



grasscrete

CASE STUDY

PROJECT:	DC/96/02 Flood Storage Pond Lok Ma Chau, Hong Kong
CLIENT:	Hong Kong Government, Drainage Services Department
MAIN CONTRACTOR:	Sequence Construction Limited
SYSTEM:	GRASSCRETE GC3 (76mm thick)
QUANTITY:	6,700 m²
CONSTRUCTED:	1998/1999



With the advent of Environmental Impact Assessments for new projects in Hong Kong, there is an increasing desire to mitigate the loss of indigenous fauna and flora. An example of this philosophy can be found in flood storage areas in the New Territories near Lok Ma Chau.

Here a pumping station and storage pond was created together with a bund to elevate the roadway above the low-lying fields. To armour the revetments, cast-on-site GRASSCRETE was selected in GC3 (76mm thick) format. With the unbroken and reinforced structure, GRASSCRETE was easily able to accommodate the curved and variable profile of the slopes.

In consultation with Environmentalists, tree pits were also incorporated into the bund revetments and as the lower photo shows, a prolific growth was achieved within just 2 years of construction.

