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February 6, 2023

Mr. Joe L. Gomez, P.E.
Department of Public Works Director
City of Miami Beach
1700 Convention Center Drive
Miami Beach, Florida 33139
T: 305.673-7030
joegomez@miamibeachfl.gov

Re: 663 Alton Road Development (Folio No. 02-4203-009-8540 and 02-4203-009-8530)
Water Demand Calculation and Fire Flow Requirements

Dear Mr. Gomez,

Please be advised that the above referenced proposed project is composed of a two-story building with a Miami-Dade County Library on the first floor and a Health Clinic on the second floor. Below is the outline of the proposed water demand loads:

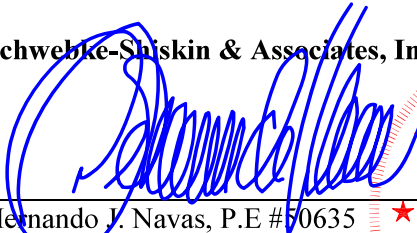
- **8,313 square feet (SF) of Library @ 10 gallons/day (GPD)/100 SF = 832 GPD**
- **14,132 SF of Clinic @ 20 GPD/100 SF = 2,826 GPD**
- **The irrigation demand is estimated to be 135 GPD**
- **The fire demand will be 300 GPM (Fire Pump)**

Based on current Miami-Dade WASD flow generation/demand chart, this development will require a total water demand (domestic and irrigation) of **3,793 GPD** and a fire flow requirement of **300 GPM (system pump)**.

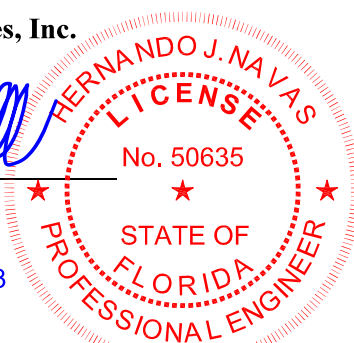
Please refer to the submitted civil sheet C-2 where the preliminary water & sewer plan for the proposed development can be found. Please review and provide acceptance of the proposed points of connection to the City's system along 7th Street and Lennox Court.

Sincerely,

Schwebke-Shiskin & Associates, Inc.


Hernando J. Navas, P.E. #50635
Principal CA#87

02/06/2023



This item has been digitally signed and sealed by
Hernando J. Navas on the date adjacent to the seal.

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signed and sealed and the signature must be
verified on any electronic copies.



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Re: 663 Alton Road Development (Folio No. 02-4203-009-8540 and 02-4203-009-8530)
Sanitary Sewer Flow Generation Calculation

Dear Mr. Gomez,

Please be advised that the above referenced proposed project is composed of a two-story building with a Miami-Dade County Library on the first floor and a Health Clinic on the second floor. Below is the outline of the proposed sanitary sewer loads:

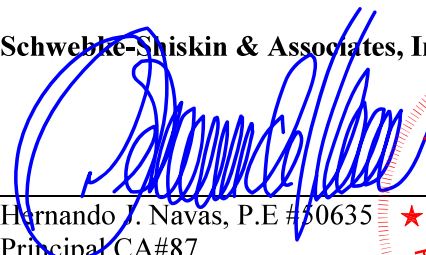
- **8,313 square feet (SF) of Library @ 10 gallons/day (GPD)/100 SF = 832 GPD**
- **14,132 SF of Clinic @ 20 GPD/100 SF = 2,826 GPD**

Based on current Miami-Dade WASD flow generation/demand chart, this development will generate a total sanitary sewer load of **3,658 GPD**.

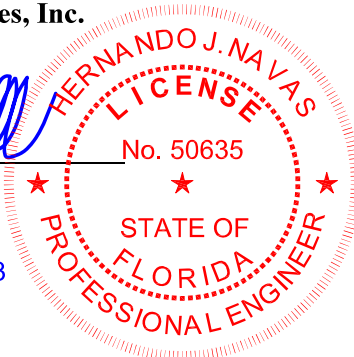
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