

Thames Tideway Tunnel  
Thames Water Utilities Limited



# Application for Development Consent

Application Reference Number: WWO10001

## Book of Plans

Doc Ref: **2.20**

### Shad Thames Pumping Station

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

Hard copy available in  
Box **62** 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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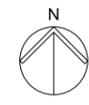
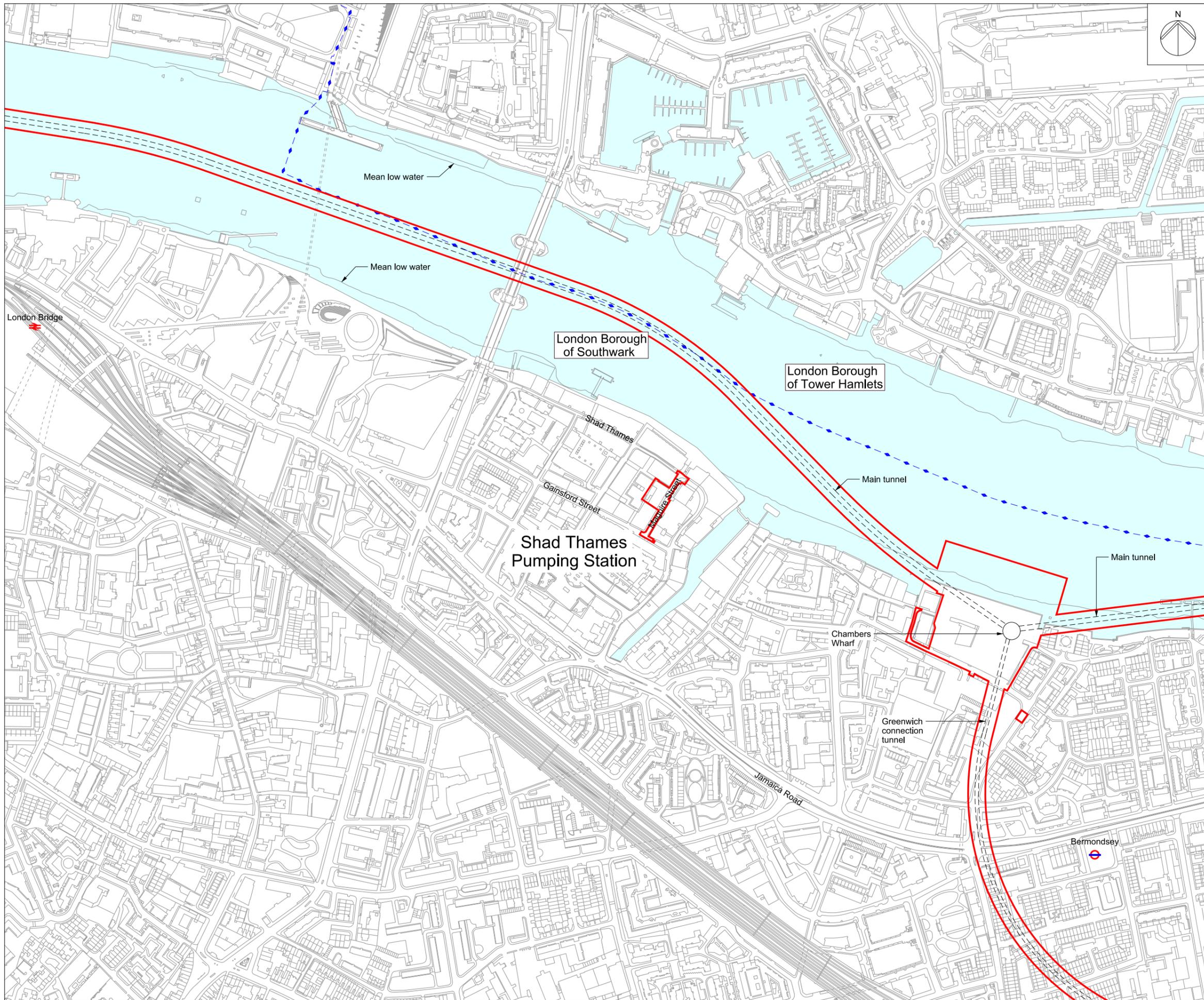
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## Volume 5

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



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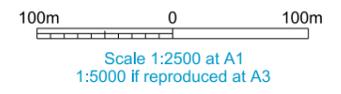


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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

Notes:

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



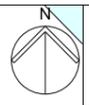
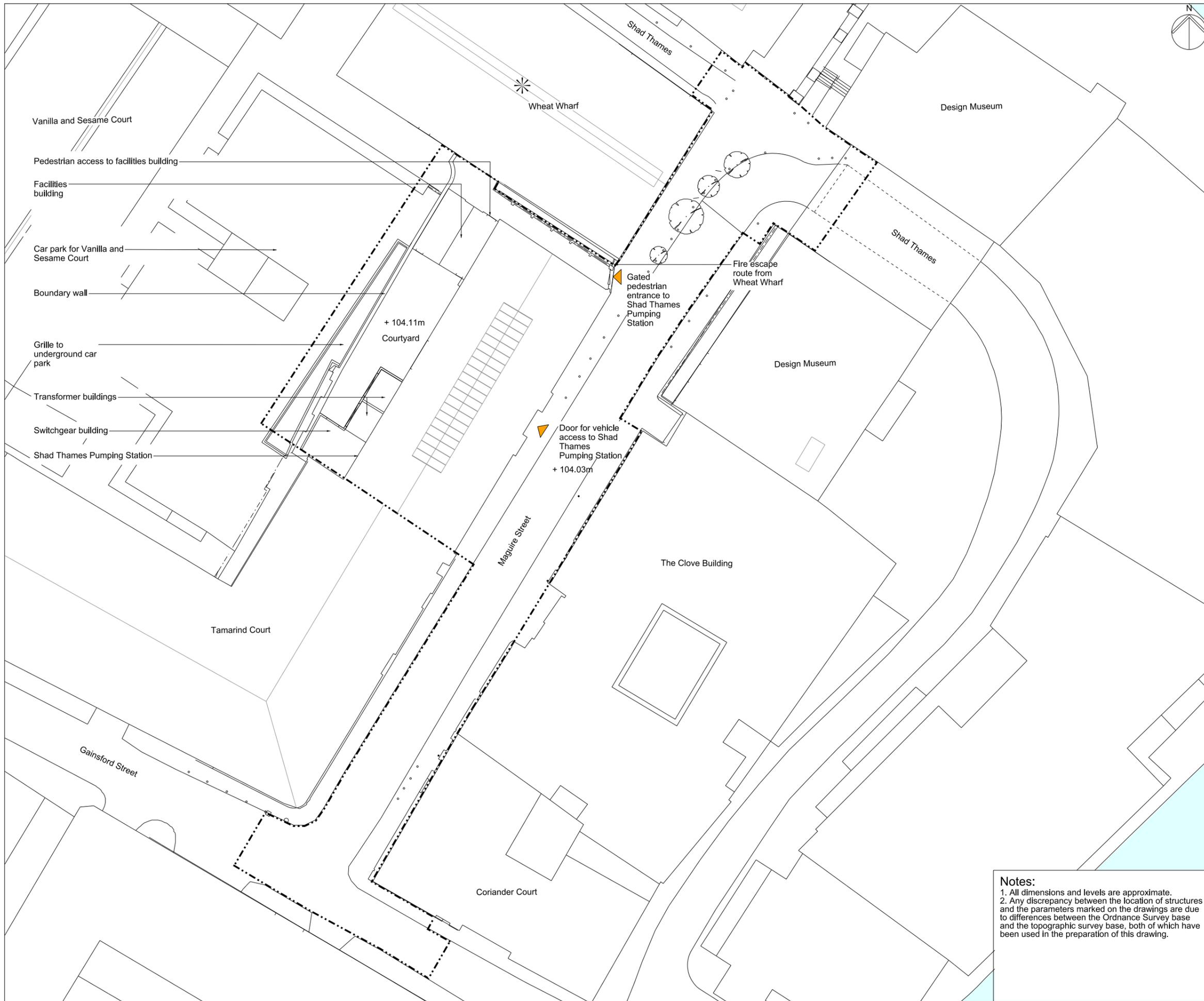
## FOR INFORMATION

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

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

Book of plans - section 20  
 DCO-PP-18X-SHTPS-200001  
 January 2013



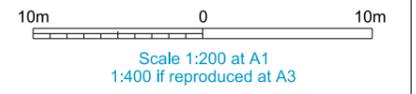


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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



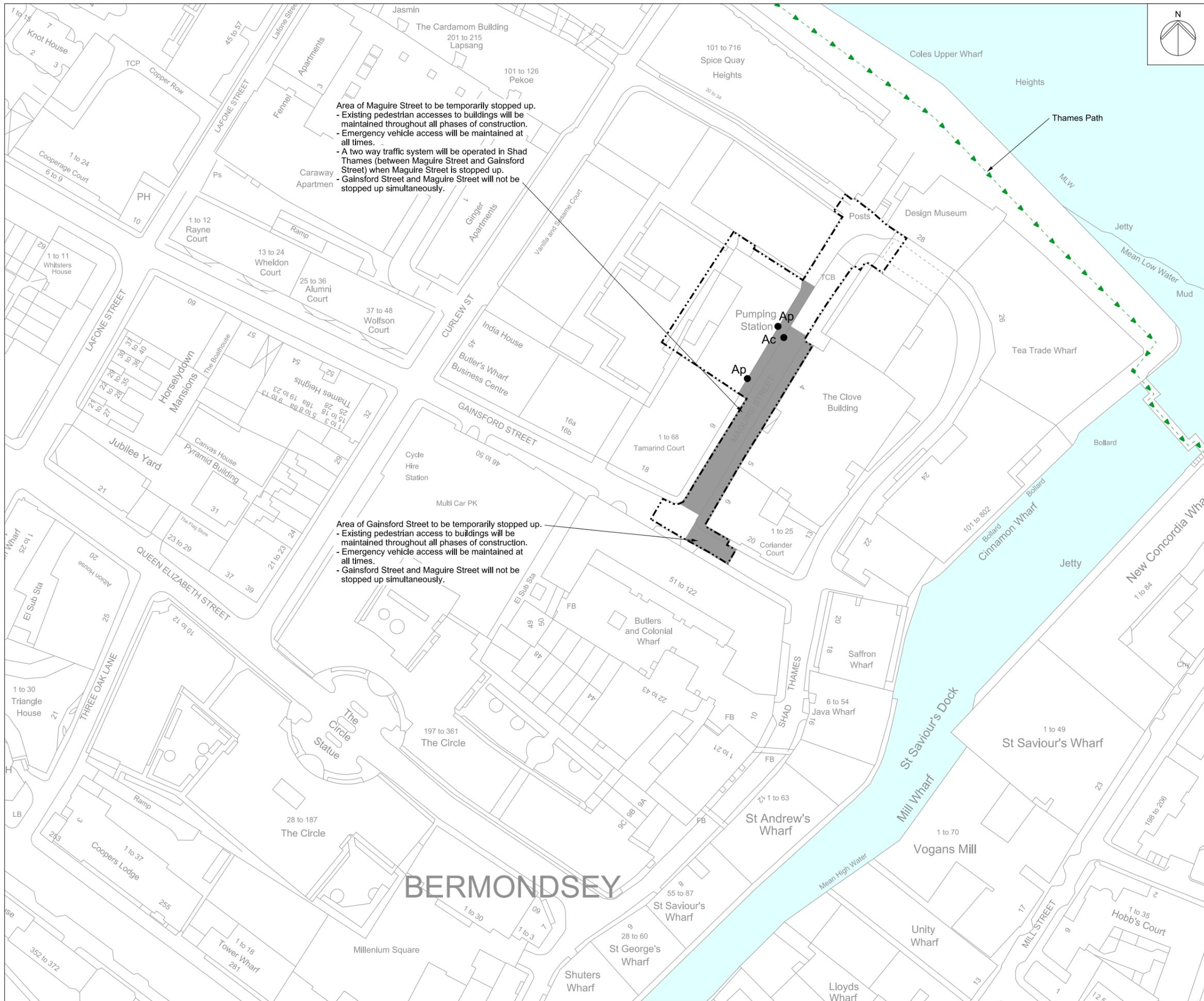
## FOR INFORMATION

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
 As existing  
 Roof plan  
 Book of plans - section 20  
 DCO-PP-18X-SHTPS-200002  
 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.





