



-  Site Boundary
-  Existing PRoW
-  Existing Hedgerow
-  Proposed Tree Planting
-  Proposed Hedge Planting
-  Proposed Shrub Planting
-  Proposed Amenity Grass
-  Proposed Wildflower Grassland
-  Proposed Rough Tussocky Grassland
-  Proposed Main Access Route
-  Proposed Footpath with Avenue Planting
-  Indicative Location of Mown Path
-  Proposed Allotment Areas and Orchards
-  Proposed School and School Grounds
-  Proposed Development Area
-  Proposed Attenuation Features
Extent of standing water and marginal planting to be determined at detailed stage
-  Proposed Play Area
-  Proposed Artwork or Sculpture
-  Existing Mounds
Incorporated into open space
-  Wildlife Enhancement Area

client
Bellway Homes Limited and Christ Church, Oxford

project title
Water Eaton

drawing title
Illustrative Landscape Strategy Plan

date	23 JANUARY 2023	drawn by	LTI
drawing number	edp5650_d029j	checked	ESt
scale	1:5,000 @ A3	QA	JFr



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**Appendix EDP 3
Biodiversity Metric
(edp5650_r004)**

Water Eaton

Headline Results

Scroll down for final results 

Return to results menu

On-site baseline	Habitat units	91.44	
	Hedgerow units	30.96	
	Watercourse units	0.00	
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	114.06	
	Hedgerow units	50.60	
	Watercourse units	0.00	
On-site net change <small>(units & percentage)</small>	Habitat units	22.63	24.75%
	Hedgerow units	19.64	63.45%
	Watercourse units	0.00	0.00%

Off-site baseline	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change <small>(units & percentage)</small>	Habitat units	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%

Combined net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	22.63	
	Hedgerow units	19.64	
	Watercourse units	0.00	
Spatial risk multiplier (SRM) deductions	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

FINAL RESULTS

Total net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	22.63	
	Hedgerow units	19.64	
	Watercourse units	0.00	
Total net % change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	24.75%	
	Hedgerow units	63.45%	
	Watercourse units	0.00%	
Trading rules satisfied?	Yes ✓		

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	10.00%	91.44	100.58	0.00
Hedgerow units	10.00%	30.96	34.06	0.00
Watercourse units	10.00%	0.00	0.00	0.00

No additional area habitat units required to meet target ✓
 No additional hedgerow units required to meet target ✓
 No additional watercourse units required to meet target ✓

Project Name: Water Eaton Map Reference:
 A-1 On-Site Habitat Baseline

Area habitat summary	
Total Net Unit Change	22.63
Total Net % Change	24.27%
Trading Rules Satisfied	Yes ✓

Condense / Show Columns Condense / Show Rows
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Ref	Existing area habitats				Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological baseline
	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)					
1	Cropland	Cereal crops	No	42.9291	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	85.86
2	Grassland	Modified grassland	No	0.1688	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.34
3	Woodland and forest	Other woodland, broadleaved	No	0.743	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	2.97
4	Heathland and shrub	Bramble scrub	No	0.2733	Medium	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	1.09
5	Heathland and shrub	Mixed scrub	No	0.1469	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	1.18
6	Urban	Developed land, sealed surface	No	1.5744	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00
7									
8									
9									
10									
11									
	Total habitat area				45.84				91.44
	Site Area (Excluding area of individual trees, green walls, intertidal hard structures)				45.84				

Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	Comments		
							User comments	Planning authority comments	Habitat reference number
0	0	0.00	0.00	42.93	85.86				
0.01	0.1262	0.02	0.25	0.03	0.07				
0	0	0.00	0.00	0.74	2.97		Total loss of woodland along western edge of site to facilitate road widening. Poor tree stock does not allow for retention. Woodland 50%+ self seeded sycamores.		
0	0	0.00	0.00	0.27	1.09				
0.08	0	0.64	0.00	0.07	0.54				
1.3484	0	0.00	0.00	0.23	0.00				
1.44	0.13	0.66	0.25	44.27	90.52				

Total area lost (excluding area of individual trees, green walls and intertidal hard structures) 44.27

