

Thames Tideway Tunnel  
Thames Water Utilities Limited



# Application for Development Consent

Application Reference Number: WWO10001

## Book of Plans

Doc Ref: **2.08**

### Putney Embankment Foreshore

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

Hard copy available in  
Box **61** Folder **B**  
January 2013

Thames  
Tideway Tunnel   
Creating a cleaner, healthier River Thames

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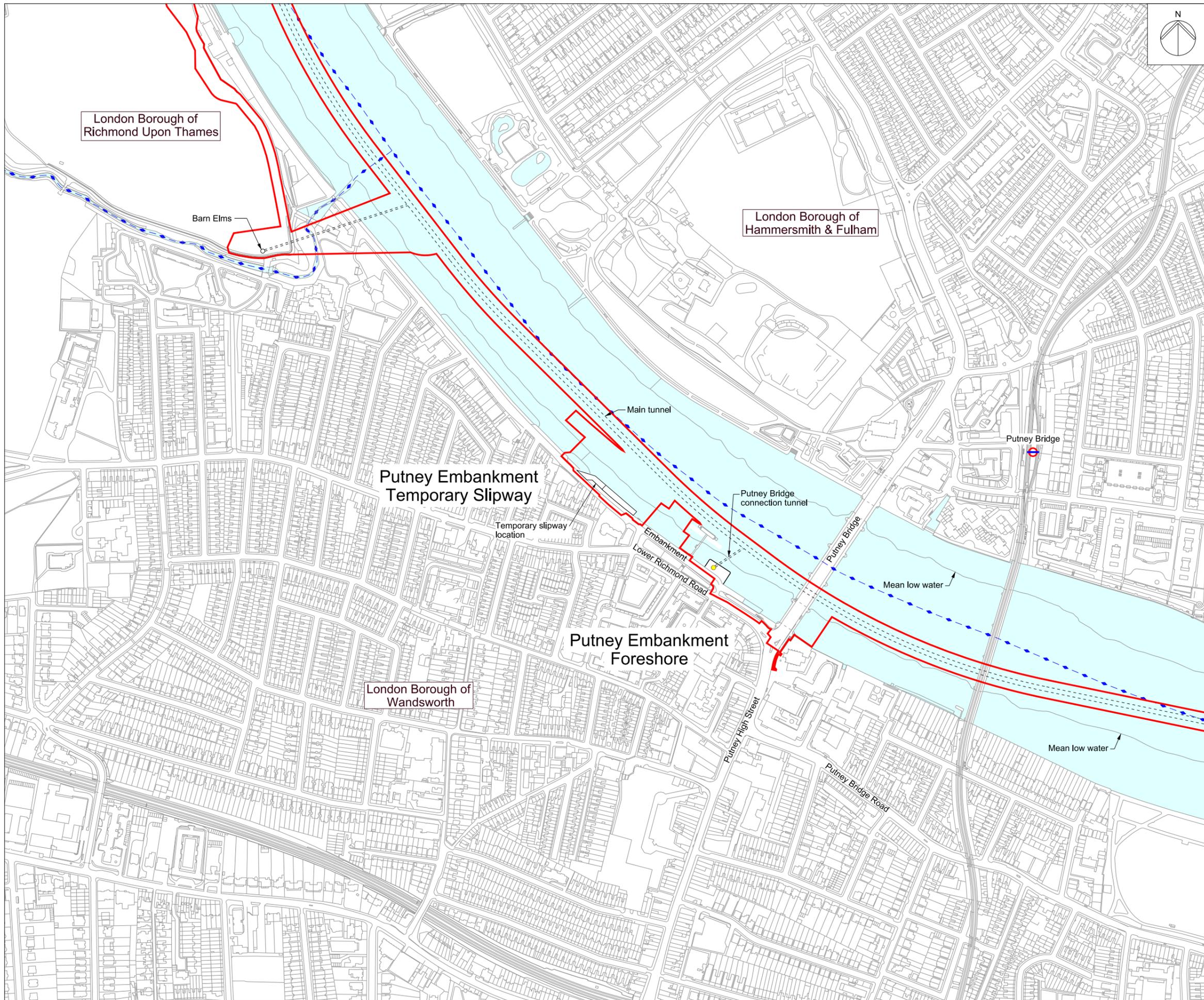
## Application for Development Consent: Book of Plans

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**This volume is Volume 2**





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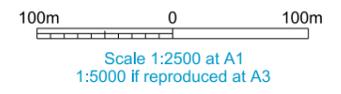


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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

**Notes:**

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



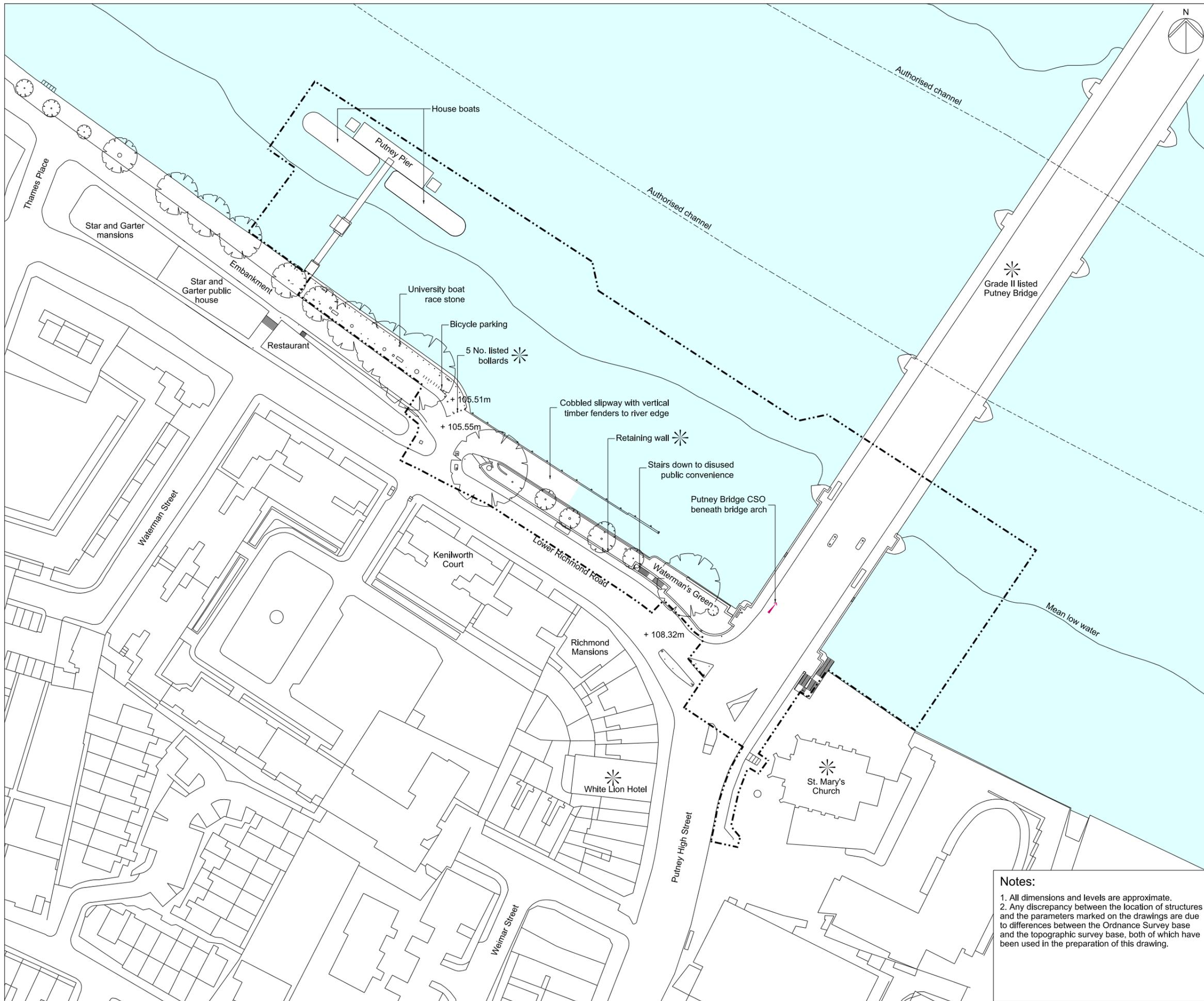
## FOR INFORMATION

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Location plan

Book of plans - section 8  
DCO-PP-05X-PUTEF-080001  
January 2013



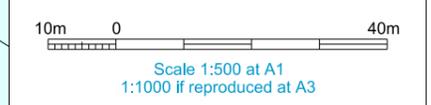


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- 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**  
Putney Embankment Foreshore  
London Borough of Wandsworth

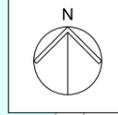
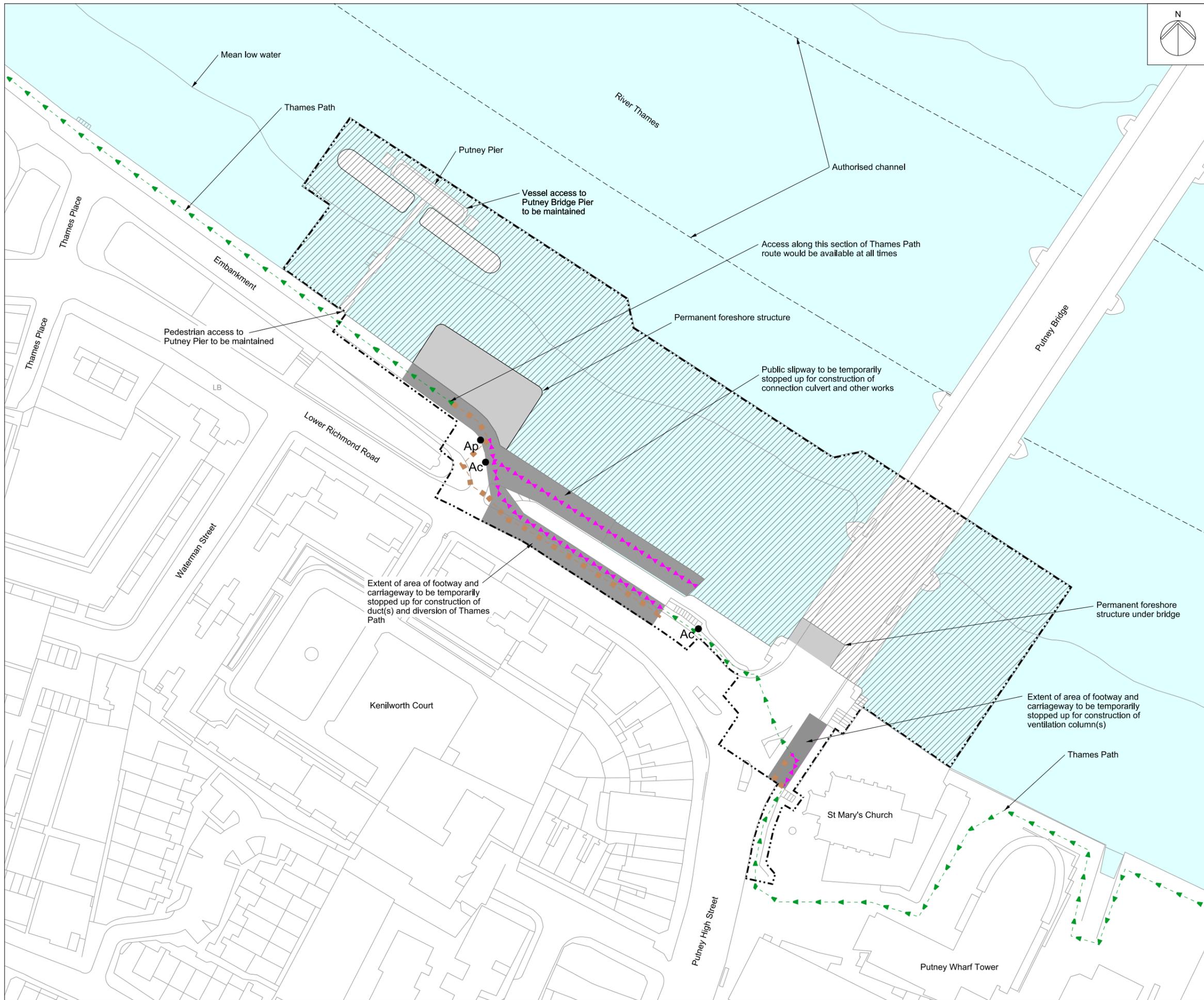
**Document Information**  
Application for Development Consent

As existing  
Site features plan  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080002  
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 the topographic survey base, both of which have been used in the preparation of this drawing.



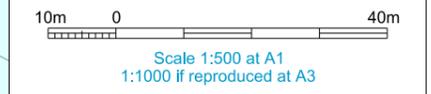
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
  - Existing public right of way
  - Route of temporary diversion of right of way
  - Existing right of way temporarily stopped up
  - Area of highway to be temporarily stopped up
  - ▨ 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

- Notes:**
- This plan does not show stopping up and diversions of limited duration (eg hoarding erection, minor utility diversions and minor highway works).
  - 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.



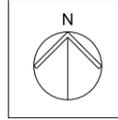
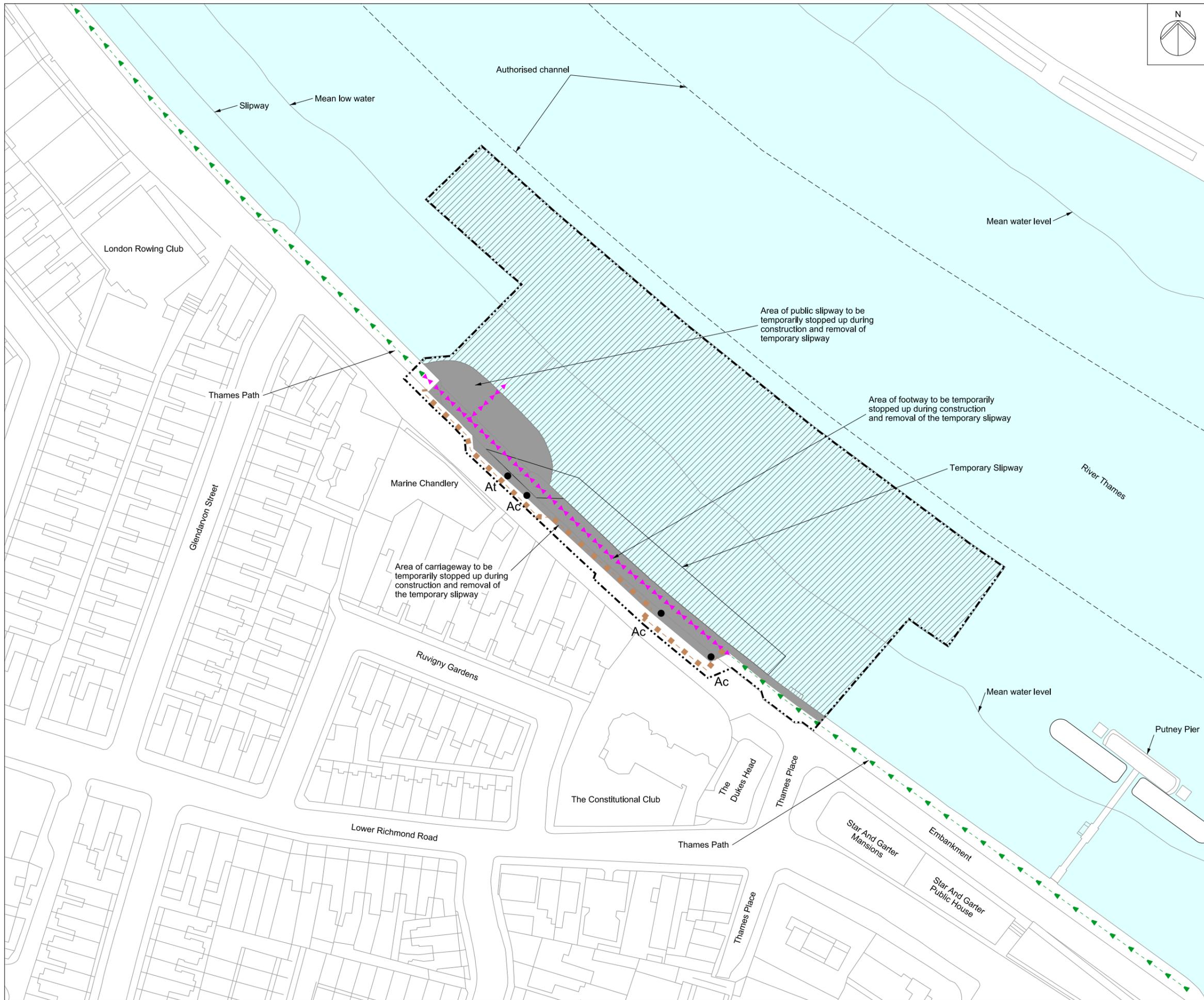
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**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Access plan

Book of plans - section 8  
DCO-PP-05X-PUTEF-080003  
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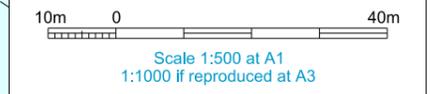
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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Existing public right of way
  - Route of temporary diversion of right of way
  - Existing right of way temporarily stopped up
  - Area of highway to be temporarily stopped up
  - Area of temporary suspension of public rights of navigation
  - Ac ● Access to construction works
  - At ● Access to temporary slipway

- 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.

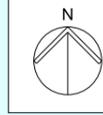


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**Location**  
Putney Embankment Foreshore  
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**Document Information**  
**Application for Development Consent**  
Access plan  
Temporary slipway  
Book of plans - section 8  
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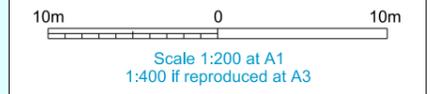
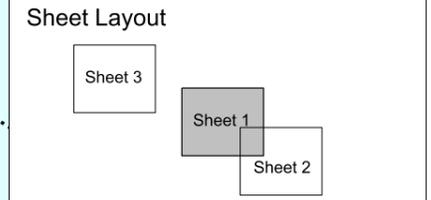
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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Trees to be pruned
  - Structure to be removed and relocated or reinstated
  - Below ground structures to be removed or infilled

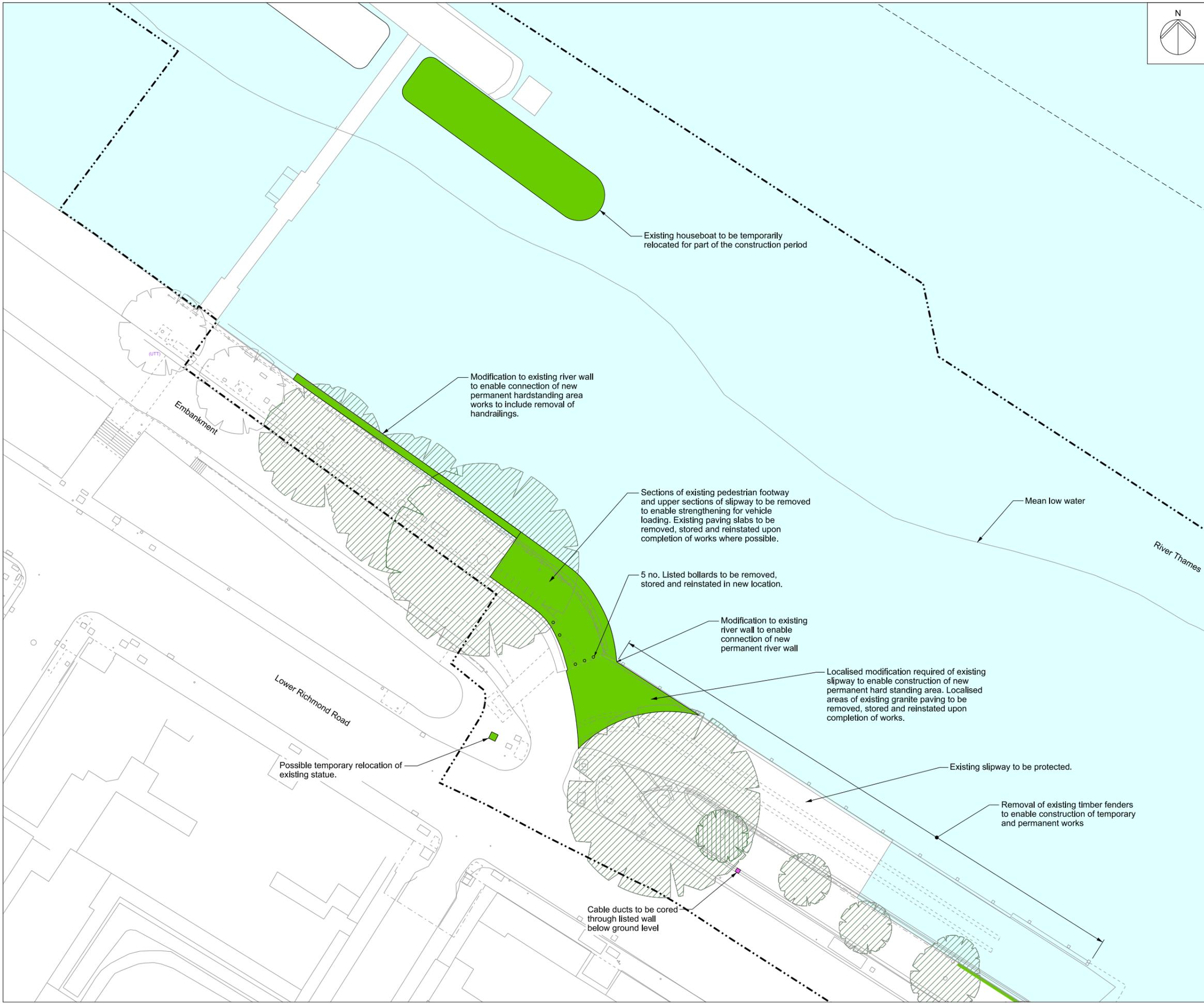
- Notes:**
1. Area of foreshore will require dredging prior to formation of temporary working area.
  2. Formation of temporary working area not illustrated. refer to construction phasing layout drawings.
  3. Minor items to be removed (e.g. barriers, bollards etc.) are not shown.
  4. General activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.

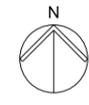
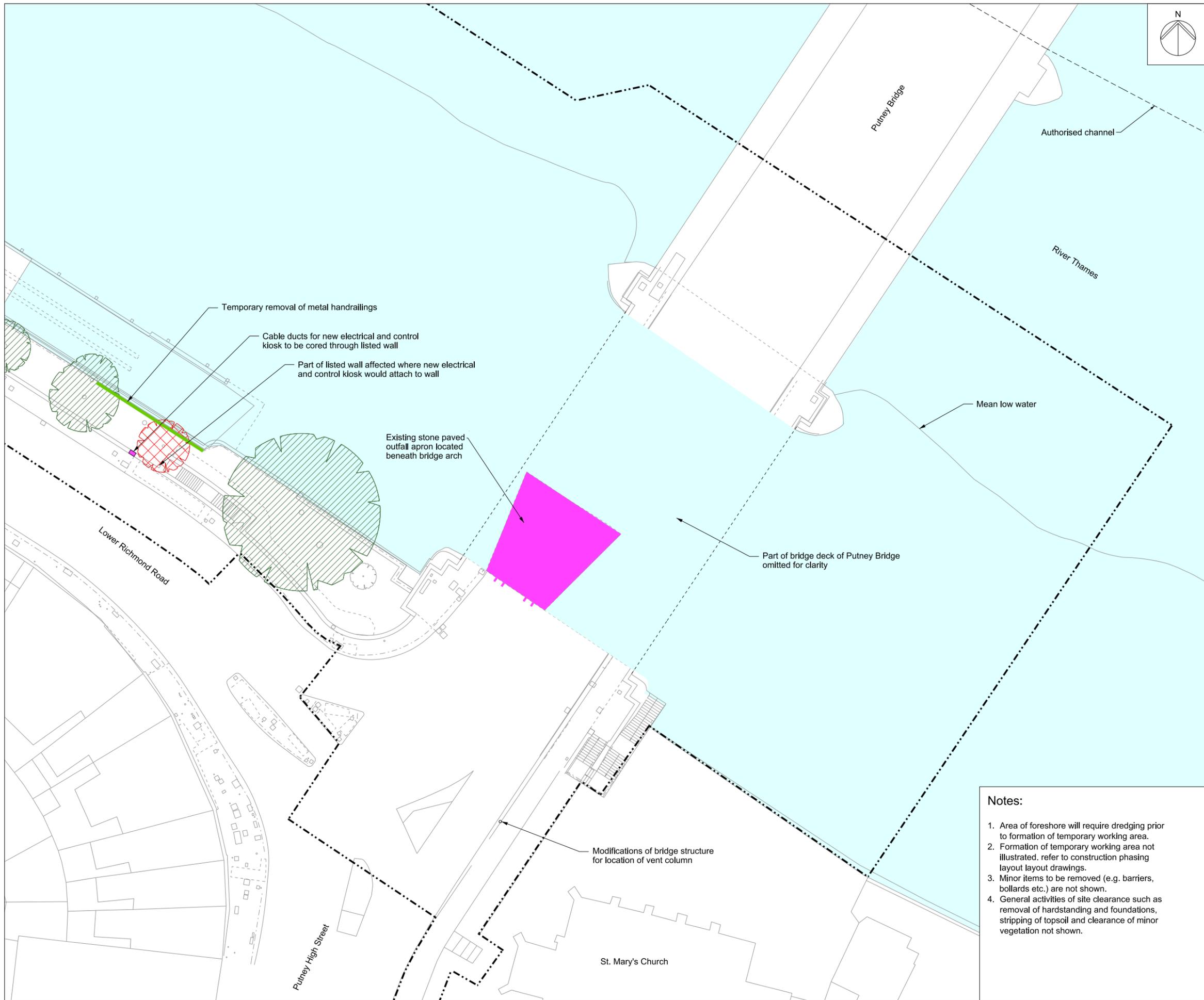


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**Location**  
**Putney Embankment Foreshore**  
 London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
 Demolition and site clearance  
 Sheet 1 of 3  
 Book of plans - section 8  
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Keyplan:

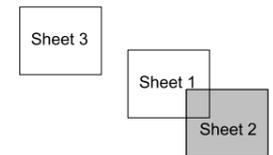


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key:

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

Sheet Layout



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

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Notes:

1. Area of foreshore will require dredging prior to formation of temporary working area.
2. Formation of temporary working area not illustrated. refer to construction phasing layout drawings.
3. Minor items to be removed (e.g. barriers, bollards etc.) are not shown.
4. General activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.

