



WHITE PEAK Planning

Draft Construction Environmental Management Plan

Land between Tamworth Road and Fivefield Road, Keresley, Coventry

Bellway Homes Limited

December 2018

Ref: 2018.013.018

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Authorised for and on behalf of White Peak Planning Ltd.

A handwritten signature in black ink, appearing to read 'Rob White', written over a light grey rectangular background.

**Rob White
Director**

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party. Any such party relies on this report at their own risk.



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1.0 Introduction

1.1 This Document

1.1.1 This document is a draft Construction Environmental Management Plan (CEMP) and has been produced by White Peak Planning on behalf of Bellway Homes.

1.1.2 The draft CEMP forms part of an Environmental Statement (ES) produced in support of an outline planning application to Coventry City Council (CCC) for a new residential development on land between Tamworth Road and Fivefield Road, Keresley, Coventry. The description of development is:

Outline planning application for the demolition of all existing buildings and the erection of up to 550 dwellings, and creation of associated vehicular accesses to Tamworth Road and Fivefield Road, pedestrian/cycle and emergency accesses, highway improvements to Fivefield Road, parking, landscaping, drainage features, open space and associated infrastructure, with all matters to be reserved except access points into the site.

1.2 Purpose and Content of this Document

1.2.1 The purpose of this draft CEMP is to provide a framework for the production of a detailed CEMP prior to construction of the development. It aims to provide evidence to WBC that the mitigation measures proposed within the ES will be delivered during the construction phase.

1.2.2 The draft CEMP firstly sets out the structure of the document, covering the following:

- Project Team Roles and Responsibilities;
- Summary of Procedures;
- Consents and Permissions;
- Generic Environmental Actions;
- Liaison and Consultation Requirements;
- Register of Variations; and
- Technical Schedules.

1.2.3 In Section 6, the draft CEMP then aims to clearly set out the site-specific actions that are required during construction to mitigate the potential environmental impacts identified in the ES. Table 6.1 sets out the following:

- Actions required in order to achieve the levels of residual environmental impact as stated in the Environmental Statement (ES);
- The purpose of each action;
- Who is responsible for the action; and

- Reference to the relevant section within the ES.

1.3 Guidance

- 1.3.1 The content of this draft CEMP has been informed by guidance produced by the Institute of Environmental Management and Assessment (IEMA)¹.
- 1.3.2 *Box 4.2: A good practice example of EMP structure on Page 29 has been used as the basis for this draft CEMP.*

(1) IEMA (2008) Environmental Management Plans, Practitioner, vol. 12.

2.0 Project Team Roles and Responsibilities

- 2.1.1 The specific detail of this section will be updated following the granting of planning consent, however, general requirements are set out below.
- 2.1.2 The Principal Contractor for the site will nominate a senior member of staff to supervise the activities on the construction site at all times when the site is operational. The appointed person will be responsible for ensuring that all legislation, codes and standards are adhered to.
- 2.1.3 The designated person from the contractor will be the first point of contact for members of the public or statutory bodies in the event that there are complaints or disturbance. Contact details should be clearly displayed on hoardings around the site. All complaints must be logged and appropriate action taken within five days. A written response must be provided within five days.
- 2.1.4 The project team will be appointed prior to construction commencing.

3.0 Summary of Procedures

- 3.1.1 The contractor shall prepare and maintain a set of emergency procedures and contacts which should be prominently displayed on the site at all times. Such procedures must be followed in the event of an emergency or breaching of CEMP measures.
- 3.1.2 The specific detail of this section will be updated following granting of planning consent.

4.0 Consents and Permissions

4.1.1 This section will provide a record of the consents within which the project is taking place, for example:

- Planning Permissions;
- Discharge Consents;
- Consents for the Disturbance of Protected species.

4.1.2 The specific detail of this section will be updated following granting of planning consent.

5.0 Generic Environmental Actions

5.1 Legislation, Codes and Standards

5.1.1 All site work will be carried out under the provisions of the Health and Safety at Work Act 1974. Health and Safety briefings will be made to all staff before they enter the site initially followed by regular updates and awareness raising.

