

Construction Environmental Management Plan Including a Biodiversity Enhancement Plan

Lindisfarne, Wargrave Road, Remenham, Wokingham, RG10 8PE

February 2026

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Summary

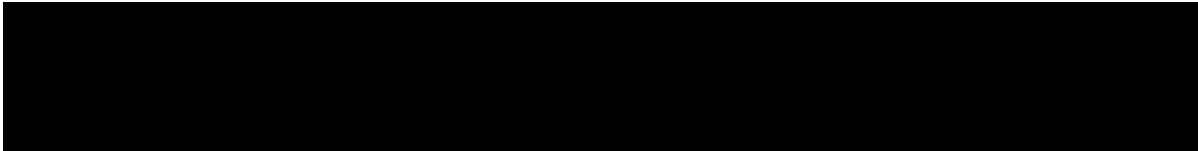
Plan Ecology have been commissioned to produce a Construction Environmental Management Plan for Lindisfarne, Wargrave Road, Remenham, Wokingham, RG10 8PE. A Preliminary Ecological Assessment was carried out and much of the Site consists of buildings and modified grassland with some mature deciduous woodland, a number of other mature trees and the Hennerton Backwater.

The proposed works include the demolition of the house and the construction of a new single residence with associated landscaping and parking.

This report sets out the construction risks to the immediate environment on Site and details of how they are to be successfully managed to ensure appropriate protection for protected and priority species. This includes considerations for dust management, safety fencing scheme and a lighting strategy.

The works are to take place on a similar footprint to the current building and other habitats will not be affected greatly. However, the proposed development of the site offers opportunities to deliver ecological and biodiversity benefits as part of the building and landscaping design.

The management plan has also laid out how the habitats surrounding the buildings will be protected during the works to ensure reptiles and nesting birds are not harmed. Where possible any vegetation to be removed should be cleared outside of breeding bird season to avoid damage to nests and birds. Where this is not possible the areas should be inspected by a suitably qualified ecologist for any signs of nests and nesting behaviour.



The buildings will be cleared under the methodology of a European Protected Species Licence for bats due to the presence of a day roost for two soprano pipistrelle bats in the space between the roof tiles and the soffit on the south-eastern corner of the house. As the planned demolition will cause the soprano pipistrelle day roost to be destroyed a European Protected Species Licence (EPS) with Natural England (NE) has been granted (2026-73130-EPS-MIT) and a bat mitigation plan of a bat brick in a similar location as the roost included in the build designed to provide a bat roosting area.

Biodiversity enhancements include installing bird boxes, retaining the temporary bat box, an insect house and a hedgehog house on the Site. Landscaping plans will include areas of native wildflower turf.

Following the completion of the builds and landscaping it is proposed that a mitigation, compensation and biodiversity enhancement check is completed by the ecologist to ensure as aspects of the proposed features have been successfully completed a compliance memo should be produced following this visit and subsequent monitoring visits. Recommendations for improvements may be made.

1. INTRODUCTION

1.1 Aims of the report

This document provides a scheme of biodiversity enhancements and ecological management for the development of Lindisfarne, Wargrave Road, Remenham, Wokingham, RG10 8PE. A scheme has been proposed to increase the biodiversity on the Site and mitigate any impact from the development.

The overall aim of the Plan is to help guide the creation and enhancement of the biodiversity of the Site. This will ensure the successful implementation of habitat enhancement and biodiversity mitigation measures for the Proposed Development in relation to existing habitats.

1.2 Proposed works

Plans include the demolition of the buildings and the construction of a single residence on the Site as well as associated landscaping.

See Appendix 1 for Site Plans.

1.3 Baseline Description of Site

A Preliminary Ecological Assessment was carried out on the Site by ecologist Dave Byett of Echological Ltd in August 2025.

Potential habitat for reptiles and nesting birds was noted on the Site within vegetation. The site though, has limited potential with only impacts to foraging bats and [REDACTED] and the Priority Habitat during the construction.

One bat roost (day roost for 2 soprano pipistrelles) were confirmed in the buildings in 2025 surveys (Plan Ecology Bat Report, 2025).

2. Preconstruction Ecological Management, Mitigation & Enhancement Measures

2.1 Measures to protect baseline species and habitats.

2.1.1 Tasks to be completed prior to the construction phase:

2.1.2 Tree Root Protection

Please refer to the Arboricultural Report produced by Mark Welby Consulting Arborists for full details. However, 5 trees will need to be removed as part of the preconstruction works. Tree protection commitments include erecting approximately 380m of barriers, conducting a prestart audit/meeting, and supervising the work on the turning head.

2.1.3 Breeding Bird Checks

A number of trees are to be removed as per the Arboricultural Report produced by Mark Welby Consulting Arborists. Where possible any trees and vegetation to be removed should be cleared over winter outside of breeding bird season (September- February) to avoid damage to nests and birds. Where this is not possible the trees should be inspected by a suitably qualified ecologist for any signs of nests and nesting behaviour. The ecologist will observe the site for active bird nest in the area, marking any within exclusion zones that will insist on construction staff working outside of them until all birds have departed.

A nesting bird check will usually take more than one hour to complete, and if it isn't possible for all vegetation to be inspected, the ecological consultant will need to be present to supervise and monitor the clearance.

2.1.5 Reptiles

Although potential habitat for reptiles on Site is low if any vegetation clearance is required it should take place using hand strimmers under the watch of an ecologist to allow any reptiles to remain within the rest of the Site. Phased removal of habitat which encourages the reptiles to move themselves into adjacent retained habitat and negates the need for translocation. This is to be undertaken in the active season (March to September inclusive) when the weather is considered warm enough for reptiles to move on their own accord.

2.1.6 Bats

A day roost for two soprano pipistrelle bats in the space between the roof tiles and the soffit on the south-eastern corner of the house.

The buildings will be cleared under the methodology of a European Protected Species Licence for bats due to the bat roost documented within the main building; the licence has already been granted by NE reference **2026-73130-EPS-MIT**.

