McNEIL ENGINEERING™

Economic and Sustainable Designs, Professionals You Know and Trust

EPICENTER SUMMER 2026



CONSISTENCY IN QUALITY

Every project brings a different set of challenges, but our clients should always know what to expect from McNeil Engineering: thoughtful work, clear communication, and a team that follows through. Consistency in quality means bringing that same care and attention to every assignment, from a small site improvement to a major community development.

In this summer edition, we're pleased to share examples of our work across departments. As technology evolves and our communities grow, we continue to build on the fundamentals that make a project successful: listening carefully, collaborating closely, and taking pride in the details.

I'm grateful to our employees for their dedication and to our clients and partners for their continued trust. That trust is earned with each project and every interaction. Thank you for the opportunity to remain your "Professionals You Know and Trust."

Sincerely,

Michael D. Hoffman
President, McNeil Engineering

MCNEIL ENGINEERING SUMMER 2026 NEWSLETTER

EPICENTER

President's Message

Department Highlights

AIRPORT SCANNING





MCNEIL LASER SCANNING

Surveying an active airport calls for precise data collection and careful coordination with ongoing operations. For this project, McNeil Engineering's Survey team used drone-based LiDAR to document existing conditions and collect elevation data in support of an ALTA survey and future site development planning.

An RTK-enabled drone equipped with LiDAR sensors collected dense point cloud data across the site. The aerial approach supported efficient coverage of areas that can be difficult to reach using ground surveying methods while minimizing disruption to airport activity.

The resulting digital model gives engineers and planners a detailed view of the site's existing surface conditions. This information provides a reference for evaluating the property and coordinating future design work.

The point cloud images show how aerial data can document the relationship between airport infrastructure and surrounding site features. By integrating drone-based LiDAR with its survey workflow, McNeil provided a detailed digital record to support the project team's planning and design decisions.



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SILO PARK





MCNEIL CIVIL ENGINEERING

Silo Park combines housing, commercial space, and gathering places to Salt Lake City's Granary District, just west of the Post District. The development combines new construction with the area's industrial character, including its recognizable grain silos.

McNeil Engineering served as a civil site design consultant, working with Blaser Ventures, Lowe Property Group, and Catalyst. Our scope included grading, utility coordination, stormwater management, and roadway design: the site infrastructure that supports the development's buildings, circulation, and shared spaces.

The work drew on our team's experience with nearby projects, including Post District and Pickle & Hide. Together, these assignments reflect the coordination involved in adapting established urban sites for new uses while working within their existing surroundings.

On a site of this kind, grading, drainage, utilities, and roadways need to work together. Considering those elements as a coordinated system helps align the site layout with the buildings and shared spaces it serves.

Our contribution focused on civil site design. We're proud to have supported the development partners and contributed engineering for a project centered on housing, walkability, and the Granary District's industrial character.



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TAYLORSVILLE STATE OFFICE BUILDING





MCNEIL CONSULTING

Exterior site improvements play an important role in how people experience a public building. At the Taylorsville State Office Building, McNeil Engineering supported improvements to the parking areas and pedestrian routes serving the multi-agency facility.

Working directly with the Utah Division of Facilities Construction and Management, our team provided civil design, paving consultation, and accessibility upgrades. Melissa Smith led the project, with attention to the exterior infrastructure used by employees, visitors, and the public.

The scope included updated access ramps, pedestrian crosswalks, accessible parking stalls, and pavement improvements. The design focused on safety, accessibility, traffic flow, durability, and long-term pavement performance.

These elements work together as part of the building's everyday arrival experience. Parking, walking routes, and access ramps all need to be considered in relation to one another so that improvements address the site as a whole.

This project highlights the practical value of paving consulting and coordinated site design. By addressing pavement needs alongside pedestrian access, McNeil helped DFCM improve the functionality of the exterior spaces that support this public facility.



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SOLEIL LOFTS







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MCNEIL STRUCTURAL ENGINEERING

Soleil Lofts in Herriman brings together multifamily housing, shared amenities, and an innovative approach to residential energy. Designed by Architecture Belgique for Wasatch Acquisitions and Capital, the completed development includes approximately six hundred apartments across twenty-two buildings.

