



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

**Date: 05/15/2018**

**By: Prashant KC**

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

## Work in Progress/Completed

1. Completed installation of 9-inch riprap and soil-filled riprap with soil anchor above boulder toe between main channel St 123+85 to 126+00 per construction plans.
2. Completed upstream and downstream creek cross sectional tie-ins.
3. Completed As-built of creek profile, cross section, key points, floodplain grading and tie-ins.
4. Completed ditch outfall and fine grading of design profile.
5. Completed willow install and boulder clusters per BCPOS direction.
6. Subgrade grading of road alignment in progress.
7. Completed Hauling excess excavated material to Lyons Quarry and fill/compact to specification.



Looking upstream: Completed bank line and slope stabilization .



Looking Upstream: Tie -in with upstream low flow transition.



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## Upcoming Work

1. Incorporation of As-built data into post construction model to verify proposed conditions.
2. Install 12 inch CMP to manage impounding water adjacent at road St. 4+10.
3. Complete Aggregate base course road re-surfacing between St 1+25 to 22+75.
4. Complete field density testing of finished road surface.
5. Install elliptical culverts at new Low water crossing.
6. Form and pour new concrete Low water crossing.
7. Top soil placement and revegetation at banks, ditch and disturbed areas.
8. Hydro mulch all revegetated areas.
9. Restore all access roads and staging areas.



**Looking downstream: Willow installation in river left bank and boulder clusters in low flow channel.**



**Looking downstream: fine grading of low water crossing ditch.**



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**Looking upstream: Ditch outfall.**



**Subgrade grading of road alignment in progress**