Lake 4, West Lake and A-Frame Dam Rehabilitation
Weekly Construction Update Report
2/24/2020 to 2/28/2020

Date: 3/10/2020
Location: Boulder County Open Space west of Hygiene, CO
Project Owners: Boulder County and St. Vrain & Left Hand Water Conservancy District

Construction Contractors:
- Kirkland Construction (Prime Contractor)
- Lobato Construction (Sub-contractor)

Design Engineers:
- Lake 4 - Engineering Analytics (EA)
- West Lake and A-Frame - Applegate Group (AG);
- Lake 4 Outlet Pipeline - Deere & Ault (DA)

Weather & Site Conditions: Cool weather some snow on ground
Update by: Obadiah Broughton, Boulder County

Work in Progress/Completed
1. Lake 4 upstream embankment (Lake 3 embankment) repair and reconstruction - Clay core and zone 3 filter sand installation continued, with clay tie-in around the original slurry wall on the south and northsides of excavation. Lake 4 flood deposited sediment is being used as fill in the embankment.
2. Lake 4 downstream embankment - Outlet pipe foundation forms were set and rebar was tied & covered in preparation for concrete.
3. Lake 4 upstream embankment (Lake 3 embankment) - 259 Tons of Zone 3 sand, 776 Tons of 18” rip rap, and 64 loads of clay were imported to the site for elements of the dam reconstruction. The clay were hauled from Swede Lake to Lake 3.
4. West Lake - Outlet pipe encasement was poured in two stages on Tuesday (2/25) and Friday (2/28).
5. West Lake - 450 Tons of Zone 3 sand was imported to the site for elements of the dam reconstruction.
6. A-Frame Pond - The cutoff wall foundations and sub-grade at the A-Frame Pond outlet were excavated east of N.61st street.
7. Continued dewatering operations to remove nuisance water in Lake 4, Lake 4 and West Lake and to drawdown the water levels in A-Frame Pond to facilitate the work.
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Upcoming Work (One week look ahead. Week of 3/2/2020 to 3/6/2020)
1. Lake 4 upstream embankment/dam (Lake 3 embankment) - continue placing clay core and zoned embankment.
2. Lake 4 downstream embankment/dam – pour concrete in the outlet pipe foundation between outlet towers;
3. Lake 4 flood deposited sediment removal – haul and place excavated material unsuitable for embankment fill into the sediment disposal area within West Lake.
5. Lake 4 Outlet Pipeline – begin excavation of manhole #1 to prep for manhole placement and to facilitate locating the existing outlet pipeline.
7. Continue dewatering operations to remove nuisance water from project site.

Additional Notes
1. February 25th Weekly construction process meeting was held at the jobsite trailer.
2. N. 61st and 63rd streets between SH 66 and Hygiene Rd. will be temporarily closed to thru traffic for up to two months starting as of Jan. 20.
2/27: Lake 4 upstream embankment (Lake 3 embankment reconstruction - Clay core and zone 3 filter sand installation.

2/27: Lake 4 flood deposited sediment removal.

2/27: Lake 4 flood deposited sediment disposed into West Lake.
Longmont, CO Weather History ★ Home

🌟 50° VANCE BRAND STATION (/WEATHER/US/CO/LONGMONT/KLMO?CM_VEN=LOCALWX_PWSDASH) | CHANGE ▼

HISTORY (/HISTORY/DAILY/US/CO/LONGMONT/KLMO)

- TODAY (/WEATHER/US/CO/LONGMONT/KLMO)
- HOURLY (/HOURLY/US/CO/LONGMONT/KLMO)
- 10-DAY (/FORECAST/US/CO/LONGMONT/KLMO)
- CALENDAR (/CALENDAR/US/CO/LONGMONT/KLMO)
- HISTORY (/HISTORY/DAILY/US/CO/LONGMONT/KLMO)
- WUNDERMAP (/WUNDERMAP?LAT=40.17&LON=-105.16)
## Summary

### Temperature (° F)

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