



Fall 2018

McNEIL ENGINEERING™

epicenter

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Re-development of Sugarhouse Area Continues

As the re-development of the Sugarhouse area of Salt Lake City continues so does the role of McNeil Engineering plays in that re-development. McNeil Engineering has two side by side projects currently under construction on Wilmington Ave. Between 700 and 600 East. The Brixton Flats Apartments are under construction located on the corner of 700 East and Wilmington Ave and Liberty Place Townhomes is located on the other half of the Wilmington Ave block.

Liberty Place Townhomes is a 70 unit townhome project developed by Cowboy Partners and designed by Architectural Nexus. Liberty Place has replaced an office building and a surface parking lot. The units will be rentals and will be dispersed among eight buildings on 1.72 acres. The townhomes will be three stories and include a one car garage. The project's townhomes will front Wilmington Avenue, 600 East and the S-Line.



Liberty Place Construction Looking towards Brixton Apartments Construction

The Brixton Flats Apartments is a mixed use development that sits between Wilmington Avenue and the S-line. The five-story development will have 93 residential units, some office and retail space, including The Bicycle Center that was previously at the site and has temporarily relocated during construction. Brixton Flats was designed by Blackbox Design and is being built by Kier Construction.

McNeil Engineering's Civil Engineering completed all of the civil engineering design for both projects. **McNeil Engineering's Survey Department** completed an ALTA/NSPS Land Title Survey for both projects.

Sugarhouse is one of Salt Lake City's oldest neighborhoods. Established in 1853 by early Mormon settlers, Sugarhouse has gone through many changes over the years. Utah's first state prison was located there from 1855 until 1951. Subsequent decades saw it as Salt Lake City's central furniture district, and became run down in the 1980s.

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A Higher Perspective

Did you know? The McNeil Engineering's survey team makes use of a drone in some ALTA/NSPS Land Title Surveying projects and more, all to the benefit of our clients .

Today we're sharing more about a subject folks tend to find fascinating. Drones are still a curiosity to many people, who associate them with military use and recreational purposes. But for the last few years, the McNeil team has been using drones for Surveying, and so much more. And we're pretty excited to tell you about it. In fact, it's a subject (you might say) we could 'drone on and on' about.

Why? For one thing, our team makes use of leading-edge technology in the projects we complete for our clients. Staying on the cutting edge isn't just our job, it's our passion.

So, how do we use drones to benefit our clients? At McNeil Engineering, we use drones for projects such as:

- ALTA/NSPS Land Title Surveys
- Construction Management
- Asset Management
- Volumetric Surveys



The applications are practically endless, as we are finding more ways to use drones regularly. Getting a 'top level' view helps us to see things others might miss.

When we first started using a drone, we had a simple quadcopter with a GoPro camera. The drone had to be piloted by a person with a remote control. That

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Safety First!!!

Here at McNeil Engineering, safety isn't just a concept we strive to achieve, it's our number one priority.

Every day we take steps to protect our employees, clients, and the communities we serve during each phase of our various projects.

We follow all state and federal guidelines and regulations and ensure all of our crew members have the equipment and education they need to stay safe and injury-free while out in the field.

McNeil Engineering survey manager, Mike Hoffman agrees, *"Our success as a company can be attributed to our focus on safety. Clients continue to return to McNeil Engineering because they know we'll not only do the job right but because we never cut corners and never will. We've worked hard to establish our reputation, and are committed to continuing our amazing track record for years to come."*

This isn't just a hollow promise. It's a commitment that we take seriously. In fact, thanks to our track record of safety-minded work, we were recently recognized by the Utah Safety Council.



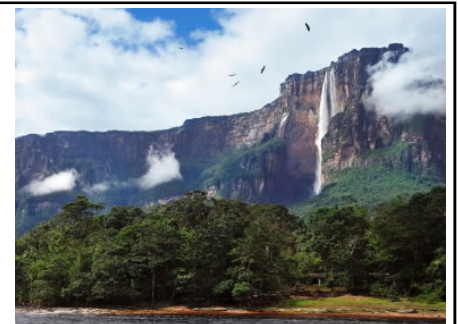
2018 Award of Merit & Perfect Record Award

Our team members received two awards. The first award is the **2018 Award of Merit** which is *"in recognition and appreciation for achievement in the field of safety and as measured by outstanding safety performance."* The second award is the **2018 Perfect Record Award** which is *"in recognition of completing 12 consecutive months without an OSHA recordable injury, illness, days away from work, or death."*

We are honored to receive these awards, and couldn't be more proud of this achievement. If you want to work with a team where safety comes first, look no further than McNeil Engineering. We look forward to serving you.

