

CONSTRUCTION
ENVIRONMENTAL
MANAGEMENT PLAN

at

Leeds City Academy
Bedford Field
Woodhouse
Leeds
LS6 2LG

Client:
Faithful + Gould

Client Address:
3100 Century Way
Thorpe Park
Leeds
West Yorkshire

JCA Ref:
19638c/JF

Date of Report:
13/03/2024



Quality Assurance

Version	Desktop Survey Completed:		Site Surveyed:		Report Completed:		Checked:	
	Date	Name	Date	Name	Date	Name	Date	Name
Planning	N/A	N/A	N/A	N/A	01/12//23	James Foster	01/12/23	Alex Donovan
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This report has been prepared and provided in accordance with the British Standard 42020: Biodiversity –Code of practice for planning and development and the CIEEM’s Code of Professional Conduct

Risk Assessment Complete	N/A
Bio-security Procedure Completed	
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Contents

Quality Assurance	2
Contents	3
1 Introduction	4
1.1 Background	4
1.2 Site Description and Location	4
1.3 Details of Proposed Development	4
1.4 Scope of report	5
1.5 Summary of Baseline Ecology Likely to Be Affected	5
1.6 Scope of the CEMP	6
2 Aims and Objectives.....	7
2.1 Aim.....	7
2.2 Objectives	7
2.3 Ecological issues	7
3 Environmental Management Framework	9
3.1 Environmental Policy	9
3.2 Environmental Aspects and Impacts	9
3.3 Training, Awareness and Competence	9
3.4 Evaluation of Compliance	10
4 Operational Control Procedures	11
4.1 General	11
4.2 Site Establishment	11
4.3 Boundary Fencing	12
4.4 Pollution Prevention	12
4.5 Protection of Existing Environmental Features	12
4.6 Site Housekeeping	14
4.7 Responsible Persons	15
4.8 Nature Conservation	15
5 References	17
Appendix 1: UKHab Habitat Map	21
Appendix 2: Proposed Development Map	23
Appendix 3: Author Qualifications	25



1 Introduction

1.1 Background

1.1.1 In November 2023, JCA Ltd were commissioned by Faithful + Gould to produce a Construction Environmental Management Plan (CEMP) for a site located at Leeds City Academy, Bedford Field, Woodhouse, Leeds hereafter referred to as 'the site'.

1.1.2 To support the fulfilment of the above, the following have previously been undertaken:

- An Ecological Impact Assessment (EcIA) was undertaken in December 2022 by JCA Ltd. (JCA ref: 19638/AuB).
- A Bat Activity survey was undertaken in July 2023 (JCA ref: 19638a/AWe).
- A Bat Emergence survey was undertaken in June 2023 (JCA ref: 19638b/AWe).

1.1.3 Utilising the information from the above survey work, this current report details a Construction Environmental Management Plan (CEMP) with respect to statutory protected sites, the West Yorkshire Bat Alert Zone, the West Yorkshire Wildlife Habitat Network, surrounding habitats and avoiding harm and disturbance to nesting birds, bats and hedgehogs during the course of works. The post-construction habitat creation, monitoring and management of the site is to be considered in separate reports and is not included within this document.

1.2 Site Description and Location

1.2.1 Leeds City Academy, Bedford Field, Woodhouse, Leeds is situated approximately 2.2km north of the central of Leeds, at grid reference SE 29160 35791, with a nearby post code of LS6 2LG.

1.2.2 The site currently consists predominantly of modified grassland, scattered trees, developed land sealed surfaces, buildings, areas of suburban/mosaic of developed/natural surface and areas of mixed woodland in the centre and southwestern sections of the site.

1.2.3 The site is bordered directly to the north and east by woodland, and by residential properties to all sides.

1.3 Details of Proposed Development

1.3.1 The scheme is the construction a two-storey rear extension to provide additional teaching facilities, construction of single storey extension to the existing dining hall, new 5V5 pitch, new netball court, new substation, improvements to car parking and associated works.



1.3.2 Under the current plans, sections of modified grassland, scattered trees and developed land sealed surface will be removed to facilitate the development.

1.4 Scope of report

1.4.1 This report is compiled in accordance with guidance outlined in the National Planning Policy Framework (NPPF) so that the development considers the value of ecosystem services and enhance ecological networks.

1.5 Summary of Baseline Ecology Likely to Be Affected

1.5.1 The EclIA conducted by JCA Ltd. (JCA ref: 19638/AuB) details the habitats and species present on site that are vulnerable to adverse impacts, either directly or indirectly, by the proposed works and provides a discussion of the ecology on site.

