

Paradise Lane 16-Inch Reclaimed Waterline

Surprise, Arizona

Dibble provided design engineering and construction phase services for approximately 2 miles of 16-inch diameter reclaimed water main within the Paradise Lane, Bullard Avenue, Park View Place, and Young Street rights-of-way between Statler Boulevard and Bell Road Lake. The new main was connected to the existing 16-inch reclaimed water main within Statler Boulevard by cutting a portion of the existing main and installing a new tee. The new reclaimed water main terminates at Bell Road Lake.

The design is an expansion of the City's existing reclaimed water distribution system from the South Wastewater Reclamation Facility. This project provides the City a continuous reclaimed water main from the SPA1 South Reclamation Facility to the Bell Road Lake with stub outs for future connections and keeps the Bell Road Lake filled for use as an irrigation water supply. The reclaimed water is an important asset to the City and is part of their water management program. The existing and future developments along the alignment will be able to use reclaimed water instead of potable water for irrigation.

The reclaimed main was designed to be operated and maintained by the City and includes air release valves, below grade flushing hydrants, and bacteriological sample stations to check water quality.

Dibble's construction phase services included management and oversight of the construction management team, technical submittal review, RFI responses, work change directives, change order review, construction progress meetings, site visits, and project closeout.



Client:
City of Surprise