Area of Maguire Street to be temporarily stopped up.

- Existing pedestrian accesses to buildings will be maintained throughout all phases of construction.
- Emergency vehicle access will be maintained at all times.
- A two way traffic system will be operated in Shad Thames (between Maguire Street and Gainsford Street) when Maguire Street is stopped up.
- Gainsford Street and Maguire Street will not be stopped up simultaneously.

Area of Gainsford Street to be temporarily stopped up.

- Existing pedestrian access to buildings will be maintained throughout all phases of construction.
- Emergency vehicle access will be maintained at all times.
- Gainsford Street and Maguire Street will not be stopped up simultaneously.

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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
  - Area of highway to be temporarily stopped up
  - Ap** ● Access to permanent works
  - Ac** ● Access to construction works

- 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.



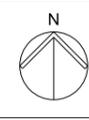
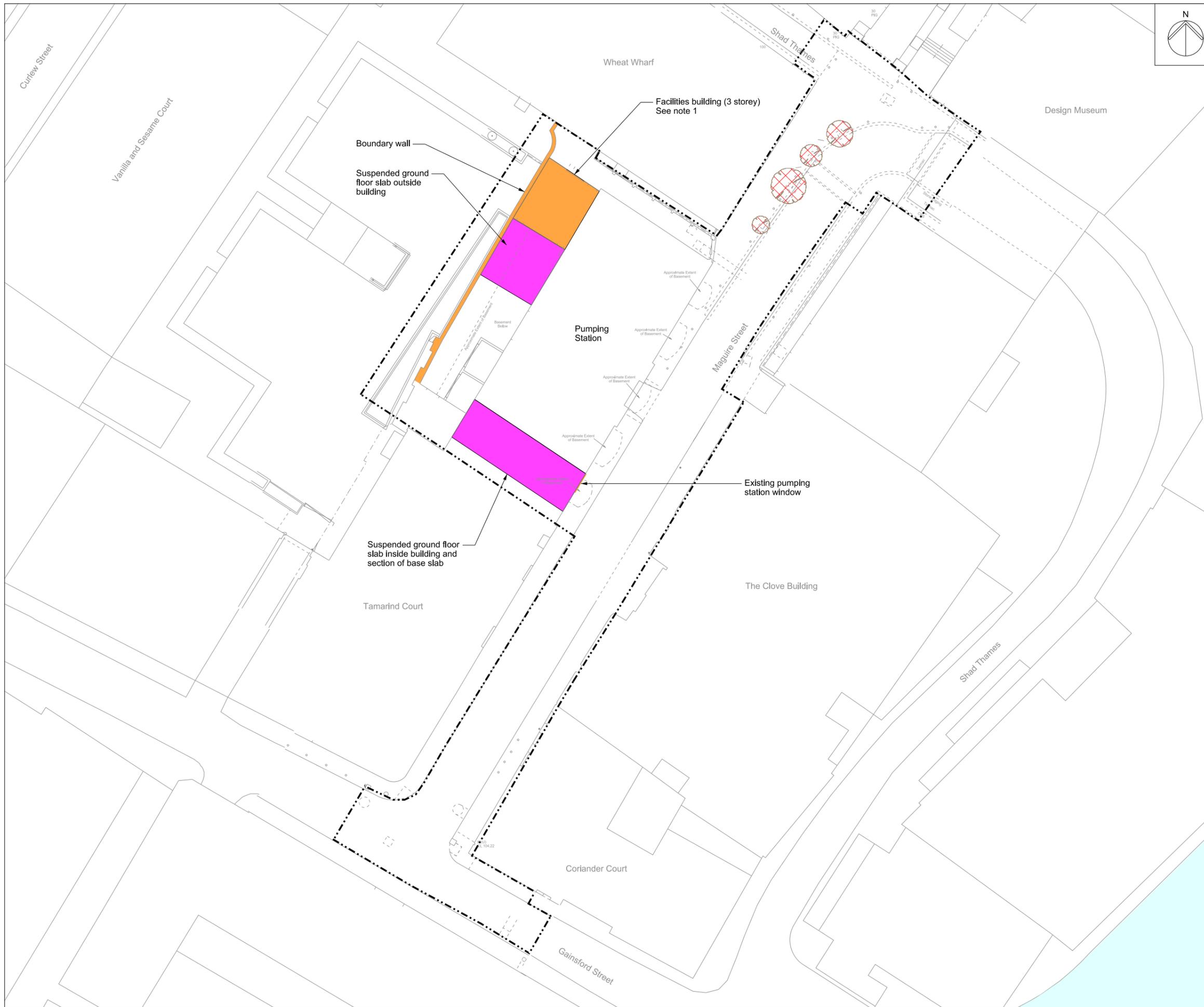
**FOR APPROVAL**

**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

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

Book of plans - section 20  
DCO-PP-18X-SHTPS-200003  
January 2013





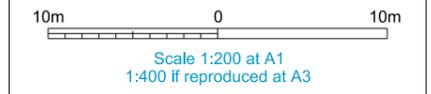
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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

- Notes:**
1. Demolition of facilities building to include breaking out of suspended base slab.
  2. Minor items to be removed (e.g. barriers, bollards etc.) are not shown.
  3. General activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.



**FOR APPROVAL**

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

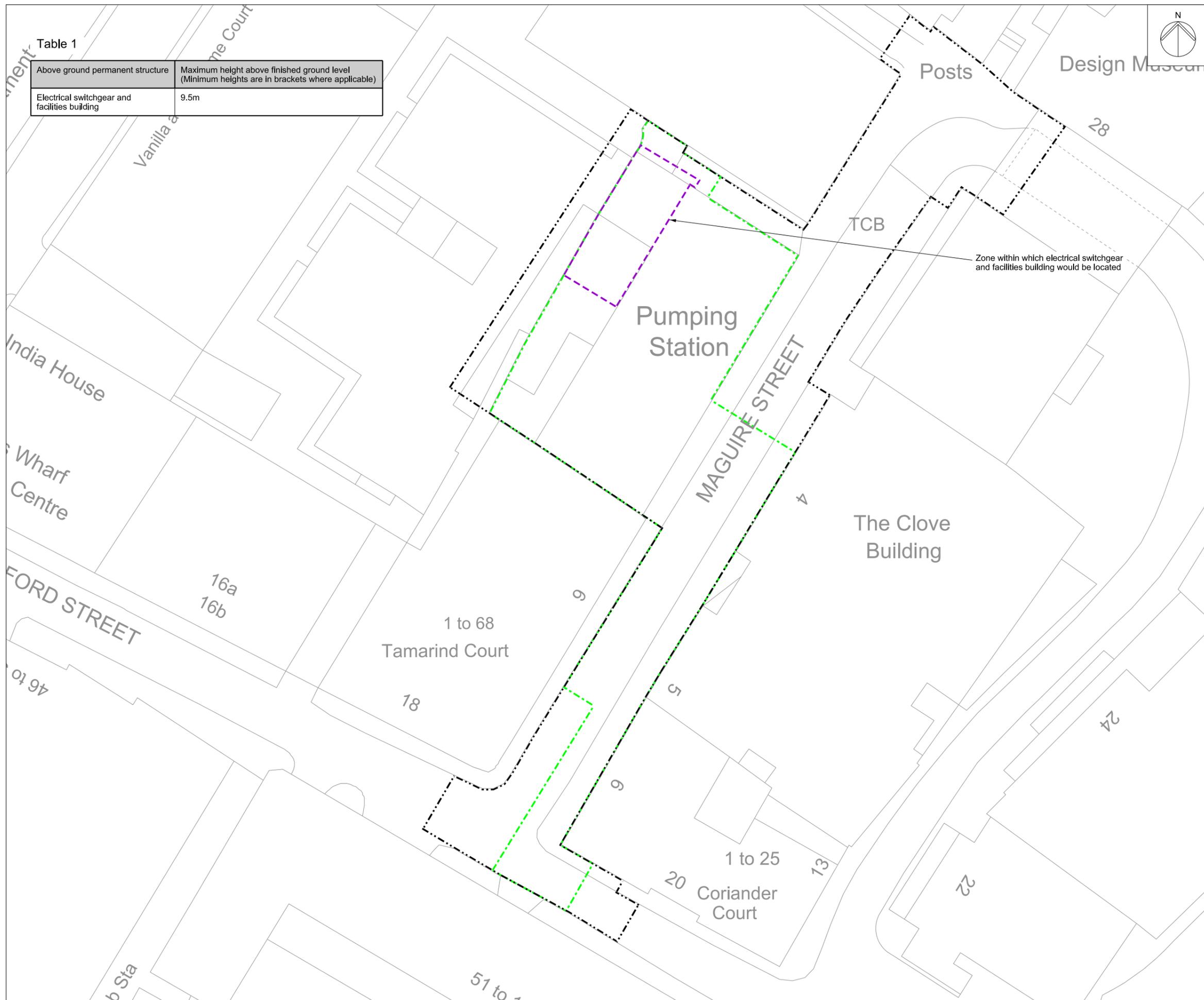
**Document Information**  
**Application for Development Consent**  
 Demolition and site clearance

Book of plans - section 20  
 DCO-PP-18X-SHTPS-200004  
 January 2013

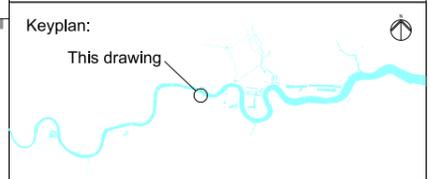


Table 1

Above ground permanent structure	Maximum height above finished ground level (Minimum heights are in brackets where applicable)
Electrical switchgear and facilities building	9.5m



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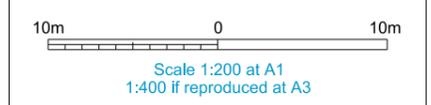


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- Limits of land to be acquired or used (LLAU)
  - Zone within which all permanent site structures would be located
  - Zone within which permanent above ground structures would be located (those listed in Table 1)

**Notes:**

- All dimensions and levels are approximate.



**FOR APPROVAL**

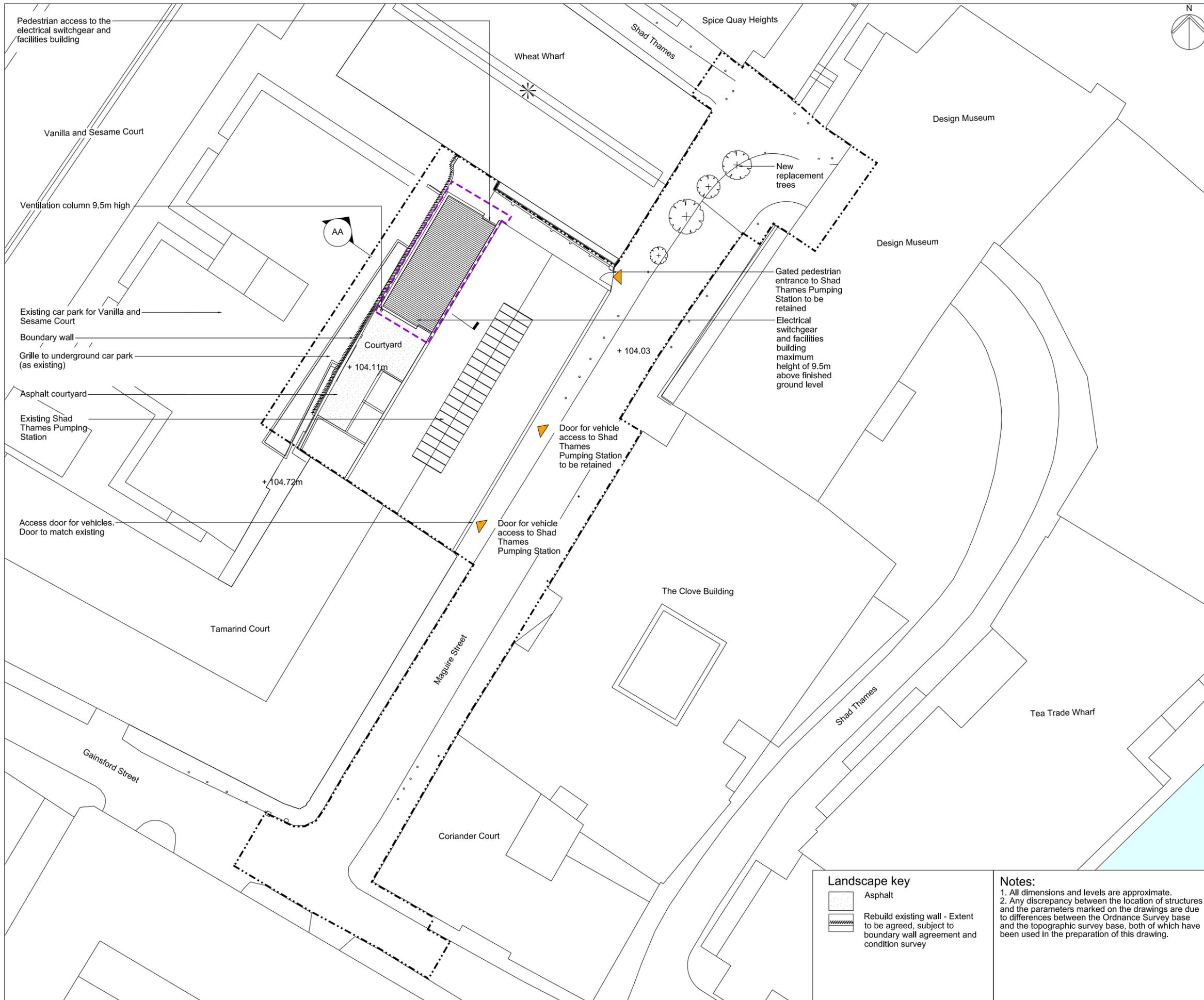
**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

