

Eastern Land Survey Associates, Inc.

Professional Land Surveyors & Civil Engineers
ESSEX SURVEY SERVICE 1958 - 1986
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January 22, 2014

RECEIVED

Mr. Chris Allen, District Manager
Water Supply District of Acton
693 Massachusetts Avenue
P.O. Box 953
Acton, MA 01720-0953

JAN 24 2014

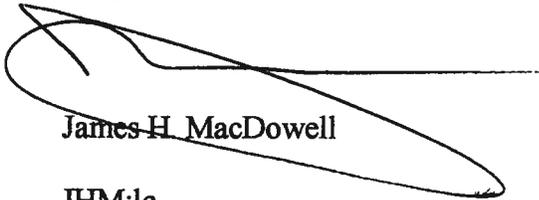
Town of Acton
Planning Department

RE: F 16387
POST OFFICE CROSSING
ACTON, MA

Dear Mr. Allen:

Accompanying this letter is a Water Impact Statement for the referenced project. Please direct any questions or requests for additional information to the undersigned.

Very truly yours,


James H. MacDowell

JHM:lc

cc: Mr. Philip Singleton
Acton Planning Board of Appeals
Attorney John Keilty

Enclosure

104 LOWELL STREET
PEABODY, MASS. 01960

TELEPHONE: 978-531-8121

FAX: 978-531-5920



**WATER IMPACT REPORT
POST OFFICE CROSSING
10 POST OFFICE SQUARE
ACTON, MA**

Applicant: Philip Singleton
Contact: Attorney John R. Keilty
40 Lowell Street
Peabody, MA 01960
978-531-8121

The project consists of twelve, three bedroom, single family homes. The anticipated project start date is summer of 2014 and it is anticipated that the project would take two year to complete, depending upon market conditions.

The estimated water demand, based on Title 5 flow estimates, is 110 gallons per bedroom per day or a total of 3,960 gallons per day. Initial discussions with Matthew Mostoller indicate that this flow will have little impact on the District's existing supply or distribution system characteristics. At the request of Mr. Mostoller, residence times in the 270 feet of proposed water main within Danielle Circle were calculated for 6 and 8 inch diameter mains. For the purpose of this calculation, it was assumed that the average daily flow of 3,960 gallons would occur over 16 hours. Residence times were calculated as follows:

6 inch main	1.24 hours
8 inch main	2.17 hours

Proposed conservation measures are as follows:

1. Natural lawn and landscape areas with no supplemental irrigation will be maximized.
2. Low flow toilets will be used in the new homes.