

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

Application Reference Number: WWO10001

Book of Plans

Doc Ref: **2.17**

Albert Embankment Foreshore

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

Hard copy available in
Box **62** Folder **A**
January 2013

Thames
Tideway Tunnel 
Creating a cleaner, healthier River Thames

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Application for Development Consent: Book of Plans

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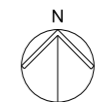
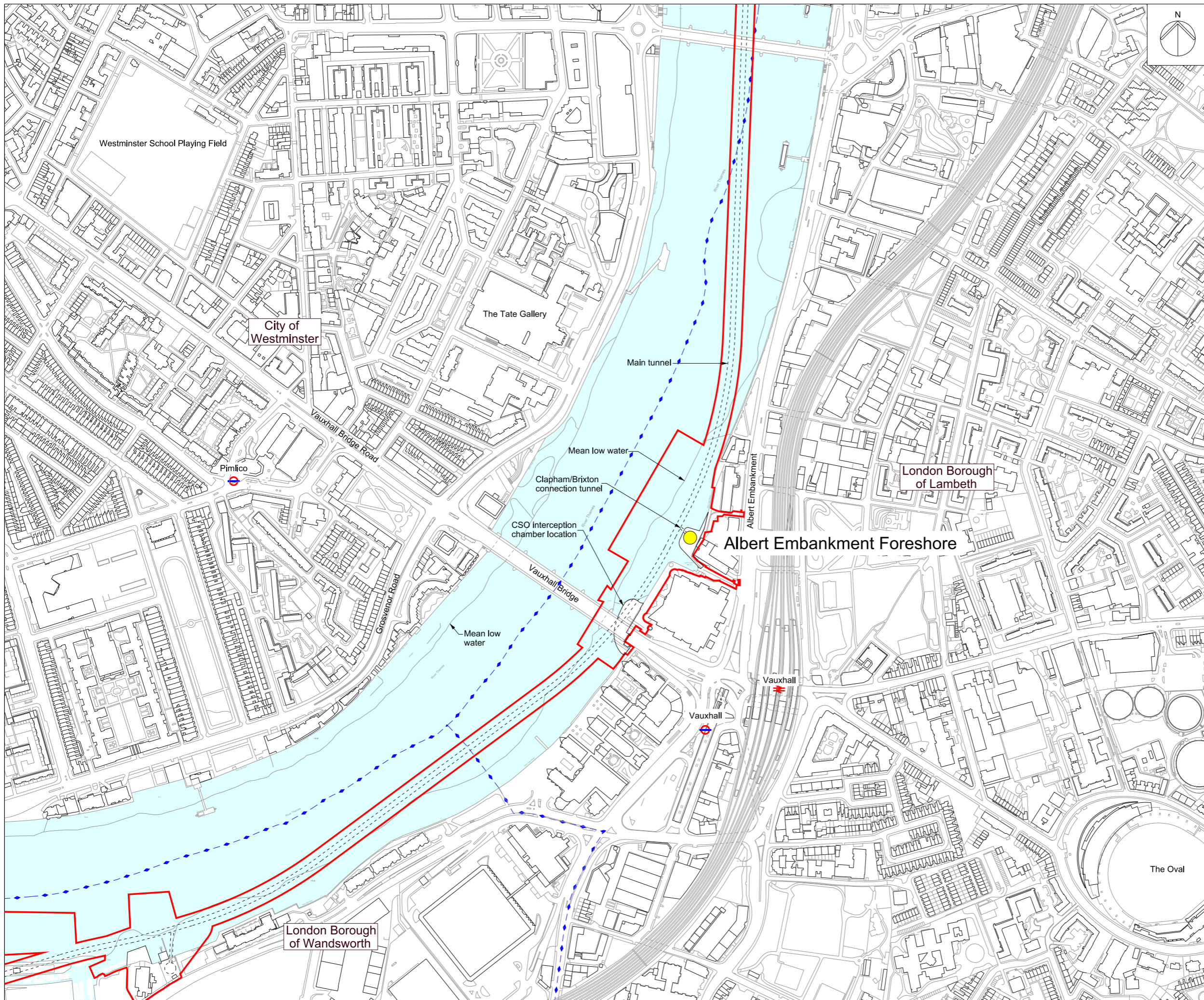
Volume 4

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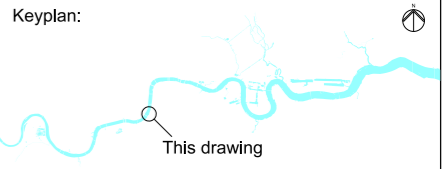
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* Schedules of associated highway works are located in the *Transport Assessment*



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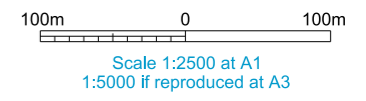


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Local authority boundary
 - Order limits
 - Tunnel
 - Shaft

Notes:

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



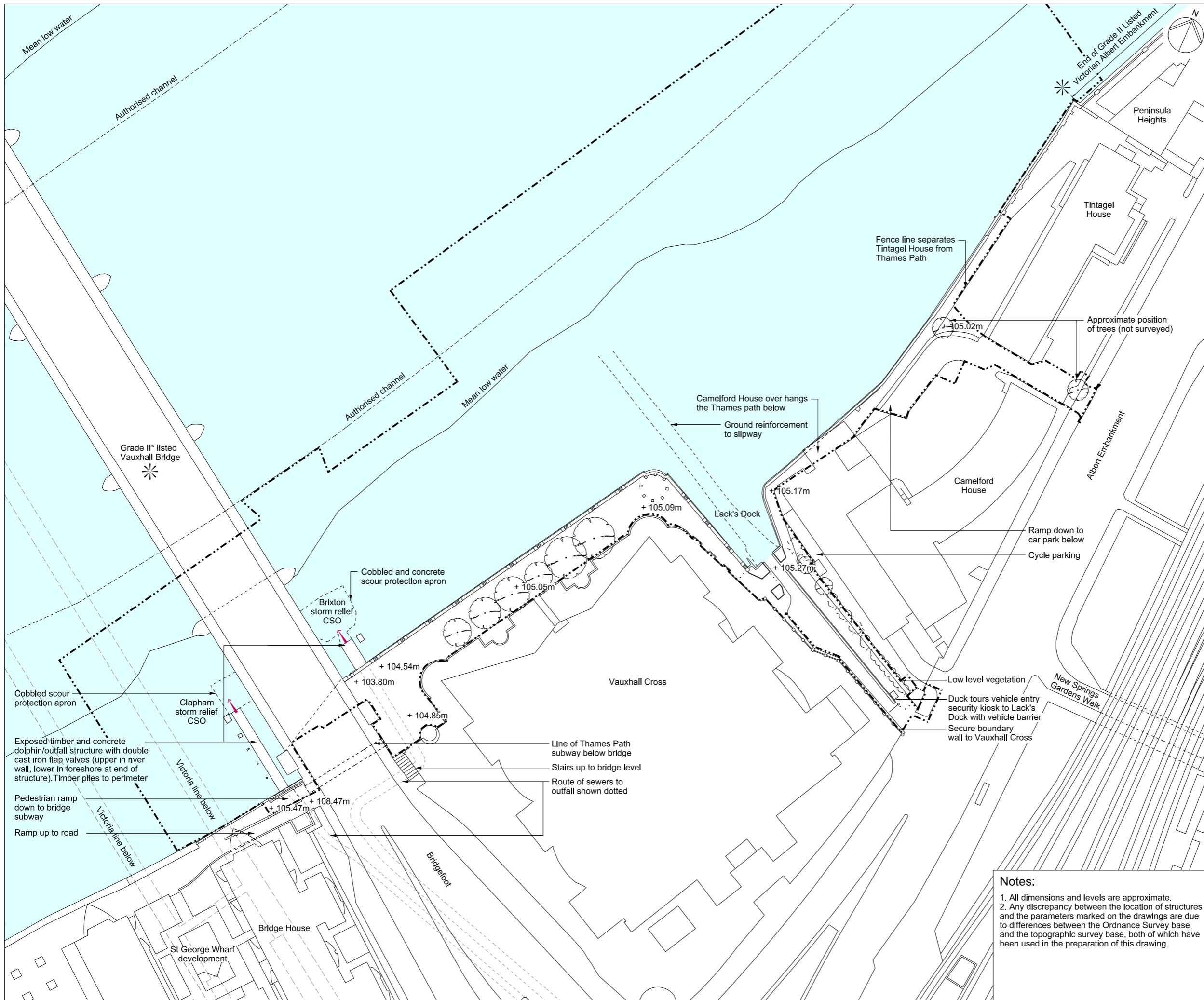
FOR INFORMATION

Location
Albert Embankment Foreshore
 London Borough of Lambeth

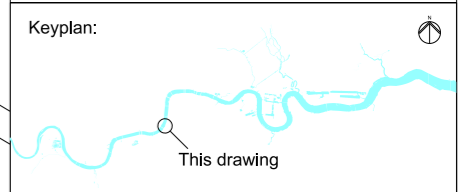
Document Information
Application for Development Consent
 Location plan

Book of plans - section 17
 DCO-PP-15X-ALBEF-170001
 January 2013



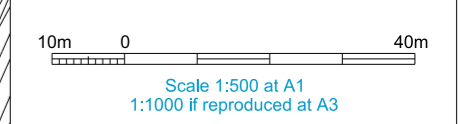


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- 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 (trunk sizes vary)



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Location
Albert Embankment Foreshore
 London Borough of Lambeth

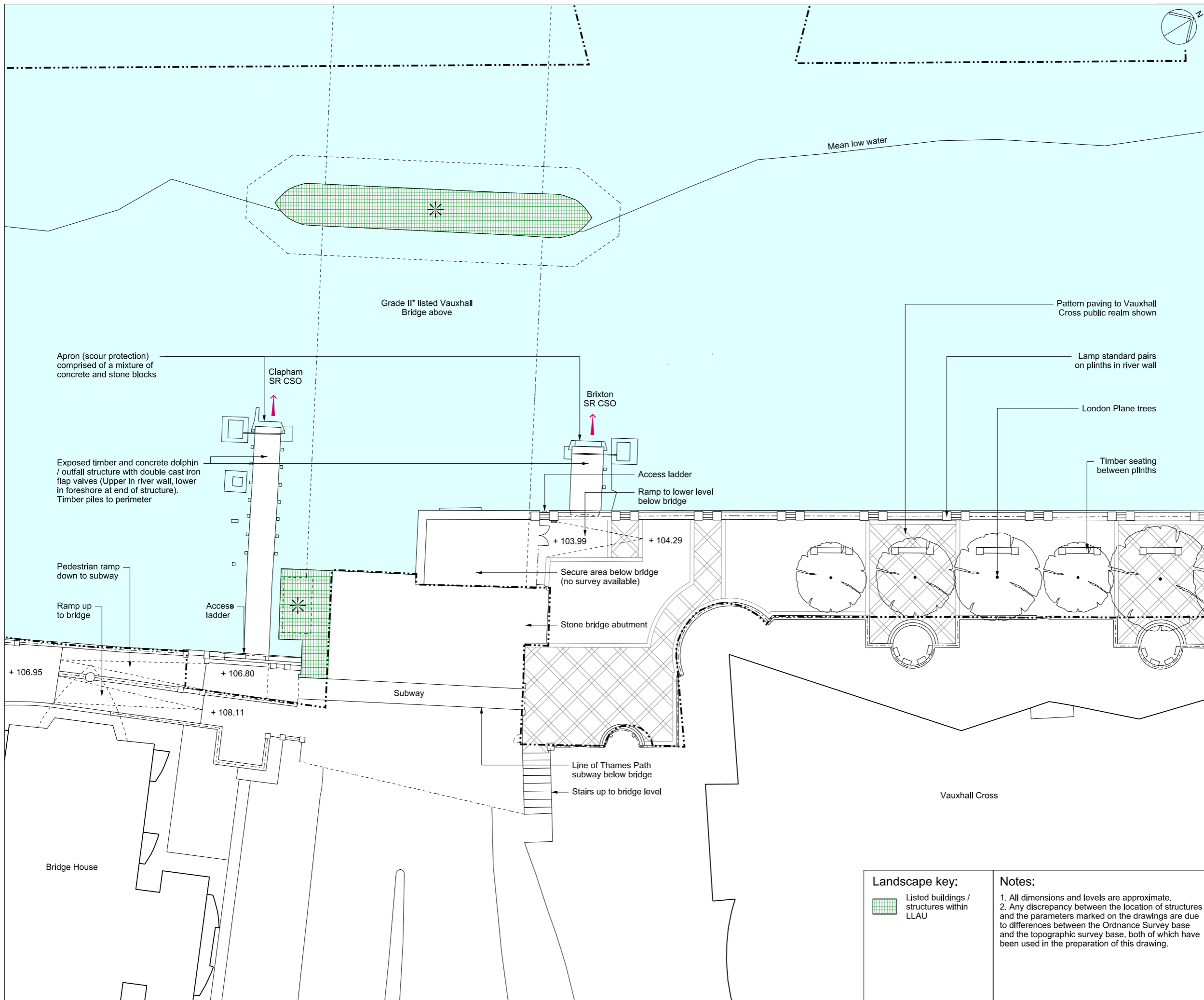
Document Information
Application for Development Consent

As existing
 Site features plan
 Book of plans - section 17
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 January 2013

Notes:

- All dimensions and levels are approximate.
- 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.



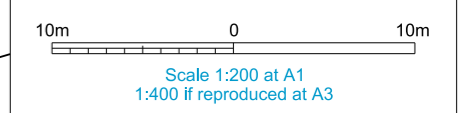
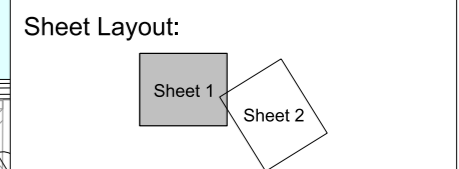


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- Key:**
- Limits of land to be acquired or used (LLAU)
 - + 105.40m Existing levels (shown in metres above tunnel datum)
 - ✱ Listed buildings/structures
 - Approximate position of CSO outlet
 - ⊙ Existing trees within surveyed area (trunk sizes vary)



FOR INFORMATION

Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 As existing
 Landscape plan - interception structure
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170003
 January 2013

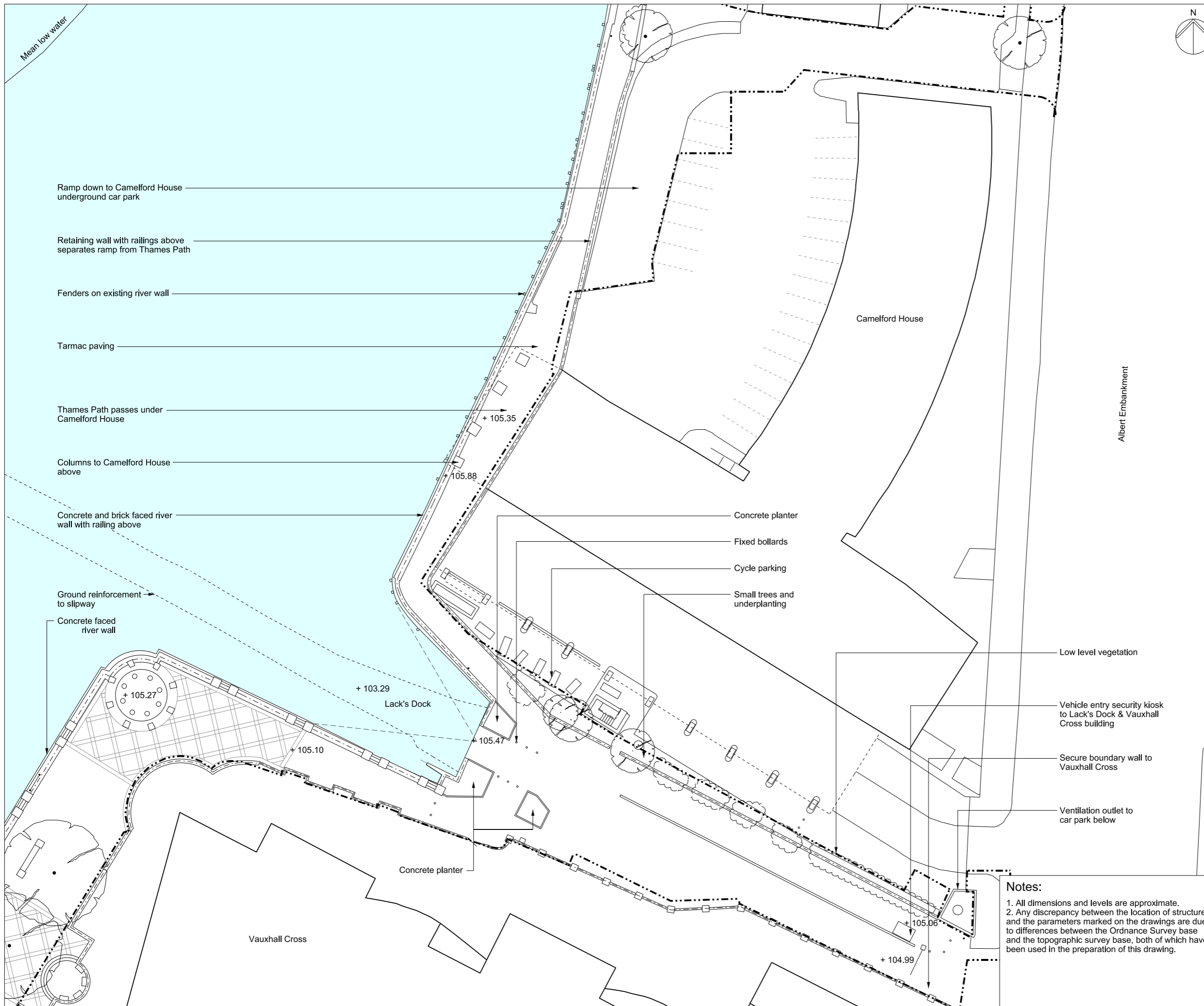


Landscape key:

Listed buildings / structures within LLAU

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.



Ramp down to Camelford House underground car park

Retaining wall with railings above separates ramp from Thames Path

Fenders on existing river wall

Tarmac paving

Thames Path passes under Camelford House

Columns to Camelford House above

Concrete and brick faced river wall with railing above

Ground reinforcement to slipway

Concrete faced river wall

Concrete planter

Fixed bollards

Cycle parking

Small trees and underplanting

Low level vegetation

Vehicle entry security kiosk to Lack's Dock & Vauxhall Cross building

Secure boundary wall to Vauxhall Cross

Ventilation outlet to car park below

Concrete planter

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.



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Keyplan:

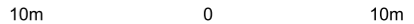
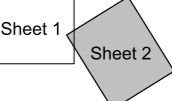


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Key:

- Limits of land to be acquired or used (LLAU)
- + 105.40m Existing levels (shown in metres above tunnel datum)
- ⊙ Existing trees within surveyed area (trunk sizes vary)

Sheet Layout:



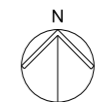
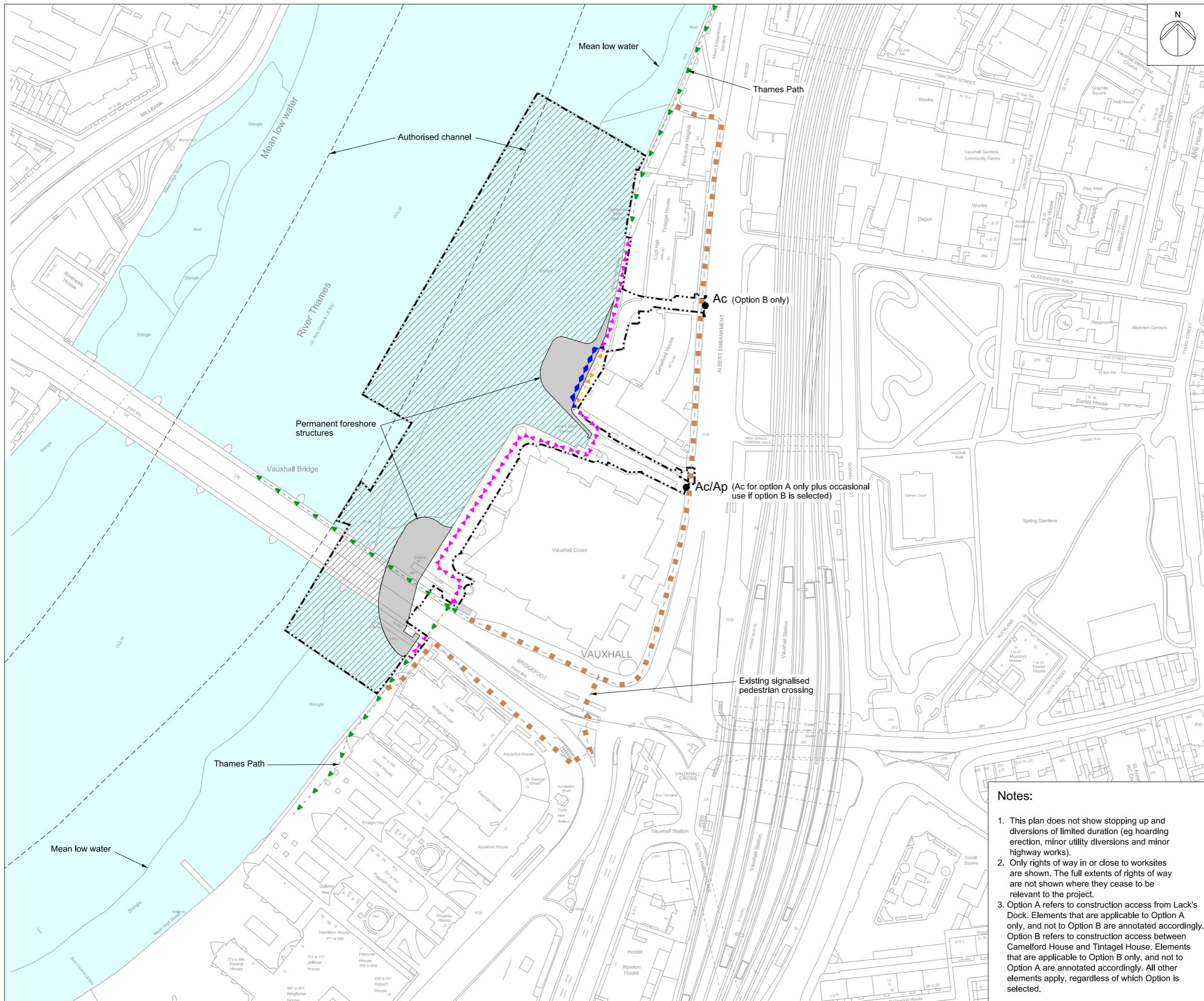
Scale 1:200 at A1
1:400 if reproduced at A3

FOR INFORMATION

Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 As existing
 Landscape plan - shaft structure
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170004
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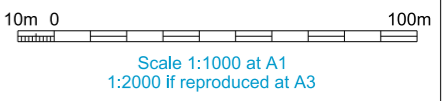


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- Key:**
- Limits of land to be acquired or used (LLAU)
 - Existing public right of way
 - Route of temporary diversion of right of way
 - Existing right of way temporarily stopped up
 - Existing right of way permanently stopped up
 - Provision of permanent permissive right of way
 - Area of temporary suspension of public rights of navigation
 - Area of permanent extinguishment of public rights of navigation
 - Ap ● Access to permanent works
 - Ac ● Access to construction works



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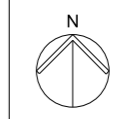
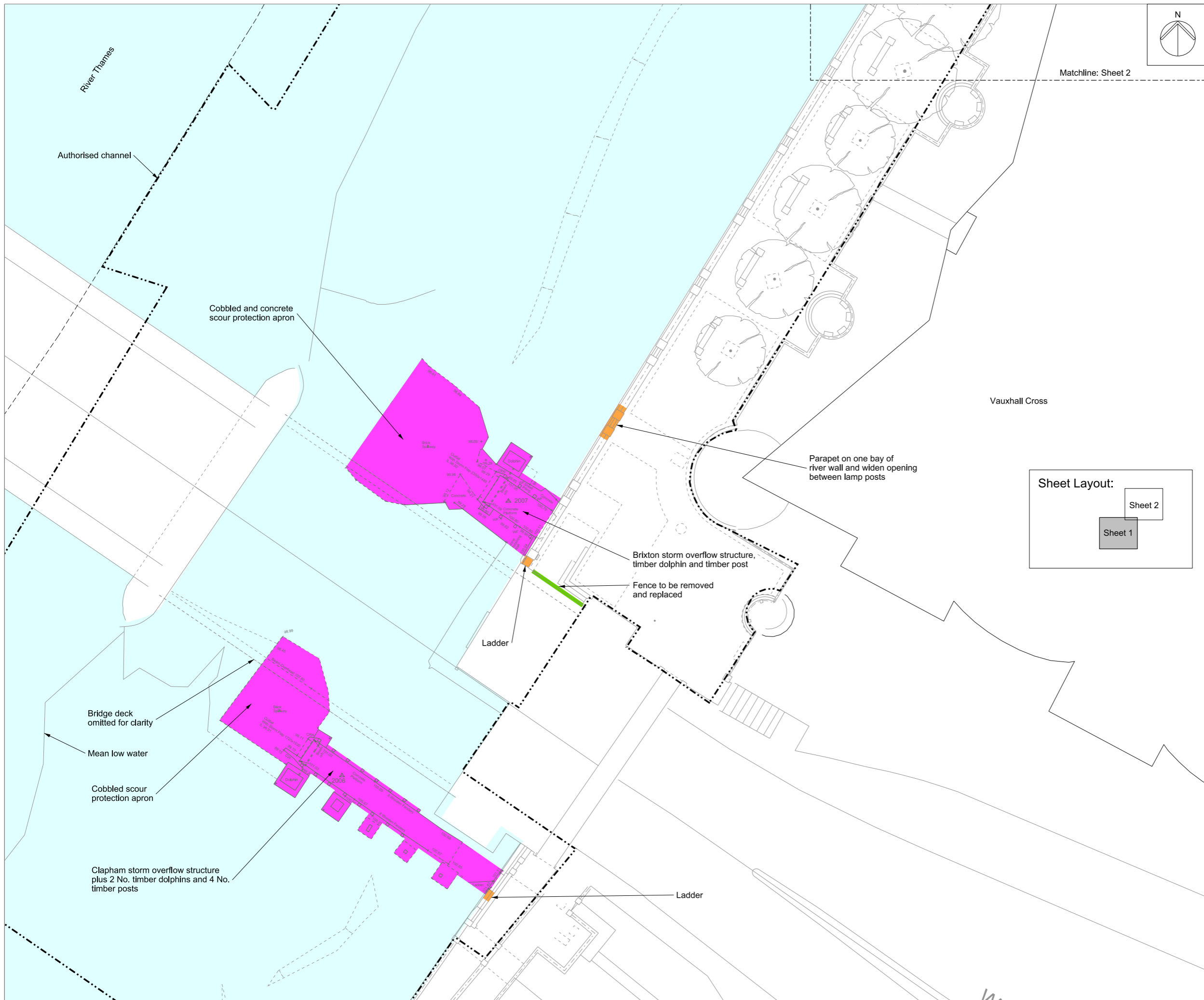
- Notes:**
1. This plan does not show stopping up and diversions of limited duration (eg hoarding erection, minor utility diversions and minor highway works).
 2. Only rights of way in or close to worksites are shown. The full extents of rights of way are not shown where they cease to be relevant to the project.
 3. Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only, and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to Option B only, and not to Option A are annotated accordingly. All other elements apply, regardless of which Option is selected.

Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 Access plan

Book of plans - section 17
 DCO-PP-15X-ALBEF-170005
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Thames Tideway Tunnel
 Creating a cleaner, healthier River Thames



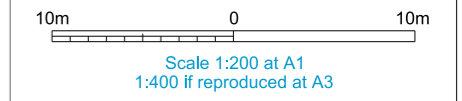
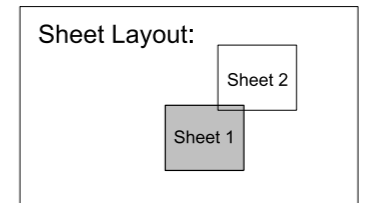
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- Key:**
- Limits of land to be acquired or used (LLAU)
 - Above ground structures to be removed
 - Below ground structures to be removed or infilled
 - Structure to be removed and relocated or reinstated

- 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.

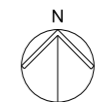
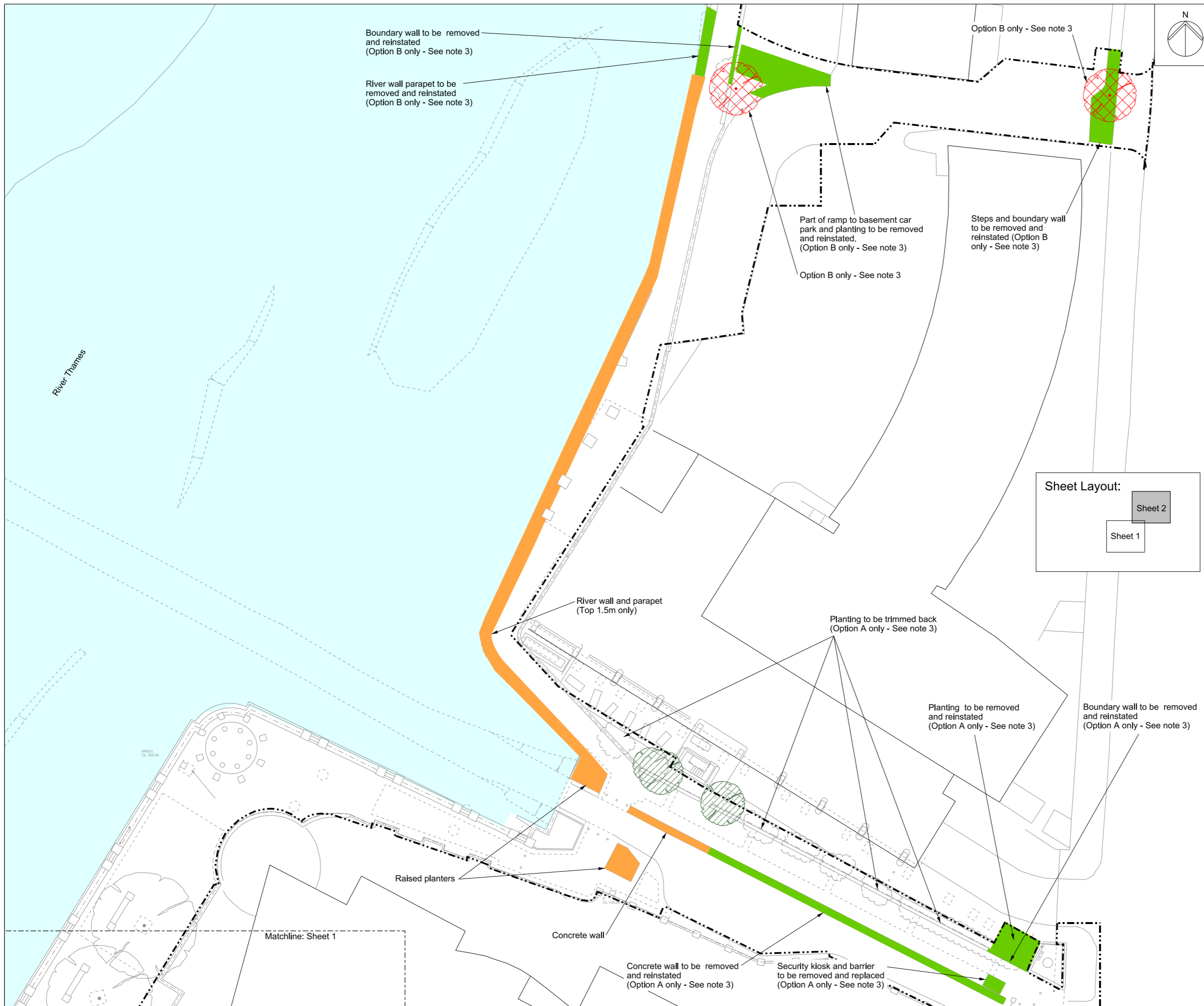


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Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 Demolition and site clearance
 Sheet 1 of 2
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 DCO-PP-15X-ALBEF-170006
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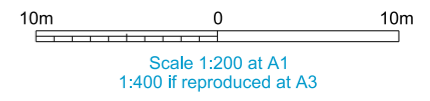
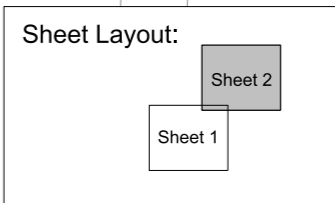
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- Key:**
- Limits of land to be acquired or used (LLAU)
 - Trees to be removed
 - Trees to be pruned
 - Above ground structures to be removed
 - Structure to be removed and relocated or reinstated

- 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.
 3. Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only, and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to Option B only, and not to Option A are annotated accordingly. All other elements apply, regardless of which Option is selected.



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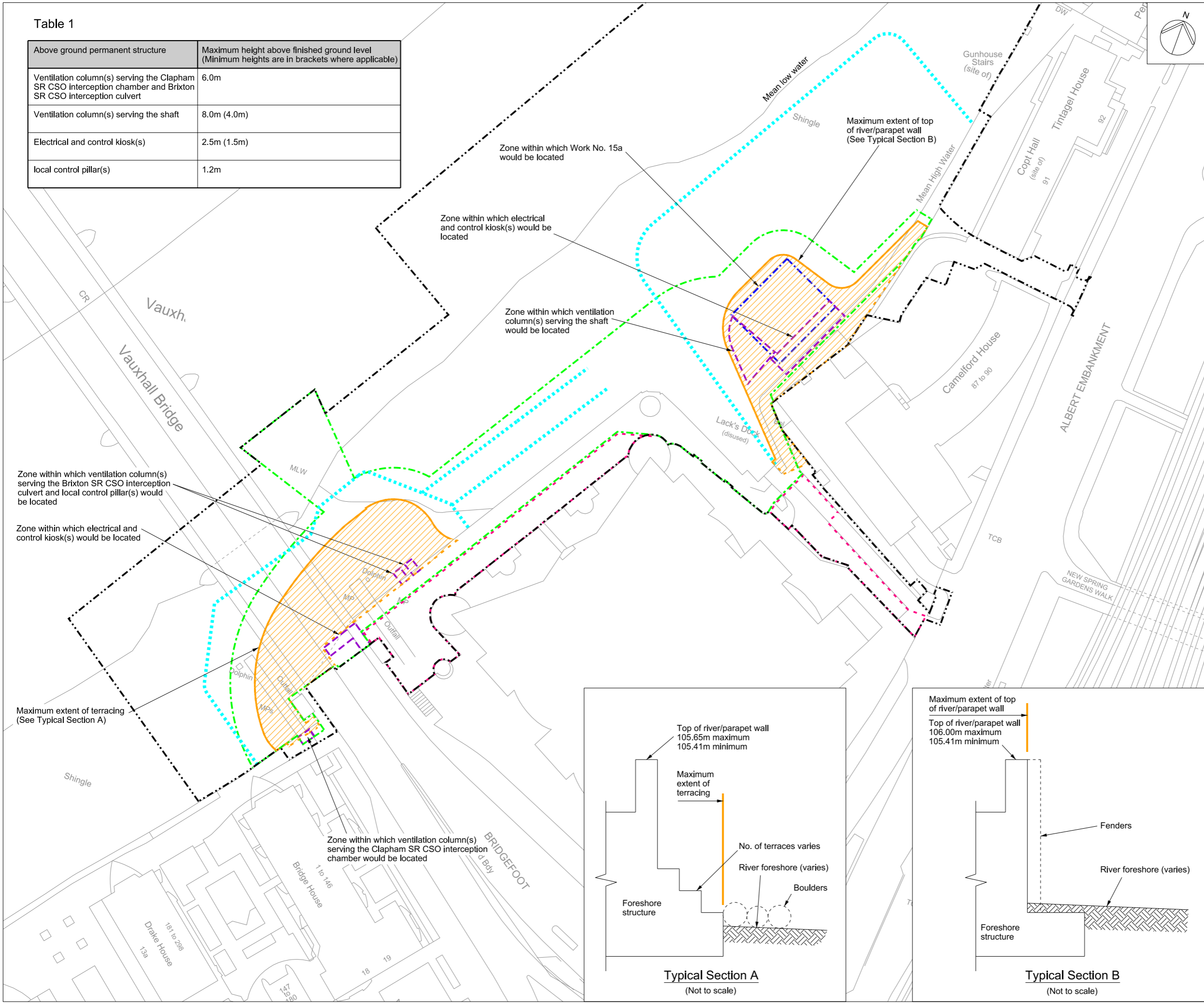
Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 Demolition and site clearance
 Sheet 2 of 2
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170007
 January 2013



Table 1

Above ground permanent structure	Maximum height above finished ground level (Minimum heights are in brackets where applicable)
Ventilation column(s) serving the Clapham SR CSO interception chamber and Brixton SR CSO interception culvert	6.0m
Ventilation column(s) serving the shaft	8.0m (4.0m)
Electrical and control kiosk(s)	2.5m (1.5m)
local control pillar(s)	1.2m



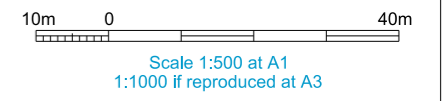
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- Key:
- Limits of land to be acquired or used (LLAU)
 - Zone within which all permanent site structures would be located
 - Zone within which the shaft would be located
 - Zone within which permanent above ground structures would be located (those listed in Table 1)
 - Zone within which required landscaping would be located
 - Limits of permanent access
 - Maximum extent of top of river/parapet wall or terracing
 - Maximum extent of temporary works platform

- Notes:
- All dimensions and levels are approximate.
 - The Site Works Parameter Key Plan identifies each zone independently.
 - 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.

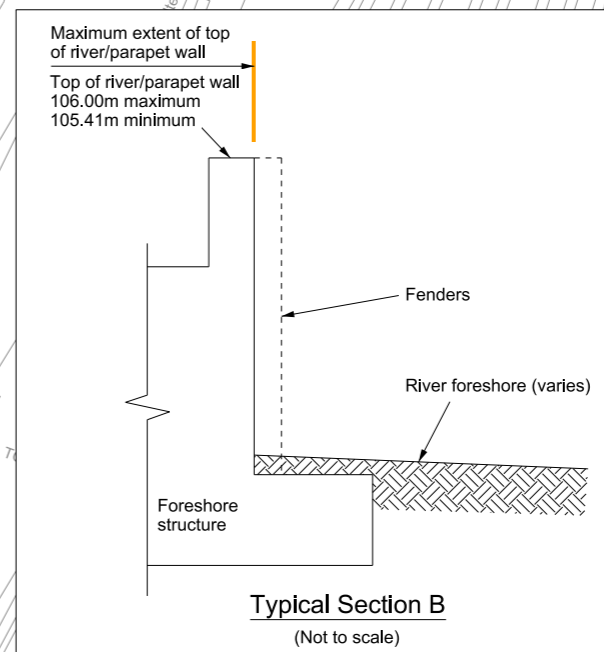
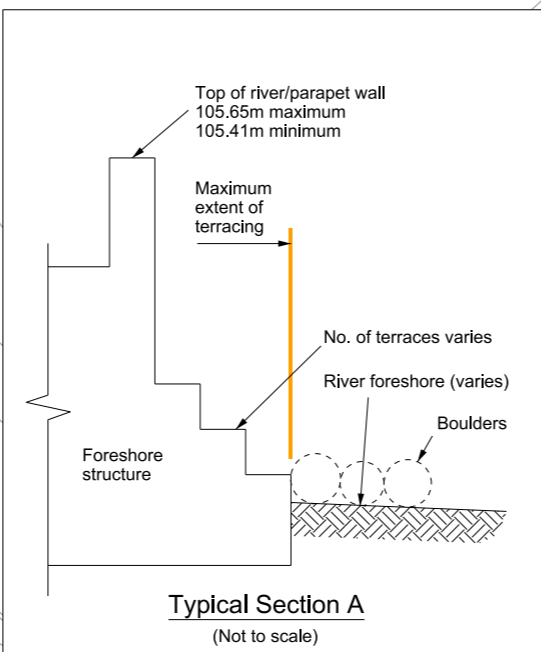


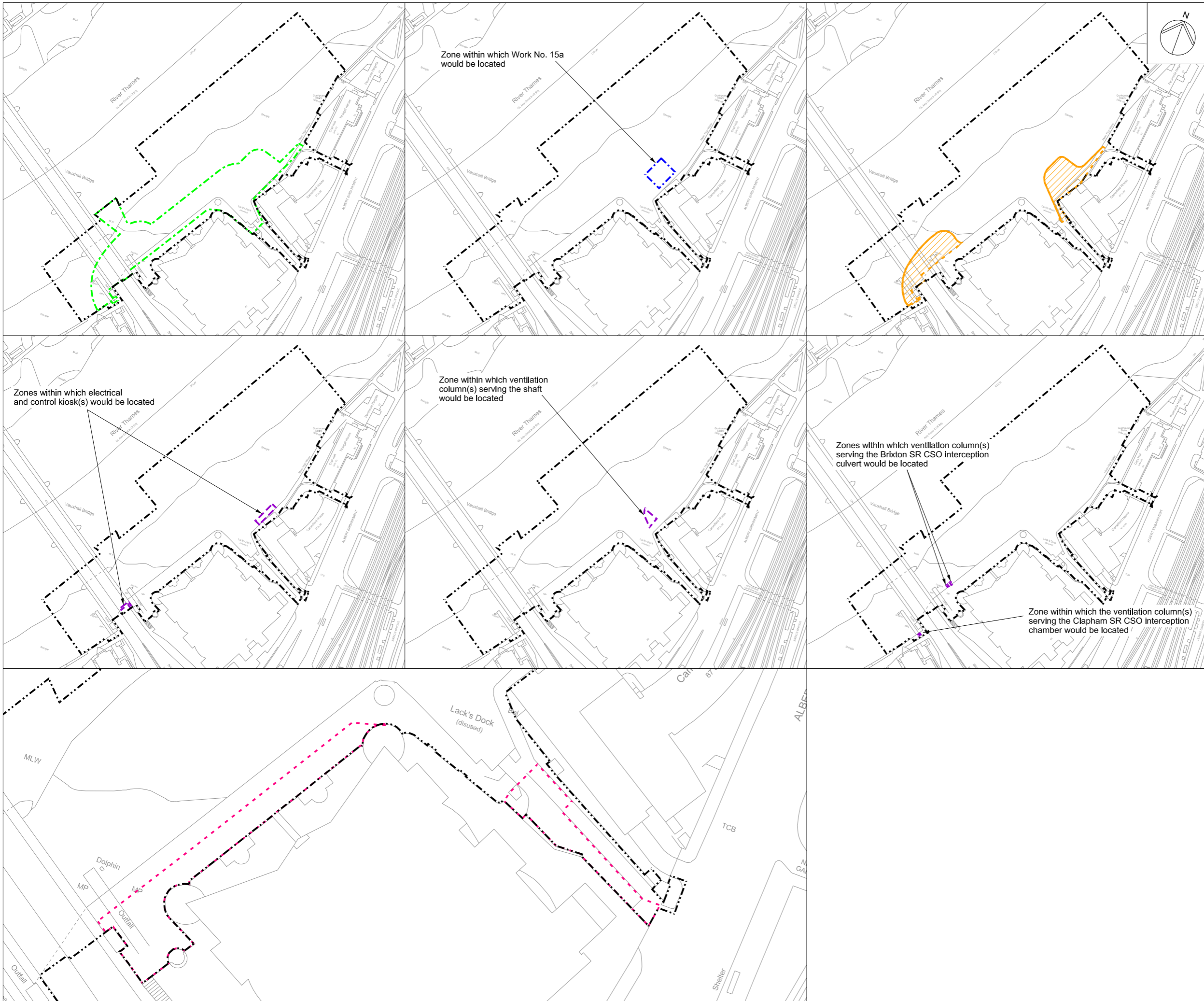
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Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Site works parameter plan

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January 2013





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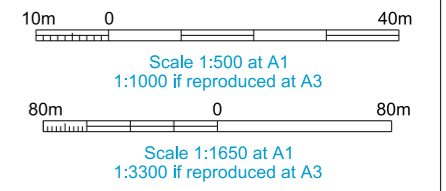


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key:

- 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
- Limits of permanent access
- Maximum extent of top of river/parapet wall or terracing

- Notes:**
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 plan.
 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.



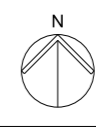
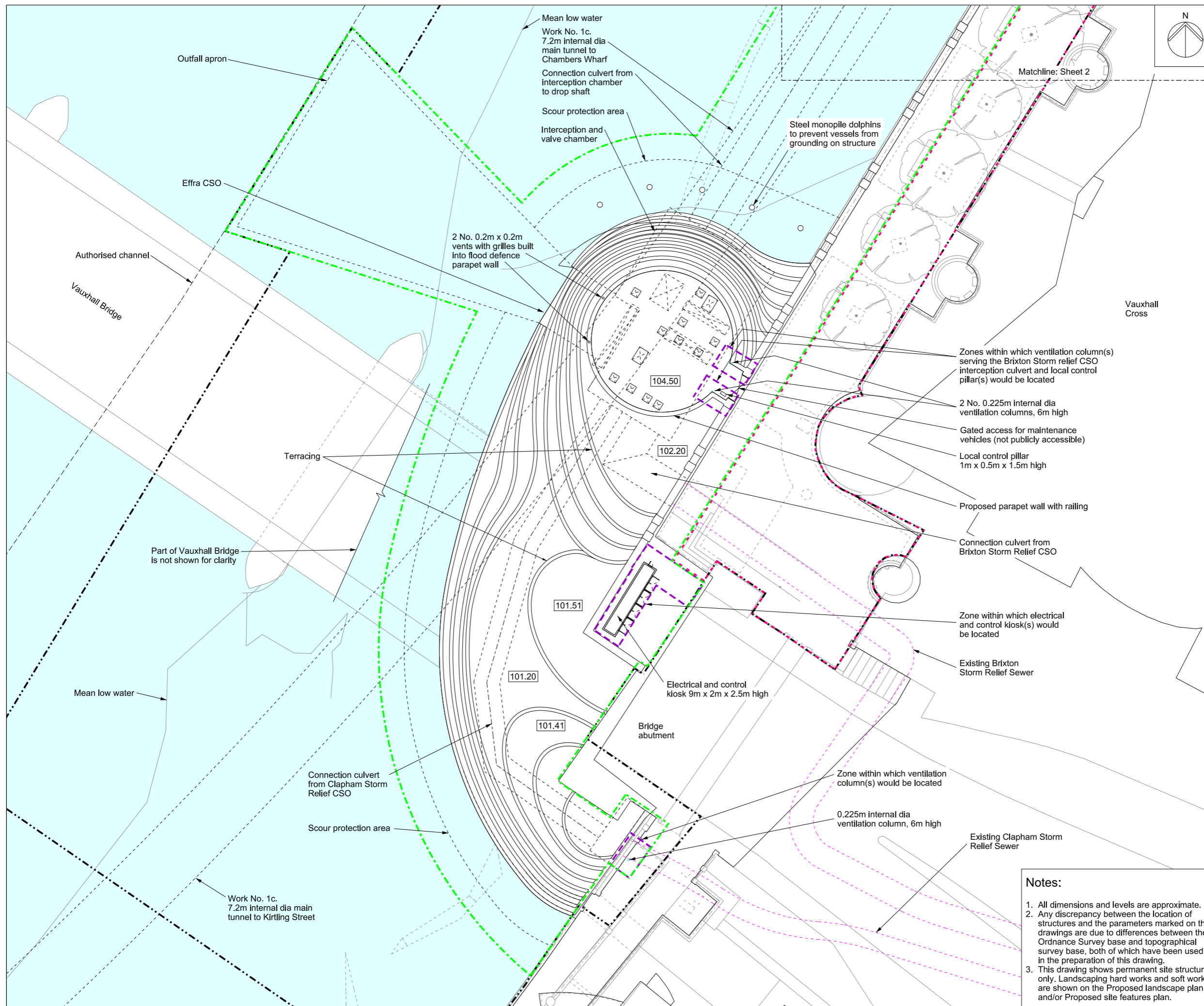
FOR INFORMATION

Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 Site works parameter key plan

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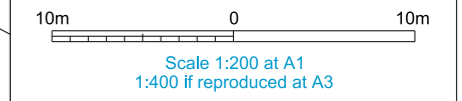
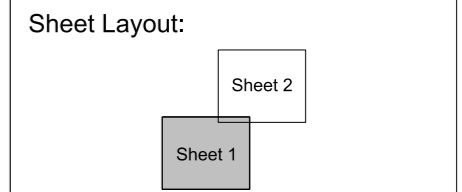


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
 - Existing sewers
 - Proposed access cover
 - 104.50 Proposed level (shown in metres above tunnel datum)
 - 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
 - Limits of permanent access



ILLUSTRATIVE

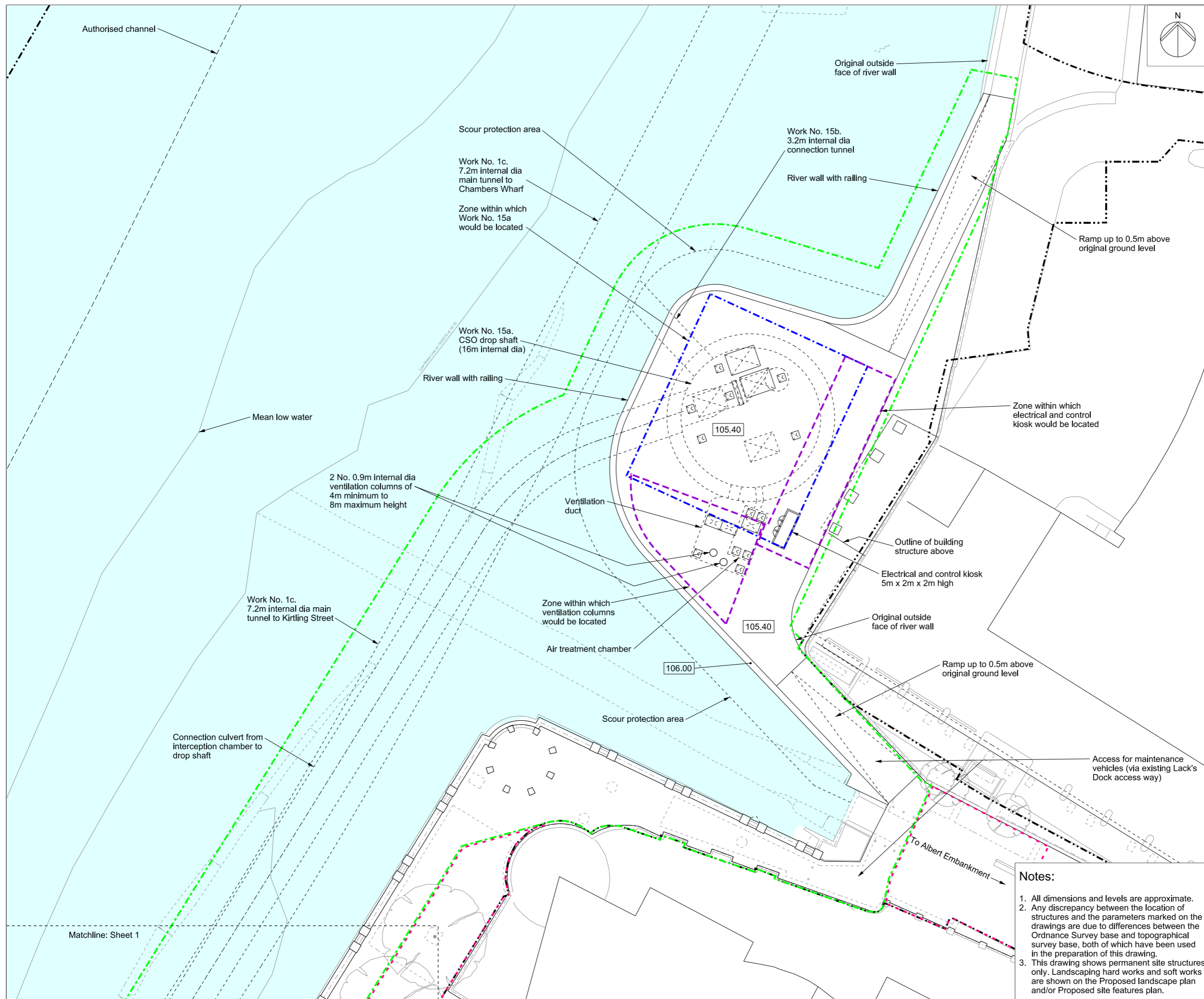
Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent

Permanent works layout
Sheet 1 of 2
Book of plans - section 17
DCO-PP-15X-ALBEF-170010
January 2013



- 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 topographical survey base, both of which have been used in the preparation of this drawing.
 3. This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.

