



CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

AT BROOKLEIGH EASTERN END DRAINAGE AND LANDSCAPING WORKS

FOR
HOMES ENGLAND

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AMENDMENT RECORD SHEET

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V1.2 & V1.3	03/02/2026 09/02/2026	AOD	Updated following project team comments	
V1.4	19/03/2026	AOD	Updated following project team comments	
V1.5	18/05/2026	MB	Site Access Drawing updated.	
V1.6	26/05/2026	MB	Programme updated	

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1 INTRODUCTION

1.1 BACKGROUND

This Construction Environmental Management Plan (CEMP) has been prepared by Cognition Land and Water Limited (COGNITION) on behalf of Homes England (the applicant) and is provided for partial discharge of Planning Condition 8 (Construction Environmental Management Plan) (part discharge - drainage and landscaping works only) on the outline planning permission (DM/21/3279), as well as Planning Condition 4 of the reserved matters approval for drainage, attenuation pond and landscaping works (DM/24/0222) and Planning Condition 3 of the reserved matters approval for installation of a foul pumping station. The relevant planning conditions are set out below.

DM/24/0222 - Planning Condition 4

Condition 8 of DM/21/3279 requires the submission of a Construction and Environmental Management Plan (CEMP) including the setting out of avoidance and mitigation measures in respect of wildlife and habitats. This information is required prior to commencement.

DM/24/2010 - Planning Condition 3

Condition 8 of DM/21/3279 requires the submission of a Construction and Environmental Management Plan (CEMP) including the setting out of avoidance and mitigation measures in respect of wildlife and habitats. This information is required prior to commencement

DM/21/3279 - Planning Condition 8

Prior to the commencement of development within each reserved matters area, a Construction Environmental Management Plan (CEMP) shall be submitted to and approved in writing by the Local Planning Authority in respect of development within that reserved matters area. The CEMP shall include amongst other matters details of:

- *The appropriate Mitigation Measures stated as being contained within the CEMP in Table 16-1 'Summary of Mitigation Measures from within the Technical ES Chapters', Chapter 16 Mitigation Register, of the Environmental Statement Volume 1 (December 2018).*
- *setting out avoidance and mitigation measures in respect of wildlife and habitats;*
- *a timetable for the commencement, construction, occupation and completion of the development;*
- *the anticipated number, frequency and types of vehicles used during construction;*
- *the method of access and routing of vehicles during construction and directional signage for the purposes of such;*
- *the siting and layout of site compounds and welfare facilities for construction workers;*
- *the provision of parking of vehicles by site operatives and visitors;*
- *the provision for the loading and unloading of plant, materials and removal of waste;*
- *the provision for the storage of plant and materials used in construction of the development;*
- *the design, erection and maintenance of security hoardings and other measures related to site health and safety;*
- *hours of construction working;*

- details of construction lighting;
- measures to monitor and control noise and vibration affecting nearby residents;
- the provision of wheel washing facilities and other works required to mitigate the impact of construction upon the public highway, including the provision of temporary Traffic Regulation Orders;
- dust control measures;
- pollution incident control and site contact details in case of complaints;
- a scheme for community liaison and public engagement during construction, including the provision of information to occupiers moving onto the site before the development is complete;
- contact details of site operations manager, contracts manager, and any other relevant personnel.

The CEMP shall be in accordance with the Ecological Impact Assessment Section 73 Application - Incursions to Ancient Woodland (AECOM Limited, April 2022). The construction works within that reserved matters area shall thereafter be carried out at all times in accordance with the approved Construction Environmental Management Plan, unless any variations are otherwise first submitted to and approved in writing by the Local Planning Authority.

Reason: To protect the local landscape, biodiversity within the site, the local environment and neighbouring residential amenity and to accord with Policies DP9, DP26 and DP38 of the Mid Sussex District Plan.

This document is provided to facilitate drainage and landscaping phase of works set out in AECOM's Works Information dated 17/12/2024. The works will be carried out by **COGNITION**.

The approved CEMP shall be implemented and adhered to throughout the drainage and landscaping phase of development unless any alternative is agreed in writing with the Local Planning Authority.

1.2 SCOPE OF WORKS

COGNITION estimates the program for the drainage and landscaping works to take nine months to complete. The works will commence shortly after the discharge of all pre-commencement conditions with a 2 to 4 weeks mobilisation period from the day of official appointment (subject to national holidays). The works will be completed in accordance with an agreed drainage and landscaping works RAMS.

The scope of works for the Brookleigh Eastern End Drainage and Landscaping works include:

Foul Water Pumping Station

- Site clearance for the purpose of installation of a new foul water pumping station.
- Excavation of drainage runs and voids for the installation of foul water drainage and access chambers.
- Installation of foul water drainage infrastructure including vitrified clay pipes and access chambers.

Attenuation Pond

- Site clearance for the purpose of construction Attenuation Pond P22.
- Excavation of Attenuation Pond P22 in accordance with the design specifications.

Landscaping

- Construction of access paths around Attenuation Pond P22.
- Installation of erosion control measures within Attenuation Pond P22.

2 OVERVIEW OF DEVELOPMENT

2.1 SITE DESCRIPTION

Brookleigh is a development that will form a northern extension of Burgess Hill. Burgess Hill is a town with a total population of approximately 34,000 people located in West Sussex.

The site comprises undeveloped pastureland and pastureland that has been stripped as part of the wider works.

The site is served by an established road network, with primary vehicular access to the site provided via the newly constructed road that is located at the junction of the A273. The closest town, Burgess Hill, is accessible via the A273.

2.2 PEDESTRIAN LINKS

COGNITION will ensure that pedestrian access is maintained via the newly constructed road, which is located at the junction of the A273. A pedestrian walkway will be established to ensure that pedestrians entering the site are segregated from vehicles.

2.3 PUBLIC TRANSPORT

Public transport access to the site is limited with the nearest bus stops being located within Burgess Hill (Maple Drive and Packham Way), approximately 0.5 miles from the site.

2.4 SITE SETTING

The site is irregular in shape and is located within the eastern end of the development to the east of the A273. The overall development site spans approximately 178 hectares, with an approximate OS grid reference of: E: 531151, N: 120904.

In its current state as undeveloped pastureland. No site-specific hazards or constraints relevant to this CEMP have been identified except for previously identified ecological considerations (Hazel dormouse and badgers). Previous ground investigations have not identified contamination within the soil on site. However, once the works commence, unforeseen hazards may arise; these may include:

- Previously undiscovered soil contamination.
- Additional, previously unidentified ecological constraints.

A site location plan is included as Figure 1.

The map displays the geographical context of the study area. Key features include the River Tweed flowing through the landscape, several farms such as Heavenswood Farm, Hookhouse Farm, and Lowlands Farm, and the village of Abbotsford. 'The Site' is highlighted with a red outline, situated near the River Tweed. The map also shows various roads, including the A166, and other landmarks like the Education Facility. A scale bar indicates a distance of 0.5 km, and a north arrow is present in the top right corner. An inset map in the top left corner shows the location of the study area within Scotland.

3 ONSITE WORKFORCE

3.1 ROLES AND RESPONSIBILITIES OF STAFF

The line of responsibility for environmental management during the works is detailed below. Descriptions of individual environmental management roles and responsibilities are described later in this section of the CEMP.

It has been assumed that the works will span approximately nine months, commencing in 17/04/2026. The relevant parties and key roles in the context of the present plan are detailed below. The works programme is included as **Appendix 1**.

3.2 CLIENT AND CONTRACTOR TEAM

The relevant parties, key roles and responsibilities within the client and contractor team are summarised in Table 1 and 2, respectively.

