

CONSTRUCTION PROJECT PLAN

METHOD STATEMENT AND RISK ASSESSMENT

CLIENT	Netley Cliff Management Company
PROJECT TITLE	Sheet Pile Wall Replacement
PROJECT NUMBER	P2551
DOCUMENT REF.	P2551-CNX-00-XX-MS-PL-0001
TASK SUMMARY	
There is an urgent requirement to address the ongoing structural failure of a steel sheet pile retaining structure which is sited at the foot of a slope behind Netley Cliff apartments. The replacement scheme involves overpiling immediately in front of the existing sheet pile wall approximately 300mm towards the beach, with a finish level slightly higher than the original to allow site adjustment once piled. Plants and equipment will be stored at the Beach side Public Car Park with access onto the foreshore area via the public slipway.	

REVISION RECORD						
REV	STATUS	DATE	SUMMARY OF CHANGES	PREP	CHK	APP
P	DRAFT	10/05/2024	FOR PLANNING	JA	AK	
I						
R1						
R2						
R3						

This document is intended for use during the planning and on-site element of construction operations on Constructex sites.

A copy of the completed documents should be kept by the Supervisor for reference during all operations.

All personnel involved in the construction operation must be made aware of this document and its content.

A copy of Operational Procedures (Construction) of the Constructex IMS must be available on site for reference for all personnel.



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Appendices

TBC

Part 1 – Induction and Briefing Record

Project Briefing			
Details of Project	☒	Working from floating craft (if applicable)	☐
Operating Procedures	☒	Dress Code (PPE)	☒
Training Requirements	☒	General Emergency Requirements	☒
First Aid	☒	Working NRMI (if applicable)	☐

Site Information			
Access and Security	☒	Lifting Operations	☒
Hazard Summary and Control Measures	☒	Others working on / close to site	☒

Task Specific			
Proposed work methods	☒	Specialist tools	☒
Special precautions	☒		

Questions / Briefing feedback remarks:

Attendance Record			
Induction / toolbox talk by:			
Name	Job	Signature	Date

Part 2 – Construction Information Summary

Task Summary	
There is an urgent requirement to address the ongoing structural failure of a steel sheet pile retaining structure which is sited at the foot of a slope behind Netley Cliff apartments. The replacement scheme involves overpiling immediately in front of the existing sheet pile wall approximately 300mm towards the beach, with a finish level slightly higher than the original to allow site adjustment once piled. Plants and equipment will be stored at the Beach side Public Car Park with access onto the foreshore area via the public slipway.	
Project Date:	TBC
Site Supervisor:	TBC
Site Location:	Netley Cliff Apartments, SO31 5JZ
Information supplied by client:	Client has provided the following documents for planning purposes: • Netley Cliff Ordnance Survey Map • Netley Cliff Topo 2010
Site Information (incl. hazards):	The following information has been gathered during site visits and desk studies: General Constraints The works are constrained by the following: • The existing structures is actively failing, the cliff slope should not be assumed to be stable. • The Rules and Regulations of the ABP Southampton, including navigational and working requirements. • The Requirements of statutory bodies in respect of protection of the Environment. • Marine works Regulations 2007. • The Marine and Coastal Access Act 2009. • All constraints outlined in the project's licence applications. • Working procedure near Southern Water easement. TBC (currently in consultation) Use of the Site • The Site compound will likely be in the public car park at a location as indicated in the site plan.

- The Contractor shall not use any portion of the Site for any purpose other than that connected with the works. Areas outside of the site boundary should not be used or accessed by the Contractor.

Access to the Site

- Where possible/appropriate, access and deliveries to Site are via Victoria Road.
- The Contractor ensures that all people working within the Site are wearing personal protective equipment (PPE) that clearly identifies them as employees of the Contractor.
- Access to the Site from water is constrained by the rules and regulation of ABP Southampton and the use of the river by Others. The Contractor notes that Netley Cliff Sailing Club (NCSC) is adjacent to the Site and will make reasonable communication to keep NCSC informed of the Works.
- The beachfront is publicly accessible from nearby slipway and steps down from the adjacent gabion wall. Sufficient signage should be provided to prevent unauthorised access into the Site.
- Landside access to the beachfront is available via access steps down from the gabion wall behind Netley Cliff apartment gardens. No machinery movement is permitted over these gardens.
- Material and machinery to access the Site via public slipway within the Beach side Public Car Park.
- The Contractor is to ensure that no personnel enter the Site until they have been inducted.

Noise and vibrations

- The Contractor assesses the risk of activities that result in high noise levels, making all reasonable endeavours to protect the health of the public and their own operatives.
- The Contractor shall ensure that the maximum local sound pressure for the region is not exceeded during the programme. To allow for this, the Contractor provides a designated point of contact.
- The Contractor shall monitor and record (activity log) the noise for all activities undertaken during the works.

TBC by CEMP acceptance

Working restrictions/hours

- The normal hours of working for the project will be:
- Monday to Friday: 08:00 to 18:00 hours (excluding Bank Holidays); and
- Saturday: 08:00 to 13:00 hours by arrangement.

