

A494 River Dee Pier Pile Installation - Scope of Works

The items listed below is our understanding of the scope of works from the documents and drawings received during ECI Stage 1, Stage 2 and Stage 3. For clarity we have listed what we included / excluded from the scope of works.

Item No.	Scope of Works Description	Included	Excluded
1	Mobilise Marine Vessels suitable to carry out the works.	- Part Mobilisation of marine plant at Liverpool - Final Mobilisation of marine plant at A494 Site - Road Transport / Marine Towage / Seafastenings	
2	Construction of platform for crane to carry out mobilisation of barge reconfiguration	Allowance has been made to install a suitable platform of 6f2 or similar material and geotextile grid.	No design carried out at this stage
3	Construction of temporary jetting to facilitate the piling works	Installation and removal of a driven tubular pile with steel decking solution allowed for	
4	Construct concrete base for polymer farm to be located on	Concrete base circa 15m x 20m with 250mm upstand to edge to contain spillage	
5	Installation of 24nr 1200mm diameter piles to a minimum length of 28m	- Piles constructed with a permanent casing to a max length of 18m. - Piles to be constructed under a support fluid - Placement of concrete and reinforcement	- No Allowance for dredging - No allowance for UXO survey - No allowance for testing requirements i.e Tips testing, integrity testing or fibre optics at this stage - No allowance for clearance of pile line
6	Installation of pile caps	R7M have only allowed for the lifting of pile caps under the supervision of others	Supply of pile caps
7	Demobilisation of all plant and equipment	As per item No. 1 in reverse	

General Items

Listed below are general items we have considered further to the scope of works.

Item No.	Item Description
1	Attendances
1.1	R7M have included for task lighting of works within our working area.
1.2	R7M have included for safety barriers around our working areas.
1.3	R7M have not allowed for obtaining notices or approvals from local councils, water authorities etc.
1.4	R7M have allowed for setting out, this is to be provided by the client.
1.5	R7M have not allowed for welfare facilities, these are to be supplied by the client.
1.6	R7M have not allowed for dealing with existing services.
1.7	R7M have allowed for offloading and loading of our plant & materials
2	Design & Technical
2.1	All piling work is to be carried out generally in accordance with the recommendations of the 3rd Edition of the 2017 I.C.E Specification for Piling and Embedded Retaining Walls (SPERW).
2.2	R7M have not conducted any design work, and based our offer on the documents and drawings provide.
2.3	This tender is based on the soil's information provided in the enquiry documents, namely: Ground

	Investigation Report, document ref: G190001U (02) Should the actual ground conditions encountered be different to those indicated (by interpolation) in the above report we shall notify the Client as soon as reasonably practical. We shall require to be instructed by the Client on any steps to be taken and reserve the right to seek reimbursement of all additional costs we may incur because of any changes in the ground conditions together with any associated extensions of time.
2.4	R7M have not allowed for weather events outside of our control.
3	Programme & Operational
3.1	We have based our programme on unrestricted working hours. 08:00hrs – 17:30hrs Monday – Friday, 08:00hrs – 14:00hrs Saturday. (optional)
3.2	The programme durations exclude any effects of wind greater than 10 m/s. Should R7M be unable to work due to winds greater than 10 m/s, R7M would seek to recover any associated costs and an extension to the subcontract period.
3.3	Programme is on the assumption that R7's activities will be able to continue uninterrupted by other construction activities. This is to be reviewed upon sight of the main contractor's construction programme
3.4	Our tender offer is based on the programme provided, should you wish us deviate from our programme we would have to review the impact accordingly, this may incur a cost and programme impact.
3.5	Commencement on site would be subject to availability of plant and materials upon receipt of an acceptable order or sub-contract agreement.
4	Other
4.1	Mob/Demob costs are prepared on the assumption that a suitable quay, adjacent to the site with sufficient space and good access for articulated delivery vehicles will be made freely available to mobilise the crane and all associated marine equipment onto the jack ups and floating barges.
4.2	Our proposal is subject to the availability of plant, materials and personnel at the time an order is to be placed and is conditional upon a satisfactory site visit being carried out, so we can fully assess the access restrictions on site, completion of any demolition/enabling works, and completion of the working platform construction.

Maximum weather operational parameters

<u>Activity</u>	<u>Wind speed</u>	<u>Minimum Visibility</u>	<u>Current</u>	<u>Wave Height</u>
Marine Towing	14.0m/s	1000m	<4.0 Knots	<1.2m
Site Positioning	10.0m/s	250m	<1.0 Knots	<0.7m
Jacking and Preloading	10.0m/s	250m	<0.6 Knots	<0.6m
Lifting Operations	10.0m/s	250m	-	<2.0m
Crew Transfers	12.0m/s	250m	-	<1.0m
Man rider cage	7.0m/s	250m	-	<2.0m

Documents and Drawings

Drawing Ref: 395318-MMD-00-XX-DR-S-5050