

NAAMEC LIMITED

**LAND ADJACENT DAN Y BRYN
RESIDENTIAL HOME
BRECON ROAD
PONTARDAWE
SA8 4PD**

Construction Environmental Management Plan / Method Statement

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1. Preamble

- 1.1 A planning application (Ref: P2020/0727 Rev. 1) has been made to Neath Port Talbot County Borough Council, on behalf of Mount Elim Evangelical Church, to construct a new community church building at Brecon Road Road. The works comprise of the construction of a steel framed two storey building. The planning application has been granted subject to a number of pre commencement conditions, including the provision of this Construction Environmental Management Plan / Method Statement (Condition 4).
- 1.2 NAAMEC Limited are the Principal Contractor on this project and will be responsible for managing and coordinating health and safety matters on this site, in accordance with their duties under the Construction (Design and Management) Regulations 2015. Their Construction Phase Plan will incorporate the arrangements set out in this Construction Environmental Management Plan. The Site Manager will be responsible for implementing and monitoring these arrangements on site.

2. Location and description of the development

- 2.1 The site comprises of a square plot of land, overgrown with vegetation.
- 2.2 The site is located at the corner of Brecon Road and Coedcae Road. There is a residential home to the north east side of the site, and housing in surrounding area.
- 2.3 The site will be accessed off Coedcae Road during the construction period. The area to the rear part of the site will be used as a site compound, siting of temporary cabins, contractor parking, and off loading. See site plan in appendix to this document.
- 2.4 There are existing low level stone and timber boundary walls to the site, which are insufficient to secure the site during the construction period. We will erected temporary heras type fencing to secure the site compound and any external work areas. The entrance will be secured with a lockable gate or fencing panels, which will be secured when not in use during the working day, and at the end of each working day. Where possible, permanent boundaries will be erected as early as possible during the construction phase. This will help in reducing nuisance to neighbours and minimise the likelihood of persons gaining unauthorised access to the site.

3. Noise Reduction Measures

- 3.1 NAAMEC Limited (Principal Contractor) acknowledges the general requirement imposed by local authorities to limit noise emissions produced from construction sites to 70-75 dB at the perimeter of the site.
- 3.2 Prior to the commencement of work, a noise survey of the site perimeter will be carried out to establish typical current levels.
- 3.3 We do not anticipate that the proposed construction works will create significant levels of noise. Typical noise will be emitted from mobile plant and portable work equipment, including:
- Excavators
 - Forward Loading Dump Trucks
 - Tipper Lorries
 - Delivery vehicles (various)
 - Cement mixers (Diesel Engine)
 - Portable power tools (Petrol Engine and electric / battery)
 - Generators
 - Variety of other tools and equipment

Note; All work equipment will be company-owned or hired from reputable hire organisations. All such equipment will be suitable for its intended purpose and will be maintained in good working order.

All plant will be operated by competent and trained persons.

- 3.4 General control measures for noise reduction will include:
- The provision of suitable temporary ground / site surfaces on which mobile plant will travel.
 - The selection of working practises that reduce the need for loud mechanical plant to be used.
 - Minimising the amount of noisy work taking place at or near the site perimeter, where this is close to neighbouring properties. For example, changing excavator attachments can produce significant noise levels. They will therefore take place on site at the furthest point from occupied properties.
 - Located generators away from boundaries within neighbouring premises.

- Working within the set hours of:
 - Monday – Friday: 0800 – 1700 hrs
 - Saturday: 0800 – 1300 hrs
 - No work will be carried out on Sundays and Public Holidays

3.5 All noise emissions will be monitored by site management, by carrying periodic noise surveys in and around the work areas.

3.6 Noise exposure to the workforce will be minimised in compliance with the Control of Noise at Work Regulations 2005.

4. Dust Reduction Measures

4.1 It is inevitable that dust will be produced as result of the construction works. Activities which may create dust include:

- The travel of mobile plant and construction related vehicles on temporary surfaces
- Material handling;
 - Arisings from excavation and groundworks
 - Concrete
 - Plaster
 - Render
- Cutting to size of materials
 - Blocks
 - Plasterboard
 - Insulation
 - Timber
 - Concrete pipes
 - Concrete kerbs
 - Concrete paving slabs
- Drilling / Fixing

4.2 All reasonable measures will be taken to minimise dust emissions, including silica, produced by the construction work. Such measures will include:

- The provision and use of modern work equipment
- The provision of suitable temporary surfaces
- Off site cutting where possible.

