

**Thames Tideway Tunnel**  
Thames Water Utilities Limited



# Application for Development Consent

Application Reference Number: WWO10001

## Code of Construction Practice Part B: Site Specific Requirements Blackfriars Bridge Foreshore - Revised 3 March 2014

Doc Ref: **APP178.31**

Folder **215**  
3 March 2014

**DCO-DT-APP-ZZ100-783100**

**Thames  
Tideway Tunnel**



Creating a cleaner, healthier River Thames



# Code of Construction Practice Part B: Site-specific requirements

---

**Blackfriars Bridge Foreshore**

This page intentionally left blank

# Thames Tideway Tunnel

## Code of Construction Practice Part B Blackfriars Bridge Foreshore

### List of contents

|  | Page number |
|--|-------------|
| 1 Introduction .....                                     | 1           |
| 2 General Requirements .....                             | 2           |
| 3 Communications and community/stakeholder liaison ..... | 2           |
| 4 Site operation .....                                   | 3           |
| 5 Public access, highway and river transport .....       | 4           |
| 6 Noise and vibration .....                              | 5           |
| 7 Air quality.....                                       | 6           |
| 8 Water resources .....                                  | 7           |
| 9 Land quality .....                                     | 7           |
| 10 Waste management and resource use .....               | 7           |
| 11 Ecology (aquatic and terrestrial) .....               | 7           |
| 12 Historic environment .....                            | 8           |
| 13 Other .....   | 8           |

### Table of figures

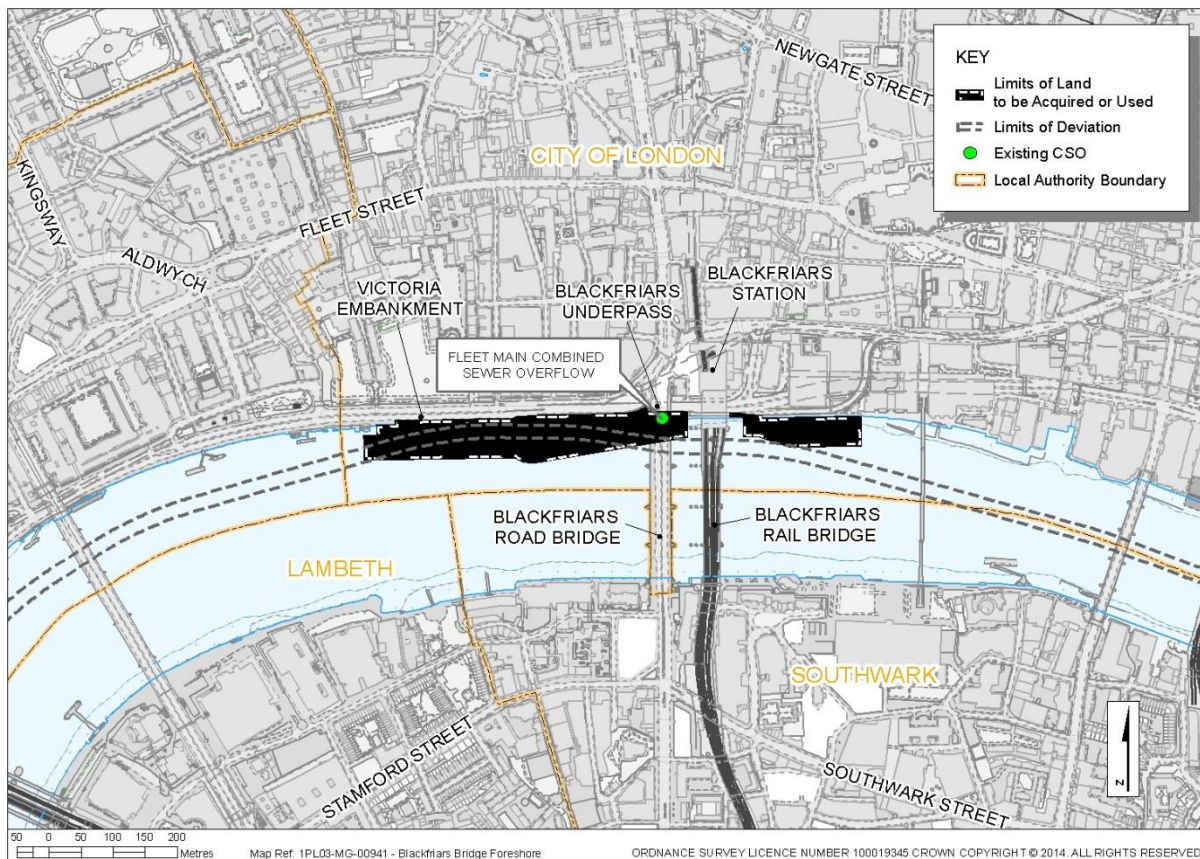
|  | Page number |
|--|-------------|
| Figure 1.1 Blackfriars Bridge Foreshore: Site context and location plan .....    | 2           |
| Figure 13.1 Outline location of Roman boat at Blackfriars Bridge Foreshore ..... | 9           |

This page intentionally left blank

# 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 Blackfriars Bridge 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 City of London Corporation and other stakeholders.
- 1.1.4 For ease of reference, this 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 showing the location of the site is shown in the Figure 1.1 overleaf.

