Navajo Nation

# Western Navajo Pipeline Phase I Projects Update

April 2026

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# Western Navajo Pipeline Phase I Projects

Section 1

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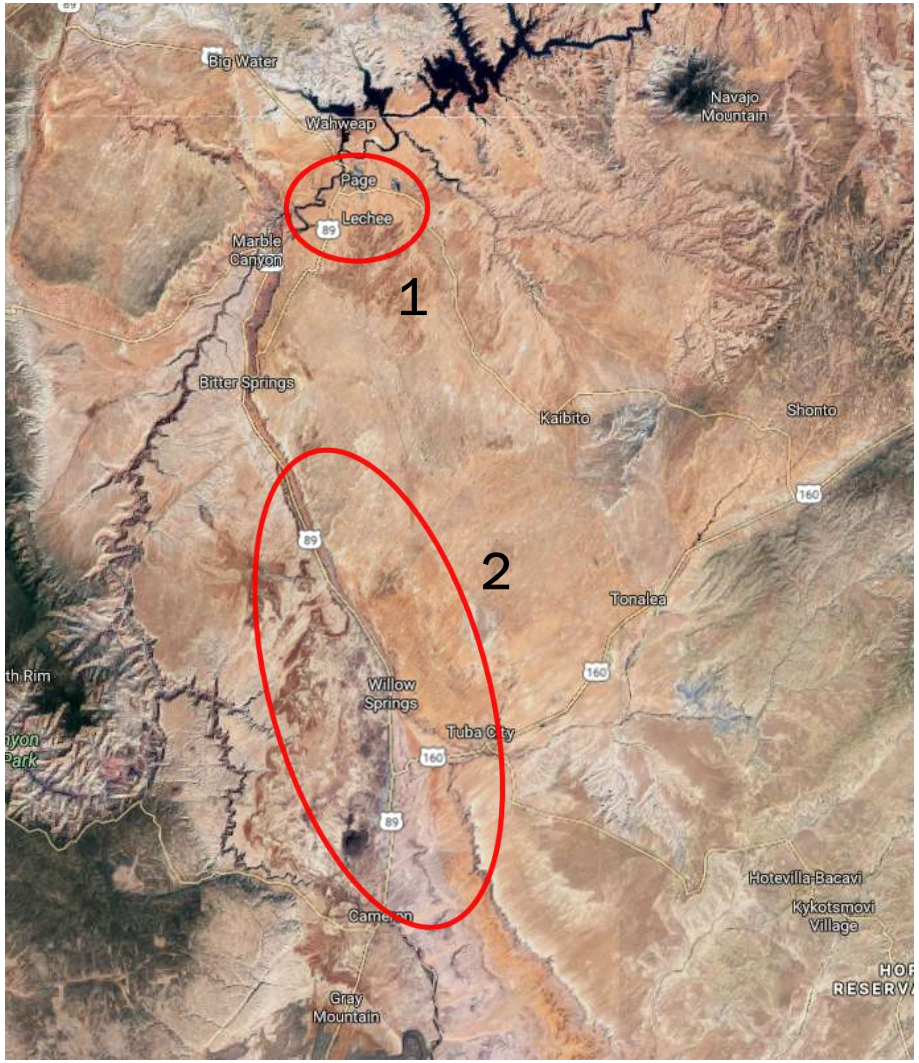
# Purpose and Need

The Western Navajo Pipeline provides a solution for the long-term water demands for the Coppermine, Bodaway-Gap, Tuba City, and Cameron water systems.

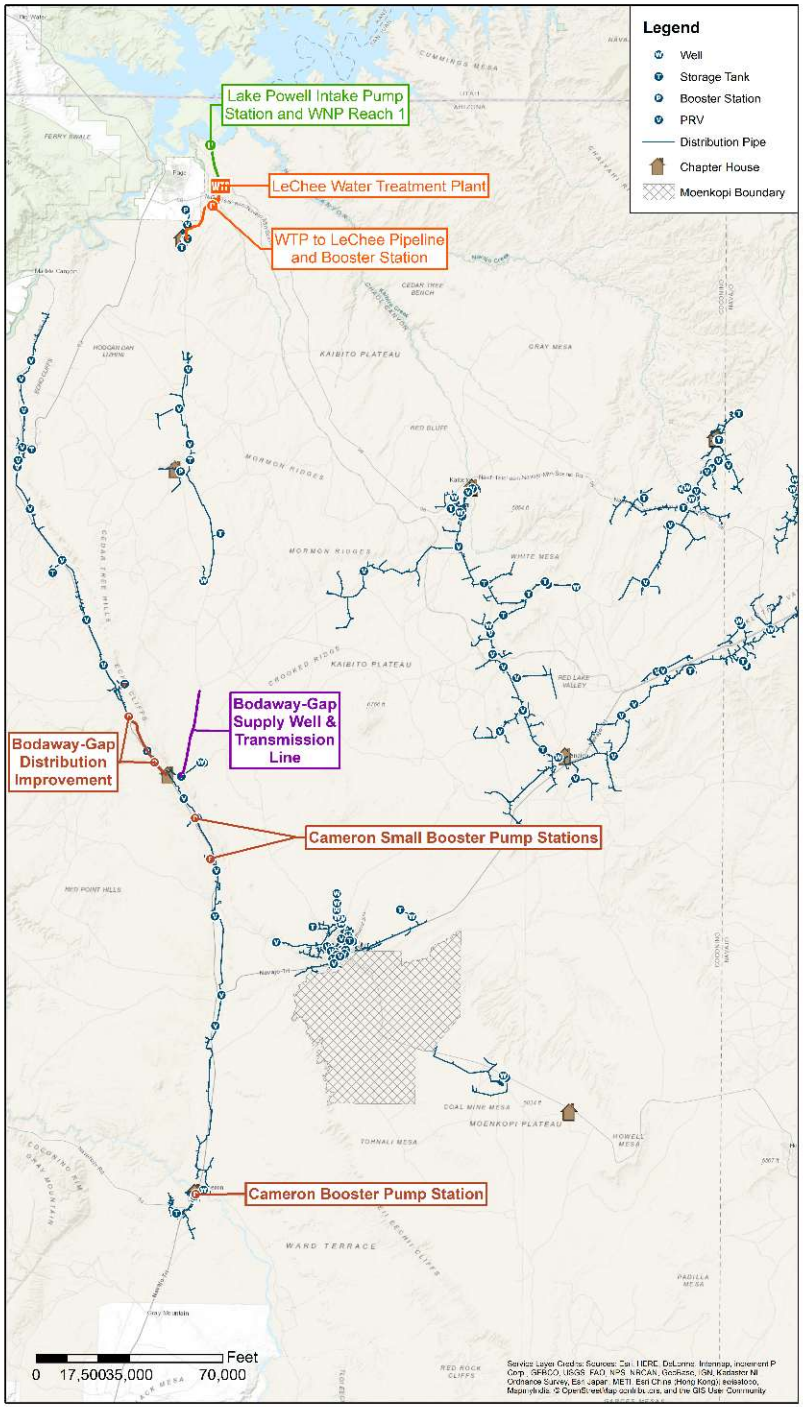
1. The LeChee Chapter needs additional water to meet near/mid term water demand needs for the community of LeChee and the Antelope Canyon Economic Development Corridor

