

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

Application Reference Number: WWO10001

Code of Construction Practice Part B: Site Specific Requirements

Carnwath Road Riverside - Revised 3 March 2014

Doc Ref: **APP178.15**

Folder **214**
3 March 2014

DCO-DT-APP-ZZ100-781500

**Thames
Tideway Tunnel**



Creating a cleaner, healthier River Thames



Code of Construction Practice Part B: Site-specific requirements

Carnwath Road Riverside

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Thames Tideway Tunnel

Code of Construction Practice Part B

Carnwath Road Riverside

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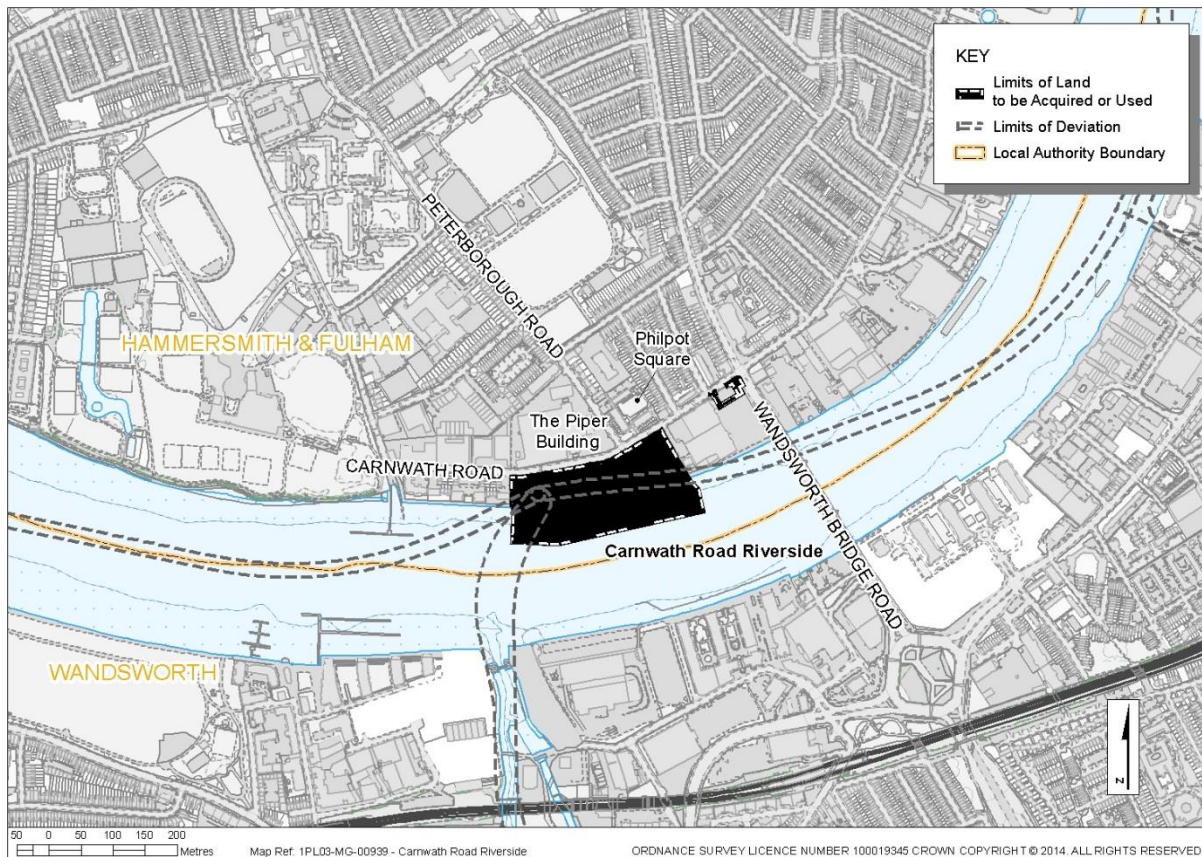
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1 Introduction

- 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 Carnwath Road Riverside 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 Hammersmith and Fulham 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 Carnwath Road Riverside: 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 during main tunnel construction works. <p>When other types of working hours (CoCP Part A, Table 4.1) are required, these shall be subject to</p>

