

Construction Environmental Management Plan: Biodiversity

LAND TO NORTH OF UPPER HOYLAND
ROAD,
HOYLAND,
BARNSELEY,
S74 9EP

Contents

Revisions 3

Introduction 4

- 1. Design Team/ Key Contacts**
 - 2. References**
 - 3. Project Description**
 - 4. Site and surroundings**
 - 5. Sequence of Works**
 - 6. Programme**
 - 7. Site Layout**
 - 8. Site Management**
 - 9. Specific biodiversity measures during construction**
 - 10. Artificial Lighting**
- Appendix A – Details of Security Lighting**

Revisions & additional material

Please list all iterations here:

Date	Version	Produced by	Comment
09/01/2025	Rev 0	MDP/RG	Draft

Additional sheets

Date	Sheet title	Drawing no.

Introduction

The planning conditions require a Construction Environmental Management Plan (CEMP: Biodiversity) detailing how the development will be constructed. **(Application No. 2021/1519).**

26. Prior to commencement, a Construction Environmental Management Plan (CEMP: Biodiversity) detailing precautionary measures to be adopted on site during construction works to protect retained habitats and to avoid harm/disturbance to protected and priority species such as nesting birds, amphibians, reptiles, foraging and commuting bats and hedgehogs shall be submitted to, and approved in writing by the Local Planning Authority. Thereafter the development shall be carried out in accordance with the approved measures.

This CEMP: Biodiversity has been produced in advance of the detailed Construction Plan required by the Construction Design and Management Regulations 2015 and outlines the principles that will be adopted within the Construction Plan with an emphasis on the biodiversity precautionary measures for the site. Elements of the Construction Plan are included to provide context to the biodiversity precautionary measures.

It will be included in the Construction Plan retained on the site.

Site Address:
LAND TO NORTH OF UPPER HOYLAND ROAD,
HOYLAND,
BARNSELEY,
S74 9EP

Planning reference number to which the CMP applies: 2021/1519

1. Design Team/Key Contact Details

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References

- Institute of Lighting Professionals - *Guidance Note 01/21 – Reduction of Obtrusive Light*
- Envirotech (Sept. 2021) *Preliminary Ecological Appraisal, Upper Hoyland Road, Barnsley – Report Reference 7461*
- Envirotech (Sept. 2021) *Badger Report*

2. Project Description

Erection of dwellings across a sloped greenfield site to include the creation of retaining walls associated accesses, landscaping, external works, and the erection of a substation/pumping station.

The construction details aren't yet finalised but construction is likely to be traditional coursed masonry with pitched roofs. This CEMP: Biodiversity has been based on an assumption that the foundations will be cast concrete strip footings.

3. Site and surroundings

The site is a field situated to the south of the Dearne Valley Parkway in Hoyland, Barnsley and accessed from Upper Hoyland Road. There are large commercial/industrial units to the East and residential properties to the South and West. The site slopes down from the southern boundary to the northern boundary and is surrounded on all sides by trees and hedgerows.

There is a Public Right of Way and farm access to the western boundary that cross the Dearne Valley Parkway via a bridge.

The site is currently predominantly laid to grass and has been used for horse grazing.

4. Sequence of works

The following sequence of works is indicative of the programme and works to be undertaken. The actual programme of works on site will see elements of work overlapping

- Tree protection measures and site boundary fencing
- Formation of temporary hardstanding to form temporary parking, storage and site compound areas.
- Ground modelling and adjustment of levels across the site.
- Construction of new drainage, sewers, retaining walls and roadways to base level.
- Formation of new permanent accesses off Upper Hoyland Way with Chapter 8 Traffic management as appropriate.
- Construction of houses
- Completion of roadways to finished levels
- External hard and soft landscaping.
- Clearance of site compounds.

5. Program

Initial site clearance will require consideration of the possibility of nesting birds. Clearance will be undertaken outside the bird nesting season of March- September if possible. If vegetation clearance is to happen during March to September, then a check of the area will be undertaken by a suitably qualified individual prior to clearance commencing.

A detailed programme has not yet been developed.

6. Site layout

The site office, welfare facilities and parking will be within the boundaries of the site.

The site set-up and logistics will be determined to meet the requirements of the final site layout.

7. Site Management

7.1. Contact details of site manager

Initially, during the planning stage, the Contracts Manager will be closely involved with the planning and programming of the works for the project. A Site Manager will be appointed closer to the start of the Construction Phase. Either may be used as a point of contact with regard to the site.

Contact details for the Site Manager will be displayed at the site entrance.

7.2. Communications and Complaints procedure

Concerns relating to the site may be raised with the Site Manager in the first instance using the contact details displayed at the site entrance. These concerns will be passed to the Contracts Manager and other members of the senior site management team.

7.3. - Operational hours (to include site opening hours, operational hours of workers, and delivery of goods hours).

The following principles will be observed;

- No external construction works, works of demolition, deliveries, external running of plant and equipment shall take place other than between the hours of 08:00 to 18:00 on Monday to Friday and 09:00 to 14:00 on Saturdays.
- No construction works or works of demolition whatsoever, including deliveries and external running of plant and equipment shall take place on Sundays, Public or Bank Holidays.

