

M O R R O

Better *tomorrow* makers

Construction Management Plan

Sapcote Rd, Burbage, Hinckley, LE10 2AU

Site Layout



Issue 01		Date 17.01.2024
Revision Number	Description	Date Revised

Contents:

Cover		Page 1
Contents		Page 2
Particulars		Page 3
Introduction		Page 3
	Summary of works to be carried out	Page 4
	Project Phasing	Page 4
	Site Layout	Page 4
	Traffic Management Plan	Page 5
	Details of deliveries	Page 5
	Haul Routes	Page 6
	Supplier/Contractor authorised access routes	Page 6
	Delivery Times	Page 7
	Staff & visitor parking	Page 7
	Location of Site Equipment	Page 7
	Materials storage	Page 7
	Plant Storage	Page 7
	Erection of Timber Hoarding & Heras fencing	Page 7
	Baseline Ecological Conditions	Page 7
	Protection of retained & created habitats	Page 10
	Fauna	Page 11
	Protection of ecology	Page 12
	Protected and priority species	Page 12
	Protection of archaeology	Page 12
	Results of air quality assessment	Page 13
	Haul routes and prevention of site trackout	Page 14
	Pollution Control run off prevention & containment	Page 15
	Management of Surface Water	Page 16
	Hazardous materials on site	Page 17
	Morro Partnerships dust control measures	Page 17
	Vibration Control Measures	Page 18
	Noise Control measures	Page 20
	Site Hours of operation	Page 18
	Emissions Control measures	Page 18
	Energy efficiency & lighting	Page 19
	Waste Management	Page 19
	Responsible person	Page 19
	Highways point of contact:	Page 19

Particulars:

Contractor	Morro Partnerships Jessup House, Station Court Girton Rd, Cannock, WS11 0EJ
Document	Construction Environmental Management Plan
Project	Sapcote Rd, Burbage, LE10 2AU
Author	Mr Mark Eustace Group Head Health, Safety & Compliance.
Email	mark.eustace@morropartnerships.co.uk
Tel	01543 462468
Approved	Mr Ashley Ineson Head of Build East Midlands

Introduction:

Morro Partnerships are principal contractor for the demolition of the existing structures on site and construction of 27no. residential dwellings including all associated infrastructure works and enabling works.

Sapcote Rd Development Dust Risk Assessment This risk assessment is based on guidance given in Institute of Air Quality Management Guidance document on the assessment of dust from demolition and construction version 1.1 which aims to reduce dust emissions PM10 and PM2.5 from construction and demolition activities.

The report outlines the measures that will be taken by Morro Partnerships to minimise dust emissions during the earthworks, construction and trackout activities. These measures will:

- Confirm dust emission control measures that will be implemented.
- Confirm monitoring method to be used.

Ecological Protection Measures

Summary of works to be carried out:

The works consist demolition of the existing structures on site and the construction of 27no. residential dwellings including all associated infrastructure works and enabling works.

Project phasing:

The works will be completed over single phase.

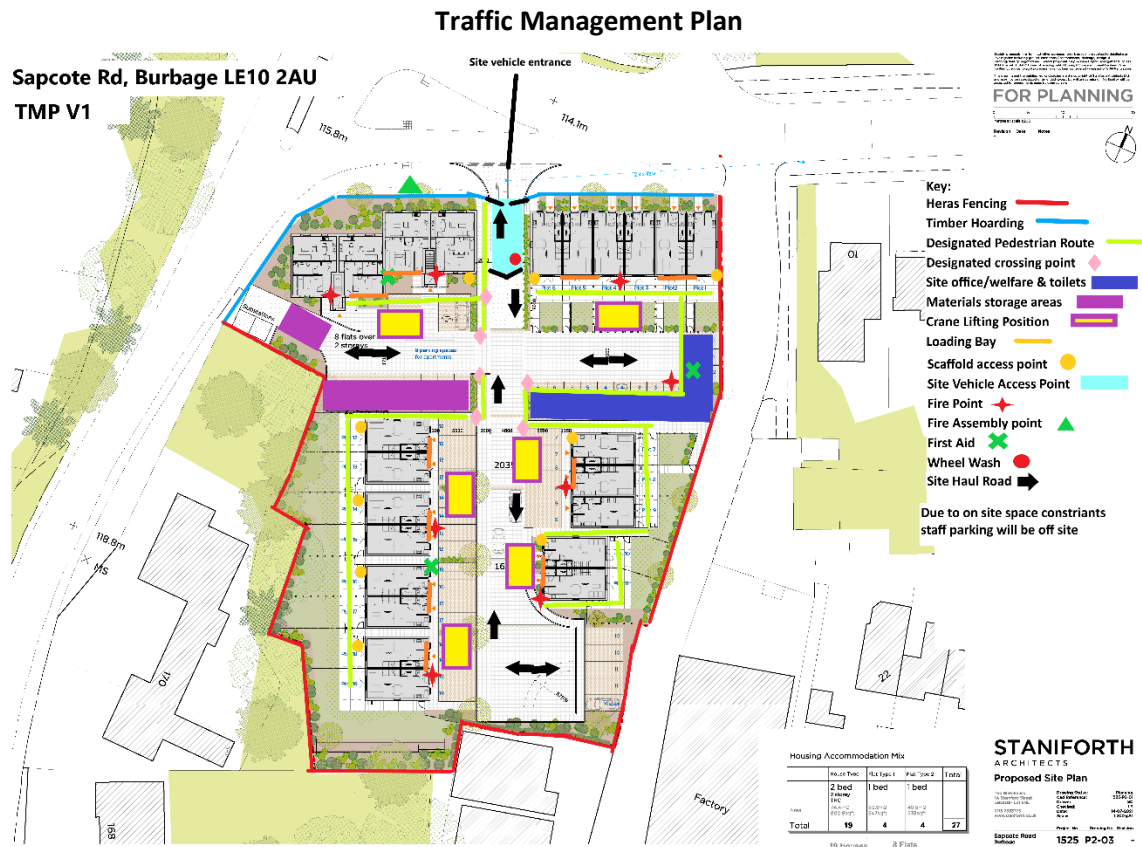
Initial works will consist of the demolition of the existing structures on site and enabling works to the demise. Construction of the Sapcote Rd new development will follow directly on from this.