1.5.2 Notable habitats

One Habitat of Principal Importance (as listed on Section 41 (S41) of the of the Natural Environment and Rural Communities (NERC) Act 2006), was found within or adjacent to the site:

- Deciduous woodland: adjacent to site to the north and east.

1.5.3 Statutory Designated sites

There are no internationally designated sites with 2km of the site. However, the site falls within the Special Site of Scientific Interest (SSSI) impact zone of Leeds-Liverpool Canal SSSI; however, under the current development plans, the development does not meet the criteria that requires Natural England to be contacted.

The MAGIC website revealed one nationally designated site within 2km of the site. Meanwood Valley is a Local Nature Reserve, located 1860m from the site and designated for its ancient woodland, heath, meadow, flushes, mire, streams, and ponds.

1.5.4 Non-statutory Designated sites

No non-statutory designated sites within 2km of the site were returned by West Yorkshire Ecological Services (WYES), the local environmental records centre.

1.5.5 Habitats

The EclIA conducted by JCA Ltd. (JCA ref: 19638/AuB) described the following habitats on site (The UK Habitat Classification, Habitat Definitions Version 1.1, UKHab, 2020):

- g4 –Modified grassland –66 –Frequently mown –710 –Educational



premises open space.

- w1h –Other woodland; mixed –36 –Plantation
- u –Urban trees.
- u1b –Developed land; sealed surface.
- u1b5 –Buildings.
- u1d –Suburban/ mosaic of developed/ natural surface –231 –
Vegetated garden –1160 –Introduced shrub.

1.5.6 Species

The EclA identified the sites potential to support the following species:

- Birds –The site was found to provide potential nesting for a range of bird species.
- Bats –The site was found to offer low roosting potential and foraging and commuting opportunities for a range of bat species.
- Hedgehogs –The site was found to provide potential for commuting and foraging and hedgehogs.

1.6 Scope of the CEMP

1.6.1 This CEMP has been produced to remove or reduce the ecological impacts of construction works for the proposed development with regards to statutory sites, the West Yorkshire Bat Alert Zone, the West Yorkshire Wildlife Habiata Network, surrounding habitats and to avoiding harm and disturbance to the species mentioned in Section 1.5.6 during the course of works.

1.6.2 Through the implementation of appropriate mitigation measures, detrimental impacts and breaches of current UK wildlife legislation will be avoided. Without these measures there is the risk of adversely impacting the statutory sites, the West Yorkshire Bat Alert Zone, the West Yorkshire Wildlife Habiata Network and surrounding habitats and protected species, including nesting birds, bats, and hedgehogs.



2 Aims and Objectives

2.1 Aim

2.1.1 Preservation and enhancement of the site's ecology, with regards to:

- Nesting birds
- Roosting, commuting and foraging bats
- Commuting and foraging hedgehogs
- Statutory sites
- The West Yorkshire Bat Alert Zone,
- The West Yorkshire Wildlife Habitat Network
- The integrity of the surrounding habitats

2.2 Objectives

2.2.1 To ensure no breach of UK wildlife legislation occurs on site for the duration of the proposed development.

2.2.2 To protect nesting birds, bats, and hedgehogs from harm and disturbance caused by the proposed development and construction works.

2.2.3 To minimise damage to the adjacent woodland and surrounding habitats as part of the final development.

2.3 Ecological issues

2.3.1 The priority ecological issues i.e., those that have legislative requirements or planning considerations and are relevant to the site and the proposed works, are as follows:

2.3.2 National legislation

- Nesting birds are protected under the Wildlife and Countryside Act 1981 (as amended).
- Bats and their roosts are protected under the Conservation of Habitats and Species (as amended) (EU Exit) Regulations 2019 and Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).
- Hedgehogs are protected under Schedule 6 of the Wildlife and Countryside Act 1981 (as amended) and the Wild Mammals (Protection) Act 1996.



- Deciduous woodlands are priority habitats under S41 NERC: habitats and species of principal importance in England.
- Local Nature Reserves are protected by Policy G8 of the Leeds Core Strategy.
- The West Yorkshire Bat Alert Zone and The West Yorkshire Wildlife Habitat Network are both protected by the Policy G9 of the Leeds Core Strategy.

2.3.3 Planning considerations

NERC Act 2006 habitats of principal importance –there are no habitats onsite considered to be of principal importance under the NERC Act 2006. However, the deciduous woodland adjacent to the site is considered a habitat of principle importance.

