

# BERTHOUD NEIGHBORHOOD (GREEN BRIDGE) LITTLE THOMPSON RIVER FLOODPLAIN REHABILITATION

## Weekly Construction Notes

**Date:** 24 January 2017

**By:** Theodore Bender

**Location:** Green Bridge Site on the Little Thompson River

**Project Sponsor:** Little Thompson Watershed Coalition

## Work in Progress/Completed

1. Rootwad installation from Sta 0+50 up to Sta 1+60 is complete.
2. Gallery zone floodplain bench grading on the left bank from Sta 5+00 up to Sta 9+00 is complete.
3. Survey: Channel and floodplain staking.
4. On site material sorting to create needed design gradations.
  - a. The design gradation has been met.
5. Coarse channel grading downstream of bridge from Sta 4+75 to Sta 22+00.
6. Fine channel grading with bed material to include riffles and pools from Sta 0+50 to 4+75.

## Upcoming Work

1. Stacked boulder protection around the Green Bridge.
2. Final floodplain grading downstream of bridge.
3. Stacked Boulder bank installation at Sta 10+00.
4. Rootwad retrieval and stockpiling.

## Other Notes

1. Seepage flow is being pumped from the main channel into the diversion channel to allow construction in the dry.
2. Ongoing discussion about shape and length of Elgin Ditch.



Figure 1 – Looking downstream near Sta 7+00 at the floodplain grading in the gallery zone on the left bank. Coarse channel grading is underway at right.



Figure 2 – Looking downstream at fine channel grading near Sta 4+00. Design channel bed material has been placed.