### Overview of Environmental Assessment Part 2

<table>
<thead>
<tr>
<th>Drawing No.</th>
<th>Drawing Type</th>
<th>Drawing Title</th>
<th>Projectwise Drawing Reference</th>
<th>Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.13</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0019</td>
<td>CAD</td>
</tr>
<tr>
<td>6.14</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0020</td>
<td>CAD</td>
</tr>
<tr>
<td>6.15</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0021</td>
<td>CAD</td>
</tr>
<tr>
<td>6.16</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0022</td>
<td>CAD</td>
</tr>
<tr>
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<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0023</td>
<td>CAD</td>
</tr>
<tr>
<td>6.18</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0028</td>
<td>CAD</td>
</tr>
<tr>
<td>6.19</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE MITIGATION CROSS SECTIONS</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0029</td>
<td>CAD</td>
</tr>
<tr>
<td>6.20</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE SUDS MITIGATION</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0024</td>
<td>CAD</td>
</tr>
<tr>
<td>6.21</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE SUDS MITIGATION</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0025</td>
<td>CAD</td>
</tr>
<tr>
<td>6.22</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE SUDS MITIGATION</td>
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<td>CAD</td>
</tr>
<tr>
<td>6.23</td>
<td>ENVIRONMENTAL MITIGATION</td>
<td>INDICATIVE SUDS MITIGATION</td>
<td>A9P09-CFJ-EGN-M_ZZZZZ_ZZ-DR-EN-0027</td>
<td>CAD</td>
</tr>
</tbody>
</table>
1. All distances in metres unless stated otherwise.

2. Natural stone treatment to retaining walls subject to detailed design as additional mitigation.

The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

3. Level 2: Landform specification to consider top and toe rounding, tapering and long section variability.

4. Level 3: Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for the proposed scheme.

5. Key: To maintain the environmental function of the proposed scheme within each mitigation area, by introducing any associated impacts in a suitable location where practicable.

6. Otter / deer / combined (deer / otter) fencing not shown to scale, illustrative graphic only.

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**GENERAL NOTES**

1. Cross Section B-B' (ch.42,300) Scale 1:500

2. Natural stone treatment to retaining walls subject to detailed design as additional mitigation.

The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

3. Level 2: Landform specification to consider top and toe rounding, tapering and long section variability.

4. Level 3: Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for the proposed scheme.

5. Key: To maintain the environmental function of the proposed scheme within each mitigation area, by introducing any associated impacts in a suitable location where practicable.

6. Otter / deer / combined (deer / otter) fencing not shown to scale, illustrative graphic only.
The detailed landform specification covers two levels of treatment:

1. Level 1 - Landform specification is considered to provide an adequate mitigation.

2. Level 2 - Landform specification is considered to provide adequate mitigation and to provide a good indication of general performance.

3. Level 3 - Landform specification is considered to provide adequate mitigation and to provide a good indication of general performance.

The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

4. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

5. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

6. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

7. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

8. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

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1. Level 1 - Landform specification is considered to provide an adequate mitigation.

2. Level 2 - Landform specification is considered to provide adequate mitigation and to provide a good indication of general performance.

3. Level 3 - Landform specification is considered to provide adequate mitigation and to provide a good indication of general performance.

The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

4. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

5. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular's feature, process or activity.

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The detailed landform specification covers two levels of treatment. The detailed landform specification covers two levels of treatment. (Refer to Chapter 13 of the ES).

1. All photographs are of natural unaltered areas.

2. Natural stone treatment to retaining walls subject to detailed design as an additional mitigation. The detailed landform specification covers two levels of treatment. (Refer to Chapter 13 of the ES).

3. Level 2 - Landform specification to consider top and toe rounding, tapering and long section variability.

4. Level 3 - Includes specific location within landform sensitive areas that will require a detailed specification of significant variation for permanent’s mitigation, high visibility.

5. Screening of slopes generally, has been utilized to minimize the environmental footprint of the proposed scheme within particularly sensitive areas that may result in any associated impacts or habitat loss where practicable.

6. Otter / deer / combined (deer / otter) environmental fencing not shown to scale. Illustration only.

2. Natural stone treatment to retaining walls subject to detailed design as an additional mitigation.

Cross Section H-H' (ch.48,500)
Scale 1:500

Cross Section J-J' (ch.49,000)
Scale 1:500

Cross Section G-G' (ch.46,500)
Scale 1:500

The detailed landform specification covers two levels of treatment. (Refer to Chapter 13 of the ES).

1. All photographs are of natural unaltered areas.

2. Natural stone treatment to retaining walls subject to detailed design as an additional mitigation. The detailed landform specification covers two levels of treatment. (Refer to Chapter 13 of the ES).

3. Level 2 - Landform specification to consider top and toe rounding, tapering and long section variability.

4. Level 3 - Includes specific location within landform sensitive areas that will require a detailed specification of significant variation for permanent’s mitigation, high visibility.

