Reach 4b SSV1 and SSV2
Weekly Construction updates

Date: 10/18/2017
By: Prashant KC
Location: South St. Vrain, West of Lyons, CO
Project Sponsor: Boulder County

Work in Progress/Completed

1. Complete boulder toe bank stabilization with cobble as filler and face material between main channel St. 92+94 to 94+30 left bank.
2. Complete installation of instream Type 2 large woody structure (priority 1) at main channel St. 89+90 right bank and Type 6 at St 88+00.
3. Installed two type 4 large woody structure at main channel St 92+80 left bank.
4. Construction of riffle crest, face and pool at main channel St. 83+80 and 78+59 in progress.
5. Completed floodplain sill in overflow channel A at St. 10+80.
6. Completed construction of overflow rock ramp structure in overflow channel A and B at St. 4+98 and 5+05 respectively.
7. Spot checks and grade verifications to initiate seeding and plantings in progress.
8. Completed construction of riffle crest, face and pool at main channel St.91+43 and 88+02.
9. Completed fine grading and soil conditioning in overflow channel A and B.
10. Floodplain benching, fine grading and soil conditioning between main St. 73+50 to 94+75 in progress.
11. Completed Fine Grading i.e. low flow, pool and bankline between main channel St. 94+50 to 99+00 in progress.
12. Fine Grading i.e. instream structures, low flow, pool, bank line and cross section between main channel St. 94+50 to 60+50 in progress.
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13. Seeding and plantings in overflow channel F in progress.

Upcoming Work

1. Initiate mass grading of SSV2 project reach between main channel St. 26+50 to 35+50.
2. Installation of erosion control logs in banklines and slope breaks.
3. Final formal walk through with EWP QA team of main and overflow channel instream features, LWS, bank line, channel cross section bank stabilization methods and floodplains.
4. Complete floodplain benching, fine grading and soil conditioning between main St. 73+50 to 94+75.
5. Complete main channel fine grading, bank contours, low flow profile instream features and design cross section between main channel St 60+50 to 94+50.
6. Haul off excess excavated inert material to Quarry and placement to specification from SSV2 project reach.
7. Continue survey of channel centerline, bankline, project limits, instream and floodplain features and as-builts.

Other Notes

1. Verification of instream features and floodplain grading.

Downstream view: Type 2 large woody structure at main channel St. 89+90 right bank.

Downstream View: Boulder toe bank stabilization with cobble as filler and face material between main channel St. 92+94 to 94+30 left bank.
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Spot checks and grade verifications of right flood plain between St. 74+00 to 82+50.

Perennial tubelings staged for riparian areas.

Downstream View: Soil Conditioning in progress in right floodplain adjacent to main channel St. 86+50.

SSV2 staging area with project limits delineated