A temporary bat boxes will be placed on a suitable tree on Site as directed by the ecologist prior to the beginning of any works. This will remain in situ and undisturbed until the bat mitigation is completed. The area of roof and soffit will be removed carefully by hand under the watch of the licenced ecologist.

Please refer to the full Bat report (Plan Ecology) 2025 for proposed mitigation.

See Appendix 2 for species legislative protection. See Appendix 8 for Bat Mitigation Plan.

2.1.7 Toolbox Talk

Prior to any works a toolbox talk will be given to those working on the Site by an ecologist to highlight the habitat and species on site and the measures put in place for their protection during the works. This should be signed by participants and documented.

2.1.8 Habitat Protection

Prior to any works beginning it is recommended that sensitive areas including trees to be retained and the riverbank be cordoned off using appropriate fencing and signage to ensure no works take place within these areas. Please refer to the general Site set up drawing for the positioning of the fencing for habitat and root protection. Paul Edwards Architecture.

See Appendix 7 for Site Set Up Plans

2.1.9 Risk Assessment

A risk assessment of potentially damaging construction activities has been provided in the CEMP document produced by Otto Homes 2026.

See Appendix 8 for the full Risk Assessment.

3. Ecological Management During Construction

3.1 Bats

As per the licence a Forticrete bat brick or similar will be incorporated in the southern elevation of the new build close to the roof line.

There may be some disturbance to commuting and foraging bats during this phase from the lighting used during construction. It is recommended that any lighting be directed away from suitable bat habitats including the hedgerows and trees, shrubs.

The bat mitigation plan and methodology in the bat licence must be adhered to.

Appendix 8.

3.3 Birds

Works should be restricted where possible to daylight hours to prevent any adverse impacts on roosting birds at dusk and dawn. Where possible any vegetation to be removed should be cleared outside of breeding bird season to avoid damage to nests and birds. Where this is not possible the areas should be inspected by a suitably qualified ecologist for any signs of nests and nesting behaviour.

3.4 Reptiles

Reptile potential habitat on site is low. Should any reptiles be encountered due to the works an ecologist should be contacted.

Cleared areas of grass should be kept low and managed to persuade any reptiles to enter the Site by removing the suitable habitat in the construction area.

3.5 Management

All signage and fencing should be kept in good repair and maintained to a standard to provide the protection to the sensitive habitat required.

Responsible Contractor will be Otto Homes.

Phone: +44 (0)1483 343688

Email

info@ottohomes.co.uk

3.6 Toolbox talks

Any new workers to the Site should receive the ecological information prior to carrying out any works onsite.

3.7 Dust Control Strategy

Please refer to the Dust Control Strategy produced by Otto Group Ltd. The purpose of this strategy is to describe the measures that the project shall take to ensure that the risk of emissions from dust generated by site operations during construction are minimised and that best practice measures are implemented.

See Appendix 6

4. Ecological Management Post Construction

4.1 Mitigation

4.1.1 Bats

A lighting Plan is being produced to adhere with the appropriate lighting required. This must be adhered to.

- 4.1.2 The mitigation of the bat brick will be inspected by the licence holder to ensure compliance to the bat licence and a memo will be produced and a licence return sent to natural England to document the licence process.

4.2 Biodiversity Enhancements

- 4.2.1 It is recommended that the temporary bat box used for the bat mitigation become a permanent enhancement within the Site. For this purpose a robust bat box such as a 1FF Schwegler Bat Box should be used.

Suppliers of these bat boxes included, but are not limited to:

www.nhbs.com

www.wildcareshop.com

In addition, a second Bat box will be fixed to another retained tree as a biodiversity enhancement as per the recommendations of the Preliminary Ecological Assessment.

4.2.2 Incorporation of Bird nesting (bird boxes)

It is recommended that a variety of enhancements are implemented to encourage different bird species to nest.

One 1B Schwegler nest boxes and one house Sparrow nest box have been recommended. The boxes should be placed on separate trees (as birds can be territorial) as advised by an ecologist.

Suppliers of these nesting boxes included, but are not limited to:

www.nhbs.com

www.wildcareshop.com

See Design and Positioning in Appendix 3 and 4

4.2.3 Native planting

Detailed landscaping plans include areas of wildflower turf to be planted. In addition the planting in the beds includes many pollinator friendly shrubs and flowers.

A number of mature trees will be retained as per the arboriculture report.

See landscaping plan in Appendix 3

4.2.4 Insect houses

One insect house will be provided in a sheltered, warm location within the wildflower area of the new landscaping.

Location showed in Appendix 3

4.2.5 Hedgehog Houses

A hedgehog house will be provided within vegetation and away from driveways and roads.

4.3 Biodiversity Enhancements Control Checks

The enhancements should be checked by a suitable experienced ecologist post implementation after construction and a year later and five years later to assess the effectiveness and make any recommendations to improve them.

