

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

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Code of Construction Practice Part B: Site Specific Requirements

Acton Storm Tanks - 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

Acton Storm Tanks

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Thames Tideway Tunnel

Code of Construction Practice Part B

Acton Storm Tanks

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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 Acton Storm Tanks 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 Ealing and other stakeholders.
- 1.1.4 For ease of reference, this document sets out site-specific measures 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 Acton Storm Tanks: 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 for the main tunnel secondary lining phase. <p>When other types of working hours (see 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	As per the <i>CoCP</i> Part A.
Site security/hoarding requirements	The hoarding shall incorporate suitable art work on public-facing sections, as defined in the <i>CoCP</i> Part A para. 4.3.4a. The hoarding height on the boundary of the site with 1-5 Canham Road and with Greenend Road shall be increased from 2.4m to 3.6m.
River works	N/A
Other items	When mains electrical power is not used to power site equipment, the contractor shall provide a written explanation in advance to the employer and the London Borough of Ealing.

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	The site shall be accessed from The Vale via Warple Way and Canham Road with left turn only into and out of the site. Vehicles shall exit to The Vale via Canham Road and Stanley Gardens. The security barrier shall be positioned to enable a standard rigid tipper vehicle to sit wholly off the road while awaiting barrier operation. The site entrance shall be designed to prevent any vehicles over-swinging the footpath. Safe access for construction vehicles shall be maintained during all weather conditions along Warple Way, Canham Road and Stanley Gardens.
Traffic management	Access for general traffic shall be maintained throughout construction, unless agreed otherwise with the local authority. Access to the third-party vehicle parking area may be reduced to a single lane for a short period. The contractor shall manage entry and exit of vehicles across the entrance to the third-party vehicle parking area. A maximum of five sections of on-street parking on Canham Road, Warple Way and Stanley Gardens shall be suspended and not re-provided. Any suspensions of areas of parking in the third-party vehicle parking area shall take place in

Topic	Site-specific requirement
	<p>phases to minimise the impact on users.</p> <p>The contractor shall manage potential conflicts between construction activities and pedestrians by use of traffic marshals on Canham Road, including users of the nursery.</p> <p>The site-specific traffic management plan shall comply with the London Borough of Ealing's requirements for signage, tactile paving and road markings to be provided where diversions are in place.</p>
Event restrictions	N/A
River transport	N/A
Other	N/A

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>The construction area around the main tunnel shaft shall be covered by an enclosure during the main tunnel secondary lining works. The enclosure's cladding shall have a minimum sound reduction value of 20 dB R_w¹. Noise enclosure openings shall face away from sensitive noise receptors where practicable; at night openings shall only be used where essential and kept closed when not in use.</p> <p>The temporary concrete batching plant shall be enclosed by a suitable structure and acoustic attenuation material.</p> <p>Movements of vehicles onsite outside standard hours shall be restricted.</p> <p>The fill material in the existing storm tanks shall be compacted using machinery that generates the lowest practicable vibration levels that can achieve the required level of compaction. Specifically, large twin-drum vibrating rollers shall only be used in locations where vibration levels can be controlled to less than the impact criteria set in the <i>Environmental Statement</i>, Vol 4: Acton Storm Tanks, Tables 9.5.3 and 9.5.4.</p>
Other	N/A

¹ See British Standard EN ISO 12354.

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 when agreeing locations and data provisions with the London Boroughs of Ealing and Hounslow. Baseline monitoring for PM ₁₀ and NO ₂ shall be carried out for a minimum of 12 months prior to commencing works. Note that the nearest Automatic Urban and Rural Network monitor is currently located in North Kensington. The monitoring layout shall include a continuous monitor located at each end of a transect of the site, having regard to the prevailing wind direction. Additional monitors shall be located at the boundary of the site with 2-10 Greenend Road and in the vicinity of 1-2 Canham Road.
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	If suitable, excavated material arising from works onsite shall be used to fill the northern storm tanks.
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	Bird and bat boxes shall be installed at locations agreed with the local authority.
Protection of trees	Where moderate quality (prominent) existing trees are removed, these shall be replaced with high quality trees on completion of the works. See below for details of advanced planting.
Other	N/A

12 Historic environment

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

13 Other

Topic	Site-specific requirement
Visual	Advanced planting shall be provided to form a tree line screen down the eastern boundary and southeastern corner of the site hoarding.

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