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

Book of plans - section 20  
 DCO-PP-18X-SHTPS-200005  
 January 2013





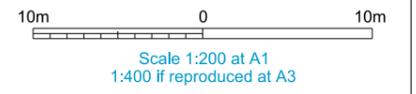


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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Zone within which permanent above ground structures would be located
  - + 105.40m Existing levels (shown in metres above tunnel datum)
  - Listed buildings/structures
  - Proposed trees
  - Thames Water access



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**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

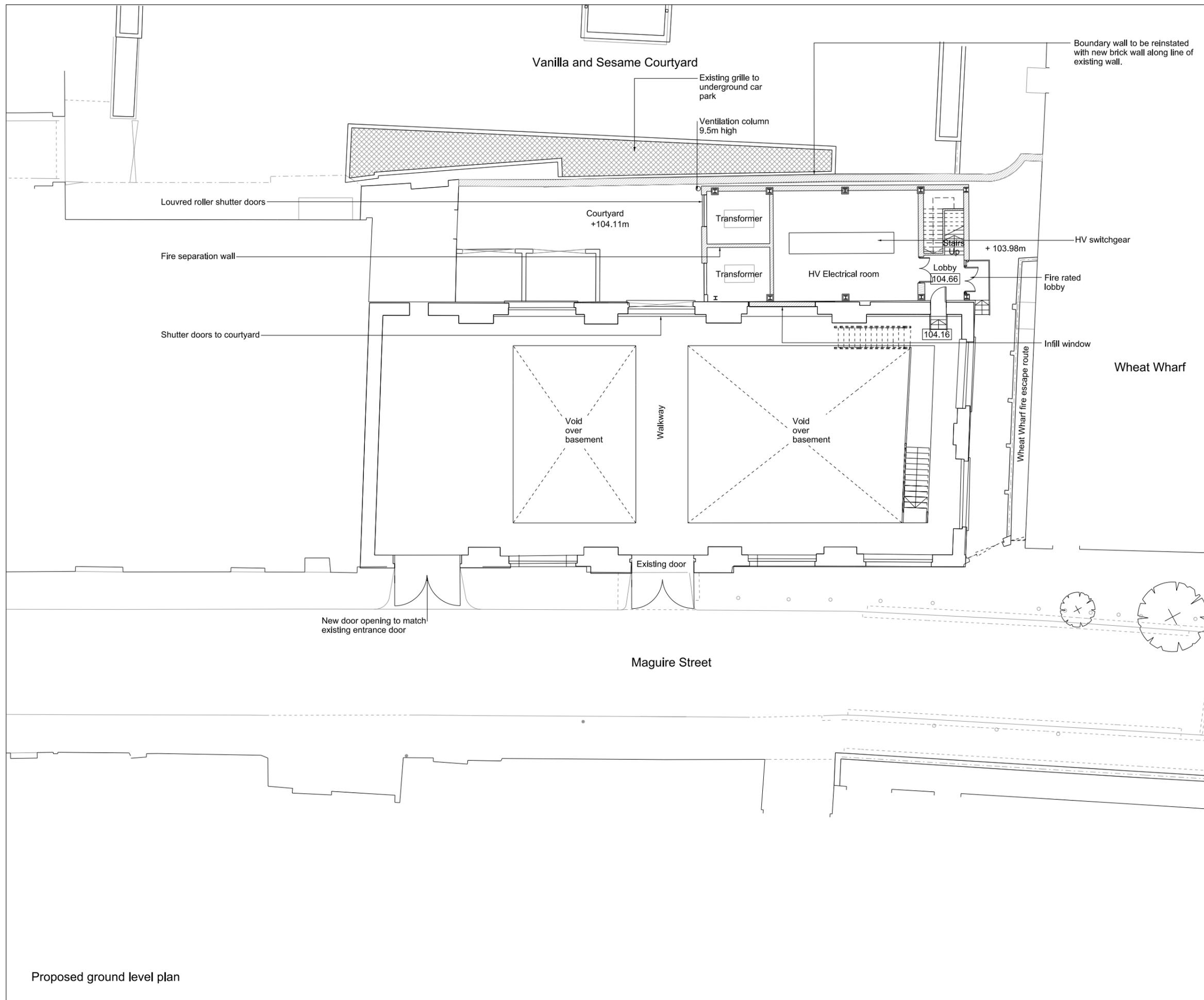
**Document Information**  
**Application for Development Consent**  
Proposed  
Roof plan  
Book of plans - section 20  
DCO-PP-18X-SHTPS-200007  
January 2013

- Landscape key**
- Asphalt
  - Rebuild existing wall - Extent to be agreed, subject to boundary wall agreement and condition survey

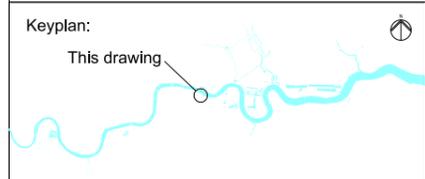
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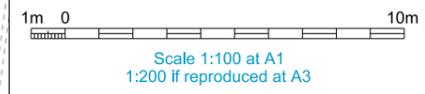


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- + 105.40m Existing levels (shown in metres above tunnel datum)
  - 105.40 Proposed levels (shown in metres above tunnel datum)
  - (Symbol with cross) Proposed trees
  - (Symbol with diagonal lines) New Structure



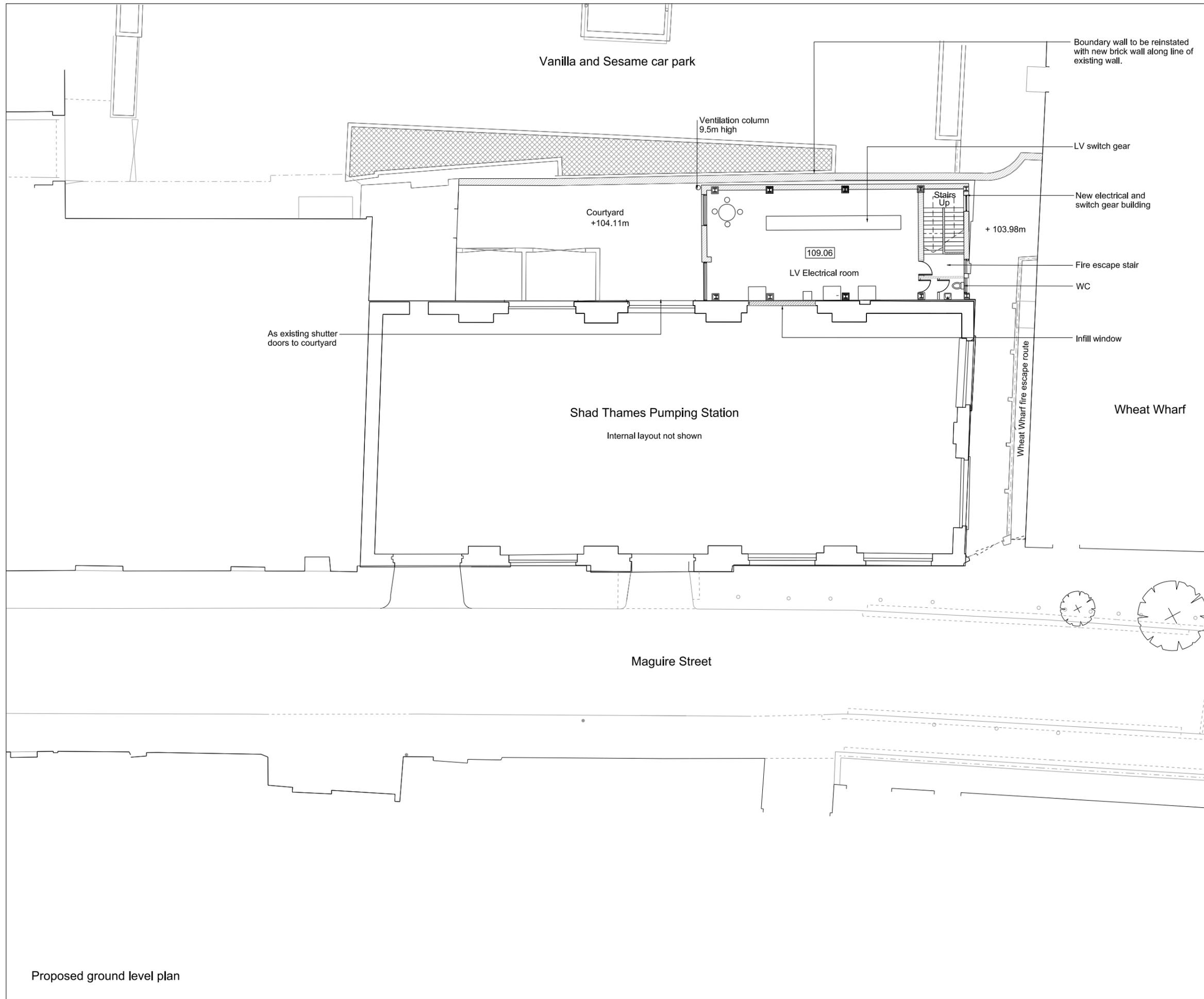
**FOR INFORMATION**

**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
Building ground floor  
Layout plan  
Book of plans - section 20  
DCO-PP-18X-SHTPS-200008  
January 2013



Proposed ground level plan

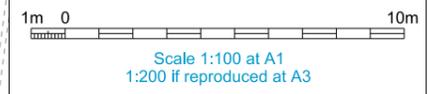


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:**
- + 105.40m Existing levels (shown in metres above tunnel datum)
  - 105.40 Proposed levels (shown in metres above tunnel datum)
  - Proposed trees
  - New Structure



**FOR INFORMATION**

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
 Building first floor  
 Layout plan  
 Book of plans - section 20  
 DCO-PP-18X-SHTPS-200009  
 January 2013