8. Specific biodiversity precautionary measures to be used during construction

The ecological appraisal considers the potential presence of statutorily protected and other common species and identifies potential mitigation measures. The following is a brief summary of the findings potentially related to the construction period;

- The appraisal does not identify any uncommon, rare or statutorily protected plant species or any invasive species.
- The appraisal states that amphibians are unlikely to attempt to cross the site as it is regarded as a potentially hostile environment to them without areas which would be particularly favourable to amphibians.
- Whilst bats are likely to use the woodland and hedgerows on the peripheries of the site for foraging and commuting, they are unlikely to depend on the core development area, where the construction work will take place, for feeding or roosting.
- There were a large number of records of birds within 2km of the site and the woodland, hedgerows and scrub to the perimeter offers a potential habitat for feeding and nesting birds, however, the core development area of the site has a low potential for use by nesting birds.
- No indication of brown hares was found on the site and any risk to brown hares is considered very low.
- No deadwood or vegetation was recorded within the proposed development area likely to provide a resource for invertebrates.
- The majority of the site has very low value to reptiles being devoid of significant ground cover. This would reduce even further during construction however the appraisal recommends precautionary mitigation measures.
- The site may be crossed by species such as fox and rabbit.

The following precautionary mitigation measures will be used during the construction period;

- Stripping of vegetation will be undertaken outside the nesting season of March to September.
- Any vegetation to be trimmed or cleared will be checked for nesting birds by a suitably qualified individual if it is to take place during the period from March-September.
- Trees and shrubs which are to be retained to the boundary of the site will be protected by fencing to provide a tree protection zone.
- Deep excavations, for example for drainage, will be backfilled as soon as possible as work progresses.
- Excavations left overnight will either be covered to prevent access or will have some form of ramp (not exceeding 45° slope) to provide an exit route from the excavation. This may take the form of a scaffold board or a sloped entrance to the excavation.
- All excavations left open overnight will be checked for animals prior to continuation of the works or infilling.
- Works will take place during daylight hours

- Security lighting will not extend beyond the site boundaries and will be of a low, coloured, light intensity.
- Should any signs of reptile or animal activity be found during the works, further ecological advice will be sought with a view to a detailed method statement and programme of mitigation measures being prepared and implemented.

9. • Artificial Lighting

Construction work will take place during daylight hours and there is no intention to install external artificial lighting for task lighting. Minimal lighting may be installed to the outside of the cabins to ensure safe movement during the darker winter hours. Any light fixtures will be positioned so as to illuminate the area around the site accommodation and pedestrian routes around the site without spilling outside the site boundaries.

Generally, site security will be achieved with security fencing and freestanding 'Armadillo' security units connected to 24 hour monitored CCTV. As work progresses, the site may have a number of proprietary CCTV masts installed which have automatic green light 70W floodlights. The green light is designed to assist the cameras and provide a low level illuminance to deter intruders whilst not affecting wildlife.

The masts will be positioned so that the light does not spill outside the site boundaries.

An example of the type of CCTV lighting mast is appended.

9.1. - Hours of operation of the lighting

From dusk to dawn operated by a light sensor.

9.2. - Location of all of the luminaires

The camera masts will be positioned within the site to illuminate the areas of construction.

Camera masts will be positioned within the body of the site so that light does not spill beyond the boundaries.

Appendix A

Security Lighting Details

BauWatch

The ultimate deter and detect solution for your site security – proven to secure progress



GreenLight

→ bauwatch.co.uk

The innovative BauWatch GreenLight – for the ultimate solution for intruder prevention and detection

GreenLight for project security

If you are responsible for a burglary-prone construction project, vacant property or a storage site for building materials, you'll also want to ensure nobody can enter to steal or vandalise the premises outside of working hours. Apart from loss and damage caused by burglary, the construction project can also suffer delays. In addition to the commercial implications of a delay, there's a potential impact on personal and company reputation.

Prevention and Detection

The BauWatch GreenLight allows you to kill two birds with one stone: prevention and detection. Most vandals are deterred by the bright green light and run away. Those who do make an attempt to break in are immediately detected. Our 24/7 emergency room views the razor-sharp video recordings online and ensures the culprits get arrested.

The BauWatch GreenLight is ideal for:

- Construction site security
- Real estate and vacant property
- Parking security

ADVANTAGES

Why BauWatch GreenLight?

- ✓ Deters intruders (preventive)
- ✓ Greater chance of being caught than security with sensors
- ✓ A proven security concept for 10 years

TECHNICAL SPECIFICATIONS

BauWatch GreenLight

Camera detection range	Maximum 100m
Type of detection	Video analysis for reliable detection
Internet connection	Integrated secure Internet connection
Power supply	230V with 48Hr backup battery
Alarm follow-up	24/7 connection with our emergency centre
Lights	Standard green, optional white or IR
Required space	2.5m x 2.5m
Dimensions	520kg / 6.20m height



Contact us for more information
on securing your site today

+44 (0) 800 170 1014 | bauwatch.co.uk