

# Eugene Water & Electric Board

## (2) 1MG Reservoirs

Courtesy Brown  
& Caldwell

INLET / OUTLET

DRAIN

INLET / OUTLET

INLET / OUTLET

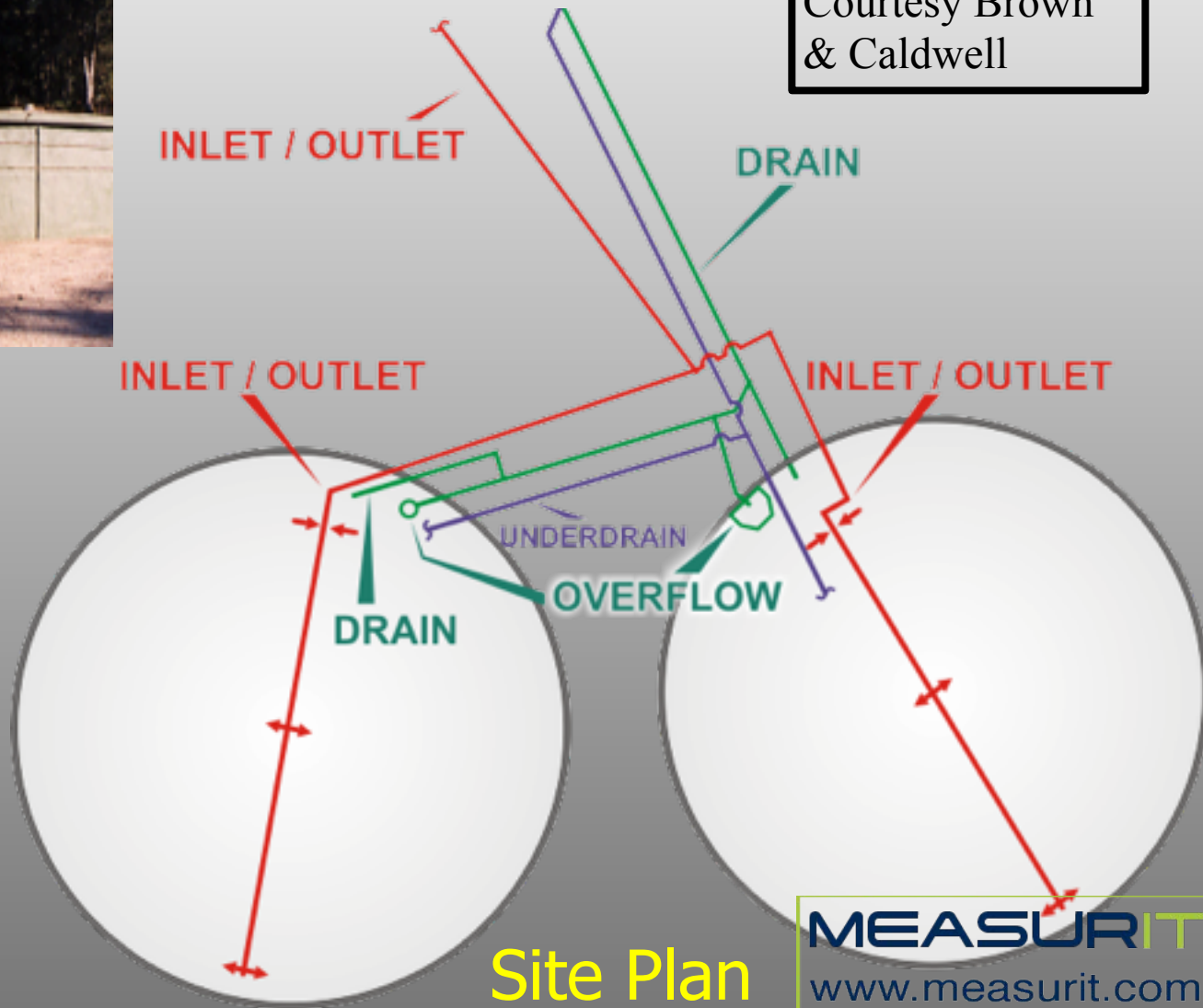
UNDERDRAIN

DRAIN