2. The Bodaway-Gap and Cameron water systems require distribution pipe and pump station improvements to meet current and near/mid term water demands



# Western Navajo Pipeline Phase I Projects

- **Bodaway-Gap Well, Pipeline, & Storage Tank**
- **LeChee Water System Improvements**
  - Lake Powell Intake Modifications
  - LeChee Water Treatment Plant
  - LeChee Pipeline & Booster Pump Station
- **Cameron Booster Pump Stations**
- **Cedar Ridge Booster Pump Stations & Pipeline**



# Stakeholders

Section 2

# Primary Stakeholders

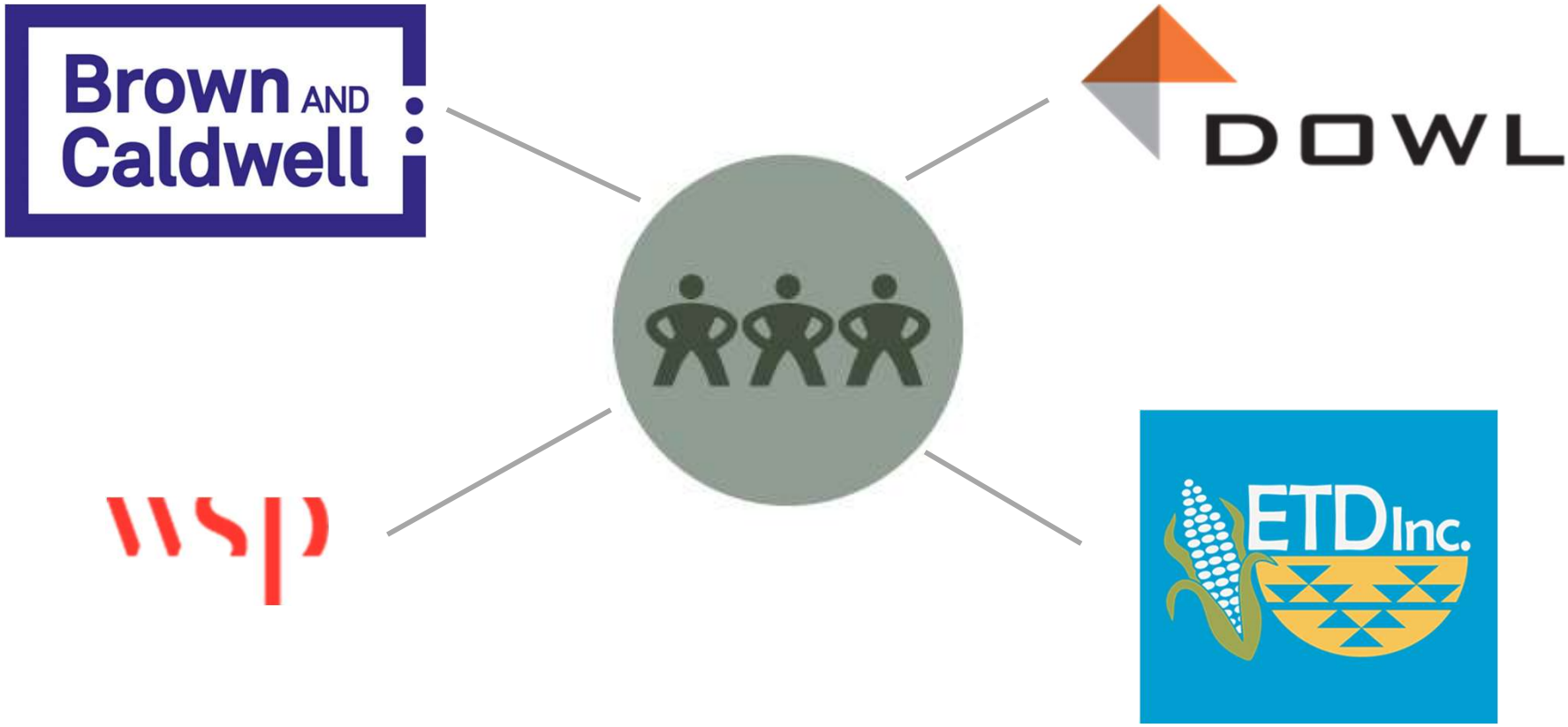
Navajo Nation Department of Water Resources – Water Management Branch

