Extends of area to be temporarily stopped up for the construction of a crossing to provide access for Thames Water operations during construction.

Area of third party car park access to be temporarily stopped up to facilitate construction of CSO connection chamber.
Drainage holes to be broken through

Temporary removal of sections of existing boundary fence

Temporary removal of sections of boundary wall/fence to create site access

Natlional location and axis of existing trees

Existing local drainage to be diverted & realigned within the site

Temporary/Removal of boundary fence and existing wall to enable chamber construction

Temporary/Removal of boundary fence and existing wall to enable overflow pipe construction

Temporary/Removal of boundary fence and existing wall to enable chamber construction

Temporary/Removal of boundary fence and existing wall to enable overflow pipe construction

Sections of HCNW new Wal building to be realigned/realigned to enable overflow pipe construction

Existing Storm Tanks

Tank 3

Upper reinforced concrete

wall of tanks to be
demolished/modified

Area of existing storm tanks to be partially backfilled for location of ventilation plant. Area backfilled to levels between 102.5 to 102.9WAD.

Existing Storm Tanks

Tank 4

Existing Storm Tanks

Tank 6

Existing Storm Tanks

Tank 5

Upper reinforced concrete

wall of tanks to be
demolished/modified

Existing reinforced concrete
division wall to be
removed

Existing reinforced concrete main discharge chamber to be removed

Third party vehicle parking area

FOR APPROVAL

Location:
Adastra Storm Tanks
London Borough of Ealing

Document Information
Section 48 publicity
Demolition and site clearance
Sheet 1 of 2
Book of plans - section 3
542-P0-CHX-ACCT-00003
July 2012
Table 1

<table>
<thead>
<tr>
<th>Structure Type</th>
<th>Maximum Height Above Final Ground Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overflow chamber</td>
<td>2.0m</td>
</tr>
<tr>
<td>Interception chamber</td>
<td>2.0m</td>
</tr>
<tr>
<td>Ventilation column(s) serving</td>
<td>15.0m</td>
</tr>
<tr>
<td>the shaft</td>
<td></td>
</tr>
<tr>
<td>Intake ventilation structure(s)</td>
<td>2.0m</td>
</tr>
<tr>
<td>Outlet ventilation structure(s)</td>
<td>2.5m</td>
</tr>
<tr>
<td>Ventilation structure(s) for fan</td>
<td>2.5m</td>
</tr>
</tbody>
</table>

Note: All levels are in metres and relate to the OSGB36. All heights are in brackets where applicable.

The Site Works Parameter Key Plan identifies each zone independently.

The zone within which the shaft would be located would include all permanent works including shaft walls (including appropriate allowances for under-reaming). Shaft construction temporary works may be located in this zone provided they are located within the Limits of land to be acquired or used. (LLAU).

The zone within which all permanent above ground structures would be located would include all permanent works including shaft walls (including appropriate allowances for under-reaming), Ventilation columns(s) serving the shaft, ventilation structure(s) for fans and for air inlet(s) and for air outlet(s) may be located.

The zone within which Work No. 2a would be located.

The zone within which Work No. 2b would be located.

Zone within which permanent works may be located within or outside this zone.
Section 48 publicity

Location
Acton Storm Tanks
London Borough of Ealing

Document Information
Section 48 publicity
Permanent works beyond Sheet 1 of 2
Book of plans – section 3
548-HY-02X-ACST-000007
July 2012

Thames Tunnel

ILLUSTRATIVE

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancy between the location of permanent site structures and the shafts and/or Proposed site features plan and/or Proposed access cover are shown on the Proposed landscape plan and/or Proposed site features plan.
3. This drawing shows permanent site structures only. Landscaping hard works and soft works survey base, both of which have been used in the preparation of this drawing.

Key:

- Local authority boundary
- Limits of land to be acquired or used (LLAU)
- Existing sewers
- Proposed access cover
- 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

Datum Newlyn.
Tunnel Datum which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the
Coordinates are to Ordnance Survey Datum
Sheet 2
For details see Sheet 2
Datum Newlyn. Tunnel Datum which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the
Coordinates are to be Ordnance Survey Datum

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

Notes:

Key:

- Local authority boundary
- Limits of land to be acquired or used (LLAU)
- Existing sewers
- Proposed access cover
- Existing Level (shown in metres above tunnel datum)
- Proposed level (shown in metres above tunnel datum)
- Zone within which all permanent site structures would be located
- Zone within which the shaft would be located
- Zone within which permanent above ground structures would be located

