

June 20, 2025

Chad Armstrong, Assistant Fire Marshal (FM 102)
Stamford Fire Department
888 Washington Blvd. 7th fl
Stamford, CT 06901

Re: Application 225-12 - ESS PRISA LLC, 35 Commerce Road, Stamford CT

Dear Mr. Armstrong:

We are in receipt of your comments in an email dated May 19, 2025, regarding the above noted project. Our responses are shown below in ***bold italic*** type and are as follows:

1. Curb Cuts appear to be good for both Entrances from West Main Street and Commerce Road (noting the 2-Way Traffic from West Main to Commerce Road).

Response: Noted.

2. The Fire Marshal Office requires a 16th minimum Clear Width for Fire Apparatus on 1-Way Travel.

Response: One-way drive isle has a minimum clear area of 19'.

3. Low Profile curbing and Reinforced concrete required at all turns around the Storage Facility.

Response: Curbing has been updated to be mountable and reinforced for fire apparatus turning movements around site.

4. Hydrant locations within the facility? (Outside Facility Hydrants appear to be over 200 ft from nearest FDC for this project and will require a discussion.) May require a hydrant installed at Entrance to facility on Commerce to meet the code to be within 100 ft of a FDC.

Response: Hydrant has been added near entrance of site off of Commerce Road. See plan C3.00 for location.

5. FDC (Fire Department Connections) are not identified on site plan map and will require (2) FDC installations on the site (Locations to be discussed)

Response: Fire department connection are shown on the utility plan (C3.00) per discussion on My 28th, 2025.

6. Please verify what size Fire Service Main is coming into the Storage Facility.

Response: Existing onsite fire service size is unknown at this time. Per discussions with Aquarion Water, Harvard Ave. contains a 12” main and Commerce Ave. contains an 8” main. Additionally, fire flow testing has been preformed by Aquarion water on June 9th, 2025. Result are attached to this letter.

7. Will the Storage Facility have Access Gates installed? (Will discuss use of Knox Box and/or Key Fobs).

Response: There are existing gates onsite. Emergency services will be given an access code for use in emergencies.

We trust this addresses your concerns. Should you require additional information, please call me at 203-608-2438.

Sincerely,

Kevin Hixson
Senior Project Manager

Aquarion Water Company Fire Flow Test

Test Location: STAMFORD, CT

Test Date: 06/09/2025

Test Time: 09:30 PM

Flow Hydrant: 1759 Location: Commerce Rd Opp#58 (near Shoprite)

Flow Hydrant Parameters:

Main Size:	8"
Pipe/Nozzle Diameter:	4.0 Diffuser inches
Pito Pressure:	13 psi
PSI Before:	78 psi

Residual Hydrant: 1758 Location: Commerce Rd Opp#44

Residual Hydrant Parameters:

PSI Before:	74 psi
Residual During Flow:	44 psi
PSI After:	74 psi
PSI Drop:	30 psi

Test Results:

GPM Available: 1,550

GPM @20 psi: 2,128

Test Performed By: JP&NICKD

NOTE: Static Pressure readings are actual, and test results are not corrected for elevation differential.

Test Method: Calibrated Orifice

Disclaimer: This data represents system conditions on the date and time that the test was performed. System conditions may vary significantly throughout the year. The design of new water service installations and the identification and gathering of all necessary data is the sole responsibility of the Developer or his representative. In all instances, the water service designer should apply engineering judgment to ensure proper design. Aquarion Water Company does not guarantee the accuracy of this data.

