
Relevant Experience

Project Engineer

09/2020 – Present

South Jersey Industries (SJI) | Atlantic City, NJ (Hybrid)

- Review and approve new business natural gas distribution and service designs
- Perform cost analyses and feasibility studies for prospective main extension projects
- Assist outside departments with technical aspects of natural gas distribution and service designs
- Recommend models and sizes of meters, regulators, excess flow valves, and other natural gas service components
- Evaluate renewal projects associated with the retirement of existing distribution mains/services and the installation of new compliant infrastructure
- Assign natural gas main extension & renewal project scopes to vendors and approve contractor invoices.
- Prepare requests for proposals (RFP), statements of work (SOW), and evaluate vendor bids
- Work with the Construction and Asset departments on bridge, dam, and railroad crossings

Gas System Engineering Co-op

06/2018 – 08/2019

Jackson Energy Authority (JEA) | Jackson, TN

- Designed construction plans and specifications for natural gas pipeline infrastructure using AutoCAD & ArcGIS
- Presented detailed project cost estimations and assisted with assorted cost analyses
- Designed/reconfigured natural gas meter set assemblies for residential, industrial, and commercial customers
- Performed data acquisition techniques via ArcGIS using path tracing and valve isolation applications
- Communicated with Professional Engineers, senior management, contractors, engineering firms, & construction crews
- Performed research for various projects including field measurements, GPS surveying, and site inspections

ACT Prep Tutor | Huntington Learning Center | Gallatin, TN

11/2016 – 08/2017

TSSAA/USSF Soccer Official | Tennessee

08/2012 – 08/2020

Education

Bachelor of Science in Mechanical Engineering | May 2020 | GPA: 3.9

(2017 - 2020)

Tennessee Technological University | Cookeville, TN

Associate of Science in Mechanical Engineering | July 2017

(2015 - 2017)

Volunteer State Community College | Gallatin, TN

Certifications & Awards

Professional Engineer License (PE) | August 2023 | [NCEES](#)

(2023 - Present)State Licensure: [DE \(No. 28862\)](#), [NJ \(Pending\)](#), [TN \(No. 129517\)](#)

Project Management Professional (PMP) | May 2022 | [No. 3250045](#)

(2022 - Present)

Project Management Institute

Engineer Intern Certification (EIT) | April 2019 | [No. 34146](#)

(2019 - Present)

Tennessee Board of Architectural & Engineering Examiners

Patricia B. Lebkuecher Award (Academic Excellence)

(2017)

Volunteer State Community College

President's Ambassador & College Tour Guide

(2016 - 2017)

Volunteer State Community College

Technical Skills

IBM Maximo Asset Management, Salesforce, AutoCAD, Microsoft Excel, Project Management, Adobe Acrobat, ESRI ArcGIS, Cross-Functional Workload Management, Problem Solving, Continuous Improvement

Major Engineering Projects

Salem-Quinton System Expansion

06/2022 – Present

South Jersey Industries (SJI) | Atlantic City, NJ (Hybrid)

Currently directing the internal design team and an external design vendor in creating construction plans for a 106,000' natural gas main extension throughout Elsinboro, Quinton, and Alloway Township in Salem County, New Jersey.

- Presented a project overview and bid documents including the request for proposal (RFP) and statement of work (SOW) to multiple design vendors.
- As this project is ongoing, the design work for the main extension is expected to be completed in late September 2022.

Fortescue System Replacement & Expansion

03/2021 – Present

South Jersey Industries (SJI) | Atlantic City, NJ (Remote)

Led the internal design team and external design vendor in creating construction plans for the renewal of 11,000' of existing natural gas main and the extension of 36,000' of new natural gas main throughout the city of Fortescue, NJ.

- Created a PowerPoint presentation and bid documents including the request for proposal (RFP) and statement of work (SOW) to present to design vendors.
- Collaborated with the Senior Director of Construction to analyze and award the design based on the bids received.
- Led the creation of an 85'-deep horizontal directional drill profile to cross the bridge at Fortescue Creek.
- Worked in partnership with Construction Managers and Construction Supervisors to assess the individual construction plans for improvements as needed.
- Reviewed and approved over 110 individual new business service designs in conjunction with the system expansion.
- Collaborated with the sales department and the municipality regarding timelines throughout the project life cycle.

Gerdau Ameristeel Meter Set Reconfiguration

10/2018 – 08/2019

Jackson Energy Authority (JEA) | Jackson, TN

Designed construction plans to reconfigure the meter set for the largest natural gas consumer in the company's distribution system. This reconfiguration enabled Gerdau Ameristeel to [invest \\$67 million](#) to expand their facilities in Jackson without disruption to their natural gas service.

- Utilized AutoCAD, project records, site visits, and field measurements to design the set of construction plans necessary for the project.
- Collaborated with Professional Engineers and field personnel for material recommendations and design proposals.
- Researched natural gas meter and valve performance to determine proper selection and sizing.
- Presented the design and detailed cost estimates to the Senior Vice President of the Gas Division for executive approval.

Vision

As I move forward in my career, I look to utilize the diverse background and leadership experiences I've had to constantly add value in my role. With my Bachelor of Science (B.S.) focused in Mechanical Engineering from Tennessee Technological University, I learned to solve complex problems through a direct application of my natural curiosity. Similarly, with my Project Management Professional (PMP) certification, I have incorporated the significance of value-driven processes in my work with various stakeholders. Following the achievement of obtaining my Professional Engineering (PE) license in the Fall of 2023, I look to shape my career and become a dynamic addition to a team by being proactive, productive, and displaying professionalism through my work.