



Development Consent Order

Application Reference Number: WW010001

Documents for Certification September 2014

We, Lindsay Speed and Sarah Fairbrother hereby certify that this is a true copy of the environmental statement referred to in Article 61 (1) (f) of the Thames Water Utilities Limited (Thames Tideway Tunnel) Order 2014.

Lindsay Speed

Sarah Fairbrother

September 2014

**Thames
Tideway Tunnel**



Creating a cleaner, healthier River Thames

Thames Tideway Tunnel
Thames Water Utilities Limited



Application for Development Consent

Application Reference Number: WWO10001

Environmental Statement

Doc Ref: **6.2.11**

Volume 11: Falconbrook Pumping Station figures

APFP Regulations 2009: Regulation **5(2)(a)**

Hard copy available in

Box **67** Folder **A**
January 2013

Thames
Tideway Tunnel 
Creating a cleaner, healthier River Thames

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Thames Tideway Tunnel

Environmental Statement

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Thames Tideway Tunnel

Environmental Statement

Volume 11 Falconbrook Pumping Station site assessment

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Thames Tideway Tunnel

Environmental Statement

Volume 11 Falconbrook Pumping Station figures

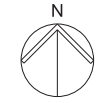
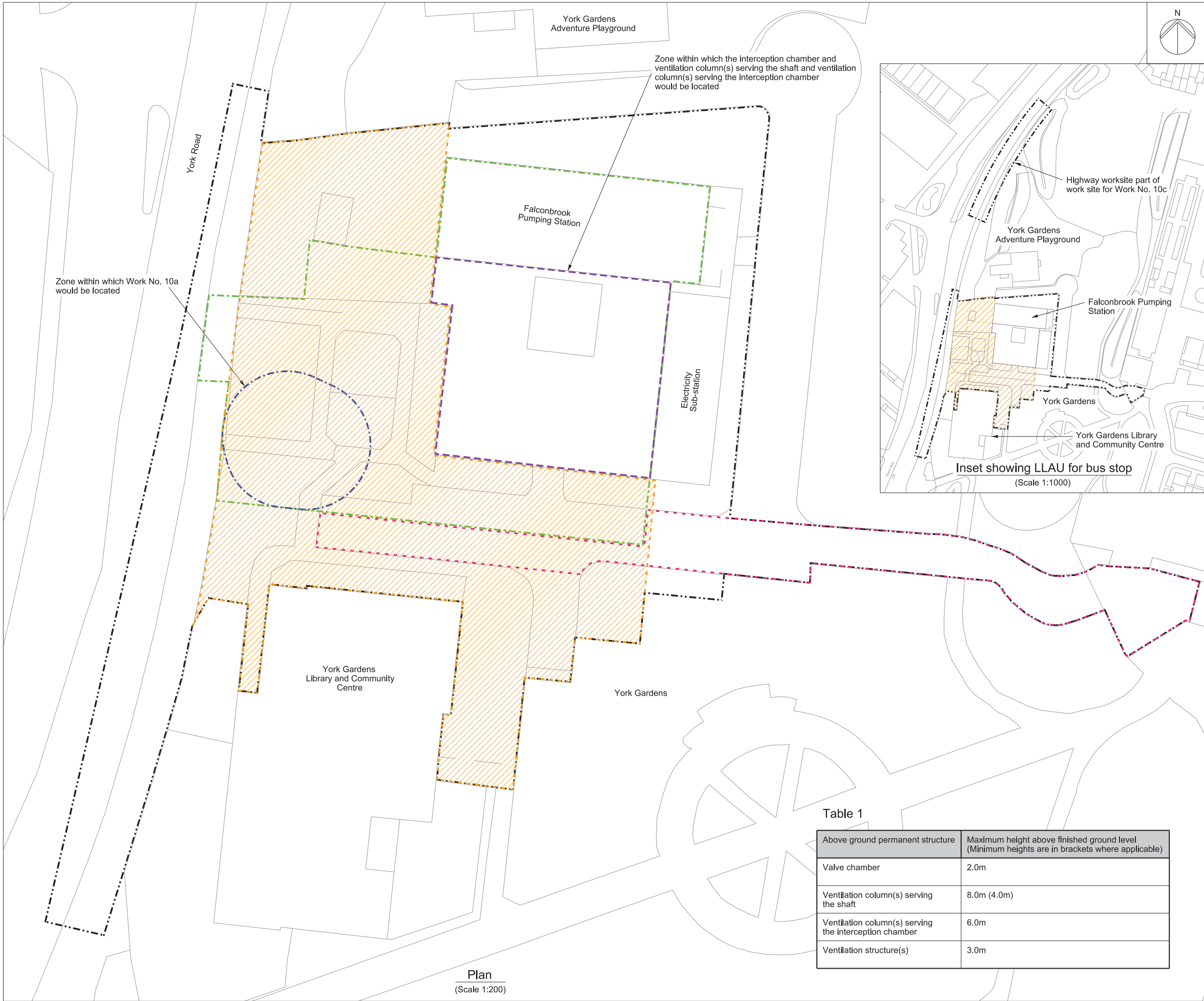
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1 Plans from the Book of Plans

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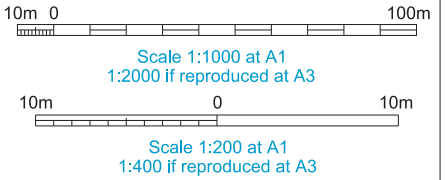
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

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

- 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.



FOR APPROVAL

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Application for Development Consent
 Site works parameter plan

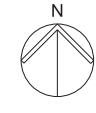
Book of plans - section 12
 DCO-PP-10X-FALPS-120006
 January 2013



Table 1

Above ground permanent structure	Maximum height above finished ground level (Minimum heights are in brackets where applicable)
Valve chamber	2.0m
Ventilation column(s) serving the shaft	8.0m (4.0m)
Ventilation column(s) serving the interception chamber	6.0m
Ventilation structure(s)	3.0m

Plan
 (Scale 1:200)



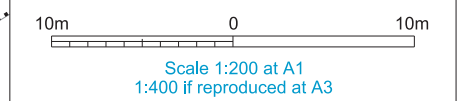
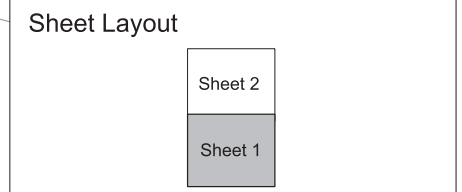
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- Key:**
- Limits of land to be acquired or used (LLAU)
 - Trees to be removed
 - Above ground structures to be removed
 - Below ground structures to be removed or infilled
 - Structure to be removed and relocated or reinstated

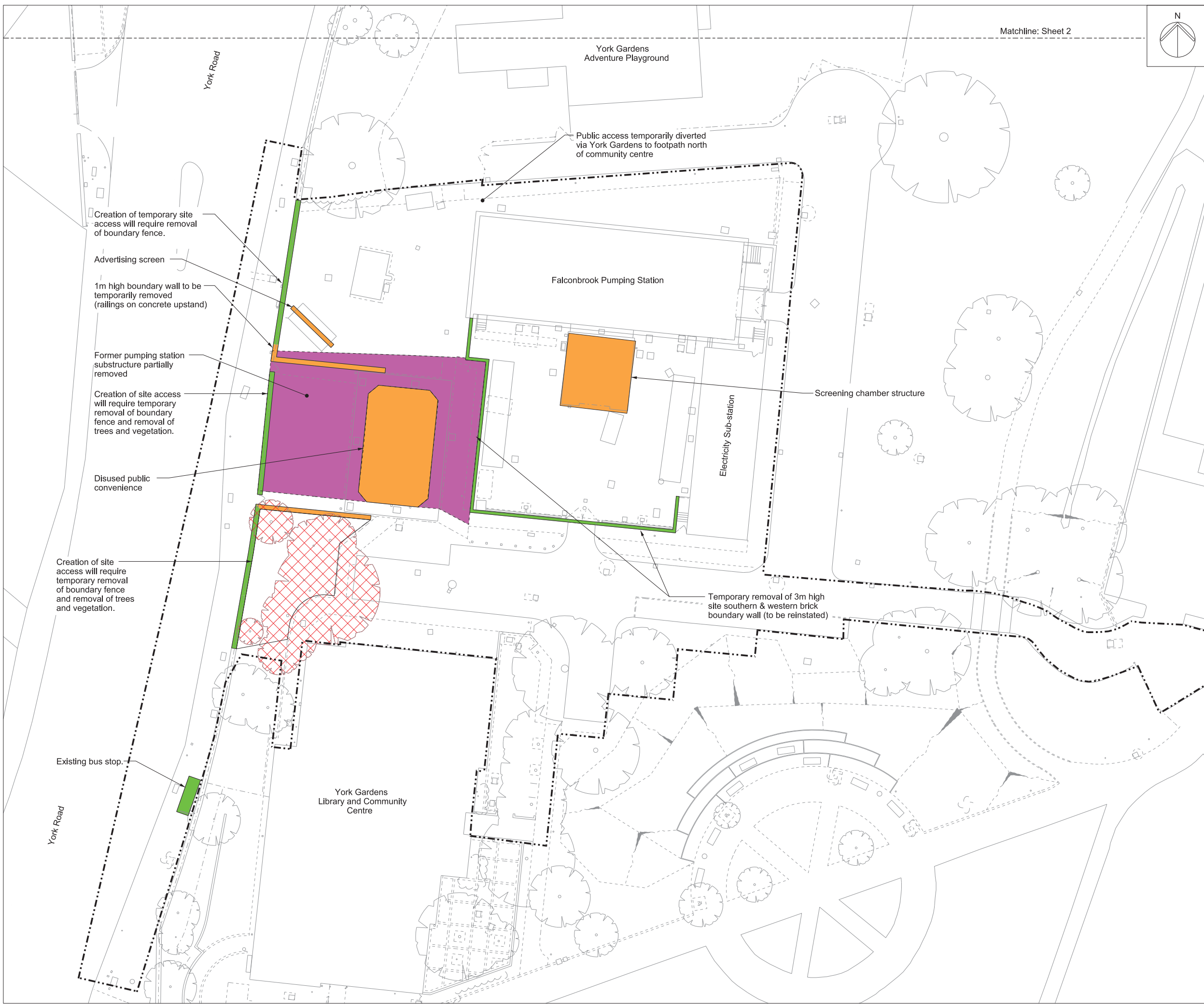
- Notes:**
1. All dimension and levels are approximate.
 2. Construction access off York Road. Formation of associated vehicle crossover and realignment of kerbs are temporary. Vehicle crossovers to be removed and existing kerb alignment to be reinstated upon completion.
 3. Minor items to be removed (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.

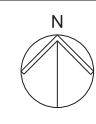
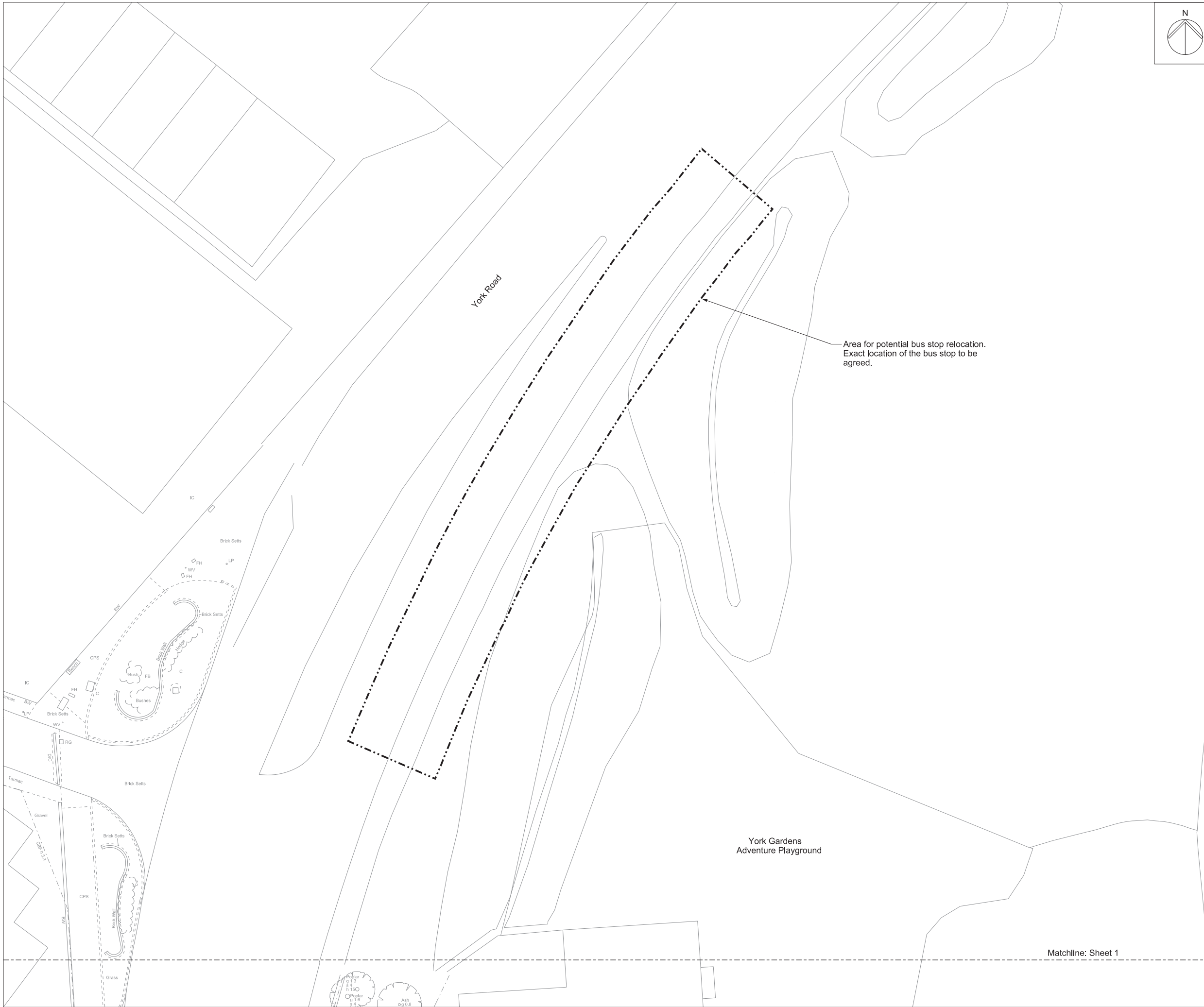


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Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Application for Development Consent
Demolition and site clearance
Sheet 1 of 2
Book of plans - section 12
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January 2013





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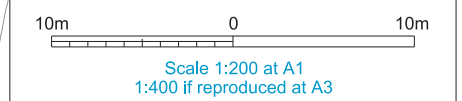
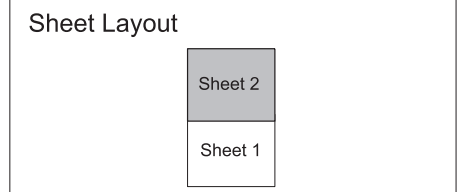


Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key:

----- Limits of land to be acquired or used (LLAU)

- Notes:**
1. Minor items to be removed (e.g. barriers, bollards etc.) are not shown.
 2. General activities of site clearance such as removal of hardstanding and foundations, stripping of topsoil and clearance of minor vegetation not shown.



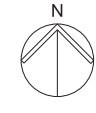
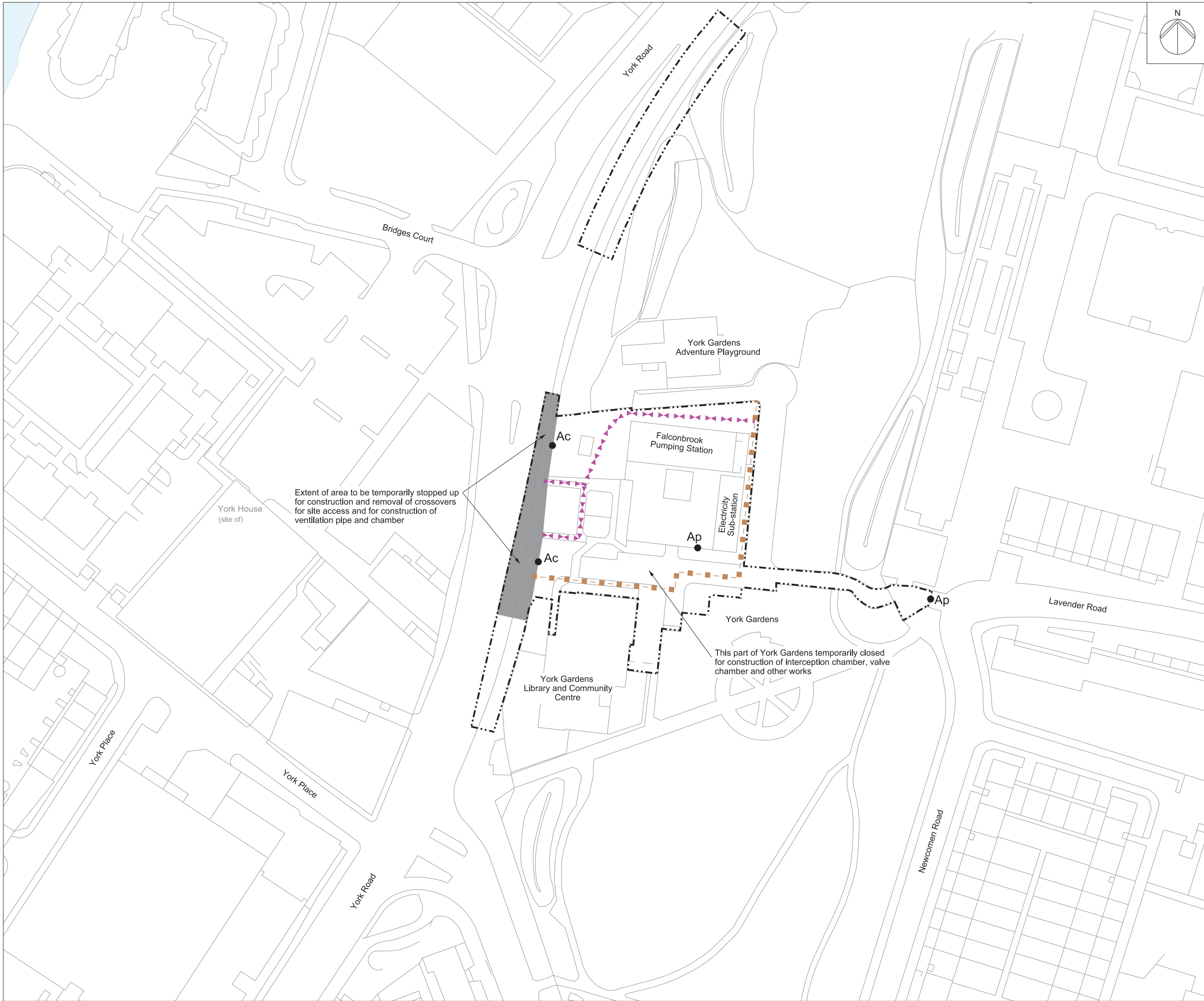
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Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Application for Development Consent
 Demolition and site clearance
 Sheet 2 of 2
 Book of plans - section 12
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Matchline: Sheet 1



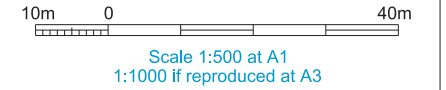
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- Key:**
- Limits of land to be acquired or used (LLAU)
 - Route of temporary diversion of right of way
 - Existing right of way temporarily stopped up
 - Area of highway to be temporarily stopped up
 - Ap** ● Access to permanent works
 - Ac** ● Access to construction works

- Notes:**
- This plan does not show stopping up and diversions of limited duration (e.g. 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.



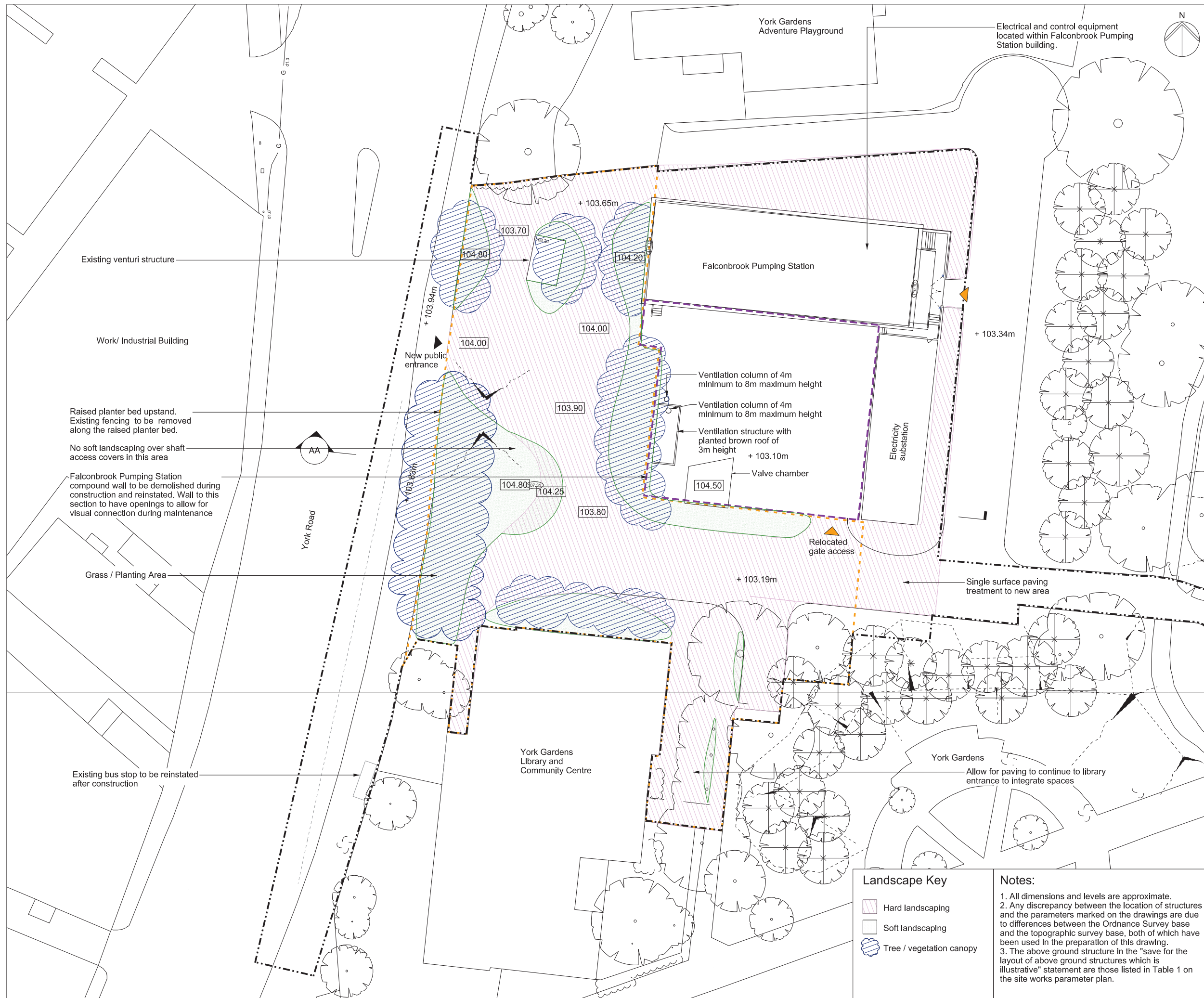
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Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Application for Development Consent
 Access plan

Book of plans - section 12
 DCO-PP-10X-FALPS-120003
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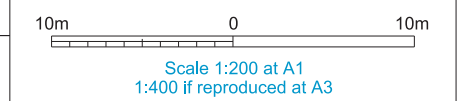


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- Key:**
- Limits of land to be acquired or used (LLAU)
 - Zone within which permanent above ground structures would be located
 - Authorised channel
 - + 105.40m Existing levels (shown in metres above tunnel datum)
 - 105.40 Proposed levels (shown in metres above tunnel datum)
 - ⊙ Existing trees within surveyed area (trunk sizes vary)
 - ⊕ Proposed trees
 - ▶ Thames Water access
 - ⊗ Advanced planting by agreement with local authority



INDICATIVE
Save for layout of above ground structures which is illustrative

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Application for Development Consent

Proposed
Landscape plan
Book of plans - section 12
DCO-PP-10X-FALPS-120009
January 2013



- Landscape Key**
- ▨ Hard landscaping
 - ▭ Soft landscaping
 - ⊕ Tree / vegetation canopy

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 structure in the "save for the layout of above ground structures which is illustrative" statement are those listed in Table 1 on the site works parameter plan.

