
The Curlew, Petersfield Rd

Demolition of The Curlew Public House, and construction of new dwelling.

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

January 2018

Version: 1

1. Introduction

- 1.1 This Construction Environmental Management Plan (CEMP) has been prepared pursuant to Condition 3 of the planning permission, granted by Hampshire County Council in 2017.
- 1.2 The principal objective of this CEMP is to ensure that during the construction phase of the project, measures are implemented to avoid, mitigate and minimise potential environmental impacts, in line with industry good practice.
- 1.3 This CEMP provides guidance on the management system approach that will be adopted by the Principal Contractor, its Contractor(s) and Workers during the construction phase of the project. It shall be the Principal Contractor's responsibility to implement the requirements of the CEMP and to monitor the performance of the Contractor(s) to ensure they meet the appropriate CEMP requirements. Each Contractor shall be responsible for implementing their own management plan in accordance with the requirements of the CEMP.
- 1.4 This CEMP covers the construction phase of the project. It takes account of the following:
 - **Policy** – compliance with the Operator's Environmental Policy;
 - **Planning** – an assessment of potential environmental impacts and design of mitigation measures;
 - **Implementation** – undertaking the works in accordance with the agreed plans and procedures;
 - **Monitoring** – monitoring the effectiveness of mitigation measures;
 - **Mitigation Measures** – where identified undertake corrective action, including where operations, personnel, risks or requirements change; and
 - **Management Review** – undertake regular management team review of environmental performance.
- 1.5 Being a project that will exceed 500 person days, the construction project is notifiable to the Health and Safety Executive under the Construction (Design and Management) 2015 Regulations. The measures set out in this CEMP will be incorporated into the planning, management and monitoring requirements of the Principal Contractor and Contractor(s).
- 1.6 The works will also be undertaken in accordance with the requirements of an Environmental Permit, which will be prepared and will be submitted to the Environment Agency for their approval prior to any works being undertaken on site. This Permit will include requirements for the environmental management of proposed operations.
- 1.7 The works will be undertaken in accordance with the approved Phasing Plan, which is provided as Appendix A to this CEMP.

2. Process Description

- 2.1 The first phase will comprise improvements to the existing access, including the installation of site security. The arrangement will be thereby ensuring that an HGV can safely pull in off the public highway.
- 2.2 The second phase will entail further enabling works, principally:
 - The removal of any asbestos find within the survey by a licensed contractor.
 - The soft strip of the building for fixtures and fittings.
 - The existing building will then be carefully demolished by piecemeal using methods described in the within the demolition phase plan.
- 2.3 The third phase will see the fill operation, with a wide platform of compacted material formed to the specified height aligned to the proposed ridge. Topsoil (typically the top 0.2-0.4m) will be stripped ahead of the car parking areas. The top soil will be stockpiled in the location shown on the construction phasing plan in anticipation of phased restoration.
- 2.4 The fourth phase will create the final restoration profile, moving back across the site from side to the other. The topsoil will be stripped from the land ahead of the fill operation and re-applied as part of a rolling restoration programme, before the final stage of landscape planting. The proposed planting schedule has been informed by the recommendations set out in the landscape and visual appraisal and ecological assessment.
- 2.5 Construction work will generally be undertaken during daylight hours, and in any event within the hours of 7.30am to 17.00pm Monday to Friday and 7.30am to 13.00pm on Saturdays. There shall be no operational working on Sundays or bank holidays.
- 2.6 The final restoration works will see the vast majority of the site transformed to suitable ground and roads as seen within the plans, with new boundary planting providing landscape and biodiversity enhancement. Throughout the works the all Public Right of Way shall remain unaffected.

3. Operating Methods

- 3.1 The following operating methods will be implemented during the construction phases of the project, as set out in the submitted Phasing Plan. The following table presents how the principal works undertaken during the construction phase of the project will be implemented.

Topsoil Stripping and Stockpiling			
Operating Methods	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Topsoil stripping will principally be undertaken using an excavator and dump truck. Topsoil will typically be stripped to a depth of approximately 150 to 200mm.	For the compound area only, works will be undertaken following completion of an ecology inspection. Works will be undertaken between 07:30 and 17:00 Mondays to Fridays and 07:30 and 13:00 on Saturdays. Works will be undertaken in accordance with the dust management plan and the noise management plan (See Appendices A and B). Works will be undertaken in accordance with the Environmental Permit, which will regulate day-to-day operations and limit the permitted area of works.	Stockpiling areas will be monitored to ensure they are stable and maintain adequate separation distances from access roads, watercourses, trees and hedgerows and public footpath The topsoil will be reused as part of the final planting scheme. Post works monitoring will not be required.	Principal Contractor

Construction of Temporary Site Compound			
Operating Methods	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Inert fill will be imported to the site typically by tipper HGVs. Where necessary, inert material will be crushed and screened onsite using a mobile crusher and trommel screener. Compaction of the inert material to between 133 and 266kN will be undertaken using a 15 to 30 tonne compaction rated road roller.	Works will be undertaken between 07:30 and 17:00 Mondays to Fridays and 07:30 and 13:00 on Saturdays. The acceptance criteria for the inert fill will be in accordance with the Environment Agency's Standards and Measures for the Deposit of Inert Waste on Land Guidance and the Environmental Permit for this specific operation. Only material falling within the following Environmental Waste Catalogue (EWC) Codes will be accepted: 17 01 01 Concrete 17 01 02 Bricks 17 01 03 Tiles and ceramics 17 01 07 Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06 17-05-04 Soil and stones other than those mentioned in 17 05 03 Each load will be inspected prior to tipping. Where non-compliant material is received this will be quarantined on the compound and removed to an approved disposal / restoration / treatment facility.	A daily site inspection log will be maintained on site to include compliance with waste acceptance criteria and compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water.	Principal Contractor