NERC Act 2006 species of principal importance –There is suitable habitat to support species of principal importance within the proposed development site, i.e. bats, hedgehog, invertebrates and a wide range of birds.



3 Environmental Management Framework

3.1 Environmental Policy

3.1.1 The project will be carried out in accordance with the policies/objectives listed below:

- The National Planning Policy Framework (Chapter 15).
- Leeds Council's Environmental Policy and procedures;
- Principles of the Housebuilders Design Guide SPD.
- The designer's environmental policy and procedures; and
- During the pre-construction and construction phases, management of the project will also need comply with the Contractor's Environmental Policy and procedures.

3.2 Environmental Aspects and Impacts

3.2.1 Environmental objectives for the construction phase will be developed and should refer to legal compliance and environmental good practice, these will include:

- Zero pollution incidents; and
- Protect and where possible enhance biodiversity.

3.2.2 Procedures for monitoring construction processes against the project environmental objectives will be proposed by the Contractor and agreed with the Client Project Manager.

3.3 Training, Awareness and Competence

3.3.1 Site staff shall be competent to perform tasks that have the potential to cause a significant environmental impact. Competence is defined in terms of appropriate education, training, and experience. Project specific training is required, and the information provided in this CEMP, together with the findings of any pre-construction surveys or site checks may be used as part of this training.

3.3.2 Environmental awareness and training shall be achieved by:

- Site induction, including relevant environmental issues.
- Environmental posters and site notices.
- Method statement and risk assessment briefings.



- Toolbox talks, including instruction on incident response procedures; and
- Key project-specific environmental issues briefings.

3.3.3 All managers and supervisors will be briefed on the CEMP.

3.3.4 Method Statements will be prepared for specific activities prior to the works commencing and will include environmental protection and mitigation measures and emergency preparedness appropriate to the activity covered. The Construction Site Manager will review key Method Statements prior to their issue.

3.3.5 Method Statement briefings will be given before personnel carry out key activities for the first time.

3.4 Evaluation of Compliance

3.4.1 The Contractor will define procedures for regular site surveillance to evaluate performance against legal requirements and the requirements of the CEMP.



4 Operational Control Procedures

4.1 General

4.1.1 Specific management proposals to be included in the CEMP are to be developed relating to the following topics:

- Site establishment.
- Boundary fencing.
- Pollution prevention.
- Protection of existing environmental features.
- Site housekeeping.
- Nature conservation.
- Compensation & enhancement.
- Landscape design.

4.2 Site Establishment

4.2.1 Facilities will be established by the contractor to minimise risks to the environment and promote efficient use of resources. This will include:

- Temporary protective fencing will be erected to delineate the working areas, site boundaries, and protect sensitive features from disturbance.
- Provision of temporary offices, welfare facilities and secure storage of equipment.
- Any necessary fuel and oil will be stored in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001. Refuelling will only be undertaken in designated area, designed to contain contaminated runoff, and by trained personnel. Emergency spill kits will be readily available.
- Materials storage areas will be set up and managed.
- Waste segregation areas will be established utilising containers of an appropriate design to ensure that no waste can escape.
- Sewage effluent from the site office and welfare facilities will be removed from site, using a vacuum tanker, if no sewer connection is available.
- Temporary lighting will be designed to minimise spillage of light, and oriented



away from features of ecological importance and residential properties.

- The temporary site compound will be reinstated to its former condition, suitable for agricultural use, following completion of the project.

4.3 Boundary Fencing

4.3.1 The site boundary should be fenced with Heras fencing, as a necessary for security, to prevent windblown litter or waste from polluting the wider environment and to exclude mobile species, such as badgers, hedgehogs, foxes, and domestic pets, that may be trapped or harmed in excavations or around plant or materials.

4.4 Pollution Prevention

4.4.1 A pollution control and contingency plan will be developed by the Contractor to provide details of the measures to be implemented to prevent pollution and the actions to be taken in the event of an environmental incident or emergency. The pollution control plan will consider measures for reducing or removing impacts to statutory sites, the West Yorkshire Wildlife Habitat Network, the West Yorkshire Bat Alert Zone and deciduous woodland (a S41 habitat) and the surrounding environment.

4.4.2 An 'environmental incident' is defined as any event, activity or condition that causes, or has the potential to cause harm to people, or damage to property or the environment. 'Pollution' is defined as any harmful impact on the local atmospheric, aquatic or land environment caused by release of hazardous or nuisance-causing substances or excessive noise and vibration.