Existing venturi structure

Work/ Industrial Building

Raised planter bed upstand. Existing fencing to be removed along the raised planter bed.
No soft landscaping over shaft access covers in this area

Falconbrook Pumping Station compound wall to be demolished during construction and reinstated. Wall to this section to have openings to allow for visual connection during maintenance

Grass / Planting Area

Existing bus stop to be reinstated after construction

York Gardens Library and Community Centre

York Gardens Adventure Playground

Electrical and control equipment located within Falconbrook Pumping Station building.

Falconbrook Pumping Station

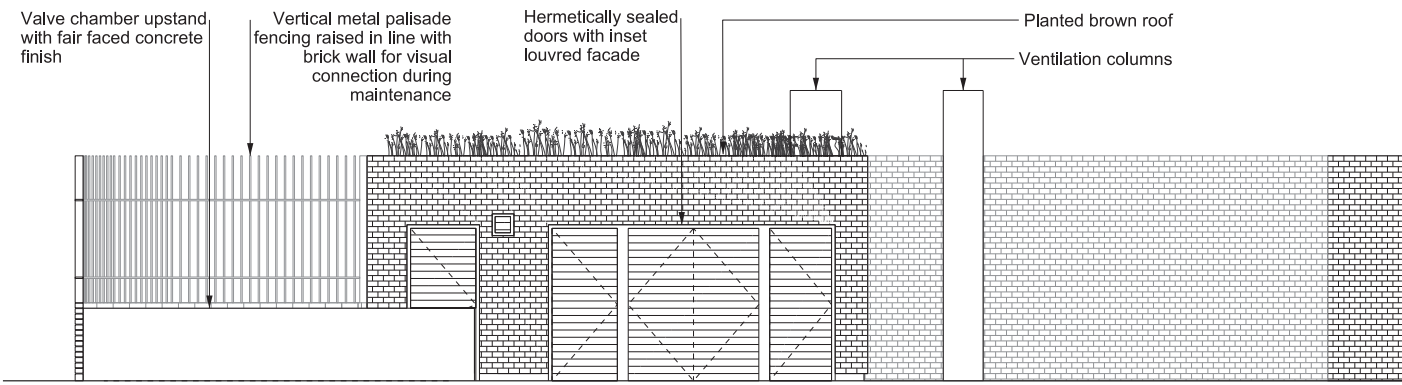
Electricity substation

Valve chamber

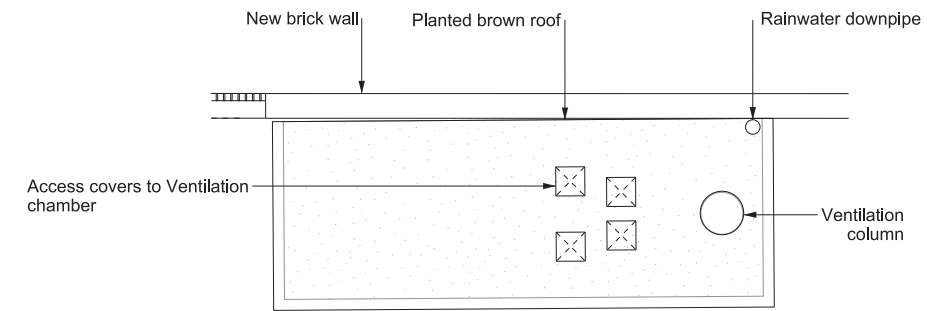
Relocated gate access

Single surface paving treatment to new area

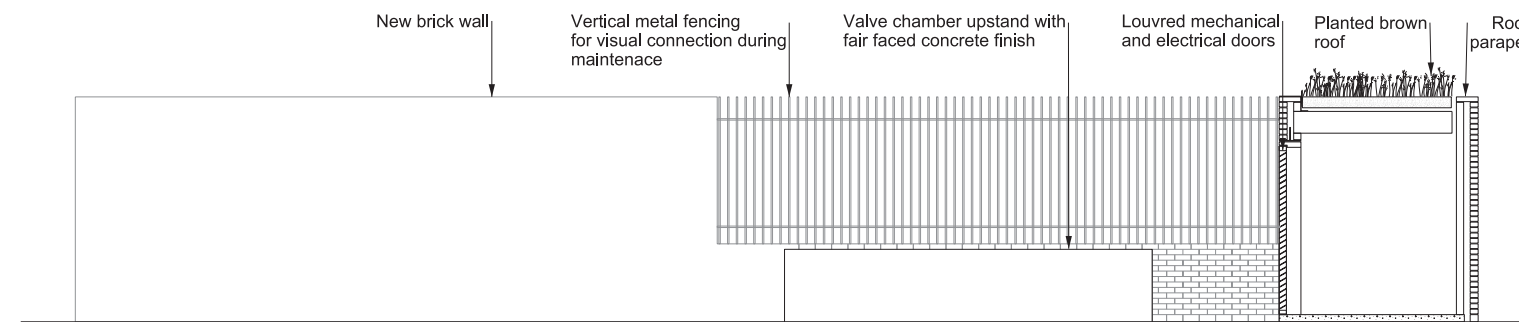
York Gardens
Allow for paving to continue to library entrance to integrate spaces



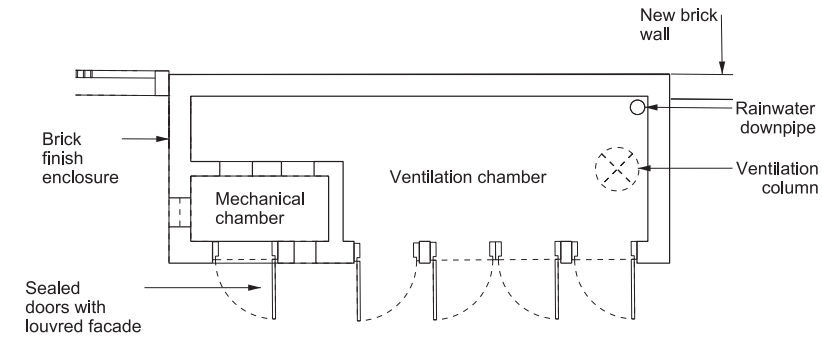
Ventilation and valve chamber East elevation



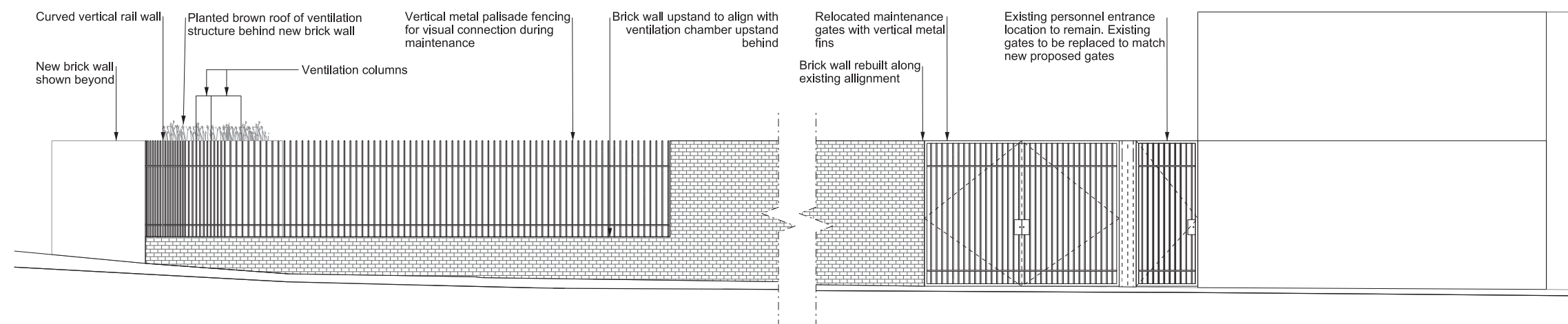
Ventilation structure roof plan



Ventilation structure typical section and valve chamber North elevation



Ventilation structure floor plan



South boundary wall elevation

West boundary wall elevation

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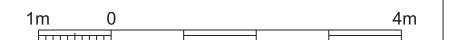
Keyplan:



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Notes:

1. All dimensions and levels are approximate.



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1:100 if reproduced at A3

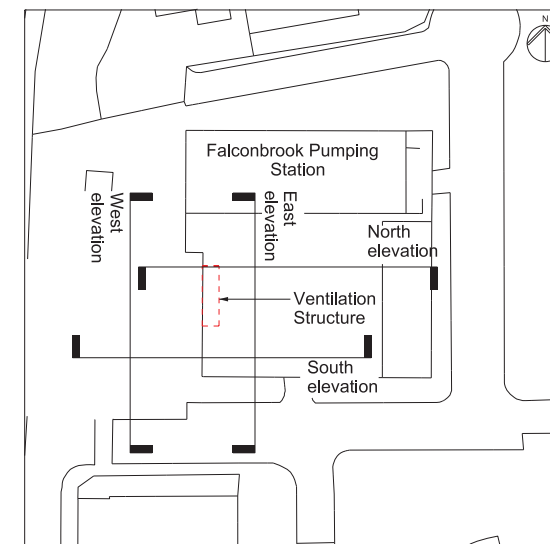
INDICATIVE

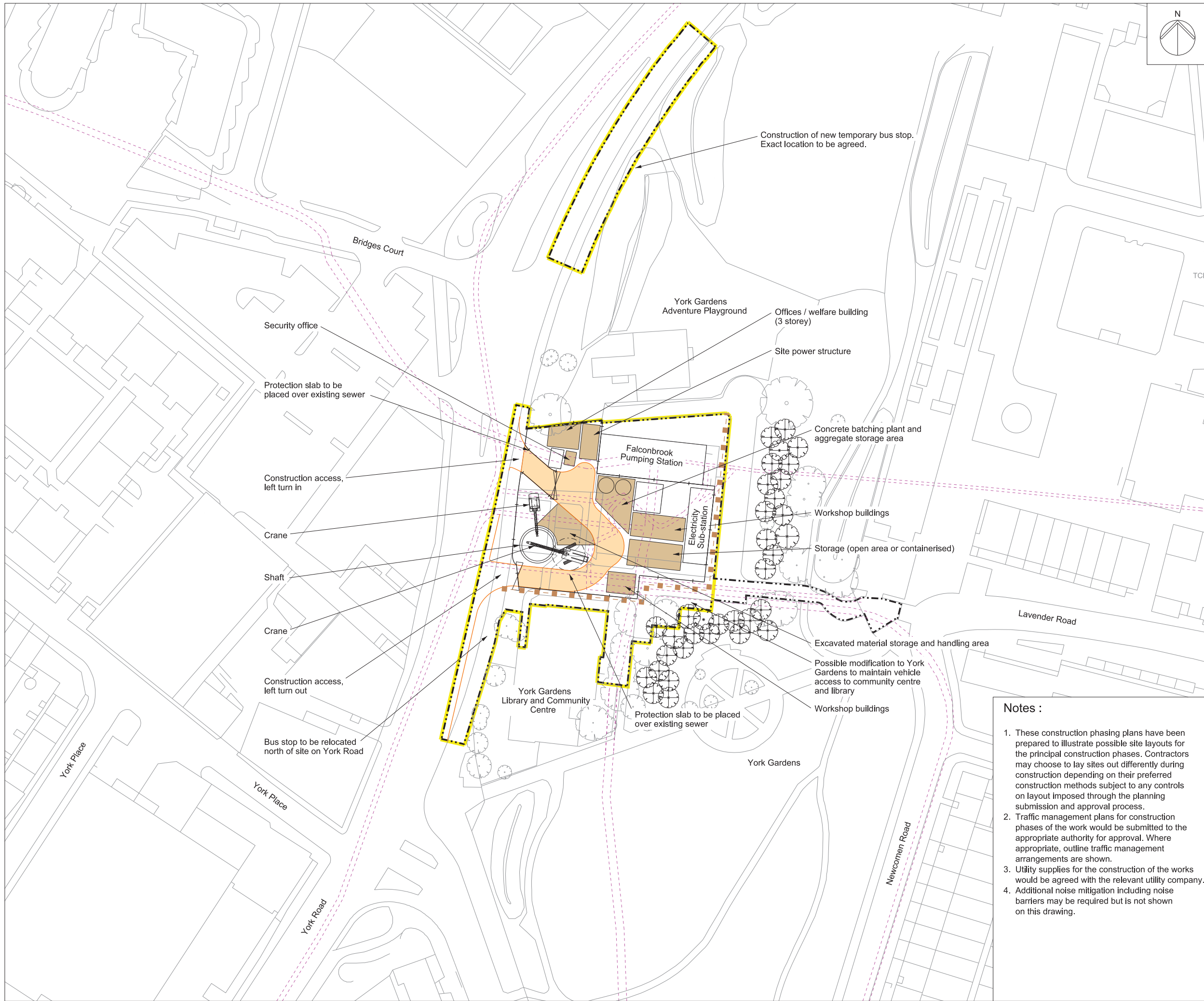
Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Application for Development Consent
Kiosk, wall and valve chamber design intent

Book of plans - section 12
DCO-PP-10X-FALPS-120013
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames





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Keyplan:
This drawing

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- Key:**
- Limits of land to be acquired or used (LLAU)
 - +— Hoarding
 - Maximum extent of working area
 - - - Route of temporary diversion of right of way
 - Site access
 - Access / haul route
 - - - Existing sewers
 - ⊕ Advanced planting to be agreed with local authority

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

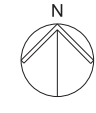
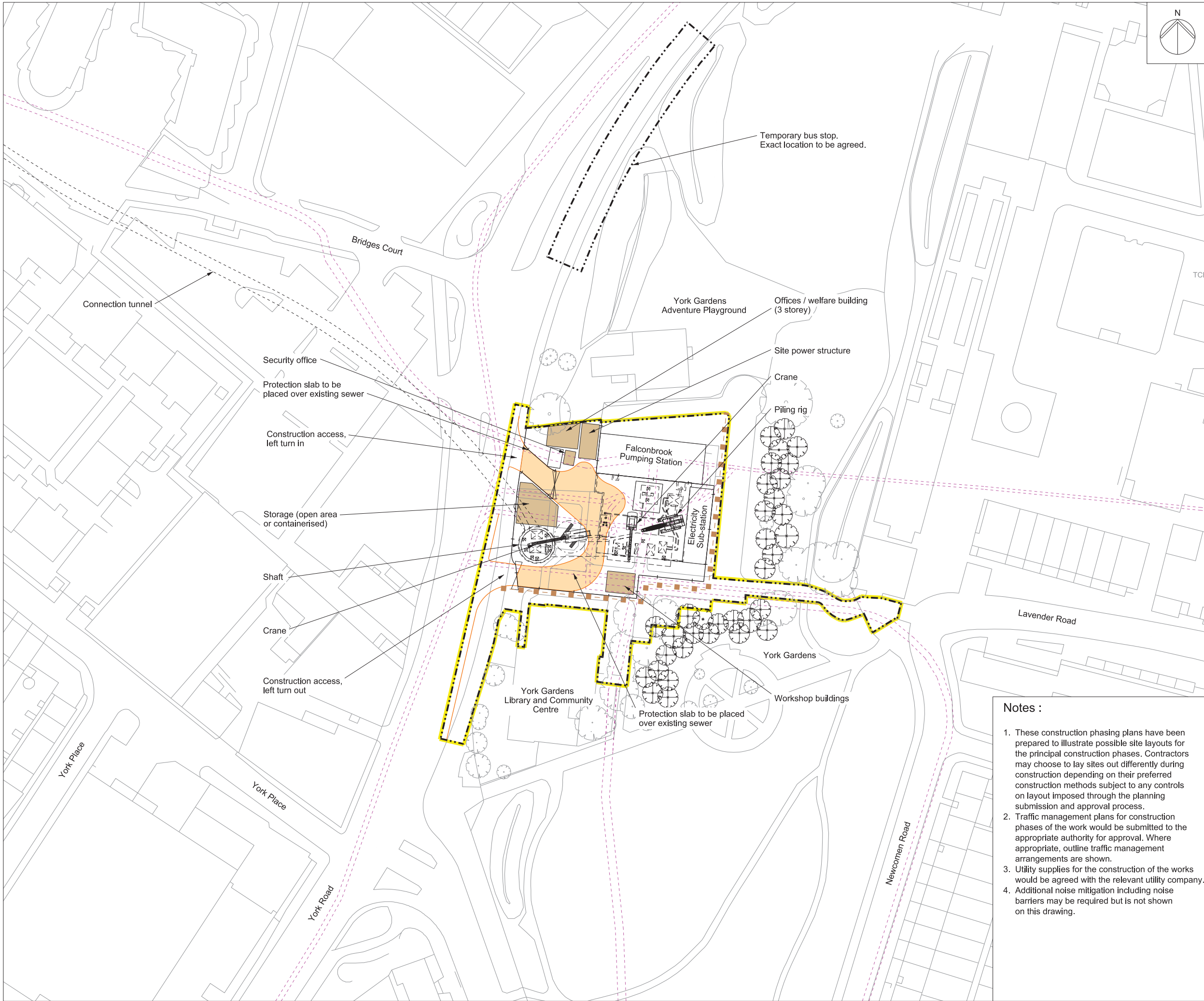
- Notes :**
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed 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.

ILLUSTRATIVE

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Application for Development Consent
Construction phases - phase 1
Site setup, shaft construction & tunnelling
Book of plans - section 12
DCO-PP-10X-FALPS-120014
January 2013





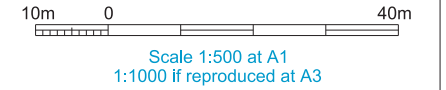
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Key:

	Limits of land to be acquired or used (LLAU)
	Hoarding
	Maximum extent of working area
	Route of temporary diversion of right of way
	Site access
	Access / haul route
	Existing sewers
	Advanced planting to be agreed with local authority



Notes :

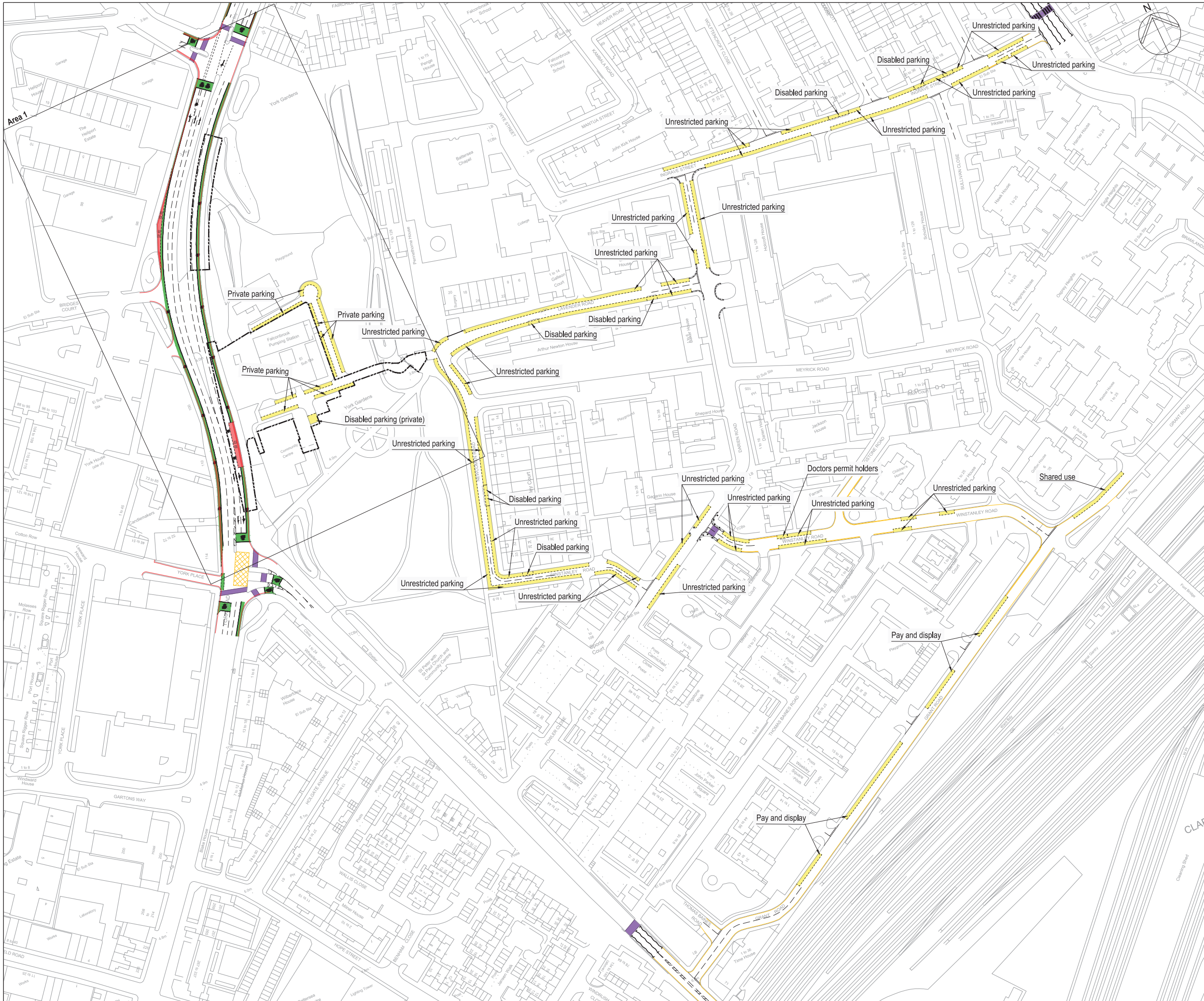
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ILLUSTRATIVE

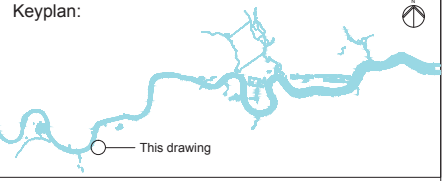
Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Application for Development Consent
 Construction phases - phase 2
 Construction of other structures
 Book of plans - section 12
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 January 2013





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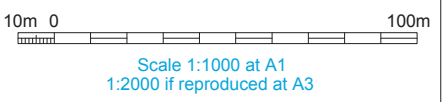
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- Key**
- Existing
- Parking restrictions
 - Red route parking restrictions
 - On street parking
 - Bus stop / stand
 - Pedestrian crossing
 - Cycle lane / advance stop line
 - Bollards
- Revised
- - - Limit of land to be acquired or used (LLAU)

- On street parking**
- Pay & display - Pay & display only max stay 10 hr Mon - Sat 8:30am - 6:30pm
 - Shared use - C1 permit holders or pay & display max stay 2hrs Mon - Sat 8:30am - 6:30pm
 - Unrestricted parking - Unrestricted parking (unmarked & without signage)
 - Private parking - Private parking for community centre
 - Disabled parking (private) - Private disabled parking
 - Doctors permit holders - Permit D 8:00am - 8:00pm

Stage
Existing and construction base case

- 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



FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Application for Development Consent
Existing highway layout

DCO-PP-10X-FALPS-120017
January 2013



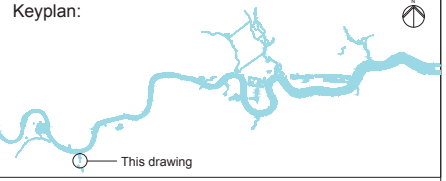
Existing and construction base case highway layout



Highway layout during construction



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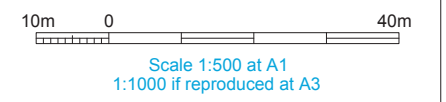
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key	
Existing	
	Parking restrictions
	Bus stop / stand
	Pedestrian crossing
	Cycle lane / advance stop line
	On street parking
	Gate
Revised	
	Red route parking restrictions
	Removal of footway
	Suspended bus stop
	Suspended parking
	Relocated bus stop
	Relocated cycle path
	Illustrative on-site manoeuvring zone
	Tactile paving
	Site hut
	Site hoarding
	Access gate
	Limit of land to be acquired or used (LLAU)
PWH8X_C00 See schedule of works	

On street parking
 Private parking - Private parking
 Disabled parking (private) - Private disabled parking for library and community centre