Location

**Putney Embankment Foreshore**  
London Borough of Wandsworth

Document Information

**Application for Development Consent**

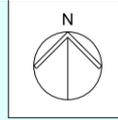
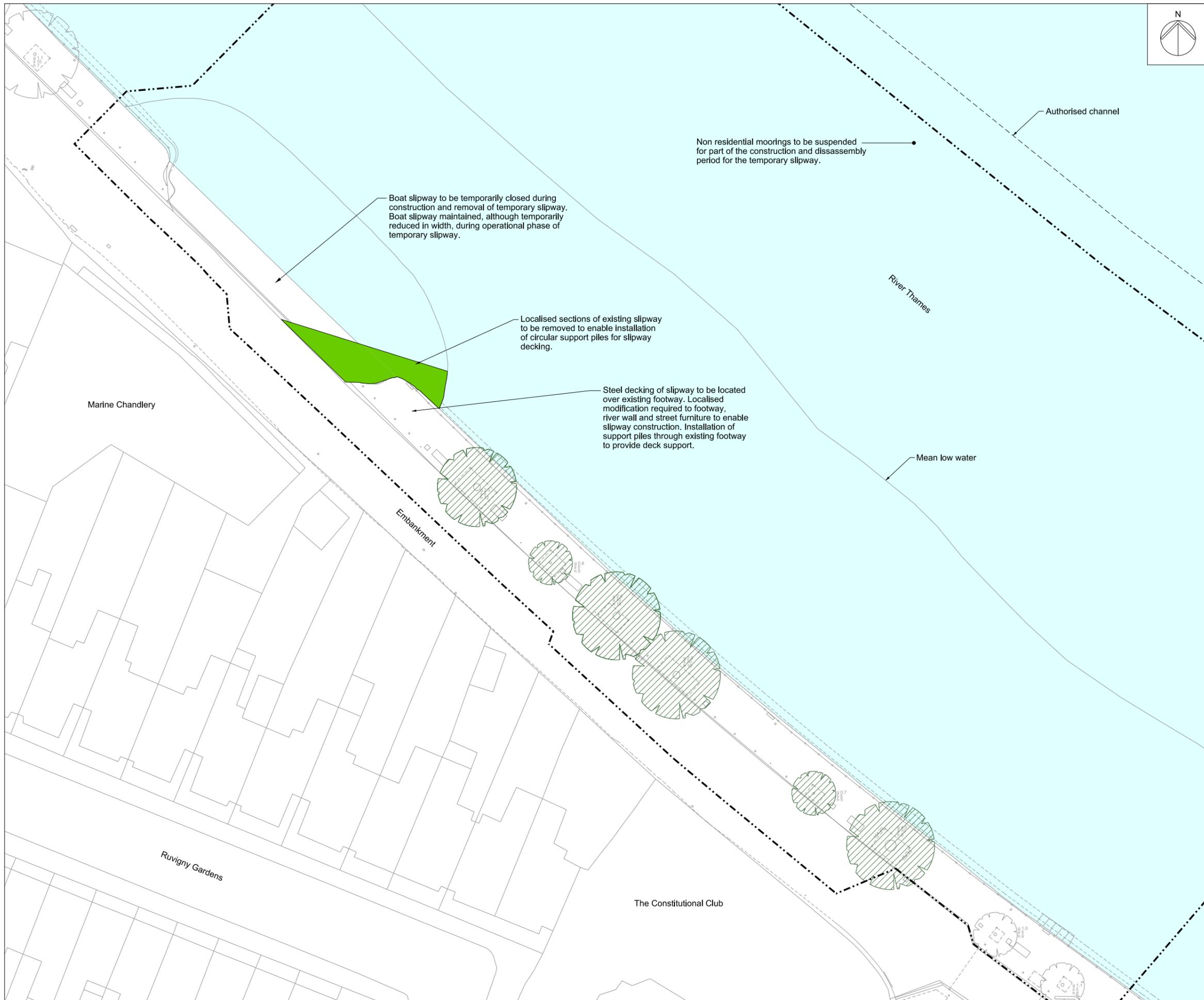
Demolition and site clearance  
Sheet 2 of 3

Book of plans - section 8

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**Thames Tideway Tunnel**  
Creating a cleaner, healthier River Thames





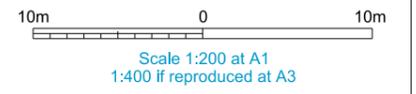
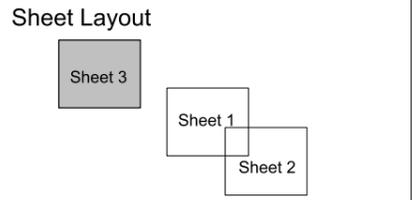
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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Trees to be pruned
  - Structure to be removed and relocated or reinstated

- Notes:**
1. Minor items to be removed (e.g. barriers, bollards etc.) are not shown.
  2. Formation of temporary working area not illustrated. refer to construction phasing layout drawings.
  3. General activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.

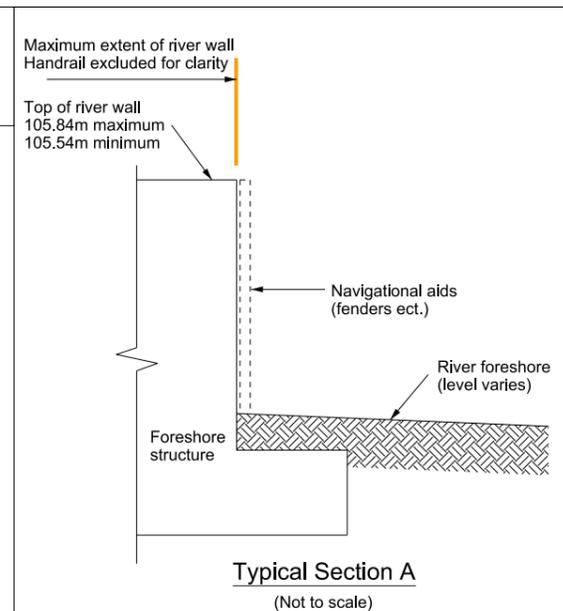
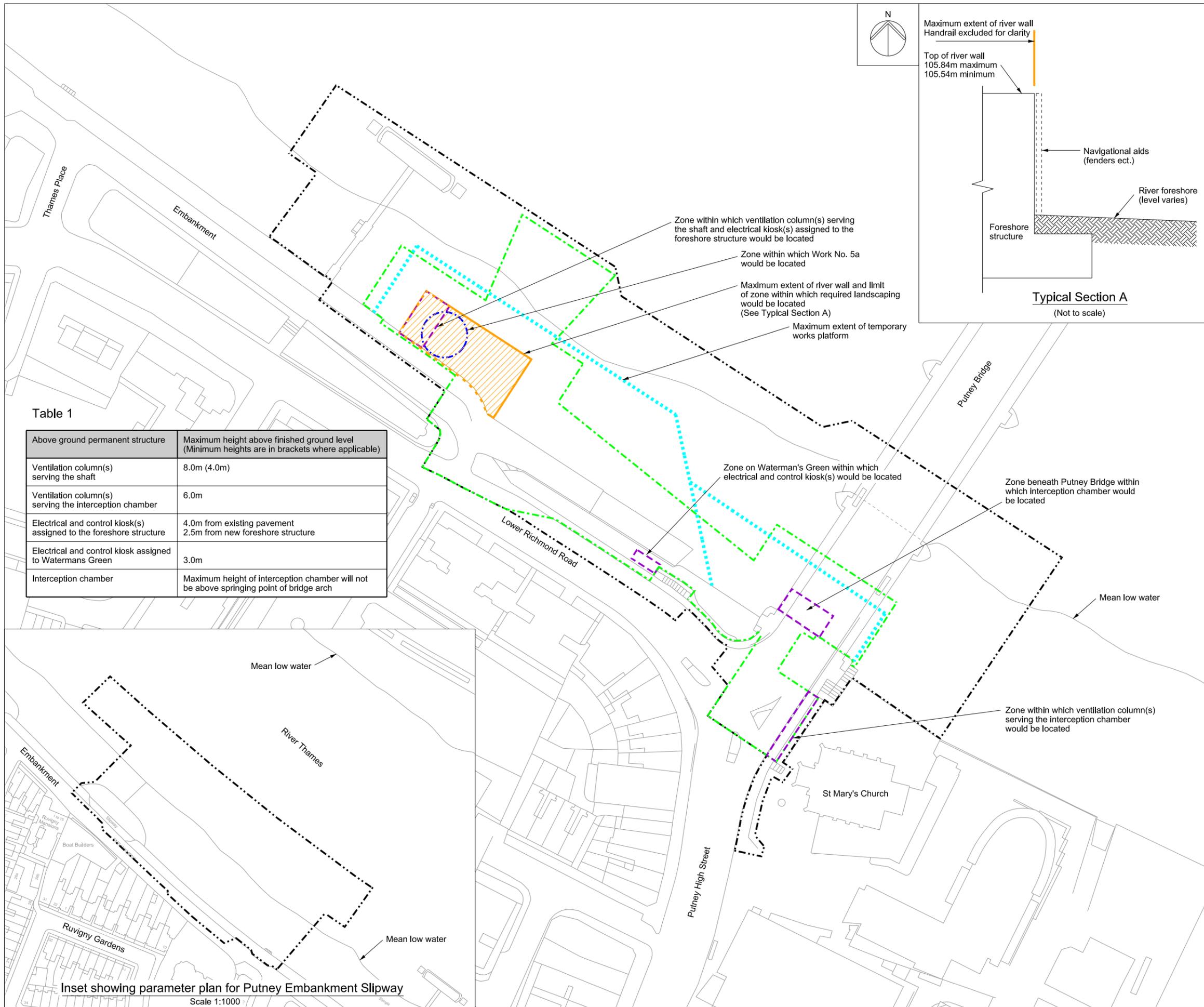


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**Location**  
Putney Embankment Foreshore  
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**Document Information**  
**Application for Development Consent**  
Demolition and site clearance  
Sheet 3 of 3  
Book of plans - section 8  
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January 2013





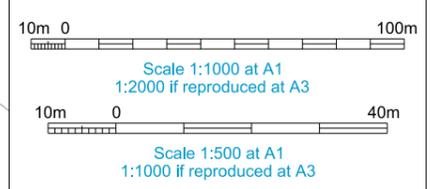
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Keyplan:

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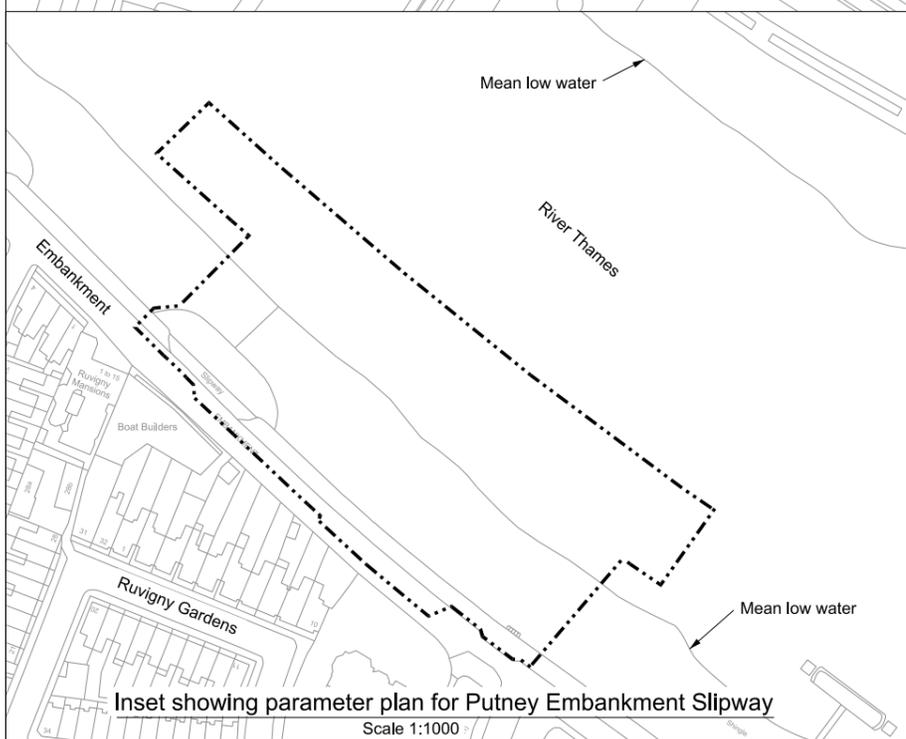
- Key:**
- Limits of land to be acquired or used (LLAU)
  - Zone within which all permanent site structures would be located
  - Zone within which the shaft would be located
  - Zone within which permanent above ground structures would be located (those listed in Table 1)
  - Zone within which required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

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



**Table 1**

| Above ground permanent structure                                    | Maximum height above finished ground level (Minimum heights are in brackets where applicable) |
|---|---|
| Ventilation column(s) serving the shaft                             | 8.0m (4.0m)   |
| Ventilation column(s) serving the interception chamber              | 6.0m  |
| Electrical and control kiosk(s) assigned to the foreshore structure | 4.0m from existing pavement<br>2.5m from new foreshore structure                              |
| Electrical and control kiosk assigned to Watermans Green            | 3.0m  |
| Interception chamber  | Maximum height of interception chamber will not be above springing point of bridge arch       |



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**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Site works parameter plan

Book of plans - section 8  
DCO-PP-05X-PUTEF-080008  
January 2013





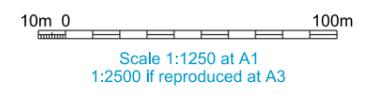
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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Zone within which all permanent site structures would be located
  - Zone within which the shaft would be located
  - Zone within which permanent above ground structures would be located
  - Zone within which required landscaping would be located
  - Maximum extent of top of river/parapet wall

- 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.



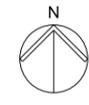
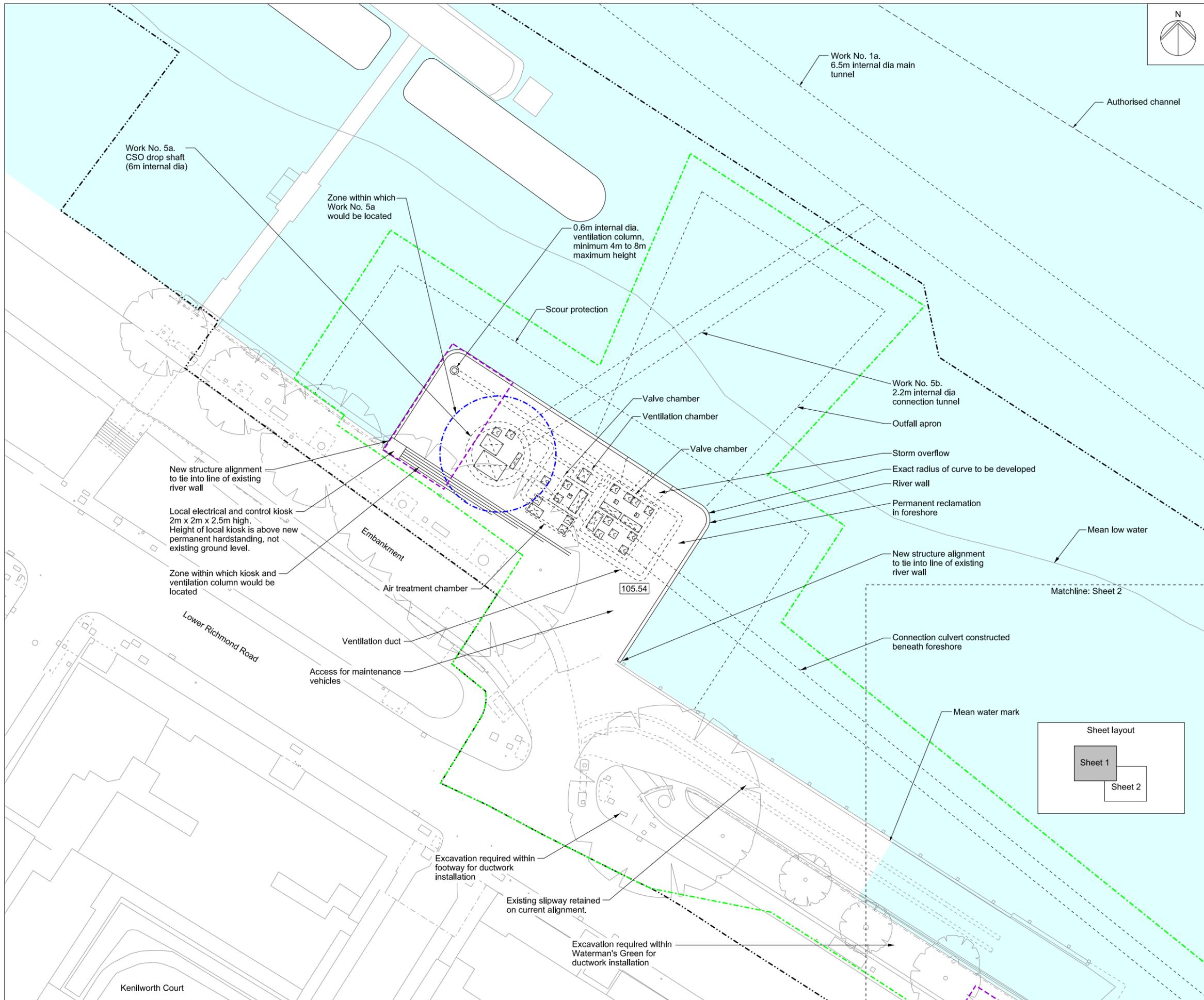
## FOR INFORMATION

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Site works parameter key plan

Book of plans - section 8  
DCO-PP-05X-PUTEF-080009  
January 2013





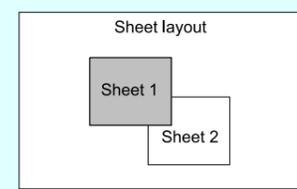
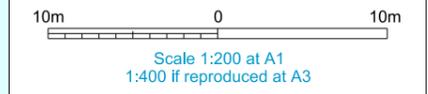
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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Proposed access cover
  - Proposed level (shown in metres above tunnel datum)
  - Zone within which all permanent site structures would be located
  - Zone within which the shaft would be located
  - Zone within which permanent above ground structures would be located

- 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.
  4. Two electrical and control kiosks are required. One local kiosk situated upon the new permanent hardstanding area and one situated upon Waterman's Green against the listed retaining wall.

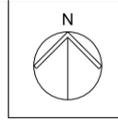
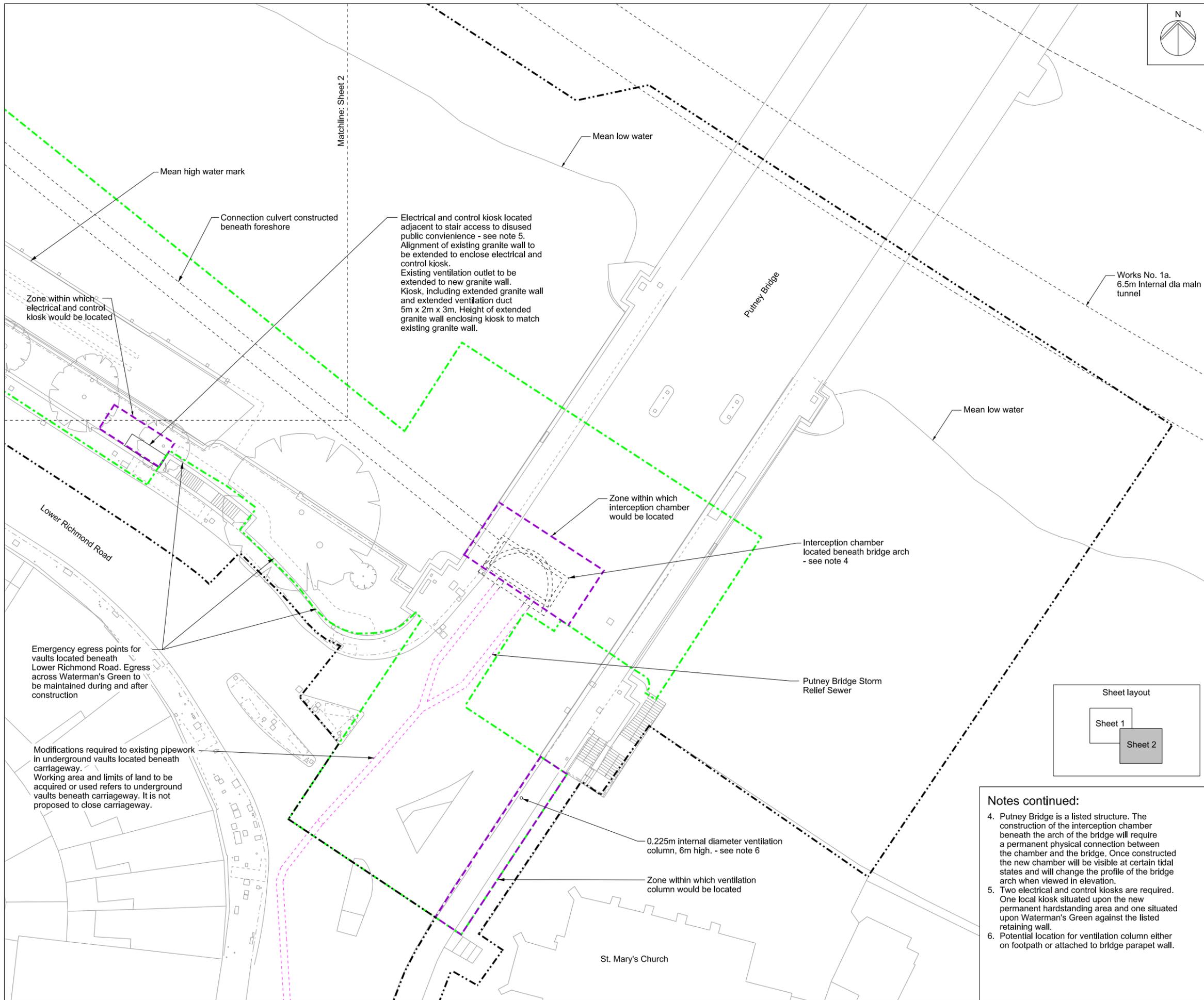


## ILLUSTRATIVE

**Location**  
**Putney Embankment Foreshore**  
 London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
 Permanent works layout  
 Sheet 1 of 2  
 Book of plans - section 8  
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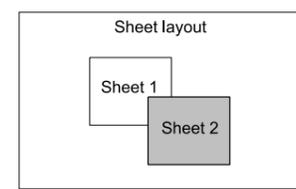
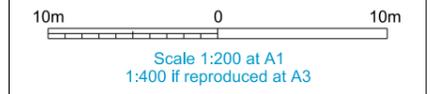
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
  - Existing sewers
  - Zone within which all permanent site structures would be located
  - Zone within which permanent above ground structures would be located

- 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.



