



Project photos of Leyden Flushing Structure



Project photos of Headgate 53 Retaining Wall



Project photos of Area 15 Lining

Project Description

There are 97 Contractual Users who receive water from Church Ditch. The 2009 Master Plan identifies areas in need of maintenance, modification, or replacement. Since 2009, the Church Ditch Water Authority (CDWA) has been completing the identified maintenance and replacement projects as time and budgets allow. The following five projects were identified as the highest priority for CDWA:

- (1) the Leyden Creek Flushing Structure work included replacement of the aging structure and improving efficiency, safety, and maintenance accessibility;
- (2) the Headgate 53 Retaining Wall project involved repairing a concrete block wall installed as an emergency fix due to the 2013 flood;
- (3) the Area 15 Ditch Lining rehabilitation included lining a ditch section where dewatering by new homes and businesses adjacent to the ditch increased water loss in the ditch;
- (4) the Ford Street Siphon project addressed a 75-year old culvert that was thought to be near the end of its expected lifespan; and
- (5) the Legacy Farms Culvert replacement of an undersized culvert created backwater.

The CDWA concluded that the Ford Street Siphon does not require replacement. The siphon is in good working condition and only required new grout which was applied and paid for by CDWA in 2020. The CDWA also decided to remove the Legacy Farms Culvert and not replace it, but leave the ditch open. The Area 15 Ditch Lining was reduced in length resulting in additional cost savings.

P R O J E C T D A T A		
<i>Sponsor:</i> Church Ditch Water Authority	<i>County:</i> Jefferson	<i>Water Source:</i> Clear Creek
<i>Type of Project:</i> Ditch Systems Improvements		<i>Board Approval Date:</i> July 2017
<i>Terms of Loan:</i> 3.00% for 30 years (<i>Original</i>) \$3,615,800.00 (<i>Final</i>) \$2,236,657.28		
<i>Design Engineer:</i> Ecological Resource Consultants, Inc.		
<i>Contractor:</i> Merdiam Partners, LLC - JL Melton Construction, Inc. - Lillard and Clark Construction Co., Inc.		