

Construction Environmental Management Plan (CEMP)

Dolphin Quay

Emsworth

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CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

Dolphin Quay Emsworth

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1. PROJECT DESCRIPTION

The existing site comprises of a vacant boat yard that has fallen into disrepair with its associated out buildings, a vacant antiques shop and a vacant two storey office building.

The site is adjoined by the Listed Lord Raglan PH and its beer garden on the Eastern Boundary, with moorings and the river wrapping the Southern and Eastern Boundaries, the Northern Boundary joins onto the public highway known as Queen Street. The site is surrounded by three Listed Heritage Buildings, the Lord Raglan PH as previously mentioned, the Flour Mill to the North and 29 Queen Street to the West. The site falls within the historic core of Emsworth and is located in the Conservation Area.

The proposal is to demolish the existing boat yard buildings, antiques shop and office building, raise the existing floor slab and construct a new coastal defence wall to allow for the development of four houses facing onto Queen Street and two houses facing onto the Mill Pond.

The project will begin by clearing all existing buildings and all waste removed from site. Sea defence work can then start with minimal disturbance to the local waterways. The houses will then be constructed using piled foundations, with traditional masonry construction for the four fronting onto Queen Street and a combination of traditional and steel frame to the two facing the Mill Pond.

The project is set to start in Spring 2019 and is expected to last 16 months.

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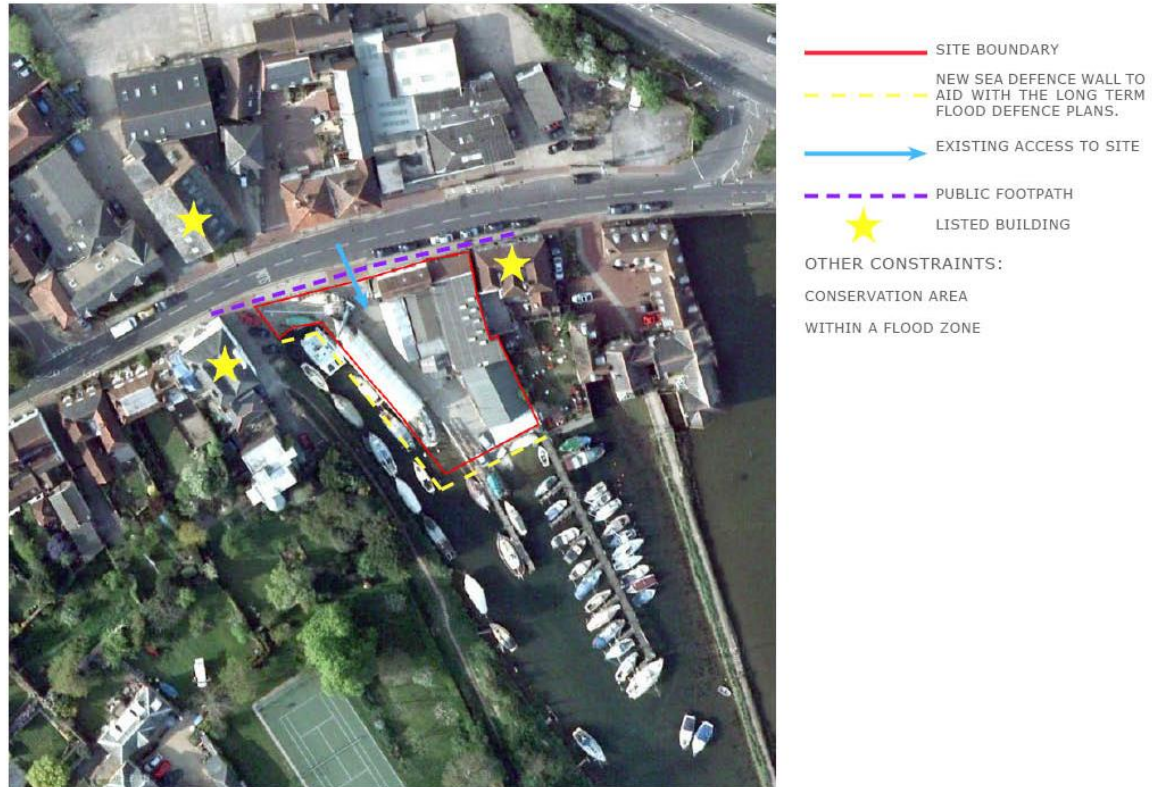


Figure 1: Locality of Project Area and Total Disturbance Footprint

2. PROJECT ROLES, RESPONSIBILITIES AND CONTACTS

The interdependencies of positions on the project are shown in Table 2 (over page). Names and contact numbers are correct for this revision, but may change during the project.

