



DiPrete Engineering

February 3, 2025

125 Hope St, LLC
c/o NDL Designs
148 Thayer Drive
Portsmouth RI, 02871

RE: 125 Hope Street – Existing Building Elevation Summary
Bristol, Rhode Island
Project #: 0644-045

Dear Ms. Laurienzo:

In August of 2024, DiPrete Engineering performed a boundary and topographic survey of the above referenced subject property. The site is located within a Special Flood Hazard Area (VE wave velocity zone, Base Flood Elevation = 14.0). This was determined by consulting FEMA Flood Map panel no. 44001C0014H, bearing an effective date of July 7, 2014. The existing elevations on the lot are all below this Base Flood Elevation. On January 20, 2025, additional floor elevation detail survey work was performed. This survey focused on obtaining the lowest floor elevation (basement slab) and other existing structural elements.

The enclosed figures summarize these elevations. The site plan figure lists the obtained existing lowest floor, bottom of existing joists, top of foundation and existing first floor elevations of the existing main structures. These elevations are summarized below. The second figure has pictures of the existing front and rear of these buildings with lines superimposed on them representing the existing Base Flood Elevation and proposed future finish floor elevations to show the impact on the existing buildings.

	Central Main Building	Eastern Building
Basement Slab Elevation	6.3	5.9
Top of Foundation Elevation	13.4	13.3
Bottom of Joist Elevation	13.5	13.5
First Floor Elevation	14.5	14.4

This shows that the lowest horizontal structural member (joists at elevation 13.5) is approximately 18 inches below the building code requirement to be at least a foot above the base flood elevation ($14.0 + 1.0 = 15.0$). Also, the existing mechanical systems that are in this lower area, while slightly elevated off the basement floor (mechanicals at approximately elevation 7.0), are still well below the base flood elevation by at least 7 feet.

If you have any further questions on this matter, please feel free to contact me at your earliest convenience.

Sincerely,
DiPrete Engineering Associates, Inc.

Michael Gavitt, PLS, LLS
Senior Survey Project Manager
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Enclosure: Figures summarizing elevations