



## UTILITIES DEPARTMENT

7351 SW 30 STREET • DAVIE, FLORIDA 33314  
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August 28, 2020

GGB Engineering, Inc.  
2699 Stirling Road, Suite C-202  
Fort Lauderdale, Florida 33312

Attention: Gary G. Bloom, PE

**SUBJECT: 2019-00050080 Peaceful Center - Water-Sewer Availability Letter**

Mr. Bloom,

This letter is in response to your request for a Water-Sewer Availability Letter for the referenced development.

The Town of Davie Utilities Department has made a thorough analysis of the Water and Sewer Availability to the reference site and proposed development. Our analysis has included:

1. Domestic Water Treatment Plant (WTP) Capacity
2. Water Reclamation Facility (WRF) Capacity and Distribution
3. Domestic Water Distribution System Capacity and Condition
4. Wastewater Gravity Collection System Capacity and Condition
5. Wastewater Lift Station and Force Main Capacity and Condition

Based on the development description provided by your firm and the Town of Davie's ORDINANCES 2012-03 and 2007-38 "Equivalent Residential Unit Factor Schedule" we have calculated the expected flows from the proposed development as shown below:

## Town of Davie - Utilities Department Water-Sewer Availability Letter - ERC Table Application



**GENERAL**

1. Before engineering plan approval is issued, all proposed projects will require an update to the Town of Davie Utilities Master Plan Model as well as a review of capacities and conditions of all water mains, reclaimed water mains, sanitary sewer gravity and force main lines, treatment plants, supply wells, and lift stations needed to serve said projects.
2. Request a water and sewer capacity letter. Submit calculation of proposed water and sewer flows based on Town of Davie Equivalent Residential Connections (ERC) standards. Submit calculation of ERUs, based on Town of Davie Ordinance 2012-013 - Amending Ordinance 2007-38 Equivalent Residential Unit Factor.
3. A Water & Sewer Agreement will be required before building permits are issued. Please contact Heidi G. Klemm, Utilities Department Administrative Aide at 954-327-3741.

**PROJECT NAME AND LOCATION:** \_\_\_\_\_

FILL IN THE QUANTITY COLUMN

| Proposed Use Per Ordinance 2012-013 | Quantity | Unit Of Measure | Unit | ERC/Unit | ERC  |
|-------------------------------------|----------|-----------------|------|----------|------|
| Equivalent Residential Unit         |          | 1               | Each | 1.000    | 0.00 |
| Single Family House (5/8" meter)    | 3.00     | 1               | Each | 1.000    | 3.00 |

|                            |                 |            |            |        |
|----------------------------|-----------------|------------|------------|--------|
| PROPERTY OWNER _____       | SIGNATURE _____ | DATE _____ | TOTAL ERC: | 3.00   |
| (Or Authorized Consultant) |                 |            | GPD        | 1050   |
|                            |                 |            | MGD        | 0.0011 |

This ERC and flow estimates were used in checking the capacity of WTP, WWTF and WRF facilities and of the distribution and collection systems. In addition to the capacity of these systems we also analyzed the condition of existing distribution and collection pipelines in the vicinity of the proposed development.

- a) DOMESTIC WATER TREATMENT PLANT CAPACITY: WTP - System V capacity is sufficient to produce the additional estimated 0.0011 MGD of drinking water required.
- b) WATER RECLAMATION FACILITY (WRF) CAPACITY AND DISTRIBUTION: WRF System IV (Wastewater Treatment) capacity is available for treating the additional 0.0011 MGD of sewage flow. Extension of the reclaimed water system in the area is not anticipated in the near future. When extension of the reuse water system reaches this area, property owner may be required to connect the irrigation system to the reclaimed water system.
- c) DOMESTIC WATER DISTRIBUTION SYSTEM CAPACITY AND CONDITION: The developer shall install a new 8-inch diameter PVC water main, including all required valves and fire hydrants along SW 55 Avenue.
- d) WASTEWATER GRAVITY COLLECTION SYSTEM CAPACITY AND CONDITION: There are no existing sanitary sewer mains in the area and no feasible connection can be made at this time. Developer proposes septic tanks and connections will be by each individual homeowners' responsibility to design and permit. Should the Town of Davie install a public sanitary sewer main in the area, the property owners may be required to connect.
- e) WASTEWATER LIFT STATION AND FORCE MAIN CAPACITY AND CONDITION: N/A.

Please let me know if we can be of further service at this time.

Thank you.



**ALDO P. GONZALEZ, P.E.**  
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CC:

Marta Reczko, Town of Davie Utilities Compliance & Efficiency Manager  
Ron Bolton, Town of Davie Utilities Assistant Director