Application for Development Consent
Application Reference Number: WWO10001

Book of Plans
Doc Ref: 2.06
Hammersmith Pumping Station
APFP Regulations 2009: Regulation 5(2)(k), (o)

Hard copy available in
Box 61 Folder B
January 2013
This page is intentionally left blank
# List of Volumes

<table>
<thead>
<tr>
<th>Box</th>
<th>Volume</th>
<th>Section</th>
<th>Location</th>
<th>Drawing type or site location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Project-wide drawings</td>
<td>Works plan and sections</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Project-wide drawings</td>
<td>Land acquisition plans</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Project-wide drawings</td>
<td>Land plans</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>Project-wide drawings</td>
<td>Crown and special category land plans</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Site drawings</td>
<td>Acton Storm Tanks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>Site drawings</td>
<td>Hammersmith Pumping Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>7</td>
<td>Site drawings</td>
<td>Barn Elms</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Site drawings</td>
<td>Putney Embankment Foreshore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Site drawings</td>
<td>Carnwath Road Riverside</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>10</td>
<td>Site drawings</td>
<td>Dormay Street</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Site drawings</td>
<td>King George’s Park</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Site drawings</td>
<td>Falconbrook Pumping Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Site drawings</td>
<td>Cremorne Wharf Depot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Site drawings</td>
<td>Chelsea Embankment Foreshore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Site drawings</td>
<td>Kirtling Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>16</td>
<td>Site drawings</td>
<td>Heathwall Pumping Station</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Site drawings</td>
<td>Albert Embankment Foreshore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Site drawings</td>
<td>Victoria Embankment Foreshore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Site drawings</td>
<td>Blackfriars Bridge Foreshore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>Site drawings</td>
<td>Shad Thames Pumping Station</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Site drawings</td>
<td>Chambers Wharf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Site drawings</td>
<td>Earl Pumping Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Site drawings</td>
<td>Deptford Church Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>24</td>
<td>Site drawings</td>
<td>Greenwich Pumping Station</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Site drawings</td>
<td>King Edward Memorial Park Foreshore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Site drawings</td>
<td>Bekebourne Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Site drawings</td>
<td>Abbey Mills Pumping Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Site drawings</td>
<td>Beckton Sewage Treatment Works.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Project-wide drawings</td>
<td>Ventilation columns</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This volume is Volume 2
### Volume 2

#### List of contents

<table>
<thead>
<tr>
<th>Drawing Title</th>
<th>Sheet No.</th>
<th>Drawing number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section 6: Hammersmith Pumping Station</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location plan</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060001</td>
</tr>
<tr>
<td>As existing site features plan</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060002</td>
</tr>
<tr>
<td>Access plan</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060003</td>
</tr>
<tr>
<td>Demolition and site clearance</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060004</td>
</tr>
<tr>
<td>Site works parameter plan</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060005</td>
</tr>
<tr>
<td>Site works parameter key plan</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060006</td>
</tr>
<tr>
<td>Permanent works layout</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060007</td>
</tr>
<tr>
<td>Proposed site features plan</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060008</td>
</tr>
<tr>
<td><strong>Section AA</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As existing and proposed north elevation</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060009</td>
</tr>
<tr>
<td>As existing and proposed south elevation</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060010</td>
</tr>
<tr>
<td><strong>Ventilation structure design intent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction phases - phase 1 Site setup, shaft construction &amp; tunnelling</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060013</td>
</tr>
<tr>
<td>Construction phases - phase 2 Construction of other structures</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060014</td>
</tr>
<tr>
<td>Highway layout during construction (Area 1)*</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060017</td>
</tr>
<tr>
<td>Permanent highway layout - Area 1 work*</td>
<td></td>
<td>DCO-PP-03X-HAMPS-060018</td>
</tr>
</tbody>
</table>

* Schedules of associated highway works are located in the *Transport Assessment*, which accompanies the application.
London Borough of Hammersmith & Fulham

Hammersmith Pumping Station

Mean low water

Main tunnel

Hammersmith Bridge

Tunnel:
- Local authority boundary
- Order limits
- Shaft

Notes:
1. The alignment of the tunnels are illustrative within limits of deviation.

Datum Newlyn.
Tunnel Datum which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the Mean low water.

Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Mean low water.

