

# Steelwork Solutions UK

Construction Environment

Management Plan (CEMP)

January 2023

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<b>Prepared by</b>	JM			
<b>Signature</b>				
<b>Checked by</b>	CM			
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**Client:** Steelwork Solutions UK

**Registered Address:** Palmers Yard  
Wharf Road  
Gravesend  
Kent  
DA12 2RU

**Architect:** RaynerDaviesArchitects LLP

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# Executive Summary

This Construction Environmental Management Plan (CEMP) outlines commitments and measures to be implemented by Steelwork Solutions Uk to ensure that potential environmental Impacts and disturbance to local residents during the construction of the proposed development at Steelwork Solutions Uk will be minimised or eliminated.

Environmental controls will be implemented to minimise emissions of dust during the construction period, noise and vibration, lighting. The plan sets out the principles to be adhered to in establishing the operational activities during individual development phases and the associated roles and responsibilities.

## 1 Project Background

### 1.1 Outline of Project

1.1.1 Construction activities inherently result in an impact on the environment. Some of the impacts arising include those concerning noise, generation of dust, safe handling of materials on the site, waste management and traffic management.

1.1.2 Due to the small size of the site this CEMP outlines the typical measures that will be implemented by Steelwork Solutions Uk to minimise and mitigate the construction impacts at the development.

### 1.2 Framework of this CEMP

1.2.1 This CEMP has been prepared to provide details to the council if need be before works commence.

The approved Construction Environmental Management Plan shall be implemented accordingly.

## 2 Site Information and Consented Development

### 2.1 Site and Surrounding Area

2.1.1 The development site is approximately set between two houses. The site is set in a residential area

2.1.2 Construction site is in the administration area of Sheerness

### 2.2 Scheme Description

2.2.1 The development comprises one residential dwelling,.

2.2.2 In summary the consented scheme comprises:

- Construction of one residential unit
- Vehicular access to the Site is to be provided from queensborough road.

## 3 Control of the Construction Process

### 3.1 Roles and Responsibilities

- 3.1.1 The anticipated roles and responsibilities of the key parties involved in the construction works are set out below. However, it should be noted that all members of staff are responsible for ensuring the requirements of the CEMP are followed:

#### The Applicants'

- 3.1.2 Steelwork Solutions Uk (hereafter referred to as 'the Applicant') will select individual contractors to deliver certain phases of the development. Alternatively, the Applicant will appoint principal contractors to develop specific phases on their behalf.

#### Site Manager

- 3.1.3 The Site Manager will be responsible for the day to day management of Health and Safety, Environmental and Quality performance during the construction of the Proposed Development. The Site Manager will be also responsible for implementing the CEMP, including the development of a detailed Environmental Action Plan for delivering the CEMP, monitoring the performance of sub-contractors and maintaining records to demonstrate compliance This will include participating in communication with Sheerness Council and other third parties (e.g. Environment Agency) as required and arranging for the periodic review and update of this plan, including construction phase reviews.
- 3.1.4 In addition, the Site Manager will be responsible for ensuring that all staff and operatives receive a site specific health, safety and environmental induction prior to starting work on-site and are provided with relevant information concerning environmental sensitivities and protection measures.
- 3.1.5 The Site Manager will be responsible for reviewing all risk assessment method statements and ensuring an appropriate programme of tool box talks are developed and effectively communicated.
- 3.1.6 The Site Manager will be responsible for overseeing any environmental monitoring programmes, carrying out site environmental inspections and audits as necessary, and will co-ordinate the environmental monitoring programme. Such inspections will include completion of an 'End of Day Checklist' on a daily basis. The Site Manager will also be responsible for ensuring that all relevant legal consents, licences and exemptions are in place in advance of relevant works commencing, and that all relevant licence and legal requirements are adhered to.
- 3.1.7 All queries and complaints from the public and the local community will be directed to the Site Manager who will be responsible for responding to these and maintaining a register of complaints (together with the follow up actions which have been taken).

