

# LANDSCAPE IRRIGATION AND IRRIGATION WATER MANAGEMENT



## BOTANIC GARDEN IRRIGATION AUDIT

CITY OF FORT WORTH

At the renowned Fort Worth Botanic Garden, failure of any portion of the landscape irrigation system could result in catastrophic losses. Our team audited the system and recommended distribution and control improvements and automatic raw water filtration. These solutions will result in a more efficient system with conserved water, fewer failures and lower maintenance costs.

**FREESE AND NICHOLS PROVIDES A WIDE RANGE OF LANDSCAPE IRRIGATION WATER MANAGEMENT SERVICES** to clients. We offer an advantage to our clients in that we work closely with water system purveyors, government authorities and owner-operators for comprehensive water management and conservation.

Through our many decades of project experience with water conservation, we have developed an in-depth understanding of the issues and

challenges faced by owner-operators of varying size and complexity. Freese and Nichols' team of TCEQ-licensed landscape irrigators and EPA WaterSense® certified landscape irrigation auditors develop environmentally conscious water management programs that reflect our clients' top concern – the efficient management of landscapes at the least cost for water and irrigation system maintenance.





## SPORTS FIELD AND CAMPUS IRRIGATION SYSTEM

### WEATHERFORD COLLEGE

Freese and Nichols provided program management, design and construction services for water wells, water storage tanks, booster pumps and a campuswide irrigation system using smart controller technology.



Our professionals have helped clients save hundreds of thousands of dollars on their water bills and demonstrate their commitment to sustainability. Our years of experience providing landscape irrigation water management services gives us an in-depth understanding of developing environmentally conscious programs that efficiently manage landscapes at the least cost for water and maintenance.

## COMMITMENT TO WATER CONSERVATION

Freese and Nichols has been in the water conservation and drought contingency business for more than a century. Our landscape irrigation water conservation experience includes alternate water source options for clients incorporating water reuse and the use of groundwater resources for landscape irrigation, as well as incorporation of technological advancements.

The landscape irrigation industry has developed state-of-the-art solutions to meet the demand for efficient and affordable irrigation water conservation systems, including on-site weather station and evapotranspiration (ET)-based controllers, matched precipitation sprays, and

micro-irrigation systems. By utilizing innovative technology to monitor real-time weather conditions and matching irrigation watering methods to the landscape features of the climate, owner-operators can maximize the efficiencies of their landscape irrigation systems.



We are proud to employ team members who are certified irrigation partners in the EPA's WaterSense® Partner program. Members of the program are committed to promoting water efficiency and making smart water choices.



Freese and Nichols, Inc. is a professional consulting firm serving clients across the Southwest and Southeast United States. With sustainability in mind, Freese and Nichols plans, designs and manages infrastructure projects. It is the first engineering/architecture firm to receive the Malcolm Baldrige National Quality Award.

