

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

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Code of Construction Practice Part B: Site Specific Requirements

Kirtling Street - Revised 3 March 2014

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**Thames
Tideway Tunnel**



Creating a cleaner, healthier River Thames



Code of Construction Practice Part B: Site-specific requirements

Kirtling Street

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Thames Tideway Tunnel

Code of Construction Practice Part B

Kirtling Street

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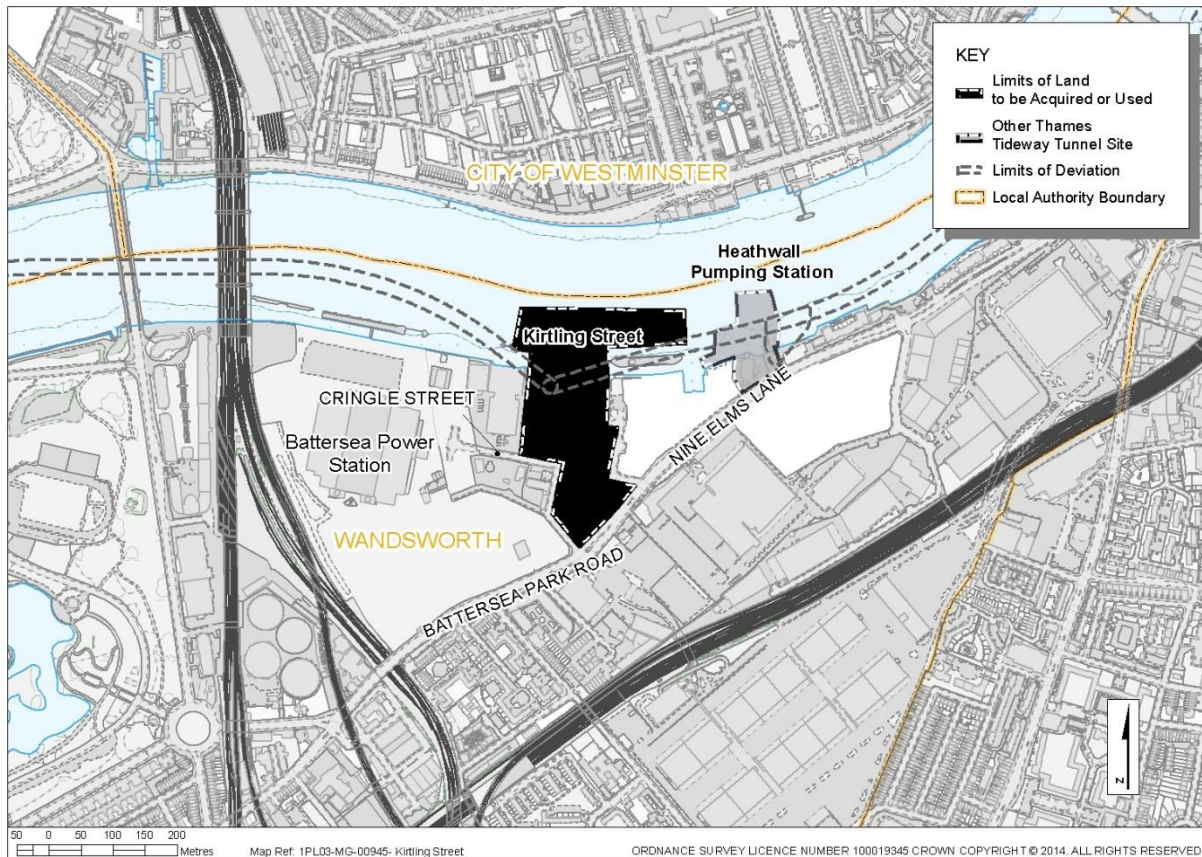
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1 Introduction

- 1.1.1 All works described in this document are to be managed and performed to meet the health and safety vision of 'Zero Incidents, Zero Harm, Zero Compromise' for the Thames Tideway Tunnel project (the 'project').
- 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 deviations from the general requirements are indicated in Part A.
- 1.1.3 This document forms the *CoCP* Part B for the project works at the Kirtling Street site and identifies the detailed site-specific measures including working hours, site set-up and servicing arrangements, taking into account environmental matters and consultations with the London Borough of Wandsworth and other stakeholders.
- 1.1.4 For ease of reference, this document sets out site-specific issues and deviations from Part A; therefore where no site-specific measures are specified, reference should be made to Part A.
- 1.1.5 A plan showing the location of the site is shown in Figure 1.1 overleaf.

