

Option C -		
Item	Description	Qty
1	<b>SeaHaven HD Pontoon:</b>	
	10m long x 3.0m wide Pontoon	1
	7m long x 3.0m wide Pontoon	1
	7.5m long x 3.0m wide bridge Landing Pontoon	1
2	<b>SeaSpan Access Gangway:</b>	
	18m long x 1.25m internal clear width	1
3	Shore Frame	1
4	<b>Piles:</b>	
	8m Tubular Cantilever Pile (200mm dia. 16mm wall thickness)	2
	Pile Guide	2
5	Design, Delivery and Installation of items 1 - 4	1
<b>All for the Budget Price of (Ex VAT):</b>		<b>£86,967.63</b>

### Piling

The piles for this installation have been re-specified to an assumed 8m length. This change has been made to accommodate the increased distance the installation must be from the bank to ensure the bridge landing pontoon does not ground, altering the stability of the installation and potentially damaging the floats. If we were awarded the contract, further analysis of the site would be required to accurately specify whether this assumed length of pile would be sufficient.

Having looked at the site closely with our piling contractor, we are confident that the piling can be carried out from the river bank. Due to this, a significant saving can be made in the mobilisation and demobilisation of the piling plant, a saving reflected in the prices above versus the previously provided budget price based on floating plant.

There is also the potential for a further saving in the cost of the piling if a long reach excavator can be used as opposed to a crawler crane. If the boundary fence atop the river bank can be dismantled for the duration of the works and then reinstated, by ourselves, the use of a long reach excavator would reduce the cost by circa £15,000.00.

### Analysis of Options

With the aim of improving the practicality of the installation for its proposed purpose, serving a rowing club, a number of options were designed, considered and then costed and drawn indicatively. The advantages and limitations of each design have been considered, culminating in what we believe to be the ideal solution for the client, Option C.

Option C provides the most space for rowers to manoeuvre their boats down the access ramp and onto the pontoon installation. As well as this, Option C accommodates a larger working edge to be used effectively by the rowing club than the other options considered.

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