4.4.3 Measures will be developed to control site runoff and prevent contamination. Account will be taken of the following good practice guidance: Regulatory guidance is available from GOV.UK. Current guidance explains how to: report an environmental incident, get permission to discharge to surface or groundwater, manage business and commercial waste, store oil and any oil storage regulations, discharge sewage with no mains drainage, work on or near water and manage water on land.

- PPG 1: Understanding your environmental responsibilities - good environmental practices.
- GPP 5: Works and maintenance in or near water.
- PPG 6: Working at construction and demolition sites.
- GPP 21: Pollution incident response planning.
- GPP 22: Dealing with spills.

4.5 Protection of Existing Environmental Features



4.5.1 S41 habitat

Protective Heras fencing, at least 1.8m in height, is to be installed between the development and the deciduous woodland to the north and east of the site. This fence is to be retained for the duration of the works to prevent species such as badgers and hedgehogs from commuting onsite and to prevent construction works causing any damage to the woodland. The fence should be inspected regularly and repaired as necessary for the duration of the works. Lighting should not fall onto the woodland (see Section 4.5.3). No refuelling or plant operations shall take place within 30m of the woodland. To prevent any possible chemicals from entering the woodland, use on site must be limited where possible. If chemical use is unavoidable the appropriate preventative measures must be in place to prevent any possible chemical spills, this includes a plan to quickly combat any chemical spills that may occur. The use of herbicides should be limited where possible. For vegetation removal, manual removal should be adopted. This is to limit possible herbicide runoff into the woodland. Track matting is also recommended to limit the impact of the development to any retained habitats.

4.5.2 Birds

The trees onsite provide suitable habitat for nesting birds. Works in or adjacent to these habitats should take place outside of the bird nesting season (February to August, inclusive). If this is not possible, a pre-construction site walkover should be conducted by a suitably experienced ecologist to search for the presence of active birds' nests. Any such nests must remain in situ until all young have fledged with a buffer of undisturbed vegetation surrounding it. The size of the buffer will depend on the species present as different species are more sensitive to disturbance than others.

4.5.3 Bats

Inappropriate lighting in the vicinity of the woodland, and scattered trees and the undeveloped grasslands can cause disturbance to bat populations and individuals. At first instance, night-time working should be avoided. If this is not possible, any additional lighting that might be required onsite should not add to existing night-time light levels in proximity to the boundary habitats and surrounding agricultural fields. A wildlife friendly lighting design scheme should also be incorporated into the proposed development plans. Below, we have prepared guidance in line with the information provided by the Institute of Lighting Professionals (ILP, 08/23) to aid in planning lighting schemes with the aim of further limiting the impact that lighting may have on local wildlife populations post development.

It is important to avoid:

- Uniform levels of luminance across the site.
- Metal halide and florescent lighting.



- Upward tilting lighting that increases skyline luminance.

Instead, the following should be installed:

- Dark buffer zones.
- Screening in the form of vegetation, fences, and structures.
- Appropriately designated darkened areas.
- Luminaries absent of UV elements.
- LED luminaries with a sharp cut-off, low intensity, and good rendition.
- Peak luminaire wavelength at a minimum of 550nm.
- Downward directional luminaires with upward light ratios of 0%.

The most important element of the lighting scheme is that no light spill is to fall into the adjacent woodland, scattered trees, and undeveloped grasslands.

Dark corridors are to be incorporated into the lighting scheme for the development, along the boundaries, to facilitate passage of commuting bats into the surrounding landscape.

4.5.4 Hedgehogs

To permit hedgehog migration and safe passage of hedgehogs through the site, any excavations created during the development stage must be covered at night or appropriate escape routes implemented. Planks are to be placed at a 45-degree angle for hedgehogs to escape safely.

4.6 Site Housekeeping

4.6.1 A 'good housekeeping' policy will be adopted across the site. This will include the following requirements:

- No fires on site.
- Disposal of waste in designated areas.
- Removal of food waste and other rubbish at frequent intervals.
- Maintenance of cleanliness surrounding the site.



4.7 Responsible Persons

4.7.1 The Client/Employer

Morgan Sindall Construction Limited is ultimately responsible for the execution of this CEMP and must comply to the recommendations made in this CEMP.

4.7.2 Lines of Communication

The persons responsible as key contacts during the development are as follows.

- Richard Bowmer: Project Manager, Morgan Sindall Construction Limited (Contractor).
- Matthew Hirst: Senior Project Manager, AtkinsRéalis (Employer's agent).
- David Hillary: Business Manager, White Rose Academies (Employer).
- JCA Ltd: Ecological clerk of works (EcOW).