TBC by CEMP acceptance

- Constructex can support the Contractor in scheduling work where needed, to coincide with tides/vessel constraints but in order to address residents' needs
- Work hours to be planned with gaps of quiet times so as to allow residents peaceful enjoyment of their homes.

Use of cranes

- No loading on cliff face shall be allowed without approval by the Supervisor.
- Mature trees are present along the cliff face, no disturbance to the root system or branches is permitted without prior approval from the council planning officer. The Supervisor must also be informed of any disruption.

Restrictions on the use of hazardous materials

- The use of explosives is not permitted.
- The use of hazardous materials is avoided where an equivalent non-hazardous alternative exists.
- Any hazardous materials required to be used in the works, having considered the above, are stored and controlled in accordance with all current regulations, best practice guidance and the manufacturer's recommendations.
- The Contractor keeps a record of all hazardous materials used during the works and submits this to the Supervisor prior to taking over or Completion.

Storage of fuel and chemicals

- No refuelling to be carried out on site
- All fuel storage facilities with a capacity greater than 220 liters are double bunded.
- Fuelling to be carried out in designated area only, minimum 5m away from any watercourse.
- Fuelling facilities to be double bunded, spill kits available on site.

Statutory licenses conditions

- The Client has applied for permits, permissions and licences for the works. The Contractor complies with all constraints and conditions included in the applications and decision notices.
- Applications for licences/permits/permissions have been submitted using an outline method statement (Appendix TBC).

The works are constrained by the following general conditions:

	- The general outline methodology provided to the statutory authorities (Appendix TBC). - The Contractor shall ensure that the public access over beachfront is restricted around the Site area for the duration of the works. - The licenses are not yet determined and therefore the final conditions not yet provided. The Contractor shall adhere to the final conditions and consider the information provided to the statutory authorities thus far. Cleanliness and condition of roads and Working Areas - The Contractor is responsible for ensuring that all traffic movements required for the works are undertaken without detriment to public or development roads' cleanliness and condition. Any contamination or damage is rectified immediately by the Contractor and notified to the Supervisor. - The Contractor ensures all working areas are maintained in a clean and tidy condition. - Where chemicals are hazardous, they are stored in accordance with all current regulations, best practice guidance and the manufacturer's recommendations. Traffic management - If required, the Contractor shall submit a traffic management plan. Site manners - The contractor must ensure that all operatives conduct themselves with courtesy towards residents, maintaining a respectful and considerate approach throughout the duration of the project. Waste materials - The Contractor fully complies with all current legislation, regulations and industry best practice in the recovery, handling, transfer, re-use, and recycling of materials and other waste products arising from carrying out the works. Generally, the Contractor minimises waste where possible and ensures that re-use and recycling of materials is carried out where possible. - The Contractor is responsible for the development and completion of a site waste management plan (SWMP) and submission to the Project Manager for approval. Removal of rubbish and debris - The Contractor removes all rubbish and debris as it occurs in the course of the works in accordance with all statutory obligations, including any debris on the riverbed that may not have arisen from the works. The Contractor removes: - All rubbish, debris, surplus material, and spoil regularly and on a daily basis to keep and maintain the Site and works in a clean and tidy condition. - All surplus hazardous materials and their containers regularly for disposal off-Site in a safe and competent manner as approved by a
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	Waste Regulation Authority and in accordance with relevant regulations.
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Work permit required:	Yes ☐	No ☒	Issued by whom?	Client ☐ Constructex ☐ Other ☐	If other, please specify:
EA permit required:	Yes ☒			No ☐	
CDM notifiable?	Yes ☐			No ☒	
Hot works permit required:	Yes ☐	No ☒	Issued by whom?	Client ☐ Constructex ☐ Other ☐	If other, please specify:

Reference Information	
Legal / Regulations	- Health & Safety at Work Act 1974 - The Management of Health and Safety at Work Regulations 1999 - Lifting Operations and Lifting Equipment Regulations 1998 - Provision and Use of Work Equipment regulations 1998 - The Working at Height Regulations 2005 - Navigational and working requirements set out by ABP Southampton - The Requirements of statutory bodies in respect of protection of the Environment. - Marine works Regulations 2007 - The Marine and Coastal Access Act 2009
Drawings / Specifications	- TBC pending planning consent - P2551-DR-0001 - Existing Site Plan - P2551-DR-0002 - Proposed Site Plan - P2551-DR-0003 - Proposed Methodology

Specialised Plant / Equipment Required		
Item	Specification	Maintenance
Crawler Excavator	Up to 20T	
Tracked dumper	Up to 8T	
MOVAX Excavator	Likely 14T	

PPE Required			
Item	Mandatory	Task Dependent	Specification
Hard Hat	☒	☐	
Protective Footwear	☒	☐	
Gloves	☒	☐	
Safety Glasses	☒	☐	
High Vis Clothing	☒	☐	
Working at Height Harness	☐	☒	

Additional Requirements	
COSHH (Appendix N)	Petrol, Diesel, UT coolant, line marker paint, Cement
Manual Handling (Appendix I)	Maximum safe working load of 25kg for single person lifting. Repetitive handling is not planned for. If repetitive lifting is required, then separate manual handling risk assessment needs to be carried out.
LOLER (Appendix O)	All lifting equipment and accessories to be certified and colour coded. Pre and post user inspections to be carried out. All lifts must follow a written lift plan generated by the company AP
PUWER (Appendix R)	Daily log sheets to be filled out for all plant and equipment. All electrical equipment to be PA tested. All hired in equipment to have certificates on file where appropriate.
CEMP	A Construction Environmental Management Plan (CEMP) will be produced in order to meet compliance with waste management and noise management.

