

FRANK ROTH

Frank@smithengineeringconsultants.com

2161 Palm Beach Lakes Blvd. Suite 312

West Palm Beach, Fl. 33409

Office: (561) 616-3911 Ext. 209

SMITH ENGINEERING CONSULTANTS, West Palm Beach, FL

2017- Present

Position: Electrical Engineer

Title: Electrical Designer

PROJECT EXPERIENCE

- **SOUTHERN REGION WATER RECLAMATION FACILITY-** Palm Beach County, FL
 - Electrical Engineering Survey of current existing Electrical conditions for all electrical facilities
 - Created full set of as-built drawings
 - Construction Management Services
- **SFWMD, C43-WEST BASIN RESERVOIR S-470, S483 PUMP STATION** - Hendry County, FL
 - Electrical design of 5 KV and below power
 - Photometric analysis and electrical design of lighting components
 - Instrumentation/SCADA for pump station consisting of (4) four 2500HP, 5KV pumps
- **TIMS-2017 PALM BEACH COUNTY WUD CSA-19 LIFT STATION UPGRADES** – PB County, FL
 - Electrical Engineering Survey of current existing Electrical conditions for existing lift station conditions and electrical redesign
 - Construction Management Services
 - Electrical Retrofit Design of Instrumentation/SCADA and Electrical components
- **CITY OF WELLINGTON LIFT STATION UPGRADES** – City of Wellington, FL
 - Electrical Engineering Survey of current existing Electrical conditions for existing lift station conditions and electrical redesign
 - Construction Management Services
 - Electrical Retrofit Design of Instrumentation/SCADA and Electrical components
- **CITY OF PALM SPRINGS LIFT STATION UPGRADES** – Palm Springs, FL
 - Electrical Engineering Survey of current existing Electrical conditions for existing lift station conditions and electrical redesign
 - Construction Management Services
 - Electrical Retrofit Design of Instrumentation/SCADA and Electrical components

WORK HISTORY:

- Electrical Engineering Site Lighting Design and Photometrics Design;
- Lightning Protection;
- Emergency Generator System Design;
- Complete Power, Lighting Design and Elevator Switchgear Sizing, using AutoCAD, Revit and Visual Photometric Design software
- Fire Alarm Systems Design
- Construction Management
- Security Systems Design
- Lighting Controls Design

FORMAL EDUCATION

FLORIDA ATLANTIC UNIVERSITY, Boca Raton, FL

1988 - 1994

BS, Mechanical Engineering

BROWARD COMMUNITY COLLEGE, Davie, FL

1984 - 1987

Associates of Science Degree in Engineering