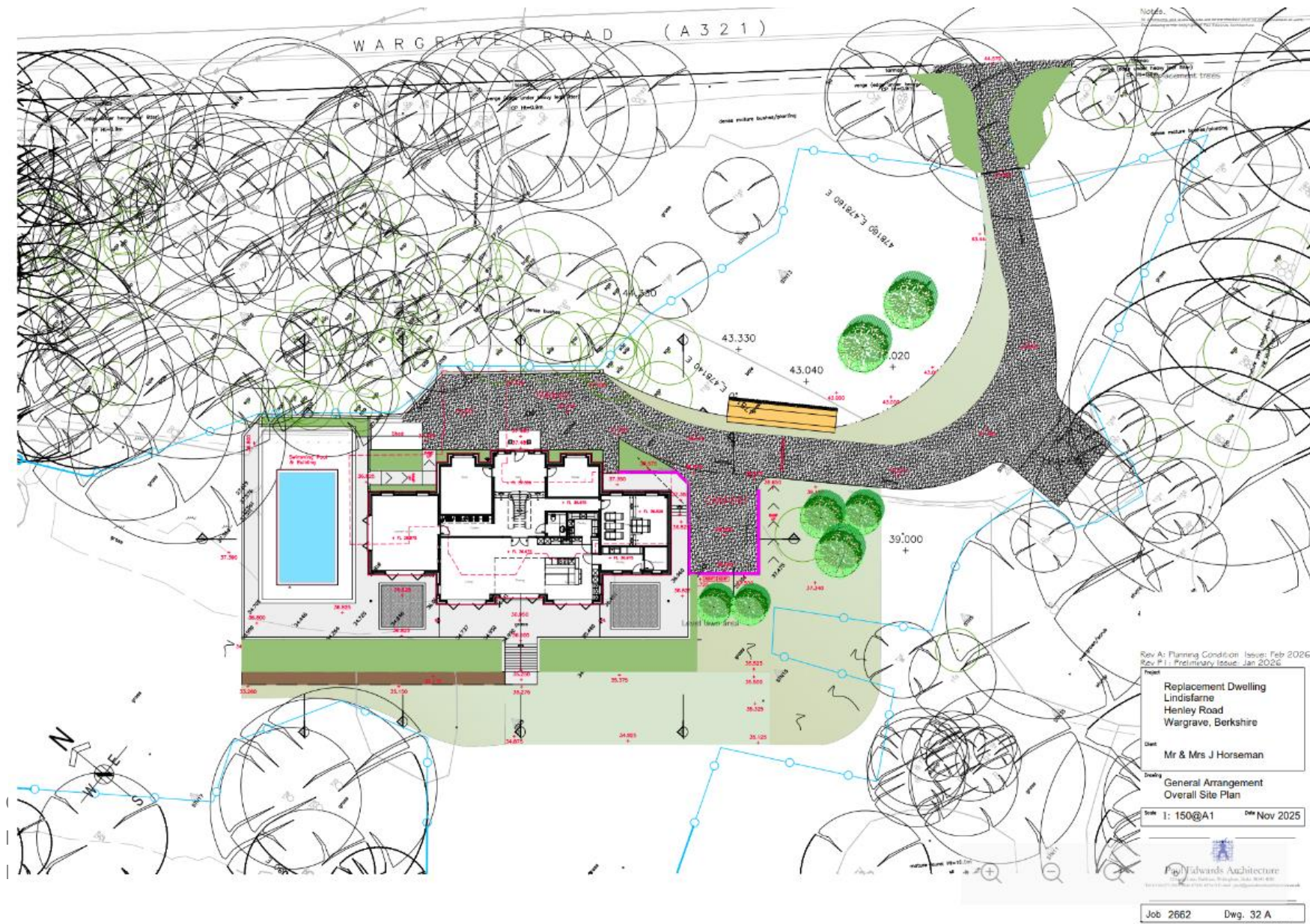
See Appendix 5 for the Work Schedule.

Appendix 1: Site Plans

|Plan ecology

ecological services

plan@plan-ecology.co.uk



Appendix 2: Legislation

Bats

As population numbers have fallen, all bats and their roosts are protected under The Wildlife and Countryside Act 1981 (as amended) and The Conservation of Habitats and Species Regulations 2017.

Under this legislation it is an offence to:

- deliberately capture (or take), injure or kill a bat;
- intentionally, recklessly or deliberately disturb a bat (in relation to the Wildlife and Countryside Act 1981 (as amended) the offence applies whilst the species is occupying a structure or place which it uses for shelter or protection; in relation to the Conservation of Habitats and Species Regulations 2017 it applies anywhere);
- damage or destroy the breeding or resting place (roost) of a bat;
- possess a bat (alive or dead), or any part of a bat;
- intentionally or recklessly obstruct access to a bat roost;
- sell (or offer for sale) or exchange bats (alive or dead), or parts of bats.

Please refer to the original legislation for the definitive interpretation.

