

Columbia Basin Project - Weber Siphon Complex

The Weber Siphon received \$32.2 million to construct the second siphon barrels to the Weber Branch and Weber Coulee Siphons. The siphon barrels are made of cast reinforced concrete pipe and has an inside diameter of 14 feet 8 inches. It is comprised of 334 individual segments and runs almost 1.5 miles.

Construction began in the Spring of 2010 and was substantially complete in December 2011 in time for the 2012 irrigation season.

The completion of the siphons alleviated a bottleneck in the East Low Canal where the canal crosses Interstate 90 and the Weber Coulee. Water permitted to Reclamation was unable to be fully delivered to Columbia Basin Project land within the Odessa Subarea which has significant groundwater declines.

The additional water delivery through the second siphon barrels will allow land within the Project boundary, currently irrigated by groundwater, to receive surface water. This will help the declining ground water tables and reduce well-pump energy costs.

The project used 4,188 tons of rebar and 8,304 cubic yards of concrete during the construction.

