In 2018, the Northwest College contracted with Engineering Associates out of Powell, Wyoming to perform an Infrastructure Survey as a part of the college’s Utility Strategic Plan. The following was performed under this project:

- Accurate location survey of all identifiable utilities;
- AutoCAD creation utilizing surveyed location data;
- Geographic Information System development for all location data & compilation of utility data from record drawings, onsite observation, etc.;
- Irrigation System Evaluation;
- Power System Evaluation; and
- Drone Imagery of the campus.

This project was intended to provide the Northwest College with the necessary information to prioritize maintenance and identify the areas on campus most in need of improvement.

**What are the Future Benefits of this Project for the College?**

- Comprehensive Database of utilities data, record drawings, facility assessments, and pictures as well as an accurate location for most major utilities on campus;
- Provides a basis for future project planning; and
- Useful for developing a maintenance schedule.

**How Does this Help Campus Efficiency & Sustainability?**

- Pinpoints the areas of infrastructure that are aged or degraded and in need of replacement;
- Highlights methods of improving systems efficiency on gas and power systems; and
- Provides a centralized location of utility and building data which will save time for future generations searching for information.

**How has this Already Been Utilized?**

- Preparation of Student Center Rehabilitation Project;
- Electrical Distribution System upgrade will be prioritized;
- Irrigation System Upgrades evaluated; and
- Treated Water metering and backflow prevention needs identified.