

Section 16 Water Supply

TABLE OF CONTENTS

16.0 WATER SUPPLY REQUIREMENTS..... 16-1
16.1 Well Location 16-1
16.2 Construction Water Supply..... 16-1

FIGURE

Figure 16-1. Construction Water Supply..... 16-2

ATTACHMENT

Attachment 16-1 Evidence of Water Supply Letter, Goodwin Well and Water, Inc.

16.0 WATER SUPPLY REQUIREMENTS

The only water requirements associated with the proposed Canton Mountain Wind (Project) will be for the operations and maintenance (O&M) building sited off Ludden Lane. The O&M building is anticipated to house a maximum of six employees and will provide bathroom facilities and potable water for the staff. The subsurface wastewater disposal system was designed by Maine Licensed Site Evaluator Albert Frick (Site Evaluator License Number 63), who has estimated the daily design flow for the O&M building at 90 gallons per day. The stamped subsurface disposal system design is included in Section 17 of this application. A private water supply well will be drilled on the O&M building site. Any water supply needed during the construction phase of the Project will be brought in from outside sources (i.e., bottled potable drinking water for construction personnel or water for dust control).

16.1 Well Location

The proposed well for the O&M building will be located near the building with appropriate setback distances from the planned subsurface wastewater disposal system. Maine Geological Survey mapping indicates that there are no significant sand and gravel aquifers underlying the area of the O&M building site (see Figure 15-1 in Section 15 for aquifer map). Adequate water supply for the O&M building can be provided by a small, residential-scale drilled well, and there is a high probability that the proposed drilled well will yield adequate supply for the proposed O&M building. Canton Mountain Wind, LLC (CMW) consulted with a local well driller, Goodwin Well & Water, Inc. (Goodwin), that has well drilling experience in the project vicinity. Goodwin has indicated that a sufficient and healthful water supply is likely to be present in the project vicinity (see letter in Attachment 16-1).

16.2 Construction Water Supply

Although some areas will be treated with calcium chloride and other approved dust control agents, there may be a need for additional non-potable water for dust abatement during construction. If needed, such water will be withdrawn by tanker truck or trailer from the public boat ramp on Wilson Pond in Wilton (approximate coordinates 44.58580 °N, 70.23440 °W; see Figure 16-1). Due to the limited nature of the withdrawal and the size of Wilson Pond, this activity will not change the natural water level of the pond.

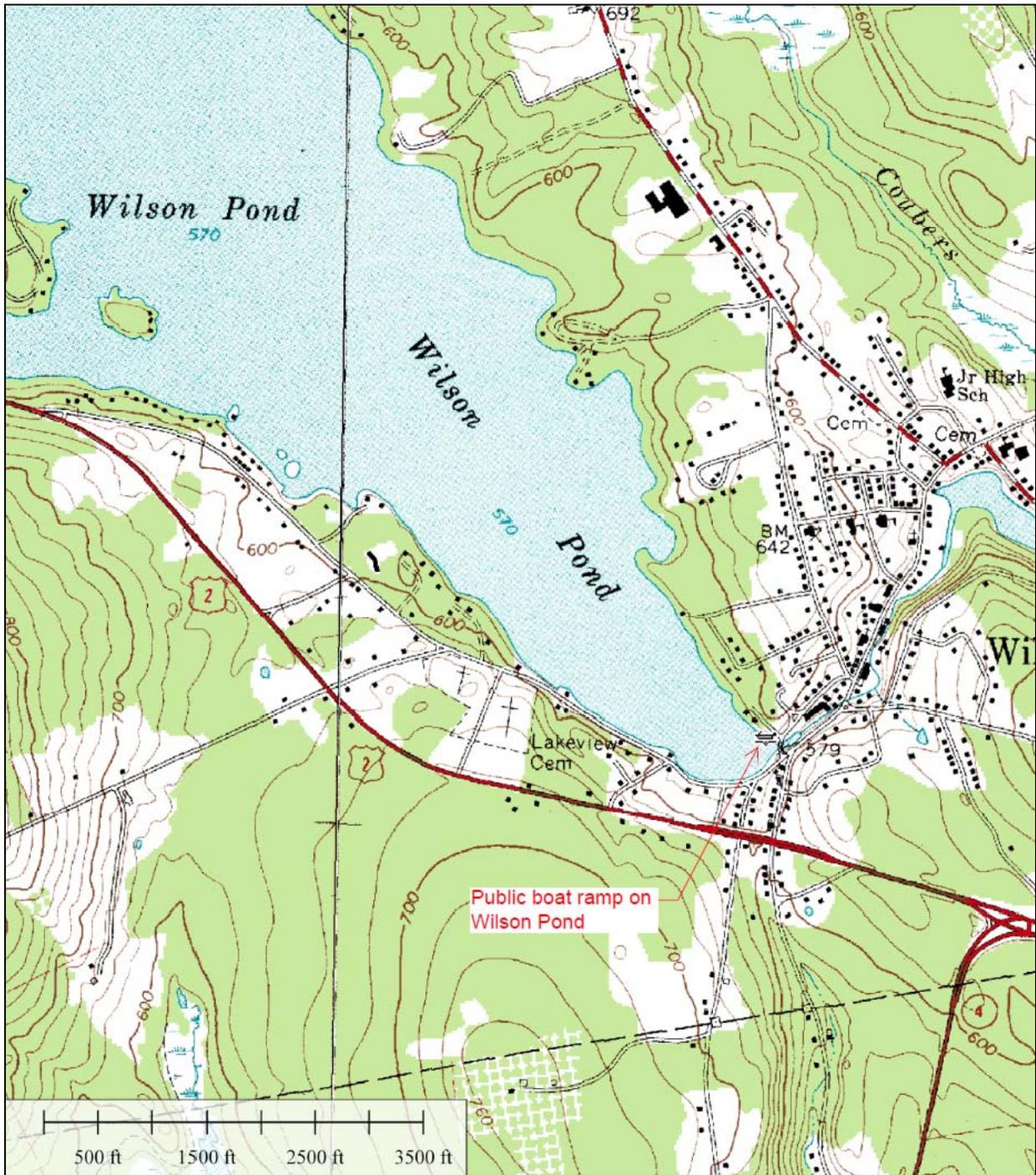


Figure 16-1. Construction Water Supply

Attachment 16-1
Evidence of Water Supply Letter, Goodwin Well and Water, Inc.



Goodwin Well & Water Inc.
From Drilling to Drinking since 1948

September 26, 2011

Patriots Renewables

ATTN: Mike Kelly
mkelly@patriotrenewables.com

Dear Mike,

I have reviewed our well records as well as information published by the Maine Geological Survey with respect to the availability of water to serve the minimal water usage of the Wind Power project in Canton, ME. I understand that the project will require enough water for up to three to four employees, one bath with one shower and a sink as well as a small kitchen, with up to a total of 135 gallons of water a day, located on Ludden Lane.

Wells in this area would obtain water from fractured bedrock aquifers. Based on my research as well as my general knowledge of the area it is my opinion that ground water should be sufficient in both quantity and quality to serve the needs of the subdivision.

Wells in fractured bedrock aquifers are usually consistent with other bedrock wells in the immediate vicinity. However, sometimes there are significant variations over a relatively short distance. Accordingly, my opinion that ground water should be available in adequate quantity and quality should not be considered a guarantee by Goodwin Well & Water, Inc. that in fact water will be available in adequate quantity and quality.

If I can provide any further information please don't hesitate to call me.

Sincerely,

Danny Camire

Danny Camire

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