



WATER & SEWER DEMAND CALCULATIONS

RE: 522 Valley Estates, LLC
522 Valley Road Clifton, NJ

DATE: February 24, 2023

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 demand for a townhouse development with (20) 3-bedroom units is 210 gallons per unit per day.

Projected Water Demand = (210 Gallons / Unit)(20 Townhouses) = 4,200 GPD

SANITARY SEWER PROJECTED FLOW CALCULATIONS

Per N.J.A.C. 7:14A-23.3(a) "Projected Flow Criteria", the projected average flow for a townhouse development with (20) 3-bedroom units is 300 gallons per unit per day.

Projected Sanitary Flow = (300 Gallons / Unit) (20 Townhouses) = 6,000 GPD