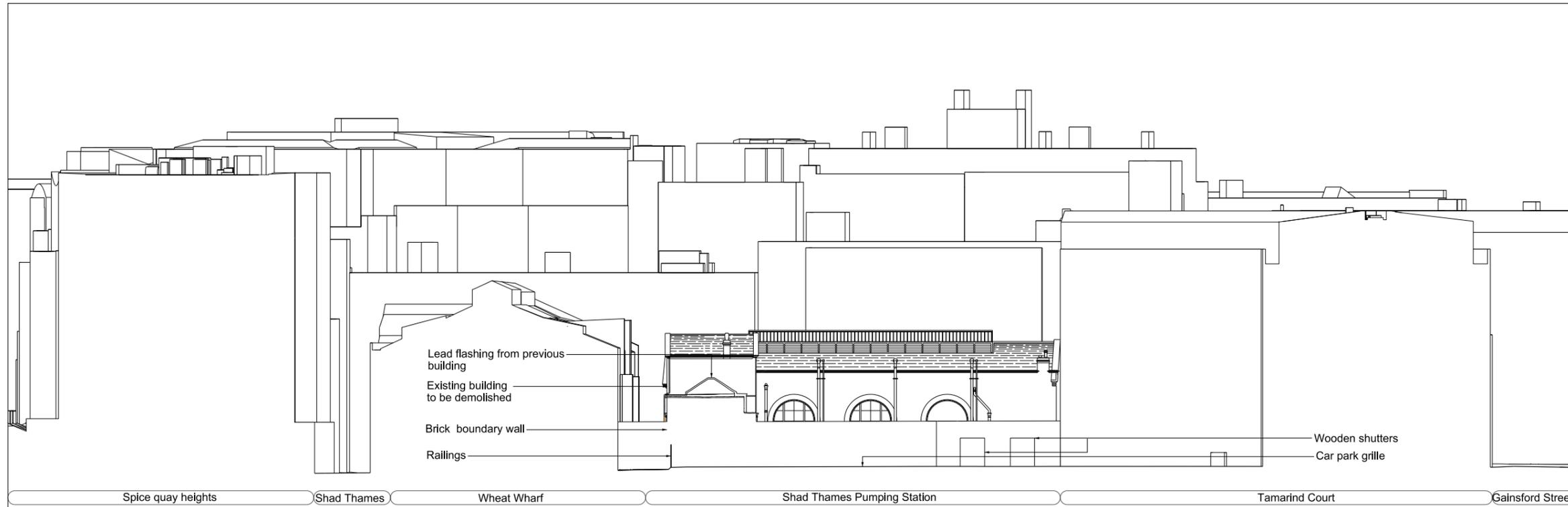
Proposed ground level plan

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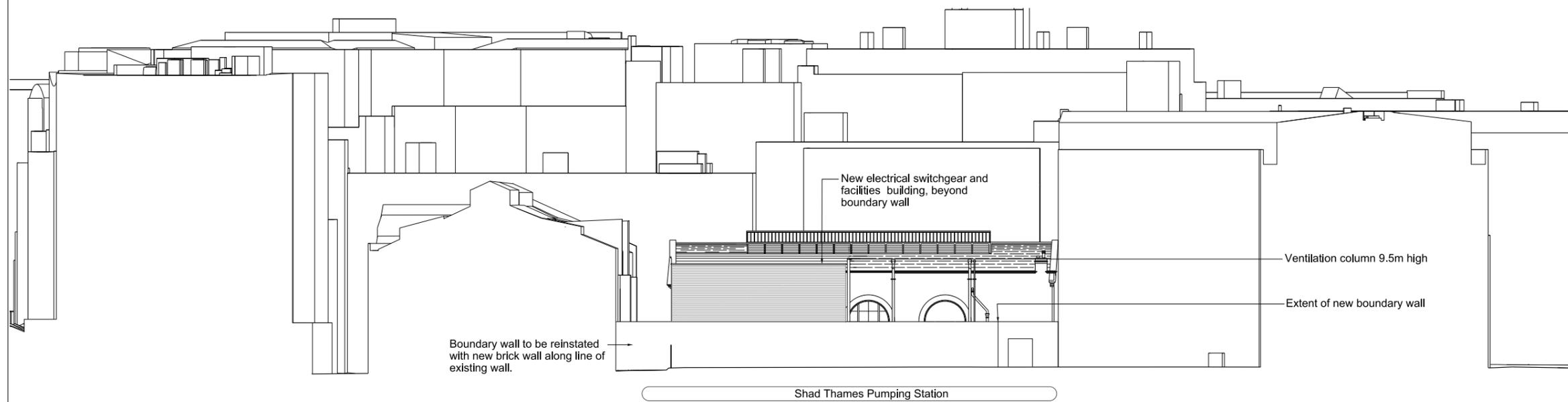


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

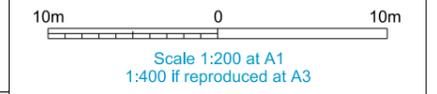
Notes:  
1. All dimensions and levels are approximate.



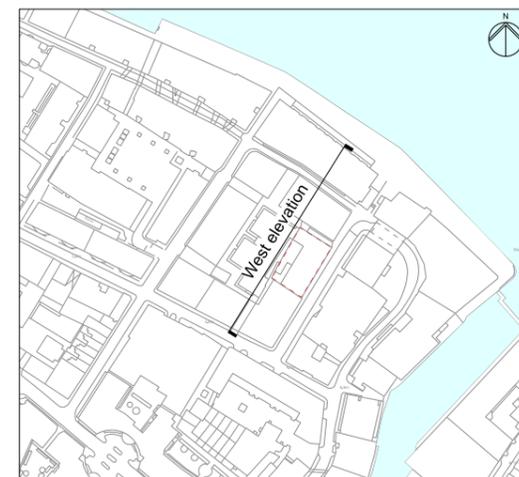
As existing West elevation



Proposed West elevation



**INDICATIVE**



**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
As existing and proposed  
West elevation  
Book of plans - section 20  
DCO-PP-18X-SHTPS-200010  
January 2013



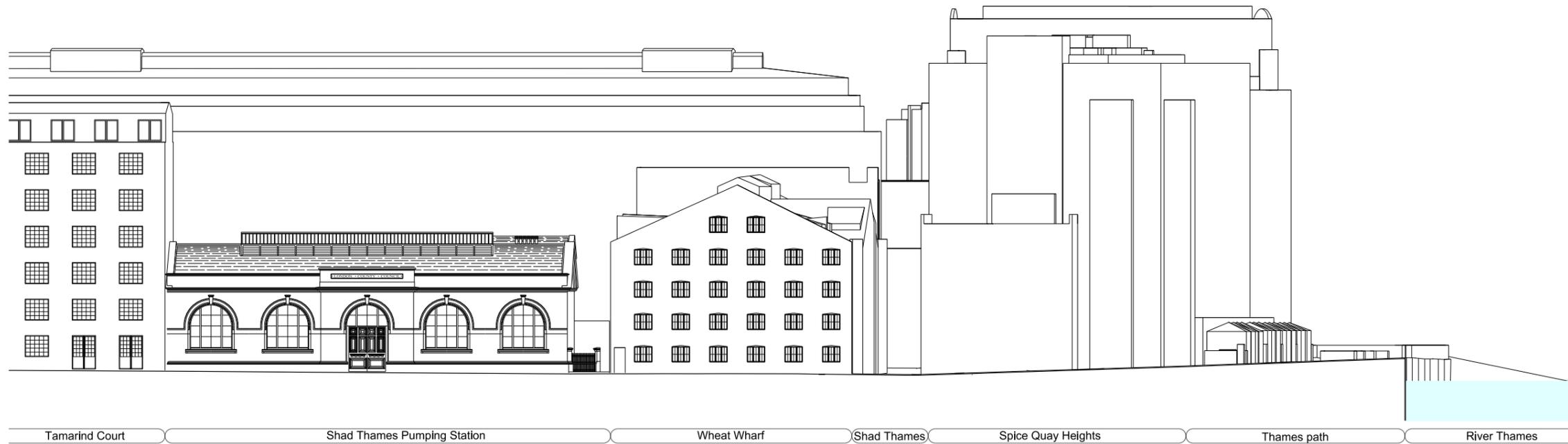
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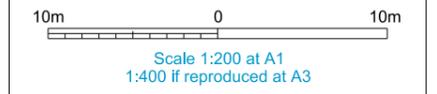
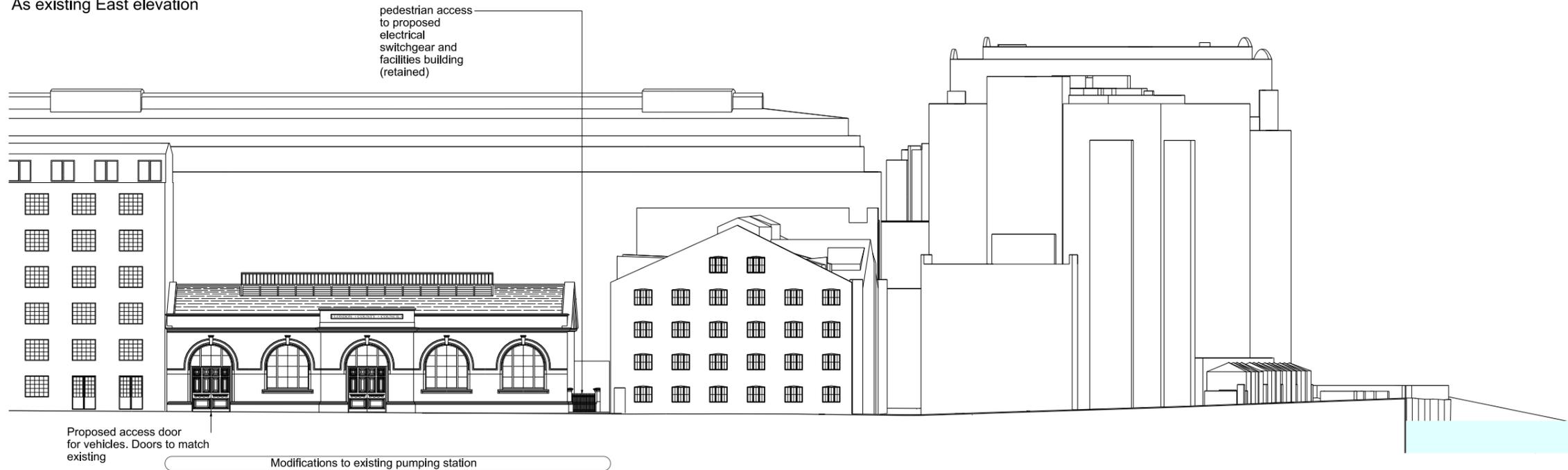
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Notes:

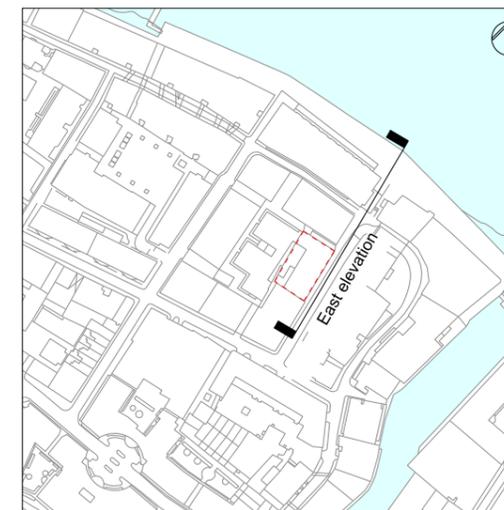
1. All dimensions and levels are approximate.



As existing East elevation



Proposed East elevation



**INDICATIVE**

**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
As existing and proposed  
East elevation  
Book of plans - section 20  
DCO-PP-18X-SHTPS-200011  
January 2013

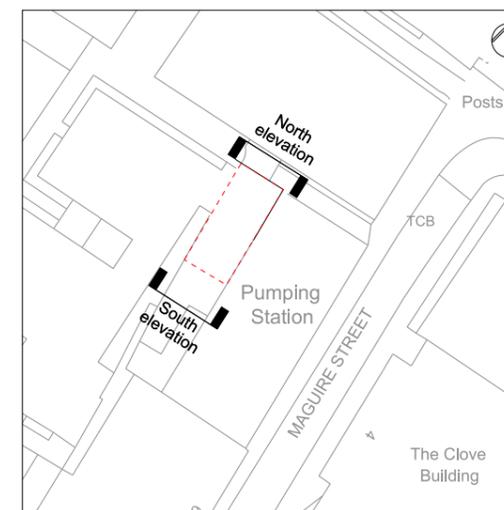
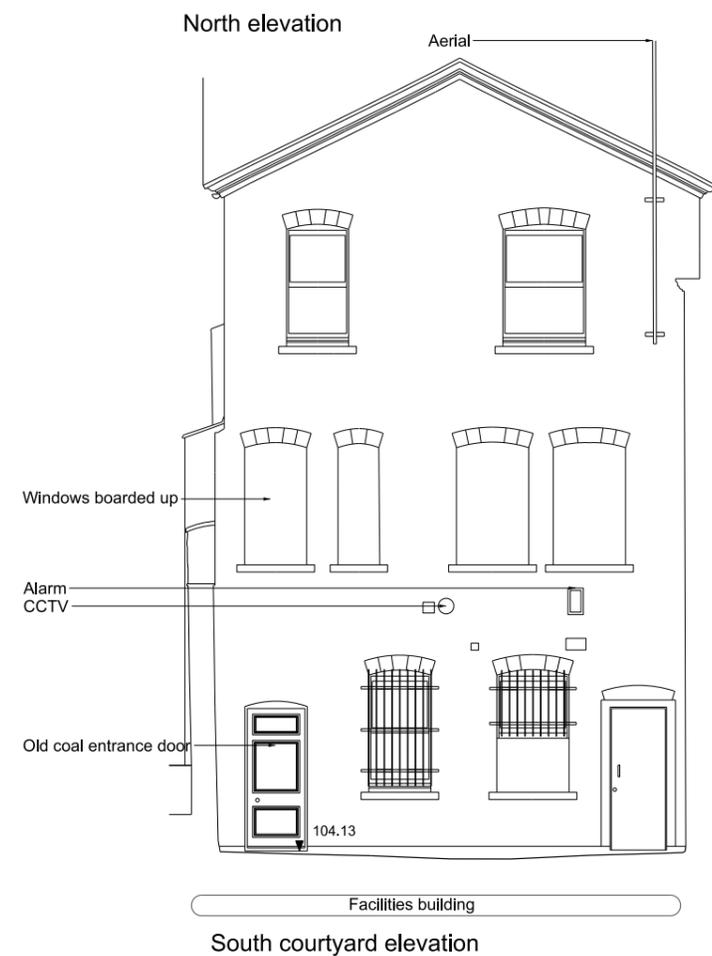


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Note  
This drawing has been based on survey information and does not show details beyond.