Stage
 Phase 1 and 2

- 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



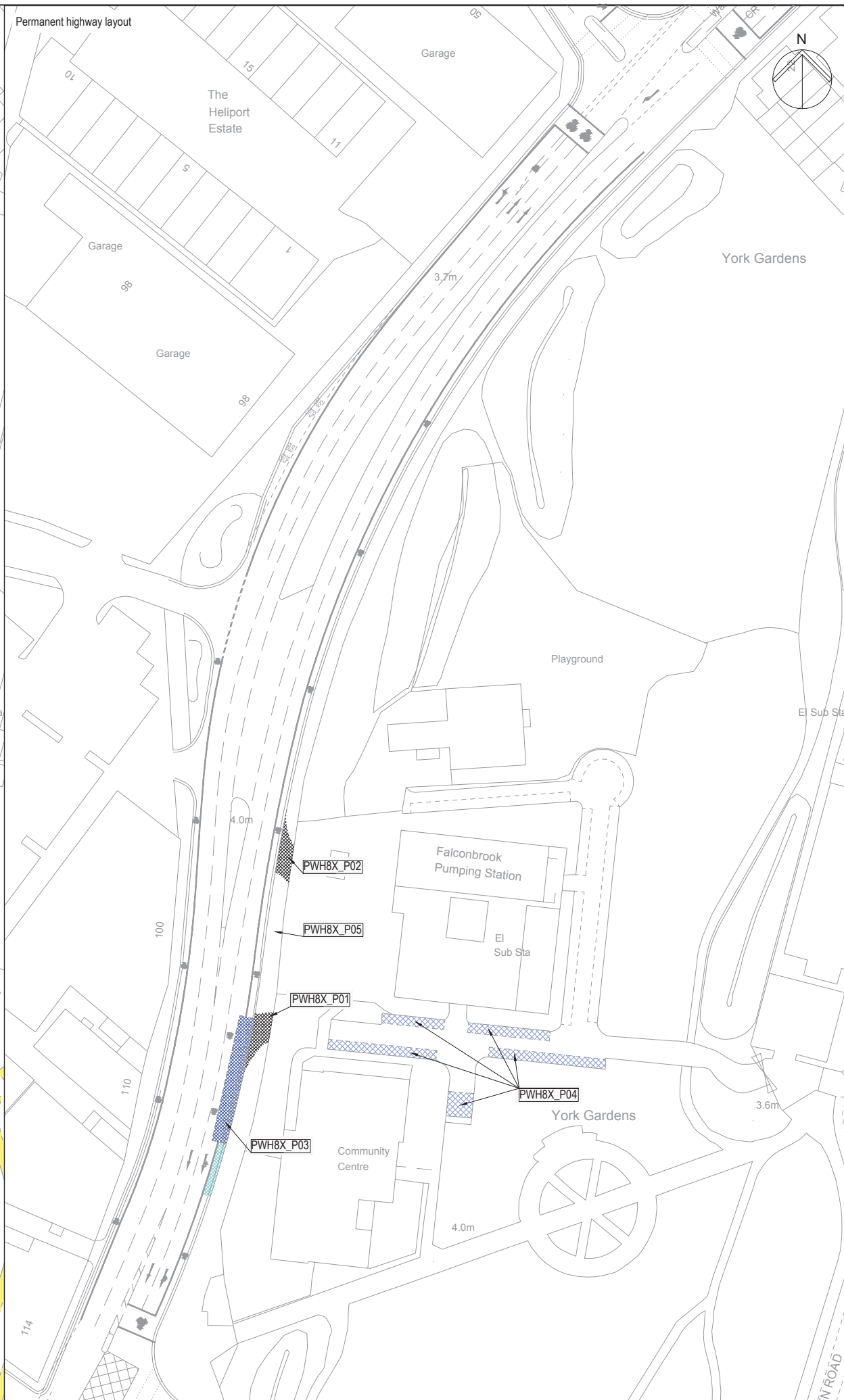
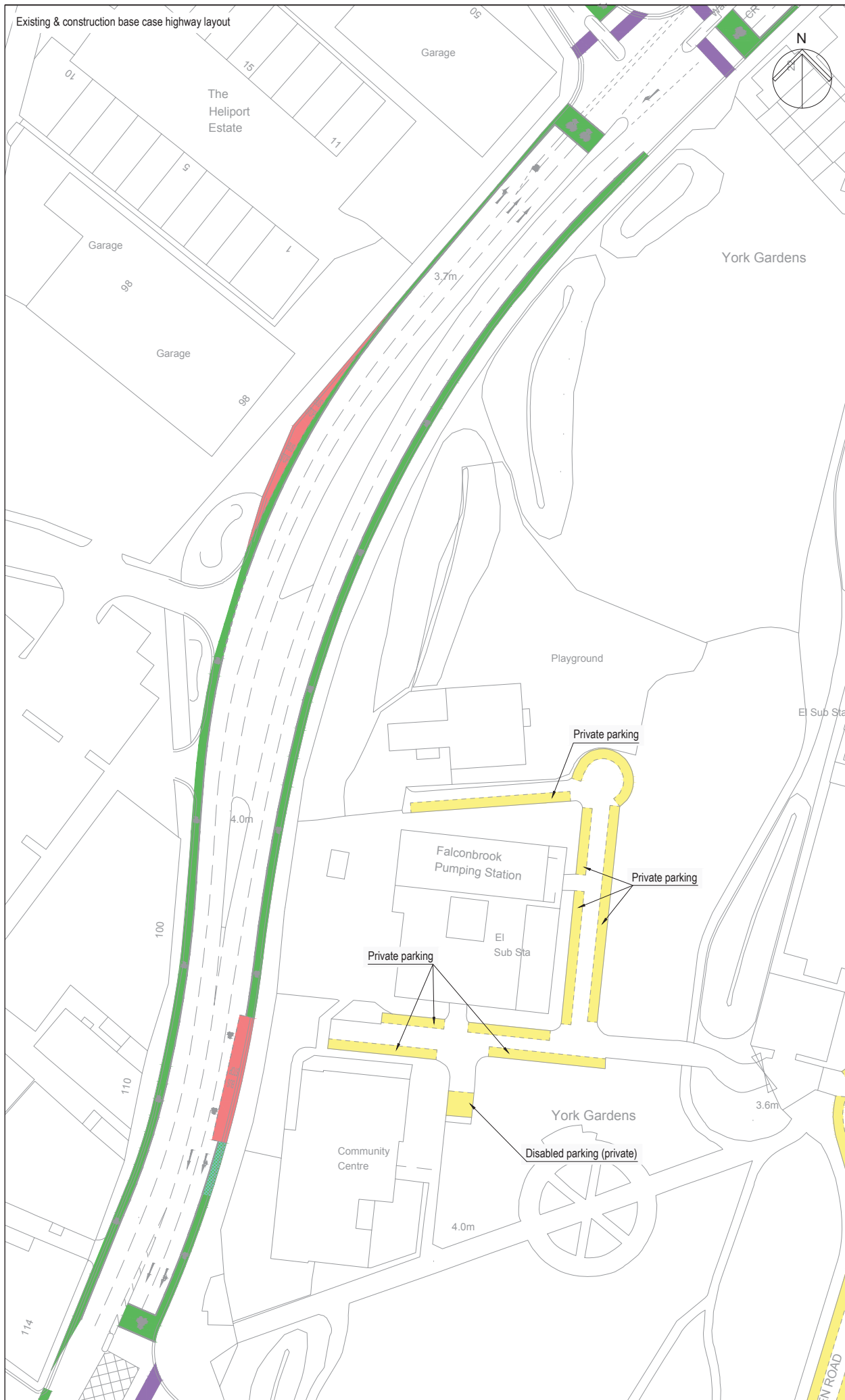
ILLUSTRATIVE

Location
 Falconbrook Pumping Station
 London Borough of Wandsworth

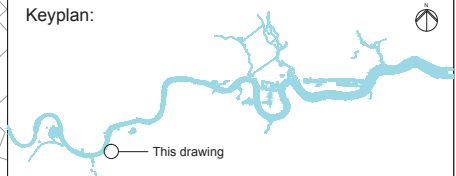
Document Information
 Application for Development Consent
 Highway layout during construction
 (Area 1)

DCO-PP-10X-FALPS-120018
 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.

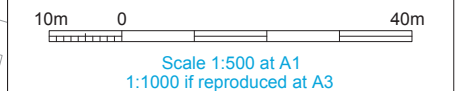
- Key**
- Existing**
- Parking restrictions
 - Bus stop / stand
 - Pedestrian crossing
 - Cycle lane / advance stop line
 - On street parking
- Revised**
- ▨ Reinstated footway
 - ▨ Reinstated parking
 - ▨ Reinstated bus stop
 - ▨ Reinstated cycle lane
 - ▨ Illustrative on-site manoeuvring zone
 - ▨ New tactile paving
- PWH1X_C00 See schedule of works

On street parking

Private parking - Private parking
 Disabled parking (private) - Private disabled parking for library and community centre

- Standards**
- Design Manual for Roads and Bridges, DfT, 1992
 - Traffic Signs Regulations & General Directions, Tso, 2002
 - Traffic Signs Manual, DfT, 2006
 - Manual for Streets, DfT, 2007
 - Manual for Streets 2, CIHT, 2010
 - Designing for Deliveries, Fta, 1998
 - Cycle Infrastructure Design Ltn 2/08, DfT, 2008
 - Design of Pedestrian Crossings Ltn 2/95, DfT, 1995
 - Guidance on the use of Tactile Paving Surfaces, DfT, 1998
 - Accessible Bus Stop Design Guidance, TfL, 2006

Stage
 Permanent phase



ILLUSTRATIVE

Location
 Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
 Application for Development Consent
 Permanent highway layout
 Area 1 Work

DCO-PP-10X-FALPS-120019
 January 2013



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2 Environmental impact assessment figures

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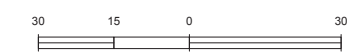
Keyplan:



Key

- Limits of Land to be Acquired or Used
- Local Authority Boundary
- River Thames

LONDON BOROUGH OF WANDSWORTH



Scale 1 : 1,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Site location plan
Vol. 11 Figure 2.1.1

1PL03-MG-00704
January 2013

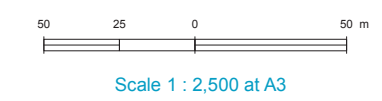
Thames Tideway Tunnel
Creating a cleaner, healthier River Thames



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- Key**
- Limits of Land to be Acquired or Used
 - Local Authority Boundary
- Land Use**
- Class A1-A5 (Shops, Financial & Professional Services, Restaurants, Drinking Establishments and Hot Food Takeaways)
 - Class B1 (Business (Offices except A2), Research and Development, Light Industry)
 - Class B2-B8 (General Industrial / Storage or Distribution)
 - Class C1 (Hotels)
 - Class C3-C4 (Dwelling Houses)
 - Class D1-D2 (Non Residential Institutions (Community Facilities) and Assembly and Leisure)
 - Mixed Use
 - Other
 - Open Space



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Land use
 Vol. 11 Figure 2.1.2

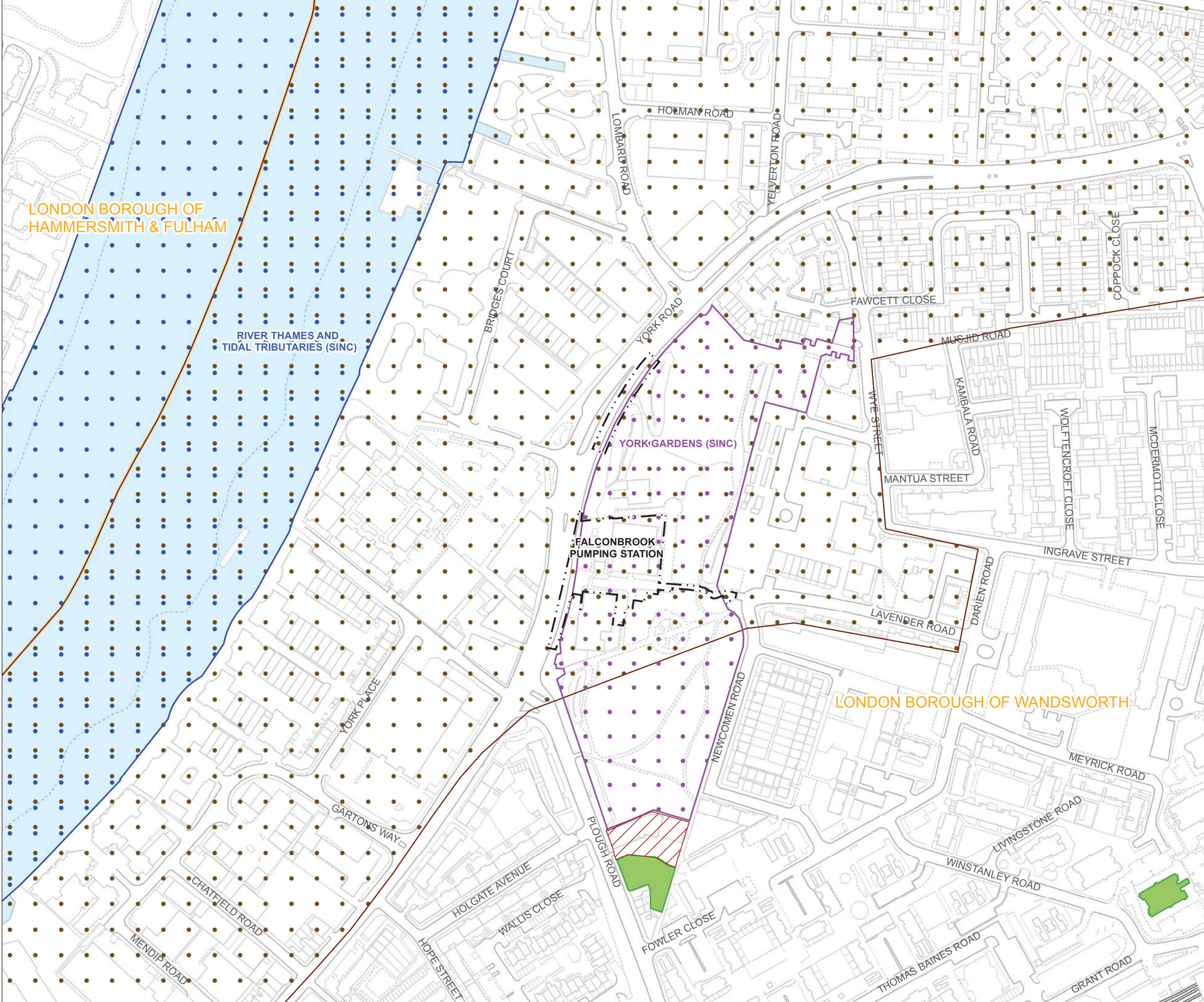
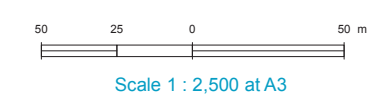
1PL03-MG-00769
 January 2013



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- Key
- Limits of Land to be Acquired or Used
 - ▨ Listed Building Area
 - Tree Preservation Order Area
 - LPA Archaeological Area
 - ▭ Local Authority Boundary
 - River Thames
- Sites of Importance for Nature Conservation (SINC)
- Metropolitan Importance
 - Local Importance



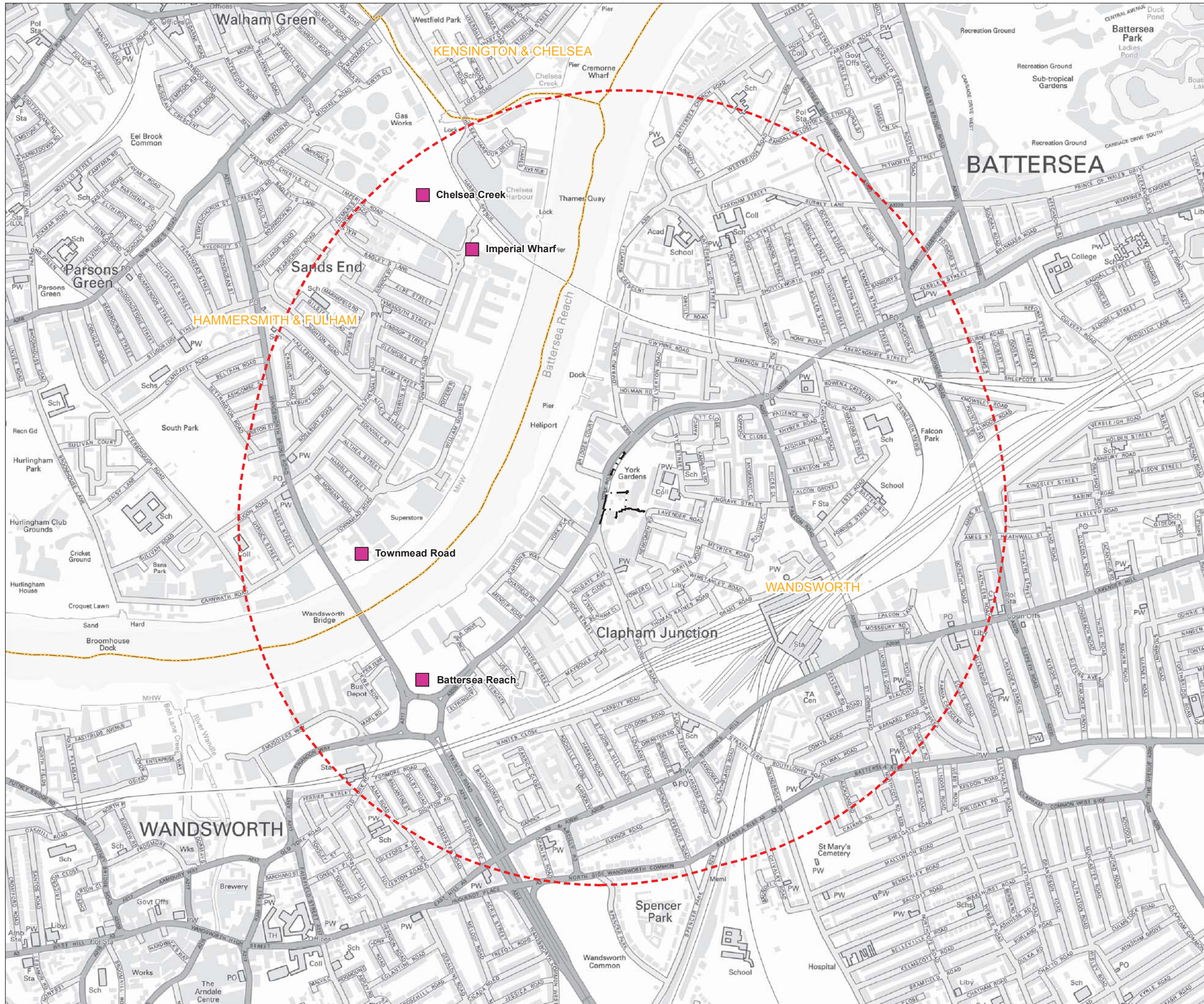
FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Environmental setting
Vol. 11 Figure 2.1.3

1PL03-MG-00686
January 2013



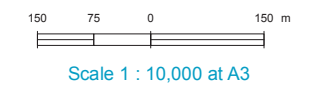


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- Key
- Planning Application
 - Limits of Land to be Acquired or Used
 - Planning Application (1km Boundary)
 - Local Authority Boundary

Note: This plan does not show the full extent for each planning application, but a single point within the application site.



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Base case and cumulative development projects
 Vol.11 Figure 3.5.1
 1PL03-MG-00727
 January 2013

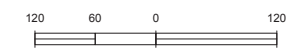


Keyplan:



Key

- Limits of Land to be Acquired or Used
- Existing Local Authority Continuous Monitors
- Existing Local Authority Diffusion Tubes
- New Diffusion Tubes (Project)



Scale 1 : 7,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

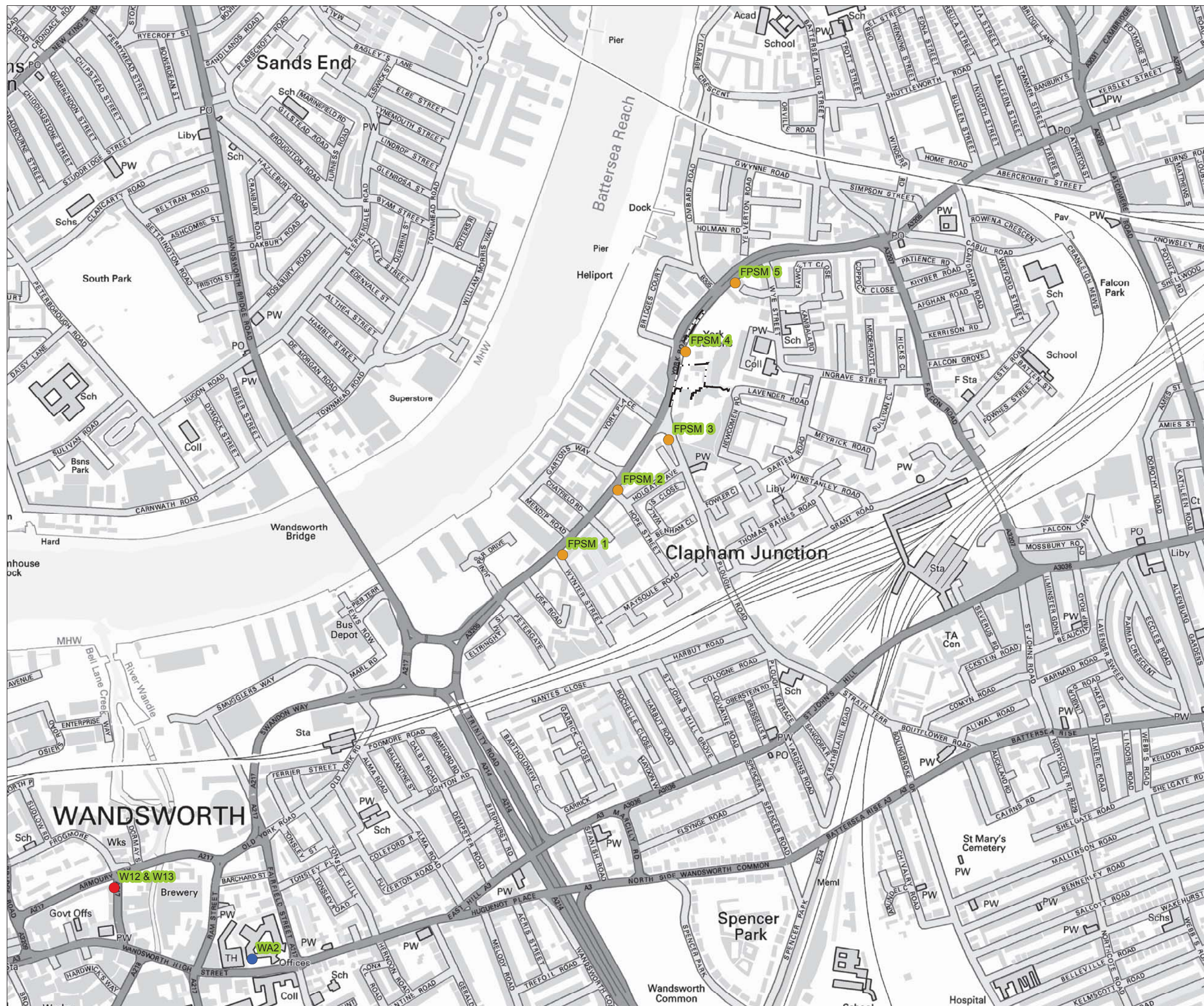
Environmental Statement

Air quality and odour - air quality monitoring sites

Vol.11 Figure 4.4.1

1PL03-AQ-10904

January 2013



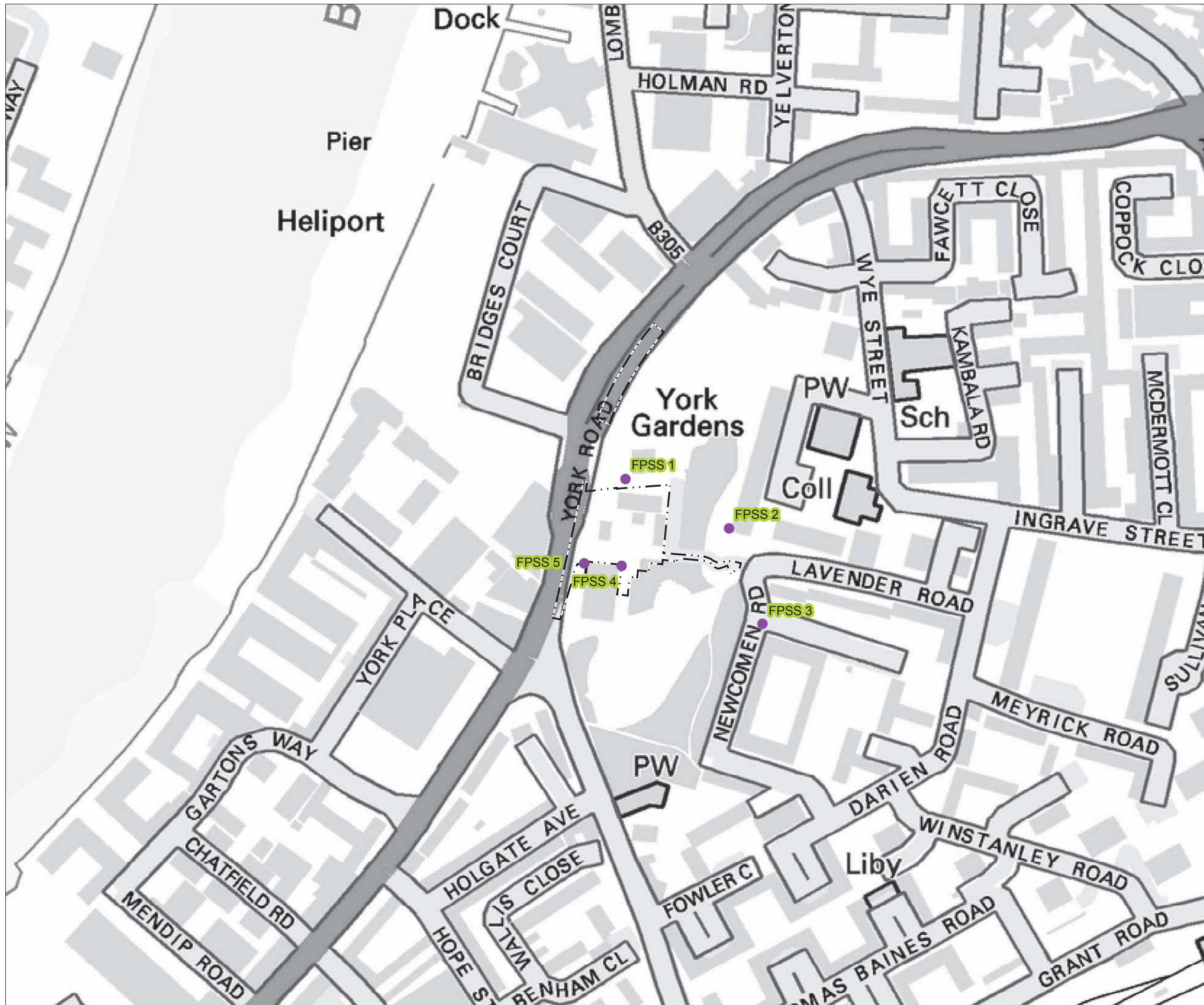
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Keyplan:



Key

- Limits of Land to be Acquired or Used
- H₂S Monitoring Locations



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Air quality and odour - H₂S monitoring locations
Vol.11 Figure 4.4.2

1PL03-AQ-10905
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames



Keyplan:

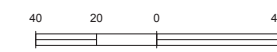


Key

- Limits of Land to be Acquired or Used
- Modelled Receptors

Note: The receptors are selected on the basis that they are representative of sensitive land uses closest to the site.

