



# 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: **6.2.04**

### Volume 4: Acton Storm Tanks figures

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

Hard copy available in  
Box **66** Folder **A**  
January 2013

Thames  
Tideway Tunnel   
Creating a cleaner, healthier River Thames

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# Thames Tideway Tunnel

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Volume 3	Project-wide effects assessment
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## Thames Tideway Tunnel

### Environmental Statement

#### Volume 4: Acton Storm Tanks site assessment

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# Thames Tideway Tunnel

## Environmental Statement

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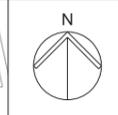
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# 1 Plans from the Book of Plans

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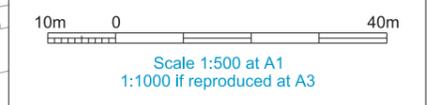
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Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

- 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

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

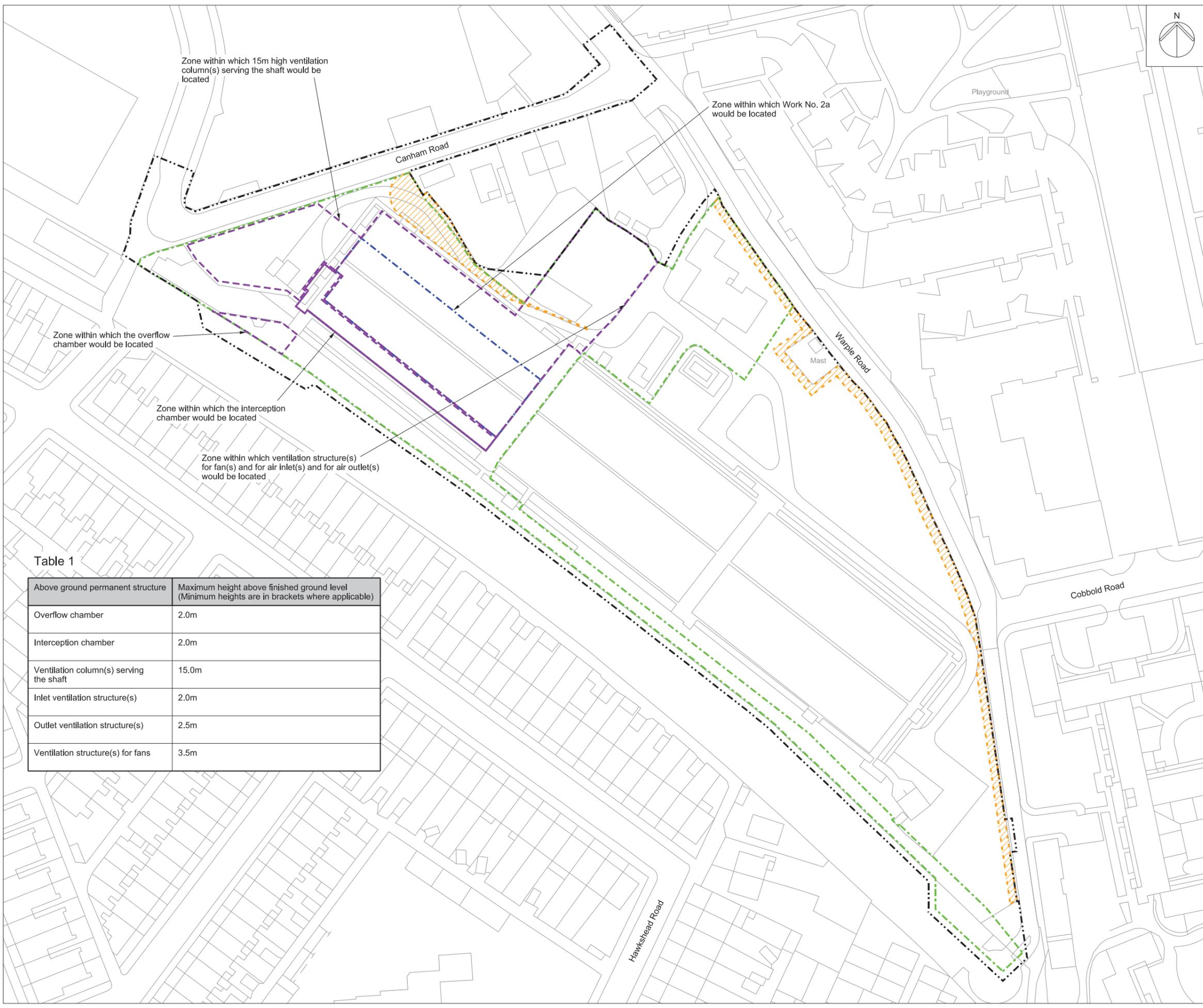


**FOR APPROVAL**

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

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

Book of plans - section 5  
 DCO-PP-02X-ACTST-050006  
 January 2013



Zone within which 15m high ventilation column(s) serving the shaft would be located

Zone within which Work No. 2a would be located

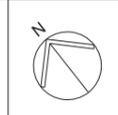
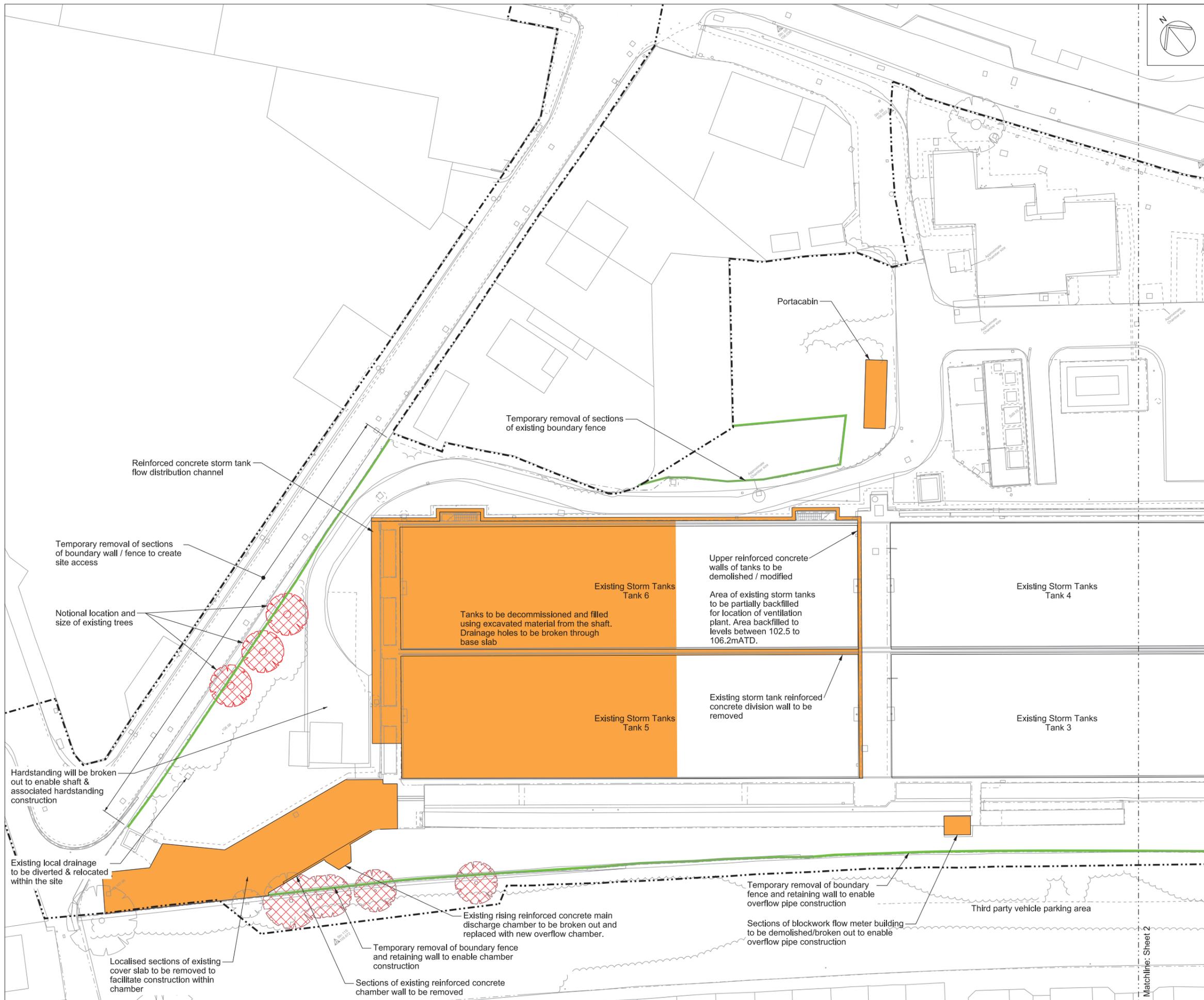
Zone within which the overflow chamber would be located

Zone within which the interception chamber would be located

Zone within which ventilation structure(s) for fan(s) and for air inlet(s) and for air outlet(s) would be located

**Table 1**

Above ground permanent structure	Maximum height above finished ground level (Minimum heights are in brackets where applicable)
Overflow chamber	2.0m
Interception chamber	2.0m
Ventilation column(s) serving the shaft	15.0m
Inlet ventilation structure(s)	2.0m
Outlet ventilation structure(s)	2.5m
Ventilation structure(s) for fans	3.5m



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Keyplan:



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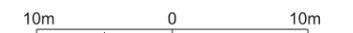
Key:

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

Notes:

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

Sheet Layout



Scale 1:250 at A1  
1:500 if reproduced at A3

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Location

**Acton Storm Tanks**  
London Borough of Ealing

Document Information

**Application for Development Consent**

Demolition and site clearance

Sheet 1 of 2

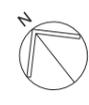
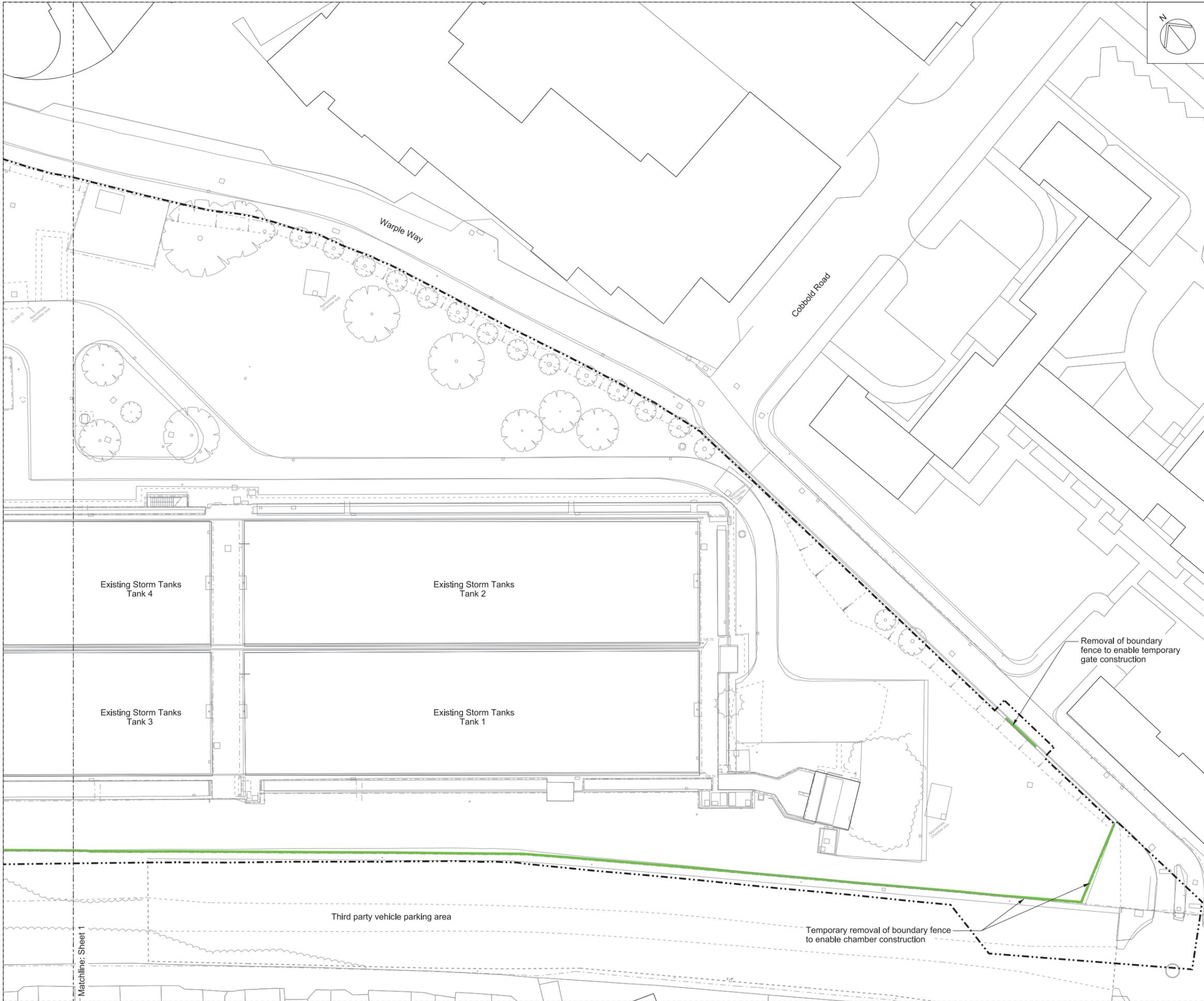
Book of plans - section 5

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





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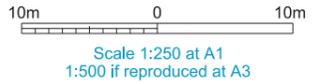
Key:

- Limits of land to be acquired or used (LLAU)
- Structure to be removed and relocated or reinstated

Notes:

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

Sheet Layout

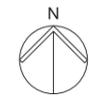
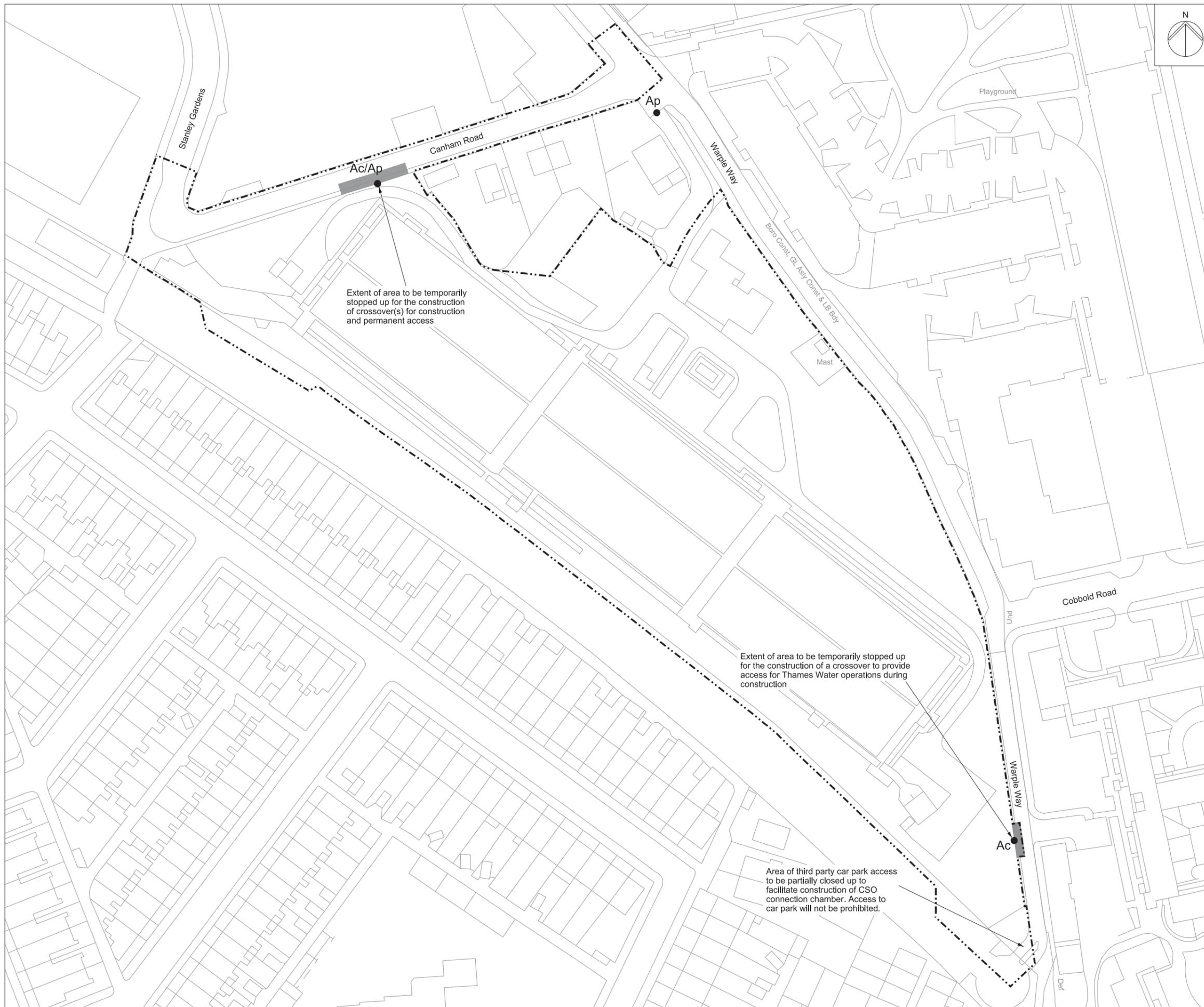


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**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
Application for Development Consent  
Demolition and site clearance  
Sheet 2 of 2  
Book of plans - section 5  
DCO-PP-02X-ACTST-050005  
January 2013





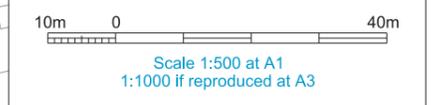
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- Key:**
- Limits of land to be acquired or used (LLAU)
  - Area of highway to be temporarily stopped up
  - Ap** ● Access to permanent works
  - Ac** ● Access to construction works

- 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.



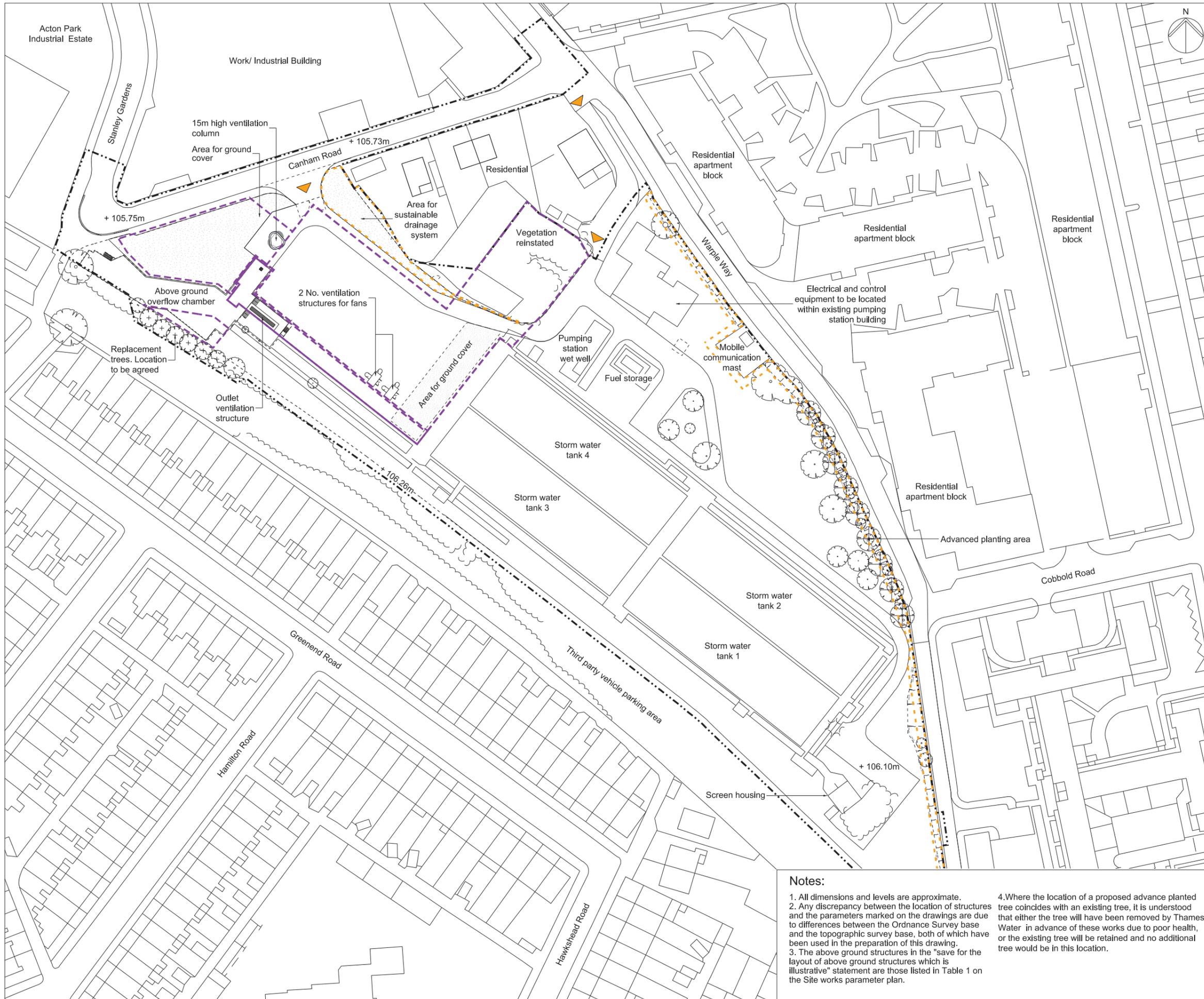
**FOR APPROVAL**

**Location**  
Action Storm Tanks  
London Borough of Ealing

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

Book of plans - section 5  
DCO-PP-02X-ACTST-050003  
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
  - . - Zone within which required landscaping would be located
  - + 105.40m Existing levels (shown in metres above tunnel datum)
  - ⊙ Existing trees within surveyed area (trunk sizes vary)
  - ⊕ Proposed trees
  - ▶ Thames Water access
  - ⊗ Advanced planting



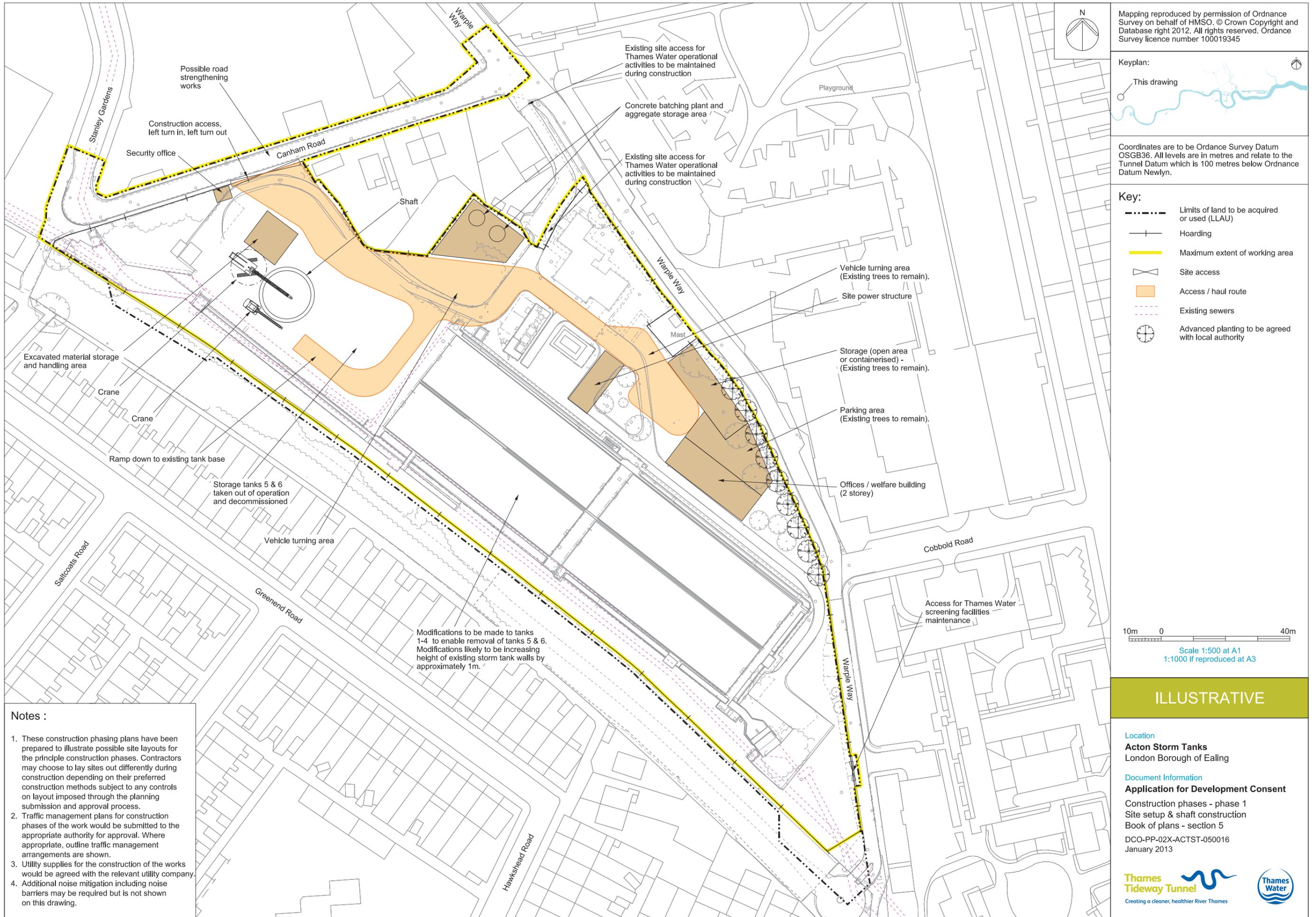
**INDICATIVE**  
Save for layout of above ground structures which is illustrative

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
Application for Development Consent  
Proposed  
Landscape plan - overall  
Book of plans - section 5  
DCO-PP-02X-ACTST-050010  
January 2013



- Notes:**
1. All dimensions and levels are approximate.
  2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and the topographic survey base, both of which have been used in the preparation of this drawing.
  3. The above ground structures in the "save for the layout of above ground structures which is illustrative" statement are those listed in Table 1 on the Site works parameter plan.
  4. Where the location of a proposed advance planted tree coincides with an existing tree, it is understood that either the tree will have been removed by Thames Water in advance of these works due to poor health, or the existing tree will be retained and no additional tree would be in this location.



