

CITY OF NEWTON
Department of Public Works
ENGINEERING DIVISION

MEMORANDUM

To: Alderman Mark Laredo, Land Use Committee Chairman

From: John Daghlian, Associate City Engineer

Re: Special Permit – Washington Place

Date: November 29, 2016

CC: James Mcgonagle, Commissioner DPW
Ted Jerdee, Director of Utilities
Lou Taverna, PE City Engineer
Nadia Khan, Committee Clerk
Alexandria Ananth, Chief Planner
Michael Gleba, Sr. Planner

In reference to the above application, Engineering & Utilities Divisions had a meeting with the applicant's consultants in regards to I & I for the proposed development.

Washington Place will use exceptionally water-efficient fixtures and appliances all of which will be EPA WaterSense or Energy Star rated appliances (dish washers, washing machine); and based on actual flow rates presented the follow flow rates were agreed to the following:

WASHINGTON PLACE						
29-Nov-16						
Infiltration & Inflow Breakdown						
Type of Use	Square Footage	Per 1,000	Flow Rate Gal/Day	# of Seats	# Bedrooms	Total Daily Flow
Commerical	31,550	31.55	50			1,578
Restaurant	7,625	7.63	50	177		381
Office Space	2,030	2.03	75			152
Residential	-		61		226	13,786
Gallons per day =						15,897
Requested Contribution calculation						
$\$8.40/\text{Gallon}(\text{treatment \& transmission cost}) \times 8 \times 17,094 \text{ gallons} =$						\$1,068,278
Additionally with the reduction of daily from based on actual meter reading totalling 4,247 gpd						
Adjusted Contribution:						
	Treatment Transmission Cost	Reduction Rate	Flow Rate Reduced Gal/Day	Adjusted Contribution		
	\$ 8.40	8	-4,247	\$ (285,398.40)		
				\$(285,398.40)		
Total Assessment:	\$1,068,278					
Less	\$285,398					
Net Contribution	\$782,880					

If you have any questions please call me.