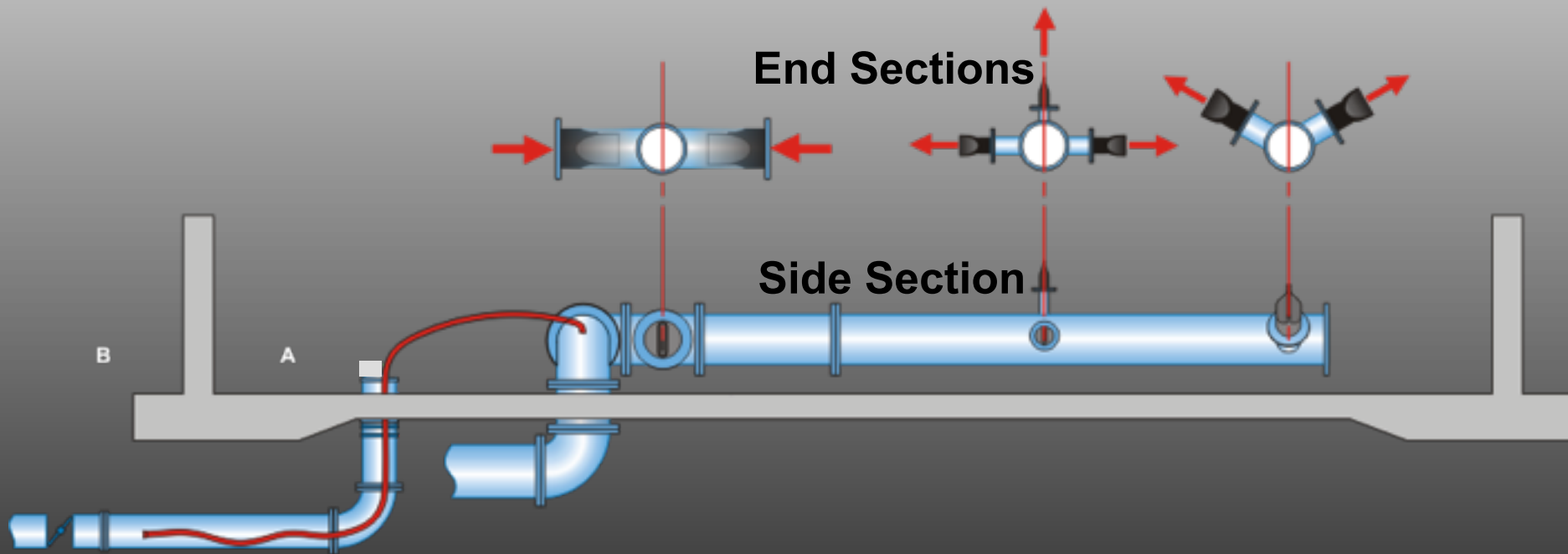
OVERFLOW

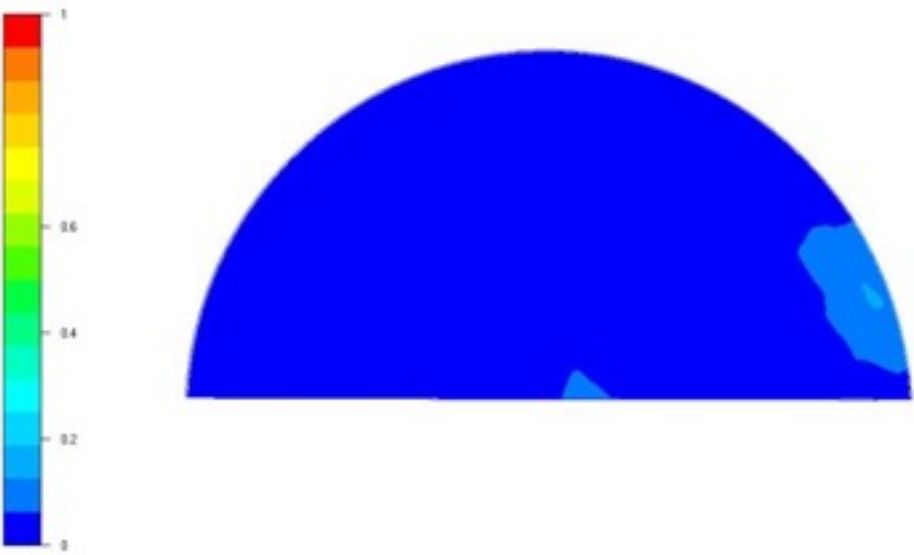
Site Plan

MEASURIT  
www.measurit.com



# Typical Elevation View – Reservoir Inlet/ Outlet Header





Time: 100 (1 of 36)