Navajo Tribal Utility Authority

Navajo Nation Chapters:

Lechee, Coppermine, Bodaway-Gap, Tuba City, Cameron

# Consulting Team



# Bodaway-Gap Well, Pipeline, & Storage Tank Project

Section 3

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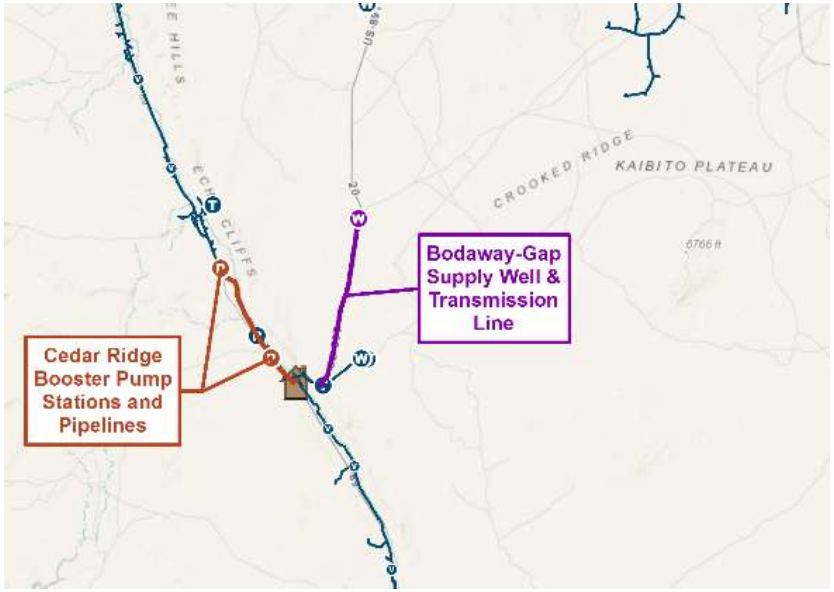
# Bodaway-Gap Supply Well and Pipeline Project




- **Project Includes:**
  - Well with a capacity of 250 gallons per minute
  - 10-inch Pipeline (6.4 miles)
  - 80,000-gallon Storage Tank

**Project Schedule**

| 2025 | | | | | | | | | | | | 2026 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D |
| CONSTRUCTION | | | | | | | | | | | | BENIFICIAL USE | | | | | | | NTUA OPERATIONS | | | | |

# Indian Health Service Koko Extension Project

- Gap Well and Storage Tank will serve homes in the Coppermine Chapter
- IHS is working on the design of the pipeline that will connect to the new Gap Well and Tank


# LeChee Water System Improvements Project

Section 4

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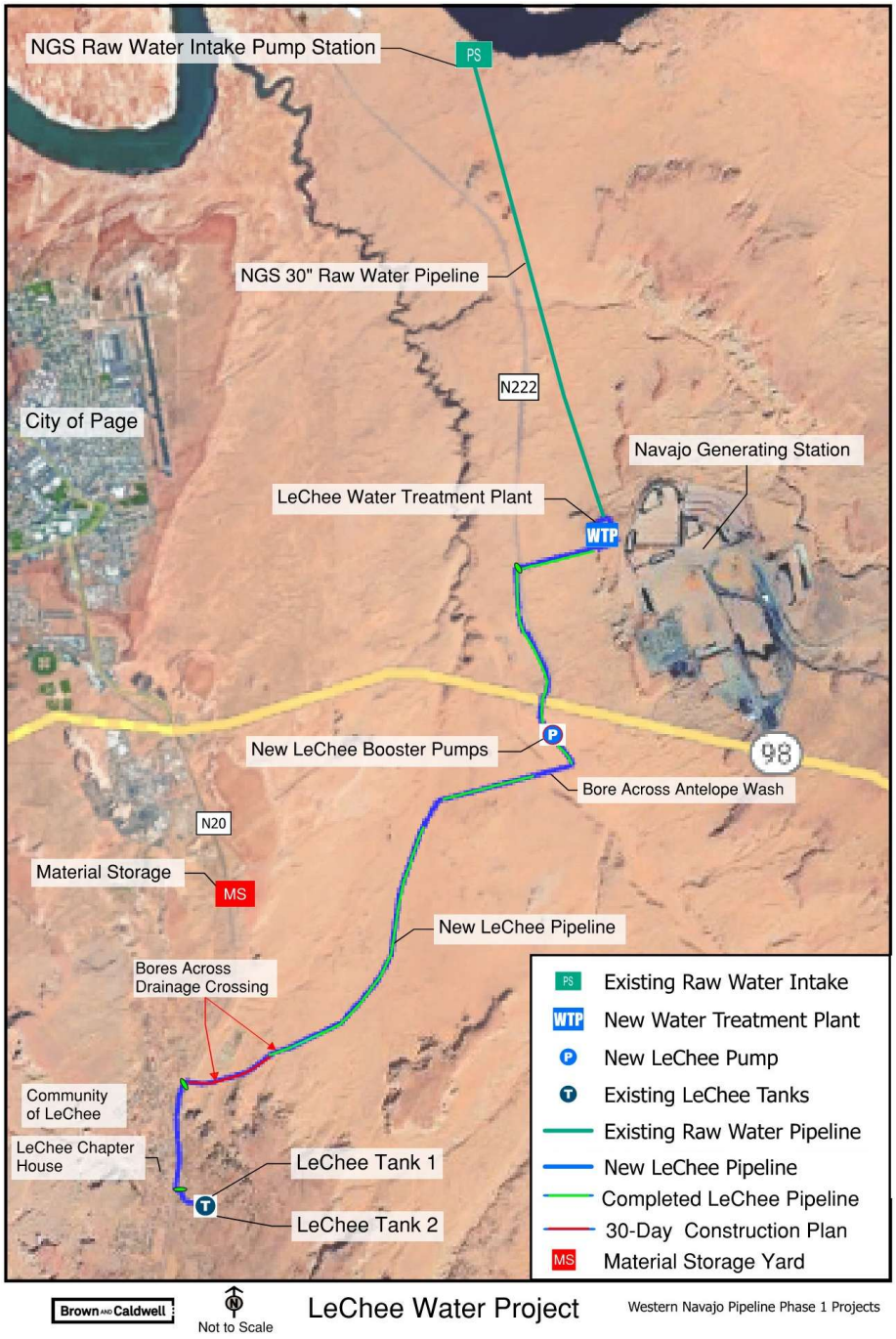
# LeChee Water System Improvements Project

