

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 11/08/2017

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. 33+28.
2. Completed installation of Type 2 (priority 2) large woody structure at main channel St. 32+25 right bank.
3. Mass grading of SSV2 project reach between main channel St. 26+50 to 35+50 in progress.
4. Completed as-built profile survey of creek thalweg and connected floodplain of main and overflow channels in SSV1 project reach.
5. Completed Installation of willow cuttings in existing riprap, left floodplain and bank lines between St. 97+50 to 93+00 as depicted in plans.
6. Completed Installation of willow cuttings in cobble toe, right bank between St. 99+40 to 97+00 as depicted in plans.
7. Completed fill placement testing of deposited materials in Quarry.
8. Demobilization of heavy equipment and restoration of main staging area in SSV1 reach in progress.
9. Harvesting cottonwood poles and willows for plantings.
10. Restoration of Internal access and haul routes in SSV1 project reach in progress.



Upstream View: Construction of riffle crest , face and pool at main channel St. 33+28 .



Downstream View: Mass grading between main channel St. 26+50 to 35+50 in progress.

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Upcoming Work

1. Construction of riffle crest , face and pool at main channel St. 30+61.
2. 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.
3. Complete floodplain benching, fine grading and soil conditioning between main channel St 26+50 to 35+50.
4. Installation of erosion control logs in banklines and slope breaks.
5. Upland and combine seeding in banks and floodplains.
6. Trees, shrubs and poles plantings starting from St. 99+60.
7. Haul off excess excavated inert material to Quarry and placement to specification from SSV2 project reach.
8. 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.



Downstream view: As-built profile survey of creek thalweg and connected floodplain .



Deposited and compacted unclassified excavation materials in Quarry.

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Left Floodplain: Installation of willow cuttings in existing riprap, left floodplain and bank lines between St. 97+50 to 93+00 .



Right Bank: Installation of willow cuttings in cobble toe, right bank between St. 99+40 to 97+00



Upstream view: Right floodplain grading between St. 30+80 to 27+00.



Willow stakes installed in floodplain



COLORADO
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Conservation Board
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**Parks &
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USDA
United States Department of Agriculture
Natural Resources Conservation Service