4.8 Nature Conservation

4.8.1 Plans for managing any protected species are to be finalised, implemented, and monitored. The Construction Environmental Manager is required to monitor ecological measures and ensure protected species are safeguarded.

4.8.2 An Ecological Assessment was undertaken to establish whether protected species use the habitat types found within the site (see Section 1.5).

4.8.3 There is potential for protected species to use the site. These include:

- Birds: nesting birds may be impacted by any vegetation and brash pile clearance (see section 4.5.2).
- Bats: commuting and foraging bats may be impacted by inconsiderate lighting practises (see section 4.5.3).
- Hedgehogs: hedgehogs may be impacted by any vegetation or brash pile clearance or inconsiderate building practises (see section 4.5.4).

4.8.4 Specific mitigation measures to prevent adverse impacts on protected species and high-quality habitats are set out below.

4.8.5 Installation of barriers along the north and east site boundary, to protect the woodland adjacent to site. Also, around the scattered trees when construction works are occurring in close proximity.

4.8.6 Night working should be avoided. Any artificial lighting from the construction phase should be directed away from the woodland adjacent, scattered trees and the retained



grasslands.

- 4.8.7 Vegetation clearance should be conducted in a phased manner, and vegetation should be maintained with a short sward height until construction is to commence.
- 4.8.8 Site clearance will in general take place outside the bird breeding season (February to August, inclusive). If vegetation or tree removal is necessary within this period, a pre-construction site walkover is required prior to vegetation removal commencing. Outside of this period, if birds are found to be nesting during tree, hedge, or scrub removal then the removal must cease immediately, and a suitably competent ecologist contacted.
- 4.8.9 Any excavation of the site should be covered overnight, or if not possible, a safe exit route provided for hedgehogs to leave the site, such as an artificial ramp to aid their exit.
- 4.8.10 An Ecological Clerk of Works (ECoW) can be supplied by JCA Ltd.
- 4.8.11 A re-inspection of the site for any field signs of badger (especially setts) should be conducted prior to construction.



5 References

Ecological Impact assessment (EcIA) JCA Ltd. (JCA ref: 19638/AuB).

Bat Activity survey JCA Ltd. (JCA ref: 19638a/AWe).

Bat Emergence survey JCA Ltd. (JCA ref: 19638b/AWe).

Guidelines for surveys and report writing:

British Standards Institute (BSI), (2013) BS 42020:2013, Biodiversity - Code of practice for planning and development. London.

Chartered Institute of Ecology and Environmental Management (CIEEM), (2017) Guidelines on Ecological Report Writing. Winchester.

UKHab, (2023) The UK Habitat Classification System. Available at: <http://ukhab.org/>.

Websites:

Advice on protected species is consolidated at:

DEFRA. (2016). [Magic.defra.gov.uk](http://magic.defra.gov.uk). Available at: <http://magic.defra.gov.uk/MagicMap.aspx>.

The RSPB. (2023). Available at: <http://www.rspb.org.uk/>.

Gov.UK. (2023). Environmental management: Wildlife and habitat conservation. Available at: <https://www.gov.uk/topic/environmental-management/wildlife-habitat-conservation>.

Gov.UK. (2022) Protected species and development: advice for local planning authorities. Available at: <https://www.gov.uk/guidance/protected-species-how-to-review-planning-applications>

Within this detailed guidance on licensing information is available on licences for the following protected species:

- Badgers
- Bats
- Beavers
- Dormice
- Great crested newts
- Natterjack toads
- Otters
- Reptiles
- Water voles
- White-clawed crayfish
- Wild birds

As well as:

- Invasive non-native (alien) species
- Deer
- Freshwater fish
- Invertebrates
- Plants

Species Specific Information:

Badgers:

Chartered Institute of Ecology and Environmental Management (CIEEM). (2013). Competencies for Species Survey: Badger. Available at: <https://cieem.net/wp-content/uploads/2019/02/CSS-BADGER-April-2013.pdf>.

Natural England. (2007). Badgers and Development: A Guide to Best Practice and Licensing. Available at: <http://www.wildlifeco.co.uk/wp-content/uploads/2014/03/badgers-and-development.pdf>.