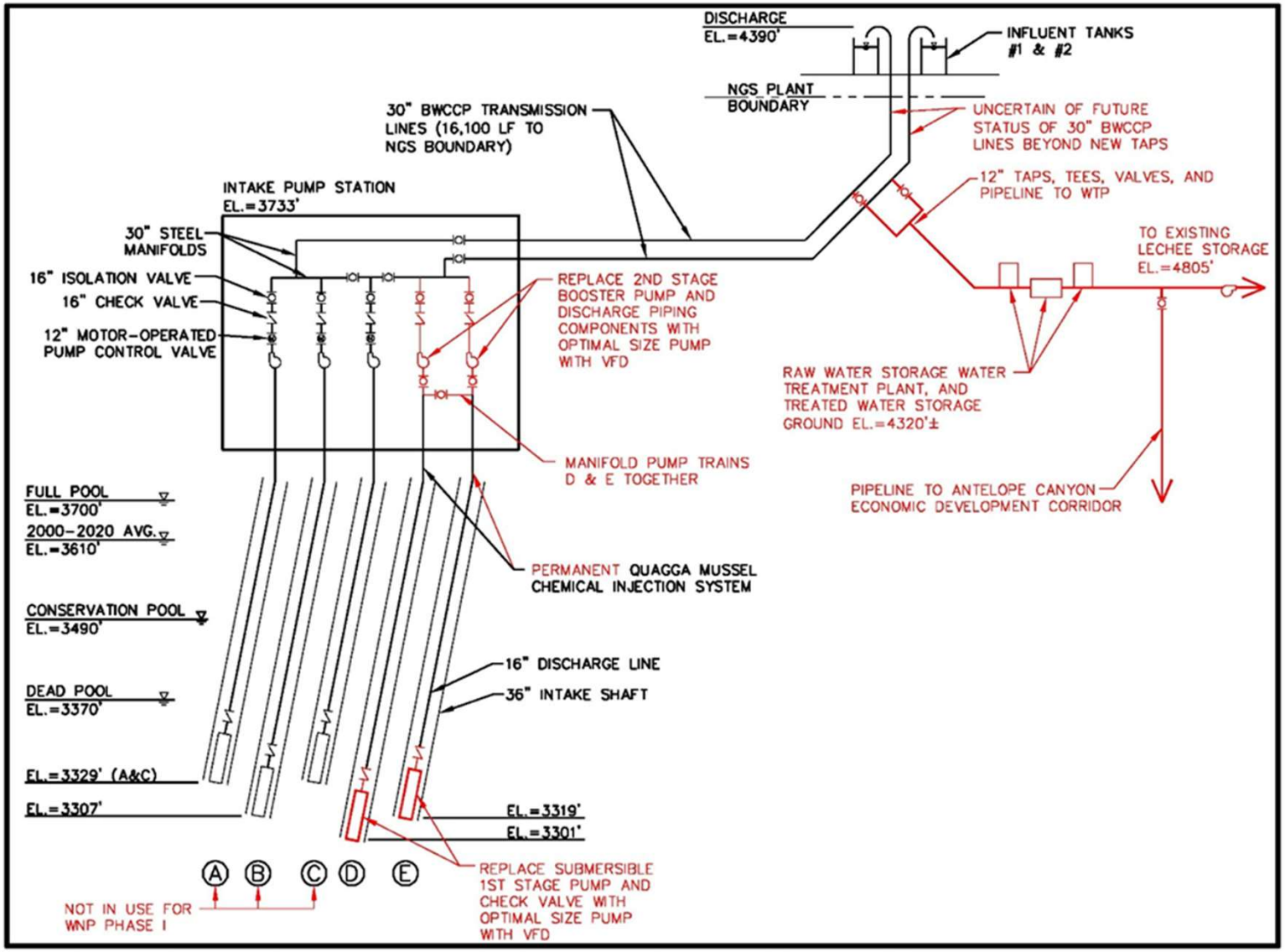



- Lake Powell Intake Modifications
- LeChee Water Treatment Plant
- LeChee Pipeline & Booster Pump Station

