Application for Development Consent
Application Reference Number: WWO10001

Book of Plans
Doc Ref: 2.18
Victoria Embankment Foreshore
APFP Regulations 2009: Regulation 5(2)(k), (6)

Hard copy available in
Box 62 Folder A
January 2013
## Application for Development Consent: Book of Plans

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* Schedules of associated highway works are located in the Transport Assessment.
Location: Victoria Embankment foreshore, City of Westminster
Document Information: Application for Development Consent

FOR INFORMATION

- Victoria Embankment Gardens
- Sturgeon lamp posts
- Metal stairs to ramp structures over flood defence wall
- Canopy over access brow
- Metal stairs to ramp structures over flood defence wall
- Coach parking bays to be temporarily suspended
- Existing sphinx bench to be removed and stored during construction
- Sturgeon lamp posts to be permanently removed / returned to Westminster City Council for use elsewhere
- Parapet of wall temporarily removed and stored
- Existing sphinx bench to be removed and stored during construction
- Service mooring to be removed permanently
- Taylors Castle floating bar & restaurant to be relocated permanently to nearby position

Key:
- Limits of land to be acquired or used (LLAU)
- Authorised channel
- +105.40m: Existing levels (shown in metres above tunnel datum)
- Listed buildings / structures
- Approximate position of CSO outlet
- Existing trees within surveyed area (funk sizes vary)
- Maximum temporary extent of loss of listed buildings / structures
- Maximum permanent extent of loss of listed buildings / structures

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.

Scale 1:200 at A1
1+005 if reproduced at A3

This drawing is a true, full-size and comprehensive layout of the proposed development, as per the application for development consent. It includes all necessary details for the construction and future use of the proposed structures.

FOR INFORMATION:

- Victoria Embankment foreshore
- City of Westminster
- Application for Development Consent
- As existing
- Landscape plan sheet 1 of 2

(Additional details and references regarding the application and specific requirements are provided in the accompanying documentation.)
Location: Victoria Embankment Foreshore
City of Westminster

FOR INFORMATION

Application for Development Consent
As existing
Landscape plan sheet 2 of 2
Book of plans - section 18
DCO-PP-16X-VCTEF-180004
January 2013

Sheet Layout:

Sheet 1
Sheet 2

Notes:
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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.
3. Coordinates are to be Ordnance Survey Datum 1936. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Survey Datum Newlyn.
4. Limits of land to be acquired or used (LLU).
5. Authorised channel.
6. Listed buildings/structures within LLAU.
7. Existing trees within surveyed area (trunk sizes vary).
8. Listed embankment wall including steamer pier, sturgeon lamp posts and catenary lamp posts along roadside.
10. Service mooring to be removed permanently.
11. Existing sphinx bench to be removed and stored during construction.
12. Existing sphinx bench to be removed and stored during construction.

FOR INFORMATION

Victoria Embankment Foreshore
City of Westminster

Application for Development Consent
As existing
Landscape plan sheet 2 of 2
Book of plans - section 18
DCO-PP-16X-VCTEF-180004
January 2013

Sheet Layout:

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FOR INFORMATION

Victoria Embankment Foreshore
City of Westminster

Application for Development Consent
As existing
Landscape plan sheet 2 of 2
Book of plans - section 18
DCO-PP-16X-VCTEF-180004
January 2013

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FOR INFORMATION

Victoria Embankment Foreshore
City of Westminster

Application for Development Consent
As existing
Landscape plan sheet 2 of 2
Book of plans - section 18
DCO-PP-16X-VCTEF-180004
January 2013

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12. Existing sphinx bench to be removed and stored during construction.
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.

ILLUSTRATIVE

Location
Victoria Embankment Foreshore
City of Westminster

Document Information
Application for Development Consent
Section AA
Book of plans - section 18
DCG-PP-16X-VCETF-18024
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier river Thames
As existing river elevation

Proposed river elevation

Notes:
1. All dimensions and levels are approximate.
As existing river elevation

Proposed river elevation

Key:
- Maximum temporary extent of loss of listed buildings / structures
- Maximum permanent extent of loss of listed buildings / structures

Notes:
1. All dimensions and levels are approximate.
2. Drawing to be read in conjunction with conservation statement.
Notes:
1. All dimensions and levels are approximate.

