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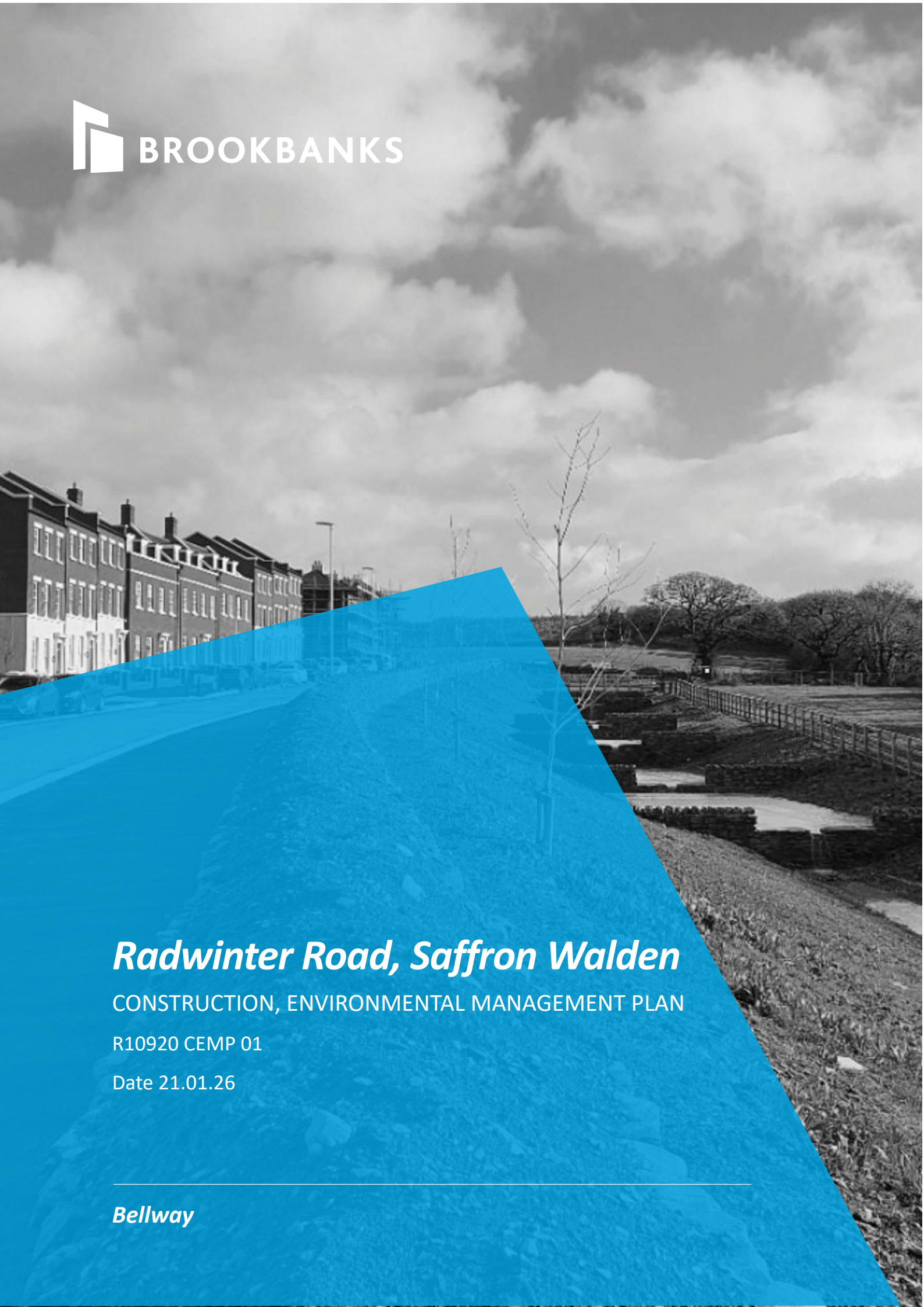

Radwinter Road, Saffron Walden

CONSTRUCTION, ENVIRONMENTAL MANAGEMENT PLAN

R10920 CEMP 01

Date 21.01.26

Bellway

Control Sheet

Document Title	Construction, Environmental Management Plan
Document Ref	R10920 CEMP 01
Project Name	Radwinter Road, Saffron Walden
Project Number	R10920
Client	Bellway

Document Status

Rev	Issue Status	Prepared / Date	Checked / Date	Approved / Date
0	Draft	AE 21.01.26	M.A'Lee 22.01.26	M.A'Lee 22.01.26

Issue Record

Name / Date & Revision	22.01.26					
Bellway	0					

Contents

1 Introduction

1.1.1 Brookbanks is appointed by Bellway to prepare a Construction, Environmental Management Plan (CEMP) to discharge Condition 10 of the planning permission in relation to construction of 233 new homes and associated access at Radwinter Road, Saffron Walden(planning Ref: UTT/21/2509/OP).

