Construction Environmental Management Plan

Project: Wrexham Scouts and Guides relocation

Address: Former Community Centre, Prices Lane, Wrexham, LL11 2NB

Method Statement

The Principal Contractor will undertake the assessments and statements for hazard control which are generic and specific to the site. Such assessments will include those required under the Management of Health and Safety at Work Regulations 1999.

All appointed 'Contractors/Sub-Contractors' are required to carry out method statements and risk assessments for the specific works that they will undertake and assess the requirements for hazard control for both their employees' and other contractors' working in and around their sphere of activity.

Such method statements will be communicated to the respective supervisor who will in turn, cascade this information to all members of the work force.

Brief Description of Works: -

Phase 1 – Demolition of existing Community Centre

Phase 2 - To construct 1 no. Portal Framed Unit of 7,750 SQ FT GIA, with cladded walls and roof, doors, floor slabs, drainage, carparks and all associated civil works and landscaping.

Contracts/Site Manager: -	TBC	**Date of Works: -**	TBC
		Duration of Works: -	26 weeks
		Hours of Work: -	8am to 5pm Mon to Fri 8am to 1pm Saturday

Emergency Site Contact: - TBC

Utilities Emergency Numbers: - National Grid – Gas: - 0800 111 999

Electric: - SP Energy Networks - 0800 001 5400

Water: - Welsh Water - 0800 052 0130

Protection of the Highway and Neighbouring Property

Activity: Management of access and egress from the site. Highway, Public Interface Arrangements, Significant Hazards, Wheel Wash/Road Sweepers etc.
Control of Dust/Noise, Signage, Personnel Involved.

Plant: General Site deliveries/employee vehicles/visitors

Resource: Phase 1 - 6 Men/1 Subcontractor.
Phase 2 - 16 Men/15 Subcontractors.

Safety: All documentation and test certificates will be available for inspection upon request. Equipment operators will be competent/trained and operating machines in accordance with manufacturer's operating instructions. Services drawings/information will be communicated to operators of the excavation equipment prior to commencement of works. All operatives will wear PPE appropriate to the task in hand.

Risks: Existing Services, Over-turning of Plant/Machinery, Injury caused by Plant/Machinery to Member of Public and/or Site Operative (Employed Directly or Indirectly).

Preparations

Prior to starting the building works the previous Community centre will be demolished and arisings removed from site and the area secured with Heras fencing. The entire site to be developed will be handed over to the Main Contractor.

The senior site operative is to be briefed prior to going to site to ensure all risks have been identified and mitigated, a clear method of work is to be agreed and the correct equipment is in the service vehicles or has been delivered to site.

All sub-contractors will be briefed regarding the works and their Method Statements and Risk Assessments will be received and accepted prior to them commencing works onsite.

The site shall be secure at all times to prevent access from the general public. The immediate work area will be fenced off around the contractor's site work area as shown on the Site Set-Up plan, to secure it during the contract period. These hoardings or fences will be maintained throughout the duration of the works.

Site office and welfare facilities will be established as identified on the plan, utilising the servicing points as identified on the drawings.

Procedures & Methodology

Materials will be delivered to site to suit progress of the works.

All vehicle movements and deliveries will be subject to the control of site management in liaison with the client, local authority, immediate site neighbours and members of the public.

The storage of materials on site will be kept to an absolute minimum and therefore delivery scheduling will be carried out to ensure supply is on a 'just in time' basis only.

All concrete and screed deliveries will be proposed as 'ready mixed' and will be delivered to site in appropriate vehicles.

Access to the work site is to be provided by the Client. An area will be set aside for a site compound to provide adequate welfare and storage facilities. Refer to site set up plan as agreed by the customer/ contractor. The site is accessed as indicated on the overall site plan.

Safe access to the site must be maintained at all times.

Signage

Adequate signage will be installed such that vehicle deliveries and access to the site are clearly defined within the general site/ geographical area.

A main construction signboard will be positioned in agreement with the client.

Site signage will be provided within the curtilage of the site as necessary to advise operatives/visitors and delivery staff of safety requirements within the confines of the site and where to report on arrival. Such signage will include: -

Accommodation / Access requirements
Speed Limits
Overhead / Underground Services
Safety Helmet and Footwear Requirement
Noise
Danger Construction Site, etc.

Control Measures to Assessed Risks.

Noise & Dust Control:

All works will be undertaken with suitable precautionary measures in place to minimise the effects from noise, dust and vibration. The site will be kept clean and tidy at all times and will accord with any statutory requirements.

