CITY OF NIAGARA FALLS

DEPARTMENT OF HUMAN RESOURCES

## NOTICE OF

#### **JOB VACANCY**

TITLE: Engineering Technician II

DEPARTMENT/DIVISION: Engineering

NUMBER OF VACANCIES One (1) Provisional

PAY RANGE: Grade 20A $25.8147- $36.0402

NOTE:

Must be a Niagara Falls, NY resident

Within 6 months of appointment

**DISTINGUISHING FEATURES OF THE CLASS:** This is sub-professional work involving assisting in both field and office civil engineering work and using surveying equipment. The work also involves reducing and plotting field notes, making and checking engineering computations, and checking portions of construction projects. Employees in this class assist engineers in drafting, safety, traffic and other activities. General and direct supervision is received from an assigned superior. Supervision may be exercised over Survey Instrument Technicians, Engineering Aides or support clerical staff. The Engineering Technician II performs related work as required.

**TYPICAL WORK ACTIVITIES:**

Interprets sub-division maps and survey records;

Prepares and revises maps, including drawing and tracing maps and preparing or checking calculations and descriptions;

Obtains data, checks source and validity, and adjusts it to make it current;

Prepares graphic display materials showing project presentations, agency programs or status and location of projects;

Receives, compiles, calculates and files data and information about projects and programs;

Takes measurements using field survey equipment;

Prepares simple maps and plots plans;

Performs simple engineering calculations to verify data collected on complete measurements and tests;

Locates and confirms R.O.W. lines;

Visually checks projects to determine compliance with specifications and commonly accepted construction methods and standards;

Collects and records data and information.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Working knowledge of mathematics, including algebra, geometry and trigonometry; working knowledge of drafting and surveying; including basic engineering computations; working knowledge of the methods and materials of construction as related to roads, bridges, drainage, buildings, and related structures; ability to use surveying equipment, testing devices, drafting and engineering instruments and materials to perform their work; ability to plan and supervise the work of others; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: EITHER

(B) Graduation from a regionally accredited or New York State registered two-year College or university with an Associate’s degree in engineering science, civil engineering technology or architectural technology and one (1) year of satisfactory experience in field or office civil engineering work;

**OR**

(C)Graduation from high school or possession of a high school equivalency diploma and four (4) years of experience as defined in (B).

**NOTE:** Additional appropriate education beyond high school graduation may be substituted for experience on a year-for-year basis. High school graduation is required; additional experience beyond four (4) years cannot be substituted for high school graduation.