5.1.2 There are numerous other topic-specific legislative documents, codes and standards that cover environmental and related matters which are applicable to this CEMP. Some of these are included below, but note that this is not an exhaustive list at this stage:

- The Control of Pollution Act 1974 (as amended)
- Wildlife and Countryside Act 1981
- Environmental Protection Act 1990
- Water Resources Act 1991
- The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017
- Flood and Water Management Act 2010
- Clean Air Act 1993
- The Construction (Design & Management) Regulations 2015
- Special Waste Regulations 1996 (as amended)
- Management of Health & Safety at Work Regulations 1999
- Control of Substances Hazardous to Health (COSHH) Regulations 1999 (as amended)
- Pollution Prevention and Control (England and Wales) Regulations 2000
- Countryside Rights of Way Act 2001
- Traffic Regulations and General direction 2002 (as amended)
- BS 5228:2009 – Code of practice for noise and vibration control on construction and open sites
- BS 5837 Guide for Trees in relation to Construction
- BS 6031 Code of Practice for Earthworks
- BS 6069 Characterisation of Air Quality
- Environment Agency's Pollution Prevention Guidelines (PPGs):
 - EA PPG01 General guide to the prevention of pollution;
 - EA PPG02 Above ground oil storage tanks;
 - EA PPG05 Works & maintenance in or near water;
 - EA PPG06 Working at construction and demolition sites;
 - EA PPG07 Refuelling facilities;

- EA PPG08 Safe storage & disposal of used oil;
 - EA PPG13 Vehicle washing & cleaning;
 - EA PPG18 Managing fire water & major spillages;
 - EA PPG20 Dewatering underground ducts and chambers;
 - EA PPG21 Pollution incident response planning;
 - EA PPG22 Dealing with spillages on highways;
 - EA PPG23 Maintenance of structures over water; and
 - EA PPG26 Storage & handling of drums & intermediate bulk containers.
- EA (2018) Temporary dewatering from excavations to surface water.

5.1.3 In addition to the above PPGs, construction will also be undertaken in accordance with the CIRIA guidance documents, including 'Report 156: Control of water pollution from construction sites – a guide to good practice' (2001) and 'Report C648 – Control of water pollution from linear construction projects' (2006) which provides additional detail on actions required to reduce the impact of construction works on the water environment.

5.1.4 The following website compiled by UK environmental regulators provides comprehensive environmental legislative guidance and basic requirements pertaining to demolition and construction works <http://www.netregs.gov.uk> which should also be accounted for.

5.1.5 Compliance with the CEMP will not absolve the contractors or their sub-contractors from compliance with all legislative requirements applicable at the time of construction activities. Wherever this draft CEMP makes reference to legislation, standards or codes it shall be the contractor's responsibility to ensure that the current versions are used at all times.

5.1.6 The contractors should be required to demonstrate that all site managers, supervisors, foremen and operatives together with security staff will be provided with the relevant training and awareness of site procedures and best construction practice. Appropriate equipment such as booms and absorption mats in the event of an accidental spillage or pollution incident will also be made available and easily accessible. The Environment Agency should be informed of all pollution incidents and action taken.

5.2 Standard Environmental Management System (EMS) Documents

5.2.1 This section will include details of standard documents contained within the proponent's/contractor's EMS relating to construction activities. This will include information on use and control of contractors etc.

5.2.2 The specific detail of this section will be updated following granting of planning consent.

6.0 Register of Site Specific Environmental Actions

6.1.1 *Table 6.1* provides details of the standard construction mitigation measures that have been proposed as part of the EIA. These measures are grouped by environmental topic and can be cross-referenced to the ES.

6.1.2 Each action contains the following information:

- Reference number;
- Purpose of the action;
- Detail of the action;
- Responsibility; and
- Reference to ES Chapter and Section.

