

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.



Downstream View, Right bank: Creek platform, floodplain benching, fine grading and soil conditioning between main St. 84+50 to 88+00.



Downstream View: Buried rock ramp and confluence of overflow channel A and main channel.

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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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Perennial tubelings staged for riparian areas.



Spot checks and grade verifications of right flood plain between St. 74+00 to 82+50.



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



SSV2 staging area with project limits delineated



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources



**Parks &
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USDA
United States Department of Agriculture
Natural Resources Conservation Service