## FOR INFORMATION

**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

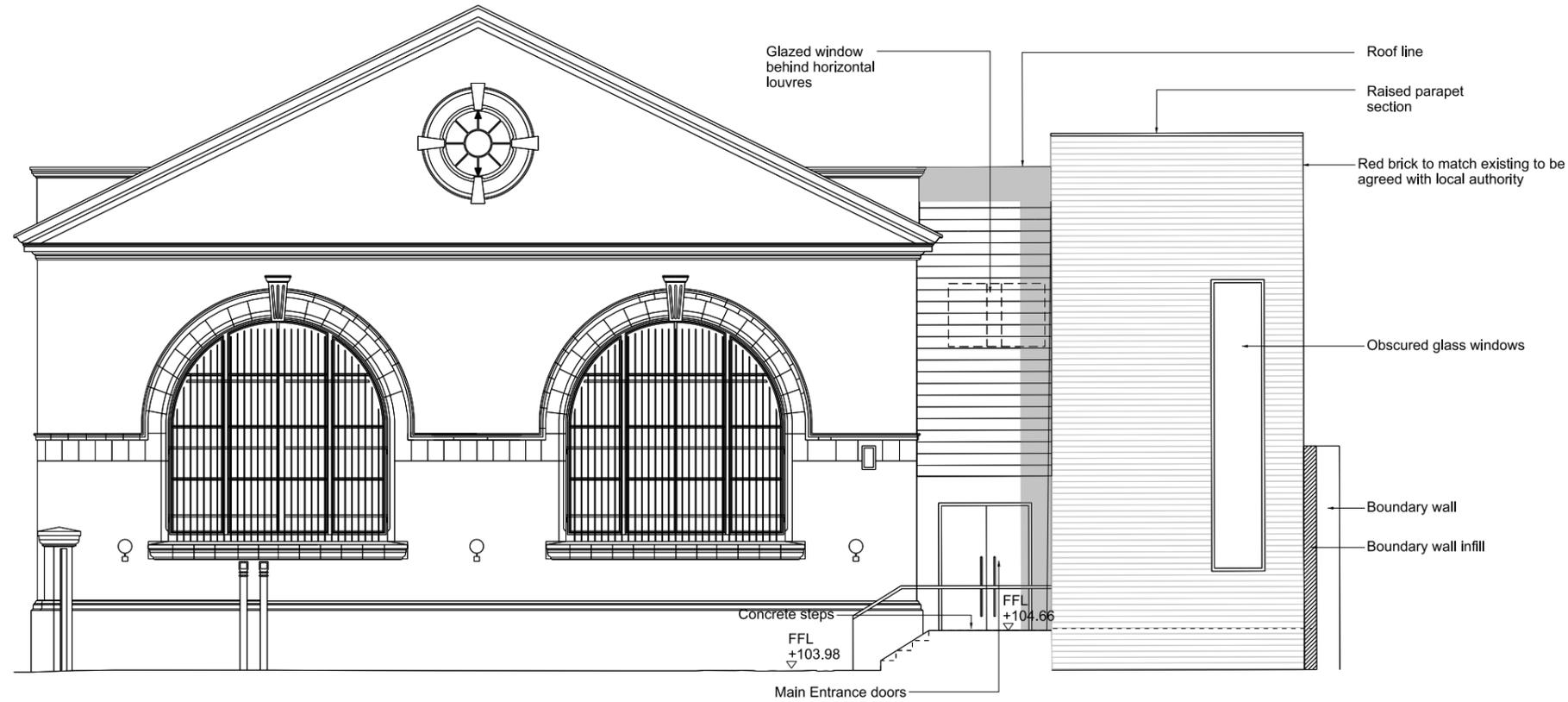
**Document Information**  
**Application for Development Consent**  
As existing  
North and south elevations  
Book of plans - section 20  
DCO-PP-18X-SHTPS-200012  
January 2013



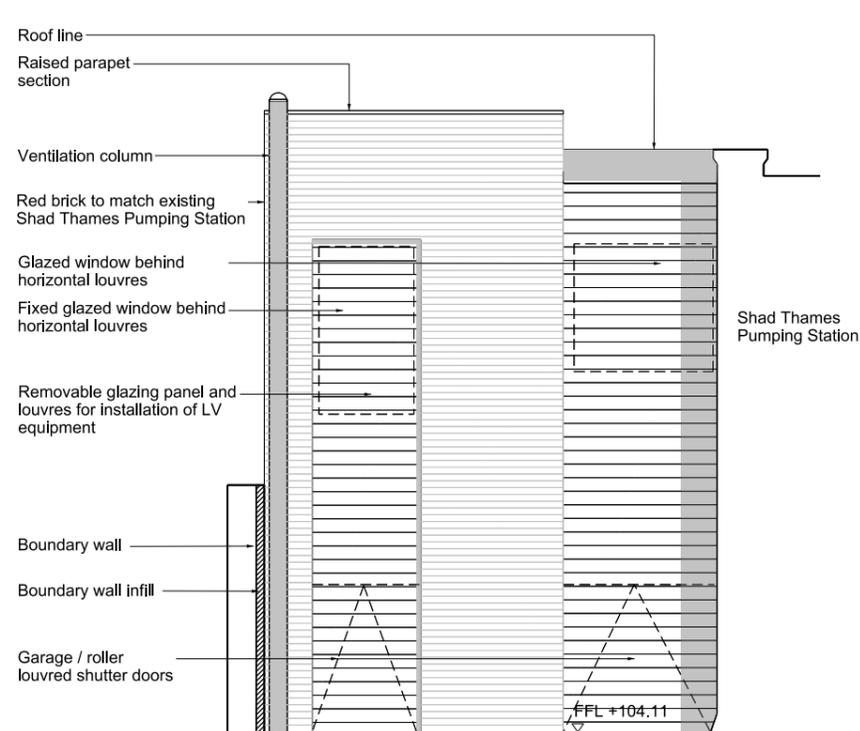
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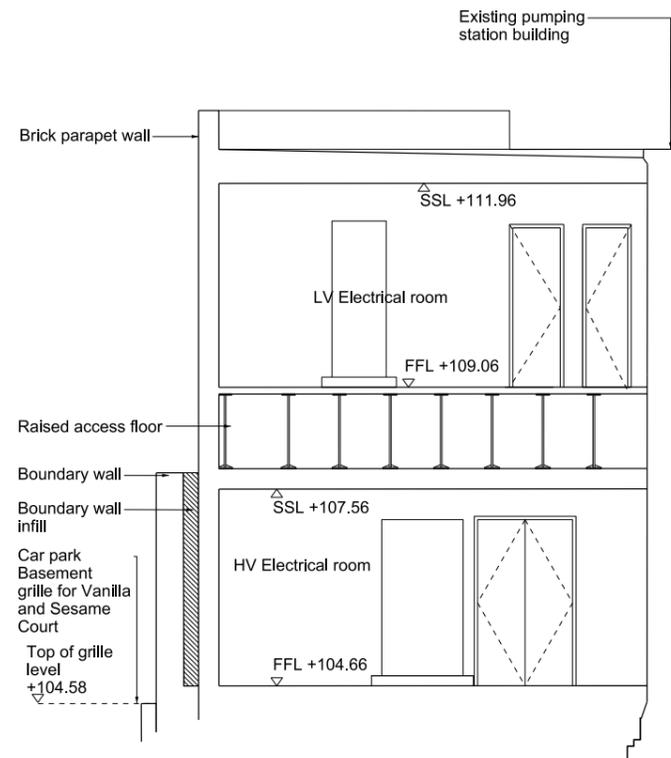
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.



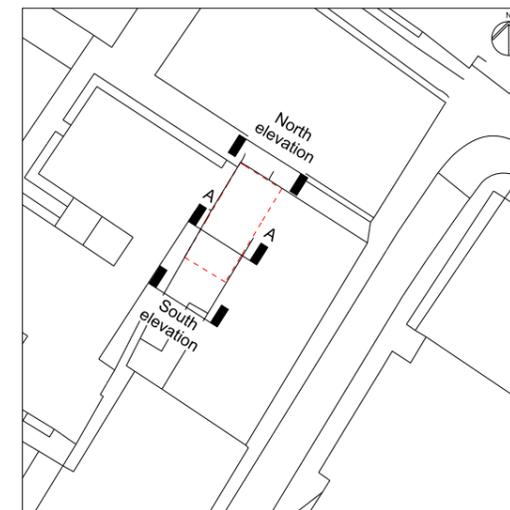
Proposed north elevation



Proposed south elevation



Section AA

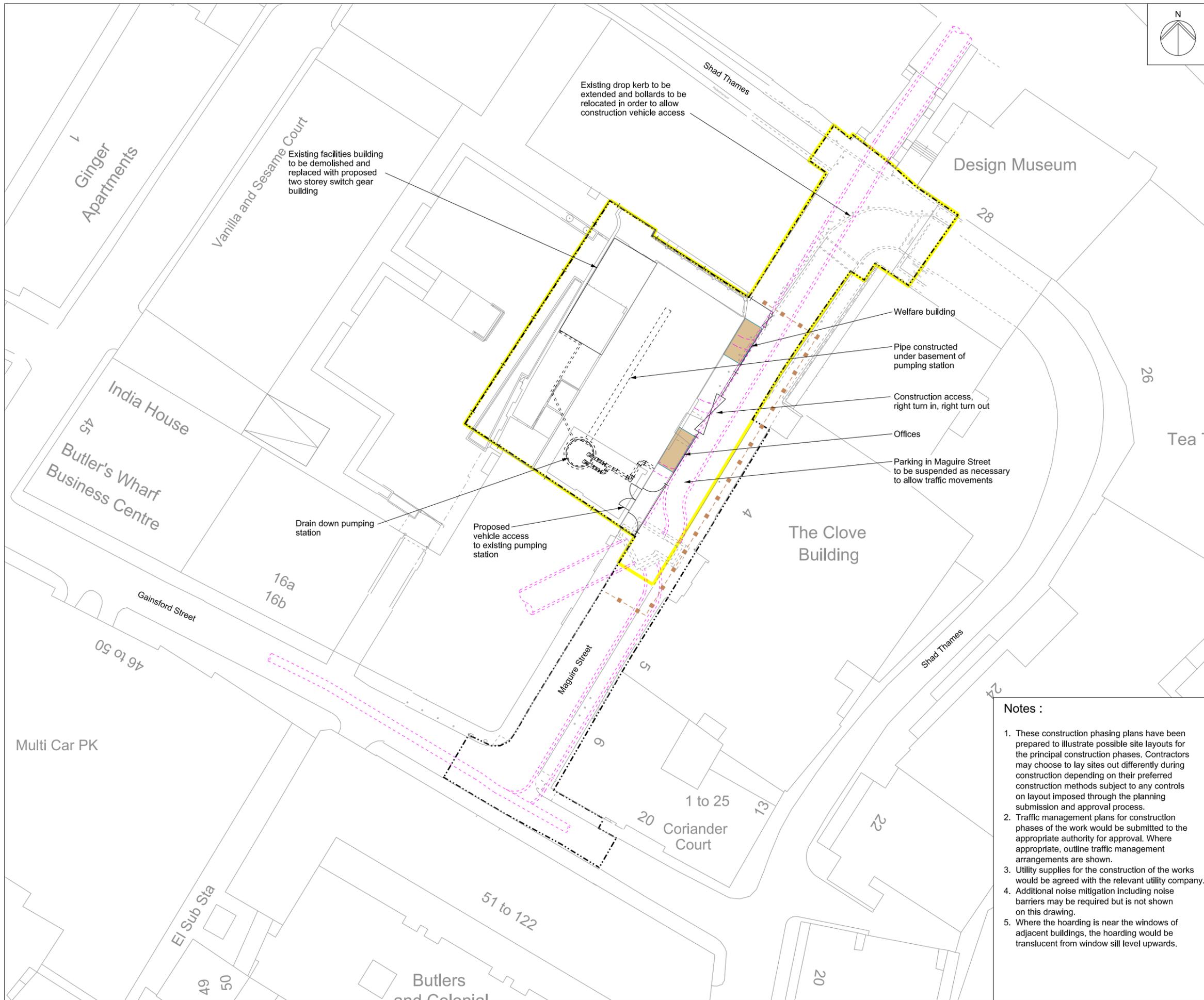


## FOR INFORMATION

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
 Proposed north and south elevations and Section AA  
 Book of plans - section 20  
 DCO-PP-18X-SHTPS-200013  
 January 2013



