

CASE STUDY

PORT RIVER EXPRESSWAY

CLIENT: YORK CIVIL

Marine Piling – Road and Rail Bridges over Port River

DID Piling was contracted by York Civil to drive 234 steel piles at 900mm diameter (including 24 raked piles) to a toe depth of 33m.

All works were undertaken from barges using DID's 90t pin jib crane with special piling frames fabricated to assist in the placement of piles.

Strict tolerance controls were required and achieved by DID using a frame and "spud" system of locating and fixing the barges.

Particular challenges associated with working on water were met and overcome including considerable safety requirements and strict environmental controls. DID Piling even used compressed air to create a "bubble curtain" around piling works to prevent shock waves being transferred through the water and upsetting the Port River dolphin colony.



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