- Cleaning of vehicles prior to their departure from areas of the site which could contaminate clean areas (provision of water hose for wheel washing and designated wheel wash area)
- The provision of a water spray dust suppression unit (water bowser)
- The sheeting of tipper lorries carrying loose aggregate
- Forming stockpiles of material as far away as possible from neighbouring occupied neighbouring premises
- Sheeting and/or dampening of stockpiles where wind speeds are excessive
- Phasing works in such a way that completed areas are covered as soon as is reasonably practicable
- The selection of working practices that reduce dust;
 - Use of concrete cutting equipment with built-in dust suppression / extraction
 - Purchasing correct size concrete materials, to reduce cutting on site
 - Selecting where possible, materials that may reduce dust during handling and use

5. Lighting

- 5.1 By adhering to the working hours mentioned above, the need for site-wide lighting will be avoided. However, during winter months it may be necessary to provide lighting during the latter part of the working day to provide temporary lighting to the site compound, as well as internal and external working areas.
- 5.2 Certain operations may require localised task lighting, but this will not cause a nuisance to neighbouring residents.

6. Vibration

- 6.1 It is not anticipated that the proposed works will create significant levels of vibration, e.g. there are no piling works planned. It is unlikely that vibration will resonate outside the immediate work areas or to neighbouring structures.
- 6.2 Exposure of site workers to vibration will be controlled and minimised in accordance with the Control of Vibration Regulations 2005. We will have procedures in place for managing workers' exposure to harmful vibration levels.

7. Smoke & Odour

- 7.1 The lighting of fires on site will not be permitted.
- 7.2 Fumes will be generated by petrol and diesel engines on site. All plant and equipment will be well maintained in accordance with manufacturers' recommendations.

8. Site surface water run-off

- 8.1 The compound area and site access will be laid with stone, which will allow surface water running a specified route to a soak away or other agreed discharge point. This will also minimise the creation of mud and silt.
- 8.2 Where necessary wheel washing arrangements will be implemented to prevent spread of mud onto the public highway. A designated bunded area will be used as a wheel, boot and plant wash off point. Run-off will be collected in a sump, with settled solids removed regularly and water recycled and reused where possible. Any excess water will be discharged to foul sewer (subject to permission from Welsh Water) or tankered off site for authorised disposal. The gradient of the site and access road will be reviewed and where appropriate, where necessary bunds will be erected to collect any possible water run-off from the site during the construction works.
- 8.3 We will obtain sandbags, to be kept on site and used to provide temporary barriers should the need arise (e.g. periods of heavy rainfall).
- 8.4 Our Site Manager will carry out weekly inspections of the site access and Coedcae Road to ensure that our prevention measures are effective. More frequent inspections will be made should on-site conditions require it. Records of these inspections will be kept in the site diary. Road cleaning will be arranged if necessary.

9. Storage facilities for all fuels, oils and chemicals.

- 9.1 As a primary precaution, any quantities of fuels, oils and chemicals stored on site will be kept to a minimum.
- 9.2 Hazardous materials which could cause pollution will be stored in the site compound, in a segregated and bunded area, controlled by the Site Manager. A secure COSHH store will be allocated for the storage of any hazardous materials. These substances will be used, stored and disposed of in accordance with the findings of the COSHH Assessments.
- 9.3 Where required, we will designate a refuelling area within the compound, thus reducing the need for oils and fuels to be moved around site. If required, we will utilise a hired in fuel bowser with an integrated bund of 110% of the capacity.
- 9.4 Site management will monitor the condition and suitability of the storage arrangements.
- 9.5 We shall keep a supply of spill-kits available on site, for use in emergencies.

10. Measures for dealing with waste and contaminated material (e.g. excavated waste, etc.)

- 10.1 Waste will be collected and placed into suitable receptacles. As there is limited space for delivery and siting of skips, where possible, waste material will be removed off site on a daily basis. Where skips are required, they will be sited within the confines of the site.
- 10.2 No known ground contamination has been identified during the pre construction investigations. Should suspect materials be encountered during works on site, further investigations will be undertaken and appropriate control measures implemented.
- 10.3 Materials will be disposed of via licensed waste disposal contractors, and as necessary to a specialised licensed waste tip, e.g. for any contaminated ground materials, hazardous materials, etc. The Site Manager will ensure regular collections of waste materials. Waste collections will be planned in line with our traffic management arrangements and be timed to minimise disruption and risk to non construction personnel.

