

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 8/3/2017

By: Prashant KC

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

Project Sponsor: Boulder County

Work in Progress/Completed

1. Stormwater inspections and permit compliance.
2. Clearing and grubbing and removal of debris within project limits.
3. Completed construction of riffle rock structure between main channel St. 45+50 to 46+30
4. Continue construction of internal haul and access routes in progress.
5. Rock outfall construction in overflow channel F at St. 2+50 in progress .
6. Sort, screen, & stockpile creek bed and floodplain materials from overflow channel F and between main channel St. 80+00 to 88+00.
7. Main channel mass grading and native stream substrate replacement between St. 80+00 to 88+00.
8. Main channel mass grading and native stream substrate replacement between St. 59+00 to 77+00.
9. Rock screening operation in progress to generate rock mix of specified classes from overflow channel F and B.
10. Removing and harvesting flagged trees (6-12" and 12" + DBH)
11. Inert material disposal at quarry site in progress.



Mass grading and preparation to install rock structure in overflow channel F



Mass grading and preparation to replace native bed substrate between St. 86+50 to 88+00

Upcoming Work

1. Fine grading and soil conditioning in Overflow Channel F .
2. Rough excavation of overflow channel C and E in preparation to install Knick point stabilization rock structures.
3. Preparation to install LWS at main channel St 52+00 and 64+00.

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4. Clearing and grubbing, removal of flagged trees and stripping native streambed between main channel St. 59+00 to 77+00.
5. Sort, screen, & stockpile creek bed and floodplain materials between main channel St. 59+00 to 77+00.
6. Haul excess material from overflow channel F and B to disposal site and compact to specification.
7. Continue Sort, screen, & stockpile creek bed and floodplain materials from overflow channel F and B.
8. Install Beaver Dam analogue posts in overflow channel E St. 3+30 and 1+25.
9. Continue removing and harvesting flagged trees (6-12" and 12" + DBH).
10. Installation of large woody structure (Type 6) at overflow channel F St. 5+60.
11. Continue survey of channel centerline, bankline, project limits, instream and floodplain features and as-builts.
12. Complete aerial drone survey.

Other Notes

1. Continue effort to gather Large woody material per project needs.
2. Material testing to meet specification.
3. Continuous coordination with design team and contractor to standardize means and method to construct instream wood and rock structures.



Rock Screening operation



Material disposal at Quarry site

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Rough excavation of overflow channel B



Riffle rock structure with Habitat boulders between main channel St. 45+50 to 46+30



Main channel mass grading between St. 80+00 to 88+00.



Native stream substrate replacement between St. 80+00 to 88+00.



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