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OUTLINE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

INTRODUCTION

This Outline Construction Environmental Management Plan (CEMP) describes how a Generic and detailed Site Specific CEMPs will be developed to avoid, minimise and mitigate any construction effects on:

- the environment
- existing surrounding communities
- new residents of Sherford

PLANNING POLICY CONTEXT

The South Hams District Council Sherford Area Action Plan (AAP) describes the Outline CEMP as follows (pages 66 and 67):

“This will provide the management framework needed for the planning and implementation of construction activities in accordance with environmental commitments identified within the Environmental Statement and any requirements of planning conditions or Section 106 legal agreements. The CEMP will have to be regularly monitored and revised to reflect and incorporate the S106 requirements. Its purpose is to reduce the risk of adverse impact of construction on sensitive environmental resources and to minimise disturbance to local residents.”

Detailed CEMPs will then be produced as part of the detailed submissions of reserved matters for the release for each development phase. The Outline CEMP will describe how the detailed CEMPs will work, how they will be produced, how statutory authorities and other interested groups will be able to interact with the process, and how the control of construction aspects will be achieved.”

STAGES OF THE PROJECT DEVELOPMENT

The identification and control of the construction related environmental effects take place during a number of phases of development of the project:

- Outline Design: the environmental effects of the proposed construction have been assessed, as part of the Environmental Impact Assessment (EIA). The results of the EIA are presented in the Environmental Statement (ES). Each chapter of the ES describes the environmental mitigation that will be applied during construction to reduce these effects
- Pre Site Commencement: A Generic CEMP and a Site Specific CEMP for the Main Street will be agreed with the relevant authorities prior to commencement on site
- Detailed Design: the detailed design will be

developed in accordance with the Generic CEMP. This will aim to reduce whole life impacts as far as practicable

- Reserved Matters Applications: a Site Specific CEMP will be submitted with each of the reserved matter applications and agreed with the relevant authorities
- Construction: all works will be undertaken in accordance with the Generic and Site Specific CEMPs. This will aim to ensure that any residual effects following the design process are mitigated as far as reasonably practicable

GENERIC AND SITE SPECIFIC CEMPS

The Generic CEMP will define the general approach by which the project will be undertaken and describe the environmental management system for the whole site. It will show how best practice environmental performance will be achieved wherever practicable.

Site Specific CEMPs will be prepared for each phase of the works. These will be written in accordance with the Generic CEMP and will detail the specific environmental obligations and constraints (over and above those covered in the Generic CEMP) for that area of the site.

Both the Generic and Site Specific CEMPs will include the following generic documentation:

- A Management Structure, which includes an organisational chart encompassing all staff responsible for environmental work. This will set out the respective roles and responsibilities with regard to the environment and identify the nominated environmental manager
- An internal environmental audit programme, for example ISO 14001
- An Environmental Risk Register and associated procedures, which show how environmental risks will be addressed
- Procedures for environmental training of all permanent site staff, temporary staff will be covered within the 'Toolbox Talk'
- Procedures setting out how internal communication will be programmed, managed and documented in respect of all environ-

mental matters

- Procedures for handling external communications, liaison and complaints including the development and maintenance of a clear audit trail
- Procedures for monitoring, recording and disseminating the environmental information and performance
- Procedures for addressing non-compliance and corrective actions
- Procedures for dealing with major incidents, unexpected occurrences or finds during construction, particularly related to:
 - Air quality (for example dust)
 - Cultural Heritage (for example archaeological finds)
 - Ecology (for example protected fauna/flora)
 - Ground quality (contamination issues)
 - Noise and Vibration
 - Water resources

In addition, the CEMPs will include the following detailed information as appropriate:

Construction Works

- Location of the works, including a site plan, showing construction site boundaries, position of plant and any sensitive receptors e.g. trees, watercourses, local residents etc
- A description of the works to be undertaken
- A detailed programme of the construction activities:
 - Proposed dates and sequence of the works
 - Details of proposed normal working hours and intended start up and close down times
 - Outline of any works which may require construction activities outside of normal working hours
- Equipment and plant to be used (including type, make and expected number)
- Vehicular access routes/points:
 - Location plan of each access route/point
 - List of activities for which each access point is to be used
- Method of delivery/removal of materials and plant

- Details of proposed site accommodation
- Personnel access routes/points:
 - Location plan of each access route/point
 - List of activities for which each access point is to be used
- Details of how public right of way and access to property will be retained and managed
- Construction travel plans, including proposals for shared travel, car parking restrictions, use of the Park and Ride and public transport
- Location of secure storage facilities for tools and equipment

Legal Requirements

- Schedule of appropriate environmental legislation and good practice that will be adhered to, which is both current at the time of contract and which may come into force during the course of the contract
- A list of specific objectives and targets that have been imposed by planning conditions and agreed in consultation with third parties
- A register of permissions and consents required, with responsibilities allocated and a programme for obtaining them

Environmental Requirements

- Procedures for monitoring construction processes against the project environmental objectives and for the appropriate action if thresholds have been breached
- Procedures for reporting any spillages/pollution incidents to the relevant authorities
- Procedures for co-ordinating the monitoring results to ensure that the combined effect of the works in different locations does not trigger threshold levels
- Schedule of potential significant environmental effects relating to each activity (this should draw upon the definitions of significant effects used in the ES and relate to those effects identified)
- A specific Environmental Risk Register relating to each activity
- Monitoring proposals, which shall include:
 - The receptors for which monitoring will

be undertaken

- Frequency of monitoring
- Factors against which the monitoring results will be analysed
- Threshold levels
- Speed at which results will be analysed
- List of organisations/individuals to whom results will be distributed
- Actions to be taken in the event that thresholds are breached

Management Plans

- Specific management plans relating to the following topics:
 - Cultural Heritage
 - Ecology
 - Landscape
 - Lighting
 - Noise and Vibration
 - Pollution incident control
 - Topsoil
 - Traffic
 - Waste

Communication

- External Consultation
 - A list of those notified of the works and the date notified
 - A list of proposed notifications and dates
- On-site mitigating measures for each effect and risk which will form part of the toolbox talk for all site based staff

ENVIRONMENTAL MONITORING

Environmental investigations and monitoring will be undertaken in order to provide information to be taken into account during construction and feed into the CEMPs, and to evaluate the environmental effects of the construction process.

These site investigations provide more detail to the investigations that were undertaken as part of the ES, but do not broaden the scope of those investigations. They are principally required to establish more precisely where mitigation is to be applied.

Table 1 shows the general approach to environmental monitoring and the development stages at which it will be carried out.

CONCLUSION

The CEMPs will ensure that the best environmental practice is achieved throughout the development and that all sensitive environmental and residential receptors are protected as far as possible.

These documents will remain live so that as more information and details become available it can be incorporated.

Table 1: Monitoring Chart

Stage	Site Investigations	Monitoring
Pre Construction	Investigations to establish further detail of the environmental conditions on site	To set a baseline against which construction effects can be assessed
During Construction	Further investigations as the work proceeds	Monitoring against the standards set above
Post Construction	None	Monitoring of the success of mitigation measures (e.g. habitat creation) where the contractor will remedy failures