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.
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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