APPENDIX ES6.1

BIODIVERSITY NET GAIN PLAN

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BIODIVERSITY NET GAIN PLAN:

COOKS HOLE QUARRY AND THORNHAUGH LANDFILL SITE, PETERBOROUGH

FINAL

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1 INTRODUCTION

1.1 This document provides the Biodiversity Net Gain Plan associated with the restoration of Cooks Hole Quarry and Thornhaugh Landfill Site. For consistency and clarity, the document adopts the following terminology;

- Site - The full extent of land included within the development scheme area.
- Thornhaugh Landfill Site - The northern parcel of land consented for landfill.
- Cooks Hole Quarry - The southern parcel of land consented for mineral extraction.

1.2 The aim of this assessment is to:

- Calculate the Biodiversity Net Gain (BNG) delivery of the proposed restoration plan (DB Landscape Consultancy, 2024, drawing no. THORN036_HAB) in comparison with that of the consented restoration plans for Thornhaugh Landfill Site (AECOM, 2015, drawing no. TLS6) and for Cooks Hole Quarry (URS Scott Wilson/Augean PLC, 2012, drawing no. 4.9-REV B).
- Identify the level of habitat creation and enhancement required to achieve a 10% net gain on the consented restoration plan.
- Provide a breakdown of BNG delivery during each phase of the proposed restoration plan.

1.3 The BNG delivery of the consented restoration plans are provided as Figure 1 and a strategy for BNG delivery of the proposed restoration plan as Figure 2. Two separate Statutory Biodiversity Metrics (hereafter referred to as 'the Metric'), for the combined consented restoration plans and for the proposed restoration plan, are provided as standalone documents.

2 NATIONAL AND LOCAL PLANNING POLICY

2.1 NATIONAL POLICY

2.1.1 The Environment Act 2021 (Schedule 14: Biodiversity gain as a condition of planning permission) states that:

- The biodiversity gain objective is met in relation to development for which planning permission is granted if the biodiversity value attributable to the development exceeds the pre-development biodiversity value of the on-site habitat by at least the relevant percentage.
- The biodiversity value attributable to the development is the total of:
    - The post-development biodiversity value of the on-site habitat.

- The biodiversity value, in relation to the development, of any registered off-site biodiversity gain allocated to the development.
- The biodiversity value of any biodiversity credits purchased for the development.

- The relevant percentage is set at 10%.

2.2 LOCAL PLANNING POLICY

The Peterborough Local Plan, adopted July 2019.

2.2.1 Policy LP28: Biodiversity and Geological Conservation, states that "…*through the development management processes, management agreements and other positive initiatives, the council will…"*:

- Aid the management, protection, enhancement and creation of priority habitats, including limestone grasslands, woodlands and hedgerows, wet woodlands, rivers and flood meadows.
- Promote the creation of an effective, functioning ecological network throughout the district, consisting of core sites, buffers, wildlife corridors and stepping stones that link to green infrastructure in adjoining local authority areas to respond to and adapt to climate change.
- Safeguard the value of previously developed land where it is of significant importance for biodiversity and/or geodiversity.
- Work with developers and Natural England to identify a strategic approach to great crested newt (GCN) mitigation, where this is required, on major sites and other areas of key significance for this species.

3 BIODIVERSITY NET GAIN PLAN

3.1 METHODS

Baseline conditions.

3.1.1 For the purpose of this assessment, to quantify (in terms of Biodiversity Units (BU)) the BNG delivery of each restoration plan for direct comparison, the baseline conditions have been taken as a value of 0BU, utilising the '*Watercourse footprint*' habitat type within the Metric to achieve this. Measuring the value of each restoration plan as a set of habitat creation and enhancement measures in this way ensures the core principles of the Metric, such as the 'time to target condition' multiplier, are appropriately applied to each restoration plan.

Condition assessment.

3.1.2 The habitats to be delivered by both restoration plans have been given an achievable condition assessment target utilising the Metric methodology (Natural England, 2023). The Metric

calculation tool was used to determine the value of each of the restoration plan's biodiversity units (BUs).

Strategic significance.

3.1.3 The desk study was utilised to identify and review Local Planning Policy and other relevant documentation detailing local biodiversity priorities, to determine the strategic significance of habitats both within the baseline and the post-intervention scenario.