- FPSR 1 - Residential, York Place
- FPSR 2 - Commercial, York Road
- FPSR 3 - Candle Shop
- FPSR 4 - York Gardens Community Centre & Library
- FPSR 5 - Children's Centre & Adventure Playground
- FPSR 6 - York Gardens
- FPSR 7 - Residential, Pennethorne House
- FPSR 8 - Battersea Chapel
- FPSR 9 - Thames Christian College School
- FPSR 10 - Residential, Newcomen Road
- FPSR 11 - Doctor's Surgery, 20 Lavender Road
- FPSR 12 - Commercial, 100, 110 & 112 York Road



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Air quality and odour - modelled air quality receptors

Vol.11 Figure 4.4.3

1PL03-AQ-10906

January 2013

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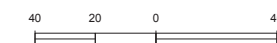
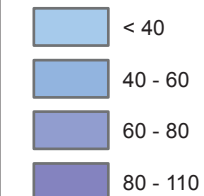
Keyplan:



Key

— Limits of Land
 - - - to be Acquired or Used

Predicted Annual Mean NO₂ Concentration (µg/m³)



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information

Environmental Statement

Air quality and odour - annual mean NO₂
 for 2010 baseline
 Vol.11 Figure 4.5.1

1PL03-AQ-10907
 January 2013



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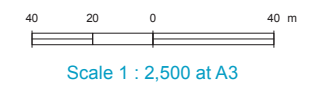


Key

- Limits of Land
- - - to be Acquired or Used

Predicted Annual Mean NO₂ Concentration (µg/m³)

< 32
32 - 36
36 - 40
40 - 60
60 - 80
80 - 110



FOR INFORMATION

Location
 Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Air quality and odour - annual mean NO₂ for peak construction year base case
 Vol.11 Figure 4.5.2
 1PL03-AQ-10908
 January 2013



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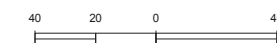
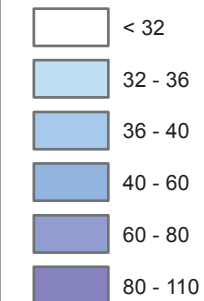
Keyplan:



Key

— Limits of Land
 - - - to be Acquired or Used

Predicted Annual Mean NO₂ Concentration (µg/m³)



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information

Environmental Statement

Air quality and odour - annual mean NO₂
 for peak construction year development case
 Vol.11 Figure 4.5.3

1PL03-AQ-10909
 January 2013

Thames Tideway Tunnel
 Creating a cleaner, healthier River Thames



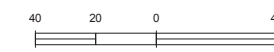
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Keyplan:

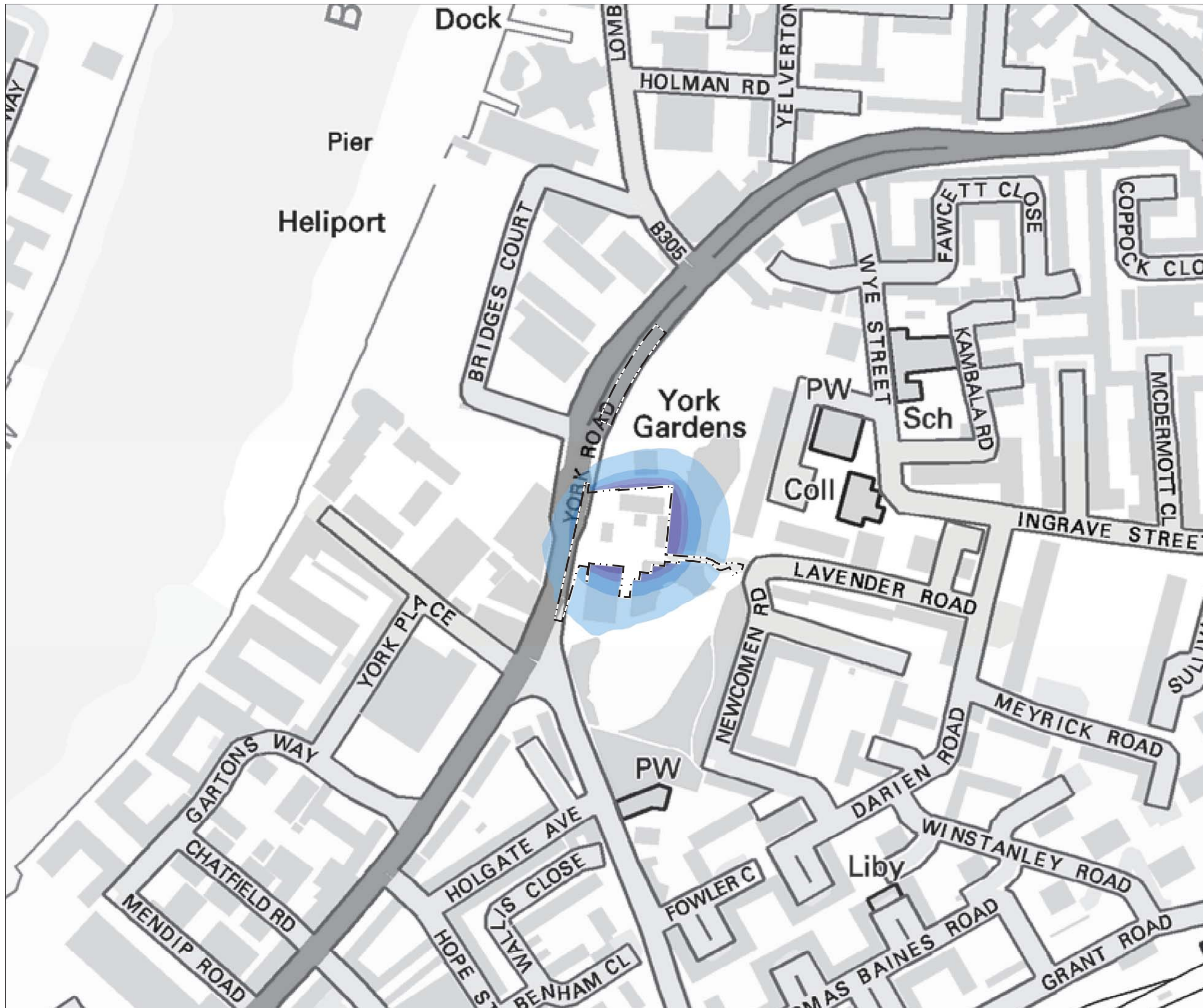


Key

- Limits of Land
 - - - to be Acquired or Used
- Predicted Annual Mean NO₂ Impact (µg/m³)
- < 1
 - 1 - 2
 - 2 - 3
 - 3 - 4
 - 4 - 5



Scale 1 : 2,500 at A3



FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

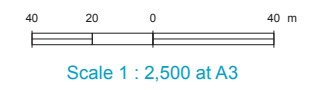
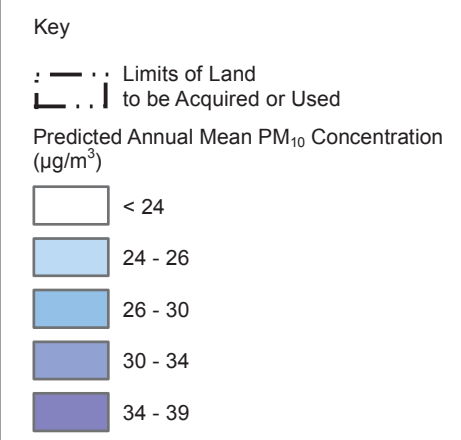
Environmental Statement

Air quality and odour - annual mean NO₂ impact for peak construction year
Vol.11 Figure 4.5.4

1PL03-AQ-10910
January 2013



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FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Air quality and odour - annual mean PM₁₀
for 2010 baseline
Vol.11 Figure 4.5.5
1PL03-AQ-10911
January 2013



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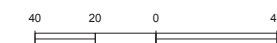
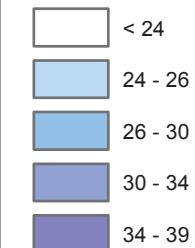
Keyplan:



Key

— Limits of Land
 - - - to be Acquired or Used

Predicted Annual Mean PM₁₀ Concentration (µg/m³)



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information

Environmental Statement

Air quality and odour - annual mean PM₁₀
 for peak construction year base case
 Vol.11 Figure 4.5.6

1PL03-AQ-10912
 January 2013



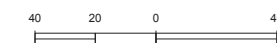
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Keyplan:



Key

- Limits of Land
 - - - to be Acquired or Used
- Predicted Annual Mean PM₁₀ Concentration (µg/m³)
- < 24
 - 24 - 26
 - 26 - 30
 - 30 - 34
 - 34 - 39



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

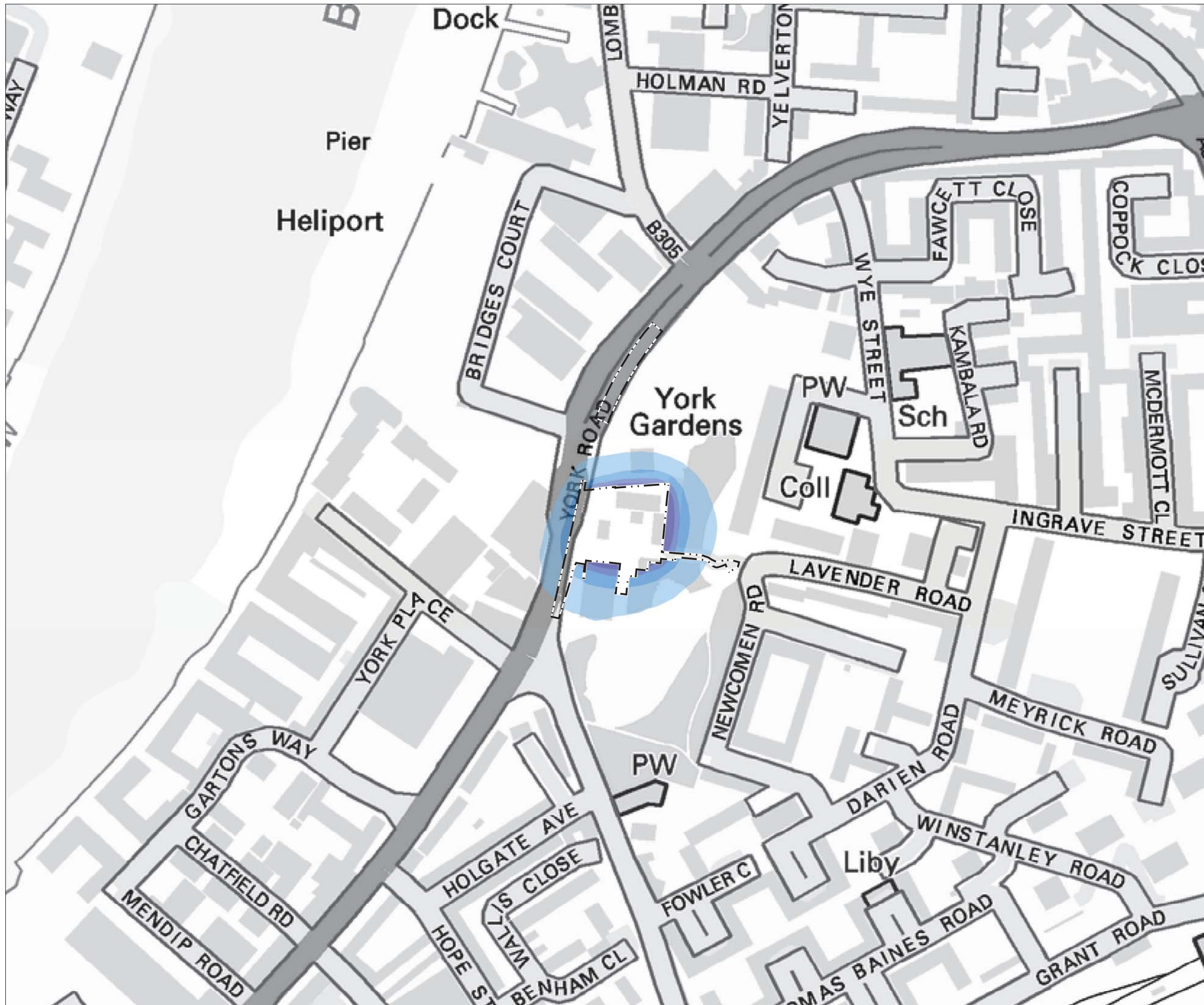
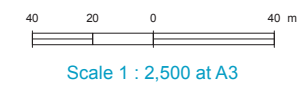
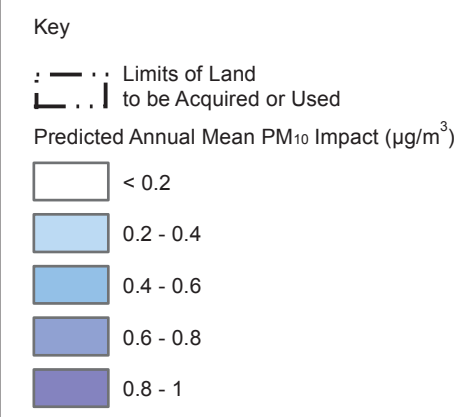
Air quality and odour - annual mean PM₁₀
for peak construction year development case
Vol.11 Figure 4.5.7

1PL03-AQ-10913
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames



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FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Air quality and odour - annual mean PM₁₀ impact for peak construction year
 Vol.11 Figure 4.5.8
 1PL03-AQ-10914
 January 2013



Keyplan:



Key

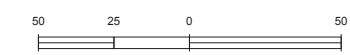
— Limits of Land to be Acquired or Used

● CSO (Directly Controlled)

Fish

● Seine Netting

➔ Boat Fish Trawl



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

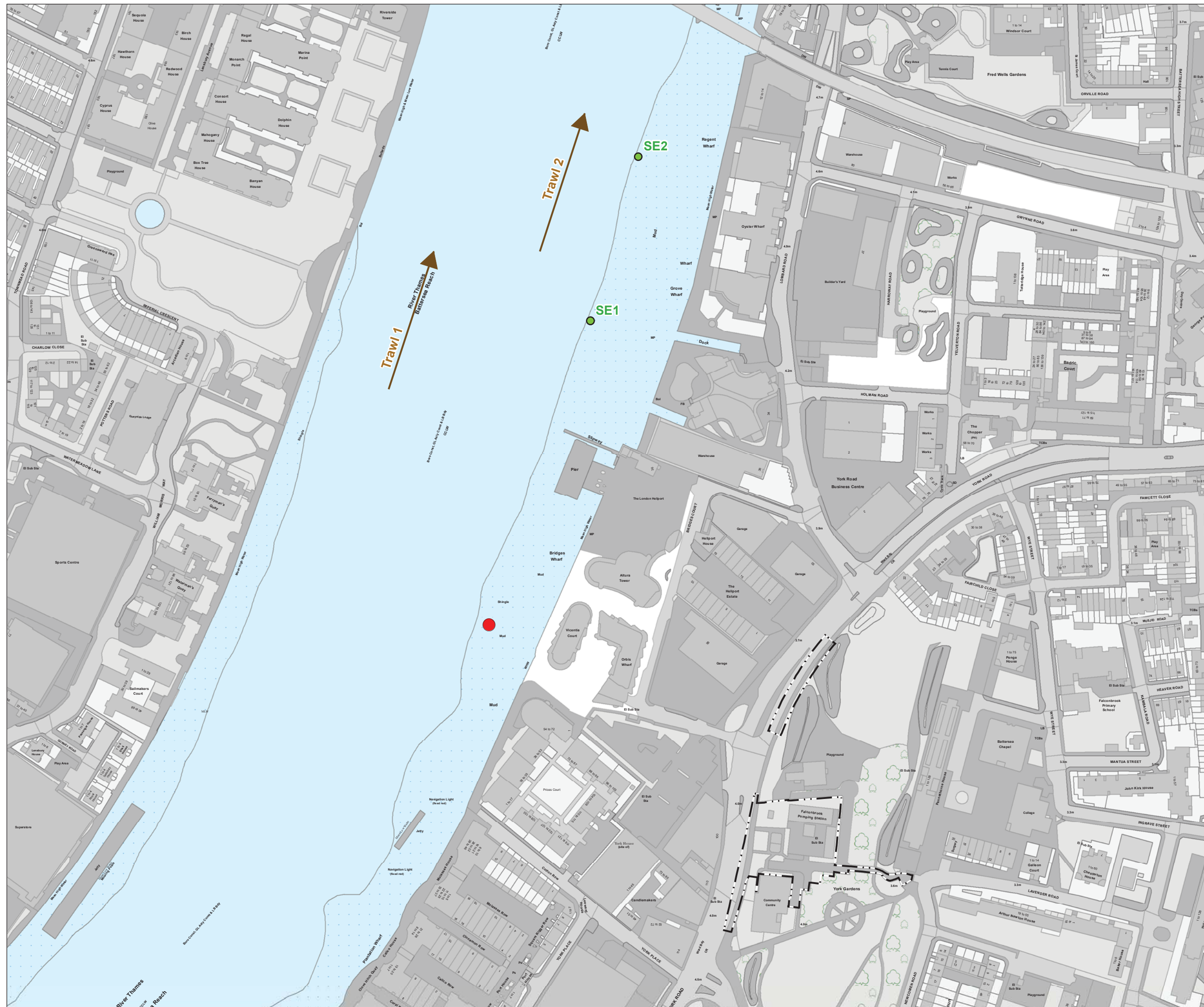
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Aquatic ecology - fish sampling locations
(intermediate site 2)
Vol.11 Figure 5.4.1

1PL03-AE-20083
January 2013





The River Thames and tidal tributaries

HAMMERSMITH & FULHAM

York Gardens

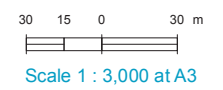
WANDSWORTH

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- Key
- Limits of Land to be Acquired or Used
 - 250m from Site
 - Local Authority Boundary
- Sites of Importance for Nature Conservation (SINC)
- Metropolitan Importance
 - Local Importance

Note:
Aerial Imagery taken in 2010, before assessment.



FOR INFORMATION

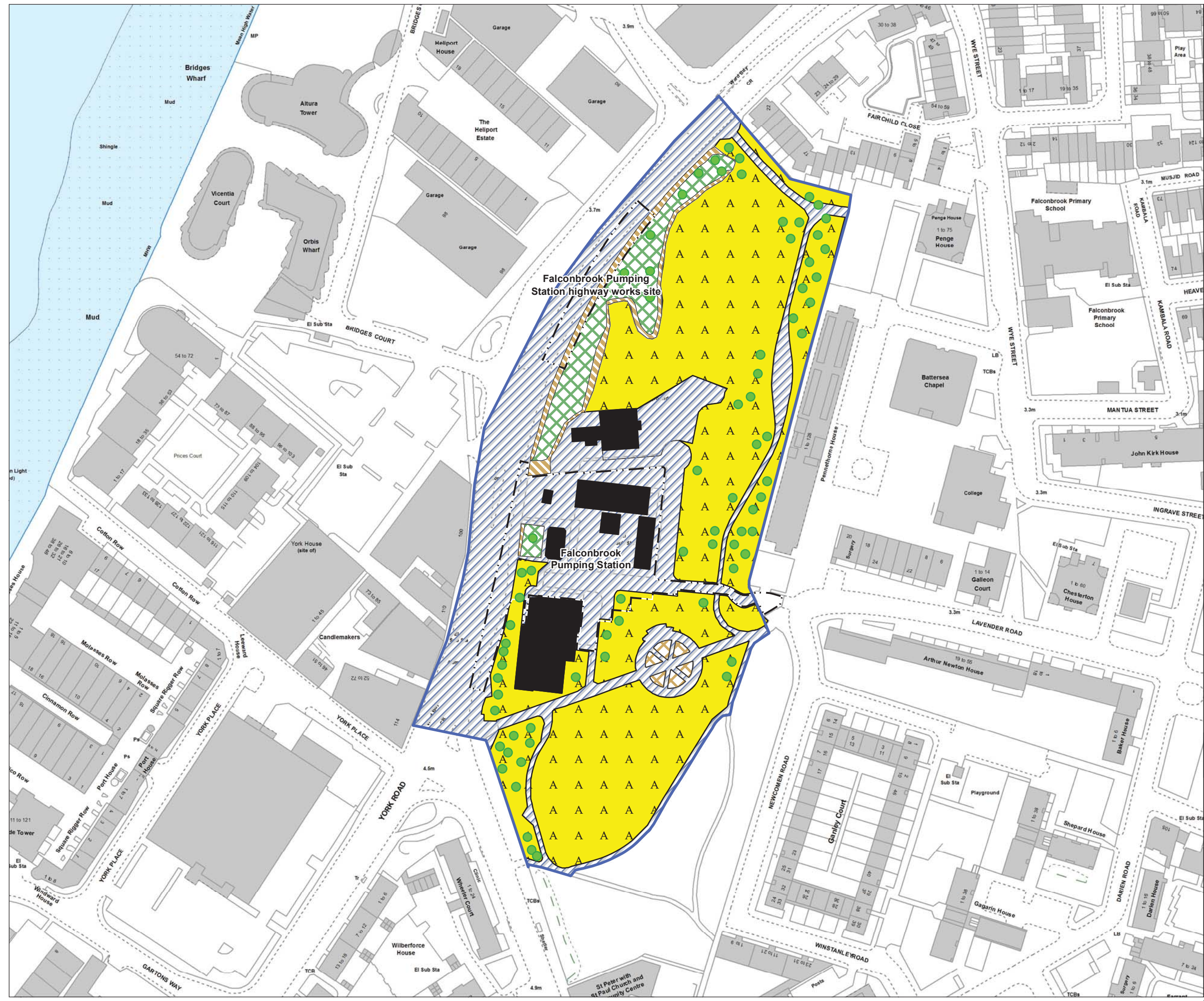
Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Terrestrial ecology - designated sites

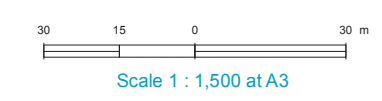
Vol. 11 Figure 6.4.1
1PL03-TE-40119
January 2013



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- Key**
- Limits of Land to be Acquired or Used
 - Survey Area
 - Cultivated/Disturbed Land - Introduced Shrub
 - Other - Tall Ruderal
 - Scrub - Dense/Continuous
 - A Cultivated/Disturbed Land - Amenity Grassland
 - Built-Up Areas - Buildings
 - Hard Standing
 - Tree



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Terrestrial ecology – Phase 1 Habitat Survey

