SV R3P2 Stream Restoration
Project Monthly Construction Notes: 8/22 to 9/30/2020

Date: 9/30/2020
By: Sharla Benjamin – Boulder County
Otak – General Design Engineering Firm, ECOS – Vegetation Design Firm, Zak Dirt – Contractor, Western States Reclamation – Vegetation Subcontractor
Location: St. Vrain Reach 3 Phase 2, Western Mobile Parcel 2
Project Owner: Boulder County

Work in Progress/Completed:

1. Irrigation Plan and Landscape Installation Plan submittals approved with notes about new water lease agreement needed and Water Commissioner review of pump locations and water meters

2. Ripping, soil amendments, seeding, and hydromulch completed, and irrigation layout initiated, in the Baker & Weese area and the Floodplain Bench and Breach Protection areas

3. Second grout pour for the stop log bay area completed Sept. 29th

4. As-built review initiated for invoice quantity approvals

5. Fish passage channel: selective clearing & grubbing completed including the protection of substantial areas of high-quality vegetation and the removal of invasive trees

6. Fish passage channel: Completion of most of the riffle and pool installations including large and small wood installation and habitat boulders

7. Stockpile haul to off-site locations, surveyed by drone for quantities prior to invoice payment
8-25-20: Upper bypass structure sheetpile in-place and rock placement begins

8-28-20: Clearing and grubbing of fish passage channel begins

9-1-20: Grouting of boulders in stop log bay area of Upper Bypass Structure

9-2-20: Surface of floodplain grading area ready for elevation verification survey
9-18-20: Riffle/pool installation ready for field-fit discussion

9-24-20: Irrigation system installation underway in the floodplain grading area, breach protection area, and Baker & Weese grading area

9-29-20: Second grout pour for stoplog bay completion
9-28-20: Upper bypass structure stop log bay installation underway with final welding and rock placement to occur before the 9/29/20 grout installation (second placement of grout for the project, last grout pour to occur mid-October)
Upcoming Work:

1. Early October second water control phase will be in-place and sheetpile installation will proceed

2. Sheetpile installation to continue Oct. 8-14, including the installation of the 24” boulders and associated grout

3. Type H Void filled riprap installation starting Oct. 19th, downstream of sheetpile

4. Final grading of Fish Passage Channel and completion of habitat features the last week of October; flow test with stop logs to occur afterwards

5. Week of Oct. 5th: set pumps and meters for review by Water Commissioner on Oct. 13th 1:30pm

6. Plant nursery plant material inspections Oct. 20th, pickup on 20th and 21st

7. Soil preparation, amendment, seeding, mulching and planting to start Oct. 21st

8. Maintenance and removal of access/post-construction erosion and sediment control/pollution prevention measures