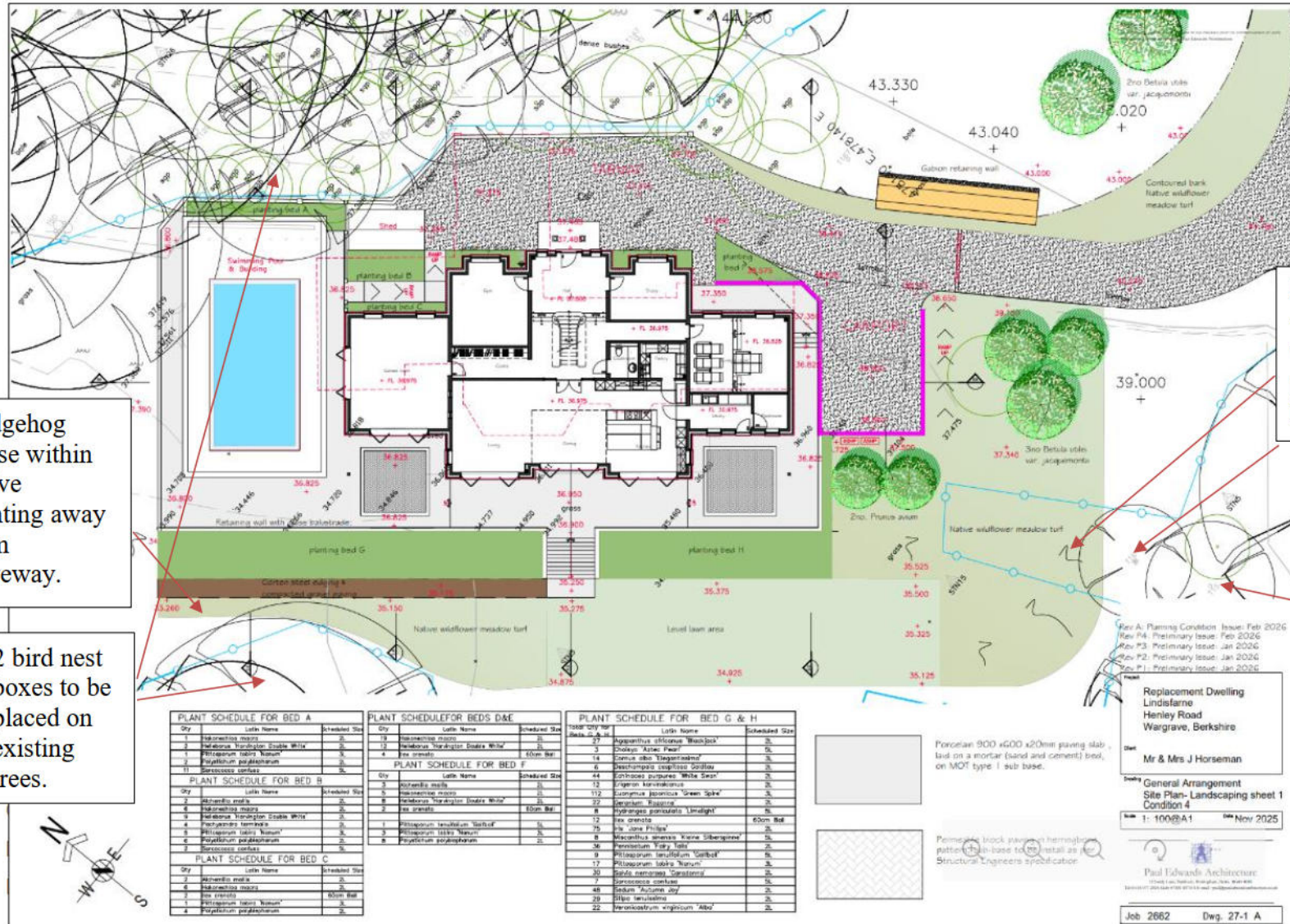
Breeding Birds

The majority of UK bird species are protected under the Wildlife and Countryside Act (1981) as amended, and a number of species are listed under Section 41 of the NERC Act (2006), identifying them as being of principal importance for the conservation of biodiversity in England.

Reptiles

The four common native reptiles; grass snake (*Natrix helvetica*), common lizard (*Zootoca vivipara*), slow worm (*Anguis fragilis*), and adder (*Vipera berus*) are partially protected under the Wildlife and Countryside Act (1981) as amended. Under this legislation it is an offence to intentionally kill or injure these species. The widespread reptile species are listed under Section 41 of the NERC Act (2006), identifying them as being of principal importance for the conservation of biodiversity in England.

Appendix 3: Biodiversity Enhancement Areas

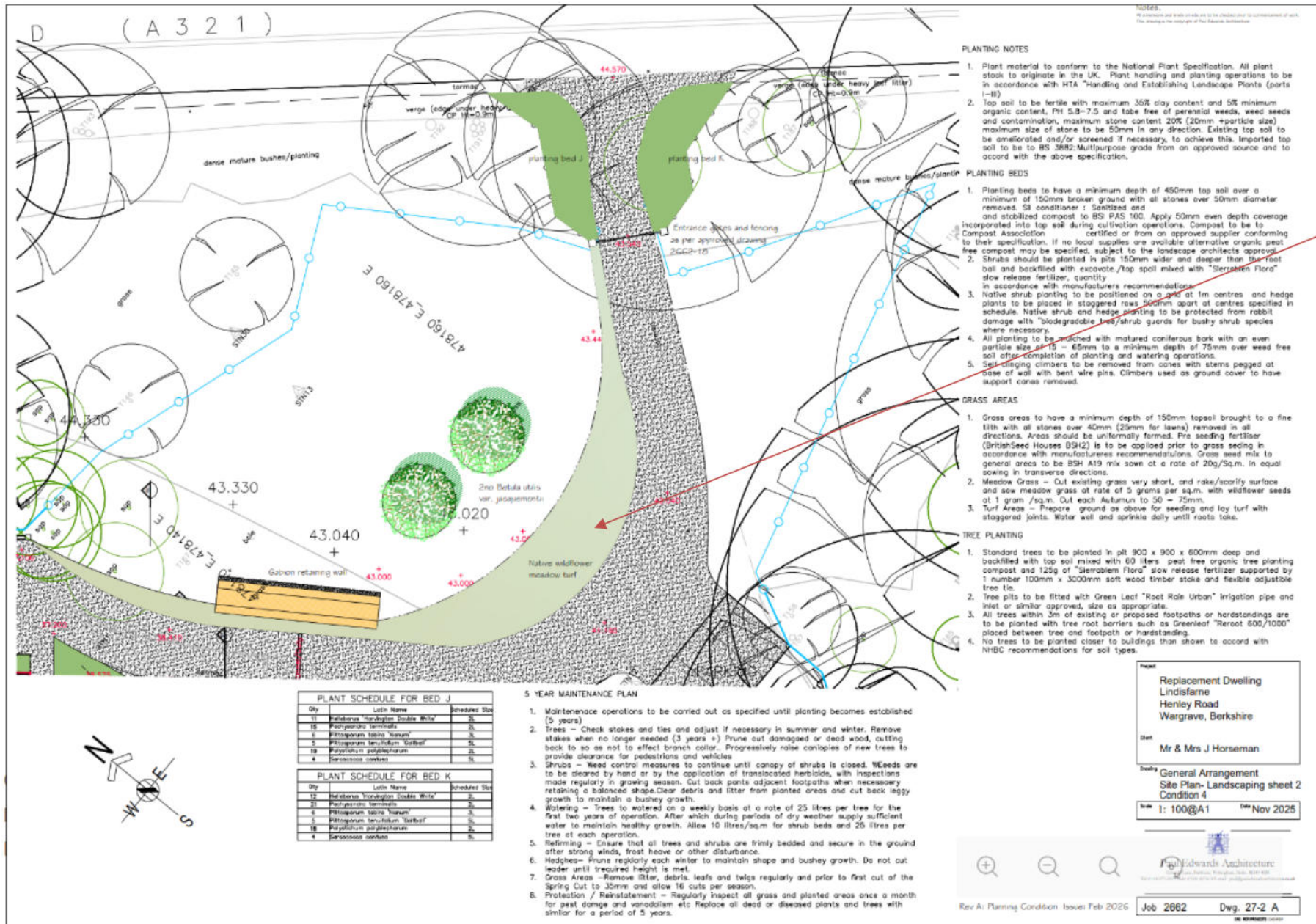


Insect house within wildflower planting, south facing.

2 bat boxes to be placed on trees to provide additional bat roosting habitat.