Table 1: Client Team

Disciplines	Company	Contact Details
Client	Homes England	Name: Rob Morley Tel: 07976173306 Email: rob.morley@homesengland.gov.uk
Designer Civils Phase 1C Pumping Station	Meinhardt (UK) Ltd, One London Wall, London, EC2Y 5EA	Name: Sujal Parikh MEng CEng MICE T: +44 (0) 207 831 7969 Email: Sujal.Parikh@meinhardt.co.uk
Designer Civils Pond 22	Meinhardt (UK) Ltd, One London Wall, London, EC2Y 5EA	Name: Sujal Parikh MEng CEng MICE T: +44 (0) 207 831 7969 Email: Sujal.Parikh@meinhardt.co.uk
Principle Designer	Meinhardt (UK) Ltd, One London Wall, London, EC2Y 5EA	Name: Sujal Parikh MEng CEng MICE T: +44 (0) 207 831 7969 Email: Sujal.Parikh@meinhardt.co.uk

Table 2: COGNITION Project Team

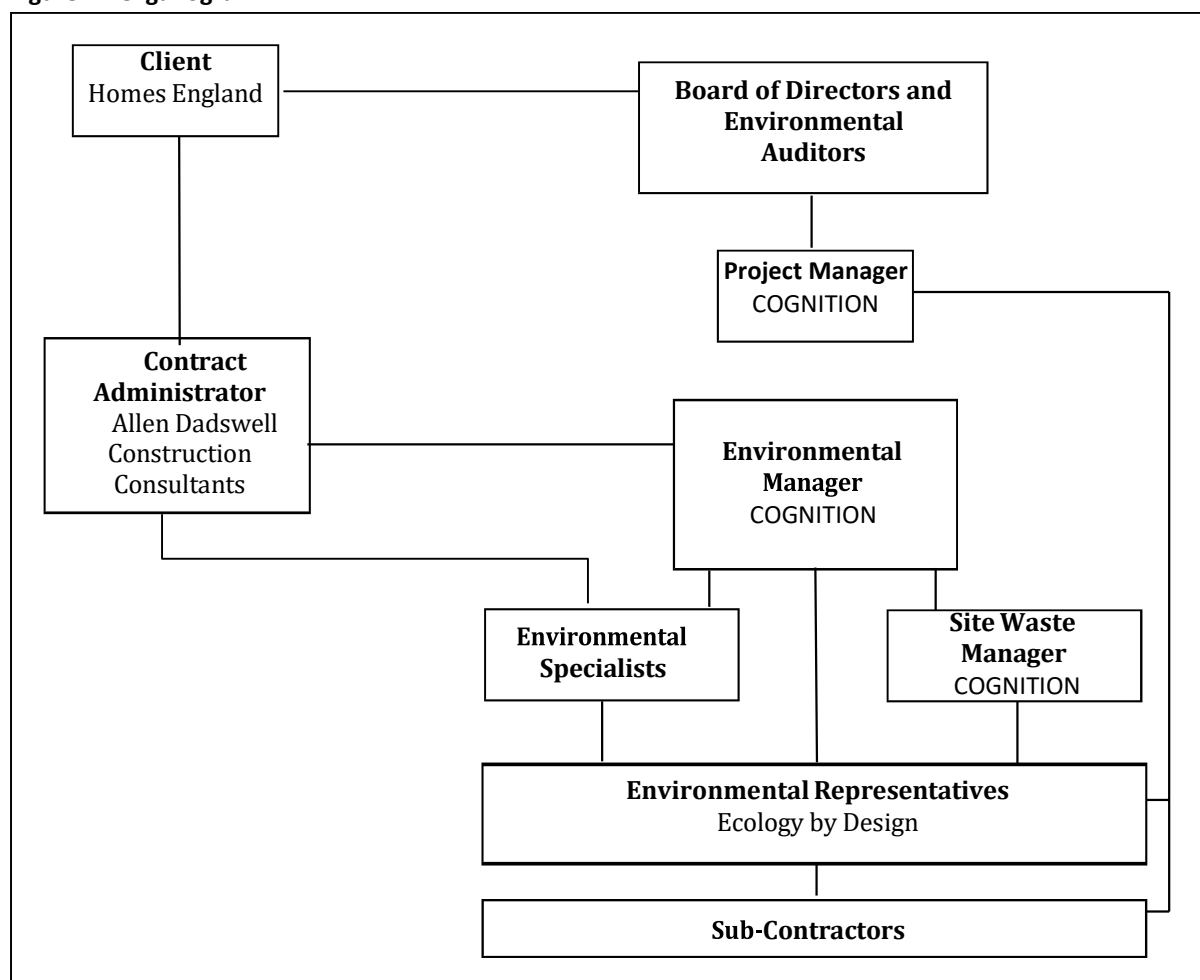
Role	Name	Company	Contact Details	Responsibilities
Project Director	Rob Fox	COGNITION	robert.fox@cognitionltd.com Tel: 07786 968 278	Overall responsibility for the environmental performance of the contract. The Project Director will report to COGNITION's board of directors.
Project Manager	Jack Gallagher	COGNITION	jack.gallagher@cognitionltd.com Tel: 07580 115 291	Overall day-to-day responsibility for Health and Safety, Environmental and Quality performance throughout the period of works. They will ensure that appropriate resources are made available and any necessary environmental controls or mitigation measures are implemented. The Project Manager will report to the Project Director.

Role	Name	Company	Contact Details	Responsibilities
Site Manager	Gary Beattie	COGNITION	garybeattieukd@aol.co.uk Tel: 07538 935 309	Responsible to Project Manager with particular responsibility for the works and assisting with safeguarding the environment.
Health and Safety Managers	Jake Johnston	COGNITION	jake.johnston@cognitionltd.com Tel: 07775 446 915	Overall responsibility for the health and safety of the project.
	Mike Honeyman	COGNITION	Mike.Honeyman@cognitionltd.com Tel: 07718 900 464	
Environmental Manager	Jake Johnston	COGNITION	jake.johnston@cognitionltd.com Tel: 07775 446 915	Responsible for coordinating and managing all the environmental activities and compliance during the works. The Environmental Manager will carry out the following duties: • The management of environmental issues as advised by the specialists (e.g. ecology and lighting) • Obtain necessary environmental consents • Regularly review and update this CEMP and specialist procedures and identify areas for improvements • Review method statements for environmental aspects and advise the Project Manager as to their suitability • Identify environmental competence requirements for all staff working on the Project and ensure delivery of training as required • Monitor site activities and performance to ensure that identified and appropriate control measures are being effective and compliant with this CEMP • Act as a main point of contact between the regulatory authorities and the Project on environmental issues • In conjunction with the environmental specialists, overall monitoring of the program for environmental works, and provision of status reports as necessary • Liaison with Homes England Environmental Manager

Role	Name	Company	Contact Details	Responsibilities
				- Management of the environmental monitoring program, including noise, vibration and dust - Environmental audit of subcontractors and suppliers - Carry out weekly environmental inspections of the site, initiating actions and completing a weekly environmental inspection report
Traffic Safety Officer (as appropriate)	Bradley Storey	COGNITION	Bradley.Storey@cognitionltd.com m: 07931 117 604	Responsible to Contract Manager. Overall responsibility for traffic management.
Site Waste Manager	Gary Beattie	COGNITION	garybeattieukd@aol.co.uk Tel: 07538 935 309	Responsible for overall waste management issues arising from the project. These will include: - Implementation and monitoring of waste minimisation, segregation, and safe disposal measures - Dissemination of waste reduction and waste management procedures to all relevant personnel on site
External Relations Officer	Mark Boshier	COGNITION	Mark.boshier@cognitionltd.com Tel: 07768 858 411	Public relations in coordination with Homes England
Ecological Specialist	Oli Bulpitt (Badger Licence) Karen Lunan (Dormice Licence)	Ecology by Design Ltd	oliver@ecologybydesign.co.uk Tel: 07375 387 743 karen@ecologybydesign.co.uk Tel: 07908 912 997	Responsible for undertaking detailed mitigation design within their specialist field, oversee its implementation, maintenance and monitoring throughout the works period up to the end of the maintenance period

An organogram chart is included below as Figure 2.

Figure 2 - Organogram



3.3 CONTACT DETAILS OF EXTERNAL AGENCIES

A list of key contacts from external agencies is provided below.

Mid Sussex District Council

- Environmental Protection Team
- Telephone: 01444 477 292
- Email: pollution@midsussex.gov.uk

Environment Agency

- Environment Incident Hotline: Telephone: 0800 80 70 60
- Nature Conservation: Telephone: 0800 80 70 60
- Development Control and Flood Risk: Telephone: 0800 80 70 60

Natural England

- Nature Conservation: Telephone: 0300 060 3900

4 SITE ARRANGEMENTS

4.1 COMPOUND

COGNITION will establish a secure compound as describes below.

4.2 SITE ACCESS AND ROUTING

All construction traffic will be via the existing access points via the newly constructed road as part of the separate Eastern Bridge and Link Road, which is located at the junction of the A273. The site access arrangements are illustrated within the site access plan which is included as Figure 3.

