



Construction And Environmental Management Plan

Title:	Construction of a new dwelling including a basement		
Job:	1144 – 19 St Peters Avenue, Hayling Island, PO11 0SA		
Client:	Sam Upton		
Date:	09/03/2021	Revision:	001

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Title:	Construction of a new dwelling including a basement			1979 35 YEARS 2014
Job:	1144 – 19 St Peters Avenue, Hayling Island, PO11 0SA			
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INTRODUCTION

This Construction Environmental Management Plan (CEMP) has been prepared to address the method of construction, environmental, construction set up, hours of work and general health and safety.

The CEMP outlines and mitigates any potential impacts of the construction process on the receptors surrounding the development site, the environment within and around the site.

It is the intention of BURRAS Limited that all work will be carried out in accordance with all relevant statutory provisions, and that all reasonably practicable measures will be taken to avoid any risk to its employees or others who may be associated or affected thereby.

GENERAL

BURRAS Limited will ensure that the development of site logistics is an integral part of ensuring the site operations are delivered in accordance with a pre-planned strategy.

Site logistics involves the controlled provision of labour, plant and material resources and their optimum use in a safe productive environment whilst acknowledging the site constraints and needs of the project and local environment.

Site logistical requirements will be further developed by means of future detailed method studies with the selected principal/main contractor.

Such studies will further cover security, accommodation, welfare, temporary mechanical and electrical services, access, and egress, unloading and storage, horizontal and vertical movement of labour and materials, fire prevention and waste removal.

BURRAS Limited will ensure that high levels of safety and organisation are maintained at all times throughout the project.

The logistics strategy will be formulated with due regard to the local constraints of the site, the design of the building and the proposed construction methodology, we enclose an indicative site establishment layout, to be read in conjunction with the section's hereafter.

CONTEXT & SCOPE

The principal aim of this CEMP is to provide further evidence that BURRAS Limited intentions are that all works will be organised and delivered in a manner that safeguards the highway impact, highway safety and the receptors of the area surrounding the construction site, whilst protecting the environment.

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SITE LAYOUT



Drawing Title Site Setup	
Job Title 19 St Peters Ave	Job Number 1144
Drawing Number 1144 .01	Rev A



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CONTRACT DETAIL

The Project: Construction of a new dwelling including a basement

Site Address: 19 St Peters Avenue, Hayling Island, PO11 0SA

Client: Sam Upton

T: 07716889994

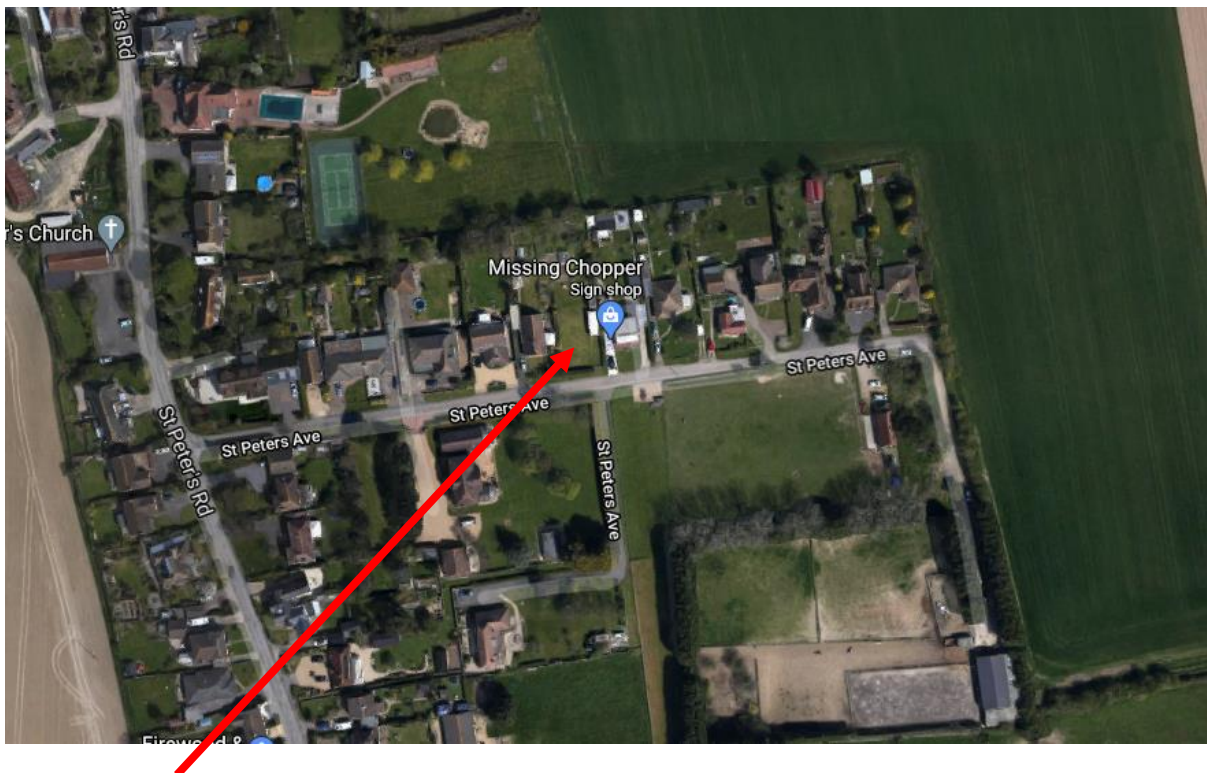
Start Date: June 2021 Provisional

Completion Date: September 2022 Provisional

Principle Contractor: Burras Ltd

Office Address: Burras Ltd, Walton Road, Farlington, Portsmouth, PO6 1UJ

LOCATION



The site is located halfway down St Peters Avenue on Hayling Island.