Figure 1.1 Kirtling Street: Site context and location plan



2 General requirements

2.1.1 As per the CoCP Part A.

3 Communications and community/stakeholder liaison

3.1.1 As per the CoCP Part A.

4 Site operation

Topic	Site-specific requirement
Working hours	<p>The following working hours shall apply to this site:</p> <ul style="list-style-type: none"> a. standard b. extended c. continuous for construction of the main tunnel. <p>When other types of working hours (see CoCP Part A, Table 4.1) are required, these shall be subject to consent from the local authority under Section 61 of</p>

Topic	Site-specific requirement
	the Control of Pollution Act 1974.
Site layout	<p>The site encompasses part of the existing CEMEX site. Access to the CEMEX site shall be maintained throughout the construction period, entering via Kirtling Street and exiting via Cringle Street.</p> <p>Where practicable, site offices and welfare facilities shall be positioned along the eastern boundary of the construction site in order to assist screening from the Riverlight development. These are not restricted to the 3.6m height of the hoarding at this location, and may exceed this height to assist screening</p> <p>The contractor shall consult the local authority during the development of the site layout in accordance with section 2.7 of the CoCP Part A. This shall be for the following construction phases; site set up, shaft construction, tunnelling, secondary lining and site demobilisation.</p>
Site security/hoarding requirements	<p>The hoarding shall incorporate suitable art work on public-facing sections, as defined in <i>CoCP</i> Part A para. 4.3.4a.</p> <p>The hoarding height shall be 3.6m at this site.</p> <p>The hoarding on the boundary with the Riverlight development shall be a planted hoarding 'green wall', as defined in <i>CoCP</i> Part A para. 4.3.4c.</p>
River works	As per the <i>CoCP</i> Part A.
Other items	<p>The contractor shall produce a site-specific lighting management plan. The lighting scheme shall address impacts on terrestrial and aquatic ecology and include the use of low level directional lighting, where possible, while providing safe working conditions.</p> <p>Lighting on any jetties shall be switched off when not required, excluding lighting required for navigational safety.</p>

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site shall be accessed via Kirtling Street at its junction with Battersea Park Road; exit shall be via Kirtling Street, left turn onto Cringle Street and left turn on to Nine Elms Lane.</p> <p>There shall be no direct access to and from the</p>

Topic	Site-specific requirement
	Kirtling Street site from Nine Elms Lane (A3205), between the Kirtling Street and Cringle Street junctions.
Traffic management	<p>Construction traffic shall be subject to a one-way system on Kirtling Street and Cringle Street. Kirtling Street and Cringle Street shall be kept open for two-way movements for general (non-construction) traffic, except where shown as stopped up on the Access plan.</p> <p>The site exit onto Kirtling Street shall be by the Riverlight development including the car park entrance/exit and nursery. The contractor shall put in place measures to mitigate the risk of conflict with other road users at this junction and pedestrians and cyclists using the Thames Path diversion, including:</p> <ol style="list-style-type: none"> a. establishing a 'give way' system giving priority to traffic on Kirtling Street b. erecting warning signage on the approach to and at the exit gate, reminding drivers to take extra care on leaving the site c. deploying a permanent presence of a qualified traffic marshal during site operations d. provide thorough briefings to transport suppliers to pass on the site entry/exit rules to drivers. <p>The contractor shall erect convex mirrors in consultation with the local authority.</p> <p>The contractor shall be aware of the proposed narrowing of a section of Kirtling Street as part of the Riverlight development works and make appropriate arrangements to mitigate the risks of construction vehicles travelling through this point.</p> <p>The site access onto the southern side of Cringle Street shall operate as right turn in and out only for construction vehicles. The site exit on the northern side of Cringle Street shall operate as left turn out only.</p> <p>A bus stand in Cringle Street shall be relocated in consultation with Transport for London.</p> <p>The Battersea Power Station development and its associated entry and exit requirements shall be facilitated by maintaining a right of way in both directions along Cringle Street from the Battersea Power Station site in the west to its junction with Nine Elms Lane. Project construction traffic exiting</p>

