

# **PROPOSED GREAT WOLF LODGE**

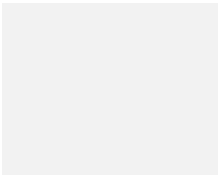
## Draft Construction Management Plan

### Great Lakes UK Limited

NOVEMBER 2019



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# 1 INTRODUCTION

This Draft Construction Management Plan (CMP) is to indicate the current proposed construction methodology for the proposed Great Wolf Lodge development ('the Proposed Development') on part of the existing golf course at Bicester Hotel Golf and Spa, Chesterton, Oxfordshire. The draft CMP details how the programme of works will be to manage and minimise construction impact to the neighbouring areas for the duration of the construction works and relates to both on site activity and the transport arrangements for vehicles servicing the Site.

Whilst submitted in support of this planning application, it is intended to be a live document whereby any refinement to the delivery methodology will be included in the final version of the CMP. The Project Manager and Principal Contractor shall work with Cherwell District Council ('the Council') to review the final version of the CMP and to address any issues that arise in relation to the construction of the development.

The scheme comprises the reconfiguration of the existing golf course (back nine) for the inclusion of the Proposed Development. The existing hotel (and leisure / spa facilities) will remain as will the front nine holes of the course.

The Applicant (Great Lakes UK Limited) and their Contractors will observe and comply with all the restrictions, limitations specifications and standards contained in and implied by the Council and the Considerate Contractors Code of Practice.

Any changes to this methodology will be submitted to the Council for approval, but the aspiration will remain that the works will be undertaken in a sequence that seeks to minimise impact on those that could be affected by the project delivery.

This CMP does not prejudice or override the need to obtain any separate consents or approvals such as road closures or hoarding licences.

Please note that this CMP is limited to the construction activities and does not deal with the Great Wolf Lodge scheme in terms of its operation post completion of construction.

## 2 SITE LOCATION AND PROJECT PARTICULARS

### 2.1 Description of The Site and Proposed Development

The Application Site is identified by the redline on the image below, which lies within the administrative area of Cherwell District Council is located approximately 500m to the west of the centre of Chesterton village and within Chesterton. It is bounded by the Bicester Hotel Golf and Spa (including buildings and front nine holes) to the South and East, the A4095 to the East and North and the M40 to the West as identified in the image below.



The Site currently accommodates part of the Bicester Golf Course with the front 9 holes and a Driving Range, Hotel and Spa and Nursery to the South of the Site, as noted on the above map. It should be noted that the Bicester Hotel Golf and Spa and associated facilities will remain open and operational throughout the works and will be adequately screened off from the building works.

The Site will have road access from the A4095, where a new entrance will be created as part of the proposed enabling works. This new entrance will be used during the construction works and will thereafter form part of the permanent entrance to the new development/resort.

The Proposed Development comprise of the construction of a 498-bedroom hotel, family leisure resort and an indoor waterpark.

Motion Consultants Limited (Transport and Infrastructure Consultants) has been appointed by Great Lakes UK Limited to advise on Highways and Transport matters associated with development proposals of a resort, they will be undertaking traffic analysis to determine the best route for servicing the Site whilst minimising any impact to the local road system. In addition, the Principal Contractor will also undertake a road traffic analysis

for the area to identify periods of high frequency traffic and tailor deliveries schedule to suit low traffic periods and times.

## **2.2 Description of the Works**

The project intends to undertake the following development works.

- Environmental Clearances
- Site establishment and new vehicular entrance
- Groundworks
- Hard and soft landscaping
- Foundations
- Building frame and envelope
- Interior fitout including FF&E and theming
- Car Parking facilities.

## **3 PROGRAMME**

### **3.1 Programme of Works**

A detailed programme of work will be agreed with the Principal Contractor in advance of any works commencing, however an overview of the anticipated and targeted programme is outlined below:

- Planning submission – November 2019
- Committee Resolution – March / April 2020
- S106 agreement – End of June 2020
- Discharge of pre-commencement conditions / planning obligations by – End of August 2020
- Tender action completed by – end of May 2020
- Start enabling works on Site - mid June 2020
- Commencement of development – early September 2020
- Completion – Soft opening September 2022
- Go live – October 2022.

