

# Reach 4b SSV1 and SSV2

## Weekly Construction updates



**Date: 10/26/2017**

**By: Prashant KC**

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

**Project Sponsor: Boulder County**

### Work in Progress/Completed

1. Pre-final punch list implementation of creek planform, profile and instream structures of SSV1 project reach.
2. Profile as-built of key points was surveyed for field fit of rifle-pool-run sequence and versatility to channel planform.
3. Final formal walk through of SSV1 project reach main channel, overflow channel and functional floodplain with EWP QA team which includes instream features , LWS, bank line , channel cross section and bank stabilization methods.
4. Completed construction of riffle crest , face and pool at main channel St. 83+80 and 78+59 .
5. Channel complexity established in overflow channel A and C by widening the channel at certain stations.
6. Spot checks and grade verifications to initiate seeding and plantings in progress.
7. Completed and verified floodplain benching, fine grading and soil conditioning between main St. 73+50 to 94+75
8. Fine Grading i.e. instream structures, low flow , pool, bank line and cross section between main channel St. 74+50 to 60+50 in progress.
9. Completed Installation of riparian seeding, perennial tubelings and wood straw mulch in overflow channel C, D, E, F.
10. Installation of Erosion control logs at upper banks and mid slope of tall banks.



Downstream View, left bank: Pre-final punch list implementation of riffle structure sequence at St. 91+60



Final formal walk through of SSV1 project reach with EWP QA team

# Reach 4b SSV1 and SSV2

## Weekly Construction updates



**Date: 10/26/2017**

**By: Prashant KC**

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

**Project Sponsor: Boulder County**

### Upcoming Work

1. Complete final punch list implementation of creek planform, profile and instream structures of SSV1 project reach.
2. Complete as-built profile survey of creek thalweg and connected floodplain of main and overflow channels.
3. Installation of erosion control logs in banklines and slope breaks.
4. Complete main channel fine grading , bank contours , low flow profile instream features and design cross section between main channel St 60+50 to 74+50.
5. Completed Installation of riparian seeding, perennial tubelings and wood straw mulch in overflow channel A and B.
6. Install erosion control blankets in areas with perennial tubelings and riparian seeding .
7. Upland and combine seeding in banks and floodplains.
8. Trees, shrubs and poles plantings in SSV1 project reach.
9. Initiate mass grading of SSV2 project reach between main channel St. 26+50 to 35+50.
10. Haul off excess excavated inert material to Quarry and placement to specification from SSV2 project reach.
11. 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.



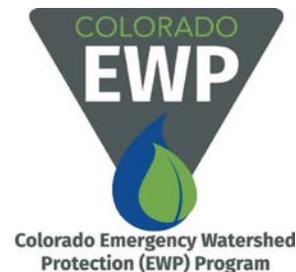
Upstream view: Perennial Tubelings being installed at downstream end of overflow channel F



Upstream View, left bank: Hammer drilling to install perennial tubelings in overflow channel E

# Reach 4b SSV1 and SSV2

## Weekly Construction updates

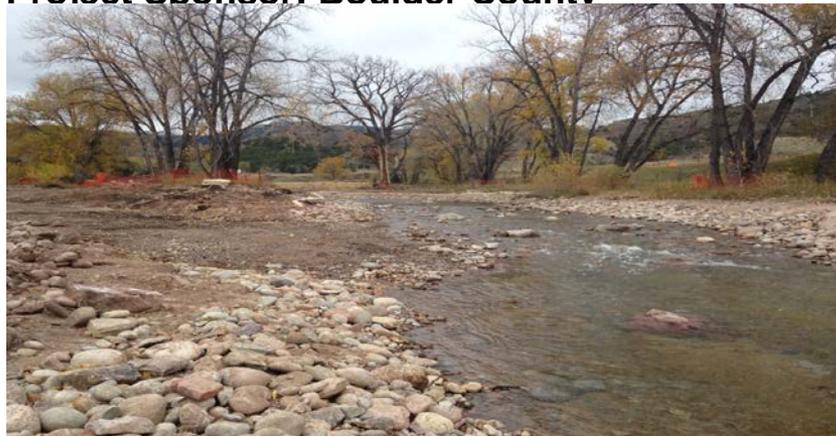


**Date: 10/26/2017**

**By: Prashant KC**

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

**Project Sponsor: Boulder County**



Upstream View: Down stream connection of overflow channel B with Main channel for backwater effect



Upstream View: Completed fine grading of main channel between St. 76+00 to 82+50 and soil conditioned floodplain.



Upstream view: Perennial Tubelings being installed at downstream end of overflow channel C



Downstream View: Wood straw mulch installed in overflow channel D



**COLORADO**  
Colorado Water  
Conservation Board  
Department of Natural Resources



**Parks &  
Open Space**

**USDA**  
United States Department of Agriculture  
Natural Resources Conservation Service