

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

Application Reference Number: WWO10001

Code of Construction Practice Part B: Site Specific Requirements

Barn Elms - 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

Barn Elms

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Thames Tideway Tunnel

Code of Construction Practice Part B Barn Elms

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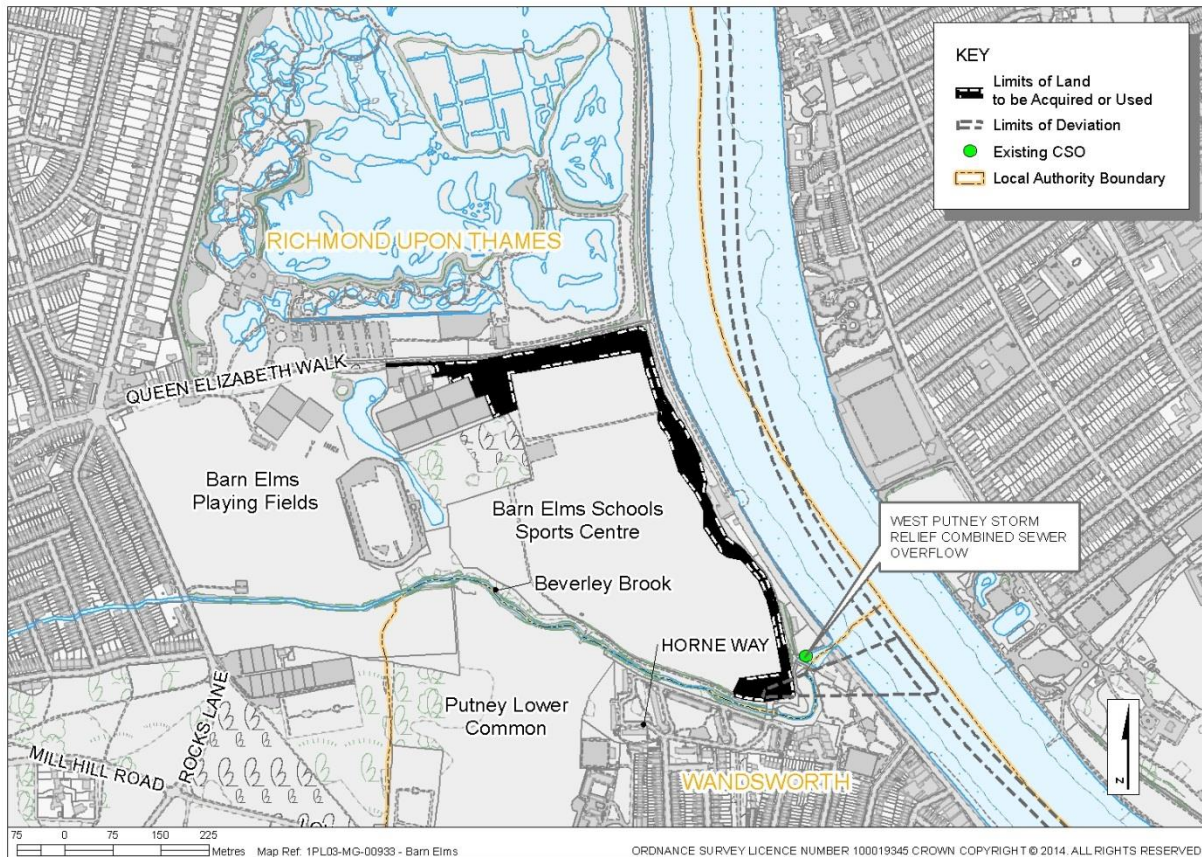
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1 Introduction

- 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 Barn Elms 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 Richmond upon Thames 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 Barn Elms: 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 West Putney 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</p>

Topic	Site-specific requirement
	the Control of Pollution Act 1974.
Site layout	<p>There shall be an 8m clearance between the bank of Beverley Brook and operational plant and equipment, unless otherwise agreed with the local authority.</p> <p>The reconfiguration of the sports pitches at the Barn Elms Schools Sports Centre shall be agreed with the landowner (the London Borough of Wandsworth) and implemented prior to commencing construction of the access route at Barn Elms.</p>
Site security/hoarding requirements	<p>The hoarding shall be planted on public-facing sections, as defined in <i>CoCP</i> Part A para. 4.3.4c.</p> <p>The hoarding height shall be 3.6m at this site.</p> <p>The main site compound shall be fully hoarded. A buried fencing/steel mesh netting shall extend at least 500mm below the hoarding to prevent badgers from accessing the worksite (see Section 11).</p> <p>The access route shall be surrounded by green - painted, steel, open mesh fencing (2.4m) suitably supported for weather conditions (or similar) and designed to allow badgers to cross the route at night.</p> <p>The contractor shall safely segregate the sports facilities from the access route throughout construction, in consultation with the local authority and the Barn Elms Schools Sports Centre management. This shall include designing the construction access fencing and/or site hoarding to withstand potential impacts from users of the sports pitches.</p>
River works	N/A
Other items	<p>Netting of sufficient height shall be erected above the hoarding to prevent balls from the playing fields entering the construction site.</p> <p>Site cabins and welfare facilities shall be dark green in colour to tie in with the planted hoardings.</p> <p>The size and duration of construction areas within the Barn Elms Schools Sports Centre shall be minimised for each construction phase. The site area shall be landscaped and other completion works undertaken as soon as practicable. For the commissioning activities the minimum area required to undertake the work shall be used.</p>

