



Donolli Associates Engineering, PLLC
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7401 Harding Avenue

Comment:

1. Since this is a mixed-use commercial property, an analysis of the water and sewer system may be required prior to connecting to the City's Utility Infrastructure to confirm if the system can accommodate the additional flows proposed by the increased demand from the site. Submit the following information to: AaronOsborne@miamibeachfl.gov.

A. Demand flows in a signed and sealed letter (by a Florida PE) for each property (if multiple sites).

i. Commercial Water Demands

ii. Residential Water Demands

iii. Fire Flow Demand

iv. Irrigation Demand

B. Flow greater than 10,000 GPD will require a hydraulic model to be performed on the water and sewer system.

Response:

Water Report

Levels	Use	Floor Areas	Units	(GDP)	Gallons Per Day (GPD)
Level 1	Retail	3,951 SF	10gpd / 100 SF	10	= 395 GPD
Level 2	Parking	----			
Level 2	Townhome	14,997 SF	8 units	165	= 1,320 GPD
Level 3	Office	12,935 SF	5gpd / 100 SF	5	= 647 GPD
Level 4	Office	12,935 SF	5gpd / 100 SF	5	= 647 GPD
Level 5	Office	12,935 SF	5gpd / 100 SF	5	= 647 GPD
Rooftop	Amenities	564 SF	20gpd / 100 SF	20	= 113 GPD
Sub - Total Gallons Per Day					= 3,768 GPD

Irrigation Demand = 75 GPD

Total Flow Demand = **3,843 GPD**

Fire Flow Demand provided by Fire pump at 750 GPM.

Should you require any additional information, please do not hesitate to call.

Regards,



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