The traffic management plan will be continually reviewed and adjusted throughout the development to ensure minimal disruption to site neighbours whilst ensuring compliance with the Construction Management Plan and maximising efficiency of site operations.

Site layout

The site is bounded to the North by existing residential properties to Sapcote Rd. The South of the site is bounded by existing industrial units of Sapcote Rd Industrial Estate and existing residential properties on Hinckley Rd. To the Western boundary are exiting residential properties to Hinkley Rd. To the Eastern boundary is the access road to existing industrial units with residential properties beyond. The site has a mix of residential, commercial property & social amenity neighbours.

A section of timber hoarding will be located along the Sapcote Rd frontage. This is within the site red line boundary demise.



Details of deliveries:

It is Morro Partnerships proposal to install a site HGV delivery access routes from Sapcote Rd to the Northern boundary as identified on the TMP phase drawing above. No site access will be permitted off Hinckley Rd or the access road to the Sapcote Rd industrial estate.

The operational construction site entrances & exits will be gated, and access controlled by a designated operatives at all times during operational hours. The Site vehicle entrance gate off Sapcote Rd will be set back at least 12m inside the site boundary to enable delivery vehicles to pull into the site entrance ensuring Sapcote Rd remains clear of waiting construction traffic. Safety signage will be displayed to the access gates instructing all visitors to report to the site office before proceeding onto site.

A separate pedestrian entrance will be located through the timber hoarding to the Sapcote Rd boundary leading to a segregated fenced pedestrian route to the site office compound. Access from the site office compound to the operational site area will be via a key coded access gate.

Pressure wash wheel washing facilities will be placed to the site exit point so that dirt and other detritus from the site is not brought out onto the highway network. As indicated on the TMP drawing.

It is proposed that the site office and welfare compound area will be sited to allow suitable and sufficient facilities for the duration of the enabling and construction phases of the development as shown on the site layout drawing above. The gateman will be in two-way radio contract with the site office.

The inner vehicle gate will remain secured closed when not in use.

Haul Routes

Due to the layout of the junction of Hinckley Rd & Sapcote Rd directly adjacent to the site entrance the authorised HGV access and egress route to site will be authorised off M69 Junction 2 only as shown on the authorised access route drawing below.

All HGV's will exit the site vehicle exit gates onto Sapcote Rd turning right leading directly to for direct access to the M69 arterial route minimising trackout onto the immediate surrounding roads as far as reasonably practicable.

- Travel distance from the M69 Jct 2 is 2.5 km.

