

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

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Code of Construction Practice Part B: Site Specific Requirements Putney Embankment Foreshore - Revised 3 March 2014

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**Thames
Tideway Tunnel**



Creating a cleaner, healthier River Thames



Code of Construction Practice Part B: Site-specific requirements

Putney Embankment Foreshore

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Thames Tideway Tunnel

Code of Construction Practice Part B Putney Embankment Foreshore

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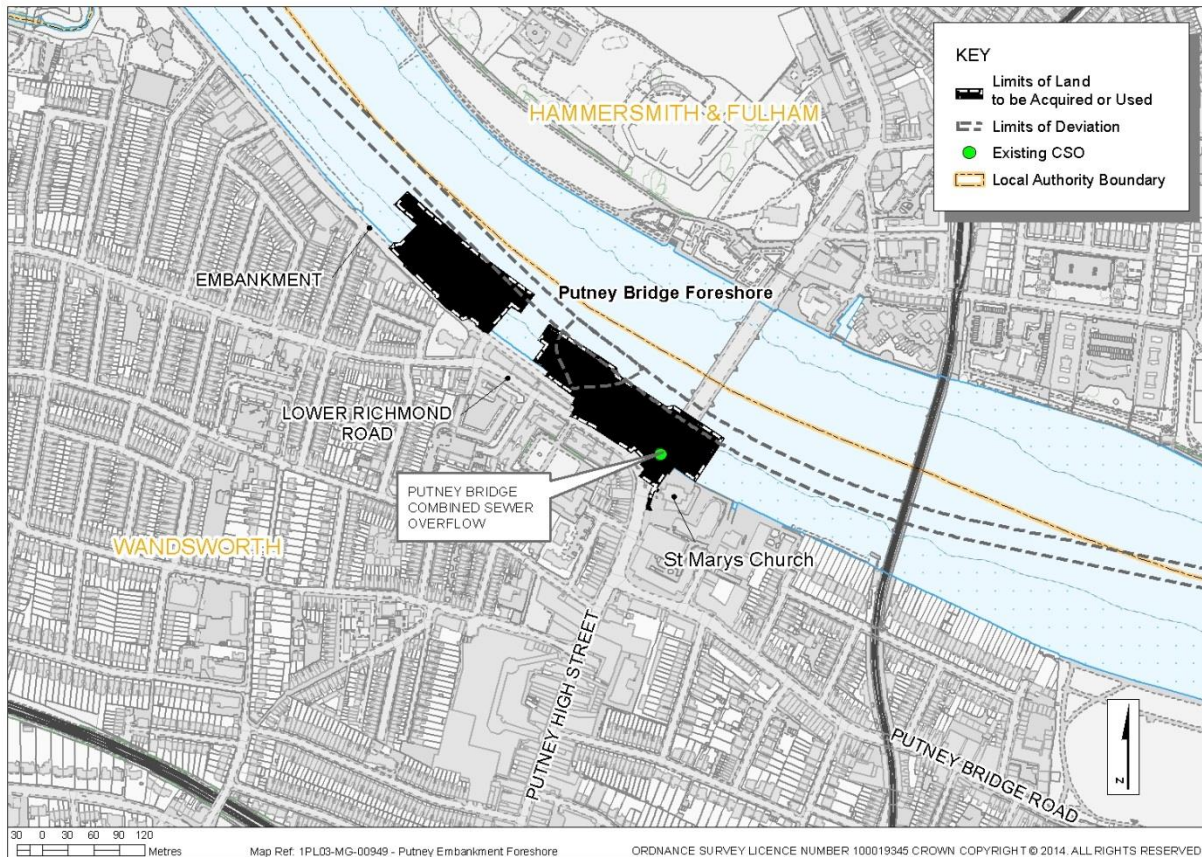
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1 Introduction

- 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 Putney Embankment 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 London Borough of Wandsworth 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 showing the location of the site is shown in Figure 1.1 overleaf.

Figure 1.1 Putney Embankment 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 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. continuous during construction of the Putney Bridge connection tunnel. <p>When other types of working hours (CoCP 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.</p>