# Lake Powell Intake Modifications

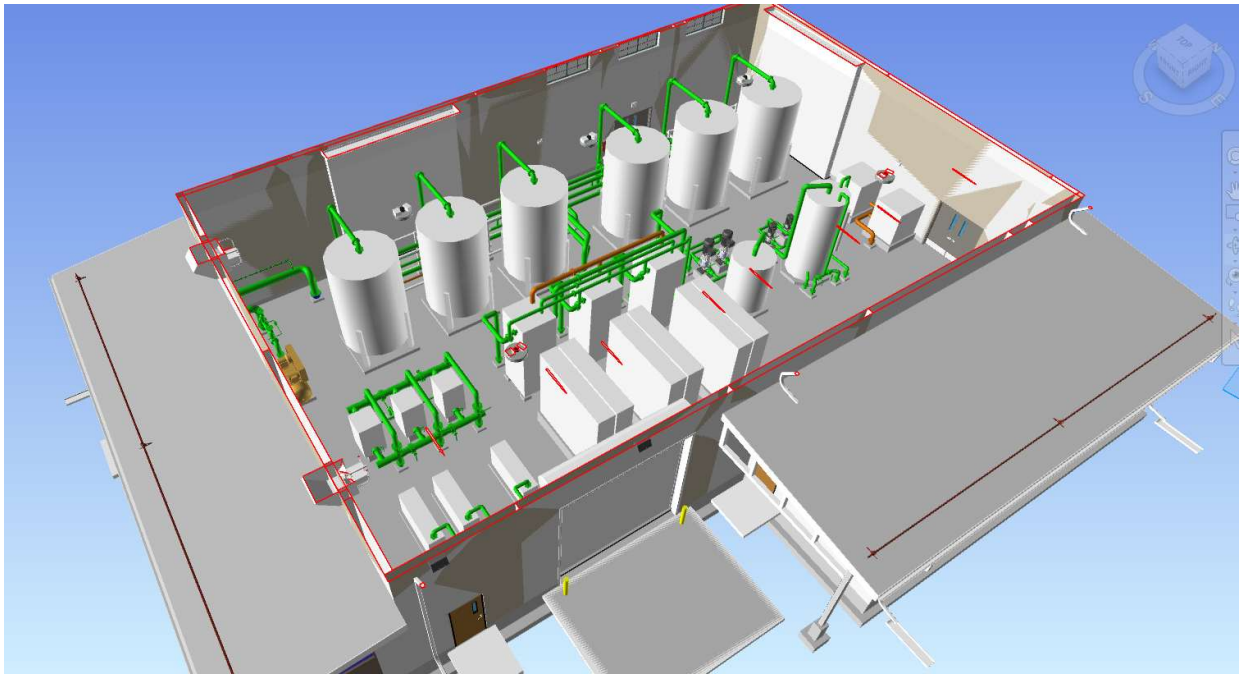
- Upgrades to the intake facility, including a new electrical/control building and dual-stage 700 gallon per minute pumps to supply water to the treatment plant
- Contractor has removed existing submersible and second stage pumps and preparing the facility for the new pumps and controls

