
Re: [External] Re: Richmond VT - Bridge Street Drilling Tomorrow

From Eric Doe <edoe@hoyletanner.com>

Date Tue 7/14/2026 5:04 PM

To Josh Arneson <jarneson@richmondvt.gov>; Stephen Cote <scote@richmondvt.gov>

Cc Kirstin DiPietro-Worden <kworden@hoyletanner.com>; Jon Olin <jolin@hoyletanner.com>

 1 attachment (447 KB)

Richmond VT - Bridge Street PS, Location #2 for Ledge Probes, R2.pdf;

Josh,

I was out of office all last week, so apologies for the delayed response.

These results are indeed good. The "clearest" results we could have gotten were either ledge 6-inches below grade or else practically no ledge. The worst would have been some value in the middle that would have complicated a design at Location 2.

According to some preliminary layout modeling, if the pump station was located at Location 2 (Gary's lot), we would need excavate down to approximately 20' +/- if the station is put near Probe B, and down to 23' +/- if the station is sited at the top of the hill near Probe D.

There appears to be a small hump of ledge near Probe C (may also be a boulder). It's my opinion that we avoid intentional ledge removal at Location 2 on this project given the nearby bridge. In an abundance of caution, DOTs typically implement strict requirements for blasting or hammering of ledge near bridges. Therefore, planning to site the new PS in-between Probe B and C might be the most straightforward plan to design for. The station would need to be designed for floodproofing in this region still as it would not be quite out of the 100-year floodplain (elevation 310.3). The elevation at the mentioned area appears to be 305+.



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From: Josh Arneson <jarneson@richmondvt.gov>
Sent: Friday, July 10, 2026 12:43 PM
To: Eric Doe <edoe@hoyletanner.com>; Stephen Cote <scote@richmondvt.gov>
Cc: Kirstin DiPietro-Worden <kworden@hoyletanner.com>; Jon Olin <jolin@hoyletanner.com>
Subject: Re: [External] Re: Richmond VT - Bridge Street Drilling Tomorrow

Eric,

Thanks. Sounds like this is good news. I think we should take this to the Water and Sewer Commission at their meeting on July 20 to see how they want to proceed.

How much depth do you need for the pump station in this location? Would any of the drilling locations work or are any too shallow? I will also provide the results to Gary.

Josh Arneson (he/him)

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From: Eric Doe <edoe@hoyletanner.com>
Sent: Wednesday, July 1, 2026 8:26 AM
To: Josh Arneson <jarneson@richmondvt.gov>; Stephen Cote <scote@richmondvt.gov>
Cc: Kirstin DiPietro-Worden <kworden@hoyletanner.com>; Jon Olin <jolin@hoyletanner.com>
Subject: Re: [External] Re: Richmond VT - Bridge Street Drilling Tomorrow

Hi Everyone,

Just wanted to provide an update on yesterday's drilling at Gary's property for the proposed replacement pump station. I am told that all went well and there were no issues. No surface restoration is expected to be required either. Gary stopped in and watched for a bit too.

As far as the results, the probes all advanced pretty far given at least my initial skepticism on the site:

Probe A: Refusal at 23.9' deep
Probe B: Clear down to 30'
Probe C: Refusal at 19.9'
Probe D: Clear down to 30'

See attached plan for reference on each probe's location.

Given these results, how would the Town like for Hoyle Tanner to proceed with the Preliminary Design Report? If the Town would like to have this site evaluated and an conceptual design included this Location 2 into the PER, then the first step should be the Town and Gary discussing whether the site is still available for acquisition by the Town for a permanent easement, and what Gary might be looking for in exchange.

Happy to discuss further as needed. I am taking some vacation time beginning tomorrow and I will not be back at my desk until the 13th.