

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 9/28/2017

By: Laura Jones

Location: South St. Vrain, West of Lyons, CO

Project Sponsor: Boulder County

Work in Progress/Completed

1. Established staging areas and delineated limits of construction for SSV2 (downstream section) between main channel St. 26+50 to 35+50.
2. Built barbed wire gate at entrance to SSV2.
3. Installed tracking pad and construction fence for SSV2.
4. Staked channel centerlines for SSV2.
5. Staged wood straw, riffle rock, and wattles at SSV2 staging area.
6. Grading of overflow channel C to revised elevations is in progress.
7. Completed installation of one Type 5 large wood structure (priority 1), right floodplain adjacent to main channel St. 97+30 and one Type 2 large woody structure (priority 1), left bank at St. 94+40.
8. Constructed riffle crest, face and pool at main channel St.94+20, 96+84 and 99+53.
9. Mass grading of floodplain from St. 79 to 100 complete.
10. Fine grading of floodplain on river left St. 62+00 – 76+00 complete.
11. Fine Grading i.e. low flow , pool and bankline between main channel St. 73+00 to 78+00 completed.
12. Amended river left floodplain substrate with compost and fertilizer St. 70+00 – 77+00.
13. Installation of boulder toe bank stabilization feature between main channel St. 92+94 to 94+30 in progress.



Looking upstream at a constructed Type 5 large wood structure at St. 97+30, right floodplain.



Floodplain grading on the left floodplain, St. 93.

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14. Placed topsoil on overflow channel E knickpoint structure at St. 5+95.
15. Adding compost and fertilizer to floodplain St. 95+00 – 99+50
16. Overflow channel A grading completed.
17. Imported remaining boulders and one additional semi of wood straw.
18. Material haul-off and disposal at the Lyons Quarry is ongoing.

Upcoming Work

1. Construction of riffle structures in main channel St.91+50, 88+00 and 83+50.
2. Install sill in overflow channel B
3. Install rock ramp in OFC B St. 4+75.
4. Complete fine grading of floodplain St. 80 - 100
5. OFC C fine grading
6. Turn main channel into new channel at St. 93
7. Continue construction generated inert material haul offsite to Quarry.
8. Continue survey of channel centerline, bankline, project limits, instream and floodplain features.

Other Notes

1. Verification of instream features and floodplain grading.



Installation of boulder toe at St. 93 – 94 in progress.



Construction of type 2 large wood structure at St. 94+40

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SSV2 staging area with construction fence, vehicle tracking control and limits of construction was established.



Overflow channel C was regraded with a deeper elevation profile. Fine grading will continue at this location.



Floodplain grading at St. 78. Excavated material (foreground) is staged for hauling off to the quarry.



The surveyor checks elevations during floodplain grading refinement at St. 70, floodplain left of the main channel.



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