



# Stormwater Specialist

## J o b D e s c r i p t i o n

### JOB INFORMATION

Approved Date:	8/3/2023 2:10:23 PM
Working Title:	Stormwater Specialist
Job Family:	Utilities
Classification:	Utilities Maintenance Specialist

### ORGANIZATION

Department:	Public Works
Cost Center/Program:	44011 - Surface Stormwater - Operations
Exemption Status:	Non Exempt
Union:	Teamsters - Utilities

### JOB SUMMARY

This classification performs maintenance and/or operational activities in roads, traffic, solid waste, storm water, sewer utility, parks, facilities, and operations or in assigned area of responsibility. Responsibilities as assigned may include generating reports; operating and maintaining complex equipment/vehicles, instrumentation, and/or testing; providing customer service; performing complex repairs to equipment, infrastructure, and/or other related items; troubleshooting complex maintenance and operational problems; resolving complaints; identifying potential areas of operational concern; compiling data and preparing regulatory reports; and coordinating the work of lower-level staff. Incumbents provide specialized, technical knowledge regarding assigned functions and ensure proper procedures and quality of service.

#### Distinguishing Characteristics

This is the third level of the Maintenance and Operations Series, distinguished from lower levels by the skilled, complex specialized nature of the work performed and by the incumbent's due to specialized training, certification and/or licenses. May serve as a subject matter expert in area of specialization. This classification may also act in a lead capacity as needed, but primary duties are not as a lead worker over internal staff.

Utility System Specialists work jointly for the Stormwater Program and Sewer Utility Divisions of Kitsap County Public Works (KCPW). The primary focus of the Utility Systems M&O Specialist position is operations and maintenance (O&M) of stormwater and sanitary sewer system conveyance piping, structures, and facilities. In addition, Utility Systems Specialists work on repair and retrofit construction projects for both divisions. Individual Utility Systems M&O Specialist assignments will vary depending on the needs of the Stormwater and Sewer Utility Divisions. A Utility Systems M&O Specialist is frequently the lead on projects or operations for maintenance work crews at work sites. Stands 24 hour duty periodically throughout the year.

### JOB FUNCTIONS

#### Essential Functions

Essential Function	% TIME
Operate Trucks, Trailers and Equipment (CDL vehicles, single and tandem axle dump trucks, truck and pup, tanker trucks, service trucks, utility van, CCTV van, tilt up equipment trailer, excavators, backhoes, bulldozers, front end loaders, eductor trucks, overhead bucket trucks, & dump trailer)	45%
Sewer & Stormwater System Repair, Construction/Retrofit and maintenance (install/repair/upgrade gravity and pressure piping systems, manholes, catch basins, vaults, detention/retention ponds, water quality devices, Green Stormwater Infrastructure (GSI)/Low Impact Development (LID) facilities, concrete curb and gutters, sidewalks). Read and interpret engineered drawings and calculate flow rates, volumes, and grades. Locate underground utilities for engineering design and construction use. Cut, remove and restore asphalt.	30%
Perform Manual Labor (operate: easement cleaner, air compressor, plate compactor, chain saw, cutoff saw, roto-hammer, shovel, lute, welders, lathe, plasma cutter, string trimmer, chipper, walk	25%

## Essential Functions

Essential Function	% TIME
behind asphalt/concrete saw, mechanics hand tools, worm drive saw, riding mowers, trash, diaphragm, pressure pumps, HDPE welder). Plan and direct the deployment of traffic cones, barricades, signs and flaggers)	
	0%

## Required for All Jobs

• Performs other duties as assigned
• Complies with all policies and standards

This Job is Essential	<input checked="" type="checkbox"/>
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## QUALIFICATIONS

Education			
Education Level	Education Details	Required/Preferred	
	High School Diploma	Required	or
	GED	Required	

## Work Experience

Experience	Experience Details	Required/Preferred	
3 years	Experience in maintenance, operations or mechanical work in related field.	Required	
3 years	3 years experience in underground utilities, construction, repair, replacement and maintenance, road construction and maintenance.	Required	

## Licenses and Certifications

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/Preferred	
	Washington State Class A CDL with endorsement N or X with air brake restriction removed.	within 1 Year	Required	and
	Washington State Industrial First Aid/CPR certification	Upon Hire	Required	and
	Washington State Traffic Flagging Certification	Upon Hire	Required	and
	Certified erosion and sediment control lead	Upon Hire	Required	and
	Washington State Department of Agriculture Pesticide Public Applicators License (dependent on work assignment)		Preferred	and
	Certificate of Basic Horticulture from WSU-Extension (dependent on work assignment)		Preferred	and
	40 hours Hazardous Waste Operations and Emergency Response Training (dependent on work assignment)		Preferred	and
	Forklift	within 6 Months	Required	

## Licenses and Certifications

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/ Preferred	
	Trench safety	within 6 Months	Required	
	Confined space training	within 6 Months	Required	
	Washington Waste Water Collections Association 1		Preferred	

