Reach 4b SSV1 and SSV2
Weekly Construction updates

Date: 8/16/2017
By: Prashant KC
Location: South St. Vrain, West of Lyons, CO
Project Sponsor: Boulder County

Work in Progress/Completed

1. Completed floodplain Type 6 large woody structure at main channel St. 62+50.
2. Completed construction of riffle crest, face and pool at main channel St. 62+40 and 65+09.
3. Floodplain benching left back between main channel St. 61+70 to 64+00.
4. Longitudinal profile grading (fill) of overflow channel D.
5. Relocation of existing power pole at main channel St. 87+50 and 71+60 by August 23.
6. Fine grading and offsite disposal of excavated materials from overflow channel C between St. 8+60 to 12+80.
7. Floodplain benching, mass grading and salvaging onsite embedded rocks for several design structures between main channel St. 78+00 to 81+50.
8. Fine grading of channel main cross section between St. 60+50 to 64+00.
9. Main channel mass grading and native stream substrate replacement between St 66+00 to 74+00.
10. Rock screening operation in progress to generate rock mix of specified classes from overflow channel B.
11. Large woody materials sourcing from Swede Lake project.
12. Inert material disposal, compaction and testing at quarry site in progress.
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Upcoming Work
1. Harvest willow stakes from overflow channel D and C and surrounding floodplain subject to active grading.
2. Construction of Riffle crest, face and pool at main channel St and 70+50.
3. Construction of floodplain sill at overflow channel C St. 10+50 and 5+20.
4. Preparation to install LWS at main channel 64+00
5. Knick point stabilization rock structures in overflow channel C and E.
6. Stripping native streambed between main channel St. 66+00 to 74+00.
7. Install Beaver Dam analogue posts in overflow channel E St. 3+30 and 1+25.
8. Continue removing and harvesting flagged trees (6-12” and 12” + DBH).
9. Continue survey of channel centerline, bankline, project limits, instream and floodplain features and as-builts.

Other Notes
1. Conservation measures for MBTA and others in progress.
2. Design clarification and field fit of rock and large woody structures.
3. Adjustments of schedule projections depending on task complexity and available resources.
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Downstream view: Main channel mass grading and material haul offsite between St 66+00 to 74+00.

Harvesting willows and cottonwood poles

Setting elevation of riffle crest St. 65+09

Downstream view: Installation of riffle crest at St. 67+80.