Hedgehog house within native planting away from driveway.

2 bird nest boxes to be placed on existing trees.



Native wildflower planting to provide food sources and habitat for native insects.

Appendix 4: Biodiversity Enhancement Specifications

House Sparrow Nest Box



In stock

£21.50

#180626

Price:

£21.50

ADD TO BASKET

About this product | Specification | Customer reviews | Recommended products

Additional images

1B Schwegler Nest Box

Manufacturer: Schwegler

✓ Suitable for all garden birds

✓ Available in different colours and different entrance holes

Select product (5)

32mm Hole: Brown

Not in stock: Usually dispatched within 1-2 weeks

£40.00

#174756

28mm Hole: Brown

Not in stock: Usually dispatched within 1-2 weeks

£40.00

#174761

32mm Hole: Green

Not in stock: Usually dispatched within 1-2 weeks

£40.00

#174757

Home > Hedgehog Nest Box



Hedgehog Nest Box

• Our hedgehog house provides an ideal home for hedgehog hibernation and breeding.

• Fully constructed from FSC certified plywood panels.

• Designed by experts to provide a safe, dry, warm, long lasting box.

• Help these special creatures with a good home.

✓ In stock available to order

Delivery estimated within 2-4 working days

£55.00 excl. VAT

£66.00 inc. VAT

2F Schwegler Bat Box (General Purpose)

Manufacturer: Schwegler

✓ Bestselling bat box - ideal for smaller British bats

✓ Removable front panel

✓ Woodcrete

Expected delivery 20th February - 23rd February

£55.99

#174814 | Stock: 0

Price:

£55.99

ADD TO BASKET

About this product | Contents | Specification | Customer reviews | Recommended products

National Trust Insect Tower

Manufacturer: CJ Wildlife

✓ Provides a variety of habitats for insects

✓ Ideal for butterflies, solitary bees, lacewings and ladybirds

In stock

£49.99

#217363 | Stock: 10+

Price:

£49.99

ADD TO BASKET

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Construction Environmental Management Plan Including a Biodiversity Enhancement Plan
Lindisfarne, Wargrave Road, Remenham, Wokingham, RG10 8PE
February 2026

20.

Appendix 5: Work Schedule

Works to be carried out	Preconstruction	During Works	Post Construction
Bat box on trees to be installed as per bat mitigation licence	ASAP (under ecologist guidance)		
Installation of fencing and signage to ensure no sensitive habitat is disturbed.	Before any works begin		
Toolbox talk from ecologist to any workers on the site.	Before any works begin	If any new workers begin on Site	
Application for Bat Mitigation Licence.	Before works begin on the buildings.		
Building -roof and soffit soft stripped under ecological supervision as per the bat licence.	As per the EPS licence		
Installation of enhancement features (bat box, nest box, hedgehog homes, insect houses).		Within a planting season of completed construction.	Within a planting season of completed construction.
Landscaping			To include native planting and pollinators.
Mitigation for bat Licence		Forticrete bat brick to be installed within elevation.	
Lighting kept low and works occurring during daylight hours only.		Throughout works	
Dust suppression		Considered and managed throughout works.	
Compliance checks of mitigation and enhancements			Within 2 months of works completing. 1 year after completion and 5 years after completion.

Appendix 6: Dust Suppression Plan

DUST CONTROL STRATEGY

INTRODUCTION

The purpose of this strategy is to describe the measures that the project shall take to ensure that the risk of emissions from dust generated by site operations during construction are minimised and that best practice measures are implemented.

Otto Group Ltd recognises its responsibility to effectively manage key environmental issues through the development and implementation of processes and procedures, which will enable effective support of the development objectives of its key stakeholders. Otto Group Ltd will employ best practice measures to minimise its impact on the environment and local community.

Otto Group Ltd recognises that dust emissions from construction can cause ill health effects to employees along with nuisance and annoyance to members of the local community. In controlling dust Otto Group Ltd will use a recognized hierarchy of control, which consists of:

- Elimination
- Reduction/Minimisation
- Control

SCOPE

This strategy will apply to all sections of the Lindisfarne, Henley Road, Wargrave.RG10 8PE project and apply at all times.

LEGAL REQUIREMENTS

The Environmental Protection Act (1990) section 7 states that where a statutory nuisance is shown to exist, the Local Authority must serve an abatement notice. Statutory nuisances are defined as:

- Any dust of other effluvia arising on industrial, trade or business premises and being prejudicial to health or a nuisance.
- Any accumulation or deposit which is prejudicial to health or a nuisance.

Failure to comply with an abatement notice is an offence and, if necessary, the Local Authority may abate the nuisance and recover expenses

Related Health and Safety Legislation

Health and Safety at Work Act 1974

The Control of Substances Hazardous to Health (COSHH) Regulations (1994)

RESPONSIBILITIES

Project Manager - High level commitment for the plan and the implementation of best practice measures.

Site Managers and Works Manager - The day-to-day implementation of the mitigation measures required to minimise the impact arising from the works.

Foreman - Responsible for supervising the work being undertaken and ensuring control methods are being followed as required.

Environmental Advisor - The day-to-day management of the dust monitoring regime and for reporting the results to the site team as required.

Designated Relations Manager - Receiving and reacting to dust-related comments or complaints from outside parties.

Employees - Responsible for using all equipment as instructed to do so and to follow controls as defined in method statements and risk assessments.

METHODOLOGY

The following methodology will be undertaken for each project section.

Step 1 - Identify the dust generating activities.

Construction Activities which are likely to produce dust will be identified. The activities that will be taken into account are:

- HAULAGE ROUTES, VEHICLES AND CONSTRUCTION PLANT
 - Roads, surfaces and public highways
 - Static and mobile combustion plant emissions
 - Tarmac laying, bitumen surfacing and coating
- MATERIALS HANDLING, STORAGE, SPILLAGE AND DISPOSAL
 - Storage of Power material
 - Stockpiles
 - Spillages
 - Storage of Waste
- SITE PREPARATION AND RESTORATION AFTER COMPLETION
 - Earthworks, excavation and digging.
 - Storage of spoil and topsoil
- DEMOLITION
- CONSTRUCTION AND FABRICATION PROCESSES

Step 2 - Identify Sensitive Receptor

Sensitive receptors will be identified. The nature and location of the sensitive receptor will be taken into account when implementing control measures.

