



# Project Spotlight

## Flume 4,5,6 & 30 LDCC Fill - Tahoe, CA



Owner: El Dorado Irrigation District  
General Contractor: Syblon Reid Construction

Installer: Cell-Crete Corporation

### Background Information

Emergency projects to rebuild and repair the water delivery system after the Caldor Fire. The Caldor Fire overtook more than 220,000 acres of area, some sections of El Dorado Canal that delivers water supplies from high elevation lakes, specifically Flumes 4, 5, 6 & 30, were destroyed.



### Project Details



It was a very remote area with tight access to the job site. The engineer was looking for a lighter and stronger fill material to protect the flume in case of a landslide. The plan was to have the material exposed permanently. We proposed our class II material with fibermesh and concrete sealer in order to prevent cracking and to prevent any water to penetrate the LDCC. Total concrete canal construction was 1,085 linear feet of steel-reinforced U-channel canal.

### Aerix Added Value

The use of LDCC provided the strength and stability needed for this extensive project, but also sped up the installation process, which resulted in substantial labor and material cost savings. This product has the added value of enhanced compressive strength and is extremely lightweight and incredibly flexible.