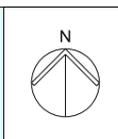
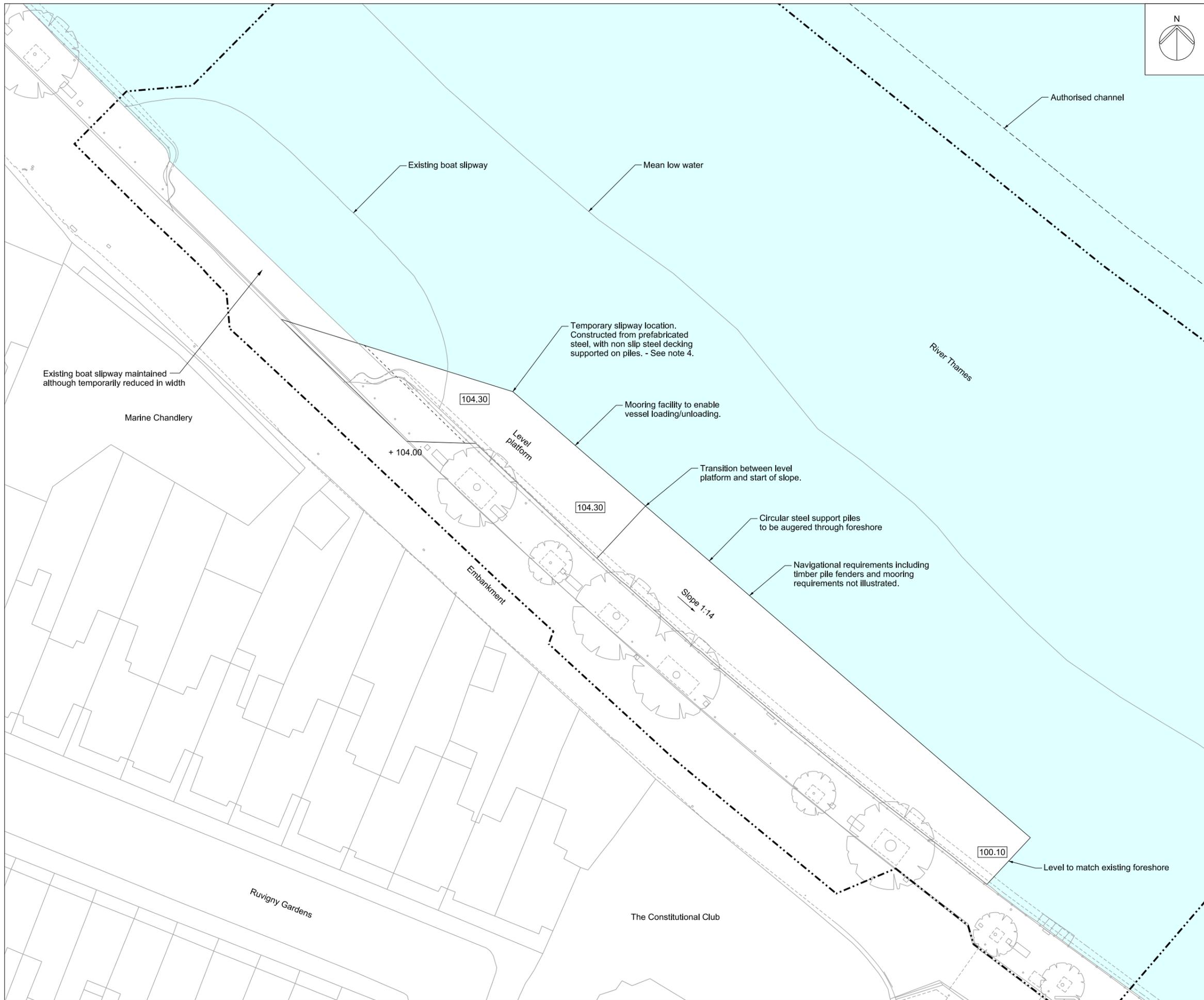
## ILLUSTRATIVE

**Location**  
**Putney Embankment Foreshore**  
 London Borough of Wandsworth

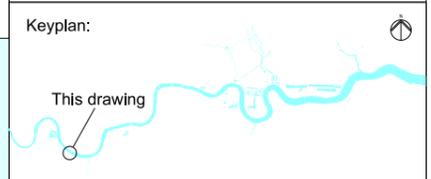
**Document Information**  
**Application for Development Consent**  
 Permanent works layout  
 Sheet 2 of 2  
 Book of plans - section 8  
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 January 2013



- Notes continued:**
4. Putney Bridge is a listed structure. The construction of the interception chamber beneath the arch of the bridge will require a permanent physical connection between the chamber and the bridge. Once constructed the new chamber will be visible at certain tidal states and will change the profile of the bridge arch when viewed in elevation.
  5. Two electrical and control kiosks are required. One local kiosk situated upon the new permanent hardstanding area and one situated upon Waterman's Green against the listed retaining wall.
  6. Potential location for ventilation column either on footpath or attached to bridge parapet wall.



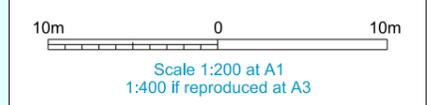
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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

- 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.
  4. This slipway is to be provided as a temporary replacement for the slipway at Putney Embankment foreshore site. It is proposed that this temporary slipway be removed once work at the Putney Embankment foreshore site is complete.



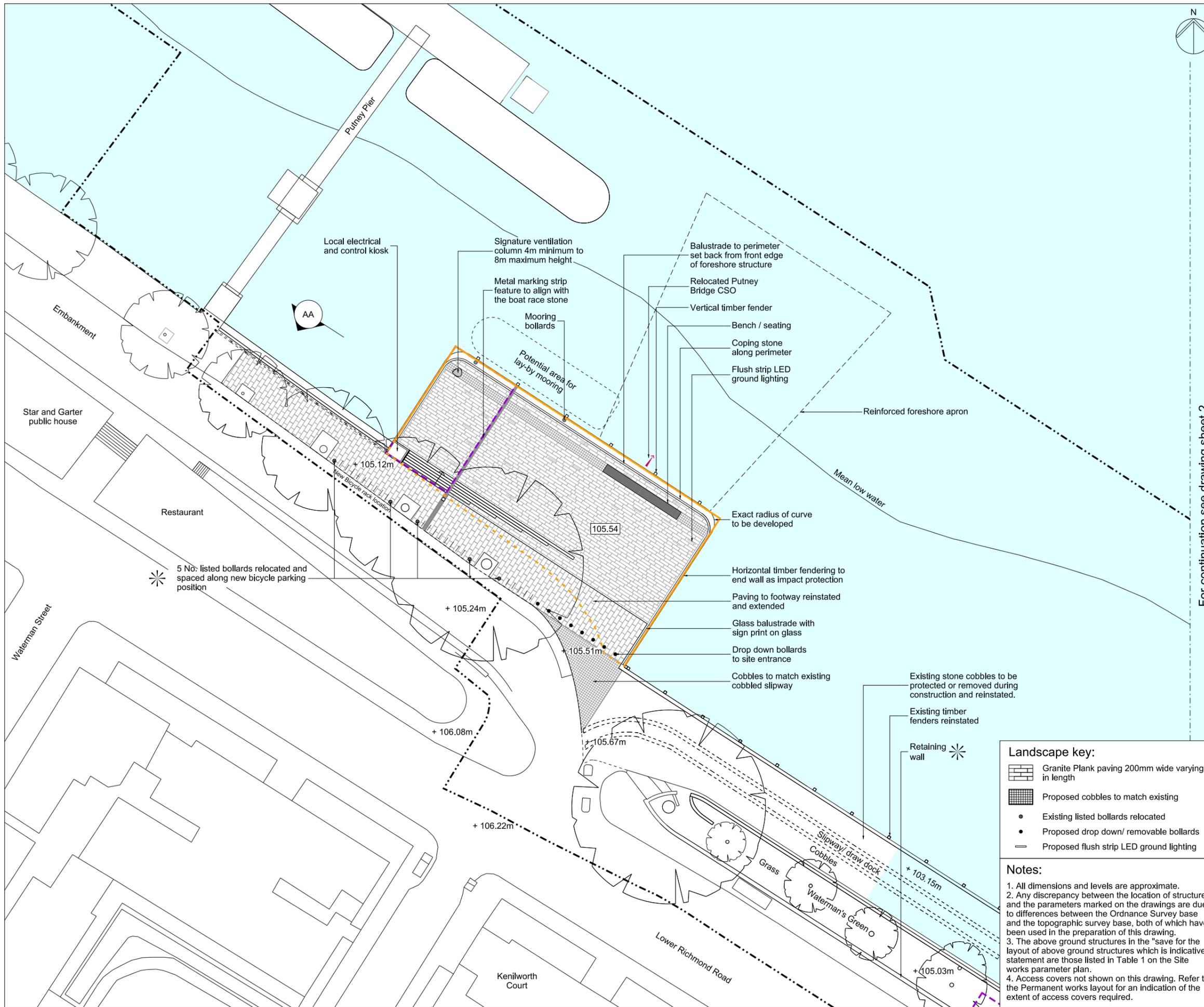
**INDICATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Temporary slipway layout

Book of plans - section 8  
DCO-PP-05X-PUTEF-080012  
January 2013



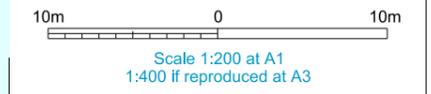
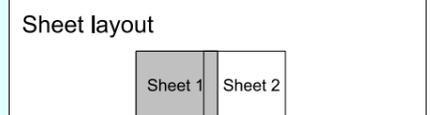


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
  - Zone within which 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)
  - Listed buildings/structures
  - Approximate position of CSO outlet
  - Existing trees within surveyed area (trunk sizes vary)



**INDICATIVE**  
Save for layout of above ground structures which is illustrative

**Location**  
**Putney Embankment Foreshore**  
London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**

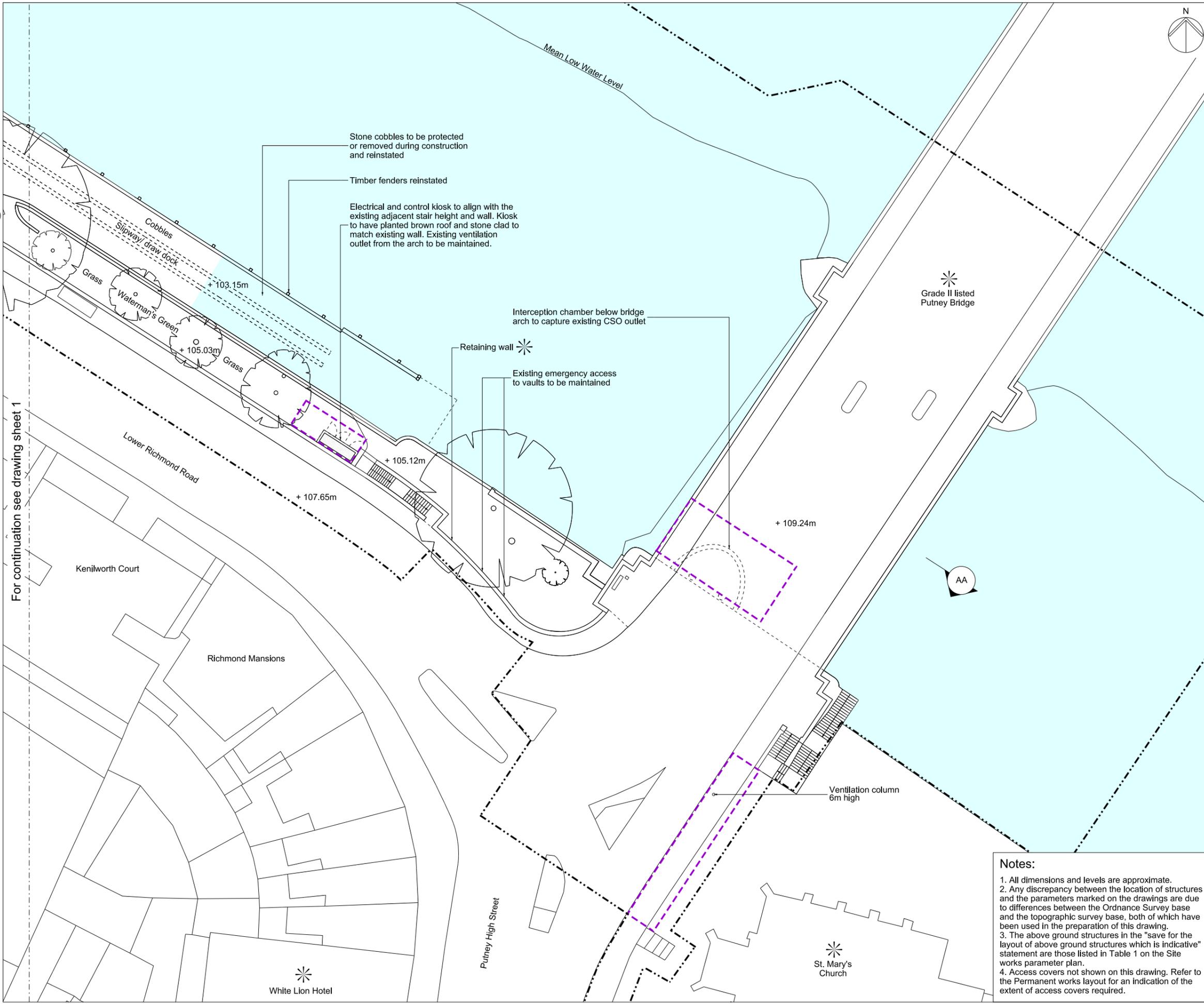
Proposed  
Landscape plan sheet 1 of 2  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080013  
January 2013



- Landscape key:**
- Granite Plank paving 200mm wide varying in length
  - Proposed cobbles to match existing
  - Existing listed bollards relocated
  - Proposed drop down/ removable bollards
  - Proposed flush strip LED ground lighting

- 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 layout of above ground structures which is indicative" statement are those listed in Table 1 on the Site works parameter plan.
  4. Access covers not shown on this drawing. Refer to the Permanent works layout for an indication of the extent of access covers required.

For continuation see drawing sheet 2

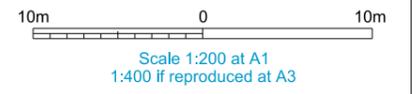
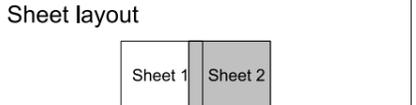


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
  - - - Zone within which permanent above ground structures would be located
  - + 105.40m Existing levels (shown in metres above tunnel datum)
  - \* Listed buildings/structures
  - ⊙ Existing trees within surveyed area (trunk sizes vary)



**INDICATIVE**  
Save for layout of above ground structures which is illustrative

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent

Proposed  
Landscape plan sheet 2 of 2  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080014  
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 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 layout of above ground structures which is indicative" statement are those listed in Table 1 on the Site works parameter plan.
  4. Access covers not shown on this drawing. Refer to the Permanent works layout for an indication of the extent of access covers required.

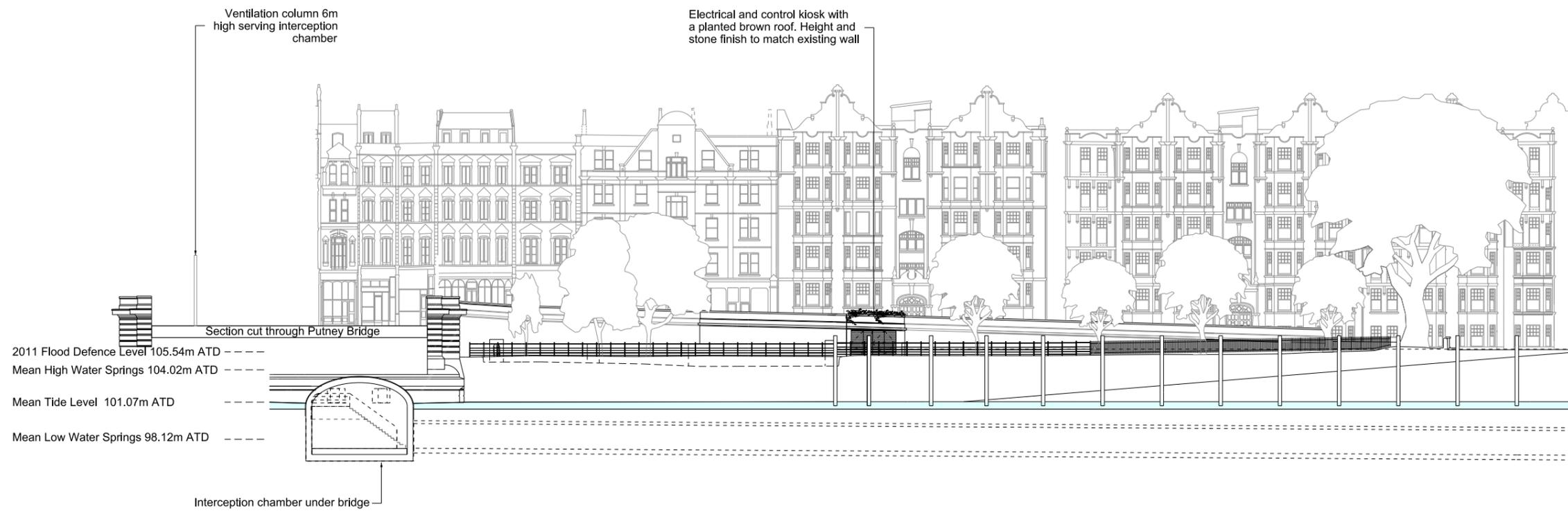
For continuation see drawing sheet 1

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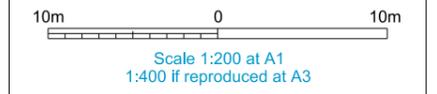
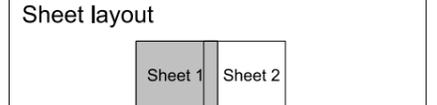
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- 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.

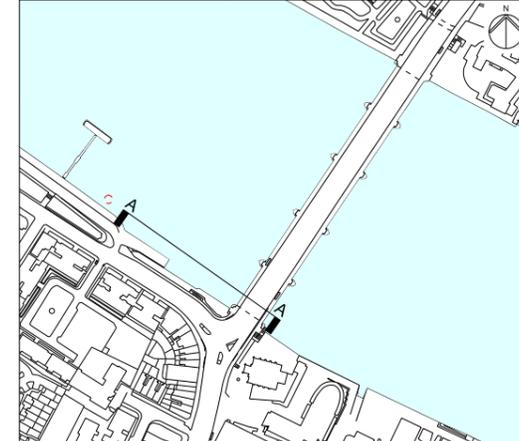


For continuation see sheet 2

Section AA



## ILLUSTRATIVE



**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Section AA  
Sheet 1 of 2  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080015  
January 2013

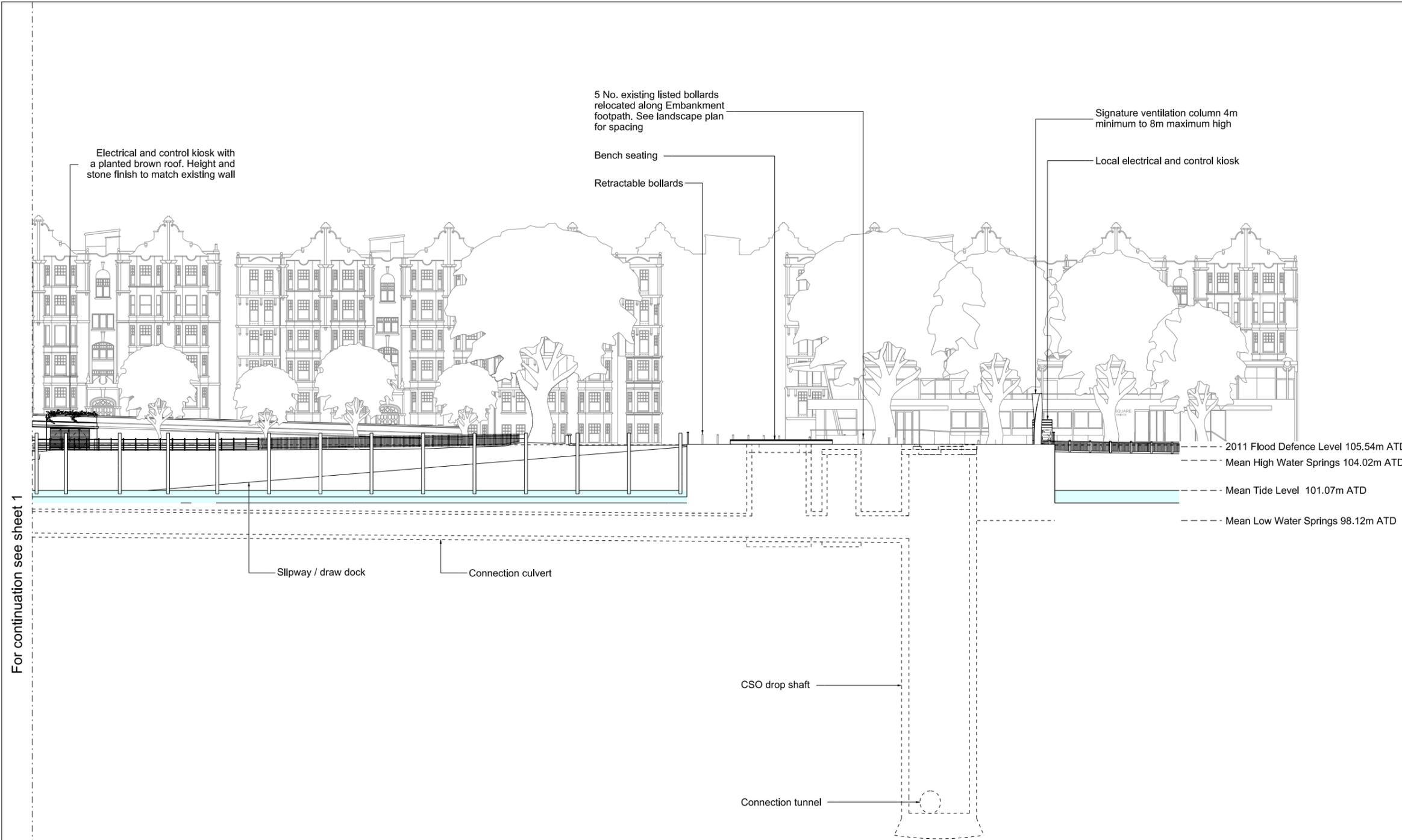


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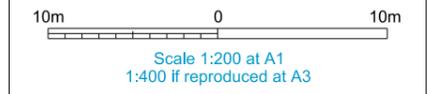
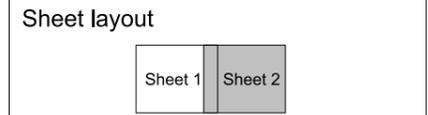


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- 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.



