

STRONGWELL®

APPLICATION PROFILE



EXTREN® - MATERIAL OF CHOICE TO SUPPORT HEAVY DUTY WASTEWATER PIPING

Massive aeration pipes at the Littleton/Englewood wastewater treatment plant in Englewood, Colorado, are being supported by EXTREN®, Strongwell's proprietary line of fiberglass reinforced structural shapes.

The cities of Littleton and Englewood, Colorado experienced major population growth that, with an increase in demand and arrival of more stringent pollution control regulations, pressed the cities to update their shared water treatment facility. Contractor Western Summit Constructors won the job to increase the wastewater treatment's capacity from 36 million gallons per day to 50 million gallons per day.

A portion of the plant's expansion included the addition of 20" to 48" diameter aeration piping placed into a submerged basin. The heavy duty piping was fabricated to contain 5,000 pounds of thrust that is produced by the air passing through the aeration system. Given the corrosive wastewater treatment environment, Strongwell's EXTREN® fiberglass structural shapes were selected to fabricate the single and dual seated pipe supports.

The EXTREN® pipe supports were a perfect fit because the lightweight FRP beams, columns and gusset plates are all corrosion resistant and extremely cost effective when compared to stainless steel. The project managers at the Littleton/Englewood were extremely pleased with the installation and love the fact that the fiberglass pipe supports will remain virtually maintenance-free for years to come!



TECHNICAL DATA

Product:	Wastewater Pipe Supports
Process:	Pultrusion, Fiberglass Fabrication
Materials:	EXTREN® 525 series fiberglass reinforced polyester, fire retardant
Sizes:	EXTREN® 2" x 6" x 1/2" I beam EXTREN® 3/4" plate EXTREN® 10" x 2-3/4" x 1/2" channel
For:	Littleton/Englewood Wastewater Treatment Englewood, CO



STRONGWELL
Chatfield Division
1610 highway 52 South
Chatfield, MN 55923-9799 USA
(507) 867-3479, FAX (507) 867-4031
www.strongwell.com