

**Client**  
City of Pompano Beach

**Scope of Services**  
Review of record drawings, preliminary design memorandum, Construction drawings and technical specifications, permitting, and bidding services.

**Contact**  
Randolph Brown  
Utilities Director  
City of Pompano Beach  
1205 NE 5<sup>th</sup> Avenue  
Pompano Beach, FL 33060  
randolph.brown@copbfl.com

**Start Date**  
03/2015

**Completion Date**  
09/2018

**Construction Fee**  
\$0.85 million

**Key MBC Staff**  
Frank Brinson, P.E.

**Key Features**  
MBC analyzed alternative installation configurations for the flow meters and determined the best fit configuration to improve system operation and simplify maintenance.

## Water and Reclaimed Water Treatment Plant Flow Meter Replacement Pompano Beach, Florida



### Background

The City of Pompano Beach (City) owns and operates a 50 million gallons per day (mgd) capacity water treatment facility and a 7.5 mgd reclaimed water treatment facility. Both treatment facilities utilize magnetic flow meters throughout the treatment process. These flow meters require periodic calibration, maintenance, repair and replacement as individual meters near their end of useful service. As the meters continued to age they required an increased amount of maintenance. The City desired to replace these meters and analyze alternative installation configurations to improve accessibility and accuracy for operation and maintenance purposes.

## The Project

The scope of design services included:

- Review of record drawings. MBC reviewed yard piping record drawings in order to produce a complete yard piping plan for the treatment facility.
- Preliminary design memorandum. MBC prepared a memorandum outlining the proposed facility improvements and applicable regulations.
- Construction drawings and technical specifications. Were created to show proposed improvements; their location, size, and spatial relations with respect to existing piping and structures.
- Permitting. MBC will prepare the necessary permit applications in order to obtain a public drinking water facility construction permit from the Broward County Health Department.
- Bidding services. MBC will assist the City in obtaining competitive bids from contractors and deliver copies of contract documents to the City to post on their website.

MBC provided services during construction. The project was completed September 2018.

