



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
- Barn Elms (Comparite against 28 February 2013)**

Doc Ref: **APP72.4**





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

List of contents

	Page number
1 Barn Elms	1
1.1 General	1
2 General requirements	2
3 Communications and community/stakeholder liaison	2
4 Site operation	32
5 Public access, highway and river transport	3
6 Noise and vibration	5
7 Air quality	56
8 Water resources	56
9 Land quality	6
10 Waste management and resource use	6
11 Ecology (aquatic and terrestrial)	67
12 Historic environment	7
13 Other	7

List of figures

	Page number
Figure 1.1 Barn Elms: Site context and location plan	2

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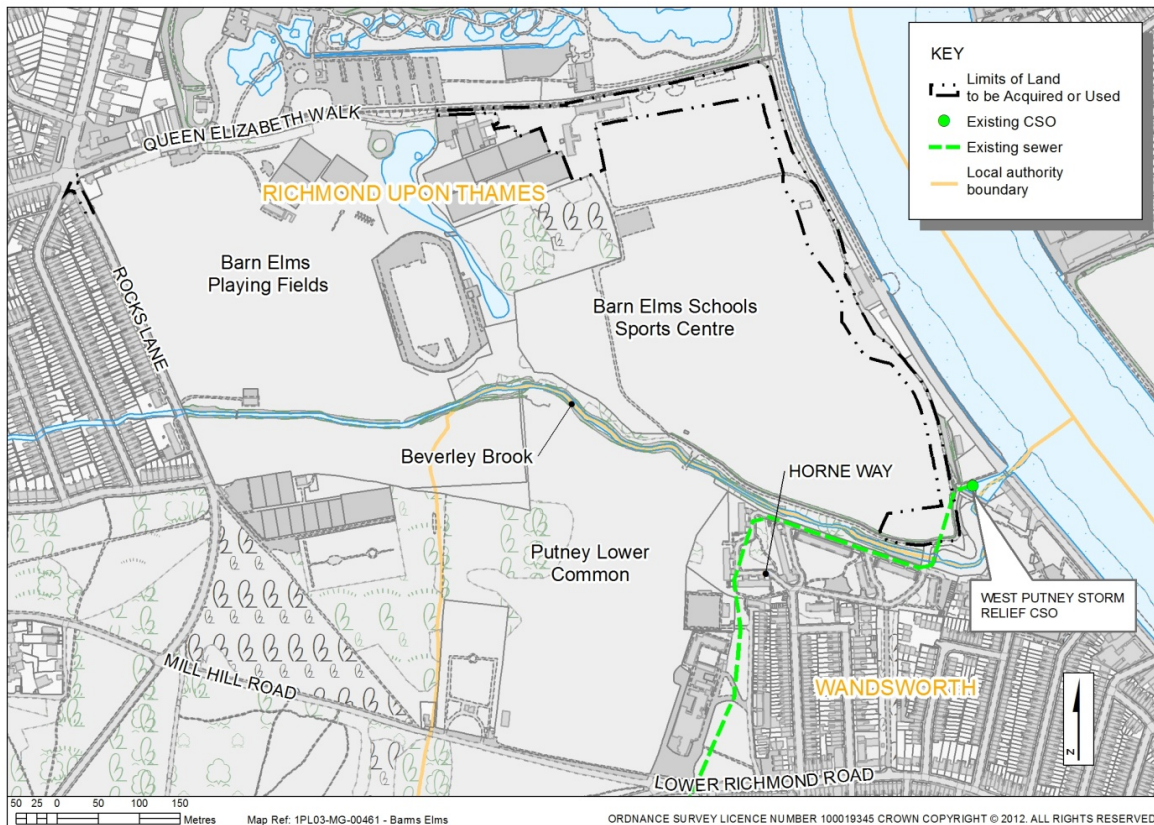
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Barn Elms

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 ~~Accidents~~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 Barn Elms 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 London Borough of Richmond upon Thames 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 Barn Elms: 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
2.0.1 As per text in CoCP Part A.