1.1.2 This document provides information in relation to the planning and implementation of construction activities with the purpose to reduce the risk of adverse impacts of construction on sensitive environmental resources and to minimise disturbance to local residents. The objective of this report is to demonstrate that appropriate checking, monitoring and audit processes will be implemented to ensure works are undertaken in an appropriate manner, together with measures to ensure that appropriate corrective actions or mitigation measures are taken.

1.1.3 The Principal Contractor will establish working practices and procedures to further augment and support the construction activities.

1.1.4 This document should be read in conjunction with the Construction Management Plan.

1.1.5 This report summarises the findings of the study and specifically addresses the following:

- Planning of works
- Site specific and environmental control measures
- Control of construction processes

1.1.6 For the avoidance of doubt, all construction workers and staff including subcontractors, will be made aware of the working practises included within this document.

2 Site History

2.1.1 The Site comprises a rectangular piece of land measuring circa 18ha to the east of Saffron Walden. The site is currently in arable agricultural use. A track is located to the north of the existing building and runs from east to west and a drainage ditch runs parallel to the track.

2.1.2 The permission sought approval for 233 new homes including affordable housing, with public open space, landscaping, sustainable drainage system (SuDS) and associated works, with vehicular access point from Radwinter Road.

2.2 Planning Background

2.2.1 The planning permission included Condition 10, referring to the production of a CEMP, which aims to mitigate the environmental effects of construction processes. Condition 10 identifies a list of the necessary details to be provided. The primary requirements are indicated below.

(a) Risk assessment of potentially damaging construction activities

(b) Practical measures (both physical measures and sensitive working practices) to avoid or reduce impacts during construction (may be provided as a set of method statements)

(c) The location and timing of sensitive works to avoid harm to biodiversity features

(d) The times during construction when specialist ecologists need to be present on site to oversee works

(e) Responsible persons and lines of communication

(f) The role and responsibilities on site of an ecological clerk of works (ECoW) or similarly competent person

(g) Use of protective fences, exclusion barriers and warning signs

(h) The approved CEMP shall be implemented throughout the construction period in accordance with the approved details

(i) Provision of a Soil Management Plan

3 Planning of Works

3.1.1 The approved development will be constructed on a phased basis and is subject to reserved matters approval in relation to the development. The Principal Contractor will work closely with the Project Manager and will ensure that the measures set out within the CEMP are followed.

3.2 Roles & Responsibilities

3.2.1 The key roles and responsibilities are highlighted below:

- Project Manager: Appointed by Bellway to ensure the work takes place within the parameters as set out in the CEMP(Brookbanks - mail@brookbanks.com 0121 329 4330)
- Client's Environmental Manager: Appointed by Bellway and reports to the Project Manager. The key responsibilities include identifying the environmental competence of all contractors, reviewing method statements, reviewing construction activities and coordinating with the commissioned Environmental specialists. (Brookbanks Consulting – mail@brookbanks.com)
- Contract Manager: Appointed by the Principal Contractor, having the day-to-day responsibility for Health and Safety, Environmental and Quality performance throughout the construction period.
- Contractor's Environmental Manager: Appointed by the Principal Contractor and reports to the Contract Manager with the key responsibility to coordinate and manage all the environmental activities during the construction phase.

3.3 The Register of Environmental Impacts

3.3.1 The principal Environmental Impacts have been identified and will be developed into a formal register of Environmental Impacts through the design and implementation process. This register will comprise the various risks identified in the application together with any subsequent risks resulting from design development, the selected methods of working, changing site conditions etc. Risks will be identified, assessed and mitigated under the following general headings:

- External Traffic Routing
- Internal Vehicle Routes
- the Construction Operation and Delivery Times
- Construction Lighting
- Dust Suppression and Mud Control
- Noise Controls
- Site Compound Location
- Car Parking Arrangements
- Construction Vehicle Movements
- Landscape Character, Visual Amenity & Ecology
- Geology, Soils & Water
- Waste

3.3.2 The site specific environmental controls associated with the areas of potential impact are discussed further in the Construction Management Plan.

