



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 (Comparite against 23 September 2013)**

Doc Ref: **APP72.18**





Code of Construction Practice Part B: Site-specific requirements

Chambers Wharf

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Thames Tideway Tunnel

Code of Construction Practice Part B

Chambers Wharf

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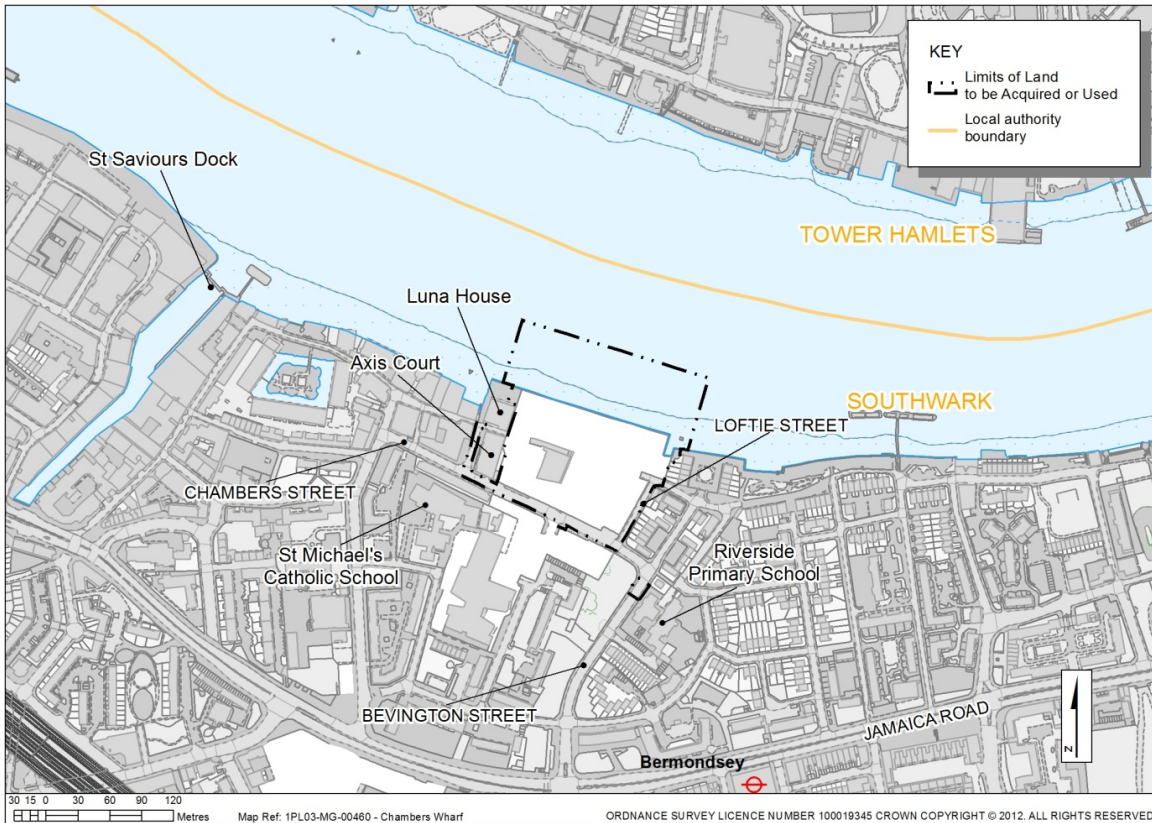
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Chambers Wharf

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

2.0.1 As per text in CoCP Part A.

3 Communications and community/stakeholder liaison

3.0.1 The project ~~will~~shall convene a community liaison working group ~~with representatives made up from residents, local councillors, contractors, the employer, and officers from~~ 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	<p>This site willshall adhere to the following working hours:</p> <ol style="list-style-type: none"> a. standard b. extended standard c. continuous for main tunnel construction. <p>When other types of working hours (CoCP Part A, Table 4.1) are required, these willshall be subject to agreement with the local authority through the Section 61 process.</p>
Site layout	<p>The site layout willshall consider the use of required offices and storage containers or structures as noise barriers, <u>while also considering their effect on day and sunlight.</u></p> <p>Specifically on the southwest corner by Chambers Street, or western boundary of the site, 3 storey offices or equivalent willshall 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 willshall ensure that noise generating operations willshall be located away from sensitive receptors.</p>
Site security / hoarding requirements	<p>The standard hoarding willshall be increased to 3.6m high around this site.</p> <p>5m high hoarding/ noise barrier to eastern edge of site.</p> <p><u>3.6m high acrylic sheet shall be installed on the river walls subject to planning permission being granted.</u></p> <p>The hoarding is to be as defined in CoCP Part A para. 4.3.4ac incorporating <u>planted hoarding and suitable art work on public facing sections.</u></p> <p><u>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</u></p>

