

**Compensatory Storage Narrative
Proposed Landscaping Materials Storage Area
83 Camp Avenue, Stamford, CT
September 11, 2023**

The property is situated south of Camp Avenue in between the intersection of Camp Avenue & Highview Ave and Camp Avenue Garland Drive in Stamford. Parcel area is equal to approximately $0.508 \pm$ acres. The entire property is currently asphalted and sloped southwards towards the southern property line and onto Springdale Brook.

A volume calculation to satisfy compensatory requirements per section 15.B.4a(7) and (8) was prepared (see attached calculation). Based on the calculation, the volume of the old building that was demolished is greater than the stockpile and retaining wall volumes; hence, the water holding capacity of the flood plain as designated on the Flood Insurance Rate Map (FIRM), has not been reduced such that a compensatory storage is not required.

The proposed activity is depicted on the plan titled "Site Development Plan ", sheet C-2.0, dated September 11, 2023.



JOSEPH F. RISOLI, P.E., M.ASCE
President

VOLUME CALCULATION TO SATISFY COMPENSATORY REQUIREMENTS PER SECTION 15.B.4.a.(7) AND (8)

| <i>VOLUME CALCULATION</i> | | |
|-----------------------------|-------------------|-------------|
| LOT AREA | 0.500 ACRES | 21,792 S.F. |
| AE ZONE | BFE = 76.0 | |
| OLD BUILDING (PER GIS 2016) | 3574 + 175 SQFT | |
| | VOL = 20,714 CUFT | |
| TOP SOIL | 5,260 | |
| SAND/GRAVEL | 305 | |
| MULCH AND DEBRIS | 3560 | |
| SHED & SHIPPING CONTAINER | 1800 | |
| RETAINING WALLS | 7460 | |
| TOTAL VOLUME | 18,385 | |
| DIFFERENCE | 2,329 | |

NOTE: SINCE THE VOLUME OF THE OLD BUILDING THAT WAS DEMOLISHED IS GREATER THAN THE STOCKPILE AND RETAINING WALL VOLUMES; HENCE, THE WATER HOLDING CAPACITY OF THE FLOODPLAIN AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP (FIRM), HAS NOT BEEN REDUCED.

Volume of Triangular Prism

$$V = \frac{1}{2} bhl$$