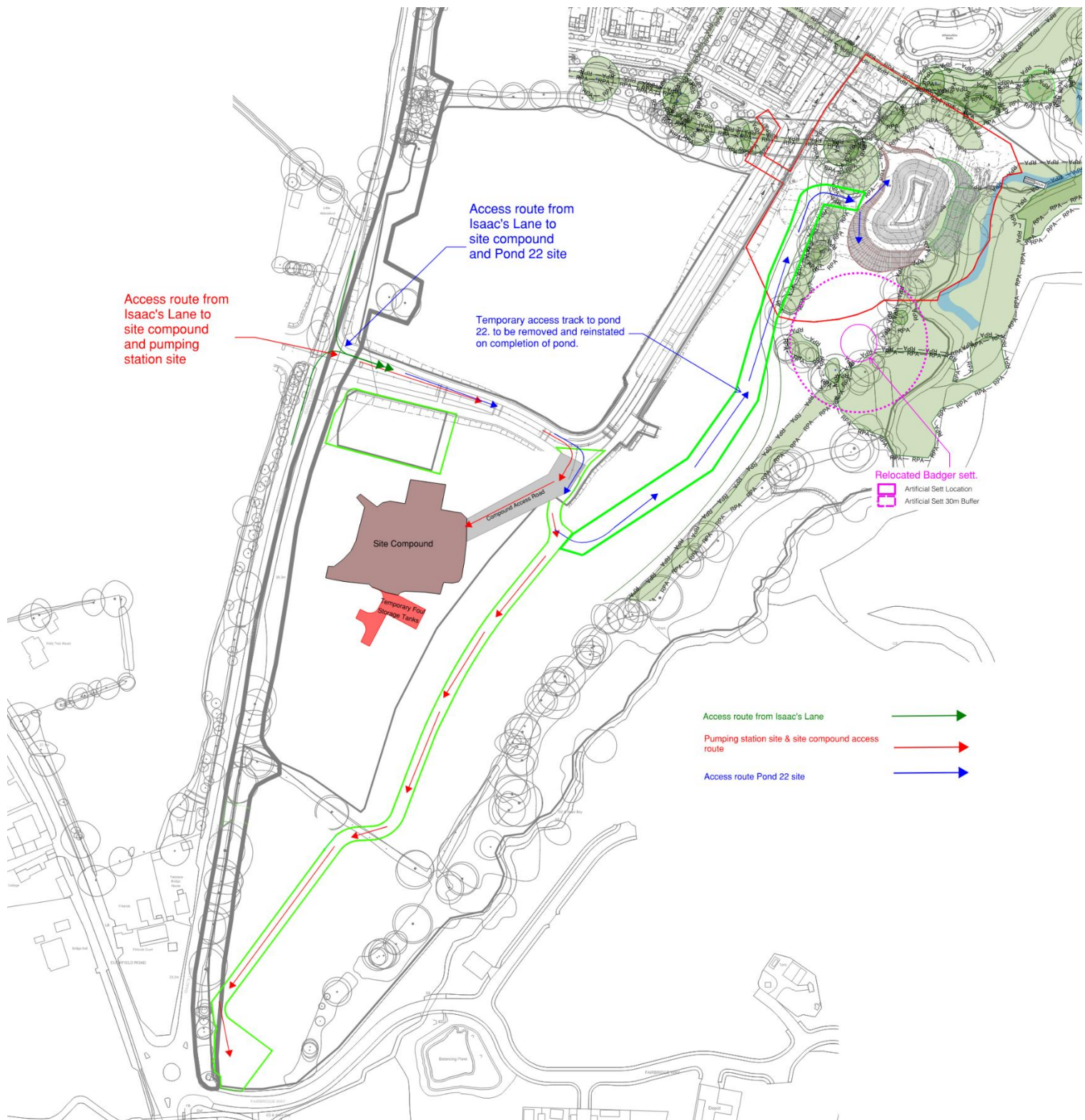
Site specific arrangements that will be put in place including:

- Site specific speed limit for all vehicles of 10mph.
- Access via office after signing in.
- All deliveries are to be attended by a banksman.
- Reversing without banksman is strictly prohibited.
- Company anti-idling policy will strictly be enforced.
- A turning area for all construction vehicles, including HGVs, deliver lorries/vans and contractor staff vehicles.
- Pedestrian routes around the site shall be demarcated and segregated where possible, but specifically around vehicle access points and turning areas.
- Deliveries shall be outside of peak times.
- All HGVs or other delivery/plant/material disposal vehicles shall be sheeted to avoid dust being carried off site or onto access and local roads.
- Parking for construction staff and subcontractor staff shall be in a defined and limited areas shown on the site compound plan.
- Visitors must be accompanied on foot around the site by the Site Manager or their delegate.
- Wheel washing facilities will be established within the site and kept in operation as requiring during the works to prevent the tracking out of materials onto the adjacent roads. Visual inspection to be undertaken on all vehicles leaving site.
- COGNITION will design and apply for a Temporary Traffic Regulation Order (TTRO) to permit the construction of a temporary crossover on Isaacs Lane.

The expected traffic movements in and out of the site are:

- Personal transport vehicles
- 8-wheel tipper lorries (estimated 5-10 movements per day)

Figure 3 - Site Access Plan



4.3 SITE FACILITIES AND PARKING

COGNITION will establish a secure compound that will include at a minimum a site office, canteen, stores and toilet facilities. Parking for construction staff and subcontractor staff shall be in a defined and limited area that will be clearly signed.

Fire extinguishers and an emergency spill response kit will be maintained in the compound area. The spill response kit will include the absorbent pads, booms, and granules. A storage container for materials will be located within the main working area together with a dedicated bunded diesel re-fueller with associated fire extinguishers and an emergency spill response kit.

A first aid kit will be located within the main welfare block, with adequate signage in place. Smoking and vaping will only be allowed within designated areas of the site.

Information boards and a site name board will be erected within the site compound containing all relevant information including health and safety information, progress of works and instructions for reporting complaints of public interest.

The compound will be secured to deter trespassers. The site entrance gates will be shut and locked outside working hours and manned accordingly during working hours.

4.4 DELIVERIES

COGNITION will operate a “Just in Time” delivery process, where materials will be delivered when needed to the site in quantities appropriate for the task at hand. This limits the amount of material stored on-site and ensures that material being used are in the best possible condition.

All deliveries will be planned outside of peak transit times to and from the site where possible to minimise local disruption. All on-site construction plant will be fitted with flashing beacons and reversing signals will be used. A trained banksman will be on-site to aid delivery vehicle movements on site and in attendance during all reversing operations. All site traffic will be limited to the site specific speed limit.

All site deliveries will be appropriately staggered and coordinated to avoid unnecessary queuing of site vehicles on public roads. This will be controlled in an efficient manner. Where possible, deliveries will be allocated a time slot to enter the site. Deliveries will be arranged with prior arrangement. Delivery and material orders will be placed with clear instructions about site.

Construction waste will be stockpiled on-site in designated areas/containers with recyclable material and any contaminated or hazardous waste segregated. Waste materials will be collected during off-peak hours and using sub-contractors, with appropriate waste carrier licenses, specifically selected for the type of waste to be removed.

All vehicles leaving the site will be required to ensure they are properly loaded and road worthy prior to being permitted to exit the site compound.

4.5 STORAGE OF PLANT AND MATERIALS

All excavated material will be stockpiled or placed within quarantine (where applicable) on site with volumes no greater than 500m³ and below 4m in height on either hardstanding or on a bunded, impermeable membrane over firm ground. Adequate signage will be put in place to identify stockpiles with green signs signifying material suitable for reuse on site or disposal.

Stockpiles will be dampened and (where applicable) covered to minimise dust generation. If contaminated soils are encountered, they will be placed within a designated quarantine area on a bunded hardstanding, or areas specifically prepared by the laying of heavy-duty impermeable plastic sheeting/membrane. The bunds surrounding the stockpiles will be of sufficient height and the sufficient space allowed to facilitate room for contaminated run-off (leachate) within the bunded area (heavy or prolonged rainfall). The bunded water will be treated through an on-site water treatment system, to remove potential contaminants prior to discharge.

All fuel bowsters will be bunded. If the fill pipe for the tank needs to be extended outside the tank's bund, a drip tray will be used during delivery of fuel or refuelling to collect any accidental drips of fuel. A competent person will supervise all deliveries of fuel to help avoid spillages, prevent damage to the equipment and environment and save loss of fuel. The fuel bowster will be securely locked when not in use. A competent person will inspect the bowster and bunding regularly to detect leaks or damage that could lead to a spill.

Storage areas will be clearly identified and separated from pedestrian circulated areas. Materials will be stacked on firm level ground. Contractors and Subcontractors will be made aware of their responsibilities with regards to storage of any hazardous materials, ensuring that they are

suitably stored in areas where they will not affect others or the environment. The arrangements for storage of such items will be monitored and revised as the works progress.

4.6 SECURITY HOARDING

The site is currently bound by Heras fencing which will remain in place for the duration of the drainage and landscaping works. This will provide a secure site and prevent unauthorised access. Temporary Heras or similar will also be used/installed around work areas, ecological protection areas, welfare, car parking areas and used for pedestrian walkways, as and where required. All temporary fencing will be erected in accordance with a temporary works design to ensure they are erected and maintained in a safe condition.