Vol. 11 Figure 6.4.2
 1PL03-TE-40184
 January 2013

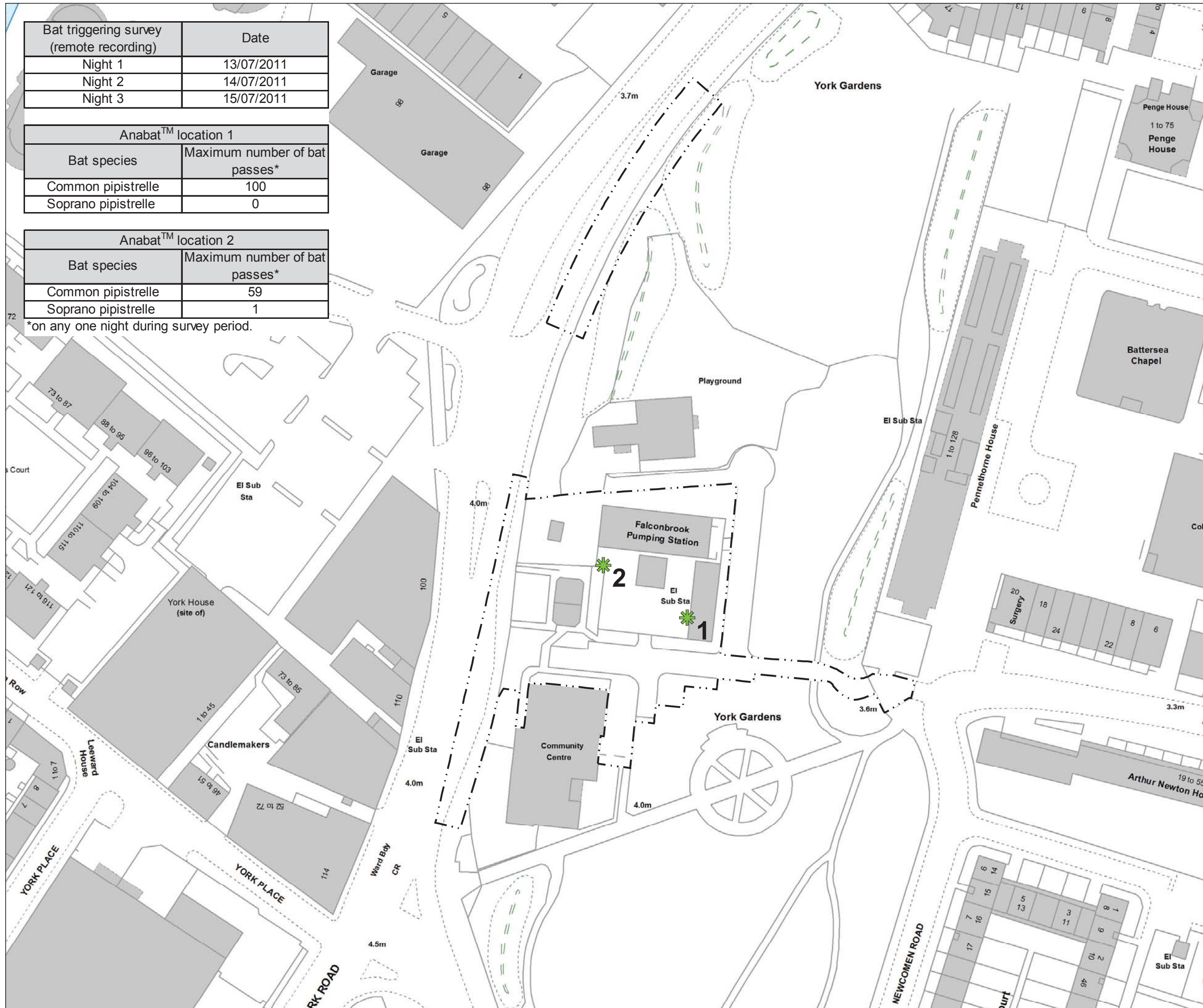


Bat triggering survey (remote recording)	Date
Night 1	13/07/2011
Night 2	14/07/2011
Night 3	15/07/2011

Anabat™ location 1	
Bat species	Maximum number of bat passes*
Common pipistrelle	100
Soprano pipistrelle	0

Anabat™ location 2	
Bat species	Maximum number of bat passes*
Common pipistrelle	59
Soprano pipistrelle	1

*on any one night during survey period.



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- Key
- Limits of Land
 - . - to be Acquired or Used
- Bat Triggering Survey (Remote Recording)
- * Anabat™ Location (1-2)



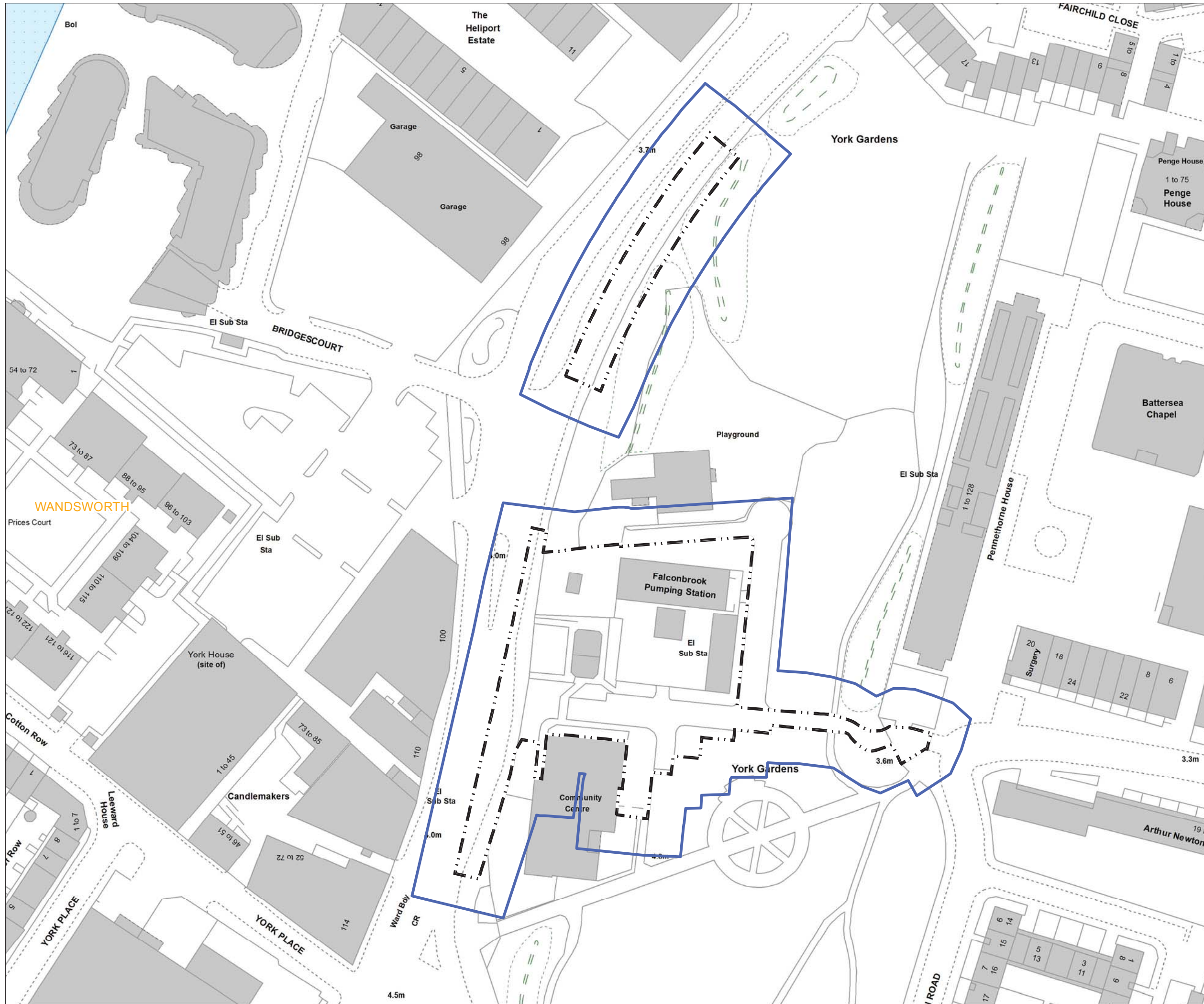
Scale 1 : 1,000 at A3

FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Terrestrial ecology – bat triggering (remote recording) survey
 Vol. 11 Figure 6.4.3
 1PL03-TE-40083
 January 2013



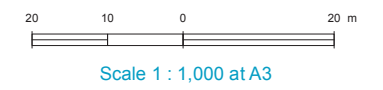


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- Key**
- - - Limits of Land
 - . - . to be Acquired or Used
 - ▭ Survey Area

Note:
No field signs recorded during survey.



FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Terrestrial ecology - invasive plant survey

Vol. 11 Figure 6.4.4
1PL03-TE-40206
January 2013



Keyplan:

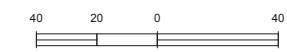


Key

- Limits of Land to be Acquired or Used
- Assessment Area
- Heritage Feature/Findspot
- Past Archaeological Investigation
- Bazalgette Sewer
- ▨ Heritage Feature

The reference numbers for historic environment features correspond to the descriptions in the 'Gazetteer of known heritage assets' in Environmental Statement Vol. 11 Appendix E.1

Note: Archaeological Priority Zones/Conservation Areas not shown



Scale 1 : 2,500 at A3

FOR INFORMATION

Location

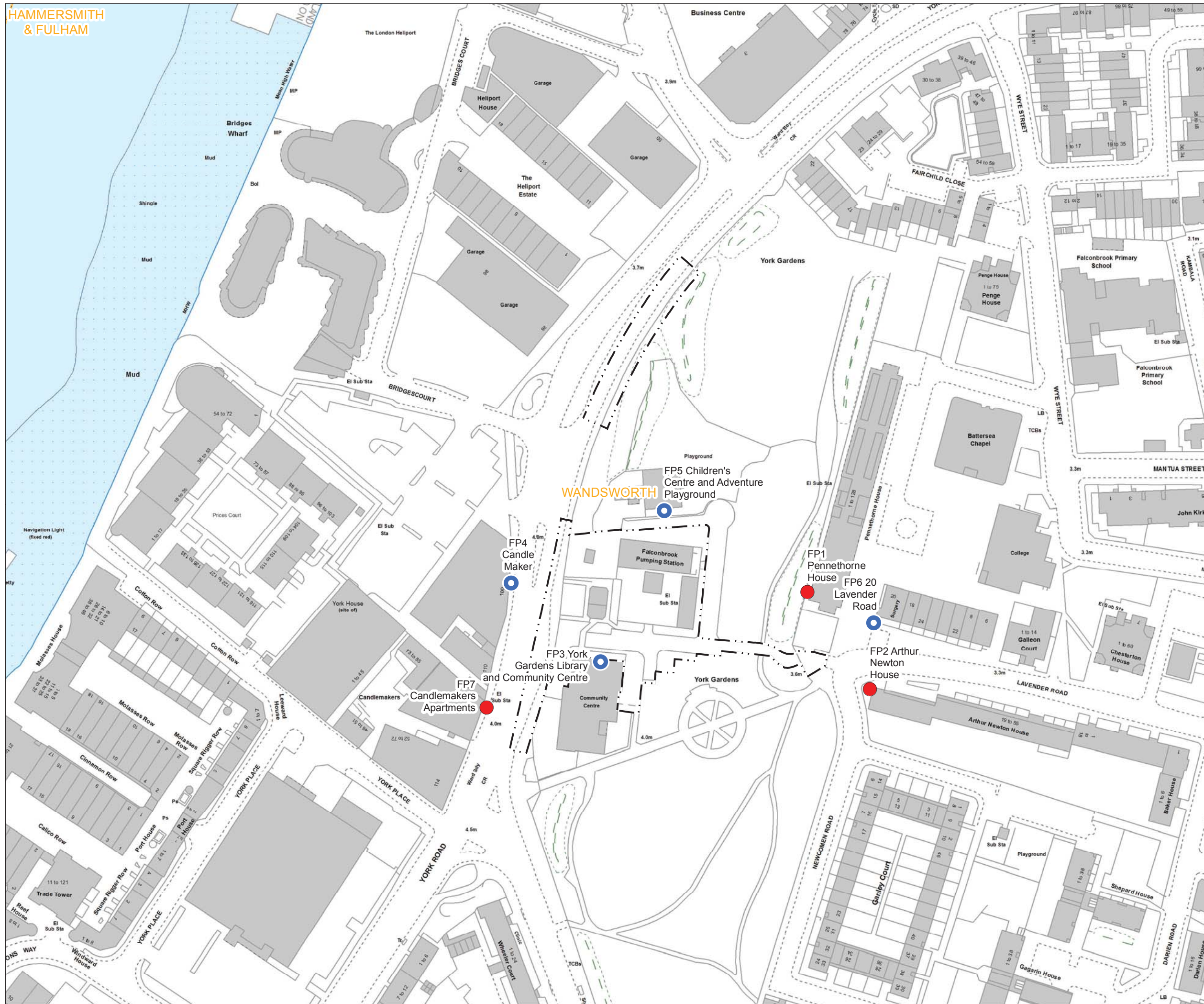
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

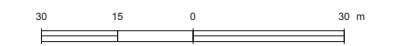
Historic environment -
historic environment features map
Vol.11 Figure 7.4.1

1PL03-HE-60075
January 2013



- Key**
- Limits of Land to be Acquired or Used
 - Local Authority Boundary
- Representative Receptor Locations:**
- Residential
 - Non-Residential

Note:
The receptors are selected on the basis that they are representative of sensitive land uses closest to the site.



Scale 1 : 1,500 at A3

FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Noise and vibration - receptor locations

Vol.11 Figure 9.4.1
1PL03-NV-40134
January 2013

Keyplan:



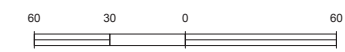
Key

- Limits of Land to be Acquired or Used
- York Gardens Playground
- Thames Path
- Receptors and Site Context Features

Receptors and Site Context Features

1. York Gardens
2. York Gardens Adventure Playground and One O'Clock Club
3. York Gardens Library
4. York Gardens Community Centre
5. York Gardens Playground
6. Candle Maker (Retailer and Wholesaler)
7. Lavender Road GP Surgery
8. Falconbrook Pumping Station
9. Meyrick Road Open Space

Note: Residential receptors have been identified on land use plans for this site.



Scale 1 : 3,000 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Socio-economics - context plan

Vol.11 Figure 10.4.1

1PL03-SE-20059

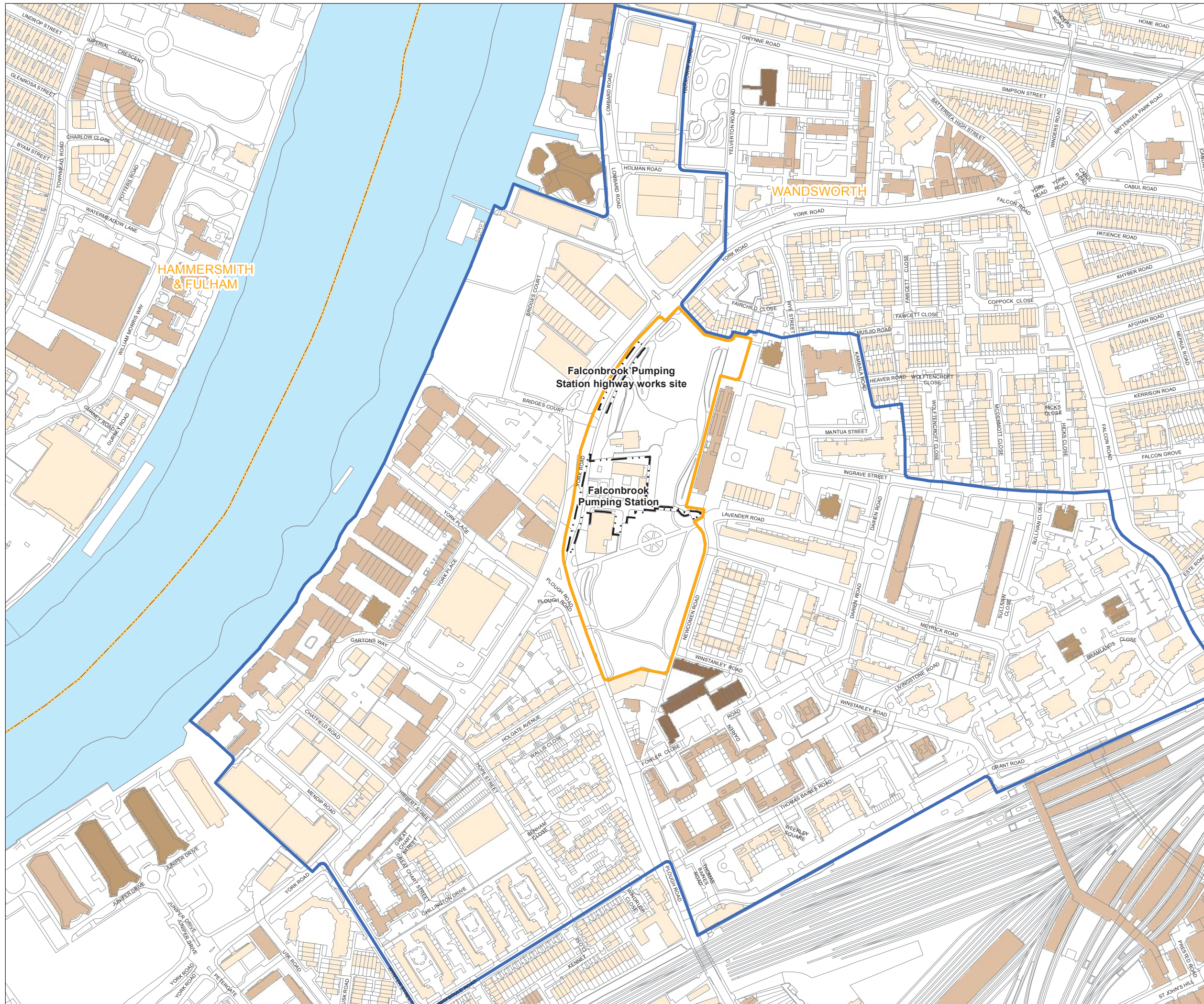
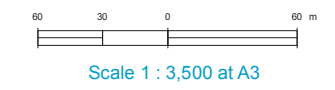
January 2013

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- Key:**
- Limits of Land to be Acquired or Used
 - Local Authority boundary
 - Extends of construction phase townscape assessment area
 - Extends of operational phase townscape assessment area
 - River Thames and tidal tributaries

- Building heights**
- 0 - 20m
 - 20 - 40m
 - 40 - 60m
 - 60 - 80m
 - 80 - 100m
 - >100m



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

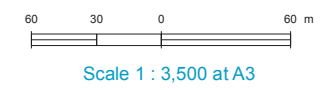
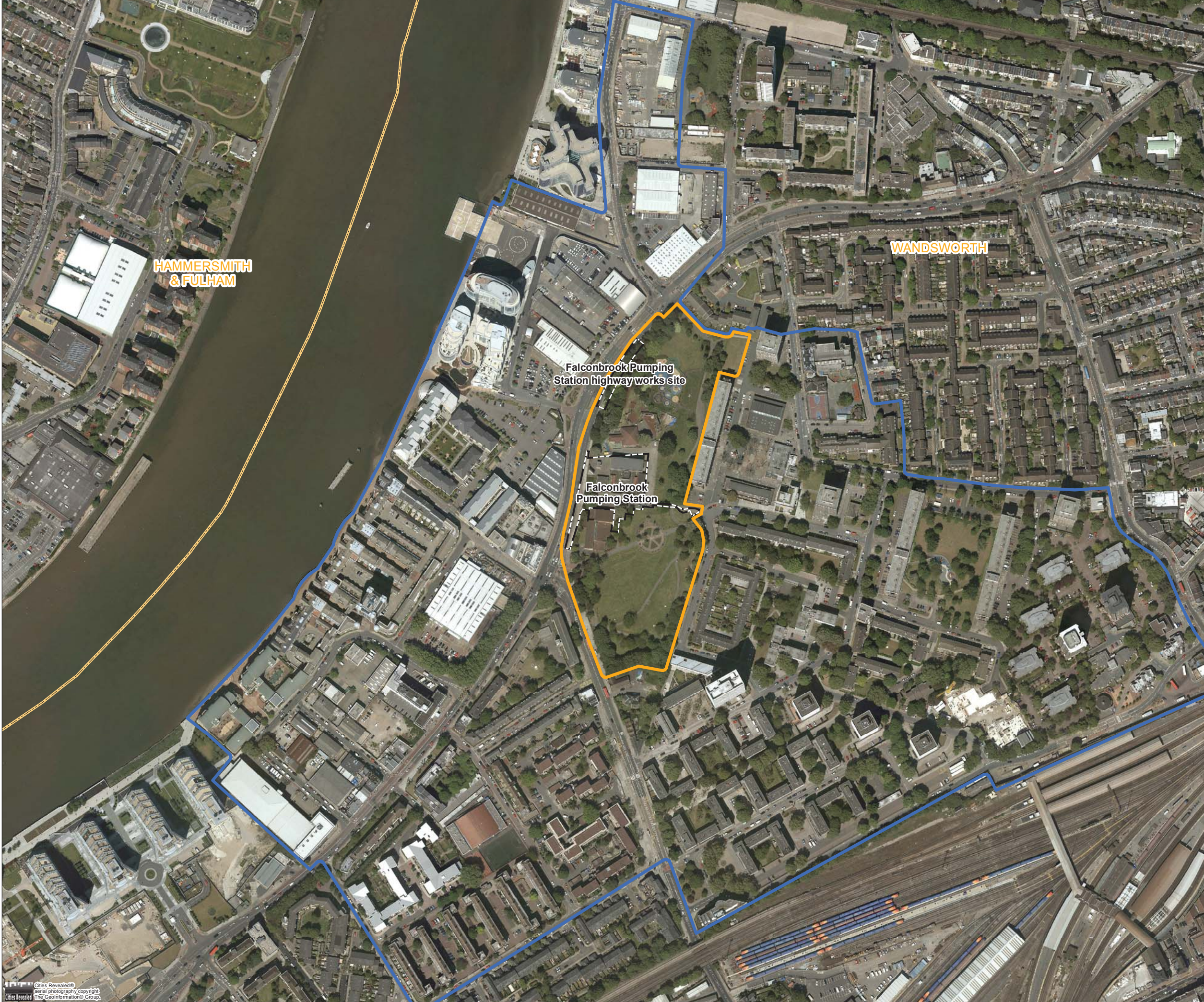
Document Information
Environmental Statement
 Townscape and visual
 Development pattern and scale
 Vol. 11 Figure 11.4.1
 1PL03-TS-40398
 January 2013



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- Key:
- Limits of Land to be Acquired or Used
 - Local Authority boundary
 - Extents of construction phase townscape assessment area
 - Extents of operational phase townscape assessment area



Scale 1 : 3,500 at A3

FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Townscape and visual
Aerial photo showing pattern of vegetation
Vol. 11 Figure 11.4.2
1PL03-TS-40399
January 2013

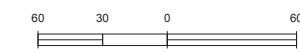
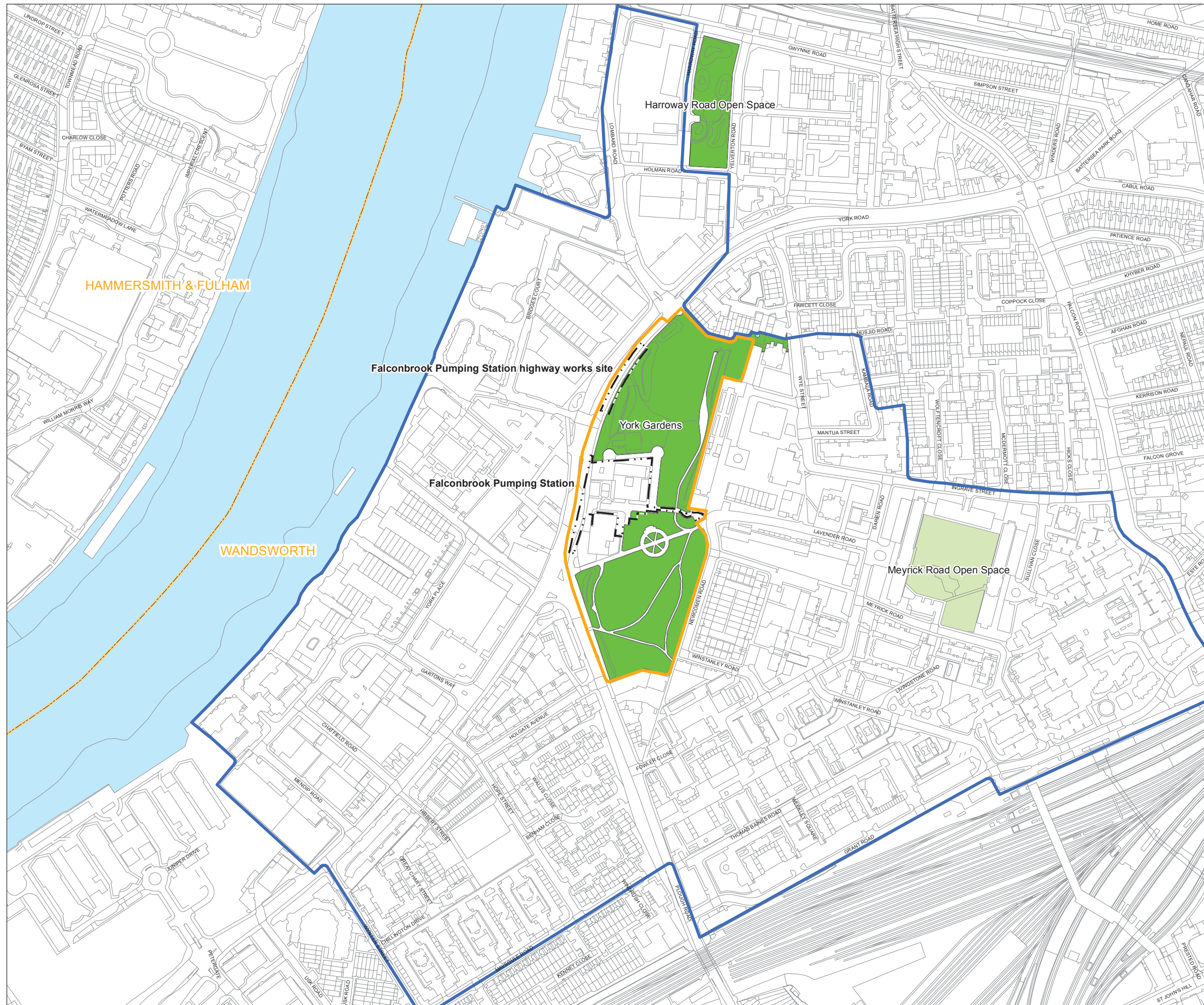


