



Habitat Management and Monitoring Plan (HMMP)

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Land to east of southern end of Edmunds Road, Worsbrough Dale, Barnsley, S70 4TD

Planning Reference: 2024/0489

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1. Introduction

This Habitat Management and Monitoring Plan (HMMP) has been prepared to discharge Condition 3 of planning permission 2024/0489 for the approved residential development at land to the east of the southern end of Edmunds Road, Worsbrough Dale, Barnsley.

The approved development comprises the erection of 2 no. detached dwellings with associated garages and access. This HMMP sets out how the on-site habitat creation required to deliver Biodiversity Net Gain (BNG) will be implemented, managed, monitored and reported for a minimum period of 30 years.

The HMMP has been prepared in accordance with the approved Biodiversity Gain Plan, the Biodiversity Net Gain Supplementary Note prepared by Haslam Ecology dated 8 September 2024, and the associated Statutory Biodiversity Small Sites Metric. The approved BNG strategy delivers an on-site net gain of 0.0321 area habitat units, equivalent to a **11.96%** net gain, thereby exceeding the mandatory 10% BNG requirement.

The principal habitat enhancement measure comprises the planting and long-term management of 21 individual trees along the southern boundary of the site, adjacent to the existing wooded area. This HMMP provides the management prescriptions, monitoring schedule, reporting requirements and remedial measures necessary to ensure that the proposed biodiversity outcomes are delivered and maintained over the 30-year management period.

This HMMP has been prepared with reference to:

- The Environment Act 2021 and Schedule 7A of the Town and Country Planning Act 1990.
- The statutory Biodiversity Net Gain framework.
- The Statutory Biodiversity Small Sites Metric.
- The approved Biodiversity Gain Plan.
- The Biodiversity Net Gain Supplementary Note prepared by Haslam Ecology dated 8 September 2024.
- Condition 3 of planning permission 2024/0489 issued by Barnsley Metropolitan Borough Council.

1.1 Non-Technical Summary

This Habitat Management and Monitoring Plan (HMMP) explains how the biodiversity enhancements required for the approved residential development at land to the east of the southern end of Edmunds Road, Worsbrough Dale, Barnsley will be delivered, managed and monitored.

The approved Biodiversity Net Gain strategy is based on on-site habitat creation, principally the planting of 21 individual trees along the southern boundary of the site, adjacent to the existing wooded area. These trees will help compensate for the loss of the existing low distinctiveness ruderal/ephemeral vegetation and will contribute to the delivery of a 11.96% biodiversity net gain.

The planted trees will be managed and monitored for a minimum period of 30 years. Management will include watering, weed control, replacement of failed trees, formative pruning and regular inspections. Monitoring will be undertaken at defined intervals to confirm successful establishment and long-term retention of the biodiversity benefits.

2. Site Description

Location: Land to east of southern end of Edmunds Road, Worsbrough Dale, Barnsley, S70 4TD.

Planning Reference: 2024/0489.

Approved Development: Erection of 2 no. detached dwellings with associated garages and access.

Site Area: Approximately 670m².

Current Use and Baseline Habitats: The site comprises a small parcel of land adjacent to an existing residential area. The pre-development baseline habitat was recorded as ruderal/ephemeral vegetation, described within the supporting Biodiversity Net Gain Supplementary Note as tall herb/ruderal vegetation dominated by creeping thistle, with other ruderal and grassland species present at lower frequencies.

BNG Metric Summary: The Statutory Biodiversity Small Sites Metric records a pre-development value of 0.2680 area habitat units and a post-development value of 0.3001 area habitat units. This results in a net change of +0.0321 area habitat units, equivalent to a 11.96% net gain. Hedgerow and watercourse units are not present within the baseline.

Proposed Habitat Creation: The BNG strategy is based on on-site habitat creation, comprising vegetated garden habitat and the planting of 21 individual trees along the southern boundary of the site, adjacent to the existing wooded area. The tree planting mix comprises Wild Cherry *Prunus avium*, Field Maple *Acer campestre*, Rowan *Sorbus aucuparia* and Whitebeam *Sorbus aria*.

Designations and Ecological Context: No irreplaceable habitats are present within the application site. Adjacent and nearby ecological receptors, including adjacent priority habitats and the nearby SSSI referenced within the planning conditions, will be protected during construction through the separate Construction Environmental Management Plan – Biodiversity.