**2 Minutes**



Time: 1000 (10 of 36)

**15 Minutes**



Time: 1800 (18 of 36)

**30 Minutes**

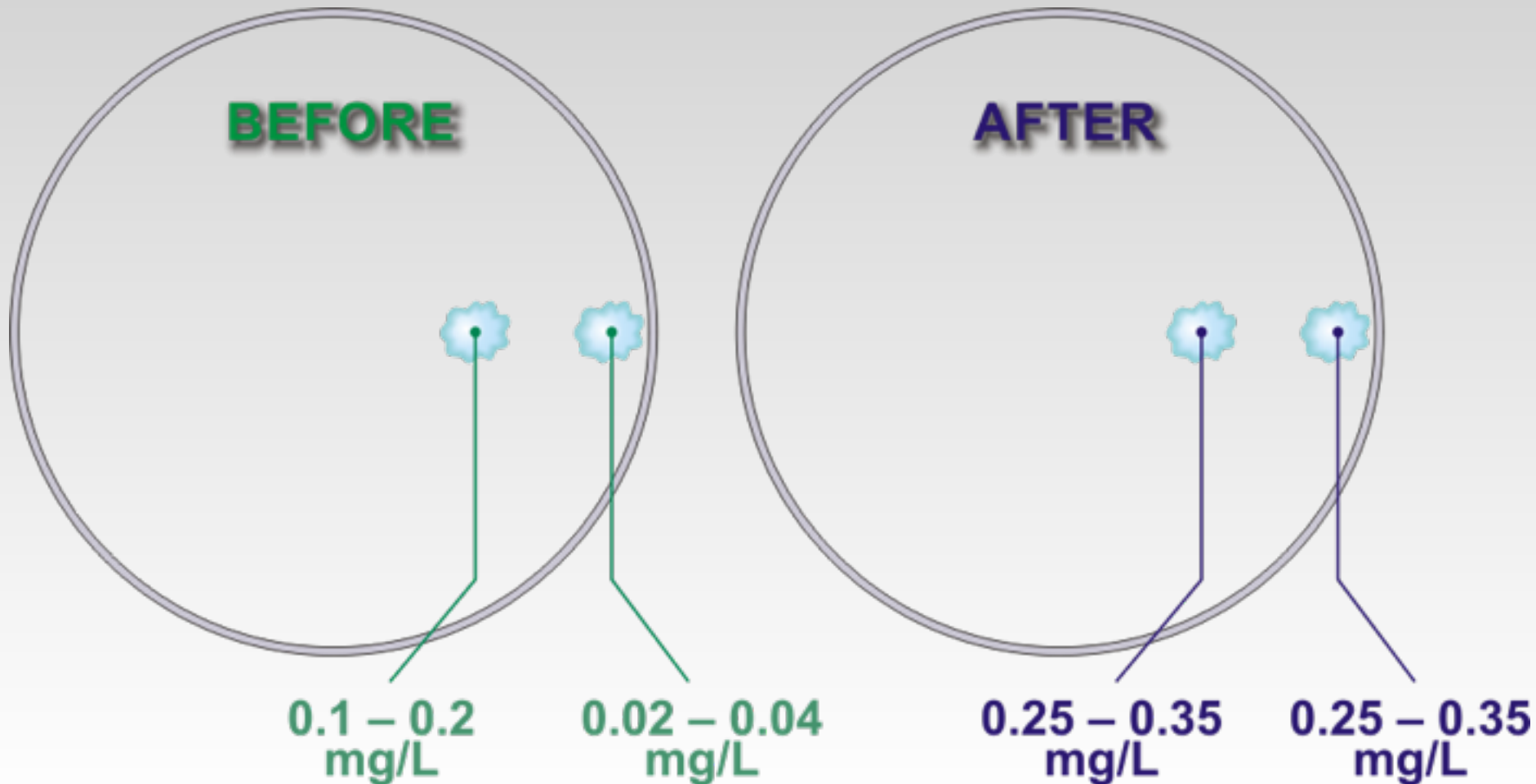


Time: 3600 (36 of 36)

**60 Minutes**

**CFD Modeling Conducted  
by Red Valve Co.**

# Chlorine Residuals are Consistent Throughout Tank



# Inlet/Outlet System is Effective – Response is Positive

- Initial fill produced 6-8 foot jets into free air
- Surface float moved 3 feet in 5 seconds
- Chlorine residuals are consistent throughout tank
- Chlorine residuals throughout system have increased