Step 3 - Implement Best Practice Measures to Control

Based on the nature of the activity producing the dust, the likelihood of dust being produced and the possible consequence of the dust based on the sensitivity receptors, the most effective control measure will be identified and implemented.

Step 4 - Monitor effectiveness of control

Site supervisory staff will have the responsibility to ensure that dust control measures are being implemented and are effective.

Weekly and monthly Health, Safety and Environment Inspections will be undertaken on each site either by the site manager or a competent person designated by the site manager.

Regular site audits will be undertaken by the site Safety, Health and Environment Consultant

COMPLAINTS AND NON-CONFORMANCES

All complaints will be investigated and forwarded to the Directors of Otto Group Ltd and the relevant local authority.

In the event of a complaint then the following procedure will be followed.

- Stop activity if required

- Investigate the cause
- Identify control measures required to prevent recurrence and implement.
- Raise nonconformance report.

Where it is identified that failures have occurred measures will be put in place to prevent recurrence and lessons learnt will be disseminated across the project.

Step 5 - Record and report result of monitoring

All Inspections, audits and results of monitoring will be recorded and kept as part of the site filing system.

The results of any monitoring will be made available as soon as they become available.

SELECTION OF SUBCONTRACTORS

Sub-contractors will be required to complete and pass a Tender Sub-Contractor evaluation before being selected to work on the project. All sub-contractors will be managed by Otto Group Ltd and will be required to operate to the high standards set for the project.

METHOD STATEMENTS AND RISK ASSESSMENTS

All Sub-Contractor Risk Assessments and Method Statements will be required to be approved by Otto Group Ltd prior to commencing work. Risk Assessments and Method Statements will be required to contain environmental aspects of the task; this will include dust control measures where required.

Where dust has been identified within the risk assessment as a significant issue, the method statement will be required to cover the following:

- Methods and materials that will be used to ensure that dust generation is minimised.
- The use of pre-fabricated materials where possible.
- Optimum site layout:
 - Dust generating activities to be located away from sensitive receptors.
 - Supply of water for damping down.
- Good housekeeping and management

All employees will be briefed on the Risk Assessment and Method statement before starting work.

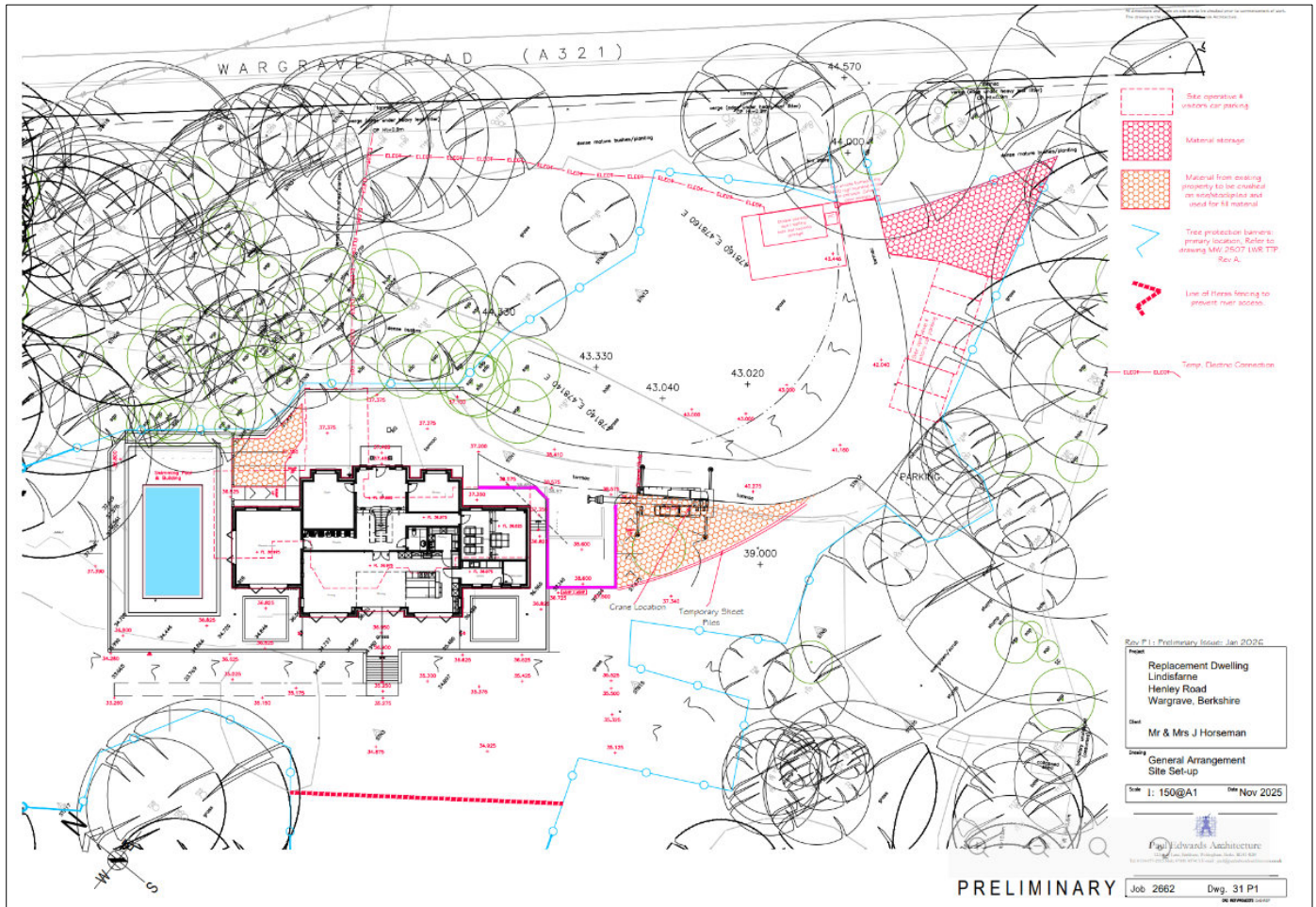
TRAINING

All employees will be required to attend a half day Safety, Health and Environment training course, part of this course will cover Environmental Aspects of the scheme. A site specific induction will also be required before being allowed to work on site. These will include site specific sensitive receptors and details regarding dust control measures to be taken.

