



ENGINEERING INSPECTOR

DEPARTMENT: PUBLIC SERVICES/ENGINEERING DIVISION

GRADE 18

CHARACTERISTICS OF THE CLASS:

Under the direction of the Chief Engineering Inspector, is responsible for performing engineering inspections of public works and private projects to ensure compliance with approved plans and specifications. Work is performed independently and requires technical discretion and judgment. Responsibilities include engineering inspections of new homes, developments, roads, and utility infrastructure. Work is reviewed through observation and written reports for adherence to established policies and procedures.

EXAMPLES OF ESSENTIAL FUNCTIONS:

1. Inspects streets, drainage systems, waterways, underground utilities, parking areas, sidewalks, and municipal facilities; ensures conformance with approved plans and specifications; checks materials used.
2. Prepares inspection reports; maintains inspection logs; checks existing permits.
3. Assists with water and wastewater line breaks; locates valves and mains.
4. Witnesses pressure testing of force and water mains; witnesses chlorination of water lines.
5. Determines alignment, grade and compaction of fill; orders field and laboratory tests; performs field measurements; prepares and maintains related records, reports, and inspections.
6. Answers telephone or in-person inquiries regarding inspections and code compliance; investigates and resolves complaints.
7. Confers with and advises the general public, City departments, and contractors concerning problems associated with construction projects.
8. Investigates complaints relating to flooding, encroachments to the public right-of-way and poor road conditions.
9. Monitors City construction projects.

NOTE: The examples of essential functions as listed in this classification specification are not necessarily descriptive of any one position in the class. The omission of an essential function of work does not preclude management from assigning duties not listed herein if such functions are a logical assignment to the position.

REQUIREMENTS:

A. Training and Experience:

High School Diploma or GED; supplemented by two (2) years experience in an engineering related field. Must be certified as an Engineering Inspector or Engineering Contractor by the Broward County Board of Rules and Appeals.

B. Knowledge, Abilities and Skills:

Knowledge of the terminology, techniques, and practices used in various types of construction and of the stages in the construction process when defects may be observed or corrected.

Knowledge of possible defects in construction materials and of effective corrective measures.

Knowledge of the types of tests performed on construction materials and their application.

Knowledge of the codes, regulations and specifications relating to public works construction.

Ability to read and interpret engineering plans and specifications and to recognize deviations from such plans in the construction process.

Knowledge of the basis principles, practices and methods of Civil Engineering.

Knowledge of modern developments, current literature and sources of information in the field of utilities inspection and construction.

Ability to perform complex mathematical calculations.

Ability to make technical inspections and to enforce regulations firmly, tactfully and impartially.

Ability to establish and maintain effective working relationships with fellow employees, contractors and the public.

Ability to express ideas clearly and concisely, orally and in writing.

C. Physical Requirements: 3

D. Environmental Requirements: 3

E. Sensory Requirements: 2, 6, 8, 9