#### Site Waste Management

- 3.1.8 The Site Manager will be responsible for overall waste management issues arising from the project. These would include:
- Implementation and monitoring of waste minimisation, segregation and safe disposal measures; and
  - Dissemination of waste reduction and waste management procedures to all relevant personnel on site.

## All Staff and Subcontractors

3.1.9 All staff and subcontractors have the responsibility to:

- Work to agreed plans, methods and procedures to eliminate and minimise environmental impacts (including the CEMP);
- Understand the importance of avoiding pollution on-site, including noise and dust, and how to respond in the event of an incident to avoid or limit environmental impact;
- Report all incidents immediately to their line manager;
- Monitor the work place for potential environmental risks and alert the immediate line manager if any are observed; and
- Co-operate as required, with site inspections and audits.

## Key Contacts

3.1.10 Authorities who may need to be contacted in respect of environmental matters include the following:

- Environment Agency,
- Environmental Health Department,

## 3.2 Monitoring, Continual Improvement and Review

3.2.1 The person fulfilling the project environmental management role will be responsible for maintaining a register of all environmental monitoring, which should be made available for auditing and inspection.

3.2.2 To ensure the CEMP remains 'fit for purpose' for the duration of the project it should be reviewed and updated during the life of the project to ensure that it remains suitable to facilitate efficient and effective delivery of the project environmental commitments.

3.2.3 The environmental review would, consider past performance from inspections, audit report and monitoring data, plan actions required to mitigate forthcoming risks and disseminate best practice.

3.2.4 Sheerness Council will be informed of any necessary revisions to the CEMP and written approval sought.

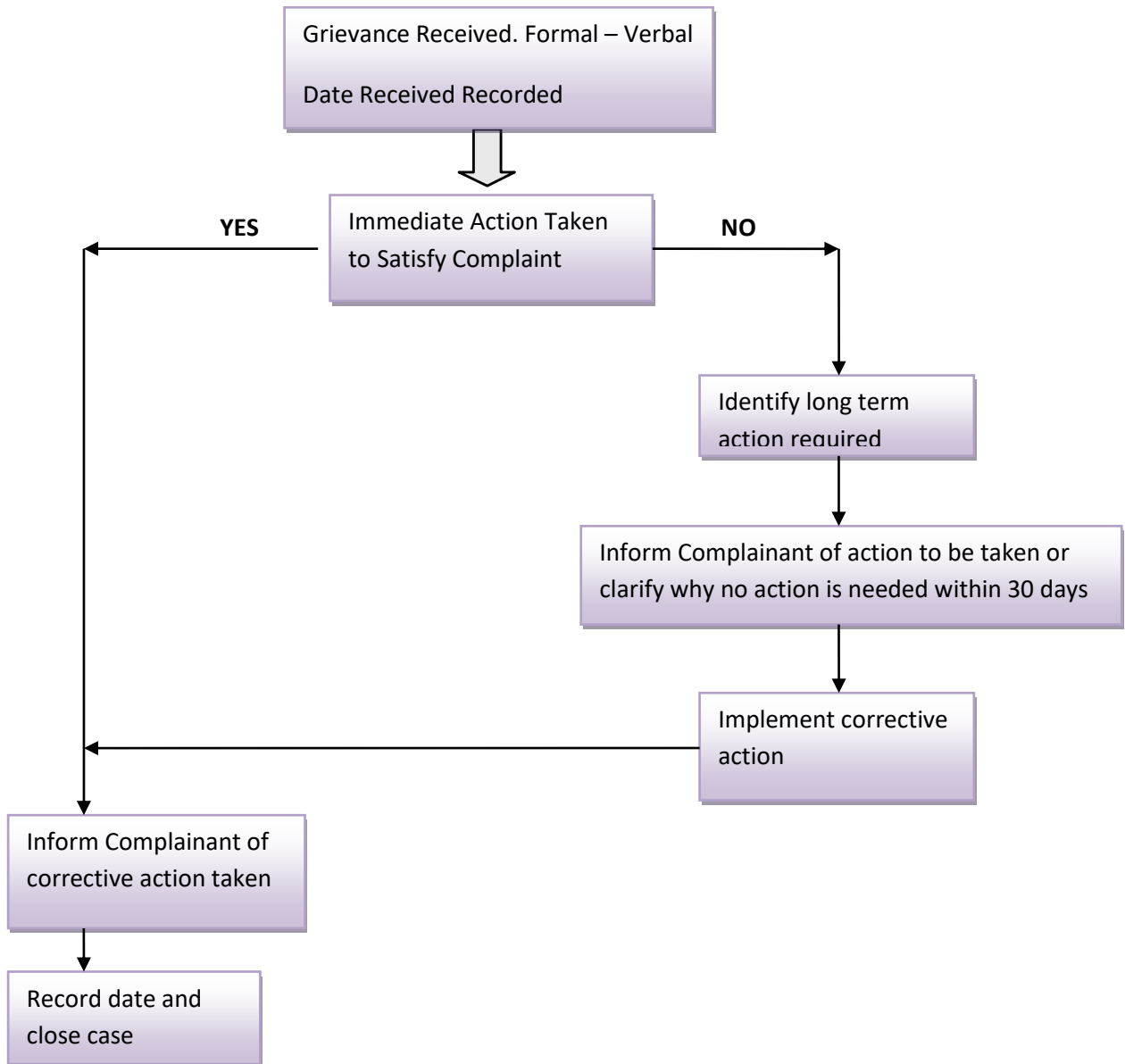
## 3.3 Environmental Complaints and Incidents