3 Communications and community/stakeholder liaison
3.0.1 As per text in CoCP Part A.

4 Site operation	
Topic	Site-specific requirement
Working hours	<p>This site will<u>shall</u> adhere to the following working hours.</p> <ol style="list-style-type: none"> a. standard b. continuous (for the West Putney connection tunnel construction). <p>Other<u>When other types of working hours are (CoCP Part A, Table 4.1) are required, these shall be subject to agreement with the local authority through the Section 61 process.</u></p>
Site layout	<p>Operating plant and equipment will<u>shall</u> be set back from the bank of the Beverley Brook to leave an 8m buffer zone, unless agreed otherwise.</p>
Site security / hoarding requirements	<p>The main site compound is to be fully hoarded. A buried fencing / steel mesh netting will<u>shall</u> be extended at least 500mm below the hoarding to prevent badgers, etc from accessing the working site (see Section 11).</p> <p>The access route will<u>shall</u> have green painted steel open mesh fencing suitably supported for weather conditions or similar and will<u>shall</u> be designed to allow badgers, etc access across the road at night.</p> <p>The hoarding is to be as defined in CoCP Part A Section 4.3.4c, planted hoarding on public facing sections.</p> <p>The hoarding height is to be 3.6m at this site.</p>
<u>River works</u>	<u>As per text in CoCP Part A.</u>
Other items	<p>High pole suspended vertical netting of sufficient height will<u>shall</u> be erected above the hoarding where required to prevent balls from entering the hoarded construction works from the playing field.</p> <p>Site cabins and welfare facilities to be dark green color to tie in with the planted hoardings.</p> <p><u>The use and duration of the construction areas within the Barn Elms Schools Sports Centre are to be minimised and reduced, as appropriate, between the construction phases. This includes reducing the construction site area used after completion of the main civil engineering works, including shaft construction, but prior to mechanical</u></p>

Topic	Site-specific requirement
	and electrical works, commissioning and landscaping.

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site access/egress willshall be from Upper Richmond Road (A205), travelling along Rocks Lane (A306) and turning right into Queen Elizabeth Walk. Vehicles willshall access the site via the Barn Elms Schools Sports Centre car park. A new access road willshall route along the northern boundary of the sports centre to the River Thames and then along the eastern boundary parallel to the river. The access route design willshall minimise the impact on the existing ecology where practical. It willshall be single track with passing places.</p> <p>Access and construction activities willshall be minimised during times of heavy recreational use of the playing fields.</p> <p>Access to the existing car park and sports facilities willshall be maintained throughout the works.</p> <p>EA emergency access to Ashlone Wharf tidal barrier will be retained. The Contractor shall provide vehicular access to Ashlone Wharf tidal barrier, for the EA and its contractors along the access route to be constructed on the northern and eastern perimeter of Barn Elms Playing Field, for the duration of the works.</p> <p>The entrance to the access route shall be kept secure at all times, whilst ensuring that the EA can access the asset whenever this is required (unrestricted 24hours a day, to ensure that they can fulfil their flood defence obligations).</p>
Traffic management	<p>Unless otherwise agreed in writing with the local planning authority, no heavy goods vehicles shall enter or leave the construction site during the hours of 08.00 to 09.00am and 17:00 to 18:00 Monday to Friday excluding bank holidays, and 08.00 to 13.00pm Saturday to avoid local congestion.</p> <p>Works during standard hours on a Saturday willshall consider avoiding periods of high recreational activity.</p> <p>Access to the boathouse to be maintained for</p>

