

SealBoss ® Case Study

Date of Completion: January 2011

Client: City of Centralia Salzer Valley Wastewater Utility

Location: Centralia, WA

Applicator: Jason Schroeder

Scope: Client is experiencing water infiltration through Valve Vault. The estimated water intrusion is 15GPM. Possible water intrusion problems arise from high water table producing significant hydrostatic pressure requiring high pressure application of chemical grouts capable of combating ground water pressures.

Repair Method: SealBoss Corp. recommends a high pressure polyurethane resin injection on the two sides of the vault allowing water infiltration. Hydroactive polyurethane grout, SealBoss 1510 is then injected into these areas creating a closed-cell, flexible seal against groundwater infiltration while eliminating hydrostatic pressure inside the vault walls. The result, as pictured below, is a fully-sealed, dry valve vault. Infiltration was decreased from 15GPM to leak-free.



Figure 1. Vault Water Infiltration



Figure 2. Dry Vault