M² to hectares conversion tool: Select a unit Hectares M²

Project Name: Water Eaton Map Reference:
A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	22.63
Total Net % Change	24.75%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

been used - check evidence to ensu

Ref	Broad Habitat	Proposed habitat	Area (hectares)	Post intervention habitats							Comments		
				Distinctiveness	Condition	Strategic significance	Temporal multiplier		Priority	Habitat units delivered	User comments	Planning authority comments	Habitat reference number
				Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation				
1	Urban	Developed land; sealed surface	15.20292	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Accounts for 70% of developable area across the site plus part of the school site, as illustrated		
2	Urban	Vegetated garden	5.6818	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	10.97	Accounts for 30% of developable area. Used as a proxy for amenity areas not mapped on illustrative plans as well as garden areas in residential blocks.		
3	Urban	Artificial unvegetated, unsealed surface	0.8667	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Pathways through open space		
4	Grassland	Modified grassland	4.9262	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	17.09	Bulk of amenity grassland within larger areas of public open space (i.e. along eastern edge, Cotteslowe Park extension and Barrows Park). To be planted with a flowering lawn mix. Allowing for less intensive use.		
5	Grassland	Modified grassland	2.5659	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	4.95	Amenity grass along road verges and within school site. Basic amenity mix, managed for intensive use.		
6	Grassland	Other neutral grassland	7.65	Medium	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	41.25	Tussocky grassland. Seeded and cut very infrequently (once every 2+ years) to halt scrub progression.		
7	Grassland	Other neutral grassland	0.9949	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	3.71	Seasonally wet grassland surrounding SuDS features		
8	Grassland	Traditional orchards	0.0684	High	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.34	Community orchard		
9	Heathland and shrub	Mixed scrub	0.4289	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	2.87	Scrub/shrub planting across public open space		
10	Urban	Allotments	0.5404	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	1.04			
11	Urban	Sustainable drainage system	0.7173	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Medium	0.93	SuDS features to be designed with wildlife in mind. Accounts for c.67% of total SuDS area, remainder as ponds.		
12	Woodland and forest	Other woodland; broadleaved	3.5141	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	11.76	Woodland planting along western site edge and within PCS.		
13	Lakes	Ponds (non-priority habitat)	0.3778	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	2.72	Accounts for c.33% of total SuDS area, allowing for open water features designed with wildlife in mind.		
14	Individual trees	Urban tree	3.95	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	11.06	Allows for 520 small trees and 50 medium (based on growth from baseline over 27 years)		
15	Grassland	Other neutral grassland	0.0565	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.38	Wildflower grassland within wildlife enhancement area		
16	Grassland	Other neutral grassland	0.1191	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.00	Wet grassland within SuDS features and Tussocky grassland inside wildlife enhancement area		
17	Lakes	Ponds (non-priority habitat)	0.05	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.50	Open water within SuDS features within wildlife enhancement area		
18	Urban	Sustainable drainage system	0.0212	Low	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Medium	0.07	SuDS features within wildlife enhancement area, incorporating marginal vegetation		
19	Woodland and forest	Other woodland; broadleaved	0.4977	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	15	Low	2.33	Woodland planting within wildlife enhancement area		
20													
21													
22													
23													
24													
Total habitat area			48.23										

Site Area (Excluding area of individual trees, green walls, intertidal hard structures) 44.28

M² to hectares conversion tool: Select a unit Hectares M²

Project Name: Water Eaton Map Reference:
B-1 On-Site Hedge Baseline
 Condense / Show Columns Condense / Show Rows
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Hedgerow summary	
Total Net Unit Change	19.64
Total Net % Change	63.45%
Trading Rules Satisfied	Yes ✓

