

ERIK HOWARD, P.E., P.S.M.
Professional Engineer



ehoward@johnsoneng.com
239.461.2441

Years Experience
16 years

Licensing & Registration

Florida Professional Engineer,
License No. 66574

Florida Professional Surveyor and
Mapper, License No. 6959

State of Florida Certified
General Contractor,
License No. CGC1517855

State of Florida Certified
Electrical Contractor,
License No. EC13005228

State of Florida Certified
Plumbing Contractor,
License No. CFC1428169

State of Florida Water
Well Contractor,
License No. 7278

Leadership in Energy &
Environmental Design Accredited
Professional (LEED AP)

Education/Training

Master of Engineering,
Hydrological Sciences
Concentration, (2003), University
of Florida

B.S. in Civil Engineering (2002),
University of Florida

Civic

Former Charlotte County
Construction Industry
Licensing Board Chairman

Former Murdock Village CRA
Advisory Committee Chariman

Erik Howard joined Johnson Engineering in December 2003. Erik earned both his Master of Engineering and Bachelor of Science in Civil Engineering degrees from the University of Florida. As an engineer, surveyor, general contractor, plumbing contractor and electrical contractor, Erik is familiar with both the technical and construction side of projects.

Erik's experience as an engineer includes groundwater modeling, hydraulic pipe modeling, data analysis, utility design, directional drill layout and design, well design, pump station design, treatment facility design, stormwater design, permitting, certification and construction administration. He routinely prepares specialized plans and specifications for projects that require an 'out-of-the-box' approach. Erik's technical background and practical experience allows him to handle most any unique circumstance.

Relevant Experience

- ↪ Lee County Utilities, Green Meadows Water Treatment Plant Expansion - Engineer of Record for design and permitting (FDEP ERP, FDEP PWS, USACE, FWC, FDEP UIC) of a wellfield expansion for the Lee County Utilities Green Meadows Water Treatment Plant Expansion. The project entailed evaluation of 27 existing wells within the Surficial and Sandstone aquifers, design of six Floridan aquifer wells, two deep injection wells, two dual zone monitor wells, 60,000 feet of pipeline, and a five-mile-long road.
- ↪ Lee County Utilities, Corkscrew 5 MGD Wellfield Expansion - Design, permitting, and construction observations services for 30,000 feet of raw water main and 24 water wells. Regulatory agencies involved in this project include, FDEP, SFWMD, USACOE, Lee County, DOH, and US Fish and Wildlife. Erik assisted with the design, permitting and specifications for the project. Erik was the engineer of record for construction administration services and project certification.
- ↪ Charlotte County Utilities, Loveland Master Pump Station - Project engineer for 12 MGD headworks pump station. The project included six pumps and two 30 feet deep wetwells to serve the Eastport Water Reclamation Facility.
- ↪ Town and Country Utilities Preliminary Utility Master Plan – Services included cost estimating, conceptual potable wellfield design, conceptual irrigation wellfield design, conceptual wastewater and water conveyance system design and treatment technology evaluation to serve 19,500 residential units.
- ↪ Lee County Utilities Operation Center – Project engineer for the overall project, overseeing the design professionals including the architect, MEP engineer and structural engineer for the project. The 44,000 SF building includes is on a former dump and requires a pile support system with a minimization of groundwater and surface water disturbances.
- ↪ Lee County Utilities, Corkscrew Wellfield Fiber Optic Upgrade – Project manager and Engineer of Record for Design, permitting, and construction inspection services for converting 24 wells from radio communication to fiber optic communications. The project included installation of conduit and 60,000 feet of fiber optic cable. The construction cost for this project was \$3,325,424.
- ↪ Lee County Utilities, Pinewoods Water Treatment Plant (WTP) Nanofiltration (NF) Wellfield Electrical Upgrade – Project manager and lead CEI engineer for contractor oversight of converting the wellfield power to 480V from 230V. The project includes converting 11 duplex well sites with new power, control panels and fiber optic cable communication.
- ↪ City of Fort Myers, Eastwood Golf Course Reuse Lake – Designed and provided construction inspection services for an 1,800 gpm irrigation pump station, 1,700 gpm emergency surface water pump station and a geo-textile membrane lined pond.
- ↪ Hendry County, Airglades WWTP Facility Expansion – Engineer of Record for increasing the capacity of the wastewater treatment and disposal system.