Table 6.1 – Site Specific Environmental Actions				
Ref	Purpose of the Action	Detail of the Action	Responsibility	ES Ref
Flooding, Hydrology and Water Resources				
FHW1	Minimise flood risk from the Hall Brook	No structures, equipment or construction plant will be located within the flood extents of this watercourse.	Principal Contractor	ES Chapter 5, Section 5.5.2
FHW2	Prevent onsite flooding during construction	Prior to construction of each phase of development, a drainage system will be implemented to manage surface water runoff on the site. The drainage system will be a temporary system to manage runoff from specific areas of the site, or will be part of the final drainage system for the proposed development. The drainage system will store surface water on-site to ensure that flood risk is not temporarily increased off-site or downstream of the Hall Brook during construction.	Principal Contractor	ES Chapter 5, Section 5.5.2
FHW3	Mitigate against ground water flooding	If groundwater is encountered during site excavations, those areas will be temporarily dewatered and pumped out to reduce groundwater levels and the risk of flooding during construction. The pumped water will be discharged into the Hall Brook at the agreed greenfield runoff rate to ensure that this does not increase flood risk elsewhere. If a high level of groundwater is found in a localised area, a temporary drainage system may also be used to reduce groundwater levels.	Principal Contractor	ES Chapter 5, Section 5.5.2
FHW4	Prevent site flooding due to removal of pond storage during construction	The removal of the on-site existing artificial ponds will require a full assessment of their hydrological function, with existing surface water runoff entering the ponds diverted into a suitable drainage system. This drainage system will discharge into the Hall Brook at the agreed greenfield runoff rates to ensure flood risk is not increased downstream. Inlet pipes will be inspected by a CCTV survey to determine the source of the inlet pipe and whether the pipe is linked to on-site buildings to be removed or off-site areas. These inlets will either be removed or diverted into a drainage system depending on the findings of the CCTV survey. Water within	Principal Contractor	ES Chapter 5, Section 5.5.2

		the ponds will be pumped out at suitable rates before the ponds are filled in.		
FHW5	Prevent impacts on surface water receptors	<p>Site-specific risk assessments will be conducted to minimise the risk of a deterioration in water quality of the Hall Brook during the construction phase. Measures will be implemented to ensure that there is no increase in sediment loads or other pollutants within the site's surface water runoff. These measures will include the following:</p> <ul style="list-style-type: none"> • Minimise soil and sediment transfer into surface water runoff. Silt and sediment traps will be used where this is likely to be a hazard. • Storing plant machinery, fuel and materials away from the Hall Brook. • Keeping chemicals and fuels in a designated area which can contain spillages. Spill kits will be located next to these areas in case a spillage occurs. • Oil booms will be used in the Hall Brook watercourse to prevent fuel and other contaminants from flowing downstream. These will be regularly checked and contaminants within the oil boom removed. • At the end of construction, inspecting the drainage system to ensure that it is fully functional and removing silt and soil from the drainage system that may have accumulated during construction. 	Principal Contractor	ES Chapter 5, Section 5.5.2
FHW6	Prevent impacts on groundwater receptors	<p>If groundwater is encountered during construction, guidance for dewatering will be followed as published by the EA to ensure that there is no deterioration in water quality. A plan to cover this should be produced before construction is undertaken. The plan will include (but not be limited to) the following mitigation measures:</p> <ul style="list-style-type: none"> • Minimise silt entering groundwater from the construction. • No use of machinery in the close vicinity of groundwater excavations while dewatering is occurring. 	Principal Contractor	ES Chapter 5, Section 5.5.2