The site currently comprises of an empty plot between two properties.

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PROPOSED DEVELOPMENT WORKS

The overall sequence of the build is likely to include the following.

- Site set up, concrete entrance and hard standing.
- Piling mat and piling.
- Basement works.
- Brickwork to ground floor.
- Precast concrete planks to ground floor.
- Brick work to first floor.
- Precast concrete planks to first floor.
- Brickwork to roof.
- Timber roof + tiling.
- Internal fit out.

INTRODUCTION

This section outlines the proposed development schedule, construction methodology and the way in which deliveries will be controlled with regards to the local highway network.

BURRAS Limited site management and supervising staff have responsibility for implementing the Company's Health and Safety Policy and will ensure that Health and Safety considerations are always given priority when planning and during the day to day supervision of the work.

All Employees and Sub Contractors are expected to co-operate with BURRAS Limited in carrying out their duties, and will ensure that their work, so far as is reasonably practicable, is carried out without risk to themselves or others.

It is our objective to ensure that accidents and ill health arising from work activities are minimised and that due consideration is given to adjoining properties/residents and members of the public. BURRAS Limited has appointed a firm of external safety advisers to visit the project if required to give advice on the requirements of the relevant statutory provisions and safety matters generally.

DEVELOPMENT SCHEDULE

There will be four main phases of the development:

- Phase 1 - Set up and Clearance of existing site.
- Phase 2 - Piling Works and Basement Works
- Phase 3 – Main construction of property
- Phase 4 – Internal fit out and finishes.

The proposed works are expected to start as soon as possible to the proposed commencement date, and are expected to last for approximately 18months from commencement, however, the construction programme may be subject to change for unexpected circumstances such as weather conditions. Prior to any construction works being carried, a local area condition survey will be carried out and recorded by means of dated photographs, these records will be kept and stored for future reference.

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Once all construction work has been completed, a further survey will be carried out and comparisons made with the original survey. Any damage or change to the area condition caused by the construction of the development, will be notified to the clients for further discussion.

DEVELOPMENT CONTACTS:

CLIENT

Sam Upton
191 Haslemere Road
Southsea
PO4 9DF
T: 07716889994

PERSON RESPONSIBLE FOR PREPARING THE CEMP

Burras Ltd
Walton Road, Farlington, Hampshire, PO6 1UJ, United Kingdom
T:023 9246 3558
E: enquiries@burras.com
E: sam@burras.com

MAIN CONTRACTOR RESPONSIBLE FOR UNDERTAKING THE WORKS.

Name: BURRAS Limited
Contact: Sam Upton - Details as before

SITE AND PROJECT MANAGER RESPONSIBLE FOR DAY-TO-DAY MANAGEMENT OF THE WORKS

Name: Sam Upton - Details as before

FULL CONTACT DETAILS OF THE PERSON RESPONSIBLE FOR DEALING WITH ANY COMPLAINTS FROM LOCAL RESIDENTS AND BUSINESSES, ETC.

Name: Sam Upton - Details as before

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MEASURES, MANAGEMENT & CONTROL PROCESSES

INTRODUCTION

BURRAS Limited will ensure that the measures, management and control processes of the CEMP are efficiently communicated and implemented.

TRANSPORTATION CO-ORDINATION

The BURRAS Limited Site Manager for the project will undertake the transport co-ordination role for the site. In this respect, their main responsibilities will include:

- Managing the implementation of the CEMP
- Vehicle scheduling
- Informing the Police and local residents of any major deliveries associated with construction of the site to avoid / minimise disruption
- Checking for scheduled road works on <http://roadworks.org>
- Checking for scheduled refuse collections with the Local Authority
- Acting as a point of contact for employees, contractors, general public, and other local stakeholders.
- Whilst the main excavation of the basement occurs a banksman will be used to escort the muck away lorries up St Peters Avenue.

BOOKING SYSTEM

On a weekly basis our Site Manager will evaluate the deliveries proposed for the upcoming week.

Hauliers will be required to contact the site to arrange their delivery schedules, so as to minimise the potential for delivery conflict / congestion etc.

This will minimise the potential for “holding areas” or “stacking” of vehicles in neighbouring roads.

COMMUNICATION STRATEGY

Prior to any works starting we will contact local stakeholders and occupiers of the properties which may be potentially affected the construction works.

Relevant updates will be communicated as appropriate.

COMPLAINTS PROCEDURE

Whilst our Site Manager will use reasonable endeavours to ensure that site neighbours are informed of the construction works and associated impacts, it is possible that complaints may be raised by local persons/business.

Our Site Manager will therefore be available to meet and explore issues with concerned residents directly, via appointment.

Any complaints are taken seriously and will be addressed immediately by the construction team.

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PROJECT GENERAL ARRANGEMENTS

The works include the initial set up phase which will consist of the removal installation of the concrete hardstanding for deliveries and welfare and services installation.

The main construction stage comprises the piling works and construction of the basement.