3.1.4 Habitats covered by the Local Planning Policy detailed in Section 2.2 above, comprising '*Lowland calcareous grassland*', '*Other neutral grassland*', '*Mixed scrub*', '*Ponds (priority habitat)*', '*Open mosaic on previously developed land*', '*Other woodland; broadleaved*' and '*Species-rich native hedgerow*' have been assigned a **High** strategic significance.

3.1.5 All other habitats, being limited to '*Modified grassland*', have been assigned a **Low** strategic significance.

Additionality considerations.

3.1.6 A recent government consultation response (Defra, 2023a, Section 5.6) states, in summary, that:

- Delivery of non-BNG outcomes, such as GCN habitat, through habitat creation and enhancement measures could contribute up to a point equivalent to no net loss of BNG but not beyond.

3.1.7 Subsequent government guidance (Defra, 2023b) states that:

- If you are creating or enhancing habitat as part of your development, you may be able to count this towards your BNG. You can still do this if the habitat required for your development is to:
    - Provide mitigation or compensation for protected species or sites, for example, nutrient mitigation.
    - If you are also providing off-site mitigation and compensation for protected sites and species, this may count towards your BNG. You should do at least 10% of your BNG through other activities, for example, on-site habitat creation and enhancement.

3.1.8 The delivery of the proposed restoration plan will necessitate mitigation for GCNs. This will comprise a Conservation Area containing 12 new ponds: six ponds in direct compensation for three to be lost (which have been captured up to the point of no net loss) and a further six ponds that qualify towards BNG.

3.1.9 Similarly, the biodiversity value of all terrestrial habitat within the GCN Conservation Area has been captured up to the point of no net loss but not beyond.

3.2 CONSENTED RESTORATION PLAN BIODIVERSITY NET GAIN DELIVERY

Summary of habitat creation and enhancement measures.

3.2.1 Habitat creation and enhancement measures previously captured in the consented restoration plan for each habitat and hedgerow type are summarised in Table 1 below.

TABLE 1: Summary of the consented restoration plan's habitat creation and enhancement measures.

Habitat/Hedgerow Type (Target Condition)	Details of Habitat Creation and Enhancement Measure
Lowland calcareous grassland (Moderate).	The majority of the grassland in the Thornhaugh Landfill Site is provisioned to be restored with calcareous soils and seeded appropriately, to various densities of sward cover.
Modified grassland (Poor).	The majority of Cooks Hole Quarry is provisioned for agricultural pasture use. Typically, such grasslands are seeded with palatable grasses and comprise a limited diversity of plants, as well as limited structural diversity.
Other woodland; broadleaved (Moderate).	Three large areas of woodland are provisioned in Cooks Hole Quarry, together with a more mosaic woodland type in the Thornhaugh Landfill Site, planted with a range of native broadleaved species appropriate to the natural landscape.
Species-rich native hedgerow (Good).	The three fields of Cooks Hole Quarry are defined by hedgerow planting.

Biodiversity Net Gain delivery of the consented restoration plan.

3.2.2 The target condition for each habitat and hedgerow type following the habitat creation and enhancement measures presented in Table 1, together with the number of BUs delivered by each, is detailed in Tables 2 and 3 (above and below) and illustrated on Figure 1.

TABLE 2: Summary of the consented restoration plan's habitats and their contributing values.

Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
Thornhaugh Landfill Site				
Grassland	Lowland calcareous grassland	Moderate	12.0424	38.40
Heathland and shrub	Mixed scrub	Moderate	4.3427	33.43
Lakes	Ponds (priority habitat)	Good	0.1385	1.61
Woodland and forest	Other woodland; broadleaved	Moderate	10.3516	55.81
Cooks Hole Quarry				
Grassland	Modified grassland	Poor	47.0784	90.86
Woodland and forest	Other woodland; broadleaved	Moderate	4.0714	21.95
Total			**78.03**	**242.07**

TABLE 3: Summary of the consented restoration plan's hedgerows and their contributing values.

Broad Habitat Category	Hedgerow Type	Condition	Length (km)	Hedgerow BU
Cooks Hole Quarry				
Hedgerow	Species-rich native hedgerow	Good	1.5107	13.60
Total			**1.5107**	**13.60**

3.3 PROPOSED RESTORATION PLAN'S BIODIVERSITY NET GAIN DELIVERY

Summary of habitat creation and enhancement measures.

