

## ALFREDO PEREZ, PE, PSM Professional Engineer



aperez@johnsoneng.com  
239.461.2407

### Years Experience

15 years

### Licensing & Registration

Florida Professional Engineer,  
License No. 84310

Florida Professional Surveyor  
and Mapper,  
License No. 7262

### Education/Training

Bachelor of Science in Civil  
Engineering (2014)  
Florida Gulf Coast University

Associates in Arts (2007)  
Edison College  
Currently Florida Southwestern  
State College

Associate in Science in Drafting  
and Design Technology (2005)  
Edison College  
Currently Florida Southwestern  
State College

### Training

OSHA 10: Construction  
Outreach Training Course

Alfredo began his engineering career in 2004 for Bean, Whitaker, Lutz and Kareh, Inc. as a survey rod technician. After receiving his A.S. in Drafting and Design in May 2005, he joined Johnson Engineering, Inc. as a survey CAD technician. Alfredo has eight years of prior survey experience. He is familiar with office and field procedures in surveying/mapping, both conventional and global positioning systems. Alfredo continued his education as a part-time student while transitioning into the engineering department within the company. He earned his B.S.C.E in May 2014 and is currently working in the water resources department. Alfredo works on a variety of projects entailing various disciplines of engineering which include groundwater, utilities, surface water, construction inspection, report writing, and field data collection. Alfredo received his Professional Engineering License from the Florida Board of Professional Engineers in December 2017. Alfredo recently earned his Professional Surveyor and Mapper License from the Florida Board of Professional Surveyors and Mappers in September 2019.

Alfredo's past engineering support has allowed him to be exposed to a broad range of engineering disciplines. Alfredo is currently more involved in the water resources discipline assisting with environmental resource permitting and surface water management systems. However, he continues to aid in other areas of engineering which consist of surveying and mapping, plan production/QAQC, and preparing project specifications.

### Relevant Experience

- **Ben Hill - Alico Road Wastewater Force Main, Lee County, FL (2013)** - Performed a pipeline alignment analysis on a future force main along Ben Hill Griffin Parkway in Lee County. Report recommended best option based on location, exiting utilities, construction methods, cost, and overall feasibility of constructing a pipeline.
- **Seminole Tribe of Florida, Collier County, FL (2014)** - Construction engineering and inspection of the Immokalee Reservation's newest potable water supply well. Responsibilities included: plan production, shop drawing review, pipeline pressure testing, drawdown testing, and serving as the company's engineering representative during construction.
- **Seminole Tribe of Florida, Hendry County, FL (2014)** - Performed a hydraulic analysis on the existing wellfield system at the Big Cypress Indian Reservation Water Treatment Plant. Recommended pipe sizing, pump, and motor for the proposed potable water supply system after field testing. Prepared construction plans of the proposed water supply well and raw water main.
- **Koppers Railroad, Martin and Palm Beach Counties, FL (2014-2015)** - Performed hydraulic analyses on seven (7) canal crossings for future bridge modifications. Assisted in the SFWMD permit process by preparing permit applications/plans.
- **Ford Street Filter Marsh, Lee County, FL (2015)** - Assisted in a No-Rise analysis to ensure minimal negative impacts result from proposed improvements.
- **Airglades Airport, Hendry County, FL (2015)** - Assisted in preparing plans and specifications for the project. Responsible for review of shop drawings and performing periodic construction inspection of the wastewater treatment plant sprayfield expansion.
- **Brighton Valley, Highlands County, FL (2015)** - Assisted in surface water modeling of existing and proposed conditions. Prepared plans of the proposed improvements.
- **Peace River Manasota Regional Water Supply Authority, Desoto County, FL (2015-2019)** - Project consisted of dredging approximately 20,000 cubic yards from a portion of the Peace River. Responsibilities included: assisting with the hydrographic survey, survey review, plan production, surface water modeling, environmental resource permitting, construction observation, and project certification.
- **Green Meadows WTP Wellfield Expansion, Lee County, FL (2015-2018)** - Responsible for overseeing daily construction activities on the proposed potable wells, raw water mains, and roadway. Assisted in review of shop drawings, field directive changes, formation cutting sampling, water quality sampling, specific capacity testing, step drawdown testing, aquifer performance testing, pressure testing,

density testing, roadway grading, construction reporting, project certification, and record drawings.

- **South Florida Water Management District, Southwest FL (2017-PRESENT)** - Currently working on various projects in obtaining environmental resource permits. Duties include permit research, plan preparation/review, and surface water management design. Efficient in using hydraulic modeling software such as: Hydrologic Engineering Center - River Analysis System (HEC-RAS), Interconnected Channel Pond Routing (ICPR), and SFWMD's CASCADE 2001.