Topic	Site-specific requirement
	<p>No Sunday working, including maintenance of plant and/or equipment, shall be permitted before 11:30 on either Putney Bridge, the vaults beneath the bridge or on any land located east of the bridge, including works in the external grounds of St Mary's Church and works located on the river foreshore.</p>
<p>Site layout</p>	<p>The existing Putney public slipway shall be maintained until the temporary slipway is operational. The temporary slipway shall be maintained until the original slipway is reinstated.</p> <p>The temporary slipway shall be constructed of modular elements (eg, steel or similar).</p> <p>Access across Waterman's Green will be restricted during the later stages of construction. During this period, pedestrian access to the eastern end of the green shall be available via the existing stairway located adjacent to the disused public convenience.</p> <p>Emergency exit points from the vaults located beneath Lower Richmond Road and a route across Waterman's Green shall be maintained during the construction period and their use shall be unaffected should existing planning permissions for cafés or restaurants be implemented.</p>
<p>Site security/hoarding requirements</p>	<p>The hoarding shall incorporate suitable art work and viewing windows, as defined in <i>CoCP</i> Part A paras. 4.3.4a and b.</p> <p>Timber hoarding shall be used on Waterman's Green to limit the worksite to the western part of the green and protect the public from construction activities.</p> <p>If café businesses occupy Waterman's Green during the construction period, the Employer shall work with the business owner(s) to develop suitable hoardings.</p> <p>The external appearance of the hoarding shall be approved by the local authority and transparent hoardings may be used, if agreed with the relevant stakeholders.</p>
<p>River works</p>	<p>As per the <i>CoCP</i> Part A.</p>
<p>Other items</p>	<p>The contractor shall ensure that the integrity of the retaining wall to Waterman's Green and other flood defence walls are maintained during construction.</p> <p>The onsite lighting scheme shall be designed in consultation with local businesses adjacent to the worksite and the local authority to limit adverse impacts. Lighting shall be directed away from</p>

Topic	Site-specific requirement
	sensitive receptors and light spill minimised, eg, by using directional, capped and cowled lighting.

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site access shall be from Putney High Street (A219) via Putney Bridge Road, left turn onto Lower Richmond Road and right turn into the site from Embankment.</p> <p>During construction of the temporary slipway, construction vehicles shall access the site by turning right from Lower Richmond Road into Glendarvon Street and right into Embankment. Vehicles shall then stop at a designated location on Embankment adjacent to the site to load/unload. When leaving the site, vehicles shall route east along Embankment and turn right into Thames Place then left into Lower Richmond Road.</p> <p>The contactor shall give one month's notice to the local authority in advance of the use of Glendarvon Street for the delivery of materials for the construction, and subsequent removal of the temporary jetty.</p>
Traffic management	<p>Main site</p> <p>It is proposed to change the operation of Embankment between the new site access and the junction with Lower Richmond Road to two-way for construction vehicles only during the main site works. A minimum carriageway width of 3.25m shall be retained in each direction.</p> <p>Construction vehicles associated with the main construction site shall not be permitted to use Glendarvon Street.</p> <p>A traffic marshal shall be in place for when large vehicles are required to reverse out of the site onto Embankment.</p> <p>A small section of on-street parking shall be suspended on the eastern end of Embankment</p> <p>The cycle stands on Embankment shall be relocated approximately 20m to the west.</p> <p>Temporary slipway site (construction and dismantling)</p> <p>Construction vehicle drivers shall be warned in advance of the restricted road width along</p>

Topic	Site-specific requirement
	<p>Glendarvon Street and advised to look out for potential conflicts with oncoming vehicles.</p> <p>Construction vehicles shall only access the site via Glendarvon Street between 10:00 and 15:00 Monday to Friday. Construction vehicles shall not be permitted to use Glendarvon Street outside this period.</p> <p>The contractor’s traffic management plan shall address potential conflicts between construction vehicles and other large vehicles (such as vehicles transporting boats) at the Glendarvon Street/Embankment junction by means of measures such as timed deliveries, traffic marshals or priority signage.</p> <p>Two-way flow on the Embankment carriageway shall be maintained for general traffic using a priority traffic management system as required during construction of the temporary slipway.</p> <p>A small section of parking on the southern end of Glendarvon Street shall be suspended to facilitate vehicles passing each other.</p> <p>Parking bays located at the southern end of Glendarvon Street to facilitate construction vehicle movements shall be replaced (subject to agreement with the London Borough of Wandsworth) with parking restrictions that enable local residents to park outside of the hours of 10.00 to 15.00 Monday to Friday</p> <p>The majority of on-street parking on Embankment between Thames Place and Glendarvon Street shall be suspended during these phases of works.</p> <p>The parking suspensions listed above under the heading ‘Temporary slipway site’ shall only occur during construction and removal of the temporary slipway.</p>
Event restrictions	<p>Identified river race events, including the University Boat Race, shall not be restricted by the works. The construction site shall not be removed but construction shall be temporarily suspended and any barges associated with the works removed.</p> <p>For the University Boat Race, the contractor shall arrange additional security and take other measures set out in the site security plan to ensure that the site is contained and to prevent members of the public climbing hoardings or entering the site.</p> <p>Further event restrictions may be required following</p>

