SEWER ENGINEER'S REPORT
& SEWER EXTENSION REPORT

563 New Scotland Avenue
Mixed Use Project

CITY OF ALBANY
COUNTY OF ALBANY
STATE OF NEW YORK

Applicant: Jankow Companies

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DESCRIPTION OF INTENDED SITE DEVELOPMENT AND USE

Under the current applications the Applicant is proposing one 5 story mixed use building, a 4 story apartment building with two towers extending from a common parking garage and a 2 story apartment building. Driveway, parking lot, sidewalks, landscaping, and stormwater detention will be provided.

SEWAGE GENERATION

The existing site is currently developed. To establish sewage flow generation, the New *York State Design Standards for Intermediate Sized Wastewater Treatment Systems (March 5, 2014)*[1] is used to compute the Average Daily Flow. Based upon 110 GPD per bed (Method 1: Typical Per-Unit Hydraulic Loading Rates), with an estimated 240 beds in 188 units. Also, a total of 150 seats as is proposed in restaurant/coffee shop facilities and 6,487 Square Feet of Retail Space. All flow is from the site is routed through the on-site pump station instead of splitting the flow and having the 5 story building on New Scotland Avenue tributary to another combined sewer on New Scotland Avenue. All uses on the site generate an estimated 32,299 GPD or an average flow of 22.4 GPM of sanitary waste. Peak sewage flow generation is estimated at 400% of average flow or 89.7 GPM. This is equivalent to 0.20 CFS.

		Total Bed Rooms	Unit	Usage/per unit (GPD)	Source of Data*	Total Usage (GPD)
Total Apartments/ Bed Rooms	188	240	# of BdRm's	110	Table B-3, Pg. B-16	26400
Restaurant Seats	150		# of Seats	35	Table B-3, Pg. B-20	5250
Retail Space (SF)	6487		SF	0.1	Table B-3, Pg. B-19	649
			Total Daily Usage			32299
			Average Flow (GPM)			22.4
			Peak Flow (GPM)			89.7
			Peak Flow (CFS)			0.20

* Source New York State Design Standards for Intermediate Sized Wastewater Treatment Works, NYSDEC, March 5, 2014

Fig. No. 2 – Sewage Generation from entire site of 563 New Scotland Avenue Mixed Use Project`