



North Fork Pipeline and Siphon Replacement Project

Public Information Meeting – May 10, 2017

Why Are We Having This Meeting?

- Introduce Project Proponents

Joint Lead Agencies



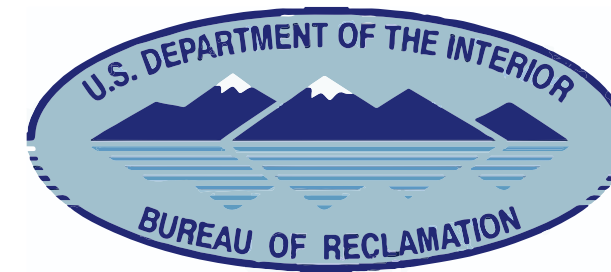
Central Utah Water
Conservancy District



Utah Reclamation Mitigation and
Conservation Commission



U.S. Department
of the Interior –
Central Utah Project
Completion Act Office



U.S. Bureau of Reclamation



U.S. Forest Service
Ashley National Forest

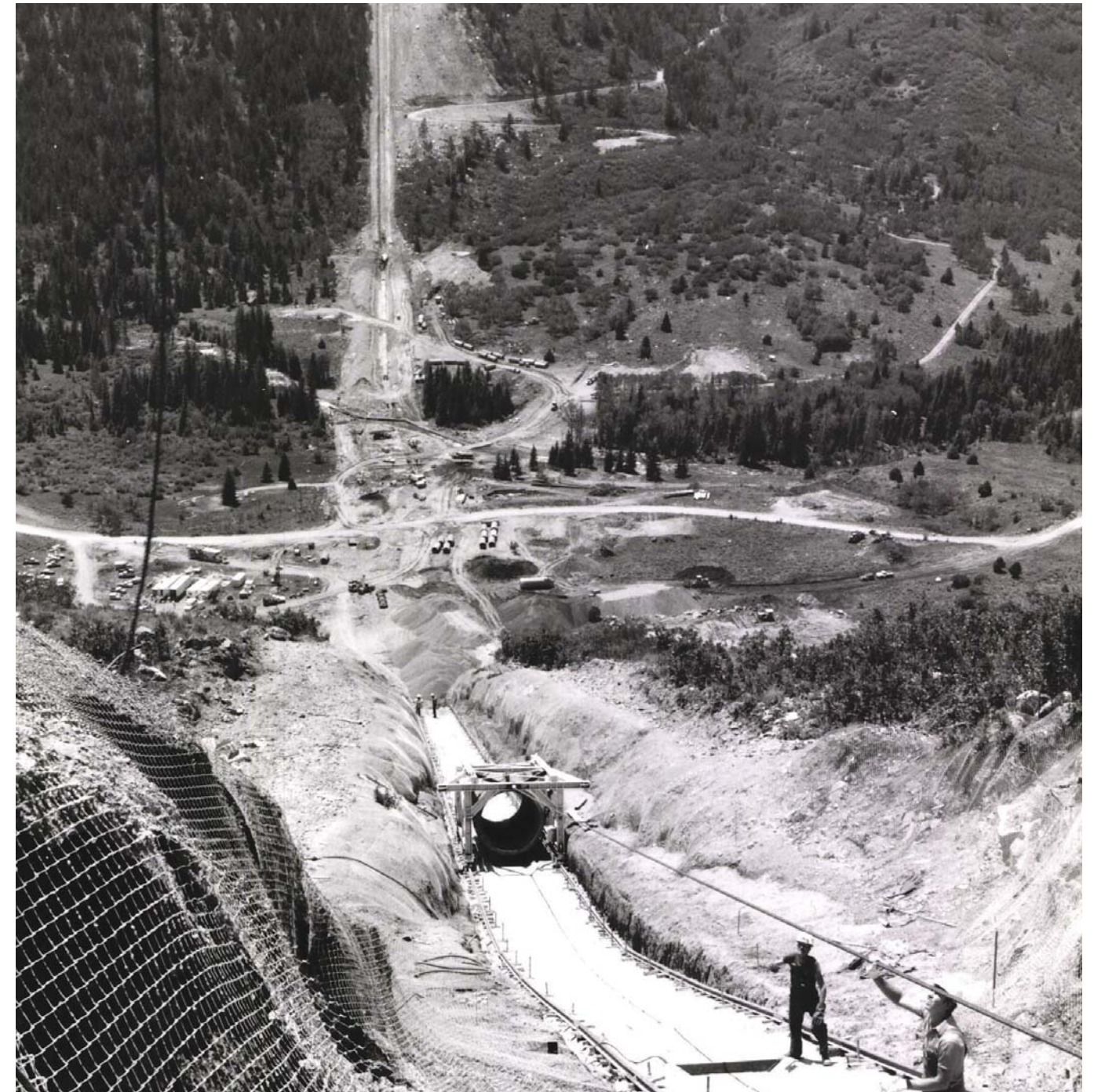
Cooperating Agencies

- Provide information about the North Fork Pipeline and Siphon Replacement Project
- Receive comments, suggestions, and gather information from the public and agencies regarding concerns about the proposed project