3.3.1 The proposed restoration plan covering the Thornhaugh Landfill Site remains unchanged with regard to the overall amount of habitat provision. However, minor changes to the ratio and location of woodland and scrub have been made to enable the restoration to tie more seamlessly into the restoration of Cooks Hole Quarry. The Thornhaugh Landfill Site was also to be restored largely with calcareous soils. A pond that was to be created under the consented Thornhaugh Landfill restoration will now be created within the GCN Conservation Area under the proposed restoration.

3.3.2 Under the consented restoration for Cooks Hole Quarry, the majority of the area is restored to agricultural grassland whereas the proposed restoration will result in a far more biodiverse habitat mosaic, comprising grassland, ponds, scrub, woodland and open mosaic habitats on previously disturbed land.

3.3.3 Habitat creation and enhancement measures to achieve measurable net gain for each habitat and hedgerow type are summarised in Table 4 below. Detailed management prescriptions to achieve the desired habitat and hedgerow types and conditions will be provided as part of a Habitat Management and Monitoring Plan (HMMP).

TABLE 4: Summary of the proposed restoration plan's habitat creation and enhancement measures.

Habitat/Hedgerow Type (Target condition)	Summary of Habitat Creation and Enhancement Measure
Lowland calcareous grassland (Moderate).	Calcareous soils will first be utilised in the GCN Conservation Area of Cooks Hole Quarry and then in areas in Thornhaugh Landfill Site, to provide a mosaic of both calcareous grassland and sparsely vegetated dry chalk grassland communities. A combination of seeding with a suitable chalk and limestone meadow mixture, and natural colonisation of plants from the County Wildlife Site, will be utilised to provide seed stock.
Other neutral grassland (Moderate).	Grassland throughout the majority of Cooks Hole Quarry will be restored utilising soils of a more neutral composition. Suitable meadow species mixes appropriate for the soil characteristics will be sown.

Habitat/Hedgerow Type (Target condition)	Summary of Habitat Creation and Enhancement Measure
Mixed scrub (Moderate).	Mixed scrub will be planted in blocks of varying size and density throughout the restoration. This must comprise a minimum of three native species with no one species comprising more than 70% of the scrub. Species could include but is not limited to hawthorn *Crataegus monogyna*, hazel *Corylus avellana*, crab apple *Malus sylvestris*, field rose, purging buckthorn *Rhamnus cathartica*, dogwood *Cornus sanguinea* and wild service tree *Sorbus torminalis*.
Ponds (priority habitat) (Good).	Twelve ponds will be created in the GCN Conservation Area of Cooks Hole Quarry. These will comprise compensatory breeding habitat for GCNs created in strict accordance with the conditions attached to a Natural England mitigation licence. These will be planted-up with a diverse range of marginal, emergent and aquatic plants.
Open mosaic habitat on previously developed land (Good).	Large detention basins around the restoration of Cooks Hole Quarry will be utilised to provide open mosaic habitats. This will be achieved through leaving bare ground to colonise naturally, allowing a range of early successional plant communities to develop such as annuals, ruderals, lichens/mosses/liverworts, open-grassland and flower-rich grassland. Depending on the duration and frequency of inundation, the detention basins may provide opportunities to maximise communities of inundation and marginal plant species. Active management will look to control scrub encroachment and maintain this varied structure of habitats.
Other woodland; broadleaved (Moderate).	As with mixed scrub, woodland planting will be undertaken throughout the restoration and will comprise a minimum of five native tree species per woodland block. This includes species such as much English oak *Quercus robur* to tie into adjacent woodlands, field maple *Acer campestre*, small leaved lime *Tilia cordata*, wayfaring tree *Viburnum lantana*, wild service tree, silver birch *Betula pendula*, elder *Sambucus nigra*, hawthorn, hazel, purging buckthorn and dogwood.
Species-rich native hedgerow (Good).	A series of hedgerows will be planted throughout the restoration to link-up areas of woodland and scrub planting. These will comprise a minimum of five native hedgerow species per 30m of hedgerow length.

Biodiversity Net Gain delivery of the proposed restoration plan.

3.3.4 The target condition for each Habitat and Hedgerow type following the habitat creation and enhancement measures presented in Table 4, together with the number of BU each delivers, are detailed in Tables 5 and 6 below and illustrated on Figure 2.

TABLE 5: Summary of the proposed restoration plan's habitats and their contributing values.

Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
Thornhaugh Landfill Site				
Grassland	Lowland calcareous grassland	Moderate	11.6806	37.25
Heathland and shrub	Mixed scrub	Moderate	2.451	18.87
Woodland and forest	Other woodland; broadleaved	Moderate	12.7445	68.71
Cooks Hole Quarry				
Grassland	Lowland calcareous grassland	Moderate	4.5856	14.62

Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
	Other neutral grassland	Moderate	28.849	222.10
Heathland and shrub	Mixed scrub	Moderate	7.1139	54.77
Lakes	Pond (priority habitat)	Good	1.2218	14.18
Urban	Developed land; sealed surface	N/A	0.1237	0.00
	Open mosaic habitats on previously disturbed land	Good	3.464	33.64
Woodland and forest	Other woodland; broadleaved	Moderate	5.7923	31.23
Total			**78.03**	**495.38**

TABLE 6: Summary of the proposed restoration plan's Hedgerows and their contributing values.

Broad Habitat Category	Hedgerow Type	Condition	Length (km)	Hedgerow BU
Thornhaugh Landfill Site				
Hedgerow	Species-rich native hedgerow	Good	0.3905	3.51
Cooks Hole Quarry				
Hedgerow	Species-rich native hedgerow	Good	3.0062	27.05
Total			**3.40**	**30.57**

4 CONCLUSIONS

4.1 BIODIVERSITY NET GAIN DELIVERED BY THE PROPOSED RESTORATION PLAN

4.1.1 When compared with the net gain value of the consented restoration plans, the proposed restoration plan provides a net unit change of 253.31BU for habitats and 16.97BU for hedgerows, resulting in a BNG of 104.64% and 124.78% respectively.

4.2 NEXT STEPS

Habitat Management and Monitoring Plan.

4.2.1 Once planning permission has been granted the Biodiversity Net Gain Plan will be submitted to discharge the mandatory biodiversity net gain condition. A HMMP will be submitted to the Local Planning Authority (LPA) for the approval under an appropriately worded planning condition.

Banking the surplus Biodiversity Units.

4.2.2 Augean is receptive to making surplus BUs for a range of habitat and hedgerow types, including those of 'High' distinctiveness, available for purchase within the Peterborough City Council area.

4.2.3 The surplus habitat and hedgerow BUs generated by the proposed restoration plan in comparison with the consented restoration plan are summarised in Table 7 below.

TABLE 7: Summary of the net unit change delivered by the proposed restoration plan, the BU requirement for the scheme to achieve 10% net gain and the surplus BUs once this requirement has been satisfied.

BU Type	Net Unit Change (BU)	Required Net Unit Change (BU) to Deliver 10% Net Gain (i.e., 10% of the consented restoration plan's value)	Surplus BU Available for Banking
Habitat	253.31	24.21	**229.10**
Hedgerow	16.97	1.36	**15.61**

5 PHASING PLAN

5.1 BIODIVERSITY NET GAIN DELIVERY DURING EACH PHASE OF THE RESTORATION

5.1.1 The Proposed Phasing Plan (drawing number AU/CH/11-23/24064revA) has been used to predict the BNG delivery in each phase of the proposed restoration plan. A summary of each habitat and hedgerow type delivered during each phase, together with the number of Bus delivered by each, is detailed in Tables 8 and 9 below and illustrated on Figure 2.

TABLE 8: Summary of habitats and their contributing values delivered in each phase.

Phase	Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
A (CHQ)	Grassland	Lowland calcareous grassland	Moderate	2.0568	6.56
		Other neutral grassland	Moderate	3.0875	23.77
	Heathland and shrub	Mixed scrub	Moderate	1.1406	8.78
	Lakes	Ponds (priority habitat)	Good	0.5636	6.54
	Urban	Open mosaic habitats on previously developed land	Good	0.5949	5.78
	Woodland and forest	Other woodland; broadleaved	Moderate	0.3246	1.75
	Total			**7.77**	**53.18**
B (CHQ)	Grassland	Other neutral grassland	Moderate	2.7287	21.01
	Heathland and shrub	Mixed scrub	Moderate	0.3758	2.89

