Book of Plans

Doc Ref: 2.14
Chelsea Embankment Foreshore

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

Hard copy available in
Box 61 Folder C
January 2013
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# Application for Development Consent: Book of Plans

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

This volume is Volume 3
<table>
<thead>
<tr>
<th>Drawing Title</th>
<th>Sheet No.</th>
<th>Drawing number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section 14: Chelsea Embankment Foreshore</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location plan</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140001</td>
</tr>
<tr>
<td>As existing site features plan</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140002</td>
</tr>
<tr>
<td>Access plan</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140003</td>
</tr>
<tr>
<td>Demolition and site clearance</td>
<td>1 of 2</td>
<td>DCO-PP-12X-CHEEF-140004</td>
</tr>
<tr>
<td>Demolition and site clearance</td>
<td>2 of 2</td>
<td>DCO-PP-12X-CHEEF-140005</td>
</tr>
<tr>
<td>Site works parameter plan</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140006</td>
</tr>
<tr>
<td>Site works parameter key plan</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140007</td>
</tr>
<tr>
<td>Permanent works layout 1 of 2</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140008</td>
</tr>
<tr>
<td>Permanent works layout 2 of 2</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140009</td>
</tr>
<tr>
<td>Proposed landscape plan 1 of 2</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140010</td>
</tr>
<tr>
<td>Proposed landscape plan 2 of 2</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140011</td>
</tr>
<tr>
<td>Section AA</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140012</td>
</tr>
<tr>
<td>As existing and proposed south (river) elevation</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140013</td>
</tr>
<tr>
<td>As existing and proposed west elevation</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140014</td>
</tr>
<tr>
<td>Proposed east elevation</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140015</td>
</tr>
<tr>
<td>Proposed north elevation</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140016</td>
</tr>
<tr>
<td>Kiosk design intent</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140017</td>
</tr>
<tr>
<td>Typical river wall design intent</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140018</td>
</tr>
<tr>
<td>Construction phases - phase 1 Site setup</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140019</td>
</tr>
<tr>
<td>Construction phases - phase 2 Shaft construction and tunnelling</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140020</td>
</tr>
<tr>
<td>Construction phases - phase 3 Construction of other structures</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140021</td>
</tr>
<tr>
<td>Construction phases - phase 4 Site demobilisation</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140022</td>
</tr>
<tr>
<td>Highway layout during construction (Utility diversion phase)*</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140027</td>
</tr>
<tr>
<td>Highway layout during construction - Phase 1 - 2*</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140028</td>
</tr>
<tr>
<td>Highway layout during construction - Phase 3*</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140029</td>
</tr>
<tr>
<td>Highway layout during construction - Bull ring resurfacing*</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140030</td>
</tr>
<tr>
<td>Permanent highway layout*</td>
<td></td>
<td>DCO-PP-12X-CHEEF-140031</td>
</tr>
</tbody>
</table>

* Schedules of associated highway works are located in the Transport Assessment
# Chelsea Embankment Foreshore

## Access Plan

**Application for Development Consent**

**Access Plan**

**Book of plans - section 14**

**DCG-PP-13X-CHEEF-140003**

**January 2013**

### Notes:

1. This plan does not show stopping up and diversions of limited duration (e.g. hoarding, fencing, minor utility diversions and minor highway works).
2. Only rights of way in or close to worksites are shown. The full extents of rights of way are not shown where they cease to be relevant to the project.
3. The plans of the construction site access would be moved from time to time within this length of frontage to enable construction of development.
Mean High Water

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

Coordinates are to Ordnance Survey Datum ODN90. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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

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.

Sheet Layout
- Sheet 1 of 2
- DCO-PP-12X-CHEEF-140004
- January 2013

FOR APPROVAL

Chelsea Embankment Foreshore
Royal Borough of Kensington & Chelsea

Document Information
Application for Development Consent
Demolition and site clearance
Sheet 1 of 2
Book of plans - section 14
DCD-PP-12X-CHEEF-140004
January 2013

Thames Tideway Tunnel
Creating a better facility for West Thames

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Key:
- /\: Structure to be removed and relocated or reinstated
- : Trees to be removed
- : Trees to be pruned
- /": Allow above ground structures to be removed
- : Structure to be removed and relocated or reinstated

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.

