### Table 1

<table>
<thead>
<tr>
<th>Above ground permanent structure</th>
<th>Maximum height above finished ground level (Maximum heights are in brackets where applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superstructure over siphon inlet shaft</td>
<td>8.9m</td>
</tr>
<tr>
<td>Siphon inlet valve chamber(s)</td>
<td>2.0m</td>
</tr>
<tr>
<td>Siphon outlet valve chamber(s)</td>
<td>2.0m</td>
</tr>
<tr>
<td>Discharge chamber(s)</td>
<td>2.0m</td>
</tr>
<tr>
<td>Grt removal galleries</td>
<td>2.0m</td>
</tr>
</tbody>
</table>

---

**Key:**
- **Limits of land to be acquired or used (LLAU):**
  - Zone within which 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).

**Notes:**
1. 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 the zone defined if they are located within the Limits of land to be acquired or used.

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**FOR APPROVAL**

- **Location:** Beckton STW
- **London Borough of Newham**
- **Document Information**
  - **Section 48 publicity**
  - **Site works parameter plan**
- **Book of plans - section 26**
  - **SAS-PP-27X-BSTW-003536**
  - **July 2012**

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**Draft Master Plan Loan Agreement**

-Thames Water Utilities Ltd 2008
1. All dimensions and levels are approximate.
2. Any discrepancies between the location of structures and the parameters marked on the drawing 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 and proposed site features plan. Landscaping hard works and soft works are shown on the Proposed landscape plan. Measures for noise control, public access and biodiversity are currently under construction.
4. The Lee Tunnel and STW extensions are currently under construction and will be completed when construction of the project commences.
Datum Newlyn. Tunnel Datum which is 100 metres below Ordnance OSGB36. All levels are in metres and relate to the Ordnance Survey Datum. 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 drawing are due to differences between the Ordnance Survey base and topographical survey base. All of which have been used in the preparation of this drawing.
3. This drawing shows permanent site structures and existing features. All permanent works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.
4. The Lee Tunnel and STW extensions are currently under construction and will be ‘existing’ when construction of the project commences.
The diagram shows permanent site structures currently under construction and will be waiting when construction of the project commences.

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancies between the location of structures and the parameters marked on the sheet are due to differences between the Ordnance Survey base and topographical survey base, both of which have been used in the preparation of this sheet.
3. This drawing shows permanent site structures and/or proposed site features plan. Landscaping hard works and soft works are shown on the Proposed landscape plan and Proposed site features plan.
4. The Lee Tunnel and STW extensions are currently under construction and will be 'existing' when construction of the project commences.
Section 48 publicity

Location:
Beckton Sewage Treatment Works
London Borough of Newham

Document Information
Section 48 publicity
Permanent works layout
Sheet 4 of 4 - section 26
Survey works - section 26
S48-P27X-BESTW-000340
July 2012

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base data used in the preparation of this drawing.
3. The drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.
4. The Lee Tunnel and STW extensions are currently under construction and will be 'existing' when construction of the project commences.
5. Air from proposed discharge chamber will be treated by existing (Lee Tunnel) odour control unit.

Datum Newlyn.

Tunnel Datum which is 100 metres below Ordnance Survey Datum OSGB36. All levels are in metres and relate to the survey base, both of which have been used in the preparation of this drawing.

Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base data used in the preparation of this drawing.

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.

Existing elevated inlet works

Existing Lee Tunnel

Existing discharge chamber (Lee tunnel)

Existing discharge chamber (Lee tunnel)

Existing elevated inlet works odour control unit

Existing inlet works odour control unit

Existing 2.1m internal dia pipeline (Lee Tunnel)

Existing 0.35m internal dia pipeline (Lee Tunnel)

Existing 2.1m internal dia pipeline or tunnel

Three grit removal gantries approx 10m x 4m x 5m high

Key:

Existing sewers
Proposed access cover
+104.10m
Existing level (shown in metres above tunnel datum)
Proposed level (shown in metres above tunnel datum)

ILUSTRATIVE

Beckton Sewage Treatment Works
London Borough of Newham

Document Information
Section 48 publicity
Permanent works layout
Sheet 4 of 4 - section 26
Survey works - section 26
S48-P27x-BESTW-000340
July 2012

Notes:
1. All dimensions and levels are approximate.
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3. The drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.
4. The Lee Tunnel and STW extensions are currently under construction and will be 'existing' when construction of the project commences.
5. Air from proposed discharge chamber will be treated by existing (Lee Tunnel) odour control unit.

Datum Newlyn.

Tunnel Datum which is 100 metres below Ordnance Survey Datum OSGB36. All levels are in metres and relate to the survey base, both of which have been used in the preparation of this drawing.

Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base data used in the preparation of this drawing.

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.

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Existing Lee Tunnel

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Proposed access cover
+104.10m
Existing level (shown in metres above tunnel datum)
Proposed level (shown in metres above tunnel datum)

ILUSTRATIVE

Beckton Sewage Treatment Works
London Borough of Newham

Document Information
Section 48 publicity
Permanent works layout
Sheet 4 of 4 - section 26
Survey works - section 26
S48-P27x-BESTW-000340
July 2012

Notes:
1. All dimensions and levels are approximate.
2. Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base data used in the preparation of this drawing.
3. The drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.
4. The Lee Tunnel and STW extensions are currently under construction and will be 'existing' when construction of the project commences.
5. Air from proposed discharge chamber will be treated by existing (Lee Tunnel) odour control unit.

Datum Newlyn.

Tunnel Datum which is 100 metres below Ordnance Survey Datum OSGB36. All levels are in metres and relate to the survey base, both of which have been used in the preparation of this drawing.

Any discrepancy between the location of structures and the parameters marked on the drawings are due to differences between the Ordnance Survey base and topographical survey base data used in the preparation of this drawing.

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.

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Key:

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Proposed access cover
+104.10m
Existing level (shown in metres above tunnel datum)
Proposed level (shown in metres above tunnel datum)

ILUSTRATIVE

Beckton Sewage Treatment Works
London Borough of Newham

Document Information
Section 48 publicity
Permanent works layout
Sheet 4 of 4 - section 26
Survey works - section 26
S48-P27x-BESTW-000340
July 2012

Notes:
1. All dimensions and levels are approximate.
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3. The drawing shows permanent site structures only. Landscaping hard works and soft works are shown on the Proposed landscape plan and/or Proposed site features plan.
4. The Lee Tunnel and STW extensions are currently under construction and will be 'existing' when construction of the project commences.
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Tunnel Datum which is 100 metres below Ordnance Survey Datum OSGB36. All levels are in metres and relate to the survey base, both of which have been used in the preparation of this drawing.

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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.

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Three grit removal gantries approx 10m x 4m x 5m high

Key:

Existing sewers
Proposed access cover
+104.10m
Existing level (shown in metres above tunnel datum)
Proposed level (shown in metres above tunnel datum)
Proposed West elevation

Zone within which Thames Tunnel works would be located

Existing inlet works

Proposed West elevation

Notes:
1. All dimensions and levels are approximate.
2. Drawing is based on approved planning drawings of the Lee Tunnel and STW extension work which are currently under construction and will be "existing" when construction of the project commences.

ILLUSTRATIVE

Location
Beckton Sewage Treatment Works
London Borough of Newham

Document Information
Section 48 publicity
Proposed elevation

Book of plans - section 26
S08-PG-ZTK-BESTW-000541
July 2012
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 subject to any contractual or layout imposed through the planning submission and approval process.

2. Traffic management plans for construction phases of the works would be submitted to the appropriate authority for approval. Where appropriate, suitable traffic management arrangements are shown.

3. Utility supplies for the construction of the works would be agreed with the relevant utility company. Additional noise mitigation including noise barriers may be required but is not shown on this drawing.

4. Additional noise mitigation including noise barriers may be required but is not shown on this drawing.

Notes:

Key:
- Limits of land to be acquired or used (LLAU)
- Hoarding
- Site access
- Access / haul route
- Existing sewers

Datum Newlyn.
Tunnel Datum which is 100 metres below Ordnance Datum GB36. All levels are in metres and relate to the National Grid. Coordinates are to be Ordnance Survey Datum 50. All plans are drawn to scale of 1:1000 and vary in size as follows:

- A1: Scale 1:500
- A2: Scale 1:250
- A3: Scale 1:200
- A4: Scale 1:100

This drawing on this drawing.

ILLUSTRATIVE
1. These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay 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 will 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

Notes:
- These construction phasing plans have been prepared to illustrate possible site layouts for the principle construction phases. Contractors may choose to lay out differently during construction depending on their preferred construction methods subject to any controls on layout imposed through the planning submission and approval process.

- Traffic management plans for construction phases of the work will be submitted to the appropriate authority for approval. Where appropriate, surface traffic management arrangements are shown.

- Utility supplies for the construction of the works would be agreed with the relevant utility company.

- Additional noise mitigation including noise barriers may be required but is not shown on this drawing.

Location: Beckton STW
London Borough of Newham

Document Information
Section 48 publicity
Construction phases - phase 1 - site B
Setup, shaft constrn & other structures
Book of plans - section 28
S48-PP-27X-BESTW-000343
July 2012

Thames Tideway Tunnel
Conducting licence of Southwark Tunnel

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