The Construction Method Statement will be compiled once the Principal Contractor has been appointed along with all of the sub-contractors and they in-turn will have detailed their actions and provided detailed programmes.

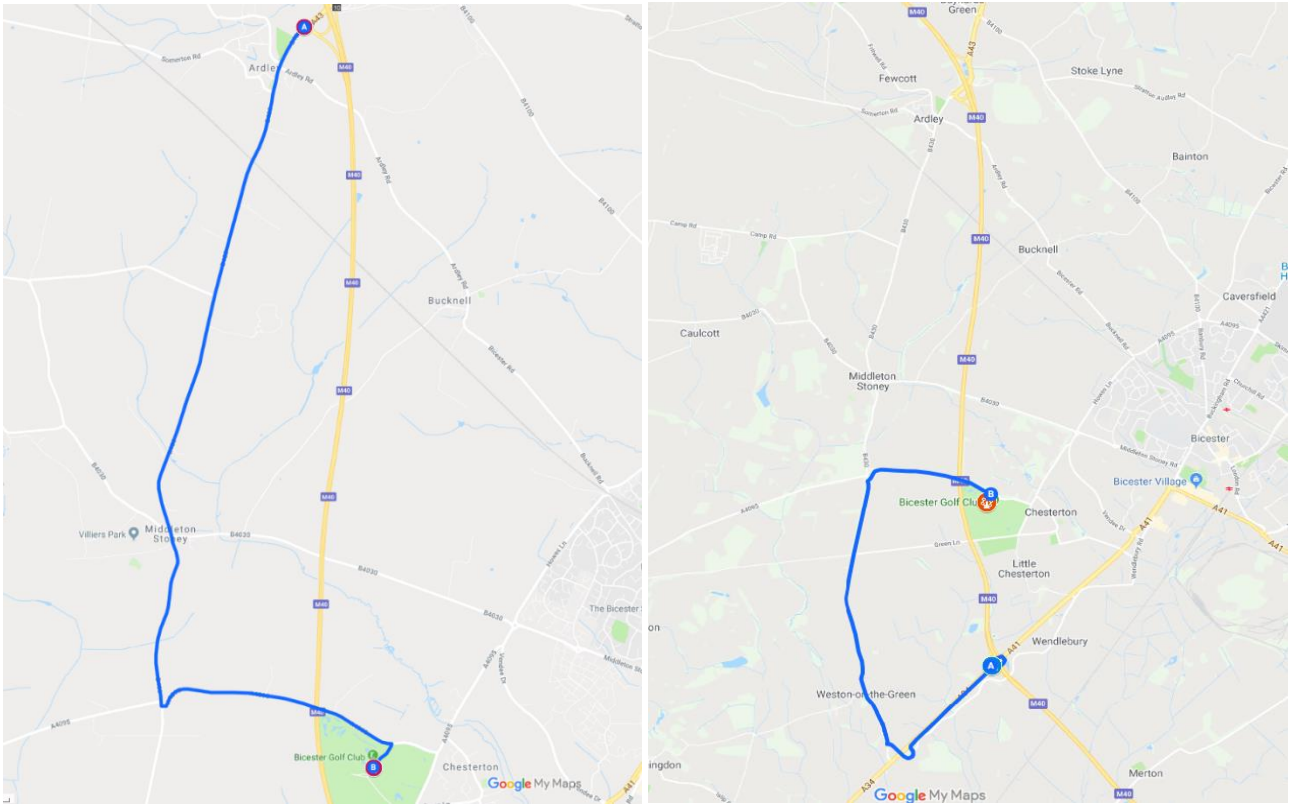
The sequencing of work will have been determined taking into local requirements to minimise road system closures during the completion of the works.

### **3.2 Construction Traffic Routes**

Traffic analysis undertaken by the traffic consultancy Motion, will determine a solution that minimises to the local traffic during peak hours e.g. school runs, however, there are two options that can be considered that would avoid driving through any villages. These are via Junction 9 or Junction 10 of the M40, along the B430 and A4095 as noted on the maps below. This will again be reviewed by the Principal Contractor when they have been appointed.



