

Cheryl Frazier

From: Matt Mostoller [Matt@actonwater.com]
Sent: Thursday, February 27, 2014 11:45 AM
To: Board of Appeals
Cc: Chris Allen; Doug Halley; llevine@dlpnlaw.com
Subject: Acton Water District Post Office Square Follow Up
Attachments: im3511_20140227_123026.pdf; Post Office Square Water Impact Report

The Acton Water District met with the project engineer and Town Health Department staff on February 11th to discuss our concerns expressed in the February 3, 2014 letter to the Zoning Board of Appeals. The attached email was sent to the project proponent regarding the Water Impact Report and a letter dated February 19, 2014 outlines the actions regarding trespassing, blasting, and wastewater discharge. We will continue to work with the two parties on details associated with the groundwater monitoring in the vicinity of the waste water discharge.

To insure adequate protection of our Conant 2 well, we request that copies of any operations and monitoring reports for the wastewater and storm water systems be sent to the Acton Water District.

Thank you, Matt

Matthew Mostoller

Environmental Compliance Manager
Water Supply District of Acton
693 Massachusetts Avenue
P.O. Box 953 Acton, MA 01720
P 978-263-9107 F 978-264-0148

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Cheryl Frazier

From: Matt Mostoller [Matt@actonwater.com]
Sent: Thursday, February 20, 2014 9:13 AM
To: Eastern Land Survey Associates, Inc.
Cc: Chris Allen
Subject: Post Office Square Water Impact Report

Jim,

Thank you for meeting with Chris and I last week.

We have reviewed the Water Impact Report submitted for this project and offer the following response.

The average and maximum day demand was not calculated for the project.

The impact of the project relative to the current average and maximum day demands for our system are required. The five year average for ADD and MDD are as follows, please compare your estimated ADD/MDD to these figures. Additionally, estimated savings from your proposed volumes should be evaluated with the implementation of conservation measures.

1.63 MGD 2008-2012 ADD
2.48 MGD 2008-2012 MDD

	ADD	MDD
2008	1.62	2.597481
2009	1.62	2.374585
2010	1.6	2.54
2011	1.64	2.44
2012	1.68	2.43

Per our previous conversation, we do not believe the additional infrastructure associated with this project will impact system hydraulics, therefore no modeling is required. The six inch main should be adequate to meet projected demand and fire flows. The smaller diameter will help to minimize water age and potential water quality issues associated with the dead end configuration.

Given the commitment to pursue LEED certification and in an effort to minimize the impact of this project on the water supply, we offer the following recommendations that can mitigate the impact of this project on our system.

Point of use hot water systems should be considered as a way to minimize water waste. Alternatively, locations of traditional hot water systems and the associated piping can be optimized to reduce water waste.

If appliances are to be included in the final homes for sale, washing machines should be Consortium for Energy Efficiency Tier 3 models. Dishwashers should be Energy Star (2012 or later) rated.

WaterSense fixtures should be utilized for bathroom faucets (1.5 gpm), toilets (1.28 gpf), and showerheads (2 gpm).

Drought tolerant plantings and six inches of 10% organic content soil should be utilized for establishing lawn areas. This will help to encourage successful landscapes that do not require supplemental irrigation as stated in your Impact Report.

We will continue to work with the Board of Health on the monitoring wells and testing program for the waste water disposal system.

Matthew Mostoller

Environmental Compliance Manager

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