

Project No: A123043		Review No: 01		Date: 29/09/23	
Project Name: Thames Young Mariners					
Design Stage: Sheet Piling and Pavement Refurbishment					
Description of Project or Element <i>Design of permanent sheet pile wall to allow bank stability improvement. Replacement of defected concrete pavement.</i>					
Design Principles: <i>Geotechnical design to Eurocodes, Pavement design to MCHW</i>					
Key Construction, Operation, Maintenance and Decommissioning Activities: <i>Install sheet piles, removal defect concrete pavement, place new pavement in repair areas.</i>					
Hazard and Mitigating Action to be taken					
COMDE				actions complete?	
C	Working at height. Falling from height. Contractor to ensure safety measures are in place for working at height and safe access is provided in and out of the working area.	I		✓	
C	Working in/near water. Risk of Drowning. Contractor to ensure safe working and emergency procedures are in place for working near water.	I		✓	
C	Rising water levels. Contractor to monitor weather conditions throughout the duration of the works to ensure no expected rise in water levels.	I		✓	
C	Site area is open to public. Injury or death to person entering site. Contractor to ensure safety measures are in place to inform and restrict public access.	I		✓	
C	The site slope downs from top embankment to the marina. Slips, trips and falls. Contractor to ensure safe access and movement is maintained on site.	I		✓	
C	Stability of embankment slope. Current embankment slope demonstrated to be stable in the short term condition. Embankment to be regraded to more stable slope with monitoring of embankment for signs of distress during the works	I		✓	
C	Stability of embankment slope during construction. Methodology discussed and agreed with Contractor. West section (D-D and E-E) designed for 20kPa surcharge to permit construction plant during construction. Exact plant to be provided to designer for review. Elsewhere installation using marine plant.	I		✓	
C, D	Plant operation. Banksmen to be utilised for plant operations, in particular reversing. Contractor to ensure suitability of access routes for tracking of plant.	I		✓	
D	Dust from cutting and demolishing existing pavement. Contractor to wet surfaces sufficiently before cutting and demolishing.	R		✓	
C, D	Manual Handling Injuries. Contractor to provide appropriate guidance of correct manual handling procedures.	I		✓	
C, D	Hand/arm vibration. Strict monitoring and time limits in accordance with HIV assessment to be maintained for use of any hand operated plant. Contractor to provide appropriate PPE.	I		✓	

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C, D	High noise levels. Working hours to be restricted. Appropriate ear protection to be used.	I	✓
C	Pitching of sheet piles. Ensure lifting plant securely connected to the top of pile until fully threaded and supported by the ground. Sufficient operatives should be used to steady and guide piles, especially when windy. Piles only to be lowered upon the signal of the banksmen.	I	✓
O	Overloading of sheet pile wall. Wall designed for up to 0.5m tidal lag in conjunction with 10kPa long term surcharging which has been assessed as a suitable global surcharge to consider the use of the site (kayaks, dinghies and light storage).	I	✓
C	Failure of anchor during testing. Only operatives with specific training to undertake testing.	I	✓
O	Failure of anchor in service. Ground anchor design to be verified by specialist supplier and proof load tested to provided values to demonstrate performance.	R	✓
E	Japanese Knotweed. Japanese Knotweed is present on site. At client request, design considers burying knotweed to avoid disturbance and risk of spreading due to the works. Designer recommendation, as noted on drawings, is that this is treated as soon as practicable.	I	✓
Construction, Operation, Maintenance, Decommissioning, Environmental hazard		Eliminate Reduce Inform Control	
Designer's CDM Review by:			
.....29/09/23.....(Date)			
.....Josh Fletcher.....(Project Engineer)			
Review Approved by:			
.....29/09/23.....(Date)			
.....Andy Marshall.....(Project Director)			