

CAMBRIDGE WATER BOARD

MEETING MINUTES

April 10, 2018

This meeting was called to order at 5:05 p.m. at 250 Fresh Pond Parkway, in Cambridge, Massachusetts. Those in attendance were:

Cambridge Water Board (CWB): Richard Johnson, Ann Roosevelt, Kathleen Kelly, Jim Burruss and Jason Marshall

Cambridge Water Department (CWD): Sam Corda, Fred Centanni, Mark Gallagher, Tim MacDonald and Jamie O'Connell

Visitors: Ali Hendren (resident)

A. MINUTES OF DECEMBER 12, 2017 and JANUARY 9, 2018 MEETINGS

Mr. Burruss moved and Ms. Kelly seconded the motion to approve the February 13, 2018 minutes as amended. The vote was unanimous in favor of the motion.

B. MANAGING DIRECTOR'S REPORT

DCR Greenway Update:

The bid opening was March 20, 2018, Onyx Corp. was the apparent low bidder at \$3.5M and was one of seven bids. The DCR design does include the conduit without any lighting posts or fixtures.

The City plan is 1) to set-up a demonstration of the proposed lighting configuration (spacing and height) as designed to see what the lighting looks like, 2) to have a public meeting (date not yet defined); and 3) respond to the Fresh Pond Master Plan Advisory Board letter.

Stewardship Awards:

The Stewardship Awards will be held on May 16, 2018 at 6:30 pm here at the Water Department. The recipients this year are Rich Ross and Paul Ryder.

40" Force and Supply Line (Payson Park) Evaluation:

The 40" riveted steel force and supply line evaluation contract has been signed and awarded. The scope of work includes: 1) sophisticated leak detection with internal videotaping, 2) existing cathodic protection system evaluation, 3) design of the Huron Avenue pipe crossing. Kick off meeting is to be scheduled and once started this work should take about 9 months to complete.

Cured in Place Pipe (CIPP)/Plastic Pipe Update:

The Board and Staff discussed the next steps in performing a study to compile any existing data, reports, information and current uses of CIPP/Plastic Pipe for drinking water and what the "go forward strategy" will be. The information below was used to initiate the discussion

Below is the excerpt from the November 2017 Water Board Approved Minutes relating to CIPP/Plastic Pipe planning

Initial general approach to better understand and review CIPP and plastic pipe – highlighted in yellow was the planned next step.

CIPP/Plastic Pipe Update:

- 1) Developing a scope of services to determine the condition of the 40” riveted steel force and supply line to and from Payson Park. This effort will involve the following:
 - a. Review the status and make recommendations for the Cathodic Protection System that was installed in 2001.
 - b. Perform sophisticated leak detection and “video” the internals of the 40” lines.
 - c. Utilizing the information from above to assess the pipe condition and determine the rehabilitation needs of the 40” riveted steel pipe (i.e. cement line, repair/cement line, replace sections/cement line, etc.).
 - d. Plan is to award by end of year (2017)
 - 2) Establish a baseline of information for Cured-In-Place Pipe (CIPP) and plastic pipe
 - a. Review of existing studies, reports and information
 - b. NSF 61 test results/data
 - c. BPA/BPF test results/data
 - d. AWWA Water Research Foundation
 - e. Other water utilities such as the MWRA
 - 3) Obtain approval to develop a “go-forward strategy” for analyzing the potential uses and potential effects of CIPP/Plastic Pipe
 - 4) Develop the go-forward strategy (if approved)
 - a. The “go-forward strategy” is defined as a plan that will be developed as we compile information and learn about CIPP/Plastic pipe from items 1) and 2) above.
 - b. The intent is for the Water Department to develop this plan utilizing input, review and feedback from the Cambridge Water Board and Cambridge Public Health Department.
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After this was reviewed and discussed it was decided that we should see if we could schedule both the Cambridge Health Department and CDM Smith to attend the May 8, 2018 Water Board meeting to further discuss and better define the CIPP/Plastic Pipe study for use in drinking water systems.

Mr. Corda will attempt to coordinate and schedule the Health Department and CDM to attend the May Water Board meeting to further develop and define the CIPP/Plastic pipe “study” for drinking water effort.

C. OPERATIONS

Transmission and Distribution:

No comments

Watershed: We continue to work with the Law Department on the 104 Boston Post Road project. The project was denied by the Town of Weston ZBA and is in the State Housing Appeals Committee, the appeal to DEP is also still pending.

We continue to be in the recharge cycle for our reservoirs and based on precipitation and future predictions, we will not be in a drought condition this spring.

Business:

No comments

Water Operations:

Mr. MacDonald noted that as we continue to move forward with the needs assessment for supervisory control and data acquisition (SCADA) system upgrade.

It was noted that the Laboratory is currently being audited by DEP for microbiology and things are going well. The other area that DEP audits our laboratory for is chemistry.

Engineering:

No comments

D. ACTION ITEMS

None

E. MISCELLANEOUS CORRESPONDENCE AND ITEMS OF INTEREST

No comments

F. NEW BUSINESS

None

G. NEXT MEETING DATES/TOPICS

- May 8, 2018: Approved/CIPP/Plastic Pipe Study development
- June 12, 2018: Approved/TBD
- September 11, 2018: TBA/TBD
- October 9, 2018: TBA/TBD
- November 13, 2018: TBA/TBD
- December 11, 2018: TBA/TBD

Mr. Burruss moved and Ms. Kelly seconded the motion to adjourn the meeting at 6:20 p.m. The vote was unanimous in favor of the motion.