



**ITL RCR-12® | DRAINAGE DITCH SOLUTION—NEW ORLEANS, LA**

**PROJECT OVERVIEW**

Jefferson Parish chose to install RCR-12® in this drainage ditch that was eroding from the center outwards due to the rising water line which would compromise adjacent housing and properties.

**PROJECT GOAL**

Protect the slopes and provide means for directional water flow from outfalls, significantly upgrade site conditions.

**PRE-EXISTING SITE CONDITIONS**

- Subgrade CBR <5%
- Soft clays/vegetation, existing water in channel during installation.
- Existing erosion from the center moving outward, compromising the slope.

**RCR® AS A SOLUTION TO**

- Ditch stability
- Reduce installation downtime challenges—time out of service was days rather than weeks.
- Long-term erosion control
- Costly repair and replacement when using alternative methods like traditional concrete, rip-rap, and pipe.



**TIME & COST SAVING INSTALLATION WITH LONG TERM BENEFITS**

Jefferson Parish was able to successfully install a 96’ section of RCR-12® to stabilize a channel primarily used for drainage. Water levels fluctuate on a weekly basis causing erosion that compromised the slope. The beginning and termination of the ditch tie into a 4’ concrete culvert which were easily transitioned using RCR® and traditional poured concrete. Concrete bags were used in a “bagwall” method to provide erosion control, support, and a smooth transition between the RCR and the existing concrete pipe. The RCR® provided slope stability against the low CBR and soft clays. This job was entirely performed by the municipality in two working days. Using ITL RCR® saved Jefferson Parish labor, time, and cost as well as added considerable longevity to this problematic ditch. Overall cost savings reported: \$48,000.



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