



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
- Victoria Embankment Foreshore (Revised 13 January 2014)**

Doc Ref: **APP72.15**





Code of Construction Practice Part B: Site-specific requirements

Victoria Embankment Foreshore

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Thames Tideway Tunnel

Code of Construction Practice Part B

Victoria Embankment Foreshore

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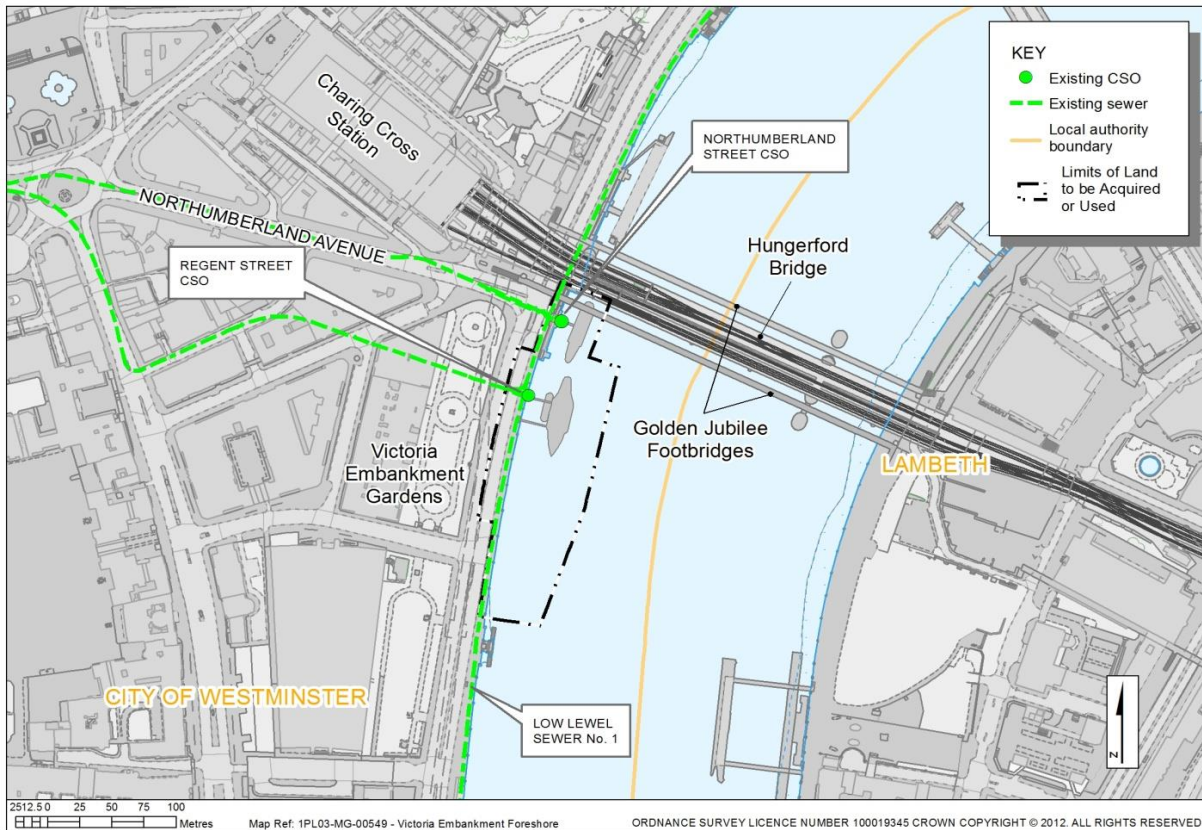
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1 Victoria Embankment Foreshore

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 Victoria Embankment Foreshore 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 Westminster City Council 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 Victoria Embankment Foreshore: 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

2.1.1 As per text in CoCP Part A.

3 Communications and community/stakeholder liaison

3.1.1 As per text in CoCP Part A.

4 Site operation

Topic	Site-specific requirement
Working hours	<p>This site will adhere to the following working hours:</p> <ul style="list-style-type: none"> a. standard b. continuous for duration of the Regent Street connection tunnel construction. <p>When other types of working hours (CoCP Part A, Table 4.1) are required, these will be subject to agreement with the local authority through the Section 61 process.</p>

Topic	Site-specific requirement
Site layout	Temporary works construction within the river will be limited within the navigational channel. The detailed methods are to be agreed with the PLA, EA and MMO and subject to required licenses navigational risk assessments and consents.
Site security/hoarding requirements	<p>Hoarding on western boundary to increase from 2.4m to 3.6m.</p> <p>The hoarding is to be as defined in <i>CoCP</i> Part A para. 4.3.4a and b incorporating suitable art work and viewing windows.</p> <p>The local authority shall approve the external appearance of the hoarding. This approval shall not delay the erection of the hoarding, if construction work needs to commence in order to meet the programme. If this occurs, changes to the appearance will be agreed with the local authority and implemented as soon as practicable thereafter.</p>
River works	As per text in <i>CoCP</i> Part A.
Other items	A site-specific lighting plan is required. The lighting will address the impact on terrestrial and aquatic ecology and include the use of low level directional lighting where possible whilst meeting safe work requirements.

