

**SANITARY SEWER CONNECTION
SUMMARY REPORT**

**FOR
“Delamar Residences”**

**LOCATED AT
68-70 SEAVIEW AVENUE
STAMFORD, CONNECTICUT**

**PREPARED FOR
SEAVIEW HOUSE, LLC**

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SECTION I: Introduction

The purpose of this report is to summarize the impacts that the proposed development will have on the City of Stamford sanitary sewer system.

The proposed development will consist of the remodeling of the existing office building into a mixed-use residential apartment and office building. The remodeled building will continue to use the existing 8-inch sanitary sewer lateral that services the property. The existing marina office building on the property will remain under proposed conditions and will continue to be operated under its current use. Therefore, the marina office building has been omitted from the analysis in this report, as there will be no change in its contributing sewer flow, as compared to existing conditions.

The following is a summary of the contributing sanitary sewer flows from the main building under both existing and proposed conditions in order to determine the proposed impact to the City's sanitary sewer system from the proposed development.

SECTION II: Sanitary Sewer Connection

Existing Contributing Flow Computations:

The existing building consists fully of office space. The following computations were performed in order to determine the contributing sanitary sewer design flow from the existing building to the sanitary sewer main in Seaview Avenue. The contributing flow for the office building is based on the square footage of the office space and its associated number of employees.

Existing Office Space:

Typical approximate number of employees = 340

Discharge quantity per employee per day: 20 gpd

340 employees x 20 gpd/employee = 6,800 gpd

Existing Total Commercial/Office Space Design Discharge = 6,800 gpd

Proposed Contributing Flow Computations:

The proposed remodeled building will consist of a combination of both commercial office space and 52 residential apartment units. The following computations were performed in order to determine the contributing sanitary sewer design flow from the proposed remodeled building to the sanitary sewer main in Seaview Avenue. The contributing flows for the residential apartments are based on the number of bedrooms. The contributing flow for the office space is based on the square footage of the office space and its associated number of employees.

Proposed Residential Units:

Proposed number of 3+ bedroom units = 4

Proposed number of 2 bedroom units = 35

Proposed number of 1 bedroom units = 13

Discharge quantity per capita per day: 75 gpd

4 x 3 bedrooms x 2 persons x 75 gpd = 1,800 gpd

35 x 2 bedrooms x 2 persons x 75 gpd = 10,500 gpd

13 x 1 bedroom x 2 persons x 75 gpd = 1,950 gpd

Proposed Total Residential Design Discharge = 14,250 gpd

Proposed Office Space:

Area of Commercial/Office Space = 6,800 s.f. (approximately)

(Average of 200 s.f. gross area/person), per employee = 20 gpd

(6,800 s.f.) / (200 s.f./person) = 34 (use 34 employees)

34 employees x 20 gpd/employee = 680 gpd

Proposed Total Commercial/Office Space Design Discharge = 680 gpd

Combined Proposed Total Design Discharge = 14,930 gpd

Increase in Total Design Discharge:

Increase = (proposed total design discharge) - (existing total design discharge)

Increase = 14,930 gpd - 6,800 gpd = 8,130 gpd

Increase in Total Design Discharge = 8,130 gpd