

PROJECT TITLE: **A48 Pier 7 Ground Investigation Works**

CONTRACT NUMBER: TBC

METHOD STATEMENT TITLE: Cantilever scaffold installation and boring works

Date of Commencement: 22nd July 2025

Approx Duration: 4 Weeks

Supervision: Site operations manager TBC on commencement

Authorised person for issuing & signing permits: Site Agent / Site Engineer

First Aider(s) TBC

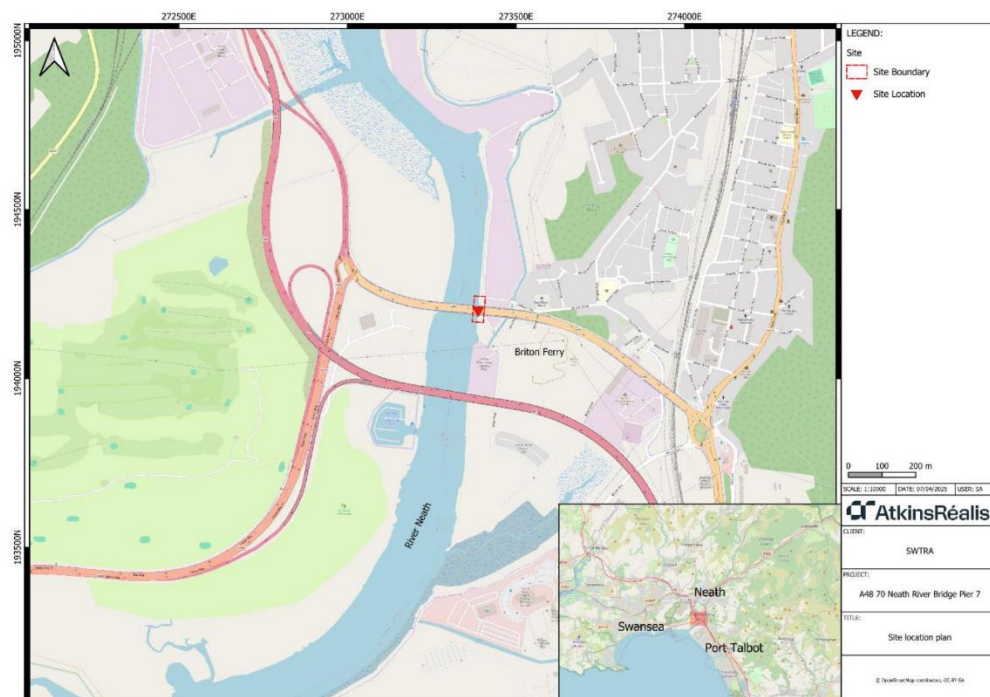
Document revision & Approval:

Revision:	Date:	Prepared by:	Approved by/ date:	Approval Code
0	23/05/25	Cai Jones	Alun Jones	A

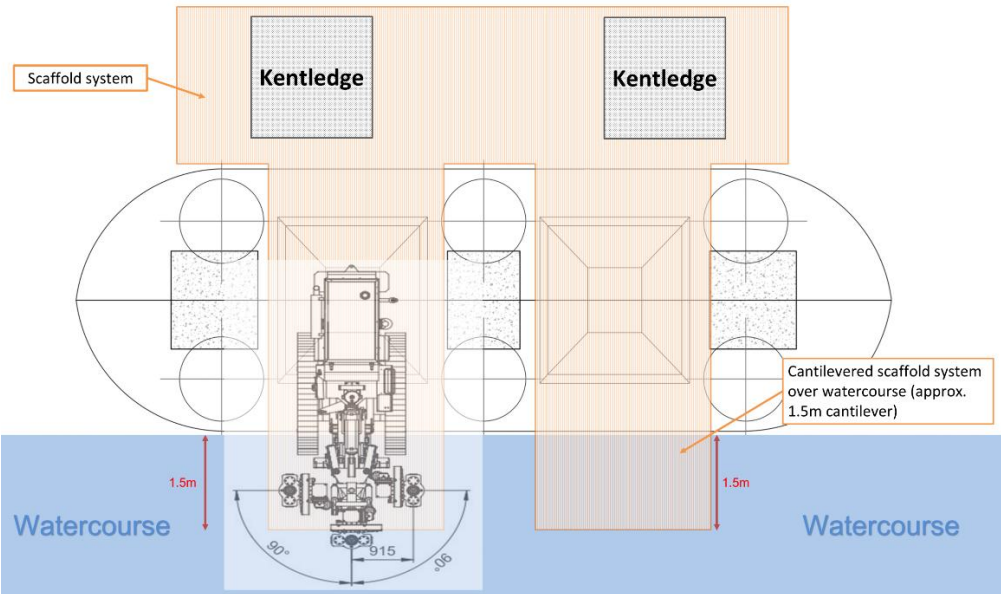
A- Accepted for construction; B- accepted subject to comments; C- not accepted

