

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

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Code of Construction Practice Part B: Site Specific Requirements

King Edward Memorial Park Foreshore - 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

King Edward Memorial Park Foreshore

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Thames Tideway Tunnel

Code of Construction Practice Part B King Edward Memorial Park Foreshore

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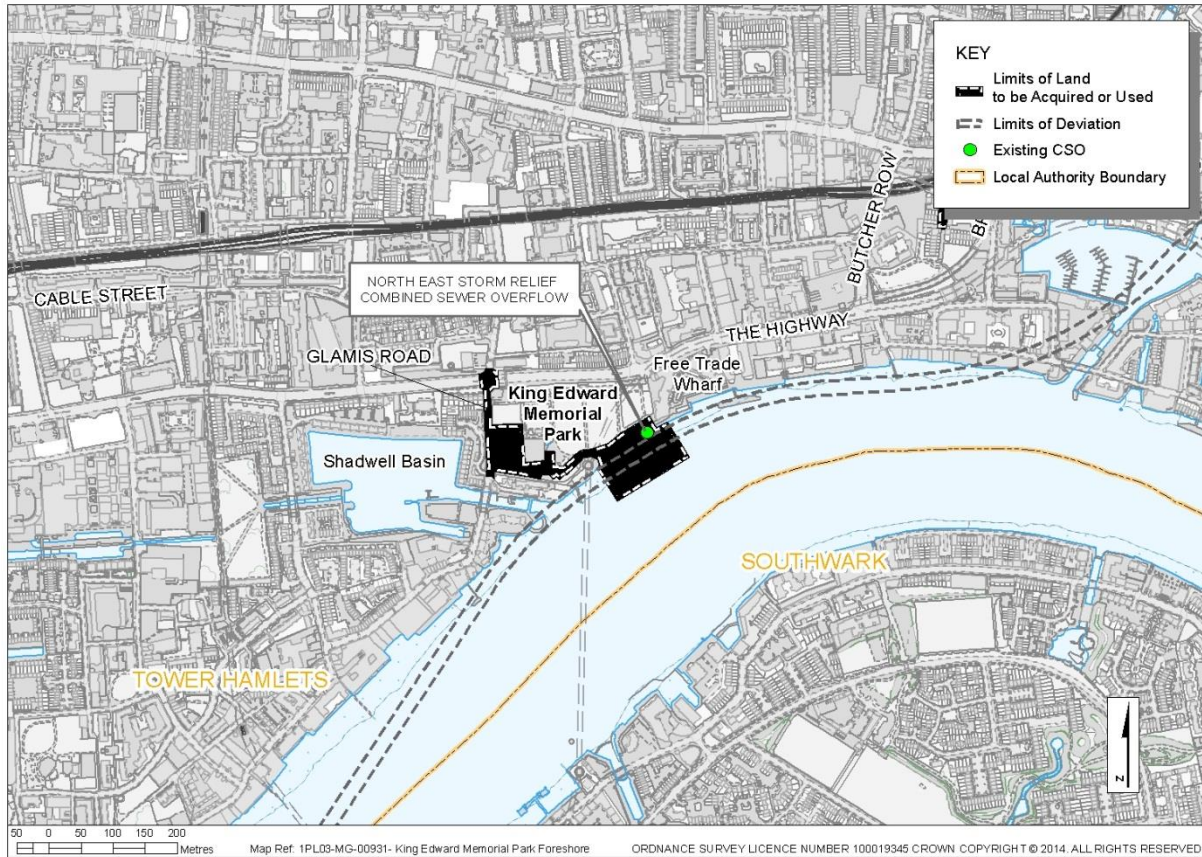
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1 Introduction

- 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 King Edward Memorial Park Foreshore site and sets out 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 Tower Hamlets 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 of the location of the site is shown in Figure 1.1 overleaf.

Figure 1.1 King Edward Memorial Park Foreshore: 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 The contractor shall convene a working group with representatives of residents, park user groups, local councillors, the employer and officers from the London Borough of Tower Hamlets.