## Equivalency

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## Knowledge, Skills and Abilities

KSAs	
Appear for scheduled work and complete assigned tasks within a reasonable period of time.	
Establish and maintain effective working relationships with others using tact, courtesy and good judgment.	
Maintain confidentiality and adhere to policy and procedures of the county and department.	
Communicate effectively orally and in writing.	
Utilize various computer applications specific to the department including databases, word processing, document imaging, spreadsheets, and web-based systems for entering, retrieving and researching data and records.	
Physically perform assigned duties and essential functions of the position.	
Knowledge of complex, highly technical tools, materials and chemicals	High
Knowledge of electrical/electronic theory and troubleshooting skills	Medium
Knowledge of the Manual of Uniform Traffic Control Devices (MUTCD), the Washington State Signing Manual and Washington State Department of Transportation Standard Plans.	High
Knowledge of safety and security precautions necessary and applicable in area of assignment	High
Knowledge of ordinary lawn maintenance tools and equipment	Medium
Skill in effective communication, both oral and written, sufficient to exchange or convey information, and to receive and provide work direction	High
Skill in customer service techniques	High
Skill in the operation of automotive vehicles and complex equipment and heavy machinery requiring a commercial driver's license	High
Skill using two-way radios and/or traffic control techniques	High
Knowledge of standard practices, methods, tools, and materials utilized in the construction and maintenance of underground utilities	High
Conduct pipe pigging operations	High
Ability to enter confined spaces and identify specific hazards associated with confined space entry	High
Complete valve exercise maintenance	High
Operate and maintain CCTV camera equipment for pipe inspections	High
Knowledge of different classes/specifications of pipe and fittings and their applications	High
Ability to read pipe outside diameter charts	High
Ability to operate/troubleshoot lift stations	High
Skill in the safe handling and proper disposal of general purpose cleaning chemicals	Medium
Skill in working with a variety of individuals from diverse backgrounds	High
Skill in establishing and maintaining effective working relationships	High
Skill in map reading, in reading and interpreting electronic schematic and logic flow diagrams	High
Ability to operate assigned equipment skillfully, safely and in conformance with applicable laws or regulations.	High
Ability to calculate volumes of liquids and materials.	High
Ability to Read blue prints and plans.	High
Ability to set up lasers and calculate grade.	High
Ability to follow verbal and written instructions.	High
Ability to establish and maintain an effective working relationship with the public and with other County employees.	High

Ability to meet the assignment locations and travel requirements of the position.	High
Knowledge and application of safety regulations associated with trenching, shoring and excavations.	High
Ability to follow pre-trip inspection according to County Policy.	High
Knowledge and ability in the removal of danger trees.	High
Properly wear protective gear.	High
Perform manual labor under uncomfortable or adverse conditions.	High
Respond as required when on 24-hour stand-by duty.	High

## Core Competencies

Demonstrates values-based competencies in line with the core values that are the foundation of all activities performed by employees in order to achieve the Mission of the Company:

Time Management	Uses their time effectively and efficiently; values time; concentrates their efforts on the more important priorities; gets more done in less time than others; can attend to a broader range of activities.
Drive for Results	Can be counted on to exceed goals successfully; is constantly and consistently one of the top performers; very bottom-line oriented; steadfastly pushes self and others for results.
Customer Focus	Is dedicated to meeting the expectations and requirements of internal and external customers; gets first-hand customer information and uses it for improvements in products and services; acts with customers in mind; establishes and maintains effective relationships with customers and gains their trust and respect.

## Remote Employment

Remote Employment Type:	
Remote Employment Text:	

## Weight Bearing Activities

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Weight Bearing (Standing & Walking)		
Weight Bearing Standing		
Weight Bearing - Walking		
Walking on Uneven Terrain	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	remote sites or field work
Running		
Jumping		
Climbing Ladder, stairs, stools	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	Stairs, ladder or accessing equipment
Balancing	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	pinking up equipment, loading or opening manholes
Bending at the waist		
Twisting at the waist	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	pinking up equipment, loading or opening manholes
Stooping Slight bend at knees	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	
Squatting		

## Other - Non-Weight Bearing

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Sitting	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	CDL vehicles equipped with air ride seats, work trucks have bucket seats
Kneeling One or both knees	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	
Crawling On hands and knees	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	
Lying Down		
Back, side or stomach		

## Lifting/Carry/Push/Pull

### Lifting

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Lifting 0-10 lbs	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	Hand tools, pneumatic and electric tools and parts
Lifting 11-20 lbs	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	Hand tools, pneumatic and electric tools and parts
Lifting 21-35 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	parts, floor to waist, intermittently overhead
Lifting 36-50 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	parts, floor to waist, intermittently overhead
Lifting 50 + lbs	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	jackhammers that weigh 80 to 90lbs make sure to use 2 person to remove from compressor

### Carry

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Carry 0-10 lbs	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	1ft to 50ft
Carry 11-20 lbs	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	1ft to 50ft
Carry 21-35 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	1ft to 50ft
Carry 36-50 lbs	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	
	Never: 0% - Does not occur ever, or may not ever occur for some incumbent.	

