

Case Study

Waste Water Settling Tank in a Government Facility
San Francisco, CA



Project Scope

Remedy a leaking in-ground waste water collection pit with the installation of a flexible PVC drop in liner.

Challenge

Built decades ago, the brick lined settling tank was showing signs of failure and needed to be upgraded to ensure liquid integrity. Limited space in the underground area made replacement impossible. Down time could only be a maximum 72 hours, making many lining and coating options unsuitable.

Solution

The project engineers chose a Spectra Blue® PVC liner from Witt Lining Systems. By not being bonded to the pit walls, the Witt liner required minimal surface preparation and allowed the project contractor to meet the strict down time limits for rectifying the pit.

Results

The liner was installed by H3 Services over a weekend. The flexibility of the liner allowed for large fabricated pieces to be folded into the limited work space and then assembled inside the pit. H3 Services field welded the pieces together and formed the liner around the baffle walls. With the liner installed and tested, the settling pit was returned into worry-free service.