For Information

Location
Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Application for Development Consent
Location plan
Book of plans - section 6
DCG-PP-03X-HAMPS-060001
January 2013

Thames Tideway Tunnel
Thames Water Utilities Ltd 2008

Key:
- Local authority boundary
- Order limits
- Shaft

Scale 1:2500 at A1
1:5000 if reproduced at A3

For information

London Borough of Richmond Upon Thames

Thames Water Utilities Ltd 2008

Keyplan:
Survey licence number 100019345
Database right 2012. All rights reserved. Ordnance Survey on behalf of HMSO. © Crown Copyright and Mapping reproduced by permission of Ordnance Survey.
Key:

- Limits of land to be acquired or used
- Existing levels (shown in metres above tunnel datum)
- Existing trees within surveyed area (trunk sizes vary)
- Thames Water access

Notes:

1. All dimensions and levels are approximate.
2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the topographic survey base, both of which have been used in the preparation of this drawing.

Location:
Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Document Information
Application for Development Consent

FOR INFORMATION
FOR APPROVAL

Location
Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Document Information
Application for Development Consent
Demolition and site clearance

Book of plans - section 6
DCG-PP-33X-HAMPS-060034
January 2013

Hamnersmith Pumping Station
Chancellor’s Road

FOR APPROVAL

Demolition of this section of boundary wall to be conducted from the pumping station side of the compound boundary

2.8m high solid precast concrete panel wall

2.8m high solid blockwork wall with piers replaced with fence

Tree to be removed by others as part of mixed use development

Tree to be removed by others as part of mixed use development

This length of wall to be retained once inspection confirms it would remain stable following removal of adjacent wall

Notes:
1. Minor items to be removed (e.g. barriers, bollards etc.) are not shown.
2. General activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.

Key:
- Limits of land to be acquired or used (LLAU)
- Trees to be removed
- Above ground structures to be removed
- Structure to be removed and relocated or reinstated

Scale 1:400 if reproduced at A3
1:200 if reproduced at A1
Table 1

<table>
<thead>
<tr>
<th>Above ground permanent structure</th>
<th>Maximum height above finished ground level (Minimum heights are in brackets where applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation structure(s)</td>
<td>4.5m</td>
</tr>
<tr>
<td>Ventilation column(s) serving the interception chamber</td>
<td>9m (8.5m)</td>
</tr>
<tr>
<td>Ventilation column(s) and ventilation structure(s) serving the inlet of the pumping station</td>
<td>9m (9m)</td>
</tr>
<tr>
<td>Replacement screen house</td>
<td>9.5m</td>
</tr>
</tbody>
</table>

Notes:
1. All dimensions and levels are approximate.
2. The Site Works Parameter Key Plan identifies each zone independently.
3. The zone within which the shaft would be located would include all permanent works including shaft walls (including appropriate allowances for construction tolerances) and if applicable under-reaming. Shaft construction temporary works may be located within or outside this zone provided they are located within the Limits of land to be acquired or used.
4. The Site Works Parameter Key Plan identifies each zone independently.
5. All dimensions and levels are approximate.
6. The shaft would be located would include all permanent works including shaft walls (including appropriate allowances for construction tolerances) and if applicable under-reaming. Shaft construction temporary works may be located within or outside this zone provided they are located within the Limits of land to be acquired or used.

Key:
- Limits of land to be acquired or used (LLAU)
- Zone within which permanent site structure would be located
- Zone within which the shaft would be located
- Zone within which permanent above-ground structures would be located

Notes:
1. All dimensions and levels are approximate.
2. The Site Works Parameter Key Plan identifies each zone independently.
3. The zone within which the shaft would be located would include all permanent works including shaft walls (including appropriate allowances for construction tolerances) and if applicable under-reaming. Shaft construction temporary works may be located within or outside this zone provided they are located within the Limits of land to be acquired or used.

FOR APPROVAL

Location:
Hamermsh Pumping Station
London Borough of Hammersmith & Fulham

Application:
Application for Development Consent
Site works parameter plan

Book of plans - section 6
DCO-PP-03X-HAMPS-060005
January 2013

Thames Tideway Tunnel
Creating a clean healthy river Thames
ILUSTRATIVE

Table of Plans

Proposed Site features plan

Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Document Information

Application for Development Consent

Key:
1. Limits of land to be acquired or used
2. Zone within which permanent above ground structures would be located
3. Existing trees shown in metres above tunnel datum
4. Consent development footprint
5. Existing trees within surveyed area

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the parameters marked on the drawings. Any variation between the Ordnance Survey base and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the parameters marked on the drawings. Any variation between the Ordnance Survey base and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the parameters marked on the drawings. Any variation between the Ordnance Survey base and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the parameters marked on the drawings.

