

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 8/30/2017

By: Prashant KC

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

Project Sponsor: Boulder County

Work in Progress/Completed

15. Mass grading, floodplain benching and realignment of proposed main channel between St. 66+50 to 77+00.
1. Boulder toe bank stabilization between main channel St. 66+00 to 70+80 in progress.
2. Completed installation of Type 1 Large woody structure at 68+80 and 71+90.
3. Completed installation of Type 5 Large woody structure at 70+50 and overflow channel C St. 7+60.
4. Completed soil conditioning in overflow channel C.
5. Fine grading and bank contours between main channel St. 60+50 to 64+00 in progress.
6. Channel grading for Knick point stabilization rock structures in overflow channel E in progress.
7. Fine grading of overflow channel B .
8. Mass grading between main channel St. 88+00 to 92+00 and harvesting channel substrate for coarse mix.
9. Rock screening operation in progress to generate rock mix of specified classes from overflow channel B and main channel St. 88+00 to 92+00
10. Imported Large woody materials from SSV3 project.
11. Longitudinal profile grading (fill) and soil conditioning in overflow channel D completed.



Downstream View: Mass grading of proposed main channel realignment between St. 66+50 to 77+00.



Downstream View: Floodplain benching adjacent to main channel St. 66+50 to 77+00.

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Upcoming Work

1. Complete boulder toe bank stabilization between main channel St. 66+00 to 70+80.
2. Fine grading of main channel cross section between St. 66+50 to 77+00
3. Install Type 5 and Type 3 Large woody Structure at main channel St. 72+20 and 74+80 respectively .
4. Three Knick point stabilization rock structures in overflow channel E.
5. Construction of Riffle crest , face and pool at main channel St and 73+19 and 75+89.
4. Stripping native streambed from existing main channel for replacement between main channel St. 88+00 to 92+00 .
5. Continue construction generated inert material haul offsite to Quarry.
6. Install Beaver Dam analogue posts in overflow channel E St. 3+30 and 1+25.
7. Continue removing and harvesting flagged trees (6-12"and 12" + DBH).
8. Continue survey of channel centerline ,bankline , project limits, instream and floodplain features and as-builts.

Other Notes

1. Construction sequencing and active communication for LWS , rock structures and bank stabilization features .



Upstream view: Installation of Type 1 Large woody structure at 71+90



Upstream View: Boulder toe bank stabilization between main channel St. 66+00 to 70+80

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Upstream view: Fine grading and bank contours between main channel St. 60+50 to 64+00 in progress



Upstream view: Installation of Type 5 Large woody structure at overflow channel C St. 7+60.



Downstream View: channel grading for Knick point stabilization rock structures in overflow channel E



Installation of Type 5 Large woody structure at 70+50



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Natural Resources Conservation Service