Then the main build with minimal deliveries will be undertaken.

Followed by the fit out and site clearance.

SITE FACILITIES (GENERAL)

BURRAS Limited philosophy in respect of the provision of site facilities and site services will be based on the premise that where a common user facility is required for the benefit of a number of trades, such as welfare/compound areas, security, temporary power, services etc.

The above will be provided and controlled by BURRAS Limited.

In general terms, the following items (but not limited to) would be provided by BURRAS Limited: -

1. Unloading, handling and storage of materials.
2. Provisions of craneage.
3. Scaffolding and access equipment.
4. 20ft welfare unit with separate site toilet.
5. Protection.
6. Sub-Contractors storage accommodation.
7. Adverse weather aids.
8. Normal Contractors plant and equipment.

HOURS OF WORKING

Any audible construction work shall not take place on any Sunday or Bank/Public Holiday nor on any other day except between the following times: Monday to Friday: 8.00-18.00 and Saturday 08.00 - 13.00. This is in order to protect the occupants of nearby residential properties from noise and vibration nuisance.

We are extremely aware of the traffic, restricted width of the access, the adjacent properties and business's also avoidance of the busy times during the day will be planned as part of the management of the project.

Due to the close proximity of surrounding buildings, business premises and the associated traffic congestion at the beginning and the end of the day, we will seek to restrict material deliveries and collections to and from the site between the hours of 08.00 and 18.00 and between 8.00 am and 1.00pm on Saturdays and not at all on Sundays, Public and Bank Holidays

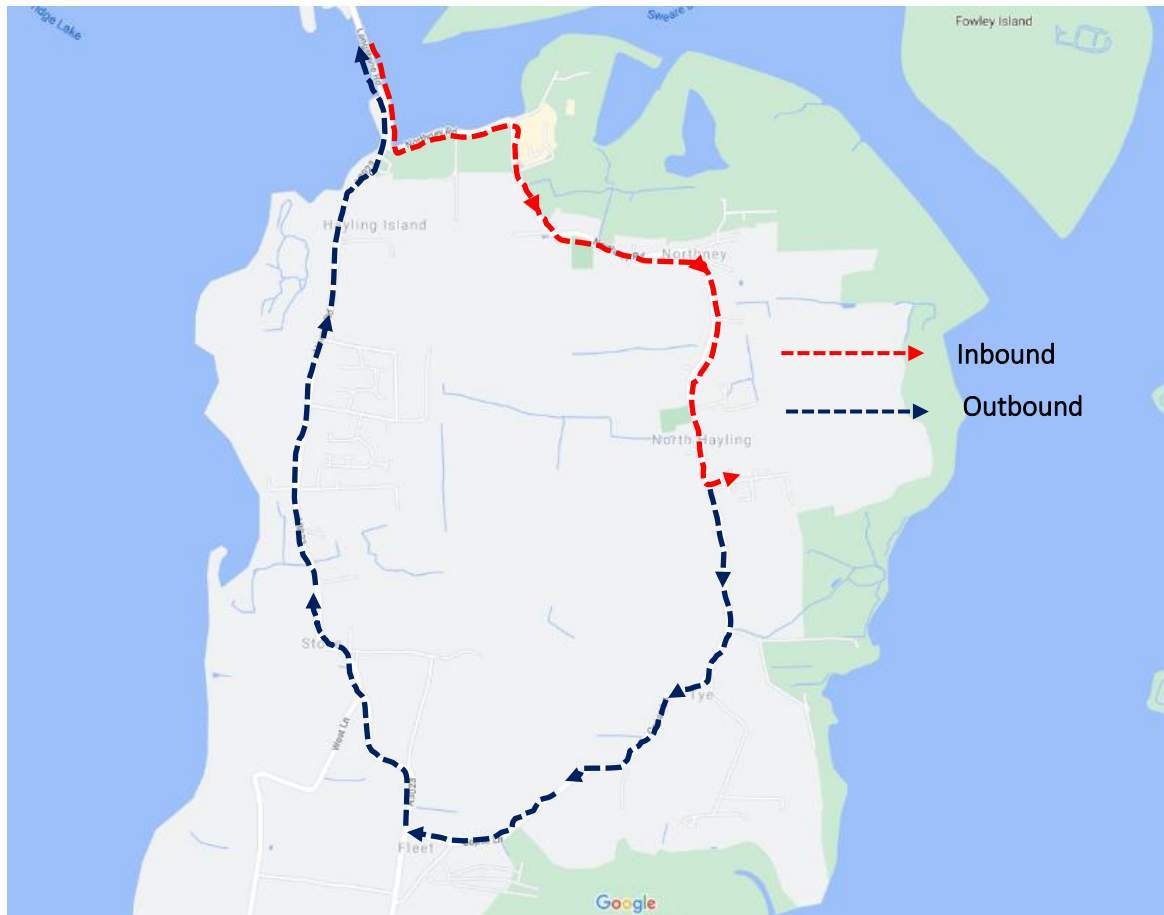
In addition, no HGVs associated with the development will be parked up or waiting, in the close

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surrounding areas during these times.

These conditions will be conveyed to all relevant parties when placing material and subcontract orders.

SITE ACCESS AND TRAFFIC MANAGEMENT



Access for concrete deliveries, muck away lorries and any large deliveries will be via the route shown above so no congestion of two vehicles passing each other can occur around Northney Rd, St Peters Road and Copse Lane.