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INSERT PROJECT NAME

Table 2: Project Roles, Responsibilities and Contact Details

ROLE	NAME	CONTACT DETAILS	RESPONSIBILITY	
Project Manager	Neil Popplewell	neil.popplewell@lockside.ltd	Planner of site safety	
Site Supervisor	Mark Franklin	mark.franklin@lockside.ltd	Day to day site safety supervisor	
HSE Representative	Basingstoke	Priestley House Priestley Road Basingstoke RG24 9NW	Health and Safety Executive	

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3. TRAINING, AWARENESS AND COMPETENCY

The raising of environmental awareness is viewed as a crucial element in the appreciation and implementation of the CEMP.

As a consequence, prior to commencing work on site, the Contractor would ensure that all personnel engaged in activities that may have an impact on the environment are competent to carry out their duties or, where necessary, arrange for suitable training to be undertaken.

If required, the level of staff knowledge will be raised through the provision of training, which may be in the form of formal training courses, personal tuition, environmental toolbox talks, or other training methods as applicable. This will help ensure that site personnel are fully aware of the key environmental issues of the site and the management procedures that have been set in place to mitigate impacts. All training required would be completed before commencement of the associated construction activities.

The Project Team will have access to a full suite of environmental guidance notes such as guidance from the Environment Agency. These are intended to provide site staff with the necessary additional information to be able to competently manage environmental issues.

The CEMP will be part of the terms of reference for all contractors and sub- contractors. All contractors and sub-contractors would have to give some assurance that they understand the CEMP and that they will undertake to comply with the conditions therein. All senior and supervisory staff members shall familiarise themselves with the full contents of the CEMP. They shall know and understand the specifications of the CEMP and shall be able to assist other staff members in matters relating to the CEMP.

4. ENVIRONMENT AND HERITAGE RISK MANAGEMENT

Summarised in the tables that follow are the identified risks and management procedures for the following environmental management areas:

- Heritage
- Noise Management
- Dust Management
- Use of Marine Water for Dust Suppression
- Housekeeping and Waste

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4.1 Heritage

HERITAGE			
Objective(s)	To minimise the impacts of development, operation and maintenance of the Project on the heritage values in the Project area.		
Management Strategy	Ensure heritage impacts are minimised, and impacts outside of the approved disturbance area are avoided.		
		Responsibility	Timing
Control(s)	Ensure that the protective measures are implemented adjacent the Lord Raglan PH as identified within the party wall award. Ensure personnel undertake appropriate inductions.	Project Manager	Throughout Project
Performance Indicator(s)	No disturbance of heritage values outside of the approved disturbance area. No complaints or allegations of unauthorised disturbance of heritage values.	Project Manager	Throughout Project
Monitoring	Daily monitoring of disturbance footprint. Regular monitoring of all heritage sites for impacts.	Project Manager	Throughout Project
Reporting	Incidents are to be reported immediately to the Project Manager.	All site personnel	Throughout Project
Corrective Action(s)	Cease works in the impact area immediately. Review and modify procedures if necessary before recommencing works.	Project Manager	Throughout Project

4.2 Noise Management

NOISE MANAGEMENT	
Objective(s)	1. To minimise the impacts of noise on the amenity of the surrounding areas.

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NOISE MANAGEMENT			
	2. Construction activities undertaken in accordance with AS 2436-1981 <i>Guide to Noise Control on Construction, Maintenance and Demolition Sites</i> . 3. Construction activities undertaken in accordance with <i>Environmental Protection (Noise) Regulations 1997</i>		
Management Strategy	Noise to be managed primarily through administrative and equipment controls during the construction phase.		
		Responsibility	Timing
Control(s)	All equipment used during the construction phase to be regularly maintained to ensure efficient operation; Pre-start checks and maintenance schedules to ensure equipment performance is as required; Noise-dampening equipment to be used on equipment with excessive noise generating characteristics; Construction activities in accordance with AS2436-1981 <i>Guide to Noise Control on Construction, Maintenance and Demolition Sites</i> .	Project Manager	Throughout Project
Monitoring	Daily inspection of works sites to occur Service logs for equipment/machinery used on site	Project Manager	Throughout Project
Reporting	Any complaints or incidents to be reported to the project manager.	All Site Personnel	Throughout Project
Corrective Action(s)	Investigate cause of excessive noise Implement corrective measures prior to the recommencement of site works Reschedule of noise-generating activities to reduce noise annoyance	Project Manager	Throughout Project

