Application for Development Consent

Application Reference Number: WWO10001

Book of Plans

Doc Ref: 2.23
Deptford Church Street

APFP Regulations 2009: Regulation 5(2)(k), (o)

Thames Tideway Tunnel
Thames Water Utilities Limited

Application for Development Consent

Application Reference Number: WWO10001

Book of Plans

Doc Ref: 2.23
Deptford Church Street

APFP Regulations 2009: Regulation 5(2)(k), (o)
This page is intentionally left blank
## Application for Development Consent: Book of Plans

### List of Volumes

<table>
<thead>
<tr>
<th>Box</th>
<th>Folder/Volume</th>
<th>Section</th>
<th>Location</th>
<th>Drawing type or site location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>1</td>
<td>Project-wide drawings</td>
<td>Works plan and sections</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>2</td>
<td>Project-wide drawings</td>
<td>Land acquisition plans</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>3</td>
<td>Project-wide drawings</td>
<td>Land plans</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>4</td>
<td>Project-wide drawings</td>
<td>Crown and special category land plans</td>
</tr>
<tr>
<td>61</td>
<td></td>
<td>5</td>
<td>Site drawings</td>
<td>Acton Storm Tanks</td>
</tr>
<tr>
<td>61</td>
<td></td>
<td>6</td>
<td>Site drawings</td>
<td>Hammersmith Pumping Station</td>
</tr>
<tr>
<td>61</td>
<td></td>
<td>7</td>
<td>Site drawings</td>
<td>Barn Elms</td>
</tr>
<tr>
<td>61</td>
<td></td>
<td>8</td>
<td>Site drawings</td>
<td>Putney Embankment Foreshore</td>
</tr>
<tr>
<td>61</td>
<td></td>
<td>9</td>
<td>Site drawings</td>
<td>Carnwath Road Riverside</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>10</td>
<td>Site drawings</td>
<td>Dormay Street</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>11</td>
<td>Site drawings</td>
<td>King George’s Park</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>12</td>
<td>Site drawings</td>
<td>Falconbrook Pumping Station</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>13</td>
<td>Site drawings</td>
<td>Cremorne Wharf Depot</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>14</td>
<td>Site drawings</td>
<td>Chelsea Embankment Foreshore</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>15</td>
<td>Site drawings</td>
<td>Kirtling Street</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>16</td>
<td>Site drawings</td>
<td>Heathwall Pumping Station</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>17</td>
<td>Site drawings</td>
<td>Albert Embankment Foreshore</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>18</td>
<td>Site drawings</td>
<td>Victoria Embankment Foreshore</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>19</td>
<td>Site drawings</td>
<td>Blackfriars Bridge Foreshore</td>
</tr>
<tr>
<td>4</td>
<td>62</td>
<td>20</td>
<td>Site drawings</td>
<td>Shad Thames Pumping Station</td>
</tr>
<tr>
<td>4</td>
<td>62</td>
<td>21</td>
<td>Site drawings</td>
<td>Chambers Wharf</td>
</tr>
<tr>
<td>4</td>
<td>62</td>
<td>22</td>
<td>Site drawings</td>
<td>Earl Pumping Station</td>
</tr>
<tr>
<td>4</td>
<td>62</td>
<td>23</td>
<td>Site drawings</td>
<td>Deptford Church Street</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>24</td>
<td>Site drawings</td>
<td>Greenwich Pumping Station</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>25</td>
<td>Site drawings</td>
<td>King Edward Memorial Park Foreshore</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>26</td>
<td>Site drawings</td>
<td>Bekesbourne Street</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>27</td>
<td>Site drawings</td>
<td>Abbey Mills Pumping Station</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>28</td>
<td>Site drawings</td>
<td>Beckton Sewage Treatment Works.</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>29</td>
<td>Project-wide drawings</td>
<td>Ventilation columns</td>
</tr>
</tbody>
</table>