Access routes for construction personnel, visitors and delivery vehicles will be developed to suit acknowledged constraints and conditions.

Access to the site will still be possible along the exiting road, we will ensure this route will be maintained throughout the project.

Construction vehicles will be managed and prevented from causing obstructions to the highway.

Defined traffic management procedures are imperative for the efficient handling of materials and waste for the project, but also to ensure effective management of vehicles, passing traffic and pedestrians.

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The traffic management plan will be controlled by our Site Manager and reviewed regularly.

The material deliveries and waste away will be within a controlled zone at the site entrance.

Vehicles will turn off engines when delivering and will be turned away when the loading area is in use to ensure no localised waiting.

Our Project Manager and Site Manager will manage the traffic.

All deliveries will be booked in advance to ensure single delivery accommodation and coordination with waste removal.

Sizes of deliveries will be restricted and kept to a 'just in time' where possible.

All suppliers and contractors will be given prior instruction for the route and procedure for deliveries and vehicle details.

All materials will be delivered and offloaded into the site by 'hiab' crane or excavator onto the hardstand ground via the hoarding entrance.

A lifting plan will be implemented in relation to all lifting operations involving lifting equipment.

All lifting operations will be undertaken in accordance with Lifting Operations and Lifting Equipment Regulations 1998 (LOLER).

- Muck away Lorry 9m x 2.5m (Dwell time 30min per load)
- Concrete Lorry 9m x 2.5m (Dwell time 40min per delivery)

We have reviewed the traffic route and are not aware of any other known developments occurring within our construction phase.

CONSTRUCTION PARKING

Construction parking will be limited to onsite only. No one will park in the neighbouring streets.

NOISE

Noise generated by the construction process will be considered and its impact on neighbouring areas and properties mitigated.

Suitable mitigation measures to be used include:

- Standard 'daytime' construction hours
- The use of quieter alternative methods or mechanical plant, where reasonably practical
- Locating plant, equipment, site offices, storage areas and worksites away from neighbouring properties where reasonably practical.
- Machines and equipment, in intermittent use will be shut down or throttled down to a minimum when not in use.
- The use of site hoardings or portable acoustic enclosures/screens to prevent noise travel.
- Maintaining and operating all vehicles, plant, and equipment such that extraneous noise

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from mechanical vibration, creaking and squeaking is kept to a minimum

EMISSIONS FROM SITE

- All temporary site lighting will be faced into the site, and not directed outwards towards any neighbouring properties.
- During works the main air pollution emissions are the dust generated when building materials are broken up and the fumes from machinery, high pressure hoses will be used to saturate all bulk materials with water during the process and whilst loading the waste materials for disposal, machinery exhaust emissions will be kept as low as is practical by using well maintained vehicles and machinery at all times.
- Hoarding will be erected around the site to assist with reducing the visual impact and provide protection for both the construction workers and public, this will also act as a barrier for dust and waste originating from within the site.
- All HGV's removing spoil from the site will be fully sheeted to minimise the risk of any mud over spilling onto the highway.
- A wheel-washing facility will be provided, as required, for the duration of the construction works to ensure the levels of soil on roadways near the site are minimised, the wheelwashing facilities will be in the form of a hose down point located adjacent to the entrance, we will have a large hardstanding area for vehicles to park on, the demolished materials and excavation will be loaded directly into the lorry, we anticipate that the wheel washing requirement is minimised due to our concrete hardstanding at the site, any overspill will be washed off the road surface.
- The area around the site including will be regularly inspected and adequately swept to prevent any accumulation of dust and dirt.
- Burning of materials on site will not be permitted at any time in order to prevent smoke emissions.

LOADING AND UNLOADING OF MATERIALS

Loading and unloading of materials will take place within the compound to the site as designated within this plan, large items may have to be unloaded onto the road first.

We will erect BURRAS Limited signboards to direct traffic to the construction area.

Any vehicles which cannot turn within our site to exit the site in a forward gear will be reversed. out of the site with a banksman in attendance.

REMOVAL OF EXCAVATED MATERIAL

Excavated material will be loaded directly into muck away trucks onsite. Material will not be stockpiled onsite.

DELIVERY OF PLANT & MATERIALS

All materials associated with the development process will be stored within the site boundaries.

Skips and other plant will also be stored within the curtilage of the site.

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A dedicated loading and unloading area for plant and materials will be provided.

BURRAS Limited will ensure that the section of outside of the site will be kept clear at all times.

We will work closely with neighbouring properties regarding deliveries, and vehicular holding areas, thereby minimising disruption to the public.

There will be a qualified Banksman whose duties will involve the management of delivery vehicles when required.

The Banksman will wear high visibility clothing at all times and will direct vehicles and pedestrians when delivery vehicles require access and egress to and from the site.

The majority of material deliveries will be off-loaded by the vehicle hiab/crane and distributed directly to its designated area of installation, however, a dedicated storage area will be provided on site when this is not possible.

Lorry standing-times will be kept to a minimum wherever possible.

An new hard standing at the site will be utilised for storage areas, loading/unloading, traffic and pedestrian routes on-site.

This will provide a clean surface for manoeuvres, and will help to prevent vehicles from carrying mud and debris onto the public highway, this is of particular use during the loading and unloading of vehicles and excavation phase.