Egress from the Site will be controlled to minimise impact to traffic flow and as noted above, new entrance to the Great Wolf Lodge will be created for construction traffic, which will later be converted into the permanent entrance. Please see map below for details.



### 3.3 Site Access and Servicing

Traffic entering the Site will be able to pull into a holding area to avoid disrupting traffic flow past the Site. As vehicles leave the Site, the intention is to have a wheel washing and road sweeping facility to ensure roads around the Site are clean.

### 3.4 Methodology

As noted above a detailed programme will be developed with the Principal Contractor emphasising that the Golf Club will remain operational during the works and to minimise disruption to the residents.

### 3.5 Enabling Works Package

It is intended to place an Enabling Works package prior to the Principal Works Package. The Enabling Work Package will commence June 2020 and will comprise of the following:

- Obtaining the relevant licences and approvals
- Undertake temporary utilities connections
- Create temporary works access where the permanent access to the hotel will be located
- Conclude Site Contamination surveys
- Commencing the Environmental Impact Assessment requirements to safeguard the habitat and local ecology

- Undertake any such activity as directed by the Archaeology Plan.
- Install the hoarding and fencing as appropriate to make the Site area secure, to realise the environmental requirements and to keep the public safe
- Create new ponds
- Make safe the Public Rights of Way if a temporary suspension is not taken, by re-routing the public pathway around the working area maintaining separation of the public from the Site and highway.

It should be noted that the Public Rights of Way will be re-routed (as part of a formal diversion application) prior to commencement of the works.

## Ground and Foundation Works

Following completion of the Enabling Works, it is intended that the Main Works will commence in August 2020 and will comprise of the following:

- Confirm Environmental requirements have been met
- Complete/adapt site set-up
- Undertake any such activities as directed within the Archaeology Plan
- Undertake any decontamination activities and establish clearances
- Commence site earthworks and rock excavation
- Remove any excess material from site (for reuse by other)
- Commencing piling and foundation works, the spoil will be controlled and processed to mitigate any environmental impact. In addition, localised dewatering will be required and installed enable to excavations for foundation and below ground services
- Install grey and surface water tanks and swales/ponds
- Waterpark structure
- Car Park rough surface for use during construction
- Car Park surfacing
- Soft and hard landscaping.

## Frame and Envelope

- Construction of the building frame
- Exterior envelope construction
- Water Leisure facility creation.

## Interior Fitout

- Commence interior fitout to all facilities including theming and FF&E
- Complete water park facilities
- Undertake fitout of the catering facilities
- Commissioning and testing
- Deliveries of the furniture.

## 3.6 Hours of Work

Given the Site's location (adjacent to the M40 and the traffic background noise), the impact to the neighbourhood of any works on site will be restricted from a noise perspective at any time.

The Site will seek to reduce large vehicular traffic during the peak periods to minimise the risk to school traffic. The permitted working hours for all construction works on site will be:

- 08.00 – 18.00 hours Monday to Friday
- 08.00 – 13.00 hours Saturday.

Works associated with the Proposed Development may occur on a Sunday and / or bank holidays in exceptional circumstances and with prior agreement with the local authority (except in emergencies).

## **4 METHOD STATEMENT**

### **4.1 Construction Method Statement**

The Construction Method Statement (CMS) will form part of the Building Contract and outlines the different procedures to be undertaken to complete the various works on site, however, there will be a phasing plan and a site welfare/logistic plan prepared when a suitable Principal Contractor has been selected for the works.

The contractor will be required to comply with Cherwell's Planning requirements and will be complying with the Considerate Constructors Scheme.

The Principal Contractor will incorporate the detailed requirements for environmental control, based on best working practices and adhering to current Health and Safety regulations and quality procedures.

A separate Site Waste Management Plan will form part of the Principal Contractor's obligations and will be issued when completed by the Principle Contractor.

Site teams will be engaged in the project to understand how they may impact on others and how they can contribute effectively to mitigating such impacts. The method statement will be a dynamic document and will evolve during the project.