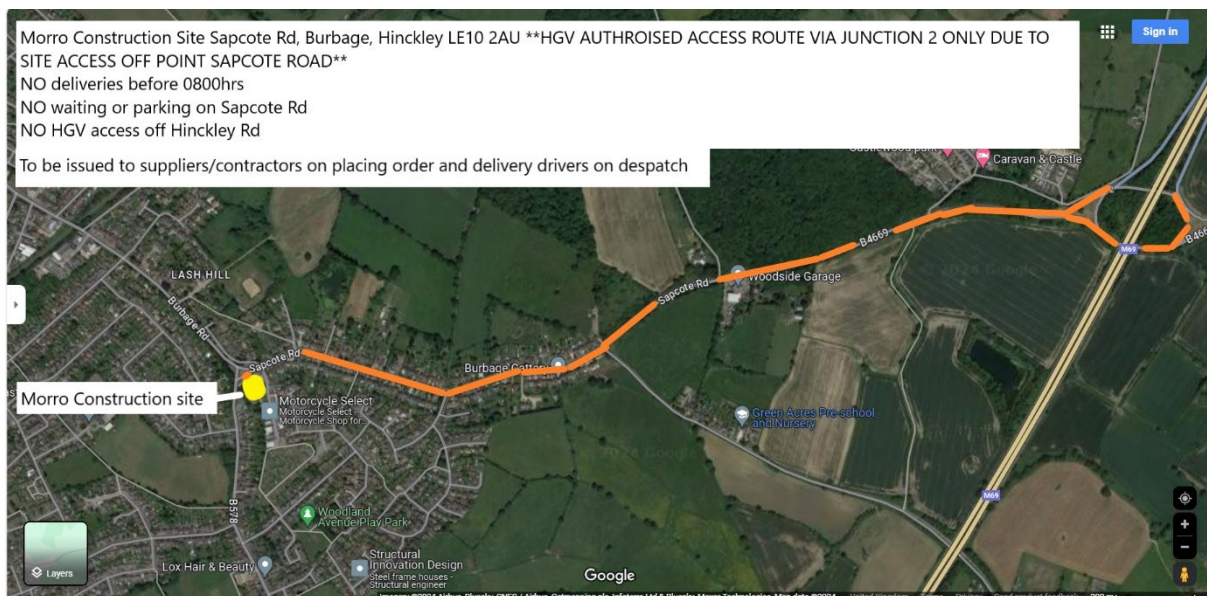
No construction vehicles, construction staff vehicles including contractors' vehicles are to be parked on any of the roads surrounding the development site. **All HGV parking must be accommodated within the site boundary.**

Authorised construction traffic access routes to/from site will be included with all supplier & contractors orders. Supplier and contractors traffic offices issues a copy of authorised routes to drivers and operatives with despatch notes/work instructions.

No Morro construction traffic" & "No contractor Parking signage" will be displayed to the Sapcote Rd Industrial estate access road

Supplier/Contractors Authorised access routes:

Authorised construction traffic access routes to/from site will be included with all supplier & contractors orders. Supplier and contractors traffic offices issues a copy of authorised routes to drivers and operatives with despatch notes/work instructions.



Delivery times

So far as reasonably practicable deliveries to the site must be timed and managed so that they avoid the peak traffic & school commuter hours of 7:30 am to 9:30 am and 3:00 pm to 5:00 pm. Deliveries will not be permitted prior to 08:00hrs. Deliveries will take place by rigid vehicle so far as practicable.

Vehicles & plant will be off loaded on site adjacent to material, fuels, hazardous material storage areas by telehandler or vehicle mounted Hiab. All loading and unloading of plant and materials must be done within the site boundary and not on any of the roads surrounding the development site.

Site Staff Contractor and Visitor Parking

Due to space constraints on site staff and visitor parking cannot be facilitated on site, the nearest public car park is located at Woodbank, LE10 2AA, 250 meters from site. It is hoped that due to local bus routes serving the roads adjacent to the site several operatives will use public transport to travel to work. These will be promoted on induction to the site.

Location of site equipment

Morro site accommodation and welfare will be positioned on site to optimize efficiency of the build process and minimise any potential impact on residential and community neighbours. It is proposed that the site will have a temporary electrical supply negating the requirement for onsite generators.

Materials storage

It is proposed to store materials in the areas shown in purple on the TMP drawing above. Additional materials storage compounds will be added as the programme develops. These will be sited to minimise any potential impact on the natural environment.

Storage of Plant

It is proposed that all plant will be parked centrally to the site out of hours away from site boundaries so far as practicable.

Erection and maintenance of security hoarding including decorative displays and facilities for public viewing.

The site boundary fencing will be made up of a mix of timber hoarding and Heras security fencing. All timber hoarding and Heras fencing are installed to an approved temporary works design and are included in the Site Managers weekly temporary works inspection programme. Heras fencing will have debris netting installed to minimise potential debris and dust transfer across site boundaries.

A section timber hoarding will be installed along the Sapcote Rd frontage. This is within the site red line boundary demise.

Baseline Ecological Conditions

The Site itself is not subject to any statutory or non-statutory designation.

Site set up phase.

