

EXHIBIT A-8
(Michael Gray Memo)

**Town of
Jamestown, Rhode Island**

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Date: February 13, 2023

To: Board of Water and Sewer Commissioners

From: Michael Gray
Public Works Director

RE: Water Extension Application
East Shore Road

We have received four applications for water services that will require an extension of the 8" watermain within East Shore Road in the Rural Water District. The following applications have been received:

1. Jeffrey and Deborah Saletin, 14 Seaview Avenue
2. Glenn and Marjorie Andreoni, 10 Seaview Avenue
3. Stephen Zimmiski & Suzanne Gagnon, 7 Seaview Avenue
4. Paul Frechette, 19 Seaview Avenue

Applications for water service were previously received for 10 Seaview Avenue and 14 Seaview Avenue and were denied by the Commission in 2021. Applications for 7 Seaview Avenue and 19 Seaview Avenue are new requests for water service.

I have attached a figure indicating where the existing 8" water line terminates in East Shore Road and the extension that will be installed as part of the agreement with the property owner of 68 East Shore Road. The four properties requesting water service are located to the north of 68 East Shore Road and are outlined in red. A watermain extension will be required if any of the applications received are approved.

Applications

The following is a summary of each of the four applications that have been received. The four lots are neighboring each other and they should be reviewed individually. Each owner will be required to present their application with supporting information to the Commission.

Jeffrey and Deborah Saletin, 14 Seaview Avenue

The Owners have stated in the application that the existing well on the property has an existing yield of 1.5 gallons per minute with poor water quality due to total dissolved solids (TDS) between 1200 and 2100 mg/l. Last year the existing well ran dry on two occasions and J Lemme Wells and Water Systems were called to service the well. A copy of the invoice from J Lemme for the two service calls was provided by the applicant. A note on the invoice indicates that the well was found to be dry and that the recovery rate was insufficient to run reverse osmosis treatment.

Glenn and Marjorie Andreoni, 10 Seaview Avenue

The Owners are requesting water service to their property due to poor water quality and yield from their existing well. They have provided a report from North East Water Solutions, Inc. regarding an inspection of the existing well conducted in December 2023. Conclusions of the testing indicate the existing well had a yield of 0.6 gpm. Analytical results from a water sample collected from the well indicate the presence of TDS at 2220 mg/L indicating the well is impacted with salt water.

North East Water Solutions evaluated two alternatives for water supply on the subject property. Increasing the yield from the well through hydro-fracking and drilling of a new well. Hydro-fracking was not implemented due to limited fracturing of the bedrock within the well and the risk of degrading the water quality due to salt water intrusion. Drilling a new well was disqualified due to onsite wastewater system locations, road offset requirements, and that the property is located in a flood zone due to the elevation relative to the bay.

North East Water Solutions also investigated options for onsite treatment of the existing well. They concluded that there is insufficient well yield to support a treatment system.

Paul Frechette, 19 Seaview Avenue

The Owner is requesting water service to their property based upon the existing well capacity. He has indicated that the well runs dry when washing clothes and outdoor water use. There is no supporting information provided with the application.

Stephen Zimniski & Suzanne Gagnon, 7 Seaview Avenue

The Owners are requesting water service to their property based upon the operation of the well. A report was provided from Wellworks LLC indicating that the water flow (yield) does not meet state requirements and that a 500 gallon storage tank be installed.

I have provide the following information to assist the Commissioners with their review.

The Rules and Regulations for the Board of Water and Sewer Commissioners, May 2009

Section 14 B Rural Water Districts. All service connections in the Rural Water District shall be subject to the following conditions:

- a. Shall be subject to the requirements described for connections in the urban district
- b. The applicants shall show to the satisfaction of the Commission that the proposed service connection requested:
 1. Is Consistent with the Comprehensive Community Plan
 2. Will not impair the available resources of the Urban Water District;
 3. Will not reduce the level of fire protection of the community; the property shall not be part of a major subdivision.
 4. Extensions to and within the rural district shall be prohibited.

The regulations allow the Board of Water and Sewer Commissioners from making such improvements, including extensions, which shall, in the opinion of the Board, improve the quality or quantity of water furnished to existing water uses.

R.I.G.L 46-15-2 Approval of public water supply facilities

I have attached a copy of the RI General Law 46-15-2 relating to the approval of water supply facilities. This law was amended in June 15, 2022 as highlighted in blue. The law requires that commission review applications for extension mains with the standards as listed in 1 through 7.

RIDOH – Reading your Water Analysis Report

I have attached information from the RI DOH regarding private well water lab reports. This information was made available to the public to educate homeowners about well testing and the standards for water quality. Tables are included that provide the maximum contaminant levels and standards for each parameter that may be tested by the lab.

RIDEM – Appendix C - Rules and Regulations Governing the Enforcement of Chapter 46-13.2 Relating to the Drilling of Drinking Water Wells.

I have attached Appendix C from the rules that provides the minimum criteria for yield based upon the minimum depth of a bedrock well.

The four properties are located in the Rural Water District and do not front an existing watermain therefore an extension will be required. Section 14 b of the Rules and Regulations of the Board of Water and Sewer Commissioners prohibit extensions in the rural water district. The Regulations allow the Commissioners the ability to approve an extension if it is found to improve the quality or quantity of water to existing users. RIGL 46-15-2 includes standards for which applications must be reviewed by a water supplier.

The application for 10 Seaview Avenue includes background information prepared by a professional engineer in the field including well water testing data. The owner at 14 Seaview Avenue has hired the same professionals but a report has not been provided to support the application at this time. Applications for 7 and 19 Seaview did not include supporting information but both owners have stated they experience similar conditions with their well having low yield.

The four applications before the board have applied for a connection based upon inadequate well yield. Two applicants have also provided water testing information indicating that well water quality is poor. Options to resolve the water quantity and quality issues that involve hydro-fracking, well drilling, and onsite water treatment systems may not be feasible as the report indicates for 10 Seaview Avenue. The well inspection and pumping report for that property shows bedrock/geologic conditions produce limited yield to meet well industry standards. Laboratory reports that have been submitted show total dissolved solids detected in wells indicating salt water is impacting groundwater conditions. But low well yield impacts the ability for onsite water treatment to improve water quality.

We have been involved over the past several months in updating the Water System Supply Management Plan including a Build-Out analysis for submission to the Water Resources Board. This update includes an analysis of current and projected water demands within the water district and a review of available water supply in the system. Watermain extensions outside of the current water district limit was not part of this analysis when determining future demand on the available water supply. The current supply does not produce enough water to meet maximum day demands presently. Forecasted data indicate that average day demand at build-out within the existing district exceeds the available capacity of our reservoir and well. Extensions of watermain outside of the district boundaries will place additional demand stress on the limited supply not factored into the build-out analysis.

The attorney states in the application for 10 Seaview Avenue that their application is for one house and no other. Presently the Commission has three applications from neighboring properties claiming similar conditions with their well. The Commission may not be able to make a decision in a vacuum for one property owner. Watermain extensions must not be completed incrementally on the same street in the same neighborhood. Extensions if approved must be planned and limits must be set.