Keyplan:



Key:

- Limits of Land to be Acquired or Used
- Local Authority boundary
- Extents of construction phase townscape assessment area
- Extents of operational phase townscape assessment area
- Metropolitan Open Land
- Public open space
- Private open space
- River Thames and tidal tributaries



Scale 1 : 3,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Townscape and visual
Open spaces
Vol. 11 Figure 11.4.3
1PL03-TS-40400
January 2013



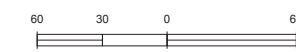
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Keyplan:



Key:

- Limits of Land to be Acquired or Used
- Local Authority boundary
- Extents of construction phase townscape assessment area
- Extents of operational phase townscape assessment area
- National Rail stations
- Provision for cyclists alongside busy roads
- London cycle routes
- Rail
- A roads
- River Thames and tidal tributaries



Scale 1 : 3,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Townscape and visual
Transport routes

Vol. 11 Figure 11.4.4

1PL03-TS-40401

January 2013

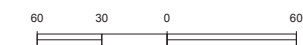
Thames Tideway Tunnel
Creating a cleaner, healthier River Thames





- Key:**
- Limits of Land
 - to be Acquired or Used
 - Local Authority boundary
 - Extents of construction phase townscape assessment area
 - Extents of operational phase townscape assessment area

The colour fills shown on the plan are used to differentiate between townscape character areas



Scale 1 : 3,500 at A3

FOR INFORMATION

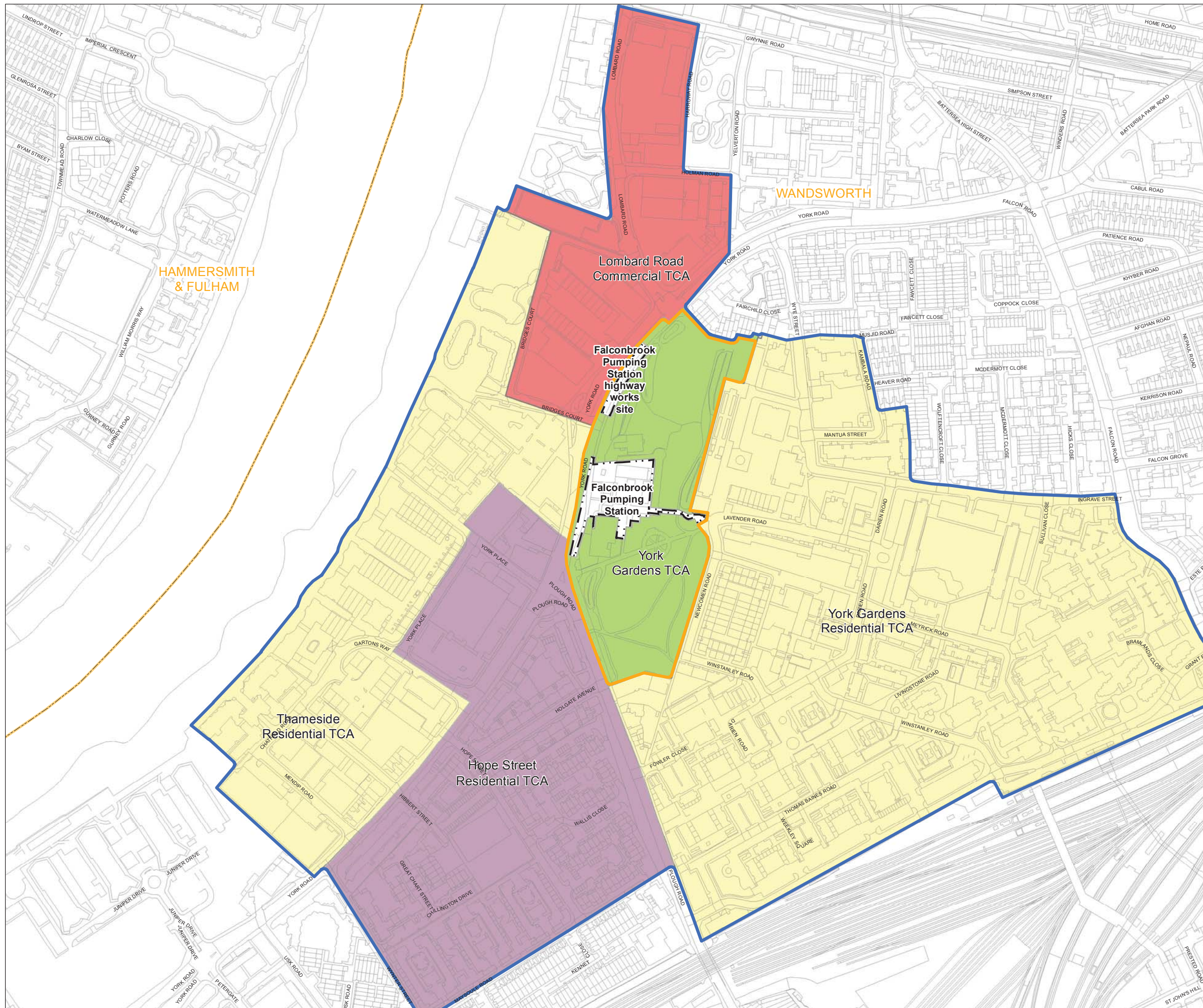
Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Townscape and visual
Townscape character areas
Vol. 11 Figure 11.4.5
1PL03-TS-40402
January 2013



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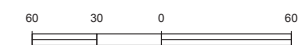
Keyplan:



Key:

The zone of theoretical visibility (ZTV) is a computer generated model which indicates the theoretical visibility of the construction works (including cranes) and operational structures. As described in Volume 2 the ZTV is a starting point for defining the assessment area and for informing the assessment of likely significant effects. Theoretical visibility does not necessarily mean a location would be subject to adverse effects.

- Limits of Land
- - - to be Acquired or Used
- Local Authority boundary
- Visual assessment points
- Construction phase ZTV
- Operational phase ZTV
- River Thames and tidal tributaries



Scale 1 : 3,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

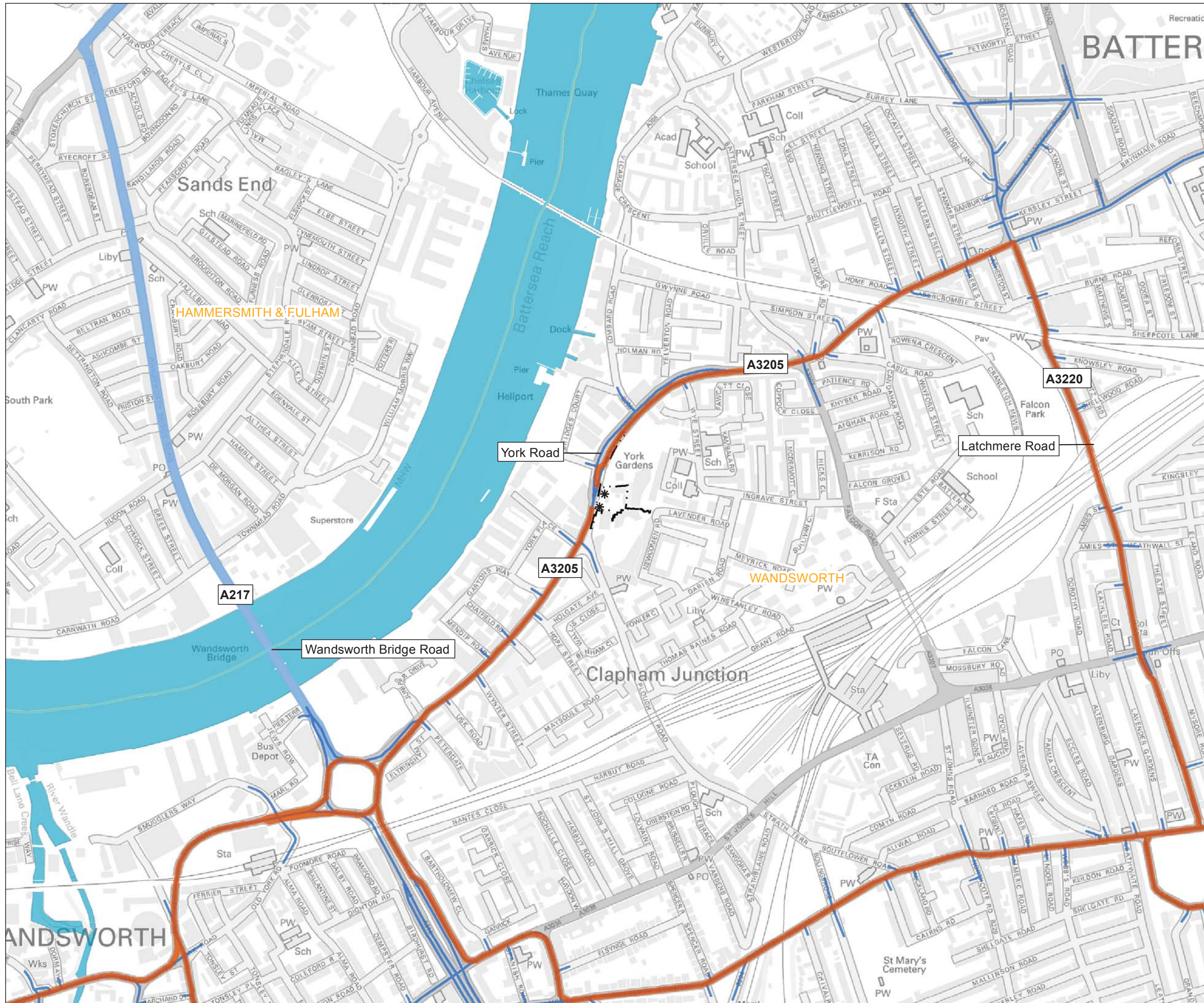
Environmental Statement

Townscape and visual
Viewpoints
Vol. 11 Figure 11.4.6

1PL03-TS-40403
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames

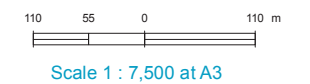




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- Key**
- * Site access
 - TFL road network
 - Strategic road network
 - Primary construction route
 - Limits of Land to be Acquired or Used
 - Local authority boundary



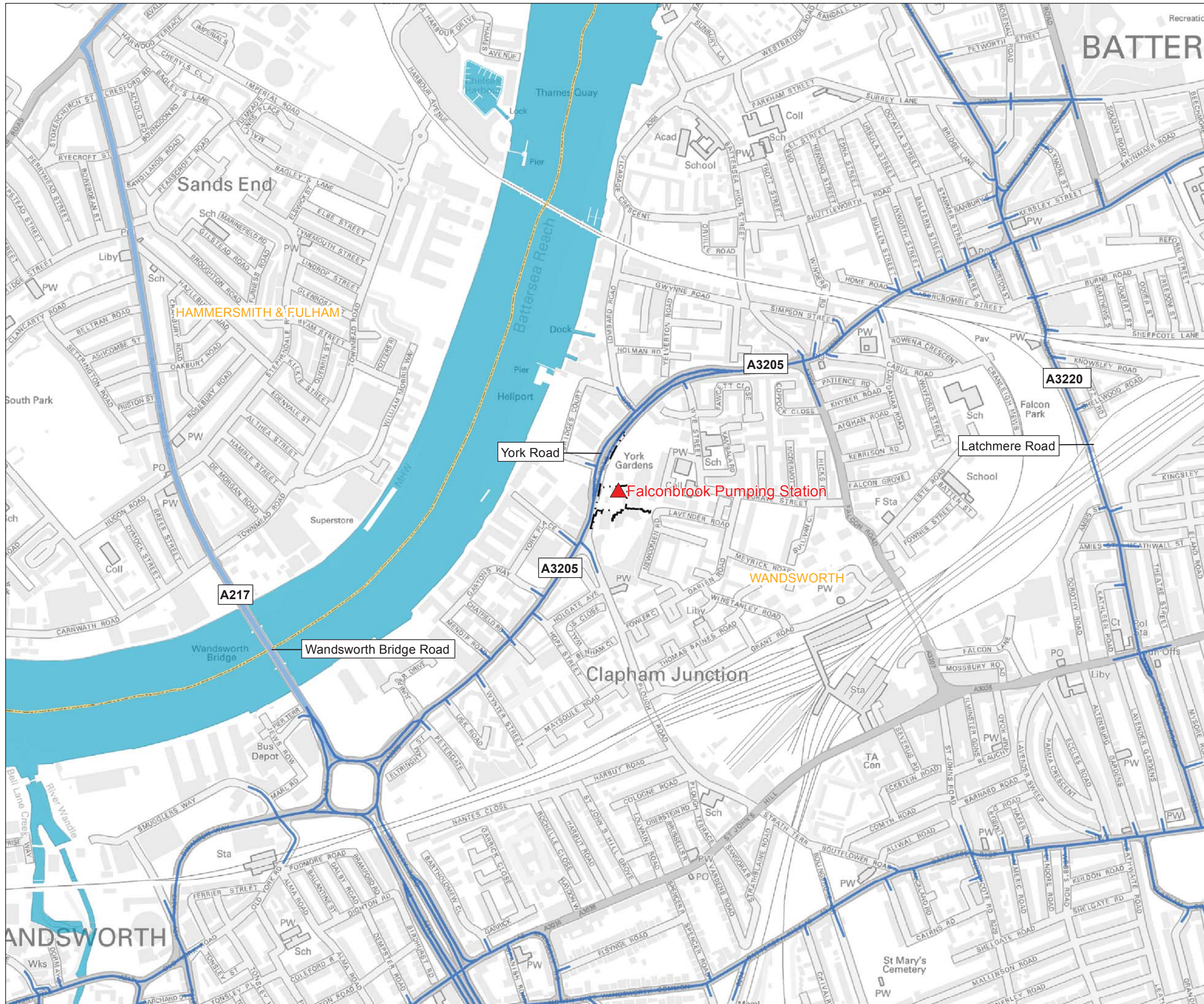
FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Transport - construction traffic routes

Vol.11 Figure 12.2.1
 1PL03-TT-50502
 January 2013

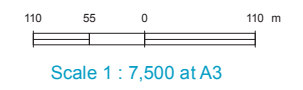




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- Key**
- Pumping station
 - TFL road network
 - Strategic road network
 - Limits of Land to be Acquired or Used
 - Local authority boundary



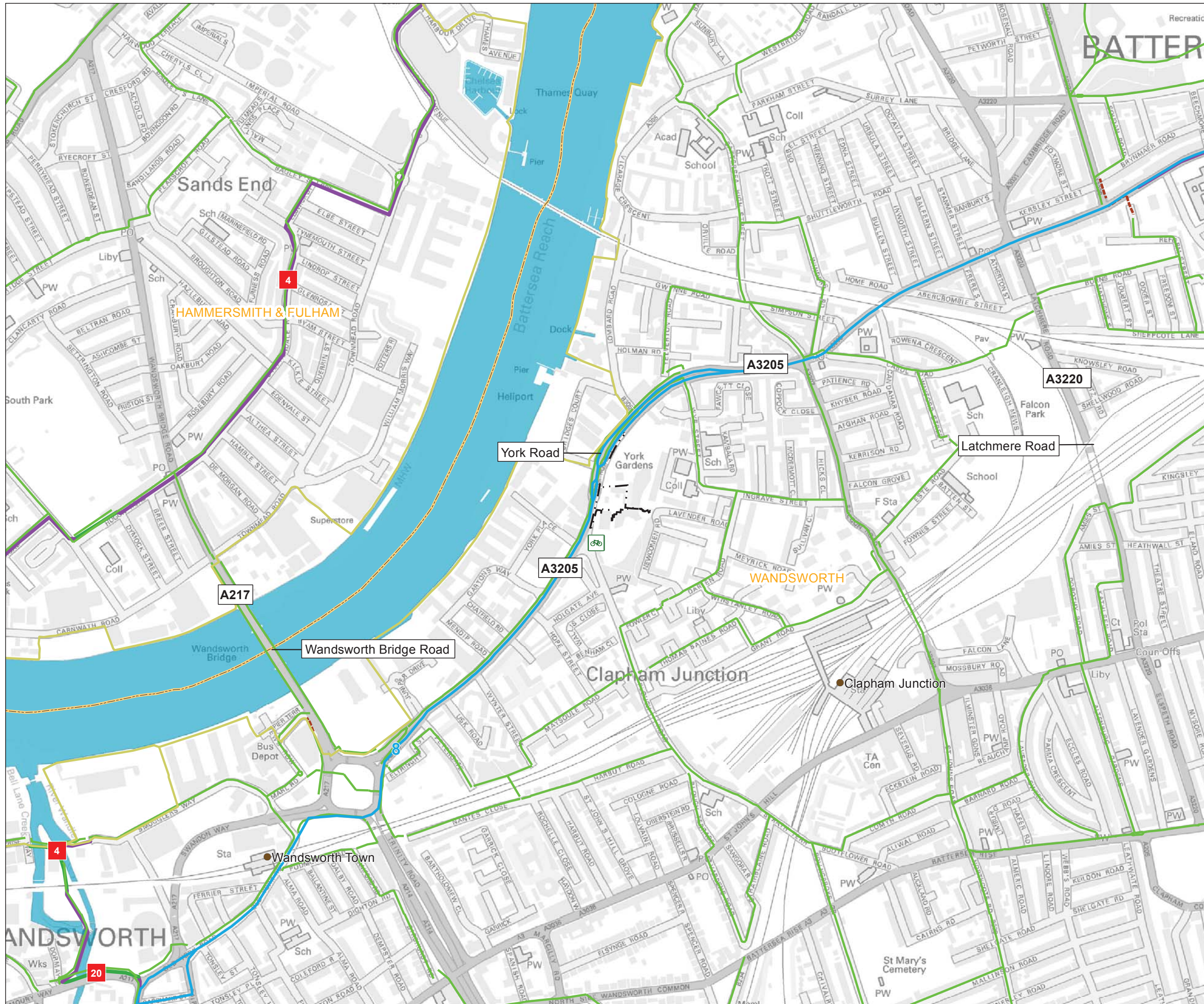
FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Transport - site location plan

Vol.11 Figure 12.4.1
 1PL03-TT-50510
 January 2013

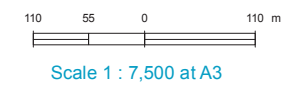




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- Key**
- Cycle parking
 - National rail stations with cycle parking
 - London cycle routes
 - London strategic walk network
 - Cycle superhighway (open)
 - Pedestrian routes
- National cycle network**
- Route Type**
- Open Traffic Free
 - Open on-road
 - Limits of Land to be Acquired or Used
 - Local authority boundary



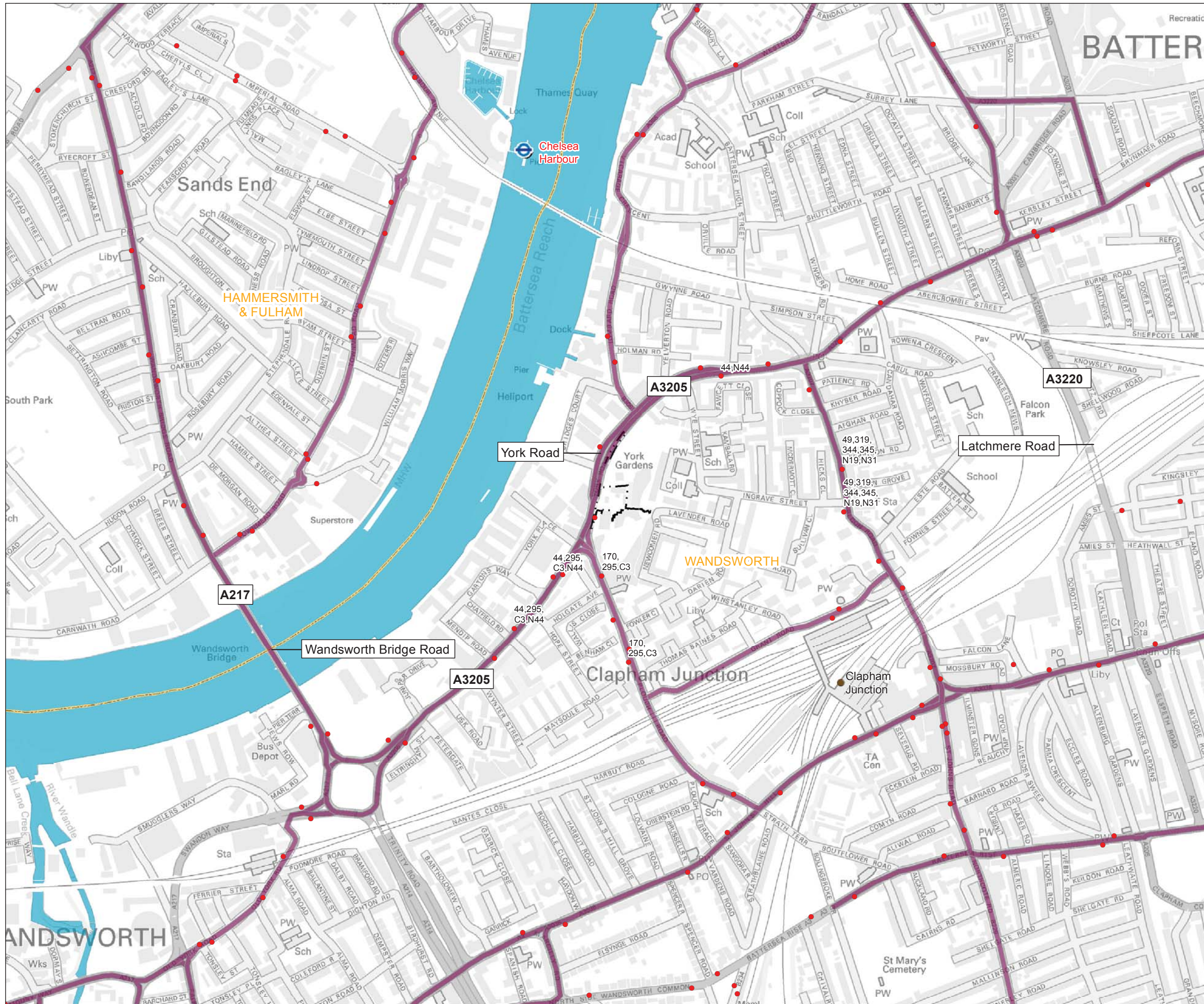
FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Transport - pedestrian and cycle network

Vol.11 Figure 12.4.2
 1PL03-TT-50518
 January 2013

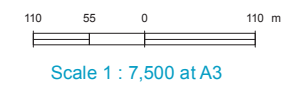




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- Key**
- TFL bus stops
 - ⊕ Pier locations
 - National rail stations
 - TfL bus routes
 - Limits of Land to be Acquired or Used
 - Local authority boundary