Location

Pier 7, A48 70 Neath River Bridge
Grid ref: 273388E 194199N



Scope of Work	• The works involve: • Installation of a cantilever scaffold system fixed to the base of Pier 7, extending out over the river channel. • Positioning of a rotary drilling rig (Comacchio MC600 or similar) on the scaffold platform. • Drilling of rotary cored boreholes to approximately 30m depth. • Recovery and logging of core samples. • Implementation of environmental and safety controls to prevent watercourse contamination or structural risk. This Method Statement has been developed for the Marine Licence application for the works. More detailed method statements and risk assessments for each element of work will be developed before commencement of works.
Equipment and PPE	<u>Drilling equipment:</u> • 1 No. Cable Percussive Drill Rig • 1 No. Comacchio MC600 Multi-functional Drill rig • 2 No. 4x4 vehicle and Trailer • 1 No. Small Van • 1 No. 400cfm compressor PPE • Hard hat. • Safety footwear. • High visibility clothing, long sleeves and trousers. • Gloves. • Goggles, dust masks and ear defenders (suitable to operations being carried out) • Waders • Wet/Drysuit and life jackets as required to perform specific tasks.

Method	Scaffold Access System  • A scaffold platform, as depicted in above sketch will be securely cantilevered from the concrete base of the pier. • It will be designed by a competent Temporary Works Engineer to accommodate live and dead loads from the drilling rig and operatives, accounting for potential inundation during high tides. • Platform includes full edge protection, a deck rated for imposed loadings of 1.5kN/m² minimum, and safe means of access/egress. • Kentledge blocks will be used for ballast and stability. • Regular scaffold inspections and sign-off will be conducted as per TG20:21 compliance. Drilling Methodology • Initial service clearance will be undertaken using GPR and eCAT4+ with Signal Generator. • A cable percussive borehole may be used to advance through superficial deposits if required before switching to rotary coring. • The rotary coring process involves: ○ Setting up the rig on the scaffold deck using outriggers and tracking the rig into position using remote control. ○ Use of casing to maintain borehole stability. ○ Use of water flush to aid drilling, with arisings and fluids captured using banded sheeting and sandbags. ○ Fluids will be pumped into an IBC and disposed of off-site at a licensed facility. Environmental Controls • Marine Licence: To be secured by the Principal Contractor prior to commencement. • Containment: Use of plastic sheeting, sandbags, and bunds to prevent waterborne contamination. • Waste Management: All drilling arisings and flush will be contained and removed. • Spill Response: Spill kits and absorbents available on-site; immediate containment and reporting protocols in place. • Noise/Dust: Suppression via dampening down. FFP3 masks and hearing protection as standard PPE.
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Health, Safety and Emergency Measures

- **Fall Protection:** Full edge protection on scaffold, life jackets for all personnel near/over water.
- **Rescue Provisions:** Throw lines and rescue poles kept on-site; no personnel to enter water under any circumstances.
- **Emergency Access:** Maintained at all times. Nearest A&E: Morriston Hospital, Swansea.
- **Communication:** All operatives briefed on RAMS, with sign-off on induction register. Toolbox talks daily.

Risk Mitigation

- Risks identified in the contractor's RAMS (working over water, lifting operations, confined access) are addressed through:
 - Competent personnel with CPCs/NVQ qualifications.
 - Safe lifting plans and exclusion zones.
 - Supervision by SSSTS-qualified supervisor at all times.