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Key:

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



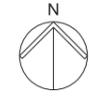
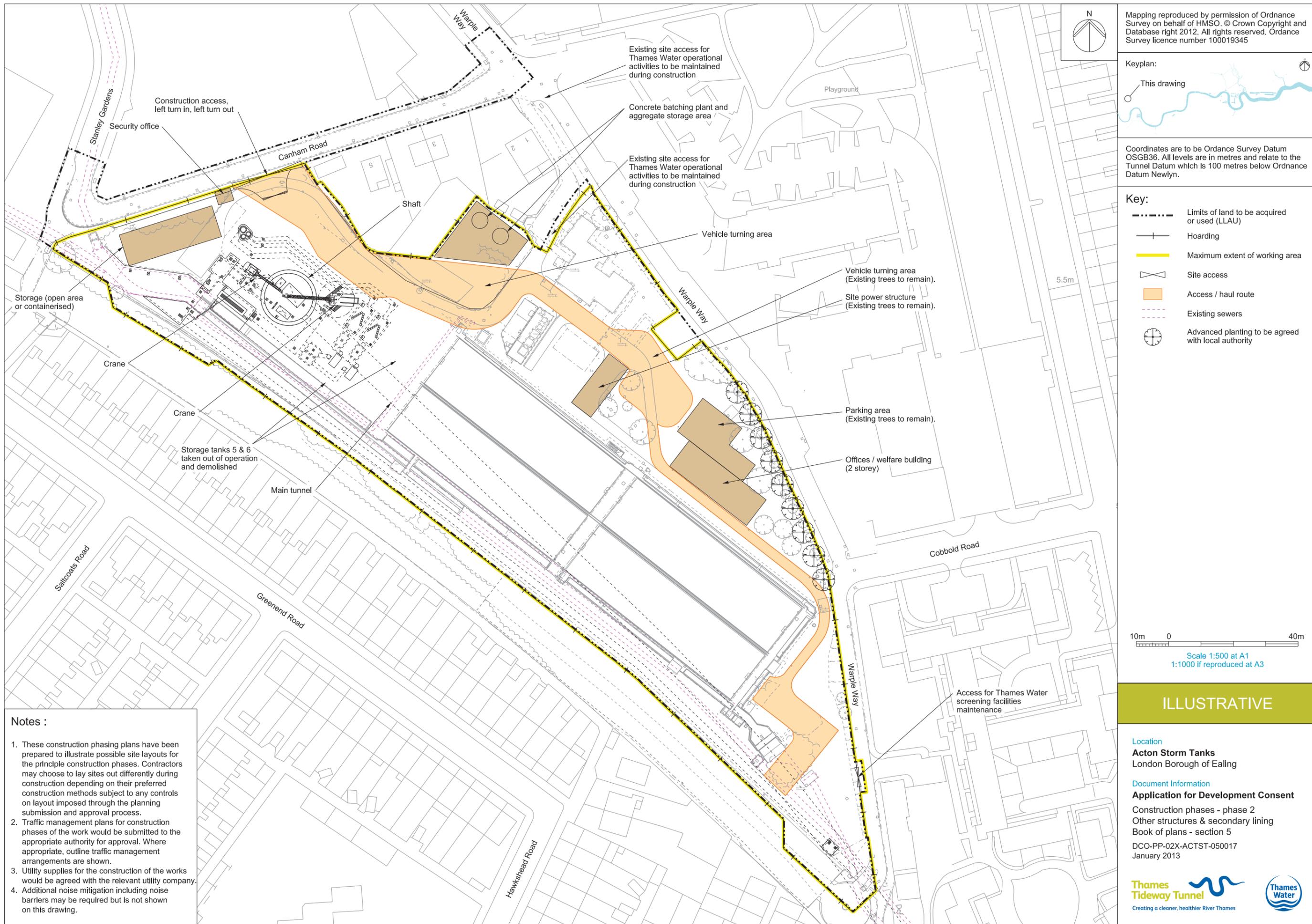
**ILLUSTRATIVE**

- Notes :
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay sites out differently during construction depending on their preferred construction methods subject to any controls on layout imposed through the planning submission and approval process.
  2. Traffic management plans for construction phases of the work would be submitted to the appropriate authority for approval. Where appropriate, outline traffic management arrangements are shown.
  3. Utility supplies for the construction of the works would be agreed with the relevant utility company.
  4. Additional noise mitigation including noise barriers may be required but is not shown on this drawing.

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Application for Development Consent**  
 Construction phases - phase 1  
 Site setup & shaft construction  
 Book of plans - section 5  
 DCO-PP-02X-ACTST-050016  
 January 2013



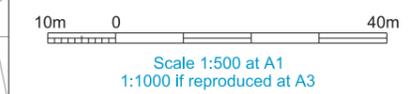


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- Key:
- Limits of land to be acquired or used (LLAU)
  - Hoarding
  - Maximum extent of working area
  - Site access
  - Access / haul route
  - Existing sewers
  - Advanced planting to be agreed with local authority



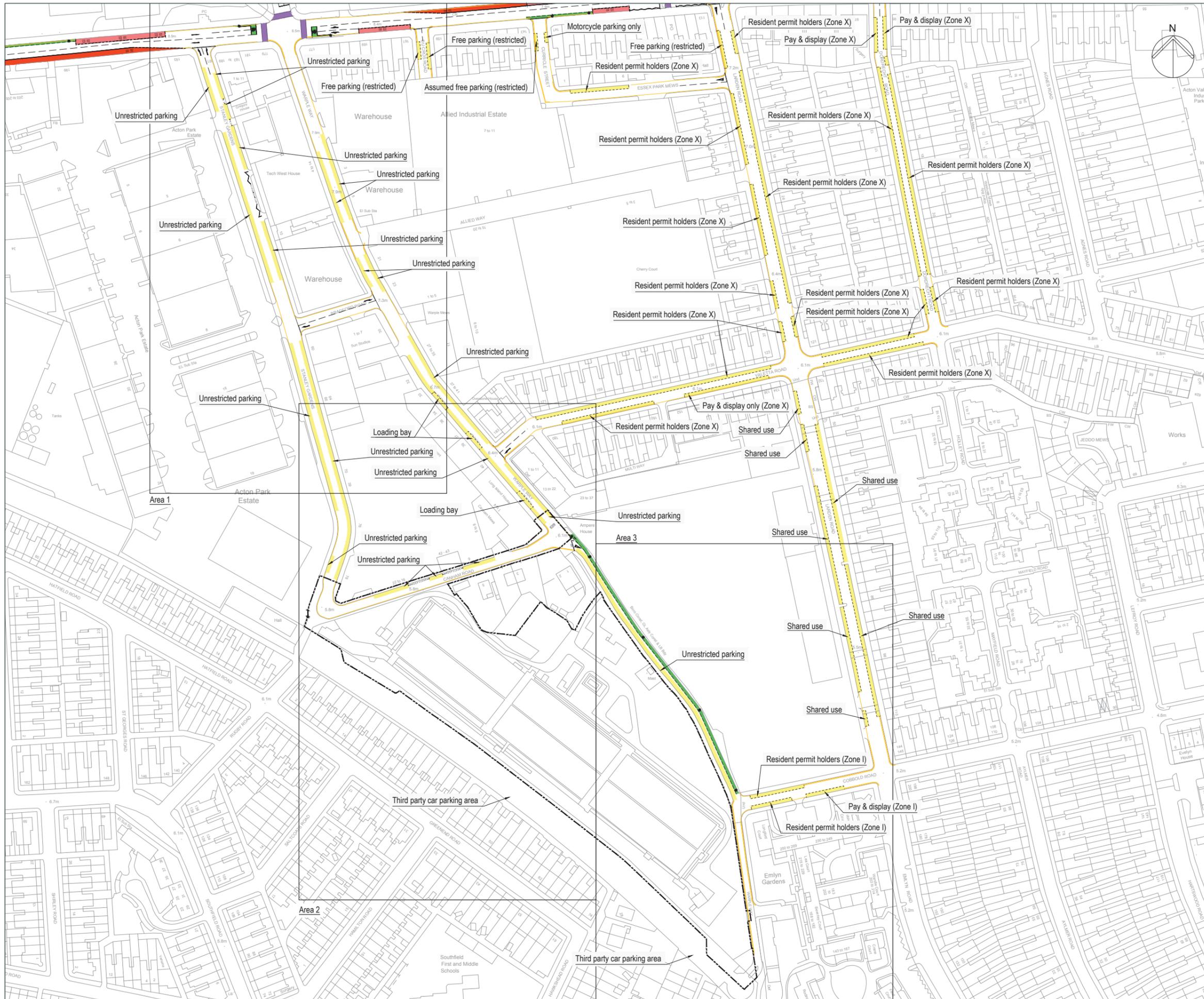
- Notes :
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  2. Traffic management plans for construction phases of the work would be submitted to the appropriate authority for approval. Where appropriate, outline traffic management arrangements are shown.
  3. Utility supplies for the construction 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**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Application for Development Consent**  
 Construction phases - phase 2  
 Other structures & secondary lining  
 Book of plans - section 5  
 DCO-PP-02X-ACTST-050017  
 January 2013





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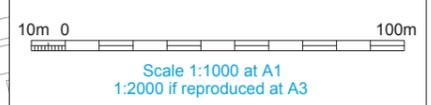
- Key**
- Existing
  - Yellow line: Parking restrictions
  - Orange line: On street parking
  - Red line: Bus stop / stand
  - Blue line: Bus lane
  - Purple line: Pedestrian crossing
  - Green line: Cycle lane / advance stop line
- Revised
- Dashed black line: Limit of land to be acquired or used (LLAU)

**On Street Parking**

- Shared use - Zone I permit holders or pay & display max stay 8 hrs Mon - Fri 9:00am - 5:00pm
- Resident permit holders (Zone I) - Permit holders only Mon - Fri 9:30am - 5:00pm
- Resident permit holders (Zone X) - Permit holders only Mon - Sun 9:30am - 9:00pm
- Pay & display (Zone I) - Pay & display only Mon - Fri 9:00am - 5:00pm
- Pay & display (Zone X) - Pay & display only Mon - Sun 9:00am - 9:00pm
- Free parking (restricted) - Mon - Fri 9:00am - 5:00pm free parking 30 mins no return within 1 hr
- Unrestricted parking - Unrestricted parking (unmarked & without signage)
- School keep clear - No stopping Mon - Fri 8:00am - 4:30pm
- Third party car parking area - Loading bay - Loading only

- Standards**
- Design Manual For Roads And Bridges, DfT, 1992
  - Traffic Signs Regulations & General Directions, Tso, 2002
  - Traffic Signs Manual, DfT, 2006
  - Manual For Streets, DfT, 2007
  - Manual For Streets 2, CihT, 2010
  - Designing For Deliveries, Fla, 1998
  - Cycle Infrastructure Design Ltn 2/08, DfT, 2008
  - Design Of Pedestrian Crossings Ltn 2/95, DfT, 1995
  - Guidance For The Use Of Tactile Paving, DfT, 1998
  - Accessible Bus Stop Design Guidance, TfL, 2006

**Stage**  
Existing & construction base case



## FOR INFORMATION

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
Application for Development Consent  
Existing and construction base case highway layout

DCO-PP-02X-ACTST-050021  
January 2013





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**Keyplan:**

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**Key**

**Existing**

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

**Revised**

- Parking restrictions
- Suspended parking
- PEG2X\_C00 See schedule of works

**On Street Parking**

Unrestricted parking - Unrestricted parking (unmarked & without signage)

Free parking (restricted) - Mon - Fri 9:00am - 5:00pm free parking 30 mins no return within 1 hr

School keep clear - No stopping Mon - Fri 8:00am - 4:30pm

**Standards**

- Design Manual For Roads And Bridges, Dft, 1992
- Traffic Signs Regulations & General Directions, Tso, 2002
- Traffic Signs Manual, Dft, 2006
- Manual For Streets, Dft, 2007
- Manual For Streets 2, Cilt, 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**

Phases 1 & 2

10m 0 40m

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1:1000 if reproduced at A3

**ILLUSTRATIVE**

**Location**

**Acton Storm Tanks**  
London Borough of Ealing

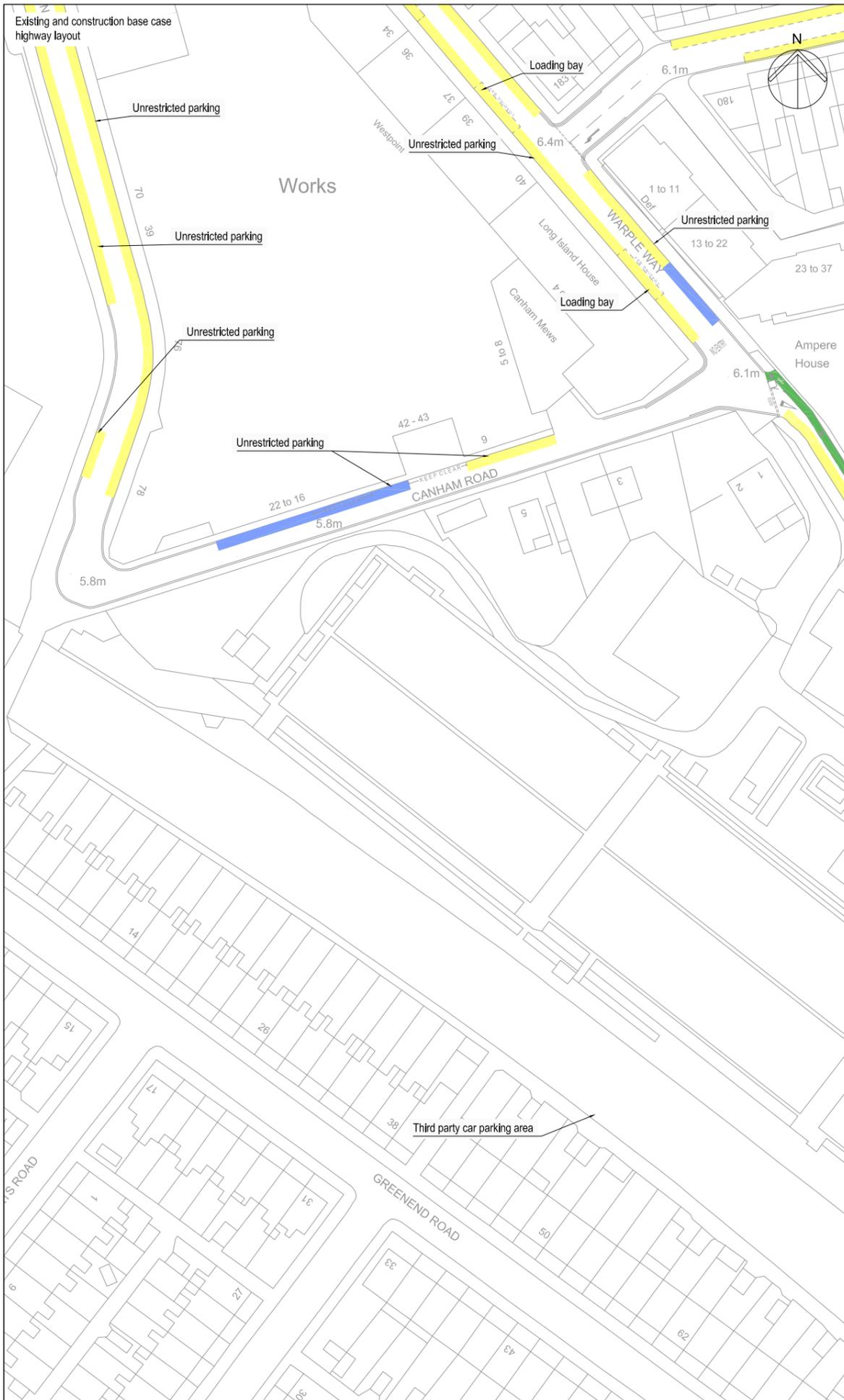
**Document Information**

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

DCO-PP-02X-ACTST-050022  
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**Thames Tideway Tunnel**  
Creating a cleaner, healthier River Thames

**Thames Water**



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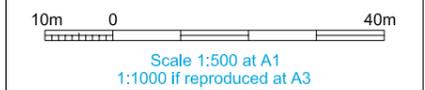
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key	
<b>Existing</b>	
	Parking restrictions
	On street parking
	Cycle lane / advance stop line
<b>Revised</b>	
	Removal of footway
	Illustrative on-site manoeuvring zone
	Suspended parking
	Parking restrictions
	Visibility splay - 2.4m x 43m
	Site hut
	Site hoarding
	Access gate
	Limit of land to be acquired or used (LLAU)
	See schedule of works

**On Street Parking**  
 Unrestricted parking - Unrestricted parking (unmarked & without signage)  
 Third party car parking area - Loading bay - Loading bay

- 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, Cjht, 2010
  - Designing For Deliveries, Fla, 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**  
 Phase 1, Phase 2



ILLUSTRATIVE

**Location**  
**Action Storm Tanks**  
 London Borough of Ealing

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

DCO-PP-02X-ACTST-050023  
 January 2013







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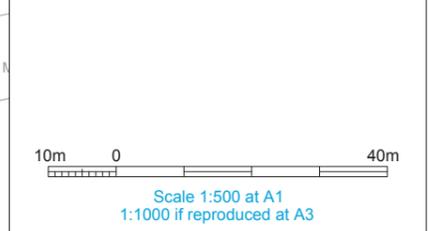
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key	
<b>Existing</b>	
	Parking restrictions
	On street parking
	Bus stop / stand
	Bus lane
	Pedestrian crossing
	Cycle lane / advance stop line
<b>Revised</b>	
	Parking restrictions
	Reinstated parking
	See schedule of works

**On Street Parking**  
 Unrestricted parking - Unrestricted parking (unmarked & without signage)  
 Free parking (restricted) - Mon - Fri 9:00am - 5:00pm free parking  
 30 mins no return within 1 hr  
 School keep clear - No stopping Mon - Fri 8:00am - 4:30pm  
 Loading bay - loading only

- 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, Cilt, 2010
  - Designing For Deliveries, Fla, 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

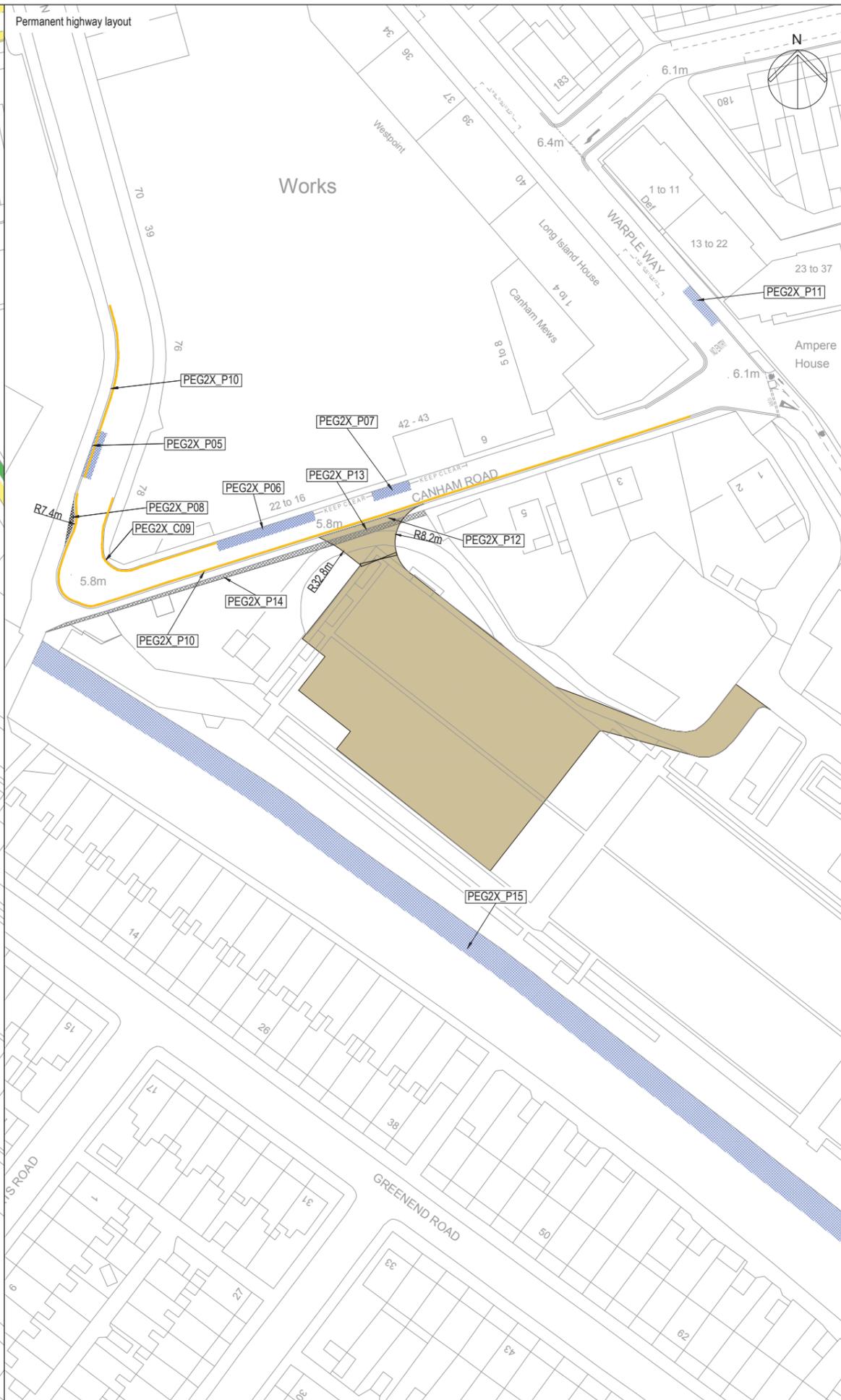
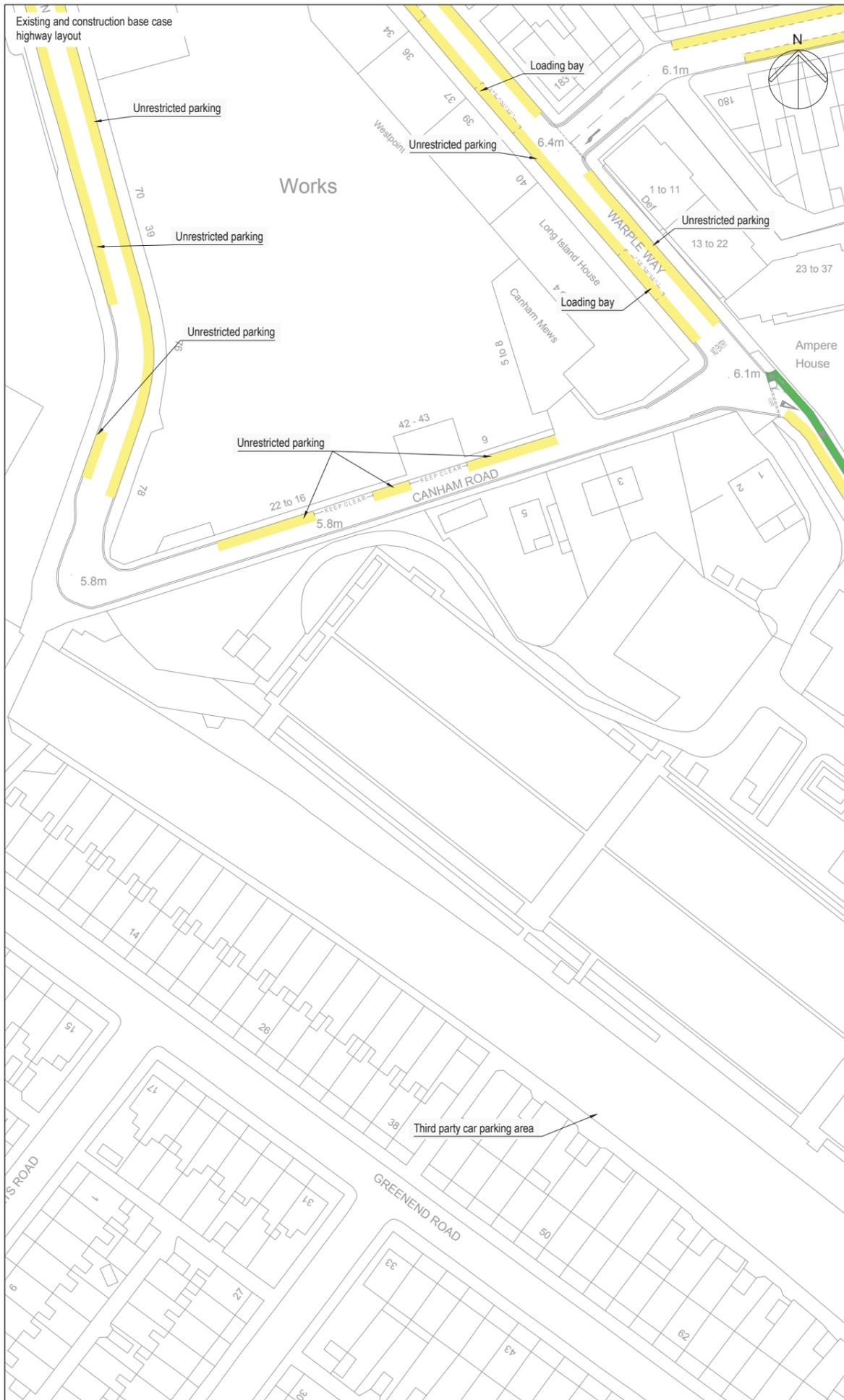
**Stage**  
 Permanent phase



ILLUSTRATIVE

**Location**  
 Acton Storm Tanks  
 London Borough of Ealing

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



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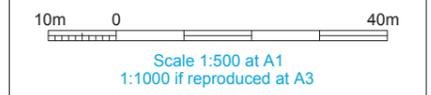
Coordinates are to be Ordnance Survey Datum OSGB36. All levels are in metres and relate to the Tunnel Datum which is 100 metres below Ordnance Datum Newlyn.

