



Building Safety Division  
City of Bend  
(541) 388-5580  
building@bendoregon.gov  
710 NW Wall Street, Bend OR 97703

This submittal form is to be completed as part of your application with the City of Bend. *Download this form before completing fillable fields*, then upload with your application through the Online Permit Center at [www.bendoregon.gov/permitcenter](http://www.bendoregon.gov/permitcenter).

## WATERLINE REPAIR-REPLACEMENT WORKSHEET

Electrical panels in older homes and commercial buildings were grounded through the metallic water supply system. With these older systems now failing and needing replacement, the metal pipe is being replaced with plastic. This eliminates the ground path for the electrical panel and can create an electrical shock hazard.

- Plastic piping exists- worksheet complete, no other sections required
- Metal piping exists
- Repair or replacement with like materials is proposed – worksheet complete, no other sections required
- Repair or replacement with plastic materials is proposed – grounding statement required, see below

Existing metal supply lines being repaired or replaced shall be done with like materials or if using approved plastic pipe the applicant shall, prior to permit issuance, provide a signed statement from a licensed electrical contractor or the property owner verifying the existing electrical system is adequately grounded or purchase an electrical permit to add additional grounding as required.

- Statement provided
- Electrical permit required for additional grounding installation

Plastic materials for water service piping outside underground shall have a blue insulated copper tracer wire or other approved conductor installed adjacent to the piping. Access shall be provided to the tracer wire or the tracer wire shall terminate above ground at each end of the nonmetallic piping. The tracer wire size shall be not less than 18 AWG and the insulation type shall be suitable for direct burial.



### Accommodation Information for People with Disabilities

To obtain this information in an alternate format such as Braille, large print, electronic formats, etc. please contact the Building Safety Division at building@bendoregon.gov or (541) 388-5580; Relay Users Dial 7-1-1.