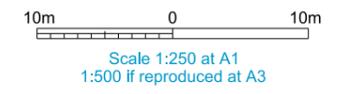


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:
- Limits of land to be acquired or used (LLAU)
  - Hoarding
  - Maximum extent of working area
  - Route of temporary diversion of footway
  - Site access
  - Existing sewers



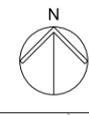
- Notes :
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed 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. Where the hoarding is near the windows of adjacent buildings, the hoarding would be translucent from window sill level upwards.

## ILLUSTRATIVE

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
 Construction phases - phase 1  
 Pumping station modification works  
 Book of plans - section 20  
 DCO-PP-18X-SHTPS-200014  
 January 2013



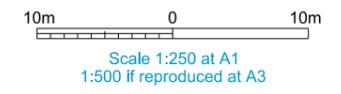


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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key:
- Limits of land to be acquired or used (LLAU)
  - Hoarding
  - Maximum extent of working area
  - Route of temporary diversion of footway
  - Site access
  - Existing sewers



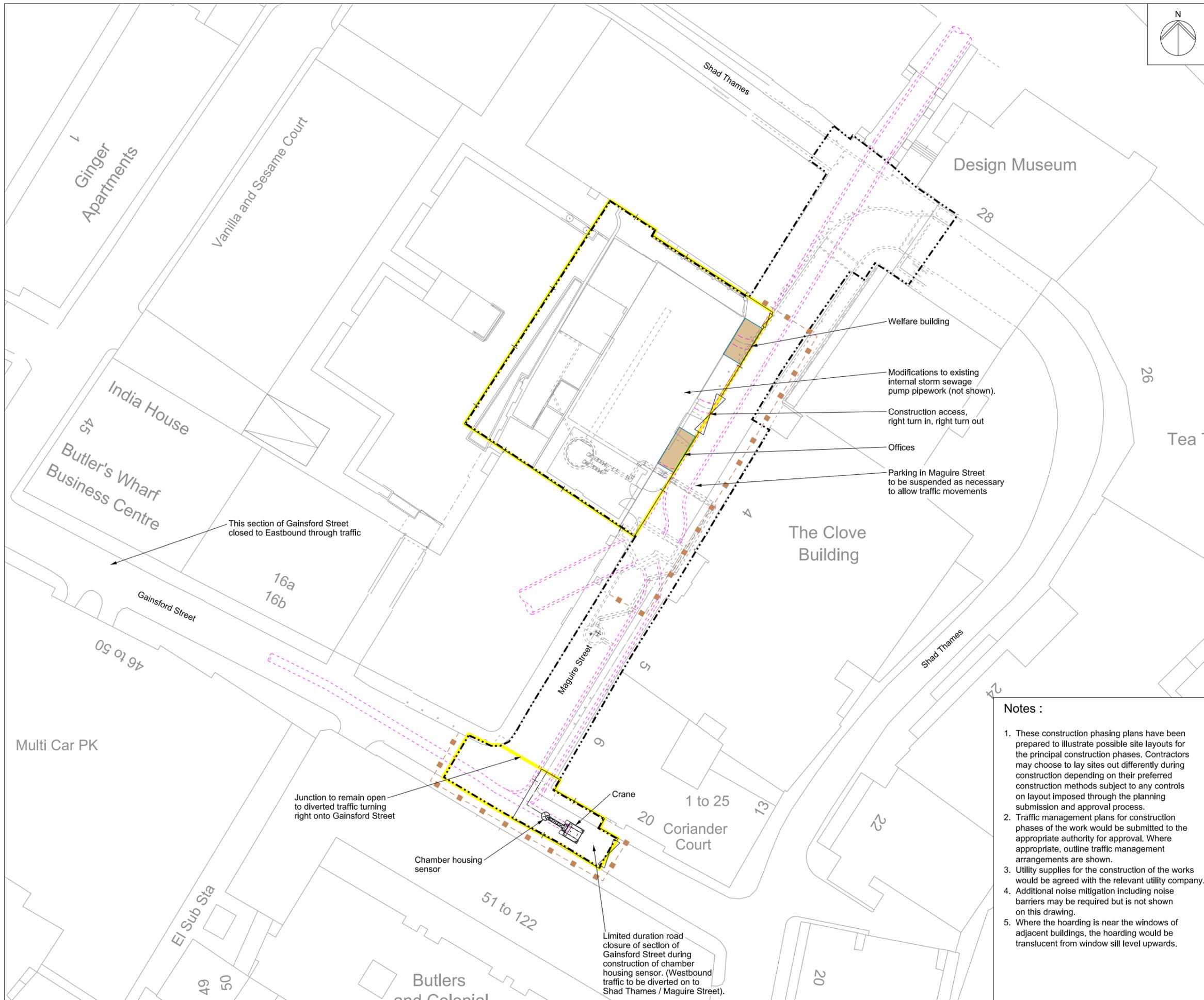
- Notes :
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed 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. 1 no. footway in Maguire Street to remain open at all stages and pedestrian access to existing building entrances to be managed by contractor.
  6. Where the hoarding is near the windows of adjacent buildings, the hoarding would be translucent from window sill level upwards.

## ILLUSTRATIVE

**Location**  
**Shad Thames Pumping Station**  
 London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
 Construction phases - phase 2  
 Pumping station modification works  
 Book of plans - section 20  
 DCO-PP-18X-SHTPS-200015  
 January 2013



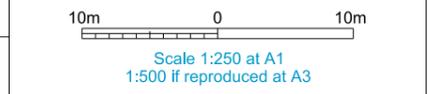


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Keyplan:  
This drawing

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
  - - - Route of temporary diversion of footway
  - ⊘ Site access
  - - - Existing sewers



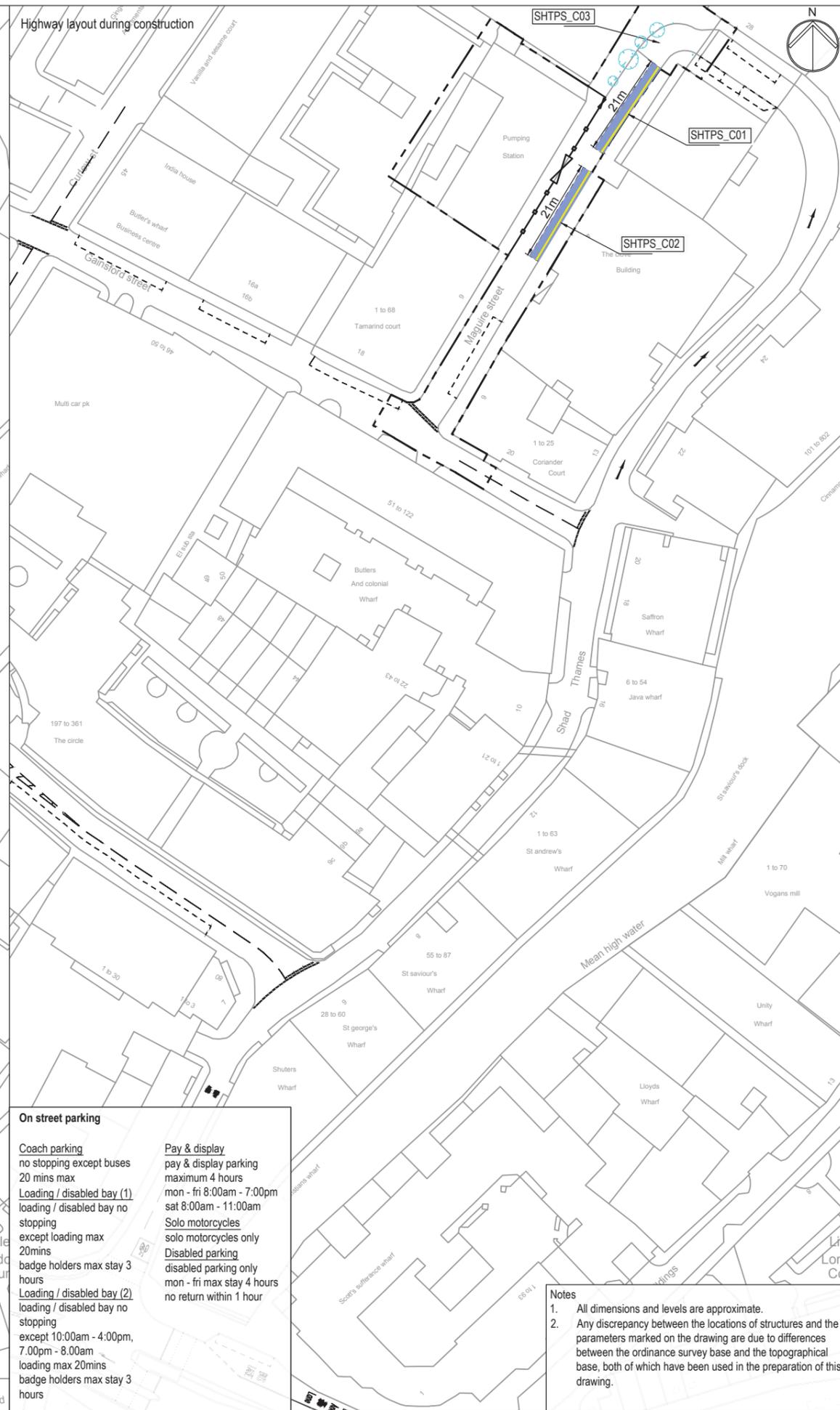
- Notes :**
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed 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. Where the hoarding is near the windows of adjacent buildings, the hoarding would be translucent from window sill level upwards.

**ILLUSTRATIVE**

**Location**  
Shad Thames Pumping Station  
London Borough of Southwark

**Document Information**  
Application for Development Consent  
Construction phases - phase 3  
Pumping station modification works  
Book of plans - section 20  
DCO-PP-18X-SHTPS-200016  
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.