Topic	Site-specific requirement
	<p>vehicles and pedestrians, unless otherwise agreed.</p> <p>Parking changes within the Sports Centre car park required to facilitate the construction site access road, will<u>shall</u> include temporary relocation/ re-provision of car parking spaces for the duration of the works (note: land may be available from the London Borough of Wandsworth for the re-provision).</p> <p>Rocks Lane is part of the London Lorry Control Scheme and HGV movements along this road between 9pm<u>21:00</u> and 07am<u>:00</u> Monday to Friday, 1pm<u>3:00</u> to midnight Saturday and all day Sunday would need to be agreed with the Lorry Control Unit.</p> <p>At locations along Queen Elizabeth Walk and at the Sports Centre car park access where carriageway width may not permit two-way vehicle flow for HGVs traffic marshals will<u>shall</u> be required.</p> <p><u>The contractor shall provide safe segregation between the sport facilities and haul road throughout construction in consultation with the local authority and the Barn Elms School Sports Centre Management. This may include considering the suitable design of construction access fencing and or site hoarding to withstand potential impact from sports pitch users.</u></p>
Event restrictions	To be advised from discussions with the London Borough of Richmond upon Thames.
River transport	N/A
Other	<p>Access to the Beverly Brook footpath would be maintained during construction.</p> <p><u>Pedestrian access between Queen Elizabeth Walk and the Barn Elms School Sports Centre shall be maintained. The position of the existing pedestrian access gate in the northern perimeter fence, shall be relocated to reflect the final layout of the construction access.</u></p> <p><u>The position of the relocated pedestrian access gate shall remain in close proximity to the changing room facilities, and access to the facilities shall be maintained throughout the works.</u></p>

6 Noise and vibration	
Topic	Site-specific requirement
Control measures	<p>During connection tunnel works outside of standard working hours the use of surface cranes willshall be minimised. This willshall involve the stockpiling of materials/ equipment at the bottom of the shaft for use during the evening and night for removal during standard working hours. In addition the work willshall utilise measures to reduce noise including the use of electric gantry cranes, gas/electric fork lift and measures to reduce noise from skip movements and unloading.</p> <p>Screened on-site batchers or screened static concrete re-mixer plant shall be used for tunnel works outside standard hours.</p> <p>Avoid the use of breakers at night (2200-0800) except in emergency. See hoarding height above.</p>
Other	Reference should be made to Part A Section 6.3.5 for Section 61 application to be shared with LB of Wandsworth in addition to the London Borough of Richmond upon Thames.

7 Air quality	
Topic	Site-specific requirement
Vehicle and plant emissions	As per text in <i>CoCP</i> Part A.
Dust emissions/control	Reference should be made to Part A Section 7.5.1 on agreeing locations and data provisions to both the London Boroughs of Wandsworth and Richmond upon Thames.
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	The temporary access route willshall have suitable temporary drainage and willshall prevent any local flooding of adjacent playing areas.

Control on abstraction	As per text in <i>CoCP</i> Part A.
Ground treatment / dredging	As per text in <i>CoCP</i> Part A.
Other	All temporary hardstanding (as far as reasonably practicable) on non-foreshore sites willshall incorporate permeable surfacing (SUDS/flood risk alleviation/surface water runoff reduction).

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.
Resource usage	As per text in <i>CoCP</i> Part A.
Other	Topsoil to be removed willshall be retained on site for future use where required as part of Thames Tideway Tunnel project works.

11 Ecology (aquatic and terrestrial)	
Topic	Site-specific requirement
Protection of habitats	<p>Bird and bat boxes willshall be provided at the start of construction.</p> <p>Use of permeable (non-restricting) open fencing along access fence to allow badgers access through landscape around construction access road (see Section 4). Used buried fencing/hoardings around work site or excavation boundary to prevent badgers access working site, with planting around site to encourage movement.</p>
Protection of trees	Tree protection measures to be implemented to protect trees and scrub along the southern boundary of the site and along the eastern side of the site and access road.
Other	The trees and scrub adjacent to the site provide important foraging areas for bats and nesting habitat for birds. Therefore, lighting willshall be

Topic	Site-specific requirement
	directed away from this habitat and light spill will <u>shall</u> be minimised through the use of cowling.

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

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

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