Definition of Completion of Development: For the purposes of this HMMP, “completion of development” is defined as the date on which the approved dwellings and associated access works are practically complete and the site is capable of occupation or intended use, evidenced by written confirmation from the Applicant, Principal Contractor or other responsible party.

The 30-year management and monitoring period will commence from the completion of the habitat creation works, unless otherwise agreed in writing with the Local Planning Authority.

Phase	Timing	Requirement / Action	Responsible Party
Pre-commencement	Prior to commencement of development	Submit the Biodiversity Gain Plan and HMMP to the Local Planning	Applicant / appointed ecologist

Phase	Timing	Requirement / Action	Responsible Party
		Authority for approval.	
Pre-vegetation clearance	Prior to any vegetation clearance	Ensure the Construction Environmental Management Plan – Biodiversity has been approved and communicated to site personnel.	Applicant / Principal Contractor
Site preparation	Prior to planting	Confirm the location of the 21 trees along the southern boundary and ensure the planting area is free from unsuitable material, compaction and construction damage.	Principal Contractor / Landscape Contractor
Tree planting	First suitable planting season following completion of relevant ground works; October to March	Plant 21 trees in accordance with the approved species mix and planting specifications.	Landscape Contractor
Post-planting notification	Within 10 working days of implementation of the HMMP	Provide written notice to Barnsley Metropolitan Borough Council confirming that HMMP implementation has commenced.	Applicant / appointed ecologist
Completion	Within 10 working days of completion	Submit a completion report	Applicant / appointed

Phase	Timing	Requirement / Action	Responsible Party
reporting	of habitat creation works	to the Local Planning Authority, including photographic evidence of tree planting.	ecologist
Years 1–5	Establishment period	Undertake watering, weed control, inspection, replacement planting and formative pruning as required.	Landowner / Landscape Contractor
Years 1, 3 and 5	Monitoring visits	Monitor establishment, survival and condition of the planted trees.	Suitably qualified ecologist / competent person
Years 10, 15, 20, 25 and 30	Long-term monitoring	Confirm continued survival, appropriate management and contribution to BNG objectives.	Suitably qualified ecologist / competent person

2.1 Roles and Responsibilities

The Applicant / Landowner will retain overall responsibility for ensuring that the habitat creation, management, monitoring, reporting and any remedial works set out within this HMMP are implemented for the required 30-year period.

The Principal Contractor will be responsible for ensuring that the approved tree planting locations are protected during construction and that no construction activity, storage of materials, soil compaction or accidental damage compromises the proposed habitat creation areas.

The appointed Landscape Contractor will be responsible for implementing the tree planting works in accordance with this HMMP, including ground preparation, planting, watering, installation of guards or shelters where required, weed control and replacement planting during the establishment period.

A suitably qualified ecologist, arboricultural professional or other competent person will be responsible for undertaking monitoring visits, reviewing tree establishment and condition, identifying remedial actions where required and preparing monitoring reports for submission to the Local Planning Authority.

Where ownership or management responsibility changes during the 30-year management period, the obligations set out in this HMMP will be transferred to the successor in title or relevant management body.

3. Management Objectives

The objectives of this HMMP are to:

- Deliver and maintain the on-site biodiversity enhancements associated with the approved development for a minimum period of 30 years, in accordance with Condition 3 of planning permission 2024/0489
- Implement the planting of 21 individual trees along the southern boundary of the site, adjacent to the existing wooded area, in accordance with the approved Biodiversity Gain Plan and Statutory Biodiversity Small Sites Metric.
- Ensure that the planted trees establish successfully and are maintained in a healthy condition throughout the establishment period and subsequent long-term management period.
- Replace any failed, dead, diseased or seriously damaged trees on a like-for-like basis, or with an alternative native species of equivalent biodiversity value where agreed with the Local Planning Authority.
- Maintain the created habitats so that the development continues to deliver at least 10% Biodiversity Net Gain for the required 30-year period.
- Monitor habitat establishment and condition at defined intervals and implement remedial measures where required.
- Provide written notifications and monitoring reports to Barnsley Metropolitan Borough Council in accordance with the requirements of Condition 3.

