

Drainage & Flood Control

Montclair Storm Project At Ferril Lake

Nominating Agency:
City & County of Denver, Public Works Department

Significant Accomplishments:

The Montclair Storm Project entailed conversion of Ferril Lake in Denver's City Park into a storm water detention facility as well as rehabilitation of the lake itself. The project's goal was decrease flooding in the Montclair basin and improve the park. The project was a model of cooperation between Denver's Public Works Department and Parks and Recreation Department.

Key Challenges:

1.) Extremely short construction season: The lake started draining in October 2006 and needed to be full by June 1, 2007. The park irrigation system depended on a full lake. During this season, the



DENVER
THE MILE HIGH CITY

following work occurred:

- 90,000 cubic-yards of muck was removed;
- 25,000 cubic-yards of material was excavated;
- 250 feet of a historic wall was reconstructed, and
- 700 feet of a concrete edger and riprap.

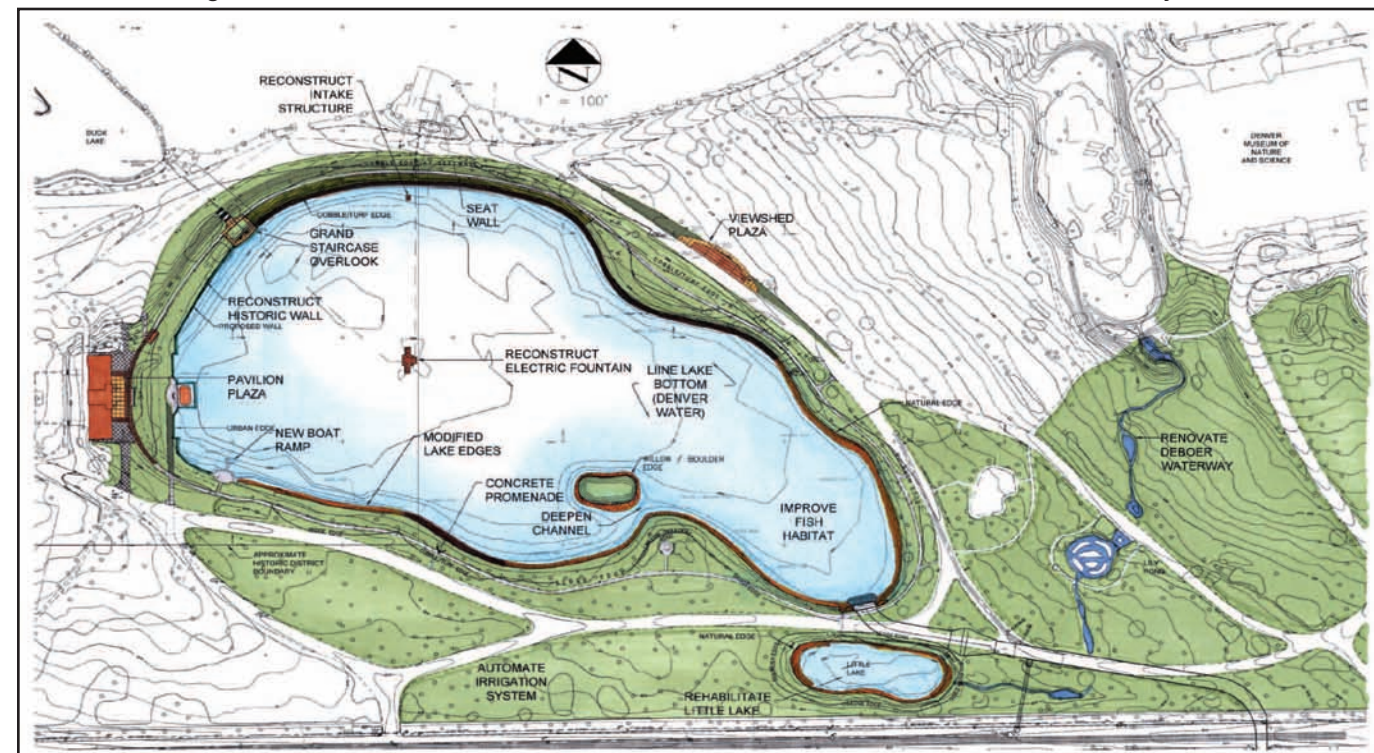
2.) Construction of a large, cast-in-place box culvert and connector pipe including:

- 620' of 24'x13' Reinforced Concrete Box;
- 170' of Double 35'x9'2" Reinforced Concrete Box,
- 105' of Double 55'x7'2" (Variable width and height) Reinforced Concrete Box, and
- 545' of 96" Reinforced Concrete Pipe.

3.) Reconstruction of the historic fountain in Ferril Lake which was originally constructed in time for the 1908 Democratic Nation Convention held in Denver.

4.) Improvements to Park included:

- 6050 feet of reconstructed roadways;
- 4350 feet of concrete sidewalk around the lake;
- Reconstruction of the historic DeBoer Waterway;



- Construction of two plaza areas, and
- Extensive automated irrigation construction.

The City and County and the three special districts were able to endorse an Intergovernmental Agreement after receiving and addressing significant input from stakeholders.

Nomination Summary: City and County of Denver recently turned the historic Ferril Lake in Denver's City Park into a dual-use facility: storm water detention and recreation. This effort allowed the city to leverage resources in creating a 120 acre-feet off-line detention facility and improving a valuable city amenity. This effort included dredging the lake and the construction of

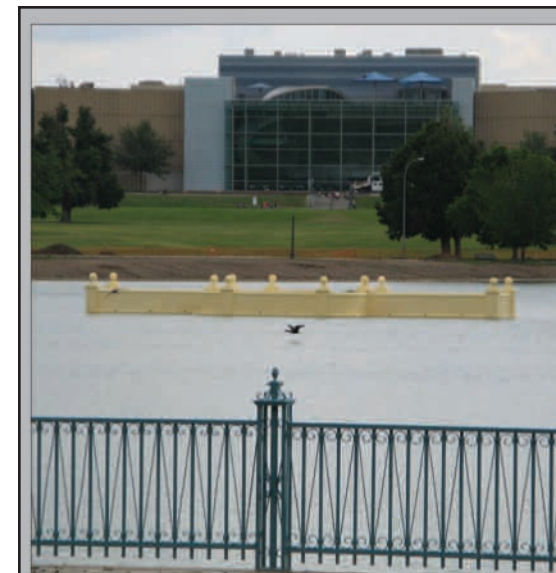
Congratulations, Denver!
WHPacific is a professional services firm providing clients with engineering, architecture, surveying and planning services. We are organized in six business lines: Architecture, Building Engineering, Land Development, Transportation, Water Resources and Surveying. We have 17 offices located in eight western states including a local office in Lakewood.

WHPacific
whpacific.com

PARSONS
parsons.com

concrete works of colorado, inc.
concreteworksofcolorado.com

new roads, pedestrian paths, plaza areas, reconstructed historic walls, 4000 feet of new lake edge, 950 feet of cast-in-place reinforced concrete box, 545 feet of 96-in. RCP, and a significant irrigation replacement program. ●



FOUNTAIN AT FERRIL LAKE/CITY PARK

CONCRETE PAVING
CONCRETE FLATWORK
EXCAVATING
STORM/SANITARY SEWER
WATER LINE
TRAFFIC CONTROL
GRADING
CONCRETE STRUCTURES
BRIDGE & ROAD
CONSTRUCTION

concrete works of colorado, inc.



FOOTHILLS PARKWAY/ARAPAHOE AVE.

303.665.2933
www.concreteworksofcolorado.com