

Los Angeles, California

Weholite for Yard Piping



The Palmdale Water Reclamation Plant (WRP), located in the Antelope Valley area of north Los Angeles County, is being upgraded from secondary to tertiary treatment. Part of the project also includes constructing facilities to provide for agricultural reuse of the treated WRP effluent. A 12-mile long force main connects the WRP with storage reservoirs that provides storage of treated effluent in the winter when WRP flows exceed the agronomic capacity of the agricultural sites. Effluent is returned from the reservoirs in the summer when crop water demand exceeds WRP output. The 72" diameter Weholite pipe links two pumping plants approximately a quarter mile apart to allow the seasonal pumping options to occur.

Design considerations when specifying Weholite pipe included cost, speed of installation, and corrosion resistance. The large diameter HDPE pipe also provides some storage and buffering of the flows when effluent changes direction during operation of one or both of the connected pumping plants. Safety being the number one concern, Professional Piping Contractors gained confidence handling and installing Weholite after a few hundred feet into the project. For this low-pressure application when the pipe may be partially full or surcharged, Weholite HDPE pipe provides a cost effective installation with a long material life.

Project:
 Palmdale Water
 Reclamation Plant Effluent
 Management Facilities

Owner / Engineer:
 Los Angeles
 County Sanitation District No.
 20

Application:
 Yard Piping
 Approximately 1250' of 72" RSC
 160 Weholite x 60' lengths

General Contractor:
 Hobbs-Bannerman

Piping Sub-Contractor:
 Professional Piping Contractors