CITY OF
FORT LAUDERDALE

All-America City

December 12, 2017

Michael F. Giani, P.E.
Shah, Drotos, & Associates
3410 N. Andrews Ave
Pompano Beach, FL 33064

Subject: **WATER AND WASTEWATER CAPACITY AVAILABILITY LETTER**
Next Las Olas – DRC Case No. R17044
419 SE 2nd Street, Fort Lauderdale. FL 33301

Dear Mr. Giani,

Reference is made to your request for the Next Las Olas project at the referenced location. According to the site plan information submitted, this project consists of constructing a mixed use building containing: 374 condominium/apartment units, a 1,360 square foot retail space, a 1,544 square foot restaurant, and a 2,702 square foot office space. A water connection to existing City of Fort Lauderdale (City) utilities is proposed along Financial Plaza Drive for water service. In addition, a sewer connection is proposed along SE 2nd Street for sanitary sewer service. According to the calculations submitted, the development will increase water and sewer demand by 92,224 GPD (0.092 MGD). If DSD staff issue comments on the flow calculations after the issuance of this capacity availability letter, the consultant shall request a revised letter.

The City owns and operates the George T. Lohmeyer Regional Wastewater Treatment Plant (GTL), which provides wastewater treatment for the City of Fort Lauderdale. The Broward County Environmental Protection and Growth Management Department permitted Annual Average Daily Flow (AADF) is 48 MGD for the treatment plant. According to the Capacity Analysis Report updated in December 2016, Table 3-3 the year 2025 projected AADF is 44.4 MGD. The current committed capacity of 3.137 MGD plus 0.092 MGD contribution from the proposed land use provides a total projected flow of 47.63 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 designed for 70 MGD and 12 MGD treatment capacities, respectively. The City's 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 3.137 MGD plus 0.092 MGD additional demand from the proposed land use will generate a total AADF flow of 46.53 MGD (55.84 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 which is comprised of 8, 12, 14, 15, and 24-inch sewer mains. The existing 8-inch vitrified clay pipe (VCP) sewer main along SE 5th Avenue, between SE 2nd Street and Las Olas Boulevard, is inadequately sized to convey the flow. The City of Fort Lauderdale is requesting that the applicant replace the existing 8-inch VCP sewer main with a 12-inch polyvinyl chloride (PVC) sewer main in order to allow for adequate sewer flow capacity along this route for the proposed development. All materials and construction methods shall be reviewed and approved by the City and installation shall be observed by City inspectors.

The water distribution system is comprised of an 8-inch and 12-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) 828-5850.

Sincerely,

Daniel Fisher, P.E.
Project Manager II

cc: Alan Dodd, P.E. Deputy Director Public Works (City of Fort Lauderdale)
Christopher Bennett, P.E., Acting City Engineer (City of Fort Lauderdale)
Scott A. Teschky, CCM, LEED AP BD+C, Senior Project Manager (City of Fort Lauderdale)

Talal Abi-Karam, P.E. (City of Fort Lauderdale)
File: Water and Sewer Capacity Letters