5. Screening of slopes generally, has been utilized to minimize the environmental footprint of the proposed scheme within particularly sensitive areas that may result in any associated impacts or habitat loss where practicable.

6. Otter / deer / combined (deer / otter) environmental fencing not shown to scale. Illustration only.
The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

3. Level 2 - Landform specification to consider top and toe rounding, tapering and long section variability.
4. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular mitigation, higher visibility structures.
5. Deepening of slopes generally has been undertaken to minimise the environmental footprint of the proposed scheme within particularly sensitive areas, most notably in any associated impacts and habitat loss where practicable.
6. Otter / deer / combined (deer / otter) environmental fencing not shown to scale, illustration graphic only.

Natural stone treatment to retaining walls subject to detailed design as additional mitigation.
The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

3. Level 2 - Landform specification to consider top and toe rounding, tapering and long section variability.

4. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for mitigation reasons, highly visible slopes.

5. Steepening of slopes generally has been undertaken to minimise the environmental footprint of the proposed scheme within particularly sensitive areas, therefore reducing any associated impacts and habitat loss where practicable.

6. Otter / deer / combined (deer / otter) environmental fencing not shown to scale, illustrative graphic only.

2. Natural stone treatment to retaining walls subject to detailed design as additional mitigation.
The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

2. Natural stone treatment to retaining walls subject to detailed design as additional mitigation.

3. Level 2 - Landform specification to consider top and toe rounding, tapering and long section variability.

4. Level 3 - Includes specific locations within landform sensitive areas that will require a detailed specification of significant variation for particular sensitive, highly visible slopes.

5. The detailed landform specification covers two levels of treatment (Refer to Chapter 13 of the ES).

6. Steepening of slopes generally has been undertaken to minimise the environmental footprint of the proposed scheme within particularly sensitive areas, therefore reducing any associated impacts and habitat loss where practicable.

7. Otter / deer / combined (deer / otter) environmental fencing not shown to scale. Illustration graphics only.
Native woodland ties into existing wooded context and increases woodland connectivity.

Shape of basin 493 responds to local context and provides deeper permanent pools for habitat opportunities and biodiversity.

Maintenance access track tying into existing track with gated access.

Earthworks tie into slopes that connect to the A9, softened with native woodland planting.

Aquatic bench

Outlet headwall and reno mattress

Basin seeded with wet grassland mix appropriate to local context.

Existing woodland retained

Maintenance access track and NMU link with lay-by

Permanent pool

Inlet headwall and reno mattress

Cross Section Section A-A' (SuDS 493)

Scale 1:200

Plan - SuDS 493 - Typical Design within a sensitive landscape and ecological context

Scale 1:500

2. Basin to have a natural plan profile, aligned with existing contours, where possible and resembling natural geological features that can be found in this landscape.

3. Basin to have a natural slope profile where below existing ground level; internal and external slopes should achieve gradients of 1:4 or shallower where space allows.

4. Walls and culverts should use natural rock to create cascades, which have a natural appearance.

5. Existing soils and back fill should be stockpiled and re-used during the construction of the basin, where possible. Detailed design for seeding and planting should consider appendix 6.1 and the chapter 6 Environmental Mitigation drawings 6.1-6.12.
Proposed A9
Grass verge
Native woodland
Wet grassland within basin. As vegetation establishes, aquatic species will emerge and create a basin that represents a natural feature with good visual amenity as well as biodiversity value.

Existing B9
Drain
Pond
Drain
A 86
B 9152
Path
Drain
Drain
Inlet headwall and reno mattress
B
B'
Permanent pool
Aquatic bench
Basin seeded with wet grassland appropriate to local context
Shape of basin responds to context constrained by the access roads and the A9
Outlet headwall and reno mattress
Earthworks to tie into existing levels
A9 slopes tie into existing levels
Maintenance Access Lay-by
Wet grassland within basin. As vegetation establishes, aquatic species will emerge and create a basin that represents a natural feature with good visual amenity as well as biodiversity value.

Maintenance access track ties into existing track to the west.

Outlet headwall and reno mattress

Native woodland buffer to the A9

Aquatic bench

Permanent pool with varying depths creates habitat diversity

Inlet headwall and reno mattress

Turning head

Basin seeded with wet grassland mix appropriate to context.
1. All dimensions in metres unless stated otherwise.

2. Basin to have a natural plan profile, aligned with existing contours, where possible and resembling natural geological features. Excavation and backfill will be considered to maintain a uniform plan profile.

3. Basin to have a natural slope profile where below existing ground level, internal and external slopes should achieve gradients of 1:4 or shallower where space allows.

4. Inlets and outlets should use natural rock to create cascades, which have a natural appearance.

5. Existing soils and backfill should be stockpiled and re-used during the construction of the basin, where possible. Detailed design for planting and seeding should consider appendix 6.1 and the chapter 6 Environmental Mitigation drawings 6.1-6.12.