



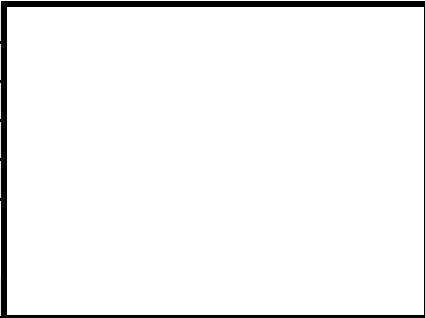
Potable Water and Sanitary Sewer Request for Confirmation of Available Capacity

Date: _____

To: Anjuli K. Panse, P.E.
 Utility Director
 Village of Wellington Utility Department
 12300 Forest Hill Blvd.
 Wellington, FL 33414

From: Jason Gunther
 Thomas Engeinnering Group, LLC
 840 SE Osceola Street
 Stuart FL 34994

Signed and Sealed by



Project Address:
 2175 Wellington Green Drive

PE Name Jason Gunther
 PE Number 58629

PCN: 72-41-44-13-01-016-0000

Project Summary (Include all applicable land use, zoning, and density information)

220 Unit Multi-family residential with units ranging from 1 to 4 bedrooms. Also included is a 6,000+/- sf clubhouse which is accounted for by tabulating number of beds as patrons and 2 employees..

Demand Summary

(Submit Potable Water and Sanitary Sewer Average Day Projected Demand Table Worksheet as backup)

Average Day Water Demands (MGD) =	0.079	MGD
Peak Day Water Demands (MGD) =	0.110	MGD
Average Day Wastewater Demands (MGD) =	0.061	MGD
Peak Day wastewater Demands (MGD) =	0.085	MGD

By submittal of this document and backup information, the applicant requests that the Village of Wellington review the information provided in order to confirm that Wellington can meet the proposed demands for water and sewer service as noted above. The applicant is advised that no guarantee of available capacity is expressed or implied, until such a time that the Owner has reserved capacity through payment of all applicable fees and charges. **The capacity letter shall be considered expired 90 days from the date of issuance.**

Potable Water and Sanitary Sewer Average Day Projected Demand Table Worksheet- July 2022

TYPE OF ESTABLISHMENT	Number of Units	WW demand per unit (GPD)	Water demand per unit (GPD)	Avg WW Demand (GPD)	Avg Water Demand (GPD)
Complete Green Cells to Calculate Projected Average and Peak Demands					
Water to Wastewater average day Demand Factor (12 month rolling average) Updated October 1, 2018	1.30				
COMMERCIAL:					
Barber & beauty shops per service chair		75	98	0	0
Bowling alley bathroom waste only per lane		50	65	0	0
Country Club					
(a) Per resident		100	130	0	0
(b) Add Per member or patron	485	25	33	12125	15762.5
(c) Add Per employee per 8 hour shift	2	15	20	30	39
Doctor and Dentist offices					
(a) Per practitioner		250	325	0	0
(b) Add per employee per 8 hour shift		15	20	0	0
Food operations					
(a) Restaurant operating 16 hours or less per day per seat		40	52	0	0
(b) Restaurant operating more than 16 hours per day per seat		60	78	0	0
(c) Restaurant using single service articles only and operating 16 hour or less per day per seat		20	26	0	0
(d) Restaurant using single service articles only and operating more than 16 hours per day per seat		35	46	0	0
(e) Bar and cocktail lounge per seat		20	26	0	0
1. add per pool table or video game		15	20	0	0
(f) Drive - in restaurant per car space		50	65	0	0
(g) Carry out only, including caterers					
1. Per 100 square feet of floor space		50	65	0	0
2. Add per employee per 8 hour shift		15	20	0	0
(h) Institutions per meal		5	7	0	0
(i) Food Outlets excluding deli's, bakery, or meat department per 100 square feet of floor space		10	13	0	0
1. Add for deli per 100 square feet of deli floor space		40	52	0	0
2. Add for bakery per 100 square feet of bakery floor space		40	52	0	0
3. Add for meat department per 100 square feet of meat department floor space		75	98	0	0
4. Add per water closet		200	260	0	0
Hotels					
(a) Regular per room		100	130	0	0
(b) Resort hotels, camps, cottages per room		200	260	0	0
(c) Add for establishments with self-service laundry facilities per machine		750	975	0	0
Office building					
1. per employee per 8 hour shift or		15	20	0	0
2. per 100 square feet of floor space, whichever is greater		15	20	0	0