District Line Tunnel

- 2020 flood defence level 105.41m ATD
- Mean high water springs 103.8m ATD
- Mean low water springs 97.5m ATD

As existing South elevation

Proposed South elevation

Location
Victoria Embankment Foreshore
City of Westminster

Application for Development Consent
As existing and proposed
South elevation
Book of plans - section 16
DCG-PF-184-VCTEF-180107
January 2013

ILLUSTRATIVE
** ILLESTIVE **

**Location:**
Victoria Embankment Foreshore
City of Westminster

**Application for Development Consent:**
As existing and proposed
Detailed south elevation

**Document Information:**
DCO-PP-16X-VCTEF-180018
January 2013

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

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**Mean low water springs:** 97.5m ATD

**Mean high water springs:** 103.9m ATD

**2020 flood defence level:** 105.41m ATD

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**As existing South elevation**

- Embankment Gardens
- Victoria Embankment
- Hungerford Rail and Golden Jubilee footbridges

**Proposed South elevation**

- Access brow with canopy
- Listed sturgeon lamp posts in tilled embankment wall
- Kentish Town tunnel
- Northern Low Level Sewer No. 1
- Cast iron caisson
- Pipe subway
- District Line tunnel

**For further structure:**
- Foreshore structure steps down to offer river views
- Horizontal grooves mark main levels
- Open balustrade
- Sunmark river levels

**Amenity kiosk:**
- 4m high, suggested commercial kiosk shown with pergola above
- Semi-mature London Plane tree

**Forestore structure:**
- 2 No. signature ventilation columns 4m minimum to 8m maximum height

**London Plane:**
- Semi-mature
- London Plane tree

**Cast iron caisson:**
- Trees shown with pergola above
- Suggested commercial kiosk

**Amenity kiosk:**
- 4m high, in listed embankment wall
- Listed sturgeon lamp posts

**Canopy:**
- Access brow with canopy

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

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**Datum:**
- Newlyn

**Tunnel Datum:**
- Which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the

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**Notes:**

1. All dimensions and levels are approximate.
As existing West elevation

- Entrance structure to Tattershall Castle
- Lightweight canopy structure
- Entrance structure to Tattershall Castle
- Embankment wall
- Festoon lighting between lamp posts
- Listed sturgeon lamp posts in listed embankment wall

Proposed West elevation

- Foreshore structure
- Foreshore structure
- Relocated Tattershall steps for Tattershall Castle
- Landside access ramp and steps for Tattershall Castle
- Festoon lighting terminates with pergola above
- Lightweight pergola above suggested commercial kiosk
- Listed sturgeon lamp posts
- Semi-mature London Plane trees
- Storage kiosk 4m high with pergola above
- Reinstated parapet
- 2 No. signature ventilation columns
- Electrical and control box 4m high with pergola above
- Electrical and control box 4m high with pergola above
- Multistemmed trees in planted planter
- Reinstated parapet

Notes:
1. All dimensions and levels are approximate.
NOTES:
1. All dimensions and levels are approximate.
As existing North isometric

NTS

Sturgeon lamp post, plinth and lions head to be permanently removed

Existing entrance structure to Tattershall castle

Abandoned CSO outfall below

Regent Street CSO discharge below

Indicative stone arrangement (not based on detailed survey)

Tattershall Castle cantiing brow with canopy

Listed sphinx seat to be removed and stored during construction

Parapet stones to be temporarily removed. Refer to attention

Pipe subway

Masse concrete wall

Victoria Embankment

Northern Low Level Sewer No. 1

Line of routing to existing stones (retained insitu) for water tight connection with new wall

Whitehall Place CSO abandoned and sealed

Notes:
1. All dimensions and levels are approximate.
2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.