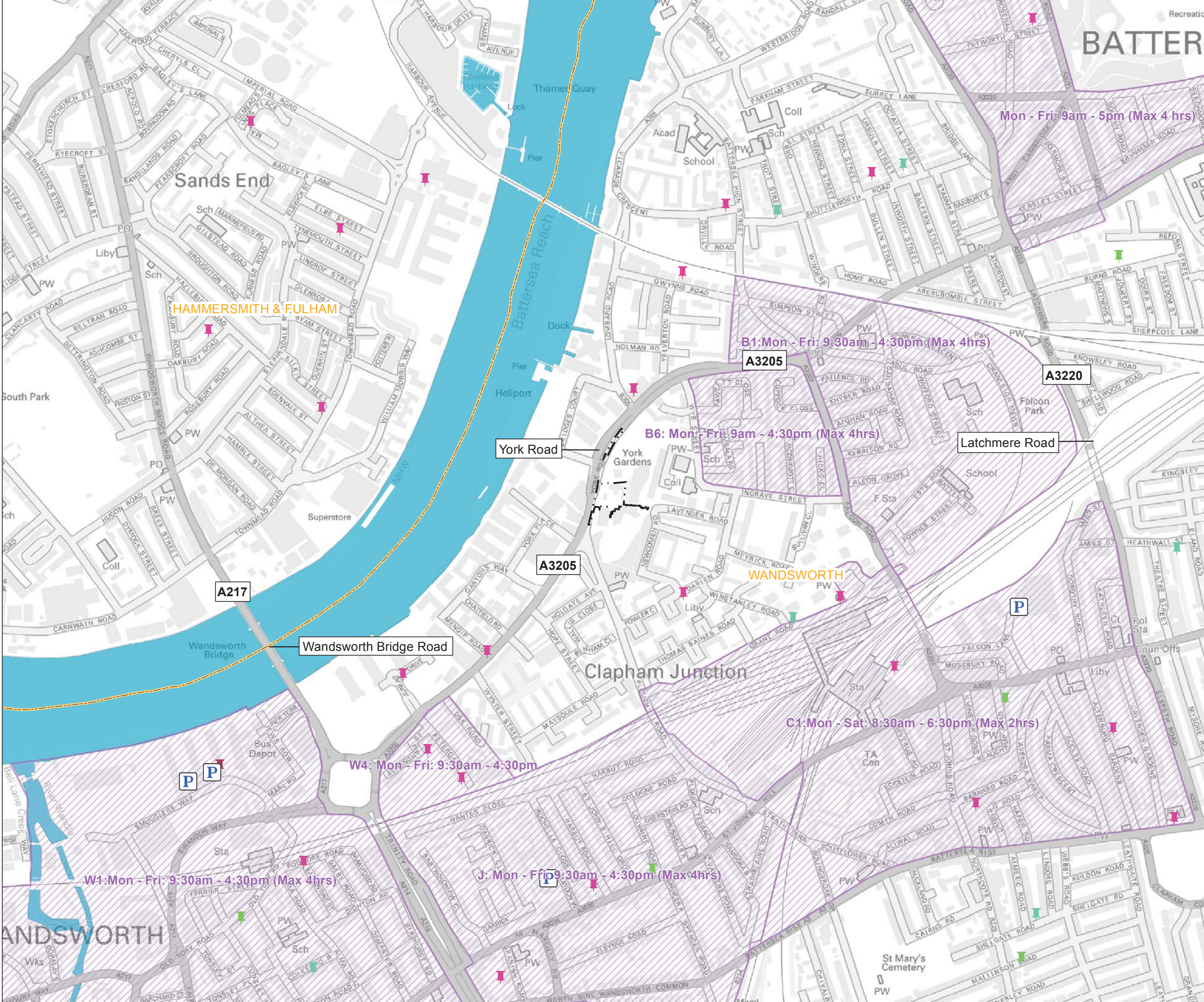
FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

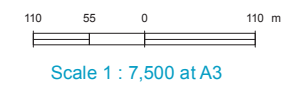
Document Information
Environmental Statement
 Transport - public transport

Vol.11 Figure 12.4.3
 1PL03-TT-50526
 January 2013





- Key**
- City Car
 - Green Wheels
 - Hertz on Demand
 - Zip Car
 - Private car parking
 - Controlled Parking Zones and Hours of Operation
 - Limits of Land to be Acquired or Used
 - Local authority boundary



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

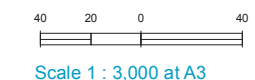
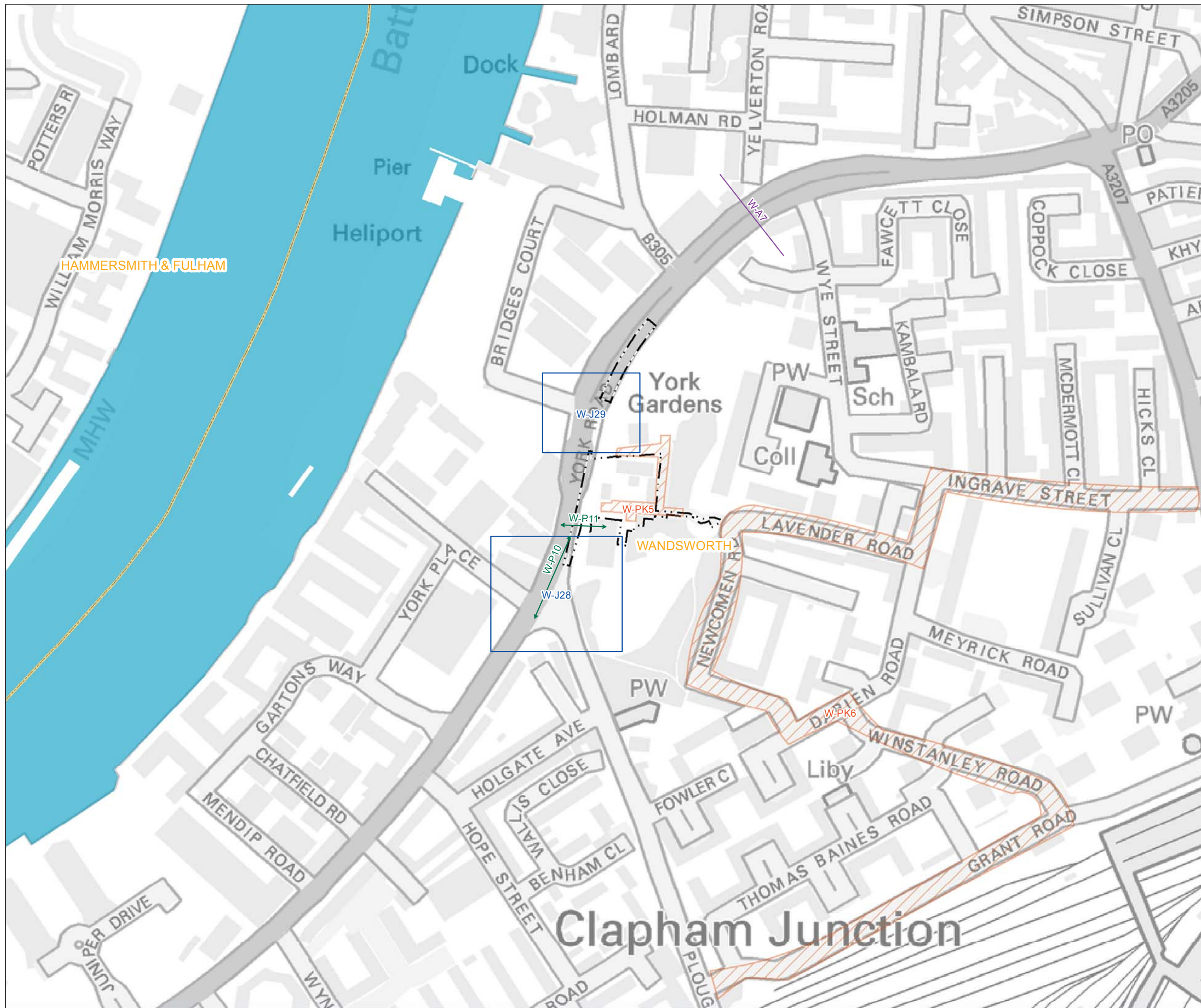
Document Information
Environmental Statement
 Transport - parking

Vol.11 Figure 12.4.4
 1PL03-TT-50534
 January 2013





- Key**
- Automatic traffic count surveys
 - Pedestrian and cycle surveys
 - Junction surveys
 - Parking surveys
 - Limits of Land to be Acquired or Used
 - Local authority boundary



FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

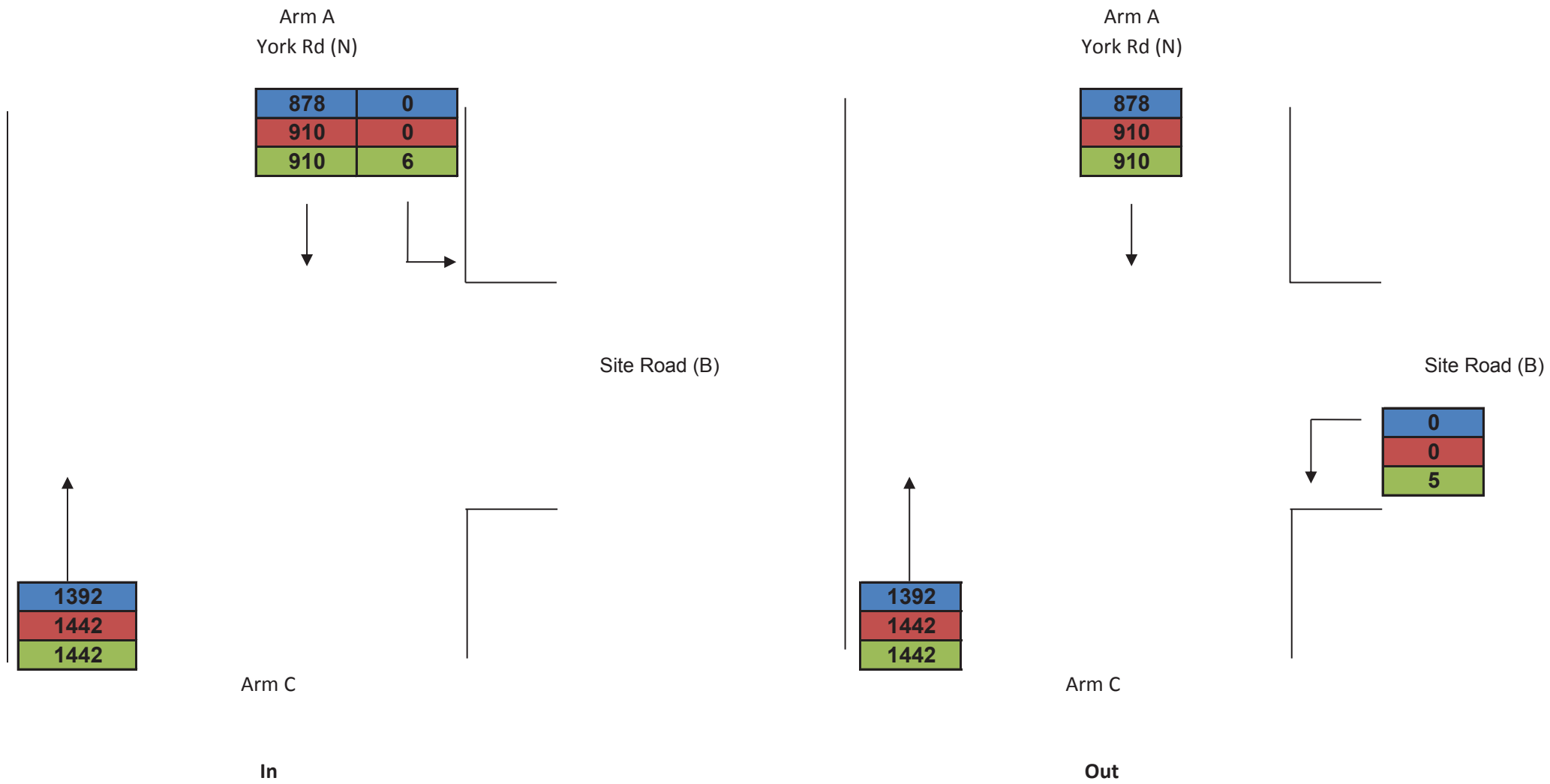
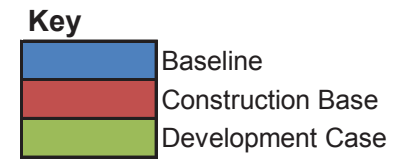
Document Information
Environmental Statement
Transport - survey locations

Vol.11 Figure 12.4.5
1PL03-TT-50542
January 2013



Site: Falconbrook
 Borough: Wandsworth
 Junction: York Rd/ Site Access
 Junction no.: PBA 21

Data: Traffic Flow in PCUs - AM Peak Hour
 from Traffic Survey



FOR INFORMATION

Location
 Falconbrook PS
 London Borough of Wandsworth

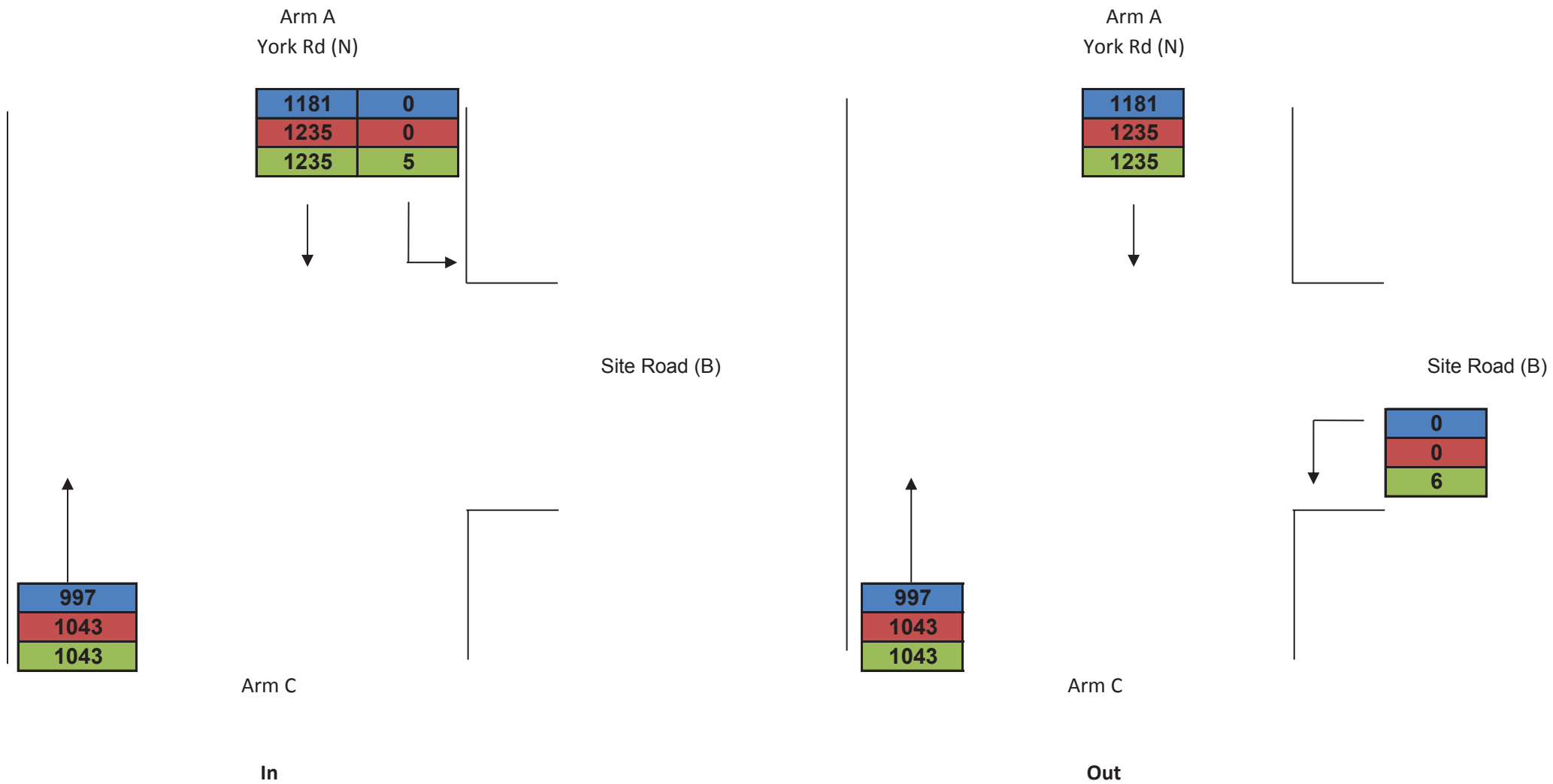
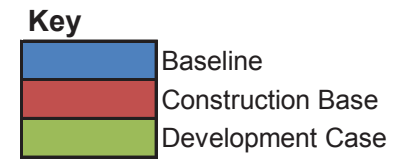
Document Information
 Environmental Statement

Baseline, Construction and Development case traffic flow (AM peak hour)

Vol. 11 Figure 12.4.6
 1PL03-TT-50873
 January 2013

Site: Falconbrook
 Borough: Wandsworth
 Junction: York Rd/ Site Access
 Junction no.: PBA 21

Data: Traffic Flow in PCUs - PM Peak Hour
 from Traffic Survey



FOR INFORMATION

Location
 Falconbrook PS
 London Borough of Wandsworth

Document Information
 Environmental Statement

Baseline, Construction and Development case traffic flow (PM peak hour)

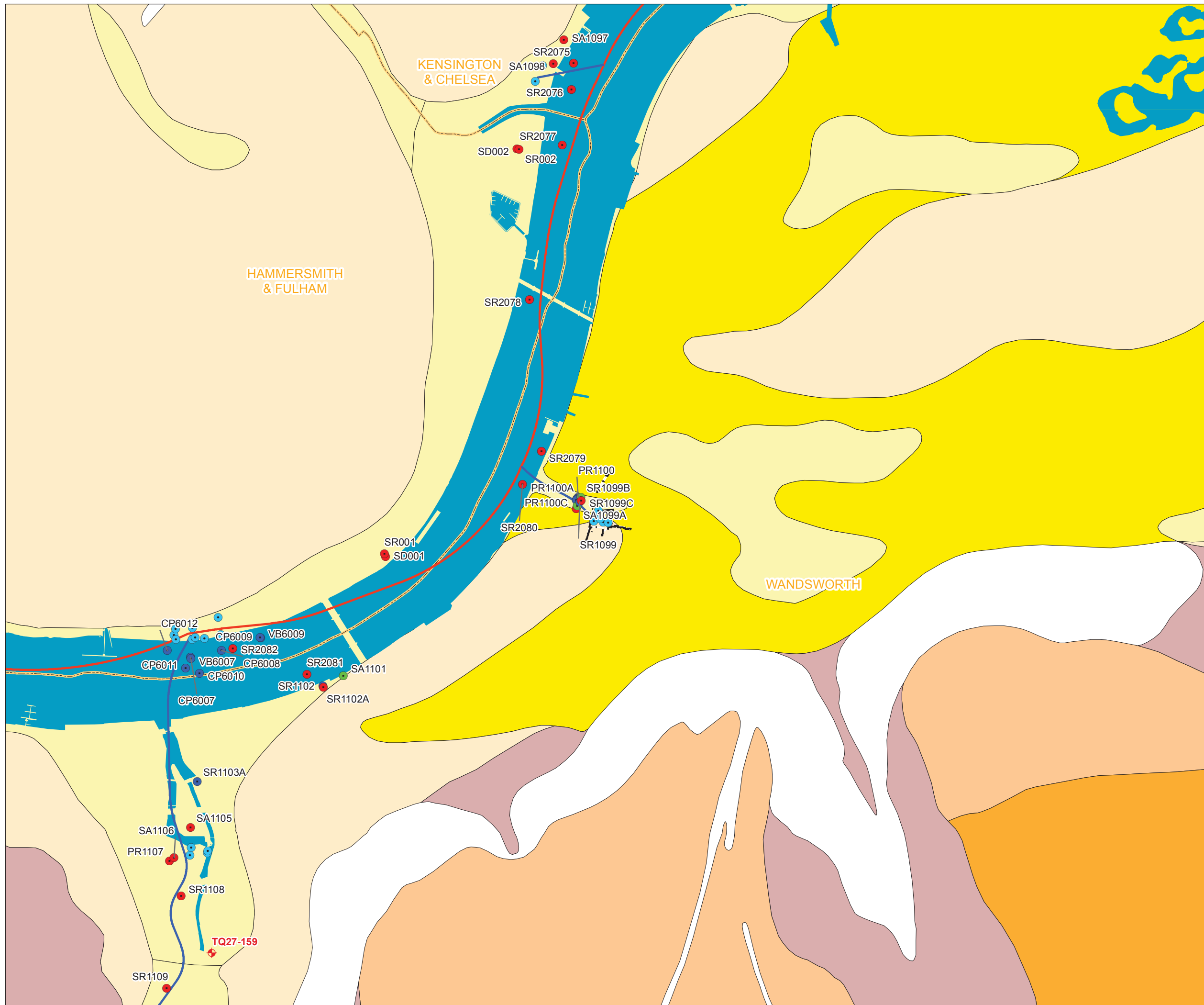
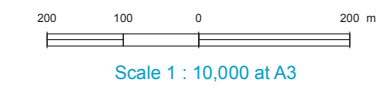
Vol. 11 Figure 12.4.7
 1PL03-TT-50897
 January 2013



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- Key**
- Limits of Land to be Acquired or Used
 - Thames Tideway Tunnel
 - Main Tunnel
 - Connection Tunnel
 - Local Authority Boundary
 - Drilled Boreholes
 - 0 - 10
 - 10 - 30
 - 30+
 - Land
 - EA Groundwater Level Monitoring Locations
 - ⊕ Recent Data Available
 - Superficial Geology
 - Head
 - Alluvium
 - Kempton Park Gravel Member
 - Langley Silt Member
 - Lynch Hill Gravel Member
 - Hackney Gravel Member



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Water resources – groundwater - superficial geology
 Vol.11 Figure 13.4.1
 1PL03-WR-20131
 January 2013



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Keyplan:



Key

--- Limits of Land to be Acquired or Used

Thames Tideway Tunnel

— Main Tunnel

— Connection Tunnel

Local Authority Boundary

Drilled Boreholes

Depth (m)

● 0 - 10

● 10 - 30

● 30+

Proposed Boreholes

● Land

EA Groundwater Level Monitoring Locations

⊕ Recent Data Available

— EA Chalk Piezometric Level (mATD) - Jan 11

Solid Geology

London Clay Formation

200 100 0 200 m

Scale 1 : 10,000 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Water resources – groundwater - superficial geology

