

**Thames Tideway Tunnel**  
Thames Water Utilities Limited



# Application for Development Consent

Application Reference Number: WWO10001

## Code of Construction Practice Part B

Doc Ref: **7.19.2**

### **Chambers Wharf**

APFP Regulations 2009: Regulation **5(2)(q)**

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**Thames  
Tideway Tunnel**



Creating a cleaner, healthier River Thames

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# Thames Tideway Tunnel

## Code of Construction Practice Part B

### Chambers Wharf

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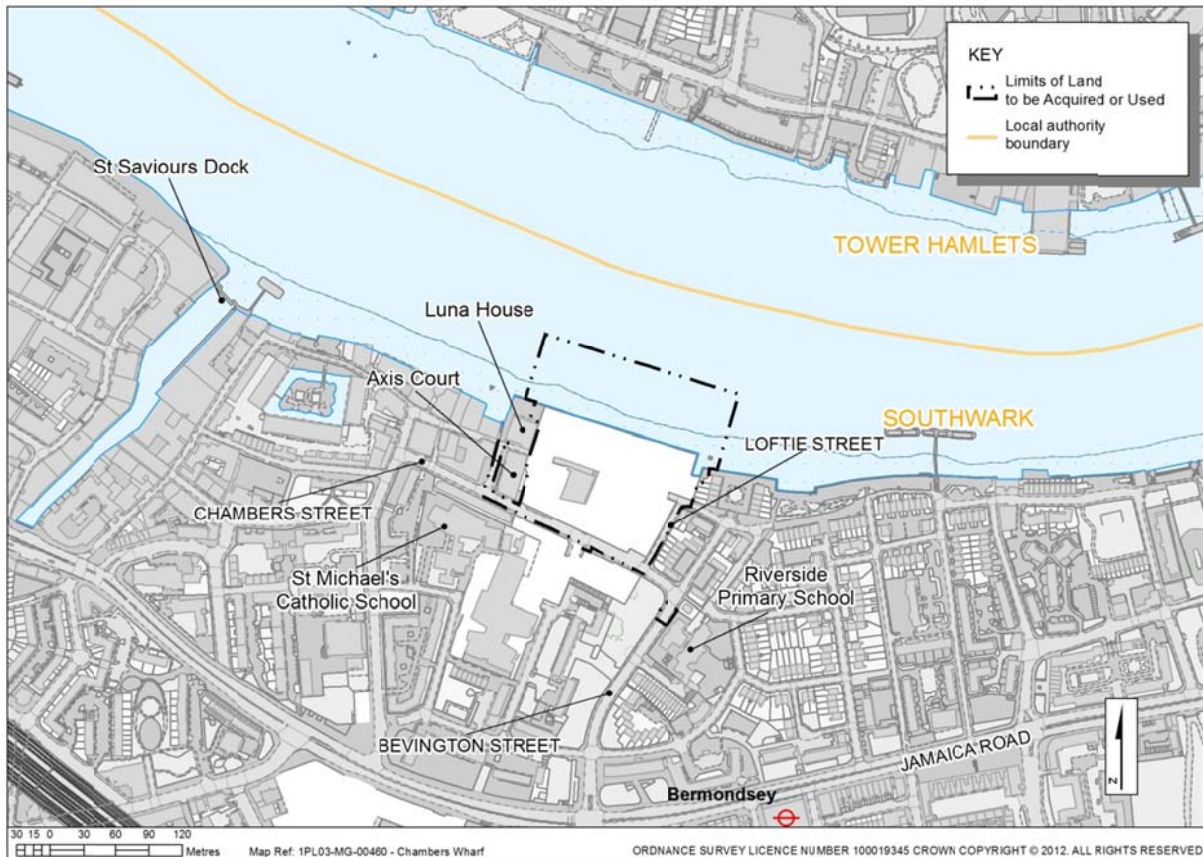
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# 1 Chambers Wharf

## 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 Accidents, 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 will convene a working group with representatives made up from residents, local councillors, contractors, the employer, and officers from the London Borough of Southwark.

## 4 Site operation

Topic	Site-specific requirement
Working hours	<p>This site will adhere to the following working hours:</p> <ol style="list-style-type: none"> <li>standard</li> <li>extended standard</li> <li>continuous for main tunnel construction.</li> </ol> <p>Other working hours are subject to agreement with the local authority.</p>
Site layout	<p>The site layout will consider the use of required offices and storage containers as noise barriers. Specifically on the southwest corner by Chambers Street 3 story offices or equivalent will be used. This area of the site is closest to St Michaels School.</p> <p>The site layout, hoarding and noise barriers on the west of the site shall be designed where practical to minimise potential sunlight/daylight impacts on the lower floors of Axis Court.</p> <p>The site layout will ensure that noise generating operations will be located away from sensitive receptors.</p>
Site security / hoarding requirements	<p>The standard hoarding will be increased to 3.6m high around this site.</p> <p>5m high hoarding/ noise barrier to eastern edge of site.</p> <p>The hoarding is to be as defined in <i>CoCP Part A</i> para. 4.3.4a incorporating suitable art work on public facing sections.</p>
Other items	<p>A site-specific lighting plan is required. The lighting will 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.</p>

## 5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The security barrier will be positioned to allow a standard rigid tipper vehicle to be wholly off the road whilst awaiting barrier operation.</p>

Topic	Site-specific requirement
	The site gates will be solid panels and will remain closed, and only opened for vehicle access and egress, to mitigate against noise and other impacts.
Traffic management	<p>All vehicles will access/egress the site from the A200 Jamaica Road via Bevington Street/Chambers Street.</p> <p>The site access will operate as right turn in, left turn out.</p> <p>Parking along Chambers Street from the site entrance to Bevington Street will be suspended.</p> <p>Sections of parking on Bevington Street at the junction with Chambers Street will be suspended.</p> <p>A new pedestrian refuge on Bevington Street 20m south west of the junction of Bevington Street / Chambers Street will be provided to accommodate a safe pedestrian crossing.</p> <p>Signage to inform pedestrians of safe routes and the presence of construction vehicles will be provided.</p>
Event restrictions	To be confirmed in consultation with local authority and Transport for London.
River transport	As per text in <i>CoCP</i> Part A.

## 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 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 8-14 Fountain Green Square.</p> <p>Compaction of material on site will be undertaken using machinery generating the lowest practicable vibration levels which still enables the required level of compaction to be completed. Specifically, the use of large twin-drum vibrating rollers will only occur on occasions where vibration levels can be controlled to less than the impact criteria.</p> <p>The construction area around the main shaft will be</p>



Topic	Site-specific requirement
	<p>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. The building openings will be designed to be away from sensitive noise receptors and will 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 be screened by a three sided enclosure and roof, clad with suitable noise attenuation material.</p> <p>The slurry treatment plant will 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 is to be restricted.</p> <p>The barge loading area will be located to consider the noise impacts on riverside properties on both the east and west of the site.</p> <p>2.4m noise barrier on edge of cofferdam on east and west sides.</p> <p>Noise barrier on cofferdam is to be constructed with the transparent plastic (perspex/ plexiglass) 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 will 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	<p>For removal of the existing jetty decking piles see Part A. The contractor's method is to reduce potential river vibration.</p>

## 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 <sub>10</sub> and NO <sub>2</sub> will 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 bed and temporary back fill material to prevent contamination of juvenile fish habitat and benefits in preserving potential archaeology.</p> <p>Areas of foreshore used for temporary works will 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	As per text in <i>CoCP</i> Part A.

## 13 Other

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

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### **Thames Water Utilities Limited**

Clearwater Court, Vastern Road, Reading RG1 8DB

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