The Principal Contractor will ensure all Sub-Contractors will demonstrate how they will achieve the provisions of the CMP and how potential impacts will be reduced, minimised or removed. The CMP calls for the Principal Contractors to provide:

- a plan of their intended activities and their sequencing
- a programme for the elements of works including labour and plant requirements
- an overall programme linking the activities
- detailed site layout arrangements
- review of the needs for access, resources, accommodation, vehicle movements, material delivery, material storage and any temporary works
- identification and protection of any trees/planting to be retained
- identification of prohibited or restricted works
- identification of any operations that could result in disturbance with duration and timing
- a procedure for notifying relevant parties of operations likely to cause disturbance
- a procedure for communications with Cherwell, neighbours, visitors, workers and site personnel
- provision for allowing complaints to be registered, responded and logged
- provisions for reporting
- details of access to and from the site for deliveries of size e.g. HGVs
- details of works affecting the public highways and footpaths, any diversions or closures needed, special signage or notices required
- on-site housekeeping procedures.

## 4.2 Application of Contractor and Trade Contractors' Own Policies

The Principal Contractor will be requested to provide evidence and use their own company policies that are relevant to this project so as to improve the outcome for all. For example, contractors will be asked to demonstrate the practical implementation of their own Environmental Management Plans, Environmental Policies, and Waste Management Policies in their methodology for delivering site operations.

The Principal Contractor will be required to comply with the Considerate Constructors Scheme within their appointment conditions. The Principle Contractor will also comply with all relevant legislation and specific Local Authority requirements will be sought and adopted. The Principal Contractor will be responsible for managing compliance of the Trade Contractors and must set an exemplary standard.

Keeping neighbours and the general public informed of the works is of key importance in managing impact. The Principal Contractor will carry out both formal and informal liaisons by way of newsletters, specific activity notices relating to any particularly unusual or particularly disruptive works such as road closures or piling works. Signage will be erected that will provide contact details of the relevant people for the Site together with site information as appropriate.

It will also be a requirement that the contractor shall follow the principles of Good Construction Practice and that the Building Contract specifically identifies the need for resources to be allocated to meeting the Considerate Constructors Scheme requirements as this will allow assessment of the Contractors' intended resources for compliance with such requirements.

The project will be delivered in accordance with the planning conditions, the Principal Contractor will be contracted to deliver in accordance with such conditions, recording all actions undertaken to execute the conditions and neighbourly matters.

## 4.3 Management of Trade contractors

The Principal Contractor will obtain evidence from all Trade Contractors of their proposals to comply with the CMP and the principles of Good Construction Practice and all other such obligations and expectations made of the Contractor. Nominated and domestic subcontractors will be required by the Contractor to adhere to the construction guidelines as agreed with Cherwell Planning.

## 4.4 Public Comments Procedure

The procedure for dealing with public enquiries, receiving positive comments and complaints will be prioritised with the Principal Contractor once appointed.

The Contractor will engage with and inform the local community and local stakeholders of particular construction tasks and indicative timelines across the individual construction phases for the overall master plan and will ensure that both parties are fully involved in any such dialogue. Matters for public consultation during the works will be brought to the public through staging drop-in exhibitions, the circulation of bespoke newsletters within the established catchment area and the use of a dedicated website. Local Stakeholders will be engaged in direct communication with the landowner, Contractor, the Contractors designers and other such Consultants as required from time to time through the established Resident's and Community Liaison Groups.

In addition to reporting in regular meetings of the Residents' and Community Liaison Groups and the Contractor and Public Consultation Consultant's procedures will allow for:

- a clear point of contact for the public to make enquiries and to submit complaints
- details of how enquiries will be registered and progressed
- advising the intended timescale for responding to the matter raised
- records of any responses given, and to whom
- escalation procedures if the response is not satisfactory.

Open forums/evenings will be held prior to start on site and throughout the construction phase to enable the local community to be kept informed of progress, upcoming works and allow opportunity for any queries to be raised.

The Contractor will be registered with the Considerate Constructor Scheme which will allow the local community to register any complaints if it is felt necessary.

## **5 ACCESS CONTROL**

### **5.1 Bicester Hotel, Golf and Spa**

The Bicester Hotel, Golf and Spa will be open and operational throughout the construction works. All facilities to the Hotel will be via the existing road and as noted above a new entrance will be created for construction traffic and guest from the A4059.