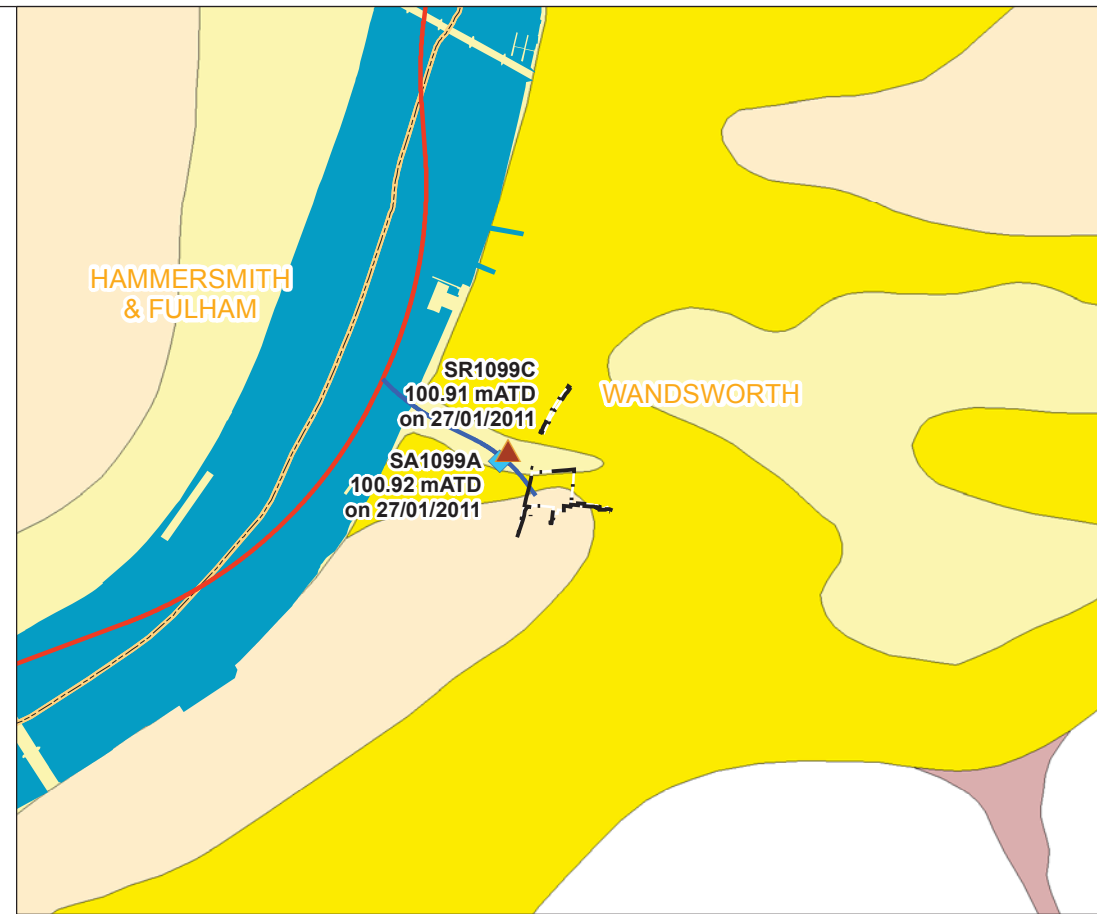
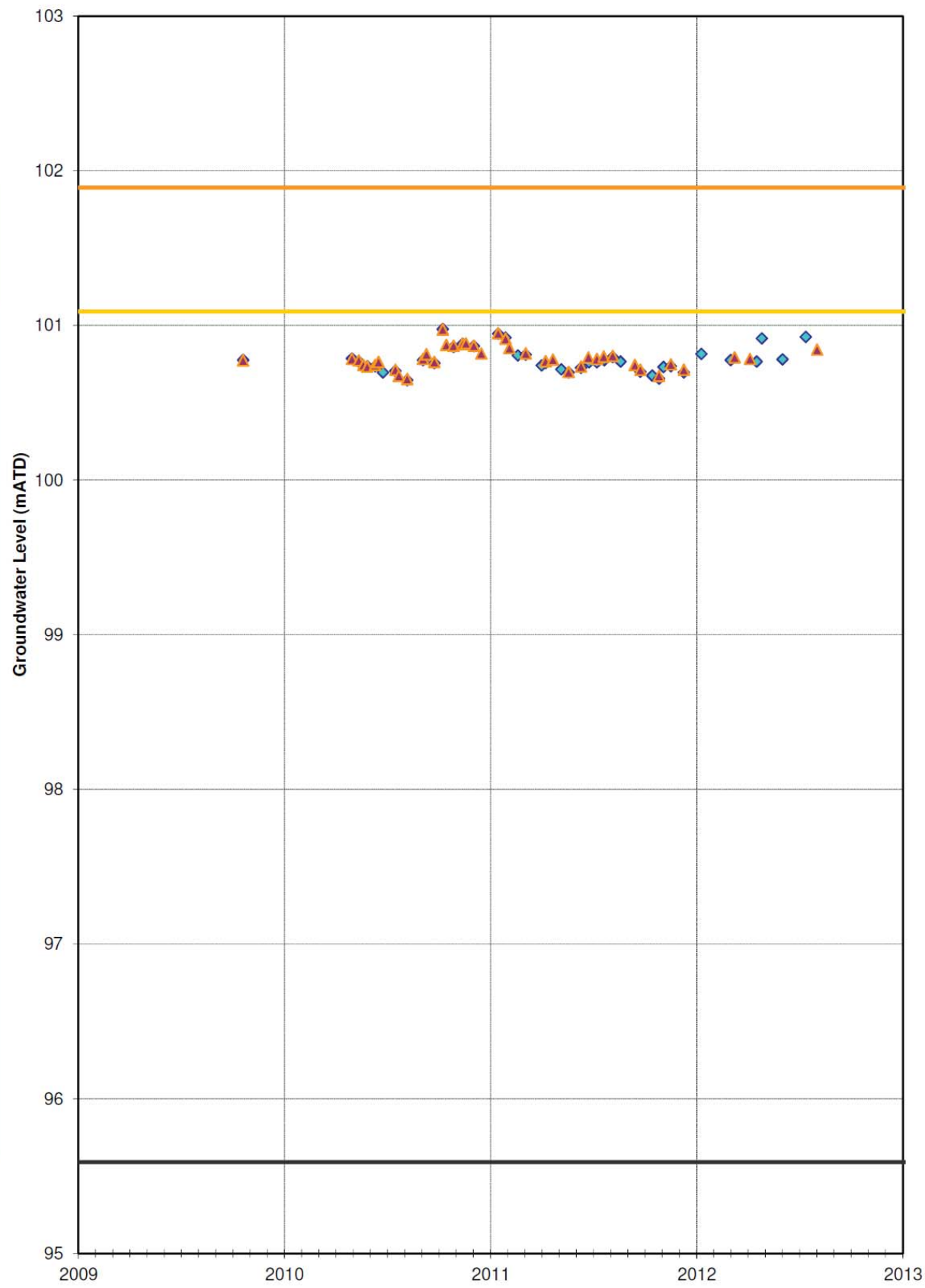
Vol.11 Figure 13.4.2

1PL03-WR-20132

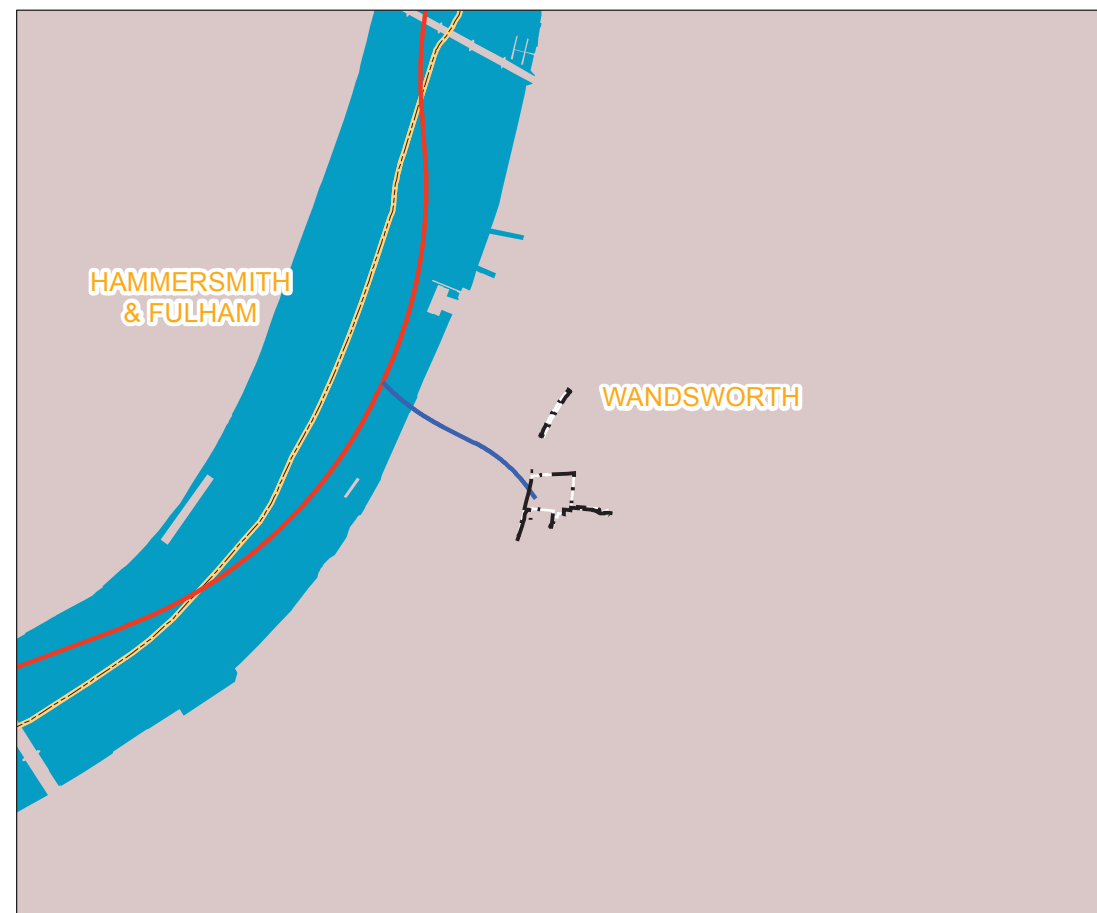
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames





Upper aquifer monitoring locations

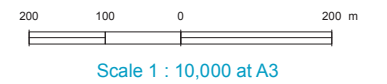


Lower aquifer monitoring locations

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- Key
- Limits of Land to be Acquired or Used
 - Thames Tideway Tunnel
 - Main Tunnel
 - Connection Tunnel
 - Local Authority Boundary
 - Drilled Boreholes Upper Aquifer Water Levels
 - SA1099A
 - SR1099C
 - Superficial Geology
 - Head
 - Alluvium
 - Kempton Park Gravel Member
 - Langley Silt Member
 - Solid Geology
 - London Clay Formation

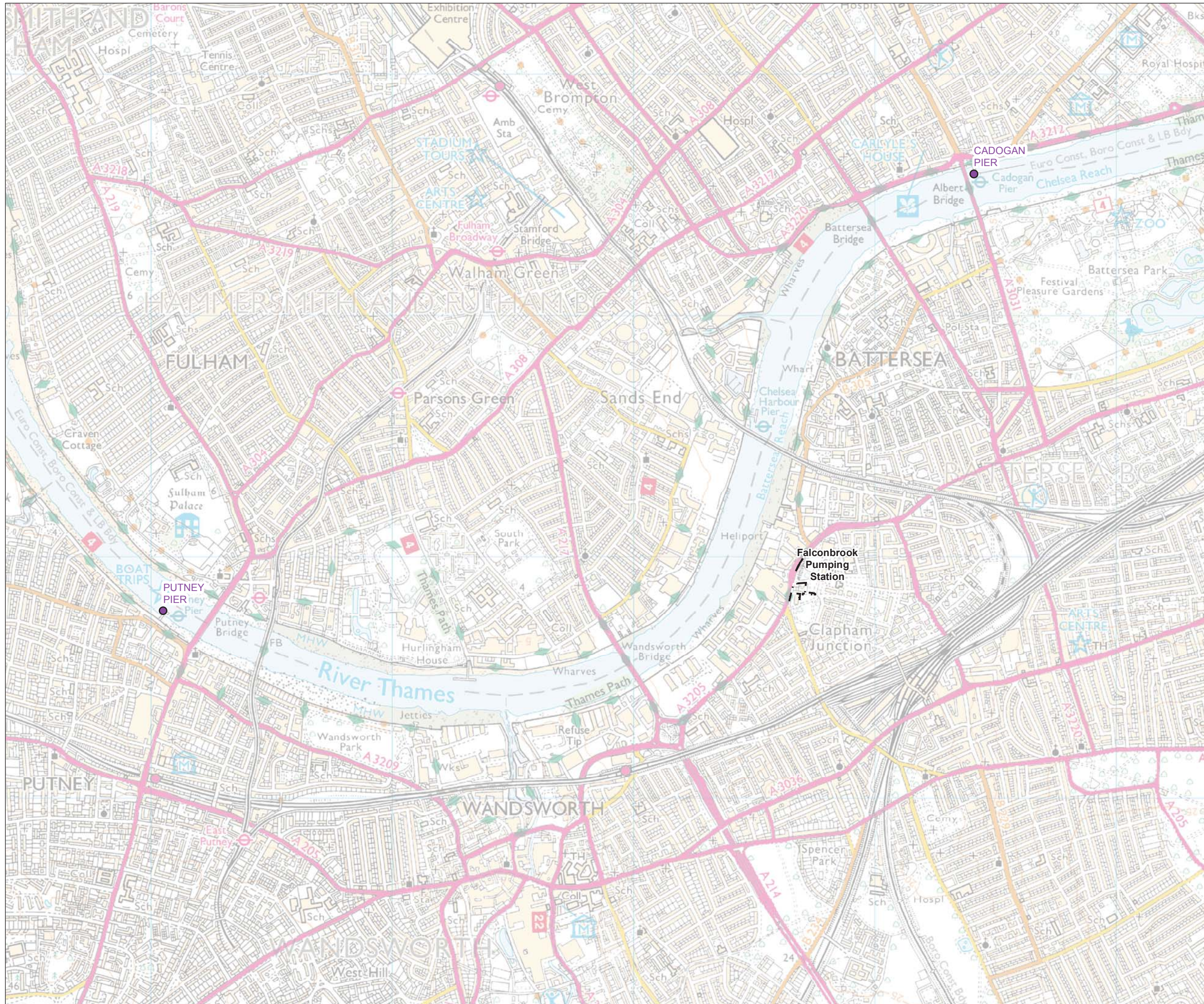


FOR INFORMATION

Location
Falconbrook Pumping Station
London Borough of Wandsworth

Document Information
Environmental Statement
Water resources – groundwater - monitoring locations
Vol.11 Figure 13.4.3
1PL03-WR-20133
January 2013

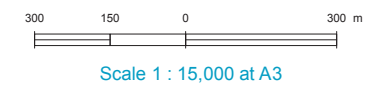




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- Key
- Limits of Land to be Acquired or Used
 - Automatic Quality Monitoring Station Locations

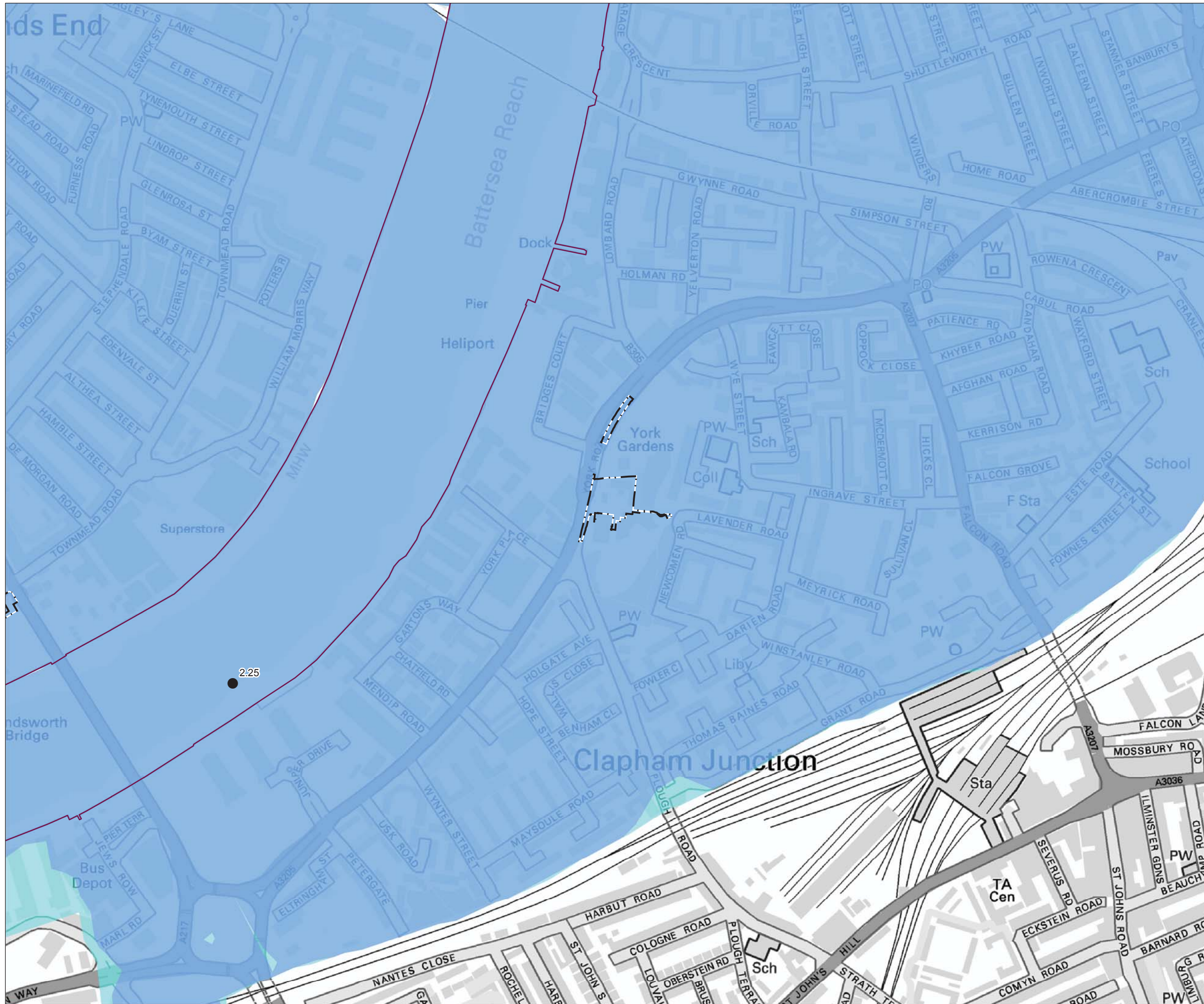


FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Water resources - surface water - water quality monitoring points
 Vol.11 Figure 14.4.1
 1PL03-WR-21008
 January 2013





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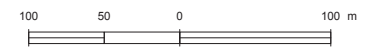
Keyplan:



Key

- Limits of Land to be Acquired or Used
- Water Level Node
- Thames Tidal Defences
- EA Flood Zone 3
- EA Flood Zone 2

Note: Water Level Node - Thames Tidal Joint Probability Extreme Water Levels 2008



Scale 1 : 5,000 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

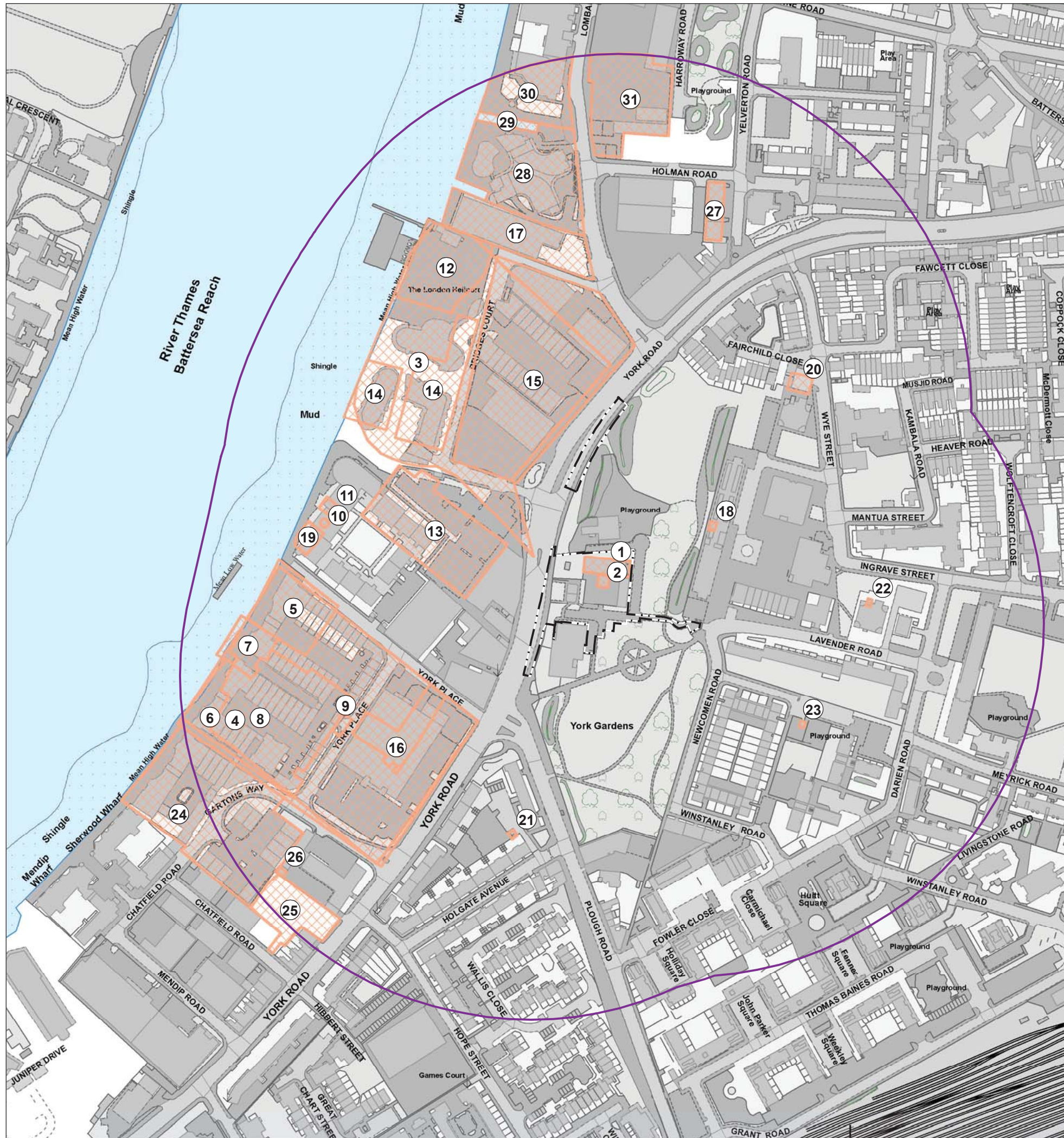
Environmental Statement
Flood risk - EA flood zones

Vol.11 Figure 15.3.1

1PL03-FL-20135
January 2013

Thames Tideway Tunnel
Creating a cleaner, healthier River Thames



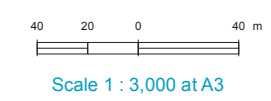


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Ref	Item	Inferred date of operation
On-site		
1	(a) Pumping station	c1905-c1970
	(b) Falconbrook Pumping Station	c1970-present
2	Electrical substation	c1973-present
Off-site		
3	(a) Belmont Works (candle and soap)	c1869-c1955
	(b) Grove Works	c1896
	(c) Saw mill	c1896
	(d) Tanks	c1916-c1973
4	(a) Silk manufactory	c1869-c1874
	(b) Starch and glucose factory	c1973
5	Engineering works	c1896
6	Saccharin works	c1896
7	Southampton Wharf	c1896-c1984
8	(a) Sugar works	c1916-c1949
	(b) Glucose works and associated tanks	c1950-c1963
	(c) Works	c1967-c1975
9	Electrical substation	c1950-c1973
10	Tank	c1950-c1963
11	Tank	c1950-c1989
12	Heliport	c1963-present
13	Garage	c1963-c1989
14	Group of warehouses	c1963-c1989
15	Works	c1963-c1975
16	Works	c1963
17	(a) Paint works	c1916-c1955
	(b) Works	c1963-c1978
	(c) Warehouse	c1986-c1989
18	Electrical substation	c1973-c1989
19	Candle factory	c1973-c1989
20	Electrical substation	c1973-c1989
21	Electrical substation	c1973-present
22	Electrical substation	c1989-present
23	Electrical substation	c1989-present
24	(a) Works	c1949-c1967
	(b) Steel construction works	c1950-c1951
25	Tin box factory	c1951
26	Electrical substation	c1972-c1989
27	Works	c1986-c1989
28	(a) Falcon Wharf	c1898
	(b) Council yard depot	c1965-c1986
29	Dock	c1896
30	(a) Chemical works	c1896-c1920
	(b) Builders Yard	c1978
31	(a) Chemical works	c1896
	(b) Electricity works	c1950-c1965
	(c) Works	c1965-c1986

- Key**
- Limits of Land
 - - - to be Acquired or Used
 - Limit of Land 250m Buffer
 - ▨ Potentially Contaminating Land-Uses



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Land quality - potentially contaminating land-uses
 Vol.11 Figure F.1.1
 1PL03-LQ-30123
 January 2013



Keyplan:



Key

Drilled Boreholes

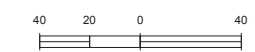
Depth (m)

- 0 - 10
- 10 - 30
- 30+

--- Limits of Land

--- to be Acquired or Used

▭ Limit of Land 250m Buffer



Scale 1 : 3,000 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Land quality - borehole locations

Vol.11 Figure F.1.2

1PL03-LQ-30121

January 2013

Keyplan:



Key

- Limits of Land
- - - to be Acquired or Used
- ▭ Limit of Land 250m Buffer

Waste

- Licensed Waste Management Facilities
- ▲ Past Potential Contaminated Industrial Uses

Hazards

- Pollution Incidents to Controlled Waters
- LA Pollution Prevention & Controls
- ▲ Past Potentially Contaminated Industrial Uses



Scale 1 : 3,000 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Land quality - hazard and waste sites

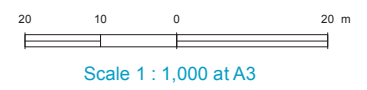
Vol.11 Figure F.1.3

1PL03-LQ-30122

January 2013



- Key
- Limits of Land
 - to be Acquired or Used
- Noise Survey Locations
- Attended
 - Unattended



FOR INFORMATION

Location
Falconbrook Pumping Station
 London Borough of Wandsworth

Document Information
Environmental Statement
 Noise and vibration - noise survey locations




Vol.11 Figure G1
 1PL03-NV-40152
 January 2013

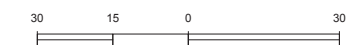


Keyplan:



Key

-  Survey Zone
-  1 - Northern Lawn Area
-  2 - Playground (Unsupervised)
-  3 - Central Seating Area and Paths
-  4 - Southern Lawn Area and Paths
-  5 - Adventure Playground



Scale 1 : 1,500 at A3

FOR INFORMATION

Location

Falconbrook Pumping Station
London Borough of Wandsworth

Document Information

Environmental Statement

Socio-economics - usage survey plan

Vol.11 Figure H.1

1PL03-SE-20033

January 2013

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