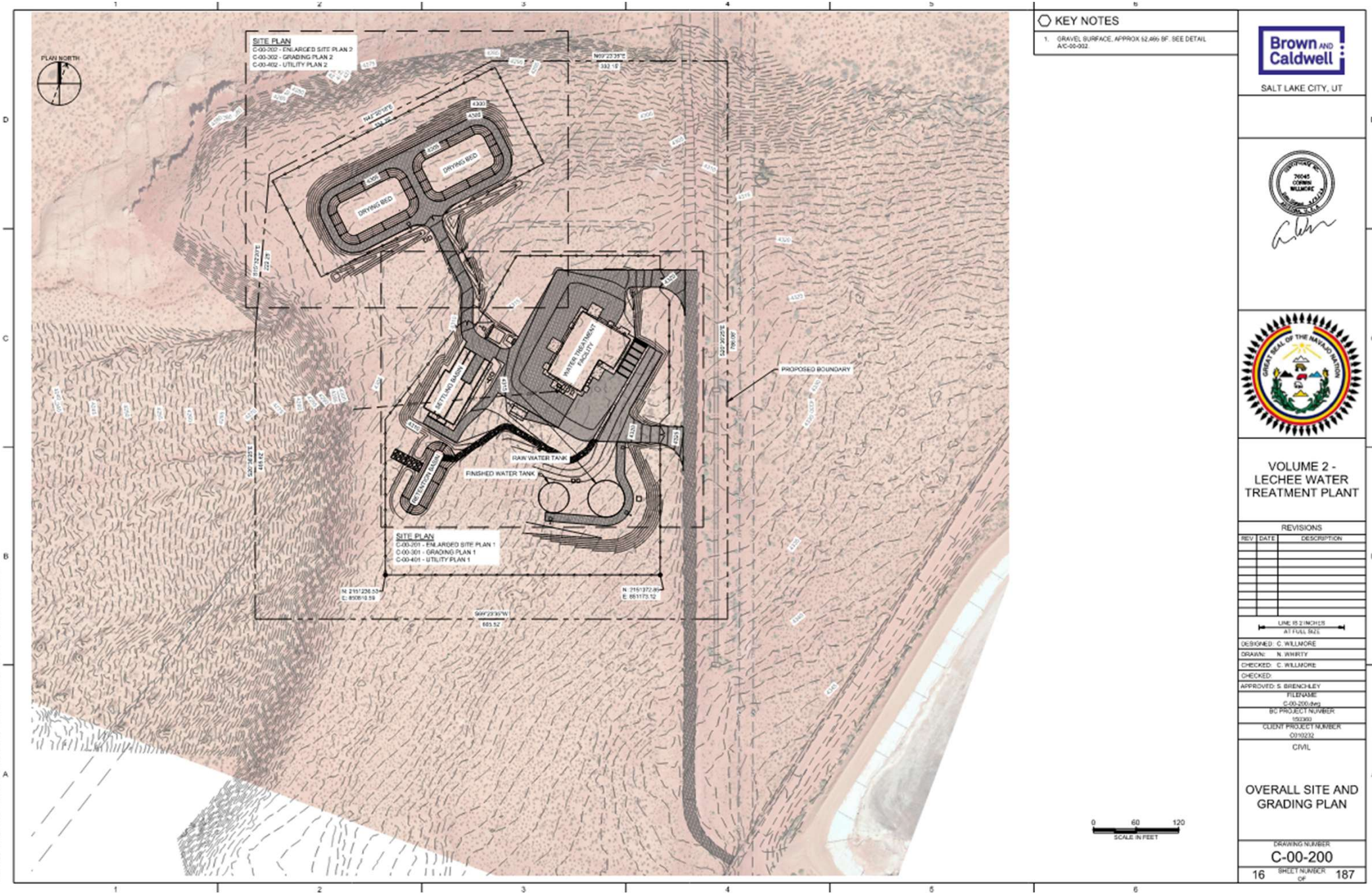
# Utilizing the Lake Powell Intake Facility



# LeChee Water Treatment Plant

Construction of a 1 million gallon per day membrane treatment facility, including a 500,000-gallon raw water reservoir and a 320,000-gallon finished water reservoir




KEY NOTES
1. GRAVEL SURFACE, APPROX 52,469 SF. SEE DETAIL A/C-00-002.
SITE PLAN
C-00-202 - ENLARGED SITE PLAN 2
C-00-302 - GRADING PLAN 2
C-00-402 - UTILITY PLAN 2
PLAN NORTH
DRYING BED
DRYING BED
WATER TREATMENT FACILITY
SETTLING BASIN
EXTENSION BASIN
RAW WATER TANK
FINISHED WATER TANK
PROPOSED BOUNDARY
SITE PLAN
C-00-201 - ENLARGED SITE PLAN 1
C-00-301 - GRADING PLAN 1
C-00-401 - UTILITY PLAN 1
0 60 120
SCALE IN FEET
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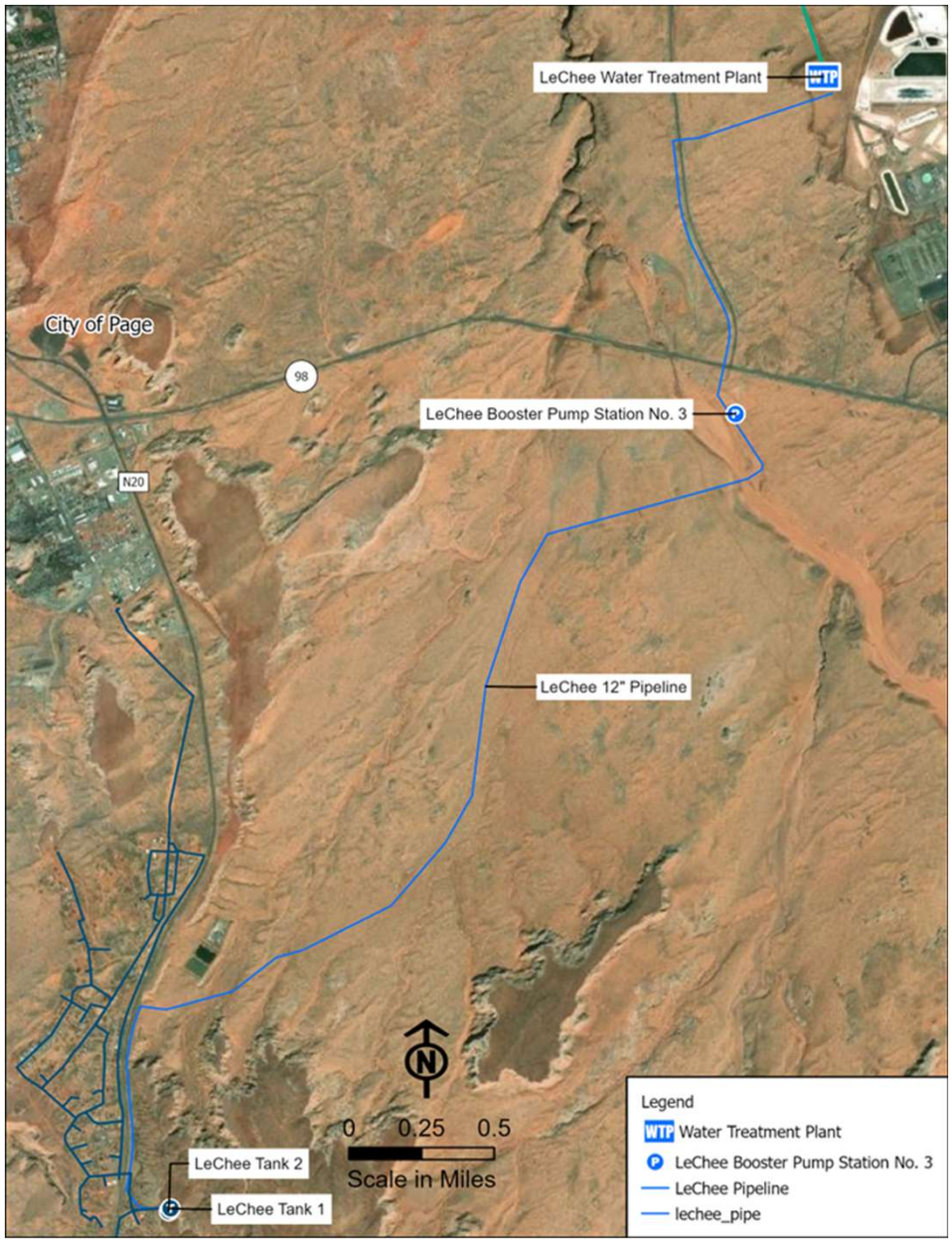
SALT LAKE CITY, UT
GREAT SEAL OF THE NAVAJO NATION
VOLUME 2 - LECHEE WATER TREATMENT PLANT
REVISIONS
REV DATE DESCRIPTION
LINE IS 2 INCH IS AT FULL SIZE
DESIGNED: C. WILLMORE
DRAWN: N. WHIRTY
CHECKED: C. WILLMORE
CHECKED:
APPROVED: S. BRENCHLEY
FILENAME: C-00-200.dwg
BC PROJECT NUMBER 150360
CLIENT PROJECT NUMBER 0310232
CIVIL
OVERALL SITE AND GRADING PLAN
DRAWING NUMBER C-00-200
SHEET NUMBER 16 OF 187