Existing tanks to be filled to
15m height

Vehicles
Access for maintenance

1.4m x 2.5m x 2.5m high
Ventilation structure

1.8m internal dia storm overflow
to Acton Storm Relief CSO

1.8m internal dia main tunnel
0.5m x 2.5m x 3.5m high
Ventilation structure

Existing shafts

2 No. ventilation structure

3m x 2.5m x 2.5m high
Interception chamber

2 No. 1.2m internal dia ventilation columns
are subdivided areas providing
24m² of flue area enclosed
within a 6m x 4.6m structure
of 15m height

10m x 2.5m x 2.5m high
Ventilation structure

35m x 2.0m x 2.0m high
Ventilation structure

Existing tanks to be filled to
surrounding ground level and
left as hardstanding

Valve chamber

Noise control chamber

Noise control chamber

Existing storm tanks

Existing sewers

Existing landscape features

Existing landscape features

Existing Level (shown in metres above tunnel datum)

Existing access cover

3m x 2.5m x 2.5m high
Ventilation structure

This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.

Notes:

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

Key:

- Local authority boundary
- Limits of land to be acquired or used (LLAU)
- Existing sewers
- Proposed access cover
- Existing Level (shown in metres above tunnel datum)
- Proposed level (shown in metres above tunnel datum)
- Zone within which all permanent site structures would be located
- Zone within which the shaft would be located
- Zone within which permanent above ground structures would be located

Existing tanks to be filled to
15m height

Vehicles
Access for maintenance

1.4m x 2.5m x 2.5m high
Ventilation structure

1.8m internal dia storm overflow
to Acton Storm Relief CSO

1.8m internal dia main tunnel
0.5m x 2.5m x 3.5m high
Ventilation structure

Existing shafts

2 No. ventilation structure

3m x 2.5m x 2.5m high
Interception chamber

2 No. 1.2m internal dia ventilation columns
are subdivided areas providing
24m² of flue area enclosed
within a 6m x 4.6m structure
of 15m height

10m x 2.5m x 2.5m high
Ventilation structure

35m x 2.0m x 2.0m high
Ventilation structure

Existing tanks to be filled to
surrounding ground level and
left as hardstanding

Valve chamber

Noise control chamber

Noise control chamber

Existing storm tanks

Existing sewers

Existing landscape features

Existing landscape features

Existing Level (shown in metres above tunnel datum)

Existing access cover

3m x 2.5m x 2.5m high
Ventilation structure

This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.

Notes:

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

Key:

- Local authority boundary
- Limits of land to be acquired or used (LLAU)
- Existing sewers
- Proposed access cover
- Existing Level (shown in metres above tunnel datum)
- Proposed level (shown in metres above tunnel datum)
- Zone within which all permanent site structures would be located
- Zone within which the shaft would be located
- Zone within which permanent above ground structures would be located

Existing tanks to be filled to
15m height

Vehicles
Access for maintenance

1.4m x 2.5m x 2.5m high
Ventilation structure

1.8m internal dia storm overflow
to Acton Storm Relief CSO

1.8m internal dia main tunnel
0.5m x 2.5m x 3.5m high
Ventilation structure

Existing shafts

2 No. ventilation structure

3m x 2.5m x 2.5m high
Interception chamber

2 No. 1.2m internal dia ventilation columns
are subdivided areas providing
24m² of flue area enclosed
within a 6m x 4.6m structure
of 15m height

10m x 2.5m x 2.5m high
Ventilation structure

35m x 2.0m x 2.0m high
Ventilation structure

Existing tanks to be filled to
surrounding ground level and
left as hardstanding

Valve chamber

Noise control chamber

Noise control chamber

Existing storm tanks

Existing sewers

Existing landscape features

Existing landscape features

Existing Level (shown in metres above tunnel datum)

Existing access cover

3m x 2.5m x 2.5m high
Ventilation structure

This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.