3.3.1 The site manager will develop and implement an appropriate queries / complaints procedure and details of whom to contact in the event of a complaint will be displayed on signage on the perimeter hoarding.

3.3.2 The formal procedure for handling project complaints/concerns will be developed and agreed by the principal contractor / site manager but may include a procedure similar to that detailed below and represented in the flow chart:

- Stakeholders (i.e. the general public, local authority etc) will be able to report any concerns, complaints or other comments to site manager in writing, by email or in person at the site offices. Site contacts details should be provided at site entrances, on perimeter hoardings and possibly at appropriate community locations.
- The site manager will take full details of the concerns expressed and ensure that a formal assessment is commenced of the reported concern. They will also issue an initial response to the person who has submitted the complaint/concern confirming its receipt. The site manager will record the date and contact information associated with a complaint/concern on a standard form and place a copy in a project grievance register;
- The site manager will undertake an investigation to assess what corrective and preventive action, or further investigation is necessary;

- The site manager will respond within a reasonable timescale (typically not more than 30 days) and place details of the completed corrective and preventive actions within the project grievance register. If a longer term programme is required to provide an adequate solution then this programme will be detailed on the register against the specific issue;
- The site manager will notify the relevant stakeholder of the proposed corrective and preventive actions to be adopted;
- Any corrective measures / actions will be implemented with associated implementation dates being recorded;
- For a long corrective action, the complainant will be informed of proposed action; and
- Following the implementation of the corrective action and agreement with the relevant stakeholder that the complaint has been adequately addressed the case will be closed and date recorded.



- 3.3.3 In the event that a complaint is not resolved to the satisfaction of the complainant directly with the site manager the following levels of mediation should be available:
- If the grievance cannot be adequately addressed by the site manager, the complaint/concern will be escalated to an appropriate contact within both the Principal Contractor's and the Applicant's organisations;

## 3.4 Public Relations and Community Relations

- 3.4.1 General information regarding construction will be provided to neighbours affected by the work and throughout the development period regarding programming and construction activities.

# 4 Construction Management

## 4.1 Description of Construction Works

- 4.1.1 The main elements of construction works associated with the different components of the Proposed Development are summarised in Table 3.1 below.