For continuation see sheet 1



**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Section AA  
Sheet 2 of 2  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080016  
January 2013



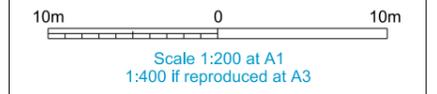
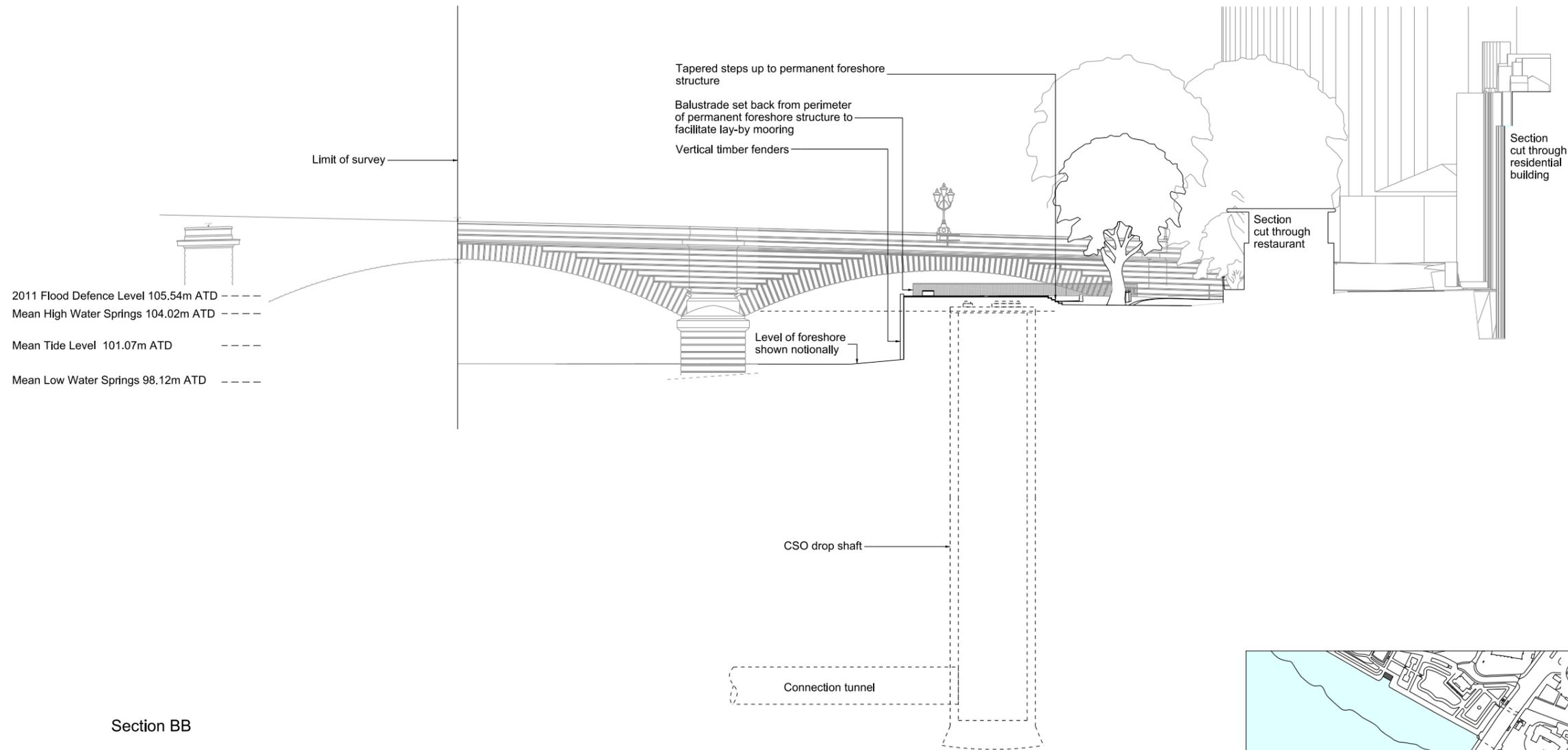
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Section BB

Book of plans - section 8  
DCO-PP-05X-PUTEF-080017  
January 2013



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Keyplan:



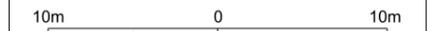
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:

1. All dimensions and levels are approximate.

For continuation see sheet 2

Sheet layout



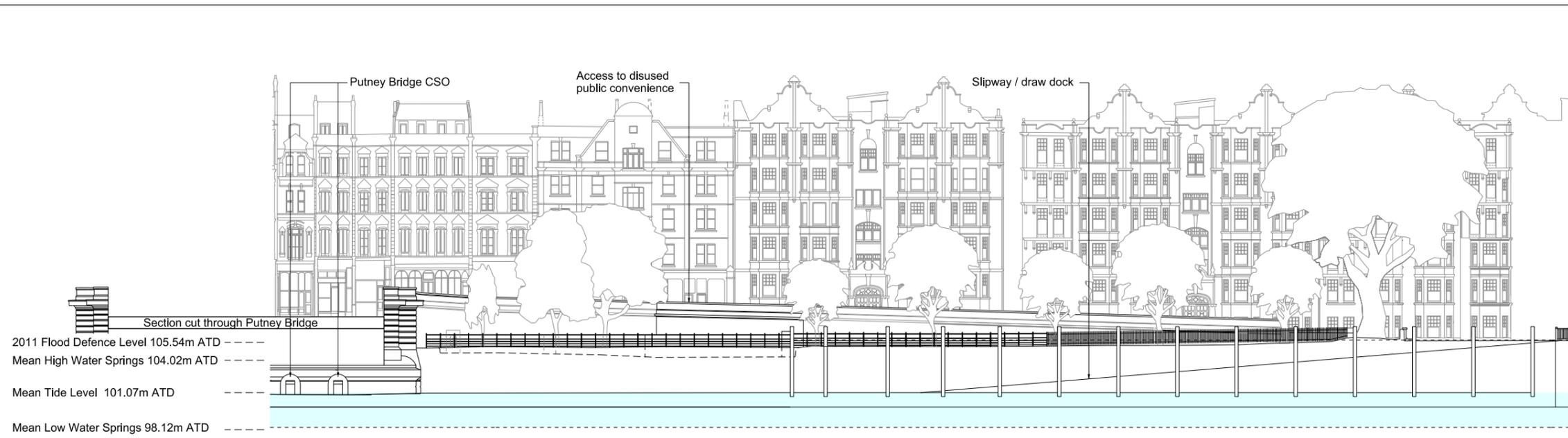
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1:400 if reproduced at A3

**ILLUSTRATIVE**

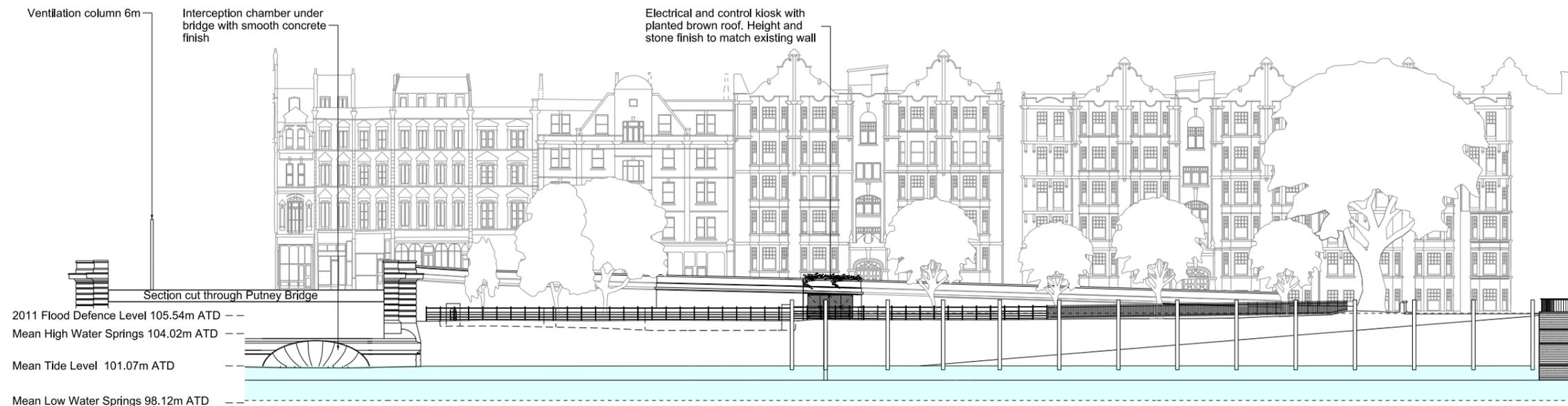
**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent

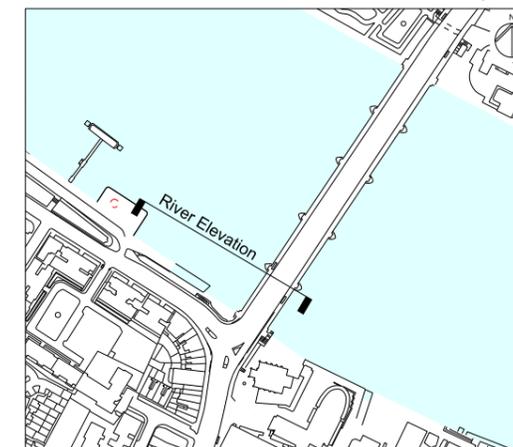
As existing and proposed  
River elevation sheet 1 of 2  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080018  
January 2013



As existing River elevation



Proposed River elevation



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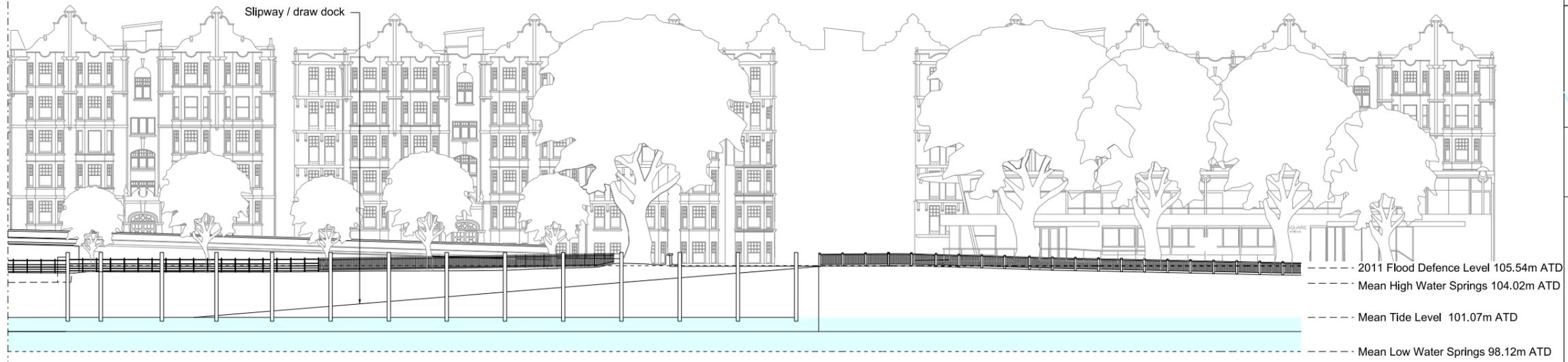
Keyplan:



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:

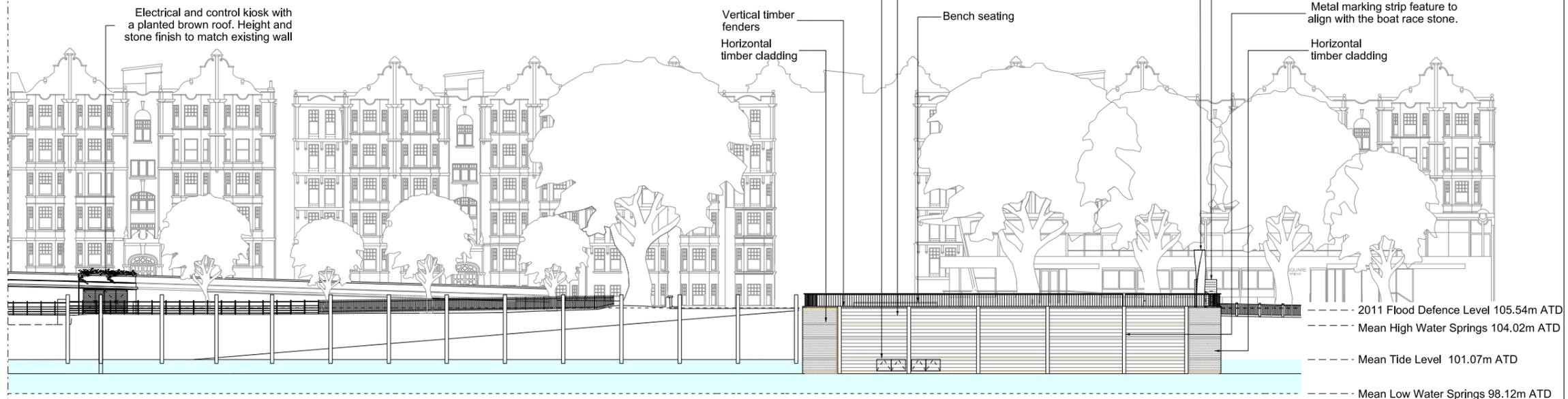
1. All dimensions and levels are approximate.



Slipway and Waterman's Green

Embankment

As existing River elevation

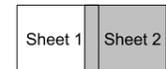


Electrical and control kiosk

Foreshore structure

Proposed River elevation

Sheet layout



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

**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

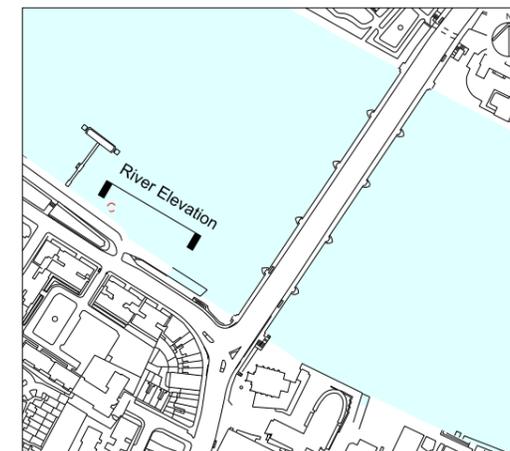
**Document Information**  
Application for Development Consent

As existing and proposed  
River elevation sheet 2 of 2  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080019  
January 2013

**Thames Tideway Tunnel**  
Creating a cleaner, healthier River Thames



For continuation see sheet 1

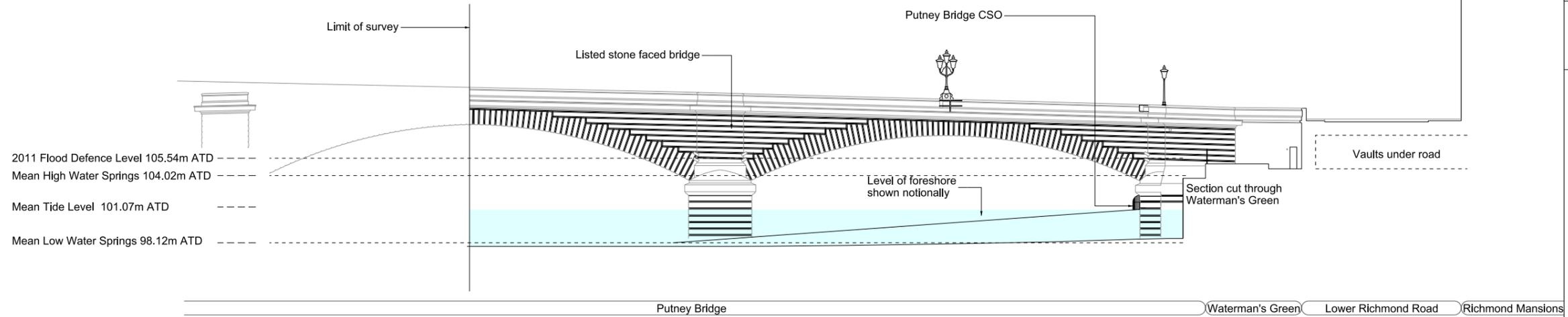


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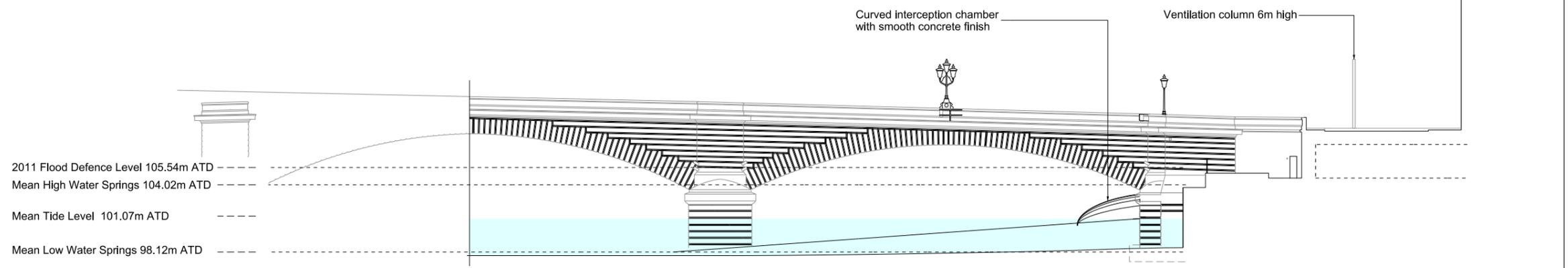


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

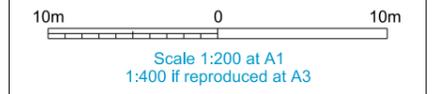
Notes:  
1. All dimensions and levels are approximate.



As existing West elevation



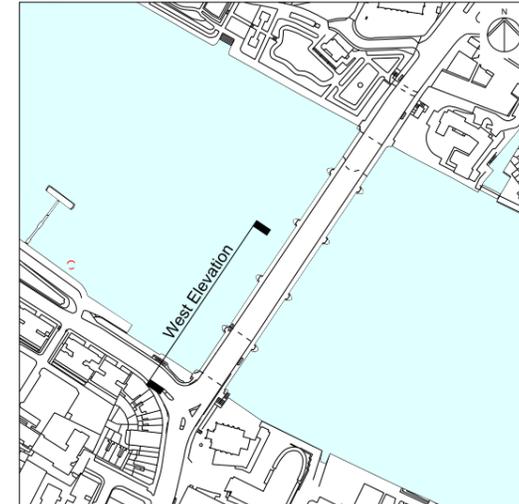
Proposed West elevation



**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
As existing and proposed  
West elevation  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080020  
January 2013

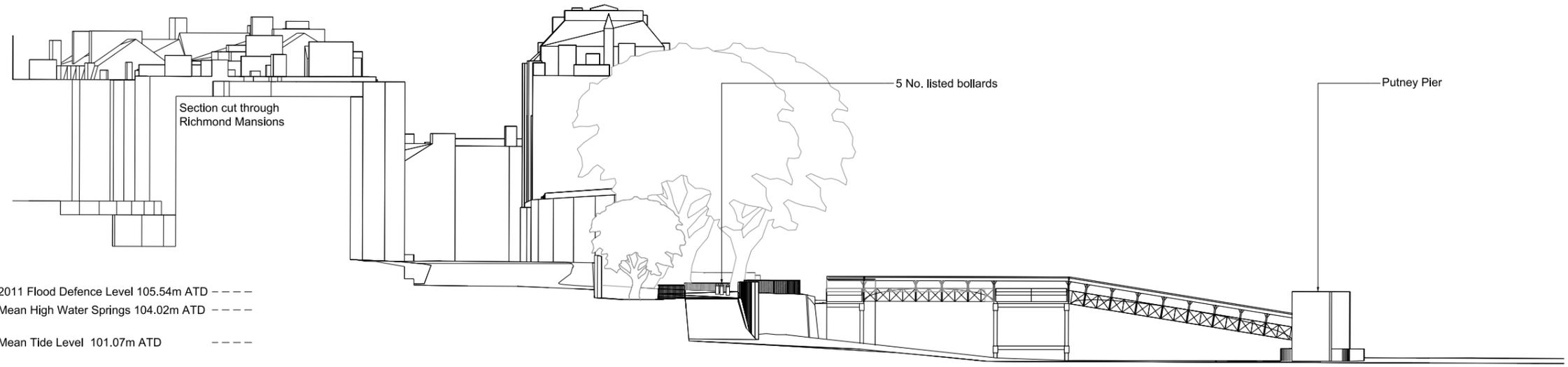


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

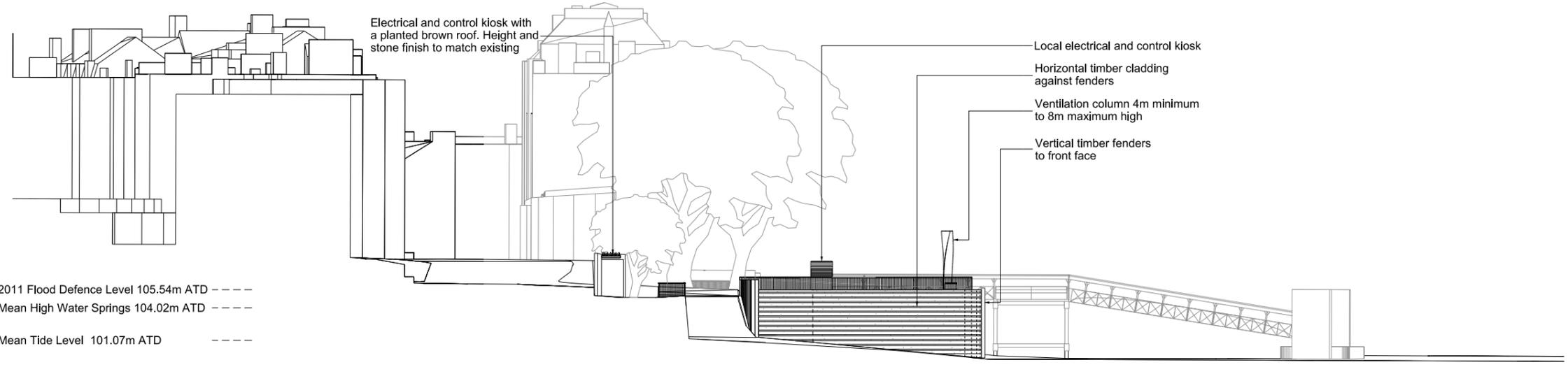
- Notes:
1. All dimensions and levels are approximate.
  2. House boats omitted for clarity



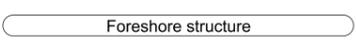
2011 Flood Defence Level 105.54m ATD - - - -  
 Mean High Water Springs 104.02m ATD - - - -  
 Mean Tide Level 101.07m ATD - - - -  
 Mean Low Water Springs 98.12m ATD - - - -



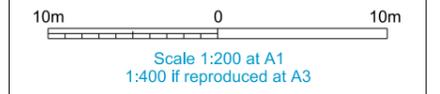
As existing East elevation



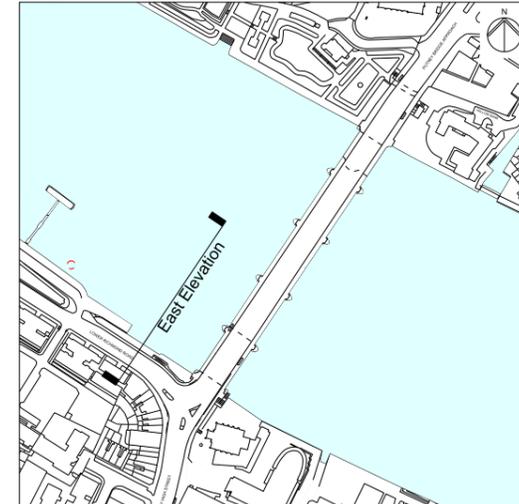
2011 Flood Defence Level 105.54m ATD - - - -  
 Mean High Water Springs 104.02m ATD - - - -  
 Mean Tide Level 101.07m ATD - - - -  
 Mean Low Water Springs 98.12m ATD - - - -



Proposed East elevation



**ILLUSTRATIVE**



**Location**  
 Putney Embankment Foreshore  
 London Borough of Wandsworth

**Document Information**  
 Application for Development Consent  
 As existing and proposed  
 East elevation  
 Book of plans - section 8  
 DCO-PP-05X-PUTEF-080021  
 January 2013

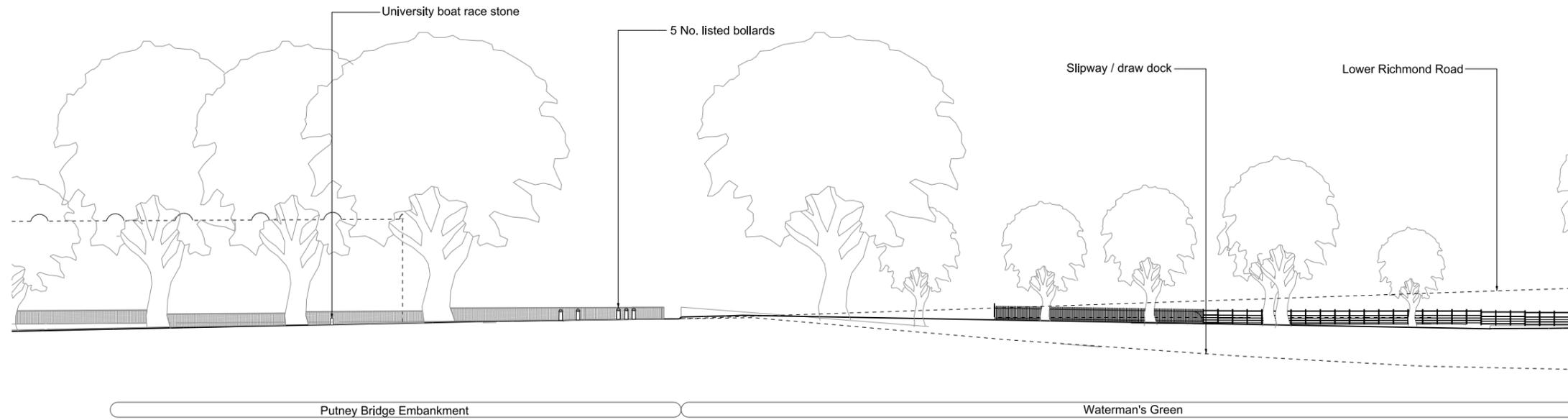


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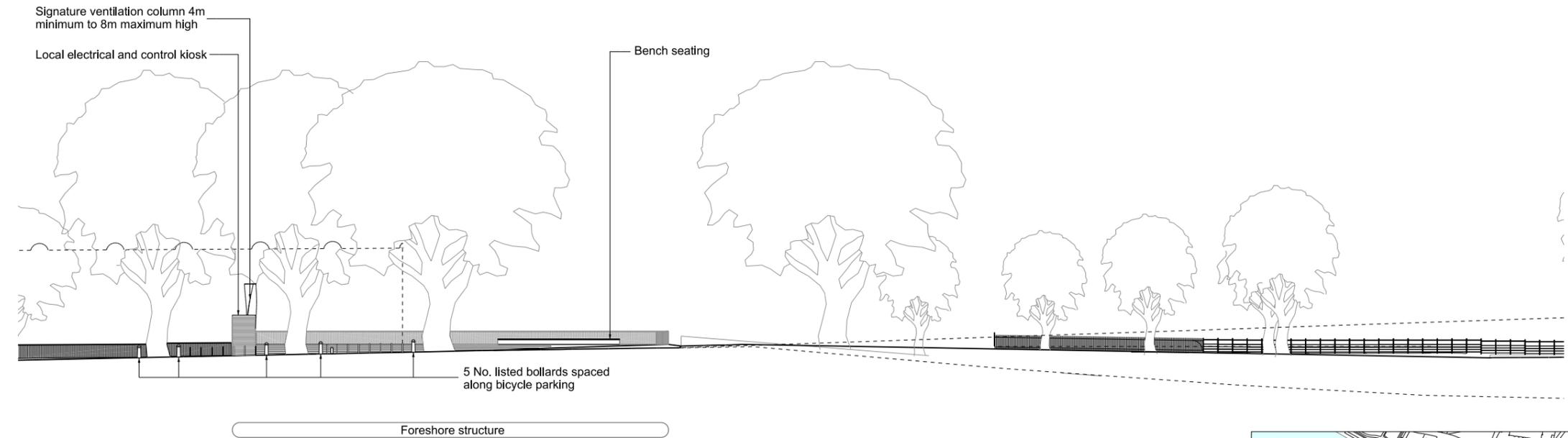


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

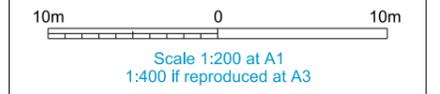
Notes:  
1. All dimensions and levels are approximate.