During the site set up phase care will be taken to minimise impact of any known habitat. Site boundary fencing will be formed of proprietary Heras fencing secured using anti tamper brackets. To the site entrance a timber hoarding will be formed. The space below the Heras fencing and timber hoarding will be infilled with stone to prevent badgers and other wildlife entering the site. Additionally, the Heras fencing will have debris netting installed and secured to limit the transfer of any debris from the main construction site onto the surrounding gardens and environment.

The designated ecologist will carry out site visits on the site set up phase, on commencement of the initial enabling works, on commencement of the main construction phase plus additional site visits throughout the construction programme.

During the enabling works Tree & root protection fencing and signage will be installed in accordance with the ecologist's recommendations as shown on the site layout drawing within this report.

Any tree or hedgerow works within be programmed so far as practicable to take place outside of the bird nesting season March to Sept. If works are required during this period these will be overseen by the designated ecologist.

Demolition & Construction phase

Throughout the demolition & construction phase the site manager will maintain vigilance for signs of wildlife onto site, any issues will be reported directly to the Morro Group Head Health, Safety & Compliance for further investigation and advice sought from the designated ecologists.

Trees, hedgerows to the site boundary will be protected and retained in accordance with the landscaping drawing. Landscaping to the development will further enhance the ecological value as shown in the drawing below.

To ensure habitat protection as shown on the landscaping drawing subject to further review it is proposed that the following could be installed to the development to further enhance the ecological value of the development:

Bat boxes to existing trees.

Bird Boxes to existing trees.

House Sparrow boxes to be installed to some houses across the development.

Barn Owl box provision

Implementation of the biodiversity enhancement measures will take place in consultation with the designated ecologist during appropriate phases of the programme of works. These will be programmed to be implemented to ensure they thrive.

During the induction phase site staff will receive training in the recognition of such species above and the reporting procedure should these be discovered. The induction also covers the importance of Wildlife Protection Zones.

Throughout the works the Site Manager will complete daily checks of the site boundary & Wildlife Protections Zones and Tree protection fencing to check for signs of run off or damage. Should evidence of run off or damage become apparent then immediate action will be taken by the onsite response team to identify the source and control measures. Compliance with nature conservation measures and environmental protection measures also form part of the Health & Safety departments audit reports.

Best ecological practice should be undertaken during the construction works. Any excavations that will be left overnight should be covered or fitted with a series of ramps to allow otherwise trapped mammals a means of escape.

If pipe work is left open overnight, then the open end will be capped off to prevent animals seeking refuge and becoming trapped when work resumes.

Where wheel washing facilities are implemented to prevent trackout onto adjoining roads care will be maintained to ensure that run off from such facilities are channelled to appropriate soak away or drainage. The wheel wash will be sites away from potential run off zones into ecological sensitive areas.

Any clearance of hedgerow or lopping of trees will, where possible, be carried out in the late summer or winter months to avoid the main bird-nesting season.

Where practicable, in the construction phase, daytime working hours will be adopted, to commence no sooner than one hour after sunrise and finish no later than one hour before dusk, to avoid disturbance to bats and other nocturnal wildlife through noise and lighting.

In the operational phase, external lighting will not illuminate the mature trees or any boundary features (existing or new ones planted as part of landscaping). Where used, it will be reduced to its most practical level. A lighting plan should be drawn up by a competent engineer.

Ecological protection measures as specified within the ecologist's report for the development will be implemented. Monitoring of these protection measures forms part of the Site Managers daily inspections and the Health & Safety Departments Monthly site audits.

On discovery of any items or material suspected of being of archaeology importance, works within that area will be stopped and quarantined. The Councils Archaeological Officer will be contacted immediately for advice.

Maintenance and monitoring

The Maintenance Period for soft landscaping will be 12 months and should be undertaken by a competent contractor.

During this period the Landscape Contractor shall carry out the maintenance of the planted areas as follows:

- Make visits at approximately monthly intervals depending on the time of year
- Control weeds in beds using approved herbicide
- (Hand weeding may also be carried out when part of the specification)
- Check condition of stakes, ties guys and guards at each maintenance visit
- Adjust ties, if necessary, to prevent rubbing of bark
- Litter pick planting beds at each visit only (excludes fly tipping)

During this period the Landscape Contractor shall carry out the maintenance of the grass areas as follows:

- Make visits at intervals of between two and four weeks depending on the time of year
- Before each visit remove litter and debris from grass areas.
- At the time of each cut trim grass edges around trees / manholes etc. and sweep cuttings from hard areas

Arisings to be left on site unless otherwise stated in the specification.

At the end of each visit the site will be left in a tidy condition.

The Contractor will report any damages, fly tipping or losses at regular intervals to the Client.

In the late Autumn each year prepare a report on losses, damaged areas and pruning requirements for the Client.