Bats:



Bat Conservation Trust and Institute of Lighting Professionals. (2023). Guidance Note 08/23: Bats and artificial lighting in the UK. ILP, Rugby. Available at: [Guidance Note 8 Bats and Artificial Lighting | Institution of Lighting Professionals \(theilp.org.uk\)](#)

Bat Conservation Trust. (2007). Bats, Development & Planning in England. Bat Conservation Trust, London. Available at: <https://www2.oxfordshire.gov.uk/cms/sites/default/files/folders/documents/environmentandplanning/countryside/protectedspecies/batsdevelopmentplanning.pdf>.

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Mitchell-Jones, A.J. & McLeish, A.P. (2012) The Bat Workers' Manual. Pelagic Publishing, Exeter.

Dormice:

Bright, P., Morris, P. and Mitchell-Jones, A. (2006) The dormouse conservation handbook (2nd edition). English Nature: Peterborough. Available at: <https://ptes.org/wp-content/uploads/2014/06/Dormouse-Conservation-Handbook.pdf>.

Great Crested Newts:

Amphibian and Reptile Conservation Trust and ZSL Institute of Zoology. (2017). Advice note 4 (revised) - Amphibian Disease Precautions, A Guide for UK Fieldworkers. Available at: <https://www.arguk.org/info-advice/advice-notes/324-advice-note-4-amphibian-disease-precautions-a-guide-for-uk-fieldworkers-pdf-2/>.

Langton, T., Beckett, C. and Foster, J. (2001). Great Crested Newt Conservation Handbook. Available at: https://www.froglife.org/wp-content/uploads/2013/06/GCN-Conservation-Handbook_compressed.pdf.

Otters:

Natural England. (2007). Species Information Note SIN006, Otter: European protected species. Available at: http://downloads.gigl.org.uk/website/NE_EU_otter.pdf.

Reptiles and Amphibians:

Baker, J., Beebee, T., Buckley, J., Gent, T. and Orchard, D. (2011). Amphibian Habitat Management Handbook. Available at: <https://freshwaterhabitats.org.uk/wp-content/uploads/2018/06/amphibian-habitat-management-handbook-full.pdf>.

Edgar, P., Foster, J. and Baker, J. (2010). Reptile Habitat Management Handbook. Amphibian and Reptile Conservation, Bournemouth.

English Nature. (2004). Reptiles: guidelines for developers. Available at: <https://www2.oxfordshire.gov.uk/cms/sites/default/files/folders/documents/environmentandplanning/countryside/protectedspecies/reptileguidelinesdevelopers.pdf>.

Gent, A.H., & Gibson, S.D., eds. (2003). Herpetofauna Workers' Manual. Peterborough, Joint Nature Conservation Committee.

Water Voles:

Gaskin, J.L. (2016). Water Vole Conservation and Management: Lessons From Four Case Studies. Available at: https://publications.aston.ac.uk/id/eprint/30446/1/Gaskin_J.G._2017.pdf.

Natural England. (2022). Water voles: advice for making planning decisions. Available at: <https://www.gov.uk/guidance/water-voles-advice-for-making-planning-decisions>.

Stoddart, D.M. (1970). Individual range, dispersal in a population of water voles (*Arvicola terrestris* (L.)). *Journal of Animal Ecology*, 39(2), 403-425. Doi: 10.2307/2979.

Strachan, R. (2009). Populations and Persistence –Developing a Strategy for Conserving Water Voles in the UK [Presentation]. Environment Agency, Wales. 2nd April.

Strachan, R. and Holmes-Ling, P. (2003). Restoring water voles and other biodiversity to the wider countryside. Wildlife Conservation Research Unit, Oxford.

Strachan, R., Moorehouse, T. and Gelling, M. (2011). Water Vole Conservation Handbook (3rd edition). Wildlife Conservation Research Unit, Oxford.

White-clawed Crayfish:



Peay, S. (2002). Guidance on Habitat for White-clawed Crayfish and its Restoration. English Nature & Environment Agency.

Biodiversity Metric Guidance:

CIEEM. (2016). Biodiversity Net Gain: Good practice principles for development. Available at: <https://cieem.net/resource/biodiversity-net-gain-good-practice-principles-for-development/>.

Department for Levelling Up, Housing and Communities & Ministry of Housing, Communities and Local Government. (2019). Guidance: Natural environment. Available at: <https://www.gov.uk/guidance/natural-environment>

Ministry for Housing Communities and Local Government. (2021). National Planning Policy Framework. Available at: <https://www.gov.uk/government/publications/national-planning-policy-framework--2>

Natural Environment and Rural Communities Act 2006, c. 16. Available at: <https://www.legislation.gov.uk/ukpga/2006/16/contents>

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UKHab. (2020). The UKHab Classification System. Available at: <https://ukhab.org/>.

