



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
- Carnwath Road Riverside (Comparite against 23 September 2013)**

Doc Ref: **APP72.8**





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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1 Carnwath Road Riverside

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 Carnwath Road Riverside 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 Hammersmith and Fulham 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.

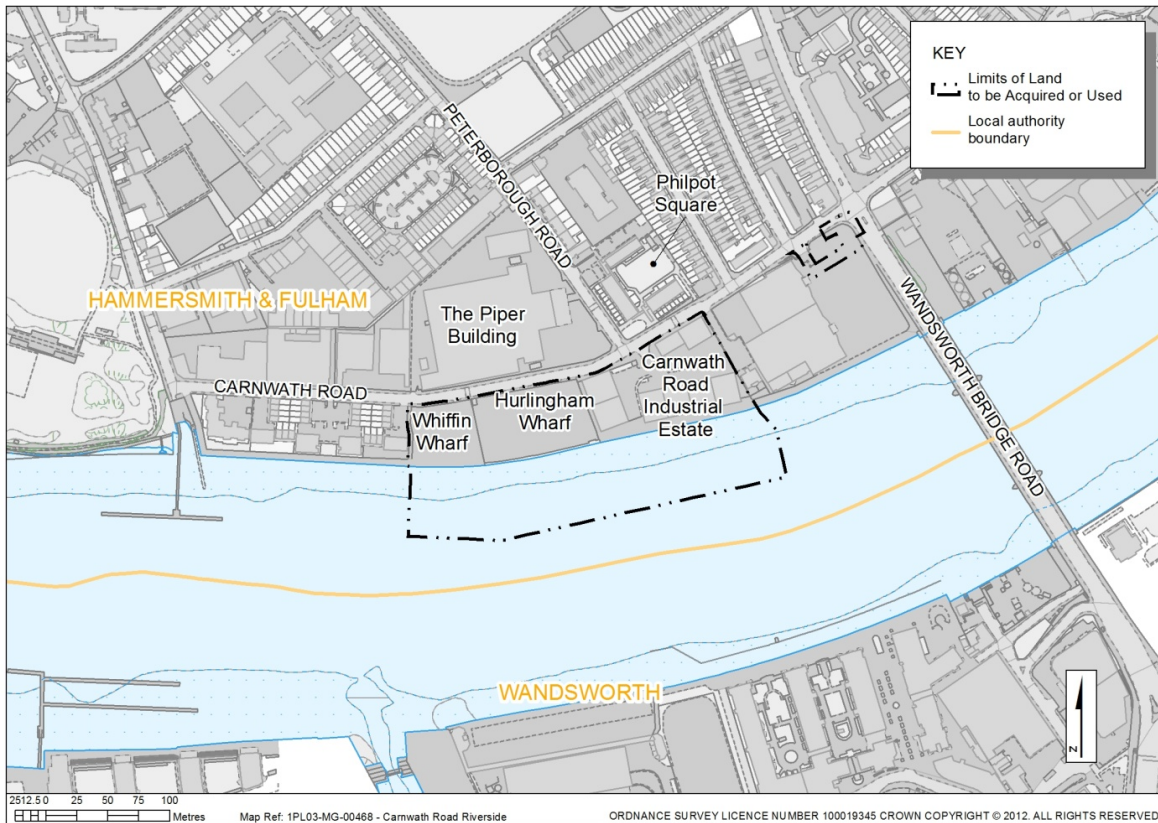


Figure 1.1 Carnwath Road Riverside: Site context and location plan

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 As per text in CoCP Part A.

4 Site operation	
Topic	
Working hours	This site will shall adhere to the following working hours: a. standard

Topic	Site-specific requirement
	<p>b. extended standard</p> <p>c. continuous for main tunnel construction works.</p> <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 as noise barriers.</p> <p>The layout of noise barriers and structures willshall also consider potential impacts</p>
Site security / hoarding requirements	<p>The hoarding is to be as defined in CoCP Part A para 4.3.4a incorporating suitable art work on public facing sections.</p> <p>5m high hoarding/noise barrier on western end of site and 7.5m on eastern end of site, 3.6m on the northern edge, and 2.4m on the southern edge (on the river side). Barriers on east/west end can be office /welfare facilities.</p> <p>3.6m high acrylic sheet shall be installed on the river walls subject to planning permission being granted.</p>
River works	As per text in CoCP Part A.
Other items	<p>A site-specific lighting plan is required. The lighting willshall address the impact on terrestrial and aquatic ecology and include the use of low level directional lighting where possible whilst meeting safe work requirements.</p> <p>Lighting on any jetties shall be switched off or reduced when not in use for barge loading or unloading. This excludes requirements for lighting for navigational safety.</p> <p>Works to reduce the foreshore level, build campsheds, and/or jetties, and strengthen existing river wall required at the start of the construction period to enable the use of river transport.</p>