After the first 12-month establishment period any shrub and tree planting outside garden space to be maintained by applicant for a further 4 years.

Make visits at approximately monthly intervals during the growing season.

- Control weeds in beds using approved herbicide
- Shrubs to be kept in tidy form and prevented from encroaching hard areas
- Any dead/damaged tree branches to be removed
- Check condition of stakes, ties guys and guards at each maintenance visit
- Adjust ties, if necessary, to prevent rubbing of bark
- Litter pick planting beds at each visit only (excludes fly tipping)
- Hedge planting should be maintained through hedge laying every 10-15 years
- Bark mulch to be topped up bi-annually, any failed shrubs or trees to be replaced and the end of each year.

Protection of retained and created habitats.

The potential for impacts on retained habitats (scrub, trees, & grassland) outside of the immediate working areas during construction activities will be minimised through the erection of boundary Heras fencing of a Biodiversity Protection Zone (BPZ).

The fencing will be located so that it prevents any inadvertent damage to retained or created habitats throughout the construction, particularly in locations where vegetation is to be removed or during works close to retained habitat.

No temporary storage of materials, construction of haul routes, or site machinery will be sited within BPZ, their buffer zones or outside of the site boundary and unnecessary or informal access to these areas by construction site personnel would be prevented.

Where access to retained habitat is required, machinery will have low ground pressure tyres or be tracked machinery to minimise damage to soils and any retained vegetation. The most direct possible route will be made from the access point to the areas of works and vehicle movement will be kept to the minimum required, re-using previously tracked routes.

It is the responsibility of the Principal Contractor to ensure that BPZ is maintained, remains in the correct location and is fit-for-purpose protecting the root protection areas.

The Principal Contractor will monitor the fencing and buffer zones to ensure that there have been no vehicle incursions and no materials are being stored within the BPZ.

Practical measures

The following precautionary measures will be adopted to avoid any potential for harm to any protected species, including birds.

General Good Practice Measures

Where possible material will be stored centrally within the site within a fenced compound rather than at the edge or near to retained habitats.

Materials should be raised from the ground by storing on pallets to prevent fauna using these for shelter.

All excavations left overnight should be left with one sloping end to allow any animals that may fall in to escape.

All excavations left open overnight or longer should be checked for animals prior to the continuation of works or infilling.

Fauna

The removal of woody vegetation, including sections of hedgerow, trees or areas of scrub and any open grassland areas suitable for ground nesting birds, should be undertaken outside of the bird nesting season, i.e. avoiding clearance from March to August, inclusive. Where this is not possible, the habitats will be checked by the ECoW or a suitably experienced ecologist to confirm the absence of nesting birds.

Where nesting birds are present, an exclusion zone will be established around the nest (as determined by the supervising ecologist and suitable for the species nesting) will be cordoned off with high visibility tape or mesh fencing, and all site personnel made aware. No works can occur within this area until the ecologist confirms that birds have fully fledged, or the nest has become inactive.

Any vegetation, rubble, log or brash piles required to be destructively searched could be supervised by an ecologist, under suitable weather conditions between mid-March and October (inclusive) and work in conjunction with nesting birds. Any animals found will be translocated to the BPZ.

Habitat removal outside the BPZ will not require supervision or good practice (commensurate with the DLL), however where at all possible works will be undertaken outside nesting birds season (as above). Any animals noted during these works will be moved to the BPZ.

Any works outside the scope of the above will not require ecological supervision, however the ECoW contact details will be provided to address any queries during site works.

Protection of ecology

Trees

Tree protection fencing and signage will be installed in accordance with the arboriculture report and planning conditions. Ecological protection measures as specified within the ecologist's report for the development will be implemented. Monitoring of these protection measures forms part of the Site Managers daily inspections and the Health & Safety departments monthly site audits.

Badgers

No evidence of badgers such as hairs, latrines, footprints, or setts was identified on-Site at the time of the site walkover, with the habitats generally considered unsuitable for sett excavation due to the location and the generally flat, historical industrial use of the Site.

Given the findings, there are presently no significant constraints to works from the presence of badgers. In the unlikely event badger evidence is noted, that works cease and an ecologist contact for further advice.

Appropriate standard mitigation measure for badgers in place, such as ensuring that there are means of escape from open excavations to ensure that badgers are not trapped should they gain access to site.

Birds

Treelines and some of the woody dense scrub were all considered to provide suitable foraging and nesting habitat for birds.

Should any further tree works become necessary, between March & the end of August these will only be carried out as a last resort during this period and will not be carried out until a licensed ecologist has carried out a bird nesting survey.