### **5.2 Site Logistics**

A site logistics plan will be provided prior to appointment of a Principal Contractor and once we have a Building Contract in place, the existing site logistics plan may change.

### **5.3 Access and Egress**

The works will be accessed via the new site entrance on the A4095 with segregated pedestrian access for site operatives and visitors. This access will be manned permanently by security during working hours who will ensure that anyone entering the site signs in.

Consideration will be given to a biometric access control system as an additional measure to control pedestrian access.

### **5.4 Construction Activity**

There will be a clear management of the interface between site and highway routes as this is an area of high risk of accidents and needs careful control. The traffic entering the sites will be controlled by gates that will be manned to provide pedestrian safety and as previously stated, there will be an area that will enable vehicles to pull off the road to minimise disruption to traffic flows.

### **5.5 Golf Club and Site Parking**

For the duration of these works, public access to the Bicester Hotel Golf and Spa will remain.

Site parking will be within the Site compound (identified by the redline boundary) so it will not impede local roads. This will be in compliance with the Site Health and Safety plan and under CDM regulation control.

### **5.6 Hoarding & Site Security**

Maintaining a secure site is important for a number of reasons but most importantly to protect third parties from entering the building and harming themselves or causing damage to the building.

The Site will have a hoarding or suitable screen erected to the following sections of the boundary:

1. Ingress / egress to the Site from the A4095
2. Along the Golf Club house and adjacent holes

### 3. Along the private road to the two dwellings

The above is to give safe working space for the proposed works and the safe storage of plant, equipment, including site welfare facilities being located inside the property. The hoarding will have access gates and will be constructed and painted to the agreed specification with contact details clearly shown on hoarding. The hoarding will also be lit for security reasons, but the lighting levels will be appropriate for the location to minimise any night-time visual impact.

Other areas of the Site will have fencing installed as appropriate and as required to maintain a safe site, the hoarding will be installed in sympathy with the surrounding environment so as not to create an imposing wall within the countryside during the construction.

The security of the Site will be maintained via a combination of CCTV cameras and site-based security guards.

A operative will be based at the gated to control vehicle/pedestrian entrance during working hours to prevent any access for unauthorised vehicles and people.

A noticeboard will be erected on the Site perimeter at the Site entrance with emergency contact details and general site progress information.

## 5.7 Site Accommodation and Amenities

The contractor's site accommodation and amenities will be contained within the Site. Accommodation facilities and layout will be provided by the Principal Contractor when they are appointed. This will be planned to ensure there is minimise impact on the local community and ecology.

## 5.8 Vehicle Access

Vehicular access to the Site will be via the new priority junction on the A4095. Details of the access regime will be provided by the Principal Contractor when they are appointed, however, onsite parking for the works would need to be reviewed and planned to ensure there is minimal impact on ecology or biodiversity.

Simple signage will be erected on surrounding roads (with local authority agreement) directing all vehicles towards the Site entrance.

### 5.8.1 Treatment of Adjacent Public Highways

Prior to works commencing a photographic dilapidation record will be taken of all adjacent highways. A copy of these photographs will be forwarded to Cherwell for their records. In addition, a shared delivery access and operative access for vehicles will be constructed to enable visitor/operative/management parking to be kept on site.

### 5.8.2 Delivery of Materials / Storage on Site

The contractor will be required to produce a logistics plan for review and agreement at the outset of the Principal construction works. This will cover all traffic management including the preparation of major delivery schedules to ensure that all materials are delivered to the agreed programme.

The Contractor will liaise with the local authority through the development of this logistics plan.

The plan will be designed to monitor, review and amend the delivery programme as necessary to fit in with the construction programme. The plan will also require the contractor to liaise with all subcontractors and suppliers to ensure that they fully understand and adhere to the programme constraints. The plan will also require the Contractor to liaise with the Local Authority Highways Engineer and neighbouring residents as required.

The Contractor will appoint a logistics manager who, in conjunction with sub-contractor managers, will plan, monitor and record storage areas and deliveries to ensure no disruption to the local community.

Although it is a large site material will not be allowed to be delivered excessively early to minimise the health and safety risks of a cluttered site.

A one-way vehicle movement system will be used, again, to minimise potential health and safety risks.

