

## City of Fort Worth, Texas Job Description

<b>Classification Title</b>	Cross Connection Technician		
<b>Job Code:</b>	ST5070	<b>Job Family:</b>	Service Trades
<b>Pay Grade</b>	510	<b>Date Reviewed:</b>	06/11/15
<b>FLSA Status</b>	Nonexempt	<b>Date Revised:</b>	09/18/2023

### GENERAL SUMMARY

Performs backflow assembly and irrigation system installations to ensure residential and commercial facilities have adequate and approved cross connection control methods in place. Conducts permit inspections and plan review of buildings and facilities water distribution systems to prevent contamination of the public potable water supply and private water distribution systems as required by city and state codes.

### ESSENTIAL DUTIES & RESPONSIBILITIES

*The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job. Incumbents may be requested to perform job-related tasks other than those specifically presented in this description.*

1. Inspects buildings and water systems for potentially hazardous cross-connections; determines potential contamination hazards. Ensures facilities have adequate backflow protection. Prevents contamination of public water supply by monitoring backflow equipment. Inspects backflow devices and contacts customers to test backflow equipment as needed.
2. Reviews water systems and plumbing plans for proposed facilities. Ensures that the technical specifications in the plans meet all applicable cross-connection rules and requirements (City & State).
3. Enforces cross-connection control rules and regulations (City & State); enforces irrigation rules and regulations (City & State); maintains a safe working environment by following guidelines.
4. Performs irrigation system inspections for both commercial and residential facilities to ensure that they meet applicable design and water conservation standards (City & State). Performs irrigation document review (maintenance checklists, plans (if needed), etc.). Ensures irrigation systems have adequate backflow protection and determine presence of hazardous cross-connections.
5. Maintains appropriate records; writes reports and prepares correspondence as needed. Maintains required databases as needed. (such as Permits Plus, XC2)
6. Provides technical assistance to interested third parties on rules and regulations pertaining to the cross-connection and irrigation programs.

7. Interacts with other City departments and divisions and other agencies, including The Water Department, Development Department, Fire Department, and the Texas Commission on Environmental Quality.
8. Performs Customer Service Inspections as mandated by Texas Commission on Environmental Quality (TCEQ). Investigates water quality complaints. Meets with general public to reconcile problems.
9. Inputs daily inspection data into City permitting system software.
10. Performs other duties as required.
11. Adheres to assigned work schedule as outlined in the Department and City attendance policies and procedures; ensures all behaviors comply with the City's Personnel Rules and Regulations.

## **KNOWLEDGE, SKILLS & ABILITIES**

- **Knowledge of:**

- Texas Commission on Environmental Quality (TCEQ) Landscape irrigation regulations.
- Federal, State, City, Backflow and Plumbing Codes, Ordinances, Rules, and Regulations, for backflow.
- Fort Worth lawn and irrigation conservation ordinance and installation and maintenance of irrigation systems.
- International Plumbing Code, Fort Worth Plumbing Ordinance.
- TCEQ backflow and cross connection regulations.
- Understanding of basic computer functions.
- Computer programs and software, which, includes Accella automation, XC2, Microsoft Word, Microsoft email, and ERP payroll system.
- Plumbing and Building construction.
- Backflow assemblies, manufactures, types, applications and materials.

- **Skill in:**

- Basic typing.
- Basic program knowledge.
- Data entry of inspection results for daily inspections.
- Customer Service/Relations.

- **Ability to:**

- Communicate clearly and effectively, both orally and in writing.
- Identify correct types of plumbing materials and practices such as Stainless steel piping, PVC piping, copper piping, ductile iron; black steel pipe, and pex piping etc.
- Understand and explain all state and local plumbing codes, read and interpret blue prints or engineered drawings.
- Research existing backflow compliance at existing structures.
- Interact with other city and state departments.

## **MINIMUM JOB REQUIREMENTS**

High school diploma or GED supplemented by specialized training in Water Utility Operation and four years of Journeyman Plumber experience as required by the Texas State Board of Plumbing Examiners and the Plumbing License Law to qualify as a Master Plumber.

## **OTHER REQUIREMENTS**

Valid Texas Driver's License.

Possession of or ability to obtain Texas State Master Plumber's License within one (1) year of employment.

TSBPE Water Supply Protection Specialist (WSPS) endorsement.

Possession of or ability to obtain Texas Commission on Environmental Quality (TCEQ) Irrigation Inspectors License.

Possession of or ability to obtain TCEQ, Backflow Prevention Assembly Tester (BPAT) license.

## **WORKING CONDITIONS**

*The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

Depending on assignment, positions in this class typically require touching, talking, hearing, seeing, grasping, standing, stooping, kneeling, crouching, reaching, walking and repetitive motions.

## **PHYSICAL DEMANDS**

*The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

Medium Work – Depending on assignment, positions in this class typically exert up to 50 pounds of force occasionally, up to 20 pounds of force frequently, and/or up to 20 pounds of force constantly having to move objects.