10m
0
10m

Scale 1:200 at A1
1:400 if reproduced at A3

Data to the scale of the ventilation structure(s) which is indicative

Location

Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Ground Structures

Existing trees within surveyed area

Footprint of proposed development "Boulevard" (Plan)

Location of mixed-use development "Boulevard"

Existing trees to be removed by others as part of mixed-use development

New planted brown roof to existing Venturi building and ventilation structure

New concrete boundary wall to match existing precast concrete wall

New boundary wall / fence

Existing wall and railings - May retain fencing

Hammarsmith Pumping Station

Existing rails

Pedestrian fencing

Existing trees to be removed by others as part of mixed-use development

2m wide ventilation structure with brown roof. Minimum height to align with existing ventilation structure 4.5m high

Maximum footprint of ventilation structure

Footprint of proposed ventilation structure (shown in metres above tunnel datum) on 22.12.2011

Access to ventilation structure on east elevation

New planted brown roof to existing Venturi building and ventilation structure

Existing Venturi building

New Boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No ventilation structure

Ventilation structure on east elevation

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure

Existing boundary

Existing boundary

Maximum height

Minimum to 9m

Columns of 8.5m

6 No. ventilation structure
1. All dimensions and levels are approximate.
2. The purpose of this section is to show the scale of the below ground infrastructure to be provided.

Notes:

- Shaft cover incorporated into mixed-use landscaping scheme
- Interception Chamber
- Shaft cover incorporated into mixed-use landscaping scheme
- Connection tunnel to main tunnel
- Dashed line shows mixed-use development notionally

Diagram:

- Existing Hammersmith Pumping Station Building
- Existing pumping station inlet
- Existing pumping station inlet
- Interception Chamber
- Shaft cover incorporated into mixed-use landscaping scheme
- Connection tunnel to main tunnel
- Existing Hammersmith Pumping Station Building
- Existing pumping station inlet
- Shaft cover incorporated into mixed-use landscaping scheme

Scale: 1:200 at A1
1:400 if reproduced at A3

City of London Borough of Hammersmith & Fulham

Thames Tideway Tunnel
Creating a Cleaner Waterway for London

January 2013

Application for Development Consent
Section AA

Book of plans - section 6
DCC-PP-33X-HAMPS-000098

Thames Water Utilities Ltd 2008

Key plan:

This drawing

Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.
As Existing North elevation

Proposed North elevation

Notes:
1. All dimensions and levels are approximate.
ILUSTRATIVE

Location
Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Application for Development Consent
Construction phases - phase 1
Site setup, shaft construction & tunnelling
Book of plans - section 6
DCG-PP-P33X-HAMPS-000013
January 2013

Thames Tideway Tunnel
Creating London’s Living River Thames

Notes:
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay out differently during construction depending on their preferred construction methods adopted to any control on layout imposed through the planning submission and approval process.

2. Traffic management plans for construction phases of the works will be submitted to the appropriate authority for approval. Where appropriate, outline traffic management arrangements are shown.

3. Utility supplies for the construction of the works would be agreed with the relevant utility company.

4. Additional noise mitigation including noise barriers may be required but is not shown on this drawing.
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed through the planning submission and approval process.
2. Traffic management plans for construction phases - phase 2 are shown. Where appropriate, outline traffic management arrangements are shown.
3. Utility supplies for the construction of the works would be agreed with the relevant utility company.
4. Additional noise mitigation including noise barriers may be required but is not shown on this drawing.
On Street Parking

Shared use (1) - Mon - Sat 8:30am - 6:30pm Permit holders A or pay and display max stay 4 hours

Shared use (2) - Permit holders T or pay at meter. Display ticket. 8 hour limit.

Shared use (3) - Mon - Fri 9:00am - 5:00pm Permit holders H or pay at meter. Display ticket.

Standards

- Design Manual For Roads And Bridges, Dft, 1992
- Traffic Signs Regulations & General Directions, Tso, 2002
- Manual For Streets, Dft, 2007
- Manual For Streets 2, Dft, 2010
- Design Of Pedestrian Crossings Ltn 2/95, Dft, 1995
- Guidance For The Use Of Tactile Paving, Dft, 1998
- Accessible Bus Stop Design Guidance, Tfl, 2006

ILUSTRATIVE

Location

Hammersmith Pumping Station
London Borough of Hammersmith & Fulham

Document Information

Application for Development Consent
Highway layout during construction (Area 1)

DCCD-PP-03X-HAMPS-000017
January 2013
This page is intentionally left blank