		<ul style="list-style-type: none"> Preventing surface water runoff from the site entering the groundwater excavation to minimise contamination. This will involve a temporary drainage system that diverts surface water runoff away from the excavation. 		
Biodiversity				
B1	To avoid impacts on new and retained and habitats	<p>Measures would include the establishment of Ecological Protection Zones (EPZs) within the site layout, protected by fencing and signage to prevent activities such as the incursion by vehicles or personnel, fires and stockpiling of materials.</p> <p>The risk of potential pollution events including spills, leaks and other incidents during the construction phase would be minimised through adherence to best practice such as the CIRIA publication 'Control of Water Pollution from Construction Sites' (CIRIA C532, 2001).</p>	Principal Contractor	ES Chapter 6, Section 6.5.2
B2	To avoid impacts on protected species	As a general measure aimed at protecting species, 'tool box talks' would be provided by a suitably qualified ecologist to the principal contractor, for distribution to all employees involved in enabling works/vegetation clearance, to ensure that identification and protection of the relevant species and their habitats is understood.	Principal Contractor with input from an experienced Ecologist	ES Chapter 6, Section 6.5.2
B3	To avoid impacts on birds	<p>Retained nesting habitats to be included within EPZs.</p> <p>Removal of potential nesting habitat to be undertaken outside the bird breeding season (namely September to February inclusive) unless a detailed survey by a suitably experienced ecologist has confirmed that no nests are present in the affected area immediately prior to works commencing.</p>	Principal Contractor with input from an experienced Ecologist	ES Chapter 6, Section 6.5.2
B4	To avoid impacts on bats	Retained trees with bat roost potential to be included within EPZs.	Principal Contractor with input from an experienced Ecologist	ES Chapter 6, Section 6.5.2

		<p>Restricted working hours and construction lighting designed to minimise disturbance to foraging and commuting habitats.</p> <p>In the unlikely event that any trees with bat roosting potential require removal or pruning, further investigations will be undertaken and if bat roosts are confirmed present, works would cease until an appropriate strategy is devised and agreed with Natural England. Other retained trees and/or proposed new buildings would provide ample opportunity to provide replacement roosting habitat to mitigate any losses thereby maintaining the favourable conservation status of the bat population and ensuring that a licence would be granted by Natural England in the unlikely event it is required.</p>		
B5	To avoid impacts on badgers	<p>Retained badger setts and buffer zones included in EPZs.</p> <p>Given the mobile nature of badgers and the potential intermittent use of the setts identified, an update survey by a suitably experienced ecologist to be undertaken prior to the commencement of construction, or site clearance.</p> <p>In the event that active holes are present within 20-30 metres of construction works at the detailed design stage, subject to ecological advice a licence may need to be agreed with Natural England prior to the start of works if the works may result in the disturbance or destruction of a badger sett (including ground investigation, demolition and clearance).</p>	Principal Contractor with input from an experienced Ecologist	ES Chapter 6, Section 6.5.2
B6	To avoid impacts on great crested newts	<p>Retain off-site pond and suitable buffer from pond within an EPZ.</p> <p>Provide suitable terrestrial habitat in and around the population to maintain their favourable conservation status. Specific measures for the protection of great crested newts during construction would also be set out within the ECMS</p>	Principal Contractor with input from an experienced Ecologist	ES Chapter 6, Section 6.5.2

