

Piling Methodology for Proposed Pontoon Extension

Order of piling works:

Day	Approx. Start time (depending on tide)	Description of Work	Duration of work
1	0500hrs [+/- 2hrs LW]	Pile Socket 'F-E' Driven	1 to 2 hours
1	0600hrs[+/- 2hrs LW]	Pile 'F-E' raised and affixed to socket	1 to 2 hours
1	1200hrs	Pontoon positioned	2 hours
2	0500hrs [+/- 2hrs LW]	Pile Socket 'F-W' driven through pontoon	1 to 2 hours
2	0600hrs [+/- 2hrs LW]	Pile 'F-W' raised and affixed	1 to 2 hours
3	0600hrs [+/- 2hrs LW]	Pile 'B-E' pulled from old location	1 to 2 hours
3	0700hrs [+/- 2hrs LW]	Pile 'C-E' pulled from old location	1 to 2 hours
4	0600hrs [+/- 2hrs LW]	Pile 'B-E' driven new location	1 to 2 hours
4	0700hrs [+/- 2hrs LW]	Pile 'C-E' driven new location	1 to 2 hours

Piling method:



All piling work will be done from land using an excavator with a vibro hammer attachment, similar to that pictured above. Vibro piling is recognised to be a lot quieter than percussion piling.

A socket for pontoon pile 'F-E' will be driven. Pontoon pile 'F-E' will be welded into the socket. The pontoon deck will be floated into place around the first pile and anchored in place. The socket for pile 'F-W' will be driven through the pontoon. If rock or hard ground is struck the pontoon may require very slight realigning. Pile 'F-W' will be welded into the socket. Piles 'C-E' and 'B-E' will be uprooted from their current location using the vibro-hammer. Piles 'C-E' and 'B-E' will be driven into new location.

Piling work will be done 2 hours either side of low water so to minimise any disturbance to marine life.

Site Access

Site access is from land only and the site is non vegetated, non-dune, sandy beach with some shingle.

Pollution Control

Emergency spill kits will be positioned close to the works site.