

# Lonepine Dam and Wetlands Project

**OWNER:** CSKT AND MONTANA DOT

CSKT CONTACT - PETE PLANT, 406-676-2600

MONTANA DOT CONTACT - JOHN BENDA, 406-396-4766

**CONTRACT:** \$3,800,000

**DATES:** 02/07 - 06/08

**ENGINEERING:** U.S. DEPT. OF INTERIOR BUREAU OF RECLAMATION AND IN HOUSE BY CONFEDERATED SALISH & KOOTENAI TRIBES

## **SUBCONTRACTORS:**

JOHNSON FENCING, BRETT JOHNSON, Owner and Tribal Member, 406-741-2370

CARSTENS SURVEYING, STEVE DAY, Contact, 406-883-2672

HOLMAN CONSULTING ENGINEERS (SOILS TESTING SERVICES), CHRIS HOLMAN, Owner, 406-543-3100

**SCOPE OF WORK:** Work included, but not limited to,

- Clearing and grubbing
- Installing BMP's
- Installing toe drain system, sand filter blanket, sand filter drain, and sand chimney drain in dam. Found less expensive alternate source for special drain rock
- Building toe-burm (135,500 bank cubic yards)
- Rip-rap up stream face of dam
- Installed irrigation system on borrow area in order to add sufficient moisture to compacted fill
- Installed geo-tech fabric under entire footprint of toe-burm
- Building concrete channel diversion structure
- Installed farm turn outs on irrigation canal
- Rebuilt 4000' of road, including sub-grade and base coarse gravel
- Installed culverts and drain ditches and storm water run-off ponds
- Developed our own rip-rap and gravel source, one mile from project using our own screen plant
- Installed three cast-in-place measuring flumes
- Building 25 acres of wetland ponds and run off canals, with gravity feed from one pond to the next
- Tilled 500 tons of bentonite into pond bottoms and compacted to seal
- Planted native plants, shrubs, and willows to re-vegetate wetland area
- Also planted special wetlands seed mix for grasses
- Worked simultaneously with CSKT Safety of Dams and Roads Agency and State DOT Agency - maintained a very good working relationship with all parties