Suitable signage will be provided at access and egress points to clearly indicate the actions and routes to be taken by visitors to the site. All excavations will also be secured and fenced off where unattended and backfilled as soon as reasonably practicable.

The site security hoarding/ fencing will be regularly inspected for evidence of damage or attempted entry. Where openings or damage are reported, these will be repaired immediately.

The site will be continually monitored by CCTV. A 24 hour call-out system will be put in place throughout the works to ensure rapid response throughout the working day and out-of-hours (evenings/weekends). If an unauthorised site entry is recorded or reported, appropriate action will be taken to secure the site and the relevant authorities will be informed, if appropriate.

4.7 WORKFORCE AND WORKING HOURS

It is expected that the working hours for works audible at the site boundary will be:

Working Hours: Monday-Friday 08:00-18:00 and Saturday 08:00-13:00.

No machinery is to be started outside of these hours. No working on Sundays and Bank Holidays unless otherwise agreed with Mid Sussex District Council.

Working hours within the site will be agreed with Mid Sussex District Council prior to the commencement of the works. All work outside these hours will be subject to prior agreement, and/or reasonable notice by Mid Sussex District Council, who may impose certain restrictions and will have regard to any planning conditions attached to any grant of permission.

Night-time working will be restricted to exceptional circumstances. By arrangement, there may be some out of hour's working.

5 ENVIRONMENTAL REQUIREMENTS AND LEGISLATION

5.1 PRE-COMMENCEMENT REQUIREMENTS

Pre-commencement requirements that need to be implemented before any work can commence on site are as follows:

- Erection of protective fencing and provision of protection of all retained trees in accordance.
- Acquisition of a Badger License from Natural England.
- Closure of badger setts and establishment of a suitable artificial badger sett.
- Acquisition of a Hazel dormouse European Protected Species Mitigation Licence from Natural England.
- Preparation and approval of this Construction Environmental Management Plan (CEMP).
- Precautionary working method for reptiles and potentially nesting birds.
- Identification and marking of all existing services through on site CAT and Genny surveys, GPR and hand digging if deemed necessary. All identified services will be clearly marked and sign posted where necessary.

5.2 METHOD STATEMENTS

Method statements will be completed by trained engineers or other appropriately experienced personnel, in consultation with on-site environmental staff and, where necessary, environmental specialists. These will include a review of environmental risks and commitments with appropriate control measures included within the process. Environmental implications will be identified using the following criteria:

- Work may result in an adverse effect on the environment or human health; and
- Work is adjacent to a surface water drain or water course.

Method Statements will be reviewed by COGNITION's Environmental Manager, the subcontractor's appointed Environmental Manager (where applicable) and an appropriate environmental specialist (where applicable). Approval of the method statements will be by the employer's representative only. If required, all approved Method Statements will be submitted to the enforcement agencies (Environment Agency, Natural England, Environmental Health Officer, HSE etc.) as appropriate. Method Statements will contain as a minimum:

- Location of the activity and access/egress arrangements
- Work to be undertaken and methods of methods to be followed
- Plant and materials to be used
- Labour and supervision requirements
- Health, safety and environmental considerations
- Planning restriction

- Any permit or consent requirements

5.3 RISK ASSESSMENTS

All activities undertaken on site will be subject to an environmental risk assessment. This comprises an environmental risk register which summarises the key aspects and effects and their significance associated with the works. The probability and importance of each effect will be determined.

The scoring system applied to the effects is subjective according to knowledge of the task in addition to information available (1: minimal risk, 2: below average risk, 3: average risk, 4: above average risk, 5: high risk).

Significance is a weighted score achieved by multiplication of the score applied to probability and importance. The risk register will be updated and revised regularly. More detail is inserted for control measures if the score is greater than 12 i.e. a high effect. All risk assessments will be undertaken by trained and competent staff and agreed with COGNITION's Environmental Manager following an approved procedure identifying:

- The significant environmental effects that can be anticipated
- The control measures to be taken and re-calculate the risk
- Report where an inappropriate level of residual risk is identified so that actions can be taken through design changes, rescheduling of work or alternative methods of working to reduce the risk to an acceptable level

The residual risks will only be considered acceptable if:

- the severity of outcome is reduced to the lowest practicable level
- the number of risk exposures are minimised
- all reasonably practicable mitigating measures have been taken
- the residual risk rating is reduced to minimum

The findings of the risk assessment, and in particular, the necessary controls will be agreed with the Environmental Manager and then disseminated to all operatives before the commencement of the relevant risks using the agreed instruction format.

5.4 SITE ENVIRONMENTAL STANDARDS

The Site Environmental Standards will be agreed with the Environmental Manager and will detail the minimum measures that shall be achieved for general operations outside the risk assessment/method statement procedures. These will cover issues such as storage of materials, management of waste, water pollution, dust, noise and vibration and water pollution control.

6 HEALTH & SAFETY AND GENERAL SITE MANAGEMENT

6.1 HEALTH & SAFETY

There is a legal requirement to protect all personnel and the public from any significant adverse effect of implementing the works.

6.1.1 PROJECT PERSONNEL

Appropriate induction training will be given to all persons visiting and working on the site. Upon entering the site for the first time, all persons will be provided with a copy of 'Environmental Site Induction' explaining site-specific rules.

All site visitors and site operatives will be given appropriate personal protective equipment (PPE) for the tasks being undertaken. Additionally, all standard safety procedures will be adhered to as laid down in the appropriate guidelines for the type of work.

6.1.2 GENERAL PUBLIC

Site Manager/Site Foreman will ensure that the site and associated plant and machinery will be secured during non-working hours. They will also ensure that all heavy goods vehicles (HGVs) safely enter and exit the site.

All loading and unloading of HGVs will be undertaken within the work site boundary. All loading and unloading activities will be carried out in a designated loading/unloading area within the Site Compound as shown in Figure 3 above. The loading/unloading area will be formed of hardstanding or compacted gravel to minimise mud and debris on the wheels of road going vehicles.

In addition, wheel washing facilities will be provided at the site entrance to avoid transfer of mud/debris onto the public highway. Street sweeping vehicles will be employed as required to maintain the condition of the public highway in the vicinity of the site access.

6.2 GENERAL SITE MANAGEMENT

Working hours will generally be limited to between 08:00 to 18:00 Monday to Friday and Saturday 08:00 to 13:00. All works outside these hours will be subject to prior agreement, and / or reasonable notice with Mid Sussex District Council.

COGNITION will keep records of all construction plant/machinery used on the site, which will be maintained at weekly intervals.

Access and egress points will be controlled and manned by a gate attendant during working hours and security personnel out of hours. The delivery of materials, plant and equipment will be restricted to approved working hours, unless in exceptional circumstances. Signage will be used in advance and throughout the works to ensure safe access to the site. Pedestrian access will be segregated from the vehicular access and safe walking routes will be installed and maintained throughout the works period.

The appropriate intervals for the removal of waste from site will be determined and all waste deposited of using a licensed hauler to a suitably licensed facility.

Daily records of climatic conditions including rainfall, minimum and maximum temperatures and humidity will be recorded and kept on the records throughout duration of works on site.

All necessary and reasonable measures will be taken to minimise fire risk and **COGNITION** will comply with the requirements of the local fire authority. Open fires are prohibited at all times.

6.3 TRAINING, AWARENESS AND COMPETENCE

The raising of environmental awareness is viewed as a crucial element in the appreciation and implementation of the CEMP. Consequently, all staff will initially undergo environmental awareness training, by way of the pre-start induction process.

A project specific training plan that identifies the competency requirements for all personnel allocated with environmental responsibilities will be produced and retained with the site records. Training for all personnel identified in the training plan will be completed before commencement of the associated activities.

The Site Manager, Line Managers and/or supervisors will ensure that all personnel engaged in activities that may have an impact on the environment are competent have received suitable training and are competent to carry out their duties or, where necessary, arrange for suitable training to be undertaken.

Training will be undertaken for the following:

- Risk assessment procedures, requiring all personnel to be aware of and sign off the appropriate risk assessment/method statement for the task(s) in which they are engaged.
- Full health and safety induction with emphasis on the correct PPE which is to be provided by the Principal Contractor.
- Awareness of the potential for harm to both personnel and the environment from the works. Awareness of the sensitivity of the environment surrounding the site.
- Reporting to the Environment Agency if there is a risk of surface, groundwater or land contamination.
- Reporting to the Environment Agency if a discharge to the foul or combined sewer is involved.
- Clean-up, safe handling and legal disposal of contaminated materials and waste resulting from an incident (including arrangements for the use of specialist contractors and services).
- The appropriate decontamination or legal disposal of contaminated PPE.
- Implementation of the provisions of the Environmental Incident Response Plan.
- Specialist ecological input in relation to protected species issues for the site including but not limited to Hazel dormice and badgers.
- General public relations and the need for exemplary courtesy and behaviour of all site staff. Environmental controls and monitoring in respect of noise, air quality, vibration and odour.

