

## EXECUTIVE DIRECTOR'S REPORT

March 29<sup>th</sup>, 2016

1. **Readings** – We have almost wrapped up our 3<sup>rd</sup> set of readings for the year. Due to the record setting snow fall last year we had only one set of readings up to this point.
2. **Meetings** –
  - I met with Michelle Laboy, Seth Wiseman, Joshua Fiedler, and Kristopher Carter to discuss the potential of using Lightwell Technology in BGwT wells to educate the public on groundwater recharge (1/26).
  - I met with newly elected at-large city-councilor Anissa Essaibi-George to review the efforts of the Trust and our role in the GCOD zoning process (2/4).
  - I met with Peter Sherin resident of 122 Beacon Street and Jutta Hager, President of Hager Geo-Science to review the feasibility ground penetrating radar technology for wood pile detection (2/24).
  - I met with Phil Larocque & Luis Melara of Boston Water & Sewer to review the GCOD approval process (2/24).
  - I presented the groundwater issue to the Hammond Residential Real Estate group at 10 Berkeley Street (3/15).
  - I met with Jim White of H.W. Moore & Associates to review to the proposed renovation and groundwater recharge system for 771 Harrison Avenue (3/16).
  - I met with Melissa Schrock of Boston Properties, Mark Haley of Haley & Aldrich, and Brian Fairbanks of Parsons Brinckerhoff to review the proposed development and groundwater recharge system for Back Bay Station (3/17).
  - I attended the City's utility construction kickoff meeting at the Historic Great Hall in Faneuil Hall hosted (3/18).
  - I spoke and met with residents throughout the GCOD to discuss ZBA procedures and advised them on what they need to provide us to satisfy the zoning.
3. **MBTA** - Approximately 47.9 gpm is being injected into recharge wells in the area. In addition to our manual monitoring we have 4 wells in the area with dataloggers recording a water level every 60 min. The recharge system on Cazenove Street overflowed on 1/11/16 and was temporarily shut down by BWSC on 1/12/16. The system was recalibrated and restarted by the GZA (the MBTA's Engineer) on 1/28. GZA inspected all recharge systems in the area and adjusted all flow rates. Levels in the Appleton & Tremont Street area are lower than what was projected. The T is investigating why levels are not higher and will update us at the April City-State Groundwater Working Group meeting. On a positive note, the level in the Berkeley Street well by the Benjamin Franklin Institute has slowly risen over the past couple of months and remains high.

4. **Porous Alley 543** - We continue to datalog two wells in Porous Alley No. 543. A summary of the report from CRWA stated the following:
  - Adequate storage has been provided for all storm events
  - Water depth below the porous pavement has not exceeded more than 8"; which is almost a foot below the overflow pipe
  - Other than the need for additional vacuum sweeping the alley is effectively infiltrating stormwater
  - Alley's performance is comparable to other porous asphalt systems in New England
5. **BWSC** - Potential sewer leak in Callahan tunnel however no infiltration discovered. MassDOT to perform inspections and coordinate with BWSC. Low levels by Clarendon and Gray streets in the South End some infiltration seen in laterals. Will look into manholes and report back at April City-State. Alley No. 430 TV inspection completed and are reviewing inspection results. Repairs and recharge installation for alley included in 2016 capital improvement plan. Stanhope Street buildings have issues with back-up in drains along Stanhope Street. They will continue to look at sewers in the area. In addition, they will look at low spots along Fairfield Street and Stuart Street. In repose to the low levels on Commercial Street in the North End they will coordinate with ISD to inspect buildings along Commercial Street.
6. **MassDOT** - Inspected 48" storm drain trunk line along the prudential tunnel drainage system and discovered groundwater infiltration. Six leaks were sealed on 1/6 and 1/13. Additional inspection of 30" portion of drain line remains. An update will be provided at the April City-State Groundwater Working Group meeting. So far wells in the area have not shown an increase
7. **Veolia Energy** - The Copley Square Public Library and other smaller steam customers will be investigated as possible locations. Veolia submitted data to DEP on discharge content. The permitting process was vetted and will be completed without any issues.
8. **Eliot Hotel** - The Eliot Hotel on Commonwealth Avenue has had water seeping in through their elevator pits. The problem first sprung up last May and occurred again this past December. BWSC tested the water and the results indicated that it was groundwater. The Hotel is in the process of sealing their elevator pits to avoid additional issues.
9. **Website** - I have added some new content to our website. The most recent items are posted under our "Newest" tab on our homepage. As always, I would appreciate any feedback you may have.