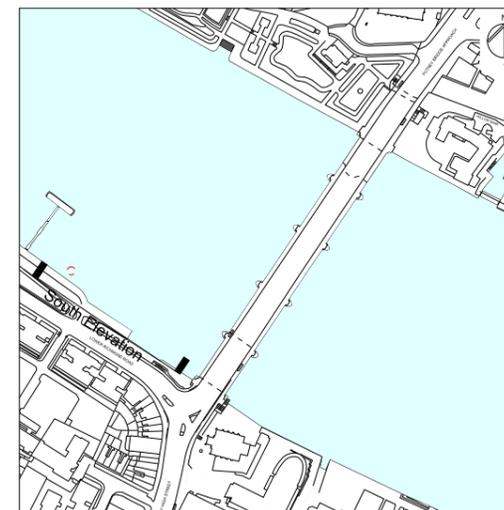
As existing South elevation



Proposed South elevation



ILLUSTRATIVE



**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
As existing and proposed  
South elevation  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080022  
January 2013

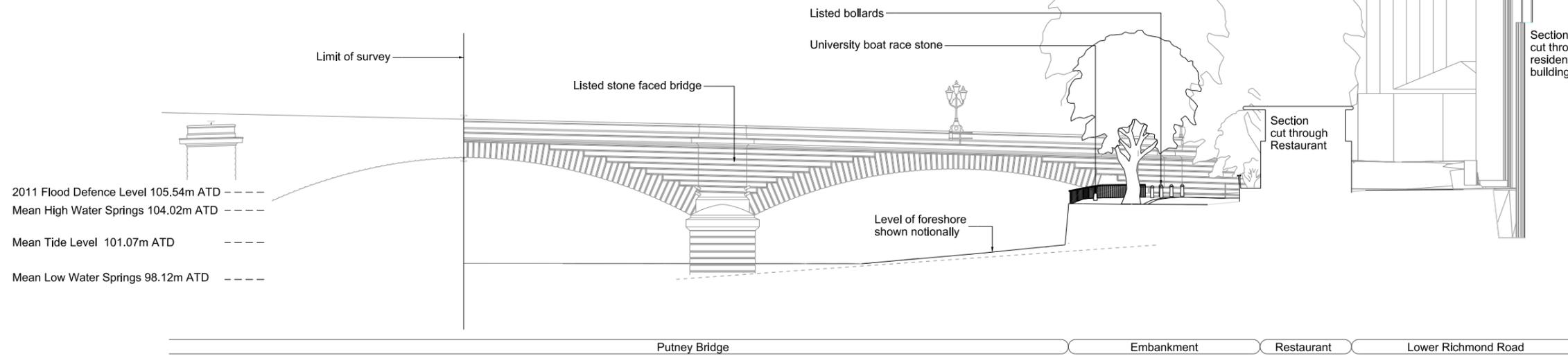


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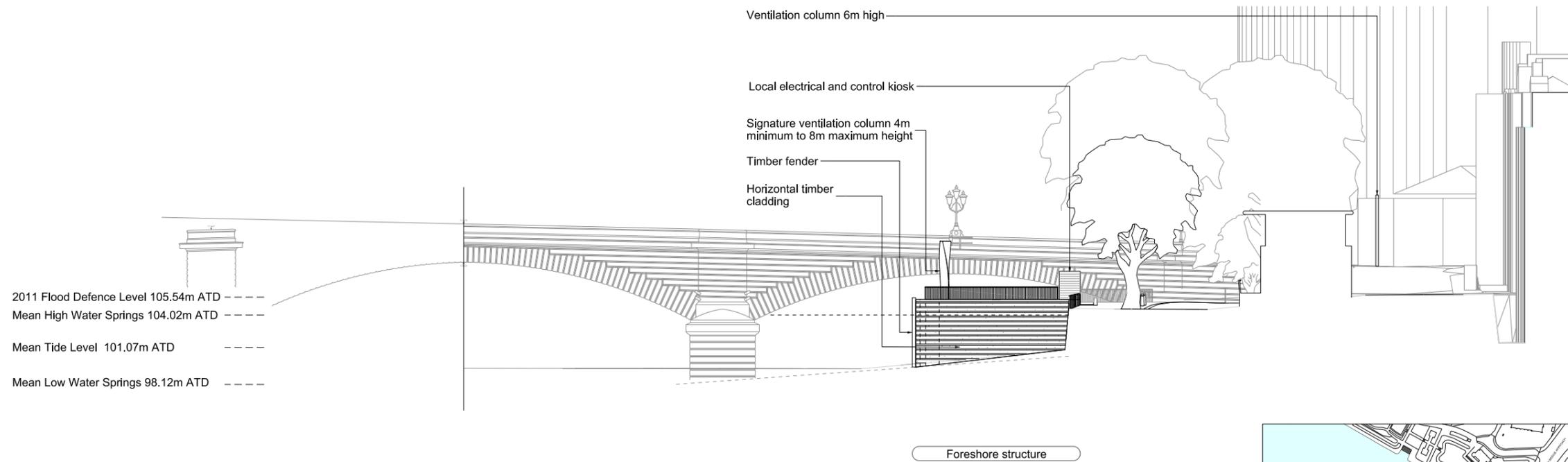


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

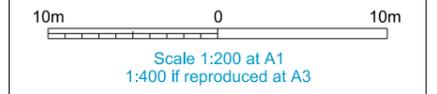
Notes:  
1. All dimensions and levels are approximate.



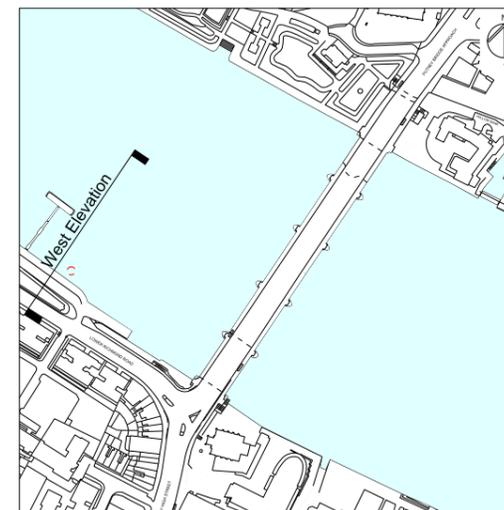
As existing West elevation (at foreshore structure location).



Proposed foreshore structure West elevation



**ILLUSTRATIVE**



**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
As existing and proposed  
Foreshore structure west elevation  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080023  
January 2013



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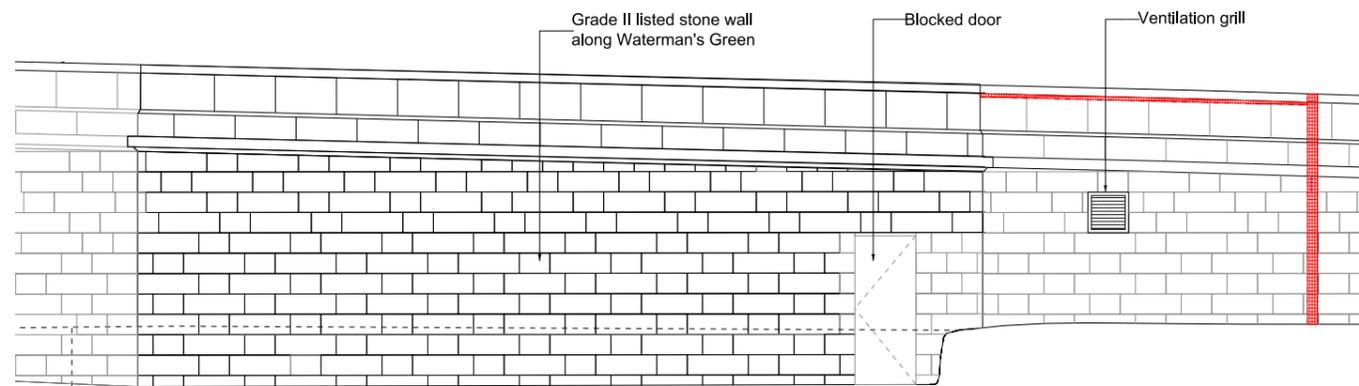
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key:

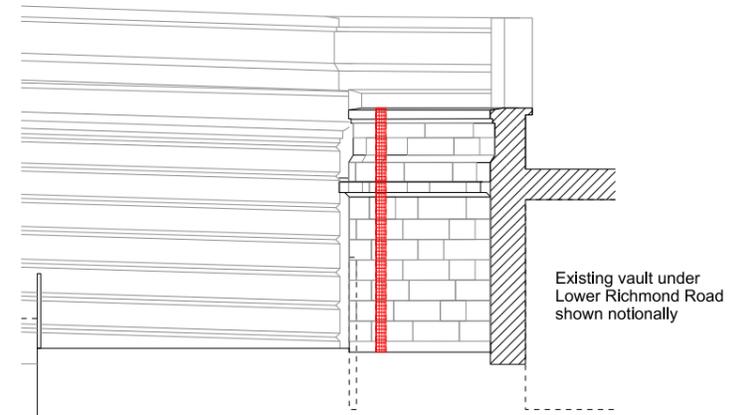
Maximum permanent extent of loss of listed buildings / structures

Notes:

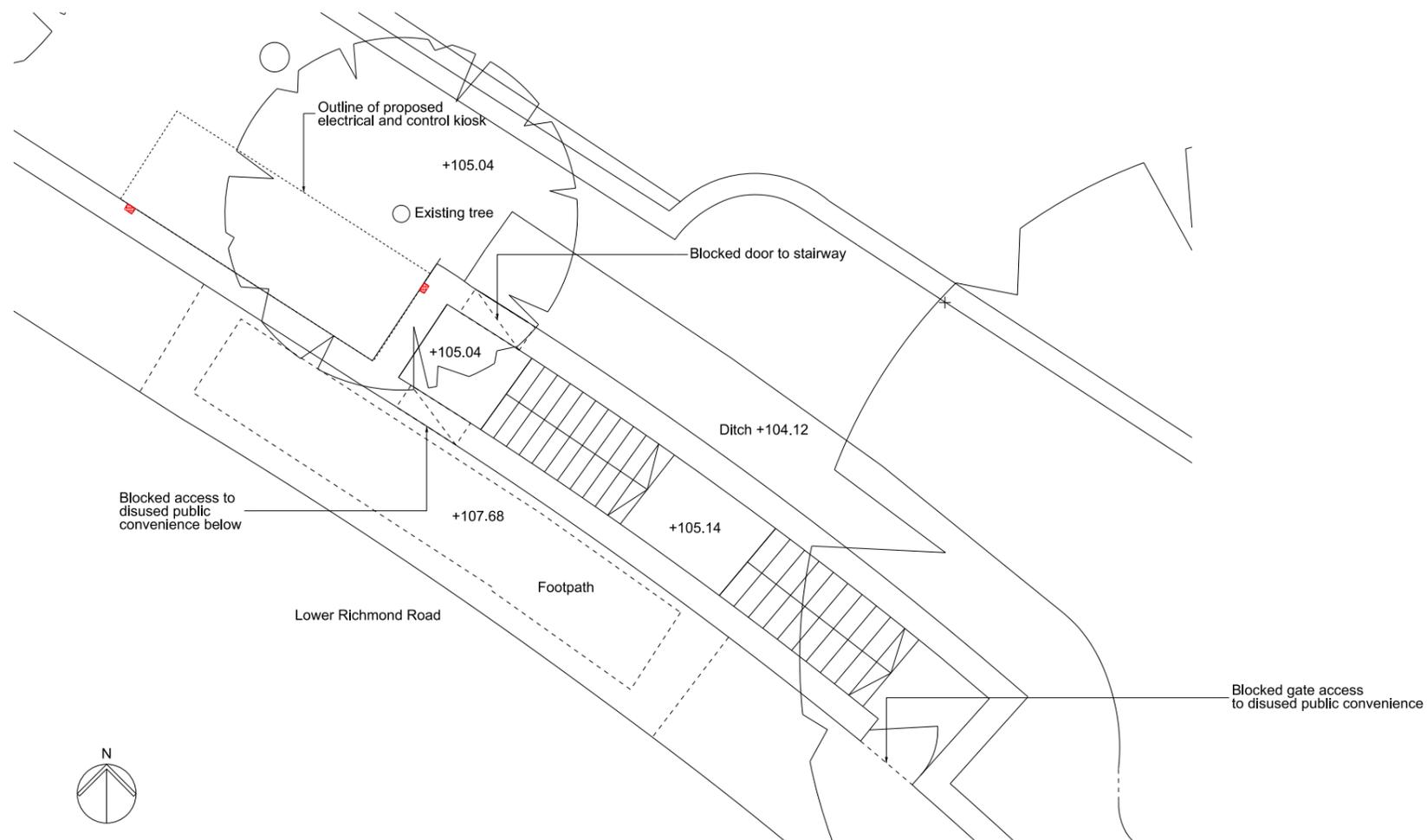
1. All dimensions and levels are approximate.
2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.



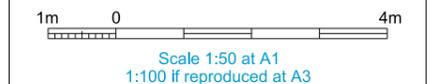
As Existing: Waterman's Green wall elevation showing extent of loss



As Existing: Waterman's Green side elevation



As Existing: Waterman's Green plan showing extent of loss



**FOR INFORMATION**  
Save for maximum extent of loss of listed structures which is for approval

Location  
**Putney Embankment Foreshore**  
London Borough of Wandsworth

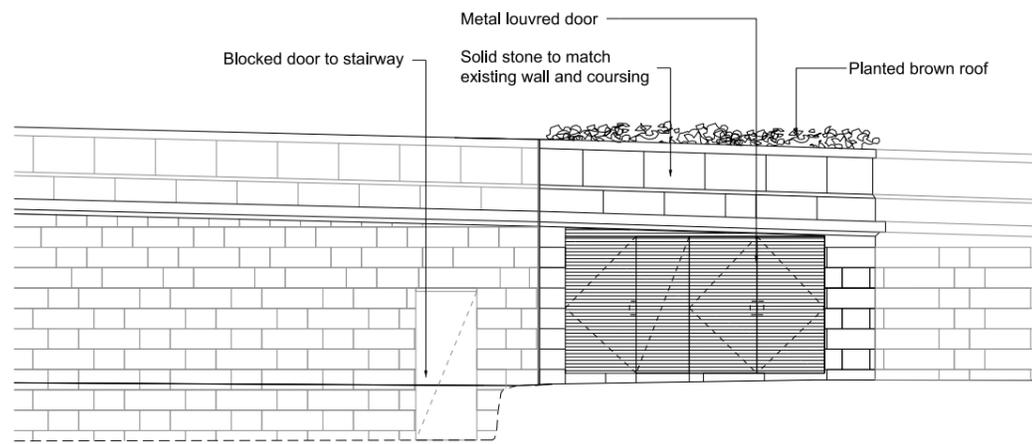
Document Information  
**Application for Development Consent**  
As existing listed structure interface - Kiosk  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080024  
January 2013



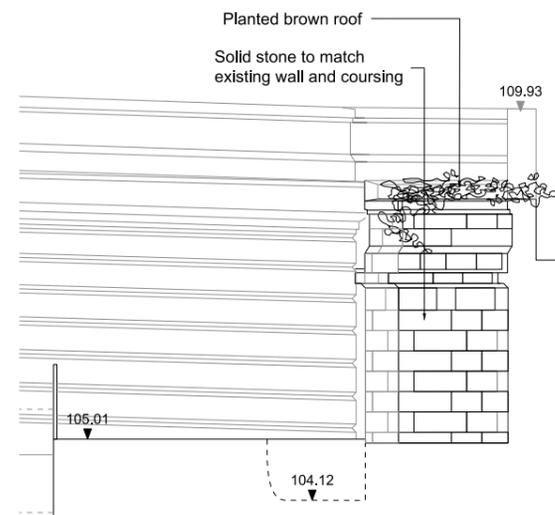


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

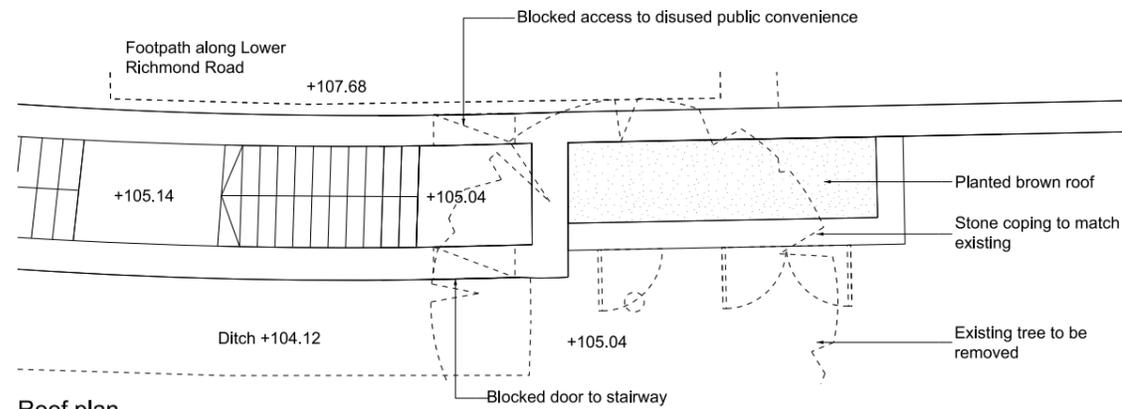
- Notes:
1. All dimensions and levels are approximate.
  2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.



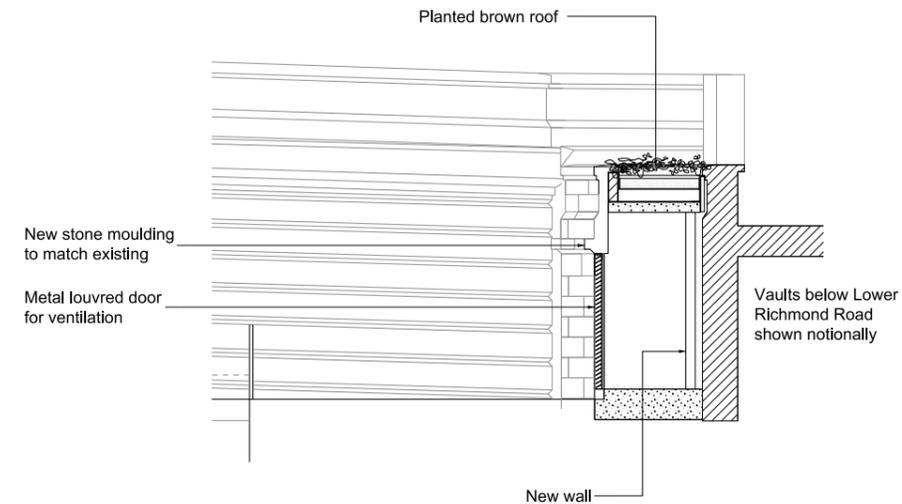
Front wall elevation



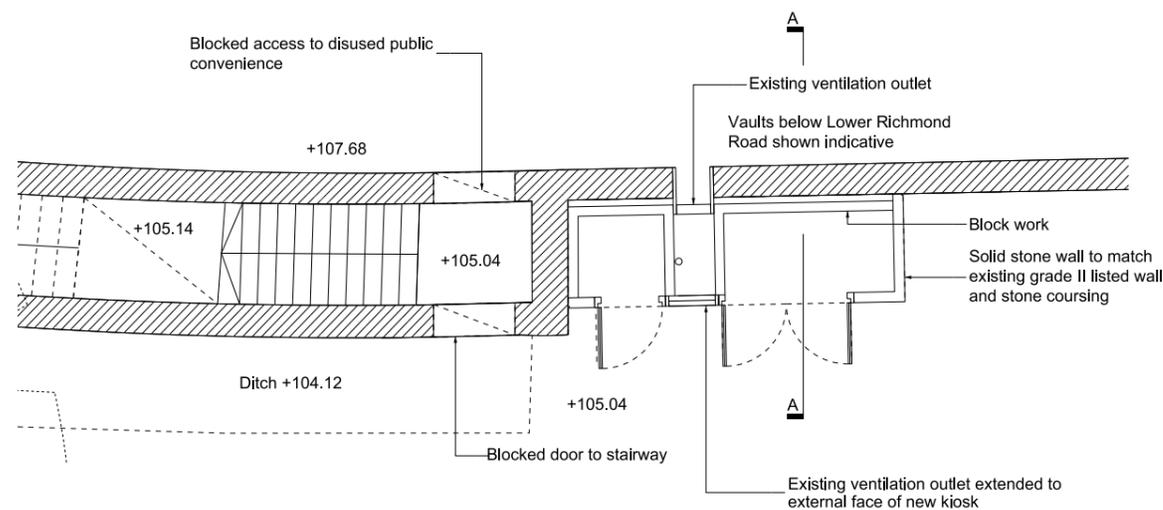
Side elevation



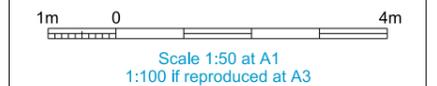
Roof plan



Section AA



Floor plan



INDICATIVE

Location  
**Putney Embankment Foreshore**  
 London Borough of Wandsworth

Document Information  
**Application for Development Consent**  
 Proposed listed structure interface - Kiosk  
 Book of plans - section 8  
 DCO-PP-05X-PUTEF-080025  
 January 2013

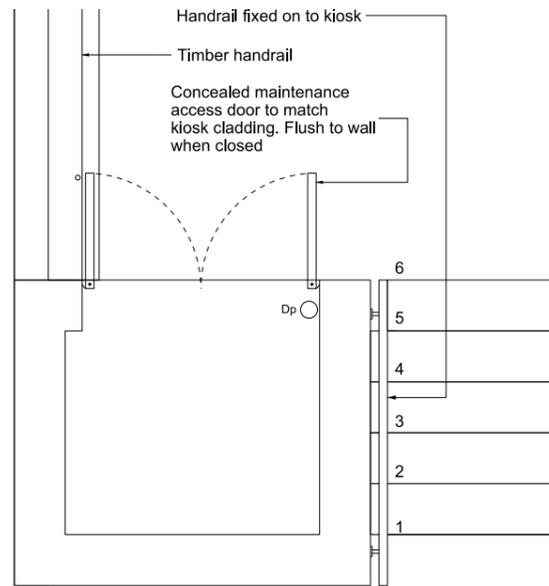


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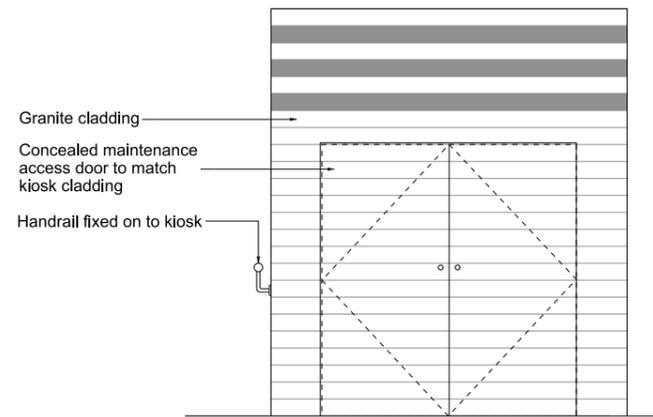


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

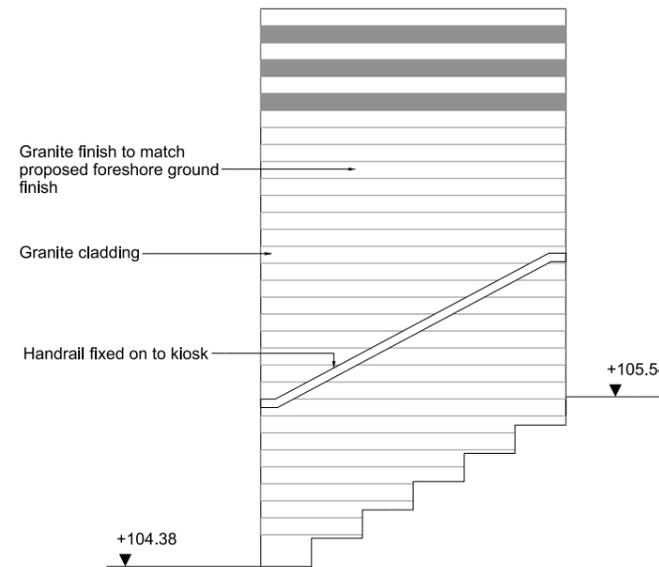
Notes:  
1. All dimensions and levels are approximate.



