



Application for Development Consent

Application Reference Number: WWO10001

Examining Authority's Second Written Round of Questions and Requests for Information

Response from Thames Water

**Code of Construction Practice Part B: Site Specific Requirements
- Chambers Wharf (Revised 13 January 2014)**

Doc Ref: **APP72.18**





Code of Construction Practice Part B: Site-specific requirements

Chambers Wharf

This page left intentionally blank

Thames Tideway Tunnel

Code of Construction Practice Part B

Chambers Wharf

List of contents

	Page number
1 Chambers Wharf	1
1.1 General.....	1
2 General requirements	2
3 Communications and community/stakeholder liaison	2
4 Site operation	2
5 Public access, highway and river transport	4
6 Noise and vibration	5
7 Air quality.....	6
8 Water resources	7
9 Land quality	7
10 Waste management and resource use.....	7
11 Ecology (aquatic and terrestrial)	7
12 Historic environment	8
13 Other	8

List of figures

	Page number
Figure 1.1 Chambers Wharf: Site context and location plan.....	2

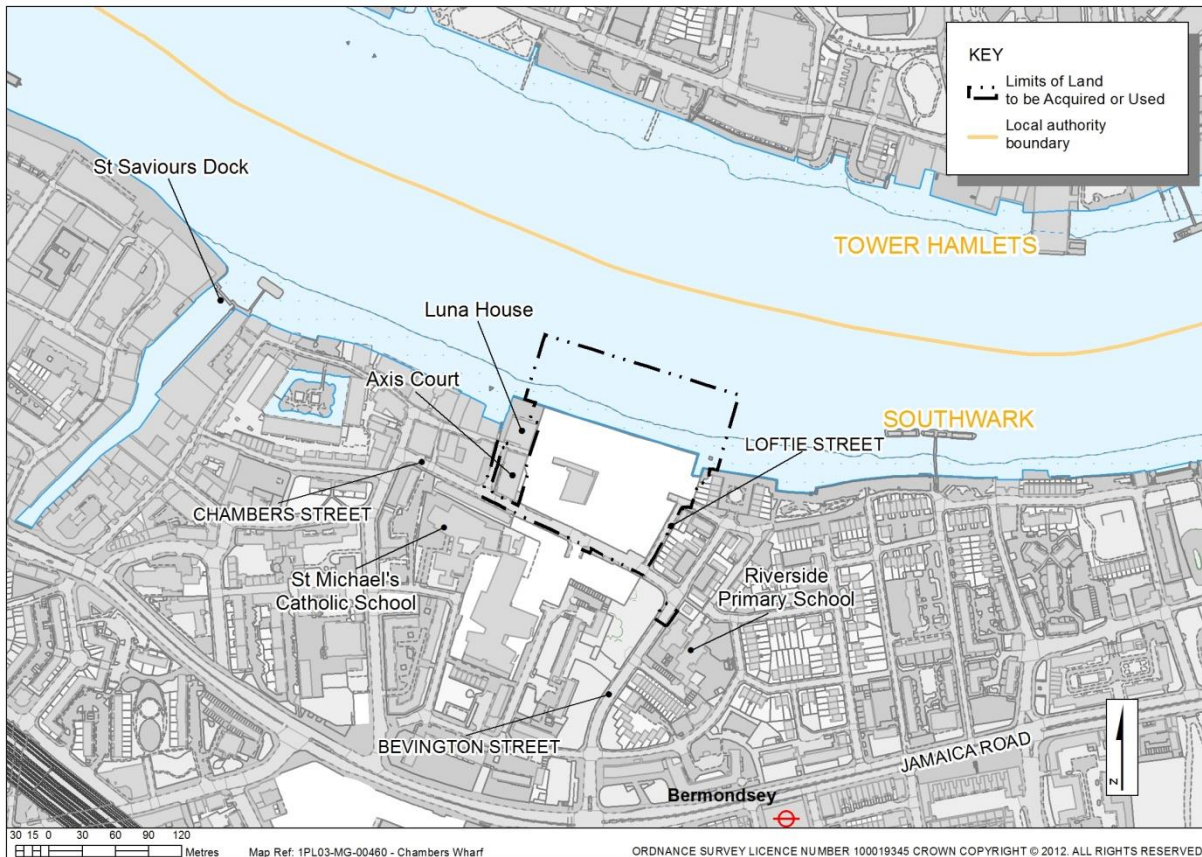
This page left intentionally blank

1 Chambers Wharf

1.1 General

- 1.1.1 All works covered within this document are to be managed and performed to the culture within the Thames Tideway Tunnel vision of 'Zero Incidents, Zero Harm, Zero Compromise'.
- 1.1.2 The *Code of Construction Practice (CoCP)* comprises two parts:
- a. Part A: General requirements. These measures are applicable project-wide.
 - b. Part B: Site-specific requirements. These are site-specific measures, where there are deviations from the general requirements indicated in Part A.
- 1.1.3 This document comprises the *CoCP* Part B for the Thames Tideway Tunnel project works at Chambers Wharf site and identifies the detailed site-specific measures including working hours, site set up and servicing arrangements, taking into account the environmental issues and consultations with the London Borough of Southwark and other stakeholders.
- 1.1.4 For ease of reference the *CoCP* Part B mirrors the headings in Part A. The *CoCP* Part B sets out site-specific issues and deviations from Part A so where there are no site-specific measures reference should be made to the measures set out in Part A.
- 1.1.5 A plan showing the location of the site is shown in Figure 1.1 below.