		<p>and will be subject to agreement with the EPS licensing process with Natural England. Further details would be set out within the License and the ECMS including:</p> <ul style="list-style-type: none"> • retention and enhancement of a dedicated ‘receptor site’ within retained greenspace on-site in advance of construction, to include (but not limited to): formally installed hibernacula; suitable planting and/or management of existing terrestrial and aquatic habitat; creation of terrestrial and aquatic habitat; • No disturbance/removal of other hibernacula (log piles, boulders, rubble, tree/hedger roots, mammal burrows) within working areas between the period mid-October to mid-March inclusive when amphibians are in torpor (‘hibernating’) unless directly supervised/undertaken by the ECoW: • a careful program of sensitive vegetation clearance within working areas; • temporary exclusion of amphibians from working areas by the installation and operation of temporary amphibian fencing; • capture of amphibians using temporary amphibian fencing and placement of 0.5m x 0.5m carpet tiles and pitfall traps, during the active season (April to September inclusive); capture period to be agreed but likely to be a minimum of 30 days translocation of captured amphibians to the receptor site; • destructive search of refugia/hibernacula once the vast majority of the agreed capture period is completed; and • if confirmed breeding ponds are to be removed these will be ring-fenced with temporary amphibian fencing and a capture exercise undertaken including (but not limited to): pitfall trapping; bottle trapping for breeding adults; relocation of vegetation supporting great crested newt eggs; and draining down of the pond sensitively and carefully to protect remaining amphibians (or other wildlife). 		
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Cultural Heritage				
CH1	To mitigate effects arising from the demolition of the Second World War air raid bunker	A programme of historic building recording to no more than Level Two (as defined by Historic England, in Understanding Historic Buildings – A Guide to Good Recording Practice, 2016).	Archaeological contractor, to a methodology outlined in a Written Scheme of Investigation and under the curatorship of the Coventry City Council Archaeology Service.	Section 7.5.2
CH2	To mitigate effects arising from the demolition of the 19 th century stable block	A programme of historic building recording to no more than Level Two (as defined by Historic England, in Understanding Historic Buildings – A Guide to Good Recording Practice, 2016).	Archaeological contractor, to a methodology outlined in a Written Scheme of Investigation and under the curatorship of the Coventry City Council Archaeology Service.	Section 7.5.2
Landscape and Visual				
LV1	The adoption of an approved framework Construction Environmental Method Plan (CEMP) including an Ecological Construction Method Statement designed to avoid significant ecological effects, including those on key landscape features	CEMP to be prepared by Principal Contractor with appropriate inputs from appropriately qualified and experienced Landscape Architect and Arborist ECMS to be prepared by Principal Contractor with appropriate inputs from appropriately qualified and experienced Ecologist, with inputs from qualified and experienced Landscape Architect and Arborist	CEMP and ECMS to be prepared by the Principal Contractor for the discharge of the anticipated Planning Condition	ES Chapter 8, section 8.5.2
	To monitor the performance of contractors and ensure that landscape construction works are carried out in accordance with the drawings and specifications.	Unless otherwise stated, all landscape operations to be carried out in accordance with BS 4428:1989 Code of Practice for General Landscape Operation, and BS 7370 Grounds Maintenance (Parts 1 – 5, where applicable).	LMP and LS to be prepared by the Principal Contractor for the discharge of	ES Chapter 8, section 8.5.2

		<p>Landscape Management Plan (LMP) and Landscape Specification (LS) to be prepared by appropriately qualified and experienced Landscape Architect. This information will be contained within the CEMP and ECMP.</p> <p>Within the initial 5-year establishment period, all replacement plant stock to be in accordance with BS 3936 Part 1 (1992) and Part 10 (1990), and BS 3969:1998. All plant handling to be in accordance with Handling and Establishing Landscape Plants, HTA 1985, revised edition March 2002. This information will be contained within the CEMP and ECMP.</p>	<p>the anticipated Planning Condition</p> <p>LMP and LS to be prepared by the Principal Contractor for the discharge of the anticipated Planning Condition</p>	<p>ES Chapter 8, section 8.5.2</p>
LV2	<p>Protection of existing trees to be retained in accordance with British Standard 5837: '2012 Trees in Relation to Design, Demolition and Construction'</p>	<p>Unless otherwise stated, retention and protection of existing trees and hedgerows as per published best national guidance BS 5837: 2012 in line with the provisions identified within the prepared Arboriculture Method Statement (AMS)</p> <p>Unless otherwise stated, retention and protection of Ancient Woodland (where deemed to be adjoining the quantum of the site) to be in line with the published best national guidance: Ancient woodland, ancient trees and veteran trees: protecting them from development published by the Forestry Commission, last updated 5th November 2018.</p>	<p>AMS prepared as part of the EIA submission (?) and included in the Landscape ES Chapter 8, Technical Appendix 8.4. AMS to be prepared by appropriately qualified and experienced Arborist</p>	<p>ES Chapter 8, Appendix 8.4</p>
LV3	<p>The adoption of an approved topsoil and earthworks management plan (Soil Management Plan) including dust control measures</p>	<p>Identifies the nature of the soil, areas of potential difficulty in gaining access, working excavating or soil handling arising from the nature of the soil. Describes how works should be undertaken to minimise effects on the nature and quality of the soil.</p>	<p>Soil Management Plan (SMP) to be prepared by the Principal Contractor for the discharge of the anticipated Planning Condition</p>	<p>ES Chapter 8, section 8.5.2</p>
LV4	<p>The use of visual screening, such as hoardings for more sensitive visual receptors in proximity to the site, including residential receptors that have</p>	<p>Hoarding to site perimeter to screen open views into the Site, and maintain effective security of the Site</p>	<p>Principal Contactor</p>	<p>ES Chapter 8, section 8.6.1</p>

