (see 301 CMR 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

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): Massachusetts Economic Stimulus Bill (\$2 million); Massachusetts Transportation Bond Bill (\$2 million); MA Department of Housing and Community Development (\$0.5 million); MA Department of Conservation and Recreation (\$0.1 million); also seeking funds from the Executive Office of Transportation through the Public Works Economic Development program.

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Specify _____) No

List Local or Federal Permits and Approvals: Peabody Conservation Commission Order of Conditions, Peabody Historical Commission Review, Section 404 Programmatic General Permit, NPDES General Construction Stormwater and Remediation General Permits.

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts ¹	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input checked="" type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: MA Office of CZM Federal Consistency Review, Notice of Intent to Perform Utility-Related Abatement Measures (URAM)
Total site acreage	6.6			
New acres of land altered		2.0		
Acres of impervious area ¹				
Square feet of new bordering vegetated wetlands alteration ²		0		
Square feet of new other wetland alteration ²		See list of wetland impacts in Wetlands section of ENF		
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 (in feet)	0	0	0	
TRANSPORTATION				
Vehicle trips per day	0	0	0	
Parking spaces	0	0	0	
WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/ treatment	0	0	0	
Length of water/sewer mains (in miles)	0	0	0	

Notes:

General Note – Impacts are based on preliminary designs prepared during the early planning phase of the proposed project and may change as design progresses.

1. The proposed culverts for Goldthwaite Brook will be entirely below grade and disturbed surfaces would be restored to existing conditions, and widening of the North River would not require additional impervious surfaces. Thus, there would be no increase in impervious surfaces within the project area.
2. Impacts to wetland resource areas are based on review of available mapping layers from Massachusetts Geographic Information System (MassGIS) and preliminary field observations. Impacts to wetlands will be confirmed during final design.

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

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

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

Significant flooding occurs in Peabody Square and nearby streets during major precipitation events. The proposed plan includes alleviation of this flooding by modifying the two existing primary drainage conduits in Peabody, which are the culvert(s) carrying Goldthwaite Brook and Proctor Brook, and the open channel of North River. The plan has been divided into three projects: Project 1, Project 2, and Project 3.

Project 1 – Relocating and enlarging Goldthwaite Brook approximately 1,950 linear feet from Oak Street to its confluence with the North River approximately 100 feet east of Wallis Street, and cleaning approximately 990 feet of the original Foster Street culvert upstream of Oak Street and east of Foster Street. The existing culvert downstream of Franklin Street will remain in service to convey local drainage and flow from Proctor Brook to the North River. Multiple alternative alignments for the enlarged Goldthwaite Brook were identified in the same general area.

Project 2 – Widening approximately 1,600 feet of the North River from the confluence of Goldthwaite Brook with the North River (approximately 100 feet east of Wallis Street) to the Howley Street bridge over the North River. Project 2 will also require the replacement of the Caller Street bridge to allow the bridge culvert width to match the width of the river widening. This project (and Project 1 above) is located entirely within the City of Peabody.

Project 3 – The U.S. Army Corps of Engineers (ACOE) is about to initiate a Feasibility Study to improve conveyance for a section of the North River extending approximately 3,100 feet, including approximately 400 feet in Peabody from the Howley Street bridge to the Peabody-Salem boundary, and an additional 2,700 feet in Salem to approximately 600 feet downstream of Grove St.). The feasibility study will likely include widening the above-referenced stretch of river to 38 feet as well as other alternatives. Widening of the river may involve installing sheet piling along 3,100 linear feet of the north side of the river (the widened side), re-aligning a 90-degree river bend at a Railroad crossing, and the excavation and disposal of contaminated materials (river banks). The project was initiated under Section 205 of the 1948 Flood Control Act (PL 80-858), as amended.

The City of Peabody is responsible for the implementation of Projects 1 and 2, while the ACOE is responsible for Project 3. Additional details regarding the proposed plan are provided in Attachment A of this ENF.

Flood mitigation alternatives to the proposed plan included stormwater storage upstream at various existing ponds and wetlands, including: Cedar Pond, Upper Flume Pond, Lower Flume Pond, Sydney Pond, wetland upstream of Downing Road, detention pond at Northshore Mall and Crowninshield Pond. These upstream storage alternatives have been evaluated by the ACOE and by the City of Peabody consultants a total of four times in recent years. Alternative alignments for the Project 1 culvert widening, and alternatives for the Project 2 widening of the North River were also investigated to alleviate the flooding.

The footprint of the construction area has been minimized to disturb the smallest area possible to widen the North River. The widened river will provide additional wildlife habitat due to its increase in size. Similarly, the Goldthwaite Brook culvert realignment limit of work has also been limited to reduce disturbance within Riverfront Area.