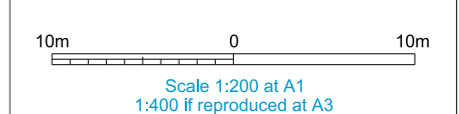
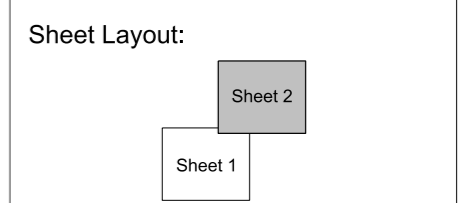


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Keyplan:

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:**
- Limits of land to be acquired or used (LLAU)
 - Proposed access cover
 - Proposed level (shown in metres above tunnel datum)
 - 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
 - Limits of permanent access



ILLUSTRATIVE

Location
Albert Embankment Foreshore
 London Borough of Lambeth

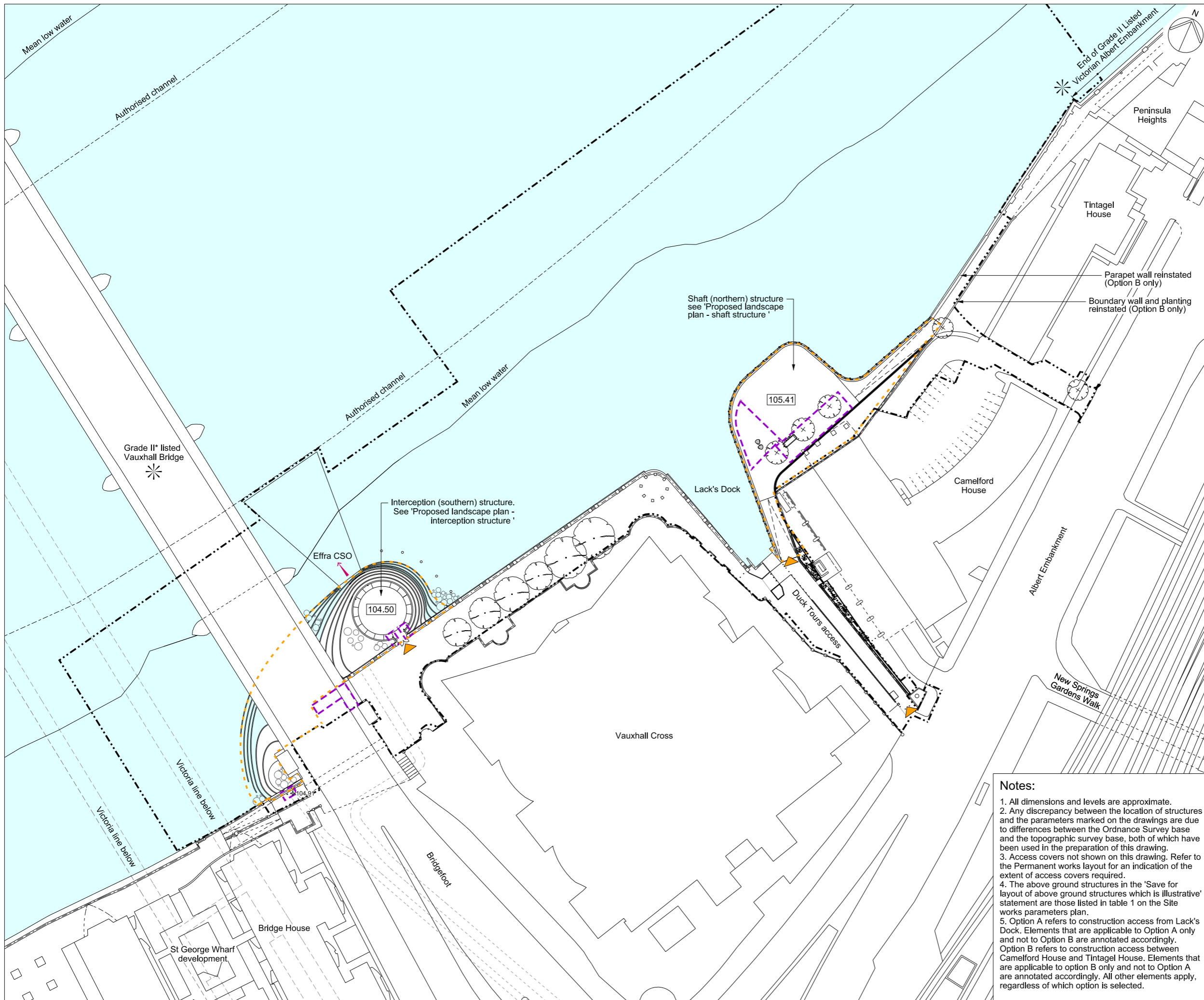
Document Information
Application for Development Consent

Permanent works layout
 Sheet 2 of 2
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170011
 January 2013

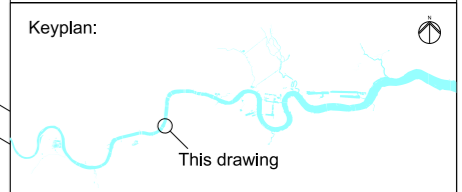


- Notes:**
1. All dimensions and levels are approximate.
 2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base, both of which have been used in the preparation of this drawing.
 3. This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.

Matchline: Sheet 1

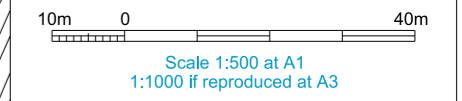


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
 - - - - - Authorised channel
 - Zone within which permanent above ground structures would be located
 - Zone within which required landscaping would be located
 - + 105.40m Existing levels (shown in metres above tunnel datum)
 - 105.40 Proposed levels (shown in metres above tunnel datum)
 - * Listed buildings/structures
 - Approximate position of CSO outlet
 - ⊙ Existing trees within surveyed area (trunk sizes vary)
 - ⊕ Proposed trees
 - ▶ Thames Water access



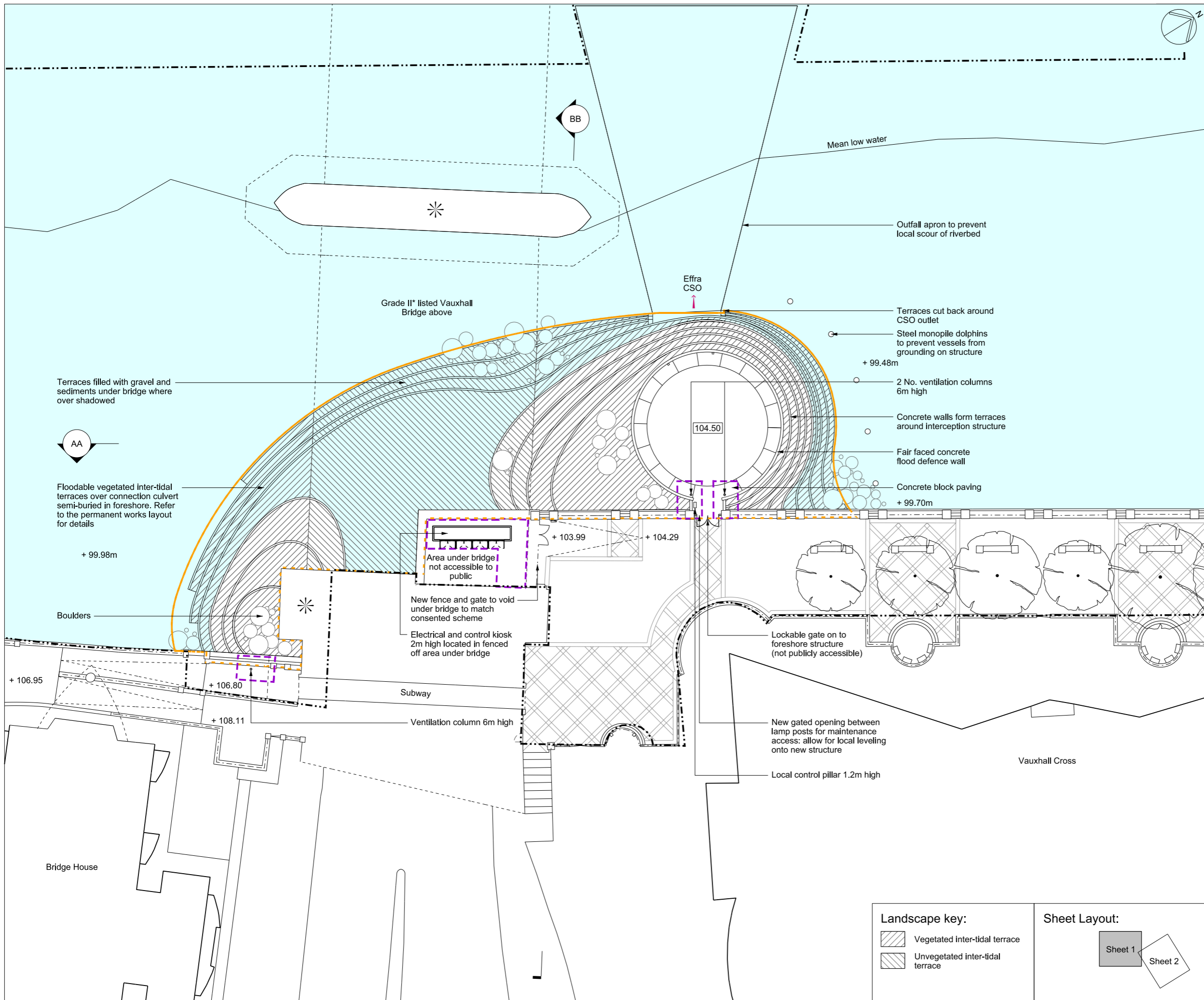
INDICATIVE
Save for layout of above ground structures which is illustrative

- 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. Access covers not shown on this drawing. Refer to the Permanent works layout for an indication of the extent of access covers required.
 4. The above ground structures in the 'Save for layout of above ground structures which is illustrative' statement are those listed in table 1 on the Site works parameters plan.
 5. Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to option B only and not to Option A are annotated accordingly. All other elements apply, regardless of which option is selected.

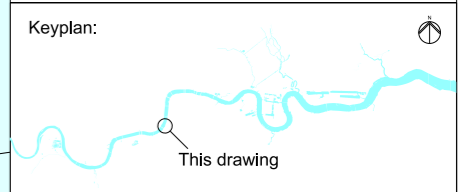
Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed
Site features plan
Book of plans - section 17
DCO-PP-15X-ALBEF-170012
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames



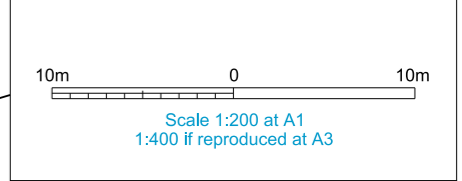
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
 - Zone within which permanent above ground structures would be located
 - Zone within which required landscaping would be located
 - Maximum extent of foreshore structure
 - + 105.40m Existing levels (shown in metres above tunnel datum)
 - 105.40 Proposed levels (shown in metres above tunnel datum)
 - * Listed buildings/structures
 - Approximate position of CSO outlet
 - ⊙ Existing trees within surveyed area (trunk sizes vary)

- 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.
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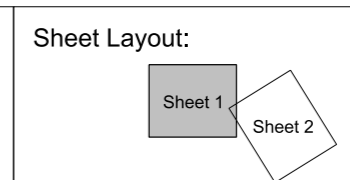
INDICATIVE
Save for layout of above ground structures which is illustrative

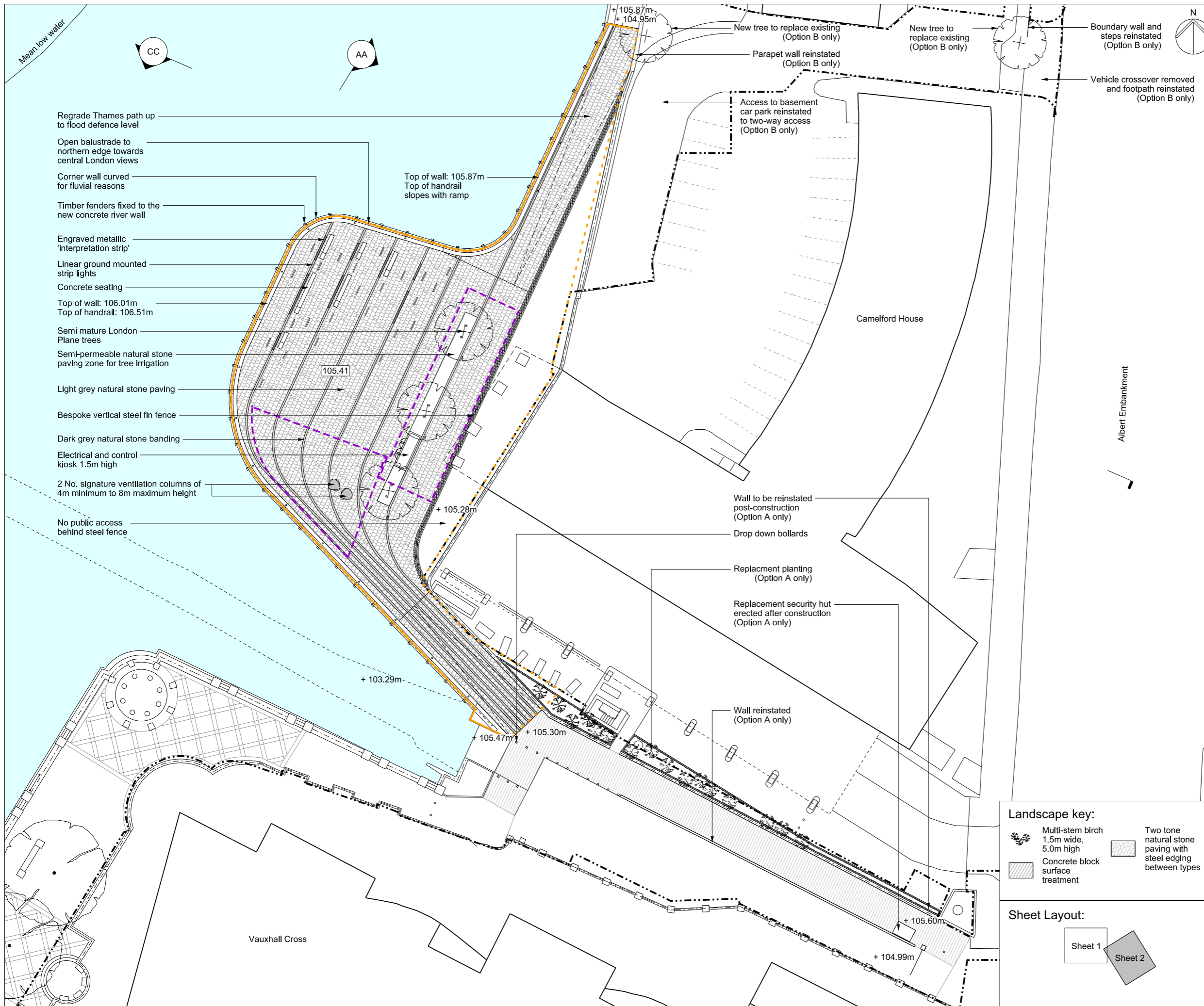
Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed
Landscape plan - interception structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170013
January 2013

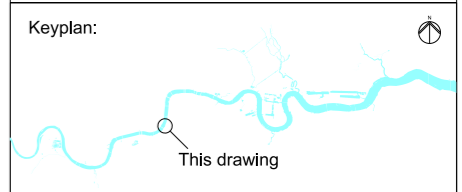


- Landscape key:**
- Vegetated inter-tidal terrace
 - Unvegetated inter-tidal terrace





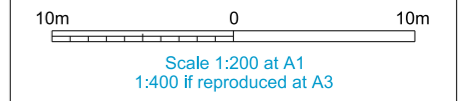
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

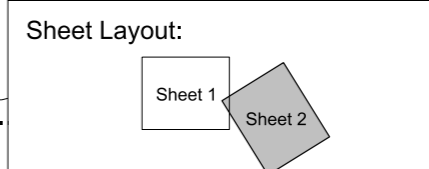
- Key:**
- Limits of land to be acquired or used (LLAU)
 - Zone within which permanent above ground structures would be located
 - Zone within which required landscaping would be located
 - Maximum extent of foreshore structure
 - + 105.40m Existing levels (shown in metres above tunnel datum)
 - Proposed levels (shown in metres above tunnel datum)
 - Existing trees within surveyed area (trunk sizes vary)
 - Proposed trees

- 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.
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 4. The above ground structures in the 'Save for layout of above ground structures which is illustrative' statement are those listed in table 1 on the Site works parameters plan.
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INDICATIVE
Save for layout of above ground structures which is illustrative

- Landscape key:**
- Multi-stem birch 1.5m wide, 5.0m high
 - Concrete block surface treatment
 - Two tone natural stone paving with steel edging between types



Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed
Landscape plan - shaft structure
Book of plans - section 17
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January 2013

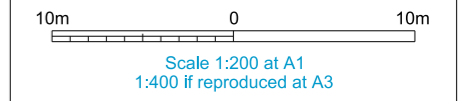
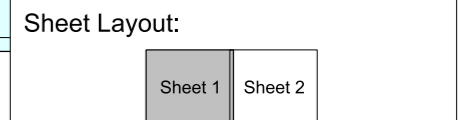
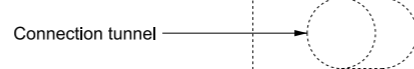
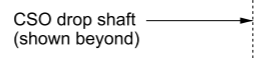
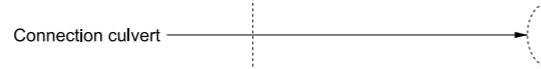
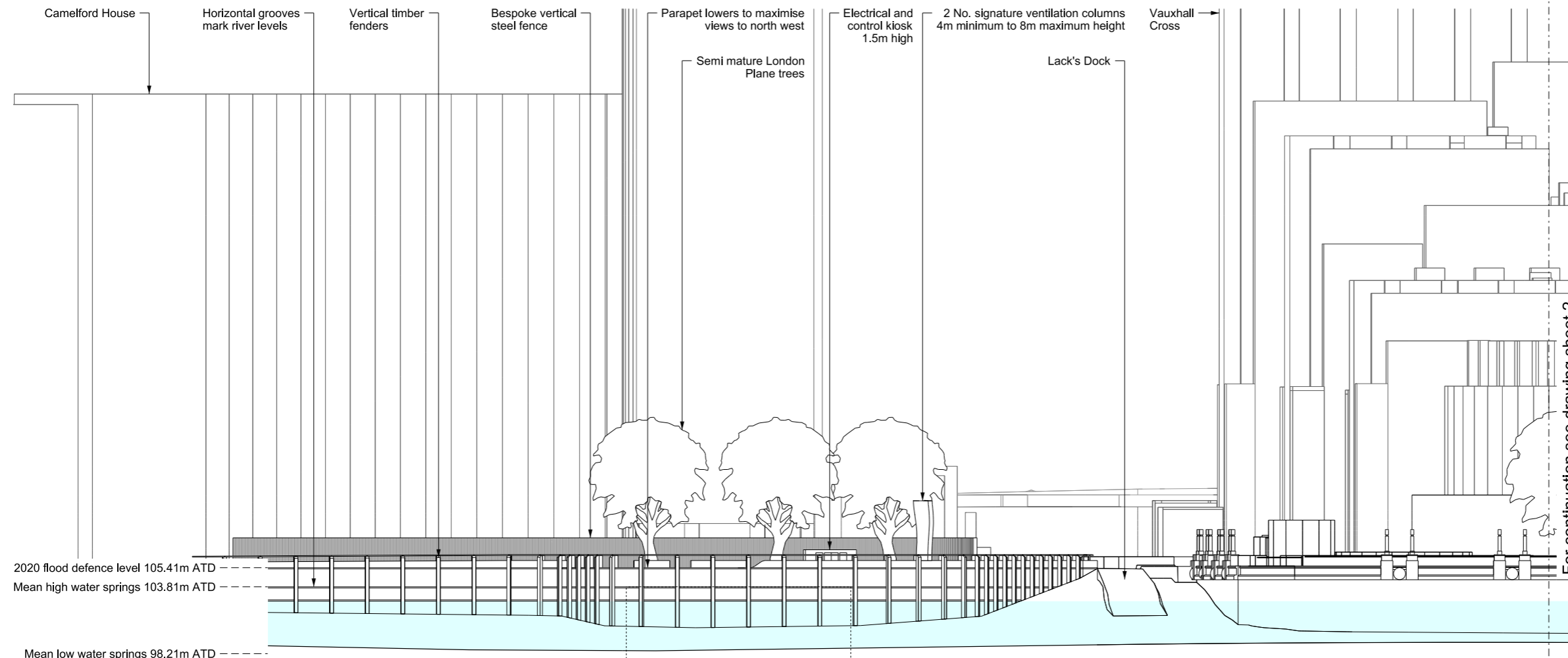
Thames Tideway Tunnel
Creating a cleaner, healthier River Thames

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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.

- 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.