4 Site operation

Topic	Site-specific requirement
Working hours	The following working hours shall apply to this site: <ol style="list-style-type: none"> a. standard b. extended. Extended working hours are required at this site for

Topic	Site-specific requirement
	<p>major concrete pours for the CSO drop shaft construction including diaphragm wall panels, base slab, roof slab and other large elements. The contractor shall consult the London Borough of Tower Hamlets on the exact timing of any extended hours working before submitting an application for consent under Section 61 of the Control of Pollution Act 1974. When other types of working hours (<i>CoCP</i> Part A, Table 4.1) are required, these shall be subject to Section 61 consent from the local authority.</p> <p>Except where any surface structures are deemed to be at risk and for essential activities to ensure safety of the works (eg, pump maintenance and monitoring), the contractor shall incorporate within the construction programme a one-week site shut down during both the Easter and Christmas periods.</p>
Site layout	<p>The existing children's playground shall be relocated and the multi-purpose sports pitch reconfigured and resurfaced in advance of the access road works.</p> <p>The use and duration of use of the areas within the park shall be minimised as far as practicable between construction phases. This includes reducing the area used in the existing football pitch and park maintenance area before and after shaft construction.</p> <p>The site area shall be landscaped and other completion works undertaken as soon as practicable. For the commissioning activities the minimum area required to undertake the work shall be used.</p>
Site security/hoarding requirements	<p>The 2.4m high hoarding shall be planted on public-facing sections, as defined in <i>CoCP</i> Part A para. 4.3.4c.</p> <p>The site access route between the relocated children's play area and the Rotherhithe Tunnel Air Shaft shall be enclosed by secure, 2.4m high, green-painted steel open mesh fencing to maintain views through to the tidal Thames. Outside of approved working hours and within park opening hours, this fencing shall be removed to enable open access through the park to the riverfront.</p> <p>A gated crossing shall be provided to enable the realigned Thames Path to cross the access route. The gates shall be closed to pedestrians and cyclists only during vehicle movements. A traffic marshal shall be deployed to coordinate safe movement of vehicles and members of the public.</p> <p>The hoardings around the main working areas for the</p>

Topic	Site-specific requirement
	<p>CSO drop shaft shall be 3.6m.</p> <p>Hoarding between the main shaft working area and Free Trade Wharf shall be 6m.</p> <p>The external appearance of the hoarding shall be approved by the local authority.</p>
River works	As per the <i>CoCP</i> Part A.
Other items	<p>As detailed in the Landscape plans, the multi-purpose sport pitches and both tennis courts shall be reinstated at a reduced size prior to commencing the works.</p> <p>The contractor shall produce a site-specific lighting management plan. The lighting management plan shall address impacts on terrestrial and aquatic ecology and include the use of low level directional lighting, where possible, while providing safe working conditions. In order to ensure off-site impacts of the lighting are minimised, the plan shall be submitted for approval of the London Borough of Tower Hamlets.</p> <p>Site cabins and welfare facilities shall be dark green in color to tie in with the planted hoardings and shall not be located on the multi-purpose sports pitches.</p>

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site access shall be via Glamis Road from The Highway from the north only, left turn in and right turn out.</p> <p>The security barrier shall be positioned to enable a standard rigid tipper vehicle to sit wholly off the road while awaiting barrier operation.</p> <p>The new site access route between the existing park maintenance area and the foreshore construction site shall be single lane only with appropriate traffic control.</p>
Traffic management	Areas of parking to be suspended shall be confirmed with the London Borough of Tower Hamlets.
Event restrictions	The contractor shall liaise with the London Borough of Tower Hamlets and Transport for London to confirm any event restrictions.
River transport	Barges shall only be loaded/unloaded and move onto or off the berth during standard working hours.

Topic	Site-specific requirement
Other	The contractor shall provide advanced notice and clear signage for the diversion of the Thames Path. See <i>CoCP</i> Part A Section 3, Communications and community/stakeholder liaison.