4. Habitat Creation, Enhancement, and Management

4.1 Habitat Types and Target Condition

Habitat Type	Baseline Condition	Target Condition	Proposed Management
Individual trees – 21 no. newly planted trees	Not present at baseline	Successfully established individual trees contributing to the post-development BNG value	Planting, watering, weed control, replacement of failures, formative pruning and long-term inspection.
Vegetated garden habitat	Not present at baseline	Established residential garden habitat contributing to on-site biodiversity value	Maintain as vegetated garden habitat; avoid unnecessary hardstanding expansion; retain soft landscaping where practicable.
Ruderal/ephemeral vegetation	Present at baseline; low distinctiveness habitat	To be lost to the approved development	Loss compensated through on-site habitat creation, including vegetated garden habitat and 21 individual trees.
Developed land / built form	Not applicable	Approved residential dwellings, garages, access and associated hardstanding	No biodiversity management required, except to prevent encroachment or damage to retained/created habitats.
Hedgerows	Zero units baseline	Not applicable	No hedgerow creation or management proposed.
Watercourses	Zero units baseline	Not applicable	No watercourse creation or management proposed.

4.2 Specific Management Actions

Tree Planting

A total of 21 individual trees will be planted along the southern boundary of the site, adjacent to the existing wooded area, in accordance with the approved Biodiversity Gain Plan and Statutory Biodiversity Small Sites Metric.

The tree planting mix will comprise:

- Wild Cherry *Prunus avium* – 5 no.
- Field Maple *Acer campestre* – 4 no.
- Rowan *Sorbus aucuparia* – 8 no.
- Whitebeam *Sorbus aria* – 4 no.

Planting will be undertaken during the recognised tree planting season, between October and March, unless otherwise agreed with the Local Planning Authority. Trees will be planted as bare-root whips or suitable nursery stock, using appropriate planting techniques to maximise establishment success. Each tree will be planted into prepared ground, firmed in securely, watered following planting and protected from damage where necessary using suitable guards, stakes or shelters.

The planting area will be kept free from excessive weed growth during the establishment period. Weed control will be undertaken by hand-weeding, mulching or targeted non-residual herbicide application where required and where appropriate. The use of fertilisers will be avoided unless specifically recommended by a suitably qualified arboricultural or landscape professional.

During the first five years following planting, all trees will be inspected at least annually. Any trees which die, fail to establish, are removed, or become seriously damaged or diseased will be replaced during the next suitable planting season with the same species, or with an alternative native species of equivalent biodiversity value where agreed with the Local Planning Authority.

Formative pruning will be undertaken where required to promote healthy structure and long-term viability. Pruning will be limited to what is necessary for tree health, establishment, safety and avoidance of conflict with the approved development.

4.3 Approved Documents, Plans

This HMMP has been prepared with reference to the following approved and supporting documents:

- Planning Decision Notice for application reference 2024/0489.

- Biodiversity Net Gain Supplementary Note, Land off Edmunds Road, Worsborough, Barnsley, S70 4TA, prepared by Haslam Ecology, dated 8 September 2024.
- Statutory Biodiversity Small Sites Metric: 20240489 Biodiversity Small Sites Metric.xlsm.
- Biodiversity Gain Plan for land to the east of the southern end of Edmunds Road, Worsbrough Dale, Barnsley.
- Approved plans listed within the Decision Notice, including 202317 Dwg No. 01 Revision received 26/03/2025 and 202317 Dwg No. 02.
- Any subsequently approved landscaping or habitat plans associated with the discharge of planning conditions.

5. Monitoring and Reporting

5.1 Monitoring Schedule

Year	Monitoring Activity	Responsible Party	Outcome
Year 1	Establishment check following the first growing season, including survival count, health check and fixed-point photography.	Suitably qualified ecologist / appointed competent person	Confirm successful establishment and identify any failed trees requiring replacement.
Year 3	Tree establishment and condition check, including survival, growth, signs of disease, damage, drought stress and protection measures.	Suitably qualified ecologist / appointed competent person	Confirm trees remain on trajectory to deliver the approved BNG outcome and identify remedial actions if required.
Year 5	BNG compliance audit and tree condition assessment.	Suitably qualified ecologist	Confirm establishment success and identify whether replacement planting or management changes are required.

Year	Monitoring Activity	Responsible Party	Outcome
Year 10	Long-term monitoring visit and fixed-point photography.	Suitably qualified ecologist / appointed competent person	Confirm continued survival and appropriate management of the planted trees.
Year 15	Long-term monitoring visit and adaptive management review.	Suitably qualified ecologist / appointed competent person	Confirm ongoing compliance with the HMMP and identify any corrective actions.
Year 20	Long-term monitoring visit and adaptive management review.	Suitably qualified ecologist / appointed competent person	Confirm ongoing compliance with the HMMP and maintenance of BNG outcomes.
Year 25	Long-term monitoring visit and adaptive management review.	Suitably qualified ecologist / appointed competent person	Confirm continued contribution of the tree planting to the approved BNG strategy.
Year 30	Final monitoring visit and long-term management review.	Suitably qualified ecologist	Confirm completion of the 30-year monitoring period and identify any ongoing management recommendations.

