



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Planners

February 28, 2013

Planning Board
Town of Barrington
333 Calef Highway
Barrington NH 03825

Re: Trinity Conservation LLC Blast Plan Addendum

Dear Chairman Huckins and Members of the Town of Barrington Planning Board:

The purpose of this letter is to addend the proposed blast program referenced in my letter to the board dated February 22, 2013. We have enclosed a revised proposed blast program in order to minimize vibration levels, prepared by Maine Drilling and Blasting, Inc for the proposed Trinity Conservation Sand and Gravel operation at Green Hill Road.

As such, Maine Drilling & Blasting has detailed a typical blast scenario and corresponding Peak Particle Velocities that may be expected (or as determined by the blasting contractor to maintain vibration (Peak Particle Velocities) acceptable to NH Department of Safety):

Pattern (burden & spacing): 6' x 6'
Borehole size: 3''
Avg. hole depth. (cut + sub drill): 15'
Explosive type: Bulk emulsion
Explosives load: 10'
Stemming load: 5'
Yards/borehole. (minus sub drill): 16 cu/yd.
Total yards (including sub drill): 20 cu/yd.
Max pounds per borehole: 38.92 lbs.
Powder factor: 1.95 lbs. /yd.

Distance(ft.):	150	200	250	300	350	400	450	500	550	600	650	700
Predicted Peak Particle Velocity (in/sec):	.99	.62	.44	.33	.25	.21	.17	.14	.12	.11	.09	.08

The proposed blast plan indicates that the Predicted Peak Particle Velocity at the northerly property line, 700 feet from the nearest blasting, is expected to reach 0.08 inches/second, which well is below the state-regulated limits of 2.0 inches/ second established in Saf-C 1625.04.

All provisions for monitoring and implementation described in my February 22 letter are still in effect. We will modify our plans to incorporate the amended blast protocol. Please do not hesitate to contact me with any questions or comments.

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

Re: Trinity Conservation LLC

27 February 2013
Page 2 of 2

Sincerely,
TFMoran Inc.

A handwritten signature in black ink, appearing to be 'J. Hill', written in a cursive style.

Jason S. Hill
Project Manager