

MORGAN STATE UNIVERSITY

JOB SPECIFICATION



PLUMBING - PIPED SYSTEMS TECHNICIAN

Class Code: N1105
Pay Range: 15

FLSA Code: N/E (Non-Exempt)

JOB SUMMARY

To provide technical support in the use of electronic and digital devices to locate underground utilities, test and certify backflow prevention equipment installations, troubleshoot equipment problems and to supervise the technical maintenance work/installation services including all underground utilities (water, gas, sanitary and/or steam) and all building piped services. May supervise apprentices and less-skilled workers. Reports to a Piped Services Assistant Manager.

PRIMARY DUTIES

1. Independently directs, plans, organizes, estimates, schedules and inspects the technical maintenance work and installation service work, including work performed by unskilled, semi-skilled and skilled workers including all underground utilities (water, gas, sanitary and/or steam) and all building piped services including, but not limited to, domestic water, process piping, sanitary lines, vents, HVAC and related equipment.
2. Performs on-the-job training of apprentices and less-skilled employees in the plumbing/piped services area.
3. Researches and analyzes new techniques and develops modification approaches.
4. Provides engineering consultation and installation services for research equipment.
5. Provides design/build services for underground utilities and building piped systems.
6. Makes scale layouts, manually or using a computer, to provide designs for jobs.

Morgan State University Job Specification
Plumbing – Piped Systems Technician
Page Two

7. Assists in the preparation of reports, analysis and correspondence
8. May supervise contractors during utility/facility projects on a project- by-project basis.
9. Coordinates and cooperates closely with other skilled crafts personnel and supervisors.
10. Adheres to, and enforces, all applicable state, university and departmental personnel policies and procedures.
11. Organizes, maintains and cleans job sites, tools and machinery.
12. Responsible for maintenance, repair, sharpening, adjustment and safe operation of tools and machinery.
13. Ensures adequate supplies; materials and equipment are maintained to accomplish tasks/projects.
14. Prepares estimates of time, labor and materials to be used on assigned tasks.
15. Responsible for personal safety and upholding departmental safety procedures.
16. Attends all required safety meetings.

Note:

The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

MINIMUM QUALIFICATIONS

EDUCATION: High School Diploma or GED. Trade-related secondary schooling desired.

EXPERIENCE: Six years of progressively responsible experience in pipe and installation services including all underground utilities (water, gas, sanitary lines and/or steam) vents, HVAC and related equipment.

Morgan State University Job Specification
Plumbing – Piped Systems Technician
Page Three

CERTIFICATION/LICENSES: Incumbents hired for plumbing trade duties must possess a current WSSC Master Plumber's License or a Maryland State Master Plumber's License.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES

Comprehensive knowledge of, and skill in, the basic engineering principles/methods and techniques of the trade(s) where assigned; of the OSHA/MOSH regulations related to the trade(s) area. Thorough knowledge of, and skill in, the practical application of electronics, hydraulics and mechanics as used in maintenance work; of basic mathematics including area, volume, weights and the practical application of fractions, percentages, ratios and proportions. Skill in the care and storage of equipment and supplies used in the areas(s) where assigned; in the use and maintenance of the tools and equipment of the trade(s) where assigned; in reading, interpreting and working from blueprints, schematics, drawings and specifications. Ability to communicate effectively; orally, in writing and by computer. To supervise apprentices in assigned trade(s) work and, on a project-to-project basis, may supervise less-skilled workers; to plan and organize maintenance work; to determine sufficiency of cost estimates prepared by others; to prepare specifications for tools, equipment, materials and supplies; to prepare summaries and reports.

OTHER:

Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.

CONDITIONS OF EMPLOYMENT

Incumbent is an essential employee, subject to a 24 hour, 7 day week span of operation. Must be able to work evenings and weekends when necessary. Must be able to work in, on, around, over and under fixed equipment and machinery; to work from lifts, ladders and scaffolding; to manipulate heavy equipment, tools and supplies and /or exert force up to 70 lbs.; to concurrently manipulate multiple controls on equipment and machinery; to work in hazardous or irritating environments, confined spaces and adverse weather or temperature conditions; to wear and work in personal protective equipment. Candidates selected for employment may be subject to medical inquiries and/or medical

Morgan State University Job Specification
Plumbing – Piped Systems Technician
Page Four

examinations to determine ability to perform the job. Employees in this job class must maintain the required driver's license with no more than 5 points and will be subjected to drug and alcohol education and testing as required under Federal Highway Administration and the State of Maryland regulations. Employees in this job class may be subject to pre-employment and random drug testing. Employees in this classification may be assigned duties which require special training and/or certification (e.g. forklift operator certification) in order to operate specialized motorized equipment..