

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

Application Reference Number: WWO10001

Code of Construction Practice Part B

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Acton Storm Tanks

APFP Regulations 2009: Regulation **5(2)(q)**

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**Thames
Tideway Tunnel**



Creating a cleaner, healthier River Thames

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Code of Construction Practice Part B

Acton Storm Tanks

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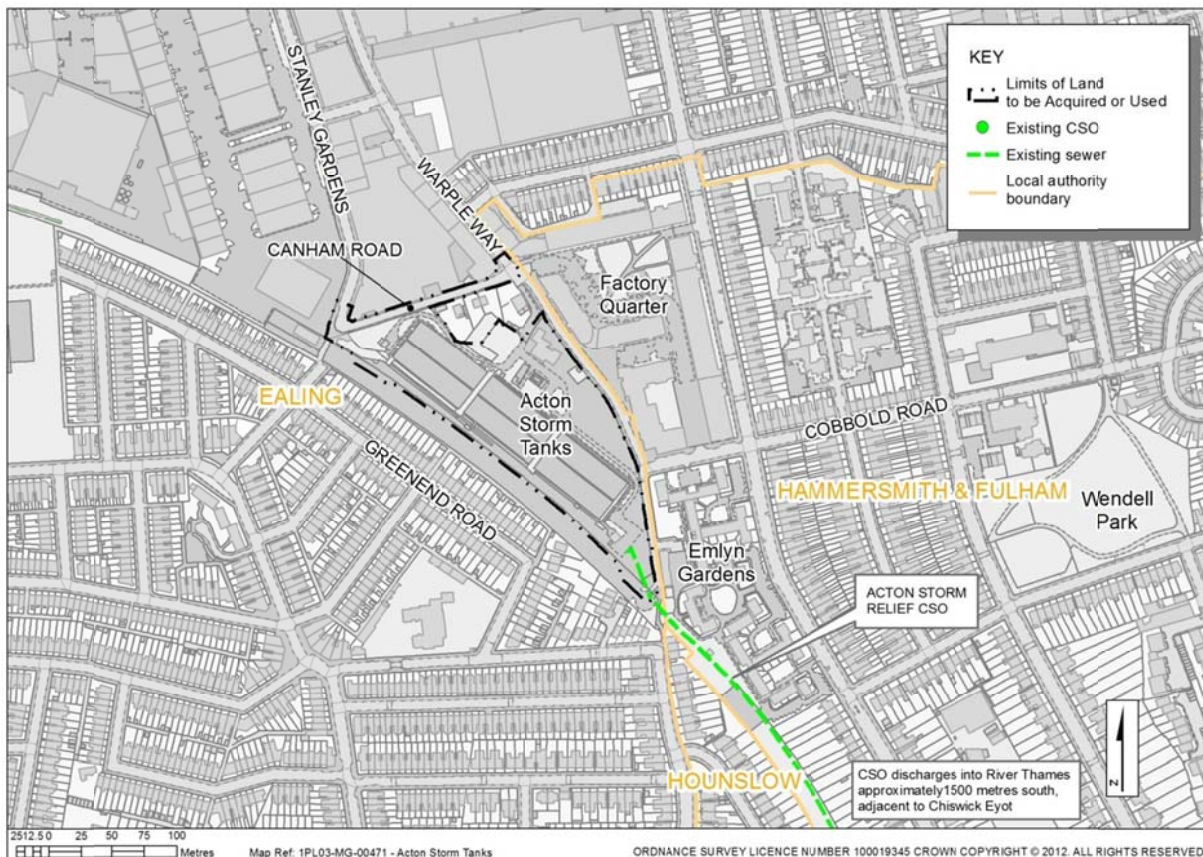
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1 Acton Storm Tanks

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, 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 Acton Storm Tanks 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 (LB) of Ealing 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 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

2.1.1 As per text in CoCP Part A.

3 Communications and community/stakeholder liaison

3.1.1 As per text in CoCP Part A.

4 Site operation

Topic	Site-specific requirement
Working hours	<p>This site will adhere to the following working hours:</p> <ul style="list-style-type: none"> a. standard b. continuous for main tunnel secondary lining phase. <p>Other working hours are subject to agreement with the local authority.</p>
Site layout	As per text in <i>CoCP</i> Part A
Site security / hoarding requirements	<p>Hoarding height on the boundary of the site with 1-5 Canham Road and with Greenend Road will be increased from 2.4m to 3.6m.</p> <p>The hoarding is to be as defined in <i>CoCP</i> Part A para. 4.3.4a incorporating suitable art work on public facing sections.</p>
Other items	When mains power is not used, the contractor will document why this is the case in advance to LB of Ealing.