### 5.8.3 Removal of Surplus Material

A waste management strategy will be established for the Site at an early stage. This will be monitored and adapted as the construction of the building proceeds. Materials will be segregated at suitable locations around the Site for disposal of waste materials. The loading of vehicles for the removal of waste will take place within the Site hoarding.

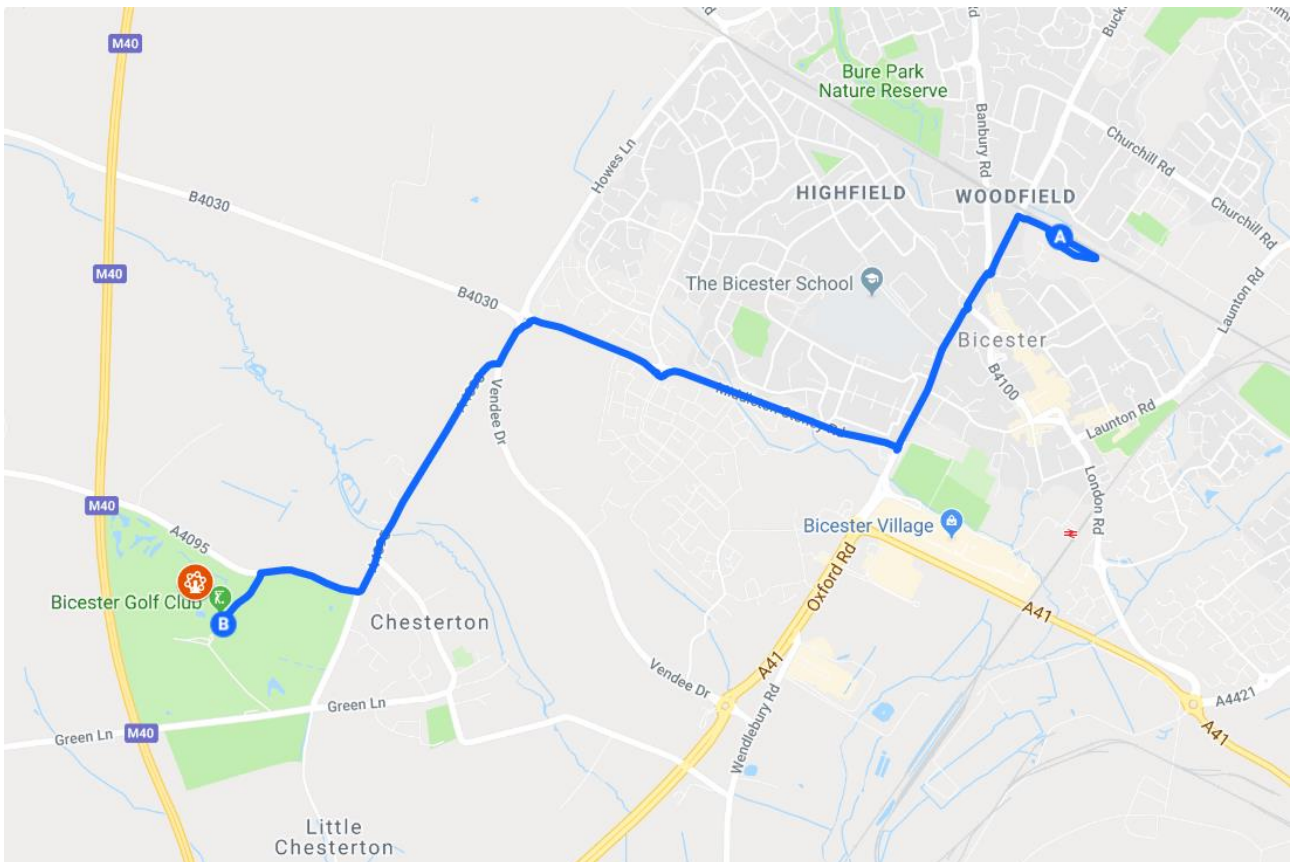
### 5.8.4 Road Closures and Diversions

At present there are no road closures envisioned for the works however should an operation require a closure to ensure safety then the required application will be submitted.

### 5.8.5 Car Parking and Travel to Site

There will be a policy of all on-site parking.