Protection of archaeology

On discovery of any items or material suspected of being of archaeology importance, works within that area will be stopped and quarantined. The Councils Archaeological Officer will be contacted immediately for advice.

Assessment of dust magnitude by activity for the Sapcote Rd development site as defined by guidance within IAQM guidance document version 1.1

Activity	Dust emission magnitude
Demolition	Small
Earthworks	Small
Construction	Small
Trackout	Small

Sensitivity of the area to dust soiling effects on people and property from the source.

Receptor sensitivity	Number of receptors	Distance	Distance	Distance
		<20M	<50M	<100M
High	>100	Medium	Medium	Low
Medium	>1	Medium	Low	Low
Low	>1	Low	Low	Low

Sensitivity of the area to ecological impacts

Receptor sensitivity	Distance	Distance
	<20M	<50M
High	Medium	Medium
Medium	Low	Low
Low	Low	Low

Risk of dust impact: Demolition

Sensitivity of area	Dust emission magnitude
High	Low
Medium	Low
Low	Negligible

Risk of dust impact: Construction

Sensitivity of area	Dust emission magnitude
High	Low
Medium	Low
Low	Negligible

Risk of dust impact: Earthworks

Sensitivity of area	Dust emission magnitude
High	Low
Medium	Low
Low	Negligible

Risk of dust impact: Trackout

Sensitivity of area	Dust emission magnitude
High	Low
Medium	Negligible
Low	Negligible

Morro Partnerships site specific dust mitigation measures

Dust emissions from construction activities can be substantially reduced through various mitigation methods and careful site management. The most effective control technique to control dust is at source, as once the particles become airborne it becomes more difficult to control them. However, once airborne the most effective method of control is water sprays.

Haul routes & prevention of spoil/mud trackout onto the highway:

Within site traffic management plan provide stoned site roadways.

Site speed limit 5mph to reduce potential of lifting of dust.

Laden vehicles entering and leaving the site will be covered to prevent escape of materials during transport.

Site Manager will inspect adjacent roads to check for signs of mud or dust build up.

As appropriate throughout the program Pressure wheel wash equipment will be positioned adjacent to the gates to prevent dust and mud transfer onto adjacent roads.



Additionally, at regular basis a road sweeper can be made available to attend the site to address any mud that has been transferred to the road via trackout.

In particular, the approaches to the site along Sapcote Rd will be regularly monitored and swept when necessary, and at least twice a day during periods of wet weather when deposition of mud on the road is more likely to cause an issue.

Pollution Control run off prevention and containment.

Throughout the works the Site Manager will complete daily checks of the site boundary to check for signs of run off, particularly to the boundary areas.

Where due to site levels the potential for run off exists then an evaluation for the installation of appropriate bunding so far as reasonably practicable will be completed. This can be by means of onsite 900mm deep gravel swale to divert run off to a settlement attenuation pond with a barley

straw interceptor to capture sediment and solids or via the installation of physical temporary bunding to vulnerable areas to contain potential run off.

Construction materials will so far as reasonably practicable be stored within storage containers on site or on pallets or hard standing areas of the site.

Potentially hazardous materials such as diesel etc are kept secured bunded tanks or secure steel ISO containers out of operational hours away from site boundaries and areas of high potential for run off.

Dedicated plant refuelling areas will be sited on hard standing away from areas of high potential for run off. Fuelling points and hazardous materials stores will have spill kits sited adjacent.

The site will have a dedicated trained spill response containment team.

The Company maintains hazardous material spill control kits on site appropriate to the level of risk.

Should evidence of run off become apparent following immediate intervention by the onsite spill response containment team, the Site manager will contact the Morro Group Head Health, Safety & Compliance for advice and guidance. In the event of any high potential or serious environmental incident the Environmental Agency Incident response contact centre will be contacted.

Environmental and contamination control form part of the Morro Health, Safety & Environmental departments monthly SHEQ audits and weekly H&S review visits at site.

Management of Surface Water

Wheel wash facilities will be at the site entrance to ensure construction materials/dirt are not transferred off site. The water and debris from this activity will be controlled.

Excavation works are to be avoided during heavy, prolonged rainfall – check forecast.

When storing excavated materials, the flow of flood waters is to be checked so that materials do not block routes.

Ensure that the storage of excavated materials does not compromise existing and proposed drainage infrastructure, such as gullies and permeable paving.

Avoid sediment run off.

Ensure that existing gullies are in working order and remain so when construction is complete.

Toilet facilities are connected to a septic tank that is emptied on a regular basis.

Mortar will be ready mixed for this site.

Strip existing hardstanding, Strip vegetation and topsoil in sequence, clearing only areas to be worked on.

Phase works to ensure mud from vehicles, roads, surface water run off areas under construction do not enter surface water drainage of areas completed.

