



March 17, 2011

Cynthia Liebman
Conservation Law Foundation
62 Summer Street
Boston, MA 02110-1016

Kate Bowditch
Charles River Watershed Association
190 Park Road
Weston, MA 02493

RE: Final MOU Report on DCR Parkway Sweeping and Catch Basin Cleaning

Dear Cynthia and Kate:

DCR is pleased to provide you with this final report on DCR street sweeping and catch basin cleaning and drainage repair activities in accordance with the our storm water management policy and the Memorandum of Understanding between DCR and CLF and CRWA. This report contains a summary of work completed from March 2009 to present.

DCR continues to update its drainage infrastructure database with the 10,890 catch basins, 4,547 manholes, 2,183 outlets, 1,774 outfalls and 1,083,535 linear feet (+/- 205 miles) of pipes, swales and linear drainage features. Drainage data has been reviewed and error checked. Several portable computer hardbooks with GPS capabilities are loaded with the drainage infrastructure database and are used to

COMMONWEALTH OF MASSACHUSETTS · EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS

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Timothy P. Murray
Lt. Governor

Richard K. Sullivan Jr., Secretary
Executive Office of Energy & Environmental Affairs

Edward M. Lambert Jr., Commissioner
Department of Conservation & Recreation

record maintenance visits and histories for each structure in the field. DCR will continue to visit drainage locations in the course of maintenance and collect maintenance information as work progresses.

DCR continues to implement its illicit discharge detection and elimination (IDDE) program through targeting and investigating specific areas on a 5-year rotating schedule. In 2009 and 2010 DCR used consultant AECOM to visit locations throughout the lower Mystic River and lower Charles River watersheds. In 2009 and 2010 respectively, approximately 2,554 and 3,753 locations were visited, sampled and analyzed in accordance with DCR's Storm Water Management Plan. Summaries of the IDDE studies are available through the DCR storm water web page and filed with EPA and DEP as appendices to the 2009 and 2010 annual reports.

During 2009 and 2010 DCR used contractor American Sweeping to provide mechanical and vacuum street sweepers services for roads and parkways that discharge to impaired waters or are part of DCR's street sweeping program. When DCR staff and equipment was available, DCR swept the bridges, parks and parkways for the Charles River basin, Nantasket Beach and Revere Beach Reservations. Vacuum sweepers were used on permeable pavement parking lots at Walden Pond Reservation in Concord and Hurter Parking lot #2 in the Charles River Reservation.

DCR continues to contract and provide services for catch basin cleaning and water jetting of connecting drainage pipes. Catch basin inspections from March 2009 through December 2010 are shown below. DCR staff cleaned catch basins in throughout the urban park and parkway system as well as state parks in Concord, Holyoke, Natick, Worcester and other locations.

No catch basin residuals were removed from DCR sites during March 2009 through February 2010 due to a lapse in contract services for waste disposal and limited staffing during this period. Waste removal

actions resumed in March 2010, and all accumulated catch basin wastes were removed from DCR maintenance yards in 2010.

DCR Catch Basin / Drainage Manhole Maintenance

	<u>Inspected</u>	<u>Cleaned</u>	<u>Repaired</u>	<u>Tons Removed</u>
Mar. to Sept. 2009	2,112	1,724	211	-----
Oct. 2009 to Feb. 2010	1,341	1,249	10	-----
Mar. to Sept. 2010	2,074	1,506	266	919
Oct. to Dec. 2010	956	627	15	1,280

In July 2010 DCR removed 976 tons of accumulated sediment from the Spot Pond Brook Flood Control sediment basin at Oak Grove in Malden and recycled this material through Apple D'Or Tree & Landscaping, Inc. The Oak Grove sediment basin had not been maintained in over 25 years. In June 2010 DCR removed 80 tons of accumulated sediments from Town Brook Flood Control sediment basin in Quincy. In December 2008, 2009 and 2010, DCR removed a total of 71 cubic yards of floating debris, dead vegetation and refuse from the Muddy River at Charlesgate.

Working with Boston Conservation Commission and Boston Parks Department, DCR completed repairs to catch basins, drainage piping and outfalls at five locations on the Jamaicaway and Riverway at Brookline Avenue and Longwood Avenue where slow street drains had resulted in street flooding and erosion had disturbed large areas of parkland. DCR is working with US ACOE on its Phase 1 Traffic and Waterway Improvement Project to the Muddy River at Monument Square. Also, DCR completed drainage repairs and installed low-pressure sewer service to Cambridge Boat Club and Marsh (American Legion) Post on Greenough Boulevard in 2009. Flexi-pave, a pervious pavement product, was used on approximately

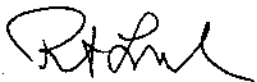
1,200 feet of sidewalk along Memorial Drive and to re-surface Herter Parking Lot #2 which eliminated one catch basin and outfall to the Charles River.

In November 2009, DCR transferred care and control of most the vehicular bridges and eight parkways formerly owned and controlled by DCR to MassDOT under terms of the MOU between DCR and MassDOT. These parkways include Casey Overpass (Arborway), Morton Street, certain sections of Columbia Avunue, Gallivan Boulevard, McGrath Highway, O'Brien Highway and Middlesex Avenue. DCR continued to provide storm water maintenance services on these roads and parkways through November 2010. Beginning December 2010, MassDOT will have responsibilities for storm water and other roadway maintenance obligations as set forth in the DCR-MassDOT MOU and any associated agreements.

In FY11 DCR storm water management efforts are supported by operating and capital appropriations that will total approximately \$3.9 million, approximately equal to FY10 funding levels. DCR will continue to utilize all available funds to maintain the level of service throughout the state park and parkway system.

Sincerely,

Department of Conservation and Recreation

A handwritten signature in black ink, appearing to read "R. Lowell", written in a cursive style.

Robert Lowell

Environmental Section Chief /Storm Water Manager

CC: Edward Lambert, Jr., Commissioner

Thomas LaRosa, Office of General Counsel