Phase	Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
	Urban	Open mosaic habitats on previously developed land	Good	0.2792	2.71
	Woodland and forest	Other woodland; broadleaved	Moderate	0.5729	3.09
	Total			**3.96**	**29.70**
C1 (CHQ)	Grassland	Other neutral grassland	Moderate	1.2641	9.73
	Heathland and shrub	Mixed scrub	Moderate	0.6933	5.34
	Woodland and forest	Other woodland; broadleaved	Moderate	1.1509	6.20
	Total			**3.11**	**21.27**
C2 (CHQ)	Grassland	Other neutral grassland	Moderate	1.0129	7.80
	Heathland and shrub	Mixed scrub	Moderate	0.8085	6.22
	Woodland and forest	Other woodland; broadleaved	Moderate	0.2147	1.16
	Total			**2.04**	**15.18**
C3 (CHQ)	Grassland	Other neutral grassland	Moderate	2.2935	17.66
	Heathland and shrub	Mixed scrub	Moderate	0.4941	3.80
	Woodland and forest	Other woodland; broadleaved	Moderate	0.0098	0.05
	Total			**2.80**	**21.51**
D (CHQ)	Grassland	Lowland calcareous grassland	Moderate	2.5288	8.06
		Other neutral grassland	Moderate	1.4041	10.81
	Heathland and shrub	Mixed scrub	Moderate	1.3981	10.76
	Lakes	Ponds (priority habitat)	Good	0.6582	7.64
	Woodland and forest	Other woodland; broadleaved	Moderate	0.6337	3.42
	Total			**6.63**	**40.69**
E (TLS)	Grassland	Lowland calcareous grassland	Moderate	1.2574	4.01
	Heathland and shrub	Mixed scrub	Moderate	0.1403	1.08
	Woodland and forest	Other woodland; broadleaved	Moderate	1.949	10.51
	Total			**3.35**	**15.60**
F (CHQ)	Grassland	Other neutral grassland	Moderate	3.7942	29.21
	Heathland and shrub	Mixed scrub	Moderate	0.1746	1..34

Phase	Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
	Urban	Developed land; sealed surface	N/A	0.1237	0.00
		Open mosaic habitats on previously developed land	Good	1.3557	13.17
	Total			**5.45**	**43.72**
G (CHQ)	Grassland	Other neutral grassland	Moderate	3.2311	24.88
	Heathland and shrub	Mixed scrub	Moderate	0.664	5.11
	Woodland and forest	Other woodland; broadleaved	Moderate	1.3678	7.37
	Total			**5.26**	**37.36**
H1 (TLS)	Grassland	Lowland calcareous grassland	Moderate	1.5095	4.81
	Heathland and shrub	Mixed scrub	Moderate	0.6506	5.01
	Woodland and forest	Other woodland; broadleaved	Moderate	0.8067	4.35
	Total			**2.97**	**14.17**
H2 (TLS)	Grassland	Lowland calcareous grassland	Moderate	1.5218	4.85
	Heathland and shrub	Mixed scrub	Moderate	0.0932	0.72
	Woodland and forest	Other woodland; broadleaved	Moderate	0.0705	0.38
	Total			**1.69**	**5.95**
I (CHQ)	Grassland	Other neutral grassland	Moderate	3.6270	27.92
	Heathland and shrub	Mixed scrub	Moderate	0.6674	5.14
	Woodland and forest	Other woodland; broadleaved	Moderate	0.3893	2.10
	Total			**4.68**	**35.16**
J1 (CHQ)	Grassland	Other neutral grassland	Moderate	2.1930	16.88
	Heathland and shrub	Mixed scrub	Moderate	0.1453	1.12
	Woodland and forest	Other woodland; broadleaved	Moderate	0.1122	0.60
	Total			**2.45**	**18.61**
J2 (CHQ)	Grassland	Other neutral grassland	Moderate	1.2087	9.31
	Heathland and shrub	Mixed scrub	Moderate	0.2357	1.81
	Woodland and forest	Other woodland; broadleaved	Moderate	0.3885	2.09

