

Reach 4b SSV1 and SSV2

Weekly Construction updates



Date: 7/27/2017

By: Prashant KC

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

Project Sponsor: Boulder County

Work in Progress/Completed

1. Project mobilization , project controls setup, BMP's, traffic control plan implementation, delineation of project limits.
2. Clearing and grubbing and removal of debris within project limits.
3. Construction of internal haul and access routes in progress.
4. Unclassified excavation and mass grading in overflow channel F .
5. Sort, screen, & stockpile creek bed and floodplain materials from overflow channel F.
6. Rock screening operation in progress to generate rock mix of specified classes.
7. Removing and harvesting flagged trees (6-12"and 12" + DBH).
8. Pre-deposition survey of Lyons quarry waste material disposal site completed.
9. Weekly site meeting from 10 – 11 AM every Tuesday.
10. Construction of Temporary low water crossing to inert material disposal site completed.

Upcoming Work

1. Continue mass and fine grading in Overflow Channel F .
2. Haul excess material from overflow channel F to disposal site and compact to specification.
3. Continue Sort, screen, & stockpile creek bed and floodplain materials from overflow channel F.



Before Construction: Confluence of main channel and overflow channel F looking upstream



During Construction: Confluence of main channel and overflow channel F looking upstream

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4. Continue removing and harvesting flagged trees (6-12" and 12" + DBH).
5. Installation of riffle rock structure between main channel St. 45+50 to 46+30.
6. Installation of large woody structure (Type 6) at overflow channel F St. 5+60.
7. Installation of overflow rock ramp at overflow channel F St. 2+50.
8. Continue survey of channel centerline, bankline, project limits, instream and floodplain features and as-builts.
9. Installation of large woody structure (Type 2) at main channel St. 52+00.
10. Complete aerial drone survey.



Construction of Temporary Low Water Crossing to material disposal site.

Other Notes

1. Continuous coordination with design team and contractor to standardize means and method to construct instream wood and rock structures.
2. Design evaluation of available large woody materials for compatibility.
3. QA/QC of rock screening operation.
4. MBTA surveys conducted before site disturbance.
5. Initial work sequence from main channel St. 44+00 to 58+00.



Onsite large woody material evaluation

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Main staging area



Harvesting trees and rocks for large woody and rock structures



Rock screening operation for rock structures at OFC St. 2+50 and main channel St. 45+50.



Woody material staged in preparation for large woody structure installation at main channel St. 56+50



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