# LeChee Pipeline and Booster Pump Station Project



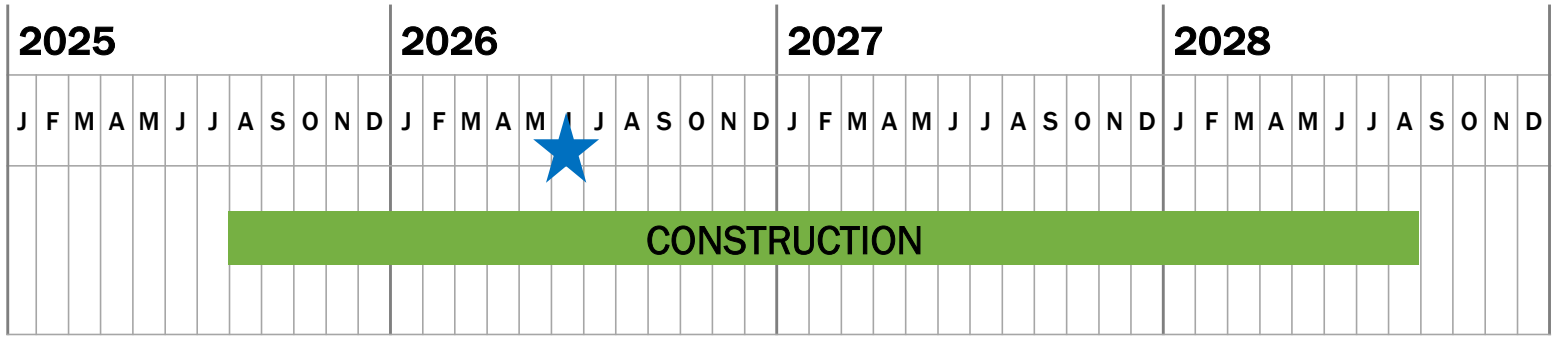

Installation of 5.9 miles of 12-inch transmission pipeline and a 600 gallon per minute booster pump station to transport treated water to existing LeChee storage tanks

# LeChee Water System Improvements

## Project Status:

- Intake: Pumps have been removed from shafts D and E and equipment removed inside the building
- Water Treatment Plant: Grading, site preparation, and preparing for and installing concrete foundations for the tanks, building, and basins is underway.
- Pipeline: Approximately 85% of the pipeline has been installed
- Booster Pump Station: Grading, site preparation, and yard piping has been completed