Key	
<b>Existing</b>	
	Parking restrictions
	On street parking
	Cycle lane / advance stop line
<b>Revised</b>	
	Removal of footway
	Reinstated footway
	Illustrative on-site manoeuvring zone
	Reinstated parking
	Footway extension
	Parking restrictions
	Access gate
	PEG2X_P00 See schedule of works

**On Street Parking**  
 Unrestricted parking - Unrestricted parking (unmarked & without signage)  
 Third party car parking area -  
 Loading bay - loading bay

- 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, Cilt, 2010
  - Designing For Deliveries, Fla, 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**  
 Permanent phase



ILLUSTRATIVE

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

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

DCO-PP-02X-ACTST-050026  
 January 2013





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

- Key**
- Existing**
- Parking restrictions
  - On street parking
  - Cycle lane / advance stop line
- Revised**
- Reinstated footway
  - Reinstated parking

**On Street Parking**

Shared use - Zone I permit holders or pay & display max stay 8 hrs Mon - Fri 9:00am - 5:00pm  
 Resident permit holders (Zone I) - Permit holders only Mon - Fri 9:00am - 5:00pm  
 Pay & display (Zone I) - Pay & display only Mon - Fri 9:00am - 5:00pm  
 Unrestricted parking - Unrestricted parking (unmarked & without signage)  
 Third party car parking area -

- 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, Cilt, 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**  
Permanent phase



**ILLUSTRATIVE**

**Location**  
Action Storm Tanks  
London Borough of Ealing

**Document Information**  
Application for Development Consent  
Permanent highway layout - Area 3 work

DCO-PP-02X-ACTST-050027  
January 2013



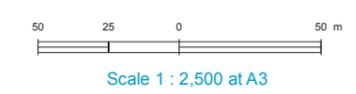
## 2 Environmental impact assessment figures

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



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Site location plan  
 Vol. 4 Figure 2.1.1

1PL03-MG-00697  
 January 2013



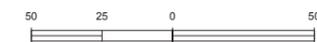


**Key**

- 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 C3-C4 (Dwelling Houses)
- Class D1-D2 (Non Residential Institutions (Community Facilities) and Assembly and Leisure)
- Mixed Use
- Other
- Open Space



Scale 1 : 2,500 at A3

**FOR INFORMATION**

**Location**

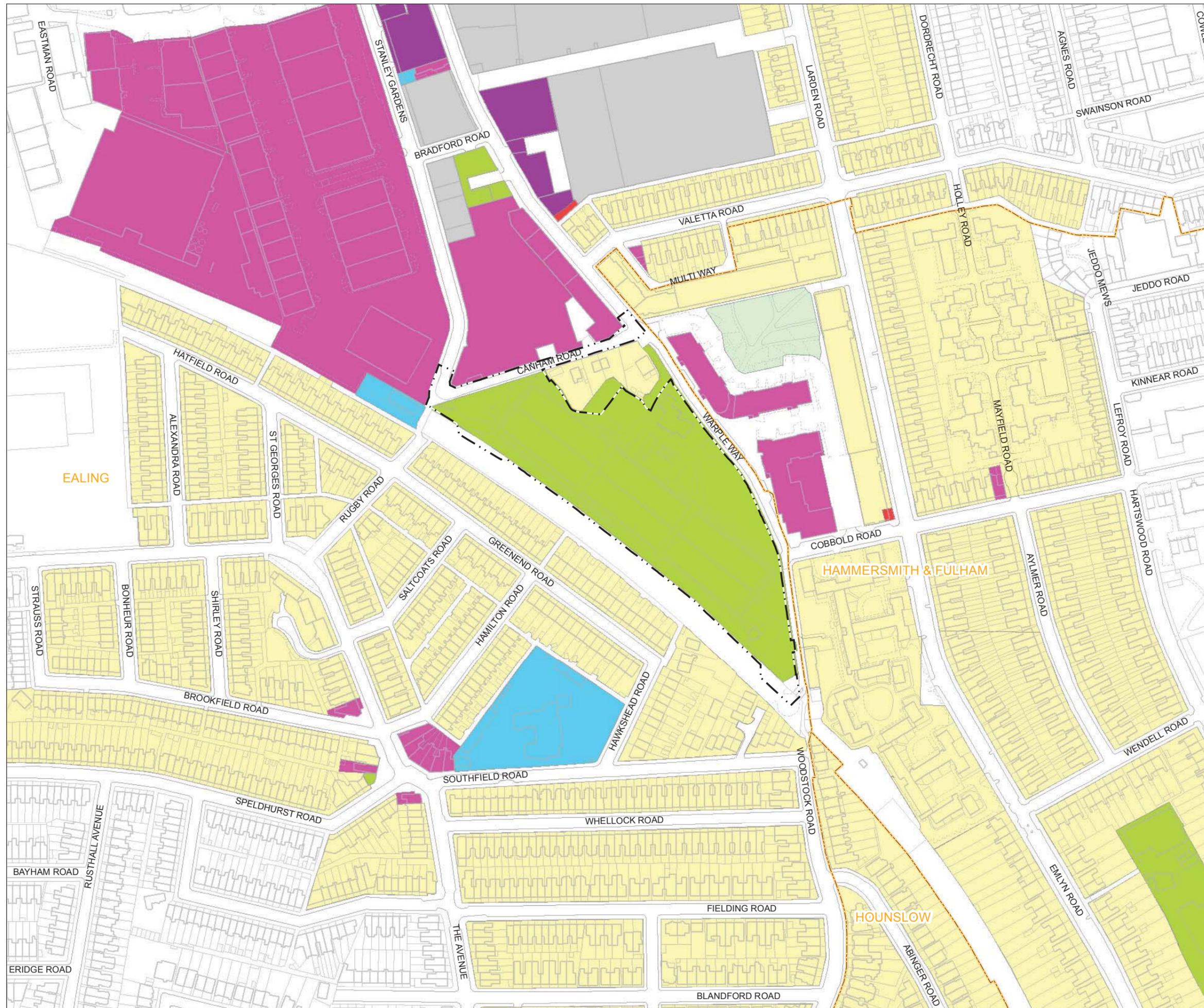
**Acton Storm Tanks**  
London Borough of Ealing

**Document Information**

**Environmental Statement**

Land use  
Vol. 4 Figure 2.1.2

1PL03-MG-00757  
January 2013



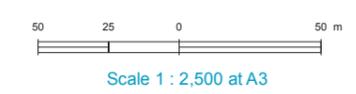
EALING

HAMMERSMITH & FULHAM

HOUNSLOW



- Key**
- Tree Preservation Order Point
  - Limits of Land to be Acquired or Used
  - LPA Conservation Area
  - Local Authority Boundary
- Sites of Importance for Nature Conservation (SINC)**
- Local Importance



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Environmental setting  
 Vol. 4 Figure 2.1.3

1PL03-MG-00674  
 January 2013

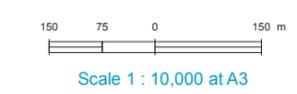


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- Key**
- Planning Application
  - Limits of Land to be Acquired or Used
  - Planning Application (1km Boundary)
  - Local Authority Boundary

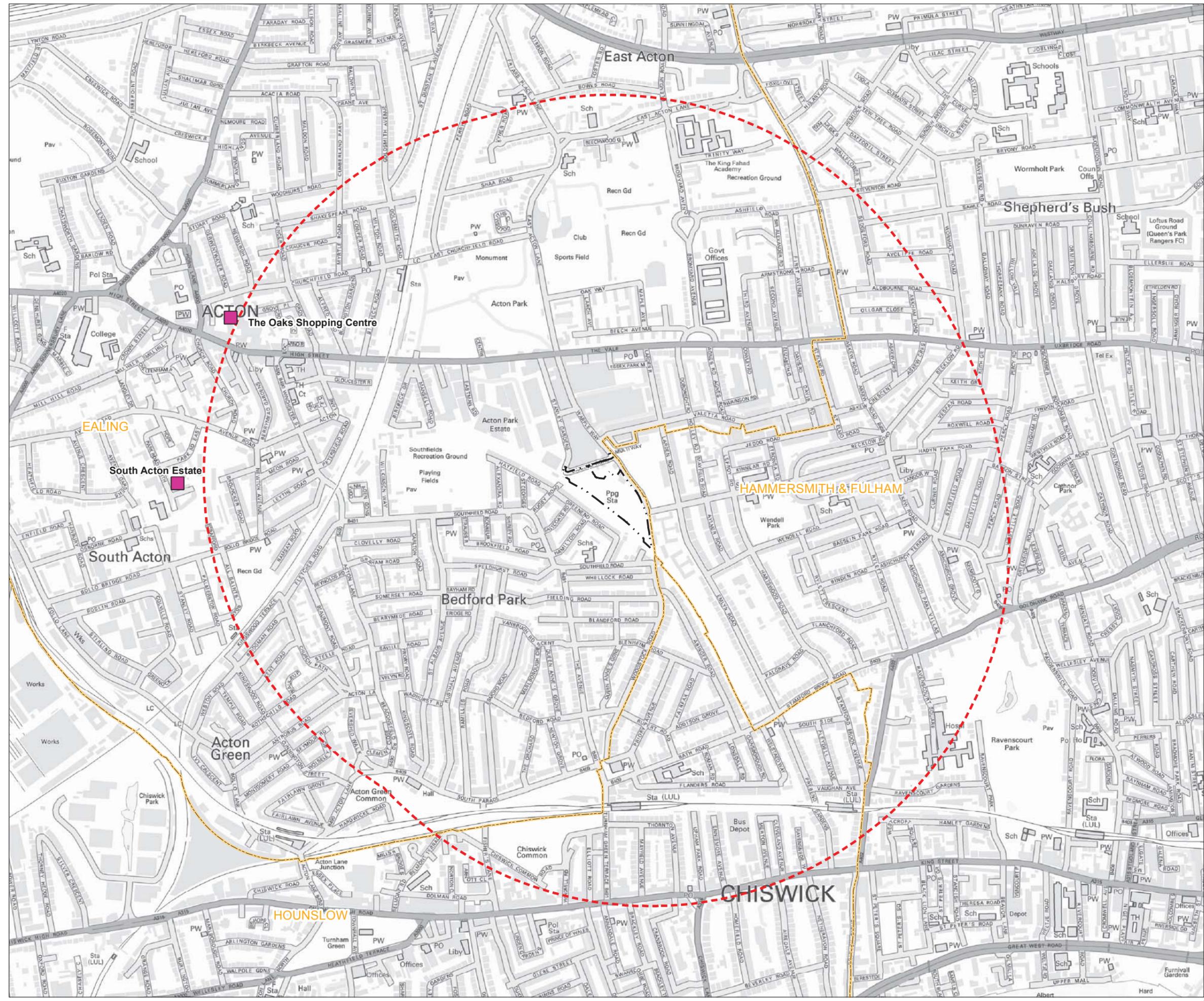
Note: This plan does not show the full extent for each planning application, but a single point within the application site.



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Base case and cumulative development projects  
 Vol. 4 Figure 3.5.1  
 1PL03-MG-00744  
 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 : 12,500 at A3

## FOR INFORMATION

[Location](#)

**Acton Storm Tanks**  
London Borough of Ealing

[Document Information](#)

**Environmental Statement**

Air quality and odour - air quality monitoring sites  
Vol.4 Figure 4.4.1

1PL03-AQ-10761  
January 2013



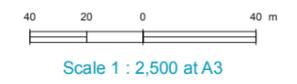


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Key

- - - Limits of Land to be Acquired or Used
- H<sub>2</sub>S Monitoring Locations



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Air quality and odour - H<sub>2</sub>S monitoring locations  
 Vol.4 Figure 4.4.2  
 1PL03-AQ-10762  
 January 2013

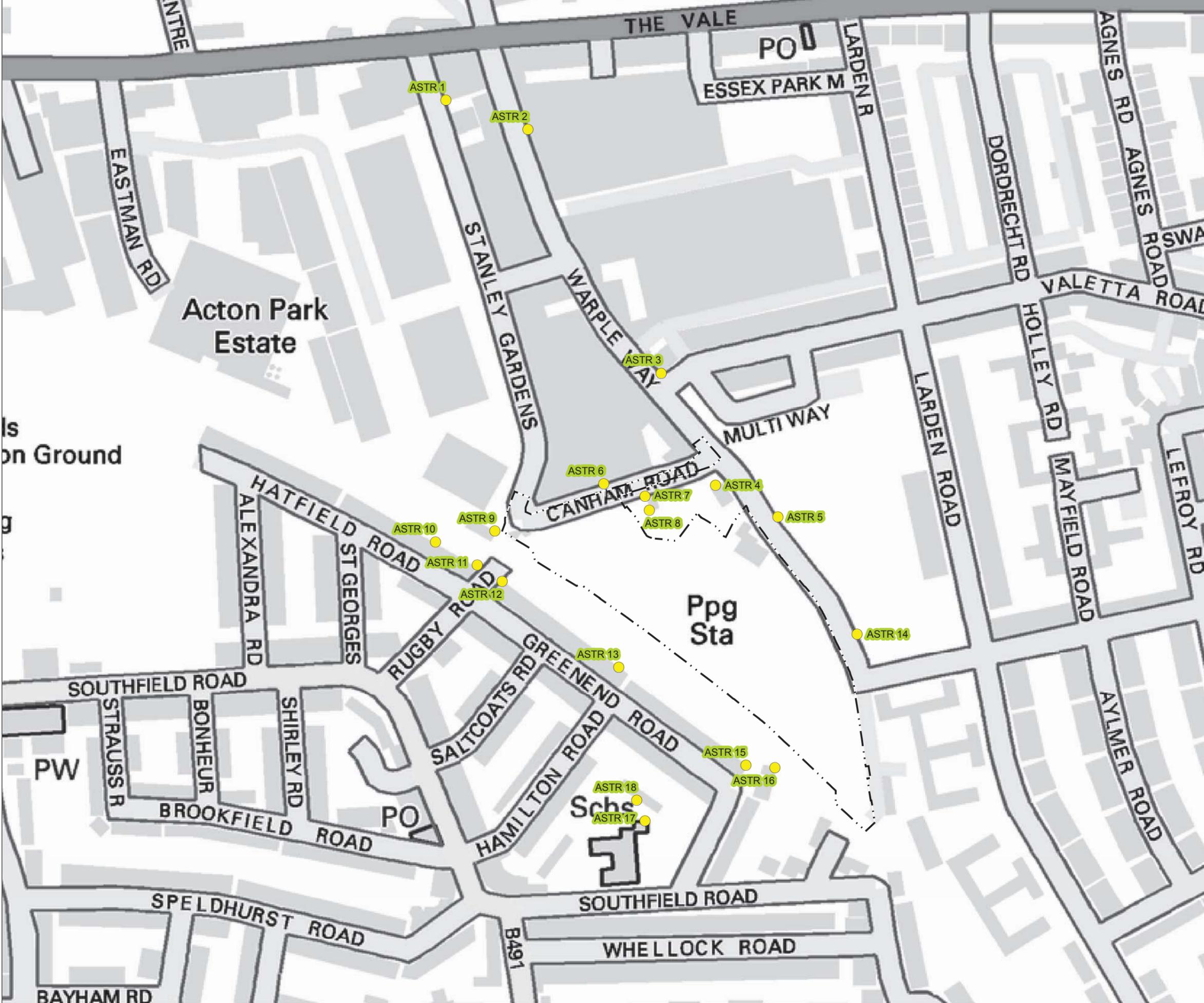
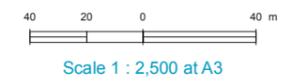




- Key**
- - - Limits of Land to be Acquired or Used
  - Modelled Receptors

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

- ASTR 1 - Gregory House, Stanley Gardens
- ASTR 2 - 3 Warple Way
- ASTR 3 - 183 Valetta Road
- ASTR 4 - 1-2 Canham Road
- ASTR 5 - Tesla Court
- ASTR 6 - Canham Road
- ASTR 7 - 5 Canham Road (Rear)
- ASTR 8 - 5 Canham Road (Front)
- ASTR 9 - Community Hall
- ASTR 10 - 14 Hatfield Road
- ASTR 11 - 2 Hatfield Road
- ASTR 12 - 2 Greenend Road
- ASTR 13 - 38 Greenend Road
- ASTR 14 - Warple Way
- ASTR 15 - 74 Greenend Road
- ASTR 16 - 28 Hawkshead Road
- ASTR 17 - Southfields Primary School Building
- ASTR 18 - Southfields Primary School Playground



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Air quality and odour - modelled air quality receptors  
 Vol.4 Figure 4.4.3  
 1PL03-AQ-10763  
 January 2013



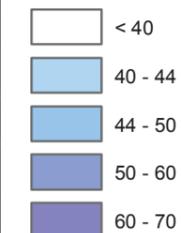
Keyplan:



Key

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

Predicted Annual Mean NO<sub>2</sub> Concentration (µg/m<sup>3</sup>)



Scale 1 : 2,500 at A3

## FOR INFORMATION

Location

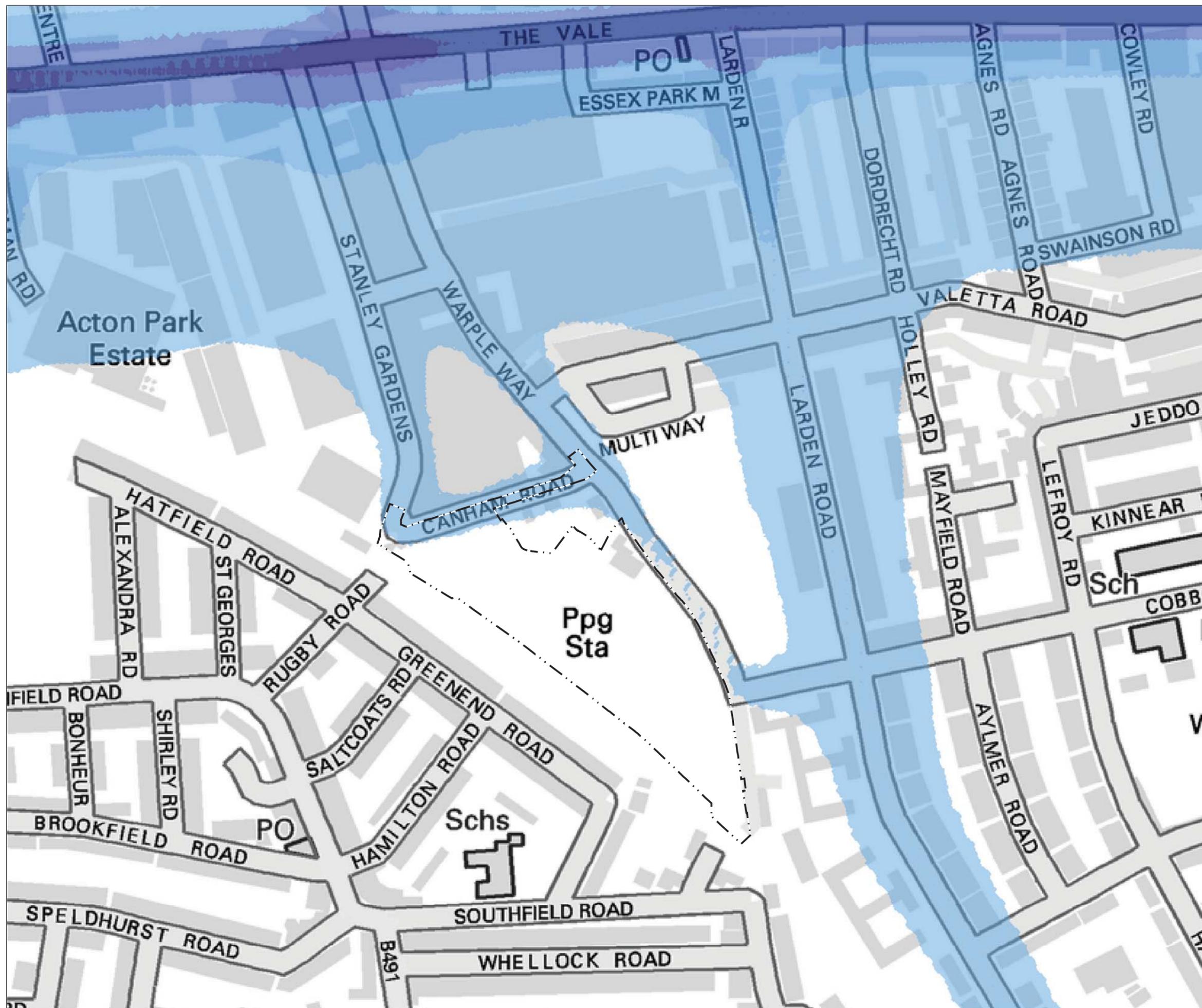
**Acton Storm Tanks**  
 London Borough of Ealing

Document Information

**Environmental Statement**

Air quality and odour - annual mean NO<sub>2</sub> for 2010 baseline  
 Vol.4 Figure 4.5.1

1PL03-AQ-10764  
 January 2013



Keyplan:



Key

— Limits of Land to be Acquired or Used

Predicted Annual Mean NO<sub>2</sub> Concentration (µg/m<sup>3</sup>)

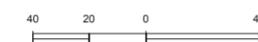
< 36

36 - 40

40 - 44

44 - 50

50 - 60



Scale 1 : 2,500 at A3

## FOR INFORMATION

Location

**Acton Storm Tanks**  
London Borough of Ealing

Document Information

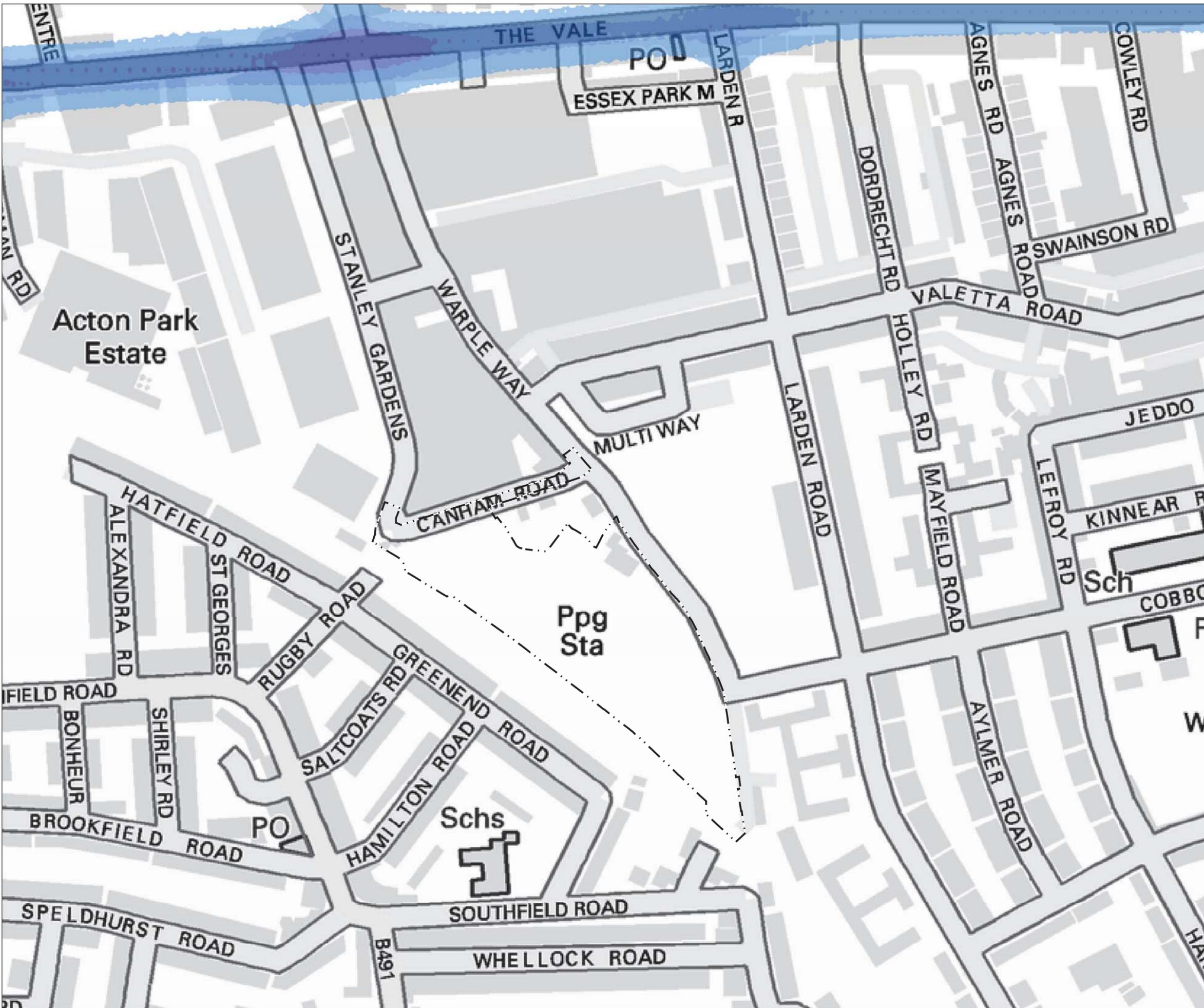
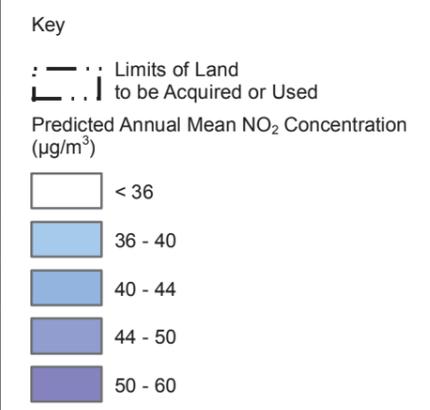
**Environmental Statement**

Air quality and odour - annual mean NO<sub>2</sub> for peak construction year base case  
Vol.4 Figure 4.5.2

1PL03-AQ-10765  
January 2013

Thames Tideway Tunnel  
Creating a cleaner, healthier River Thames





## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Air quality and odour - annual mean NO<sub>2</sub> for peak construction year development case Vol.4 Figure 4.5.3  
 1PL03-AQ-10766  
 January 2013



Keyplan:



Key

- Limits of Land to be Acquired or Used
- Predicted Annual Mean NO<sub>2</sub> Impact (µg/m<sup>3</sup>)
- < 0.1
- 0.1 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3