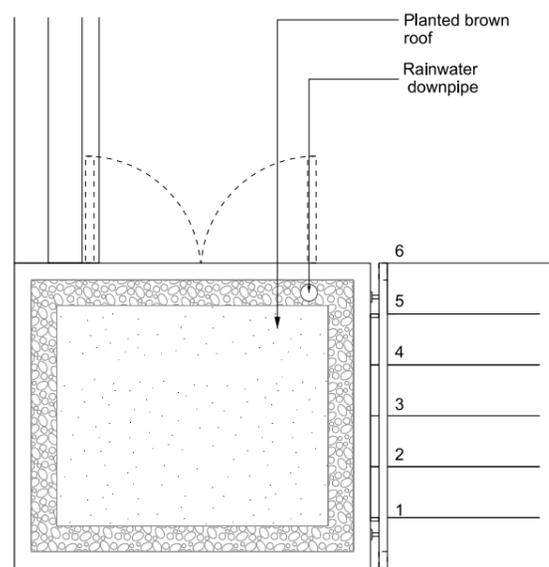
Plan



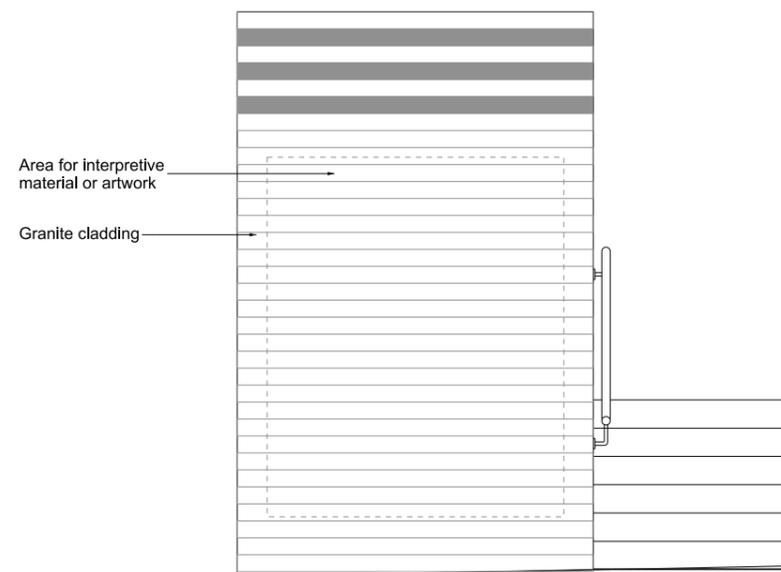
North elevation



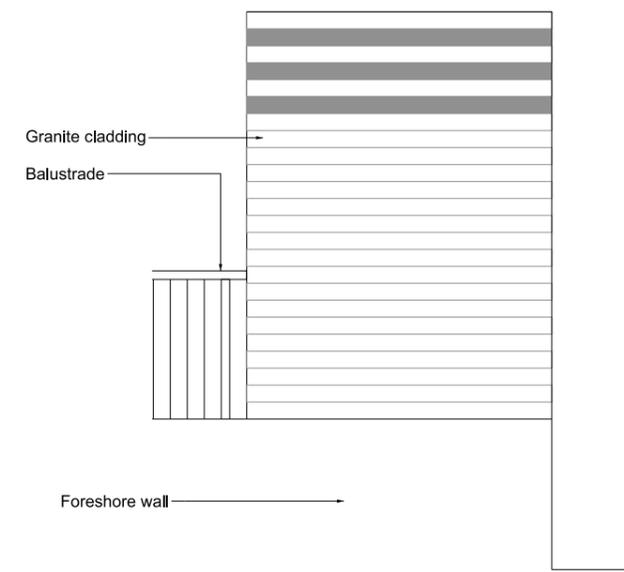
East elevation



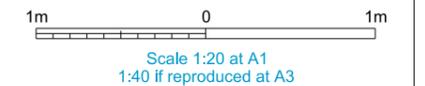
Roof plan



South elevation



West elevation



INDICATIVE

Location  
**Putney Embankment Foreshore**  
London Borough of Wandsworth

Document Information  
**Application for Development Consent**  
Foreshore kiosk design intent

Book of plans - section 8  
DCO-PP-05X-PUTEF-080026  
January 2013



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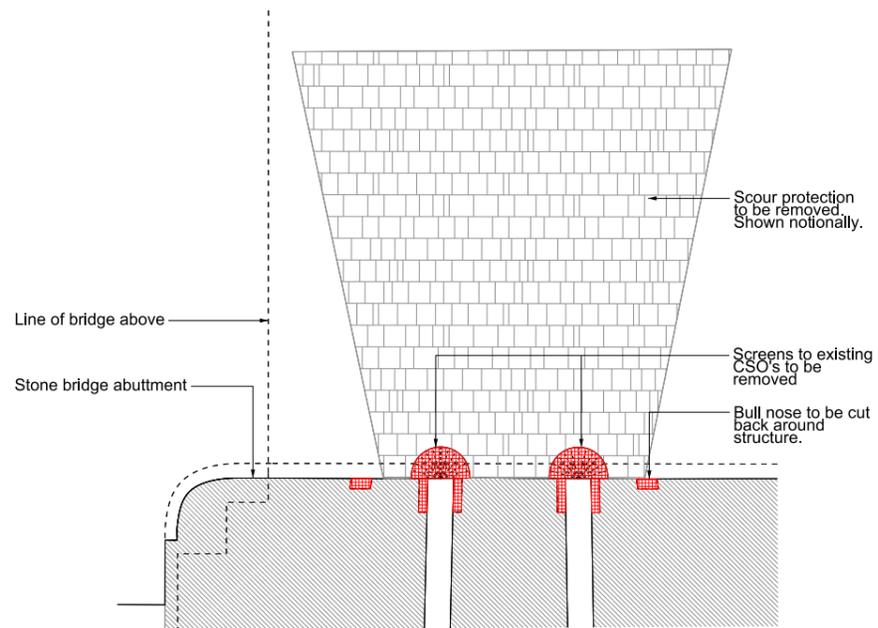
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

**Key:**

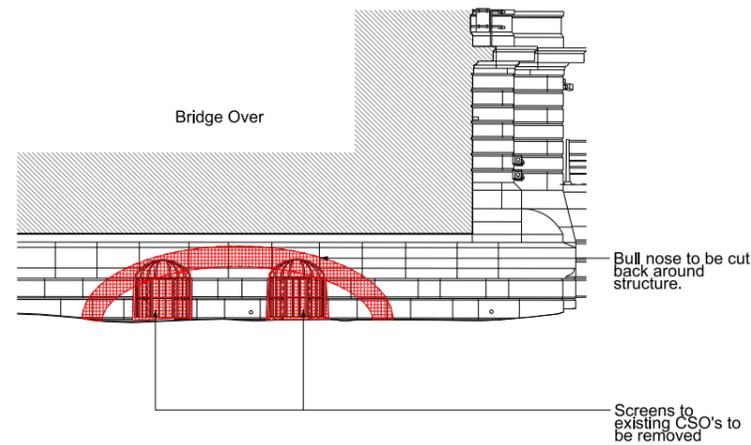
Maximum permanent extent of loss of listed buildings / structures

**Notes:**

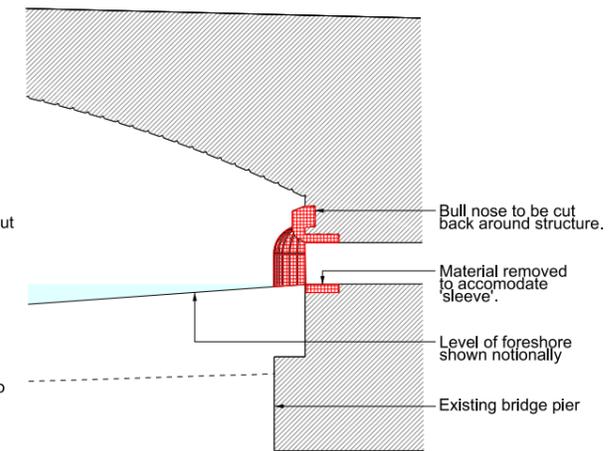
1. All dimensions and levels are approximate.
2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.



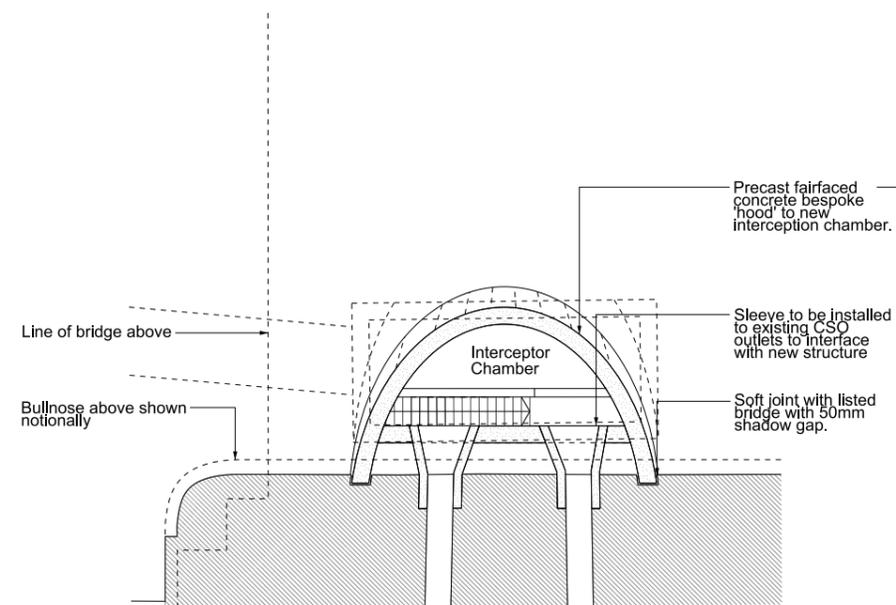
As Existing Plan



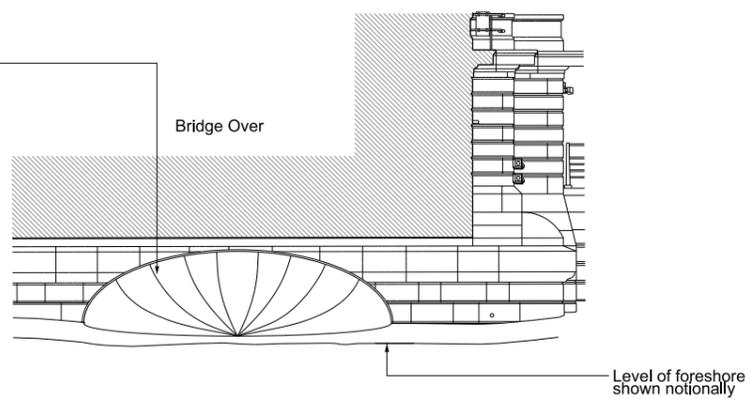
As Existing Front Elevation



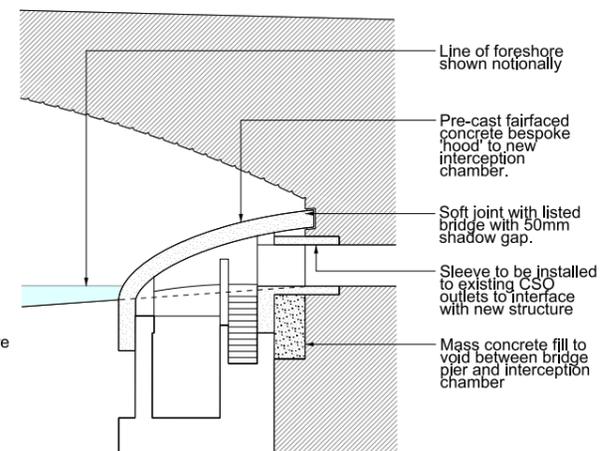
As Existing Section AA



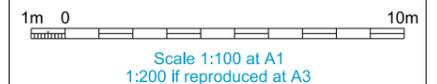
Proposed Plan



Proposed Front Elevation



Proposed Section AA

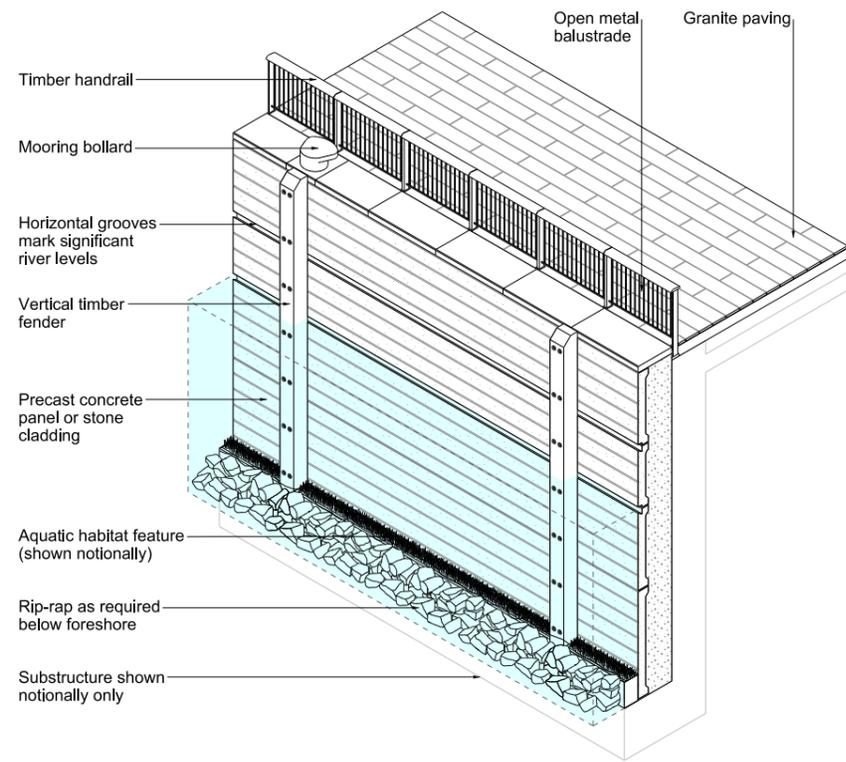


**INDICATIVE**  
Save for maximum extent of loss of listed structures which is for approval

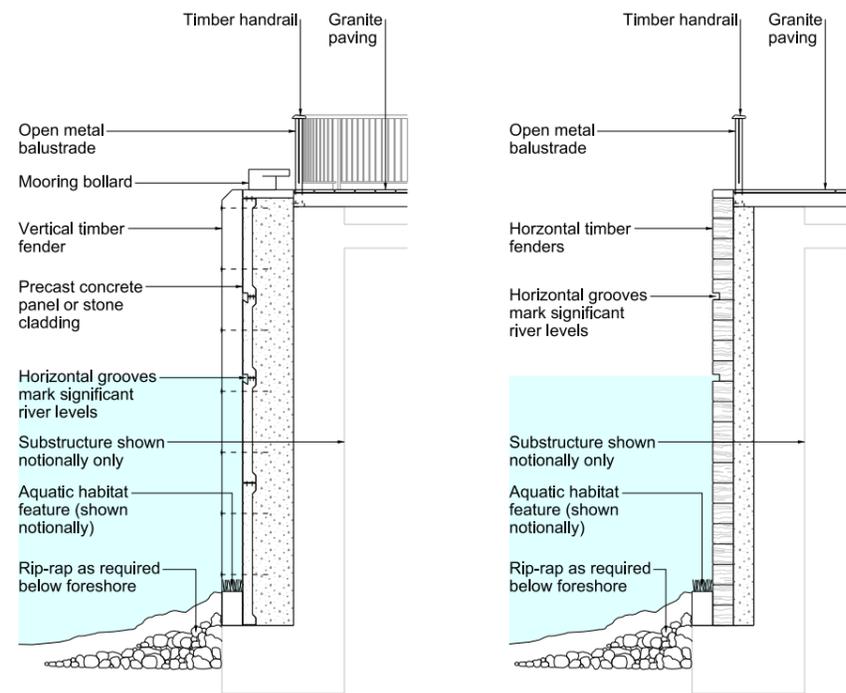
**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Proposed listed structure interface - Interception chamber  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080027  
January 2013



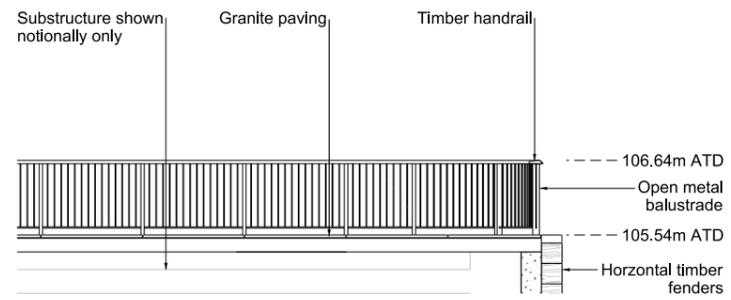


**Isometric**  
NTS

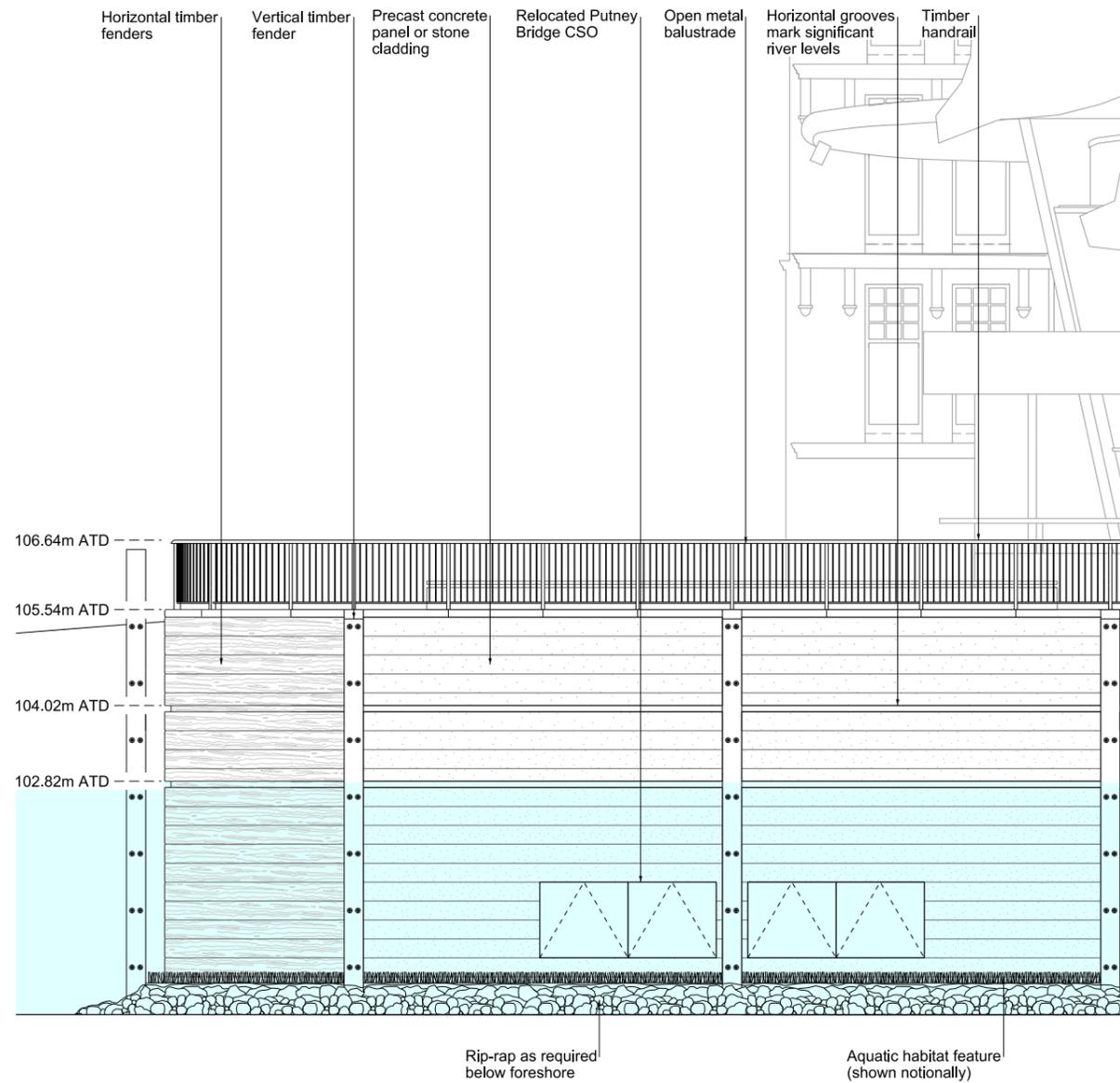


**Section CC**  
Scale 1:50

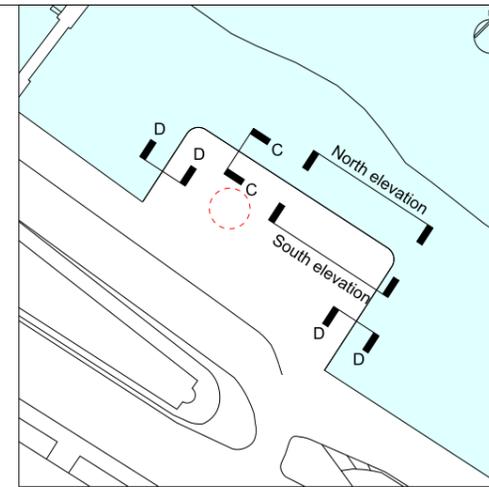
**Section DD**  
Scale 1:50



**South elevation**  
Scale 1:50



**North elevation**  
Scale 1:50

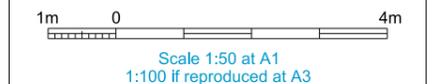


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**Notes:**  
1. All dimensions and levels are approximate.



**INDICATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Typical river wall design intent

Book of plans - section 8  
DCO-PP-05X-PUTEF-080028  
January 2013

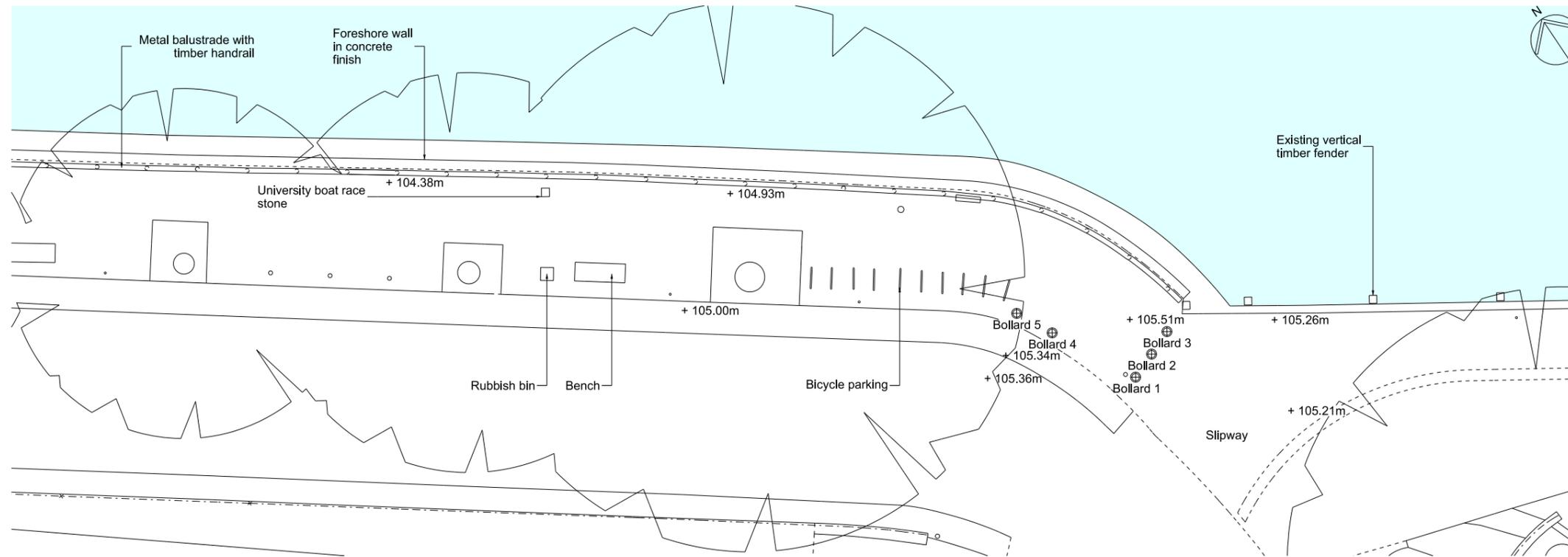




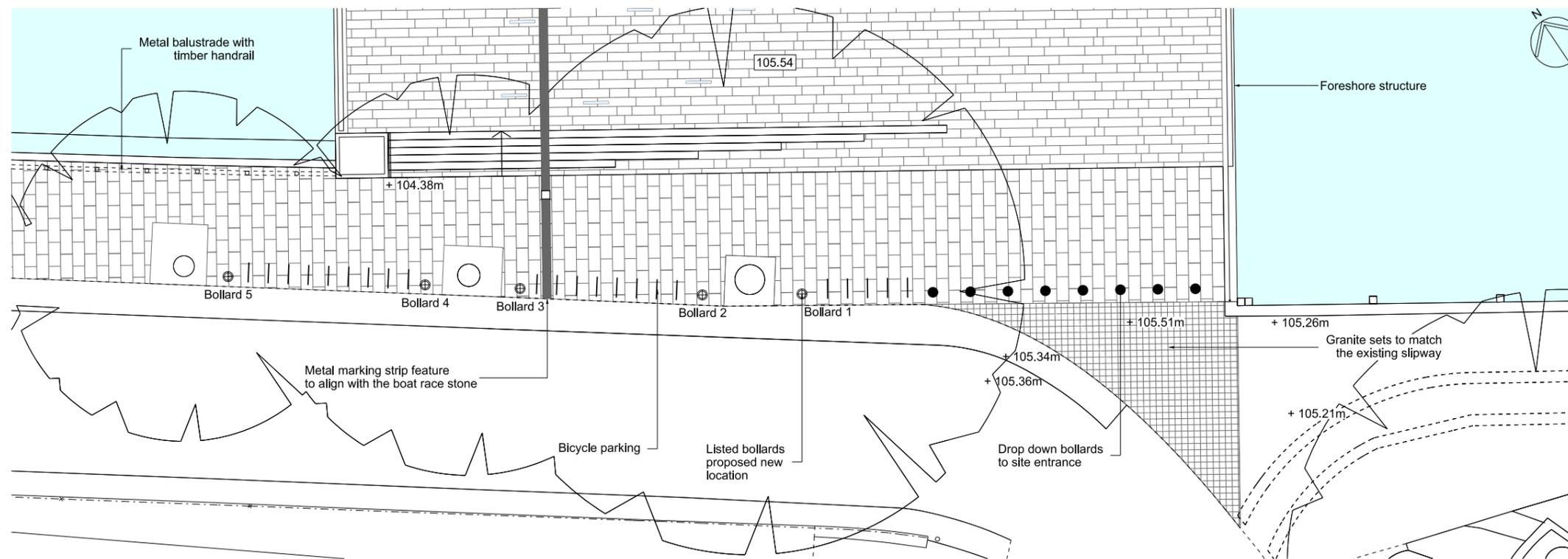
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

**Notes:**

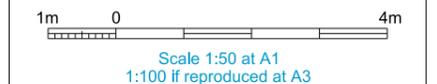
1. All dimensions and levels are approximate.
2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the topographic survey base, both of which have been used in the preparation of this drawing.
2. Drawing is based on as-constructed drawings and topographical survey and not on heritage survey.