Topic	Site-specific requirement
	the southern section of the worksite turning right into Cringle Street shall give way to traffic on Cringle Street, assisted by signage and traffic marshals.
Event restrictions	As per the <i>CoCP</i> Part A.
River transport	As per the <i>CoCP</i> Part A.
Other items	<p>Adequate signage shall be provided for the diversion of the Thames Path.</p> <p>The contractor shall liaise with Nine Elms Pier Ltd to identify and agree times when houseboats moored at Nine Elms Pier can be safely serviced by other river based service boats, and can safely leave and return to their moorings as is reasonable required for maintenance or other purposes. Where necessary tugs may be used to move the Nine Elms Pier houseboats. Unrestricted access shall also be provided the emergency services to attend the houseboats by river.</p> <p>Where houseboats have been moved from the Nine Elms Pier moorings to facilitate the works, the contractor shall survey the river bed to identify the existing bed profile and shall reinstate the same bed profile, unless otherwise agreed, upon completion of his river based work at this site so that houseboats can return in due course.</p> <p>The contractor shall monitor for scour and accretion in the vicinity of the existing Nine Elms Pier houseboats and shall rectify any adverse scour or accretion that has resulted from construction of the works.</p>

6 Noise and vibration

Topic	Site-specific requirement
<p>Control measures</p> <p>The noise and vibration control measures shall be detailed (and may be modified or added to) in Section 61 consent applications to the local authority.</p>	<p>The construction area around the main tunnel shaft shall be covered by an enclosure during the main tunnel construction and secondary lining works.</p> <p>The building openings shall face away from sensitive noise receptors; at night openings shall only be used where essential and kept closed when not in use.</p> <p>The temporary concrete batching plant, grout plant, conveyors for loading barges and storage/handling areas shall be enclosed by a suitable structure that</p>

Topic	Site-specific requirement
	<p>incorporates acoustic attenuation materials.</p> <p>All cladding and roofing of noise enclosures shall incorporate suitable noise attenuation material with a minimum sound reduction value of 20dB R_w¹.</p> <p>All static plant shall be screened or enclosed.</p> <p>Movement of vehicles onsite outside standard hours shall be minimised.</p> <p>An acoustical barrier shall be installed on the land side of the jetty to screen noise generated by loading and unloading of vessels. The barrier shall be continuous along the full length of the jetty and shall ensure noise is screened for all tidal ranges. In the event of any berthing on the landside of the jetty for loading or unloading an acoustic barrier is required to screen noise to the landside.</p> <p>Material shall be compacted during demolition using machinery that generates the lowest practicable vibration levels that can achieve the required level of compaction. Specifically, large twin-drum vibrating rollers shall only be used when vibration levels can be controlled to less than the impact criteria set out in the <i>Environmental Statement</i>, Vol 14: Kirtling Street, Tables 9.5.2 and 9.5.3.</p>
Other	<p>Timber fenders will be installed along the full length of the berthing faces of the jetty to reduce the noise created by the impact of barges against the jetty.</p> <p>Plant shall be electrically powered where practicable; the contractor may use alternative means in agreement with the local authority.</p>

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per the <i>CoCP</i> Part A.
Dust emissions/control	As per the <i>CoCP</i> Part A.
Odour	As per the <i>CoCP</i> Part A.
Other	N/A

¹ See British Standard EN ISO 12354.

8 Water resources

Topic	Site-specific requirement
Control of pollution: surface water/groundwater	All temporary hardstanding (as far as reasonably practicable) on non-foreshore areas of the site shall incorporate permeable surfacing (Sustainable Drainage Systems/flood risk alleviation). Appropriate measures to avoid water run-off to the tidal Thames shall be adopted, specifically having regard to a local un-remediated former gas works.
Control on abstraction	As per the <i>CoCP</i> Part A.
Ground treatment	As per the <i>CoCP</i> Part A.
Other	N/A

9 Land quality

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

10 Waste management and resource use

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

11 Ecology (aquatic and terrestrial)

Topic	Site-specific requirement
Protection of habitats	Areas of foreshore used for temporary works shall be restored to a similar condition with similar materials as prior to construction.
Protection of trees	As per the <i>CoCP</i> Part A.
Other	N/A

12 Historic environment

Topic	Site-specific requirement
Other	The site-specific heritage management plan shall include all heritage assets along the alignment of the main tunnels driven from this site, where not captured by other sites. Intrusive works on the Grade I listed Tower Bridge shall be avoided as far as practicable.

13 Other

Topic	Site-specific requirement
Other	N/A

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