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site entry/exit shall be from Upper Richmond Road (A205), travelling along Rocks Lane (A306) and turning right into Queen Elizabeth Walk. Vehicles shall access the site via the Barn Elms Schools Sports Centre car park. A new access road shall route along the northern boundary of the sports centre towards the River Thames and then along the eastern boundary parallel to the river. It shall be single track that incorporates passing places. The design of the access route shall minimise impacts on existing ecology, where practical.</p> <p>Access and construction activities shall be minimised during times of heavy recreational use of the playing fields.</p> <p>Access to the existing car park and sports facilities shall be maintained throughout the works.</p> <p>The contractor shall provide vehicular access to the Ashlone Wharf tidal barrier for the Environment Agency and its contractors throughout the construction period along the access route.</p> <p>The entrance to the access route shall be kept secure at all times, while ensuring that the Environment Agency can access its asset whenever required (unrestricted 24 hours a day to ensure that the agency can fulfil its flood defence obligations).</p>
Traffic management	<p>Unless otherwise agreed in writing with the local authority, no heavy goods vehicles shall enter or leave the construction site during the hours of 08:00 to 09:00 and 17:00 to 18:00 Monday to Friday excluding Bank Holidays and 08:00 to 13:00 on Saturdays to avoid local congestion.</p> <p>The contractor shall limit work activities during standard hours on Saturdays.</p> <p>Vehicle and pedestrian access to the boathouse shall be maintained, unless otherwise agreed with the local authority.</p> <p>Parking changes within the Barn Elms Schools Sports Centre car park to facilitate construction of the site access road shall include temporary relocation/re-provision of car parking spaces for the duration of the works (NB: land for the re-provision may be available from the London Borough of Wandsworth).</p>

Topic	Site-specific requirement
	Rocks Lane is subject to the London Lorry Control Scheme and heavy goods vehicle movements along this road between 21:00 and 07:00 Monday to Friday, 13:00 to midnight on Saturdays and all day Sunday shall be agreed with the Lorry Control Unit. At points along Queen Elizabeth Walk and at the Barn Elms Schools Sports Centre car park access, traffic marshals shall be provided where the carriageway is not wide enough for two-way flow of heavy goods vehicles.
Event restrictions	The contractor shall liaise with the London Borough of Richmond upon Thames regarding any events.
River transport	N/A
Other	Access to the Beverly Brook footpath shall be maintained during construction. Safe pedestrian access between Queen Elizabeth Walk and the Barn Elms Schools Sports Centre shall be maintained at all times. The existing pedestrian access gate in the northern perimeter fence between Barn Elms Sports Centre and the footpath beyond shall be relocated to facilitate safe access to the footpath at all times during construction. The relocated gate shall remain in close proximity to the changing room facilities.

6 Noise and vibration

Topic	Site-specific requirement
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.	Outside of standard working hours, the use of surface cranes for connection tunnel works shall be minimised. This shall 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. Screened onsite batchers or screened static concrete re-mixer plant for connection tunnel works shall be used outside standard hours. Concrete breakers shall not be used at night (22:00 to 08:00) except in cases of emergency.
Other	Reference should be made to CoCP Part A para.

Topic	Site-specific requirement
	6.3 regarding Section 61 applications to be shared with the London Borough of Wandsworth as well as the London Borough of Richmond upon Thames.

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per the <i>CoCP</i> Part A.
Dust emissions/control	Reference should be made to <i>CoCP</i> Part A para. 7.5.1 regarding agreeing locations and providing data to the London Boroughs of Wandsworth and Richmond upon Thames.
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	Suitable drainage shall be provided for the temporary access route. All temporary hardstanding (as far as reasonably practicable) on the site shall incorporate permeable surfacing (Sustainable Drainage Systems/flood risk alleviation/surface water run-off reduction).
Control on abstraction	As per the <i>CoCP</i> Part A.
Ground treatment/dredging	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.

Topic	Site-specific requirement
Resource usage	As per the <i>CoCP</i> Part A.
Other	Topsoil to be removed shall be retained onsite for future use in project works, where required.

11 Ecology (aquatic and terrestrial)

Topic	Site-specific requirement
Protection of habitats	Permeable (non-restricting) open fencing shall be used along the access route to provide badgers access through the landscape around the route (for full details on hoarding requirements see Section 4).
Protection of trees	Measures shall be implemented to protect trees and scrub along the southern boundary of the site and the eastern side of the site and access road.
Other	<p>The trees and scrub adjacent to the site provide important foraging areas for bats and nesting habitat for birds.</p> <p>Lighting shall be directed away from this habitat and light spill minimised by use of cowling. In order to ensure impacts of the lighting are minimised, while taking due regard for safety, the plan shall be submitted for the approval of the London Borough of Richmond upon Thames.</p>

12 Historic environment

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

13 Other

Topic	Site-specific requirement
Other	N/A

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