

SVR3 EWP Stream Restoration

Project Weekly Construction Notes: 2/19 to 2/23/2018



Date: 2/26/2018

By: Sharla Lovern – Boulder County

EA – General Design Engineering Firm, ERC – Stream Design Engineering Firm,

ecos – Vegetation Design Firm, ACC Mountain West -- Contractor

Location: St. Vrain Reach 3 – multiple work sites

Project Sponsor: Boulder County

Work in Progress/Completed:

1. Winter weather conditions slowed work this week (no work Tuesday, late start Wednesday and Thursday, early end to the day Friday, no work Saturday) and delayed work on some tasks;
2. Breach 1 borrow for in-stream work and bank stabilization;
3. Mulch spreader equipment inspection for future delivery;
4. Rootwad inventory walk with ERC, ACC, BCPOS representatives;
5. Type C bank stabilization preparatory work between Sta. 49+00 and Sta. 62+00;
6. Breach 2 access road perimeter fencing to limit disturbance to Preble's habitat and limit impact for erosion and sediment control;
7. Project sign installation at Breach 2;
8. Breach 2 review of construction staking LOD and new survey for topo and cut/fill;
9. Breach 2 access road construction from the embankment top to the bottom of the borrow area to allow for staging of materials during breach repair;
10. Maintenance of access/erosion/pollution prevention measures.



2-19-18: No further work this week on seeding and erosion control blanket installation



2-19-18: Snow cover remained all week with some sun Friday morning before more snow rolled in

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Upcoming Work:

1. Breach 1 in-stream and bank stabilization work;
2. Breach 6 repair: clay completion, riprap completion, and embankment;
3. Breach 2 repair and in-stream work downstream of Breach 2 (Sta. 126+00 to Sta. 109+00);
4. Continue streambank stabilization locations and stream channel work between Hygiene Road bridge and 63rd Street bridge;
5. Continue material sorting as needed;
6. Willow plantings and placement of amended topsoil/seed/mulch or erosion control blanket placement at completed locations;
7. Continue development of punch lists for finished sections of work;
8. Continue surveys for migratory birds/raptor nesting; transfer of responsibility from BCPOS to Contractor once Sensitive Data Agreement signed;
9. Finalize/update work change directives and update schedule related to grant extension from 2/27/18 to 5/25/18;
10. Maintenance of access/erosion/pollution prevention measures.



2-22-18: Rootwad inventory walk with ERC, ACC, BCPOS representatives



2-23-18 : Friday AM continued Breach 2 access road construction from the embankment top to the bottom of the borrow area to allow for staging of materials during breach repair

Notes:

1. Modified Type C bank stabilization detail was sent to NRCS for review. BCPOS/Design Team received NRCS comments and will respond the week of 2/26/18.
2. The 2-14-18 water quality concern/investigation at Sta. 53+00 continued: A gray layer in the stream was encountered when excavating the new in-stream pool feature. Disturbance of this layer produced excessive turbidity due to minor flow through the area, even though the work area was off-line from the stream and the majority of flow. A sample of the turbid water was taken by ACC with 7.4 pH results the next day, and a sample of the turbid water and the gray layer was taken by EA for results on 2/20/18. EA's test results also showed the layer to not be a concern for toxicity. The gray layer appears to be disintegrating bedrock shale, as seen elsewhere in the region. ACC maintains precautions to minimize turbid water releases downstream.