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site access will be from The Vale via Warple Way and Canham Road with only a left turn into the site and left turn out. Vehicles will egress to The Vale via Canham Road and Stanley Gardens.</p> <p>The site entrance will be designed to prevent any vehicles over swinging the footpath.</p> <p>Safe access for construction vehicles will be maintained during winter conditions, along Warple Way, Canham Road and Stanley Gardens.</p> <p>The security barrier will be positioned to allow a standard rigid tipper vehicle to be wholly off the road whilst awaiting barrier operation.</p>
Traffic management	<p>Five sections of on street parking on Canham Road, Warple Way and Stanley Gardens will be suspended with no re-provision.</p> <p>Access to a third party vehicle parking area to be reduced to one lane at entrance for short period during construction. Access for general traffic will be maintained throughout, unless agreed otherwise</p>

Topic	Site-specific requirement
	<p>with the local authority.</p> <p>Some temporary parking suspension will be required in a third party vehicle parking area during construction.</p> <p>The contractor will manage entry and egress of vehicles across the entrance and potential conflicts with pedestrians crossing, by use of measures such as traffic marshals. This is particularly for pedestrians going to/from the existing nursery.</p>
Event restrictions	N/A
River transport	N/A
Other	As per text in <i>CoCP</i> Part A.

6 Noise and vibration

Topic	Site-specific requirement
Control measures	<p>See hoarding requirements above.</p> <p>The construction area around the shaft will be covered by an enclosure/building during the main tunnel secondary lining works. The building will have cladding with a specified sound reduction value. The building openings will be designed to be away from sensitive noise receptors and will be kept closed when not in use at night. Only essential use of openings at night.</p> <p>Movements of vehicles on the site outside standard hours to be restricted.</p> <p>Enclose with suitable structure and acoustic attenuation material the concrete batching plant.</p> <p>Compaction of the fill material in the storm tanks will be undertaken using machinery generating the lowest practicable vibration levels which still enables the required level of compaction to be completed. Specifically, the use of large twin-drum vibrating rollers will only be used in locations where vibration levels can be controlled to less than the impact criteria.</p>
Other	As per text in <i>CoCP</i> Part A.

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per text in CoCP Part A.
Dust emissions/control	Reference should be made to Part A para. 7.5.1 in agreeing locations and data provisions to LB of Hounslow and LB of Ealing. Monitoring should incorporate locations to cover receptors on Greenend Road. Baseline monitoring for PM ₁₀ and NO ₂ will be undertaken for a minimum of 12 months. Note that the nearest AURN monitor is currently at North Kensington. The monitoring layout will include a continuous monitor located at each end of a transect of the site, with regards to the prevailing wind direction. An additional monitor will be located at the boundary of the site with 2-10 Greenend Road.
Odour	As per text in CoCP Part A.
Other	As per text in CoCP Part A.

8 Water resources

Topic	Site-specific requirement
Control of pollution: surface water / groundwater	As per text in CoCP Part A.
Control on abstraction	As per text in CoCP Part A.
Ground treatment / dredging	As per text in CoCP Part A.
Other	As per text in CoCP Part A.

9 Land quality

Topic	Site-specific requirement
Site works	As per text in CoCP Part A.
Site-specific issues / mitigation	As per text in CoCP Part A.

10 Waste management and resource use

Topic	Site-specific requirement
Excavated material	Where possible excavated material arising from works on site will be utilised to fill the northern tanks.
Resource usage	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

11 Ecology (aquatic and terrestrial)

Topic	Site-specific requirement
Protection of habitats	Bird and bat boxes will be installed.
Protection of trees	Replanting of moderate quality (prominent) existing trees with high quality trees upon completion. See below for details of advance planting.
Other	As per text in <i>CoCP</i> Part A.

12 Historic environment

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

13 Other

Topic	Site-specific requirement
Visual	Advanced planting to provide tree line screen down eastern boundary and south eastern corner of CSO site hoarding.

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