

# CPSI Project Showcase - Sewage Pump Station

Problem: Corrosion of External Shell of Buried Pump Station Chamber



Issues Relating to the Customer's Corrosion Problem:

- ◆ Buried carbon-steel pump chamber is vulnerable to external corrosion failure
- ◆ Ground water entering pump chamber deteriorates reliable pumping operations
- ◆ Sewage utility could not afford a corrosion failure on such critical infrastructure

Solution: Install Rectified Anodes to the Buried Pump Station Chamber



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

- ◆ Rectified-anode CP systems were installed surrounding the buried pump station
- ◆ Further corrosion is being mitigated through the application of cathodic protection
- ◆ Sewage utility can maintain its critical infrastructure knowing that corrosion is mitigated



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