3.4 Risk Assessments

3.4.1 All activities undertaken on site will be subject to a risk assessment. Risk assessments will be undertaken by trained staff following an approved procedure which will:

- Identify the significant environmental and Health & Safety impacts that can be anticipated
- Assess the risks from these impacts
- Identify the control measures to be taken and re-calculate the risk
- Report where an inappropriate level of residual risk is identified so that action can be taken through design changes, re-scheduling of work or alternative methods of working in order to reduce the risk to an acceptable level
- The results of risk assessments, and their residual risks are only considered acceptable if; the severity of outcome is reduced to the lowest practical level; the number of risk exposures are minimised; all reasonably practical mitigating measures have been taken, and the residual risk rating is reduced to a minimum
- The findings of the risk assessment and in particular the necessary controls will be explained to all operatives before the commencement of the relevant tasks using an agreed instruction format

3.5 Method Statements

3.5.1 Implementation method statements will be completed by the Principal Contractor and/or Sub-Contractor by trained engineers or other appropriate experienced personnel, in consultation with specialists. Their production will include a review of the environmental / Health & Safety risks and commitments, so that appropriate control measures are developed and included within the construction process.

3.5.2 Method statements will be reviewed by the Principal Contractor / Clients Environmental Managers and, where necessary, by an appropriate environmental specialist. Where appropriate, method statements will be submitted to the regulatory authorities as required. Method statements will contain as a minimum:

- Location of the activity and access/egress arrangements
- Work to be undertaken and methods of construction
- Plant and materials to be used
- Labour and supervision requirements
- Health, safety and environmental considerations
- Permit or consent requirements

4 Construction Processes

4.1.1 The construction works will involve several construction disciplines as described within this Chapter. These principles apply equally to all construction activities.

4.2 Initial Site Setup

4.2.1 The initial Site setup will establish the Site compound required to support the construction works, including temporary Site offices and welfare facilities. Additionally, parking provision, temporary water, power and telecoms supply will be set up as required.

4.2.2 A fuel storage area is to be set up, located within the Site compound, which will be double bunded to prevent contamination during refuelling and filling operations. A permanent perimeter fence will be installed where this is required for safety and security reasons.

4.2.3 The Principal Contractor will identify the location of compound and associated parking/delivery areas. The location will be selected to minimise the impact on sensitive receptors including occupiers of the development.

4.3 Earthworks

4.3.1 The bulk earthworks will require the transportation of material across the Site and will require the use of excavators and earth moving equipment. Careful design of the earthwork's operations will ensure the movement of material across the Site is minimised.

4.3.2 The earthworks strategy for the Site provides a risk assessment and method statement covering all aspects of their work that have the potential to mobilise soil/sediments or block open watercourses, including the stripping of topsoil for reuse, the raising of land levels and details for temporary soil storage.

4.3.3 All works will be carried out in full compliance with the Department for Environment, Food and Rural Affairs (DEFRA) guidance outlined in the Construction Code of Practice for the Sustainable Use of Soils on Construction sites (2009). This guidance provides detailed instructions on the proper use, management, and movement of soil onsite to minimise environmental impacts. By adhering to these practices, the project aims to prevent the mobilisation of sediment and safeguard surrounding watercourses from potential pollution, ensuring that soil management is both sustainable and protective of the local environment.

4.4 Installation of Drainage and Services

4.4.1 The delivery of the Site will require the construction/provision of foul and storm drainage, electricity and water supplies, potentially some gas services, ductwork for telecommunication links/ fibre optics/ lighting cables. This will require the use of excavators.

4.5 Highway Construction

4.5.1 Through the construction of the road structure, compaction machinery will be required and will involve the importation of pre-prepared road construction materials.

4.6 Buildings Construction

4.6.1 The construction of the housing will require the import to Site of numerous types of materials including bricks, concrete blocks, wooden roof frames, roof tiles, windows/doors, stairs and materials for the internal fixtures including bathrooms/kitchens, building services and heating systems. Wherever possible, pre-formed and offsite construction activities will be used.