Key:
- Maximum temporary extent of loss of listed buildings / structures
- Maximum permanent extent of loss of listed buildings / structures

FOR INFORMATION

Victoria Embankment Foreshore
City of Westminster

Document Information
Application for Development Consent
As existing listed structure interface - Foreshore structure
Book of plans - section 18
DCO-PP-16X-VCTEF-180024
January 2013
Datum Newlyn. Tunnel Datum which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the
Coordinates are to be Ordinance Survey Datum DN03W. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordinance Datum Newlyn.

Notes:
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2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.

Proposed North isometric

Stone flood defence wall

Wall to lie axis clad in natural stone (6m-high)

Parapet stones reinstated in-situ post construction

Planted pergola

Kiosk constructed to the top of flood defence wall

Wall lands out at junction with existing stone parapet. Level TBD subject to full wall survey

Substructure shown notionally

Existing parapet terminates against new kiosk structure

Existing stone parapet (6m-high)

Masonry retained in-situ (4m)

Substructure shown notionally

Opening for Whithall Place CSO block up with stone from removed section

Proposed Section AA showing wall elevation

Scale 1:50

Proposed detail section

Scale 1:50

Victoria Embankment

Tree pit beyond

Pipes subway

Mass concrete wall

Northern Low Level Sewer No. 1

INDICATIVE
**Proposed South elevation at high tide**

Scale 1:100

**Notes:**

1. All dimensions and levels are approximate.

**Keyplan:**

- This drawing
- Scale 1:100 if reproduced at A3
- Scale 1:200 if reproduced at A3

**Legend:**

- Existing cast iron caisson: part of original Victorian wall
- Concrete bankseat on piles
- Bankseat piles positioned away from caisson
- Guide pile, for boat
- Bracket welded onto the side of the vessel
- Metal access, brow structure painted white
- Fixed gradient brow
- Cantilevered access above_existing embankment wall
- Deck structure to be in painted surface, other than listed wall
- Landside ramp access mixed above existing embankment wall

**Details:**

- Proposed landscape plan sheet 2 of 2 for location details
- See proposed landscape plan sheet 2 of 2 for location details

**Coastal Landscaping:**

Victoria Embankment Foreshore
City of Westminster

**Document Information:**

Application for Development Consent
Proposed Mooring access details
Book of plans - section 18
ODG-PP-16X-VCTEF-19027
January 2013

**Coordinates:**

- The vessel onto the side of the embankment wall. Raised above existing embankment wall. Landside ramp access mixed above existing embankment wall. Deck structure to be painted surface, other than listed wall.

**Scale:**

- 1m: 0
- 4m
- 10m

- 1m: 0
- 10m

- Scale 1:100 at A1
- Scale 1:200 if reproduced at A3
- Scale 1:50 at A1
- Scale 1:100 if reproduced at A3
Overview
Victoria Embankment Foreshore
City of Westminster

Notes:
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay out differently during construction depending on their preferred construction methods subject to any controls or lay out imposed through the planning submission and approval process.
2. Traffic management plans for construction phases of the work 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.
5. Date position to alter to suit construction progress.
6. Existing flood defence level to be maintained at all times.

Illustrative
Construction phases - phase 2
Shell construction and tunnelling
Book of plans - section 18
DCO-PP-16X-VCTEF-19029
January 2013

The Great Hall
York Place
Embankment
Victoria
Whitehall Place
Horse Guards Avenue
The City
London
Victoria Embankment Gardens
Whitehall Court
Whitehall Stars
Queen Mary's Gate
National Liberal Club
The Queen's House
Great Hall
St Stephen's Chapel
St Stephen's Tower
St Margaret's
Great Hall
Royal Courts of Justice
The Palace of Westminster

Victoria Embankment
g to
Southbank

Existing Northumberland Street Sewer

Intermittent closure of one lane but two way traffic maintained throughout works - coach parking suspended.

Intermittent closure of one lane but two way traffic maintained throughout works - coach parking suspended.

Vehicle turning area

Barge on canal

Excavated material handling area

Segment storage area

Construcation access, left turn in

Construction access, left turn out

Security office

Site power structure

Storage (open area or containerised)

Construcation access, left turn in

Construcation access, left turn in

Construcation access, left turn out

Vehicle turning area

"Tattershall Castle" temporarily relocated here during construction

Ground floor plan

Existing Regent Street Sewer

Existing public right of way

Existing flood defence level to be maintained at all times.