*This volume is Volume 5*
<table>
<thead>
<tr>
<th>Drawing Title</th>
<th>Sheet No.</th>
<th>Drawing number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section 23: Deptford Church Street</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location plan</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230001</td>
</tr>
<tr>
<td>As existing site features plan</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230002</td>
</tr>
<tr>
<td>Access plan</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230003</td>
</tr>
<tr>
<td>Demolition and site clearance</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230004</td>
</tr>
<tr>
<td>Site works parameter plan</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230005</td>
</tr>
<tr>
<td>Site works parameter key plan</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230006</td>
</tr>
<tr>
<td>Permanent works layout</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230007</td>
</tr>
<tr>
<td>Proposed landscape plan</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230008</td>
</tr>
<tr>
<td>Section AA</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230009</td>
</tr>
<tr>
<td>As existing and proposed east elevation</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230010</td>
</tr>
<tr>
<td>As existing and proposed south elevation</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230011</td>
</tr>
<tr>
<td>Kiosk design intent</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230012</td>
</tr>
<tr>
<td>Construction phases - phase 1 Site setup and shaft construction</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230013</td>
</tr>
<tr>
<td>Construction phases - phase 2 Construction of other structures</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230014</td>
</tr>
<tr>
<td>Highway layout during construction - Phase 1*</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230017</td>
</tr>
<tr>
<td>Highway layout during construction - Phase 2*</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230018</td>
</tr>
<tr>
<td>Permanent highway layout*</td>
<td></td>
<td>DCO-PP-22X-DEPCS-230019</td>
</tr>
</tbody>
</table>

* Schedules of associated highway works are located in the *Transport Assessment*
FOR INFORMATION

Application for Development Consent

Described as existing

Site features plan

Book of plans - section 23

DCO-PP-22X-DEPCS-230002

January 2013

Notes:

1. All dimensions and levels are approximate.

2. Any discrepancy between the locations 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 the drawing.

Sue Godfrey Nature Reserve

Leisure Centre

St. Joseph's RC Primary School

Wavelengths

Hammer head vehicle turning

Boundary wall

Pedestrian access only

Pedestrian accessing

Site fence

COFFEE STREET

Entry in to the main church wall

The main church wall

+ 105.67m

+ 105.64m

+ 105.86m

+ 106.03m

Late 19th century wall 2.2m high

Existing levels

Existing trees within surveyed area (trunk sizes vary)

Entry in to commercial units

Commercial unit in early arch

Gated entrance

Gated entrance

Pedestrian crossing

Low fence to church

Low level

Crossing

Primary School

Railway

Commercial units

+ 105.40m

Listed buildings/structures

(LLL)U

Limits of land to be acquired or used

(shown in metres above tunnel datum)

Dates:

1. 105 APR

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 the drawing.
Datum Newlyn.

Tunnel Datum which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the Coordinates are to be Ordance Survey Datum 1936. All activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.

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.
Above ground permanent structure

<table>
<thead>
<tr>
<th>Maximum height above finished ground level (Minimum heights are in brackets where applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Above ground permanent structure</td>
</tr>
<tr>
<td>Maximum height above finished ground level (Minimum heights are in brackets where applicable)</td>
</tr>
<tr>
<td>Ventilation column(s) serving the shaft</td>
</tr>
<tr>
<td>8.0m (6.0m)</td>
</tr>
<tr>
<td>Ventilation column(s) serving the interception chamber</td>
</tr>
<tr>
<td>6.0m</td>
</tr>
<tr>
<td>Electrical and control kiosk(s) and ventilation column(s) serving the shaft</td>
</tr>
<tr>
<td>3.0m (2.8m)</td>
</tr>
</tbody>
</table>

Table 2

| Above ground permanent structure                                                                 |
| Maximum plan dimension (Minimum in brackets where applicable)                                  |
| Length 8.0m (6.0m)                                                                            |
| Width 5.0m (2.3m)                                                                             |

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 excluding shaft walls (including appropriate allowances for construction tolerances) and if applicable would be located within the Limits of land to be acquired or used.
4. The Zone within which works may be located within or outside the Zone provided they are located within the Limits of land to be acquired or used.
5. The Zone within which landscaping would be located
6. Key:
   - Limits of land to be acquired or used (LAU)
   - Zone within which all permanent site structures would be located
   - Zone within which the shaft would be located
   - Zone within which permanent above ground structures would be located (those listed in Table 1)
   - Zone within which required landscaping would be located
7. Keyplan:
   - datum Newlyn.
   - OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.
8. 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.
9. Mapping reproduced by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and Database right 2012. All rights reserved. Ordnance Survey Licence number 10201/9434.
The zone within which the shaft would be located would include all permanent works including shaft walls (including appropriate allowances for 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.

Zone within which permanent above ground structures would be located.

Zone within which ventilation column(s) serving the shaft would be located.

Zone within which required landscaping would be located.

1. All dimensions and levels are approximate.
2. The Site Works Parameter Key Plan identifies each zone independently. The zones are identical to those shown on the Site works parameter plans.
3. The zone within which the shaft would be located would include all permanent works including shaft walls (including appropriate allowances for 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 all permanent site structures would be located
- Zone within which the shaft would be located
- Zone within which permanent above ground structures would be located
- Zone within which required landscaping would be located

Notes:
- Key:
- Datum Newlyn.
- Tunnel Datum which is 100 metres below Ordnance Datum which is 100 metres below Ordnance Datum OSGB36. All levels are in metres and relate to the Ordnance Datum which is 100 metres below Ordnance Datum Newlyn.

