



CURRITUCK COUNTY JOB DESCRIPTION

JOB TITLE: STORMWATER TECHNICIAN
~~ENGINEERING-PUBLIC UTILITIES~~ DEPARTMENT

GENERAL STATEMENT OF JOB

The Stormwater Technician provides technical, administrative and operations work for county stormwater districts and stormwater related services to the County within the Public Utilities Department ~~of Engineering~~ under the supervision of the ~~County Engineer~~ Public Utilities Manager.

SPECIFIC DUTIES AND RESPONSIBILITIES & ESSENTIAL FUNCTIONS

Manage and oversee county stormwater districts.

Development of budgets and capital improvement plans for the stormwater districts.

Perform operations and maintenance of mechanical stormwater facilities. ~~—~~Coordinate equipment maintenance and repairs.

Perform drainage assessments of ditches and other related non-mechanical stormwater infrastructure and perform/coordinate needed maintenance and or upgrades.

Gather data and information necessary to develop stormwater plans, including performing, gathering and analyzing information, engineering studies, watershed surveys, etc.

Serve as advisor, manage and attend all stormwater district advisory board meetings.

Work with county residences and businesses to address individual stormwater concerns within districts.

Perform and interpret various hydraulic and stormwater computer software programs.

Manage and oversee emergency stormwater pumping operations during flooding events.

Research and write grant applications for potential stormwater capital projects.

ADDITIONAL JOB FUNCTIONS

Perform duties as assigned by the County Manager or ~~his designees~~designee during a State of Emergency or other disaster. Have the ability to read, analyze, and interpret governmental regulations and procedures.

Performs other related work as required.

MINIMUM TRAINING AND EXPERIENCE

Associate's degree in stormwater practices, civil engineering or related field, and one to two years of experience in stormwater practices and a minimum of 2 years design experience in municipal stormwater systems and software or management of municipal stormwater systems; or any equivalent combination of training and experience which provides the required knowledge, skills and abilities.

SPECIAL REQUIREMENTS

Possess a valid North Carolina driver's license.

KNOWLEDGE, SKILLS AND ABILITIES

Considerable knowledge of applicable federal, state and local laws, and standard practices, methods and techniques of stormwater design and operations.

Considerable knowledge of planning and application of stormwater development practices.

General knowledge of the practices, principles and use of drafting, surveying and computer software for stormwater systems.

General knowledge of tools and supplies used in stormwater management.

Ability to use common office programs including word processing, spreadsheets, stormwater software and file maintenance programs.

Ability to understand drainage features and flow patterns of the county drainage ditches and watersheds.

Ability to exercise considerable independent judgment in applying stormwater.

Ability to exercise considerable tact and courtesy in contact with landowners, land users and the general public.

Ability to perform rigorous outdoor work in various types of weather.

Ability to perform physical labor as necessitated by work assignments.

Ability to establish and maintain effective working relationships as necessitated by work assignments.

**MINIMUM QUALIFICATIONS OR STANDARDS REQUIRED
TO PERFORM ESSENTIAL JOB FUNCTIONS**

Physical Requirements: Must be physically able to operate a variety of machinery and equipment, including computers, calculators, design instruments, laser-equipped transits, global-positioning equipment, pumps, shovels, etc. Must be physically able to operate a motor vehicle. Must be able to exert up to 50 pounds of force occasionally, and/or up to 25 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects. Requires the ability to physically maneuver over and/or upon varying terrain, surfaces or physical structures. Physical demand requirements are for Medium to Heavy Work.

Data Conception: Requires the ability to compare and/or judge the readily observable, functional, structural or composite characteristics (whether similar or divergent from obvious standards) of data, people or things.

Interpersonal Communication: Requires the ability to speak and/or signal people to convey or exchange information. Includes receiving instructions, assignments or directions from superiors.

Language Ability: Requires the ability to read a variety of reports, correspondence, ordinances, maps, design plans, spreadsheets, engineering charts, surveys, guides, manuals, technical references, etc. Requires the ability to prepare correspondence, reports, contracts, forms, etc., using prescribed formats. Requires the ability to speak to people with poise, voice control and confidence.

Intelligence: Requires the ability to apply principles of logical or scientific thinking to define problems, collect data, establish facts, and draw valid conclusions; to interpret an extensive variety of technical instructions in mathematical or diagrammatic form; and to deal with several abstract and concrete variables.

Verbal Aptitude: Requires the ability to record and deliver information, to explain procedures, to follow oral and written instructions. Must be able to communicate effectively and efficiently in a variety of technical or professional languages, including engineering terminology.

Numerical Aptitude: Requires the ability to utilize mathematical formulas; to add and subtract; multiply and divide; calculate decimals and percentages; interpret graphs; perform calculations involving variables, formulas, square roots and polynomials; perform statistical calculations, which include frequency distributions, reliability and validity tests, correlation techniques, factor analysis and econometrics; perform algebraic operations.

Form/Spatial Aptitude: Requires the ability to inspect items for proper length, width and shape.

Motor Coordination: Requires the ability to coordinate hands and eyes rapidly and accurately in using office equipment and tools.

Manual Dexterity: Requires the ability to handle a variety of items, such as keyboards, control knobs, toggle switches, levers, etc. Must have minimal levels of eye/hand/foot coordination.

Color Discrimination: Requires the ability to differentiate between colors and shades of color.

Interpersonal Temperament: Requires the ability to deal with people beyond giving and receiving instructions. Must be adaptable to performing under stress when confronted with persons acting under stress.

Physical Communication: Requires the ability to talk and hear: (Talking: expressing or exchanging ideas by means of spoken words. Hearing: perceiving nature of sounds by ear.) Must be able to communicate via telephone.

ED: 09/07/2021 (REV BOC)