Install temporary bunds as part of site set up phase as required to site boundary to reduce the potential for run off where required.

During construction in extreme circumstances there is potential for contaminants, including silt, to be released accidentally or otherwise, into the natural habitat which may be through accidental spillage of concrete, cement, oils and chemicals, dust, dewatering and pumping of excavations, run-off from exposed ground, contaminants collected from the Site during flood events, and run-off from plant washing areas and roads.

Fuels stored on site are to be kept within double bunded proprietary fuel storage tanks on flat stable stoned bunded surfaces. Fuels storage tanks are to be sited at locations furthest away practicable from site drainage.

Spill kits appropriate to the fuel & hazardous materials stored are to be sited directly adjacent to fuel storage tanks and hazardous materials storage containers and at various locations across the site to enable effective immediate containment in the event of a spill.

A dedicated trained on-site spill response team will be in place on site.

Works will be planned on site to minimise the potential for run off into the adjacent properties.

Physical temporary structures such as earth or stone bunds will be formed in areas that present the potential for run off to occur.

In the event of run off from site or contamination occurring the Site Manager will contact the Morro Health & Safety department and designated ecologist for advice. In the event of a serious contamination event the Site Manager will contact the Environment Agency Incident Response Centre Tel: 0800 807060. Construction materials will so far as reasonably practicable be stored within storage containers on site or on pallets or hard standing areas of the site.

Should evidence of run off become apparent following immediate intervention by the onsite spill response containment team, the Site manager will contact the Morro Health & Safety department for advice and guidance. In the event of any high potential or serious environmental incident the Environmental Agency Incident response contact centre will be contacted.

Environmental and contamination control form part of the Morro Health & Safety departments monthly SHEQ audit at site.

Hazardous Materials on site

A demolition and refurbishment Asbestos survey will be completed prior to the demolition of the existing structures on site.

Should asbestos containing materials be detected in the asbestos survey, the materials will be quarantined, and advice sought from a licenced asbestos contractor. These will be disposed of via an appropriately licenced hazardous waste contractor. If asbestos containing materials are found and required to be stored on site, these will be double bagged in asbestos waste bags by licensed asbestos contractors and sealed and stored in a segregated and signed hazardous waste area on site.

Earthworks and demolition/ construction phase dust mitigation

If required following assessment in prevailing hot and dry weather conditions a water/dust suppression system can be made available and set up by our contractors.

The use of a continuous fine water spray is actioned controlling and damping down any dust being emitted.

This process is enabled through operatives in attendance with high pressure jet which will produce a fine mist which will constantly dampen down the materials. Attention will be paid to the areas where the immediate earthworks are taking place to ensure the problem is controlled at source. The Dust emissions will be regularly monitored by Site Management.



Should it become necessary during dry weather we are able to access a towable water bowser from our contractors which has been used at previous schemes.

Where possible stockpiles of materials will be stored away from site boundaries, out of prevailing winds and kept to a reasonably practicable height and use gentle slopes.

Stockpiles of aggregates on site will be kept to a minimum.

Plan works to minimise the height of fall of materials.

Avoid material spillages and clean up as soon as reasonably possible.

When grinding and cutting water will be used to damp down and control dust exposure and dust clouds when they are produced while using cutting tools (a).



On tool extraction will be used to prevent high volumes of dust (b).



Vibration Control Measure:

In the case of piling works these will be subject to further assessment. Piling works that have the potential to cause vibration these will be kept to the lowest reasonably practicable level. Our contractors have the facility to install vibration monitoring within the surface layer of groundworks should following further assessment this be required. If installed, then appropriate monitoring and record keeping will be carried out to ensure vibration transmission levels are maintained below action threshold levels.

Noise Control Measures:**Site hours of operation:**

The Sapcote Rd development site will operate to the following hours 07:30hrs to 18:00hrs Mon to Fri and 08:00hrs to 13:00hrs Sat.

Between 07:30hrs and 0800hrs only works that do **NOT** require the use of any heavy equipment or plant and will be for work requiring **ONLY** hand tools (including electrically operated tools but excluding any equipment which is petrol/diesel powered) will be permitted.

No radios to be used or to be audible between 0730 and 0800 Mon-Fri. **Radios must not be audible across site boundary areas at any time.**

In accordance with the embargo on any plant being used no deliveries to site will be allowed and no materials will be removed from site between 0730 and 0800 Mon-Fri.

So far as reasonably practicable deliveries to the site must be timed and managed so that they avoid the peak traffic & school commuter hours of 7:30 am to 9:30 am and 3:00 pm to 5:00 pm.

Should piling be required this should be restricted to between 0800 and 1700 Mon-Fri only.

