SV R3P2 Stream Restoration
Project Monthly Construction Notes: 10/1 to 10/30/2020

Date: 10/30/2020
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. Second water control phase initiated and maintained to allow sheetpile installation to proceed

2. Void filled riprap installation initiated downstream of sheetpile

3. Finish grading of Fish Passage Channel and installation of habitat features

4. Review of irrigation system by Water Commissioner on Oct. 13th 1:30pm, review of stop log bay area by Longmont Supply Ditch Company representative Kevin Boden

5. Soil preparation, amendment, seeding, mulching and planting by Western States week of Oct. 21st

6. Maintenance and removal of access/post-construction erosion and sediment control/pollution prevention measures
10-5-20: Starting to move water control to be able to work on south side of stop log bay area of upper bypass structure

10-8-20: Sheet-pile installation progresses

10-15-20: Inspection of mini-excavator for cleanliness and bio-hydraulic fluid installation: used for finish grading fish passage channel
10-13-20: Review of fish passage channel habitat features by USFWS, Otak, BCPOS, and CSU Researcher

10-15-20: Topsoil/compost mix installation along fish passage channel prior to stabilization by Western States

10-15-20: Construction survey checks as finish grading discussions continue, intermittent dewatering impacts on turbidity in the fish passage channel

10-23-20: Soil amendments, seed, hydromulch and blanket installation by Western States
10-23-20: Native plant grouping installation (with mulch) in floodplain bench area and Baker & Weese area
Upcoming Work:

1. Early November grout installation at the upper bypass structure including value-added features for fish passage

2. Rough grading and finish grading of channel upstream of Pool #1, including the installation of the habitat features

3. Riprap installation and other grading around the upper bypass structure

4. Correction of elevation along sheetpile structure to match plans

5. Finish grading of stream transition upstream and downstream of upper bypass structure, including flow test with stop logs and catwalk board installation and testing

6. Final pickup from plant nurseries and plantings after soil amendments, seeding, coir/blanket install

7. Testing of irrigation system

8. Punchlist creation

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