



October 20, 2016

Luis A. Betalleluz, P.E.
The Beta Jones Group, Inc.
801 Brickell Avenue, Suite 900
Miami, FL 33131

Subject: **WATER AND WASTEWATER CAPACITY AVAILABILITY LETTER**
A-Loft Hotel – DRC Case No. #R16011
313 NE 2nd Street, Fort Lauderdale, FL 33301

Dear Mr. Betalleluz,

Reference is made to your request for the subject letter for the A-Loft Hotel project at the above referenced location. According to the site plan information submitted, this project consists of the proposed construction of a 199 unit hotel building with 5,455 SF for retail use. Water connections are being proposed along NE 3rd Street and NE 2nd Street for water, irrigation, and fire service. Additionally, a sewer connection is being proposed along NE 2nd Street for sanitary sewer service. Furthermore, according to the calculations submitted, such redevelopment will increase water and sewer demand by 52,720 GPD (0.053 MGD). The Department of Sustainable Development (DSD) will review and approve such flow calculations. Furthermore, if DSD staff issues comments on the proposed flow calculations after the issuance of this capacity availability letter, the consultant shall request a revised letter with the correct approved flow calculation.

The City of Fort Lauderdale owns and operates George T. Lohmeyer Regional Wastewater Treatment Plant (GTL), which provides wastewater treatment for the City of Fort Lauderdale. The Broward County Department of Environmental Protection permitted Annual Average Daily Flow (AADF) is 48 MGD for the treatment plant. According to the Capacity Analysis Report updated in August 2014, Table 3-4 the year 2023 projected AADF is 42.2 MGD. The current committed capacity of 2.016 MGD plus 0.053 MGD contribution from the proposed land use provides a total projected flow of 44.27 MGD, which is less than the permitted treatment plant capacity.

The City owns and operates two Water Treatment Plants, Fiveash and Peele Dixie, which are permitted for 70 MFD and 12 MGD treatment capacities, respectively. The City of Fort Lauderdale 10-Year Water Supply Facilities Work Plan draft dated November 20, 2014, Table 5, projects the year 2025 Average Annual Daily Flow to be 43.3 MGD with a Max Day ratio of 1.2. The current committed capacity of 2.016 MGD plus 0.053 MGD additional demand from the proposed land use will generate a total AADF flow of 45.37 MGD (54.44 MGD Max Day), which is less than the combined permitted treatment plant capacities.

The additional sewage flows will contribute to pump station A-7 and its gravity sewer collection system comprised of 8, 14, 18, and 24-inch sewer mains. The City of Fort Lauderdale approves the proposed sewer connection while it is pursuing improvement of the sewer infrastructure within the Pump Station A-7 basin. The City is planning to construct a new pump station (PS A-13) which will relieve PS A-7 by 1 MGD.



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The water distribution system is comprised of 6-inch water mains, which have enough capacity to provide water service for the proposed demand.

Please be aware that nothing in this letter reserves capacity for the proposed project. Information contained in this letter will expire one year from the date issued.

Should you have any questions or require any additional information, please contact me at (954) 828-6982.

Sincerely,

Daniel Lizarazo, P.E.
Project Manager II

cc: Alan Dodd (City of Fort Lauderdale)
Jorge Holguin, P.E. (City of Fort Lauderdale)
Alex Scheffer, P.E. (City of Fort Lauderdale)
Talal Abi-Karam, P.E. (City of Fort Lauderdale)
File: Water and Sewer Capacity Letters