

***EROSION PREVENTION PROGRAM OF
RIVERBANKS THROUGH RIPRAPPING AND
STEEL SHEET PILING***

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OVERVIEW

Riprapping / Armoring of shorelines, streambeds, bridge abutments, pilings and other shoreline structures against erosion is done by piling a variety of rock types, commonly granite, limestone or occasionally concrete rubble from building demolition. It is used to protect coastlines and structures from erosion by the sea or rivers by absorbing and deflecting the impact of a wave.

Aside from riprapping, steel sheet piling is also one of the ways to prevent erosion. Steel sheet piles are long structural sections with a vertical interlocking system that creates a continuous wall. It is used to retain either soil or water.

The City of Parañaque, with the help of the City Engineering Office, constructs riverbank protection through riprapping and steel sheet piling.

RIPRAP PROJECTS

Below is the table of the riprapping projects done in the City of Parañaque from 2012-2015. The table also shows the amount used for the project.

	Riprapping Project	Barangay	Period of Implementation	Amount
1	Riprapping of the creek along Nomad Sports Complex	Merville	August 27, 2012 – October 26, 2012	Php 2,333,264.59
2	Riprapping at Greenheights Ave. (Fr. Sapphire St. to Sampaguita St.) Greenheights Village	San Isidro	October 30, 2012 – January 28, 2013	Php 5,398,245.57
3	Riprapping at Aguirre St., near Kyoto St.	BF Homes	September 22, 2014 – October 17, 2014	Php 1,291,769.85
4	Riprapping at Greenheights Ave. (near Multi-Purpose Hall) Greenheights Vill.	San Isidro	January 2, 2014 – 22, 2014	Php 696,136.24
5	Riprapping at the Creek Wall of Villa Mendoza Village	San Isidro	June 16, 2014 – July 25, 2014	Php 875,474.05
6	Riprapping of portion of Creek at Lopez Village	San Isidro	July 24, 2014 – August 19, 2014	Php 801,885.28
7	Rehabilitation of Damaged Riprap along Sandiville Creek	San Isidro	November 25, 2014 – December 17, 2014	Php 250,824.05
8	Riprapping, Drainage System and Concreting of Pavements at Czechoslovakia St., Section 2	Don Bosco	November 24, 2014 – January 12, 2015	Php 3,808,733.61
9	Riprapping at the Creek wall of Rupee Lane, Villanueva Village	San Isidro	July 14, 2015 – August 10, 2015	Php 1,554,013.13

DOCUMENTATION

RIPRAPPING







RIPRAPPING OF CREEKS IN SALVADOR, VALLEY 2 AND MEMORIAL PARK

PARAÑAQUE RIVER STEEL SHEET PILING



