

EXECUTIVE DIRECTOR'S REPORT
September 15th, 2016

1. **Readings** – I have hired new well reader and we started reading our 8th set of readings of the year.
2. **Meetings** –
 - I met with John Holland and Paul Baccala of the Holland Company to review their changes for the 46 Wareham Street project in the South End (7/28).
 - I met Neighborhood Association of the Back Bay's president Sam Wallace about groundwater levels in the vicinity of Fairfield and Beacon Streets (8/31).
 - I was interviewed by Christian Bergeron of the Boston Guardian about the current drought and its potential effects on woodpiles (8/5).
 - I was interviewed by Beth Treffeisen of the Beacon Hill Times about the current drought and its potential effects on woodpiles (8/22).
 - I was interviewed by reporter Doug Cope of the WBZ Radio about the current drought and its potential effects on woodpiles (8/24).
 - I was interviewed by meteorologist Michael Page of New England Cable News about the current drought and its potential effects on woodpiles (8/24).
 - I attended scoping sessions for the 46 Wareham Street project (8/9) and the General Electric Headquarters project (8/10).
 - I presented to the Inspectional Services Department Commissioner Christopher, plans examiners, and various staff. The presentation focused on the work of the Trust, GCOD, and the importance of ISD's role in plans review process (9/7).
 - 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 46 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. Levels in the Appleton & Tremont Street area are lower than what was projected. Along with the MBTA's Engineer (GZA Geo-Environmental) I coordinated with BWSC and ISD for entry into 1 Appleton Street. We discovered a sump pump system was originally installed to prevent periodic flooding in the parking garage. However, the building manager indicated that the sump pump system is no longer necessary because flooding of the basement has not occurred since a new storm drain system was installed near the entrance of the parking garage about 15 years ago. The recommendation from ISD and GZA is that the sump pump system is filled with concrete or be permanently removed.

4. **Porous Alley 543** - We continue to datalog two wells in Porous Alley No. 543. A final report received in mid-July from CRWA stated the following:
 - Every well had a statistically significant increase in the post-construction time period relative to the pre-construction time period. Most of the wells also had a statistically significant relationship with precipitation.
 - If properly maintained, the alley should continue to provide groundwater storage and water quality benefits for years to come.
 - Adequate storage has been provided for all storm events
 - Alley's performance is comparable to other porous asphalt systems in New England
5. **DCR** – The Storrow Drive Tunnel pump station system is operating as anticipated. Discharges in both pumps to the east and west have equal run times and are showing no anomalies. The low levels to the west of Berkeley Street along the Back Street have come back up and are stable. DCR coordinated with BWSC, inspected the infrastructure, and found no issues. I am not sure what caused the drop. I have installed 3 dataloggers in the wells that dropped to see if this occurs again. Internally within the next 6 months the DCR will look at underpass repairs and start to form a plan for what's next. Recharge will be part of the plan and will be looked for possible upgrade.
6. **BWSC** – An update of the following:
 - Manholes along Fairfield Street by Beacon Street were inspected but no infiltration seen. Back Street manholes were also inspected and there may be some infiltration. BWSC is actively inspecting all of their low infrastructures in the area. Dye tracer tests are being conducted in our wells both yesterday and today.
 - Entry into the North End buildings along Commercial Street is being coordinated with ISD. BWSC will accompany ISD personnel to inspect buildings and check for sump pumps and laterals.
 - A TV inspection of pipe along Richmond Street initially revealed what appeared to be a leak by the low well (25L-1586). However, additional TV inspection at the corner of Richmond and Commercial revealed no infiltration. BWSC will continue to investigate. Pipe in question is at a low level elevation.
 - Along Clarendon, Gray, & Appleton Streets there were no signs of infiltration. CCTV inspection scheduled in the next couple of weeks.
 - Sewer lines and manholes in the area of Appleton and Tremont Street's will be inspected.
 - Alley No. 430 work is setup to design and a contract will be bid in the Autumn of 2016, with construction is anticipated to occur in mid-2017.

- In the Stuart Street area between Berkeley and Dartmouth Streets steam lines are causing an issue for inspections. BWSC is coordinating with Veolia to help in accessing lines.
7. **MWRA** - Inspected the Boston Marginal Conduit (BMC) at the beginning of September. The initial review of the inspection showed there were only very minor signs of infiltration at a few spots during the inspection. None of which is significant enough to cause the lowering of the groundwater in the area of Fairfield and Beacon Streets. The inspection tapes will be reviewed later this week and a report will be forwarded to the BGwT.
 8. **MassDOT** - Additional inspection and repairs of the 30" portion of the Prudential Tunnel drain line is scheduled for later this month. So far wells in the area have shown a slight increase in response to the previous repairs that were made in early January.
 9. **Veolia Energy** - The Copley Square Public Library and other smaller steam customers are still being investigated as possible locations. Veolia submitted data to DEP on discharge content. The permitting process was vetted and will be completed without any issues.
 10. **Opportunity for Trustee Site Visit** – I have arraigned for those Trustees who are interested to observe test pit work and pile installation work on an upcoming project in mid-October. I'll provide additional details as we zero in on a date and time.
 11. **Website** - I have added some new content to our website. Articles have been written and news interviews have been conducted about the recent drought and its potential effect on wood piles. The most recent items are posted under the "*Latest News*" tab on our homepage. As always, I would appreciate any feedback you may have.