

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 11/02/2017

By: Prashant KC

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

Project Sponsor: Boulder County

Work in Progress/Completed

1. Completed clearing and grubbing , limits delineation and stakeouts in SSV2 project reach.
2. Completed removal of 6-12 inch DBH and 12+ inch DBH trees to be incorporated in instream structures.
3. Mass grading of SSV2 project reach between main channel St. 26+50 to 35+50 in progress.
4. Completed pre-final punch list implementation of creek planform, profile and instream structures of SSV1 project reach.
5. As-built profile survey of creek thalweg and connected floodplain of main and overflow channels in SSV1 project reach in progress.
6. Completed fine grading i.e. instream structures, low flow , pool, bank line , cross section and boulder clusters between main channel St. 74+50 to 60+50.
7. Completed Installation of riparian seeding, perennial tubelings and wood straw mulch in overflow channel A and B as depicted in plans.
8. Completed Installation of riparian seeding, perennial tubelings and wood straw mulch in overflow channel C, D, E, F as depicted in plans.
9. Completed Installation of Erosion control logs at upper banks and mid slope of tall banks in SSV1 project reach.
10. Completed installation of erosion control blankets at downstream end of overflow channel A, B,C and F.
11. Harvesting cottonwood poles and willows for plantings.
12. Restoration of Internal access and haul routes in SSV1 project reach in progress.



Downstream View: Right floodplain grading of SSV2 project reach between St 29+50 to 32+00



Upstream View: Right floodplain grading adjacent to main channel St. 33+80 to 35+50.

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Upcoming Work

1. Installation of Type 2 (priority 2) large woody structure at main channel St. 32+25 right bank.
2. Construction of riffle crest , face and pool at main channel St. 33+28 and 30+61.
3. Complete main channel fine grading , bank contours , low flow profile instream features and design cross section between main channel St . 26+50 to 35+50.
4. Complete floodplain benching, fine grading and soil conditioning between main channel St 26+50 to 35+50.
5. Installation of erosion control logs in banklines and slope breaks.
6. Upland and combine seeding in banks and floodplains.
7. Trees, shrubs and poles plantings starting from St. 99+60.
8. Haul off excess excavated inert material to Quarry and placement to specification from SSV2 project reach.
9. Continue survey of channel centerline ,bankline , project limits, instream and floodplain features and as-builts.

Other Notes

1. Verification of instream features and floodplain grading.



Upstream view: Installation of erosion control blankets at downstream end of overflow channel A.



Upstream View: Erosion control blanket and wood straw mulch installed in overflow channel B.

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Upstream View: Completed fine grading and boulder clusters between main channel St. 74+50 to 60+50.



Restored Internal access and haul route in SSV1 project reach adjacent to main staging area.



Downstream view: Installation of erosion control blankets at downstream end of overflow channel F.



Shrub and tree containers at staging area.



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