



Department of Buildings and Facilities
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To: Selectboard
From: Rocky Martin *Rocky Martin*
Date: March 6, 2014
RE: Test well update
Cc: Brad Wainer, Alan and Nancy Norris, Cindy Sprague, Joe Duncan, Renae Marshall, Kayhon Bahar, CJ Hinchman

Two test wells have been drilled, one on the Norris site and one on the Wainer site. Both look promising but require further investigation to determine yield.

Norris site- drilled through 88 feet of clay, 15 feet of gravel and 33 feet of glacial till to bedrock at 136 feet; bedrock is soft so casing is down to 175 feet to solid rock. Considerable amount of water in the gravel/till area just above bedrock and well is overflowing at top of casing. This could be developed into a gravel type well with a screen just above the bedrock layer. Also possibility of drilling an additional well deep into bedrock to see if additional yield and utilizes both wells.

Wainer site- drilled through 40 feet of clay and set casing; continued to drill through competent, solid rock down to 600 feet. Hit considerable amount of water at 230 feet, estimated over 100 gallons per minute.

Next steps- discussion with hydrogeologist Cindy Sprague and well driller next week, Cindy is away on vacation and will return next Tuesday, 3/11. Most likely outcome will be to put a test pump at Wainer site to better determine yield and develop Norris site with well drill rig by surging/ pumping and if it looks promising put in a test pump.

Once we select a site we will need to submit a detailed application to state. Cindy Sprague will prepare most of the application but we will need some engineering assistance. In addition we might need some help during the test well development and in correspondence with the state concerning the NOAV. Attached is an amendment from Aldrich and Elliot to provide those services on an hourly basis for a sum not to exceed \$5,000.

Recommendation: Consider a motion to authorize Rocky Martin to sign Amendment #1 with Aldrich and Elliot for a sum not to exceed \$5,000 to provide engineering services, on an as needed basis, with state correspondence, test well investigations and source permit application in conjunction with additional water source development.