



4983.002
August 6, 2020

Sanitary Sewer Calculations
527 North Avenue
Plainfield, NJ

The site is currently used as a food distribution on the first floor and warehouse for the top 3 floors. It is proposed that the first floor would remain unchanged but the top 3 floors would be used as classroom/training for a hospitality school.

In accordance with NJAC 7:14A-23.3, the flows associated with the change to the top 3 floors is as follows:

Current Usage:

Warehouse:

Flow = 25 gpd per person per 8 hour shift

15 employees per floor x 3 floor = 45 employees

Total Flow = 45 employees x 25 gpd/emp = 1,125 gpd

Proposed Usage:

School: No shower and no cafeteria

Total Students = 35

10 gpd per student

Total Flow = 35 students x 10 gpd/student = 350 gpd



Brian P. Murphy
Professional Engineer
NJ License No. 42000