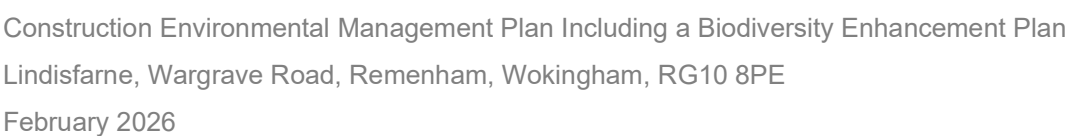
Project Environmental Tool Box Talks including air pollution and dust management control will be provided on a regular basis to all employees.

Before starting work each day all employees will receive a daily brief related to the Health, Safety and Environmental aspects of the task to be undertaken that day.

Appendix 7: Site Set Up Plans



6. Specifications for Mitigation Compensation - Figure E3



Appendix 9: CEMP

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

**OTTO Group Ltd
Lindisfarne
Henley Road, Wargrave.HP10 8PE**

Project/Contract	Demolition of existing property and Construction of new detached dwelling with Car port and swimming pool
Contractor details	Otto Group Ltd
Client details	James and Katrina Horseman
Site Address	Lindisfarne, Henley Road, Wargrave. RG10 8PE
Project Start Date	April 2026
Expected Duration	18 Months
Projected Completion Date	November 2027
Value of project	

	Name	Title	Signature	Date
Document Author	Andrew Jackman	Mr		
Authorised by				
Authorised by (for Client)				

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APPENDICES

A. Site Layout Plan

Description of Works

Include a detailed description of works:

- Location of works
- Specific activities
- Plant on site
- Environmental approvals (or applications) and relevant conditions
- Commencement date and duration of works
- Schedule Contractor Details

Information regarding the contractor.

Table 1.

Name	Position	Contact Number(s)	Email
Charlie Gramolt	Director	07973 363329	charlie@ottohomes.co.uk
Andrew Jackman	Director	07796 696737	andrew@ottohomes.co.uk

Environmental Policy

OTTO Group Ltd is committed to minimising the impact of its activities on the environment.

The key points of its strategy to achieve this are:

- ◆ Minimise waste by evaluating operations and ensuring they are as efficient as possible.
- ◆ Minimise toxic emissions through the selection and use of plant and vehicles.
- ◆ Actively promote recycling both internally and amongst its customers and suppliers.
- ◆ Source and promote a product range to minimise the environmental impact of both production and distribution.
- ◆ Meet or exceed all the environmental legislation that relates to the Company.

We will.

- ◆ integrate the consideration of environmental concerns and impacts into all our decision making and activities,
- ◆ promote environmental awareness among our employees and encourage them to work in an environmentally responsible manner,
- ◆ train, educate and inform our employees about environmental issues that may affect their work,
- ◆ reduce waste through re-use and recycling and by purchasing recycled, recyclable, or re-furnished products and materials where these alternatives are available, economical, and suitable,
- ◆ promote efficient use of materials and resources throughout our operations including water, electricity, raw materials, and other resources, particularly those that are non-renewable,
- ◆ avoid unnecessary use of hazardous materials and products, seek substitutions when feasible, and take all reasonable steps to protect human health and the environment when such materials must be used, stored, and disposed of,
- ◆ purchase and use environmentally responsible products accordingly,
- ◆ where required by legislation or where significant health, safety or environmental hazards exist, develop, and maintain appropriate emergency and spill response programmes,
- ◆ communicate our environmental commitment to clients, customers and the public and encourage them to support it,
- ◆ Strive to continually improve our environmental performance and minimise the social impact and damage of activities by periodically reviewing our environmental policy considering our current and planned future activities.

We will promote this policy and encourage the following.

Heating and Ventilation

- ◆ Regular checks are carried out on thermostatic settings as overheating causes discomfort and wastes money
- ◆ Settings on time switches are checked regularly as heating an unoccupied building is wasteful
- ◆ All doors should be kept closed to minimise draughts and conserve heat

Lighting

- ◆ Lights are turned off when they are not needed except in the reception area
- ◆ The last member of staff to leave the premises in the evening is responsible for ensuring that all lights, except those needed for security purposes, are switched off before they leave the building
- ◆ Use low energy lighting wherever possible

Ancillary Equipment

- ◆ Staff are requested to switch off equipment which may safely be switched off when not in use.
- ◆ A switch off policy is in operation whereby the last member of staff to leave is responsible for switching all equipment at the end of the day

Vehicles

- ◆ Company vehicles are serviced regularly to save money and reduce exhaust emissions
- ◆ Where possible vehicle journeys are planned in advance to minimise travel times and reduce costs
- ◆ Employees with company vehicles are expected to ensure the tyres are checked regularly and arrange for steering to be realigned if non-symmetrical tyre wear is noticed in order to reduce additional fuel usage
- ◆ Employees with company vehicles are advised to check tyre pressures regularly as under-inflated tyres increase fuel consumption and operating costs and over-inflated tyres have a shorter life and can be dangerous

Staff Suggestions

- ◆ The company encourages staff to make suggestions to their head of department or to the person in charge of environmental matters
- ◆ The company will consider all such suggestions made

Construction Sites

- ◆ The company regard protection of the environment to be as important as health and safety and fiduciary matters
- ◆ The company will comply with any environmental requirements specified in Health and Safety Plans and tender documentation
- ◆ The company will where possible avoid, minimise, or mitigate significant environmental impacts due to construction and other work activities
- ◆ The company will provide training of the workforce concerning their environmental responsibilities
- ◆ The company will endeavour to use only environmentally friendly materials and chemicals during the construction process

The company will prepare a Site Waste Management Plan for projects where the benefit