**Figure 1.1 Blackfriars Bridge 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 community liaison plan shall be developed taking account of the City of London Corporation's *Code of Practice for Deconstruction and Construction Sites*, Section 2, paras. 2.5 to 2.10. The plan will include details of liaison with the City of London Boys School with regards to the relocation of Blackfriars Millennium Pier.

## 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"> <li>a. standard</li> <li>b. extended.</li> </ul> <p>When other types of working hours (see <i>CoCP</i> Part A, 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 or other agreed submissions (see Section 6 'Control measures').</p> <p>The contractor shall engage with the City of London Corporation regarding planned works, working hours and predicted noise levels when developing the construction environmental management plan.</p> <p>The City of London Corporation normally restricts noisy works to six-hour periods on weekdays. The contractor shall schedule noisy working operations during the following hours: 08:00 to 10:00, 12:00 to 14:00, 16:00 to 18:00 weekdays and 08:00 to 13:00 Saturdays, with no noisy work on Sundays or Bank Holidays, as set out in <i>City of London Corporation Code of Practice for Deconstruction and Construction Sites</i>. However, standard hours may apply if agreed with the City of London Corporation.</p> <p>Other noisy works, and deliveries and maintenance, outside of the standard hours shall be the subject of a Section 61 application or other agreed submissions to the City of London Corporation (a site hours variation request that justifies the work and methods). This includes work categorised in the <i>CoCP</i> Part A as extended working hours, continuous working, out of hours, possession working, tidal working and short-notice working.</p> |
| Site layout                         | <p>Temporary in-river construction works shall be limited within the authorised navigation channel. The detailed proposals shall be agreed with the Port of London Authority and the Environment Agency (relevant protective provisions) and the Marine Management Organisation (Deemed Marine Licence conditions) and subject to any additional required licenses, navigational risk assessments and consents.</p>  |
| Site security/hoarding requirements | <p>The hoarding shall incorporate suitable artwork and viewing windows, as defined in <i>CoCP</i> Part A para. 4.3.4a and b.</p>   |



| Topic       | Site-specific requirement  |
|-------------|--|
|             | The local authority shall approve the external appearance of the hoarding.   |
| River works | As per the <i>CoCP</i> Part A.   |
| Other items | The contractor shall produce a site-specific lighting management plan. The lighting scheme shall minimise impacts on aquatic ecology and include the use of low level directional lighting, where possible, while providing safe working conditions. |

## 5 Public access, highway and river transport

| Topic                 | Site-specific requirement  |
|-----------------------|--|
| Site access and gates | A new site entrance from the Blackfriars Bridge westbound off-ramp shall be created during construction but not used while the Low Level Sewer No. 1 interception chamber works are carried out. During this construction phase, access shall be from Blackfriars underpass.   |
| Traffic management    | <p>Lorry arrivals shall be strictly limited to set times and coordinated to ensure that no lorries queue outside of the site.</p> <p>The Blackfriars Bridge westbound off-ramp has a weight restriction and can only take standard heavy goods vehicles and no abnormal loads.</p> <p>The temporary traffic lane closure at the end of the westbound off-ramp shall be used when required and then restored to highway use as soon as practicable.</p> <p>The contractor shall seek to minimise the duration of works affecting traffic lanes, including closure of the westbound off-ramp.</p> <p>The minimum width of traffic lanes to be retained on the westbound off-ramp shall be 3.25m.</p> <p>Prior to suspending any coach parking spaces, alternative parking spaces shall be provided. The existing spaces shall be reinstated on completion of the works, unless agreed otherwise with the highway authority. It is proposed that, subject to obtaining the relevant highway consents, the spaces will be relocated to the southbound carriageway of Blackfriars Road (A201) between Webber Street and Westminster Bridge Road/ Borough Road (A3202).</p> <p>The existing coach parking and loading bay on the</p> |