McNeil Engineering provided structural engineering services, with Brian Warner contributing to the project as part of the design team. Our role supported the architectural vision for a residential community that combines apartment buildings with substantial shared amenity spaces.

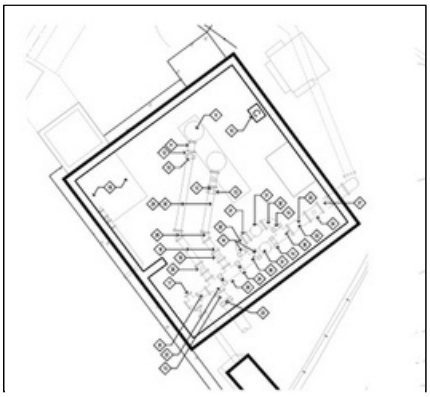
The community's clubhouse includes an indoor pool, basketball court, golf simulators, and spaces for residents to gather. These amenities are part of the broader project design and help give the development its distinctive character.

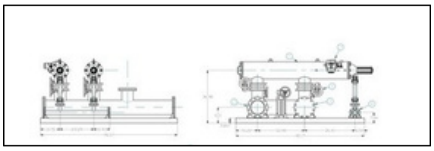
Soleil Lofts is also known for its all-electric approach, rooftop solar generation, and battery storage. Its network of batteries forms a virtual power plant managed by Rocky Mountain Power, supporting backup power and the management of electricity demand. The project's energy and utility partners developed these systems as part of the broader community design.

Our Structural Engineering team is proud to have contributed to this collaborative development. Soleil Lofts offers an example of how the work of many specialized teams comes together to create a distinctive residential community.

WEBER STATE UNIVERSITY







MCNEIL LANDSCAPE ARCHITECTURE

At Weber State University in Ogden, McNeil Engineering's Landscape Architecture team brought together campus accessibility, student gathering space, and irrigation infrastructure in the South Science Lab project.

Commissioned by the Utah Division of Facilities Construction and Management, the work included redesigning a student plaza south of the Science Lab and replacing an outdated ramp and stairway with a new accessible ramp and stairs. Scott Schoonover served as landscape architect.

A major part of the project was the renovation of the campus's main secondary irrigation pump and filtration system. The scope replaced two outdated pumps and controls, piping, fittings, and valves within the existing pump house. Variable frequency drives were specified for the pumps, with electrical and water use monitored through the campus-wide Metasys system. The improvements were intended to support more efficient operation and give campus staff better information about system use.

Automated screen filters replaced the older manual filters, with the aim of reducing the labor associated with flushing the system. This work connected the visible improvements to campus spaces with the infrastructure needed to maintain them.

McNeil's services extended from topographic survey, analysis, and design documents through construction support, submittal review, inspections, and record drawings. This project spotlight reflects the breadth of landscape architecture: improving the spaces people use while addressing the systems that help those spaces function.



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GOOD CONVERSATIONS





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GOOD PROJECTS START WITH GOOD CONVERSATIONS

In marketing and business development, I spend a lot of time thinking about what makes a client relationship last. It usually isn't one big moment. It's the smaller incremental elements of each relationship. Listening closely, communicating clearly, following through, and being willing to have an honest conversation when a challenge comes up. Each of these is a conversation that we need to show up to in our client relationships, and in our lives.

One approach to improving communication receiving attention across the engineering industry is earlier collaboration. Project approaches such as progressive design-build bring owners, designers, engineers, and builders together to work through scope, cost, schedule, and design decisions. As trends continue to evolve, the tools and delivery methods may change, but the need for trust stays the same.

Strong relationships make it easier to ask questions early, share concerns, and work through options before a small issue grows. They also help teams understand what matters most to the client, so technical decisions can stay connected to the project's goals.

From my perspective, relationship-building is part of how good work gets done. Every meeting, phone call, site visit, and follow-up is a chance to make collaboration easier and strengthen the trust clients place in our team.

That starts with practical questions: What does a successful outcome look like? What concerns need attention? Who needs to be involved in the next decision? Asking and listening can make the next steps clearer for everyone.

At McNeil, we're grateful for the clients and partners who work alongside us. We aim to earn their trust through dependable service, thoughtful communication, and care for the people behind