Scale 1 : 2,500 at A3

## FOR INFORMATION

Location

**Acton Storm Tanks**  
London Borough of Ealing

Document Information

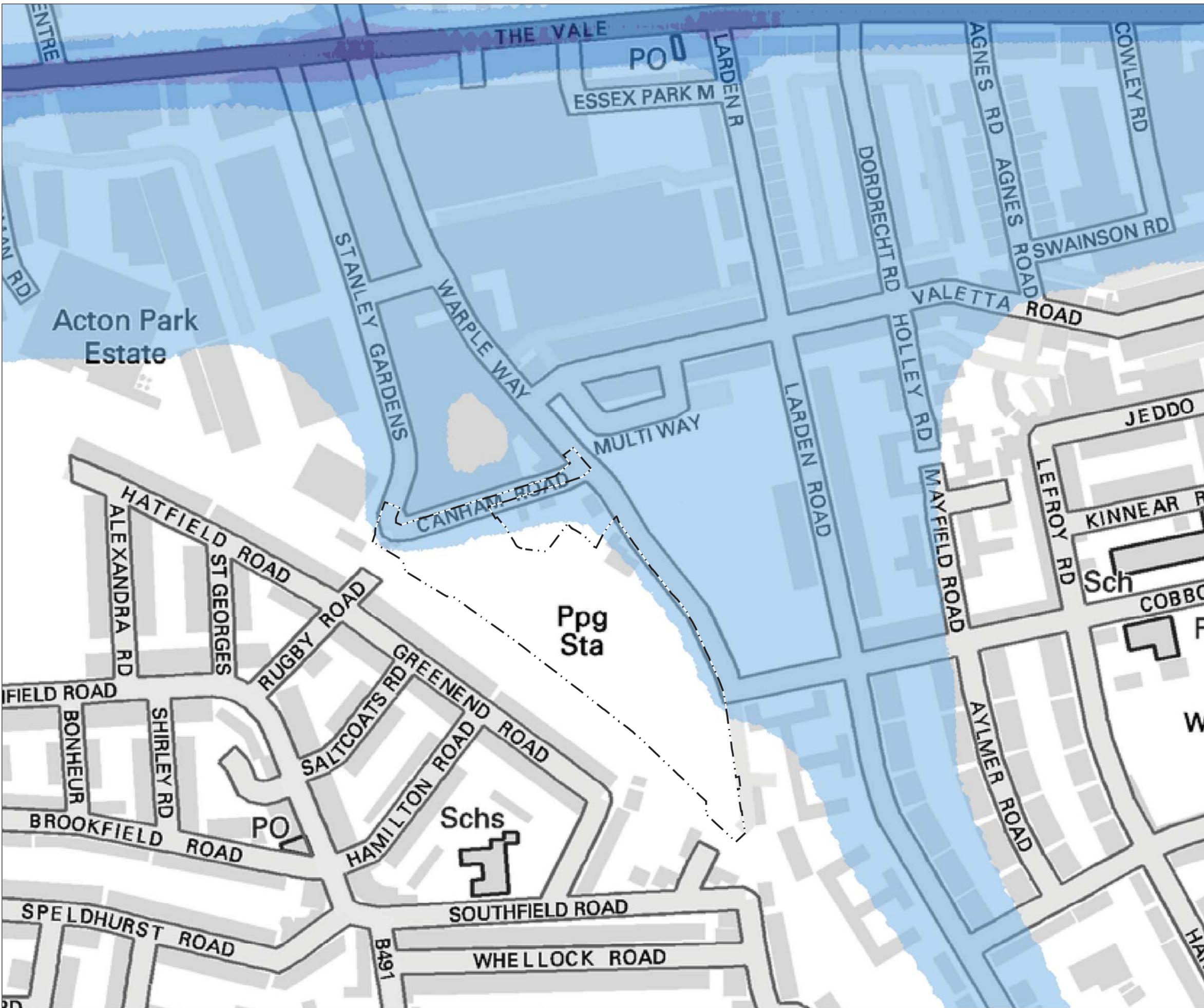
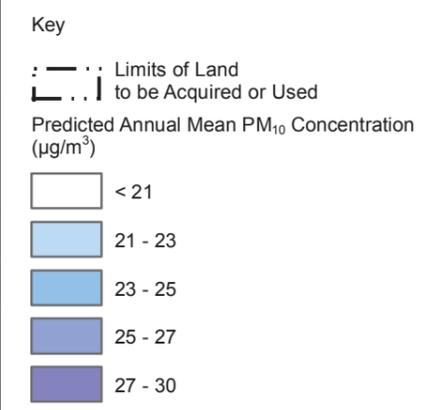
**Environmental Statement**

Air quality and odour - annual mean NO<sub>2</sub> impact for peak construction year  
Vol.4 Figure 4.5.4

1PL03-AQ-10767  
January 2013



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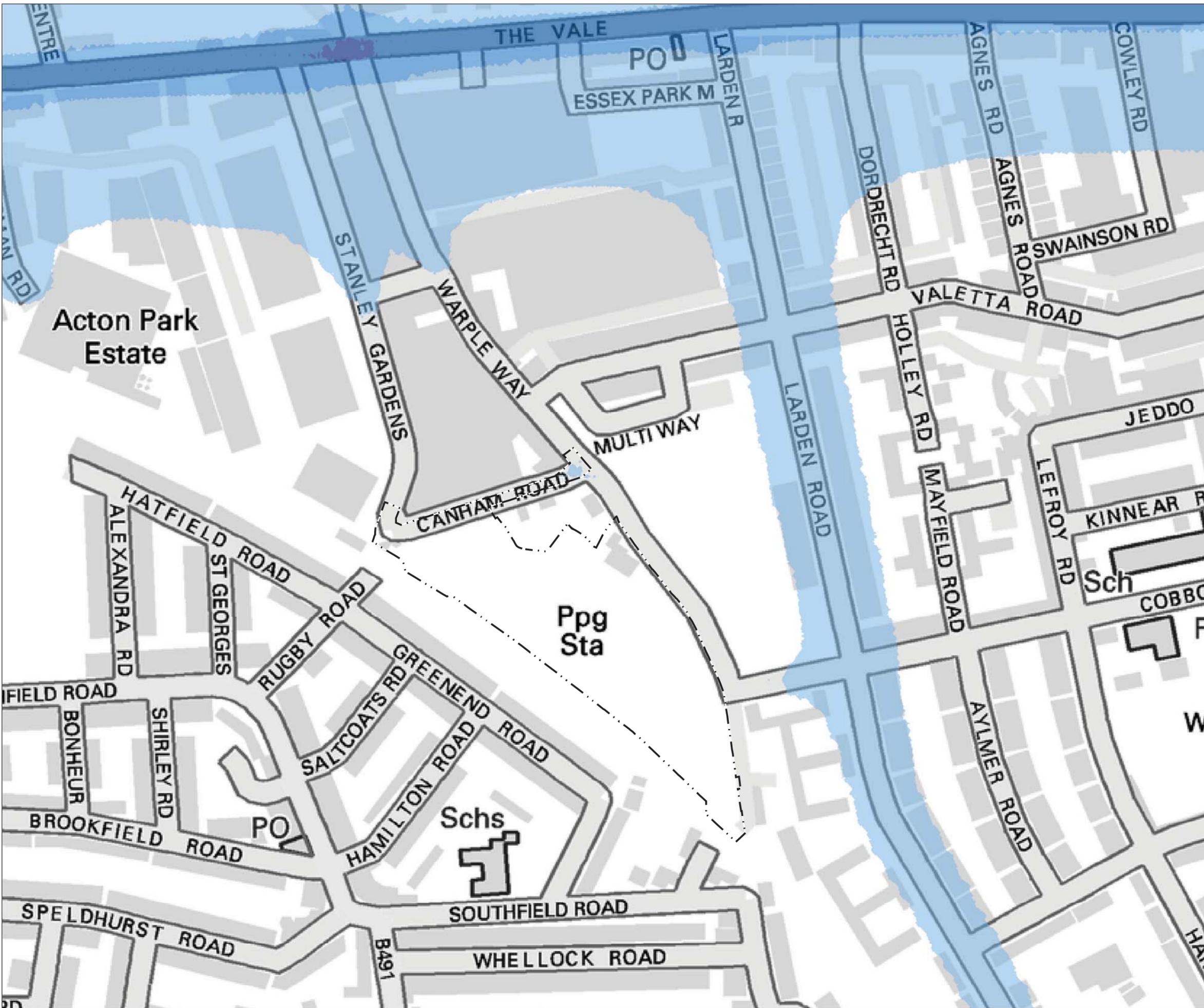
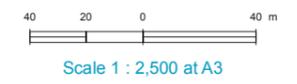
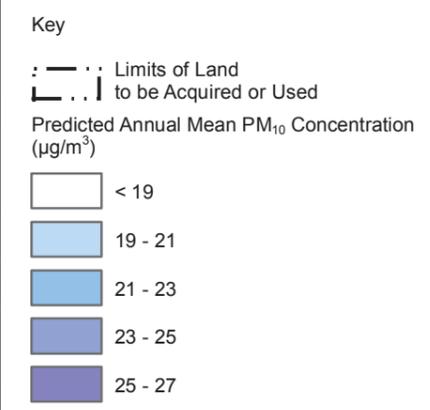


## FOR INFORMATION

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
**Environmental Statement**  
Air quality and odour - annual mean PM<sub>10</sub>  
for 2010 baseline  
Vol.4 Figure 4.5.5  
1PL03-AQ-10768  
January 2013





## FOR INFORMATION

**Location**  
 Acton Storm Tanks  
 London Borough of Ealing

**Document Information**  
 Environmental Statement  
 Air quality and odour - annual mean PM<sub>10</sub>  
 for peak construction year base case  
 Vol.4 Figure 4.5.6  
 1PL03-AQ-10769  
 January 2013



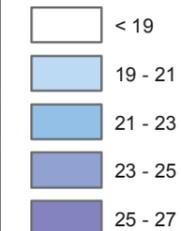
Keyplan:



Key

— Limits of Land to be Acquired or Used

Predicted Annual Mean PM<sub>10</sub> Concentration (µg/m<sup>3</sup>)



Scale 1 : 2,500 at A3

## FOR INFORMATION

Location

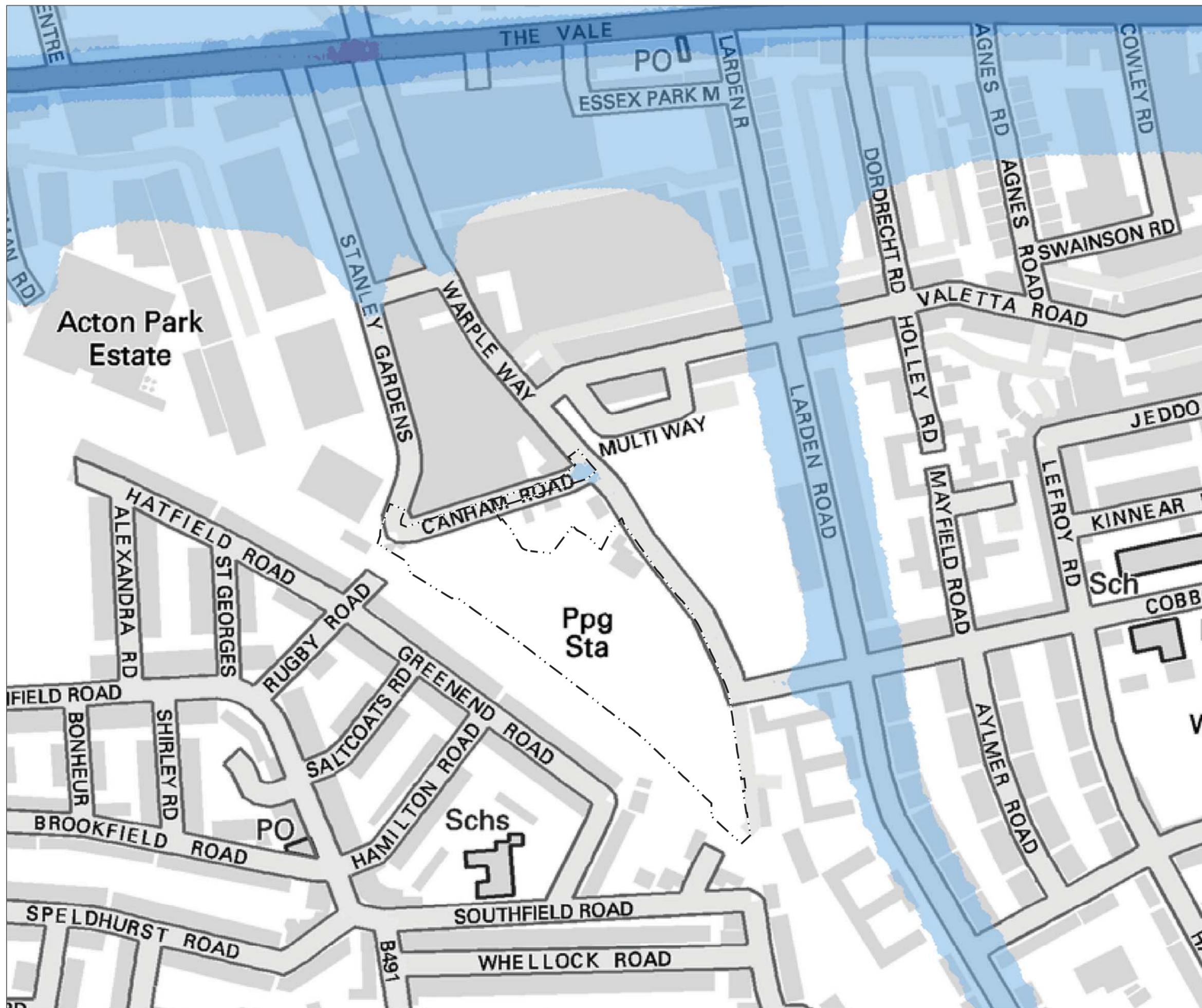
**Acton Storm Tanks**  
London Borough of Ealing

Document Information

**Environmental Statement**

Air quality and odour - annual mean PM<sub>10</sub> for peak construction year development case Vol.4 Figure 4.5.7

1PL03-AQ-10770  
January 2013



Keyplan:



Key

- Limits of Land to be Acquired or Used
- Predicted Annual Mean PM<sub>10</sub> Impact (µg/m<sup>3</sup>)**
- < 0.01
- 0.01 - 0.02
- 0.02 - 0.03
- 0.03 - 0.04



Scale 1 : 2,500 at A3

## FOR INFORMATION

**Location**

**Acton Storm Tanks**  
London Borough of Ealing

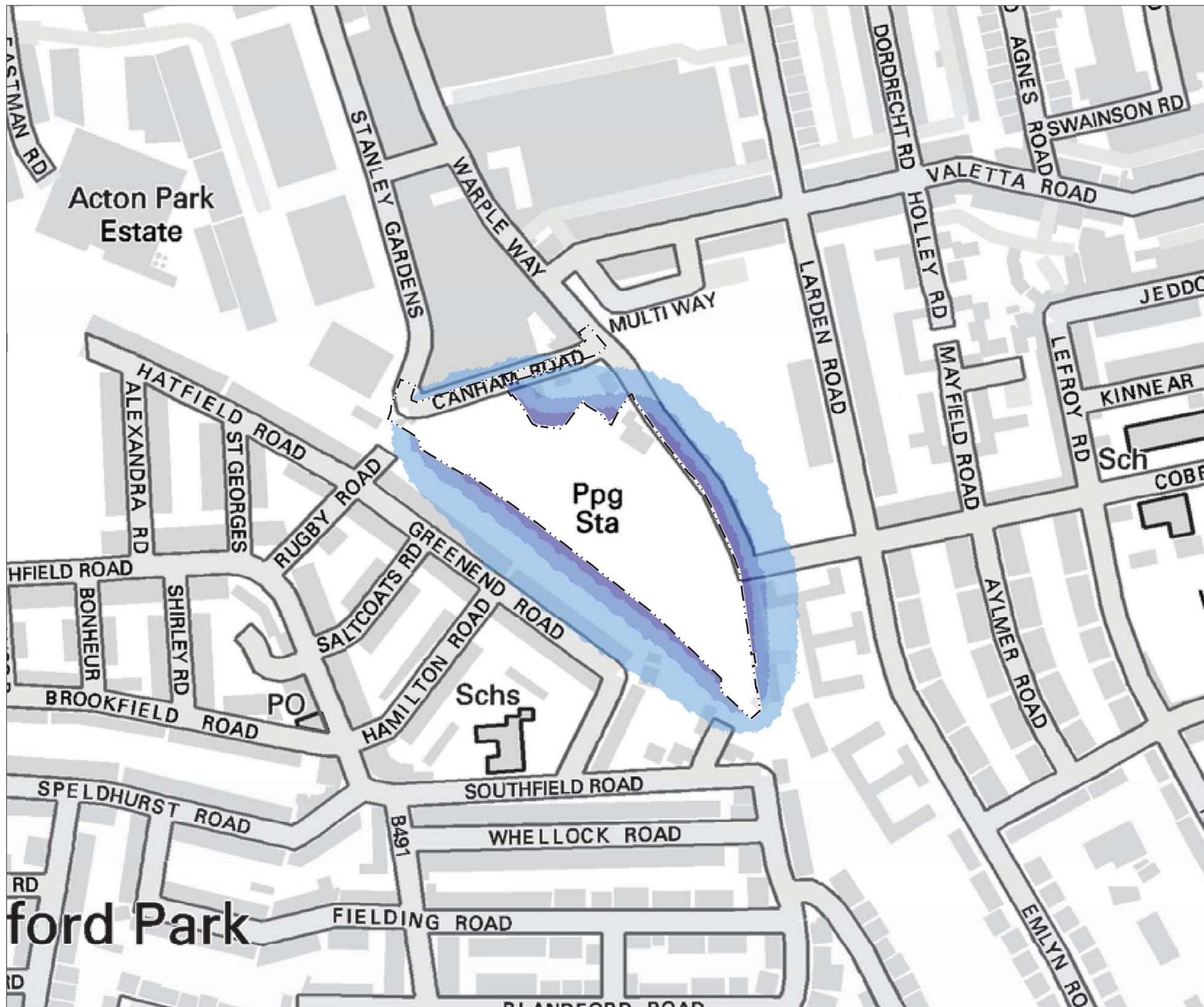
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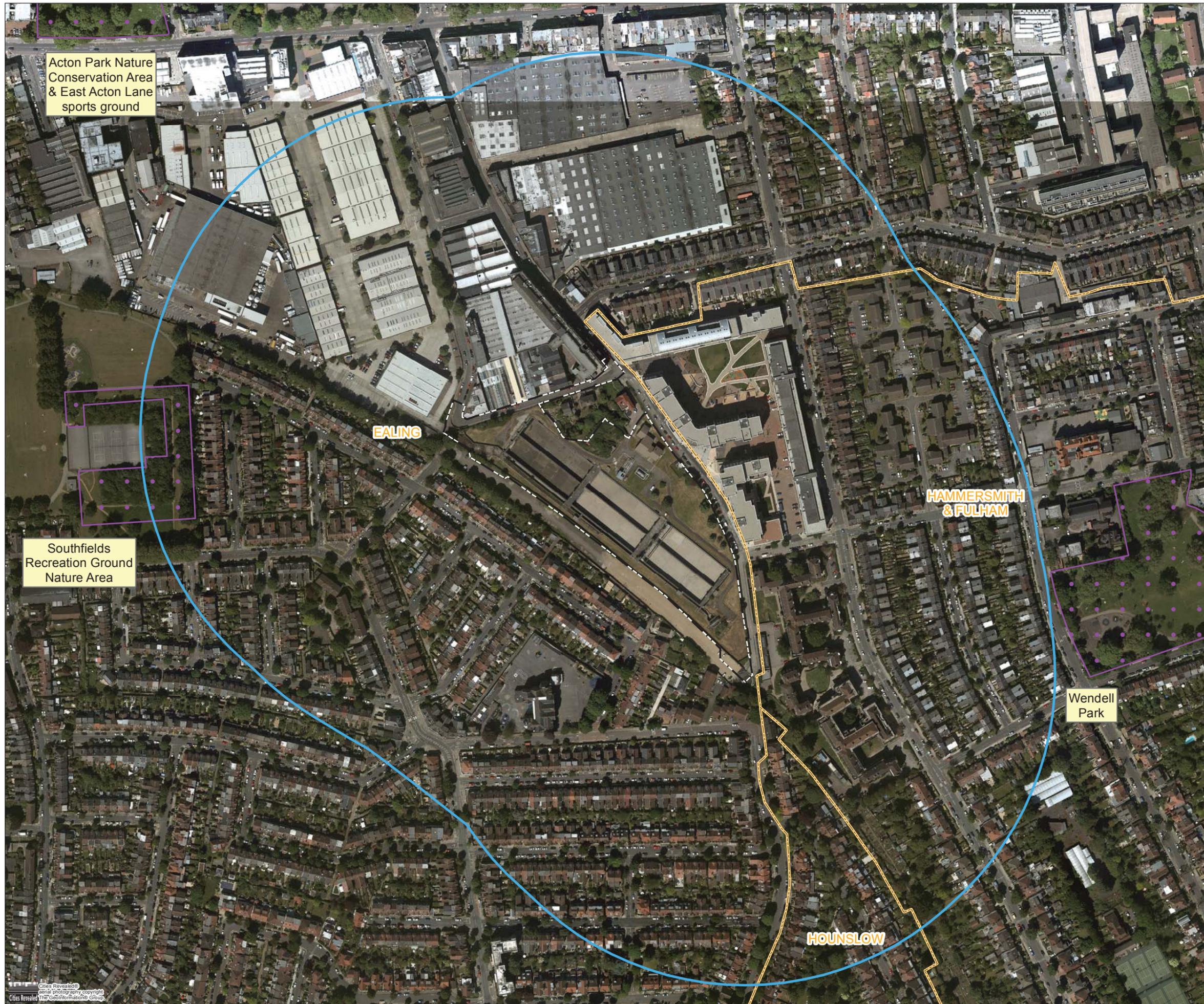
**Environmental Statement**

Air quality and odour - annual mean PM<sub>10</sub> impact for peak construction year  
Vol.4 Figure 4.5.8

1PL03-AQ-10771  
January 2013

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



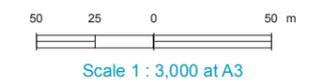


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- Key
- Limits of Land
  - to be Acquired or Used
  - 250m from Site
  - Local Authority Boundary
- Sites of Importance for Nature Conservation (SINC)
- Local Importance

Note:  
Aerial Imagery taken in 2010, before assessment.



## FOR INFORMATION

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
**Environmental Statement**  
Terrestrial ecology - designated sites

Vol. 4 Figure 6.4.1  
1PL03-TE-40153  
January 2013





- Key**
- Limits of Land to be Acquired or Used
  - Survey Area
  - Local Authority Boundary
  - S Artificial - Spoil
  - Cultivated/Disturbed Land - Introduced Shrub
  - Other - Tall Ruderal
  - Scrub - Dense/Continuous
  - AA Cultivated/Disturbed Land - Amenity Grassland
  - Built-up Areas - Buildings
  - ▨ Hard Standing
  - ⊙ Target Note
  - Tree



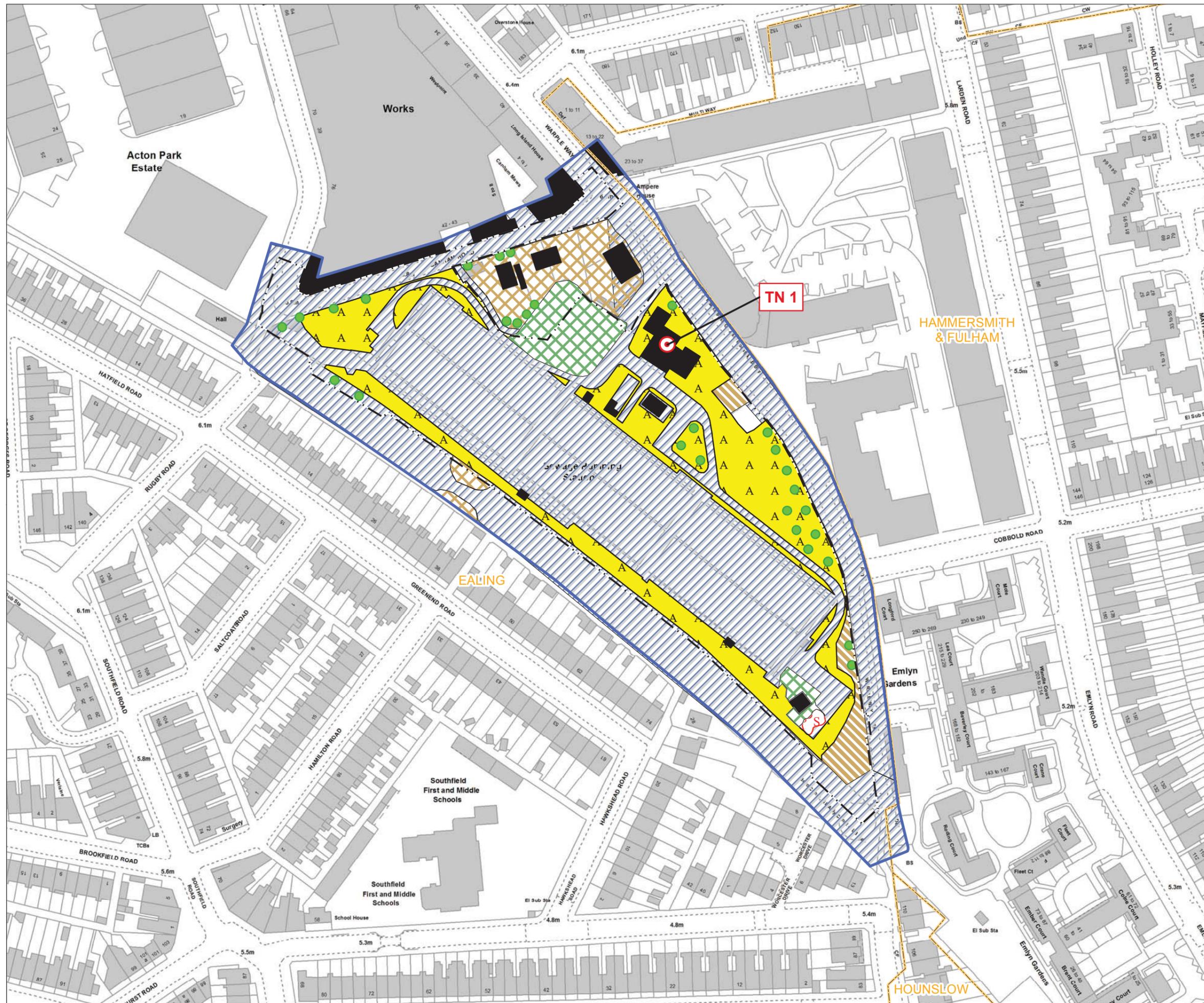
Scale 1 : 1,500 at A3

## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Terrestrial ecology - Phase 1 Habitat Survey

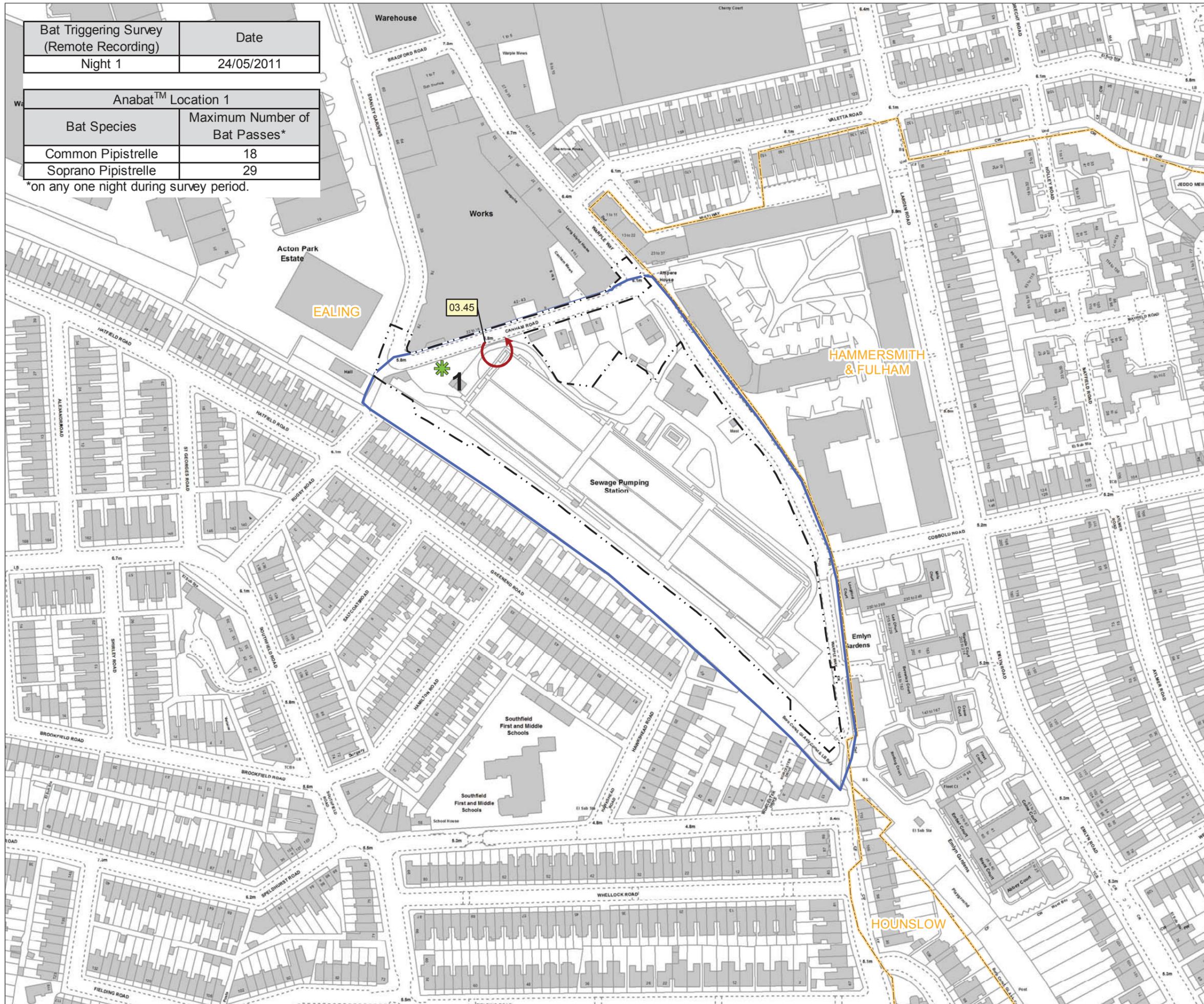
Vol. 4 Figure 6.4.2  
 1PL03-TE-40170  
 January 2013



Bat Triggering Survey (Remote Recording)	Date
Night 1	24/05/2011

Anabat™ Location 1	
Bat Species	Maximum Number of Bat Passes*
Common Pipistrelle	18
Soprano Pipistrelle	29

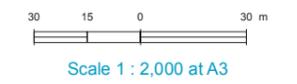
\*on any one night during survey period.