6.4 INSPECTION OF OTHER OPERATIONAL ELEMENTS

Appointed environmental representatives will carry out weekly inspections of their respective areas, to verify that housekeeping or supporting controls are being implemented effectively.

These inspections will utilise the site environmental standards and pre-commencement requirements as the minimum standards that shall be achieved, with necessary actions being recorded and raised at weekly progress meetings.

Subsequent inspections will commence with a review of all outstanding actions from previous reports to verify that they have been completed. Inspections of deliverables required by the CEMP will be subject to regular independent inspections by either the Environmental Manager or the relevant environmental specialists. These inspections will be used to confirm that:

- All pre-commencement requirements have been implemented and communicated ahead of commencement of works
- All works are progressing in accordance with the agreed method statement
- Agreed protection or mitigation measures are in place, prior to or during the implementation of activities being carried out
- All works have been completed in accordance with the design and commitments made during the statutory process

6.5 ENVIRONMENTAL INSPECTION AND REPORTING

COGNITION's Environmental Manager will carry out an assessment of the project's environmental performance, based upon the reports from the environmental management representatives, the environmental specialists and from his own site inspections. This will be carried out at a frequency at no greater than monthly intervals but could be held more regularly depending on the nature of the activity.

An assessment of the performance over the month will be made and quantified. A monthly report detailing performance for the period will be provided to the Client's Project Manager (Employer's Representative) and will include a summary of environmental inspections completed, audits undertaken, complaints and incidents.

6.6 RELATIONSHIP WITH MID SUSSEX DISTRICT COUNCIL ENVIRONMENTAL HEALTH / CONTAMINATED LAND OFFICER

A proactive, collaborative approach shall be taken with the Mid Sussex District Council Environmental Health and Contaminated Land Officer(s) both prior to and during the works, in order to ensure minimal environmental impacts from the works conducted.

Regular meetings will be held prior to and during the works, to discuss progress of works, environmental monitoring results, audits undertaken, and any complaints received from residents. Should any complaints have been received; appropriate mitigation measures to improve environmental performance will be agreed with the Mid Sussex District Council.

6.7 ENVIRONMENTAL COMPETENCE OF STAFF

The raising of environmental awareness is viewed as a crucial element in the appreciation and implementation of this CEMP. As a consequence, all staff will undergo environmental awareness training, initially by way of the pre-start induction process. A project specific training plan that identified the competency requirements for all personnel allocated with environmental responsibilities will be produced and contained within the CEMP.

Exercises are to be carried out periodically to familiarise staff with the operation of the plan to test its effectiveness. Training will include:

- Risk assessment procedures, requiring all personnel to be aware of and sign off the appropriate risk assessment/method statement for the task(s) in which they are engaged
- Full health and safety induction with emphasis on use of the correct PPE which is to be provided by the Principal Contractor
- Awareness of the potential for harm to both personnel and the environment from the materials held onsite
- Awareness of the sensitivity of the environment surrounding the facility
- Reporting to the Environment Agency if there is a risk of surface, groundwater or land contamination
- Clean-up, safe handling and legal disposal of contaminated materials and waste resulting from an incident (including arrangements for the use of specialist contractors and services)
- The appropriate decontamination or legal disposal of contaminated PPE
- Implementation of the provisions of the Environmental Incident Response Plan
- General public relations and the need for exemplary courtesy and behaviour of all Site staff towards the public.

7 ENVIRONMENTAL CONSTRAINTS

7.1 ENVIRONMENTAL PROTECTION AREAS

The site does not sit within an environmentally protected area but it is located adjacent to Bedelands Farm Local Nature Reserve (LNR) on the east side of Burgess Hill.

7.2 ECOLOGY

Several ecological surveys have been undertaken which confirmed site presence of protected species, namely Hazel dormice and badgers. Surveys were carried out for other species, though no protection requirements have been outlined. The ecological surveys carried out across the site include:

- Hazel dormouse surveys by AECOM in 2019
- Bat roost suitability by AECOM in 2019, updated for Pond 22 in 2023 and Foul Water Pumping Station in 2024
- Bat activity by AECOM in 2019
- Badger survey by AECOM in 2019 (updated for Pond 22 in 2023, and the Foul Water Pumping Station in 2024)
- Great crested newt survey by AECOM in 2019, with some ponds updated in 2022 as reported for Pond 22 and the Foul Water Pumping Station at Southern end of Plot 1C
- Reptile survey by AECOM in 2019, updated for the Pond 22 site only in 2023
- Wintering birds by AECOM in 2018/2019
- Breeding birds by AECOM in 2019
- Otter & water vole by AECOM in 2019 (note: this was updated for Pond 22 just upstream by AECOM in 2023, no signs present)
- Walkover conducted by AECOM of the Pond 22 site in 2023
- Walkover conducted by AECOM of the Foul Water Pumping Station site in 2024

Hazel dormice and badgers have been identified as the only protected species that exist on the site.

7.3 ARCHAEOLOGY AND CULTURAL HERITAGE

There are no Listed Buildings or Scheduled Monuments located on site. Archaeological investigations have been carried out on both sites with limited archaeological finds recorded. The most recent archaeological investigation concluded that “no significant development impacts upon archaeological remains is anticipated.” Therefore, no archaeological mitigation measures are required for the proposed works.

7.4 GROUND CONDITIONS AND CONTAMINATION

Previous ground investigations have not identified contamination within the soil on site.

7.5 WATER RESOURCES AND FLOOD RISK

Most of the site is situated within Flood Zone 1, with only the eastern boundary of the site existing within Flood Zones 2 and 3. The stream forming the eastern boundary of the site is variously known as Holmbush Gill or the River Adur (Burgess Hill).

7.6 AIR QUALITY

The site is not situated within an Air Quality Management Area (AQMA). The nearest AQMAs (Brighton and Hove AQMA 1 and 5) are located approximately 15.5km to the south of the site.

7.7 NOISE AND VIBRATION

The site is located approximately 500m north of urban development associated with Burgess Hill.

The A273 is located immediately to the west of the site. The Environmental Noise Directive mapping data does not show any significant noise levels from the A273 in the western part of the site. However, there is the potential for occasional noise and vibration impact on the area due to the movements of farm traffic and other heavy goods traffic. These will be assessed during background noise and vibration monitoring prior to work commencement.

7.8 SENSITIVE RECEPTORS

The receptors which are considered potentially sensitive to the works have been identified and are summarised in Table 3.

Table 3 - Summary of adjacent sensitive receptors

Category	Sensitive Receptor / Land Use
Residential	Nearby residents (Burgess Hill to the south)
Other	Local businesses (The Oak Barn Bar and Restaurant to the southeast) Local education (International Bible Training College and West Sussex Alternative Provisions College to the west)
Transport and Infrastructure	Local highway network (A273, Holmbush Avenue, Eastbridge Avenue)
Ecological Features and Habitats	Presence of protected species onsite (Hazel dormouse and badgers).
Watercourses	Stream is located on the eastern boundary of the site.

8 MITIGATION AND CONTROL MEASURES

8.1 INTRODUCTION

This section sets out the mitigation and control measures that will be implemented during the works. These control measures will be used as guidance in the preparation of risk assessments and method statement which will in turn provide the appropriate mechanism for implementation on site.

The table contained within each subsection identifies the actions required to ensure that the mitigation measures are suitably implemented.

8.2 MITIGATION MEASURES

The measures outlined below will be implemented during all works, whilst completing risk assessment and method statements that will, in turn, provide the appropriate mechanism for implementation on site.

8.3 GENERAL MITIGATION

The general mitigation measures are detailed in Table 4 below. All Contractor actions will be shared with client team.

