



**Environmental  
Notification Form**

*For Office Use Only*  
*Executive Office of Environmental Affairs*  
EOEA No.: **13437**  
MEPA Analyst: **ANNE CANADAY**  
Phone: 617-626-**1035**

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: Sales Creek Culvert Emergency Repairs		
Street: Entrance Road, Suffolk Downs		
Municipality: Revere	Watershed: Boston Harbor	
Universal Transverse Mercator Coordinates: 19:03:35:587E 46:95:576N	Latitude: 42° 23' 49"	Longitude: 70° 59' 50"
Estimated commencement date: 18 Jan 05	Estimated completion date: 15 Mar 05	
Approximate cost: \$900,000	Status of project design:	100 %complete
Proponent: Department of Conservation and Recreation		
Street: 251 Causeway Street		
Municipality: Boston	State: MA	Zip Code: 02114
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Don Crawshaw, Project Engineer		
Firm/Agency: DCR	Street: 251 Causeway Street	
Municipality: Boston	State: MA	Zip Code: 02114
Phone: (617) 626-1432	Fax: (617) 626-1370	E-mail: Don.Crawshaw@state.ma.us

- 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. 1346)  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):  
This project is funded by the DCR.

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

List Local or Federal Permits and Approvals:  
WPA Emergency Certification (Revere Conservation Commission)

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

- Land
- Water
- Energy
- ACEC

- Rare Species
- Wastewater
- Air
- Regulations

- Wetlands, Waterways, & Tidelands
- Transportation
- Solid & Hazardous Waste
- Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
<b>LAND</b>				<input type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input 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 <i>(including Legislative Approvals) – Specify:</i>  <u>Emergency Certification</u>
Total site acreage	N/A – See project description			
New acres of land altered		0		
Acres of impervious area	N/A	N/A	N/A	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		480 square feet		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage	N/A	N/A	N/A	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	N/A	N/A	N/A	
<b>TRANSPORTATION</b>				
Vehicle trips per day	N/A	N/A	N/A	
Parking spaces	N/A	N/A	N/A	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/ treatment	N/A	N/A	N/A	
Length of water/sewer mains (in miles)	N/A	N/A	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 ( Rumney Marshes)  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.*)

a) This project consists of the emergency temporary repair of two pairs of culverts, one at Location 2, and the other at Location 3, which convey Sales Creek under Suffolk Downs race track property. These two culverts were installed as part of the Sales Creek Flood Control Project which was exempted from the ACEC designation per the 1988 Designation by Secretary Hoyte. Based on inspections conducted for the Department of Conservation and Recreation (DCR), the culverts under the entrance road and the northwest corner of the race track are severely deteriorated and subject to imminent failure. A failure of these culverts during a large storm event would cause significant flooding and pose a threat to public property, private property, and public safety and welfare.

Inspections of these culverts found significant corrosion of the existing corrugated metal pipes (CMP) and deformation of the CMPs. The pair of culverts at Location 3 is comprised of two 250-foot long CMPs: one 72-inch diameter CMP and one 84-inch diameter CMP. The inlets are blocked by dumped stone. The pair of culverts at Location 2 is likewise comprised of two 375-foot long CMPs: one 72-inch CMP and one 84-inch CMP. These pipes convey flow under the northwesterly corner of the Suffolk Downs race track.

The proposed immediate repair will involve replacing the upstream sections of the culverts with new pipe sections by open trench construction techniques. At Location 2 it is proposed to replace an approximately 80-foot long section of each CMP with a new 108-inch diameter CMP section. A temporary headwall made of stone-filled gabion baskets will be installed to stabilize the inlet. At Location 3 an approximately 20-foot long section of each CMP will be replaced with a 108-inch diameter CMP section and a temporary headwall will be installed as described above for Culvert 2. Flow capacity through the culverts will not increase because the remainder of the 72- and 84-inch diameter CMPs will remain in place and thus limit flow through these culverts.

Future plans for permanent repairs will be the subject of an amended ENF to be filed with MEPA for the permanent repairs. Inspection reports, design calculations, and permanent repair plans developed for the long-term repairs will be submitted with the amended ENF when completed.

b) The only alternative to the current project that was considered was to replace the current 72- and 84-inch CMPs with CMPs of the same diameter instead of 108-inch. This alternative was rejected from further consideration because it would make necessary another excavation at the time of permanent repair in order to install permanent culverts. The use of 108-inch temporary culverts enables the slip-lining of these CMPs with permanent culverts without the need for further excavation. The sliplining minimizes future disturbance in this area. Flow capacity through the culverts will not increase because the remainder of the 72- and 84-inch diameter CMPs will remain in place and thus limit flow through these culverts.

c) Construction-period mitigation measures will be used as necessary to prevent erosion and sedimentation in Sales Creek. These may include hay bales, gabion blankets, and other best management practices.