North Fork Pipeline and Siphon

- Construction Completed in 1987
 - Pipeline: 90-inch diameter
Approximately 1,545 feet long
 - Siphon: 72-inch diameter
Approximately 4,712 feet long
- North Fork Siphon constructed using Prestressed Concrete Cylinder Pipe (PCCP)



Construction of the North Fork Siphon looking west

Concerns with the North Fork Siphon

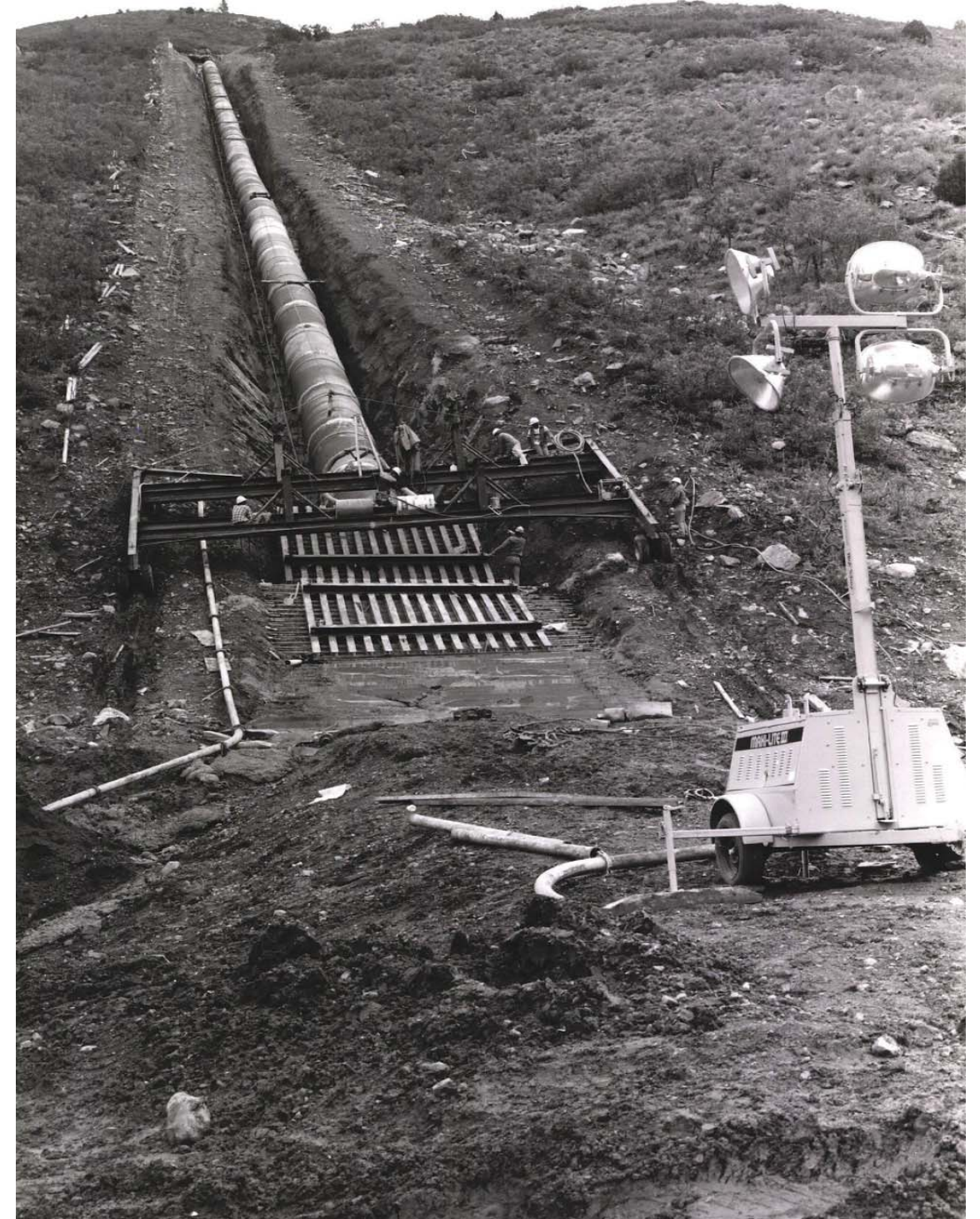
- Multiple inspections of the North Fork Siphon have indicated
 - Cracks
 - Spalling Areas (cracks and bulges that cause concrete to dislodge or break away)
 - Hollow areas
- PCCP has a history of failing. A 2007 report states that since 1955 there have been nearly 600 failures.