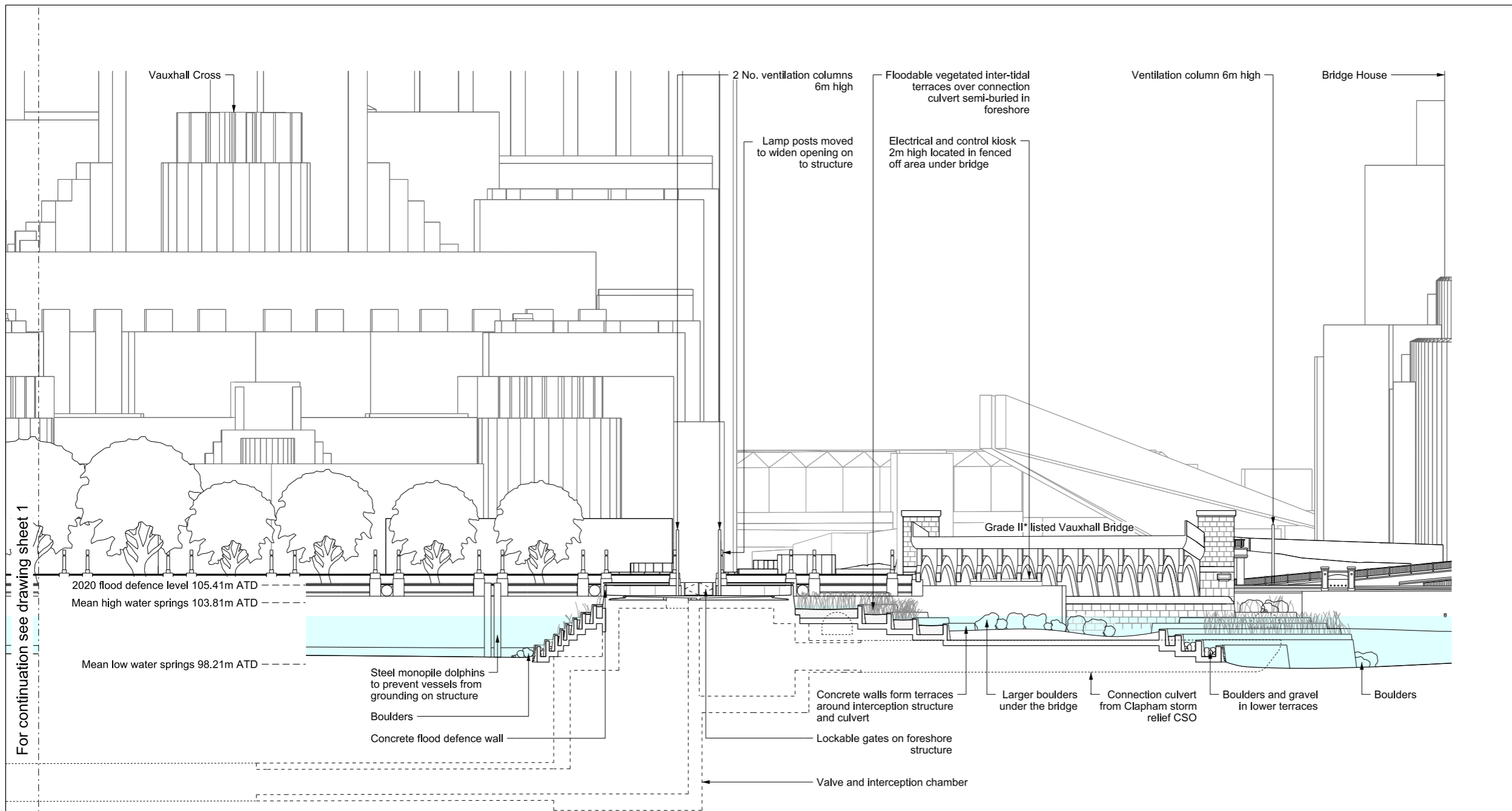


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Location
Albert Embankment Foreshore
London Borough of Lambeth

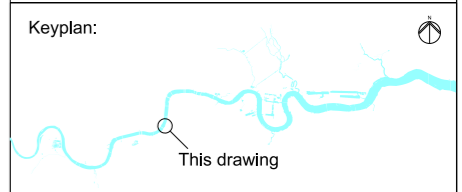
Document Information
Application for Development Consent
Section AA
Sheet 1 of 2
Book of plans - section 17
DCO-PP-15X-ALBEF-170015
January 2013





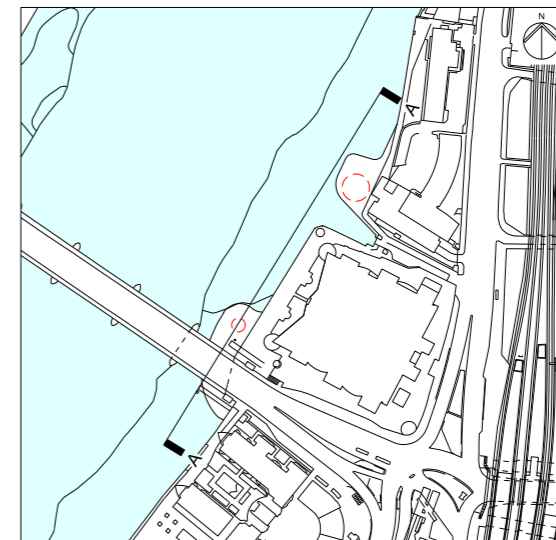
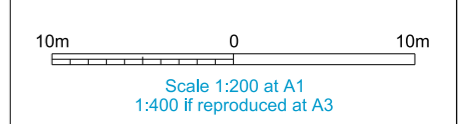
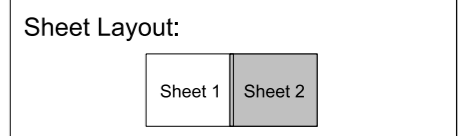
For continuation see drawing sheet 1

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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.

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
 Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
 Application for Development Consent
 Section AA
 Sheet 2 of 2
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170016
 January 2013



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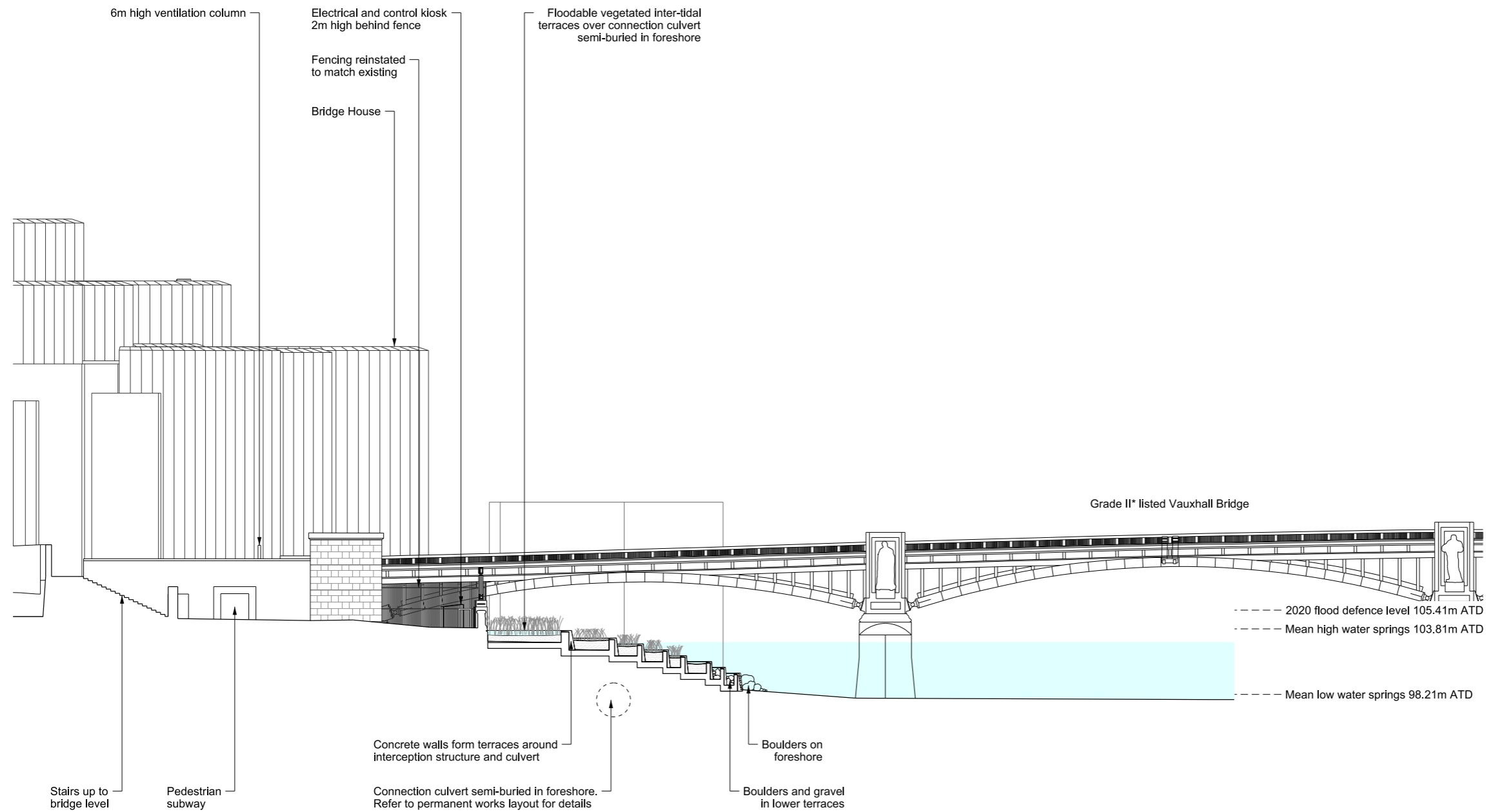
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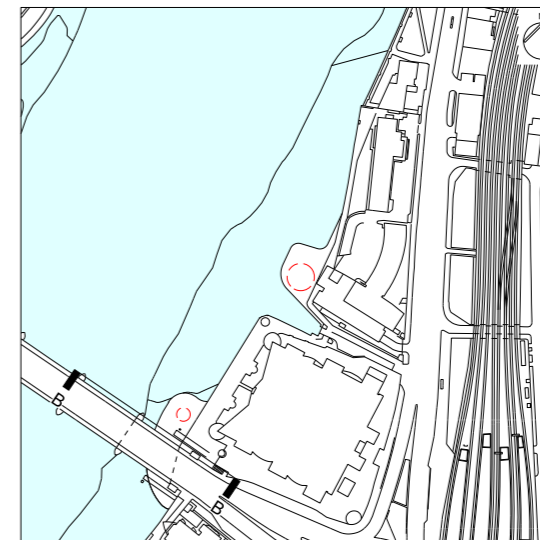
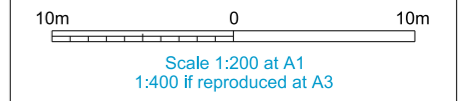
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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.



Section BB



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Section BB

Book of plans - section 17
DCO-PP-15X-ALBEF-170017
January 2013



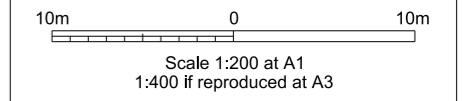
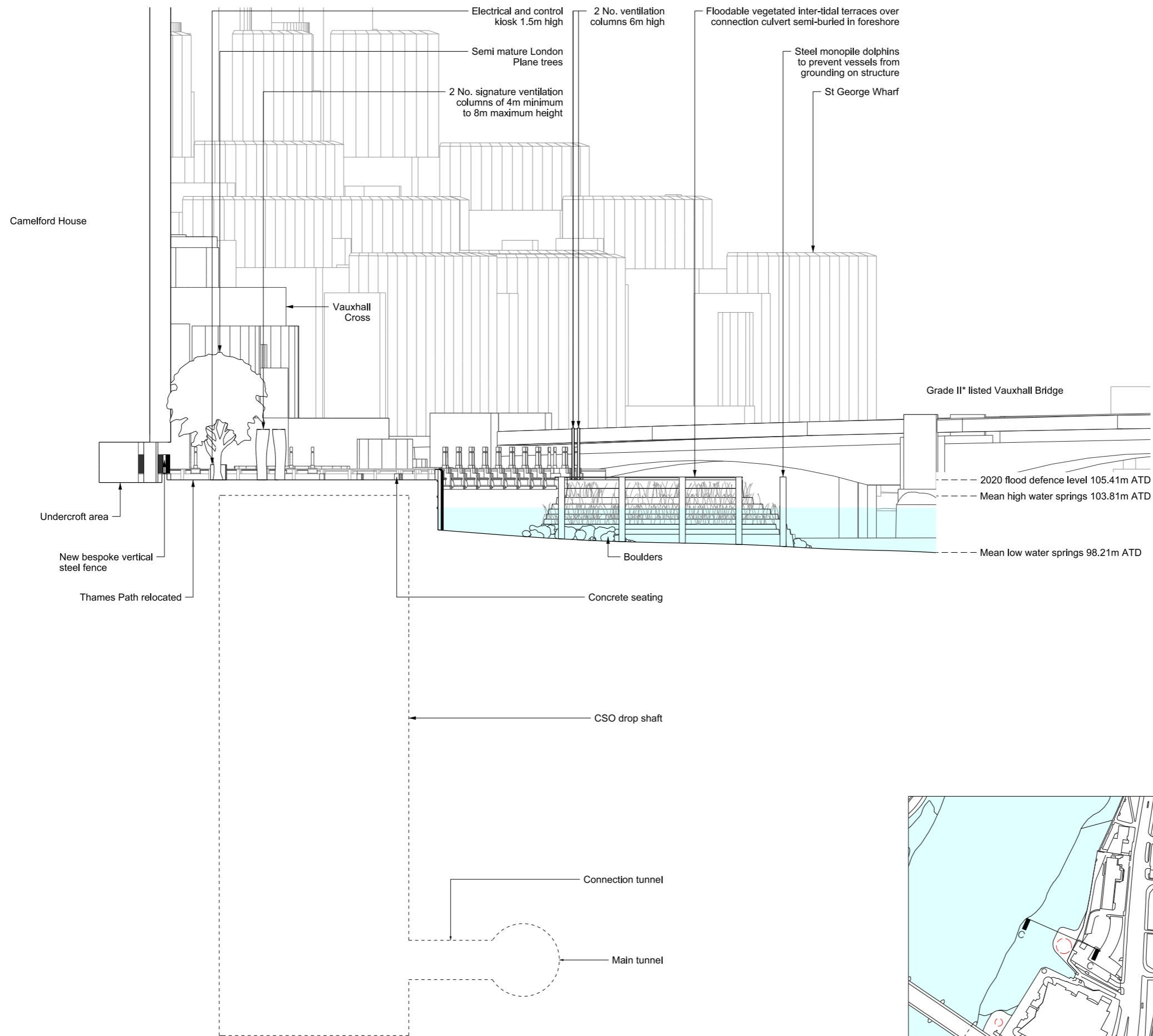
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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.

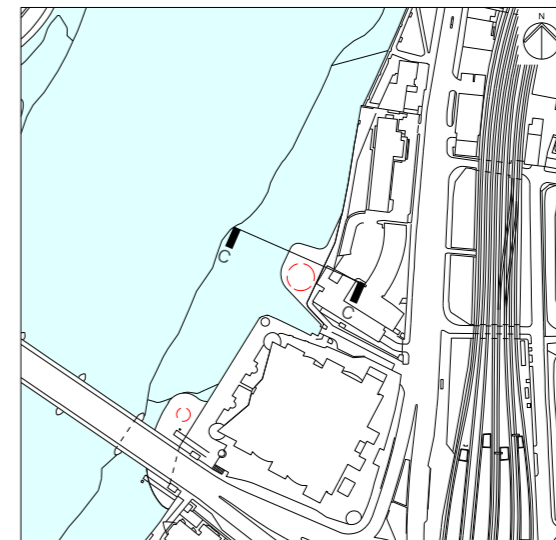


ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Section CC

Book of plans - section 17
DCO-PP-15X-ALBEF-170018
January 2013



Section CC

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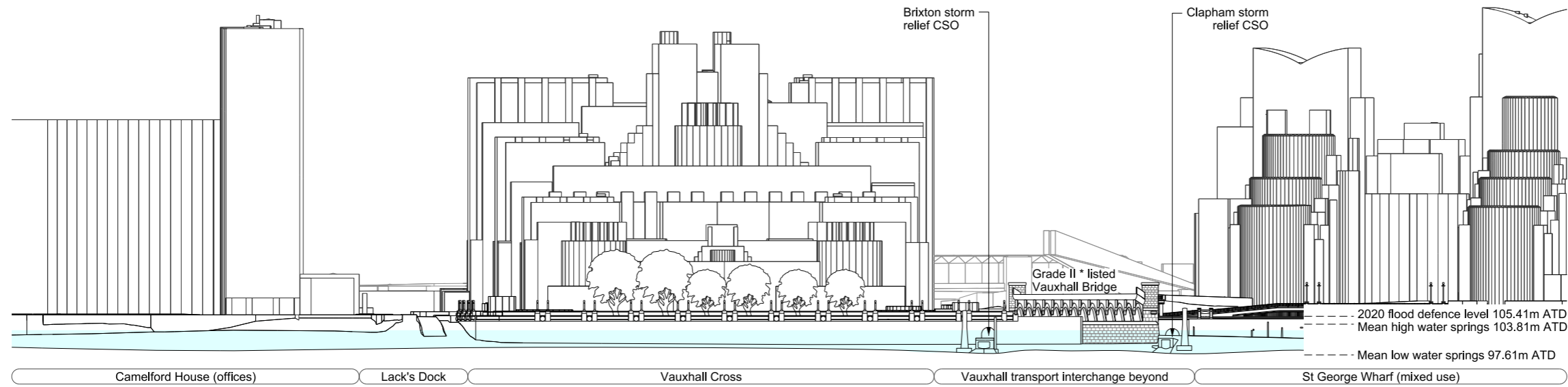
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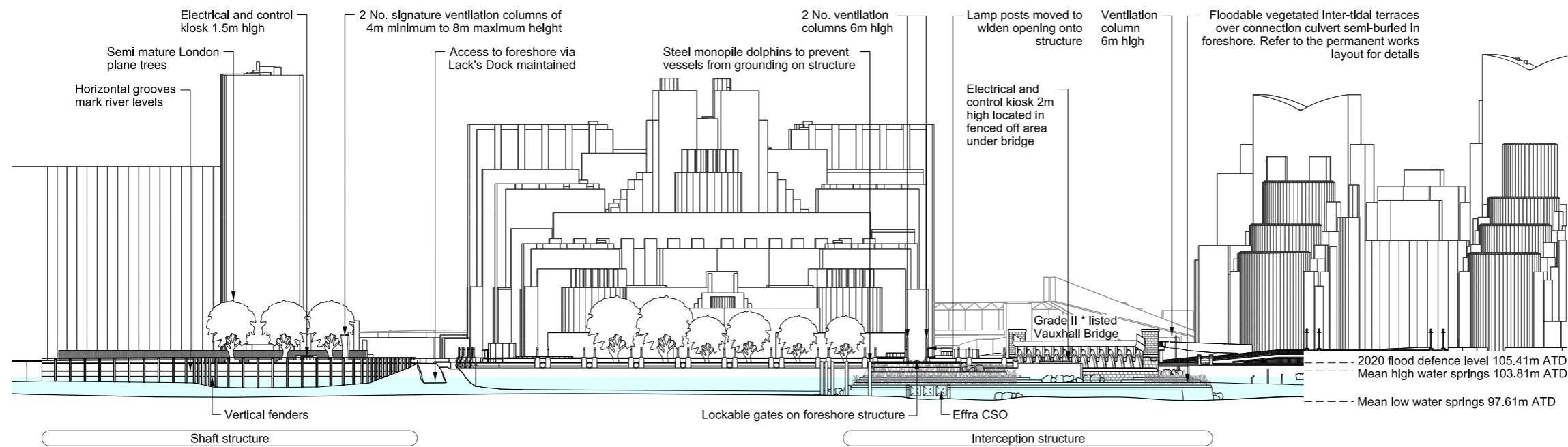
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:

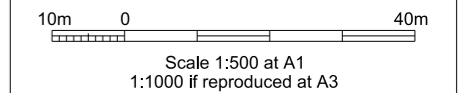
1. All dimensions and levels are approximate.



As existing West (river) elevation



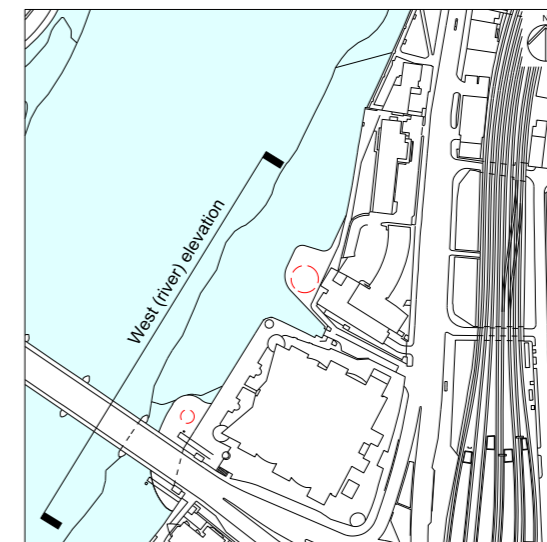
Proposed West (river) elevation



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
As existing and proposed
West (river) elevation
Book of plans - section 17
DCO-PP-15X-ALBEF-170019
January 2013



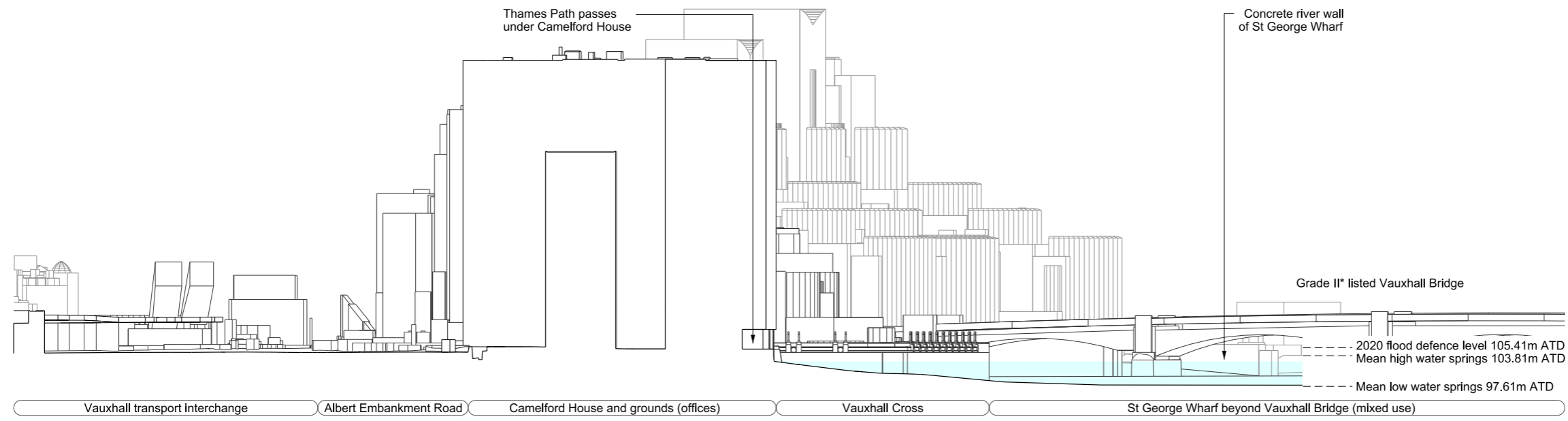
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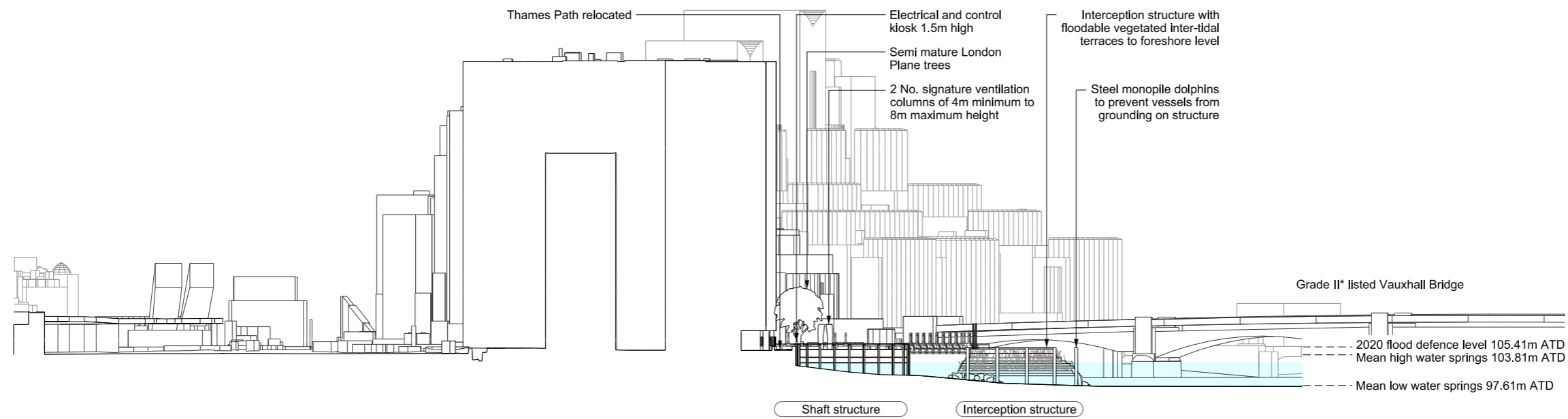
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:

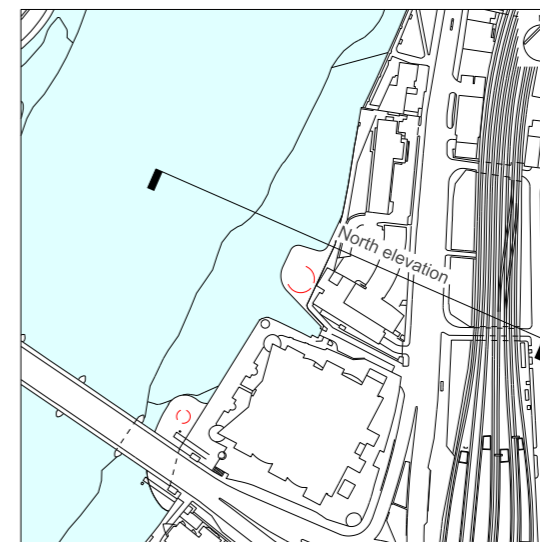
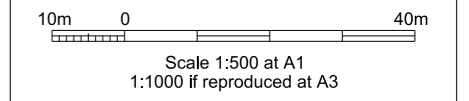
1. All dimensions and levels are approximate.