Site Specific Environmental Issues

Erosion and Sediment Control

Include:

- Potential sources of sediment/risks of erosion
- Stockpiles
- Stormwater discharge points
- Existing field and kerb inlets, and other stormwater infrastructure (i.e. swales)
- Site access and egress locations
- Nearby sensitive areas

Objective	To manage construction activities with the potential to cause erosion and the release of sediment		
Actions	Requirements	Responsibility	Timing
	e.g. Installation of cattle grid at exit point	e.g. Site Manager	Prior to construction commencing
Performance Indicators	e.g. No mud/dirt visible on public roads due to construction works	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Daily visual inspections of works site and all erosion and sediment controls	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Water Quality

Include:

- Environmental controls (i.e. settlement ponds, rock check dams, etc)
- Re-use of stormwater on site (i.e. dust suppression)
- Activities that should consider stormwater and groundwater (i.e. refuelling, storage of hazardous chemicals, waste, stockpiling, excavation)
- Groundwater level (if known)
- Any surface and ground water quality monitoring to be undertaken
- Sensitive receptors

Objective	To appropriately manage stormwater and groundwater quality during construction activities		
Actions	Requirements	Responsibility	Timing
	e.g. Excavation of v-drains/settlement ponds	e.g. Site Manager	Prior to construction commencing
Performance Indicators	e.g. No untreated stormwater leaving site	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Water quality monitoring program or complaint based monitoring		Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Air Quality

Include the following:

- Dust suppression
- Stockpiles
- Truck loads
- Maintenance and operation of machinery/equipment/vehicles
- Other methods to prevent/minimise dust

Objective	To manage construction activities with the potential to impact on air quality		
Actions	Requirements	Responsibility	Timing
	e.g. Water carts will be used for dust suppression	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No complaints regarding dust from workers/neighbours/community members	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Air quality monitoring program or complaint based monitoring	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works

Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Noise

Include:

- Noise generating activities
- Maintenance and operation of machinery/equipment/vehicles
- Work hours
- Specify any activities to be undertaken at night and why (if any)

Objective	To appropriately manage noise during construction activities to minimise impact to workers, neighbours and community members.		
Actions	Requirements	Responsibility	Timing
	e.g. All significant noise generating activities will be undertaken between Mon-Sat 6.30am to 6.30pm	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No complaints regarding noise from workers / neighbours / community members	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Noise monitoring program or complaint based monitoring	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Hazardous Substances

Include:

- Storage
- MSDSs
- Refuelling
- Spill kits and emergency spill response
- Spill kit training

Objective	To manage construction activities with the potential to cause contaminated soil.		
Actions	Requirements	Responsibility	Timing

	e.g. All chemicals will be stored in bunded, roofed areas with MSDSs kept nearby	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No spills	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Chemical storage areas and spill kits will be inspected on a routine basis	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Contaminated Soil

Include:

- Any existing contamination
- Is the site listed on the Environmental Management Register or Contaminated Land Register?
- Importation of fill
- Removal of fill from site
- Contamination testing (in accordance with Soil Disposal Protocol – attach as Appendix)

Objective	To manage construction activities with the potential to cause or disturb contaminated soil.		
Actions	Requirements	Responsibility	Timing
	e.g. No fill material will be imported to or removed from site	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No evidence of contaminated soil on site	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Any contamination sampling	e.g. Site Manager / consultant	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Acid Sulphate Soil

Include:

- Excavation and depths
- Only applicable if you are excavating
- More applicable if you are excavating more than 5 metres below ground level
- Can refer to PBPLs Acid Sulphate Soil Management Plan

Objective	To manage construction activities with the potential to cause or disturb contaminated soil.		
Actions	Requirements	Responsibility	Timing
	e.g. Actions to be undertaken if clay/ASS is disturbed	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No evidence of acid sulphate soil impacts (discoloration/odour)	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Visual monitoring or field / lab sampling	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of Environment and Heritage Protection	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Waste Management

Include:

- Sensitive receptors
- Waste receptacles and servicing

Objective	To appropriately manage waste during construction activities.		
Actions	Requirements	Responsibility	Timing
	e.g. Appropriate waste receptacles will be provided on site	e.g. Site Manager	Prior to works commencing
Performance Indicators	e.g. No waste deliberately or unintentionally released	e.g. Site Manager	Throughout remediation works
Monitoring	e.g. Waste receptacles will be inspected daily and emptied weekly	e.g. Site Manager	Throughout remediation works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to Department of	e.g. PBPL	Throughout construction works

	Environment and Heritage Protection		
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Flora and Fauna

Include:

- Activities with potential to interfere with flora/fauna (both terrestrial and aquatic)
- Removal of flora and relevant environmental approvals
- Importation of fill free from Red Imported Fire Ants
- Landscaping works

Objective	To appropriately manage construction activities with the potential to disturb flora and fauna.		
Actions	Requirements	Responsibility	Timing
	e.g. No marine or terrestrial vegetation will be disturbed without prior approval	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No injury / harm to local flora and fauna	e.g. Site Manager	Throughout construction works
Monitoring	e.g. Visual monitoring	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to regulators	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works

Cultural Heritage

Include:

- Any known areas of Cultural Heritage Significance
- Steps to be undertaken if cultural heritage artefact is uncovered ("cultural heritage duty of care")

Objective	To appropriately manage construction activities with the potential to disturb/uncover cultural heritage sites/artefacts.		
Actions	Requirements	Responsibility	Timing
	e.g. All contractors will be educated on their cultural heritage duty of care	e.g. Site Manager	Throughout construction works
Performance Indicators	e.g. No cultural heritage artefacts uncovered	e.g. Site Manager	Throughout construction works

|Plan ecology

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Monitoring	e.g. Visual monitoring	e.g. Site Manager	Throughout construction works
Reporting	e.g. Reporting to site manager and PBPL	e.g. All staff	Throughout construction works
	e.g. Any reporting to regulators	e.g. PBPL	Throughout construction works
Corrective Actions	e.g. Corrective actions and implementation time frame	e.g. Site Manager	Throughout construction works