



TOWN OF BROOKLINE
Massachusetts
DEPARTMENT OF PUBLIC WORKS
Engineering & Transportation Division

Andrew M. Pappastergion
Commissioner
Peter M. Ditto, PE
Director

Interoffice Memorandum

To: Zoning Board of Appeals

From: Peter M. Ditto, Director of Engineering/Transportation

Date: December 7, 2016

Re: 1180 Boylston Street Stormwater Management Update

CC:

Board Members: This memo is to update Board Members on the status of the Stormwater Management program for the project at 1180 Boylston Street.

The developer's consultant submitted a stormwater report and calculations dated May 26, 2016 and amended November 18, 2016. The report and calculations addressed the requirements of both the Town's Stormwater By-Law and MassDep Stormwater Management Standards. Key findings of these reports are as follows:

- Because of the footprint of the building (i.e. encompassing the whole site) an infiltration system is not feasible
- There is no pervious area with the new project
- The peak runoff rate is less than or equal to the existing runoff rate for the 2, 10, 25 and 100 year storms
- The stormwater volume from the new development is greater than the existing volume for all storms.
- The quality of runoff with the new development will be better than existing
- As part of the stormwater management design a 6300 cubic foot tank will be installed to store the volume of stormwater from the 25 year storm and reduce the peak rate of runoff
- The 12" drain in Boylston Street has sufficient capacity to handle both the peak runoff and volume from the 25 year design storm.

Summary: At this time the proposed site plan meets the requirements of both the Town's Stormwater By-Law and MassDep Stormwater Management Standards. As the building plans move forward and the footprint is definitively established, the site plan may have to be revised to accommodate potential conflicts.