5.2 Monitoring Methods

Monitoring will be undertaken by a suitably qualified ecologist, arboricultural professional or other competent person with appropriate experience in habitat management and tree establishment.

Monitoring visits will include:

- A count of all planted trees to confirm survival rate.
- Assessment of tree health, vigour and establishment.
- Identification of failed, dead, diseased, damaged or missing trees requiring replacement.
- Checks for damage from drought, vandalism, browsing, strimming, construction activity or inappropriate management.
- Checks that tree guards, stakes or shelters remain functional and are not damaging the trees.

- Review of weed growth, mulch condition and evidence of watering or aftercare.
- Fixed-point photography from consistent locations to record establishment progress.
- Review of management records, including watering, replacement planting, pruning and other maintenance actions.

Where monitoring identifies that the tree planting is not on track to deliver the approved BNG outcome, remedial measures will be implemented as soon as reasonably practicable and, where required, agreed with the Local Planning Authority.

5.3 Reporting

Monitoring reports will be prepared following monitoring visits in Years 1, 3, 5, 10, 15, 20, 25 and 30, unless otherwise agreed with the Local Planning Authority.

Each monitoring report will include:

- Date of monitoring visit.
- Name and role of the person undertaking the monitoring.
- Summary of management actions completed since the previous monitoring visit.
- Tree survival count and assessment of tree condition.
- Photographic evidence, including fixed-point photographs.
- Details of any failed, dead, diseased, damaged or missing trees.
- Details of any replacement planting or remedial works required.
- Confirmation of whether the habitat creation remains in accordance with the approved Biodiversity Gain Plan and HMMP. and
- Recommendations for any changes to management prescriptions.

In accordance with Condition 3, written notice will be given to Barnsley Metropolitan Borough Council within 10 working days of implementation of the HMMP. Written notice will also be given within 10 working days of completion of the habitat creation and enhancement works, together with a completion report evidencing the completed habitat enhancements.

6. Remedial Actions and Adaptive Management

The following remedial actions will be implemented where monitoring identifies issues with tree establishment or long-term habitat delivery:

- *Failed, dead or missing trees: replace during the next suitable planting season using the same species, or an alternative native species of equivalent biodiversity value where agreed with the Local Planning Authority.*
- *Poor establishment or drought stress: increase watering frequency during dry periods and review mulch, weed control and soil conditions.*
- *Damage from strimming, browsing or vandalism: repair or replace tree guards, stakes or shelters and review site maintenance practices.*
- *Excessive weed competition: undertake hand-weeding, mulching or targeted weed control around the base of planted trees.*
- *Disease or poor tree health: seek advice from a suitably qualified arboricultural professional and replace trees where recovery is unlikely.*
- *Physical damage from construction or occupation: reinstate damaged planting areas, replace affected trees and review protective measures.*
- *Inappropriate management or encroachment: review management responsibilities and ensure the planted tree area is clearly identified and protected from avoidable disturbance.*

Adaptive management will be applied where monitoring demonstrates that current prescriptions are not sufficient to achieve the required BNG outcome. Any substantial changes to the approved habitat creation or long-term management approach will be agreed with the Local Planning Authority where necessary.

7. Legal and Funding Mechanisms

This HMMP is secured through Condition 3 of planning permission 2024/0489 and will apply for a minimum period of 30 years following completion of the habitat creation works, unless otherwise agreed in writing with the Local Planning Authority.

The landowner and/or developer will be responsible for ensuring that the habitat creation, management, monitoring, reporting and any remedial works set out in this HMMP are fully implemented. This includes appointing competent contractors, ecologists or arboricultural professionals where required and

ensuring that adequate funding and resources are available for the duration of the 30-year management period.

Where ownership or management responsibility for the land changes during the 30-year period, the responsibilities set out in this HMMP will be transferred to the successor in title or relevant management body.

8. Conclusion

This HMMP provides a clear framework for the implementation, management, monitoring and reporting of the on-site habitat enhancements required to deliver Biodiversity Net Gain for the approved residential development at land to the east of the southern end of Edmunds Road, Worsbrough Dale, Barnsley.

