

ALVIERA DETENTION POND PORAC, PAMPANGA, REGION III, PHILIPPINES

Weirs, Culverts and Transverse Structures

Problem

Ayala Land is developing a township called Alviera in Porac; it has been known as the regional growth core of Central Luzon and would establish the province as a top Northern tourism destination. Porac is then set to become Central Luzon's next industrial hub through Ayala Land's venture and the Subic-Clark-Tarlac Expressway's completion. However, when it comes to calamities, Pampanga ranks among the most vulnerable provinces to flooding. Despite the fact that there are already two flood control structures along the Porac River that overflows during intense downpours, flood control remains to be a concern for the ongoing development of Alviera.

Solution

The concern led Makati Development Corporation to opt in building a water detention pond as an intervention for the town's flooding incidents. Alviera boasts an environmental friendly design, thus, it was constructed using a boulder-filled wire mesh basket and is supported with a mattress type gabion making it one with nature.

Client: Makati Development Corporation

Designer / Consultant: Makati Development Corporation

Contractor: Turfgrass Management Inc.

Products used (Qty.)

- Gabions	Gabion ZN 2x1x1 - 1,211 pcs
- Reno Mattress Plus	Reno Mattress ZN 2x6x0.3 - 120

Date of construction: 07/2023 - 12/2023

[Google Maps](#)

[Google Earth](#)



Completion



Completion