FUN FACT

Angel Falls in Venezuela is the highest waterfall in the world. The falls are 3230 feet in height, with an uninterrupted drop of 2647 feet. Angel Falls is located on a tributary of the Rio Caroni. The falls are formed when the tributary stream falls from the top of Auyantepui.



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Today it is one of Salt Lake's hotspots for homes, new apartments and townhomes and shopping. Sugarhouse Park now occupies the former grounds of the old Sugarhouse Prison.

The Sugarhouse area has been good to McNeil Engineering. Besides the two projects mentioned above, McNeil Engineering has played a role in several other projects in the area. The re-development of the Sugarhouse Monument Plaza, 21 & View, Wilmington Gardens, Legacy Village and Sugarhouse Crossing are just some of the projects McNeil Engineering has been honored to be a part of.

"Most Improved" Soccer Team

McNeil sponsored the SUNNYSIDE FC soccer team to play in the 2018 Utah Refugee summer league. This league is designed to help refugee youth stay out of trouble and also to provide mentoring for the youth. The SUNNYSIDE FC team won the most improved team award this summer.

Congratulations to these amazing youth!!!



New Las Vegas Preparatory Academy Campus Awarded to McNeil Landscape Architecture

In 2014 McNeil Landscape Architecture was awarded a proposed American Preparatory Academy (APA) Campus in Las Vegas, Nevada, for landscape architectural and site design services. The site located in Clark County Nevada, totaled 6.45 acres and consisted of approximately 62,541 square feet of landscape area.

Our Landscape Architecture team, headed by senior landscape architect Scott Schoonover, created a plant palette containing a mix of desert plants with a balance of color and texture adaptable to the hot desert climate of Las Vegas. They chose plant material that was not only relatively maintenance free and water-wise, but safe for the daily activity of the school children using the campus. Lawn was kept to a minimum and only used in the activity secured playground area, artificial turf was implemented in the high activity areas to minimize up keep and wear and tear. The irrigation system was designed to maintain a constant pressure throughout the circuits, minimizing misting and evaporation of the water. A smart irrigation control system was installed to monitor and adjust the station timing as needed due to climatic conditions.



Rendering of Landscape Design

Recently, APA was approved for a 2nd campus in Las Vegas. This comes at a time when the current Las Vegas campus has received a 5-star rating from the Nevada State Public Charter School Authority. The new K-6 campus will be located only 2 miles east of the current campus. The proximity to APA Las Vegas #1 campus, will allow families to have students at both schools without adding a transportation burden and allowing resources to be shared between campuses. The new campus will serve around 600 students in kindergarten through 6th grade.

The McNeil Landscape Architecture team was again selected to be a part of the design team for the 5-acre site expansion to the exiting K-12. Scott Schoonover, senior landscape architect, will assist with overall site design of the campus which includes, recreation fields, parking lots and landscape areas. The new school is scheduled to open Fall of 2020, the new design will continue to focus on water-wise plant material that stands up to the arid desert conditions of the area, while bringing a vibrant visual effect to the campus for the staff and students to enjoy.

McNeil Engineering Site & Landscape Architecture continues building a reputation for its school campus design work. Earlier this year participating in the design of the new Edison Elementary campus in the Salt Lake City School District and was recently selected as a consultant for future Canyon County School District projects.



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Coming To An End

By, Carl Greene, Consulting Manager

March 29, 1990. A day I will never forget. That is when I raised my arm to the square and swore an oath in front of the American Flag and Lt Col Frank Johnson that I would defend the Constitution of the United States and the State of Utah with my life, if necessary. That is the day I joined the Utah Air National Guard and became a part of the reserve to the United State Air Force (USAF).

Fast forward 28 years and some-odd months later as I prepare to wear the uniform of the USAF for the last time while on an active duty status. On November 6 of this year (2018) I will officially retire from the Utah Air National Guard and join the ranks of the ready reserve. Funny to think that this all started with the insistence of my grandmother that I go and talk to a recruiter during Spring Break. She promised if I went and talked with him that she would stop harassing me about joining the military. Exactly one week later I was in the position described at the beginning of this article. Joining wasn't a foreign idea to me. I was very proud of my grandfather who had served in the US Navy during World War II. I always looked up to him for that (and many other reasons). I even went as far as to apply for a Naval ROTC scholarship when I first entered college. When that didn't work out I had given up on the idea, until my grandma gave me her final salvo.