Noise Control

All reasonable steps will be taken to reduce any adverse effects of noise generated by the construction works.
Guidelines as set out in BS 5228; Code of Practice for Noise and Vibration Control will be followed to ensure we are considerate of the public, minimise undue impact to neighbouring properties and keep complaints to a minimum and thus the following rules will be adhered to:

- All construction works shall only be carried out between the hours of 8:00-18:00 Monday – Friday and between 8:00 -13:00 on Saturdays. No work will be carried out on Sundays or Bank Holidays- These times will be adhered to as stated within the planning condition. No works or deliveries will take place out of these hours and these hours will be strictly adhered to.

- All equipment will have appropriate noise control measures.

- The location of all plant and machinery, will be positioned as far as is reasonably practicable from sensitive receptors, specifically members of the public and adjacent residential properties. As a matter of course all plant and machinery will have the engines turned off when idling.

- Public footpaths and highways will be kept in a clean and tidy state and to ensure this, wheels to vehicles will be cleaned of dust with water in order to avoid dust transference.

  All employees will be advised on a regular basis as part of their training of the following:

1. the proper use and maintenance of tools and equipment.
2. the positioning of machinery on site to reduce the emission of noise to the neighbourhood and to site personnel.
3. the avoidance of unnecessary noise when carrying out manual operations and when operating plant and equipment.
4. the protections of persons against noise.

5. the operation of sound measuring equipment.
6. the use and maintenance of sound reduction equipment fitted to power tools and machines.
7. All reasonably practicable steps will be taken to reduce noise and dust from causing nuisance.

Noise Control at the source- ways we will control this

We will:

1. Avoid the unnecessary revving of engines and switch off equipment when not required.
2. Existing plant and equipment will be fitted with sound reduction kits (if required).

Dust Control

In order to minimise the effects of dust which may occur during the construction period the following measure will be taken:

1. A supply of water and a means of dispensing it will be provided and maintained to dampen any dust created from construction activities in order to minimise any emissions from the premises-site supervisor to monitor at all times.
2. The sweeping of dust or dusty material will not be permitted without effectively treating it with water or other substance in order to minimise its emissions from the premises.
3. No burning, under any circumstance will take place on site

Injury caused by Existing Services:

Drawings will be made available where available to ensure that all relevant services are indicated in advance of site excavation/reduce dig. 'Cable Avoidance Tools' and hand digs will be employed when the exact location of a cable is undetermined. Ensure that any plant/machinery operating under overhead electrical cables have restrictors applied. Ensure that the height restrictions are established and that all operatives are aware of the safe height working restrictions. Ensure that any exposed cables/pipes are recovered/cordoned off or clearly marked and site operatives made aware of the danger.

Injury caused by Over-turning of Plant/Machinery:

Care will be taken to ensure that the plant/machinery is capable of lifting the load. This will be determined by consulting the operational weight limitations as indicated by the manufacturers operating instructions. Ensure that the operative is fully trained with the plant/machinery in operation and that they are capable lifting the load in a safe and appropriate manner. The plant/machinery will be operated in suitable ground conditions and driven/used in a manner that is keeping with the operating instructions.

Injury caused by Plant/Machinery to Member of Public or Site Operative (Employed Directly or Indirectly):

Ensure that the operative is fully trained with the plant/machinery in operation. The plant/machinery will be operated in suitable ground conditions and driven/used in a manner that is keeping with the operating instructions. All 'Site Operatives' will wear the appropriate 'high visibility vests,' and PPE. Site Access signs will be posted on all entrances to the site advising of operating plant/machinery to ensure that no member of the public strays into the site. Where appropriate a 'Banks-men' will be in operation.

Any operative and member of the pubic entering the site will be challenged and removed if they do not comply with Site Rules and Regulations. The operation of a 'Stihl Saw' will always be accompanied with the appropriate PPE (i.e. Eye Protection/Dust Masks). Where this is a risk of being trapped or crushed by the

loading of equipment/spoil by plant/machinery a controlled/marshalled area of 3m will be in operation and enforced by plant/machinery operator.

Injury Caused by Electric Shock:

Ensure that all electric equipment/hand-tools have tested in accordance with current regulations and certified documentation is available. Ensure that all cables are undamaged throughout the entire length and that the remains sealed and undamaged. All junction's boxes/transformers/generators should be tested with certification available.

Ensure that only 110v hand-tools/products are used on site.