Topic	Site-specific requirement
	consent from the local authority under Section 61 of the Control of Pollution Act 1974.
Site layout	<p>The contractor shall seek to use offices and storage containers as noise barriers in the site layout including the eastern and western sides of the site. The layout of noise barriers and structures shall take account of potential light impacts.</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/noise barrier shall be erected to a height of 5m on the western boundary, 7.5m on the eastern boundary, 3.6m on the northern boundary and 2.4m on the southern boundary (by the river side).</p> <p>The 7.5m hoarding/noise barrier on the eastern boundary of the site shall be designed to ensure daylight and sunlight has no greater impact than existing conditions at 5 Carnwath Road.</p> <p>Directional lighting shall be used along the new route on the eastern boundary for security.</p> <p>The external appearance of the hoarding shall be approved by the local planning authority.</p>
River works	Works to reduce the foreshore level, build campsheds and/or jetties and strengthen the existing river wall shall be carried out at the start of the construction period to enable the use of river transport.
Other items	<p>The contractor shall produce a site-specific light 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 or reduced when not in use for barge loading or unloading. This excludes lighting required for navigational safety.</p>

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>Security barriers shall be positioned to enable a standard rigid tipper vehicle to sit wholly off the road while awaiting barrier operation.</p> <p>The western entrance shall only be used for emergency access or specific deliveries and not for routine site vehicles due to the proximity of adjacent properties.</p>
Traffic management	<p>All vehicles shall enter/exit the site from Wandsworth Bridge Road (A217) and Carnwath Road. The Carnwath Road/Wandsworth Bridge Road junction shall be altered at the start of the construction period to enable heavy goods vehicles to turn left off Wandsworth Bridge Road onto Carnwath Road.</p> <p>The eastern access shall be left turn in, right turn out. The western access shall be left turn in only.</p> <p>Up to 12 car parking spaces shall be suspended on Carnwath Road. Single yellow line parking restrictions shall be added to the suspended sections operating from 07:00 to 19:00 Monday to Friday.</p> <p>The existing single yellow line restrictions on Carnwath Road shall be extended to no parking or loading from 07:00 to 19:00 Monday to Saturday.</p>
Event restrictions	As per the <i>CoCP</i> Part A.
River transport	Dredging is expected to be required in order to enable river transport.
Other	The contractor shall provide adequate signage for the diversion of the Thames Path.

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 a noise enclosure during the main tunnel construction and secondary lining works.</p> <p>Noise enclosure openings shall face away from sensitive noise receptors where practicable; at night, the openings shall only be used where essential and kept closed when not in use.</p>

Topic	Site-specific requirement
	<p>Noise enclosures shall be provided around the temporary concrete batching plant, grout plant and conveyors used to load barges.</p> <p>Night time activities within the material storage/handling area shall be screened by a roofed, three-sided noise enclosure. The opening shall not face sensitive receptors, where practicable.</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 shall be restricted outside of standard hours.</p> <p>The vessel loading area shall be positioned to minimise noise impacts on riverside properties to the east and west of the site.</p> <p>A 2.4m hoarding/noise barrier shall be erected on the river wall to screen barge loading areas.</p> <p>3.6m high noise barrier of acrylic sheet shall be considered on the river walls to reduce the noise effects at 89-101 Carnwath Road and 5 Carnwath Road. The location of the acrylic sheet falls outside the limits of land to be acquired or used and is therefore subject to planning permission being granted. The noise barrier will be agreed and formalised through a trigger action plan with 89-101 Carnwath Road and 5 Carnwath Road and planning permission from the local authority. The employer shall use all reasonable endeavours to obtain planning permission.</p>
Other	N/A

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per the <i>CoCP</i> Part A.
Dust emissions/control	Baseline monitoring of PM ₁₀ and NO ₂ shall be carried out for a minimum of 12 months before construction activities commence.
Odour	As per the <i>CoCP</i> Part A.

¹ See British Standard EN ISO 12354.

Other	N/A.
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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 System/flood risk alleviation).
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	Due to levels of contaminants that exceed the probable effects level, dredging shall be carried out using a method that minimises sediment loss and mobilisation of contaminants, such as an enclosed bucket on the backhoe.

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 baseline condition and with similar materials as prior to the works.
Protection of trees	Native trees shall be planted following construction to replace moderate-quality trees at the site entrance. The contractor shall ensure that protection

Topic	Site-specific requirement
	measures are in place for trees along the eastern boundary of the site.
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 tunnel driven from this site, where not directly affected by other sites.

13 Other

Topic	Site-specific requirement
Other	<p>The contractor shall monitor the Grade II listed Putney Bridge for at least 12 months before the tunnel boring machine arrives at the bridge. This baseline monitoring will record the continual expansion and contraction of the bridge. The contractor shall use the baseline data to inform the conclusions of the assessment report detailed in <i>CoCP</i> Part A Section 13.1, Protection of existing infrastructure and buildings.</p> <p>When tunnelling towards and past Hammersmith Bridge for a distance of 50m upstream and downstream of the bridge centreline (measured from a point where the bridge centreline projected southwards intercepts the tunnel centreline) the contractor shall adopt a design alignment for the tunnel that does not deviate to the north of the tunnel centreline shown on plan number DCO-WP-000-ZZZZZ-010004.</p>

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