Large vehicular deliveries to the site will be pre-booked wherever possible, to avoid congestion/

All deliveries will then be met by our Banksman who will assist vehicles entering, exiting and manoeuvring into and out of the site.

We will adopt a procedure to maintain the cleanliness of the roads and carriageway.

At the initial stages of the project when vehicles are entering site and are possibly running on made up ground, wheel washing procedures will be implemented along with regular road cleaning if required.

This will continue until a more permanent surface is established across the site, regardless of this, the cleanliness of the highway will be maintained.

STORAGE OF PLANT AND MATERIALS

An area on site has been allocated for the storage of plant and materials during the construction period.

It will be our Site Managers responsibility to coordinate the delivery of materials in a just in time basis in order to utilise the area designated.

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VEHICLE WHEEL WASHING FACILITY

It will be our policy to adopt a procedure where vehicles carrying mud and excavated materials. will be washed close to the exit point to ensure that all vehicles leaving the site are adequately. cleaned and will not contaminate the surrounding roads, we will hold on site a water fed pressure washing system.

PROJECT TEAM ACCOMMODATION

The project team offices are to be located at the rear of the site, the welfare facilities will consist of a dedicated toilet and a dedicated 20ft welfare unit, the site office will be located within the adjacent site cabin.

We will have a storage container outside the site cabin.

The location of the site set up will allow for security of access to the site and monitoring materials. deliveries and safe personnel access.

SITE WELFARE FACILITIES

The adequate provision and appropriate location of welfare facilities is a significant factor in the creation of a productive site environment our facilities will comply with the CDM 2015 Regulatory requirements.

It is also important to recognise, that the provision of “good” welfare facilities will contribute to making the project an attractive project to a prospective workforce.

The location of site accommodation considerably influences the amount of productive time that is lost travelling to and from the site accommodation to the work sites.

Initially facilities will be located at the rear of the site and eventually supplemented by welfare facilities on other areas of the site, we will enable this from our mobile site welfare units.

REMOVAL AND DISPOSAL OF WASTE

In the interest of Health and Safety / general welfare / efficiency and image, maintaining clean and tidy site will be given an appropriate high level of recognition.

Whilst responsibility for maintaining a clean and tidy site remains clearly with us, the developed strategy will ensure that all parties including the sub-contractors contribute practically to maintaining a clean and tidy site within a framework of clearly defined responsibilities coupled with appropriate penalties for non-compliance.

In this regard we will ensure clear and precise requirements are defined within any subcontractor’s tender enquiry documents.

Within the overall strategy, BURRAS Limited will be responsible for: -

- Ensuring appropriate; defined exits for the removal of rubbish and waste materials

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- Establishing appropriate collection points for Contractors use
- Provision of appropriate skips in relation to the waste being generated
- Skip removal; waste disposal; skip replacement
- Provision of adequate plant; temporary works (as required) and operatives, to support the overall strategy
- Provision of necessary resources to undertake additional cleaning at required stages of construction, and at completion, via:
 - directly employed operatives
 - specialist cleaning

Through the health and safety regime, positive attitudes will be developed in relation to cleanliness and tidiness, both with employed organisations and individual employees.

We will ensure compliance with all statutory regulations and promote best practice in relation to maintaining a clean and tidy site; waste removal and disposal.

TEMPORARY FENCING, BARRIERS, PUBLIC PROTECTION & SECURITY

Site security is of particular importance to this project, the level of security will increase as the project develops.

All personnel working on site will be required sign in, and will be wearing full PPE.

The perimeter hoarding being the first line of defence is expected to be left in place throughout the project.

SCAFFOLDING & HOARDING

The entire site boundary will be hoarded throughout the development process, and will be in a presentable and professional style, the hoarding will be erected prior to any works.

The hoarding will increase site security, and protect members of the public, particularly during the construction stage of the development.

Mandatory safety signage will be displayed around the perimeter for the general public and visiting vehicles.

Mandatory safety signage will be displayed on the access gates for construction staff entering the site.

The external hoarding will be kept clean and tidy at all times.

TEMPORARY SIGNAGE

The general temporary site signage is provided to enhance site control, safety and security.

A Project Signboard/Main Information Sign of approved design will be positioned at the site entrance to advise all personnel.

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In addition, strict access limits to certain areas will be enforced within the programme with appropriate signage and physical measures located throughout the project.

HANDLING AND STORAGE OF MATERIALS

The logistics of supplying the right materials to the right place at the right time is of prime importance.

Avoiding over congestion on site will require an effective regime in terms of handling and storage of materials.

This will largely depend upon deliveries being carefully planned, co-ordinated and delivered to suit the needs of the programme.

To achieve this, the following will be instigated: -

- Adequate hoisting/off loading/handling facilities
- Delivery schedules
- Palletised loads
- Pre-planned storage areas
- Just-in-time deliveries

Materials will, wherever possible, be brought to site for delivery straight to the work face.

The timing of deliveries will avoid peak times, particularly at the start and end of the working day.

Our site entrance area is of a suitable size to accommodate this facility.

TEMPORARY SITE SERVICES

ELECTRICITY

A temporary generator will be used for power supply, complying with all current regulations (exact location to be determined). This will be until the permanent supply is established.

Within the construction area, power distribution at 110v and safety lighting will be installed to connect tools, and task lighting.

WATER & DRAINAGE

The water supply and waste supply will be established before work commences onsite.

