Figure 8.11a
Environmental Statement
Noise Level Difference Contour Map
(First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation)

Legend
- Proposed Scheme (as per Draft Orders)
- SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receiver
- Noise Mitigation Barrier

Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation)
(L₁₅₀,18hr, Free-field) First Floor

- x ≥ 10 dB
- 5 ≤ x < 10 dB
- 3 ≤ x < 5 dB
- 1 ≤ x < 3 dB
- 0 ≤ x < 1 dB
- x = 0 dB
- -1 ≤ x < 0 dB
- -3 ≤ x < -1 dB
- -5 ≤ x < -3 dB
- -10 ≤ x < -5 dB
- x < -10 dB

* Actual shape of pond/basin will be subject to detailed design

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Figure 8.11c
Environmental Statement
Noise Level Difference Contour Map
(First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation)

Legend
- Proposed Scheme (as per Draft Orders)
- SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receptor
- Noise Mitigation Barrier

Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation)
(L_{A10,18hr}, Free-field) First Floor

- x ≤ -10 dB
- 5 ≤ x < 10 dB
- 3 ≤ x < 5 dB
- 1 ≤ x < 3 dB
- 0 ≤ x < 1 dB
- 0 ≤ x ≤ 0 dB
- -1 ≤ x < 0 dB
- -3 ≤ x < -1 dB
- -5 ≤ x < -3 dB
- -10 ≤ x < -5 dB
- x < -10 dB

* Actual shape of pond/basin will be subject to detailed design.
Environmental Statement

Noise Level Difference Contour Map

(First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation)

$L_{A10,18hr}$, Free-field)

First Floor

- $x = 0 \text{ dB}$
- $-1 < x < 0 \text{ dB}$
- $-3 < x < -1 \text{ dB}$
- $-5 < x < -3 \text{ dB}$
- $-10 < x < -5 \text{ dB}$
- $x < -10 \text{ dB}$

- $1 < x < 3 \text{ dB}$
- $3 < x < 5 \text{ dB}$
- $5 < x < 10 \text{ dB}$

* Actual shape of pond/basin will be subject to detailed design.

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Legend
- Proposed Scheme (as per Draft Orders)
- SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receptor
- Noise Mitigation Barrier

Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation) (L_A,18hr, Free-field) First Floor

* Actual shape of pond/pond will be subject to detailed design

Figure 8.11e - Environmental Statement Noise Level Difference Contour Map (First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation)

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Figure 8.11g

Environmental Statement

Noise Level Difference Contour Map
(First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation)

Legend
- Proposed Scheme (as per Draft Orders)
- SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receptor
- Noise Mitigation Barrier

Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation) 
(LA10,18hr, Free-field) First Floor

- x ≥ 10 dB
- 5 ≤ x < 10 dB
- 3 ≤ x < 5 dB
- 1 ≤ x < 3 dB
- 0 < x < 1 dB
- x = 0 dB
- -1 < x ≤ 0 dB
- -3 < x ≤ -1 dB
- -5 < x ≤ -3 dB
- -10 < x ≤ -5 dB
- x ≤ -10 dB

* Actual shape of pond/basin will be subject to detailed design.
Legend
- Proposed Scheme (as per Draft Orders)
  - SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receiver
- Noise Mitigation Barrier
- Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation) (L_A10,18hr, Free-field) First Floor

- x ≥ 10 dB
- 5 ≤ x < 10 dB
- 3 ≤ x < 5 dB
- 1 ≤ x < 3 dB
- 0 ≤ x < 1 dB
- x = 0 dB
- -1 < x ≤ 0 dB
- -3 < x ≤ -1 dB
- -5 < x ≤ -3 dB
- -10 < x ≤ -5 dB
- x < -10 dB

* Actual shape of pond/basin will be subject to detailed design

Figure 8.11h
Environmental Statement
Noise Level Difference Contour Map
(First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation) (L_A10,18hr, Free-field) First Floor

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Figure 8.11k
Environmental Statement
Noise Level Difference Contour Map (First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation) (L_{eq,10hr}, Free-field) First Floor

Legend
- Proposed Scheme (as per Draft Orders)
- SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receptor
- Noise Mitigation Barrier

- Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation)

<table>
<thead>
<tr>
<th>dB Level</th>
<th>Symbol</th>
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</thead>
<tbody>
<tr>
<td>≤2</td>
<td>x ≥ 0 dB</td>
</tr>
<tr>
<td>2 &lt; x ≤ 5</td>
<td>0 &lt; x ≤ 1</td>
</tr>
<tr>
<td>5 &lt; x ≤ 10</td>
<td>1 &lt; x ≤ 3</td>
</tr>
<tr>
<td>10 &lt; x ≤ 15</td>
<td>3 &lt; x ≤ 5</td>
</tr>
<tr>
<td>15 &lt; x ≤ 20</td>
<td>5 &lt; x ≤ 10</td>
</tr>
</tbody>
</table>

* Actual shape of pond/basin will be subject to detailed design.
Figure 8.11m
Environmental Statement
Noise Level Difference Contour Map
(First Floor) Do-Min. Baseline Year Vs Do-Something Baseline Year (with Mitigation)

Legend
- Proposed Scheme (as per Draft Orders)
- SUDS (e.g. Basin or Pond)*
- Calculation Area
- Health & Education Buildings
- Sample Receptor
- Noise Mitigation Barrier

Do Minimum Baseline Year Vs Do Something Baseline Year (with Mitigation)
(L_{A10},18hr, Free-field) First Floor
- x ≥ 10 dB
- 5 ≤ x < 10 dB
- 3 ≤ x < 5 dB
- 1 ≤ x < 3 dB
- 0 ≤ x < 1 dB
- x = 0 dB
- 1 ≤ x < 0 dB
- 3 ≤ x < -1 dB
- 5 ≤ x < -3 dB
- 10 ≤ x < -5 dB
- x ≤ -10 dB

* Actual shape of pond/basin will be subject to detailed design