Noise Monitoring:

Morro will undertake regular noise monitoring at the Sapcote Rd development site both at the boundary of the site and within the works area and record the findings which will be available for audit.

Noise Control Measures:

Morro and its contractors plan so far as reasonably practicable to program any potentially noisy works to have minimum impact on the neighbours to the site and the wider community.

Plant and equipment are maintained to a high standard to ensure these runs as efficiently as possible both in relation to noise and emissions.

All methods and processes within the program are assessed for occupational health noise impact and hearing protection is available for any process or procedure that exceeds the minimal action threshold. Individual process control measure is set out in RAMS documentation available on site.

Emissions Control:

Haul routes on and off are planned as efficiently as possible to minimise emissions trackout along surrounding roads.

Deliveries to site are planned to ensure the minimum waiting time on site to load or unload so far as reasonably practicable.

Deliveries loads are maximised to minimise road miles travelled to service the site, so far as reasonably practicable.

Plant, equipment, and vehicles are not permitted to idle with the engine running when not in use.

Plant and equipment are maintained to a high standard to ensure these runs as efficiently as possible both in relation to noise and emissions.

Energy efficiency & lighting:

Morro and its contractors work so far as reasonably practicable to plan and program works in the most efficient and lean manner to minimise energy wastage. As stated, above delivery loads are maximised to minimise total road journeys travelled to service the site.

When sourcing new plant and equipment so far as reasonably practicable Morro source energy efficient plant and equipment.

Lighting is turned off to all areas when not required so for safety, security, or operational reasons so far as reasonably practicable.

Electrical equipment is turned off when not in use so far as reasonably practicable.

Recycling/disposing of waste resulting from demolition and construction works:

All site waste will be handled by licenced waste carriers. Hazardous waste such as asbestos arisings from the demolition works and removal of earth contaminated by hydrocarbons will be undertaken by specialist licenced contractors. Waste is segregated on site so far as reasonably practicable.

Where it is not possible to segregate waste on site due to space constraints where reasonably practicable licenced waste carriers are used that sort and recycle waste at their waste processing facilities.

It is proposed that the current hard surface will be crushed for reuse on site, this will significantly reduce the waste and vehicle movements to/from site.

Morro Partnerships so far as reasonably practicable minimise waste to designated landfill.

Responsibilities:

All works at all stages are the responsibility of the Principal Contractor who will:

- Appoint as necessary, and liaise with an ECoW;
- Ensure that practical arrangements are in place to comply with the CEMP;
- Arrange ecological surveys and monitoring as required during construction;
- Oversee the agreed programme of habitat and species protection as described in this document;
- Ensure that protective fencing and other site protection measures are implemented and adequately maintained throughout all construction stages;
- Contribute to communication on environmental matters with stakeholders and statutory bodies, as required;
- Keep records to demonstrate implementation of and compliance with the CEMP;
- Ensure that an appropriately qualified/experienced ecologist undertakes the required on-site surveys, supervision etc. in the event that the ECoW cannot attend site and works cannot be delayed;
- Monitor the ecological and environmental performance of any sub-contractors and provide correction or direction as necessary;
- Ensure site staff are given environmental awareness/protected species identification training by the ECoW, as necessary;
- Ensure that ecological survey reports, CEMP and contact details for the ECoW are available at the site offices at all times;
- Ensure that any required corrective ecological actions are taken in line with the relevant procedures as directed by the ECoW;
- Co-ordinate and undertake periodic reviews of the CEMP with the ECoW;

The Principal Contractor shall be responsible for ensuring an appropriate ECoW is present on-site as required to ensure the measures as recommended within this CEMP (and any other relevant ecological documents)

The following people are the designated responsible person for the following areas:

- Compliance with legal consents relating to nature conservation: Mark Eustace Group Head of Health, Safety & Compliance
- Compliance with planning conditions relating to nature conservation: Mark Eustace Group Head of Health, Safety & Compliance
- Installation of physical protection measures during construction: Site Manager overseen by the designated ecologist.
- Implementation of sensitive working practices during construction; Mark Eustace Group Head of Health, Safety & Compliance & Site Manager
- Regular inspection and maintenance of physical protection measures and monitoring of working practices during construction: Site Manager Daily Inspection, health & safety department monthly or on any significant change. Designated ecologists will carry out regular compliance inspection audits.
- Provision of training and information about the importance of 'Wildlife Protection Zones' to all construction personnel on site. Site Manager at site induction

Highways point of contact:

Ashely Inneson Morro Construction Manager

Tel: 07984648918 E: Ashley.Inneson@morropartnerships.co.uk is the named point of contact for highways to liaise with for all matters concerning the highway and any problems which may arise.