Ref	Existing hedgerow habitats			Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological Baseline Total hedgerow units	Comments								
	Hedge number	Habitat type	Length (km)						Distinctiveness	Condition	Strategic significance	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost
1	H1	Native hedgerow	0.31	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.24		0.14	0.00	0.56	0.17	0.68			
2	H2	Native hedgerow	0.22	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.44		0.22	0.00	0.44	0.00	0.00			
3	H3	Species-rich native hedgerow	0.35	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	2.80	0.3		2.40	0.00	0.05	0.40			
4	H4	Species-rich native hedgerow	0.4	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.20		0.36	0.00	2.88	0.04	0.32			
5	H5a	Native hedgerow	0.08	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32		0.05	0.00	0.20	0.03	0.12			
6	H5b	Native hedgerow	0.29	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	1.16		0.27	0.00	1.08	0.02	0.08			
7	H6a	Species-rich native hedgerow	0.04	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.32		0.04	0.00	0.32	0.00	0.00			
8	H6b	Native hedgerow	0.23	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.46		0.23	0.00	0.46	0.00	0.00			
9	H7a	Species-rich native hedgerow with trees - associated with bank or ditch	0.18	V.High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like	1.44		0.18	0.00	1.44	0.00	0.00			
10	H7b	Species-rich native hedgerow with trees - associated with bank or ditch	0.12	V.High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like	0.96		0.12	0.00	0.96	0.00	0.00			
11	H8	Species-rich native hedgerow	0.38	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.04		0.38	0.00	3.04	0.00	0.00			
12	H9	Species-rich native hedgerow with trees	0.25	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	3.00		0.24	0.00	2.88	0.01	0.12			
13	H10	Native hedgerow	0.09	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.18			0.00	0.00	0.09	0.18			
14	H11	Native hedgerow	0.11	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.22			0.00	0.00	0.11	0.22			
15	H12	Species-rich native hedgerow with trees	0.27	High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.62		0.27	0.00	1.62	0.00	0.00			
16	H13	Species-rich native hedgerow with trees	0.13	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.56			0.00	0.00	0.13	1.56			
17																	
18	H15	Species-rich native hedgerow with trees - associated with bank or ditch	0.17	V.High	Good	Area/compensation not in local strategy/ no local strategy	Like for like	4.08	0.17		4.08	0.00	0.00	0.00			
19	H16	Species-rich native hedgerow with trees	0.09	High	Moderate	Area/compensation not in local strategy/ no local strategy	Like for like or better	1.08		0.09	0.00	1.08	0.00	0.00			
20	H17	Species-rich native hedgerow	0.32	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	3.84	0.32		3.84	0.00	0.00	0.00			
21																	
22																	
23																	
24																	
25																	
			4.03					30.96		0.79	2.69	10.32	16.96	0.66	3.68		

Project Name: Water Eaton Map Reference:
 B-2 On-Site Hedge Creation

Hedgerow summary	
Total Net Unit Change	19.64
Total Net % Change	63.45%
Trading Rules Satisfied	Yes ✓