As careers in the military go I would say mine was average. No Congressional Medal of Honor or Purple Heart. But I did see my fair share of active duty, serving overseas as a member of the

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Employee Anniversaries this Quarter

Employee	Date Started	Years of Service
Melissa Smith	10/27/1997	21
Carl Greene	10/15/2003	15
Anthony Schmid	12/15/2003	15
Rebeca Rendon-Lira	10/16/2007	11
Daniel Pratt	11/19/2007	11
Daniel Canning	12/16/2013	5
Angie Lee	12/7/2015	3
Cody Williams	11/28/2016	2

Ruby City Milestone

August 21st was a milestone in the construction of Ruby City for the Linda Pace Foundation in San Antonio, TX. The final precast panel was put in place on the building. All building panels and lantern panels are installed and they all fit!

McNeil Engineering's Structural Engineering Department was the precast specialty engineer for this project. They worked with long time client and precast fabricator Pretexsa located in Mexico City, Mexico.

Matthew Roblez was the primary Structural Engineer for this project. He had this to say: *"not only was this a milestone for the Linda Pace Foundation, it was also a milestone project for me for sure. It was awesome to work with Bernardo Johannsen and Pretexsa again. I'm looking forward to the next project."*



Ruby City With Precast Panels in Place



Construction of Ruby City With the Precast Panels in Place



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Help For The Rescue Mission...

With cold weather just around the corner McNeil Engineering is sponsoring a cold weather gear drive to benefit those living at the rescue mission in Salt lake City.

Check your closets for those gently used coats that are just hanging around.

The Rescue Mission is in need of **coats, gloves, scarf's and stocking caps.**



If you would like to help us with this drive you can bring your donations to **McNeil Engineering's office at:**

8610 S. Sandy Parkway, Suite 200
Sandy, UT 84070

We will be collecting items through the end of October.

Join us in making a difference in the lives of some of Salt Lake's homeless

**THE GREATEST
WEAPON AGAINST
STRESS IS OUR
ABILITY TO CHOOSE
ONE THOUGHT OVER
ANOTHER.**

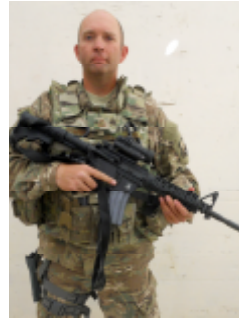
WILLIAM JAMES

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active duty force fighting in Operations IRAQI FREEDOM, INHERENT RESOLVE and ENDURING FREEDOM. Possibly some other operations that could not be mentioned at the time. All together I spent more than 2 full years serving on active duty, much to the dismay of my employer (Rod Davis) and our list of distinguished clients. I am grateful to each of them for their patience and support of me and my family while I was away. And my apologies that my obligation to serve interrupted our normal train of business. Hopefully we have all made it through without any severe battle scars.

During my service I have held three Air Force Specialty Codes (AFSCs or MOSs for you Army types). I started my career as a Structural Specialist – all things carpentry, masonry and construction related. I thought it would be useful in supplementing my civilian career plans. From there I cross-trained into an Engineering Assistant. There I learned the fine art of surveying, planning and project management. My final position, and my favorite, was that of First Sergeant. To simplify, if the commander is the father of the unit, the 1st Sergeant is the mother. Commander makes the rules, the 1st Sergeant makes sure they are followed. In Air Force language we call that the “good order and discipline” required to survive and win in the profession of arms.

It will require some adjusting to not wear the uniform. In many ways my military service represents some of the oldest and most enduring relationships that I have experienced, professionally and socially. Some might say I now have a free weekend each month to catch up on whatever I want to do (family, house, travel, hobbies, work). And they would be right. At the same time I feel I will be missing a piece of myself. It has been my honor to serve. I love my nation with all my heart, warts and all. I was willing to give my life for it. In some ways I did. And I would do so again without hesitation.



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worked well to get the higher perspective on client projects.



Programing Drone Flight Plan

These days, we've taken it even further. Last year we upgraded to a more sophisticated drone that is capable of flying on a pre-programmed flight path. We use an iPad to create the flight path and upload the program to the drone. Among the benefits to the new drone is that it can take off and land in the same location.

Just as the U.S. military makes use of drones for inspections, aerial photography and video, and GIS mapping, so too can McNeil Engineering make use of the drones for a variety of applications to the benefit of our clients.



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