The proposed habitat creation comprises the planting and long-term management of 21 individual trees, together with associated on-site habitat creation, as set out within the approved Biodiversity Gain Plan and Statutory Biodiversity Small Sites Metric. These measures deliver a net gain of 0.0321 area habitat units, equivalent to a 11.96% biodiversity net gain.

Subject to implementation of the management, monitoring and remedial measures set out in this HMMP, the development will deliver and maintain the required biodiversity outcomes for a minimum period of 30 years in accordance with Condition 3 of planning permission 2024/0489.

Appendices

- **Appendix A:** Site location and habitat plans.
- **Appendix B:** Approved BNG Metric
- **Appendix C:** Habitat descriptions and monitoring proforma.

Appendix A: Site location and habitat plans.



Figure A1.1: Extract from Google Maps showing the site location. (Google, 2026).

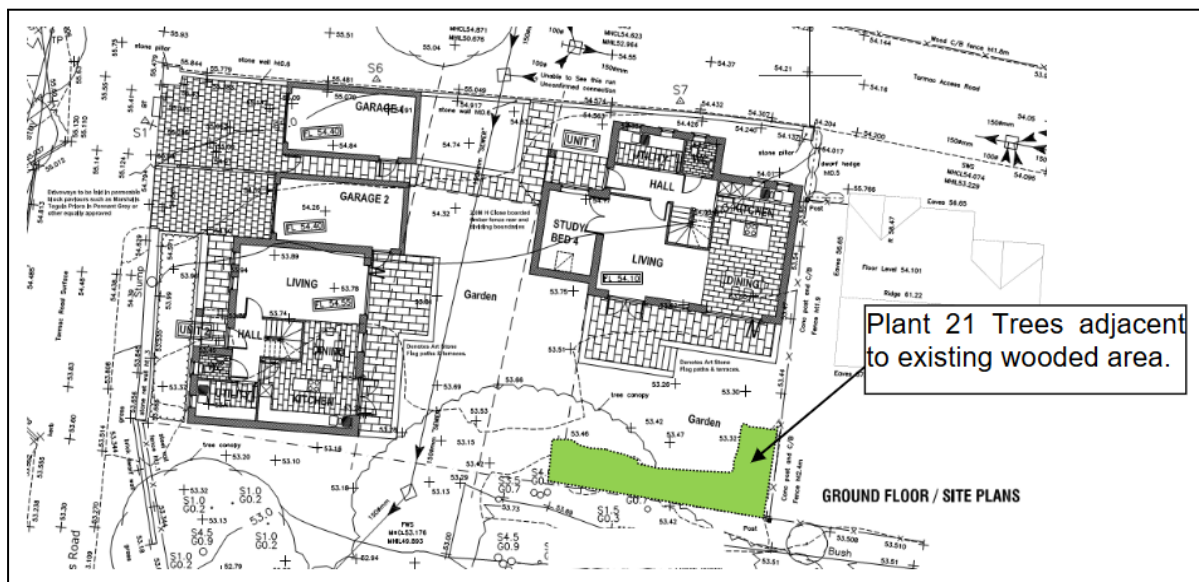


Figure A1.2: Extract from DEFRA MAGIC showing the assessment boundary. (MAGIC, 2026.)

