Solving Corrosion Problems Using the CPSI Cathodi-Clamp® for Water Main Breaks

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What’s Your Biggest Cost to Repair a Main Break?
“Hot-Spotting”: CP Anodes at Water Main Breaks

Do I really want to re-excavate this hole for another water main break?

Install a sacrificial CP anode while the water main repair excavation is already open!
Document all leak and main break repairs as recommended by AwwaRF

Install a sacrificial anode every time the main is exposed for repairs or tapping.

Install the anodes where earlier leak problems have occurred

Empirical Effectiveness of CP Hot-Spot Anodes

- Over 50% of the current from a sacrificial anode* placed within 3-5 feet from the water main will be picked up within 15-25 feet each side of the anode.
- In most soils, a sacrificial anode will provide CP current to mitigate at least 90-95% of new corrosion on the water main.

*Recommended anode size is at least 17#
Cost of repairing a water main break  
versus  
installing a sacrificial anode during a pipe repair...

Average Cost of a Main Break
$3,500 to $5,000

Cost of a CP Anode and a Connection Device
Less than $150!
Consider a CPSI Cathodi-Clamp® for your Connection Device

- Connect sacrificial anodes to buried water main piping using just simple hand tools.
- Eliminates personnel safety hazards versus thermite welded connections in wet excavations.
- Proprietary “cutter bolt” minimizes pipe surface preparation.
- Proprietary silver-soldered lead wire connection ensures electrical conductivity.
- Available in three sizes to fit iron water main pipe up to 18” diameter.
Individual packaged sacrificial anodes should be placed at a minimum 5-10 foot separation, preferably at opposite sides of a continuously-metallic pipeline where excavation and trench-safety limitations allow.

Cable bonding to irregularly-shaped valve housing is difficult using exothermic welds; weld caps may not properly adhere to wet surfaces.
Use the CPSI Cathodi-Clamp® Device Instead!
Connects to buried piping using just simple hand tools

Fasten the clamp…

…and tighten the bolt
Eliminates personnel safety hazards in wet excavations

CPSI Cathodi-Clamp® Device is safe

Exothermic welding may be unsafe
Secure connection to epoxy- or asphaltic-coated surfaces.

Epoxy-Coated Specials

Asphalitic-Coated DIP

Available in three sizes to fit various size structures!
CPSI Cathodi-Clamp® on New Ferrous Pipe

Bonding across Pipe Joints

Anode Installations on New DIP
CPSI Cathodi-Clamp® on New Ferrous Appurtenances
Do You Need More Information Regarding Your Specific Project? Please Contact Me!

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