As existing bollard location



Proposed bollard relocation

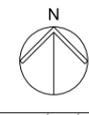
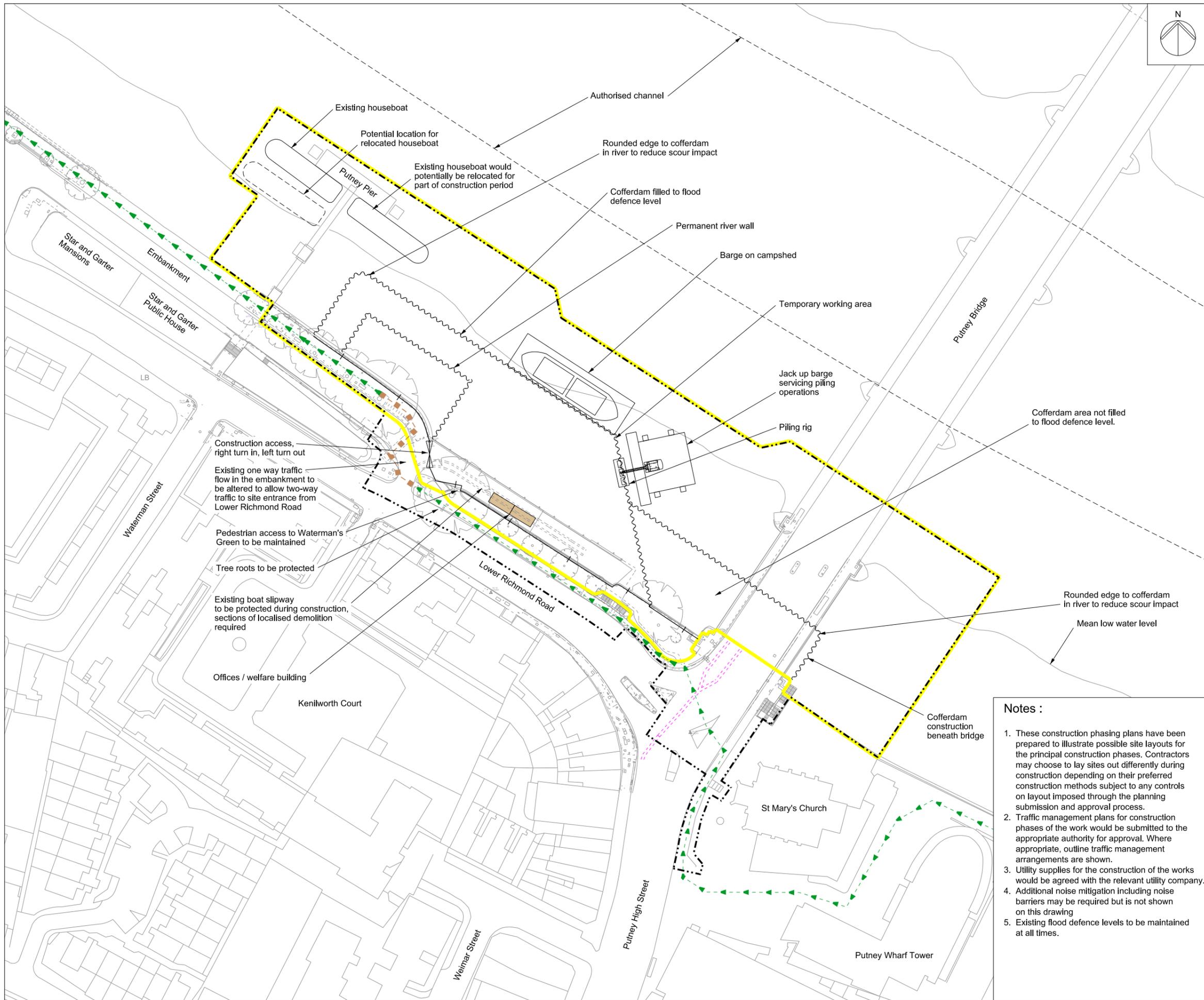


**ILLUSTRATIVE**

**Location**  
**Putney Embankment Foreshore**  
 London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
 As existing and proposed  
 Listed bollard location plan  
 Book of plans - section 8  
 DCO-PP-05X-PUTEF-080029  
 January 2013





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- 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



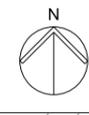
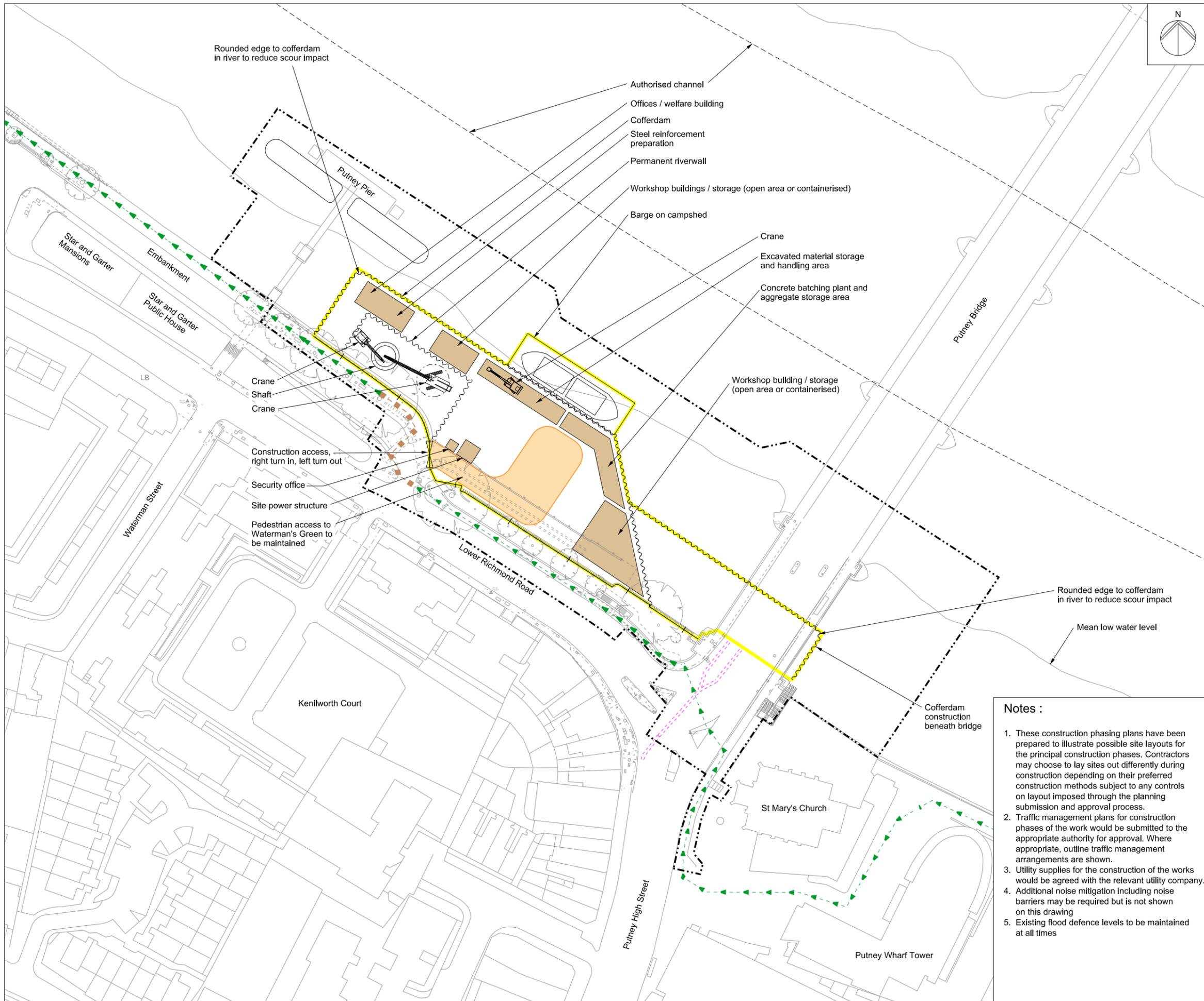
- Notes :**
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed 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 this drawing
  5. Existing flood defence levels to be maintained at all times.

**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
Construction phases - phase 1  
Site setup  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080030  
January 2013





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- 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



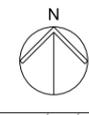
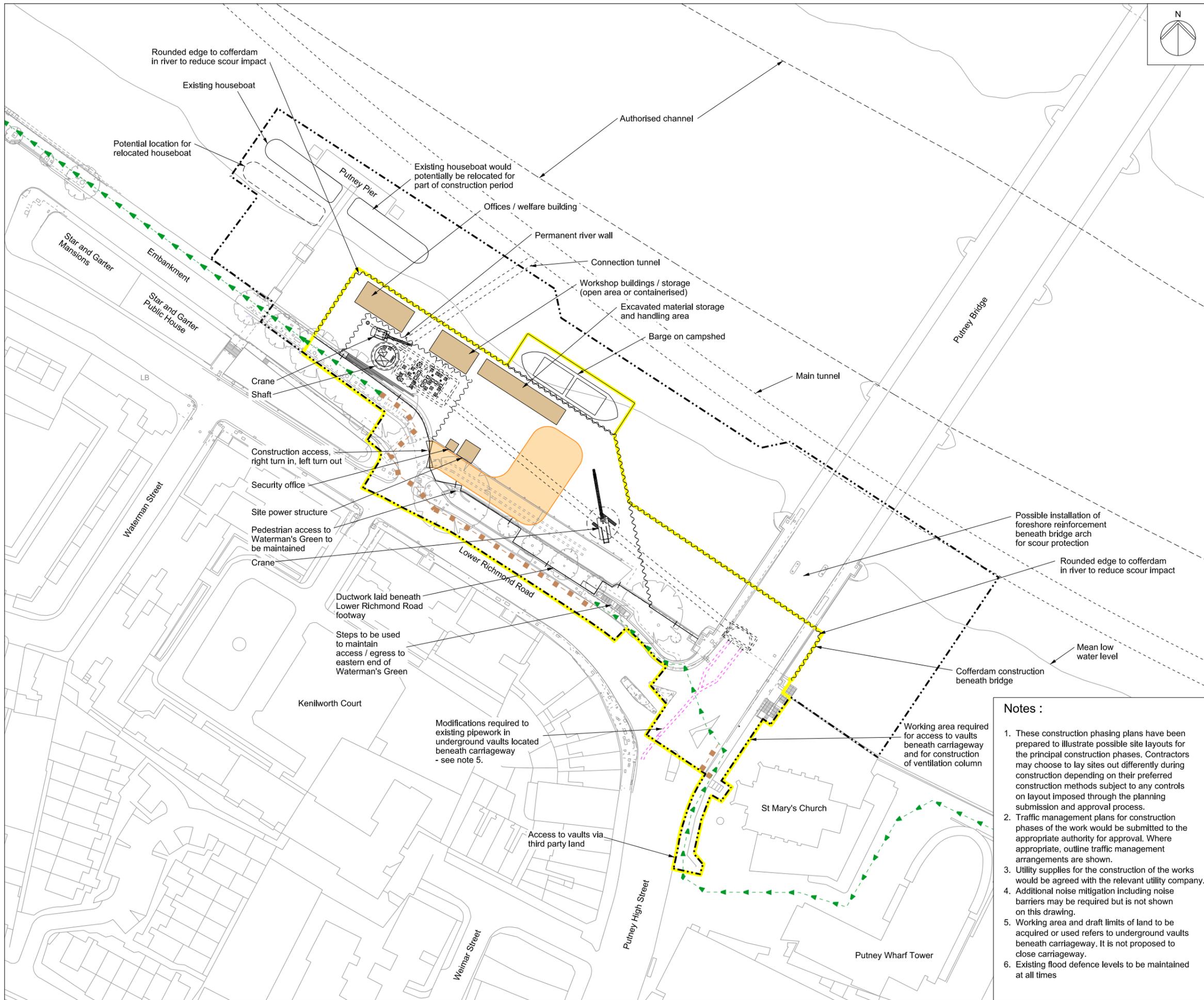
- Notes :**
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed 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 this drawing
  5. Existing flood defence levels to be maintained at all times

**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Construction phases - phase 2  
Shaft construction & tunnelling  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080031  
January 2013





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- 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 :**

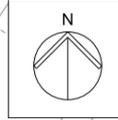
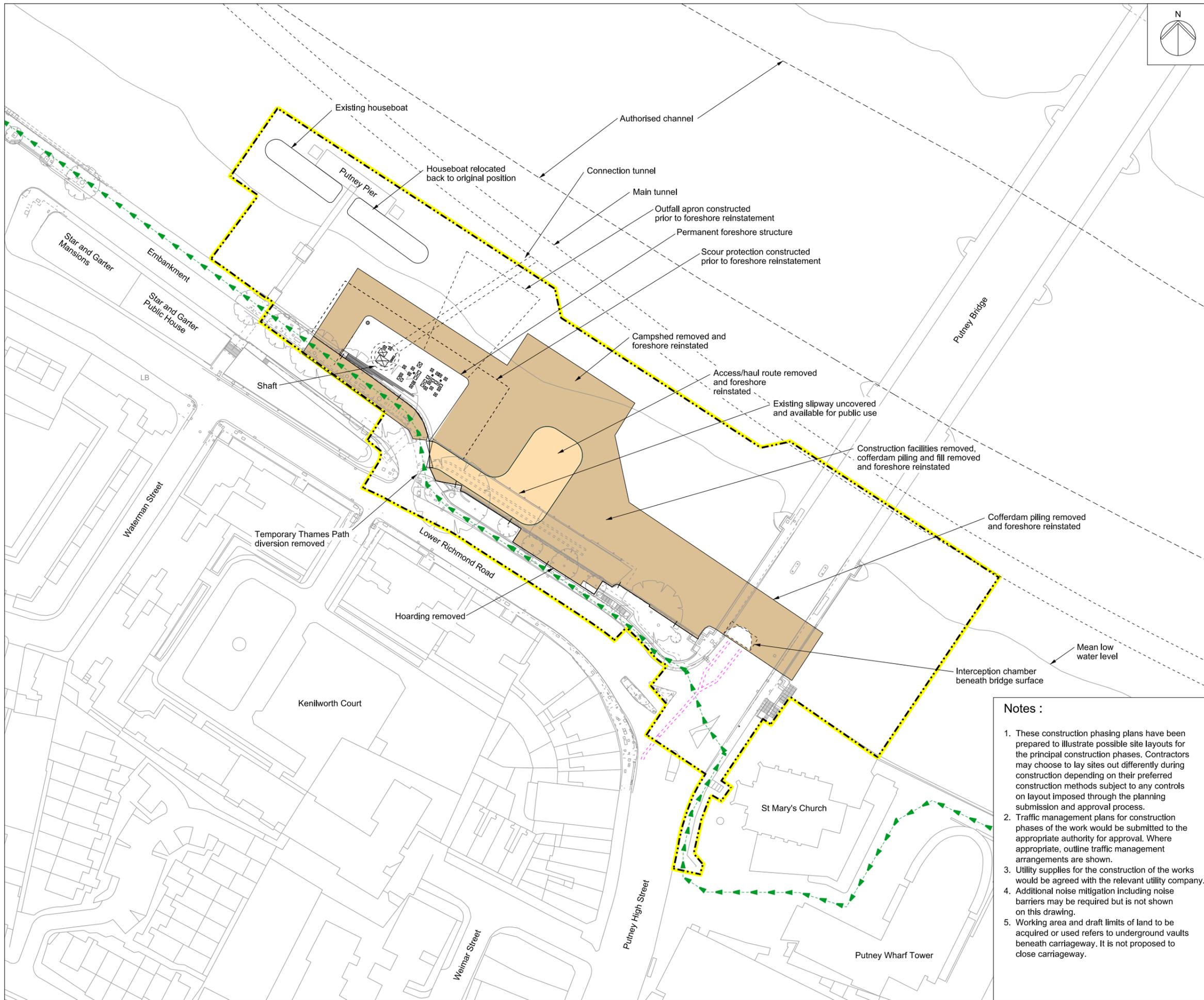
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed through 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 this drawing.
5. Working area and draft limits of land to be acquired or used refers to underground vaults beneath carriageway. It is not proposed to close carriageway.
6. Existing flood defence levels to be maintained at all times

**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Construction phases - phase 3  
Construction of other structures  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080032  
January 2013





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- 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



- 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 this drawing.
  5. Working area and draft limits of land to be acquired or used refers to underground vaults beneath carriageway. It is not proposed to close carriageway.

**ILLUSTRATIVE**

**Location**  
Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**  
Application for Development Consent  
Construction phases - phase 4  
Site demobilisation  
Book of plans - section 8  
DCO-PP-05X-PUTEF-080033  
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Keyplan:



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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

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 this drawing.

10m 0 40m

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

## ILLUSTRATIVE

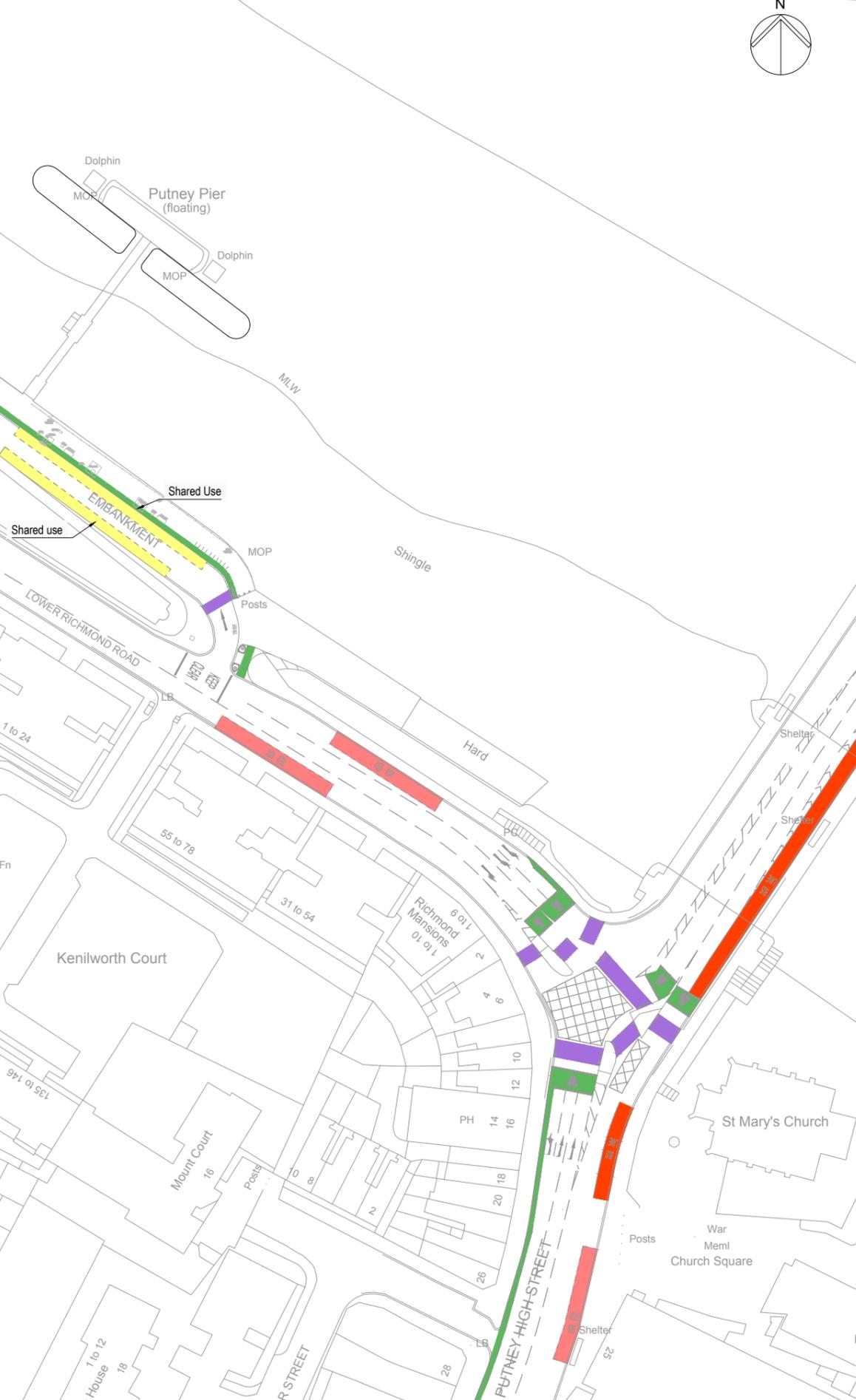
**Location**  
**Putney Embankment Foreshore**  
London Borough of Wandsworth

**Document Information**  
**Application for Development Consent**  
Construction phase - Temporary slipway

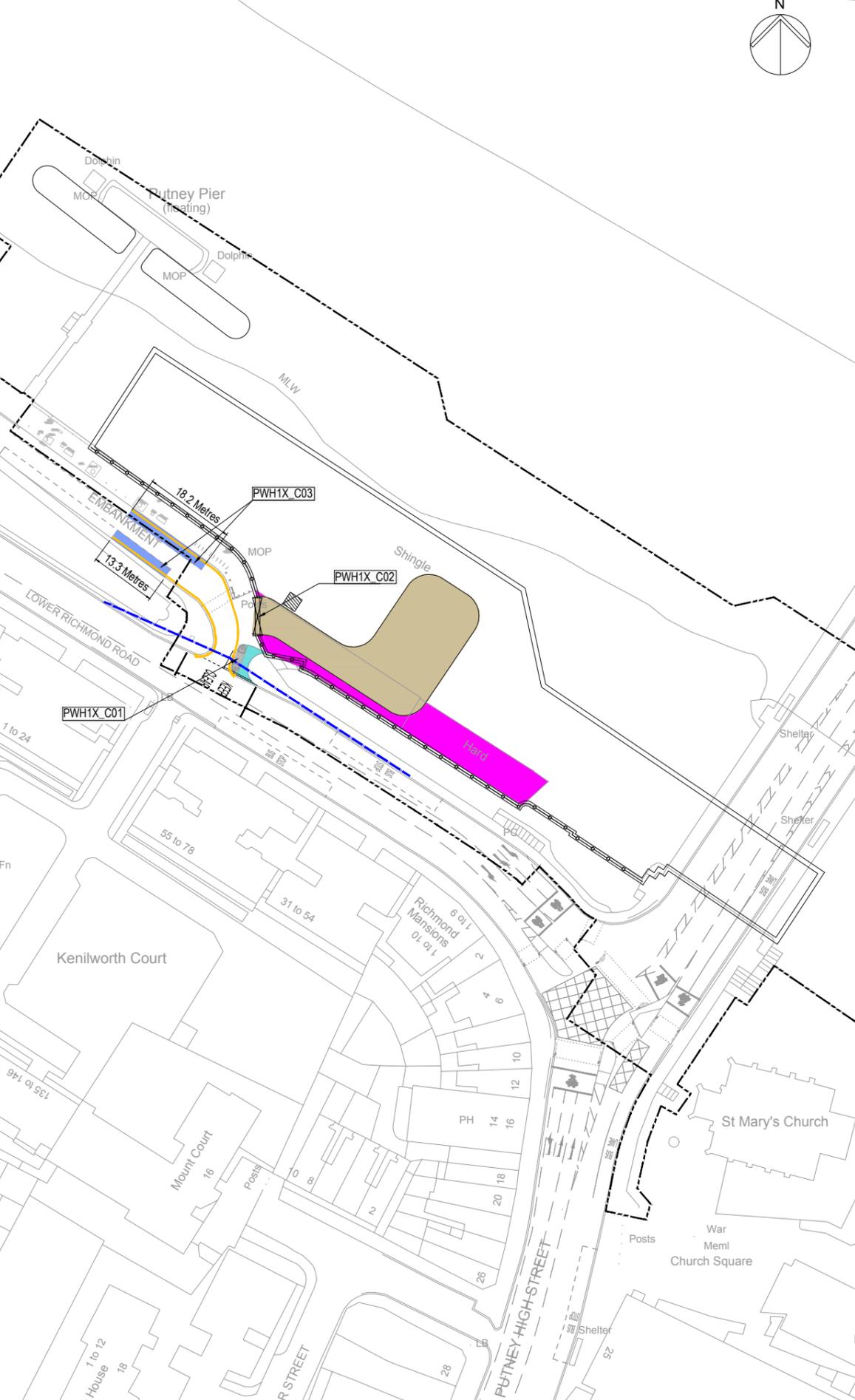
Book of plans - section 8  
DCO-PP-05X-PUTEF-080034  
January 2013