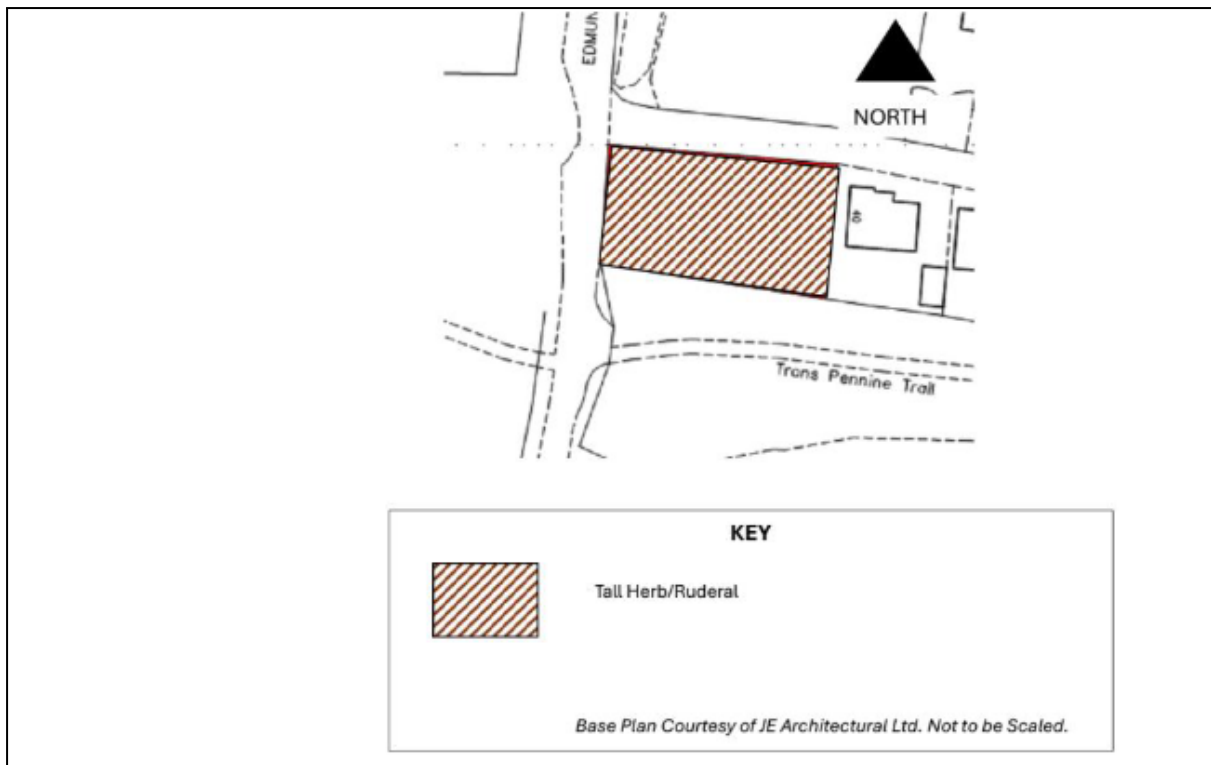


Figure A1.3: Habitat Map - Proposed

Appendix B: Approved BNG Metric

Appendix C: Habitat descriptions and monitoring proforma

1. Habitat Descriptions

- Individual Trees:** The proposed post-development habitat creation includes the planting of 21 individual trees along the southern boundary of the site, adjacent to the existing wooded area. The species mix comprises native and wildlife-beneficial species, including Wild Cherry, Field Maple, Rowan and Whitebeam. The trees will provide long-term ecological value through canopy cover, blossom, berries, structural diversity, nesting opportunities and foraging resources for birds, invertebrates and other wildlife.
- Vegetated Garden Habitat:** The post-development layout includes vegetated garden habitat associated with the approved residential dwellings. This habitat will provide soft landscaping and localised foraging opportunities for common and widespread wildlife, subject to appropriate management and avoidance of unnecessary conversion to hardstanding.
- Ruderal/Ephemeral Vegetation:** The pre-development baseline habitat comprises low distinctiveness ruderal/ephemeral vegetation. The loss of this habitat will be compensated through the proposed on-site habitat creation, including vegetated garden habitat and the planting of 21 individual trees.

- **Hedgerows and Watercourses:** No baseline hedgerow or watercourse units are present within the Statutory Biodiversity Small Sites Metric and no hedgerow or watercourse habitat creation is proposed as part of the BNG strategy.

Monitoring Proforma

Monitoring year	Visit date	Habitat(s) checked	Target condition	Findings (condition , issues)	Photos (refs)	Actions completed , remedial actions	Surveyor
Year 1		21 individual trees / vegetated garden habitat	Confirm successful planting, early establishment and survival.				
Year 3		21 individual trees / vegetated garden habitat	Confirm continued establishment, health and appropriate management.				
Year 5		21 individual trees / vegetated garden habitat	Confirm establishment success and identify any replacement planting required.				

Monitoring year	Visit date	Habitat(s) checked	Target condition	Findings (condition , issues)	Photos (refs)	Actions completed , remedial actions	Surveyor
Year 10		21 individual trees / vegetated garden habitat	Confirm ongoing survival, management and contribution to BNG objectives.				
Year 15		21 individual trees / vegetated garden habitat	Confirm ongoing compliance and identify adaptive management requirements.				
Year 20		21 individual trees / vegetated garden habitat	Confirm ongoing compliance and maintenance of BNG outcomes.				

Monitoring year	Visit date	Habitat(s) checked	Target condition	Findings (condition , issues)	Photos (refs)	Actions completed , remedial actions	Surveyor
Year 25		21 individual trees / vegetated garden habitat	Confirm continued tree survival and appropriate long-term management.				
Year 30		21 individual trees / vegetated garden habitat	Confirm completion of 30-year management and monitoring period.				