



34 SCHOOL STREET • LITTLETON, NH 03561 • PHONE 603-444-4111 • FAX 603-444-1343 • www.horizonsengineering.com

May 23, 2013

Town of Carroll Planning Board
92 School Street
P.O. Box 146
Twin Mountain, NH 03595

RECEIVED
MAY 9 0 2013
TOWN OF CARROLL

Re: Site Plan Conditions of Approval – Stables Relocation

Dear Board Members,

Pursuant to the three conditions of approval, the following responses are offered.

Condition 1. Information regarding how many horses will be housed during the winter months to be forwarded to the Planning Board.

Six draft horses will be housed at the facility during winter months for sleigh rides.

Condition 2. Information regarding what the plan is for winter storage and removal of manure and how it meets the five (5) month Best Management Practices of NH be forwarded to the Planning Board.

Using the variables provided in the BMP's, the six draft horses at an average weight of 2,000 lbs. will require a manure storage structure at least 4,320 cubic feet in volume to hold six months of manure and sawdust as recommended. The proposed 15'x30'x6' storage pad is 2,700 cubic feet, which translates to a little less than four months of winter storage. A storage pad sized to 20'x36'x6' would accommodate six months of manure storage. Alternatively, Stable Master Luke Thorne has an existing arrangement for removal of manure that the applicant is offering to satisfy Condition 2. Twin Mountain resident Robert Breen (ph. 603-586-7092) has many hay fields in the local area, and would like monthly deliveries of manure so he can build a supply to spread on his fields in the spring. With the manure removed monthly, there would never be more than 720 cubic feet of manure stored on site, and the 2,700 cubic foot pad will be more than properly sized.

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Newport, VT 05855
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White River Junction, VT 05001
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Condition 3. A statement documenting that the property owners will work with the Fire Chief and repair or fix the dry hydrant so that it is operational and reliable be forwarded to the Planning Board.

Omni Director of Engineering, Kolin Bailey has addressed the dry hydrant serviceability and is coordinating with the Fire Chief for verification. Kolin will provide documentation to the planning board separate from this letter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Andrew J. Nadeau".

Andrew J. Nadeau, LS
Chief Operations Officer
Horizons Engineering, Inc.