Figure 1.1 Chambers Wharf: Site context and location plan



Note: For detailed Limits of Land to be Acquired or Used, refer to drawings in the Book of Plans.

2 General requirements

2.1.1 As per text in CoCP Part A.

3 Communications and community/stakeholder liaison

3.1.1 The project shall convene a community liaison working group in accordance with Schedule 4 of the Section 106 agreement with the London Borough of Southwark.

4 Site operation

Topic	Site-specific requirement
Working hours	This site shall adhere to the following working hours: a. standard b. extended standard c. continuous for main tunnel construction.

Topic	Site-specific requirement
	<p>When other types of working hours (<i>CoCP</i> Part A, Table 4.1) are required, these shall be subject to agreement with the local authority through the Section 61 process.</p>
<p>Site layout</p>	<p>The site layout shall consider the use of required offices and storage containers or structures as noise barriers, while also considering their effect on day and sunlight.</p> <p>Specifically on the southwest corner by Chambers Street, or western boundary of the site, 3 storey offices or equivalent shall be considered for use as a noise barrier. This area of the site is closest to St Michaels School and Axis Court.</p> <p>The site layout, hoarding and noise barriers on the west of the site shall be designed where practical to minimise potential adverse sunlight/daylight impacts on the lower floors of Axis Court.</p> <p>The site layout shall ensure that noise generating operations shall be located away from sensitive receptors.</p>
<p>Site security/hoarding requirements</p>	<p>The standard hoarding shall be increased to 3.6m high around this site.</p> <p>5m high hoarding/noise barrier to eastern edge of site.</p> <p>3.6m high acrylic sheet shall be installed on the river walls subject to planning permission being granted.</p> <p>The hoarding is to be as defined in <i>CoCP</i> Part A para. 4.3.4c incorporating planted hoarding and suitable art work on public facing sections.</p> <p>The local authority shall approve the external appearance of the hoarding. This approval shall not delay the erection of the hoarding, if construction work needs to commence in order to meet the programme. If this occurs, changes to the appearance will be agreed with the local authority and implemented as soon as practicable thereafter.</p>
<p>River works</p>	<p>As per text in <i>CoCP</i> Part A.</p>

Topic	Site-specific requirement
Other items	A site-specific lighting management plan is required. The lighting management plan shall address the impact on terrestrial and aquatic ecology and include the use of low level directional lighting where possible whilst meeting safe work requirements. The Lighting plan is to be submitted to the London Borough of Southwark for approval with respect to potential external impacts.

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The security barrier shall be positioned to allow a standard rigid tipper vehicle to be wholly off the road whilst awaiting barrier operation.</p> <p>The site gates shall be solid panels and shall remain closed, and only opened for vehicle access and egress, to mitigate against noise and other impacts.</p>
Traffic management	<p>All vehicles shall access/egress the site from the A200 Jamaica Road via Bevington Street/ Chambers Street.</p> <p>The site access shall operate as right turn in, left turn out.</p> <p>Parking along Chambers Street from the site entrance to Bevington Street shall be suspended.</p> <p>Sections of parking on Bevington Street at the junction with Chambers Street shall be suspended.</p> <p>A new pedestrian refuge on Bevington Street 20m southwest of the junction of Bevington Street/ Chambers Street shall be provided to accommodate a safe pedestrian crossing.</p> <p>Signage shall be provided to inform pedestrians and cyclists of safe routes and the presence of construction vehicles.</p> <p>No scheduled lorry movements to and from the site between the hours of 08:45 and 09:30 and between 15:00 and 15:45, to avoid the lorry movements at arrival and departure times of Riverside Primary School. The contractor shall provide traffic marshals to prevent site lorries entering Bevington Street at these times.</p> <p>The contractor shall consider alternative pedestrian and cycle diversion routes, which reduce the</p>

Topic	Site-specific requirement
	number of conflict points, within the Chamber Wharf contingency plan should an operational derogation be required for all materials to be transport by road in the peak period of construction activity.
Event restrictions	To be confirmed in consultation with local authority and Transport for London.
River transport	There will be no movement, loading or unloading of river vessels at night (2200 to 0800), delivered through the Transport Strategy. Chambers wharf shall not be used as a transshipment site for materials from other worksites.

