

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 9/13/2017

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 73+19 and 75+79.
2. Completed installation of Type 5 Large woody structure at St. 72+20.
3. Completed Installation two Type 6 Large woody Structure adjacent to main channel St. 75+60.
4. Completed mass grading, floodplain benching and realignment of proposed main channel between St. 66+50 to 77+00.
5. Floodplain grading and bank contours between main channel 85+00 to 99+50 , left floodplain in progress.
6. Floodplain grading and bank contours between main channel 85+00 to 90+00 and 95+00 to 98+50 right floodplain in progress.
7. Completed main channel substrate replacement, mass grading between main channel St. 83+00 to 92+00.
8. Cobble toe bank stabilization feature between main channel St. 66+50 to 76+50 in progress.
9. Soil Conditioning in constructed floodplain between St. 66+50 to 71+00 completed.
10. Main channel mass grading and floodplain grading right bank between St. 78+00 to 82+00 in progress.
11. 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 .
4. Completed installation of Beaver Dam analogue posts in overflow channel E St. 1+25.



Upstream View: floodplain grading between main channel St. 85+00 to 93+50



Downstream View: floodplain grading between main channel 85+00 to 93+50

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Upcoming Work

1. Continue floodplain grading and bank contours between main channel 85+00 to 99+50.
2. Continue floodplain grading and bank contours between main channel 85+00 to 90+00 and 95+00 to 98+50 right floodplain.
3. Continue cobble toe bank stabilization feature between main channel St. 66+50 to 76+50 .
4. Continue stripping native streambed from existing main channel for replacement between main channel St. 88+00 to 92+00 .
5. Soil Conditioning in constructed floodplain between St. 71+00 to 77+00 left floodplain.
6. Construction of riffle crest , face and pool at main channel St.96+84 and 99+53.
7. Install Type 5 Large Woody structure adjacent to main channel St. 97+30, 97+55 and 98+50.
8. Overflow channel E grading and installation of Knick point stabilization rock structures at St. 5+95.
9. Willow Cuttings in existing riprap right bank between main channel St. 44+50 to 47+00.
10. Continue construction generated inert material haul offsite to Quarry.
11. Install Beaver Dam analogue posts in overflow channel E St. 3+30
12. Continue survey of channel centerline ,bankline , project limits, instream and floodplain features and as-builts.



Downstream view: main channel substrate replacement and bank contours between main channel St. 90+00 to 93+00



Upstream View: Mass grading, floodplain benching and realignment of proposed main channel between St. 66+50 to 77+00

Other Notes

1. Proactive planning for revegetation elements .

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Cobble toe bank stabilization feature between main channel St. 66+50 to 76+50.



Type 5 Large woody structure at St. 72+20



Floodplain grading and bank contours between main channel 95+00 to 99+50 , right floodplain in progress.



Beaver Dam Analogue poles installation in progress.



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