



Outlet Structure to St. Vrain River



Variable Frequency Drive and Switch Gear



Pond C Column Pump

## Project Description

The Shores Lakes is a gravel pit complex located near Firestone in Weld County and consists of four lined cells (Ponds A, B, C, D), which are interconnected via pipelines. The Well Augmentation Subdistrict (WAS) of the Central Colorado Water Conservancy District (CCWCD) had been storing water at the site since 2008. In order to make releases to the St. Vrain River for augmentation needs, temporary floating pontoon pumps were utilized. Prior to the project, Shores Lakes had all the infrastructure necessary for efficient operation except for the inlet and outlet structures and a column pump for Pond C.

In 2018 WAS retained Deere & Ault to design the necessary infrastructure and Concrete Works of Colorado undertook the site work in 2019 and 2020. The completed project provides WAS with operational flexibility including the ability to deliver water by gravity to the St. Vrain River; a unique feature of a gravel pit augmentation pond. The whole Shores Complex is now well designed and an efficiently operated storage vessel.

P R O J E C T   D A T A		
<i>Sponsor:</i> Well Augmentation Subdistrict	<i>County:</i> Weld	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Reservoir Rehabilitation	<i>Board Approval Date:</i> January 2018	
<i>Terms of Loan:</i> 1.65% for 40 years	<i>(Original)</i> \$2,367,440.00	<i>(Final)</i> \$2,367,440.00
<i>Design Engineer:</i> Deere & Ault Consultants Inc.		
<i>Contractor:</i> Concrete Works of Colorado, Inc.		