6 Noise and vibration

Topic	Site-specific requirement
Control measures	<p>See hoarding and site layout requirements detailed above.</p> <p>Low vibration piling methods will be used unless determined to be impossible. The first 'anchor' piles will need to be installed using a vibratory driver. These anchor piles will be installed at a location away from the closest residential receptors including Luna House and 8-14 Fountain Green Square.</p> <p>Compaction of material on site shall be undertaken using machinery generating the lowest practicable vibration levels which still enables the required level of compaction to be completed. Specifically, large twin-drum vibrating rollers shall only be used where vibration levels can be controlled to less than the impact criteria set in the Environmental Statement.</p> <p>The construction area around the main shaft shall be covered by an enclosure/building during the main tunnel construction and secondary lining works. All cladding and roofs of noise enclosures shall incorporate a suitable noise attenuation material with a minimum sound reduction of 20dB.</p> <p>The building openings shall be designed to be away from sensitive noise receptors and shall be kept closed when not in use at night. Only essential use of openings at night.</p> <p>Enclosures with suitable structure and acoustic attenuation material required for concrete batching plant, grout plant, conveyors to load barges and material storage/handling areas.</p>

Topic	Site-specific requirement
	<p>The material handling area shall be screened by a three-sided enclosure and roof, clad with suitable noise attenuation material.</p> <p>The slurry treatment plant shall be screened by a four-sided enclosure with roof, clad with suitable noise attenuation material.</p> <p>Screen or enclose all static plant including enhanced enclosure for pumps.</p> <p>Movement of vehicles on site outside standard hours shall be restricted.</p> <p>The vessel loading area shall be located to consider the noise impacts on riverside properties on both the east and west of the site.</p> <p>2.4m high noise barrier shall be erected on the edge of cofferdam on the east and west sides of the vessel loading area.</p> <p>The noise barrier on cofferdam is to be constructed with transparent acrylic sheet with a minimum thickness of 6mm and to meet noise attenuation requirements. Barrier up to 1m from ground to be plywood and section above to be transparent to minimise visual impact. Baseline monitoring for noise shall be undertaken for a minimum of 12 months.</p> <p>In-road utility works in Chambers Street to have suitable portable noise barriers including fixing noise attenuating cladding to any portable steel open mesh fencing used.</p>
Other	For removal of the existing jetty decking piles see Part A. The contractor's method is to reduce potential river vibration.

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per text in <i>CoCP</i> Part A.
Dust emissions/control	Baseline monitoring for PM ₁₀ and NO ₂ shall be undertaken for a minimum of 12 months, prior to the works commencing.
Odour	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

8 Water resources

Topic	Site-specific requirement
Control of pollution: surface water/groundwater	All hardstanding (as far as reasonably practicable) on non-foreshore sites to incorporate permeable surfacing.
Control on abstraction	As per text in <i>CoCP</i> Part A.
Ground treatment/dredging	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

9 Land quality

Topic	Site-specific requirement
Site works	As per text in <i>CoCP</i> Part A.
Site-specific issues/mitigation	As per text in <i>CoCP</i> Part A.

10 Waste management and resource use

Topic	Site-specific requirement
Excavated material	As per text in <i>CoCP</i> Part A.
Resource usage	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

11 Ecology (aquatic and terrestrial)

Topic	Site-specific requirement
Protection of habitats	<p>Membrane to be installed between riverbed and temporary backfill material to prevent contamination of juvenile fish habitat and benefits in preserving potential archaeology.</p> <p>Areas of foreshore used for temporary works shall be restored to similar condition and material as was present prior to the works.</p> <p>For removal of piles see <i>CoCP</i> Part A (Section 4.7 River works).</p>
Protection of trees	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

12 Historic environment

Topic	Site-specific requirement
Other	The site-specific heritage management plan for this site shall include all heritage assets along the alignment of the tunnel driven from this site where not directly affected by other sites.

13 Other

Topic	Site-specific requirement
Other	As per text in <i>CoCP</i> Part A.

Copyright notice

Copyright © Thames Water Utilities Limited January 2014.
All rights reserved.

Any plans, drawings, designs and materials (materials) submitted by Thames Water Utilities Limited (Thames Water) as part of this application for Development Consent to the Planning Inspectorate are protected by copyright. You may only use this material (including making copies of it) in order to (a) inspect those plans, drawings, designs and materials at a more convenient time or place; or (b) to facilitate the exercise of a right to participate in the pre-examination or examination stages of the application which is available under the Planning Act 2008 and related regulations. Use for any other purpose is prohibited and further copies must not be made without the prior written consent of Thames Water.

Thames Water Utilities Limited

Clearwater Court, Vastern Road, Reading RG1 8DB

The Thames Water logo and Thames Tideway Tunnel logo are © Thames Water Utilities Limited. All rights reserved.

