

MAINTENANCE MECHANIC RCF

REPAIRING BROKEN UNDERGROUND WATER MAINS AND REPAIRING/ REPLACING UNDERGROUND DRAIN LINES AND HOT WATER LINES		
Activity	Hazard Identification	Required Precautions
1. Driving to and from work site.	1. Motor vehicle accident; striking pedestrians, bicyclists, or individuals using rollerblades.	1. Wear prescription lenses, if required, and seatbelt. Verify that all equipment on vehicle is secured properly. Stay alert for pedestrians, bicyclists, and individuals using rollerblades.
2. Using stepladder.	2. Ladder collapsing; slipping/falling from ladder.	2. Inspect ladder before use. Use ladder of proper height. Make sure ladder is properly assembled and locked and standing on level ground. Do not exceed weight limit for ladder. Do not stand on top of ladder or on top rung. Have coworker hold ladder.
3. Using extension ladder.	3. Ladder falling; slipping/falling from ladder.	3. Inspect ladder before use. Verify that ladder is properly assembled and that it is securely positioned on level ground. Tie safety rope to ladder to secure it to building. Use 1'-4' rule. Use OSHA decal to verify that ladder is in the proper position.
4. Working in mud and standing water.	4. Slipping/falling.	4. Walk slowly and carefully to maintain footing.
5. Soldering.	5a. Burning self with torch.	5a. Wear safety goggles, gloves, coveralls, and leather chaps. Always burn away from yourself.
	5b. Starting a fire.	5b. Do not solder near flammable materials. Always keep fire extinguisher nearby and have a person stand by as firewatch.
	5c. Burns from hot solder dripping on self; flux burn.	5c. Do not reach to solder; stay level with area being soldered. Wear gloves, safety glasses, and coveralls.

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	5d. Inhalation of fumes.	5d. Work in well-ventilated area. Use exhaust fans and tubes for ventilation.
	5e. Using wrong solder can cause popping and splattering.	5e. Use correct solder for the job.
6. Using power tools including reciprocating saw, electric saw, gas-powered saw, and roto-hammer.	6a. Electric shock; electrocution.	6a. Inspect cord before use. Keep power cord away from work area. Plug tools into GFCI-protected outlet. Do not use while standing in water. If work area is wet, stand on a wooden pallet.
	6b. Tripping over or cutting power cord.	6b. Keep power cord away from work area.
	6c. Injury from flying debris; debris embedded in eye.	6c. Wear safety glasses, work gloves, and, if sewage involved, rubber gloves. Optionally, wear rubber gloves, long-sleeve shirt and/or coveralls.
	6d. Burning self on hot blade.	6d. Do not touch blade after cutting. Wear gloves.
	6e. Saw catching; severe lacerations; dismemberment.	6e. Be aware of where your own and your coworker's hands are. Keep tools in good condition. Inspect tools before use. Verify that guards are working properly. Hold tools securely with two hands to maintain control.
7. Using hand tools.	7. Cuts, pinches, smashes, punctures, severing of fingers.	7. Keep tools in good condition. Inspect tools before use. Wear safety glasses. Work away from yourself. Use normal caution required for all hand tools.
8. Lifting heavy weight.	8. Back strain; overexertion.	8. Know your weight-lifting capacity and get help if needed. Lift with legs. Keep back straight. Use mechanical lifting equipment if necessary.
9. Working near hot water lines and flowing water.	9. Getting burned by pipes; water splashed on self.	9. Wear safety glasses, work gloves, and, if sewage is involved, rubber gloves. Optionally, wear rubber gloves, long-sleeve shirt and/or coveralls.

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10. Digging ditch.	10a. Slipping and falling.	10a. Walk slowly and carefully to maintain footing.
	10b. Extreme weather conditions.	10b. Dress appropriately for the situation.
	10c. Getting hit with equipment.	10c. Use caution. Be aware of where equipment is.
	10d. Electric shock; electrocution.	10d. Use extreme caution. Dig carefully.
11. Working in ditches.	11a. Ditch caving in, trapping worker.	11a. Slope sides of ditch to prevent cave in. if size of work area does not allow for adequate sloping, shore up ditch using plywood and 4 x 4's.
	11b. Severe injuries.	11b. Make sure water is shut off before cutting into water line.
12. Working in area of pedestrian traffic.	12. Pedestrians falling into ditch; other injuries to pedestrians.	12. Secure area with cones and tape before beginning work.
13. Working in area of motor vehicle traffic.	13. Vehicle striking worker; vehicle driving into ditch.	13. Secure area with cones and tape before beginning work.