Maximum extent of working area

24 hour diversions

Temporary Ninaon

Route of temporary diversion of right of way

Load in

Load out

Hoarding

Sheet piles installed

Access / haul route

Secant piles used (LLAU)

Shaft

Cofferdam

Permanent river wall

Workshop buildings/storage (open area or containerised)

Office / welfare building

Storage (open area or containerised)

Security office

Site power structure

Construction access, left turn in
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 process and approved programme.

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 suppliers 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 position to alter to suit construction progress.

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

7. Temporary traffic restrictions removed.

8. Sheet piles used (LLAU).

9. Limits of land to be acquired or used (LLAU).

10. Scale 1:1000 if reproduced at A3

11. Scale 1:500 at A1

ILLUSTRATIVE
Stage
Construction phase

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 the drawing.

For proposed coach bay temporary locations see drawings
- DCO-PP-16X-VCTEF-180041
- DCO-PP-16X-VCTEF-180042
- DCO-PP-16X-VCTEF-180043

Standards
- Design manual for roads and bridges, DoT, 1992
- Traffic signs regulations & general directions, TSO, 2002
- Manual for streets, DoT, 2007
- Manual for levels, CHT, 2013
- Designing for deliveries, FTA, 1998
- Cycle infrastructure design LTN 2/08, DoT, 2008
- Guidance for the use of tactile paving, DfT, 1996
- Accessible bus stop design guidance, TfL, 2014

Location
Victoria Embankment Foreshore
City of Westminster

Document Information
Application for Development Consent
Highway layout during utility diversion
DCO-PP-16X-VCTEF-180039
January 2013

Existing highway layout

Proposed highway layout during construction

Key
- Existing
- Replaced
- New
- Revised
- L.L.A.U.
- Traffic barrier
- Temporary restriction to on-street parking
- See schedule of works

On street parking
- Solo motorcyclists only at all times
- Coach parking
- Coaches & minicoaches only
- Mon - Fri 8:30am - 6:30pm
  Sat 8:30am - 1:30pm
  Max stay 2 hours
  No return within 1 hour

Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.
This drawing

Key

Existing

Revised

Bus stop / stand

Bus lane

Coach parking

Parking bay (coaches only)

On street parking

Coach parking:

Coaches Mon - Fri 10am - 4pm

Standards

- Design manual for roads and bridges, DT, 1992
- Traffic signs regulations & general directions, TSO, 2002
- Traffic signs manual, DT, 2006
- Manual for streets, DT, 2007
- Manual for streets 2, CIHT, 2010
- Design for deliveries, Fa, 1998
- Cycle infrastructure design Ltn 2/08, DT, 2008
- Design of pedestrian crossings Ltn 2/95, DT, 1995
- Guidance for the use of tactile paving, DL, 1998
- Accessible bus stop design guidelines, WL, 2006

Scale

1:500 at A1

1:1000 if reproduced at A3

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.

Victoria Embankment Foreshore
City of Westminster

Albert Embankment

DC00-PP-16X-VC/TEF-100041
January 2013
Coaching parking

Coaches Mon - Fri 10am - 4pm

Standards

- Design manual for roads and bridges, DfT, 1992
- Traffic signs regulations & general directions, TSO, 2002
- Traffic signs manual, DfT, 2006
- Manual for streets 2, CIHT, 2010
- Designing for delivery, FTA, 1998
- Cycle infrastructure design LTN 2/08, DfT, 2008
- Design of junctions for pedestrian use, LTN 259, DfT, 1988
- Guidance for the use of tactile paving, DfT, 1989
- Accessible bus stop design guidance, TRL, 2008

This drawing is illustrative.

Victoria Embankment Foreshore
City of Westminster

Application for Development Consent
Relocated coach bays
Lambeth Palace Rd, LB Lambeth

DC02-PP-15X-VCTEF-180042
January 2013

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Key

Existing
- Bus stop/stand
- Bus lane
- Cycle lane / advanced cycle stopline

Revised
- Parking (bay / coaches only)

Existing highway layout

Proposed highway layout during construction