Reach 4b SSV1 and SSV2
Weekly Construction updates

Date: 9/6/2017
By: Prashant KC
Location: South St. Vrain, West of Lyons, CO
Project Sponsor: Boulder County

Work in Progress/Completed
1. Completed Construction of riffle crest, face and pool at main channel St and 70+49.
2. Completed mass grading, floodplain benching and realignment of proposed main channel between St. 66+50 to 77+00.
3. Completed Boulder toe bank stabilization between main channel St. 66+00 to 70+80.
4. Willow cuttings in boulder toe in progress.
5. Completed installation of Type 3 Large woody structure at 74+80.
6. Main channel mass grading and floodplain grading right bank between St. 78+00 to 82+00 in progress.
7. Completed three Knick point stabilization rock structures in overflow channel E.
8. Main channel substrate replacement, mass grading between main channel St. 88+00 to 92+00 in progress.
9. Ongoing rock screening operation at St. 85+00 to generate rock mix of specified classes from main channel St. 88+00 to 92+00 and 78+00 to 82+00.
10. Restored access to overflow channel E construction.
11. Chipping operation to be mixed in floodplain with soil conditioning in progress.
12. Soil Conditioning in constructed floodplain between St. 66+50 to 71+00 in progress.

Downstream View: Riffle face construction at main channel St. 70+49
Downstream View: Installation of Type 3 Large woody structure at main channel St. 74+80 right bank
Upcoming Work

1. Continue main channel substrate replacement, mass grading between main channel St. 83+00 to 92+00 in progress.
2. Continue main channel mass grading and floodplain grading right bank between St. 78+00 to 83+00 in progress.
3. Install Type 5 Large woody Structure at main channel St. 72+20.
4. Install two Type 6 Large woody Structure adjacent to main channel St. 75+60
5. Construction of Riffle crest, face and pool at main channel St 73+19 and 75+89.
6. Stripping native streambed from existing main channel for replacement between main channel St. 88+00 to 92+00.
7. Overflow channel E grading and installation of Knick point stabilization rock structures at St. 5+95.
8. Willow Cuttings in existing riprap right bank between main channel St. 44+50 to 47+00.
9. Continue construction generated inert material haul offsite to Quarry.
10. Install Beaver Dam analogue posts in overflow channel E St. 3+30 and 1+25.
11. Continue survey of channel centerline, bankline, project limits, instream and floodplain features and as-builts.

Other Notes

1. Proactive planning for revegetation elements.
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Unclassified excavation disposal and compaction at Quarry site.

Dust abatement around main staging area and internal access routes.

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

Rock screening operation at main channel St. 85+00