SV R3P2 Stream Restoration
Project Monthly Construction Notes: 12/18/20 to 2/12/2021

Date: 2/12/2021
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. 12/18/20-1/15/21: As-built survey points collected by Zak Dirt with Otak input, review by Otak

2. Nonconformance work identified and memo sent to Zak Dirt on 1/15/21

3. Equipment inspection 2/2 and 2/3 by BCPOS at Zak Dirt yard, mobilization of equipment and material to site, and pit testing to determine extent and nature of work; 2/3 import and placement of soil riprap east of structure utilizing soil material on-site; 2/5 temporary stabilization of site by Zak Dirt including soil surface prep for coir fabric. Western States will complete site stabilization when weather conditions improve.

1-7-21: Stop log bay pullers manufactured, working well. When contract amendment 2 is signed and invoice paid, the manufactured units and the original will be delivered to BCPOS and then to the Ditch Company and Ditch.
1-7-21: Punch list walk through between Zak Dirt and BCPOS
2-3-21 to 2-5-21: Series of Pictures taken by Otak showing the corrective work done by Zak Dirt to ensure sufficient riprap and as-built elevations are installed along river right of the supply channel just downstream of the stop log bay.
2-12-21: Series of Picture showing the work done from 2/3/21-2/5/21 by Zak Dirt prior to 2 week cold spell that prevented Western States from completing the stabilization – stop logs in place showing elevated water and flow through the fish escape section of the stop log bay structure
Upcoming Work:

1. Punch list completion by both Zak Dirt and Western States; Survey As-Built Pay Item incomplete at this time: more information is needed to clarify built locations vs. plan locations and impact to LOMR No-Rise permit and low flow splits to the supply channel vs. the main stem (passage) channel

2. Willow Stakes Pay Item: installation March of 2021

3. Landscape Construction and Establishment Pay Item: Testing of irrigation system to occur early April 2021 when spring thaw occurs, BCPOS training for operation and maintenance during initial spring irrigation system turn-on test, operation during the growing season, and fall shut-down near the end of October 2021 or early November (during the warranty period)

4. General BMP Maintenance Pay Item: maintenance of post-construction erosion and sediment control/pollution prevention measures