As existing North elevation



Proposed North elevation



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
As existing and proposed
North elevation
Book of plans - section 17
DCO-PP-15X-ALBEF-170020
January 2013

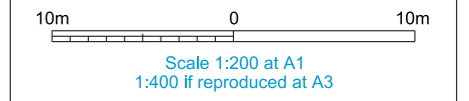
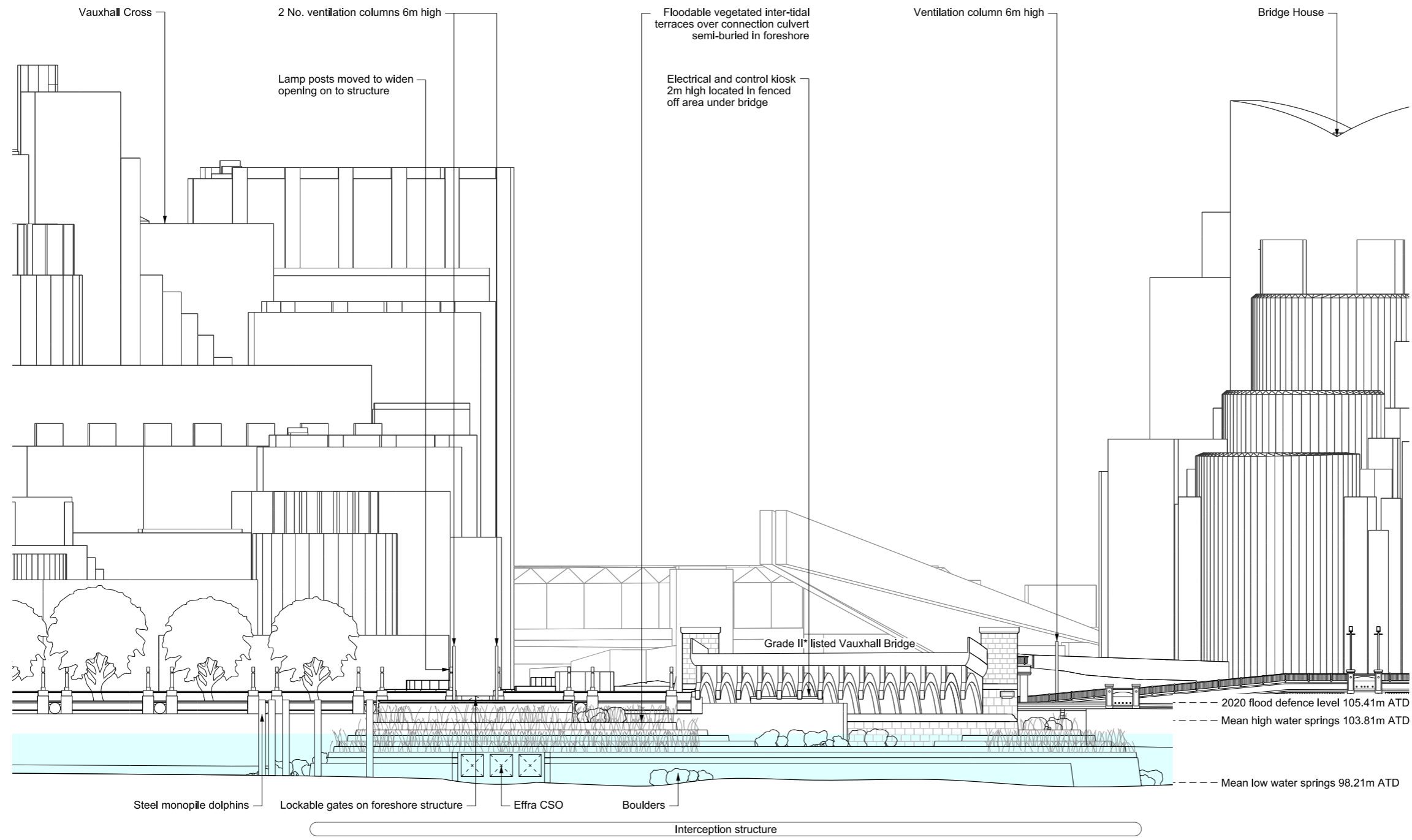


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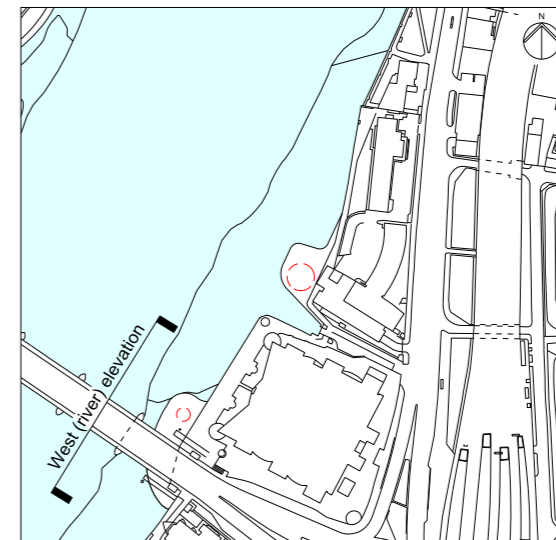


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:
1. All dimensions and levels are approximate.



Proposed interception structure West (river) elevation



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed
West (river) elevation - interception structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170021
January 2013



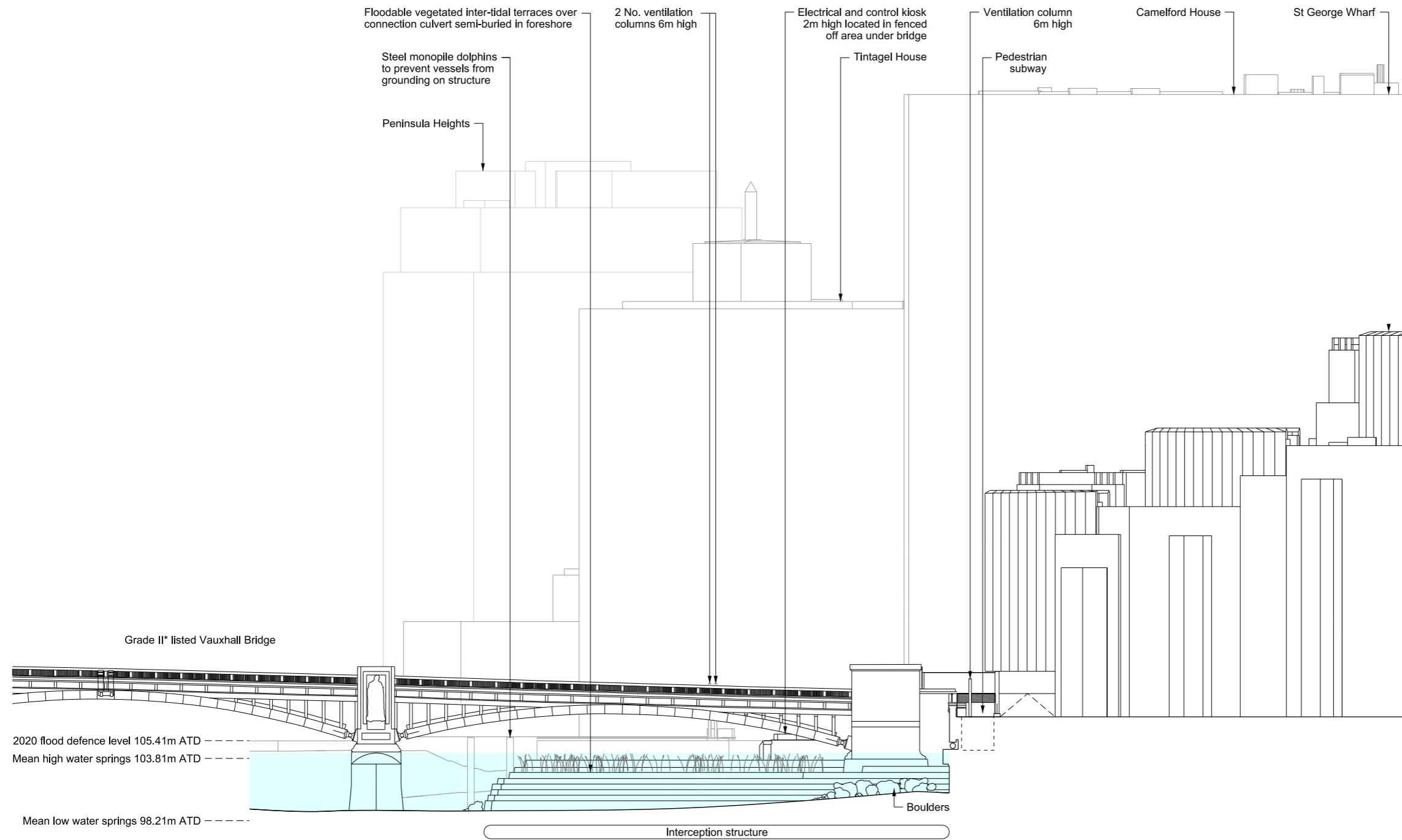
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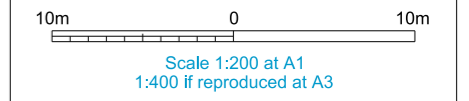
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:

1. All dimensions and levels are approximate.



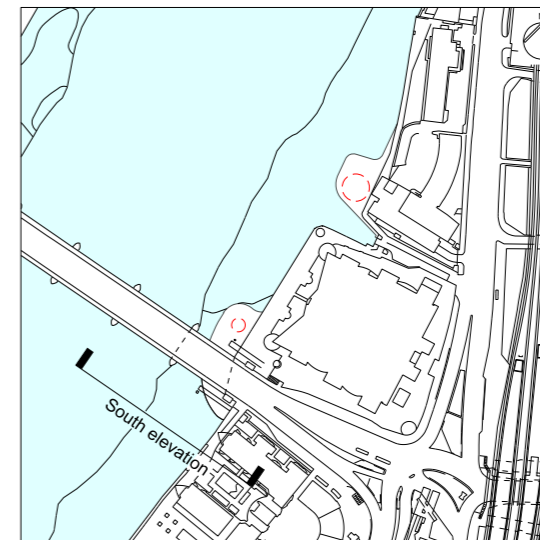
Proposed interception structure South elevation



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed
South elevation - interception structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170022
January 2013



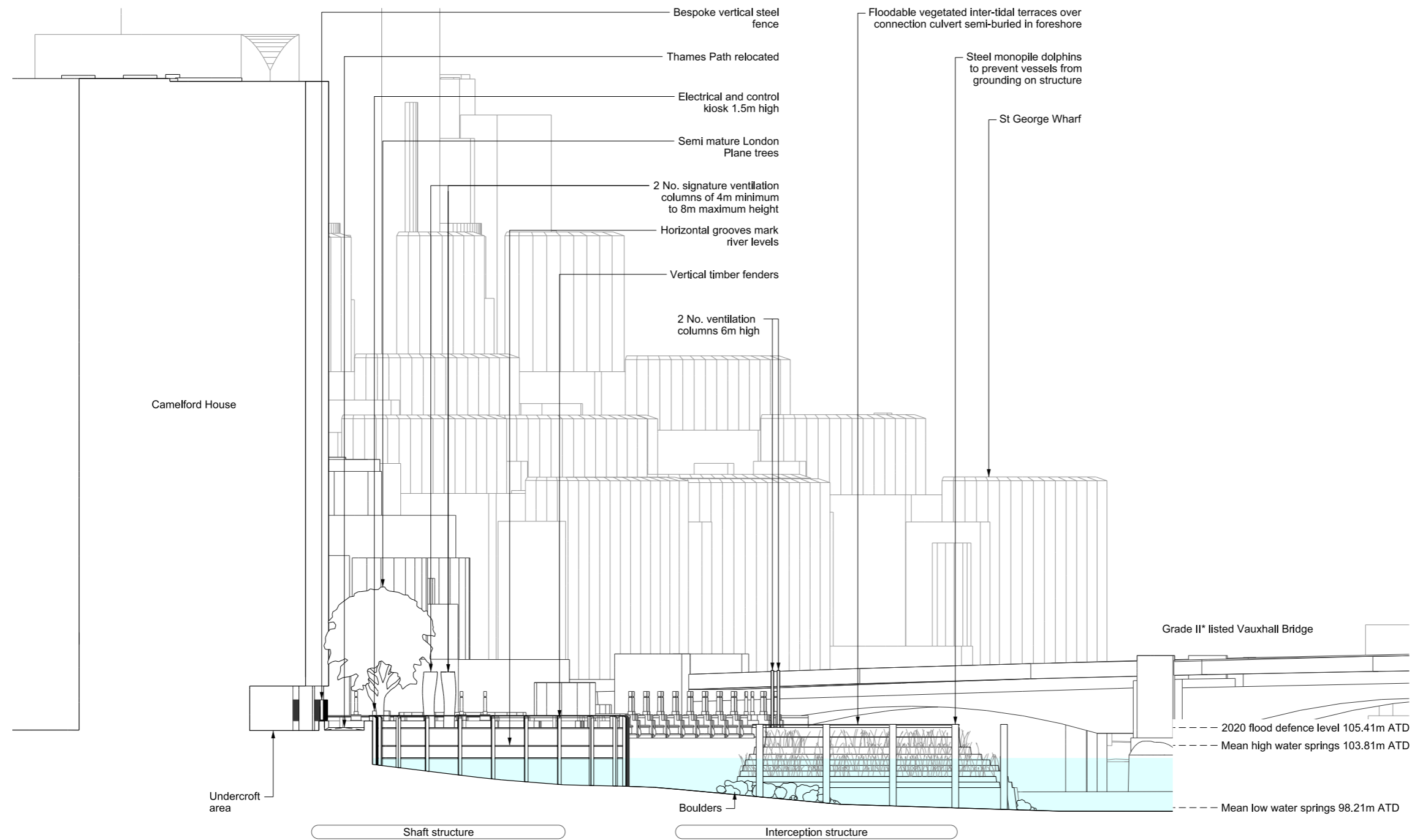
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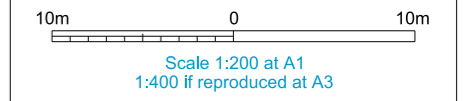
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:

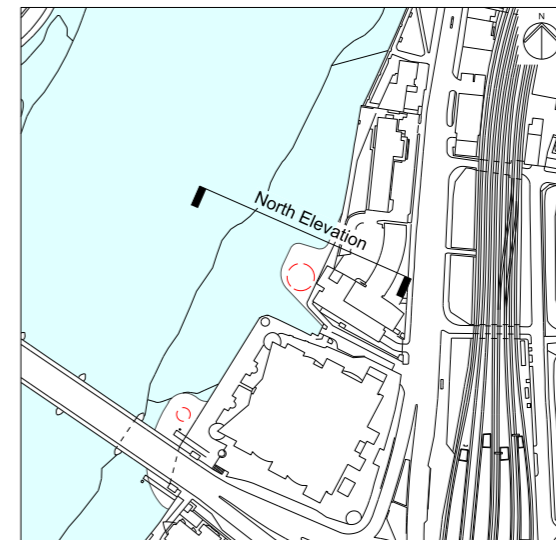
1. All dimensions and levels are approximate.



Proposed shaft structure North elevation



ILLUSTRATIVE



Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 Proposed
 North elevation - shaft structure
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170023
 January 2013

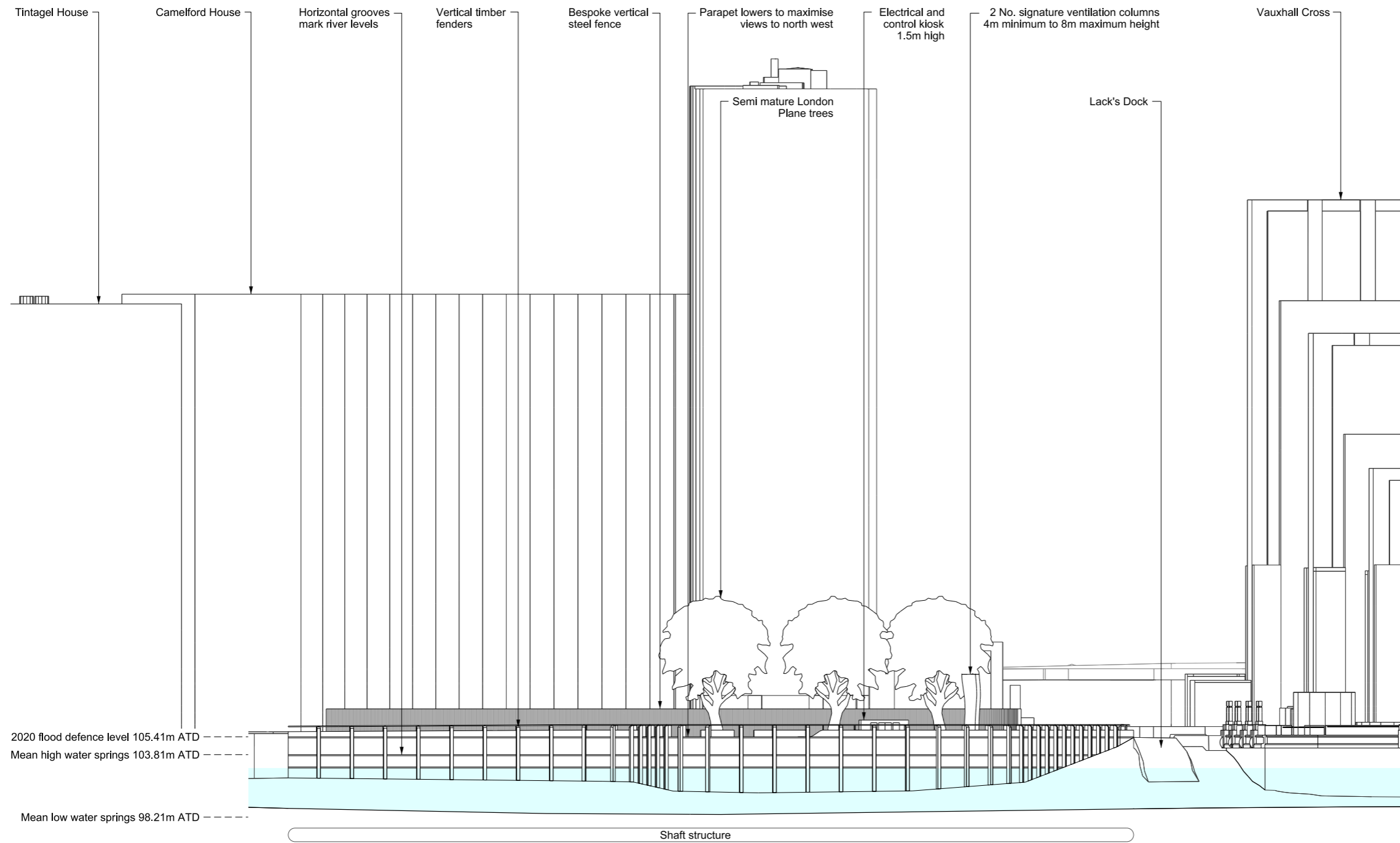


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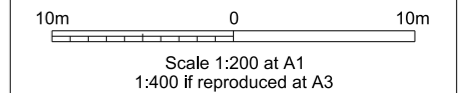


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:
1. All dimensions and levels are approximate.



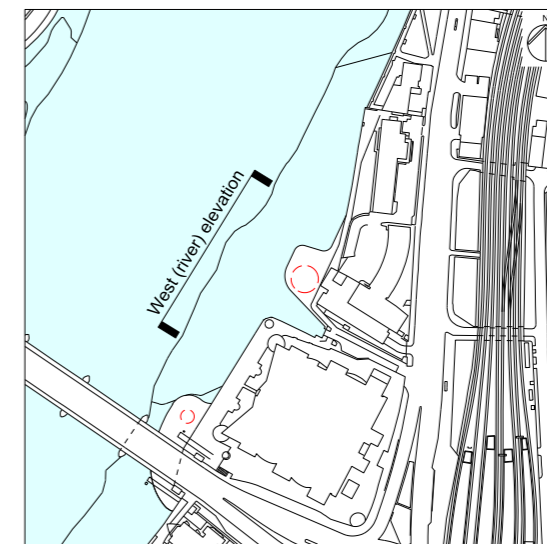
Proposed shaft structure West (river) elevation



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed
West (river) elevation - shaft structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170024
January 2013

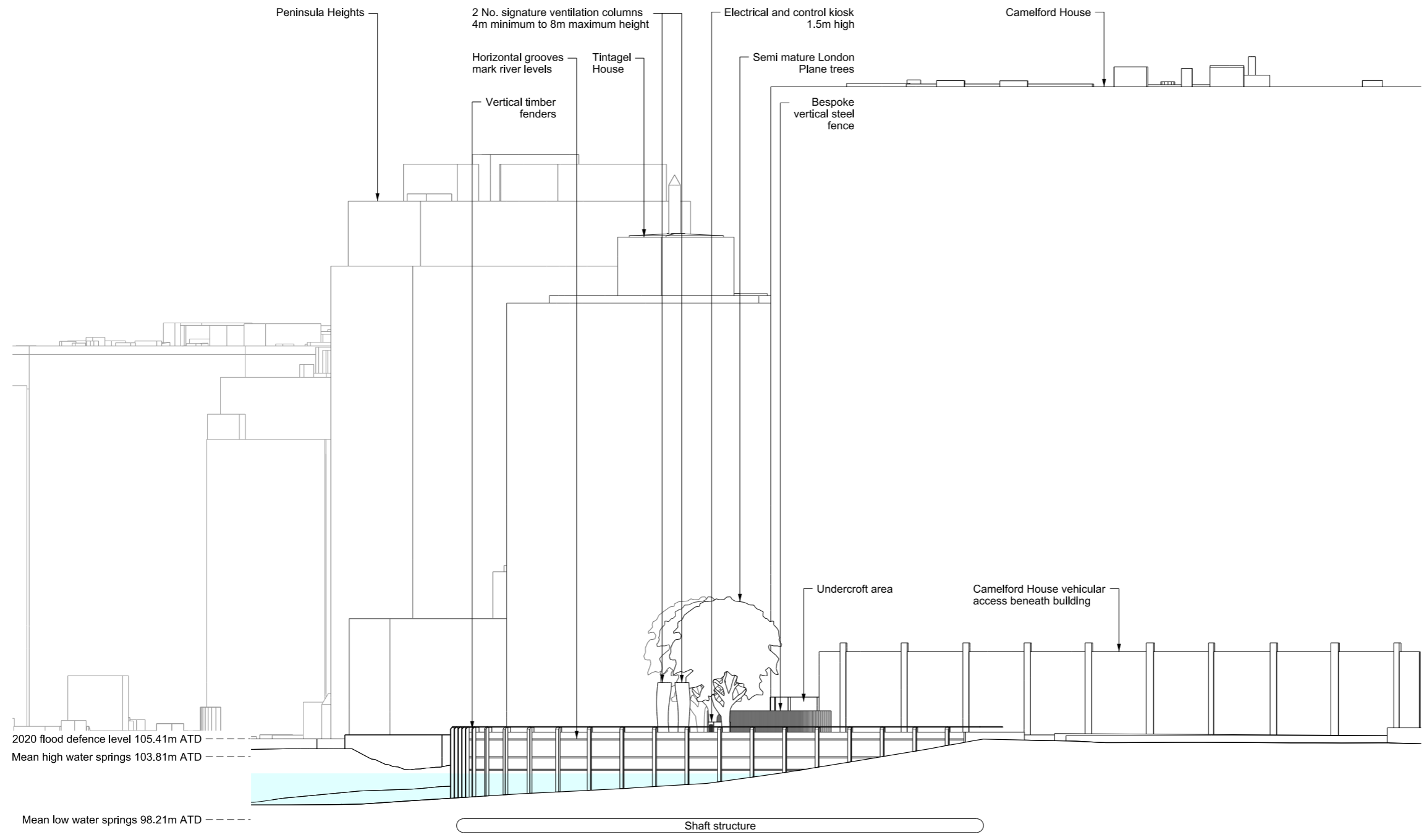


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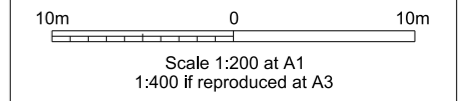


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

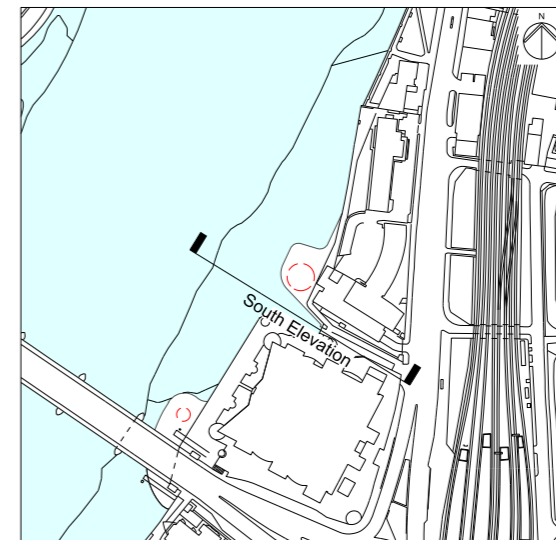
Notes:
1. All dimensions and levels are approximate.