TYPE OF ESTABLISHMENT	Number of Units	WW demand per unit (GPD)	Water demand per unit (GPD)	Avg WW Demand (GPD)	Avg Water Demand (GPD)
Service stations per water closet					
(a) Open 16 hours per day or less		250	325	0	0
(b) Open more than 16 hours per day		325	423	0	0
Shopping centers without food or laundry per square foot of floor space		0.1	0.13	0	0
Stadiums, race tracks, ball park per seat		4	5	0	0
Stores per bathroom		200	260	0	0
Theatres and Auditoriums, per seat		4	5	0	0
Veterinary Clinic					
(a) Per practitioner		250	325	0	0
(b) Add per employee per 8 hour shift		15	20	0	0
(c) Add per kennel, stall or cage		20	26	0	0
Warehouse					
(a) Add per employee per 8 hour shift		15	20	0	0
(b) Add per loading bay		100	130	0	0
(c) self-storage, per unit(up to 200 units)		1	1	0	0
1. Add 1 gallon for each 2 units or fraction thereof, for over 200 units, and shall be in addition to employees, offices or living quarters flow rates.		1	1	0	0
INSTITUTIONAL:					
Churches per seat which includes kitchen wastewater flows unless meals prepared on a routine basis		3	4	0	0
1. If meals served on a regular basis add per meal prepared		5	7	0	0
Hospitals per bed which does not include kitchen wastewater flows		200	260	0	0
1. add per meal prepared		5	7	0	0
Nursing, rest homes, adult congregate living facilities per bed which does not include kitchen wastewater flows		100	130	0	0
1. add per meal prepared		5	7	0	0
Parks, public picnic					
(a) With toilets only per person		4	5	0	0
(b) With bathhouse, shower & toilets per person		10	13	0	0
Public Institutions other than schools and hospitals per person which does not include kitchen wastewater flows		100	130	0	0
1. add per meal prepared		5	7	0	0
Schools per student					
(a) Day-type		10	13	0	0
(b) Add for shower		4	5	0	0
(c) Add for cafeteria		4	5	0	0
(d) Add for day school workers		15	20	0	0
(e) Boarding -type		75	98	0	0

TYPE OF ESTABLISHMENT	Number of Units	WW demand per unit (GPD)	Water demand per unit (GPD)	Avg WW Demand (GPD)	Avg Water Demand (GPD)
RESIDENTIAL					
(a) Single or multiple family per dwelling Unit					
1 Bedroom with 750 sq. ft. or less of building area	55	100	130	5500	7150
2 Bedroom with 751 - 1200 sq. ft. of building area	95	200	260	19000	24700
3 Bedroom with 1201 - 2250 sq. ft. of building area	40	300	390	12000	15600
4 Bedroom with 2251 - 3300 sq. ft. of building area	30	400	520	12000	15600
For each additional bedroom or each additional 750 square feet of building area or fraction thereof in a dwelling unit, system sizing shall be increase by 60 gallons per dwelling unit		60	78	0	0
(b) Other per occupant		50	65	0	0
OTHER CATEGORY NOT LISTED (ENGINEER TO PROVIDE BACKUP)				0	0
OTHER CATEGORY NOT LISTED (ENGINEER TO PROVIDE BACKUP)				0	0
OTHER CATEGORY NOT LISTED (ENGINEER TO PROVIDE BACKUP)				0	0
Summary of Average Day Wastewater and Water Demands (GPD) =				60655	78852
Summary of Average Day Wastewater and Water Demands (MGD) =				0.061	0.079

Summary of Peak Day Wastewater and Water Demands (MGD) = Average Daily Demand x 1.4 =	0.085	0.110
	(WW)	(Water)

[1] Systems serving high volume establishments, such as restaurants, convenience stores and service stations located near interstate type highways and similar high-traffic areas, require special sizing consideration due to expected above average volumes. The minimum estimated flows for these facilities shall be 3 times the volumes determined from the Demand Table Figures.