**Table 3.1: Overview of Construction Works**

Works	Description
<b>Site Clearance and Site Set-up</b>	Initial site preparations including site clearance and top soil stripping Earthworks Establishment of, material storage areas, fencing Site hoardings and security measures
<b>Site Infrastructure</b>	Construction of foul and surface water drainage
<b>Construction of New Building and Associated Facilities</b>	Utility diversion and construction Groundworks for building; Building superstructure; Fitting out of building;
	<b>Site Completion</b> Reinstatement of ground around the site



## 4.2 Construction Equipment

- 4.2.1 The type of plant likely to be used for each type of construction activity is indicated below  
Tracked Excavator, Dump truck, Cement Mixer, Grab lorry,

## 4.3 Hours of Working (Hours of Site Operation)

- 4.3.1 The standard working hours for all construction activities will be from:
- 08.00 – 18.00 Monday to Friday;
  - 09.00 – 14.00 Saturdays; and
  - No works on Sunday, Bank or Public Holidays
- 4.3.2 Any proposed changes to these working hours will need to be agreed in advance.

# 5 Environmental Control Measures

## 5.1 Traffic Management

- 5.1.1 All goods deliveries will be on a just in time basis where all vehicles will be unloaded and the materials taken to an appropriate storage area.
- 5.1.2 Vehicles will be kept clean and sheeted when on public highways. Where possible deliveries will be timed to avoid peak hours on the local road network;
- 5.1.3 Action will be taken to minimise and control any nuisance arising from construction traffic by using measures such as controlling vehicle speed, sweeping roadway clean, wheel washing where necessary and keeping all site entrances clean.

## 5.2 Waste and Materials Management and Storage

- 5.2.1 The transportation of waste to and from the Site will comply with the Duty of Care requirements. These include ensuring waste is transported by registered carriers, disposal to appropriately licensed sites and maintenance of appropriate waste transfer documentation. The Site Manager will audit waste carriers and disposal facilities and maintain documentary evidence that these requirements are being met, including a register of waste carriers, disposal sites (including transfer stations) and relevant licensing details for each waste stream. Waste contractors who remove waste will be registered with the Environment Agency.
- 5.2.2 Where possible, excavated materials will be re-used on-site as general or landscaping fill
- 5.2.3 Plant and equipment will be stored in areas which are less susceptible to possible pollution incidents, or on dedicated areas of hard standing. All static plant shall be placed with drip trays to prevent ground contamination as a result of oil spills and leaks.
- 5.2.4 Refuelling of plant will be undertaken in designated areas on an impermeable surface and away from any drains or watercourses. A spill kit will be available for use in the event of an accident. Refuelling will always be carried out in a controlled manner with absorbent materials available to clean up any spillages.

## 5.3 Noise and Vibration

5.3.1 The construction works will comply with *BS 5228: Noise and Vibration control on construction and open sites* and the following generic mitigation measures are likely to be adopted:

- Modern, silenced and well maintained plant will be used at all times, conforming to standards set out in the EU Directives;
- Equipment and vehicles to be shut down when not in use;
- Where possible, mains electricity to be used instead of generators
- Cutting operations or other noisy tasks will be minimised through off-site fabrication where practicable.

## 5.4 Artificial Lighting

5.4.1 The following best practice measures will be implemented during the construction works:

- Specified working hours – where possible no work outside of the specified working hours will be undertaken at the Site during the construction period and careful selection of the location of temporary floodlights and construction compound will be undertaken for each phase
- Lighting will be switched off when not required for construction activities or for security / health and safety;
- The programme of works will take into account the location of sensitive receptors, in particular the residential properties either side of the development, pedestrians and road users, through the careful selection of the compound location, restricting hours of operation and through control and careful direction of lighting used;
- Glare caused by poorly directed security and floodlighting will be minimised by positioning lights to less than 70 degrees and directing lights away from Site boundaries;
- Light spill will be minimised by avoiding poorly sited lights on the Site boundary;

# 6 Conclusion

6.1.1 Steelwork Solutions Uk commitment to Environmental Management is dependent on this CEMP and has been developed which outlines the environmental principles to be adopted to ensure that potential environmental impacts and health and safety issues associated with the construction processes are effectively managed, minimised and / or eliminated.

6.1.2 The plan details the roles and responsibilities of the applicant, the site manager and site workers and how these controls are to be implemented. The CEMP will require regular monitoring prior to commencement of each phase of works and throughout the construction period to ensure potential risks are adequately managed throughout the construction works.