5 Site Specific Environmental Control Measures

5.1 Introduction

5.1.1 Chapter 4 briefly identifies the main construction processes that will be employed to deliver the approved development. As discussed in Chapter 2, this report is submitted to discharge Condition 10 of the outline permission for Radwinter Road, Saffron Walden and provides a site wide CEMP

5.1.2 Detailed strategies will follow for each of the subject areas identified within Condition 10.

5.2 Risk assessment of potentially damaging construction activities

5.2.1 As identified in Chapter Three risk assessments will be carried out throughout the construction process as and when necessary. The results of the initial risk assessment is presented below.

Hazard / Impact	Perceived Risk of resultant disruption(1 – 5 with 1 being lowest)	**Control Measure**
Congestion – Access roads not suitable wide enough for construction traffic	3	Consult highway authority use traffic marshals close liaison with supply chain and supplies supervision of deliveries vehicles vehicles to enter and exit the site in a forward gear
Safety of the public – interface construction traffic	4	Traffic management plans
Working in occupied environment	3	Use protective fencing if necessary Site inductions for all operatives and visitors supervision to be provided for all deliveries entering the site
Interaction with neighbours	2	Letter drops provide contact information for Principal Contractor
Moving plant / vehicle movements including deliveries	3	Warning signage to be displayed staff to be trained and competent PPE to be worn all times
Demolition works	3	Method statements to be required any risk of contaminants to be identified dust suppression to be considered noise mitigation plan if necessary
Working at height	2	Risk assessment to be carried out consider alternative means of construction trained personnel to establish access equipment
Excessive construction noise	4	Consider alternative means of working consider times of operation to minimise impact establish a noise mitigation plan

Manual handling	2	Job specific risk assessment carried out consider alternative means of construction provide lifting equipment provide staff training

Table 5-1 – Preliminary Risk Assessment

5.3 Practical measures to avoid or reduce impacts during construction

5.3.1 Practical measures to avoid or reduce inviting construction identified within the Construction Management Plan.

5.4 The location and timing of sensitive works to avoid harm to biodiversity features

5.4.1 All construction works are only permitted between:

- 0800 hours to 1800 hours Monday to Friday
- 0800 hours to 1300 hours on Saturday
- No works are permitted at any time on Sundays, Bank or Public Holidays, unless agreed in writing by the local planning authority or in accordance with agreed emergency procedures for deviation.

5.4.2 No deliveries of construction materials or plant and machinery and no removal of any spoil from the site or similar collections from the site shall take place before:

- 0700 hours or after 1900 hours on Mondays to Fridays
- Before 0800 hours or after 1400 hours on Saturdays

5.4.3 Based on the expected construction processes on site the majority of the works are likely to be completed within the hours identified above. However, should it be necessary to carry out works outside of the agreed hours indicated above, the Contract Manager will contact the LPA 21 days prior to the specific this risk of the works and will confirm as a minimum:

- Extent of works
- Location of works
- Expected duration
- Completion of a risk assessment

5.4.4 Following a request for construction works to be carried out outside the agreed hours the LPA will confirm approval to the works if required. If appropriate and requested by the LPA, a letter will be sent out by the Principal Contractor to neighbouring residents to inform them of the out of hours works, this will include a description of the proposed works and why they need to be undertaken out of hours, timescales for the works and contact details should there be any queries or complaints.

5.4.5 The table below identifies the significant periods through the year.

Issue	Timing
Reptiles	All year: October to March inclusive is the hibernation period so care would be taken to avoid hibernacula, including hedgerow roots. They are active between April to September.
Amphibians	All Year: February to July is the breeding season so they are present in waterbodies. August to January they are predominantly found in terrestrial habitat
Nesting birds	Nesting season - March to August inclusive
Bats	All year depending on what is being affected e.g. trees and buildings
Water voles	All year – main activity March to October
Badgers	All year
Dormice	June to September: care should be taken to avoid breeding nests in hedgerow and woodland canopies. October to March: care should be taken to avoid hibernation nests on the ground (hedgerow bases, disused mammal burrows etc.). Active and without dependent young April, May, Sept, Oct (temperature permitting)

Table 5-2 – Sensitive Times of Year

5.5 The times during construction when specialist ecologists need to be present on site to oversee works

5.5.1 The specialist ecologist will be consulted in the preparation of risk assessment or method statements that has the potential to impact an ecological asset, including any vegetation, grassland, trees, hedges or water courses. The construction programme will be provided to the ecologist. The ecologist will be given advance warning on any work to be carried out on an ecological asset who will attend site if necessary. The sensitive times of year being identified in the table above.

