



Claude H.
Nix Construction
Jasco Inc.

THE BEST WORK YOU WILL NEVER SEE



**“THEN WE’LL
FLOAT THE PIPE
INTO POSITION.....”
WAIT.....WHAT?!?”**

RED CREEK DAM

The venture consisted of replacing a water outlet system on a Utah mountain reservoir, using a “slipline & grout” rehabilitation solution.

Due to the position of the work area, the reservoir level would have to be drawn down on day one, and then pumped continuously throughout the job in order to maintain a clear work area.

During the inspection of the existing concrete host-pipe a deformed cross section was discovered, requiring extensive grinding and chipping of the pipe to open up the space required for the slipline. Once that challenge was completed, it was time to set some pipe.

It was soon discovered that the surface of the earthen dam was so water-saturated that heavy equipment was unable to traverse it. When a 100,000 lb excavator sunk deep into the mud, the issue quickly became a priority. The answer? Drop over 100 portable crane mats across the mud and build a temporary bridge over the sloppy ground. No road for working access? That’s never stopped the CH Nix crew from finishing a job.

For their final challenge, the team capped off a 510’ section of the slipline pipe, dropped it into the reservoir, and then floated it into position for placement into the host pipe. This method greatly simplified the handling, and allowed them to quickly get the pipe in place. Once the slipline was in position, the annulus area was pumped full of grout, and the upgrade was complete. Once again, mankind triumphs over dirt and water.

After 40 years of devising innovative underground solutions, we’ve got some handy tricks in our toolbox. Give us a call and let’s find a clever solution for your tunneling challenge.

801-479-9000

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Tunnel Specifications

Diameter	Length	Grade	Ground Conditions	Method	Notes
26" Liner 30" Host	5100 Linear Feet	4%	Saturated Earthen Dam Surface	Slipline & Annular Grouting	Reservoir Safety Upgrade

