



603 Salem Street
Wakefield, MA 01880
Tel: (781) 246-2800
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Tel: (508) 228-7909

Refer to File No. _____

November 30, 2021

John Scenna, PE, Superintendent
Lynnfield Center Water District
86 Phillips St
Lynnfield, MA 01960

RE: Flow Test

Dear Superintendent Scenna,

In accordance with our previous discussions, we conducted a hydrant flow test at the hydrant at the end of Mohawk Lane, taking the residual pressure at the hydrant in front of 130 Lowell Street. Accompanying this letter, please find a copy of the Hydrant Flow Test Report. The Lynnfield Center Water System in this area is very strong and we recorded a flow of 920 gallons a minute with a head loss of only 2 p.s.i. at 130 Lowell Street, very close to the proposed Vallis Way. With the estimated peak flow of the proposed Vallis Way subdivision less than 10 gallons a minute, with a peaking factor of three, I think it can be concluded that the demand will have little or no effect on domestic flow in the area and the fireflow of 3600+/- gallons per minute at 20 p.s.i. will provide ample fire protection for a typical 2 1/2 story single family home.

I would be pleased to discuss this further, if necessary.

Very truly yours,,

A handwritten signature in blue ink that reads "Peter Ogren".

Peter Ogren PE, PLS

Cc: Emilie Cadamartori

Hydrant Flow Test Report

Test Date 11/30/2021

Test Time 0830

Location

Static - Kennedy K81D at 130 Lowell St
Flow - Dresser 500 at end Mohawk Lane

Tested by

Hayes Engineering, Inc.
603 Salem Street
Wakefield, MA 01880
(781) 246.2800

Witnessed by AMC

Notes

Read Hydrant

45 psi **static pressure**
43 psi **residual pressure**
157 ft **hydrant elevation**

Flow Hydrant(s)

Outlet	Elev	Size	C	Pitot Pressure	Flow
#1	157	2.5	0.80	30	920 gpm

Flow Graph