11. Identification of any buried services, such as foul sewers, so that they are protected.

- 11.1 NAAMEC Limited will ensure that all the utility companies have been contacted to obtain details of the existing services on site. The Site Manager will ensure that all existing plans and drawings for services have been obtained from all the utility companies and obtained are kept on site for reference.
- 11.2 We shall also use service detection devices to check and accurately locate buried services, prior to any excavation works. The proximity of the existing electrical sub station close to the rear site boundary will be considered.
- 11.3 Hand digging will be used in the immediate vicinity of services shown on drawings or indicated by on-site inspections.
- 11.4 Particular consideration will be given to the close proximity of overhead power lines around the site, including those along Coedcae Road. The works and construction plant will be planned to avoid risk contact with overhead cables. Where necessary, Western Power (Tel: 0845 601 3341) will be contacted to discuss any specific control measures necessary. All works undertaken close to these live services will be undertaken in accordance with the guidance contained in the HSE publication "Avoidance of Danger from Overhead Lines" (Ref. GS6).

12. Traffic Management

- 12.1 Access to the construction site will be made via a new site entrance to be formed off Coedcae Road. Suitable vehicles will be selected to take account of the narrow access road, entrance and limited space on site. Segregated pedestrian entrance, routes and areas will be provided at the site as necessary.
- 12.2 Before commencement of operations, signs will be erected which warn all non-construction personnel of the works in progress. The signage will make clear segregation of construction traffic routes and members of the public. Signage will include instructing and warning delivery drivers of site rules and constraints, and proximity of public and children on the access road. All construction related vehicles will be expected to comply with the existing restrictions on the public routes, including 20mph speed restrictions. Traffic management arrangements will be detailed in the site Traffic Management Plan and risk assessment. Suppliers will be provided with information and arrangements for deliveries in advance, including avoiding deliveries around the start and end of the nearby primary school.

- 12.3 On-site parking will be provided, wherever possible, to minimise impact of parking on the surrounding public highways. However, due to the limited on-site space, it may be necessary for contractors to park on public roads during the project. Number of vehicles will be minimised where possible, including encouraging car sharing. Where on street parking is necessary, contractors and site visitors will be instructed to park with consideration of neighbouring and to ensure that vehicles to don't create obstruction to roads or pavements.
- 12.4 Banksman will be used to oversee the movement of construction vehicles into and out of the site, as necessary.
- 12.5 Where possible delivery vehicles will be brought onto site. Site traffic management will be planned where possible to avoid reversing, however any reversing vehicles will be overseen by banksman. Any parking and offloading of delivery vehicles at roadside will be oversee by a banksman and will be carried out to avoid any obstruction or nuisance to other road users or neighbours.
- 12.6 Roads will, so far as is reasonably practicable, be kept free from mud and cleaned on a regular basis, if deemed necessary

13. Monitoring and Management

- 13.1 NAAMEC Limited site and company management will be responsible for the implementation of this plan. The full time Site Manager based at site will be Nigel Clifford (Tel: 07970 378193).
- 13.2 This plan will be communicated to all site personnel during site inductions, toolbox talks, etc.
- 13.3 If requested by NAAMEC Limited, South Wales Safety Consultancy Limited, can carry out periodic site safety inspections and will produce written reports of their findings.
- 13.4 Any complaints raised with the Site Manager will be recorded and actioned immediately where possible. Should immediate action not be possible, the agreed remedial actions will be recorded, together with a timescale.

14. Emergency Contacts:

- 14.1 Details of emergency contacts will be displayed on site and will include details of the various utility companies, the emergency services, Neath Port Talbot County Borough Council, the Health and Safety Executive (Tel: 0300 003 1747) and the Natural Resources Pollution (Tel: 0300 065 3000).