The Site workforce will be encouraged to use Public Transport and car share. Companies that employ a significant number of workers (e.g. groundworkers, frame contractors, M&E contractor) will consider the use of “crew buses”. A shuttle bus may be employed to connect the Site to the station(s) as noted on the map below:



## 5.8.6 Road Cleanliness

Precautions will be taken to contain site generated matter to within the Site boundary. The exact precautions to be taken, e.g. wheel wash facilities, will be agreed with the contractor based on the proposed methods of working.

Typical anti-dust control measures to include water-damping during construction and any de-construction, and wheel-washing upon exit.

A street sweeper may be employed if there is a perceived dust problem.

# 6 PROTECTION OF THE BUILT ENVIRONMENT

## 6.1 Management of Noise, Vibration and Dust

The need for noise and dust monitoring and any associated control measures will be carefully assessed as the method of working is developed. All works will be managed to minimise the impact on site workers, workers in the vicinity of the Site and the nearby business. In particular, the village will be considered during rock excavations.

- noise monitoring
- wheel wash facilities
- dust-damping at work face and across site
- working method of excavation selected to minimise potential noise pollution.

The contractor will prepare a strategy for noise monitoring for agreement with the Council prior to the commencement of works on site. If complaints arise these shall be investigated immediately, and action taken. Wherever possible, plant and equipment shall be switched off when not in use.

All such activities will be undertaken with consideration to the properties across the Golf Club driveway to the Site boundary.

## 6.2 Material and Resources Use

Consideration will be given to the types of plant and equipment that are likely to be required on site. Plant and material will be selected on the basis of environmental considerations and practicality as well as impact on the neighbourhood.

## 6.3 Utility Services

### 6.3.1 Water

All relevant contractors shall investigate opportunities to minimise and reduce the use of water, such as:

- Selection and specification of water efficient fixtures and fittings in site offices;
- Implementation of staff-based initiatives such as sensor taps on site and within site offices
- Use of recycling water systems for wheel washes and cleaning roads
- Monitor and record data on potable water consumption (m<sup>3</sup>) from the use of construction plant, equipment (mobile and fixed) and site accommodation necessary for completion of the applicable construction process  
Using the collated data report the total net water consumption (m<sup>3</sup>), i.e. consumption minus any recycled water use, from the applicable construction process.



### 6.3.2 Energy and CO2

All relevant contractors shall investigate opportunities to minimise and reduce the use of energy, such as:

- Use of alternatives to diesel / petrol powered equipment where possible
- The incorporation of sources of renewable energy if possible, to offset the use of mains utilities
- Selection and specification of energy efficient plant and equipment
- Implementation of staff-based initiatives such as turning off plant and equipment when not in use both on-site and within site offices
- Monitor and record data on energy consumption (kWh) from the use of construction plant, equipment (mobile and fixed) and site accommodation necessary for completion of the applicable construction processes
- Using the collated data report the energy consumption (total kWh and kWh/£100k of project value) and carbon dioxide emissions (total kgCO<sub>2</sub>eq and kgCO<sub>2</sub>eq/£100k of project value) from the applicable construction process
- Monitor and report CO<sub>2</sub> or energy use arising from commercial transport to and from site

### 6.3.3 Pollution

All relevant contractors shall investigate opportunities to minimise and reduce the quantum of pollution, such as:

- Adopt best practice policies in respect of water (ground and surface) pollution and air (dust) pollution occurring on the Site
- All site activities that generate noise shall follow British Standard (BS) 5228 (Ref. 17-32) to minimise impact on neighbours.
- All plant and equipment to be used for the works shall be properly maintained, silenced where appropriate, and operated to prevent excessive noise and switched off when not in use and where practicable
- Plant shall be certified to meet relevant current legislation and Noise and Vibration Control on Construction and Open Sites (BS 5228) Standards.
- All Trade contractors shall be made familiar with current noise legislation and the guidance in BS 5228 (Parts 1 and 2) which will form a prerequisite of their appointment;

## 6.4 Protection of Water Resources

Water resources will be protected from potential contamination during any deconstruction and the construction phases. An assessment of potential sources of contamination will be undertaken and mitigation measures agreed. All substances that could cause contamination (e.g. diesel fuel, oils,) will be stored on surfaced areas and within dedicated bunding zones.