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CONTROL OF NOISE & DUST

NOISE

Noise generated by the construction process will be considered and its impact on neighbouring persons/business/properties mitigated.

Suitable mitigation measures to be used include:

- Standard construction hours.
- The use of quieter alternative methods or mechanical plant, where reasonably practical.
- Locating plant, equipment, site offices, storage areas and worksites away from neighbouring properties where reasonably practical.
- Machines and equipment, in intermittent use will be shut down or throttled down to a minimum when not in use;
- The use of site hoardings or portable acoustic enclosures/screens where practical.
- Maintaining and operating all vehicles, plant and equipment such that extraneous noise from mechanical vibration, creaking and squeaking is kept to a minimum.
- Hoarding will be erected around the site to with reducing the visual impact and provide protection for the construction workers and public, this will also act as a barrier for transferred noise originating from within the site.

We will endeavour to ensure that the noise and vibration produced by work equipment is with a view to lowering the risk when equipment is used.

We have purchased equipment that is advanced in technology and equipped with vibration absorbing features.

To ensure that operatives are aware of the effects of hand arm vibration they will be provided with adequate information on the hazard and controls and given information in order to reduce the risk.

We will also be looking at Method Statements/ Risk assessments to ensure that they are reviewing all aspect of the tools be used to complete each section of the of the works requirement.

The mitigation measures, emanating from the risk assessment, will be delivered on site via toolbox talk communication, a dust management plan, site management, piling, waste management and monitoring and measures specific to earthworks, construction and track-out.

Should it be deemed necessary, contractors are to undertake noise and hand arm vibration monitoring and, dependant on the results, further control measures will be required.

We will ensure that our sub-contractors meet all statutory requirements, and are fully competent to carry out these types of work.

The correct training will be in place to cover all aspects expected of this standard, vibration monitoring will be carried out during the sheet piling works.

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CONTROL OF DUST EMISSIONS

The principal construction activities that will generate dust are typically excavation, foundations and external works.

The materials disturbed by excavation activities are inert materials (principally crushed concrete and clay/gravel fill) and therefore the dust generated during their removal and transportation does not represent a hazard to either people or the environment.

We will also add shielding to cutting equipment.

When activities are being carried out that risk generating large volumes of airborne dust, BURRAS Limited will employ dust suppression measures.

This will normally take the form of damping down and dust screens.

Good site management will be strictly enforced to ensure work areas are kept clean and tidy at all times to prevent the migration of dust throughout the site.

There will be a fully trained Site Manager on site throughout the construction period.

We will be using water as dust suppressant where applicable and muck-away trucks will be covered to prevent wind effects on contents.

We will have a hose and pressure washer at the main entrance to prevent any dirt/dust leaving the site.

We will employ a road sweeper as required to maintain a clean road surface.

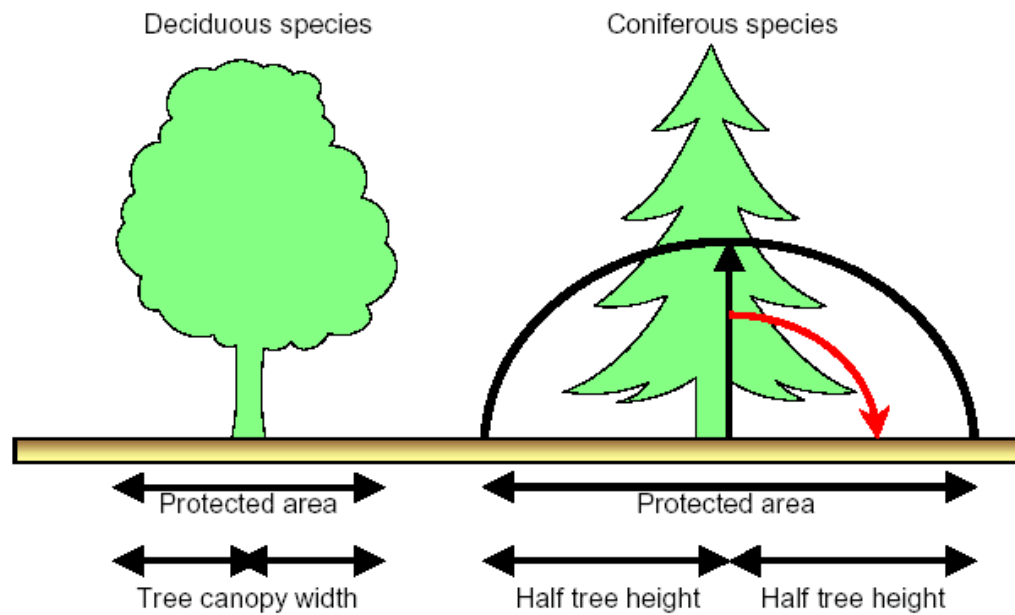
The main time where the roads will need to be cleaned within the project will be when ground works commence i.e. removal of soil /clay etc, we will monitor this carefully.

IMPACTS ON WILDLIFE

PROTECTION OF TREES

Checks should be conducted whether any trees possess TPO's on site. This can be conducted either by requesting the information from the client or contacting the Local Authority's tree officer. Damage to trees can be caused either by physical injury to branches, trunk or roots and even by changing the chemical composition and soil characteristics around the roots. This may arise by placing impervious covering around the tree roots, raising and lowering the localised water table, spillage's of hazardous materials, vehicles trafficking too close to root systems. The diagram below illustrates the expected protection area that must be afforded to both deciduous and coniferous species.