	the greatest potential to be affected by the proposed development.			
	Existing residents that live adjacent to the site would be more sensitive to construction lighting due to the proximity, direction and type of receptor. Mitigation measures for construction lighting are likely to include directional fittings and restricted hours of operation.	Lighting Mitigation Scheme prepared as part of the External Lighting Impact Assessment, Chapter 6	Prepared by a suitably qualified and experienced Lighting Engineer and submitted as part of the EIA submission	ES Appendix 8.5
Traffic and Transport				
TT1	Construction Travel Plan	A Construction Travel Plan (CTP) will be developed minimising the impact of staff travel to the site during construction. This CTP will be developed to include initiatives such as car sharing and sufficient parking/compound space in order to contain parking on site.	Principal Contractor with input from an experienced Transport Consultancy	ES Chapter 9, Section 9.5
TT2	Vehicle Routing Plan	A construction vehicle routing plan will be developed and agreed with CCC Highways – this will be developed to avoid major sensitivity receptor routes within the vicinity of the site and local area.	Principal Contractor with input from an experienced Transport Consultancy – to be confirmed and agreed with CCC Highways.	ES Chapter 9, Section 9.5
TT3	Agreed Hours of Construction Operation and Deliveries	Operational hours for the construction site, including specified time periods for the delivery of materials and equipment will need to be agreed. This will allow for the delivery of goods to/from the site to be controlled in order to minimise the impact on the local highway network and surrounding area (typically outside of AM, PM and school peak hours).	Principal Contractor with input from an experienced Transport Consultancy – to be confirmed and agreed with CCC Highways.	ES Chapter 9, Section 9.5

TT4	Wheel Washing Facilities / Road Sweeping & Cleaning	Details and location of wheel washing facilities to be provided to ensure that mud/detritus does not enter onto the local highway network. Wheel washing facilities should be used by all traffic associated with the construction of the development for the duration of the construction period. Similarly, road sweeping/cleaning will also be integrated during the construction period, to ensure that all internal roads and/or local highway roads are keep clear from mud/detritus and loose debris.	Principal Contractor with input from an experienced Transport Consultancy – to be confirmed and agreed with CCC Highways.	ES Chapter 9, Section 9.5
Air Quality				
AQ1	Reduce dust and material expelling from vehicle to roads, pavements and property	The sheeting of vehicles transporting friable materials to or from site	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ2	To reduce dust trackout and adverse impact from dust particles	Employment of water sprays and avoidance of dry-sweeping during extended periods of dry weather	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ3	Reduce dust and material expelling from vehicle to roads, pavements and property	Restriction of drop heights onto lorries etc	Principal Contractor/ All members on site	ES Chapter 10 Section 10.5.2
AQ4	To reduce dust spreading from meteorological effects	Avoidance of prolonged storage of debris on site or exposure to wind	Principal Contractor/ All members on site	ES Chapter 10 Section 10.5.2
AQ5	To reduce dust trackout and adverse impact from dust particles, NO ₂ and Particulate Matter emissions	Use of wheel washes, limiting of vehicle speeds to 5 mph, avoidance of unnecessary idling of engines and routing of site traffic as far from residential properties as possible	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ6	To protect the environment/ ecology and air quality in the area	Retention of as many trees and other vegetation as possible	Principal Contractor with input from ecologist	ES Chapter 10 Section 10.5.2
AQ7	To reduce dust spreading from construction activities	Fitting all equipment (e.g. for cutting, grinding, crushing) with dust control measures such as water sprays wherever possible	Principal Contractor	ES Chapter 10 Section 10.5.2

