Lake 4, West Lake and A-Frame Dam Rehabilitation
Weekly Construction Update Report
10/28/2019 to 11/1/2019

Date: 11/8/2019

Project Owners: Boulder County and St. Vrain & Left Hand Water Conservancy District
Location: Boulder County Open Space west of Hygiene, CO
Contractor: Kirkland Construction

Weather & Site Conditions: Snow on ground, cold weather
Update by: Obadiah Broughton, Boulder County

Work in Progress/Completed
1. Snow event on Tuesday 10/29, and Wednesday 10/30. Kirkland did not work, though dewatering continued.
2. Lake 4 Dam excavation at the dam breach has begun.
3. Lake 4 Dam existing manhole and outlet pipe was demo’d and excavated.
4. West Lake Dam embankment excavation for sub-grade for West Lake outlet structure was paused due to snow conditions.
5. Lake 4 Dam slurry wall was located by contractor. Needs field verification by design engineer (EA).
6. Continued dewatering operations to remove nuisance water in Lake 3, Lake 4 and West Lake.

Upcoming Work (One to three week look ahead)
1. Clearing and grubbing of the Lake 3 embankment and strip/stockpile topsoil as appropriate.
2. Continued demolition/excavation of West Lake Dam embankment and begin concrete forming for West Lake outlet structure.
3. Begin excavating to subgrade in Lake 3 work area.
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4. Finalize sub-grades and foundations for West Lake tower and outlet pipe. Prepare forms, rebar and pour concrete.
5. Finalize sub-grades and foundations for Lake 4 Dam towers. Prepare forms, rebar and pour concrete.
6. Import clay material to project site for West Lake and Lake 4 dam reconstruction.
7. Continue to build haul roads in lake bottoms and adjacent to Lake 4 Dam spillway to facilitate sediment removal and work.
8. Begin Lake 4 sediment excavation for Lake 3 embankment reconstruction.
9. Continued dewatering operations to remove nuisance water from project site.

Additional Notes
1. Weekly construction process meeting on 10/29 was canceled due to weather.
2. Weekly water quality testing occurred on Friday Nov 1st at the dewatering terminal discharge outfall into St. Vrain Creek.

Looking west on 10/31: Identification of the slurry wall in the southside of the Lake 4 embankment breach.

Looking southwest on 10/31: Excavation of Lake 4 Dam of manhole structure and outlet pipe.
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10/31: Demo’s Lake 4 manhole and outlet pipe.

11/1: Exposed existing Lake 4 outlet pipe.

Looking east on 10/28: Dewatering discharge outfall above the St. Vrain Creek.