

STONEFIELD

WATER DEMAND & SANITARY FLOW CALCULATIONS

RE: Peninsula View Urban Renewal, LLC.
Proposed Residential Development
Tax Block 411, Lot 2.01
75-87 East 31st Street
City of Bayonne, Hudson County, New Jersey

DATE: December 5, 2025

PROJECT ENGINEER: Afton Savitz, PE
New Jersey Professional Engineer License #57674

WATER DEMAND CALCULATIONS

Per N.J.A.C. 7:10-12.6 “Table I: Average Daily Water Demand”, the projected average daily water demands for a low and mid-rise one-bedroom and low and mid-rise two-bedroom are 95 GPD and 140 GPD per unit, respectively.

Low and Mid-Rise, One-Bedroom: (95 GPD/Unit) x (119 Units) = 11,305 GPD

Low and Mid-Rise, Two-Bedroom: (140 GPD/Unit) x (46 Units) = 6,440 GPD

Projected Total Water Demand = 11,305 GPD + 6,440 GPD = 17,745 GPD

PROJECTED SANITARY SEWER FLOW CALCULATIONS

Per N.J.A.C. 7:14A-23.3(a) “Projected Flow Criteria”, the projected average sanitary sewer flow for a one-bedroom unit and two-bedroom unit are 150 GPD per unit and 225 GPD per unit, respectively.

Residences, One-Bedroom: (150 GPD / Unit) x (119 Units) = 17,850 GPD

Residences, Two-Bedroom: (225 GPD / Unit) x (46 Units) = 10,350 GPD

Projected Sanitary Sewer Demand = 17,850 GPD + 10,350 GPD = 28,200 GPD