



CITY OF NORTH MANKATO

WATER HEATER INSTALLATION/REPLACEMENT

- ❖ Gas Line Airtest (if new gas line being installed):
 - Test pressure shall be no less than one and one-half times the proposed maximum working pressure, but not less than 25 psi for a minimum of 30 minutes..
 - Test gauge shall have a pressure range not greater than twice the test pressure applied. The test pressure shall be within the middle 50 percent of the test gauge pressure range.
 - ALL Corrugated Stainless Steel Tubing (CSST) gas lines shall be bonded to the electrical service grounding electrode system with a bonding jumper not smaller than 6 AWG copper wire.

- ❖ The Temperature Pressure and Relief Valve (TPRV) shall be piped to within 18" of the floor or a safe place of disposal. The piping must be no smaller than the valve size and be made of galvanized steel or hard drawn copper. The discharge end of the drain pipe shall not be threaded. **(refer to attached diagram)**

- ❖ A gas line for the water heater must have its own full open-type shut off valve located within the same room and no further than 6'-0" from the appliance.

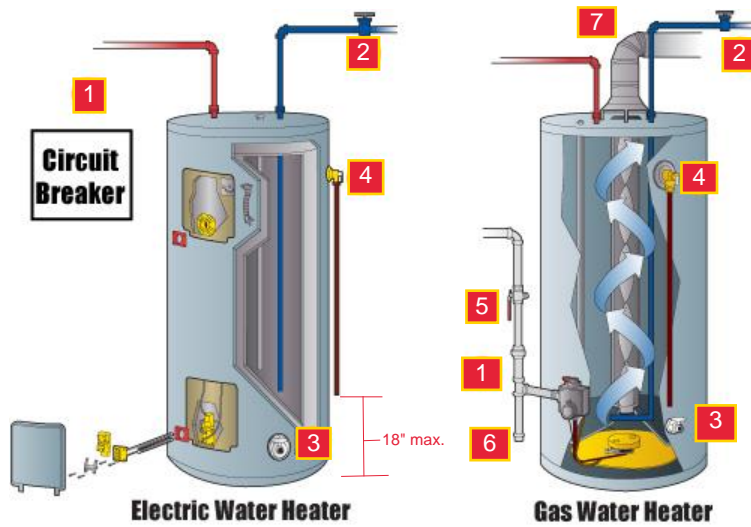
- ❖ A sediment trap shall be installed as close to the inlet of the water heater. The sediment trap shall be a tee fitting with a capped nipple, minimum of 3" in length, in the bottom opening of the run of the tee, providing a 90-degree change of direction of gas flow. **(refer to attached diagram)**

- ❖ Gas water heaters in garages and in adjacent spaces that open to the garage and are not part of the living space of a dwelling unit shall be installed so that the burner and burner-ignition devices are located not less than 18" above the floor.

- ❖ Gas water heaters shall not be installed in bedrooms, bathrooms, or closets.
- ❖ All venting must meet the manufacturers' installation specifications.

- ❖ Copper or stainless steel flexible connectors shall not exceed 24". PEX, PEX-AL-PEX, PE-AL-PE, or PE-RT tubing shall not be installed within the first 18" of piping connected to the water heater.

- ❖ A fullway valve shall be installed on the cold water supply pipe to each water heater at or near the water heater.



1—Energy Source (Electric or Gas)

3—Drain Valve

5—Full Open-Type Gas Valve

7—Venting installed per manufacturer's instructions

2—Fullway cold water valve

4—Temperature Pressure Relief Valve Discharge Pipe

6—Gas Line Sediment Trap

GAS LINE SEDIMENT TRAP