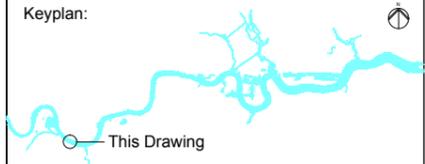
Existing & construction base case highway layout



Highway layout during construction



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**Key**

| Existing |   |
|----------|---|
|          | Parking restrictions  |
|          | On street parking   |
|          | Bus stop / stand  |
|          | Bus lane  |
|          | Pedestrian crossing   |
|          | Cycle lane / advance stop line  |
|          | Bicycle Parking   |
|          | Bollard   |
| Revised  |   |
|          | Parking restrictions  |
|          | Suspension of footway   |
|          | Suspension of Slipway   |
|          | Suspended on street parking   |
|          | Relocated cycle path  |
|          | Illustrative on-site manoeuvring zone                                     |
|          | Visibility splay - 2.4m x 43m / 2.4m x 27m (ssd adjust for bonnet length) |
|          | Site hut  |
|          | Site hoarding   |
|          | Access gate   |
|          | Limit of land to be acquired or used (LLAU)                               |
|          | See schedule of works   |

**On Street Parking**  
 Shared Use - A1 permit holders or pay & display max stay 4 hrs  
 Mon - Sat 8:30am - 6:30pm

- 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 1-3



**ILLUSTRATIVE**

**Location**  
 Putney Embankment Foreshore  
 London Borough of Wandsworth

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

DCO-PP-05X-PUTEF-080040  
 January 2013





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Keyplan:

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**Key**

**Existing**

- Parking restrictions
- On street parking
- Bus stop / stand
- Pedestrian crossing
- Cycle lane / advance stop line

**Revised**

- Parking restrictions
- Suspension of footway
- Suspension of slipway
- Suspended on street parking
- Intermittent loading area (with associated traffic management)
- Temporary barrier
- Intermittent barrier, to be removed during hgv access
- Site hoarding
- Access gate
- Visibility splay - 2.4m x 43m (ssd adjust for bonnet length)
- Limit of land to be acquired or used (LLAU)

PWH1X\_C00 See schedule of works

**On street parking**

Shared use - Shared use A1 permit holders or pay & display max stay 4hrs Mon - Sat 8:30am - 6:30pm  
 Permit holders - A1 permit holders only Mon - Sat 8:30am - 6:30pm  
 Pay & display - Pay & display only max stay 1 hr Mon - Sat 10:00am - 4:00pm  
 Resident permit holders (1) - Residents permit holders only at all times  
 Resident permit holders (2) - Residents permit holders only Mon - Sat 8:30am - 6:30pm

**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

10m 0 40m  
 Scale 1:500 at A1  
 1:1000 if reproduced at A3

**ILLUSTRATIVE**

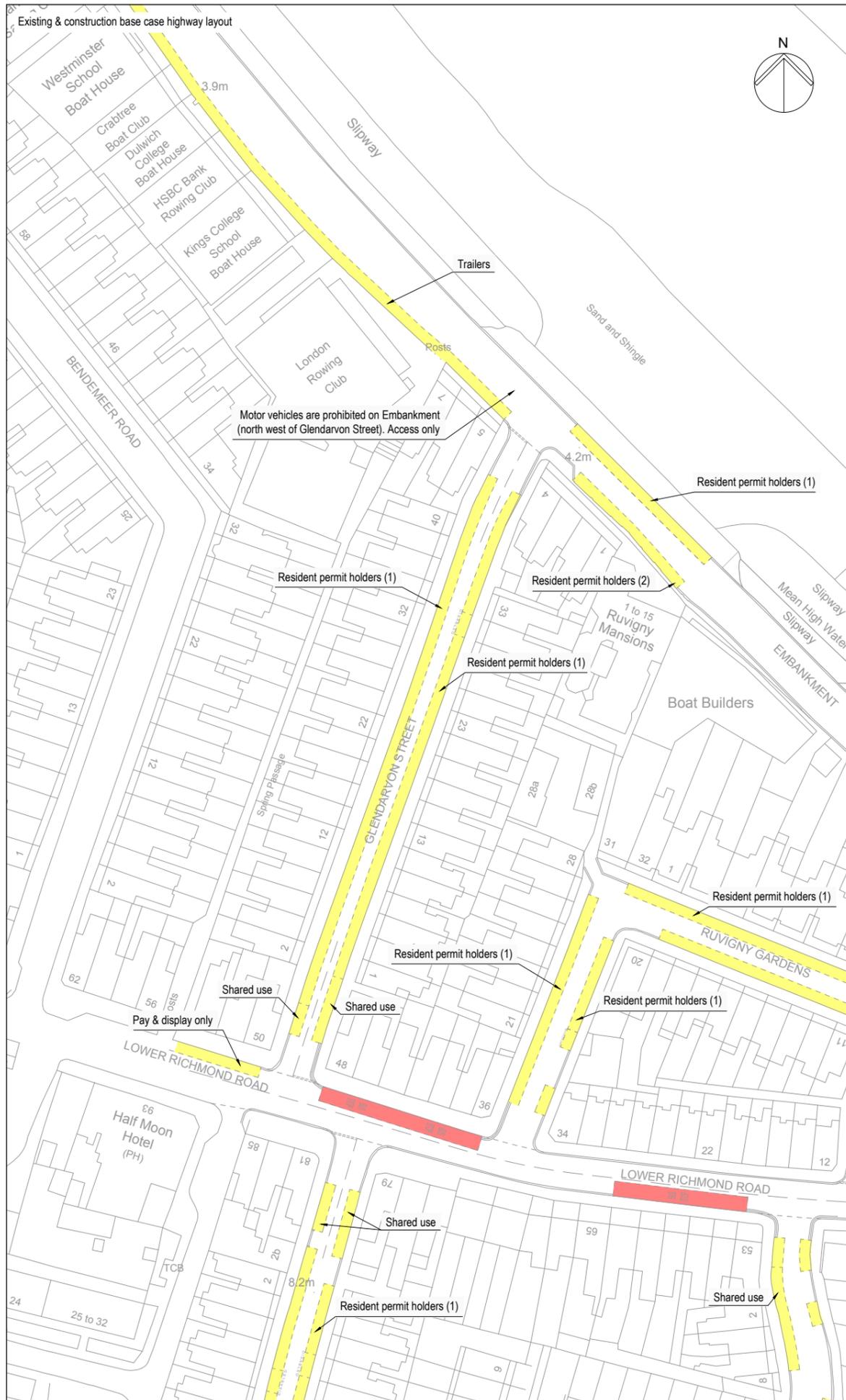
**Location**  
 Putney Embankment Foreshore  
 London Borough of Wandsworth

**Document Information**  
 Application for Development Consent  
 Highway layout during construction (Area 2)

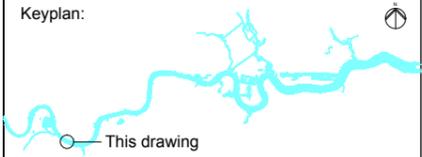
DCO-PP-05X-PUTEF-080041  
 January 2013

**Stage**  
 Enabling works

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**Key**

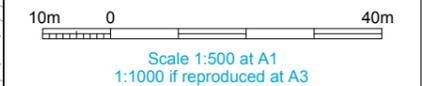
|          |  |
|----------|--|
| Existing | Parking restrictions   |
|          | On street parking  |
|          | Bus stop / stand   |
| Revised  | Parking restrictions   |
|          | Suspension of footway  |
|          | Suspension of slipway  |
|          | Suspended on street parking                                  |
|          | Illustrative on-site manoeuvring zone                        |
|          | Temporary barrier  |
|          | Visibility splay - 2.4m x 43m (ssd adjust for bonnet length) |
|          | Site hoarding  |
|          | Access gate  |
|          | Limit of land to be acquired or used (LLAU)                  |

PWH1X\_C00 See schedule of works

**On street parking**  
 Shared use - Shared use A1 permit holders or pay & display max stay 4hrs Mon - Sat 8:30am - 6:30pm  
 Permit holders - A1 permit holders only Mon - Sat 8:30am - 6:30pm  
 Pay & display - Pay & display only max stay 1 hr Mon - Sat 10:00am - 4:00pm  
 Residence permit holders (1) - Residents permit holders only at all times  
 Residents permit holders (2) - Residents permit holders only Mon - Sat 8:30am - 6:30pm

**Stage**  
 Enabling works

- 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, Fla, 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



**ILLUSTRATIVE**

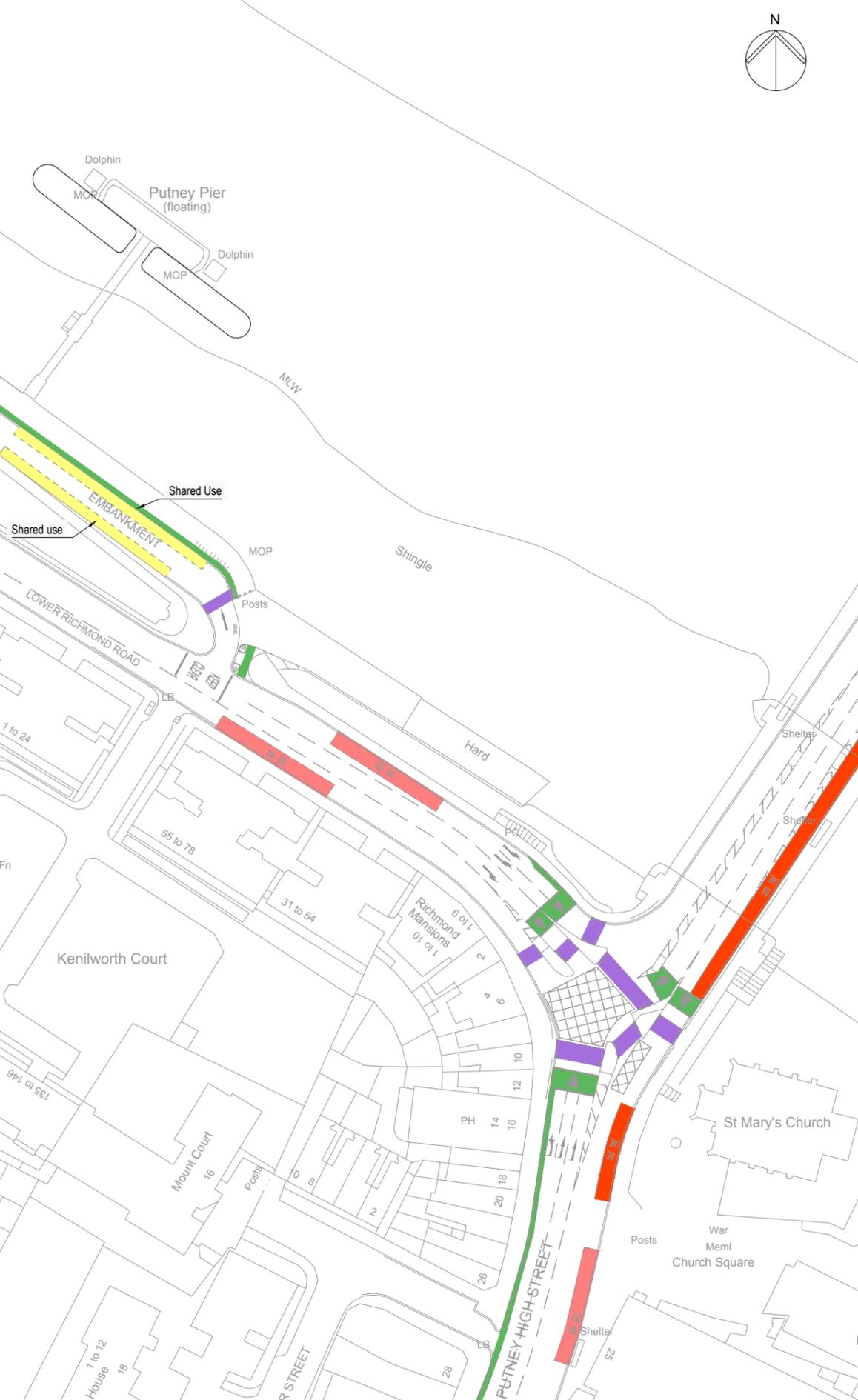
**Location**  
 Putney Embankment Foreshore  
 London Borough of Wandsworth

**Document Information**  
 Application for Development Consent  
 Highway layout during construction  
 (Area 3)

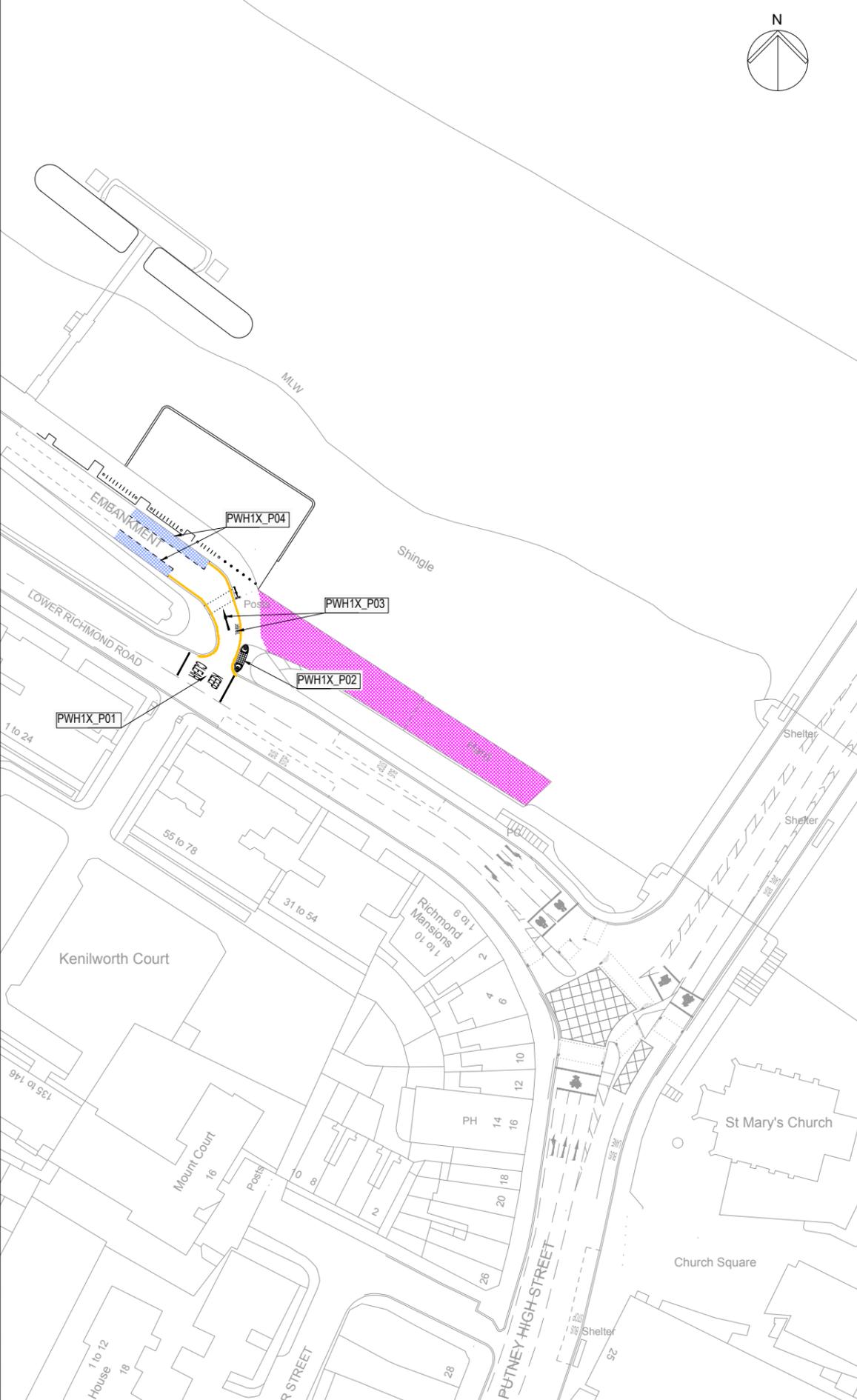
DCO-PP-05X-PUTEF-080042  
 January 2013



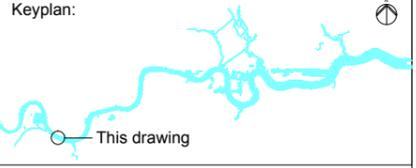
Existing & construction base case highway layout



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           |
|          | — | On street parking              |
|          | — | Bus stop / stand               |
|          | — | Bus lane                       |
|          | — | Pedestrian crossing            |
|          | — | Cycle lane / advance stop line |
|          | — | Bicycle stand                  |
|          | — | Bollard                        |
| Revised  | — | Reinstated parking restriction |
|          | — | Reinstated footway             |
|          | — | Reinstated slipway             |
|          | — | Reinstated on street parking   |
|          | — | Reinstated bollards            |
|          | — | Proposed removable bollards    |
|          | — | New shoreline wall             |
|          | — | New bicycle parking            |
|          | — | See schedule of works          |

**On street parking**  
 Shared use - A1 permit holders or pay & display max stay 4hrs  
 Mon - Sat 8:30am - 6:30pm

**Stage**  
 Permanent phase

- 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



ILLUSTRATIVE

**Location**  
 Putney Embankment Foreshore  
 London Borough of Wandsworth

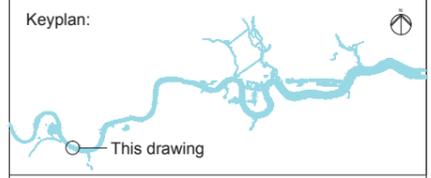
**Document Information**  
 Application for Development Consent  
 Permanent highway layout  
 Area 1 work

DCO-PP-05X-PUTEF-080043  
 January 2013





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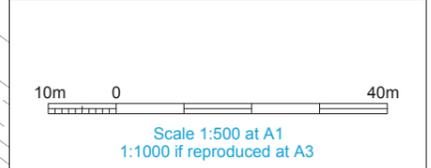
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key**
- Existing
    - Parking restrictions
    - On street parking
    - Bus stop / stand
    - Pedestrian crossing
    - Cycle lane / advance stop line
  - Revised
    - Reinstated parking restrictions
    - Reinstated footway
    - Reinstated slipway
    - Reinstated on street parking
    - See schedule of works

**On street parking**  
 Shared use - Shared use A1 permit holders or pay & display max stay 4hrs Mon - Sat 8:30am - 6:30pm  
 Permit holders - A1 permit holders only Mon - Sat 8:30am - 6:30pm  
 Pay & display - Pay & display only max stay 1 hr Mon - Sat 10:00am - 4:00pm  
 Resident permit holders (1) - Residents permit holders only at all times  
 Residents permit holders (2) - Residents permit holders only Mon - Sat 8:30am - 6:30pm

**Stage**  
 Permanent phase

- 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



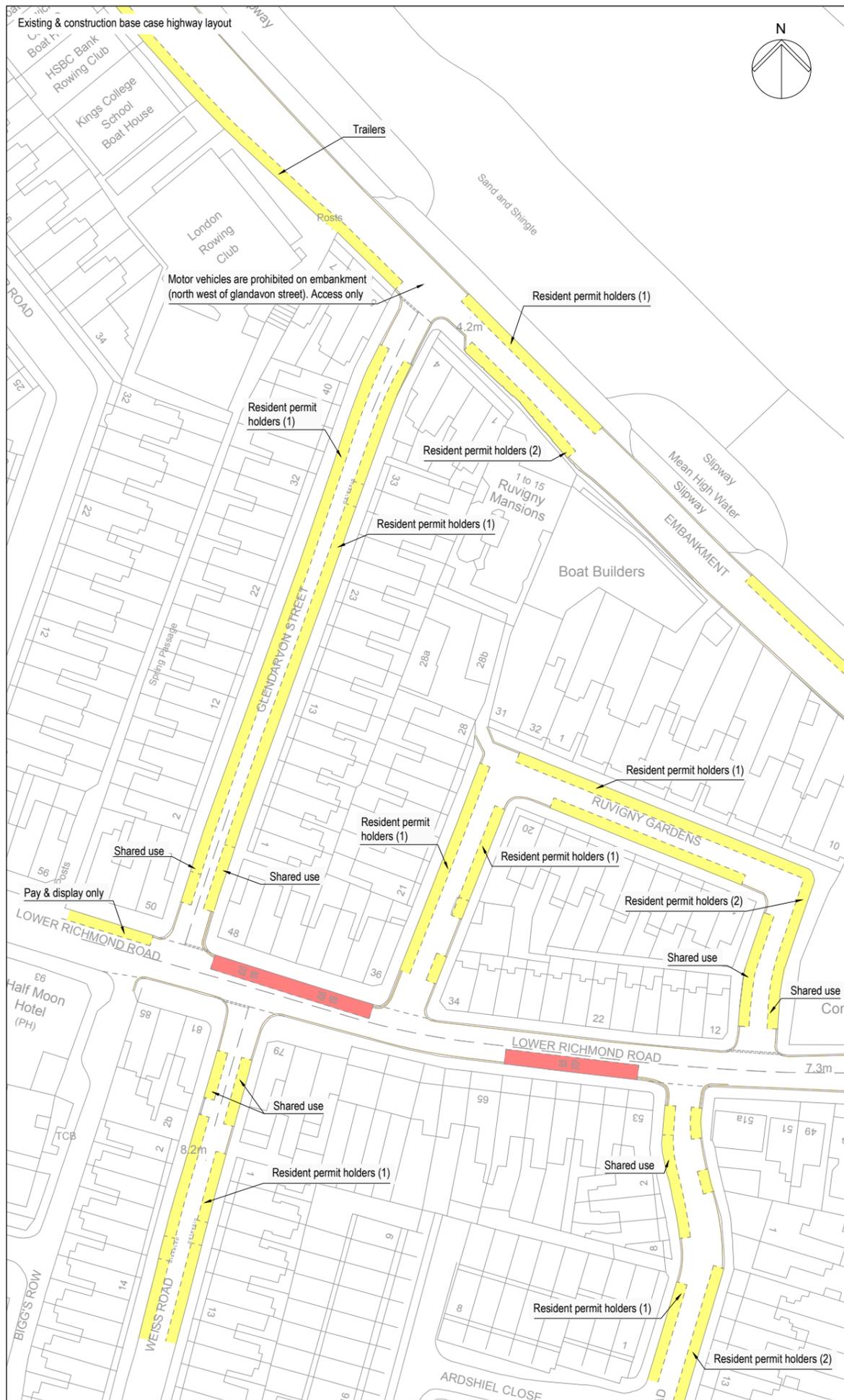
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**Location**  
 Putney Embankment Foreshore  
 London Borough of Wandsworth

**Document Information**  
 Application for Development Consent  
 Permanent highway layout  
 Area 2 work

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 January 2013





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**Keyplan:**

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**Key**

**Existing**

- Parking restrictions
- On street parking
- Bus stop / stand

**Revised**

- Reinstated parking restrictions
- Reinstated footway
- Reinstated slipway
- Reinstated on street parking
- PWH1X\_P00 See schedule of works

**On street parking**

Shared use - Shared use A1 permit holders or pay & display max stay 4hrs Mon - Sat 8:30am - 6:30pm

Permit holders - A1 permit holders only Mon - Sat 8:30am - 6:30pm

Pay & display - Pay & display only max stay 1 hr Mon - Sat 10:00am - 4:00pm

Residence permit holders (1) - Residents permit holders only at all times

Residents permit holders (2) - Residents permit holders only Mon - Sat 8:30am - 6:30pm

**Stage**

Permanent phase

**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
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- Guidance on the use of Tactile Paving Surfaces, DfT, 1998
- Accessible Bus Stop Design Guidance, TfL, 2006

10m 0 40m

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

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**Location**

Putney Embankment Foreshore  
London Borough of Wandsworth

**Document Information**

Application for Development Consent  
Permanent highway layout  
Area 3 work

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January 2013

Thames Tideway Tunnel  
Creating a cleaner healthier River Thames

Thames Water

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