| Topic              | Site-specific requirement   |
|--------------------|---|
|                    | westbound off-ramp and Victoria Embankment (A3211) shall be suspended.  |
| Event restrictions | The contractor shall liaise with City of London Corporation, Westminster City Council and Transport for London event planning teams with regard to the London Marathon and other major events when producing the traffic management plan and traffic management schemes to ensure that appropriate measures are in place.   |
| River transport    | <p>The relocated Blackfriars Millennium Pier shall be in place before the existing pier is closed. Access to the existing and relocated piers shall be maintained for both pedestrians and services. The contractor shall liaise with London River Services (Transport for London).</p> <p>The contractor shall carry out a detailed navigational risk assessment as part of the River Works License to confirm that the river transport arrangements for the site are safe and acceptable to the Port of London Authority.</p>                         |
| Other              | <p>The contractor shall provide clear signage for the diversion of the Thames Path.</p> <p>The contractor shall coordinate with both the City of London Corporation and Transport for London on the requirements for amended pedestrian routes to the relocated Blackfriars Millennium Pier, including notices, pamphlets, guides and signage for the public.</p> <p>The contractor shall attend highways liaison meetings as required by the City of London Corporation, which shall provide the contractor with 14 days' notice of such meetings.</p> |

## 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 or other agreed submissions to the local authority.</p> | <p>The City of London Corporation requires the contractor to submit a site-specific scheme of protective works for noise and vibration for works at Blackfriars Bridge Foreshore, including the works to relocate the President and Blackfriars Millennium Pier. This supersedes the requirement for a separate Section 61 application as required in CoCP Part A, Section 6.3. The statement should include details of:</p> |

| Topic            | Site-specific requirement  |
|------------------|--|
|                  | <p>a. noise and vibration assessments and calculations normally included within a Section 61 application</p> <p>b. noise and vibration monitoring, including real-time monitoring</p> <p>c. non-compliance procedures for noise and vibration monitoring, including a notification procedure</p> <p>The contractor shall liaise with the City of London Corporation in respect of these elements before submitting the statement.</p> <p>The employer retains the right to submit Section 61 applications to the City of London Corporation.</p> <p>Barges shall be loaded and unloaded during standard hours only.</p> <p>Except for the anchor piles, the contractor shall use push piling to construct the cofferdam for the Blackfriars Millennium Pier dredged pocket unless this is impossible. The anchor piles shall be installed as far away from the City of London Boys School as is practicable.</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), through contingency measures and arrangements if included in the original Section 61 consent or other agreed submissions (see Section 6 'Control measures').</p> <p>The contractor shall liaise with the school to agree periods when piling can proceed without causing adverse noise impacts.</p> |
| Control measures | As per the <i>CoCP</i> Part A.   |
| 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      | As per the <i>CoCP</i> Part A. |
| Odour                       | As per the <i>CoCP</i> Part A. |
| Other                       | N/A                            |

## 8 Water resources

| Topic   | Site-specific requirement  |
|---|--|
| Control of pollution: surface water/groundwater | The contractor's Pollution Incident Control Plan shall include specific control and mitigation measures to minimise the risk of contaminated site run-off directly to the river during the works, particularly during diaphragm wall construction. |
| 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 | 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 riverbed and any temporary backfill material to prevent contamination of juvenile fish habitat and preserve potential archaeology.<br>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    | Specifications for replacement trees, including species, size, source, pit design and finish, shall be agreed with Transport for London.   |
| Other                  | N/A  |