Relevant Legislation:

Wildlife and Countryside Act 1981, c. 69 (as amended). Available at: <http://www.legislation.gov.uk/ukpga/1981/69>

Countryside and Rights of Way Act 2000, c.37. Available at: <http://www.legislation.gov.uk/ukpga/2000/37/contents>

The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019, no. 579. Available at: <https://www.legislation.gov.uk/ukdsi/2019/9780111176573>

Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (as amended). Available at: <https://www.legislation.gov.uk/eudr/1992/43>.

Protection of Badgers Act 1992, c. 51. Available at: <http://www.legislation.gov.uk/ukpga/1992/51>.

The Hedgerow Regulations 1997, no. 1160. Available at: <http://www.legislation.gov.uk/uksi/1997/1160>.

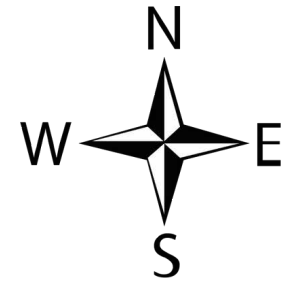


Appendices


Appendix 1: UKHab Habitat Map















UKHab Habitat Map for Leeds City Academy



0 10 20 m



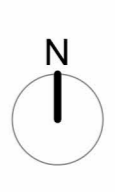
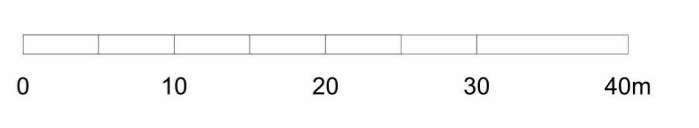
Key:

-  Red Line Boundary
-  g4 - modified grassland
-  66 - frequently mown
-  710 - educational premises open space
-  w1h - other woodland; mixed
-  36- plantation
-  u1b5 –buildings (A-C)
-  u1b - developed land; sealed surface
-  u1d - suburban/ mosaic of developed/ natural surface
-  231 - vegetated garden
-  1160 - introduced shrub
-  u - urban trees



Appendix 2: Proposed Development Map





- KEY**
- Application Redline Boundary
 - Adjacent Land in Leeds City Council Ownership
 - Architecture
See Watson Baty dwg. LCAMS-WBA-SI-XX-DR-A-99_100 for detail
 - Proposed substitution
 - Existing tree
Refer to Tree Retention Plan (ref: JCA Tree Constraints Plan)
 - Root Protection Area (RPA)
Refer to JCA Tree Constraints Plan (ref: 18073/AJB.)
 - Tree removed
Refer to Tree Retention Plan (ref: JCA Tree Constraints Plan)
 - Existing wall
 - Existing gate
 - Existing soft landscaping
 - Existing hard landscaping
 - Existing fence
 - Proposed indicative slope
 - Proposed indicative gradients (TBC)
 - Dimensions
 - Proposed hard standing
 - Proposed permeable asphalt
 - Proposed no-dig construction
 - Proposed ball stop fence
 - Proposed fence
 - Proposed sports pitches (hard surfaced)
 - Proposed white lining for new parking bays
 - Proposed EV charger (by others) with hoop barrier protection
 - Proposed retaining wall (to match existing)
 - Proposed low retaining wall with handrail
 - Minor retaining wall
 - Relocated timber amphitheatre
 - Proposed bollards (2 nr.)
 - Proposed cycle stands (4 nr.)
 - Proposed cycle storage lockers (6 nr.)
 - Proposed cycle shelters (30 nr. capacity)
 - Proposed trees
 - Proposed meadow grassland
 - Proposed amenity grassland
- Notes**
- Location of 3G pitch subject to confirmation of Root Protection Areas (RPA).
 - Parking layout to be confirmed by a Highways Engineer.

Detailed Softworks Plan Sheet 1 of 2 (11225-FPCR-XX-XX-DR-L-0002)
 Detailed Hardworks Plan Sheet 1 of 2 (11225-FPCR-XX-XX-DR-L-0005)

Detailed Softworks Plan Sheet 2 of 2 (11225-FPCR-XX-XX-DR-L-0004)
 Detailed Hardworks Plan Sheet 2 of 2 (11225-FPCR-XX-XX-DR-L-0007)



P22	29/02/2024	No dig extent update	AJK
P21	14/02/2024	Permeable asphalt update	AJK

rev	date	description	dm	chk
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fpcr

