Application for Development Consent
Application Reference Number: WWO10001

Code of Construction Practice
Part B: Site Specific Requirements
Carnwath Road Riverside - Revised 3 February 2014

Doc Ref: APP104.09
Code of Construction Practice
Part B: Site-specific requirements

Carnwath Road Riverside
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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

Note: For detailed limits of land to be acquired or used, refer to the drawings in the Book of Plans.

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

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working hours</td>
<td>The following working hours shall apply to this site:</td>
</tr>
<tr>
<td></td>
<td>a. standard</td>
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<tr>
<td></td>
<td>b. extended</td>
</tr>
<tr>
<td></td>
<td>c. continuous during main tunnel construction works.</td>
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<tr>
<td></td>
<td>When other types of working hours (CoCP Part A,</td>
</tr>
</tbody>
</table>
Table 4.1) are required, these shall be subject to consent from the local authority under Section 61 of the Control of Pollution Act 1974.

**Site layout**
The contractor shall seek to use offices and storage containers as noise barriers in the site layout. The layout of noise barriers and structures shall take account of potential light impacts.

**Site security/hoarding requirements**
The hoarding shall incorporate suitable art work on public-facing sections, as defined in *CoCP* Part A para. 4.3.4a.

A 5m high hoarding/noise barrier shall be erected at the western end of site, 7.5m at the eastern end, 3.6m on the northern boundary and 2.4m on the southern boundary (by the river side). Office/welfare facilities can form noise barriers on the eastern/western ends of the site.

High quality directional lighting shall be used along the new route on the eastern boundary for security.

**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**
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.

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.

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**5 Public access, highway and river transport**

**Site access and gates**
Security barriers shall be positioned to enable a standard rigid tipper vehicle to sit wholly off the road while awaiting barrier operation.

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.
### Traffic management

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.

The eastern access shall be left turn in, right turn out. The western access shall be left turn in only.

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.

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.

### Event restrictions

As per the CoCP 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.

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## 6 Noise and vibration

### Control measures

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.

The construction area around the main tunnel shaft shall be covered by a noise enclosure during the main tunnel construction and secondary lining works.

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.

Noise enclosures shall be provided around the temporary concrete batching plant, grout plant and conveyors used to load barges.

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.

All cladding and roofing of noise enclosures shall incorporate suitable noise attenuation material with
### Code of Construction Practice Part B

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
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<tbody>
<tr>
<td></td>
<td>a minimum sound reduction value of $20 \text{dB } R_w^1$. All static plant shall be screened or enclosed. Movement of vehicles onsite shall be restricted outside of standard hours. The vessel loading area shall be positioned to minimise noise impacts on riverside properties to the east and west of the site. A 2.4m hoarding/noise barrier shall be erected on the river wall to screen barge loading areas. 3.6m high 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 and is not embedded in the revised environmental assessment. The sheet 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.</td>
</tr>
<tr>
<td>Other</td>
<td>N/A</td>
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</tbody>
</table>

### 7 Air quality

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and plant emissions</td>
<td>As per the CoCP Part A.</td>
</tr>
<tr>
<td>Dust emissions/control</td>
<td>Baseline monitoring of PM$_{10}$ and NO$_2$ shall be carried out for a minimum of 12 months before construction activities commence.</td>
</tr>
<tr>
<td>Odour</td>
<td>As per the CoCP Part A.</td>
</tr>
<tr>
<td>Other</td>
<td>N/A.</td>
</tr>
</tbody>
</table>

### 8 Water resources

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control of pollution: surface water/groundwater</td>
<td>All hardstanding (as far as reasonably practicable) on non-foreshore sites shall incorporate permeable surfacing (sustainable drainage system/flood risk</td>
</tr>
</tbody>
</table>

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1 See British Standard EN ISO 12354.
Control on abstraction | As per the CoCP Part A.
---|---
Ground treatment | As per the CoCP Part A
Other | N/A

### 9 Land quality

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site works</td>
<td>As per the CoCP Part A.</td>
</tr>
<tr>
<td>Site-specific issues/mitigation</td>
<td>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.</td>
</tr>
</tbody>
</table>

### 10 Waste management and resource use

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excavated material</td>
<td>As per the CoCP Part A.</td>
</tr>
<tr>
<td>Resource usage</td>
<td>As per the CoCP Part A.</td>
</tr>
<tr>
<td>Other</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### 11 Ecology (aquatic and terrestrial)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of habitats</td>
<td>Areas of foreshore used for temporary works shall be restored to a similar baseline condition and with similar materials as prior to the works.</td>
</tr>
<tr>
<td>Protection of trees</td>
<td>Native trees shall be planted following construction to replace moderate-quality trees at the site entrance. The contractor shall ensure that protection measures are in place for trees along the eastern boundary of the site.</td>
</tr>
<tr>
<td>Other</td>
<td>N/A</td>
</tr>
</tbody>
</table>
# 12 Historic environment

<table>
<thead>
<tr>
<th>Topic</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>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.</td>
</tr>
</tbody>
</table>

# 13 Other

<table>
<thead>
<tr>
<th>Topic</th>
<th>Site-specific requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>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 CoCP Part A Section 13.1, Protection of existing infrastructure and buildings.</td>
</tr>
</tbody>
</table>