Failed PCCP segment in Miami, Florida

Project Need

The proposed action is needed to address the operation, maintenance, and replacement needs of the Strawberry Aqueduct and Collection System (SACS) to maintain its integrity, safety, efficiency, and reliability in order to continue to meet the objectives of the Bonneville Unit of the CUP.



Construction of siphon on east slope

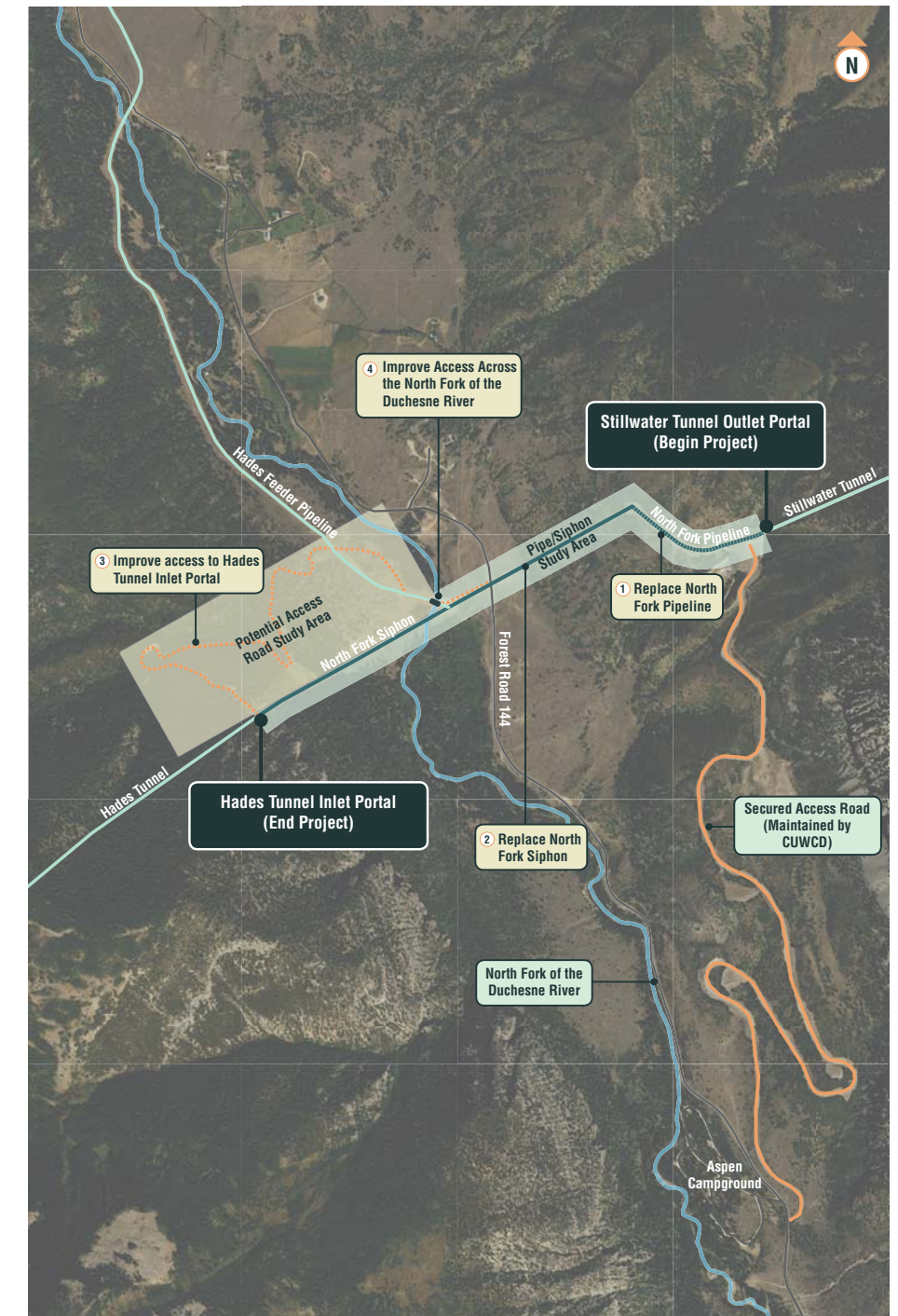
Project Purposes

- Maintain SACS delivery to Strawberry Reservoir
- Meet water delivery obligations
- Replace an aging infrastructure/facility
- Reduce risk of property damage due to failure
- Reduce maintenance
- Minimize environmental impacts during construction
- Continue to safely operate SACS
- Avoid environmental impacts due to failure
- Reduce operation and maintenance costs



Proposed Action

- ① Replace North Fork Pipeline
 - 90-inch welded steel pipe
- ② Replace North Fork Siphon
 - Existing siphon would remain operational during construction and would remain in-place after construction to minimize environmental impacts
 - New siphon would be located either north or south of the existing siphon
 - Environmental Document will evaluate 72-90 inch diameter siphon
- ③ Improve Access to Hades Tunnel Inlet Portal
- ④ Improve Existing Access Across the North Fork of the Duchesne River



Replacement of the North Fork Pipeline

- Segments of the pipeline have settled since construction
- North Fork pipeline may be damaged during the replacement of the siphon
 - Not designed for heavy construction equipment on top of the pipeline



Contractor laying a 40-foot section of the North Fork Pipeline



Construction Coordination

- Access during Construction
 - Forest Road 144 would remain open
 - Access would be provided to campgrounds, private property, Granddaddy Lakes Trailhead and other areas
