

WATER DEMAND
CALCULATIONS

for

PROPOSED
MIXED USE BUILDING
522-526 PARK AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

MARCH 11, 2020

FRANK H. LEHR ASSOCIATES
CONSULTING CIVIL ENGINEERS
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A handwritten signature in black ink, appearing to read 'R. Adelsqhn', is written over a horizontal dashed line.

RICHARD J. ADELSQHN
Professional Engineer
NJ License 35233

WATER DEMAND CALCULATIONS

Proposed Development

In accordance with N.J.A.C. 5:21-Table 5.1:

Studio Units	
6 Units * 120 gpd/unit =	720 gpd
Two Bedroom Units	
8 Units * 175 gpd/unit =	1400 gpd
Stores and Shopping Center (Gross Area)	
2,455 SF * .125gpd/SF=	307 gpd
TOTAL PROPOSED FLOW=	2,427 gpd
Peaking Factor = 3.0	
PEAK WATER DEMAND =	7,281 gpd