Proposed shaft structure South elevation



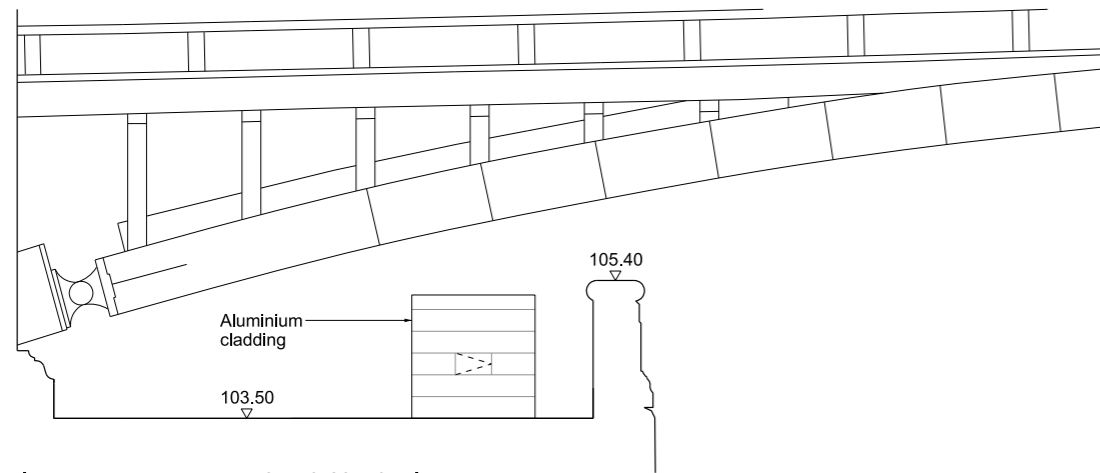
ILLUSTRATIVE



Location
Albert Embankment Foreshore
London Borough of Lambeth

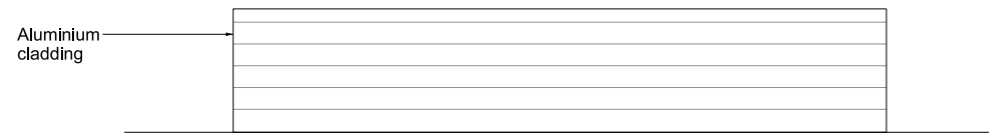
Document Information
Application for Development Consent
Proposed
South elevation - shaft structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170025
January 2013





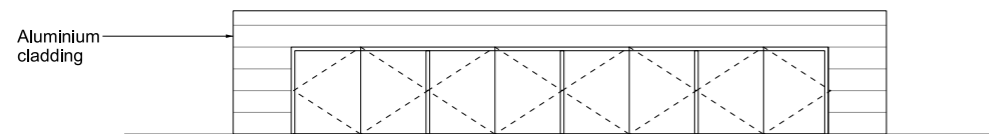
Interception structure kiosk North elevation

Scale 1:50



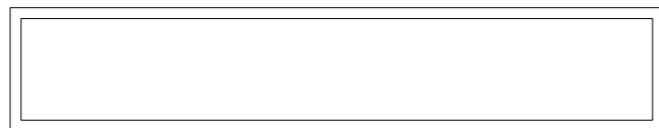
Interception structure kiosk West elevation

Scale 1:50



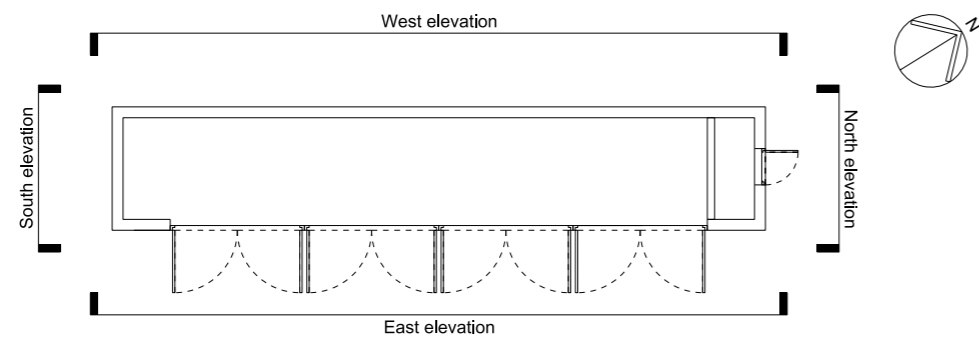
Interception structure kiosk East elevation

Scale 1:50



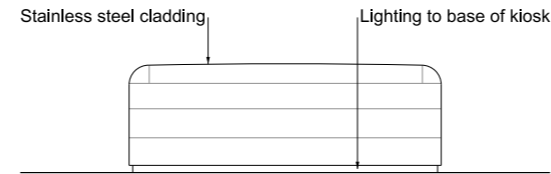
Interception structure kiosk roof plan

Scale 1:50



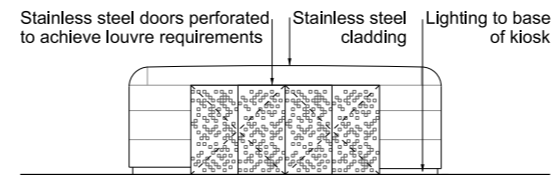
Interception structure kiosk plan

Scale 1:50



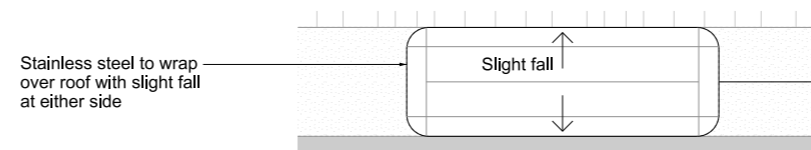
Shaft structure kiosk East elevation

Scale 1:50



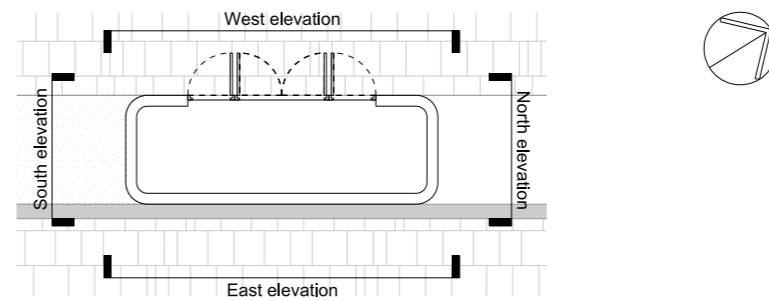
Shaft structure kiosk West elevation

Scale 1:50



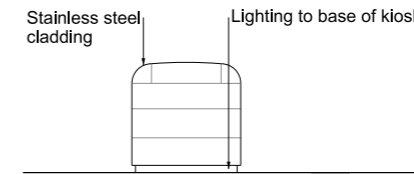
Shaft structure kiosk roof plan

Scale 1:50



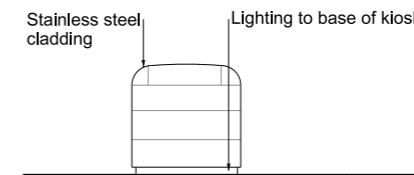
Shaft structure kiosk plan

Scale 1:50



Shaft structure kiosk South elevation

Scale 1:50



Shaft structure kiosk North elevation

Scale 1:50

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Keyplan:



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.



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

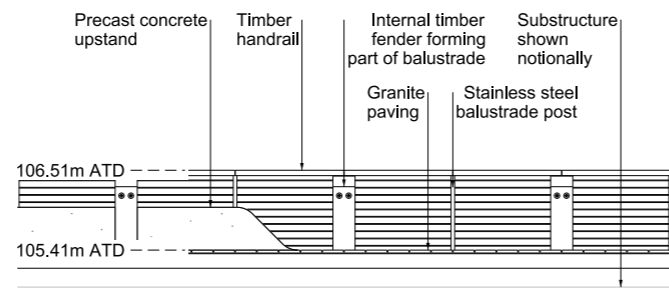
INDICATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Kiosk design intent

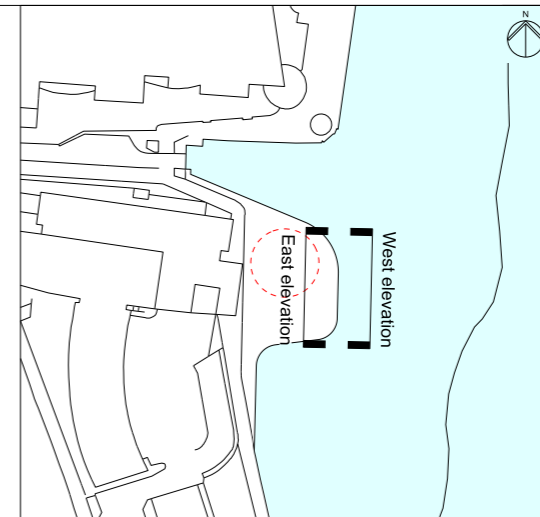
Book of plans - section 17
DCO-PP-15X-ALBEF-170026
January 2013





East elevation

Scale 1:50

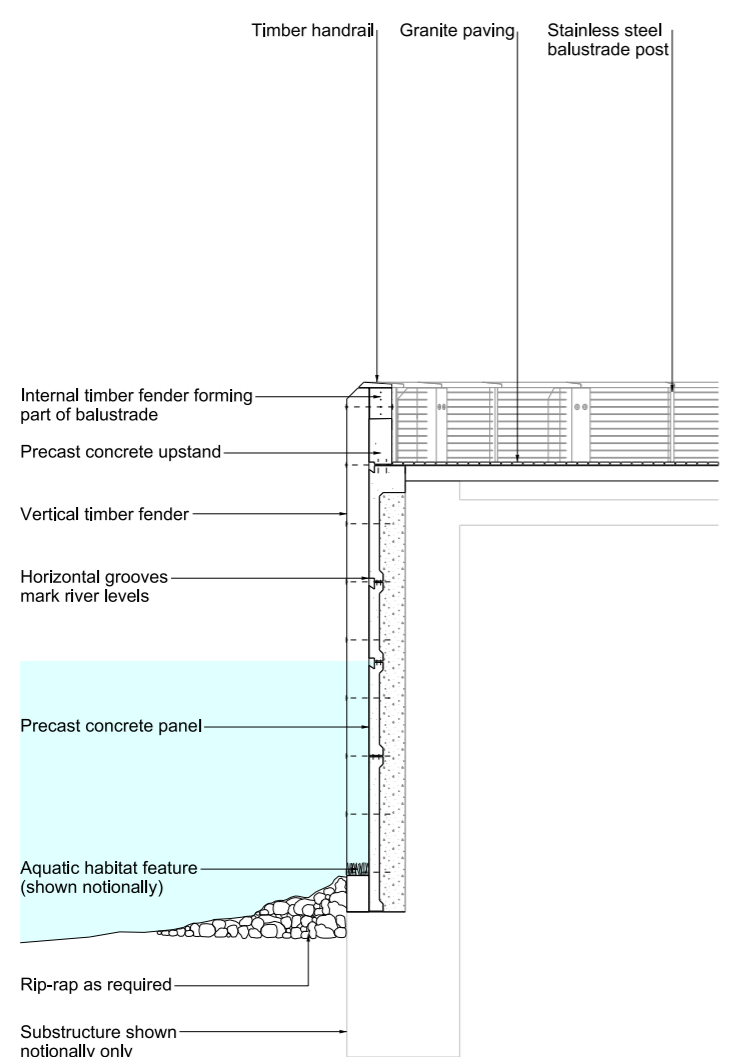


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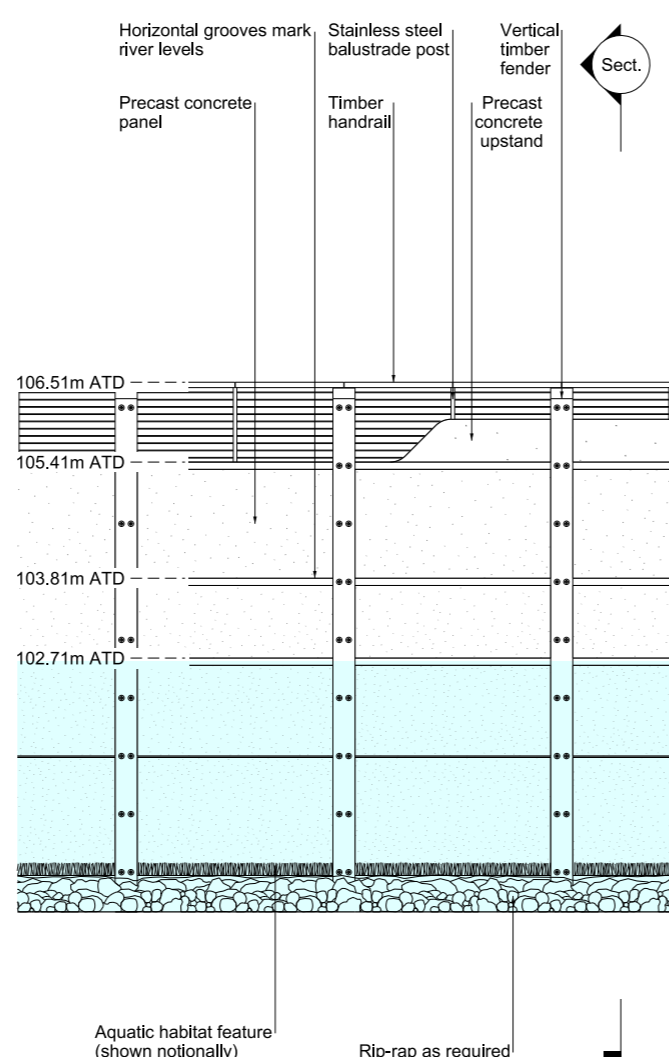
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:
1. All dimensions and levels are approximate.



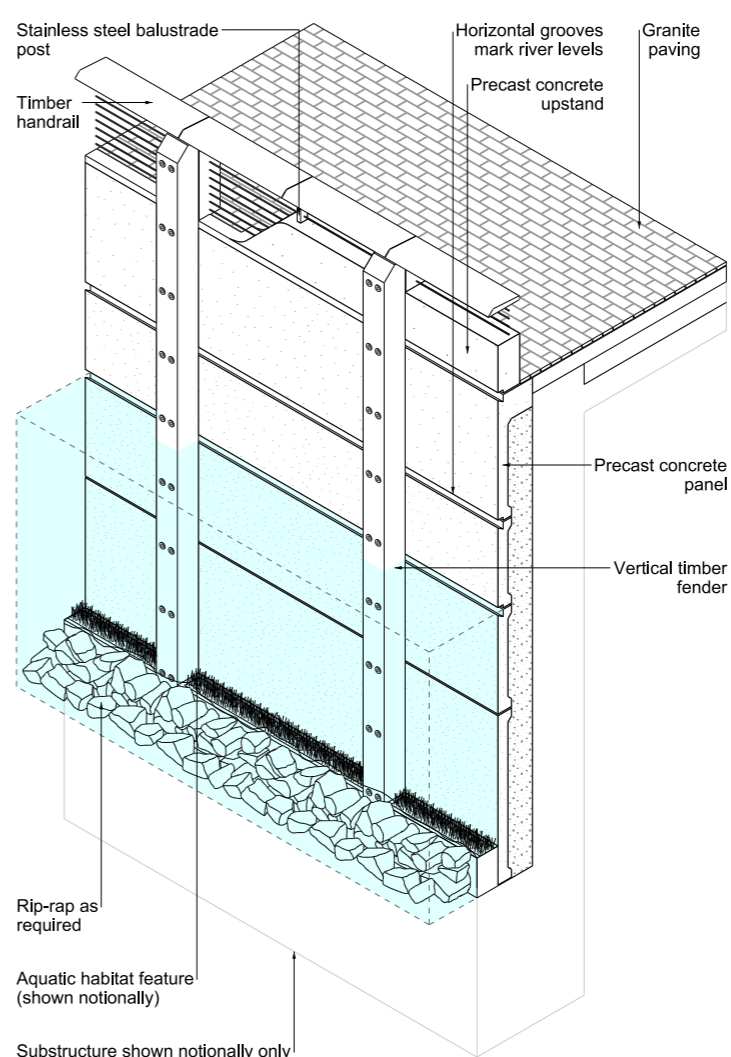
Detail section

Scale 1:50



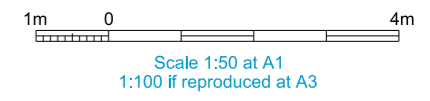
West elevation

Scale 1:50



Isometric

NTS



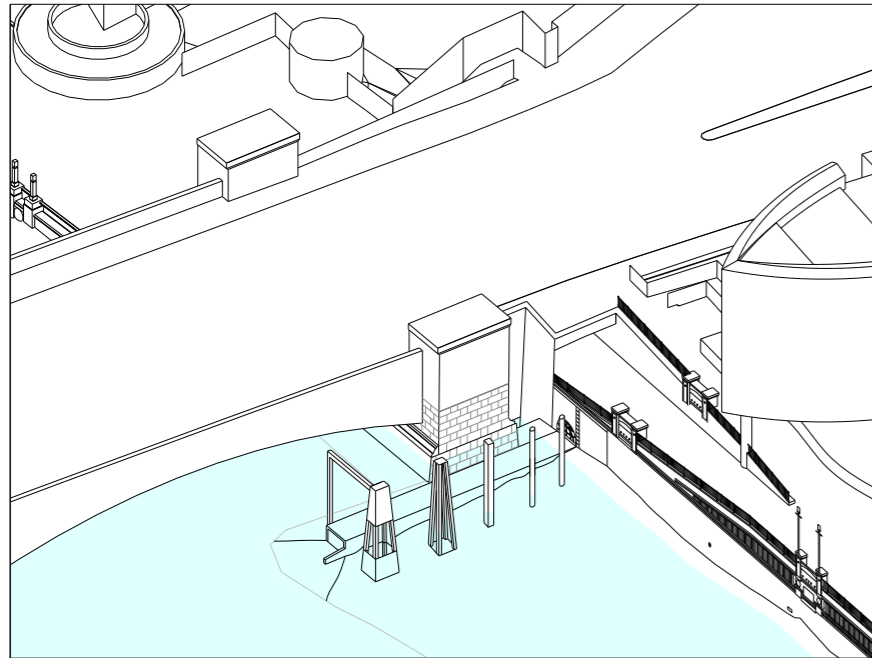
INDICATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Typical river wall design intent

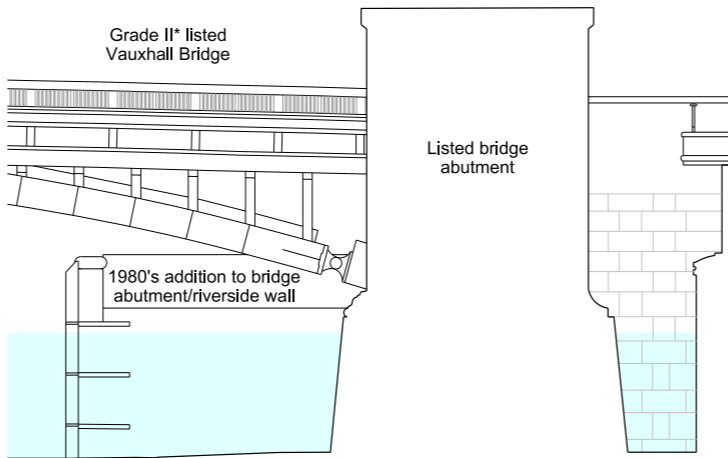
Book of plans - section 17
DCO-PP-15X-ALBEF-170027
January 2013





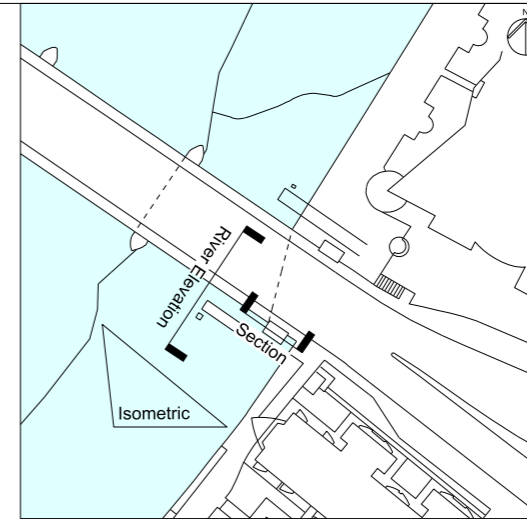
Isometric

Scale NTS



Bridge abutment section

Scale 1:100



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Keyplan:



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

1980's addition to bridge abutment / riverside wall

Steel bridge structure

Listed stone bridge abutment

Outfall apron

Clapham CSO outlet

Floodlight

Foreshore

Grade II* listed Vauxhall Bridge

Timber dolphin

Thames Path ramp down from Vauxhall Bridge

Ladder

Thames Path ramp down to subway through bridge

Timber fender

Concrete river wall in front of St George Wharf

1m 0 4m

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

1m 0 10m

Scale 1:100 at A1
1:200 if reproduced at A3

FOR INFORMATION

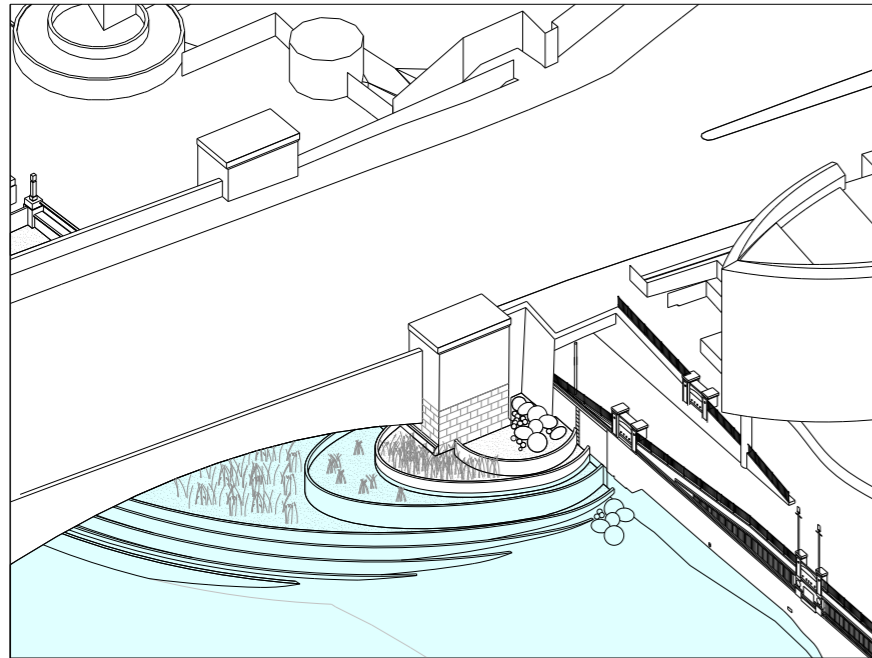
Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
As existing listed structure interface -
Interception structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170028
January 2013