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If it is essential to dig within the protected area, efforts must be made not to damage or cut any root greater than 25mm diameter.

PROTECTED SPECIES AND MANAGEMENT REQUIREMENTS

Where protected species are found on site the Safety and Environment Services Department must be contacted immediately in order to ensure that appropriate measures are employed to manage the situation prior to site mobilisation. Where species are found to be resident on site that were not notified or identified prior to project commencement, work must be stopped in the locality likely to affect the species, and an assessment must be conducted to determine the best available approach to the situation.

BATS

All native bat species have full protection, even known summer roost are protected when the bats are hibernating in their alternative winter roosts. It is an offence to kill, injure, catch or disturb bats while they are roosting or to damage, destroy or obstruct and even enter bat roosts themselves. Prosecution of offences may carry a fine of £5.000 per animal injured or killed.

If bats are identified or likely to be disturbed then a bat survey will be required to be conducted by a recognised bat consultant. Advice must be sought from Safety and Environmental Services Department and statutory consultees. Contact should be made with the local bat group via the relevant nature conservation body who will be able to inform site management of the known presence of bats on site.

In circumstance where bat roosts are located on site within buildings that will undergo structural alterations or demolition, mitigation measures will be imposed by the nature conservation body stating that an identical bat habitat must be afforded within the new design. Confirmation of the

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remedial works must be passed onto the design and build team or the relevant architect in order for the roost to be accommodated into the building layout.

BADGERS

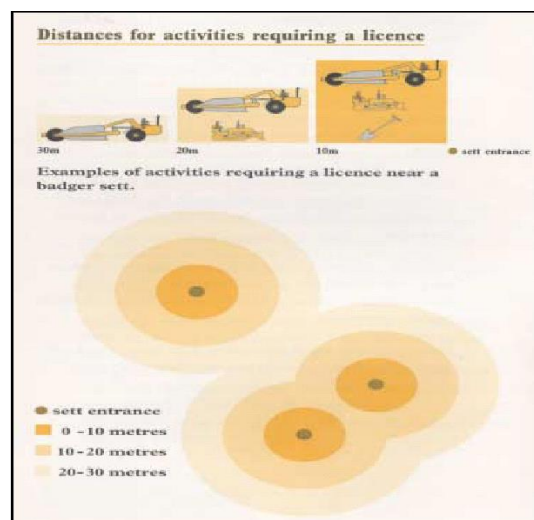
When badgers are identified as being present on site it is expected that disturbance will be kept to minimum. Specific guidelines exist in Planning Policy Guidance notes (PPG9): Nature Conservation. It is the planning authorities responsibility, in conjunction with the relevant nature conservation body, to determine the most appropriate course of action. Local development plans devised by the Local Authority have a commitment to protecting badgers and their setts. Therefore, developments rarely occur without mitigation measures or relocation requirements being stipulated within the planning consent.

Identical protection is awarded to all badgers and setts, similar to bats. It is a criminal offence under the Protection of Badgers Act 1992 to: wilfully kill, injure or ill-treat a badger; to interfere with a sett by damaging or destroying it; to obstruct access or exits of badger sett and to disturb a badger when it is occupying a sett. Penalties for infringement of the act may result in £5.000 plus 6 months imprisonment.

Work that disturbs badgers resident on site within the site boundary is illegal without a licence. Disturbance would be classed as work that is significantly close to affect the dally routines of badger, so work conducted 30m away by heavy machinery would be classed as disturbing. The nature conservation bodies have produced guidelines referring to specific types of activities, which must be licensed prior to commencement; licences can not be issued retrospectively. Any applications must be made at least 1 month prior to the earthworks contractor starting on site. The diagram below illustrates this principle, heavy machinery (earthwork plant etc.) permitted to operate within 30 metres; light machinery (small dozers and JCB's) within 20 metres; and light work such as hand digging or scrub clearance within 10 metres.

A second form of licence may be required which a different environmental body issues. If badgers are known to use any part of the site as a territory marker or a thoroughfare from one sett to another, then a licence must be applied for to fence off the area in question from the ministry of Agriculture, Fisheries and Food (MAFF) in England and Wales and Scottish Office Agriculture Environment and

The below illustration shows how areas around the sett entrances may overlap.



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AMPHIBIANS AND REPTILES

All of the UK's amphibians and the rare species are protected under the WaCA. This includes frogs; toads, newts, snakes and lizards as contained within this said Act. Similar protection and prosecution charges can be brought as detailed within the bat and badger sections (see above).

Newts are particularly difficult to identify on site as they: -

- Only emerge from ponds during summer months – April to August;
- Only leave the ponds to find new habitats at the end of the breeding season;
- Are nocturnal, therefore investigations conducted in daylight hours will not provide realistic data hibernate from October through until late February.

Bearing the above factors in mind, extreme caution should be taken prior to acknowledging and confirming that NO newts are present on site. During the migration period, August to October, newts will readily move 500m from their original habitat, therefore caution, must be given to preventing harm from traffic movements and site activities.

In all of the above cases, protection of rare species is of paramount importance when considering environmental factors. Information gained during or after tender stage must be passed onto all contractors working on site. Specific reference must be made to the individual species and the management practices employed to protect them must be conveyed to all personnel on site, preferably during site induction's.