**Key**

**Existing**

- On street parking
- Bus stop / stand
- Bus lane
- Pedestrian crossing
- Cycle lane / advance stop line
- Tree
- Bollards

**Revised**

- L.L.A.U.
- Removal of footway
- Footway extension
- Temporary restriction to on street parking
- Illustrative on-site manoeuvring zone

**SHTPS C01**

- See schedule of works
- Hoarding line
- Site access
- Remove tree
- Remove bollards

**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 for the use of tactile paving, DfT, 1998
- Accessible bus stop design guidance, TfL, 2006

**Stage**

Construction phase

10m 0 40m

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

**ILLUSTRATIVE**

**Location**

Shad Thames  
London Borough of Southwark

**Document Information**

Application for Development Consent  
Highway layout during construction - Phase 1

DCO-PP-18X-SHTPS-200022  
January 2013

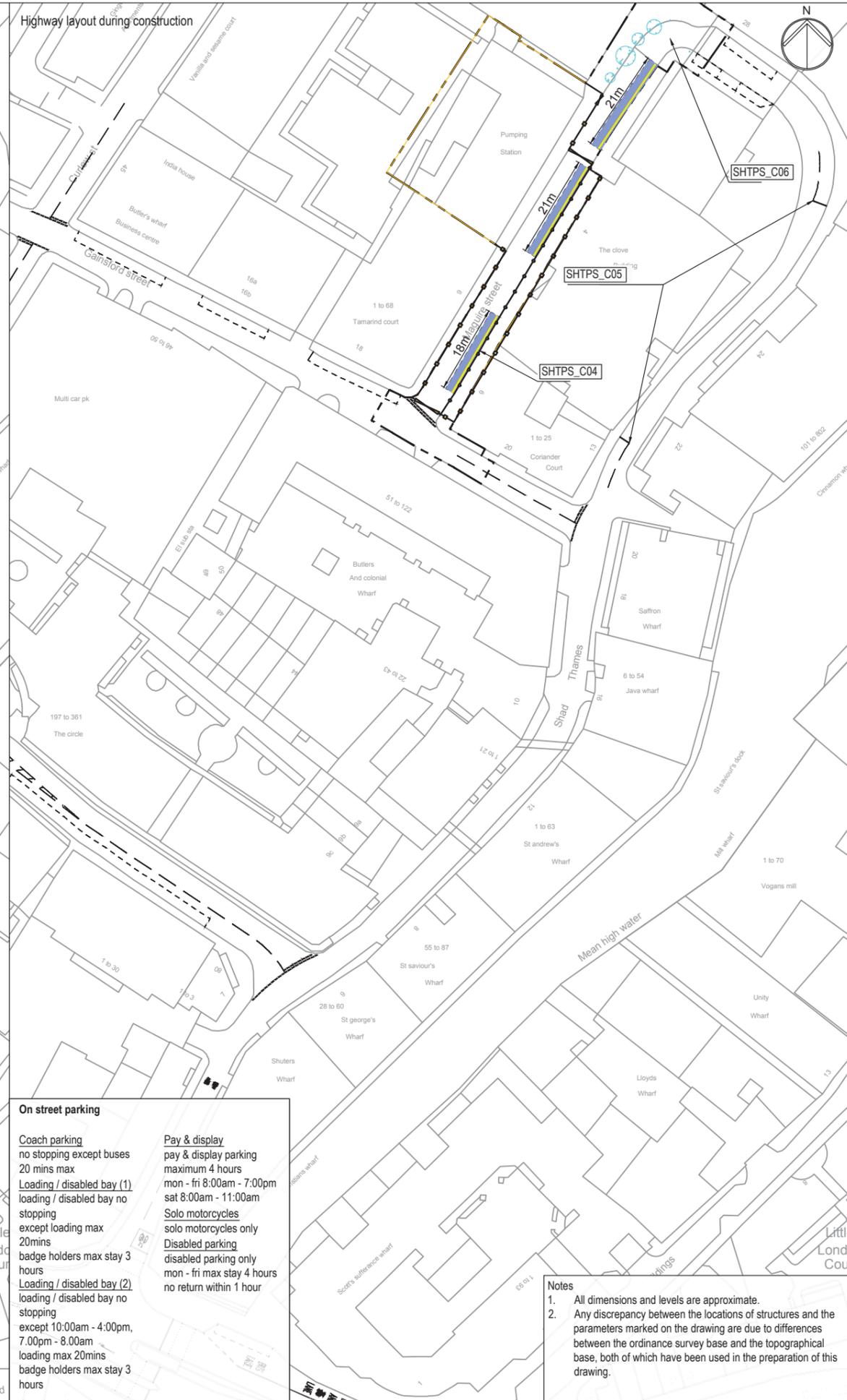
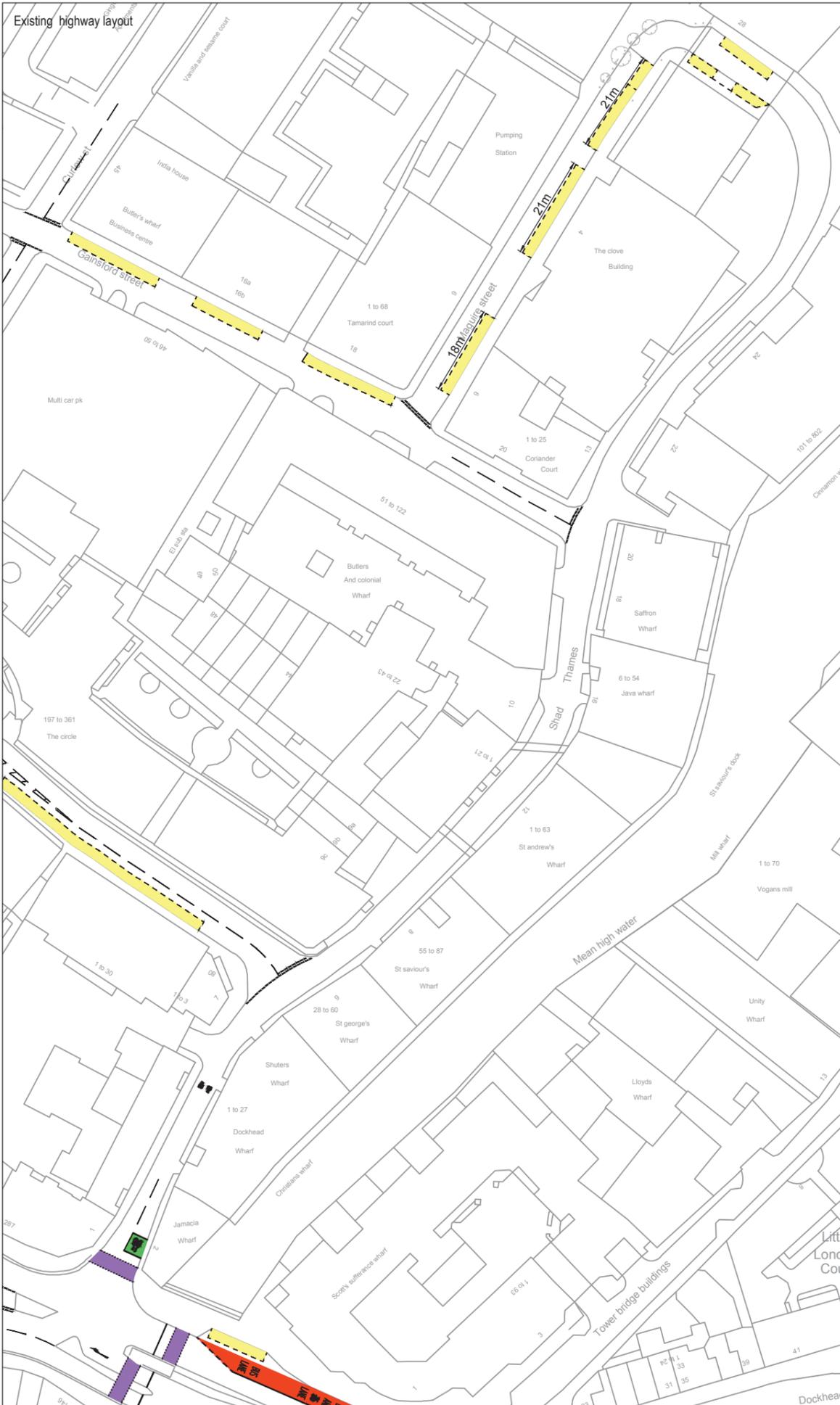
**Notes**

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

**On street parking**

**Coach parking**  
no stopping except buses  
20 mins max  
Loading / disabled bay (1)  
loading / disabled bay no stopping  
except loading max 20mins  
badge holders max stay 3 hours  
Loading / disabled bay (2)  
loading / disabled bay no stopping  
except 10:00am - 4:00pm,  
7:00pm - 8:00am  
loading max 20mins  
badge holders max stay 3 hours

**Pay & display**  
pay & display parking  
maximum 4 hours  
mon - fri 8:00am - 7:00pm  
sat 8:00am - 11:00am  
Solo motorcycles  
solo motorcycles only  
Disabled parking  
disabled parking only  
mon - fri max stay 4 hours  
no return within 1 hour



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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**

- On street parking
- Bus stop / stand
- Bus lane
- Pedestrian crossing
- Cycle lane / advance stop line
- Tree
- Bollards

**Revised**

- L.L.A.U.
- Removal of footway
- Footway extension
- Temporary restriction to on street parking
- Illustrative on-site manoeuvring zone

**SHTPS C00**

- See schedule of works
- Hoarding line
- Site access
- Remove tree
- Remove bollards

**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 for the use of tactile paving, DfT, 1998
- Accessible bus stop design guidance, TfL, 2006

**Stage**

Construction phase

10m 0 40m

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

**ILLUSTRATIVE**

**Location**

Shad Thames  
London Borough of Southwark

**Document Information**

Application for Development Consent  
Highway layout during construction - Phase 2