Keyplan:
- Survey licence number 100019345
- Database right 2012. All rights reserved. Ordnance Survey on behalf of HMSO. © Crown Copyright and Database right 2012. All rights reserved. Ordnance Survey licence number 100019345

FOR INFORMATION

Location:
Deptford Church Street
London Borough of Lewisham

Document Information:
Application for Development Consent
Site works parameter key plan
Book of plans - section 23
DCO-PP-22X-DEPCS-230006
January 2013

Thames Tideway Tunnel
Creating a better flowing River Thames

January 2013

Scale 1:2000 if reproduced at A3
1:1000 if reproduced at A1

1m = 100mm

© Thames Water Utilities Ltd 2008
Location
Deptford Church Street
London Borough of Lewisham

Document Information
Application for Development Consent
Section AA

Book of plans - section 23
DCD-PP-23X-DEPCS-230009
January 2013

ILLUSTRATIVE

Section AA

Connection tunnel to Earl Pumping Station
Connection tunnel to Greenwich Pumping Station

St Paul's Church

Gated community gardens

GSO drop shaft

Ventilation
Column 6m high

New green feature screen

Connection culvert
Existing sewer

Interception and valve chamber

Notes:
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.

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.

Datum Newlyn.

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

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

Notes:
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.
Deptford Church Street Community Gardens

As existing East elevation

- As proposed East elevation

Notes:
1. All dimensions and levels are approximate.
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any constraints or layout imposed through the planning submission and approval process.

2. Traffic management plans for construction phases of the work would 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.
Proposed Highway layout during construction

Key
- Existing
- On street parking
- Bus stop / stand
- Bus lane
- Cycle lane / advance stop line
- Cycle level / advance stop bay

- Revised
- L.U.A.
- Removal of footway / central reserve / pedestrian refuge
- Suspended on street parking
- Temporary pedestrian area
- The schedule of works
- Hoarding line
- Site fences
- Temporary parking restrictions
- Visibility splay - 2.4m x 43m (ssd adjust for bonnet length)
- Temporary trafficway

Existing
- On street parking
- Bus stop / stand
- Bus lane
- Cycle lane / advance stop line

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

APPLICATION FOR DEVELOPMENT CONSENT

Location
Deptford Church Street

London Borough of Lewisham

Document information
Application for Development Consent
Highway layout during construction Phase 1

DCO-PP-ZZ-DEPC0-230017
January 2013

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancy between the locations of structures and the parameters marked on the drawing are due to differences between the ordnance survey base and the topographical base, both of which have been used in the preparation of this drawing.
ILLUSTRATIVE

Location
Deptford Church Street
London Borough of Lewisham

Document Information
Application for Development Consent
Highway layout during construction
Phase 2
DCG-PP-22A-DEPCS-230018
January 2013

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancy between the locations of structures and the parameters marked on the drawing are due to differences between the ordnance survey base and the topographical base, both of which have been used in the preparation of this drawing.

Standards:
- Design manual for roads and bridges, Dft, 1992
- Traffic signs regulations & general directions, TSO, 2002
- Traffic signs manual, Dft, 2006
- Manual for streets, Dft, 2007
- Manual for streets 2, Dft, 2013
- Designing for delivery, Pa, 1998
- Cycle infrastructure design (CR 230B), DfT, 2006
- Design of pedestrian crossings (CR 230C), DfT, 1995
- Guidance for the use of tactile paving, Oct, 1996
- Accessible bus stop design guidance, TfL, 2006

Stage
Construction phase

Key:
- Existing
- On street parking
- Bus stop / island
- Bus lane
- Pedestrian crossing
- Cycle lane / advance stop line

Revised:
- L.A.U.
- Removal of footway / central reserve / carriageway / verge

Site areas:
- Suspended on street parking
- Retracted pedestrian crossing
- Suspended pedestrian crossing
- Temporary pedestrian areas
- Suspended bus stop / bus lane
- Temporary bus stop
- See schedule of works
- Temporary footway

Temporary footway

Scale 1:500 at A1
1:1000 if reproduced at A3

© Crown Copyright and Database right 2012. All rights reserved. Ordnance Survey licence number 100019345

Mapping reproduced by permission of Ordnance Survey on behalf of HMSO.