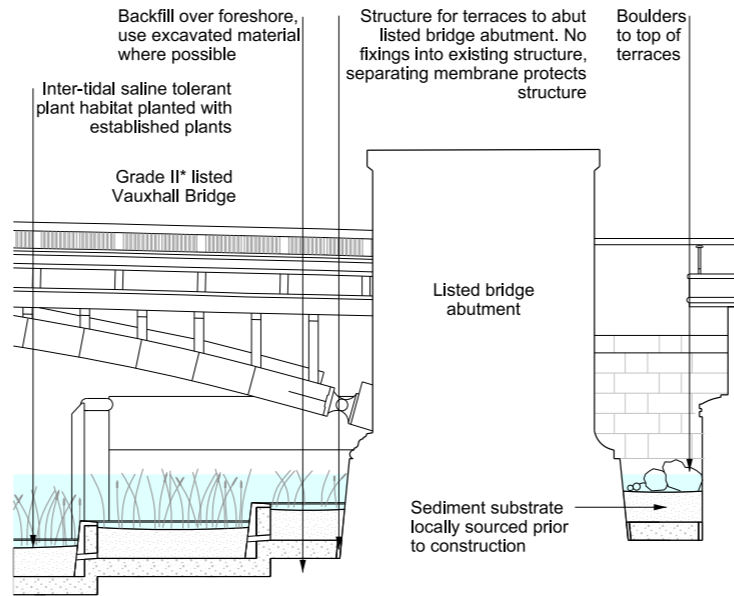
River elevation

Scale 1:50



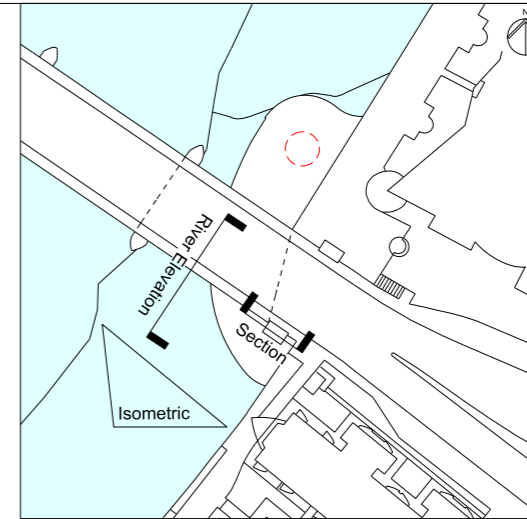
Isometric

Scale NTS



Bridge abutment section

Scale 1:100



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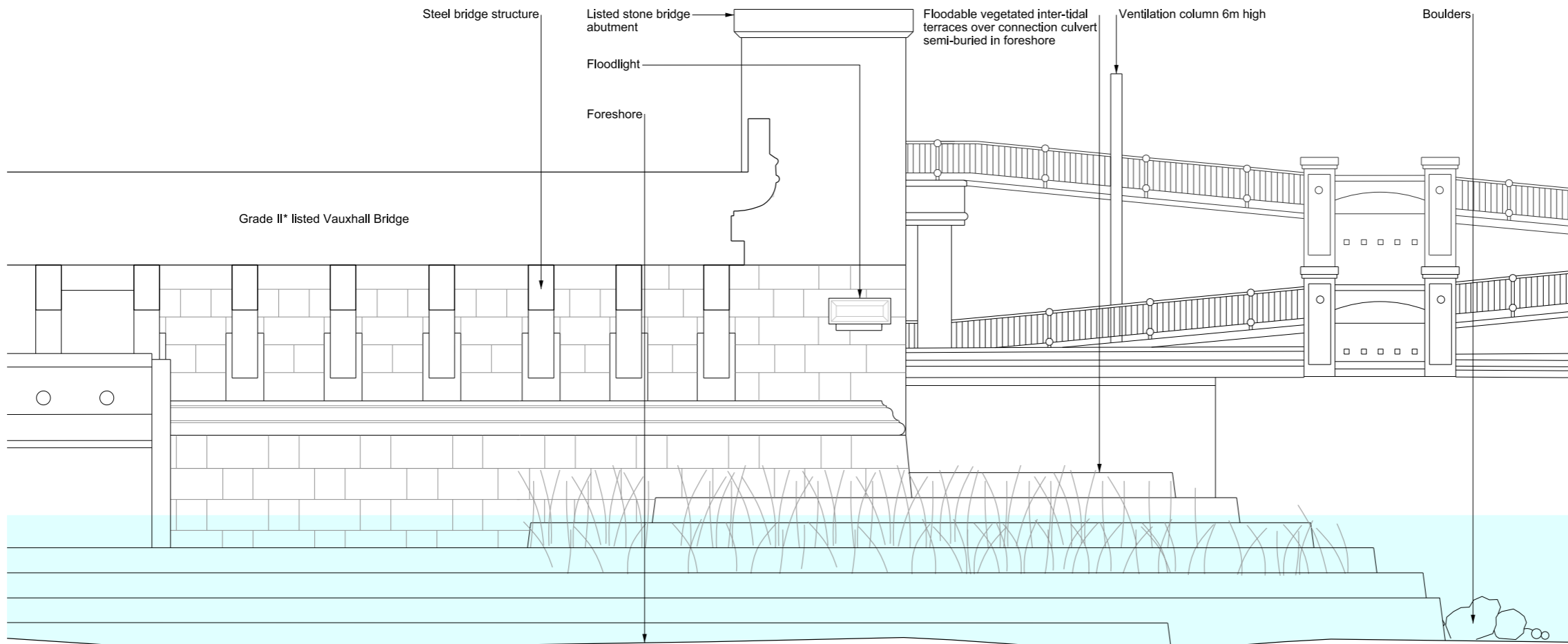
Keyplan:



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.
2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.
3. Navigational signs to be fixed to bridge in accordance with PLA requirements.



River elevation

Scale 1:50



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



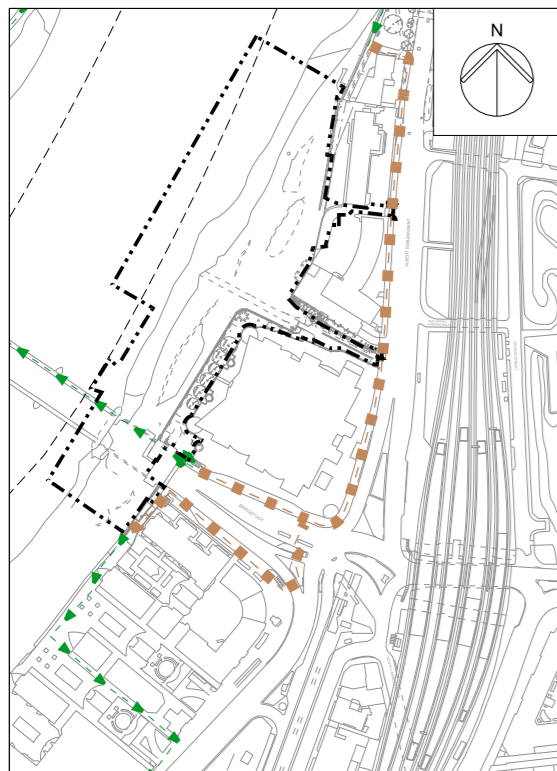
Scale 1:100 at A1
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INDICATIVE

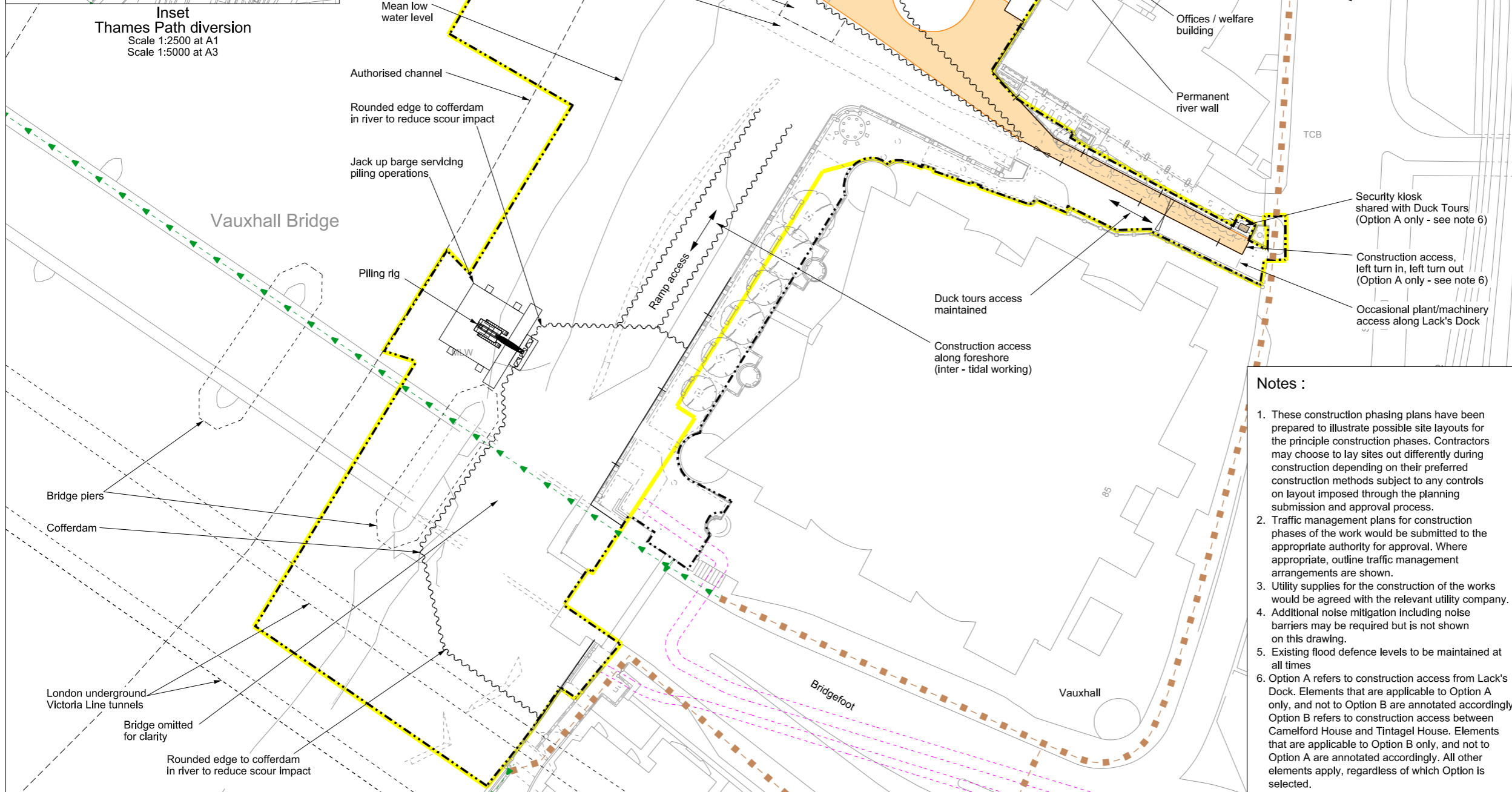
Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Proposed listed structure interface -
Interception structure
Book of plans - section 17
DCO-PP-15X-ALBEF-170029
January 2013





Inset Thames Path diversion
Scale 1:2500 at A1
Scale 1:5000 at A3

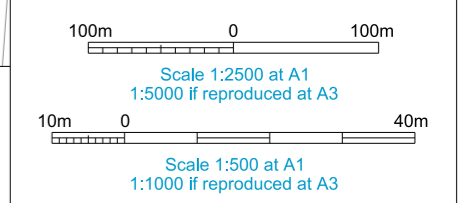


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Keyplan:
This drawing

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.

- 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



- Notes :**
- 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.
 - 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.
 - Utility supplies for the construction of the works would be agreed with the relevant utility company.
 - Additional noise mitigation including noise barriers may be required but is not shown on this drawing.
 - Existing flood defence levels to be maintained at all times
 - Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only, and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to Option B only, and not to Option A are annotated accordingly. All other elements apply, regardless of which Option is selected.

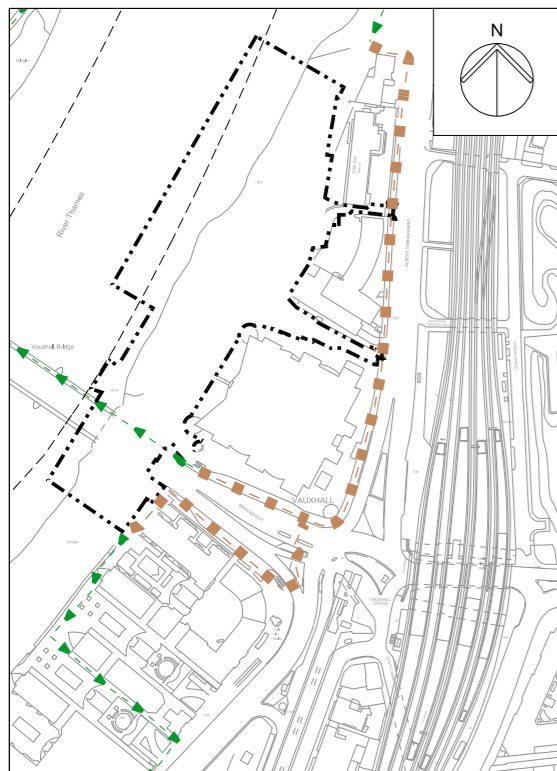
ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

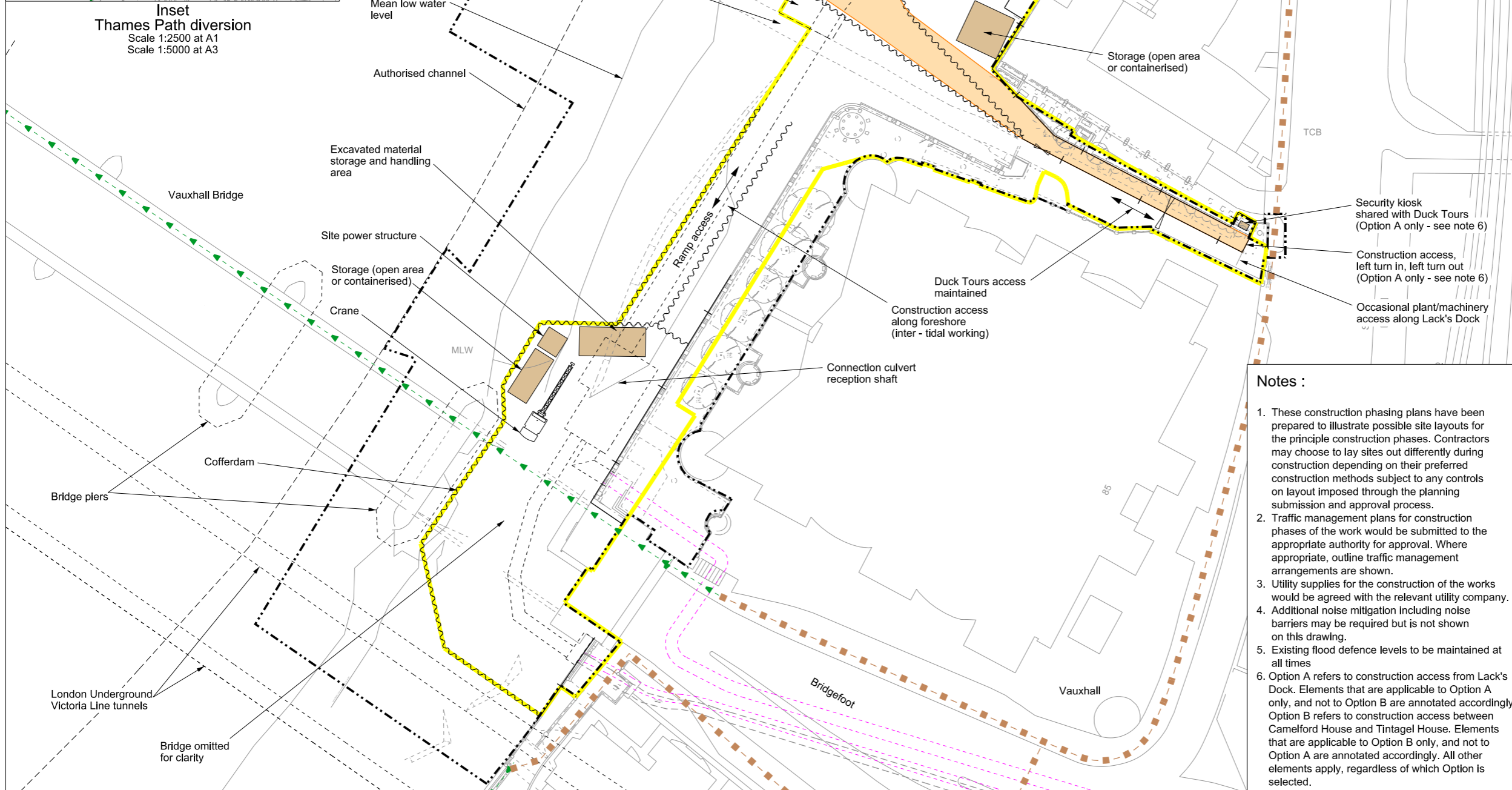
Document Information
Application for Development Consent
Construction phases - phase 1
Site set-up
Book of plans - section 17
DCO-PP-15X-ALBEF-170030
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames

Thames Water



Inset Thames Path diversion
Scale 1:2500 at A1
Scale 1:5000 at A3



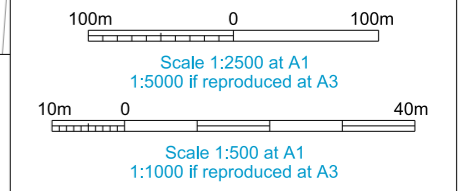
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key:

	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



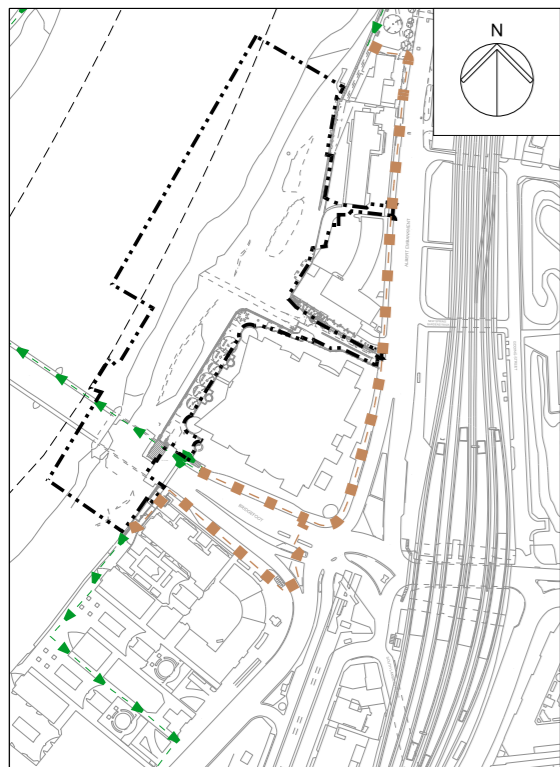
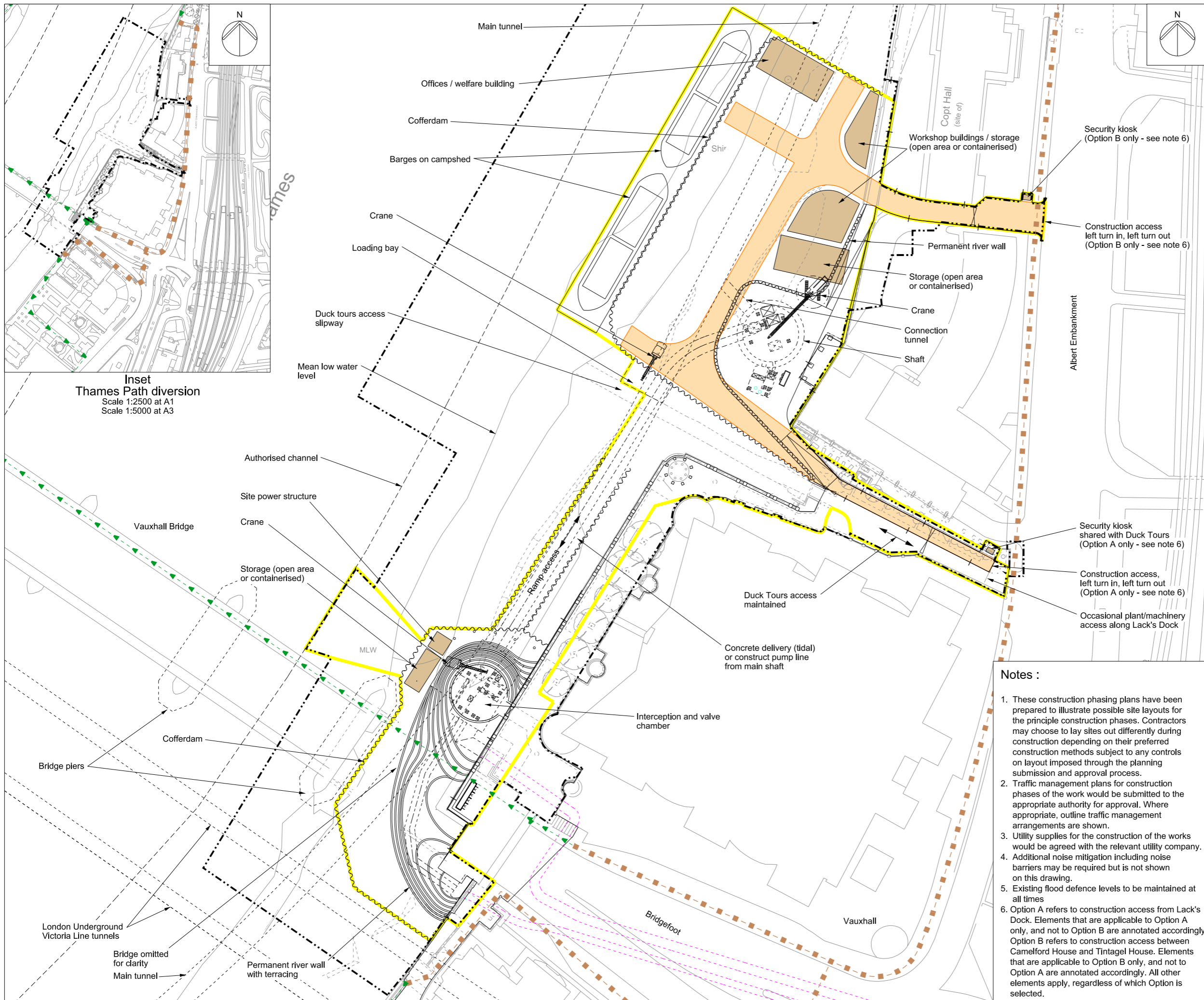
- Notes :**
- These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed through the planning submission and approval process.
 - 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.
 - Utility supplies for the construction of the works would be agreed with the relevant utility company.
 - Additional noise mitigation including noise barriers may be required but is not shown on this drawing.
 - Existing flood defence levels to be maintained at all times
 - Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only, and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to Option B only, and not to Option A are annotated accordingly. All other elements apply, regardless of which Option is selected.