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>Except for the anchor piles, the contractor shall construct the cofferdam using push piling unless this is determined to be impossible. The first anchor piles shall be installed at a location away from the closest sensitive receptors, including Free Trade Wharf South.</p> <p>Where push piling is determined to be impossible, this shall be demonstrated by the contractor, who shall make an application to the local authority to use an alternative piling method through the Section 61 dispensation process (see Appendix A, Section A.1 in the <i>CoCP</i> Part A) or through contingency measures and arrangements if included in the original Section 61 consent.</p> <p>2.4m high noise barriers shall be erected on the western and eastern side of the cofferdam perpendicular to the river wall and on the southern boundary of the access route (the section that backs onto the properties on Shadwell Pierhead only) to the point where it meets Glamis Road.</p> <p>The noise barrier on the cofferdam shall be constructed to minimise visual impacts. Up to 1m from ground level, the barrier shall be plywood and the section above shall be transparent acrylic sheet with a minimum thickness of 6mm and to meet noise attenuation levels.</p> <p>Hoarding between the main shaft working area and Free Trade Wharf shall be 6m high to provide a noise barrier.</p> <p>The external treatment of the barrier shall be reviewed with the adjacent residents and the London Borough of Tower Hamlets and, if required, transparent panelling incorporated subject to approval from the local authority.</p> <p>The contractor shall programme construction of the cofferdam to build the section closest to Free Trade Wharf first so that the cofferdam noise barrier is</p>

Topic	Site-specific requirement
	<p>installed as soon as possible.</p> <p>Plant shall be electrically powered where practicable; the contractor may use alternative means as agreed with the local authority.</p> <p>All static plant shall be screened or enclosed, this includes the diaphragm wall slurry processing plant screened on three sides. The opening shall face away from Free Trade Wharf.</p> <p>Material onsite shall be compacted using machinery that generates the lowest practicable vibration levels that can achieve the required level of compaction. Specifically, large vibratory rollers shall only be used where vibration levels can be controlled to less than the impact criteria set out in the <i>Environmental Statement, Vol 21: Table 9.5.3 and 9.5.4</i>.</p>
Other	<p>Specific background baseline noise monitoring is required in advance of extended hours working. The monitoring method shall be submitted to and agreed with the London Borough of Tower Hamlets along with information on the proposed working hours.</p> <p>Monitoring data for noise and vibration (including trigger level alerts and historical data) shall be made available to the local authority and the working group.</p>

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per the <i>CoCP</i> Part A.
Dust emissions/control	PM ₁₀ shall be monitored 12 months before commencing the works and real-time monitoring shall be carried out for the duration of the works.
Odour	As per the <i>CoCP</i> Part A.
Other	In the event that potentially contaminated soil is found onsite, a chemical composition analysis shall be carried out in agreement with the London Borough of Tower Hamlets.

8 Water resources

Topic	Site-specific requirement
Control of pollution: surface	Suitable temporary drainage shall be provided for the temporary access route to prevent any local flooding

Topic	Site-specific requirement
water/groundwater	of adjacent areas using sustainable drainage methods, where practical.
Control on abstraction	As per the <i>CoCP</i> Part A.
Ground treatment	As per the <i>CoCP</i> Part A.
Other	All temporary hardstanding (as far as is reasonably practicable) on non-foreshore areas of the site shall incorporate permeable surfacing (Sustainable Drainage Systems/flood risk alleviation).

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	A membrane shall be installed between the existing riverbed and any temporary back fill material to prevent contamination of juvenile fish habitat and preserve potential archaeology. Areas of foreshore used for temporary works shall be restored to a similar condition with similar materials as prior to the works.
Protection of trees	The layout of the access route shall provide adequate clearance from the <i>Leylandii</i> trees to avoid root damage (minimum 4.5m from trunks).
Other	Advanced planting shall be provided along the north/south access of the park and to the north of Rotherhithe Tunnel Air Shaft, subject to approval from the London Borough of Tower Hamlets.

12 Historic environment

Topic	Site-specific requirement
Other	Memorial benches currently located on the riverfront shall be removed, stored and reinstated following construction.

13 Other

Topic	Site-specific requirement
Other	N/A

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