Phase	Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
	Total			**1.83**	**13.21**
J3 (CHQ)	Grassland	Other neutral grassland	Moderate	3.0042	23.13
	Heathland and shrub	Mixed scrub	Moderate	0.3165	2.44
	Urban	Open mosaic habitats on previously developed land	Good	1.2342	11.99
	Woodland and forest	Other woodland; broadleaved	Moderate	0.6279	3.39
	Total			**5.18**	**40.94**
K (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.6984	2.23
	Heathland and shrub	Mixed scrub	Moderate	0.4877	3.75
	Woodland and forest	Other woodland; broadleaved	Moderate	1.9753	10.65
	Total			**3.16**	**16.63**
L (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.0406	0.13
	Heathland and shrub	Mixed scrub	Moderate	0.1354	1.04
	Woodland and forest	Other woodland; broadleaved	Moderate	1.0503	5.66
	Total			**1.23**	**6.83**
M (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.1187	3.57
	Heathland and shrub	Mixed scrub	Moderate	0.1557	1.20
	Woodland and forest	Other woodland; broadleaved	Moderate	0.2121	1.14
	Total			**1.49**	**5.91**
N (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.5687	1.81
	Heathland and shrub	Mixed scrub	Moderate	0.1965	1.51
	Woodland and forest	Other woodland; broadleaved	Moderate	1.0378	5.60
	Total			**1.80**	**8.92**
O (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.9053	2.89
	Heathland and shrub	Mixed scrub	Moderate	0.0572	0.44
	Woodland and forest	Other woodland; broadleaved	Moderate	0.9717	5.24

Phase	Broad Habitat Category	Habitat Type	Condition	Area (ha)	Habitat BU
	Total			**1.93**	**8.57**
P (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.9746	3.11
	Heathland and shrub	Mixed scrub	Moderate	0.3756	2.89
	Woodland and forest	Other woodland; broadleaved	Moderate	0.3153	1.70
	Total			**1.67**	**7.70**
Q (TLS)	Grassland	Lowland calcareous grassland	Moderate	0.7841	2.50
	Heathland and shrub	Mixed scrub	Moderate	0.0777	0.60
	Woodland and forest	Other woodland; broadleaved	Moderate	0.851	4.59
	Total			**1.71**	**7.69**
Resto-red (TLS)	Grassland	Lowland calcareous grassland	Moderate	2.301	7.34
	Heathland and shrub	Mixed scrub	Moderate	0.0812	0.63
	Woodland and forest	Other woodland; broadleaved	Moderate	3.5052	18.90
	Total			**5.89**	**26.86**

CHQ - Cooks Hole Quarry; TLS - Thornhaugh Landfill Site.

TABLE 9: Summary of hedgerows and their contributing values delivered in each phase.

Phase	Broad Habitat Category	Hedgerow Type	Condition	Length (km)	Hedgerow BU
A (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.4958	4.46
	Total			**0.50**	**4.46**
C2 (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.049	0.44
	Total			**0.05**	**0.44**
C3 (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.2328	2.10
	Total			**0.23**	**2.10**
D (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.4621	4.16
	Total			**0.46**	**4.16**
F (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.317	2.85
	Total			**0.32**	**2.85**

Phase	Broad Habitat Category	Hedgerow Type	Condition	Length (km)	Hedgerow BU
G (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.4435	3.99
	Total			**0.44**	**3.99**
H2 (TLS)	Hedgerow	Species-rich native hedgerow	Good	0.1583	1.42
	Total			**0.16**	**1.42**
I (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.3749	3.37
	Total			**0.37**	**3.37**
J1 (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.187	1.68
	Total			**0.19**	**1.68**
J2 (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.2859	2.57
	Total			**0.29**	**2.57**
J3 (CHQ)	Hedgerow	Species-rich native hedgerow	Good	0.1582	1.42
	Total			**0.16**	1.42
M (TLS)	Hedgerow	Species-rich native hedgerow	Good	0.0884	0.80
	Total			**0.09**	**0.80**
N (TLS)	Hedgerow	Species-rich native hedgerow	Good	0.0408	0.37
	Total			**0.04**	**0.37**
Resto-red (TLS)	Hedgerow	Species-rich native hedgerow	Good	0.103	0.93
	Total			**0.10**	**0.93**

CHQ - Cooks Hole Quarry; TLS - Thornhaugh Landfill Site.