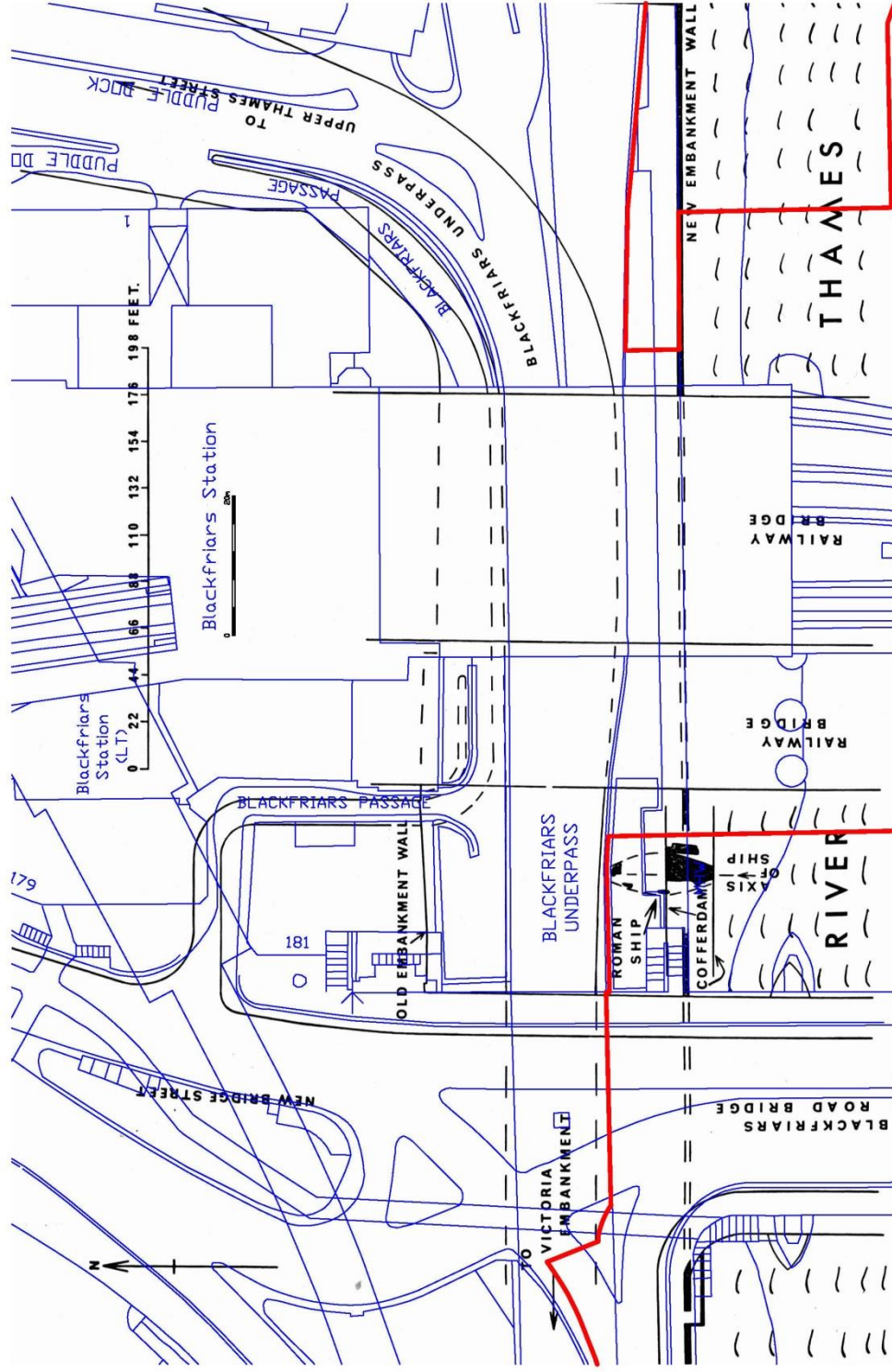
## 12 Historic environment

| Topic | Site-specific requirement   |
|-------|---|
| Other | <p>The contractor shall select working methods that minimise the risk of vessels accidentally striking the listed Blackfriars Bridge. Protection barriers shall be installed, as required, but not attached to the listed structure unless otherwise agreed with the City of London Corporation.</p> <p>During construction of the new river wall as part of the Blackfriars underpass works, a Roman boat was uncovered in the cofferdam (see Figure 13.1 overleaf) between the Blackfriars Road and Rail Bridges. The contractor shall select a method for the river works, including suitable river equipment and operating procedures, that minimises the risk of impacts on the boat's location.</p> <p>The sturgeon lamp stands shall be carefully removed, stored and reinstated in their current positions as far as possible following construction. The existing replica lamp stands shall be replaced with originals from elsewhere (by agreement with the local authority) or new castings from the original moulds.</p> <p>Existing granite blocks shall be used to join the new and old sections of the river wall.</p> |

## 13 Other

| Topic | Site-specific requirement |
|-------|---------------------------|
| Other | N/A                       |

Figure 13.1 Outline location of Roman boat at Blackfriars Bridge Foreshore



## Copyright notice

Copyright © Thames Water Utilities Limited March 2014.  
All rights reserved.

Any plans, drawings, designs and materials (materials) submitted by Thames Water Utilities Limited (Thames Water) as part of this application for Development Consent to the Planning Inspectorate are protected by copyright. You may only use this material (including making copies of it) in order to (a) inspect those plans, drawings, designs and materials at a more convenient time or place; or (b) to facilitate the exercise of a right to participate in the pre-examination or examination stages of the application which is available under the Planning Act 2008 and related regulations. Use for any other purpose is prohibited and further copies must not be made without the prior written consent of Thames Water.

### **Thames Water Utilities Limited**

Clearwater Court, Vastern Road, Reading RG1 8DB

The Thames Water logo and Thames Tideway Tunnel logo are © Thames Water Utilities Limited. All rights reserved.

