

May 12, 2021

Mr. John Mainini
Director of Operations
Milford Sewer Department
230 South Main Street
Hopedale, MA 01747

Re: The Residences at Stone Ridge - Phase II

Response to Sewer Department Comments

SMMA No. 19162

Dear Mr. Mainini:

On behalf of our client, The Gutierrez Company (TGC), SMMA has prepared the enclosed revised documents responding to the Sewer Departments comment to relocate the emergency storage tank out of the roadway and on Gutierrez property.

Attached with this letter is the revised Sewer Department Review package complete with pump station calculations, pump technical data, and other supporting documentation along with drawings of the proposed sewer collection system, pump station retrofit, and installation of two new 12,000 gallon emergency storage tanks.

In summary, the Fairfield pump station (under construction) was approved to include a pump of 7.5 horsepower. The proposed new system will require the pumps in the original pump station and the Fairfield pump station to be upsized to a 14 horsepower pump in each. The pump stations will be connected by an equalizer pipe so the two pump stations will function as a single station.

In order to meet the 6-hour storage requirement two new 12,000 gallon tanks are proposed. The new tanks have been angled as per prior comment. New tanks provide 6.69 hours of storage. Based on the maximum future daily flow of 118,483 gallons per day, 6 hours of storage equates to 29,620 gallons of storage. The proposed system includes a volume of storage of 33,041 gallons above elevation 289.5, which allows for 2 feet of available elevation above the current "pump on" elevation for future adjustments of floats if necessary, as suggested by the Sewer Department.

It is important to note that under the post construction condition of phase two (not including future development of 21,120 gallons per day) there will be approximately 8.1 hours of storage.

We look forward to discussing this information with the Town of Milford Board of Sewer Commissioners and their consultant, Tata & Howard. If you have any questions, please feel free to contact me at 617-520-9210 or wpark@smma.com.

John Mainini

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Very truly yours,

SMMA

A handwritten signature in blue ink, appearing to read "William Park", is positioned above a horizontal line.

William Park, PE
Senior Associate | Civil Engineer

cc: Israel Lopez - The Gutierrez Company, Peter Glick - SMMA, (MF)

enclosures: Sewer Department Review package including Technical Report and Drawings

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