Landscape Planting			
Operating Methods	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Landscape planting will be in accordance with the approved planting scheme.	Works will be undertaken between 07:30 and 17:00 Mondays to Fridays and 07:30 and 13:00 on Saturdays.	Monitoring requirements will be undertaken as per the approved planting scheme.	Principal Contractor

Removal of Compound and Construction Driveway			
Operating Methods	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Inert fill from the temporary compound will be removed and stockpiled topsoil will be used to return the area to landscape use. Works will be undertaken with a wheeled / tracked loading shovel.	Works will be undertaken between 07:30 and 17:00 Mondays to Fridays and 07:30 and 13:00 on Saturdays.	A daily site inspection log will be maintained on site to include compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water.	Principal Contractor

4. Management and Mitigation Plan

- 4.1 This section of the CEMP sets out the mitigation and management plan for potential adverse impacts that could arise from the implementation of the construction phases of this project. The Plan identifies the potential impact and sets out the mitigation measures and monitoring requirements that will be undertaken to ensure that the potential impact is appropriately minimised. The works shall be undertaken in accordance with an Environmental Permit and the requirements of the Construction (Design and Management) Regulations 2015, which require their own management and mitigations plans.

Cultural Heritage and Archaeology			
Potential Impact	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Beyond the creation of the temporary compound, no excavation is proposed. Therefore, it will be possible to preserve any archaeological assets in situ.	During the soil stripping and construction, ongoing visual inspection will be undertaken to identify any potential archaeological assets. Where any items of potential archaeological interest are identified, works will be temporarily revised prior to consulting the County archaeologist.	A daily site inspection log will be maintained on site to include compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water.	Principal Contractor

Noise and Vibration			
Potential Impact	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Levels of noise generated from the works create a potential statutory nuisance.	Works will be undertaken between 07:30 and 17:00 Mondays to Fridays and 07:30 and 13:00 on Saturdays. Plant will be serviced in accordance with their service requirements, including inspection of transmission and exhaust systems. White noise reversing alarms will be used on all mobile plant. Vehicle speeds shall be restricted to 5mph on site. Potholes shall be filled. Operators shall avoid dropping materials from height where possible and practicable. Operators shall avoid metal to metal contact on equipment / plant where possible and practicable.	The Principal Contractor will take note of climatic conditions and undertake a daily visual inspection (during operational hours), noting any noisy activities. This will include monitoring for conditions likely to increase the risk of noise release and an assessment of noise emissions. A daily site inspection log will be maintained on site to include compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water. A complaints log will be maintained on site and will be monitored to inform mitigation measures.	Principal Contractor

	Operators shall turn off any plant when not in use. Operators shall limit periods of engine idling, engine revving and use of exhaust breaks when entering and exiting site. Considerations of weather shall be undertaken, including wind direction, when undertaking certain operations.		
--	---	--	--

Mud, Dust and Debris			
Potential Impact	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Mud, dust and debris generated from the works are released from the site, affecting roads and the local environment, including watercourses.	Where required, vehicles shall be cleaned to reduce the potential depositing of mud, dust and debris onto the public highway. Working plans shall be agreed and amended to minimise the release of mud, dust and debris from operations. This shall include establishing exclusion zones around watercourses to ensure that excessive mud, dust and	Monitoring shall be undertaken to ensure that no vehicles entering onto the public highway shall be clear of mud, dust and debris. A daily site inspection log will be maintained on site to include compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water.	Principal Contractor

	debris does not enter the watercourse. Management shall be in accordance with the Environmental Permit and the Environmental Protection Act and their associated environmental protection regimes.		
--	--	--	--

Water Resources			
Potential Impact	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
The works create a pollution event of a watercourse	Any storage of oil, fuel, lubricants, etc on site will be undertaken in accordance with the Environmental Permit and the Fuels Handling and Storage Protocol as set out in Appendix 2 of the Surface Water Drainage Scheme. All fuels and oils in bulk shall be kept in double bunded storage and tank filling points shall be inside the bunded area. Spill kits shall be provided close to hand to manage any egress of fuels and oils. Soil will be stockpiled with sufficient separation distances	A daily site inspection log will be maintained on site to include compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water.	Principal Contractor

	from watercourses to minimise the risk of runoff.		
--	---	--	--

Traffic, Transport and Access			
Potential Impact	Mitigation Measures / Actions	Monitoring Requirements	Responsibility
Potential road safety and noise / disturbance	Works will be undertaken between 07:30 and 17:00 Mondays to Fridays and 07:30 and 13:00 on Saturdays. As set out in the Transport Statement, it is estimated that there will be c.80t of inert material delivered to the site each working day. It is forecast that this will amount to an average of seven deliveries per day (14 movements). Additionally, 4-6 car movements will be generated.	A daily site inspection log will be maintained on site to include compliance with the Principal Contractor's Environmental Policy; covering emissions to air, land and water. In accordance with the Principal Contractor's duty of care and the CDM Regulations, an accident book will be maintained on site, to include monitoring of any road safety issues reported by a haulier / member of the public.	Principal Contractor

5. Conclusions

- 5.1 This CEMP sets out the principal operating methods for the stages of works and a list of measures to identify, mitigate and monitor potential environmental adverse effects.
- 5.2 The Principal Contractor will ensure that the site activities and requirements are kept up to date in accordance with this CEMP through other management regimes; namely the Environmental Permit and the Construction (Design and Management) Regulations 2015.

Appendix A Phasing Plan

Appendix B Noise Management Plan

Appendix C Dust Management Plan