

December 16, 2020

Ms. Carla DeStefano - Executive Director
Stop Wasting Abandoned Property
439 Pine Street
Providence, RI 02907

Re: **Water System Suitably Review**
Victory Woods Development
West Greenwich, RI
Pare Project No.: 03081.01

Dear Ms. DeStefano;

On behalf of Stop Wasting Abandoned Property (SWAP), Pare Corporation has prepared this letter regarding the suitability of the proposed water system upgrades (Public Water System No. 2814410) to serve the proposed Victory Woods housing development and Blueberry Heights mobile home park.

Over the last 15 years, Pare has worked with SWAP to design upgrades to the public water system at this location. In 2012, the Rhode Island Department of Health (HEALTH) approved Pare's plans and specifications for the project, which depicted upgrades and new water system infrastructure to provide potable water to the existing mobile home facility and to 50 proposed three-bedroom single family homes (150 new bedrooms). The design flow for the combined existing and proposed development was estimated to be 23.7 gallons per minute (8.1 gpm for existing Blueberry Heights customers and 15.6 gpm for the proposed Victory Woods development).

It is Pare's understanding that the plan for the proposed Victory Woods development has changed since 2012. Currently, the plan for Victory Woods is to build 12 four-unit buildings with a total of 72 bedrooms. These units would be veterans housing or age-restricted housing. As such, it is expected that the design flow for the proposed development would be less than previously proposed. Instead of 15.6 gpm, the design flow for the proposed development would be 7.5 gpm¹. The proposed change in development represents an approximately 50% reduction in the new design flow for Victory Woods.

The original design concept for the proposed system upgrades may change slightly as a result of the reduction in system demand. However, it is the opinion of Pare that the original water system design, with some minor changes, would be suitable for the current Victory Woods proposal.

¹ Based on the HEALTH Division of Drinking Water Quality Guide for Small Public Drinking Water System Design guidance document, which provides a water use rate of seventy-five (75) gallons per person per day for single residences and multiple family dwellings. This calculation assumes each unit has two (2) persons per bedroom.



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If you have any questions, please do not hesitate to contact me at (401) 334-4100.

Sincerely,

Timothy P. Thies, P.E.
Senior Vice President

TPT/SPD/abv

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