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- Key**
- Limits of Land to be Acquired or Used
  - Survey Area
  - Local Authority Boundary
  - ★ Anabat™ Location (1)
  - Activity Survey (Dawn at 05:08 on 21/07/2011)
  - hh.mm Time of Bat Registration
  - Foraging (Observed)
  - 🦇 Common Pipistrelle



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Terrestrial ecology – bat triggering (remote recording) and bat activity survey  
 Vol. 4 Figure 6.4.3  
 1PL03-TE-40204  
 January 2013





- Key**
- Limits of Land
  - to be Acquired or Used
  - Survey Area
  - Local Authority Boundary

**Note:**  
No notable wintering birds recorded during survey.



Scale 1 : 2,000 at A3

## FOR INFORMATION

**Location**

**Acton Storm Tanks**  
London Borough of Ealing

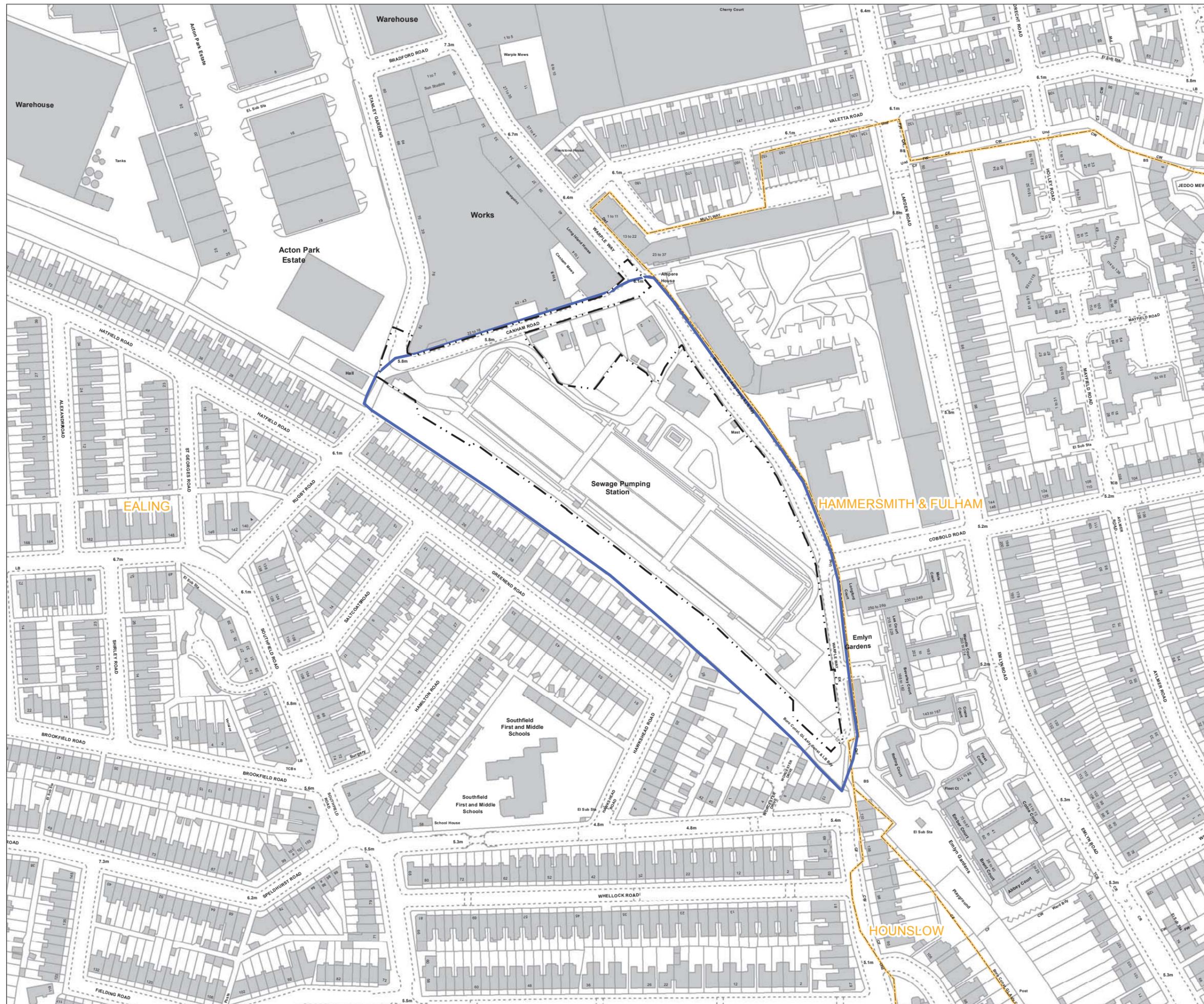
**Document Information**

**Environmental Statement**

Terrestrial ecology – wintering birds survey

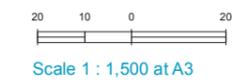
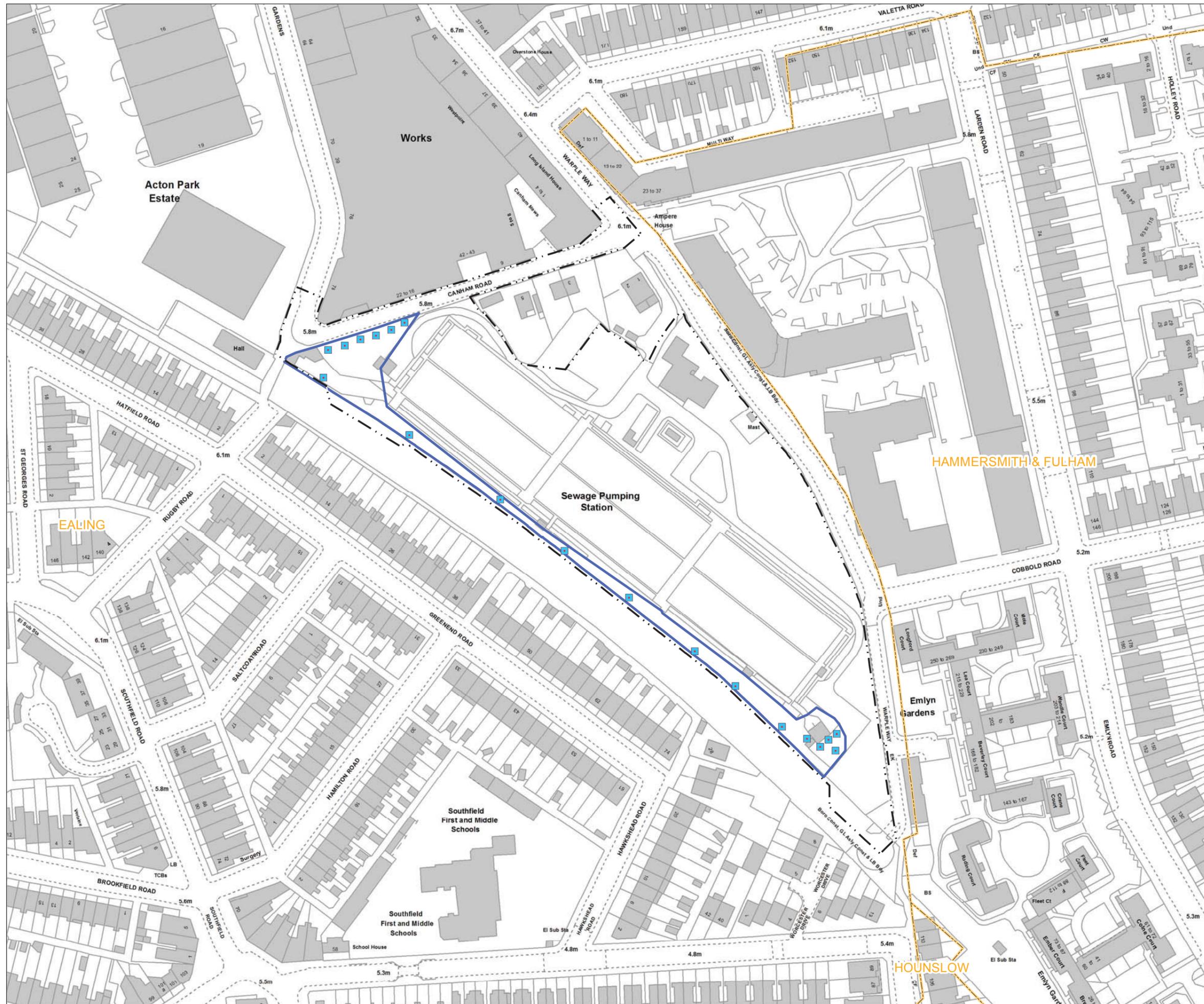
Vol.4 Figure 6.4.4

1PL03-TE-40221  
January 2013





- Key**
- Limits of Land to be Acquired or Used
  - Survey Area
  - Local Authority Boundary
  - Reptile Mat



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Terrestrial ecology – reptile survey

Vol. 4 Figure 6.4.5  
 1PL03-TE-40092  
 January 2013



Keyplan:

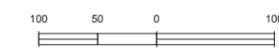


Key

- Limits of Land to be Acquired or Used
- Assessment Area
- Heritage Feature/Findspot
- Past Archaeological Investigation
- Statutorily Listed Building

The reference numbers for historic environment features correspond to the descriptions in the 'Gazetteer of known heritage assets' in Environmental Statement Vol. 4 Appendix E.1

Note: Archaeological Priority Zones/ Conservation Areas not shown



Scale 1 : 6,000 at A3

## FOR INFORMATION

Location

**Acton Storm Tanks**  
London Borough of Ealing

Document Information

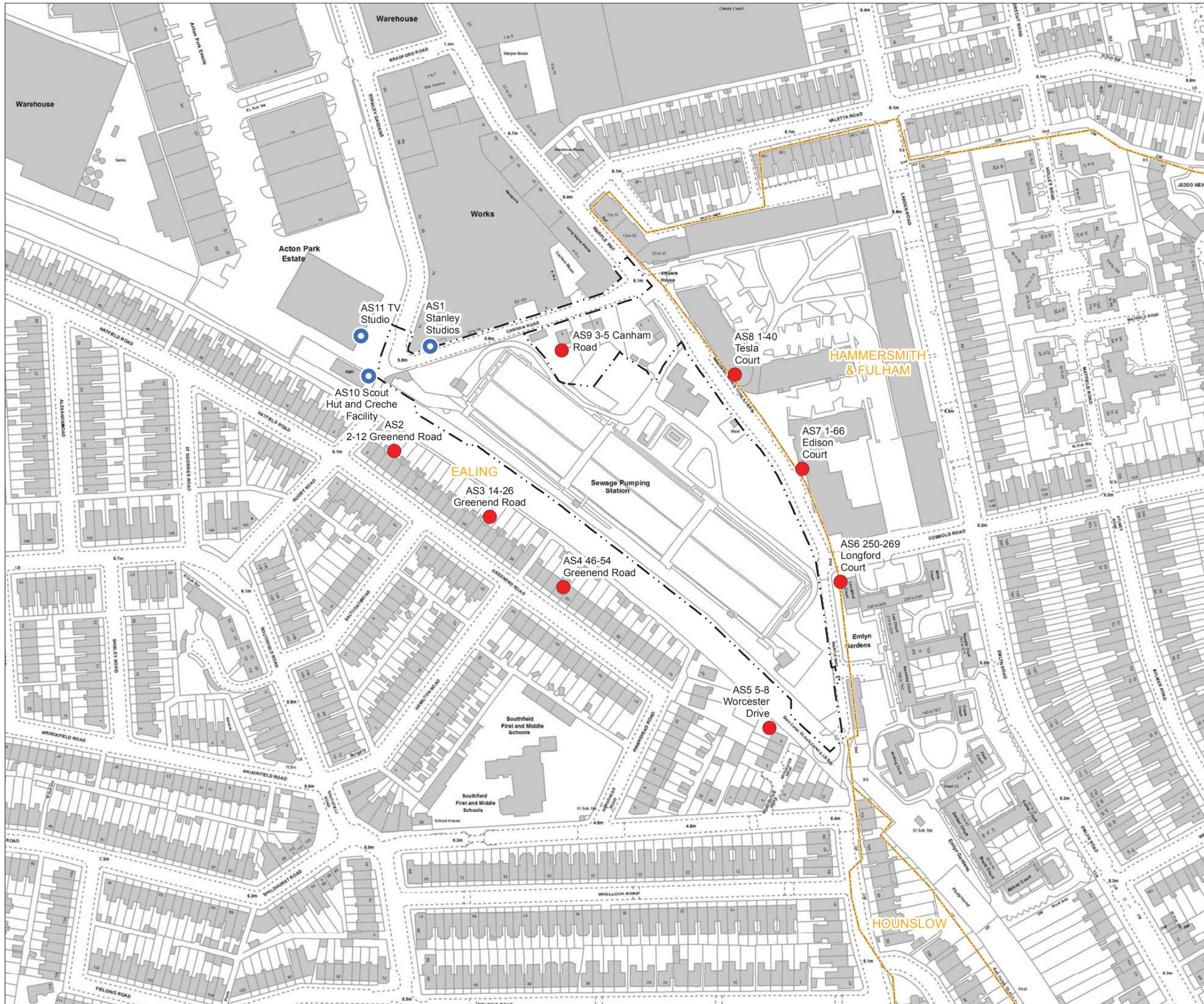
**Environmental Statement**

Historic environment -  
historic environment features map  
Vol.4 Figure 7.4.1

1PL03-HE-60070  
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 : 2,000 at A3

## FOR INFORMATION

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
Environmental Statement

Noise and vibration - receptor locations

Vol.27 Figure 9.4.1

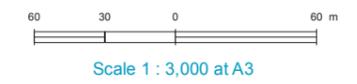
1PL03-NV-40118  
January 2013



- Key**
- Limits of Land to be Acquired or Used
  - Receptors and Site Context Features

- Receptors and Site Context Features**
1. Semi-Private Amenity Space – Emlyn Gardens
  2. Semi-Private Amenity Space – Factory Quarter
  3. Wendell Park
  4. Community Hall – Scout Hut and Nursery

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

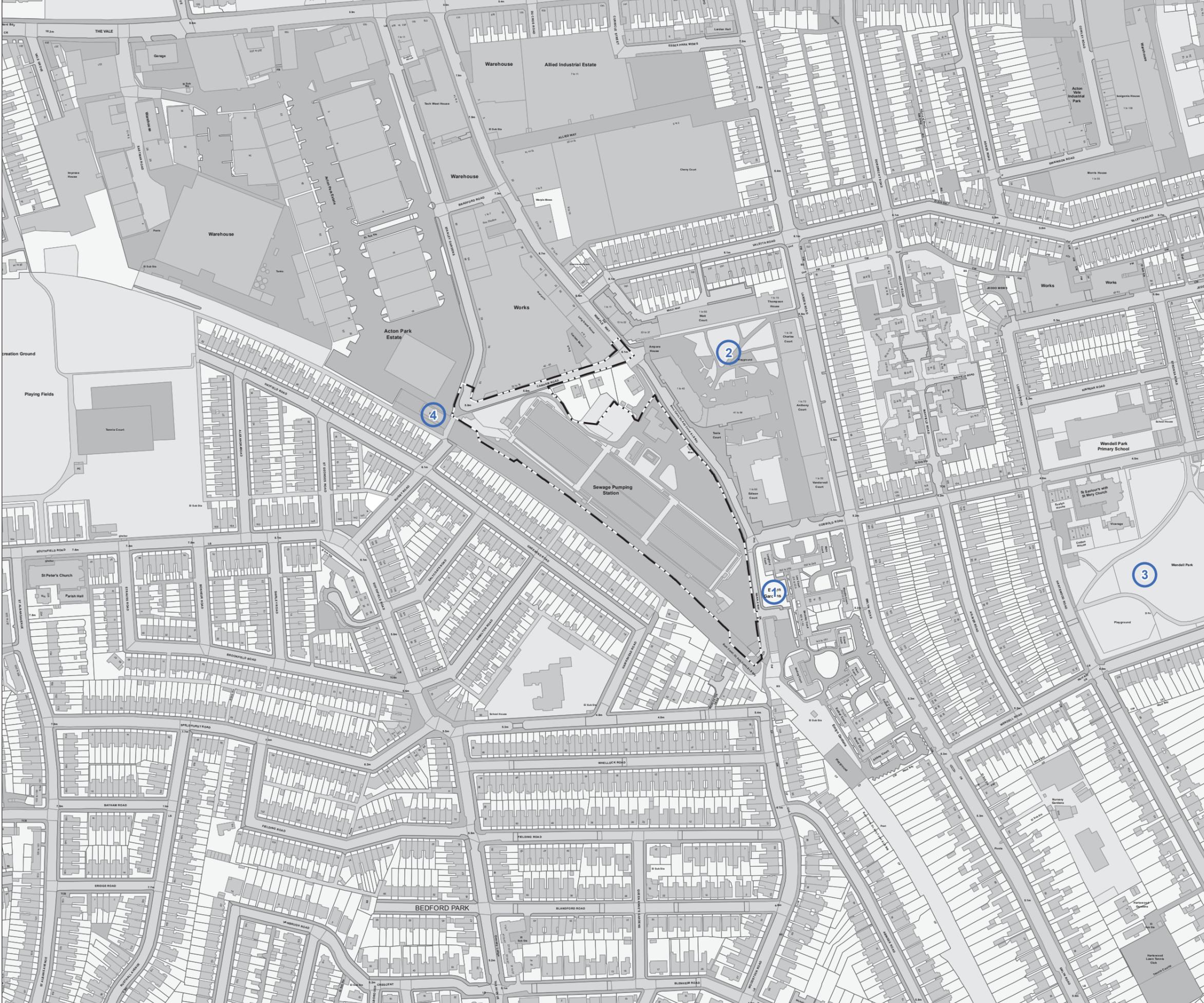


## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Socio-economics - context plan

Vol.4 Figure 10.4.1  
 1PL03-SE-20058  
 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

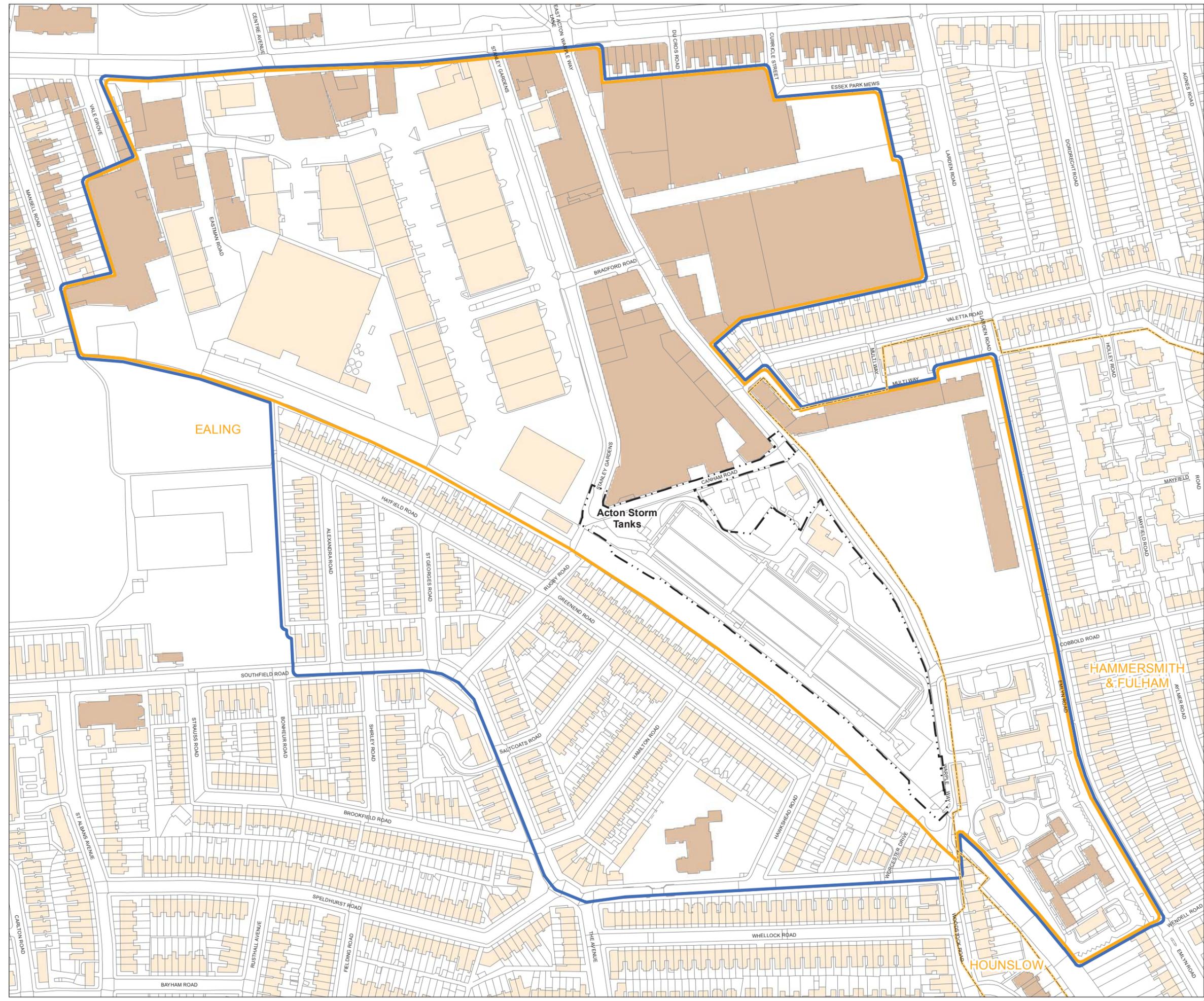
Building heights  
 0 - 20m  
 20 - 40m  
 40 - 60m  
 60 - 80m  
 80 - 100m  
 >100m

40 20 0 40 m  
 Scale 1 : 2,500 at A3

## FOR INFORMATION

**Location**  
 Acton Storm Tanks  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Townscape and visual  
 Development pattern and scale  
 Vol. 4 Figure 11.4.1  
 1PL03-TS-40346  
 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