Notes:

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

Key:

- Local authority boundary
- Limits of land to be acquired or used (LLAU)
- Existing sewers
- Proposed access cover
- Existing Level (shown in metres above tunnel datum)
- Proposed level (shown in metres above tunnel datum)
- Zone within which all permanent site structures would be located
- Zone within which the shaft would be located
- Zone within which permanent above ground structures would be located

Existing tanks to be filled to
15m height

Vehicles
Access for maintenance

1.4m x 2.5m x 2.5m high
Ventilation structure

1.8m internal dia storm overflow
to Acton Storm Relief CSO

1.8m internal dia main tunnel
0.5m x 2.5m x 3.5m high
Ventilation structure

Existing shafts

2 No. ventilation structure

3m x 2.5m x 2.5m high
Interception chamber

2 No. 1.2m internal dia ventilation columns
are subdivided areas providing
24m² of flue area enclosed
within a 6m x 4.6m structure
of 15m height

10m x 2.5m x 2.5m high
Ventilation structure

35m x 2.0m x 2.0m high
Ventilation structure

Existing tanks to be filled to
surrounding ground level and
left as hardstanding

Valve chamber

Noise control chamber

Noise control chamber

Existing storm tanks

Existing sewers

Existing landscape features

Existing landscape features

Existing Level (shown in metres above tunnel datum)

Existing access cover

3m x 2.5m x 2.5m high
Ventilation structure

This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.

Notes:

1. All dimensions and levels are approximate.
2. Any discrepancies between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base, both of which have been used in the preparation of this drawing.
3. This drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.
**Section 48 publicity**

**Location**

**Document Information**

**Thames Water Utilities Ltd 2008**

**Keyplan:**

Survey licence number 100019345

Database right 2012. All rights reserved. Ordnance Survey on behalf of HMSO. © Crown Copyright and Mapping reproduced by permission of Ordnance Survey.

**N**

**Datum Newlyn. Tunnel Datum which is 100 metres below Ordnance OSGB36.**

**Coordinates are to be Ordnance Survey Datum.**

**Notes:**

1. All dimensions and levels are approximate.
2. Any discrepancies 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.

**Landscape Key:**

- Hard Landscaping
- Soft Landscaping
- Tree / Vegetation Canopy

**Legend**

- Thames Water land
- Thames Water buildings/structures
- Existing trees within surveyed area
- Thames Water access

**INDICATIVE**

Save for the layout of above ground structures which is indicative.
Mast
Playground
N
Canham Road
A
A
Air release louvres 2no. fan units in acoustical enclosure
Interception Chamber
Valve Chamber
Section cut through the building above ground chamber around ventilation structure and High quality architectural fencing
natural growth and wild flower planting
Low maintenance ground cover
2no. fan units in accoustic enclosure
Air release louvres
10m high ventilation column
Allow for local feature
lighting of ventilation column
High quality architectural fencing around ventilation structure and above ground chamber

Notes:
1. All dimensions and levels are approximate.
2. The purpose of this section is to illustrate the scale of the below ground infrastructure to be provided.
Residential

As existing North elevation

Thames Water boundary metal palisade fencing
Pumping station beyond

15m high ventilation column, Allow for local feature lighting of ventilation column
High quality architectural fencing

Notes:
1. All dimensions and levels are approximate.
As existing East elevation

Proposed East elevation

Notes:
1. All dimensions and levels are approximate.
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phase. Contractors may choose to lay down different working phases depending on their preferred construction methods. Schedule of works is subject to planning submission and approval process.

2. Traffic management plans for construction phases of the work will be submitted to the relevant authority for approval. Where appropriate, surface 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 measures may be required but is not shown on this drawing.
This drawing is illustrative of the Thames Water operational activities to be maintained during construction. Existing access for Thames Water operational activities to be maintained during construction.

Existing site access for Thames Water operational activities to be maintained during construction.

Concrete capping plant and aggregate storage area.

Existing site access for Thames Water operational activities to be maintained during construction.

Summary of works:

- Thames Water operational activities to be maintained during construction.
- Existing site access for Thames Water operational activities to be maintained during construction.
- Concrete capping plant and aggregate storage area.

**Notes:**

1. These construction phasing plans have been prepared to illustrate possible site layouts for the principal construction phases. Contractors may choose to lay out differently during construction depending on their preferred construction methods suited to any constraints 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, surface 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.

**Key:**

- Limits of land to be acquired or used (LLAU)
- Hoarding
- Maximum extent of working area
- Site access
- Access / haul route
- Existing sewers

**ILLUSTATIVE**

**Location:**

Acton Storm Tanks
London Borough of Ealing

**Document Information:**

Section 48 publicity
Construction phases - phase 2
Other structures & secondary lining
Book of plans - section 3
SAS/PF-02X-ACSTT-00014
July 2012

Thames Tideway Tunnel
Grading-Submissions
Thames Water