### Pushing

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Pushing 0-10 lbs	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Push/pull parts, tools or equipment

## Pushing

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Pushing 11-20 lbs	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Push/pull parts, tools or equipment
Pushing 21-35 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	pushing tools, carts or equipment 1 ft to 50ft
Pushing 36-50 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	pushing tools, carts or equipment 1 ft to 50ft
	Never: 0% - Does not occur ever, or may not ever occur for some incumbent.	

## Pulling

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Pulling 0-10 lbs	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Push/pull parts, tools or equipment
Pulling 11-20 lbs	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Push/pull parts, tools or equipment
Pulling 21-35 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	pushing tools, carts or equipment 1 ft to 50ft
Pulling 36-50 lbs	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	pushing tools, carts or equipment 1 ft to 50ft
	Never: 0% - Does not occur ever, or may not ever occur for some incumbent.	

## Upper Extremity/Arm Movement

	Dominant Arm - Frequency/Percentage Time/Max Time	Non-Dominant Arm - Frequency/Percentage Time/Max Time	Examples of how activity is performed
Reaching Above shoulder level	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Accessing parts or equipment
Reaching at shoulder level	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Accessing parts or equipment
Reaching below shoulder level	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Accessing parts or equipment
Steering Equipment, Vehicles			

## Cervical Spine/Neck Movement

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
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## Upper Extremity/Hand Activities

	Dominant Arm - Frequency/Percentage Time/ Max Time	Non-Dominant Arm - Frequency/Percentage Time/ Max Time	Examples of how activity is performed
Fine Manipulation	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	
Keyboarding/Typing			
Simple Grasp	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	holding tools, gear or steering wheel
Up & Down Flexion of Wrist			
Side to Side Motion of Wrist			
Turning/Rotation of wrist/hand			
Gross Manipulation			
Powerful Grasp/Tight Grasp	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	Holding tools, gear or steering wheel
Hand Controls	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	
Repetitive Motion	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	

## Sensory Functions (See, Hear, Smell)

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Sight: Distinguish objects, depth perception, field of vision, color identification, near and far acuity necessary to operate equipment, machinery, etc.	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	Reviewing directions, plans and policies, parts are sometimes color coded,
Hearing: Comprehend oral language and sounds and react appropriately. Follow oral directions.	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Listen for sounds, cues or safety warning devices
Speaking: Orally communicate information and ideas with comprehension	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Supervisor or Co-workers
Reading: Comprehend and retain the written word.	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	Diagnostic instruments gauges or screens
Writing: Composing communications in writing		
Math: Compute a series of numeric variables, measurements		

## Working Conditions

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
Uneven Ground	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	Remote sites or field work
Exposure to Bloodborne Pathogens		
Work Outside	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	Remote sites or field work
Customer/Public Contact		
Work Inside	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	shop/office
High Elevations	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	Access upper levels of equipment
Moving Objects	Frequently: 34-66% - Occurs 2.6 to 5.5 hours per shift.	hoists, lifts and equipment/vehicles
Slippery Surface	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	in field, vaults, manholes and when pumping equipment
Wetness	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	in field, vaults, manholes and when pumping equipment
Temp.Humid/ Extremes	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	in field or wearing protective equipment
Temp. Cold Temp	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	in field or wearing protective equipment
Confined Spaces	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	entering sewers, tanks, manholes and wells
Special Clothing	Continuously: 67%+ - Occurs more than 5.6 hours per shift.	coveralls, rain gear, and protective equipment
Vibration	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	pneumatic/hydraulic tools and equipment
Use of Solvents	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	cleaning solvents
Use of Detergent	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	degreasers and soap
Chemical Contact	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	oil, grease, lubricants and fuels
Chemical Vapors	Occasionally: 11-33% - Occurs 31 minutes to 2.5 hours per shift.	oil, grease, lubricants and fuels
Dust or Particles	Seldom/Infrequent: 1-10% - May occur, but not on a daily basis or less than 30 minutes per shift.	dirt and debris, some cutting grinding and welding
Toxic Substances		
Explosives		
Radiation		
Electricity		
Noise intensity		

## Mental/Psychological Demands

Mental/Psychological Demands	Required Yes/No (Blank)	Examples
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Operational Equipment

Physical Activity Performed	Frequency/Percentage Time/Max Time	Examples of how activity is performed
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Other Requirements

PRE-EMPLOYMENT EXAMS

POST-EMPLOYMENT

COMPENSATION

Annual Max:	\$0.00
Annual Min:	\$0.00
Hourly Max:	\$37.08
Hourly Min:	\$26.25