Topic	Site-specific requirement
	discussions with stakeholders.
River transport	<p>No weekend river transport shall be permitted.</p> <p>Access to Putney Pier shall be maintained for the duration of the construction works. The contractor shall liaise with Transport for London (London River Services) and the pier owners.</p> <p>Deliveries of plant, equipment, welfare facilities and ready-mix concrete for the temporary slipway works shall be via Glendarvon Street. Other construction materials shall be delivered by river to the temporary slipway site unless marine restrictions prevent the timely installation/removal of that slipway or unless otherwise approved by the local authority.</p>
Other	<p>A removable chain shall be installed across the temporary slipway to prevent unauthorised parking while maintaining access to launch vessels.</p> <p>The contractor shall produce and implement a plan, in consultation with St Mary's Church, to ensure safe passage to the church and Busy Bee by the Bridge Nursery School. The plan shall include measures to ensure that no conflict occurs between the movements of construction personnel, materials and tools/equipment relating to works in the vaults on the eastern side of Putney Bridge and people accessing the church and the nursery school.</p> <p>Where appropriate, signage and warning systems shall be installed to direct rowers and other river users around structures within the foreshore.</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 to the local authority.</p>	<p>Barges shall only be loaded and unloaded during standard working hours.</p> <p>Outside of standard working hours, the use of surface cranes during connection tunnel works shall be minimised. This will involve stockpiling materials/equipment at the bottom of the CSO drop shaft for use during the evening and night to be removed during standard working hours. In addition, the contractor shall implement measures to reduce noise including using electric gantry cranes where practicable and electric forklifts, particularly when moving and unloading skips.</p> <p>A 2.4m high noise screen shall be located on the</p>

Topic	Site-specific requirement
	<p>western edge of the sections of the cofferdam that are perpendicular to the river wall.</p> <p>Except for the anchor piles, the contractor shall construct the cofferdam using push piling unless this is determined to be impossible. In this case, this shall be demonstrated by the contractor who shall make an application to the relevant local authority for an alternative piling method through the Section 61 dispensation process (see Appendix A; Section A.1 in the <i>CoCP</i> Part A) or through contingency measures and arrangements if included in the original Section 61 consent.</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	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	As per the <i>CoCP</i> Part A.
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 CoCP Part A
Energy usage	As per the CoCP Part A.
Other	N/A

11 Ecology (aquatic and terrestrial)

Topic	Site-specific requirement
Protection of habitats	<p>A membrane shall be installed between the riverbed and any temporary back fill material to prevent contamination of juvenile fish habitat.</p> <p>Areas of foreshore used for temporary works shall be restored to a similar condition with appropriate materials as prior to the works.</p>
Protection of trees	<p>The contractor shall carry out a survey to ascertain the location of tree roots in relation to slipways, highways and footpaths.</p> <p>Roots of large London Plane trees shall be protected from damage during the installation of cable ducts.</p> <p>Suitable protection shall be laid on the existing cobbled slipway to protect the roots of the London Plane tree located on Waterman's Green.</p> <p>Pruning of trees located along Embankment and on Waterman's Green shall be agreed with the local authority.</p>
Other	N/A

12 Historic environment

Topic	Site-specific requirement
Other	<p>When attaching the cofferdam against the southern abutment of the listed Putney Bridge, the contractor shall avoid direct fixing into the abutment's stonework facings, unless agreed otherwise with the local authority.</p> <p>Hand railings along Waterman's Green shall be protected during the works and reinstated following construction.</p> <p>Putney public slipway shall be protected during construction and localised areas of cobbles</p>

Topic	Site-specific requirement
	<p>removed, stored and reinstated to the existing condition as far as practicable.</p> <p>The University Boat Race starting stone shall be protected from damage.</p> <p>The contractor shall remove, protect and reinstate the listed bollards, which shall be securely stored for the duration of the works.</p> <p>The contractor shall identify any requirements to temporarily remove the statue 'load' located at the junction of Lower Richmond Road and Embankment. Measures to protect the statue, whether it is temporarily removed or kept <i>in situ</i> for the duration of the works, shall be submitted to and agreed in writing with the local authority. If removed, the statue shall be securely stored for the duration of the works.</p> <p>The contractor shall select working methods that minimise the risk of vessels striking the listed bridge. Protection barriers shall be installed, as required, but not attached to the listed structure unless otherwise agreed with the local authority in consultation with the Historic Buildings and Monuments Commission for England.</p>

13 Other

Topic	Site-specific requirement
Other	N/A

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