Part 3 – Method Statement

Outline Methodology	
Task	Method
Site set up and Mobilisation	<u>Site Set Up (Landside)</u> - Due to the nature of slopped cliff face on the landside, it is not expected to accommodate any Site set up. - Plastic mesh barrier fencing along the cliff slope to deter public access down the gabion wall. <u>Vehicle Access</u> - Main vehicle access for personnel and material delivery is via Victoria Road.  <u>Site Welfare and facilities</u> - Site Welfare and facilities to situated in Beach side Public Car Park. <u>Site Set Up (Beach front)</u> - Timber tracking mats to be pinned into gravel shingle beachfront to allow even bearing pressure from tracks - Excavator with lifting eye to move tracking mats from storage to beachfront - Site team to ensure tracking mat securely pinned to the ground - Excavator to track along matted area only <u>Foreshore access</u> - Access from car park onto beachfront via public slipway

Replacement Piling	<u>Plant Set Up</u> - Excavator with lifting eye attachment to carry steel sheet piles needed for the day from storage to work area - Estimated round trip to take approximately 30min - Concurrent working with MOVAX if possible <u>Piling Work</u> - Excavator with MOVAX side grip attachment to move along tracking mats to reach work area - Pile immediately in front of the existing sheet pile wall offset by 300mm - Drive steel sheet piles minimum of 700mm above existing finish level <u>End of Shift</u> - Any machinery, unused material, and operatives to return to the car park at the end of each tidal window - Sufficient operating time between tidal windows will depend on water level, judgement by suitably qualified and marine experienced Site Manager - Tracking mats to remain in place for next work shift
Pile cut off	<u>Plant Set Up</u> - No heavy machinery required for this activity <u>Cutting work</u> - Operatives to work from foreshore and access the required height by means of ladder - Cut off top length of sheet pile to 700mm above existing height to match NCSC sheet pile wall finish height - Excess sheet pile to be removed from beachfront and disposed of off-Site <u>End of Shift</u> - Any unused or waste material, and operatives to return to the car park at the end of each tidal window - Sufficient operating time between tidal windows will depend on water level, judgement by suitably qualified and marine experienced Site Manager
Reinstate backfill	<u>Plant Set Up</u> - Tracked dumper with backfill material and excavator with bucket attachment to move along tracking mats to reach work area <u>Backfill Work</u> - Light compaction after each section - Maintain existing slope gradient <u>End of Shift</u> - Any machinery, unused material and operatives to return to the car park at the end of each tidal window - Sufficient operating time between tidal windows will depend on water level, judgement by suitably qualified and marine experienced Site Manager - Tracking mats to remain in place for next work shift
Demobalisation	<u>Tracking mats</u> - Tracking mats to be removed, lifted by excavator with lifting eye - Removal in order of tracking back towards car park <u>Site</u> - All equipment should be removed from Site - All waste to be removed from site in accordance with SWMP

	• Notify Client and relevant authorities of work completion
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Site Control and Responsibility*	
Site Supervisor	The Site Supervisor is responsible for any works that directly or indirectly may impact the construction operations. The Site Supervisor is responsible for all construction operations. The Site Supervisor is the only one who can start an operation.
Site Staff	Any member of the site staff can call a stop to operations if they have a safety concern.
Project Manager	The Project Manager is responsible for all commercial queries and has overall project responsibility.
Engineer	The Engineer is responsible for all technical issues.
*A full list of roles and responsibilities can be found in Construction Operating Procedures.	

Interface with others
Interfaces are to be conducted between Contractor and the following: • Netley Cliff Management Company (NCMC) • ABP Southampton / VTS • Maritime Management Organisation (MMO) • Eastleigh Borough Council (EBC) • Environmental Agency (EA) • Southern Water (TBC) • Crown Estate Management Agent (Carter Jonas) • General Public Details of these interfaces are to be confirmed.

Part 4 – Project Contacts

General Contacts				
Contact / role	Name	Number	Email	Address
Constructex Office	Directors	03333 551 892	huw@constructex.co.uk	Riverside House, Upper Quay PO16 0LY
Project Manager	TBC	TBC	TBC	Riverside House, Upper Quay PO16 0LY
Site Supervisor	TBC	TBC	TBC	N/A
Client Contact	Derek Ide	07505778986	derek.ide@gmail.com	N/A
Client Contact	Diane Chilton	-	dianechilton@hotmail.co.uk	N/A