## 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

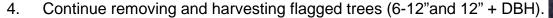
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- 5. Installation of riffle rock structure between main channel St. 45+50 to 46+30.
- 6. Installation of large woody structure (Type 6) at overflow channel F St. 5+60.
- 7. Installation of overflow rock ramp at overflow channel F St. 2+50.
- 8. Continue 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.

#### **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.





Construction of Temporary Low Water Crossing to material disposal site.



Onsite large woody material evaluation

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Main staging area



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



Harvesting trees and rocks for large woody and rock structures



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





