

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 11/15/2017

By: Prashant KC

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

Project Sponsor: Boulder County

Work in Progress/Completed

1. Widened approach cross section of Old St. Vrain bridge at right wing wall.
2. Completed construction of riffle crest , face and pool at main channel St. 30+61.
3. Completed 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. Completed floodplain soil conditioning of SSV2 project reach.
5. As-built profile survey of creek thalweg and connected floodplain of main and overflow channels of SSV2 project reach in progress
6. Upland and combined seeding of SSV1 project reach is substantially completed.
7. Planting trees and shrubs at right floodplain adjacent to main channel St. 90+00 to 93+50.
8. Completed installation of fascines between main channel St. 75+12 to 74+41, left bank.
9. Completed Wood mulch between St. 99+50 to 83+50.
10. Completed Installation of willow cuttings in cobble toe, right bank between St. 91+29 to 88+50 as depicted in plans.
11. Completed fill operation in Quarry and final shaping done.
12. Harvesting cottonwood poles and willows for plantings.
13. Completed restoration of Internal access and haul routes in SSV1 project reach.



Upstream View: fine grading of SSV2 project reach between main channel St. 26+50 to 35+50.



Upstream View: floodplain soil conditioning of SSV2 project reach in progress.

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Upcoming Work

1. Complete floodplain benching, fine grading and soil conditioning between main channel St 26+50 to 35+50.
2. Installation of erosion control logs in banklines and slope breaks in SSV2 project reach.
3. Complete Upland and combine seeding in banks and floodplains in SV1 project reach.
4. Trees, shrubs and poles plantings in SSV1 project reach.
5. Demobilization of heavy equipment and restoration of main staging areas on SSV1 project reach.
6. Continue survey of channel centerline ,bankline , project limits, instream and floodplain features and as-builts.

Other Notes

1. Verification of vertical and horizontal locations of revegetation elements.
2. Making sure all civil task are completed prior to revegetation commencement.



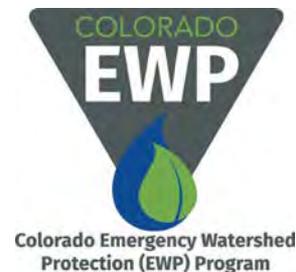
Downstream view: Widened approach cross section of Old St. Vrain bridge at right wing wall.



Upstream View: Completed riffle at main channel St. 30+61

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Upstream View: Planting trees and shrubs at right floodplain adjacent to main channel St. 90+00 to 93+50



Left floodplain : Installation of wood mulch



SSV2 project reach planform after fine grading.



Deposited and compacted unclassified excavation materials in Quarry.



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