

CPSI Project Showcase - Stray DC Interference

Problem: Corrosion Failure of New Water Transmission Main



Issues Relating to the Customer's Corrosion Problem:

- ◆ New ductile iron water pipe installed failed in less than 18 months
- ◆ DC interference from foreign rectified-anode CP system causes corrosion failure
- ◆ Water utility must replace pipe section and correct problem before service can be restored

Solution: Install Interference Bond to Drain DC Current



Benefits of the Solution to the Customer's Corrosion Problem:

- ◆ New water pipeline is restored to service with minimal disruption
- ◆ DC interference from foreign rectified-anode CP system is able to be properly managed
- ◆ Water utility has the means and measures to verify the interference problem is mitigated



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