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>

Topic	Site-specific requirement
	<p>The western access will/shall be only used for emergency access or specific deliveries and not routinely used due to proximity of adjacent properties.</p>
Traffic management	<p>All vehicles will/shall access/egress the site from the Wandsworth Bridge Road (A217) and Carnwath Road. The junction between Carnwath Road and Wandsworth Bridge Road will/shall be altered at the start of the construction period to enable HGV's to perform a left turn off of Wandsworth Bridge Road onto Carnwath Road.</p> <p>The eastern access will/shall be left turn in right turn out.</p> <p>The western access will/shall be left turn in only.</p> <p>Three sections of parking to be suspended comprising a potential 12 parking spaces on Carnwath Road. Single yellow line parking restrictions will/shall be added where these sections of parking are suspended <u>with these restrictions operating from 07:00 to 19:00, Monday to Friday.</u></p> <p>An extension to the hours of operation of the existing single yellow line parking restrictions and loading restrictions on Carnwath Road. This will/shall be extended to no parking or loading from 07:00 to 19:00, Monday to Saturday.</p>
Event restrictions	As per text in <i>CoCP</i> Part A.
River transport	As per text in <i>CoCP</i> Part A.
Other	<p>The diversion of the Thames Path is to be adequately signed.</p> <p>The new route on the eastern boundary is to have high quality directional lighting for security.</p>

6 Noise and vibration	
Topic	Site-specific requirement
Control measures	<p>The construction area around the main shaft will/shall be covered by an enclosure/building during the main tunnel construction and secondary lining works. The building will/shall have cladding with a</p>

Topic	Site-specific requirement
	<p>specified sound reduction value. The building openings willshall be designed to be away from sensitive noise receptors and willshall be kept closed when not in use at night. Only essential use of openings at night.</p> <p>The western site access willshall not be routinely used to reduce noise on adjacent properties. See above.</p> <p>Screening or enclose all static plant including pumps.</p> <p>Enclose with suitable structure and acoustic attenuation material concrete batching plant, grout plant, conveyors to load barges and storage / handling areas.</p> <p>Movements of vehicles on the site outside standard hours to be restricted.</p> <p>2.4m hoarding/noise barrier on river wall to screen barge loading areas.</p> <p>The material handling area willshall be screened by a three sided enclosure and roof clad with suitable noise attenuation material <u>with a minimum sound reduction of 20dB</u>.</p> <p>The barge loading area tesshall be suitably located to consider the noise impacts on riverside properties on both the east and west of the site.</p> <p>See hoarding requirements.</p>
Other	As per text in CoCP Part A.

7 Air quality	
Topic	Site-specific requirement
Vehicle and plant emissions	As per text in CoCP Part A.
Dust emissions/control	As per text in CoCP Part A <u>Baseline monitoring of PM₁₀ and NO₂ to be undertaken for a minimum of 12 months, prior to the works commencing.</u>
Odour	As per text in CoCP Part A.
Other	As per text in CoCP 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	To enable river transport dredging is anticipated.
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	Due to levels of contaminants that exceed the Probable Effects Level (PEL), dredging will shall be undertaken using a method to minimise sediment loss and thus mobilisation of contaminants, such as with an enclosed bucket on the backhoe.

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>Areas of foreshore used for temporary works willshall be restored prior to the completion of works, with similar material and to a similar baseline condition.</p> <p>Protection measures for bats apply at this site (no roosts on site).</p>
Protection of trees	<p>Planting of replacement native trees after the construction period required to replace moderate quality trees at site entrance.</p> <p>Ensure protection measures are in place for trees along the eastern boundary of the site.</p>
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	<p>As per text</p> <p><u>The contractor shall monitor Grade II listed Putney Bridge for at least 12 months in CoCP Part A advance of the arrival of the tunnel boring machine at the bridge. This baseline monitoring shall</u></p>

	<p><u>enable the continual expansion and contraction of the bridge to be recorded. The Contractor shall use this baseline data to inform the conclusions of the assessment report.</u></p>
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Thames Water Utilities Limited

Clearwater Court, Vastern Road, Reading RG1 8DB

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