ILLUSTRATIVE

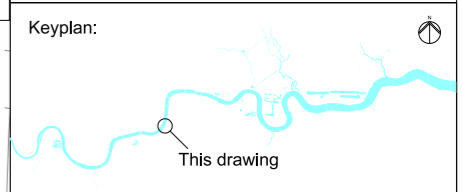
Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Construction phases - phase 2
Shaft construction and tunnelling
Book of plans - section 17
DCO-PP-15X-ALBEF-170031
January 2013





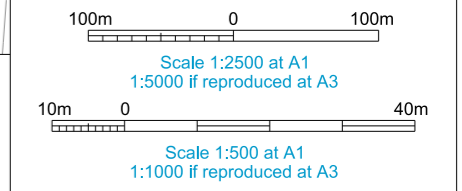
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key:

	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



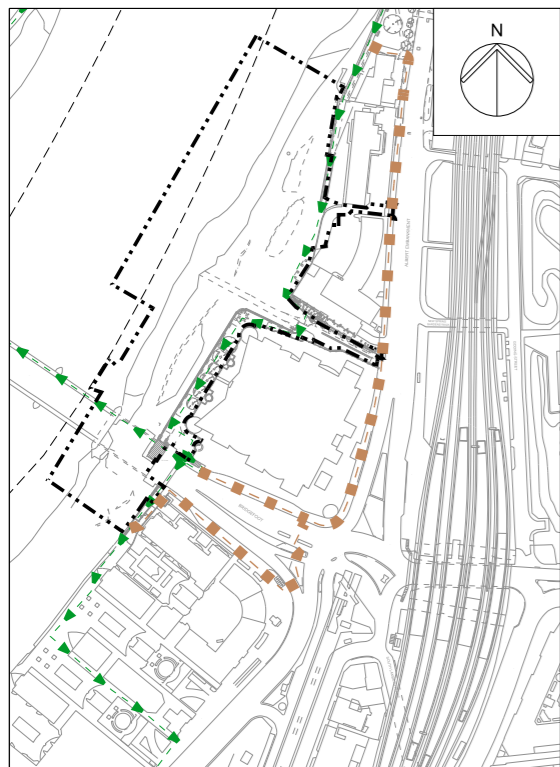
- Notes :**
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed through the planning submission and approval process.
 2. Traffic management plans for construction phases 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.
 5. Existing flood defence levels to be maintained at all times
 6. Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only, and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to Option B only, and not to Option A are annotated accordingly. All other elements apply, regardless of which Option is selected.

ILLUSTRATIVE

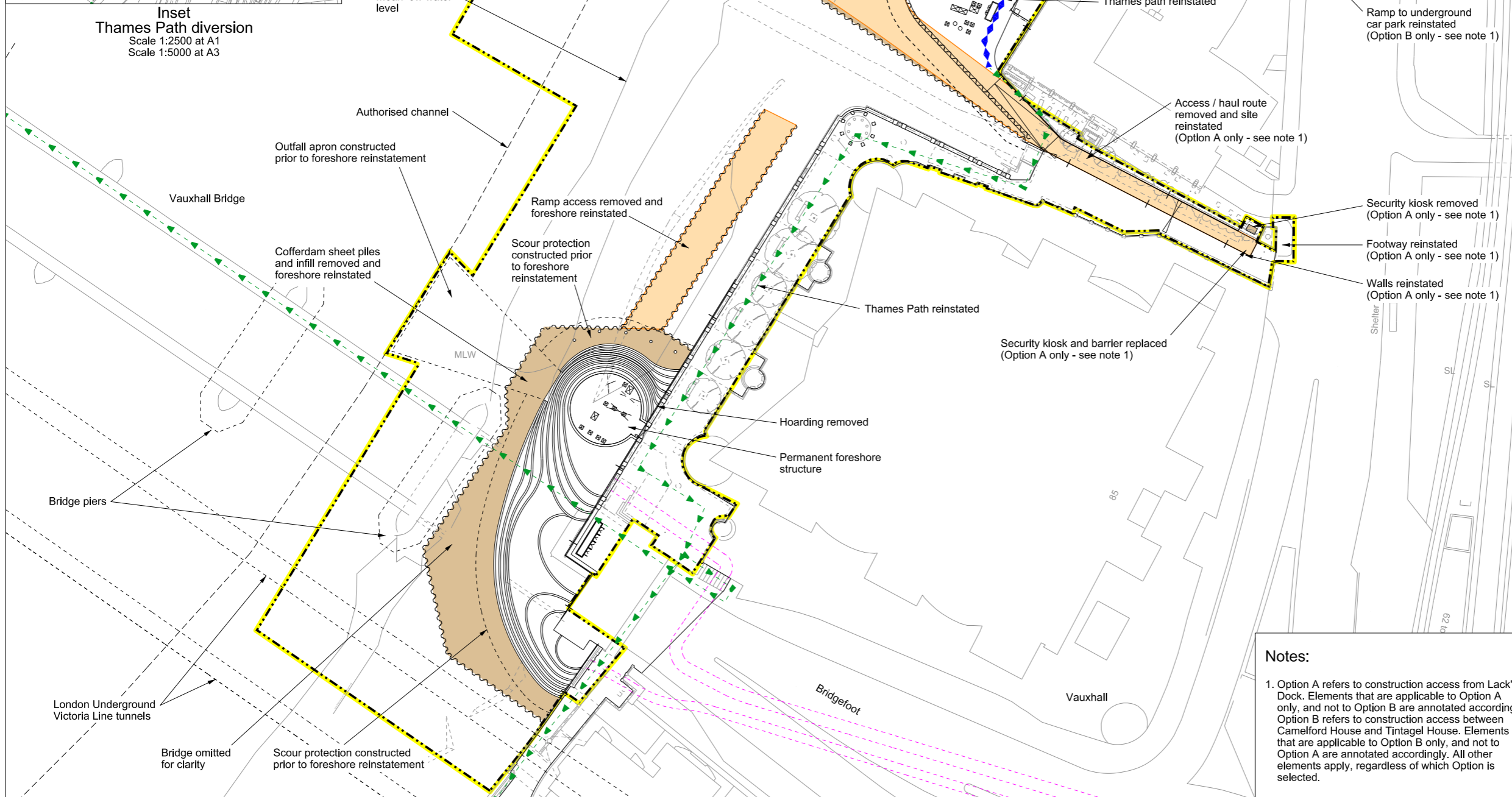
Location
Albert Embankment Foreshore
 London Borough of Lambeth

Document Information
Application for Development Consent
 Construction phases - phase 3
 Construction of other structures
 Book of plans - section 17
 DCO-PP-15X-ALBEF-170032
 January 2013

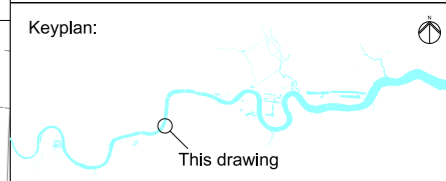




**Inset
Thames Path diversion**
Scale 1:2500 at A1
Scale 1:5000 at A3

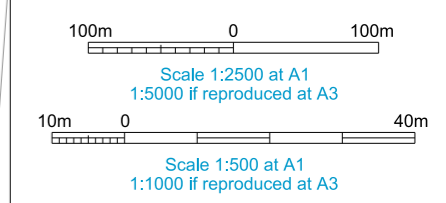


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- 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
 - Provision of permanent permissive right of way
 - Site access
 - Access / haul route
 - Existing sewers
 - Sheet piles



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

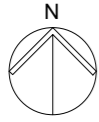
Document Information
Application for Development Consent
Construction phases - phase 4
Site demobilisation
Book of plans - section 17
DCO-PP-15X-ALBEF-170033
January 2013



Notes:

1. Option A refers to construction access from Lack's Dock. Elements that are applicable to Option A only, and not to Option B are annotated accordingly. Option B refers to construction access between Camelford House and Tintagel House. Elements that are applicable to Option B only, and not to Option A are annotated accordingly. All other elements apply, regardless of which Option is selected.

Existing & construction base case highway layout

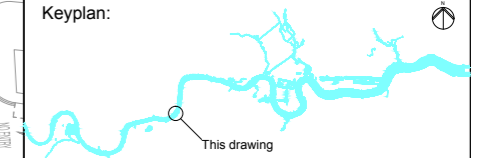


Highway layout during construction



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Keyplan:



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 | <ul style="list-style-type: none"> Parking restrictions Private parking Bus stop / stand Bus lane Pedestrian crossing Cycle lane / cycle track Ventilation shaft |
| Revised | <ul style="list-style-type: none"> Removal of footway Suspended private parking Illustrative on-site manoeuvring zone Relocated tactile paving Relocated site hut Visibility splay - 2.4m x 43m (ssd adjust for bonnet length) Site hoarding Access gate Limit of land to be acquired or used (LLAU) |
- PLH1X_C00 See schedule of works

On Street Parking

Private parking - Private parking for Camelford House and Tintagel House

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, CIHT, 2010
- Designing for Deliveries, Fta, 1998
- Cycle Infrastructure Design Ltn 2/08, DfT, 2008
- Design of Pedestrian Crossings Ltn 2/95, DfT, 1995
- Guidance on the use of Tactile Paving Surfaces, DfT, 1998
- Accessible Bus Stop Design Guidance, TfL, 2006

Stage

Phase 2



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

ILLUSTRATIVE

Location

Albert Embankment Foreshore
London Borough of Lambeth

Document Information

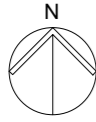
Application for Development Consent
Highway layout during construction - Option A

DCO-PP-15X-ALBEF-170038
January 2013

Thames Tideway Tunnel
Creating a cleaner healthier River Thames



Existing & construction base case highway layout



Highway layout during construction



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Keyplan:



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.

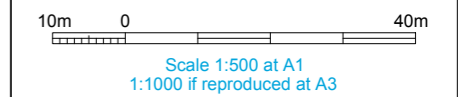
Key

- | | |
|-----------------|---|
| Existing | <ul style="list-style-type: none"> Parking restrictions Private parking Bus stop / stand Bus lane Pedestrian crossing Cycle lane / cycle track Ventilation shaft |
| Revised | <ul style="list-style-type: none"> Removal of footway Suspended private parking Illustrative on-site manoeuvring zone Relocated site hut Visibility splay - 2.4m x 43m (ssd adjust for bonnet length) Site hoarding Access gate Limit of land to be acquired or used (LLAU) |
- PLH2X_C00 See schedule of works

On Street Parking
Private parking - Private parking for Camelford House and Tintagel House

- 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, CIHT, 2010
 - Designing for Deliveries, Fta, 1998
 - Cycle Infrastructure Design Ltn 2/08, DfT, 2008
 - Design of Pedestrian Crossings Ltn 2/95, DfT, 1995
 - Guidance on the use of Tactile Paving Surfaces, DfT, 1998
 - Accessible Bus Stop Design Guidance, TfL, 2006

Stage
Phase 2



ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Highway layout during construction - Option B

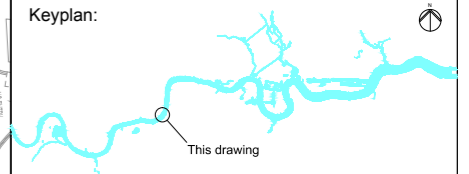
DCO-PP-15X-ALBEF-170039
January 2013



Existing & construction base case highway layout

Permanent highway layout

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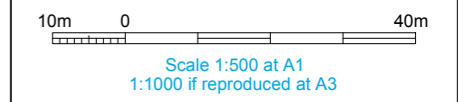
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key	
Existing	
	Parking restrictions
	Private parking
	Bus stop / stand
	Bus lane
	Pedestrian crossing
	Cycle lane / cycle track
	Ventilation shaft
Revised	
	Reinstated footway
	Reinstated parking
	Replacement site hut
	New shoreline wall
	Drop down bollard
	See schedule of works

On Street Parking
Private parking - Private parking for Camelford House and Tintagel House

- 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, CIHT, 2010
 - Designing for Deliveries, Fta, 1998
 - Cycle Infrastructure Design Ltn 2/08, DfT, 2008
 - Design of Pedestrian Crossings Ltn 2/95, DfT, 1995
 - Guidance on the use of Tactile Paving Surfaces, DfT, 1998
 - Accessible Bus Stop Design Guidance, TfL, 2006

Stage
Permanent phase

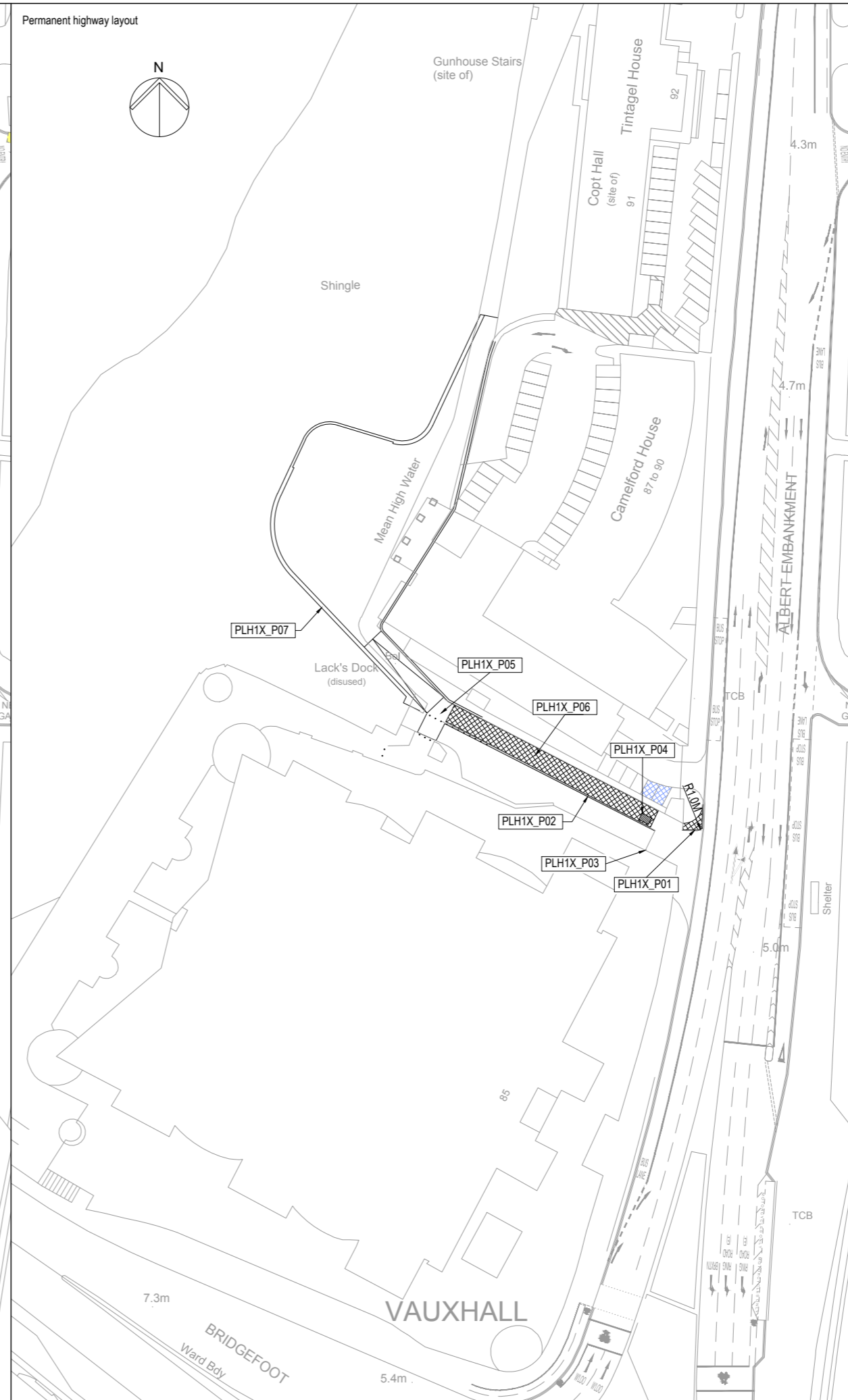
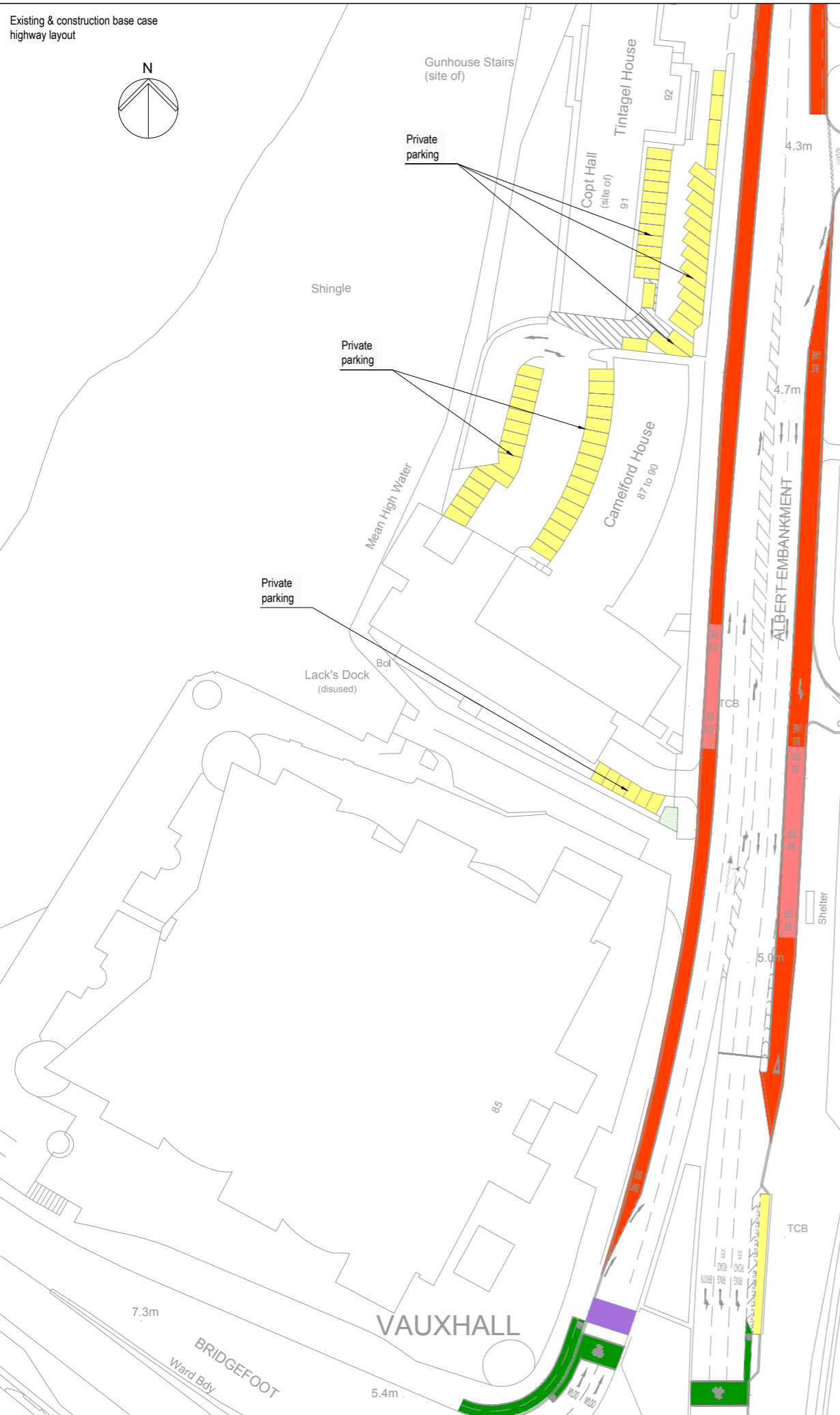


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Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Permanent highway layout - Option A

DCO-PP-15X-ALBEF-170040
January 2013



Existing & construction base case highway layout

Permanent highway layout

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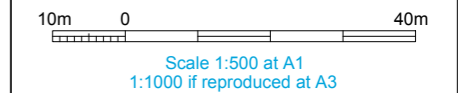
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key	
Existing	
	Parking restrictions
	Private parking
	Bus stop / stand
	Bus lane
	Pedestrian crossing
	Cycle lane / cycle track
	Ventilation shaft
Revised	
	Reinstated footway
	Reinstated parking
	Replacement site hut
	New shoreline wall
	Drop down bollard
	See schedule of works

On Street Parking
Private parking - Private parking for Camelford House and Tintagel House

- Standards**
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 - Traffic Signs Regulations & General Directions, Tso, 2002
 - Traffic Signs Manual, DfT, 2006
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 - Design of Pedestrian Crossings Ltn 2/95, DfT, 1995
 - Guidance on the use of Tactile Paving Surfaces, DfT, 1998
 - Accessible Bus Stop Design Guidance, TfL, 2006

Stage
Permanent phase

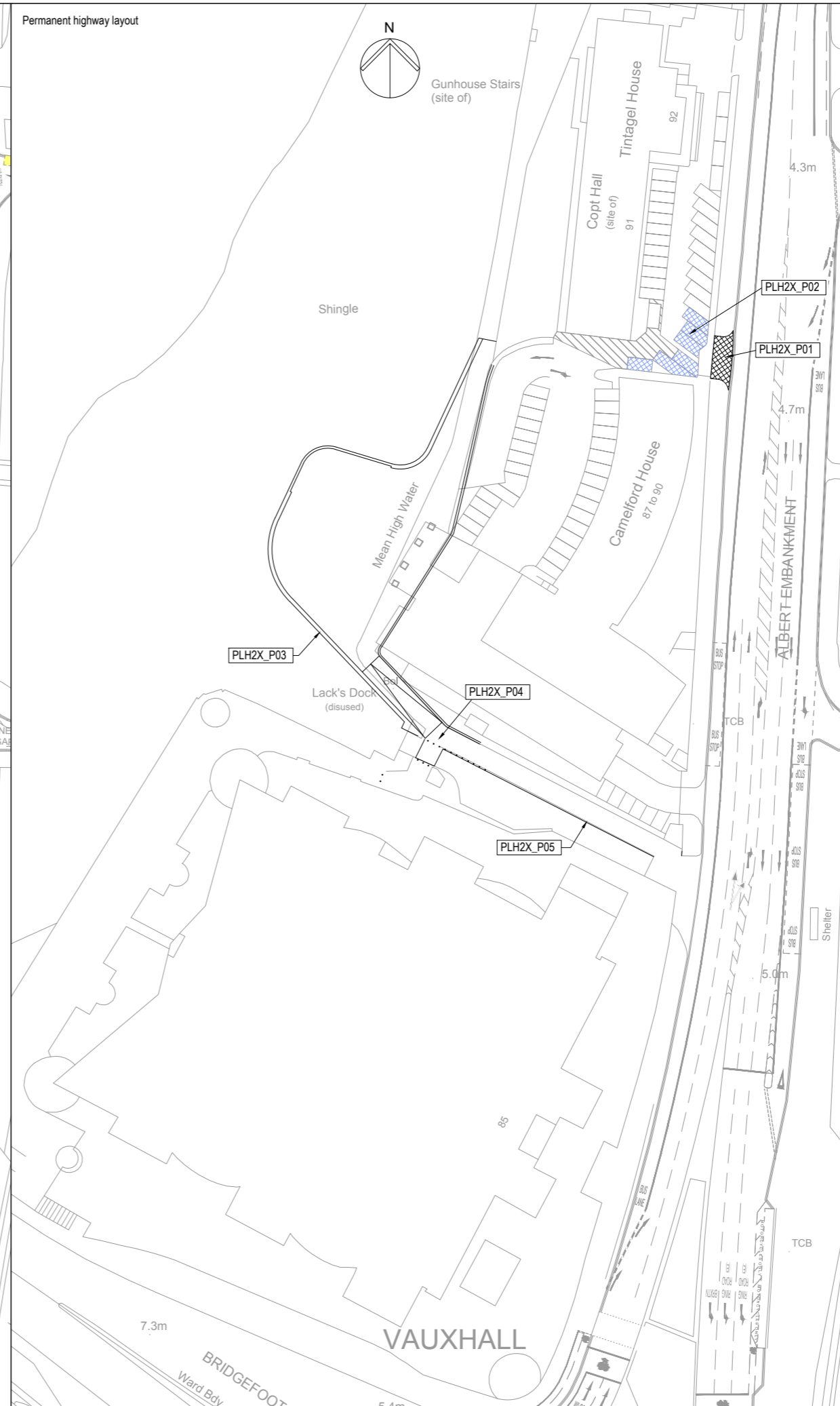


ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Permanent highway layout - Option B

DCO-PP-15X-ALBEF-170041
January 2013



Keyplan

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	
	Parking restrictions
	Private parking
	Bus stop / stand
	Bus lane
	Pedestrian crossing
	Cycle lane / cycle track
	Ventilation shaft
Revised	
	Reinstated footway
	Reinstated parking
	Replacement site hut
	New shoreline wall
	Drop down bollard
	See schedule of works

On Street Parking
Private parking - Private parking for Camelford House and Tintagel House

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, CIHT, 2010
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- Design of Pedestrian Crossings Ltn 2/95, DfT, 1995
- Guidance on the use of Tactile Paving Surfaces, DfT, 1998
- Accessible Bus Stop Design Guidance, TfL, 2006

Stage
Permanent phase

ILLUSTRATIVE

Location
Albert Embankment Foreshore
London Borough of Lambeth

Document Information
Application for Development Consent
Permanent highway layout - Option B

DCO-PP-15X-ALBEF-170041
January 2013

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Thames Water Utilities Limited

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A decorative graphic at the bottom of the page consisting of several overlapping, wavy, organic shapes in various shades of green, ranging from a light lime green to a dark forest green. The shapes flow from the left side towards the right, creating a sense of movement and depth.