Table 4 - General Mitigation Measures

Proposed Mitigation	Contractor Action	Client Team Action
The works will be managed and controlled under the Construction (Design and Management) (CDM) Regulations 2015, which control health and safety and define responsibilities to appropriate project stakeholders.	Appropriate induction training for all site workers, including providing key workers with a copy of the CEMP and COSSH data sheets. The use of appropriate PPE for all on site works, including (where necessary) overalls, dust masks, gloves and protective eye wear.	Monitor situation and undertake spot checks
Records are to be kept of all plant and machinery used on the site, which are to be maintained at weekly intervals.	Keep a record on site, monitor situation and undertake spot checks.	Monitor situation and undertake spot checks.
All plant will be properly maintained (greased, blown silencers replaced, saws kept sharpened, teeth set and blades flat, worn bearings replaced, etc.) and not left running when not directly in use (strict no-idling policy).	Carry out daily visual inspections on plant.	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
Vehicle speeds on unpaved surfaces will be limited to the site specific speed limit.	Spot checks	Regular checks
The site will be securely fenced prior to the commencement of any site works. The site hoarding will be a minimum of 1.8m in height and of such a standard so as to deter trespassers.	All fences / hoarding shall be inspected daily by COGNITION and any defects or breaches will be rectified immediately. Site security shall undertake regular inspections of these fences / boundaries outside of working hours.	Regular reviews
Contractor's compound, plant and material stockpiles will be located away from nearby sensitive receptors including watercourses and surface drains and close to services to ensure clean water to welfare facilities where practicable.	Ensure best practice is used at all times.	Regular reviews
Fires will be strictly prohibited onsite.	Spot checks	Regular checks
Hot works permits will be issued when required.	Ensure all hot works are compliant with permits.	Regular checks
Designated routes for works vehicles will be implemented and used within and around the site.	Keep a record on site, monitor situation and undertake spot checks.	Monitor situation and undertake spot checks.
Deviation from approved method statements will be permitted only with prior approval from the Principal Contractor and other relevant parties.	A formal review will be undertaken before any deviations are undertaken.	Monitor situation and undertake spot checks.
Records of daily weather conditions will be kept.	Record daily weather conditions.	Monitor the records.

8.4 LANDSCAPE AND LIGHTING

The mitigation and control measures that shall be considered during the works to minimise impacts on the landscape and sensitive receptors are detailed in Table 5.

Table 5 - Control of Landscape and Lighting Effects

Proposed Mitigation	Contractor Action	Client Team Action
Where possible works will be restricted to daylight hours to avoid the potential for disturbance to people associated with mobile lighting.	Minimise the work needed to be carried out at night. Specified working hours, uses of lighting and the location of temporary floodlights will be agreed with Mid Sussex District Council.	Regular checks
The presence of cranes and higher-level lifting activity will be limited to necessary works only and the length of time required for scaffoldings will also be minimised.	Plan activities to limit the presence of tall plant and machinery on the site.	Regular checks
Any trees to be retained will be protected in accordance with BS 5837:2012.	Tree protection plans will be produced, showing root protection zones and the precise locations of protective barriers to form exclusion zones around the retained trees. The barriers to be used shall be fit for the purpose of preventing plant movements.	Regular checks
Lighting usage will be minimised and switched off when not in use. Night-time lighting will be avoided where possible and, where necessary designed to prevent light spill.	Ensure that the lighting is adaptable and switched off when not required unless specifically needed for works activities or for health and safety requirements.	Regular checks
Security and site lighting, which is required on a temporary or permanent basis through the night for security or safety reasons will be of a type with downward directional luminaries, low lighting columns (4-5m high) and low wattage luminaries to reduce light spillage and glare. Security lighting to be activated via motion sensor, and to automatically turn off after 1	Daily checks	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
minute maximum.		
Light fittings will comply with the specifications and the requirements of CIE 150 (2003) and CIE 126 (1997).	Ensure that the lights are directed into the centre of the Sites. Lighting will be located and directed in such a manner that it does not cause unnecessary distraction to road users.	Regular checks
The works area adjacent to footpaths or roads will be lit and clearly defined at all times during the operational hours of lighting to ensure the safety of motorists and pedestrians.	Daily checks	Regular checks
All retained vegetation in and around the site will be protected by fencing installed prior to works onsite and in compliance with BS 5837 (2012).	Daily checks	Regular checks
COGNITION's compound and material stockpiles will be located away from nearby sensitive receptors.	Daily checks	Regular checks

8.5 ECOLOGY

The mitigation and control measures that will be considered during the works to minimise impacts on the ecological receptors are detailed in Table 6.

Mitigation measures outlined within this CEMP reflect the requirements of Table 16-1 'Summary of Mitigation Measures from within the Technical ES Chapters' included within Chapter 16 - Mitigation Register, of the Environmental Statement Volume 1 (December 2018)' and are included herein as per the decision notice.

Table 6 - Ecology

Proposed Mitigation	Contractor Action	Client Team Action
General	Ensure that security lighting will be equipped with motion sensors (1 minute timer) and hoods/cowls to avoid upward light spill. Security	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
	lighting will use LEDs and will be positioned such that light spill onto hedgerows, trees, the stream to the east of the working area and retained woodland is avoided	
Employ a qualified, licensed ecologist to undertake a Hazel dormouse survey (if required, and the works area is not covered by an existing recent survey) and update the dormouse licence masterplan. The ecologist will apply to Natural England for a Hazel dormouse European Protected Species Mitigation License. Works on site will not be undertaken before the acquisition of a Hazel dormouse European Protected Species Mitigation License	Ensure all works are carried out in accordance with the Hazel dormouse European Protected Species Mitigation License and the dormouse licence masterplan.	Regular checks and keep copies of the documentation.
Remove all habitats that are suitable for supporting Hazel dormice. Vegetation clearance will be completed in two stages under a watching brief provided by a qualified and licensed ecologist. Stage one will involve removing all above ground habitat between November and March. Stage two will involve the removal of stumps between April and May.	Ensure that habitat removal is carried out between the specified dates.	Regular checks
Employ a qualified, licensed ecologist to undertake a badger survey and prepare a Badger Mitigation Strategy. The ecologist will apply to Natural England for a Badger License. Works on site will not be undertaken before the acquisition of a Badger License.	Ensure all works are carried out in accordance with the Badger Licence and the Badger Mitigation Strategy.	Regular checks and keep copies of the documentation.
Construct an artificial badger sett in a dedicated artificial badger set location. Once completed, the existing badger sett will be closed by installing one-way gates and allowing for at	Checks to ensure badgers have not broken into the sets during the 21 day period. Within 6 months prior to the	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
least 21 days for badgers to exit the sett. If badgers break in during this period, one-way gates will be installed and left for an additional 21 days. Badger sett closure will take place between 1 st July and 30 th November in accordance with Natural England regulations.	commencement of the works, a pre-construction badger check will be carried out to confirm that badgers no longer exist within the working area. Ensure that badger sett closure is carried out between the specified dates.	
Establish an exclusion zone preventing heavy machinery from tracking within 10m of badger setts, and excavation works will not occur within 20m of badger setts without a licence.	Ensure no plant enters the 10m exclusion zone and no excavations occur 20m without a licence.	Regular checks
Remove all vegetation that is suitable for supporting reptiles. Vegetation clearance will be completed in two stages under a watching brief provided by a qualified and licensed ecologist. Stage one will involve reducing vegetation to a height of 150mm, followed by a cut to ground level after 24 hours following confirmation from the ecologist that the area is free of reptiles. Ensure that grassland is maintained at 50mm or below to discourage reptiles from re-entering the area.	Regular checks to ensure that grasslands do not exceed 50mm in height. Trimming if grasslands reach 50mm.	Regular checks
Remove all habitats that are suitable for supporting nesting birds between October and February. Habitat removal outside of this period may be completed if accompanied by a nesting bird check provided by a qualified and licensed ecologist.	Ensure that habitat removal is carried out between the specified dates. Ensure nesting bird check is completed and nesting birds were not identified prior to habitat removal outside of these dates.	Regular checks
Employ a qualified, licensed ecologist to undertake a bat roost suitability assessment of all trees existing on site to ensure no features suitable for roosting bats are present. Any trees identified as suitable to support roosting bats will	Prior to commencement of the works, the ecologist will issue a toolbox talk to educate the workforce on bats. Ensure trees identified as suitable to	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
be retained throughout the works.	support roosting bats are retained.	
Any protected species identified during the works (badgers, Hazel dormice, roosting bats, nesting birds, reptiles) are to be reported to project management and the relevant advisory body is to be contacted.	Ensure any encountered protected species are documented and reported to the relevant advisory body. Ensure that works are stopped in the area the protected species are encountered, and suitable protection is implemented (i.e. an exclusion zone for nesting birds).	Regular checks
Daily inspections to ensure mammals are not trapped in excavations etc. RSPCA assistance to remove all found trapped.	Daily inspections to be undertaken.	Regular checks
All deep excavations will be ramped, and pipework capped during the hours of darkness to minimise mammals becoming trapped within the site.	Daily inspections to be undertaken.	Regular checks
All site operatives will be educated in the importance of the surrounding habitats and protected species.	Monitor and record induction training.	Monitor and undertake spot checks.
A copy of the strategies for the identified protected species (Hazel dormice, badgers) will remain available on site at all times.	Ensure mitigation strategies are provided on site at all times.	Monitor and undertake spot checks.