Sheet Layout
- Sheet 1
- Sheet 2

Legend
- Chelsea Embankment Foreshore

FOR APPROVAL

Document Information
- Chelsea Embankment Foreshore
- Royal Borough of Kensington & Chelsea

Application for Development Consent
- Demolition and site clearance
- Sheet 2 of 2
- Book of plans - section 14
- DCO-PP-12X-CHEEF-140005
- January 2013

Thames Tideway Tunnel
- Creating a Cleaner, healthier River Thames

Datum Newlyn.

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

Coordinates are to be Ordnance Survey Datum ORDN36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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.

FOR APPROVAL

Document Information
- Chelsea Embankment Foreshore
- Royal Borough of Kensington & Chelsea

Application for Development Consent
- Demolition and site clearance
- Sheet 2 of 2
- Book of plans - section 14
- DCO-PP-12X-CHEEF-140005
- January 2013

Thames Tideway Tunnel
- Creating a Cleaner, healthier River Thames
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 column(s) serving the shaft</td>
<td>8.0m (4.0m)</td>
</tr>
<tr>
<td>Ventilation column(s) serving interception and overflow weir chambers</td>
<td>6.0m</td>
</tr>
<tr>
<td>Electrical and control kiosk(s)</td>
<td>1.5m</td>
</tr>
</tbody>
</table>

Notes:
1. All dimensions and levels are approximate.
2. The Site Works Parameter Key Plan identifies the zone within which the shaft and ventilation column(s) serving the shaft would be located.
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.
Coordination 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.

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.
3. The above ground structures in the "Save for the scale of above ground structures which is indicative" statement are those listed in table 1 on the Site scale of above ground structures which is indicative.
4. Access covers not shown on this drawing. Refer to works parameter plan.

Key:
- Limits of land to be acquired or used (LUAU)
- Zone within which permanent above ground structures would be located
- Zone within which required landscaping would be located
- + 105.40m: Maximum extent of foreshore structure
- Proposed levels
- Approximate position of CSO outlet
- Existing levels (shown in metres above tunnel datum)
- Proposed trees
- Existing trees within surveyed area (trunk sizes vary)
- Listed buildings/structures
- Ground structures would be located
- Zone within which required landscaping would be located
- Boundary shown in stone parapet
- Existing pedestrian island relocated east
- Existing level
- Proposed level
- Start of new river wall
- Inter-tidal terrace above Ranelagh interception structure
- Simple stone bench marks end of space without impeding views
- Stone parapet wall
- Ventilation column
- Inter-tidal terrace between embankment and foreshore structure
- 2. No. signature ventilation columns of 6m high
- Start of new river wall
- Existing stone parapet to river wall reinstated along the back of pavement edge
- Fixed ladder access to intertidal terrace for periodic maintenance (to be used in conjunction with portable platform)
- Fixed ladder access to terrace for periodic maintenance to terrace (to be used in conjunction with portable platform)
- Grooves in scuptured paving marks historic axis
- Stone clad electrical and control kiosk 1.5m high marks intervention in existing parapet wall
- New parish boundary marker stone. Boundary marked in stone parapet
- Brick facing to wall peelve out to create raised terrace and blend into new structure
- Inter-tidal terrace above Ranelagh interception structure
- Stone parapet wall
- Mark historic axis
- Grooves in scuptured paving marks historic axis
- Flexible footpath pattern in grey and cream granite sets
- Floral motif pattern in grey pimple paving
- Match low water
- Surface of footway reinstated to match existing (concrete slab / pimple paving)
- Planting
- Brass studs or a flush kerb to define bus stop and car parking spaces
- Entrance to junction with Chelsea Embankment realigned to define space better. An subject to agreement with TFL
- Lamp post and bollards relocated to suit kerb alignment
- Fake sand pattern in grey and cream granite sets
- Match existing (concrete slab / pimple paving)
- Fixed bed planting

ILUSTRATIVE
Save for the scale of above ground structures which is indicative

Chelsea
Chelsea Embankment Foreshore
Royal Borough of Kensington & Chelsea

Application for Development Consent
Proposed Landscape plan sheet 1 of 2
(Reproduced at A3)

Thames Tideway Tunnel
Creating a Unique Foundation for Thames

© Thames Water Utilities Ltd 2008
Keyplan: Survey licence number 100019345
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Database right 2012. All rights reserved. Ordnance Survey licence number 100019345

Datum Newlyn.
Datum Newlyn.

