June 2, 2003

Mr. Charles Teiderman Zoning Administrator Town of Amherst 2 Main Street Amherst, NH 03031

Re: F.W. Webb Company

Dear Charlie:

Pennichuck Water Works, Inc. has reviewed the revised site plan and drainage report for the F. W. Webb Company as prepared by Meridian Land Services, Inc. dated March 13, 2003 and last revised May 28, 2003 with regards to its impact on the watershed and the Pennichuck water system and has the following comments:

- **1. Storm Water Management –** Pennichuck has reviewed the proposed storm water treatment systems for this project and has the following comments:
 - a. The infiltration from the 2-year post development storm equals the infiltration from the 2-year predevelopment storm on site via the use of an in ground leaching system.
 - b. The 10-year post development peak is less than or equal to the 10-year pre-development peak storm water flow.
 - c. Total suspended solids will be reduced at least 80% via the water quality swales.
 - d. Pennichuck recommends the installation of stone check dams at the 1/3 points of the water quality treatment swales #1 through #4 in order to slow the water flow down. Slowing the water flow down will encourage sediment drop, enhance treatment and increase reinfiltration of the storm water. The check dams should be 9" high and be placed across the entire width of the treatment swale.
 - e. The potential for fuel spillage is of great concern. Whereas it is unclear as to whether the groundwater under this project drains into the capture zone of the Bon Terrain well and this data is not currently available we have assumed that surface water and groundwater from this site will flow into the Bon Terrain well. In this light we have reviewed the proposed fuel storage and fill station and believe that it constitutes best management practice and as such provides the best protection available against a potential fuel spill. The addition of a concrete pad with grooves for the on site truck parking will help insure that small oil/fuel leaks from the trucks parked on site will not migrate into the groundwater table. The concrete pad needs to be installed over a properly prepared subbase and must be designed to insure that cracking of the pad does not occur. The pad must be large enough that the entire truck is setting on the pad when the truck is parked.

- f. It is our understanding that the leach fields will only be accepting domestic waste water, with the total anticipated daily volume to be about 3350 gallons per day. It is our understanding that there will be not be any onsite manufacturing of fittings or cutting of threads on site and as such there will be no waste stream into the leach fields that is not domestic in nature. The loading of 3350 gallons per day of domestic waste water does not present any bacterial, viral or nitrate threat to the Bon Terrain well
- g. Fertilizer application should only be allowed on an as needed basis. It should be required that soils be tested prior to any proposed fertilizer application.
- h. Pesticides should only be applied on an as needed basis by State licensed applicators. No pesticides shall be used that contain a SDWA regulated or unregulated, but listed contaminant. No pesticide shall be used that lists as an environmental hazard the potential of groundwater contamination when used on highly permeable soils with shallow groundwater.
- i. The on site monitoring wells should be tested semiannually for SOC's, VOC's and IOC's for two years after the project is completed and fully operational. If all tests are negative or below all Safe Drinking Water Act standards for these tests then the testing schedule could be reduced to the testing schedule required by the Town.

Thank you for your time and consideration in this matter. If you have any questions regarding this letter please do not hesitate to contact me at 598-5311.

Very truly yours,

Donald L. Ware, P.E. Vice President, Engineering

cc: Mr. James Edwards, Meridian Land Services, Inc.

Mr. Scott Thayer, Procon Construction

Mr. Steve Keach, KNA