Signed... Date 20/02/2023

NameNigel Clifford (Managing Director)

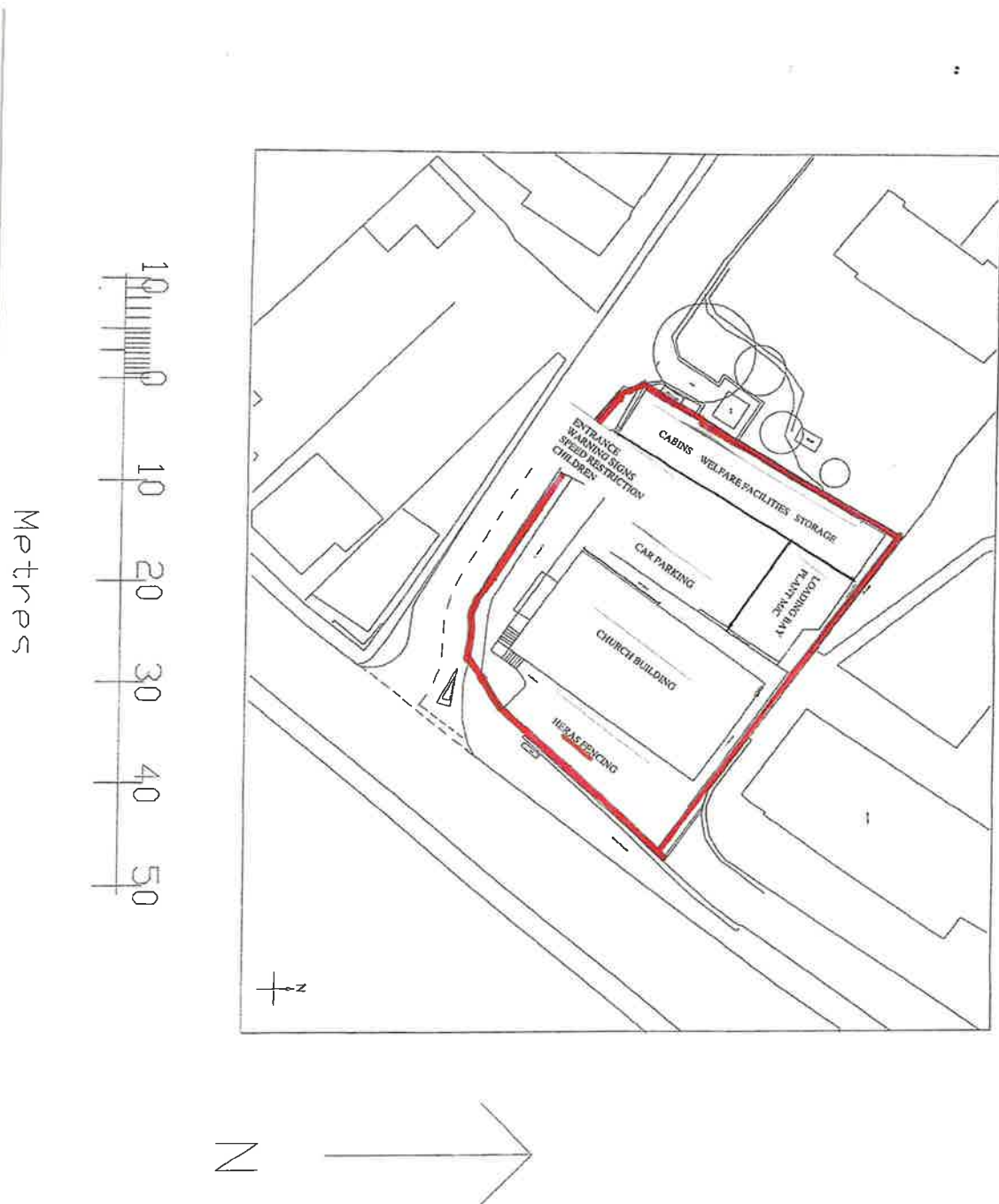
For and on behalf of NAAMEC Limited

Signed ...  Date 20/02/2023

Name: Mr P. Clement

Architectural Designer: Industrial Design (dip Ind Design), Msiad, SMSTS

Appendix A – Site Plan





Size

600mm

Material

Composite Aluminium substrate

Reflectivity

RA1 (Engineer Grade)

Mounting

Wall Mounted

Other fasteners available separately here.

Your text
here

Your text:

CHILDREN
SLOW DOWN
10 MPH
MAX SPEED

Size - width x height (mm)

600x450

 Specify exact width and height

Material

Composite Aluminium substrate

Reflectivity

RA1 (Engineer Grade)