AQ8	To avoid contamination of controlled waters	Prevention of dust-contaminated run-off water from entering controlled waters	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ9	To reduce dust spreading from meteorological effects	Storage of all fine, dry materials inside buildings or enclosures with adequate protection from wind, and preparation of storage mounds, sealed with tarpaulin, or seeding soils that are to be stored for a long period of time	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ10	To reduce adverse impact from NO ₂ and Particulate Matter emissions	Use of gas powered generators rather than diesel if possible (these are also quieter) and ensuring that all plant and vehicles are well maintained so that exhaust emissions do not breach statutory emission limits	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ11	To reduce adverse impact from NO ₂ and Particulate Matter emissions	The placing of machinery with exhaust emissions as far from sensitive property as practicable and switching off engines when not in use	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ12	To reduce dust trackout and adverse impact from dust particles	Ensuring that a road sweeper is available to clean mud etc. from hardstanding roads and footpaths	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ13	To reduce dust spreading from construction activities/ meteorically effects	Storage of materials away from sensitive receptors, where possible	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ14	To reduce adverse impact from carbon emissions/ odour on local residents	Avoidance of fires on site	Principal Contractor	ES Chapter 10 Section 10.5.2
AQ15	To reduce adverse impact from all emissions by working efficiently in accordance with standards	Application of the principles of the 'best practicable means' to all works, and compliance with relevant legislation and British Standards	Principal Contractor/ All members on site	ES Chapter 10 Section 10.5.2
AQ16	To avoid ongoing complaints leading to nuisance/ annoyance and therefore an adverse impact	Operation of a complaint and investigative response procedure	Principal Contractor	ES Chapter 10 Section 10.5.2

Noise and Vibration				
NV1	To reduce the likelihood of activity becoming a nuisance/adverse impact upon local residents during sensitive time periods i.e. night-time and weekends	Any works for the erection, construction, alteration, repair or maintenance of buildings, structures or roads; or the breaking up, opening or boring under any road or adjacent land in connection with the construction, inspection, maintenance or removal of works in connection with this development, shall only take place during permitted hours.	Principal Contractor	ES Chapter 11 Section 11.5.2
NV2	To reduce the likelihood of activity becoming a nuisance/adverse impact upon local residents during sensitive time periods i.e. night-time and weekends	Goods vehicles shall only be permitted to make deliveries of materials and equipment to the site or to remove materials and equipment from the site during the permitted site operating hours.	Principal Contractor	ES Chapter 11 Section 11.5.2
NV3	To reduce the likelihood of activity becoming a nuisance/adverse impact upon local residents during sensitive time periods i.e. night-time and weekends	No site generators, pumps or other site equipment will be operated outside of the permitted operating hours unless their use has been agreed in advance by the local authority and agreed mitigation measures are in place.	Principal Contractor	ES Chapter 11 Section 11.5.2
NV4	To reduce the likelihood of activity becoming a nuisance/adverse impact upon local residents due to excessive loud construction activities in close proximity to identified receptors	The details of the working methods and construction equipment to be used on the site are not known at present. The local authority will be advised of the details of the construction plant, working methods to be used and noise mitigation measures to be provided before work commences on site.	Principal Contractor	ES Chapter 11 Section 11.5.2
NV5	To ensure best practice mitigation measures are undertaken reduce the likelihood of adverse impact occurring.	The guidance given in BS5228:2014, Parts 1 and 2, “Code of practice for noise and vibration control on construction and open sites”, will be taken into account when assessing the impacts of construction noise on nearby noise sensitive premises and when specifying mitigation measures.	Principal Contractor	ES Chapter 11 Section 11.5.2
NV6	To reduce the likelihood of activity from construction plant becoming a nuisance/adverse impact upon local residents	Selection of inherently quiet plant	Principal Contractor	ES Chapter 11 Section 11.5.2