## FOR INFORMATION

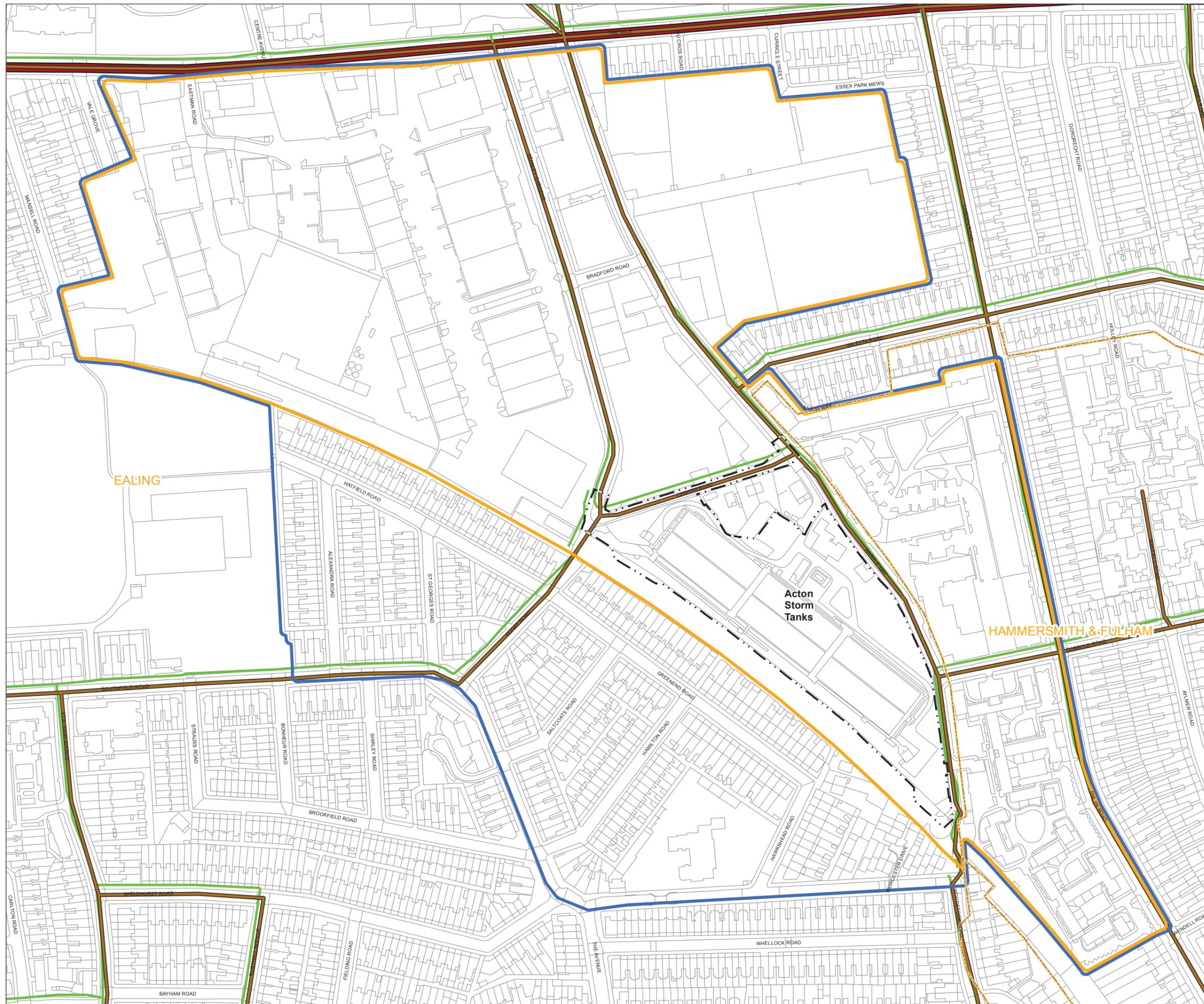
**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
**Environmental Statement**  
Townscape and visual  
Aerial photo showing pattern of vegetation  
Vol. 4 Figure 11.4.2  
1PL03-TS-40347  
January 2013





- 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
  - Provision for cyclists alongside busy roads
  - London cycle routes
  - A roads



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

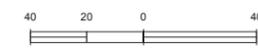
**Document Information**  
**Environmental Statement**  
 Townscape and visual  
 Transport routes  
 Vol. 4 Figure 11.4.3  
 1PL03-TS-40348  
 January 2013





- 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

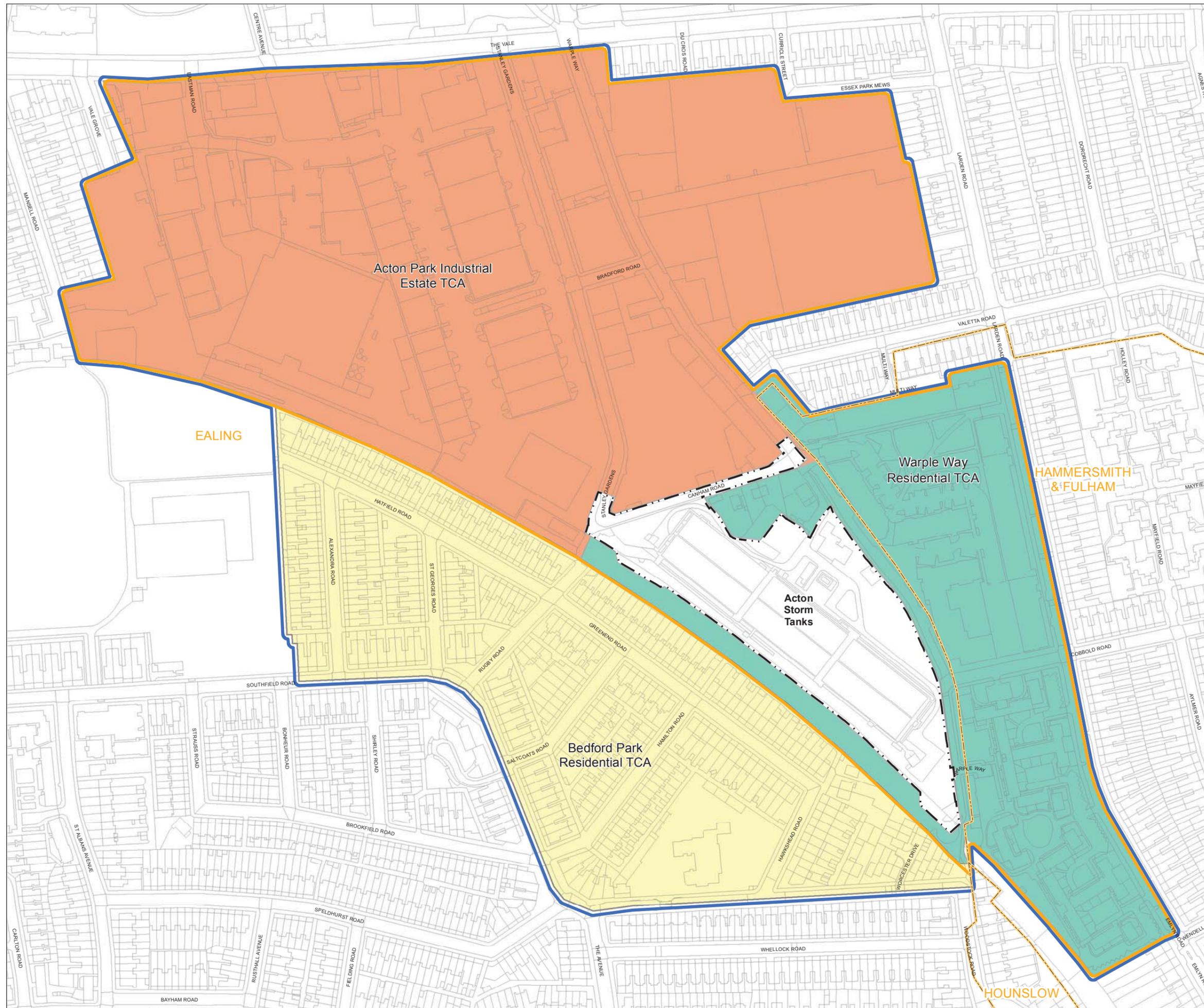


Scale 1 : 2,500 at A3

## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Townscape and visual  
 Townscape character areas  
 Vol. 4 Figure 11.4.4  
 1PL03-TS-40349  
 January 2013



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
- Verifiable photomontage locations
- Construction phase ZTV
- Operational phase ZTV



Scale 1 : 2,500 at A3

## FOR INFORMATION

Location

**Acton Storm Tanks**  
London Borough of Ealing

Document Information

**Environmental Statement**

Townscape and visual  
Viewpoints  
Vol. 4 Figure 11.4.5

1PL03-TS-40350  
January 2013



Current baseline

Tesla Court

Warple Way

Canham Road



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Keyplan:



**Technical information**

Location: Viewpoint 1.1: View west from residences on the junction of Warple Way and Canham Road  
 Date taken: 5 December 2011  
 Time taken: 11:17  
 Focal length: 28.075mm

This verifiable photomontage shows an illustration of the site in Year 1 of operation. The layout of the proposed development may change within the zones shown on the Site works parameter plan [see volume of figures – Section 1], however the assessment of effects would be no worse than that described in the Environmental Statement Vol 4 Acton Storm Tanks – Section 11 Townscape and visual.

Expanded image



Operational phase verifiable photomontage

Ventilation column



Expanded image



Ventilation column

**FOR INFORMATION**

**Location**

**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**

**Environmental Statement**

Townscape and visual  
 Viewpoint 1.1  
 Operational phase verifiable photomontage  
 Vol 4 Figure 11.6.1  
 1PL03-TS-40351  
 January 2013

Thames Tideway Tunnel  
 Creating a cleaner, healthier River Thames



**Current baseline**



Warple Way

Tesla Court

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**Technical information**

Location: Viewpoint 1.3: View northeast from residences along Warple Way adjacent to the site  
Date taken: 5 December 2011  
Time taken: 11.07  
Focal length: 28.074mm

This verifiable photomontage shows an illustration of the site in Year 1 of operation. The layout of the proposed development may change within the zones shown on the Site works parameter plan [see volume of figures – Section 1], however the assessment of effects would be no worse than that described in the Environmental Statement Vol 4 Acton Storm Tanks – Section 11 Townscape and visual.

**Operational phase verifiable photomontage**

Advance planting along Warple Way

Ventilation column



**FOR INFORMATION**

**Location**  
**Acton Storm Tanks**  
London Borough of Ealing

**Document Information**  
**Environmental Statement**

Townscape and visual  
Viewpoint 1.3  
Operational phase verifiable photomontage  
Vol 4 Figure 11.6.2  
1PL03-TS-40352  
January 2013

Thames Tideway Tunnel  
Creating a cleaner, healthier River Thames



**Current baseline**

Hatfield Road

Rugby Road

Greenend Road

Rugby Road



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Keyplan:



**Technical information**

Location: Viewpoint 1.7: View east from the junction of Rugby Road, Hatfield Road and Greenend Road

Date taken: 5 December 2011

Time taken: 11.27

Focal length: 28.070mm

This verifiable photomontage shows an illustration of the site in Year 1 of operation. The layout of the proposed development may change within the zones shown on the Site works parameter plan [see volume of figures – Section 1], however the assessment of effects would be no worse than that described in the Environmental Statement Vol 4 Acton Storm Tanks – Section 11 Townscape and visual.

Expanded image



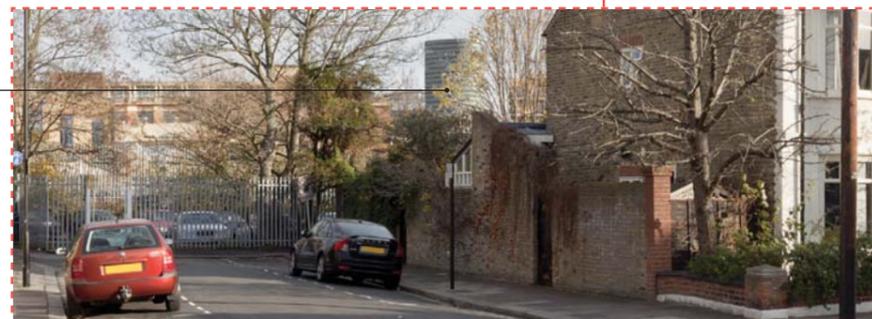
**Operational phase verifiable photomontage**

Ventilation column



Expanded image

Ventilation column



**FOR INFORMATION**

**Location**

**Acton Storm Tanks**  
London Borough of Ealing

**Document Information**

**Environmental Statement**

Townscape and visual

Viewpoint 1.7

Operational phase verifiable photomontage

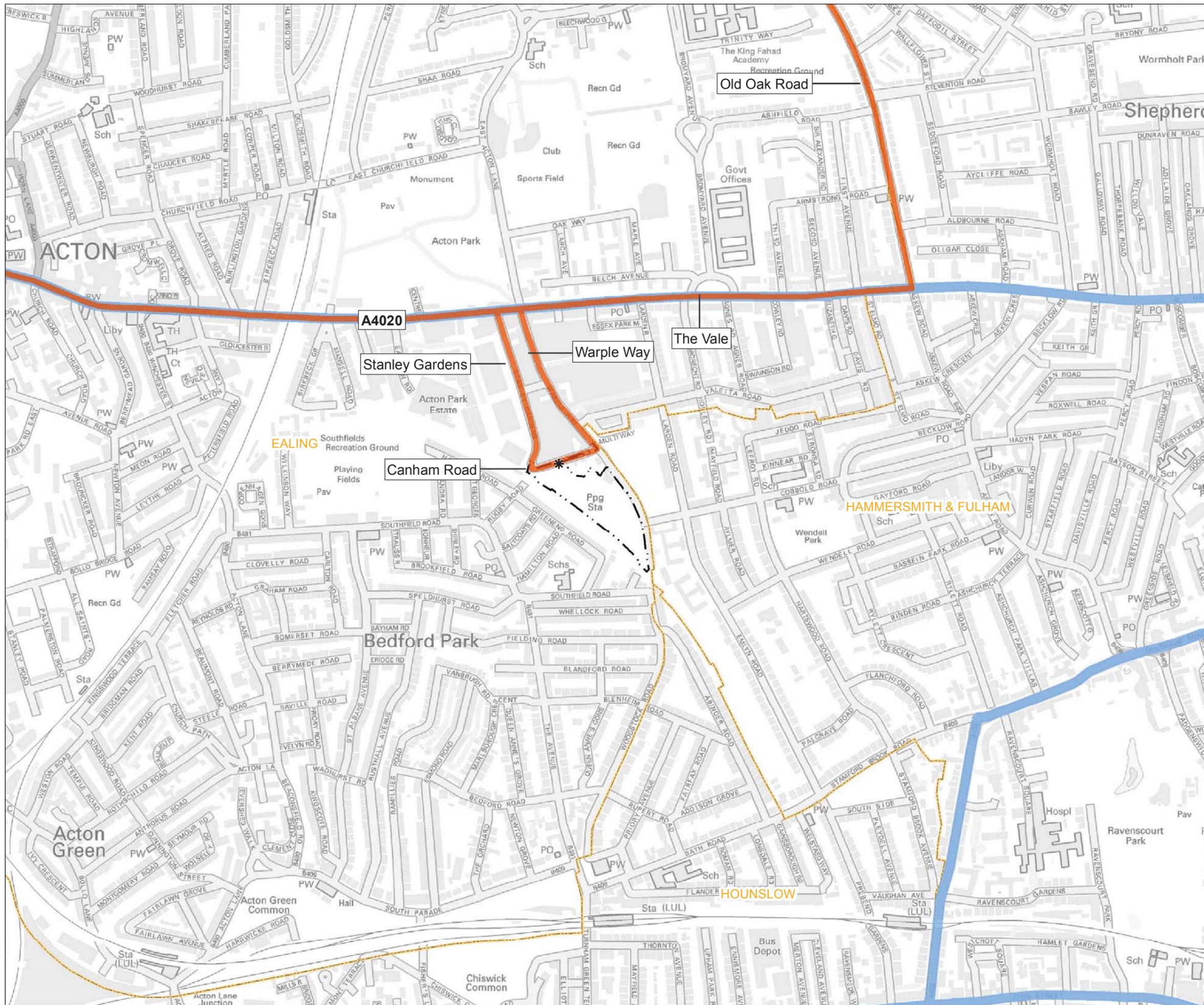
Vol 4 Figure 11.6.3

1PL03-TS-40353

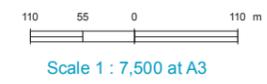
January 2013

Thames Tideway Tunnel  
Creating a cleaner, healthier River Thames





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



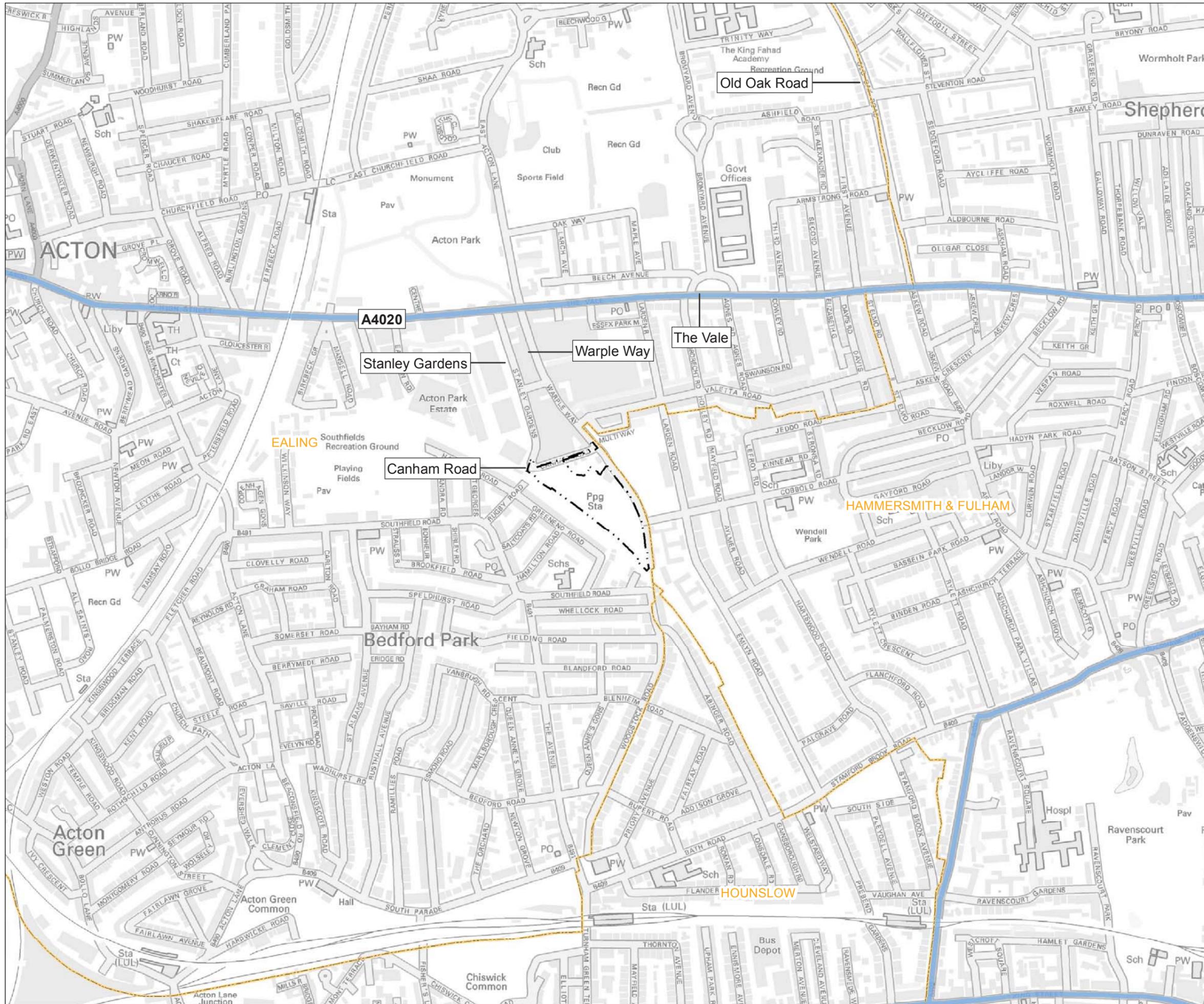
## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Transport - construction traffic routes

Vol.4 Figure 12.2.1  
 1PL03-TT-50497  
 January 2013





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



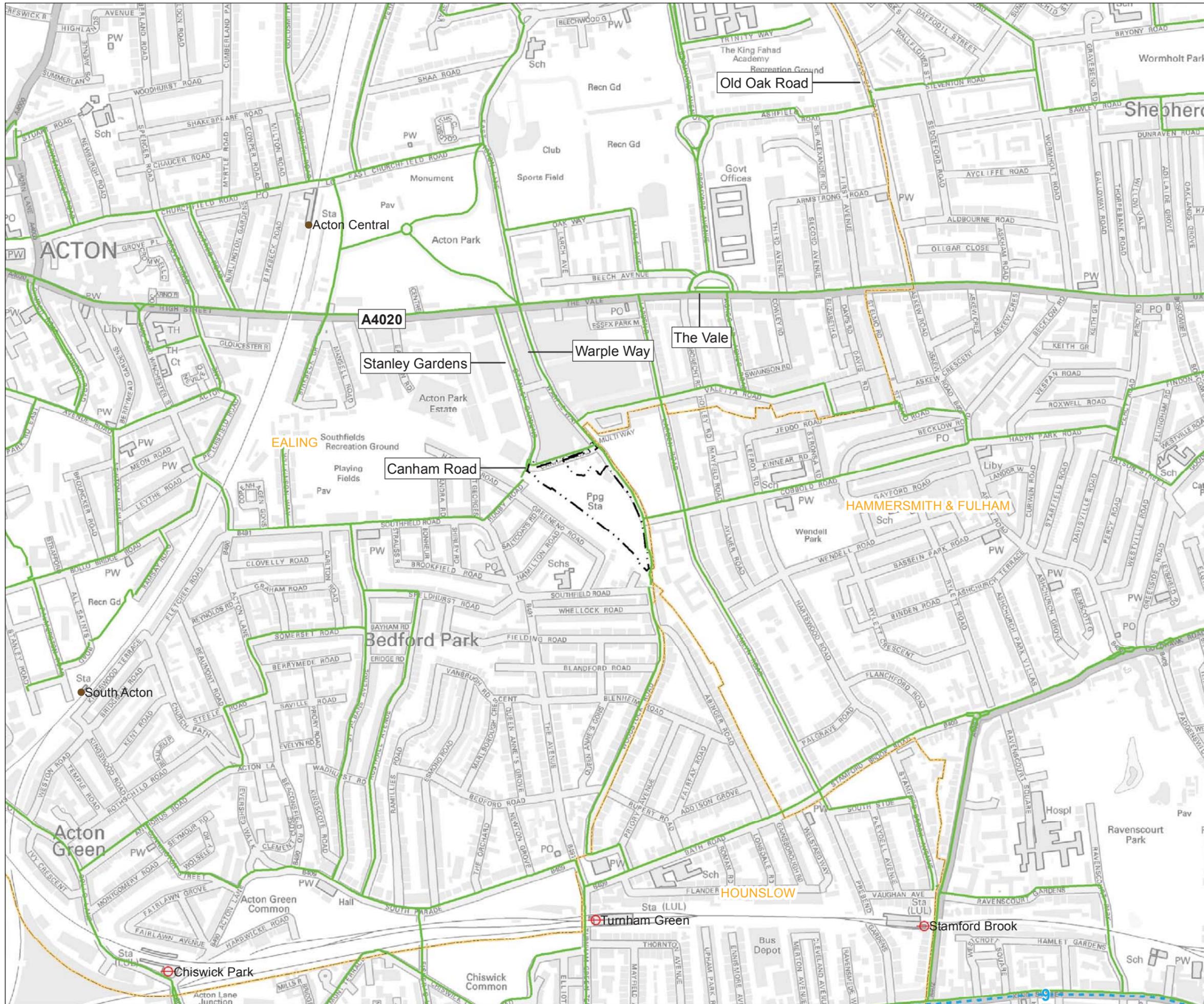
## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

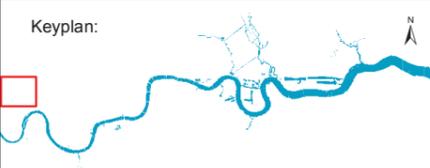
**Document Information**  
**Environmental Statement**  
 Transport - site location plan

Vol.4 Figure 12.4.1  
 1PL03-TT-50505  
 January 2013





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- Key**
- National rail stations with cycle parking
  - Underground stations with cycle parking
  - Cycle superhighway (open 2013)
  - London cycle routes
  - Limits of Land to be Acquired or Used
  - Local authority boundary



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

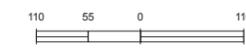
**Document Information**  
**Environmental Statement**  
 Transport - pedestrian and cycle network

Vol.4 Figure 12.4.2  
 1PL03-TT-50513  
 January 2013





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



Scale 1 : 7,500 at A3

## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

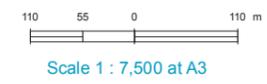
**Document Information**  
**Environmental Statement**  
 Transport - public transport