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4.3 Dust Management

DUST MANAGEMENT			
Objective(s)	1. To ensure the impacts of dust on adjacent areas and the community are minimised.		
Management Strategy	Dust issues managed principally by emission controls at source, and administrative controls during works.		
		Responsibility	Timing
Control(s)	Dust Management: Site hoarding is to be erected all around the perimeter of the site either solid wooden or herring fencing with dust sheeting on. During the demolition phase water will be sprayed to keep dust to a minimum. Water from the sea will be pumped into a holding tank so as to minimise the use of fresh water. All surplus water will go through a settlement tank before going back into the sea. A traffic management plan will be in place where all vehicles will have wheels washed before going back onto the public highway. Consideration and care will be taken at all times to ensure that dust will be kept to a minimum.	Project Manager	Throughout Project
Monitoring	Daily inspection of works sites to occur, including: - visual check for dust crossing the site boundaries - visual check of high potential dust areas, such as haul roads, sea bed, stockpiles and operational areas.	Project Manager	Throughout Project
Reporting	Any complaints or incidents to be reported to the project manager.	All Site Personnel	Throughout Project
Corrective Action(s)	Investigate cause of excessive dust Implement controls immediately (e.g. water carts) Implement corrective measures prior to the recommencement of site works	Project Manager	Throughout Project

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DUST MANAGEMENT			
	Implement administrative controls if required, such as rescheduling of dust generating activities to more favourable weather conditions.		

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4.4 Use of Marine Water for Dust Suppression

USE OF MARINE WATER FOR DUST SUPPRESSION			
Objective(s)	1. To ensure the use of marine waters for dust suppression does no impact adjacent areas		
Management Strategy	All surplus water will go through a settlement tank before going back into the sea.		
		Responsibility	Timing
Control(s)	Waters applied sufficient to address dust suppression only, and excessive runoff waters not created. All surplus water will go through a settlement tank before going back into the sea. Filling of the header tank (site storage) to be triggered by float mechanism in tank, indicating low and high level. Operator to maintain watch during filling operation to ensure water cart not over-filled.	Project Manager	Throughout Project
Performance Indicator(s)	No evidence of salinity-related impacts to adjacent areas.	Project Manager	Throughout project
Monitoring	Daily inspection of work sites to occur, including: - visual check for application of dust suppression water - visual check of holding tank	Project Manager	Throughout project
Reporting	Any issues to be reported to the Project Manager.	Project Manager	Throughout project
Corrective Action(s)	Investigate cause of excessive dust control waters Implement controls as required (e.g. diversions) Review issue with water cart operators and/or Construction Manager Implement administrative controls if required, such as rescheduling of dust generating activities to more favourable weather conditions.	Project Manager	Throughout project

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4.5 Housekeeping and Wastes

HOUSEKEEPING AND WASTES			
Objective(s)	Reduce waste volume, maximise recycling, reuse and recovery, prevent any construction waste/litter entering the environment.		
Management Strategy	Minimise environmental impacts through appropriate controls and site inductions of employees and sub-contractors.		
		Responsibility (Role)	Timing
Control(s)	Provide appropriate waste bins, type, volume and service frequency to accommodate anticipated waste streams. All loads arriving or leaving the site will be appropriately secured. Provide information regarding waste management in site specific inductions, including waste separation and importance of securing vehicle loads. Ensure licensed contractors are used to collect controlled wastes	Project Manager	Throughout project
Performance Indicator(s)	Hazardous materials all appropriately disposed. Recycling of all recyclable construction metal waste Records kept of waste leaving site.	All site personnel & Project Manager	Throughout project
Monitoring	Daily inspection of work site to occur. Review of waste bins (% full, time to next service). Waste volumes leaving site from waste contractors	Project Manager	Throughout project
Reporting	Environmental incident reports.	Project Manager	Throughout project
Corrective Action(s)	Investigate cause of inappropriate waste disposal Review cause of issue and develop response, such as variation to bin size, service schedule or waste separation awareness. Implement controls	Project Manager	Throughout project