Proposed Mitigation	Contractor Action	Client Team Action
Initial site briefings and toolbox talks will be undertaken to explain the specific ecological requirements and mitigation strategies, with regard to the identified protected species onsite. The talk will include identification, legal protection and safe working practices to be adhered to.	Ensure toolbox talk is delivered and record training.	Monitor and undertake spot checks
Material shall not be stored within vegetated areas if possible. If it is not possible to avoid vegetated areas for storage/stockpiling, an appropriate area for use shall be identified.	Follow procedures set out within the reptile Mitigation Strategy alongside daily checks.	Monitor and undertake regular checks.

8.6 TRANSPORT AND ACCESS

The mitigation and control measures that will be considered during the works to minimise impacts on the existing road network and pedestrian routes are detailed in Table 7.

Table 7 - Transport and Access

Proposed Mitigation	Contractor Action	Client Team Action
Traffic associated with the works will be managed through the Traffic Management Plan (TMP), which will set out measures to control vehicle movements and visitors to site.	Creation and implementation of traffic management procedures.	Regular checks
Identified routes for all remediation and traffic to be agreed with Mid Sussex District Council prior to commencement of works. This will reduce the likelihood that vehicles will pass along sensitive roads (i.e. residential roads, congested roads, via unsuitable junctions).	Monitor situation. Traffic will be prohibited from using any side roads off the designated route.	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
The delivery of goods will be managed to ensure that arrival times occur outside of any sensitive periods and created to ensure that they are spread throughout the day. No deliveries will be accepted outside of the normal site working hours and vehicles will not be allowed to wait outside the site on the public highway.	Monitor and record deliveries	Regular checks
All vehicle movements on the site will be confined to designated haul roads and a one-way system will be in operation. Vehicles will not exceed the site-specific speed limit.	Monitor the situation. Persons reported for excessive speeding will be banned from driving on site. COGNITION will be responsible for ensuring that traffic management arrangements will be briefed as part of the site induction.	Regular checks
Vehicles will be kept to hard standing and roadways at all times. All hard standing and roadways used for vehicles entering, parking or leaving the site will be kept clean and in a maintained state, this will also include the site compound.	The surrounding highways and entrance and exit to the site will be inspected regularly for mud and debris.	Regular checks
All persons working on or visiting the site will park in the designated areas on the site and sufficient space will be provided to ensure this.	Ensure that sufficient space is provided for parking on the site.	Regular checks

8.7 AIR QUALITY AND DUST

The mitigation and control measures that will be considered during the works to minimise impacts on the ecological receptors caused by dust are detailed in Table 8.

Table 8 - Control of Dust

Proposed Mitigation	Contractor Action	Client Team Action
Liaison with Mid Sussex District Council will be maintained throughout the works and any incidents which lead to excessive elevation of dust deposition at neighbouring sensitive receptors are reported to the Environmental Health Department. In addition, nearby residents will be notified that dust emergence is being controlled on the site.	Any complaints received from local residents will be documented in a diary or log held on site by the Site Manager or Liaison Officer. IAQM limits and thresholds will be applied until Baseline monitoring is complete	Regular review
Visual checks for windblown dust will be undertaken as well as weekly dust monitoring.	Monitor the situation and apply mitigation measures when applicable	Act on dust monitoring data as required
Limit the area(s) of working so that vehicles are confined within an area that can be subjected to appropriate dust control.	Ensure that no dusty activities are undertaken within this control zone.	Regular checks
Use of appropriately designed vehicles for material handling.	Ensure that best practice is used at all times.	Regular checks
Material stockpiles will be enclosed if required and dusty materials will be dampened using water sprays and/or sheeted during dry weather.	Provide facilities to enable water spraying on dry and windy days to suppress dust.	Regular checks
Stockpiles will be located as far as possible from sensitive properties, taking account of the prevailing wind direction.	Ensure that stockpiles are appropriately located within the site.	Regular checks
The roads will be maintained to minimise mud and dust build up. Surfaced and un-surfaced site access roads will be watered as necessary using a water bowser and surfaces kept in order.	Regular inspection of local highways and boundaries of the site to check for dust deposits (evident by soiling and marking) on vegetation, cars and other objects, taking remedial measures where necessary i.e. mechanical road sweepers. Inspections will be carried out on	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
	a daily basis during the working week, or more frequently depending on the nature of the activity being undertaken.	
Vehicles carrying loose aggregate, fill materials or contaminated materials to and from the site should be sheeted at all times.	Carry out visual inspection on vehicles leaving the Site.	Regular checks
Smoke emissions or fumes from site plant or stored fuel will be limited.	Ensure best practice is used at all times.	Regular checks
Vehicles will be kept clean through the use of wheel washers as appropriate, particularly on departure from the site onto the public highway. In instances where space restrictions prevent wheel washers, consideration of alternative mitigation will be applied.	Ensure wheel washing facilities are used and put in place procedures for ticketing vehicles	Wheel washing and road sweeper as and when required
Screening of earthworks and perimeter landscaping, where appropriate shall be completed to provide a physical barrier between the site and the surroundings.	Locations to be agreed. Regular checks.	Regular checks
A bowser will be operated during periods of dry weather to keep site roads damped down to prevent dust being blown into the air by wind or passing vehicles.	Ensure that the bowser is available and used during dry periods.	Regular checks

8.8 NOISE AND VIBRATION

The mitigation and control measures that will be considered during the works to minimise impacts on the ecological receptors caused by noise and vibration are detailed in Table 9.

Table 9 - Control noise and vibrations

Proposed Mitigation	Contractor Action	Client Team Action
The proposed working hours for the works will be agreed in advance with the local authority and strictly adhered to throughout, unless in an emergency.	Ensure that the proposed working hours are adhered to.	Regular review
Drop heights are to be minimised and chutes are to be used where possible.	Protocols and method statements to be agreed prior to works commencing.	Regular checks
Silencers or mufflers as appropriate to be fitted to plant and machinery.	Weekly checks	Regular checks
Plant known to emit noise strongly in one direction will, where possible, be orientated so that the noise is directed away from the designated site.	Monitor and ensure plant are orientated accordingly where practicable	Regular checks
Consideration will be given to temporary screening or enclosures for static noisy plant and equipment to reduce noise emissions and plant should be certified to meet any relevant EC Directive standards.	Ensure best practice is used at all times.	Regular checks
The quietest possible plant that can reasonably practicably be obtained will be used for each construction task.	Monitor and record noise levels on a weekly basis. Where possible, electrically driven equipment will be selected in preference to internal combustion powered, hydraulic powered equipment.	Regular checks
Use of radios, other sound systems or tannoy's will not be permitted anywhere on the site.	Enforce the ban on radios or other sound systems or tannoy's.	Regular checks
Any cutting tools will be well maintained and kept sharp to	Monitor state of equipment	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
reduce frictional noise.		
All necessary lubrication will be carried out in a timely fashion to reduce noise.	Ensure best practice is used at all times.	Regular checks
Loading and unloading vehicles, dismantling or equipment such as scaffolding or moving equipment or materials around the Site will be conducted in such a manner as to minimise noise generation.	Ensure best practice is used at all times.	Regular checks

8.9 SURFACE WATER

The mitigation and control measures that will be considered during the works to minimise impacts on existing sensitive surface water receptors are detailed in Table 10.