DCO-PP-18X-SHTPS-200023  
January 2013

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

**Thames Water**

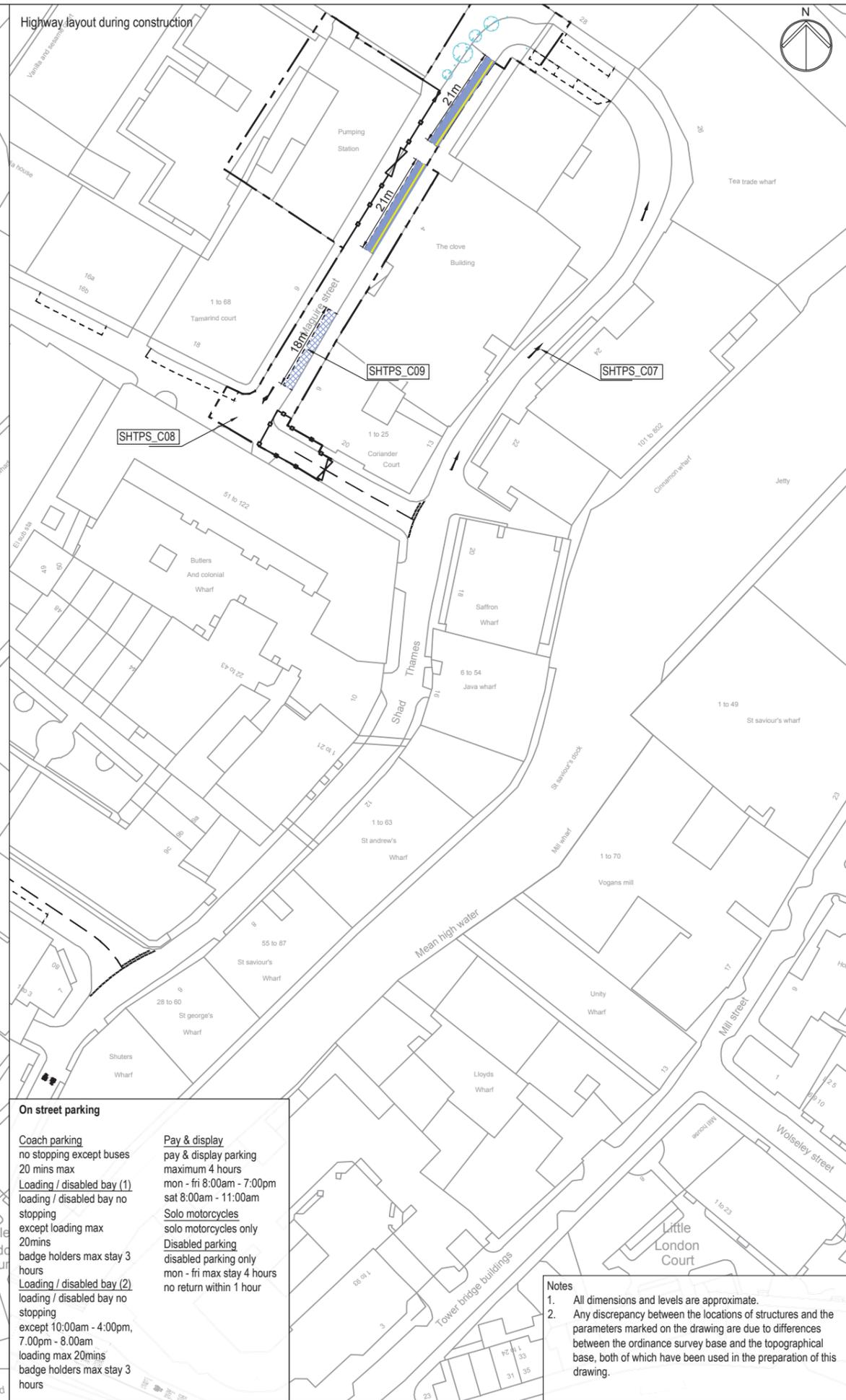
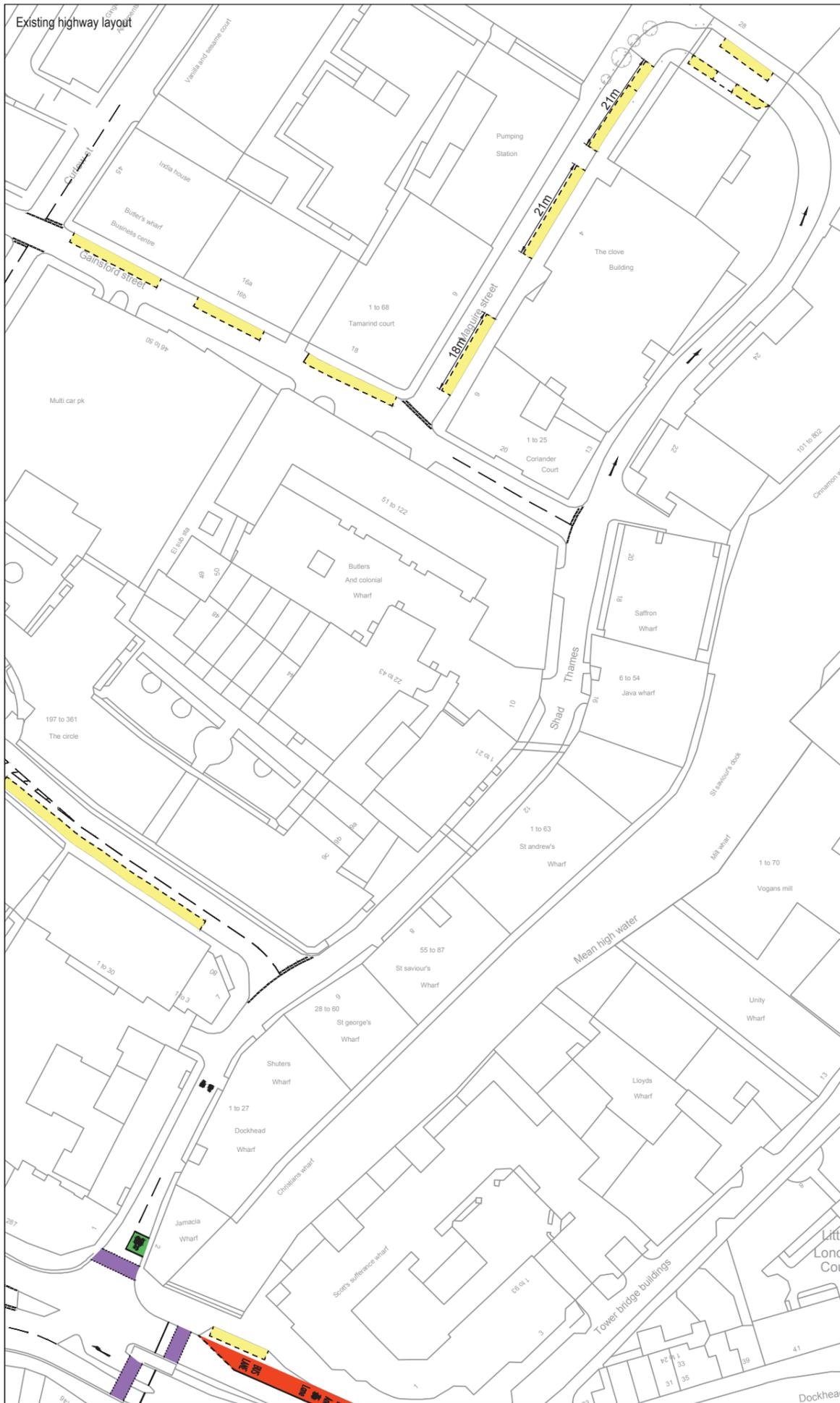
**On street parking**

**Coach parking**  
no stopping except buses  
20 mins max  
Loading / disabled bay (1)  
loading / disabled bay no  
stopping  
except loading max  
20mins  
badge holders max stay 3  
hours  
Loading / disabled bay (2)  
loading / disabled bay no  
stopping  
except 10:00am - 4:00pm,  
7:00pm - 8:00am  
loading max 20mins  
badge holders max stay 3  
hours

**Pay & display**  
pay & display parking  
maximum 4 hours  
mon - fri 8:00am - 7:00pm  
sat 8:00am - 11:00am  
Solo motorcycles  
solo motorcycles only  
Disabled parking  
disabled parking only  
mon - fri max stay 4 hours  
no return within 1 hour

**Notes**

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



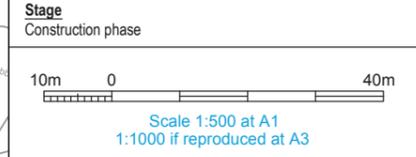
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key**
- Existing**
- On street parking
  - Bus stop / stand
  - Bus lane
  - Pedestrian crossing
  - Cycle lane / advance stop line
  - Tree
  - Bollards
- Revised**
- L.L.A.U.
  - Removal of footway
  - Footway extension
  - Temporary restriction to on street parking
  - Illustrative on-site manoeuvring zone
  - See schedule of works
  - SHTPS\_C09
  - SHTPS\_C07
  - SHTPS\_C08
  - Hoarding line
  - Site access
  - Remove tree
  - Remove bollards
  - Reinstated parking

- 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 for the use of tactile paving, DfT, 1998
  - Accessible bus stop design guidance, TfL, 2006



ILLUSTRATIVE

**Location**  
Shad Thames  
London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
Highway layout during construction - Phase 3

DCO-PP-18X-SHTPS-200024  
January 2013



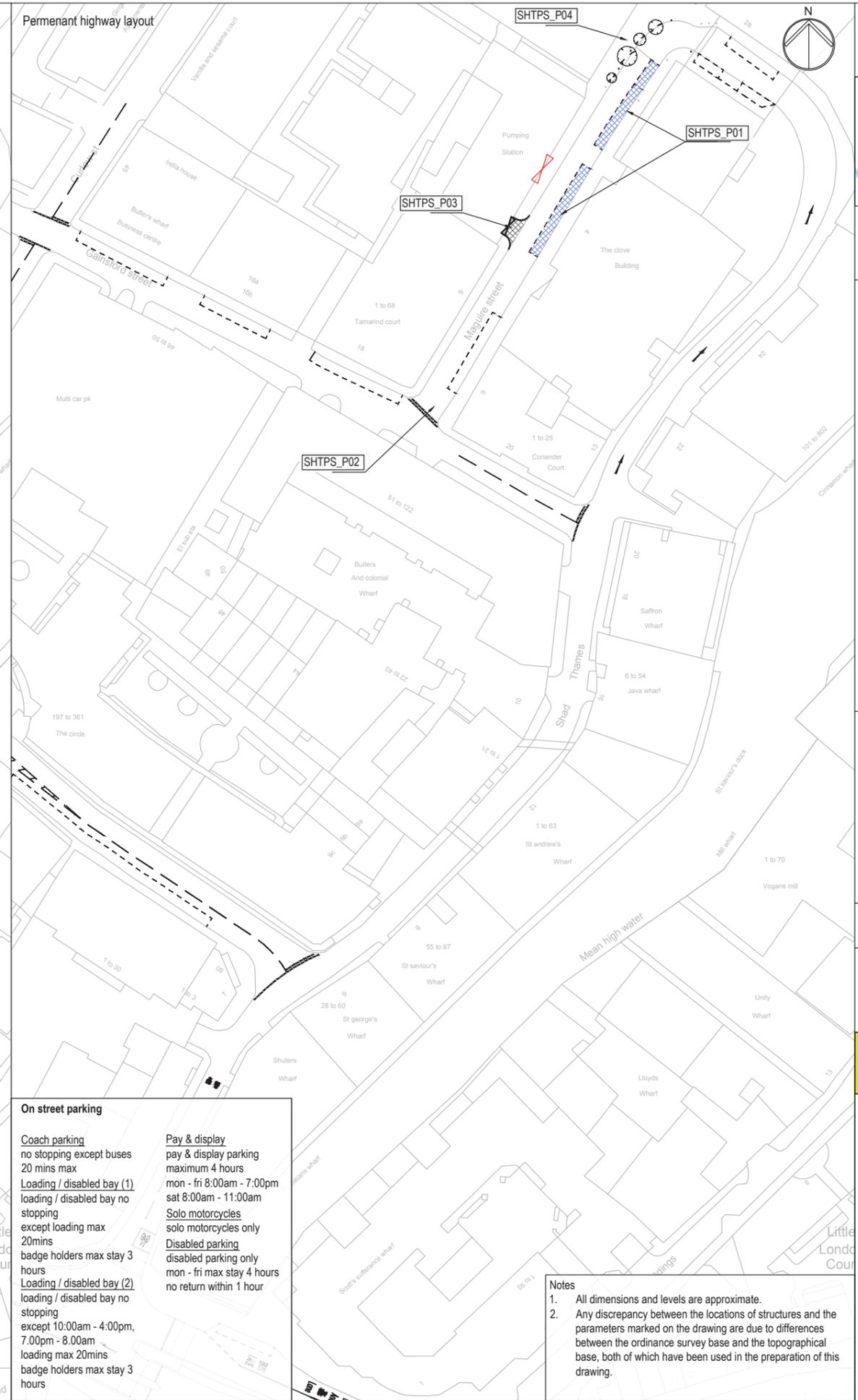
**On street parking**

**Coach parking**  
no stopping except buses  
20 mins max  
**Loading / disabled bay (1)**  
loading / disabled bay no stopping  
except loading max 20mins  
badge holders max stay 3 hours  
**Loading / disabled bay (2)**  
loading / disabled bay no stopping  
except 10:00am - 4:00pm,  
7:00pm - 8:00am  
loading max 20mins  
badge holders max stay 3 hours

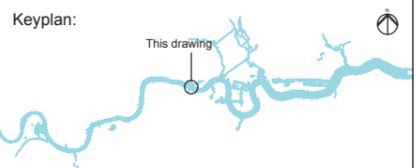
**Pay & display**  
pay & display parking  
maximum 4 hours  
mon - fri 8:00am - 7:00pm  
sat 8:00am - 11:00am  
Solo motorcycles  
solo motorcycles only  
**Disabled parking**  
disabled parking only  
mon - fri max stay 4 hours  
no return within 1 hour

**Notes**

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



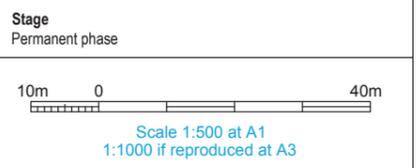
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key**
- Existing**
- On street parking
  - Bus lane
  - Pedestrian crossing
  - Cycle lane / advance stop line
- Revised**
- Reinstated on street parking
  - See schedule of works
  - Reinstated tree
  - Reinstated bollards
  - Site access (new)
  - Strengthen footway / vehicle crossover area
  - Existing site access

- 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 for the use of tactile paving, DfT, 1998
  - Accessible bus stop design guidance, TfL, 2006



**ILLUSTRATIVE**

**Location**  
Shad Thames  
London Borough of Southwark

**Document Information**  
**Application for Development Consent**  
Permanent highway layout

DCO-PP-18X-SHTPS-200025  
January 2013

**On street parking**

**Coach parking**  
no stopping except buses  
20 mins max  
**Loading / disabled bay (1)**  
loading / disabled bay no stopping  
except loading max 20mins  
badge holders max stay 3 hours  
**Loading / disabled bay (2)**  
loading / disabled bay no stopping  
except 10:00am - 4:00pm,  
7:00pm - 8:00am  
loading max 20mins  
badge holders max stay 3 hours

**Pay & display**  
pay & display parking  
maximum 4 hours  
mon - fri 8:00am - 7:00pm  
sat 8:00am - 11:00am  
**Solo motorcycles**  
solo motorcycles only  
**Disabled parking**  
disabled parking only  
mon - fri max stay 4 hours  
no return within 1 hour

**Notes**

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

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**Thames Water Utilities Limited**

Clearwater Court, Vastern Road, Reading RG1 8DB

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DCO-DT-000-ZZZZZ-022000

