



# Hall Ranch II Access Road Repair and Hazard Mitigation

## Weekly Construction updates

**Date: 05/01/2018**

**By: Prashant KC**

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

### Work in Progress/Completed

1. Completed cobble toe river left bank line construction.
2. Continue constructing compacted soil lifts at washout location and verification through field density tests to ensure compaction efforts.
3. Completed excavation of downstream ditch profile to creek outfall .
4. Completed fine grading of creek design profile , low flow channel and alignment.
5. Completed river left flood plain tie-in to existing grade/contour and top soil placement.
6. Construction of slope breaks, bank line and road subgrade at washout location between main channel St 123+85 to 126+00 in progress.
7. Subgrade grading of road alignment in progress.
8. Hauling excess excavated material to Lyons Quarry and fill/compact to specification.



**Looking Downstream: construction of compacted soil lifts at washout road location.**



**Looking downstream: cobble toe river left bankline construction.**



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## Upcoming Work

1. Complete Aggregate base course road re-surfacing between St 1+25 to 22+75
2. Complete construction of slope breaks, bank line and stabilization at washout location between main channel St 123+85 to 126+00.
3. Installation of 9-inch riprap and soil-filled riprap above boulder toe per plans.
4. Top soil placement and revegetation at banks, floodplain, ditch and disturbed areas.
5. As-built creek profile, cross section, key points, floodplain grading and tie-ins.
6. Place and compact Aggregate base course per re-surfacing plans.
7. Structural excavation of proposed concrete low water crossing and elliptical culverts.
8. Form and pour new concrete Low water crossing
9. Continue monitoring permanent wetland impacts .
10. Complete material disposal and spread in Lyons Quarry.
11. Restore all access roads and staging areas.



**Looking upstream: River left floodplain tie-ins and top soil placement.**



**Looking downstream: Construction of low flow channel**



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**Looking downstream: excavation of downstream ditch profile to creek outfall .**



**Material disposal in Lyons Quarry**