Topic	Site-specific requirement
	programme. If this occurs, changes to the appearance will be agreed with the local authority and implemented as soon as practicable thereafter.
River works	As per text in CoCP Part A.
Other items	A site-specific lighting management plan is required. The lighting will 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 willshall be positioned to allow a standard rigid tipper vehicle to be wholly off the road whilst awaiting barrier operation.</p> <p>The site gates willshall be solid panels and willshall remain closed, and only opened for vehicle access and egress, to mitigate against noise and other impacts.</p>
Traffic management	<p>All vehicles willshall access/egress the site from the A200 Jamaica Road via Bevington Street/Chambers Street.</p> <p>The site access willshall operate as right turn in, left turn out.</p> <p>Parking along Chambers Street from the site entrance to Bevington Street willshall be suspended.</p> <p>Sections of parking on Bevington Street at the junction with Chambers Street willshall be suspended.</p> <p>A new pedestrian refuge on Bevington Street 20m south westsouthwest of the junction of Bevington Street / Chambers Street willshall 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</p>

Topic	Site-specific requirement
	<p><u>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.</u></p> <p><u>The contractor shall consider alternative pedestrian and cycle diversion routes, which reduce the 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.</u></p>
Event restrictions	To be confirmed in consultation with local authority and Transport for London.
River transport	<p>As per text in CoCP Part A <u>There will be no movement, loading or unloading of river vessels at night (2200 to 0800), delivered through the Transport Strategy.</u></p> <p><u>Chambers wharf shall not be used as a transshipment site for materials from other worksites.</u></p>

6 Noise and vibration	
Topic	Site-specific requirement
Control measures	<p>See hoarding and site layout requirements detailed above.</p> <p>The use of low <u>Low</u> vibration piling, eg. hydraulic jacking/hydraulic press methods, are required for the construction of the cofferdam where practicable and where ground conditions allow these methods to be adopted. In the piling methods, the contractor needs to give consideration to the proximity of sensitive receptors including Axis Court and 8 <u>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.</u></p> <p>Compaction of material on site will <u>shall</u> be undertaken using machinery generating the lowest practicable vibration levels which still enables the required level of compaction to be completed.</p>

Topic	Site-specific requirement
	<p>Specifically, the use of large twin-drum vibrating rollers will<u>shall</u> only occur on occasions<u>be used</u> where vibration levels can be controlled to less than the impact criteria <u>set in the Environmental Statement</u>.</p> <p>The construction area around the main shaft will<u>shall</u> be covered by an enclosure/building during the main tunnel construction and secondary lining works. The building will have cladding with a specified sound reduction value. 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 will<u>shall</u> be designed to be away from sensitive noise receptors and will<u>shall</u> 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> <p>The material handling area will<u>shall</u> be screened by a three -<u>sided</u> enclosure and roof, clad with suitable noise attenuation material.</p> <p>The slurry treatment plant will<u>shall</u> be screened by a four -<u>sided</u> 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 is to<u>shall</u> be restricted.</p> <p>The barge vessel loading area will<u>shall</u> be located to consider the noise impacts on riverside properties on both the east and west of the site.</p> <p>2.4m <u>high</u> noise barrier <u>shall be erected</u> on <u>the</u> edge of cofferdam on <u>the</u> east and west sides <u>of the vessel loading area</u>.</p> <p>Noise<u>The noise</u> barrier on cofferdam is to be constructed with the transparent plastic (perspex/plexiglass) <u>acrylic sheet</u> 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</p>

Topic	Site-specific requirement
	<p>noise willshall 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 will 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 river-bedriverbed and temporary back-fillbackfill material to prevent contamination of juvenile fish habitat and benefits in preserving potential archaeology.</p> <p>Areas of foreshore used for temporary works willshall 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.

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