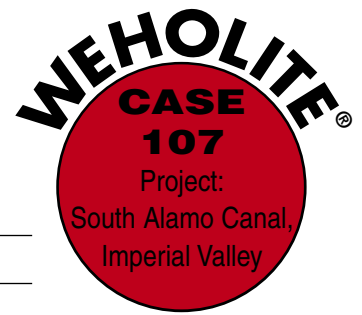




120" Inverted Irrigation Siphon



Project: South Alamo Canal, Imperial Valley
Owner: Imperial Irrigation District
Application: 120" Inverted Irrigation Siphon
Contractor: Imperial Irrigation District

When the Imperial Irrigation District was contracted to divert the South Alamo Canal underground they looked at both Concrete and HDPE pipe. The diversion was required to permit further construction near the Mexican border.

The problems that were faced included an aggressive timetable, a high salty water table and extreme heat. Phase one of the project needed to be completed before the next growing season to prevent disruption of irrigation water.

120" Weholite was selected due to its quick availability, its chemical resistance to salt water and its ability to withstand the high temperatures that would be encountered on site. It also provided leak free joints that were fusion welded onsite. All 1874 feet of 120" pipe was completely installed in about 5 weeks, with



the canal water only needing to be turned off for 6 days to finish the tie-in zones.

Imperial is now looking to complete phase two early in 2000 and they intend on using an additional 1000 feet of 120" Weholite to complete the project.