



MEMORANDUM

May 5, 2025

Alex Berardo, Principal Planner
1670 Flat River Road
Coventry, Rhode Island, 02816

RE: *Coventry Self Storage Water Pressure Memo*
1920 Nooseneck Hill Road, Coventry, Rhode Island

This memo is associated with the proposed expansion (a 3-story, roughly 75,000 GSF building) to the existing self-storage facility at 1920 Nooseneck Hill Road. In response to comments from the town related to the proposed development and existing conditions of low water pressure in the area, Kimley-Horn proposes the installation of a booster pump to provide adequate water pressure for service to the new building. The available water pressure from the main of 34 psi (78.5 FT H₂O) and a building height of 30 feet, resulting water pressure for the building would be approximately 21 psi (48.5 FT H₂O), not including pipe friction losses to the highest plumbing fixture. With a code-minimum of 15 psi to common plumbing fixtures and 20 psi to flush valves, it is our recommendation that a booster pump should be installed.

Thank you,

A handwritten signature in black ink that reads "Daniel Berger".

Dan Berger, PE

Kimley-Horn and Associates, Inc.