

**CITY OF CONCORD  
CLASS SPECIFICATION**

**CLASS TITLE: FIELD TECHNICIAN**  
**Working Title: (Sewer Camera Operator)**  
**DEPARTMENT: GENERAL SERVICES**  
**REPORTS TO: SEWER SYSTEMS SUPERVISOR**

**JOB CODE: 2438HU**  
**DATE: 2/08**

**JOB SUMMARY:**

Works independently performing a variety of skilled and semi-skilled work in the areas of municipal sewer & storm drainage systems collecting, analyzing and organizing, TV videos of sewer and drain systems and import this information and data into the computer system. May serve as lead worker supervising assigned employee(s) on specific projects; in some assignments regularly interacts with contractors. Assists in maintaining sanitary and storm sewer systems as needed.

**ESSENTIAL JOB FUNCTIONS:**

Prepares field drawings for cleaning and lining of storm and sanitary sewers and other municipal projects.

Researches information concerning project and field survey work, including right-of-ways, sewer and drain records, aerial photography, field book records; advises and assists the Engineering Division, general public, surveyors, and general contractors on field locations and procedures.

Conducts field investigations to collect data of subsurface inspections such as manhole depths/conditions, pipe sizes/conditions and flow directions for short and long-term planning of storm and sanitary sewers.

Repair and maintain the main line TV camera unit including but not limited to communicating with vendors for upgrades, installing hardware and software upgrades, trouble shoot existing equipment, order parts and maintain inventory for routine maintenance items and carry out the maintenance.

Inputs and recommends methods and procedures for input of utility data, plan data and City records into database; checks for consistency and accuracy. Pulls existing data and field data into CIMS.

Works with GIS to input utility data, plan data and City records into database; checks for consistency and accuracy.

Monitors user requirements for CIMS database system and work station areas to assure reliability, sufficient capacity, and maintainability; identifies and resolves causes of system failures or malfunctions, and coordinates efforts with IT and vendor to correct problems.

Assists immediate supervisor in coordinating the maintenance of sanitary and storm systems which includes clearing sewer and storm mains, constructing new laterals, repairing and clearing existing laterals, constructing and repairing inverts, and resetting manhole and catch basin frames.

Serves as lead worker in digging operations to install and repair sewer systems, laying and replacing sewer lines, house connections, and the construction of manholes and catch basins.

Performs other related duties as assigned.

**MATERIAL AND EQUIPMENT USED:**

Specialized Van  
CIMS program for Main Line TV camera  
Tripod/harness for confined space entry  
Heavy Equipment

Computers  
Metal Detector  
Drafting tools  
Hand Tools

Tox Meters  
Calculator  
Photocopier  
Vector Truck

## **MINIMUM QUALIFICATIONS REQUIRED:**

### **Education and Experience:**

Two to four years experience performing related experience in sanitary and storm sewer maintenance and two to three years of progressively responsible experience in camera maintenance, subsurface video inspection and data management or any combination of education, training and experience which provides the knowledge, skills and abilities required for the job.

### **Licenses and Certifications:**

Valid New Hampshire Driver's License and Commercial Driver's License with appropriate endorsements or ability to obtain a CDL-B within 6 months of employment.

Other specific licenses or certifications may be required according to assignment.

## **KNOWLEDGE, SKILLS, AND ABILITIES:**

### **Knowledge of:**

General principles and practices of municipal construction practices in sanitary & storm sewer systems.

General understanding of construction techniques, excavations, traffic routing, etc.

Occupational hazards and safety precautions.

Understanding of grades and elevations

Required tools and equipment.

Field drawings used to plan sewer and drain main cleaning and lining.

Basic budgeting needs such as ability to project inventory needs for van, computers, camera and related equipment in order to discuss with supervisor and division head.

Computer applications related to the work.

### **Skill in:**

Working with and repairing mobile cameras and video equipment.

Read, analyze and interpret technical instruction manual.

Electrical and electronics in microprocessor equipment.

Rebuilding main line TV tractor and portions of the camera unit and install upgrades.

Record keeping, report preparation, filing methods and records management techniques.

Coordinate upgrades to the TV main line camera and the CIMS software program.

### **Mental and Physical Abilities to:**

Use tact, discretion, initiative and independent judgment within established guidelines.

Research, compile, and summarize a variety of data and materials.

Organize work, set priorities, meet critical deadlines, and follow up assignments with a minimum of direction.

Follow written and oral instructions.

Maintain effective working relationships with other departments, employees, contractors', and the general public.

Read and interpret documents such as safety rules, operation and maintenance instructions, and procedure manuals.

Define problems, collect data, establish facts, and draw valid conclusions.

While performing essential functions of this job, employee is occasionally expected to walk, and lift and/or move up to 100 pounds, is regularly expected to stand, sit, use hands to finger, handle, or feel; reach with hands and arms; climb or balance; stoop, kneel, or crouch; talk or hear, and lift and/or move up to 50 pounds as well as work in small areas for prolonged periods of time..

Specific vision abilities required for this job include: close vision, distance vision, ability to discriminate between colors, peripheral vision, depth vision, and ability to adjust focus.

**Working Conditions:**

Employees are exposed to fumes or airborne particles, outdoor weather conditions, and work with potentially explosive environmental situations.

This class specification should not be interpreted as all inclusive. It is intended to identify the essential functions and requirements of this job. Incumbents may be requested to perform job-related responsibilities and tasks other than those stated in this specification. Any essential function or requirement of this class will be evaluated as necessary should an incumbent/applicant be unable to perform the function or requirement due to a disability as defined by the Americans with Disabilities Act (ADA). Reasonable accommodation for the specific disability will be made for the incumbent/applicant when possible.