

OVERVIEW: Drainage Channel at Grand Marais Lateral in Jennings, LA

During the fall of 2004 the city of Jennings, Louisiana recognized the need for a drainage improvement along the side of the current High School football field. The Grand Marais Lateral drains a majority of the City of Jennings stormwater and is only one of several projects that will be done to widen the channel.

The scope of the project was to clear and widen the existing channel to provide a greater capacity of water to flow. Aesthetics were taken into consideration also as the area would be viewed by passers by from an adjacent street as well as those who attended functions at the football field. It was evident that sacked concrete revetment (widely used in the region for years) had failed in many areas of the site and had dislocated itself downstream. At the time of construction two pre-existing 48-inch culvert pipes which lay beneath the pedestrian crossing and ambulance access to the field from the parking lot choked the flow of the channel. As part of the site improvements a new aluminum box culvert replaced the pipes. Areas outside of the protection were eroding away the banks of the channel as well. By comparison, the before and after photos found here speak for themselves.

A total of 13,320 SF of ArmorLoc 3510 hand-placed ACB block revetment was specified and installed up and downstream of a new aluminum box culvert. Sediment from subsequent flow events will serve to fill the open cells of the block units as a means to promote vegetation.



PRODUCT: Armortec ArmorLoc Class 3510 Articulating Concrete Block Units (ACB)

AMOUNT: 13,320 Square Feet

DATE: Spring 2005

OWNER: City of Jennings, Louisiana

ENGINEER: Aucoin & Associates, Inc., Eunice, LA

CONTRACTOR: Bessette Development, Inc., Lake Charles, LA

SUB-CONTRACTOR: New Line Environmental, Inc., New Orleans, LA

SUBMITTED BY: David Kees

DATE: April 2005