Vol.4 Figure 12.4.3  
 1PL03-TT-50521  
 January 2013





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

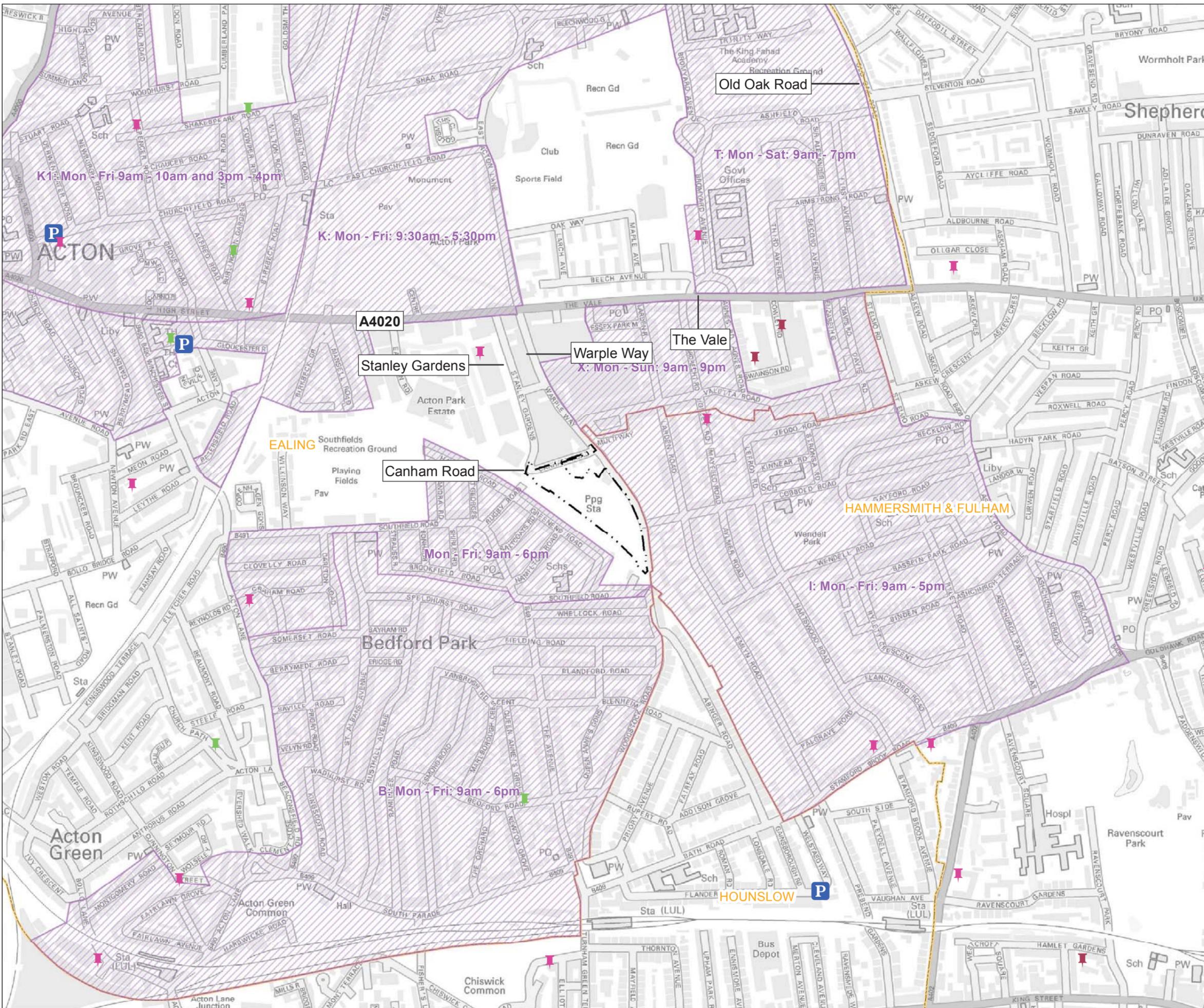


## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

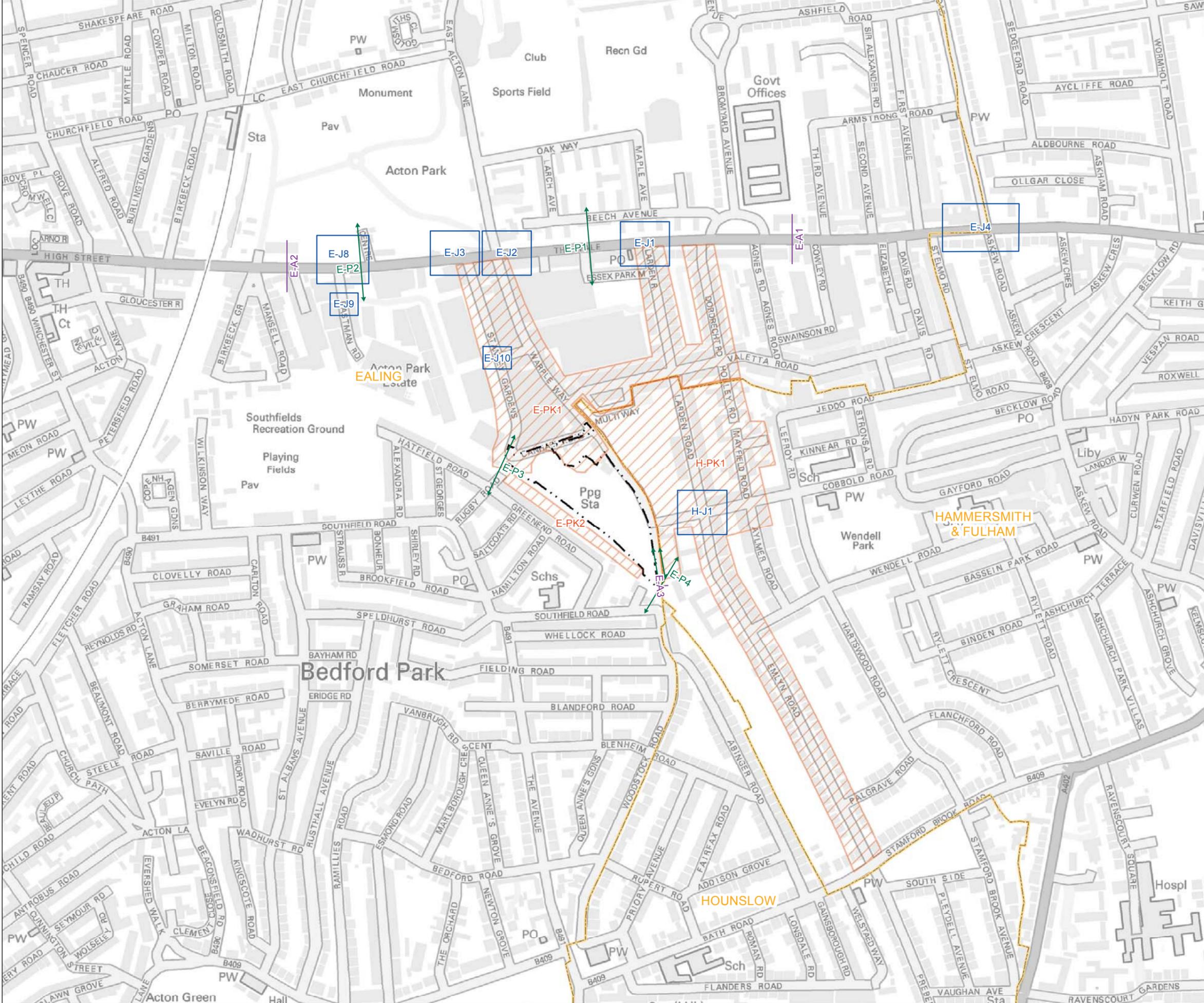
**Document Information**  
**Environmental Statement**  
 Transport - parking

Vol.4 Figure 12.4.4  
 1PL03-TT-50529  
 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**  
**Acton Storm Tanks**  
 London Borough of Ealing

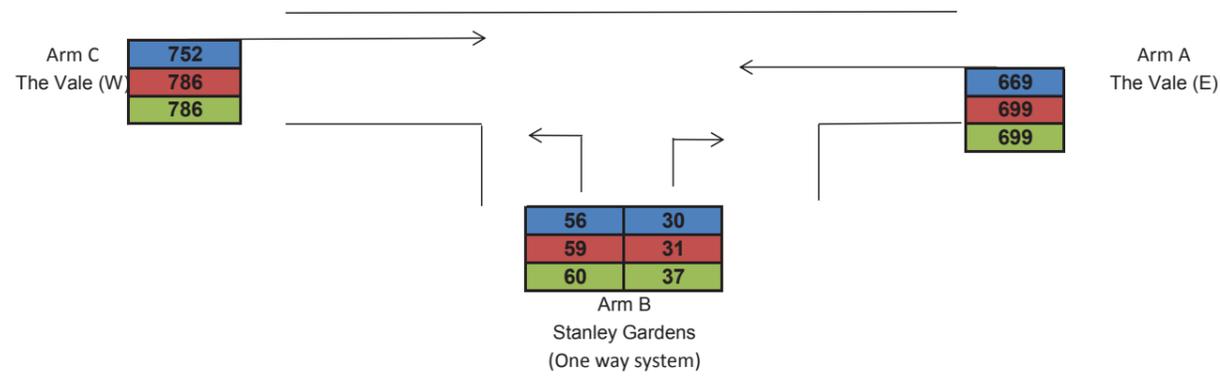
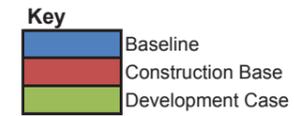
**Document Information**  
**Environmental Statement**  
 Transport - survey locations

Vol.4 Figure 12.4.5  
 1PL03-TT-50537  
 January 2013



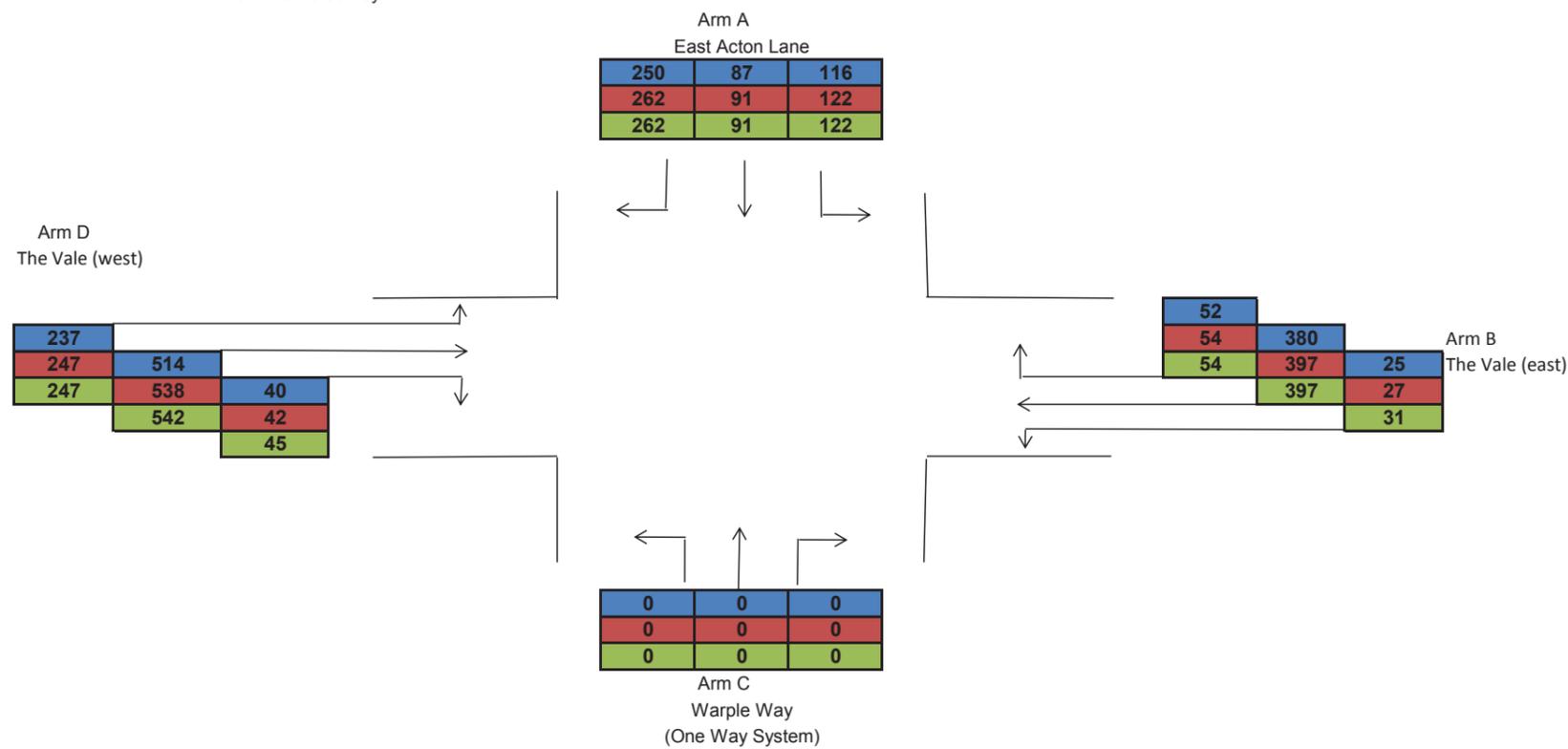
Site: Acton  
 Borough: Ealing  
 Junction: The Vale/ Stanley Gardens (out only)  
 Junction no.: PBA 1

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



Site: Acton  
 Borough: Ealing  
 Junction: The Vale/ Stanley Gardens (in only)  
 Junction no.: PBA 3

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



**FOR INFORMATION**

**Location**  
**Acton ST**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**

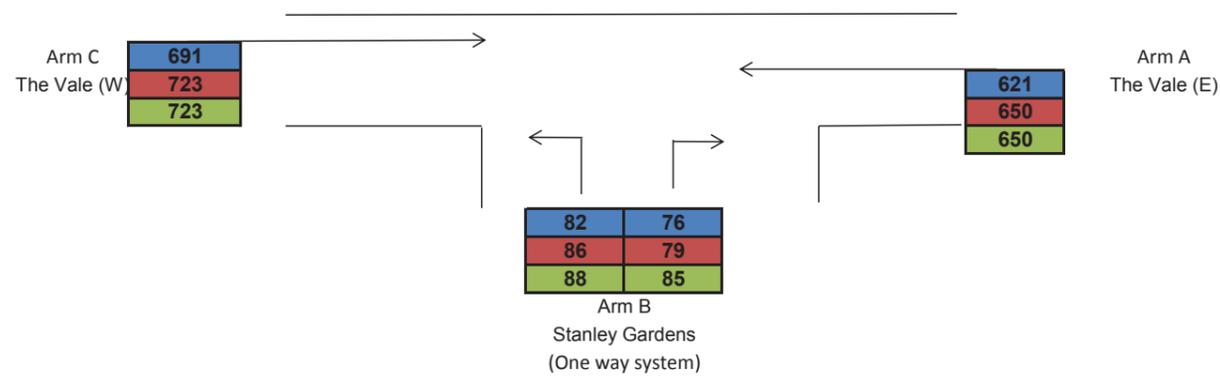
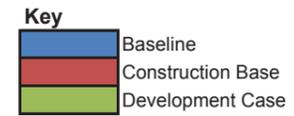
Baseline, Construction and Development case traffic flow (AM peak hour)

Vol. 4 Figure 12.4.6  
 1PL03-TT-50868  
 January 2013



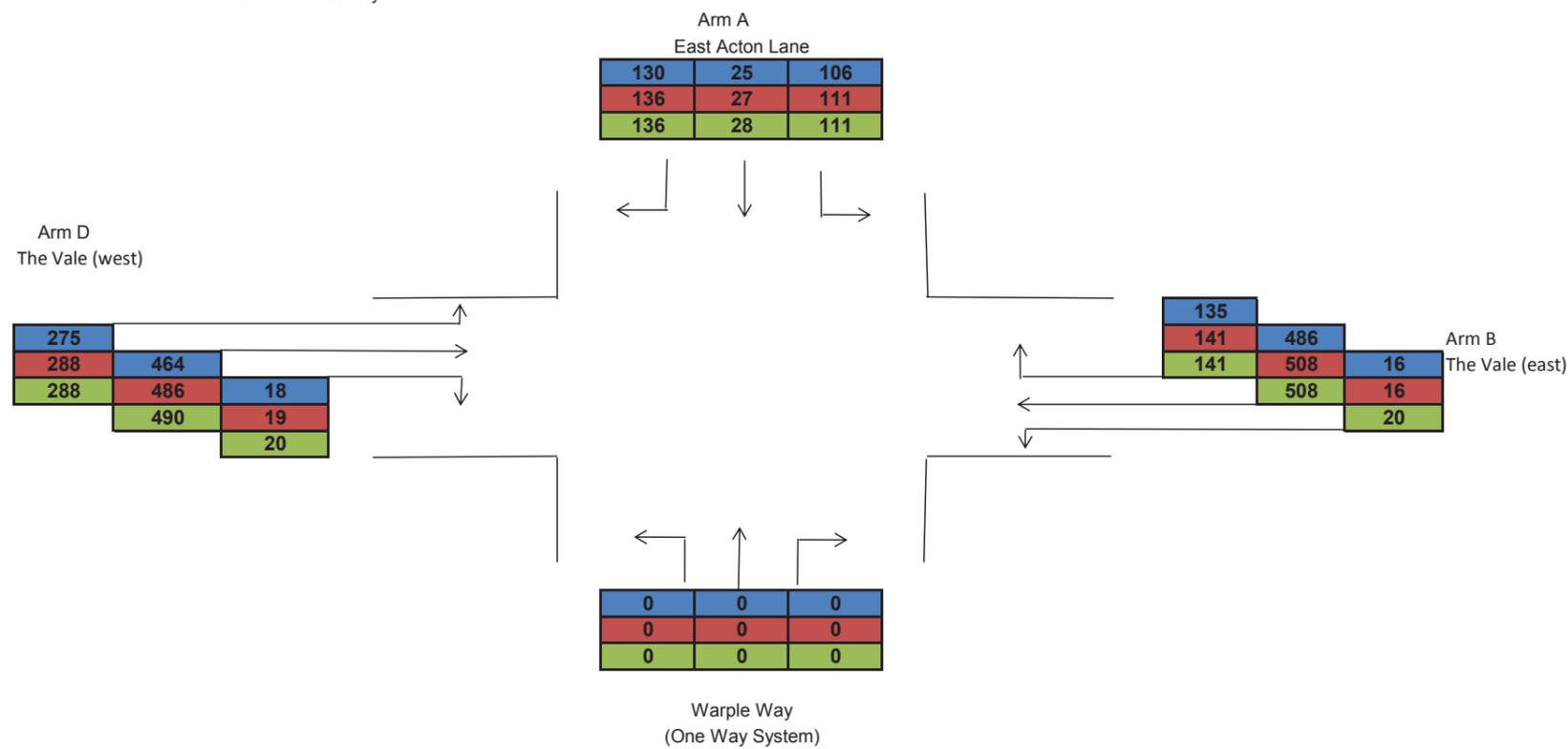
Site: Acton  
 Borough: Ealing  
 Junction: The Vale/ Stanley Gardens (out only)  
 Junction no.: PBA 1

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



Site: Acton  
 Borough: Ealing  
 Junction: The Vale/ Stanley Gardens (in only)  
 Junction no.: PBA 3

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



**FOR INFORMATION**

**Location**  
 Acton ST  
 London Borough of Ealing

**Document Information**  
 Environmental Statement

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

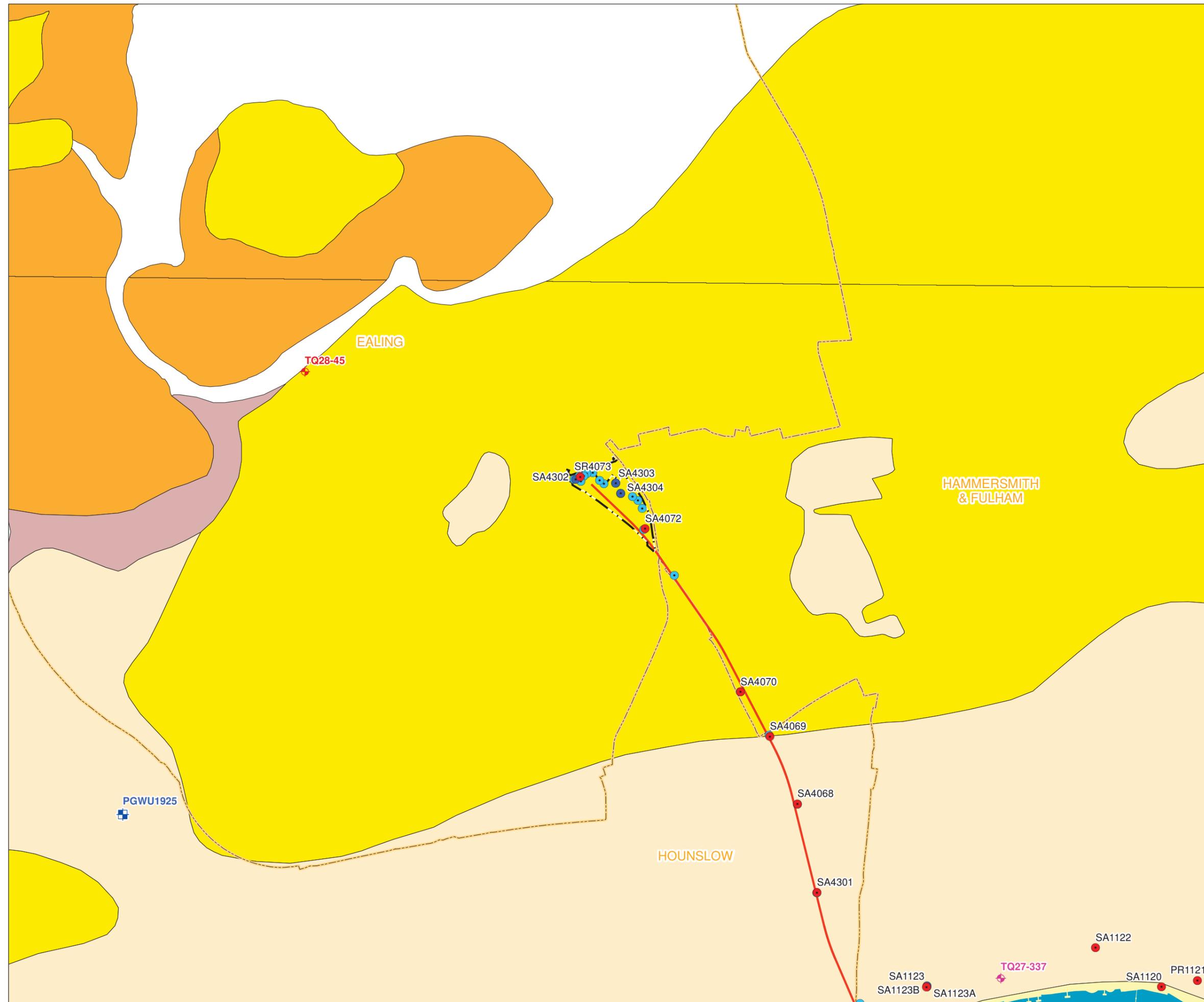
Vol. 4 Figure 12.4.7  
 1PL03-TT-50892  
 January 2013



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- Key
- Limits of Land to be Acquired or Used
  - Thames Tideway Tunnel
    - Main Tunnel
  - Local Authority Boundary
  - Drilled Boreholes
    - Depth (m)
      - 0 - 10
      - 10 - 30
      - 30+
    - Proposed Boreholes
      - Water
      - Land
  - EA Groundwater Level Monitoring Locations
    - ◆ Historical Data Available
    - ◆ Recent Data Available
    - ◆ EA Water Quality Monitoring Locations
  - Superficial Geology
    - Head
    - Alluvium
    - Kempton Park Gravel Member
    - Langley Silt Member
    - Lynch Hill Gravel Member



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

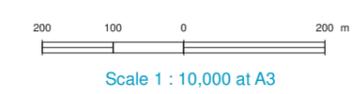
**Document Information**  
**Environmental Statement**  
 Water resources – groundwater - superficial geology  
 Vol.4 Figure 13.4.1  
 1PL03-WR-20104  
 January 2013



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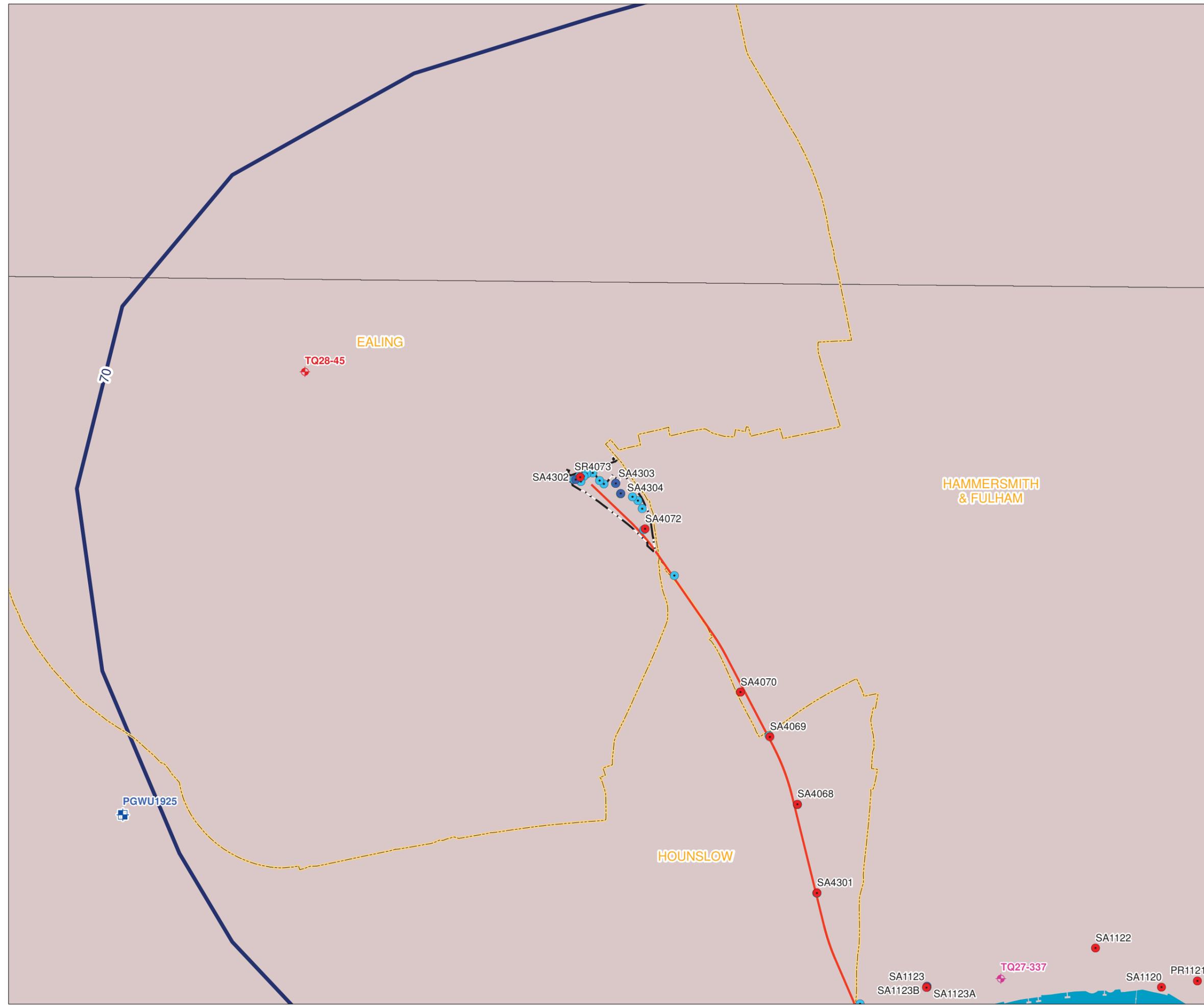
- Key
- Limits of Land to be Acquired or Used
  - : Acquired or Used
  - Thames Tideway Tunnel
    - Main Tunnel
    - Local Authority Boundary
  - Drilled Boreholes
    - Depth (m)
      - 0 - 10
      - 10 - 30
      - 30+
    - Proposed Boreholes
      - Water
      - Land
    - EA Groundwater Level Monitoring Locations
      - Historical Data Available
      - Recent Data Available
      - EA Water Quality Monitoring Locations
      - EA Chalk Piezometric Level (mATD) - Jan 11
    - Solid Geology
      - London Clay Formation



