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SOLICITORS OFFICE

Karlis Skulte, P.E.
EBI Consulting
21 B Street
Burlington, MA 01803

February 5, 2013

RE: Town Brook Quincy, Flow Recapture Alternatives Report

Dear Mr. Skulte,

We are in receipt of Town Brook Flow Recapture Alternatives Report dated January 14, 2013. We acknowledge the thoroughness of the report with practical solutions to the low flows in Town Brook.

We concur with your recommendations with the following comments for your consideration. First, we strongly support work to remove built up sediment in the concrete chamber and the open channel segment of Town Brook immediately downstream of the Centre Street Junction structure to an elevation of 20.84. DCR supports an inline grit chamber that will assist the city in future removal of sediment and thus improve flow to the smelt spawning area.

DCR supports the work diverting the dry weather Crowne Colony wetland flow to OCS 2 and the building of a rectangular diversion manhole with a 1' high stop log. Based upon DCR's experience with stop log structures, DCR would recommend shortening the length of the stop log by replacing a larger percentage of the diversion stop log with a fixed concrete weir. The remaining stop log could have a reduced length of 4 feet and be made of aluminum for better longevity with neoprene seals for better performance and ease of operational placement and removal.

DCR supports the addition of a manhole at the confluence of the new box culvert and the existing Town Brook culvert to provide easier access for removal of accumulated sediment.

The DCR agrees that the modifications proposed herein should be implemented and monitored prior to requesting any additional modification to the Centre Street Junction overflow trough.

Thank you for the time and effort you have spent on this matter. Please contact me if there are any questions.

Sincerely,

Michael Galvin
DCR Project Engineer

CC: M. Misslin, P. DiPietro, T. LaRosa, DCR
F. Tramontozi, Paul Hines, City of Quincy
Karlis Skulte, EBI, Consulting
Scott Michalak, Michael Bachand, USACE