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

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.

2020 flood defence level 105.41m ATD
Mean high water springs 103.91m ATD
Mean low water springs 97.81m ATD
Keyplan

Notes:
1. All dimensions and levels are approximate.

As existing South (river) elevation

Proposed South (river) elevation

ILLUSTRATIVE

Location
Chelsea Embankment Foreshore
Royal Borough of Kensington & Chelsea

Document Information
Application for Development Consent
As existing and proposed South (river) elevation
Book of plans - sections 14
DCG-PP-12X-CH-EFF-149013
January 2013
As existing West elevation

Proposed West elevation

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

Location
Chelsea Embankment Foreshore
Royal Borough of Kensington & Chelsea

Document Information
Application for Development Consent
Proposed
East elevation
Book of plans - section 14
DCG-PP-13X-CHIEE-140115
January 2013

Notes:
1. All dimensions and levels are approximate.
North elevation

Renovated lamp column and parapet.
Renovated lamp column and parapet.
Renovated lamp column and parapet.

Simple stone bench marks end of space without impeding views.
Curved stone parapet incorporated into stone.

2 No. signature ventilation columns of 4m minimum to 8m maximum height.
Stone clad electrical and control kiosk 1.5m high.

Line inscribed on wall on historic area.
2 No. new trees on foreshore structure.

Notes:
1. All dimensions and levels are approximate.
Thames Water Utilities Ltd 2008

Keyplan:
Survey licence number 100019345
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Datum Newlyn. Tunnel Datum which is 100 metres below Ordnance Datum OSGB36. All levels are in metres and relate to the Datum.

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.

Notes:
1. All dimensions and levels are approximate.

Application for Development Consent

104.90

Notes:
1. All dimensions and levels are approximate.

Scale 1:50 if reproduced at A3

Scale 1:50 at A1

Scale 1:50

West kiosk East elevation
Scale 1:50

East kiosk West elevation
Scale 1:50

West kiosk West elevation
Scale 1:50

East kiosk West elevation
Scale 1:50

West kiosk section
Scale 1:50

East kiosk section
Scale 1:50

West kiosk plan
Scale 1:50

East kiosk plan
Scale 1:50

Slight fall on stone roof to shed water

Top of wall raised to incorporate kiosk

Stone parapet wall

Stone parapet wall

Stone parapet wall

Stone parapet wall

Stone parapet wall

Stone parapet wall

Stone parapet wall

Stone parapet wall

PPC metal panel doors with architectural louvres as required

PPC metal panel doors with architectural louvres as required

PPC metal panel doors with architectural louvres as required

PPC metal panel doors with architectural louvres as required

PPC metal panel doors with architectural louvres as required

PPC metal panel doors with architectural louvres as required

Nova Borough of Kensington & Chelsea
Chelsea Embankment Foreshore

Book of plans - section 14
DCG PP-13X-CHEEF-149017
January 2013

Steine Tideway Tunnel
Creating a Sustainable River Thames

Kiosk design intent

ILLUSTRATIVE
Save for the scale of the kiosk which is indicative
Notes:
1. All dimensions and levels are approximate.

South elevation
Scale 1:50

Isometric

Granite paving

Sandwiched between existing brick wall

Existing granite paving to match existing granite coping

 existing brick wall

Rip-rap as required

Metal pipes to flood inter-tidal habitat from below and extend to prevent uneven staining of wall

Rip-rap as required

Brick wall to match existing

Substructure shown notionally

Brick coping height to match top of existing brick wall

Brick wall to match existing

Substructure shown notionally

MLW 97.81m ATD

MLW 103.91m ATD

MLW 104.90m ATD

MLW 104.60m ATD

MLW 106.00m ATD

MLW 106.00m ATD

MHW 97.81m ATD

MHW 103.91m ATD

MHW 104.90m ATD

MHW 104.60m ATD

MHW 106.00m ATD

1m 0 4m

Scale 1:50 at A1
1:100 if reproduced at A3

ILLUSTRATIVE

Chelsea Embankment Foreshore
Royal Borough of Kensington & Chelsea

Application for Development Consent
Typical river wall design intent

Book of plans - section 14
DCG-PF-13X-CHEEF-140018
January 2013
This drawing

ILUSTRATIVE

Notes:

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 controls on 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 the drawing.