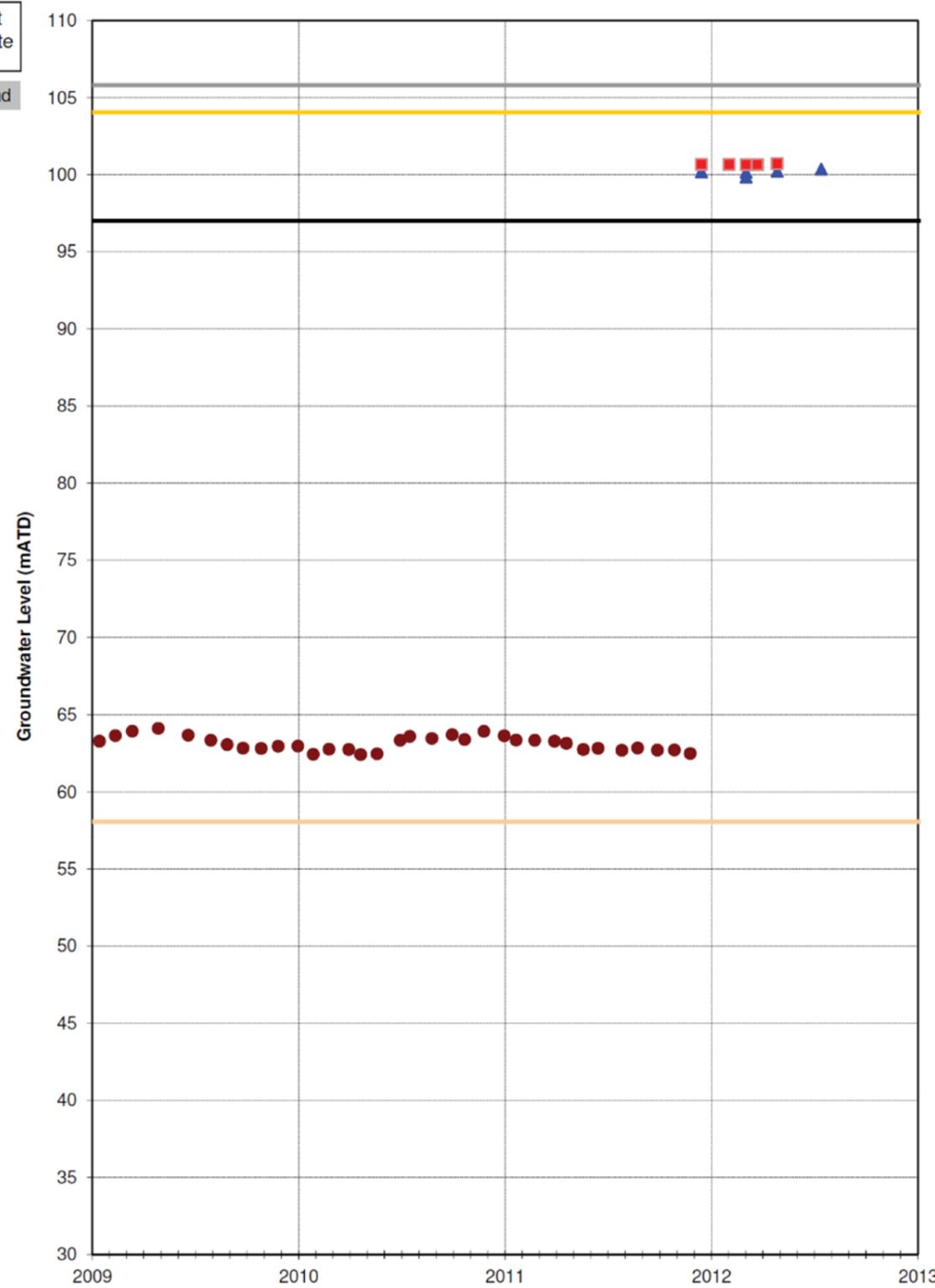
## FOR INFORMATION

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
**Environmental Statement**  
Water resources – groundwater - solid geology  
Vol.4 Figure 13.4.2  
1PL03-WR-20105  
January 2013



**Geology at the Shaft Site**

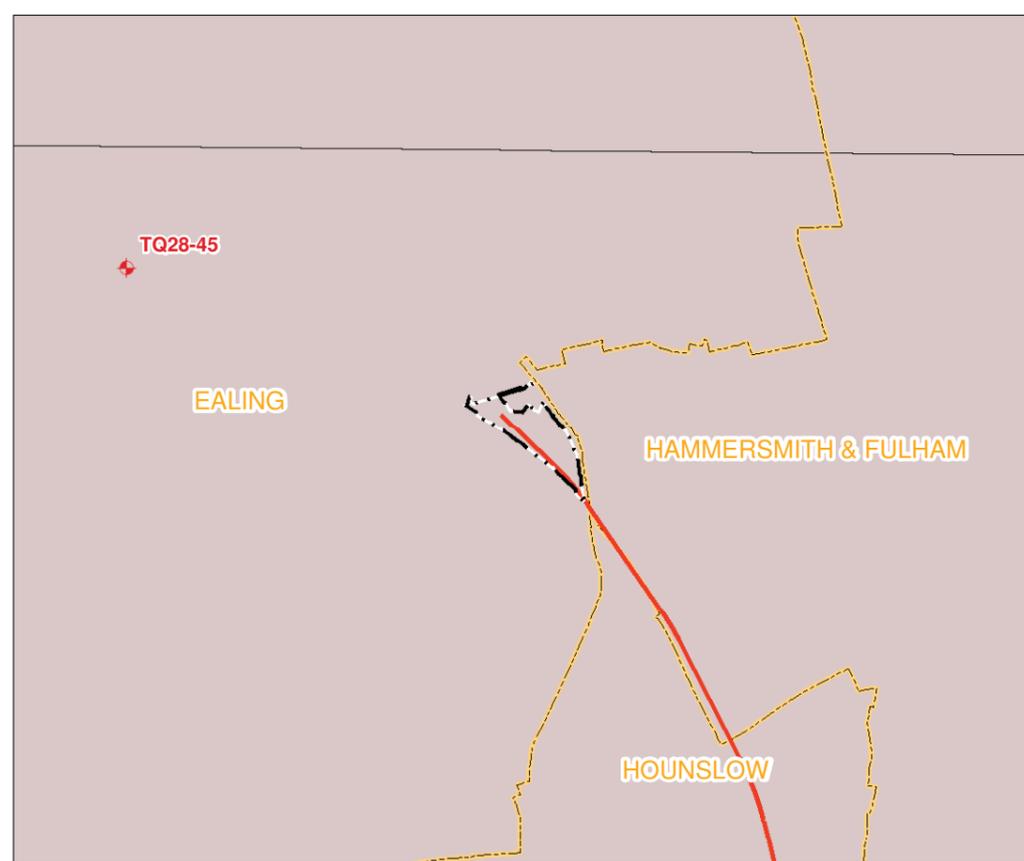
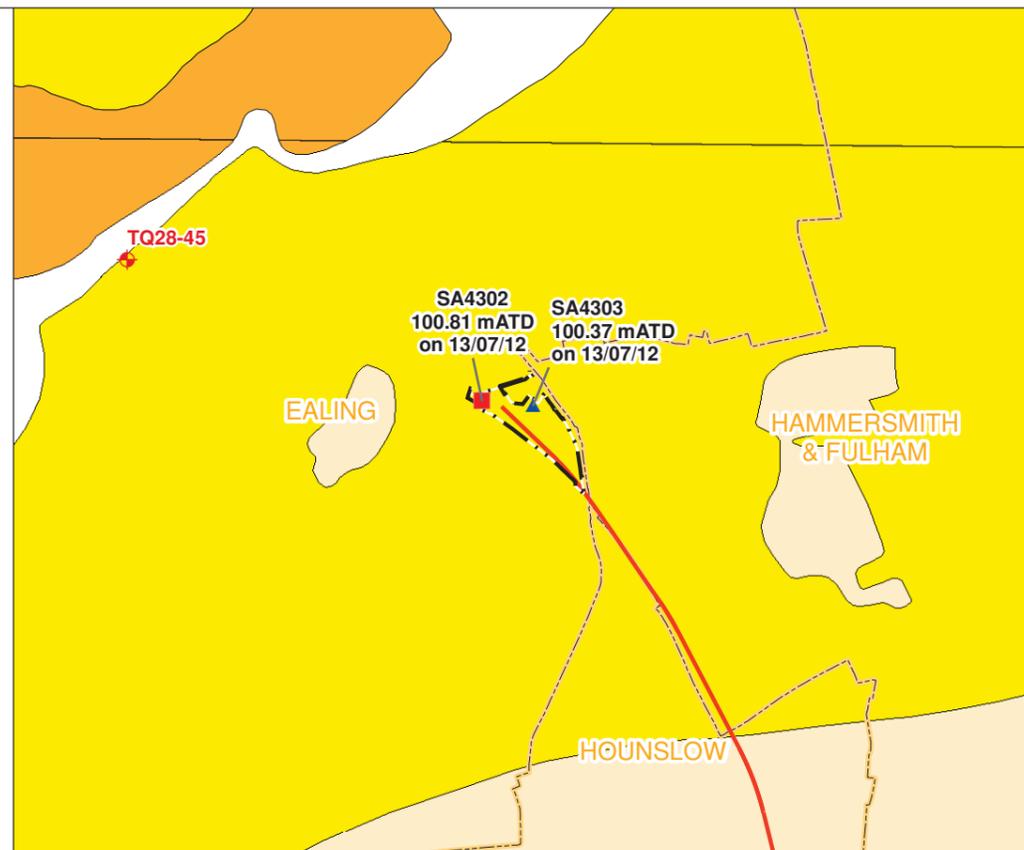
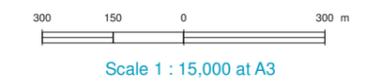


▲ SA4303 RTD (Dip)      ● TQ28/45 (EA OBS BH)      ■ SA4302 RTD (Dip)

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- Key**
- Limits of Land to be Acquired or Used
  - Thames Tideway Tunnel
  - Main Tunnel
  - Local Authority Boundary
  - Drilled Boreholes Upper Aquifer Water Levels
  - ▲ SA4303
  - SA4302
  - EA Groundwater Level Monitoring Locations
  - ◆ Recent Data Available
  - Superficial Geology
  - Kempton Park Gravel Member
  - Langley Silt Member
  - Lynch Hill Gravel Member
  - Solid Geology
  - London Clay Formation



**FOR INFORMATION**

**Location**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
**Environmental Statement**  
Water resources – groundwater - monitoring locations  
Vol.4 Figure 13.4.3  
1PL03-WR-20106  
January 2013



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



## FOR INFORMATION

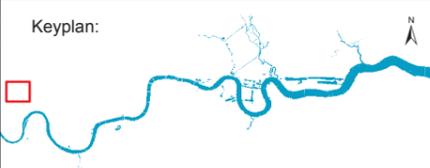
**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Water resources - surface water - water quality monitoring points  
 Vol.4 Figure 14.4.1  
 1PL03-WR-21001  
 January 2013





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- Key
- Limits of Land to be Acquired or Used
  - EA Flood Zone 3
  - EA Flood Zone 2



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Flood risk - EA flood zones

Vol.4 Figure 15.3.1  
 1PL03-FL-20127  
 January 2013

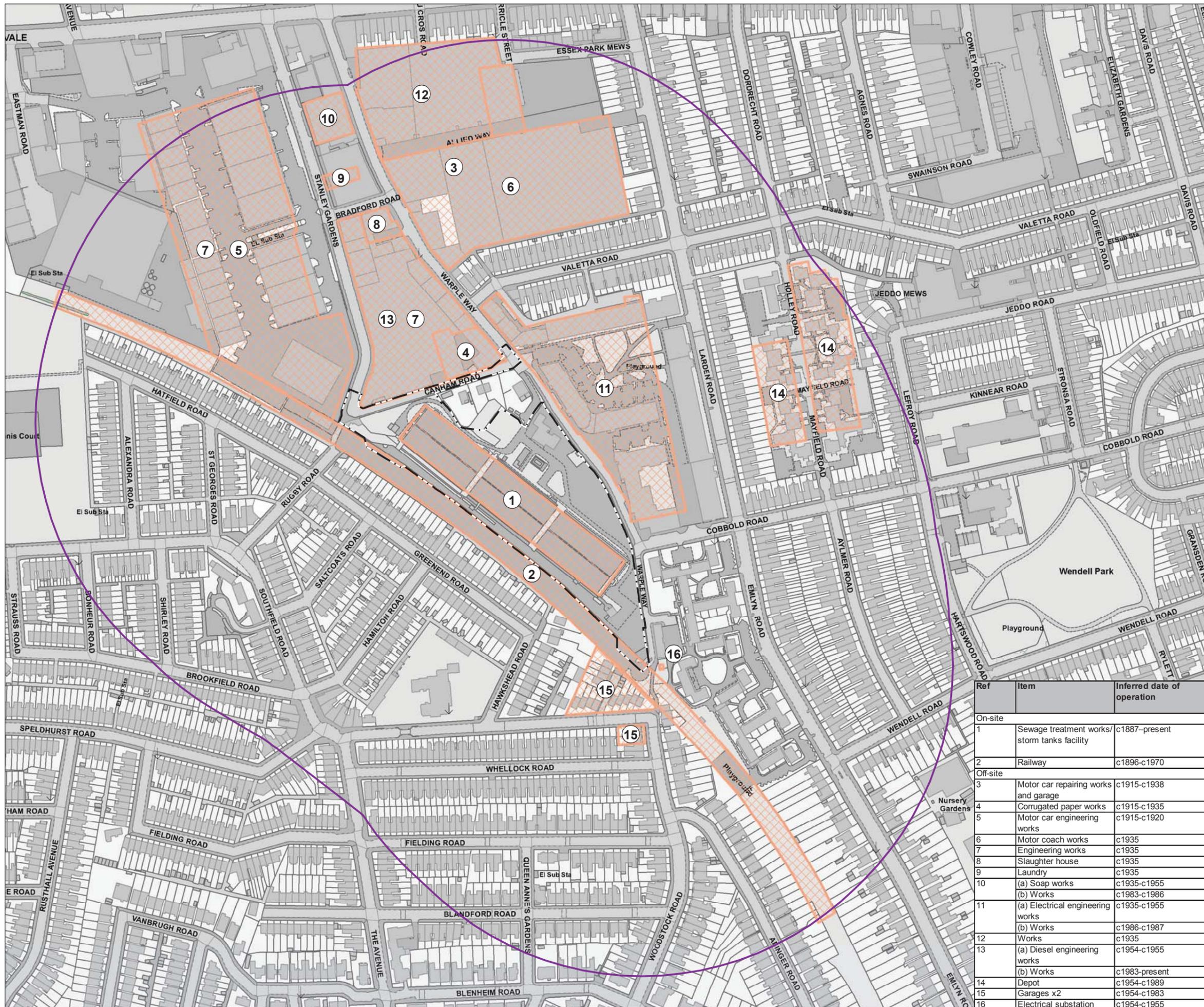


Keyplan:

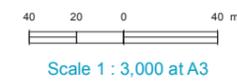


Key

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



Ref	Item	Inferred date of operation
On-site		
1	Sewage treatment works/storm tanks facility	c1887-present
2	Railway	c1896-c1970
Off-site		
3	Motor car repairing works and garage	c1915-c1938
4	Corrugated paper works	c1915-c1935
5	Motor car engineering works	c1915-c1920
6	Motor coach works	c1935
7	Engineering works	c1935
8	Slaughter house	c1935
9	Laundry	c1935
10	(a) Soap works	c1935-c1955
	(b) Works	c1983-c1986
11	(a) Electrical engineering works	c1935-c1955
	(b) Works	c1986-c1987
12	Works	c1935
13	(a) Diesel engineering works	c1954-c1955
	(b) Works	c1983-present
14	Depot	c1954-c1989
15	Garages x2	c1954-c1983
16	Electrical substation	c1954-c1955



## FOR INFORMATION

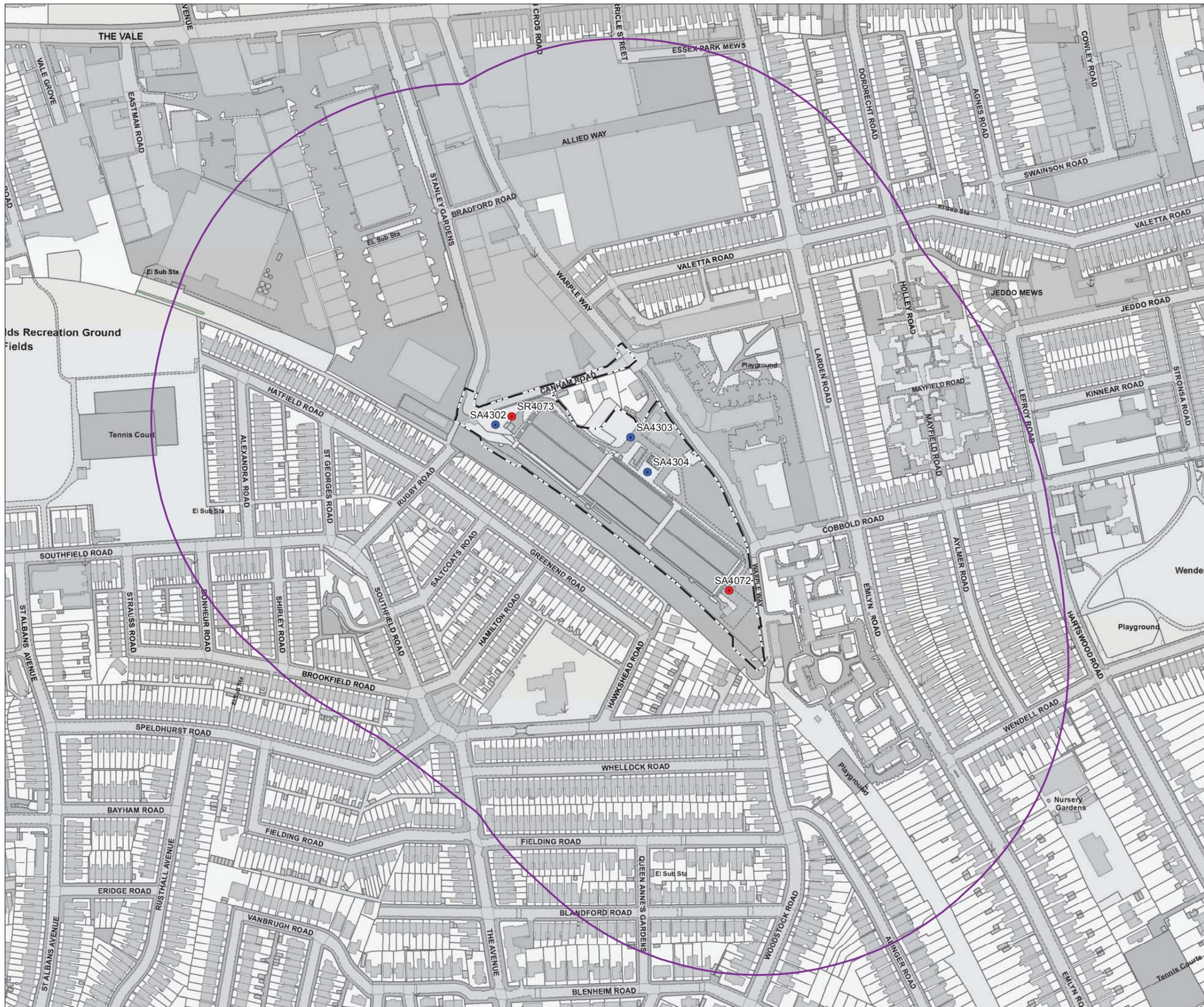
**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Land quality - potentially contaminating land-uses  
 Vol.4 Figure F.1.1  
 1PL03-LQ-30093  
 January 2013





- 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**  
Acton Storm Tanks  
London Borough of Ealing

**Document Information**  
Environmental Statement  
Land quality - borehole locations

Vol.4 Figure F.1.2  
1PL03-LQ-30092  
January 2013



Keyplan:

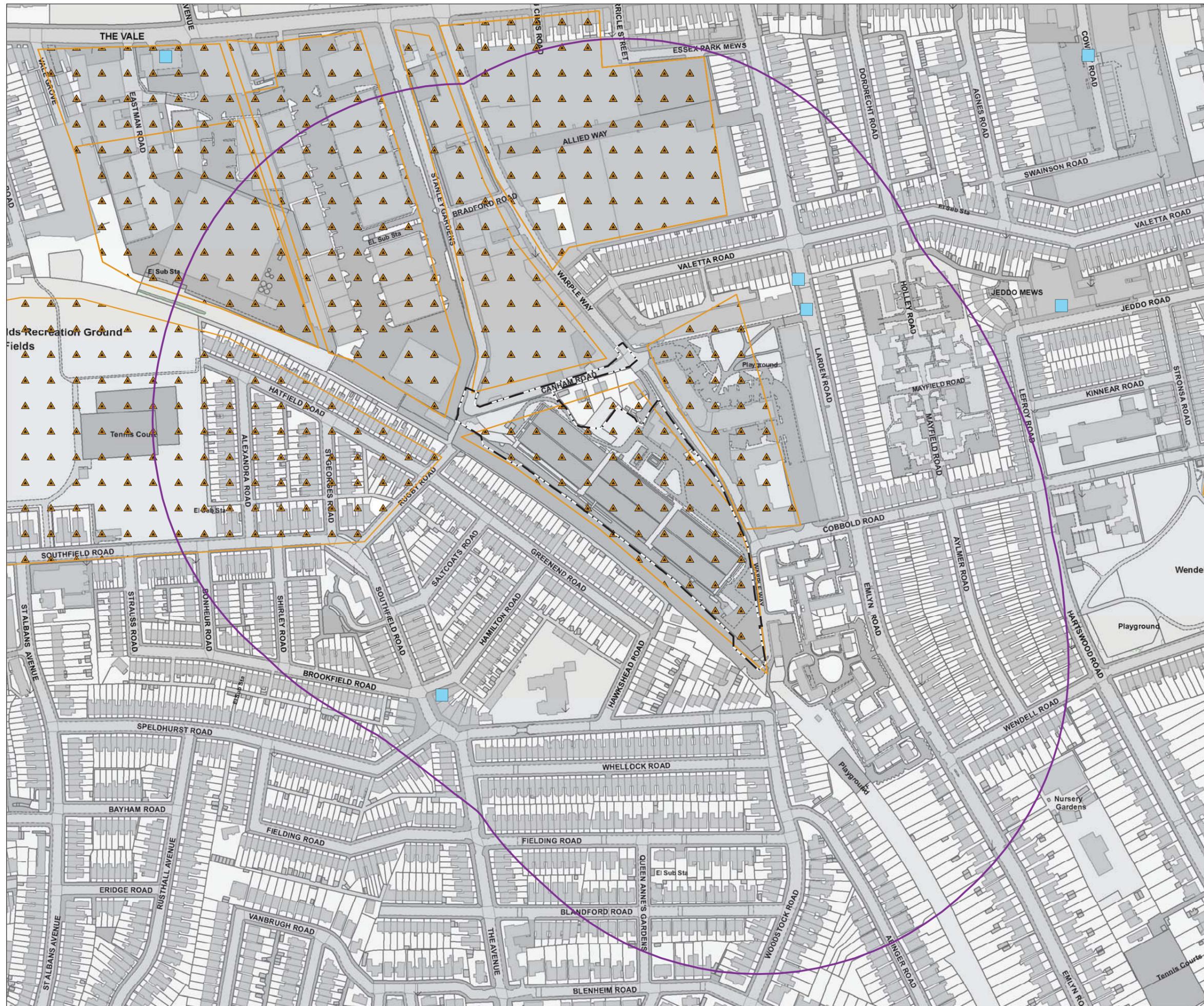


Key

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

Hazards

- LA Pollution Prevention & Controls
- Past Potentially Contaminated Industrial Uses



Scale 1 : 3,000 at A3

## FOR INFORMATION

Location

**Acton Storm Tanks**  
London Borough of Ealing

Document Information

**Environmental Statement**

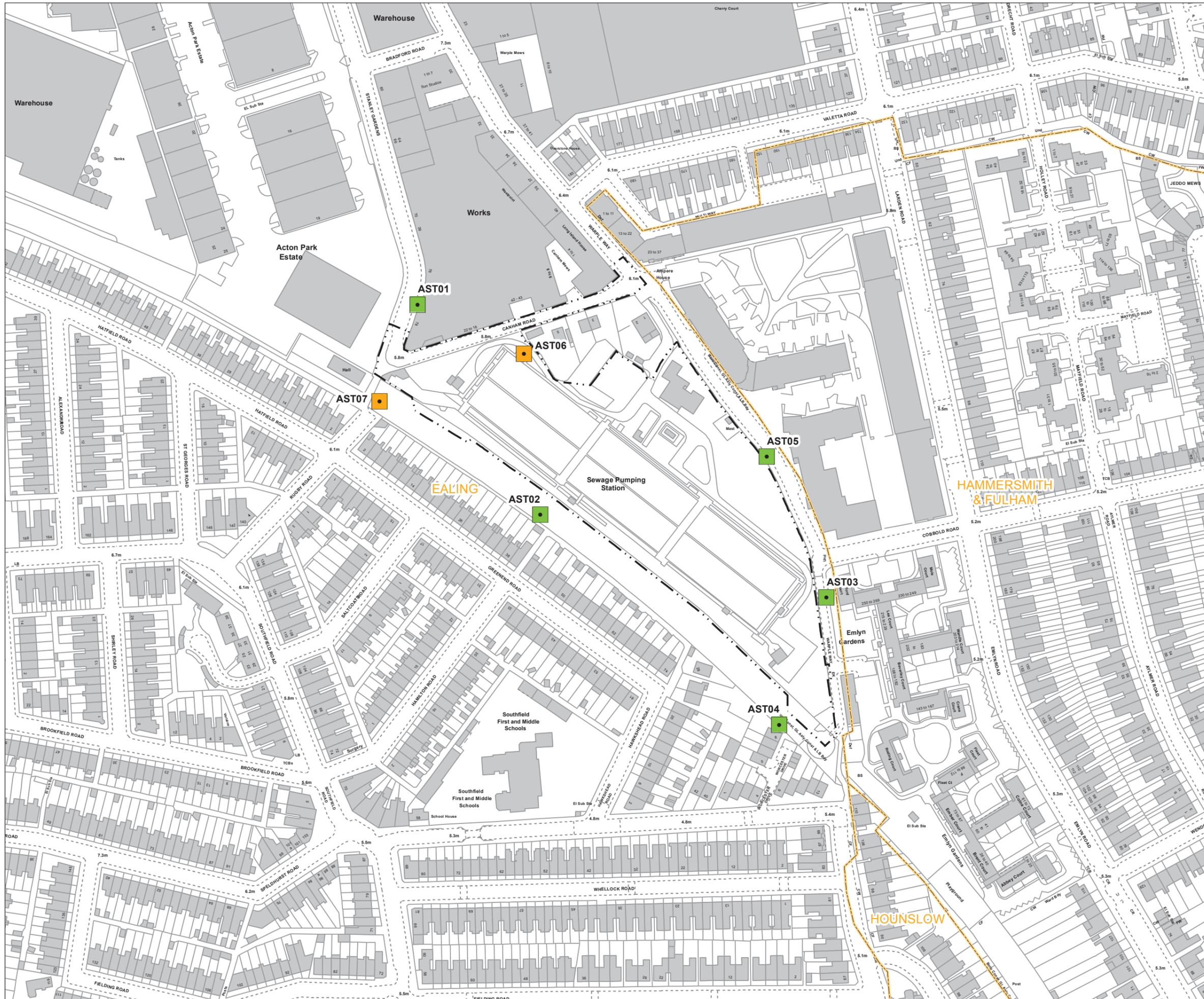
Land quality - hazard and waste sites

Vol.4 Figure F.1.3

1PL03-LQ-30091  
January 2013



- Key**
- Limits of Land to be Acquired or Used
  - Local Authority Boundary
- Noise Survey Locations**
- Attended
  - Unattended



## FOR INFORMATION

**Location**  
**Acton Storm Tanks**  
 London Borough of Ealing

**Document Information**  
**Environmental Statement**  
 Noise and vibration - noise survey locations

Vol.4 Figure G.1  
 1PL03-NV-40142  
 January 2013



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