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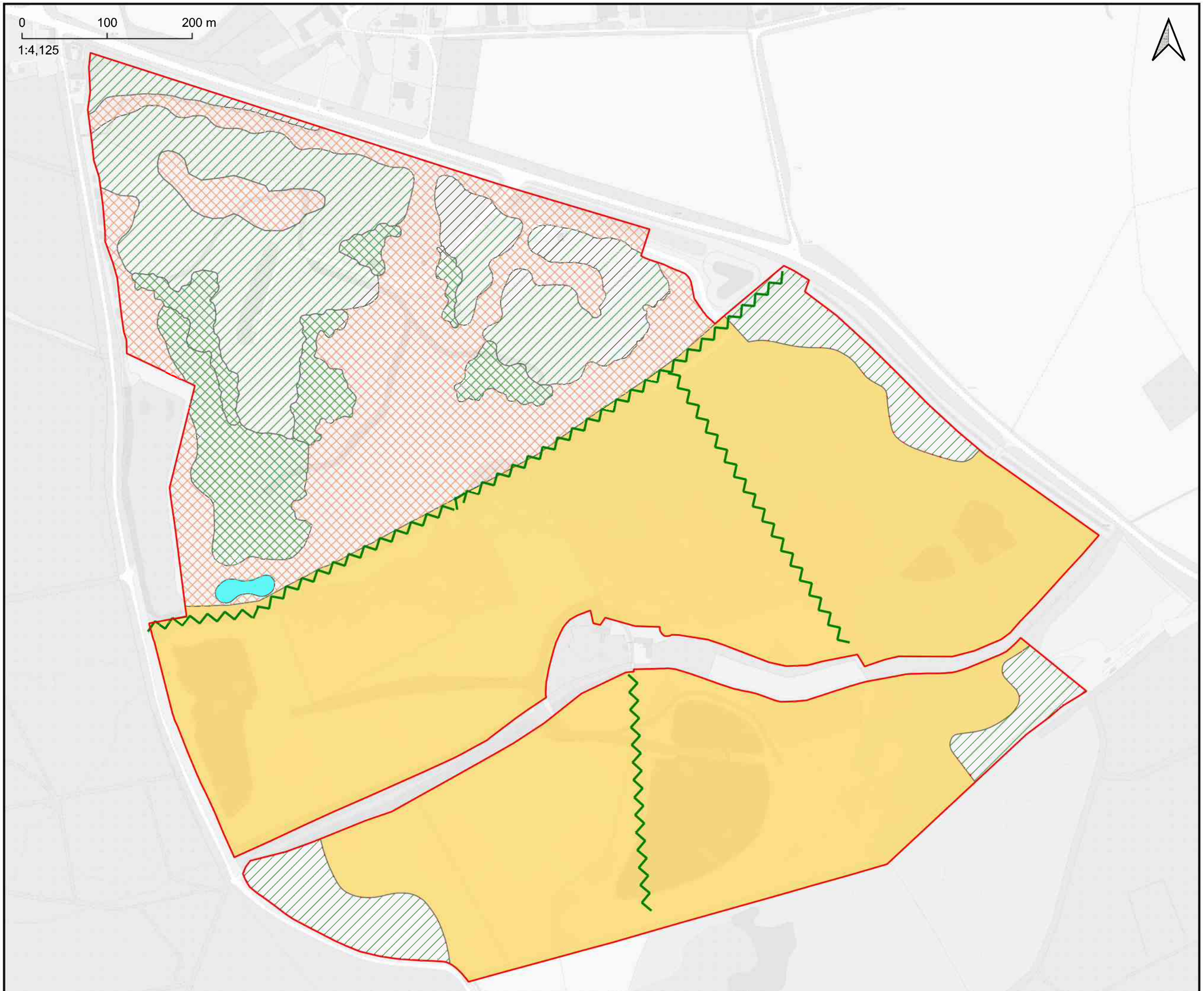
KEY

- Site boundary
- Species-rich native hedgerow (Good condition)
- Lowland calcareous grassland (Moderate condition)
- Modified grassland (Poor condition)
- Mixed scrub (Moderate condition)
- Ponds (priority habitat) (Good condition)
- Other woodland; broadleaved (Moderate condition)



SITE NAME:
Cooks Hole Quarry and Thornhaugh Landfill Site, Peterborough.