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	Access to the site will be from Victoria Embankment with left turn into the site. Egress from the site will be left turn out travelling south.
Traffic management	<p>Site areas to be designed to maintain two-way flow for traffic along Victoria Embankment.</p> <p>Construction works to maintain two lanes on both carriageways, except for short durations during utility diversions where only one lane on the west bound carriageway will be maintained.</p> <p>Prior to suspending any coach parking spaces alternative parking spaces will be provided. The coach parking will be reinstated on completion of the works unless agreed with the highway authority. It is proposed that subject to the relevant highway consents being obtained the coach parking spaces would be relocated to Albert Embankment (A3036) between Tinworth Street and Black Prince Road,</p>

Topic	Site-specific requirement
	<p>Millbank (A3212) between Thorney Street and Atterbury Street, or Lambeth Palace Road (A3036) to the north of Lambeth Road (A3203) / Lambeth Bridge (A3203) / Albert Embankment (A3036) / Lambeth Palace Road (A3036) roundabout.</p> <p>The minimum width of traffic lanes along Victoria Embankment to be retained is one outer lane of 3m in each direction, and a second inner lane (where applicable) of 3.25m. Suitable central safety barrier to be installed between alternate direction lanes.</p> <p>Site areas impact into traffic lanes extent and duration to be minimised. Traffic barriers to be moved in and out as construction progresses as Transport for London require minimum land take within highway.</p>
Event restrictions	<p>To be confirmed in consultations with local authority and Transport for London.</p> <p>The London Marathon. Contractor to take appropriate measures prior to and for the duration of the event including items such as minimising extent of works within the highway.</p> <p>The contractor shall liaise with City of London, Westminster City Council and TfL Event Planning teams with regard to other major events which may affect Victoria Embankment.</p>
River transport	<p>Access to the existing Embankment Pier to be maintained for both pedestrians and services. Liaison with London River Services (Transport for London) is required.</p>
Other	<p>The diversion of the Thames Path is to be clearly signed.</p>

6 Noise and vibration

Topic	Site-specific requirement
Control measures	<p>See hoarding requirements above.</p> <p>2.4m noise barrier on the northern and southern boundary of the temporary cofferdam, to screen receptors on the water.</p> <p>The loading and unloading of barges will only be carried out during standard working hours.</p> <p>Baseline noise studies will be required for the worksite. Agreement of action levels and permanent noise monitoring locations will be required with the</p>

Topic	Site-specific requirement
	local authority as part of the Section 61 process. Low noise and vibration piling methods will be used unless determined to be impossible. The first 'anchor' piles will need to be installed using a vibratory driver. These anchor piles will be installed at a location away from the closest sensitive receptors including The Hispaniola and The Tattershall Castle.
Other	As per text in <i>CoCP</i> Part A.

7 Air quality

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

8 Water resources

Topic	Site-specific requirement
Control of pollution: surface water/groundwater	As per text in <i>CoCP</i> Part A.
Control on abstraction	As per text in <i>CoCP</i> Part A.
Ground treatment	As per text in <i>CoCP</i> Part A.
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	As per text in <i>CoCP</i> Part A.

10 Waste management and resource use

Topic	Site-specific requirement
Excavated material	As per text in <i>CoCP</i> Part A.

Topic	Site-specific requirement
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>Membrane to be installed between river bed and temporary back fill material to prevent contamination of habitat and benefits in preserving potential archaeology.</p> <p>Areas of foreshore used for temporary works will be restored to similar condition and material as was present prior to the works.</p>
Protection of trees	Specification for replacement trees to be agreed with Transport for London and includes species, size, source, pit design and finish.
Other	As per text in <i>CoCP</i> Part A.

12 Historic environment

Topic	Site-specific requirement
Other	<p>Intrusive structural investigations to the Listed river wall beyond the area of proposed fabric removal will be required.</p> <p>Existing granite blocks are to be used to make up the joint between new and old river wall sections.</p> <p>The sturgeon lamp stands will be removed and their reuse sought in accordance with the procedures set out in the Heritage Statement.</p>

13 Other

Topic	Site-specific requirement
Other	As per text in <i>CoCP</i> Part A.

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