



# McNEIL ENGINEERING™

Economic and Sustainable Designs, Professionals You Know and Trust

EPICENTER

SPRING 2023



## FORTY YEARS AT MCNEIL ENGINEERING

Our team here at McNeil Engineering is excited to welcome 2023 and celebrate our 40th Anniversary of being in business here in the great state of Utah! From our beginnings as a small engineering outfit, our operation has expanded over the years to include Surveying, Civil and Structural Engineering, Landscape Architecture, and Roofing and Paving Consulting with offices in Sandy, Logan, and St. George, Utah, and Boise, Idaho.

Each of these departments and their managers brings an invaluable perspective and a wealth of experience that has helped us grow into the team that we are today and I give them my thanks!

Most of all I want to thank our clients, who year in and year out have placed their trust in our team to deliver quality and reliable service on each project and with each interaction. Here's to many more years of working together to help make Utah great!

Mike Hoffman  
President

MCNEIL ENGINEERING  
WINTER 2023  
NEWSLETTER

EPICENTER

Forty Years

Project Highlights



# FAIRFIELD TOWNSHIP



## MCNEIL SURVEYING

Led by Surveying Project Manager Kent Withers, our team has been involved in laying the groundwork of Fairfield's infrastructure since 2016.

Working with original documents dating back to before the Civil War, Kent was able to determine the town's interest in the roadway as well as vacating portions of the unnecessary

roadway while also developing dedication maps for the roads not included in the original plat. All in preparation for the inevitable development that is coming for the town of Fairfield.

Fairfield Mayor Brad Gurney had the following to say about the project, "Growth is coming, whether we like it or not. The only thing we can do about the inevitable growth is to plan for our future. McNeil Engineering has helped us solve many problems and though the completion of several critical projects is helping us prepare for this growth. However, we don't want "good growth planning" to be viewed as an "invitation" to developers. The challenge for us becomes, keeping the balance between allowing good healthy growth to occur while preserving a small-town environment".

Our team has had this in mind throughout the past few years as we have become the go-to contact for all of the surveying or plat questions for the township. Always keeping Fairfield's roots intact while helping prepare for the inevitable future growth.

"Kent is GREAT to work with and very knowledgeable. He is great with making sure we understand the process and is open to answer any questions we might have as a town."

RL Panek - Fairfield Road Department.

★★★★★ — 5 Star Google Review



### Contact

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# TERMINAL CLASSROOM



## MCNEIL CONSULTING

McNeil Engineering's Consulting department led the design and construction oversight of the new model training facility for Rocky Mountain Power at the Terminal Site in Salt Lake City, UT. Under the adept leadership of Manager Carl Greene, the team brought their expertise and dedication to the project, ensuring its successful completion.

The first key aspect of their work was the meticulous planning and design of the facility. Recognizing the specific needs of Rocky Mountain Power, the team carefully crafted a layout that catered to the training requirements. The facility boasts six (6) state-of-the-art classrooms, each equipped with cutting-edge technology and modern amenities to facilitate effective learning and development. To optimize space utilization and provide flexibility, McNeil Engineering's team ingeniously incorporated vertical lift walls, allowing the classrooms to be easily divided or merged as needed.

Carl and his team took into consideration not only the functional aspects but also the aesthetic appeal of the facility. They implemented a design that reflected Rocky Mountain Power's corporate identity and values, creating a pleasant and inspiring atmosphere for both employees and trainees.

Throughout the entire process, McNeil Engineering's Consulting department exhibited its expertise in project management and construction oversight. Manager Carl Greene ensured that the project adhered to strict timelines, budget constraints, and safety regulations. Their effective communication and collaboration with various stakeholders, including contractors and suppliers, contributed to the smooth execution of the project from start to finish.

In summary, McNeil Engineering's Consulting department, led by Manager Carl Greene, was pivotal in delivering a state-of-the-art model training facility for Rocky Mountain Power. Their meticulous planning, innovative designs, and diligent oversight created a space that promotes learning, collaboration, and efficiency. The facility stands as a testament to its commitment to excellence and its ability to deliver exceptional results for their clients.



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# NORTH UNION



## MCNEIL CIVIL ENGINEERING

With immense pride and gratitude, we extend heartfelt thanks to all involved, including our valued clients and partners, for the successful completion of the North Union Apartments project. The collaboration between our Civil, Structural, and Surveying departments, along with the support of in-house experts, has been exceptional, resulting in a remarkable complex that now stands as a testament to our dedication and expertise.

Throughout this journey, our Civil Engineering team skillfully coordinated with Architects, designed new utility services, and ensured compliance with ever-changing city ordinances and state stormwater codes. Notably, our efforts in creating improved parking access have alleviated congestion and offered future residents a hassle-free experience. We cherish the opportunity to contribute to the growth of the Draper area and the entire Salt Lake valley, laying the groundwork for vibrant communities to thrive in the future.

This project marks yet another milestone in our Civil Engineering department's illustrious history of successful municipal projects. Over the years, we have consistently delivered innovative solutions that have transformed communities, and the North Union Apartments project is no exception. Our team's unwavering commitment to excellence and our ability to navigate diverse challenges have been instrumental in bringing this development to fruition. We are proud to add this achievement to our portfolio of transformative projects that contribute positively to the growth and well-being of the areas we serve.



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# NORTH UNION



## MCNEIL LANDSCAPE ARCHITECTURE

Our overall objective for the North Union apartments was to create a unique, urban environment for residents and the public that plays off the design of the building but also fits the area. The intersection of 900 East and 7220 South is very heavily trafficked and loud. However, it's also a major crossing point for students from the nearby high school. After visiting the site and analyzing the area, we wanted to create a design that allows us to buffer the plaza area, and creates small, more intimate gathering spaces and seating areas to be enjoyed by residents and the public. With this in mind we designed custom black powder coated steel planters in distinctive shapes that will we planted with our water wise plant palette.

We designed the complex's roof deck to be functional for a variety of uses. Black steel planters and cast-in-place concert planters and seat walls, create private seating areas and social gathering spaces with BBQ's and inviting spaces to hang out. Native plant material was used for low water usage and for a natural vibe that will be able to sustainable during the heat of summer.

Our design team worked with the developer and architect to include many amenities as possible to the project such as walking paths, interesting seating areas, a zen rooftop pool and a dog park.



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# KAUAI POWER PLANT



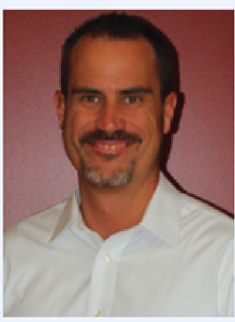
## MCNEIL STRUCTURAL ENGINEERING

McNeil Engineering's role in the design was that of the structural engineer of record. This project required coordination with fabricators and engineers in Poland and Germany and construction that took place in Hawaii. McNeil Engineering has a commitment to using cutting-edge technology not only in its design but also in its project management. Using this technology, McNeil Engineering

maintained communication with all project principles from their office in Sandy, Utah by breaking down the traditional workflow boundaries that may limit other firms to their geographic locations.

McNeil's team furnished the deliverables (construction documents, calculations, RFI's) electronically to the fabricators, constructors, and engineers using the internet. Virtually all communications were done with Skype or other web-based communication tools. Tablets and laptops were used to house and view construction documents. Cell phones were used to capture and document any construction issues.

McNeil Engineering's design team was able to not only perform their "regular" duties as structural engineers, but they were also able to coordinate a project that involved principles from three countries, which covered over 7400 miles, using their revolutionary knowledge of the most current engineering and communication technologies.



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