Project Schedule



# Cameron Booster Pump Stations and PRVs Project

Section 5

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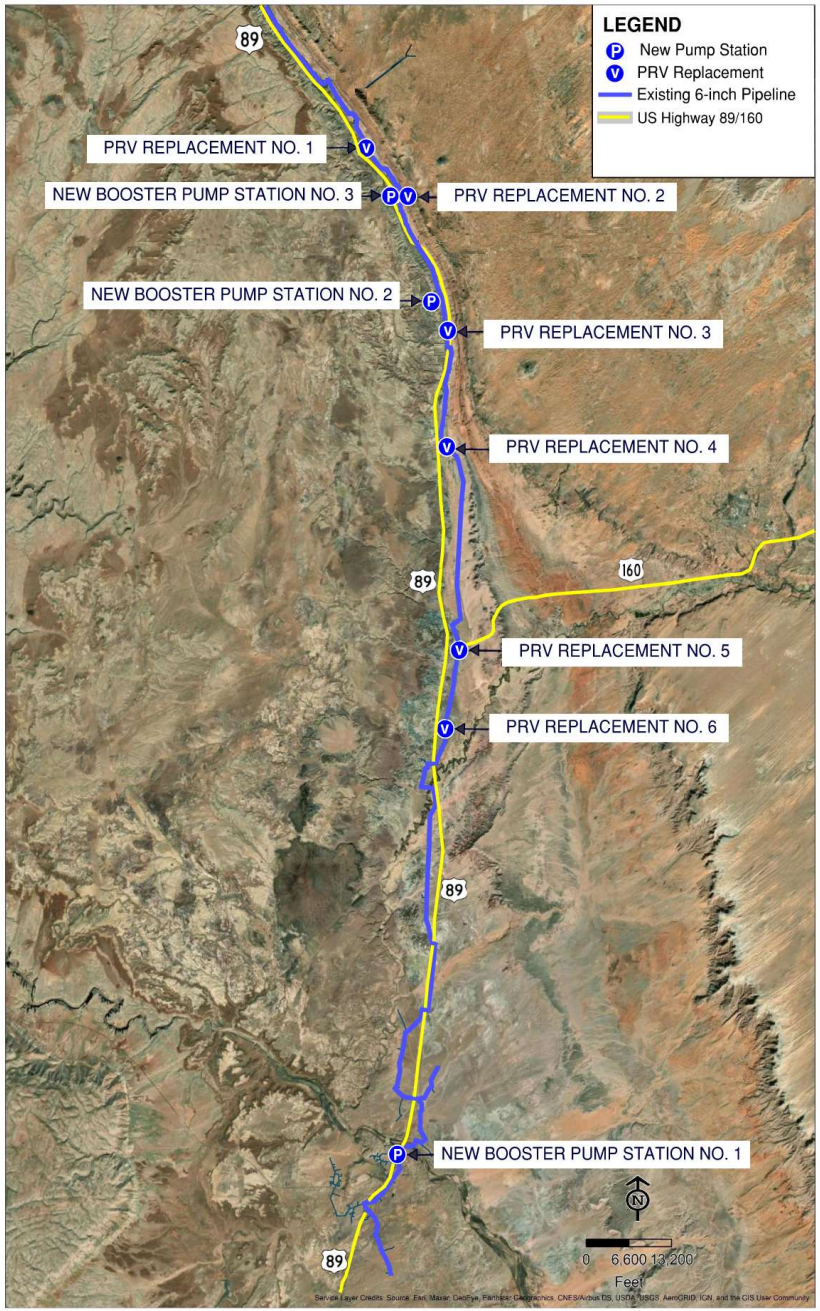
# Cameron Booster Pump Stations Project Includes:



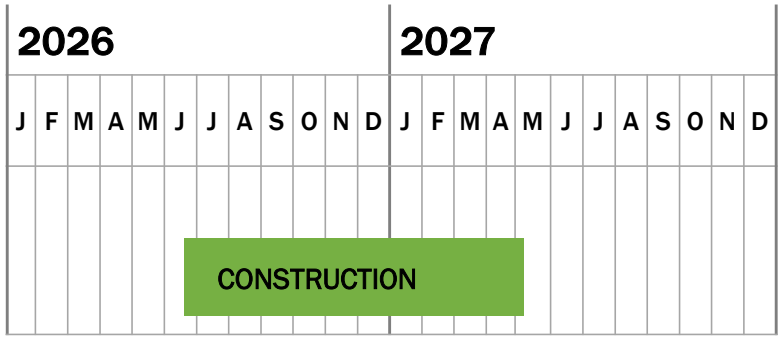

- Booster Station No. 1: This booster pump station will be located ¼-mile south of Cameron Trading Post and approximately ¼-mile north of the Cameron Chapter House.
- Booster Station No. 2: Construction of a new booster pump station with a capacity of 35 gpm located approximately 6.85-miles southeast of the Sinclair Gas Station at Bodaway Gap.
- Booster Staton No. 3: Construction of a new booster pump station with a capacity of 30 gpm located approximately 3.8-miles southeast of the Sinclair Gas Station at Bodaway Gap.
- Construction of a new PRVs to replace existing stations that will allow the increase in water flow to 160 gpm. A total of 6 PRV stations will be replaced between Bodaway Gap and Cameron.

# Cameron Booster Pump Stations Project Status

## Project Status and Planned Construction Activities:

- Construction is scheduled to begin in June 2026 and will go through Spring of 2027
- NECA has submitted a construction schedule and initial material submittals are under review

Project Schedule



# Cedar Ridge Booster Pump Stations and Pipeline Project

Section 6

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# Cedar Ridge Booster Pump Stations and Pipeline Project


The Cedar Ridge project consists of approximately 7.5 miles of 10-inch distribution pipe, replacement of existing Bodaway-Gap Booster Pump Station 1 at a lower elevation (500 gpm booster pump station) and replacement of the existing Bodaway Gap Booster Pump Station 2 (500 gpm booster pump station).

Project is Designed, Additional Funds Needed for Construction

# Western Navajo Pipeline Phase 1 Projects

## Questions?