



Town of North Kingstown, Rhode Island

Dept of Water Supply
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Dear Homeowner,

This letter is to provide an update to the status of the public water supply Well No. 3 Replacement project, located in your neighborhood at 591 Gilbert Stuart Road.

- December 9th thru 13th, drilling and installation of the production well 24-inch diameter steel casing to a depth of 78'-6" below grade was completed. This is the first step in the design of the replacement well.
- Based upon the soils encountered and acquired, additional soil samples were obtained and a soil sieve analysis was completed. The purpose of this is to design the well screen and gravel pack for the production well.
- The stainless steel well screen was ordered the first week in January with an anticipated shipping and delivery date of late February. Once received, the date of installation will be scheduled, which is anticipated for the spring of 2025.
- The well construction and development will take two to three weeks from the date the driller remobilizes to the site. Once the well screen installation is completed, some water will be pumped from the well during this period, but at low volumes necessary to clean out sediment and prepare the well for the pump test.
- The Rhode Island Department of Environmental Management has requested that pump testing of the well not occur until mid-July, depending on weather. The purpose of the pump testing is to establish the capacity of the well, and to assess the impacts of the well pumping on the surrounding wetland, ponds, monitoring wells and private wells within a 2,000-foot radius of the replacement well.
- Seventeen monitoring locations have been established within the 2,000-foot radius, including monitoring wells and staff gauges in the stream, wetlands, and Carr Pond. In addition, the Town has agreed to install monitoring equipment in nine private wells located in the 2,000-foot radius.

- Prior to the pump test, the Town's consultant, Wright-Pierce, will install transducers within the wells on the private properties. This equipment will monitor water levels in the wells prior to, during, and after the 5-day pump test. The well testing will not occur until the transducers are installed.
- A letter from the town will be sent prior to the well installation confirming the date of transducer installation to the homeowners of the properties within the wellhead protection area as shown on the attached figure. The letter will include an access agreement for the representatives from the Town to access the property and wells. Only wells which are readily accessible can be monitored.
 - Water quality samples will be taken prior to the transducer installation as well as after installation. Samples will be analyzed for bacteria and fecal coliform.
- Wells will be monitored for at least one week prior to the 5-day pump test, during the pump test, and for at least a week after the pump test is completed (weather dependent).
- Once the pump testing data is completed, the hydrogeologic modeling will be developed. This will determine the impact of the pump testing on the below grade aquifer. The modelling is not likely to be completed until two to three months after the testing is completed.
- This data will then be developed into a preliminary report which will be shared with the Town for review prior to submission to RIDEM. The data will determine the pumping rate for the replacement well.

Thank you and talk with you soon.

Sincerely,

Alan Austin

Director of Water

