

**JEFF COOPER**

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**SMITH ENGINEERING CONSULTANTS, West Palm Beach, FL**

**2017-**

**Present**

**POSITION:** Electrical Engineer

**TITLE:** Electrical Designer

***PROJECT EXPERIENCE:***

**C-43 West Basin Reservoir**, LaBelle, Florida

- Designed new electrical and instrumentation for various control buildings, equipment, gate structures, and pump stations supporting a 15,000 acre reservoir.

**S-333N, Miami-Dade, Florida**

- Designed new electrical and instrumentation for control building and equipment for a fully automated three gate structure.

**Lake Worth Utilities PS-15 And PS-21**, Lake Worth, Florida

- Designed new electrical and instrumentation for pump control consisting of three 25HP Pumps.

**Lake Worth Drainage District CS-9**, Lake Worth, Florida

- Designed new electrical and instrumentation for a 3 gate structure, equipment, and control building housing three 150 HP pumps..

***WORK HISTORY:***

*Electrical Designer*

- Assisted Sr. engineers with electrical and instrumentation design in the areas of water and wastewater utilities, water control structures, pump stations and generator replacement.
- Review of shop drawings
- Responsible for project management, designing electrical systems, and construction administration on various types of commercial, industrial, and residential projects.
- Developed construction documents containing lighting, power, and systems with assistance from Sr. engineers.
- Performed short-circuit and protection coordination studies.

*Field Engineer*

- Performed tests, using CT methods, on high voltage breakers.
- Tested relays with Doble test sets.
- Digital fault recorder programming.
- Power factor testing.
- Experience installing and testing 130VDC battery banks.
- Installing and calibrating new battery monitors at substations.
- Performed ground grid tests

**EDUCATION:**

**B.S. - Electrical Engineering, 2010**

Florida Atlantic University - Boca Raton, Florida