## 6.5 Protection of existing Ecology and Biodiversity

With the extent of Ecology and Biodiversity on site, it will be key to ensure that all areas of interest and securely fenced off. This will form part of the enabling works package that will occur before the commencement of the main works.

## 6.6 Energy and Water Use

The Principal Contractor will investigate opportunities to minimise the use of energy and water. Opportunities to be considered are:

- alternative means of working
- use of alternatives to diesel / petrol powered equipment such as electric powered equipment
- selection and specification of energy efficient plant and equipment
- green energy policies for on-site staff and accommodation e.g. use of sensor taps

## **7 EMERGENCY RESPONSE PLAN, SITE SAFETY AND CDM**

### **7.1 Contacts, Responsibilities and Emergency Response**

The Principal Contractor will provide contact details for each element of the construction programme so a clear 'go to person' is identified for each element e.g. noise control, dust control, traffic management, etc. and will be required to relay all incidents to the Project Manager. This will be made available prior to start on site and maintained for the duration of the development.

An incident response and emergency action plan will be prepared for the development. This will cover such items as:

- Site location address plan and directions
- Description of the works
- Distribution list (Cherwell, Emergency Services, etc.)
- Emergency contacts (police, hospital, services infrastructure providers - gas, electric, water)
- Control of Substances Hazardous to Health (COSHH) Inventory
- Pollution escalation procedure
- Site protection facilities (alarms, extinguishers etc.)
- Site fire safety plan
- Permit to work systems and procedures.

### **7.2 Site Safety and CDM**

The Principal Contractor will be required to submit a project specific Construction Phase Health and Safety Plan (CPHSP) together with a full up to date copy of their Health and Safety Policy to the Client for record purposes, including all updates throughout the course of the works. Attention is also drawn to any Client project specific Construction Health and Safety Policy, which may be developed for the Works. The developed CPHSP shall be executed by the Contractors Principle Designer for review no less than 14 days before the proposed start of construction work. The CPHSP shall include, as minimum, details for site setup, the fire safety plan, proposed access arrangements, and safe methods of work for initial construction activity.

### **7.3 Site Safety Objectives**

To protect the health and safety of those involved in construction and those affected by associated activities by complying with statutory requirements as a minimum and supplemented by industry current best practice at all times:

- Ensuring the competency of those involved in the project, including operatives, sub-contractors and site management etc.
- Identifying and eliminating hazards wherever possible and reducing and controlling those risks that remain both during the Works and throughout the lifecycle of the remaining structure.

## 7.4 Arrangements for Monitoring and Review of Safety

The Principal Contractor will make arrangements to adequately monitor and review the safety performance of all activities involved in the project. The site management team would normally undertake formal monthly inspections, recording observations and action taken. Independent safety inspections will also be undertaken, normally on a weekly basis, however more frequent visits may be required depending on the intensity and hazardous nature of the on-site activities.

- The Principal Contractor shall appoint competent members to the site management and supervisory team. Records of safety training must be provided for the project team, in particular the Site Manager, prior to commencement of the works. Use of independent safety advisers will be necessary where competent persons are not available in-house.
- As well as on-going liaison using established communication techniques, formal liaison will be maintained through Project Team Meetings where health and safety performance will be discussed as an agenda item.

## 7.5 Welfare Facilities

- All facilities to be provided by the contractor are to be in accordance with Schedule 2 of the Construction, Design and Management Regulations 2007
- Details of the contractor's site establishment, including welfare facilities, are to be included within the Construction Phase Health and Safety Plan
- Security Arrangements and CCTV will be included
- Following site possession, the contractor shall ensure that the work area and contract activities minimise safety and security risks during the course of works. This shall include arrangements for periods of non-attendance such as overnight, weekends and site shutdown periods and may require the use of additional security attendance
- The Principal Contractor is to establish a Site Attendance Logbook to ensure that those in control of the site are aware of all persons in attendance in the event of an emergency
- Electronic personnel logging may be used (e.g. fingerprint readers) in combination with CCTV coverage of site entrance points.

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