NV7	To break the line of sight and mitigate construction activities to receptors to reduce likelihood of nuisance/adverse impact	The use, where necessary and practicable, of hoardings, screens or barriers to be sited between noisy construction activities/plant and receptors;	Principal Contractor	ES Chapter 11 Section 11.5.2
NV8	Good relations reduce the likelihood of nuisance and complaints	Developing good relations with receptors living and working in and within the vicinity of the site;	Principal Contractor/ All members on site	ES Chapter 11 Section 11.5.2
NV9	Reduce the 'On-time' of construction activities and therefore the sound level impact upon local receptors	Avoid unnecessary revving of engines and switch off equipment when not required.	Principal Contractor/ Vehicle Operators	ES Chapter 11 Section 11.5.2
NV10	To enable construction traffic to flow through the site and reduce unnecessary revving	Keep internal haul routes well maintained and avoid steep gradients	Principal Contractor/ All members on site	ES Chapter 11 Section 11.5.2
NV11	To reduce noise from bangs/clanging which lead to high impulsive noise	Use rubber linings in, for example, chutes and dumpers to reduce impact noise and reduce the drop heights of materials	Principal Contractor/ All members on site	ES Chapter 11 Section 11.5.2
NV12	Reduce the sound level impact at receptors	Start plant and vehicles sequentially rather than all together	Principal Contractor/ All members on site	ES Chapter 11 Section 11.5.2
NV13	To reduce the likelihood of activity becoming a nuisance/adverse impact upon local residents during sensitive time periods i.e. night-time and weekends	No works to take place during hours outside of those agreed with the LPA	Principal Contractor	ES Chapter 11 Section 11.5.2
NV14	Reduce the sound level impact at receptors	Where practicable, alternative reversing warning systems should be employed to reduce the impact of noise outside sites	Principal Contractor	ES Chapter 11 Section 11.5.2
NV15	Reduce the sound level impact at receptors	When reversing, mobile plant and vehicles should travel in a direction away from receptors whenever possible	Principal Contractor	ES Chapter 11 Section 11.5.2
NV16	Reduce the sound level impact at receptors	Noisy activities and plant should be reviewed and substituted where possible	Principal Contractor	ES Chapter 11 Section 11.5.2

NV17	Reduce the sound level impact at receptors	Modification of existing plant and equipment to reduce noise levels, for example exhaust silencers, acoustic canopies, silencers and mufflers where possible	Principal Contractor	ES Chapter 11 Section 11.5.2
Agricultural Land Quality				
ALC1	To retain and re-use best and most versatile soils within the site.	A Soil Management Plan (SMP) shall be prepared which identifies the nature of the soil within the site and describes how works should be undertaken to minimise effects on the nature and quality of the soil.	Principal Contractor	ES Chapter 12, Section 12.5.2

7.0 Liaison and Consultation Requirements

7.1.1 This section will include requirements for prior authorisation or provision of monitoring data, along with key internal and external contacts, for example:

- Environment Agency contacts;
- Neighbour notification contacts.

7.1.2 The specific detail of this section will be updated following granting of planning consent.

8.0 Register of Variations

- 8.1.1 This section will record changes to construction methods, design and mitigation and the implications of these changes and authorising personnel.
- 8.1.2 The specific detail of this section will be updated following granting of planning consent.

9.0 Technical Studies

- 9.1.1 This section will record changes to construction methods, design and mitigation and the implications of these changes and authorising personnel.
- 9.1.2 The specific detail of this section will be updated following granting of planning consent.