

Commonwealth of Massachusetts

Executive Office of Environmental Affairs ■ MEPA Office

ENF

Environmental Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	13512
MEPA Analyst:	NICK ZAVALAS
Phone: 617-626-	1030

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: Beaver Brook Culvert Replacement and Day-Lighting Project		
Street: Beaver Brook Parkway between May & Maywood Streets & in Beaver Brook Park		
Municipality: Worcester	Watershed: Blackstone River Basin	
Universal Transverse Mercator Coordinates: 42.261740N -071.823244E Zone 19 NAD 83	Latitude: 42°15'42.264"N Longitude: 71°49'23.678"W	
Estimated commencement date: 2005	Estimated completion date: 2007	
Approximate cost: \$8,000,000	Status of project design: 70	%complete
Proponent: City of Worcester Department of Public Works		
Street: 20 East Worcester Street		
Municipality: Worcester	State: MA	Zip Code: 01604
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Kevin Aguiar		
Firm/Agency: BETA Group, Inc.	Street: 315 Norwood Park South	
Municipality: Norwood	State: MA	Zip Code: 02062
Phone: 781-255-1982	Fax: 781-255-1974	E-mail: kaguiar@beta-inc.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 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

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): MA 319 Funding (pending application)

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: Local Wetland Bylaw Order of Conditions, Section 404 Wetlands Permit (Army Corps of Engineers)

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	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input 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 type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	13.7			
New acres of land altered		13.7		
Acres of impervious area (culvert)	1.36	0	1.36	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		60,600 ± SF Land Under Water ; 120,000 SF Bordering Land Subject to Flooding; 29,375 SF creation of Riverfront Area		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	N/A			
Number of housing units	N/A			
Maximum height (in feet)	N/A			
TRANSPORTATION				
Vehicle trips per day	0	20	20	
Parking spaces	N/A			
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A			
GPD water withdrawal	N/A			
GPD wastewater generation/ treatment	N/A			

Length of water/sewer mains (in miles)	N/A		
---	-----	--	--

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.)

This project involves the restoration of 3526 L.F. of existing culverted stream (Beaver Brook) in Worcester, MA. The project limits extend from approximately Chandler Street to Maywood Street and run through Beaver Brook Park and along Beaver Brook Parkway. The project includes stream restoration (day-lighting) of approximately 1,175 linear feet of stream within Beaver Brook Park where the corridor width is sufficient to allow stream restoration. The restoration effort will include the creation of a natural stream bottom, adjacent wetland shelf, and earthen side slopes. The stream will be recreated with some meanders (to the maximum extent practicable with the narrow corridor available) and habitat structure. The wetlands and upland side slopes will be vegetated with native species appropriate to the habitat types. The project also includes the replacement of approximately 2,351 linear feet of culvert with a new 16' x 6' (twin 8' x 6') pre-cast concrete box culvert. An analysis of alternatives for this area included the potential for day-lighting this portion of the stream channel. However, this alternative was abandoned due to the narrow corridor available in the predominantly residential neighborhood, the need for tall vertical side walls to the open channel, the increased risk of more frequent neighborhood flooding, and increased safety risk to the residents with the immediately adjacent vertical side-walled urban stream.

Within Beaver Brook Park, the existing football field and one existing baseball field will be

reconstructed due to disturbance associated with the day-lighting of this portion of Beaver Brook. The overall project will include reconstruction and minor regrading and improvements to all the fields within the park, but there will be no loss of flood storage within the floodplain as part of the work. See attached Construction Sequence Plan for the complete reconstruction details of Beaver Brook Culvert and Beaver Brook Park.

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:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u>N/A</u>	<u> </u>	<u> </u>
Roadways, parking, and other paved areas	<u>1.12</u>	<u> </u>	<u>1.12</u>
Other altered areas	<u>13.7</u>	<u> </u>	<u>13.7</u>
Undeveloped areas	<u>N/A</u>	<u> </u>	<u> </u>

B. Has any part of the project site been in active agricultural use in the last three years?
 ___ Yes X No; if yes, how many acres of land in agricultural use (with 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 DEM-approved forest management plan:

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: Within Watershed Protection District.

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:

H. Describe the project's stormwater impacts and, if applicable, measures that the project will take to comply with the standards found in DEP's Stormwater Management Policy:

The project has no direct impacts on stormwater. It is a redevelopment project which includes daylighting of an open channel with installation of wetland and upland planting. Also the project consists of forebays within the channel, which will improve sedimentation quality. Therefore, the project will enhance stormwater system and improve water quality.

I. Is the project site currently being regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes ___ No X ; if yes, what is the Release Tracking Number (RTN)?