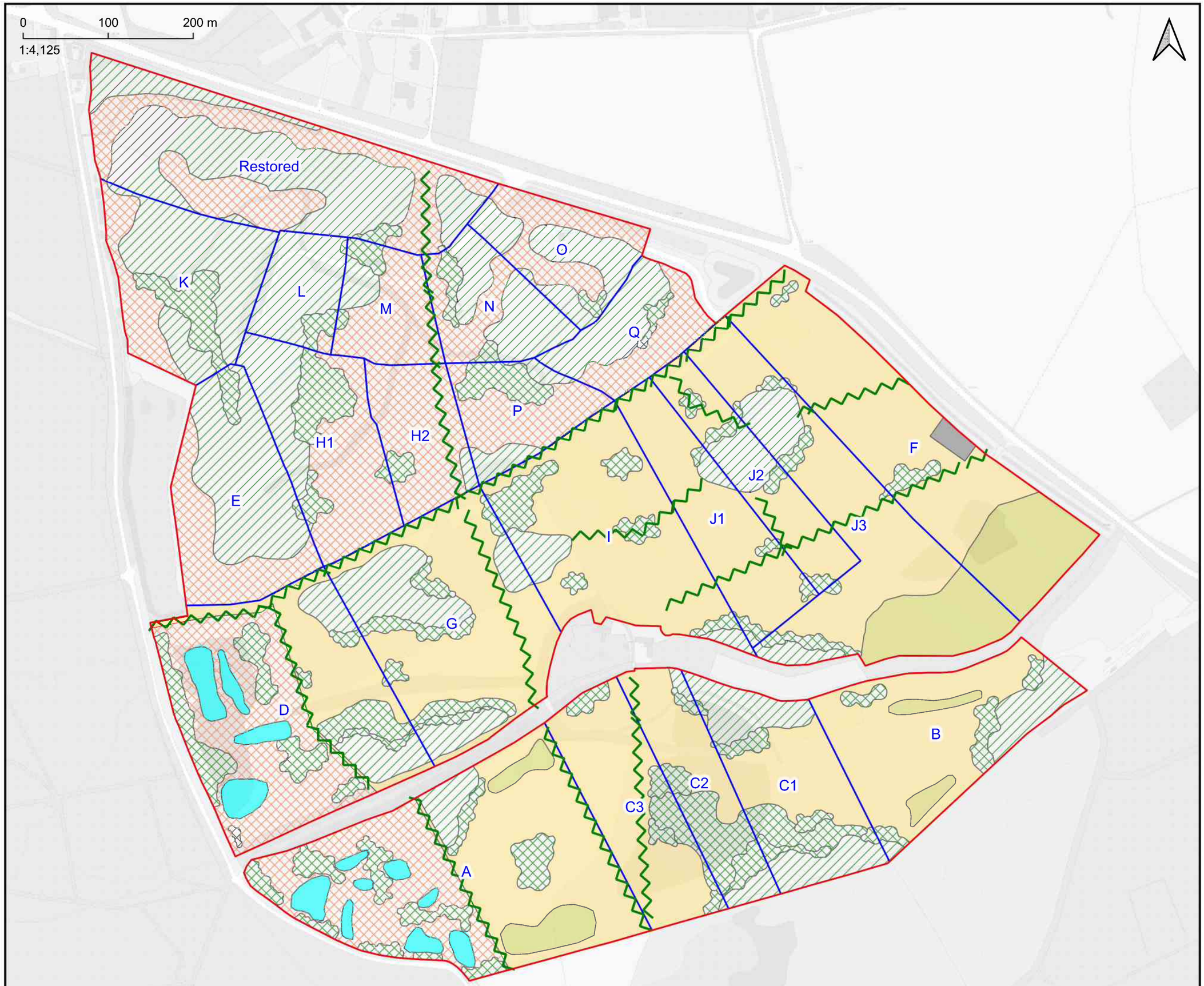
DRAWING TITLE:
Biodiversity Net Gain delivery of the consented restoration plan.

Figure 1
Dwg no.: MJCA125-L032-014 Date: Jan 2024

(Ecological Services) Limited

KEY

- Site boundary
- Phase
- Species-rich native hedgerow (Good condition)
- Lowland calcareous grassland (Moderate condition)
- Other neutral grassland (Moderate condition)
- Mixed scrub (Moderate condition)
- Ponds (priority habitat) (Good condition)
- Developed land; sealed surface
- Open mosaic habitats on previously developed land (Good condition)
- Other woodland; broadleaved (Moderate condition)



SITE NAME:
Cooks Hole Quarry and Thornhaugh Landfill Site, Peterborough.

DRAWING TITLE:
Biodiversity Net Gain delivery of the proposed restoration plan.

Figure 2
Dwg no.: MJCA125-L032-015 Date: Jan 2024

ESL (Ecological Services) Limited