PEST CONTROL

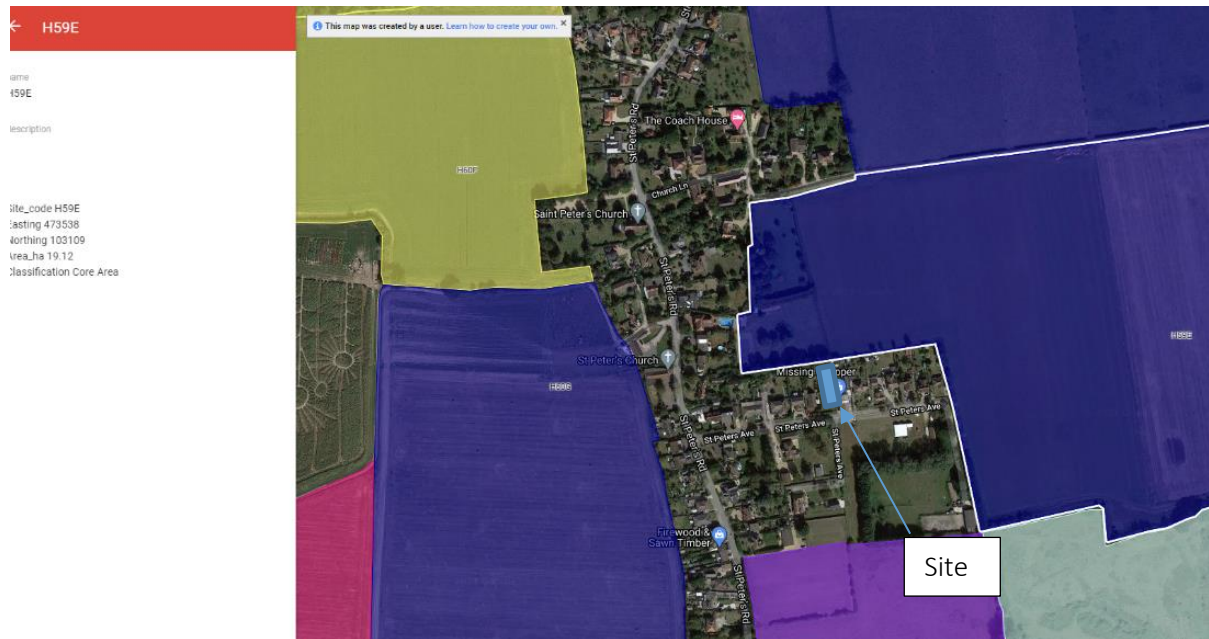
The Health and Safety at Work, etc Act 1974 requires the working environment to be "safe and healthy", this includes keeping the premises free of vermin. There are specific requirements set out in the Prevention of Damage by Pests Act 1949 and in addition Local Authorities are empowered by the Public Health Act 1936 and 1961 to take action to remove the nuisance, usually by trapping, shooting or by requiring owners and occupiers to take preventive measures.

It should be noted that some species are protected under the provisions of Part1 of the Wildlife and Countryside Act 1981. The list of protected species is set out in schedules 1-3 (birds), and 5 (animals) of the Wildlife and Countryside Act 1981. However, the following species of bird may be killed or taken by authorised persons at all times: -

1. Crow
2. Collared dove
3. Herring, great black-backed or lesser black-backed gull
4. Jackdaw
5. Jay
6. Magpie
7. Wood or feral pigeon
8. Rook
9. House sparrow
10. Starling

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H59E SITE



The back garden of the site backs on to an area H59E a high use site as identified by the solent and waders brent goose strategy.

To reduce any impact to the H59E site a secure fencing will be placed across the rear of the proposed development which would be 30m from the site boundary (as shown on the site plan). This will not only act as a root protection for the large tree in the back garden but also as a buffer zone between the construction site and the H59E site.

Following the guidance set out in the section on control of noise, dust and emissions from the site the impact on the waders and brent goose will be kept to an absolute minimum.

The highest noise will be generated while the piling is undertaken onsite even though this will be kept to a minimum due to the machinery used. It is likely to go on for two weeks in June. Brent Geese arrive in the UK from mid-September, but the majority arrive in October to early November with numbers reaching their peak in January. Birds usually depart from late February, but this can vary with season so, the work will have little to no effect on them. Waders tend to stick to mud lands the nearest of which is over 500m away. From about 30m the noise from the machinery has dispatched dramatically. Once the piling is complete there will be minimal noise generated from the site.

RODENTS

The area has the possibility for rodents to be present therefore site inspections have been carried out regarding rodent removal.

A specialist contractor will be appointed to carry out a site inspection and remove rodents if they are found on site preventing them from moving to the work sites or other surrounding areas.

SITE INITIATIVES

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Other site initiatives we will implement are as follows:

- No waste build up on site
- No eating or drinking on site other than canteen area
- Capping of drains when exposed
- Traps installed as required

We confirm that all of the aforementioned conditions will be met prior to start on site or will be on-going throughout the project.

SUMMARY

This Construction Environmental Management Plan (CEMP) has been prepared by BURRAS Limited and is site specific.

The CEMP provides information to ensure that the development works are organised and delivered in a professional and responsible manner.

It mitigates the risk of adverse impact, and promotes the safeguard of the area surrounding the development site.

It should be noted that any agreed Construction Management Plan does not prejudice further agreements that may be required.