Condense / Show Columns

Condense / Show Rows

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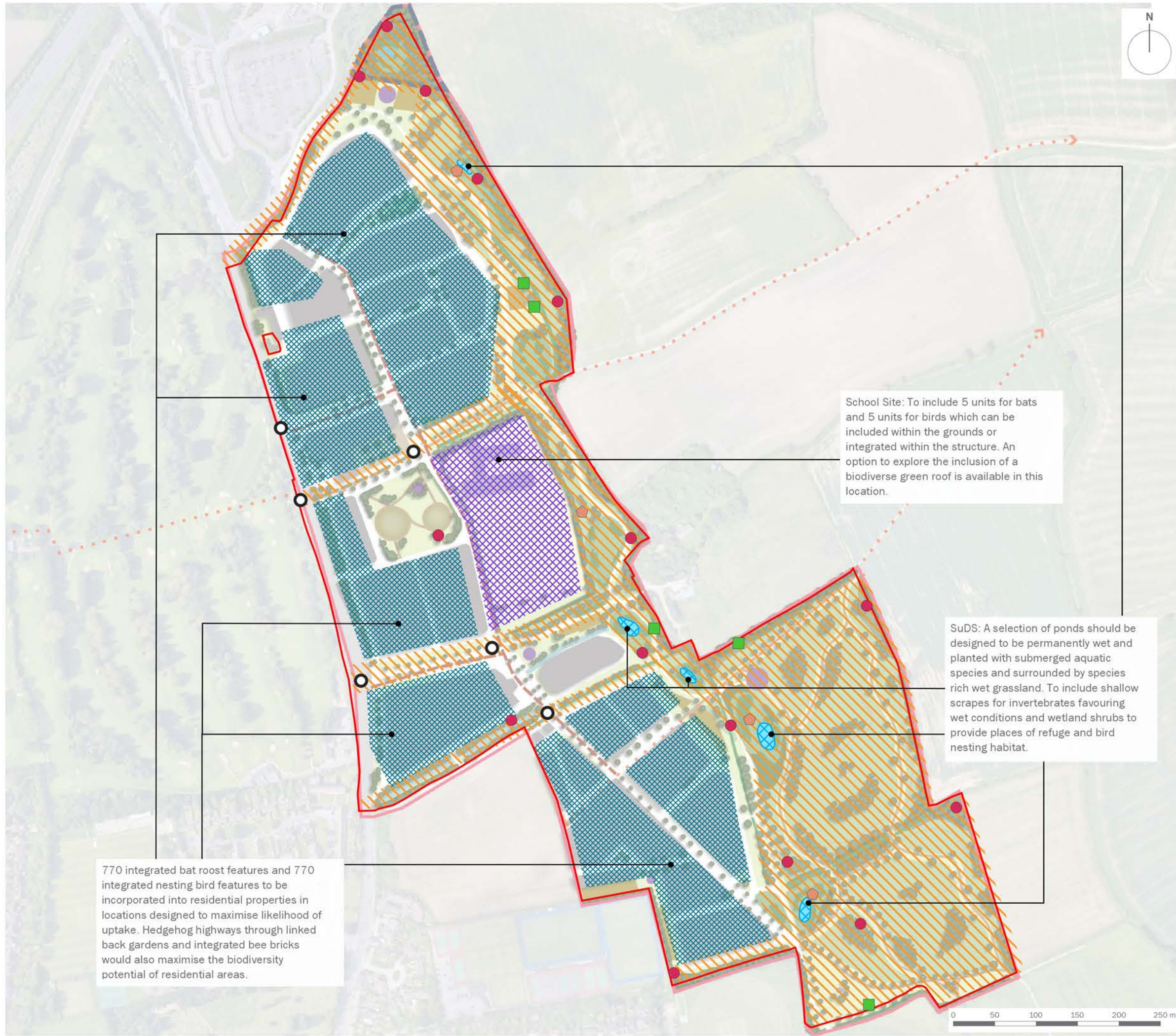
Ref	New hedge number	Proposed habitats		Distinctiveness	Condition	Strategic significance	Temporal multiplier			Difficulty risk multipliers	Hedge units delivered	Comments		
		Habitat type	Length (km)				Distinctiveness	Condition	Strategic significance			Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation
1	New	Species-rich native hedgerow	0.93	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	6.23				
2														
3														
4														
5														
6			0.93							6.23				

Plans

Plan EDP 1: Ecological Mitigation Plan
(edp5650_d066e 27 February 2024 VMS/ERo)

Plan EDP 2: Biodiversity Net Gain Assessment – Pre-development Habitats
(edp5650_d071a 07 February 2023 GYo/WCo)

Plan EDP 3: Biodiversity Net Gain Assessment – Post-development Habitats
(edp5650_d072d 23 January 2024 GYo/MMc)



- Site Boundary
- Connectivity Measures for Commuting/Foraging Bats
- Hop Over
- Dark Zone
- Birds/ Bat/Reptile Mitigation
- Tree/Pole Mounted Bird Box - to Include Units for a Range of Species Including Barn Owl.
- Tree Bat Box - 3 Units per Tree to Give a Variety of Climatic Conditions
- ♣ Log/Brash Pile - to Attract Reptiles
- Mitigation Areas
- School Area
- Residential Area
- Sustainable Drainage System (SUD)

School Site: To include 5 units for bats and 5 units for birds which can be included within the grounds or integrated within the structure. An option to explore the inclusion of a biodiverse green roof is available in this location.

SuDS: A selection of ponds should be designed to be permanently wet and planted with submerged aquatic species and surrounded by species rich wet grassland. To include shallow scrapes for invertebrates favouring wet conditions and wetland shrubs to provide places of refuge and bird nesting habitat.

770 integrated bat roost features and 770 integrated nesting bird features to be incorporated into residential properties in locations designed to maximise likelihood of uptake. Hedgehog highways through linked back gardens and integrated bee bricks would also maximise the biodiversity potential of residential areas.

client
Bellway Homes Limited and Christ Church, Oxford

project title
Water Eaton

drawing title
Ecological Mitigation Plan

date	27 FEBRUARY 2024	drawn by	VMS
drawing number	edp5650_d066e	checked	ERo
scale	1:4,500 @ A3	QA	JFr