

CITY PARK GOLF COURSE REDESIGN

DENVER, CO

OWNER: City and County of Denver | Denver, Colorado
ENTERING FIRM: Martin/Martin Consulting Engineers | Lakewood, Colorado



UNIQUENESS AND INNOVATION

The City Park Golf Course (CPGC) Redesign project incorporated a 100-year-old historic drainpipe, located under the western section of the site, into an integral part of the water quality and detention pond conveyance system.

PUBLIC PERCEPTION

The project team hosted public meetings to inform residents surrounding the CPGC, as well as interested golf enthusiasts, on the progress of the design work. Presentations provided information on the benefits new site-specific storm drainage would offer the surrounding homes, which experienced recent urban flooding.

SUSTAINABLE DEVELOPMENT

Project drainage design captures water from the Montclair watershed, diverting it through three levels of water quality mechanisms, including:

- 2,200 cubic foot offline trash separation vault capturing large refuse
- One-plus acre pretreatment forebay — pollutant settlement for removal
- 2,000 linear foot rate-based treatment wetland channel — promoting biological uptake

These three water quality features reduce water contaminants collected from one of the largest watersheds in the heart of Denver, before ultimately draining into the South Platte River.

COMPLEXITY

CPGC includes a 200-plus acre-foot regional detention pond capable of withstanding a 100-year flood event. Design and construction placed the highest priority on the preservation of on-site trees, including nearly all perimeter trees, while integrating an 18-hole golf course.

FULFILLMENT

The project continues to be a jewel in the heart of the city, not only offering an exceptional golf experience, but also flood protection to surrounding homes and improved stormwater quality leaving the city center.



One-plus acre pretreatment forebay



Forebay construction