5.6 Responsible persons and lines of communication

5.6.1 The responsible people and fired earlier in this report. The site agent will be responsible for effective communication between the necessary construction staff. This will be carried out on a day-to-day basis supported by a monthly progress meetings.

5.7 The role and responsibilities on site of an ecological clerk of works (ECoW) or similarly competent person

5.7.1 The role of our the ECoW manager will be to control the following:

- Production of and input to key construction phase site documents

- Review all method statements and risk assessment produced
- Review Construction Management Plan
- Review any Environmental Management Plan
- Attendance at and input to site meetings
- Provision of toolbox talks and site inductions for the site personnel
- Provision of advice on the protection of ecological features and protected species mitigation measure
- Attendance on site when requested

5.8 Use of protective fences, exclusion barriers and warning signs

5.8.1 All trees and hedgerows that are to be retained will be protected by a suitable protection barrier during the construction period. This could include the provision of Heras fencing. The details of any barriers will be provided to the LPA. Any exclusion zones we identified by a similar system. All site operatives will be informed of any exclusion areas.

5.8.2 Appropriate 'No Access: Biodiversity Protection Zone' warning signage will be installed on any exclusion zones.

5.8.3 This exclusion barrier strategy will prevent inadvertent ingress by vehicles or other machinery or operatives and will ensure that there is no storage or other ancillary operations undertaken within the biodiversity protection zones. Regular daily inspection of the fencing barriers will be required to ensure that all the protective barriers remain intact throughout the construction period.

5.9 The approved CEMP shall be implemented throughout the construction period in accordance with the approved details

5.9.1 The site agent will retain this document on site at all times and will provide updates as and when necessary. All site operatives will be made aware of the CEMP and all construction activities will be carried out in accordance with the approved details.

5.10 Provision of a Soil Management Plan

5.10.1 Following the commencement of the works the site agent will be responsible for a production of a site plan that will indicate the locations of any stockpiles.

5.10.2 The following measures will be employed where necessary:

- Works should be planned and conducted to minimise the tracking of material from one area to another within the sites. Material should not be tracked onto external roads
- Spoil from excavations in areas in which potentially impacted material is known to exist must be managed appropriately to prevent the spreading of any potentially contaminated soil across the site
- If any contaminated materials (i.e., stained/odorous soils) are unexpectedly encountered the contractor should cease work in that area and secure the area until it is inspected

- Environmentally and geotechnically unsuitable materials, if encountered (e.g., loose fill, bricks, bitumen, slag) must be segregated, assessed, and either disposed off-site to licensed disposal facilities, or stockpiled in an approved location within the site
- All stockpiles must be constructed and maintained in a manner that will prevent potential harm to human health (i.e., contractors on site}, the environment, underlying soils, groundwater, and the stormwater system
- Top soil and subsoil will be stockpiled into separate heaps
- Storage heaps will be a maximum of 1.5 m high and 3m wide. Storage heaps will be formed by loose tipping without running machinery on the heap which causes compaction and ruins soil structure
- Seeding may be applied to stockpiles where they are likely to be in place for over six months. Other methods of stockpile protection may include covering with tarpaulin, to reduce the risk of run off

5.10.3 the following Storage heap protection measures will be employed across the site:

- Do stick not place any other material on top of storage heaps
- Do not allow construction plant to pass over storage heaps
- Prevent compaction and contamination, by fencing and covering as appropriate
- e of acoustic covers on machinery wherever practical
- Regular maintenance of plant and machinery
- Generators will be used during standard construction hours
- Construction contractors will be required to adhere to the code of practice for construction works given in BS5228 and the Control of Pollution Act 1974 to minimise noise emissions from the site.
- High frequency audible reversing alarms shall not be used on any vehicle, including sub-contractor's vehicles, working on the site. Alternative quiet means of safe reversing systems shall be used. White noise alarms are acceptable.

6 Summary

6.1.1 This site wide CEMP provides information in relation to the planning and implementation of the construction activities to reduce the risk of adverse impact of construction on sensitive environmental resources and to minimise disturbance to local residents.