

Hall Ranch II Access Road Repair and Hazard Mitigation Weekly Construction updates

Date: 04/24/2018

By: Prashant KC

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

Work in Progress/Completed

1. Completed Boulder toe bank stabilization construction between main channel St 123+85 to 127+42.
2. Switching pilot channel to river right for cobble toe construction.
3. Completed stripping/excavation and new compacted soil lifts of temporary low water crossing which were verified through field density tests to ensure compaction efforts were adequate.
4. Excavation of low water crossing ditch outfall tie-ins in progress.
5. Excavation of creek substrate to design profile and alignment in progress.
6. Proposed flood plain tie-in to existing grade/contour in progress.
7. Construction of bank line and road subgrade at washout location between main channel St 123+85 to 126+00 in progress.
8. Subgrade grading of road alignment in progress.
9. Periodic horizontal and vertical verifications of active and planned construction elements.
10. Construction stakeout of road/stream profile , cross section and slope breaks.
11. Hauling excess excavated material to Lyons Quarry and fill/compact to specification.



Looking Downstream: Completed construction of boulder toe bank stabilization .



Looking upstream: Excavation of low water crossing ditch outfall tie-ins in progress.



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Upcoming Work

1. Complete construction of compacted soil lifts to design subgrade of existing low water crossing for re-surfacing .
2. Complete ditch outfall and floodplain tie-ins.
3. Complete excavation of creek low flow substrate to design profile and alignment .
4. Installation of 9-inch riprap and soil-filled riprap above boulder toe per plans.
5. Fine floodplain grading and topsoil placement.
6. Place and compact Aggregate base course per re-surfacing plans.
7. Structural excavation for proposed concrete low water crossing and elliptical culverts.
8. Form and pour new concrete Low water crossing
9. Continue monitoring permanent wetland impacts .
10. Continue material disposal in Lyons Quarry.

Other Notes

1. Field fits to match site conditions .



Looking downstream: Periodic horizontal and vertical verifications of active and planned construction elements.



Tree removal at Boulder toe alignment