5. Gate position to refer to site construction progress.

6. Existing flood defence levels to be maintained at all times.

Key:

- Limits of land to be acquired or used (LLAU)
- Hoarding
- Maximum extent of working area
- Existing public right of way
- Route of temporary diversion of right of way
- Site access
- Access / haul route
- Existing sewers
- Sheet piles

Datum Newlyn.

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

Coordinates are to be Ordnance Survey Datum ODN2000. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

<table>
<thead>
<tr>
<th>Datum Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for Development Consent</td>
</tr>
</tbody>
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Chelsea Embankment Foreshore
Royal Borough of Kensington & Chelsea

Book of plans - section 14
OCR-PF-12C-ChEEF-140016
January 2013

Thames Tideway Tunnel
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 method subject to any controls or legal imposed through the planning application and approved process.

2. Traffic management plans for construction phases of the work would be submitted to the appropriate authority for approval.

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.

5. Gate positions to alter to suit construction progress. Where appropriate,ductive traffic management arrangements are shown.

6. Existing flood defence levels to be maintained on this drawing.

7. Barriers may be required but is not shown.
Existing highway layout

Proposed highway layout during construction

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, TSRGD, 2012
- Traffic signs manual, DfT, 2006
- Designing for deliveries, FTA, 1998
- Cycle infrastructure design LTN 2/08, DfT, 2008
- 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

Document Information
Application for Development Consent
Highway layout during construction
Phase 1 - 2
DCC-PPP-12X-CH01L-145028
January 2013

Chelsea Embankment Foreshore
RB Kensington and Chelsea

3.1000:1 reproduced at A3

Key:
- Existing
- Revised
- Site access point
- Site hoarding
- On street parking
- Bus stop / stand
- Pedestrian crossing
- Traffic barrier
- Site hoarding
- See schedule of works
- 1:1000 if reproduced at A3
- 1:500 at A1

Permit holder
permit holders only
mon - fri 8:30am - 10.00pm
sat - 8.30am - 1.30pm

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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.

Key:
- Existing
- On street parking
- Bus stop / stand
- Pedestrian crossing
- Revised
  - L.U.A.
  - Site hoarding
  - Temporary pedestrian crossing
  - Bus stops on-site manoeuvring zone
  - Traffic barrier
  - Site access point

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, DT, 1992
- Traffic signs regulations & general directions, TSO, 2002
- Traffic signs manual, DT, 2006
- Manual for ionisers 2, CRT, 2010
- Designing for delivery, Fa, 1998
- Cycle infrastructure design Lin-2058, Di, 2008
- Design of pedestrian crossings Lin-2059, CRe, 1998
- Guidance for the use of tactile paving, Di, 1998
- Accessible bus stop design guidance, Tl, 2005

Stage:
Construction phases

Legend:
Chelsea Embankment Foreshore
RB Kensington and Chelsea

Document Information:
Application for Development Consent
Highway layout during construction Phase 3
DCC-IP-12X-CHIEF-140029
January 2013
Notes
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Key
Existing
- On street parking
- Bus stop / stand
- Pedestrian crossing

Revised

Existing
- See schedule of works
- Temporary pedestrian crossing
- Temporary traffic barrier
- Site access point
- Temporary parking restriction
- Temporary bus stop restriction
- Removed pedestrian crossing

On street parking
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Standards
- Design manual for roads and bridges, DoT, 1992
- Traffic signs regulations & general directions, TSO, 2002
- Manual for streets, DoT, 2007
- Designing før deliveries, FTA, 1998
- Cycle infrastructure design LTN 2/08, DoT, 2008
- Design of pedestrian crossings LTN 2/95, DoT, 1995
- Guidance for the use of tactile paving, DoT, 1998
- Accessible bus stop design guidance, TfL, 2006

Stage
Construction phases

ön strasse

Illustrative

Chelsea Embankment Foreshore
RB Kensington and Chelsea

Document Information
Application for Development Consent
Highway layout during construction
Building resurfacing

DCO-PP-12X-CHEEF-140310
January 2013

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.

Mean high water

CHEEF_C07
CHEEF_C08
CHEEF_C09
CHEEF_C10

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Standards
- Design manual for roads and bridges, DoT, 1992
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- Manual for streets, DoT, 2007
- Designing for deliveries, FTA, 1998
- Cycle infrastructure design LTN 2/08, DoT, 2008
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