Table 10 - Control of emissions to water

Proposed Mitigation	Contractor Action	Client Team Action
All necessary agreements or consents for the discharge of water from the site will be obtained.	Obtain all necessary agreements and consents	Ensure that the agreements and consents are in place and being adhered to.
All spills, regardless of size, are to be reported.	Report all spills to the project management.	Regular checks on records of spills.
Fuel, oil or chemical storage required during the works will be stored on impervious bases of appropriate capacity and will be located away from watercourses in accordance with the Environment Agency's PPGs 1, 2 and 7 as well as COSHH Regulations 2002 and the Control of Pollution (Oil Storage) Regulations 2001.	Ensure that fuel, oil or chemical storage occurs within impervious bunds to prevent spillage or leaks. Undertake training and provision of spill kit as required.	Regular review.
Stockpiled materials to be stored away from the adjacent stream.	Manage and monitor.	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
Any refuelling of mobile plant and machinery will be undertaken in a designated area away from watercourses and surface drains and supplied with appropriate spill kits and bunded bowser.	Monitor the refuelling of plant and machinery.	Regular checks
All mobile plant will have drip trays or the equivalent under them to prevent any leaks getting to the ground.	Regular checks and enforcement of the use of drip trays or the equivalent.	Regular checks
The handling and storage in a secure lock-up of potentially hazardous liquids on site e.g. fuels and chemicals are to be controlled and best practice guidance from the Environment Agency is to be applied.	Monitor the handling and storage of the hazardous liquids on site. A Spillage Response Plan will be developed and implemented. Induct all new staff and keep records.	Regular checks
Biodegradable hydraulic oil to be used for machinery / plant where possible.	Control records to be kept	Regular checks
Operational outlets to the public sewers to be protected from debris and filters / screens / sumps employed.	Daily checks	Regular checks
All drums and barrels will be fitted with flow control taps and will be properly labelled.	Weekly checks	Regular checks
Monitoring will be undertaken to assess the release (if any) of particulates to watercourses (with particular attention paid to fine clay particles in suspension).	COGNITION will control, monitor and mitigate, as necessary.	Regular checks

Proposed Mitigation	Contractor Action	Client Team Action
The drainage will be monitored daily and active measures will be required under this CEMP to ensure that no contaminated arisings from site discharge accidentally. Where required, additional mitigation measures shall be constructed. Any such measures will be set out within a modified CEMP and agreed in advance with an appropriate monitoring and desilting plan to ensure that any such measures remain effective.	Daily checks to be undertaken and mitigation to be implemented and controlled as necessary	Regular checks

8.10 LITTERING AND WASTE

The mitigation and control measures that will be considered during the works to minimise impacts of waste generated during the works are detailed in Table 11.

Table 11 - Control of Littering and Waste

Proposed Mitigation	Contractor Action	Client Team Action
The waste hierarchy will be adhered to throughout the works. All waste records will be kept on Smart Waste system with regular KPI reports available.	The key performance indicators specifically for waste will be agreed with Mid Sussex District Council prior to the commencement of works.	Regular checks and keep copies of the documentation.
Any waste material arising the works will be retained and stockpiled where possible to incorporate such materials into the earth works.	Implementation of good practice measures in terms of on-site materials storage and waste segregation to assist in maximising reuse and recycling rates and help ensure that high standards are maintained throughout the process.	Regular checks
Suppliers of raw materials will be committed to reducing surplus packaging associated with the supply of any raw materials.	COGNITION will undertake improved procurement and consultation with selected suppliers regarding commitments to waste minimisation, recycling and the emphasis on continual improvement in environmental performance.	Regular checks and keep copies of the documentation.

Proposed Mitigation	Contractor Action	Client Team Action
Carriageways and footpaths on and in the vicinity of the site are to be kept free of debris and litter.	Daily checks	Regular checks

9 ENVIRONMENTAL INCIDENT REPORTING AND AUDITING

9.1 GENERAL

An 'environmental incident' is any incident that, by its scale or nature, will have a negative effect on the environment. Such an effect is likely to result in a breach of environmental law, either by pollution to the environment or by endangering wildlife. As there are no restrictions on what constitutes an environmental incident, the system in place must remain flexible.

In accordance with 'Environment Agency Pollution Prevention Guidance 21: Pollution Incident Response Planning', an emergency pollution response plan is to be implemented on the site.

The Project Manager and COGNITION's Environmental Manager will be informed of any environmental incidents by the appropriate site supervisor. All environmental incidents, dangerous occurrences or near misses will be recorded by COGNITION on an Accident/Incident Report form. Once the incident is reported and recorded, actions will be identified to avoid a recurrence, and the site procedures will be updated accordingly.

In the event of a serious pollution incident the person in charge of the operation will immediately notify the relevant COGNITION Director. All serious environmental incidents, dangerous occurrences and/or near misses will be thoroughly investigated by the relevant managers, assisted by COGNITION's environmental representatives, to establish the facts, the reasons for the incident and make recommendations to prevent recurrence. COGNITION will cooperate with all accident/incident investigation and enquiries as required by the Client. A report including photographs and witness statements will be forwarded to the Contract Administrator.

All accidents/incidents, dangerous occurrences and near misses will be reviewed by the Environmental Manager and where necessary changes to working practices/procedures will be implemented.

The following list details some of the incidents which, if not properly managed, may potentially occur:

- Leaking or poorly maintained machinery with no drip tray
- Improper storage of chemicals
- Incident leading to pollution of land, air or water
- Incorrectly labelled or unlabelled waste, which may potentially be special (i.e. dangerous) waste
- Waste left in an unsuitable and unsafe place; and,
- Disturbance to Hazel dormice or badgers

9.2 POLLUTION INCIDENT RESPONSE PLAN

In accordance with the Environment Agency's Pollution Prevention Guideline PPG21, an emergency pollution incident response plan is to be implemented. This plan will take account of procedures laid down in PPG18 and PPG22. This is to include (amongst others) the following provisions:

- Contact list

- Site drainage plan
- Site chemical, product and waste inventory
- Emergency procedures

9.3 MONITORING AND AUDITS

COGNITION will undertake monitoring and auditing as necessary to implement the described mitigation. Records of any monitoring undertaken, e.g. noise, vibration, dust and water quality will be forwarded to the Environmental Manager. Additional ad-hoc monitoring may be undertaken by the Client where applicable.

9.4 CONTROL OF NON-CONFORMANCE

Non-confirming products or processes will initiate a Non-Conformance Report, which will identify the nature of the problem, the proposed corrective action taken to prevent recurrence of the problem and verification that the agreed actions have been carried out.

10 COMMUNICATION AND COORDINATION

10.1 GENERAL

This section describes the main methods of communication and co-ordination of day-to-day activities during the works. Additional informal methods of communication and co-ordination will be undertaken as appropriate other than those highlighted below.

10.2 INTERNAL COMMUNICATION

Internal project communications will be via two processes:

- Regular environmental meetings
- Informal on-site communication

10.3 REGULAR ENVIRONMENTAL MEETINGS

Regular environmental meetings, either weekly or fortnightly as appropriate will be held with the site staff to review performance and coordinate short term planning of forthcoming activities. Environmental specialists and the ecologist may attend as required.

Environmental management representatives will use these meetings to report on the findings of their inspections together with any systematic or recurring issues. Actions from these meetings will be recorded via minutes.

10.4 INFORMAL ON-SITE COMMUNICATION

Daily briefing / updates will be informally discussed between the **COGNITION**'s Environmental Manager, Project Manager and Site Foreman to discuss changes in program, issues with activities and potential risk to the environment.

10.5 COMMUNICATIONS WITH THE PUBLIC

Managing communications with residents and interested parties will be the responsibility of **COGNITION**'s External Relations Officer.

In the event of unusual activities or events that can be anticipated, Mid Sussex District Council and the relevant owners, occupiers and neighbours will be notified at least 14 days in advance of the activity especially where the activity may cause a loss of amenity. The relevant activities will be determined by agreement with Mid Sussex District Council once the detailed program for the works is defined and will include:

- Any necessary nighttime working (although none is currently envisaged)
- Weekend or evening working (outside core areas) of a type which may affect properties
- Road or footpath closures / diversions and movements of wide loads
- Work on roads affecting land used by others

Any complaints will be logged on-site and, where necessary, reported to the relevant individual with Mid Sussex District Council as soon as practicable. The required actions to remedy the situation will be different in each specific case, depending on the operation, equipment or location or application of additional controls.

11 SUSTAINABILITY

11.1 MATERIALS

COGNITION will ensure all materials imported to and used on the site are manufactured in accordance with ISO 14001. Materials will be audited for ISO 14001 accreditation prior to delivery to site to ensure all materials delivered to the site are suitable, and returning materials/double delivery of materials is avoided.

11.2 FUEL USAGE

COGNITION will minimise fuel wastage on site by enforcing best practices when using plant. **COGNITION** will enforce a 'no-idling policy,' where all plant will be turned off when not in use. All plant will correctly be maintained, and AdBlue systems will be maintained to ensure efficiency. Only Stage IV NRMM compliant (or newer) plant will be used on site.

When additional staff is required on site, **COGNITION** will hire staff from the local area to reduce emissions generated during commuting.

11.3 WASTE

COGNITION will segregate all waste generated on site where possible, and all waste will be disposed off-site through correct waste streams, with recycling being prioritised wherever possible. Where possible, **COGNITION** will reuse materials on site to minimise the disposal of site-won materials, and the import of new materials to the site.

12 SUMMARY

COGNITION will ensure that the works are carried out in accordance with this CEMP. This CEMP will remain as a live document and will be updated throughout the project as required.

APPENDIX 1

PROGRAMME