 - Users may experience incidental delays on Forest Road 144 (15 minutes or less)
 - Advance notices would be provided via project website
 - Joint Lead Agencies would coordinate with Forest Service, permittees, and other users during design and construction
 - Impacts from construction traffic to Forest Road 144 would be repaired as part of the project
- Hillside slopes would be stabilized and revegetated. Other areas impacted by construction would be restored.



No Action Alternative

- Leave the North Fork Siphon in its current state
- Potential for an emergency repair/replacement
 - Increased environmental impacts
 - Canyon shut-down
 - Loss of project water in Strawberry Reservoir
 - Increased construction costs



Contractor laying bedding material for the North Fork Siphon on the west slope

Environmental Resources to be Studied

- Air Quality
- Soils and Geotechnical
- Threatened and Endangered Species
- Wildlife
- Water Resources
- Water Quality
- Groundwater
- Wetlands/Waters of the U.S.
- Economics
- Agricultural Resource
- Wild and Scenic Rivers
- Land Use Policy and Plans
- Visual Resources
- Cultural Resources
- Recreation
- Noise
- Transportation/Access
- Energy
- Hazardous Waste
- Vegetation and Invasive Species
- Social/Environmental Justice
- Public Health and Safety
- Indian Trust Assets



Schedule

	2017 Spring	2018 Spring	2018 Summer - Fall	2019 Spring - Fall	2020 Spring - Fall	2021 Spring - Fall
Environmental Assessment						
Construction			Start Construction (Anticipate 3 years)			Potential 4th Season




How to Submit Comments

Comments Due By **May 19, 2017**

 **Comment Form:** northfork.cuwcd.com

 **Email:** sarah@cuwcd.com

 **Mail:** Central Utah Water Conservancy District
Attn: Sarah Sutherland
355 W. University Parkway
Orem, Utah 84058-7303

 **Submit Comments Tonight**