- environmental assessment
- landscape design
- urban design
- ecology
- architecture
- arboriculture

client: Leeds City Academy
 project: Leeds City Academy Expansion

General Arrangement Plan

scale: 1:500 @ A1
 dm: OFD DH
 chk: OFD DH
 date created: 15 NOVEMBER 2022

project number: 11225
 status: S3
 issue: P22

document number: 11225-FPCR-XX-XX-DR-L-0001

Project Code: Computer Zone Level Type Size Drawing Number

File: \\FPCR-FS-01\Projects\11225\LANDS\Drawings\11225_Landscaping_Rev W.rvt

Appendix 3: Author Qualifications

Adam West, Principal Ecologist

BSc (Hons) Animal and Wildlife Management

Adam joined JCA to lead the expanding ecology department. Having returned to education as a mature student, Adam studied Countryside Management for two years before undertaking a Bachelor's degree in Animal and Wildlife Management, for which he was awarded First Class Honours. Adam has many years' experience in ecological consultancy, working on projects ranging from individual planning applications to national infrastructure projects. Adam holds a Natural England Level 1 great crested newt survey class licence and a Natural England Level 2 bat survey class licence.

James Foster, Assistant Ecologist

BSc (Hons) Biology.

James gained his undergraduate degree in biology in 2012 from University of Leeds. James has plenty of experience in ecology, having worked countless projects of different scales all over the north and midlands. James has 9 years of experience surveying anything from reptiles to hedgerows and holds a Great crested newt licence level 1 and is working towards his bat licence and barn owl licence.

Alex Donovan, Graduate Ecologist


MBIOL, BSc Biology (Industrial).

Alex joined JCA in 2023 after graduating from the University of Leeds with a First Class Honours Integrated Master's degree in Biology. As part of his degree programme, Alex spent an industrial placement year working in the Uplands Research Department of the Game and Wildlife Conservation Trust, assisting on various ecological surveys and projects. Alex is a registered Trainee Bird Ringer, licensed through the BTO, and has previously conducted seasonal bat emergence and transect surveys.



The Information and advice which we have prepared and provided is true and has been prepared and provided in accordance with the CIEEM's Code of Professional Conduct. We confirm that the opinions expressed are our true and bona fide opinions.

Signed



.....

James Foster *BSc (Hons)*

12/03/23

Reviewed by



.....

Alex Donovan *MBIOL BSc (Hons)*

12/03/24

Reviewed and authorised by



.....

Adam West *BSc (Hons), ACIEEM*

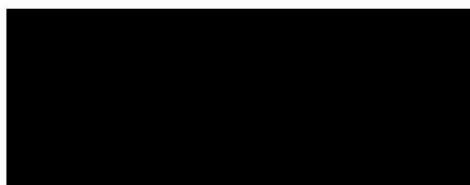
13/03/2023



For and on behalf of **JCA Ltd**

Registered Office:

**Unit 80
Bowers Mill
Branch Road
Barkisland
Halifax
HX4 OAD**





ECOLOGICAL SERVICES

Ecological Pre-Planning Services

- Phase 1 Habitat Surveys
- Great Crested Newt eDNA Sampling
- Protected species: Bat, Wintering and Nesting Bird, Badger, Amphibian, Otter, Water Vole, White-Clawed Crayfish, Dormice and Reptile Surveys.
- Preparation for Environmental Impact Assessment (EIA)
- Invasive Species Surveys
- Code for Sustainable Homes
- Butterfly & Insect Surveys

Ecological Post-Planning Services

- Biodiversity Enhancement Plans
- Protected Species Mitigation
- Ecological Management (Bat and Bird box installation and inspection)
- Planting Schemes
- Monitoring of bird or bat boxes.

ARBORICULTURAL SERVICES

Guidance for Architects & Developers

- British Standard 5837 Surveys
- Arboricultural Implications Assessments (AIA)
- Arboricultural Method Statements (AMS)

Advice for Engineers, Loss Adjusters and Insurers

- Tree Surveys for Subsidence
- Heave Assessment
- Tree Root Identification

Advice for Local Authorities and Social Housing

- Tree Safety Surveys
- Specialist Decay Detection
- Landscape and Orchard Design

Tree Advice for the Legal Profession

- Subsidence Litigation
- Personal Injury and Accident Investigation
- Expert Witness, Planning Inquiries and Appeals

Veteran Tree Management

- Ancient Woodland Management
- Veteran Tree Management

Tree Health and Pest and Disease Management

- Pest and Disease Surveys
- Tree Health Checks
- Disease Mitigation and Control



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