

Construction Environmental Management Plan

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AGP Construction

15805 Jubilee Park

Jubilee Park, Dinas Lane, Liverpool, L36 2NW

Introduction

This Construction Environmental Management Plan (CEMP), prepared by Cleveland Land Services Ltd, is designed to set out the standards of construction logistics and practices that will minimise, if not eliminate, the impacts of the proposed AGP sports pitch construction works upon the local environment and local community surrounding the site.

Prior to any works being undertaken a dilapidation report will be compiled in order to record the condition of the site prior to mobilisation. This record can then be used to ascertain if there has been any undue wear and tear on any of the site during the construction phase.

In a commitment to improving Environmental Standard across the company an Environmental Management System has been implemented which became accredited to ISO 14001:2015 in January 2021. Before work commences the site manager and any site operatives will check the area for any obvious issues which may generate environmental problems such as trees, wildlife, drains or watercourses. There will be no tree felling or shrub clearance during this project.

Environmental considerations will be continually assessed and monitored to ensure:

- Flora/Fauna/Archaeology are protected where applicable.
- Any visual intrusion is minimised.

- Dust, odour, smoke and noise will be minimised as far as possible in order to not cause a nuisance.
- The contamination or pollution of watercourses, ground waters, drains and land is prevented.
- The impacts from vehicle movements both on and off the site are minimised.
- Roads adjacent to the site are free from mud.
- Waste is disposed of in accordance with the 'Waste Management Duty of Care'.
- Any materials or fuels held on site are stored in a safe and appropriate manner and that facilities are in place to deal with any spillage which may occur.

Detailed in the CEMP as follows:

1. Lorry routing for construction traffic
2. Measures to prevent the deposit of debris on the public highway
3. The segregation of construction vehicle and pedestrian movements on site
4. Measures for the control of noise, vibration and dust emissions
5. A scheme for the recycling/disposal of surplus soils and waste resulting from construction
6. The siting of temporary buildings and site compound

1. Scope of Works

This project has been designed to construct a 73m x 46m Floodlit 3G AGP and Parking provision at Jubilee Park. The scheme has been designed to minimise movements of materials and therefore vehicles to and from the site. The phases of the scheme are set out below.

- Site Clearance
- Excavation & Groundworks
- Drainage Works
- Pitch Foundations & Base
- Artificial Grass Surface
- Perimeter Fencing
- Sports Equipment & Site Furniture
- Floodlighting
- Hard Standing Areas

2. Logistics

The management of logistics for the site is critical to ensure that disruption to local community is kept to a minimum, as well as ensuring that busy periods during start and end of the school days are not exacerbated by construction deliveries / vehicle movements. The proposed site hours are as follow:

Monday to Friday 08:00 to 18:00

Saturday 08:00 to 13:00

**“No works to take place on Sundays or Bank Holidays
without prior written agreement from the Council”**

All deliveries will be scheduled through the CLS site team, with the site supervisor being made aware prior to the arrival of deliveries, this is to ensure that a banksman is available to control the access and egress of the vehicles via Lincombe Road and Lydney Road into the Jubilee Park Site.

A segregated compound parking area on site will be established (see Appendix A– Traffic Management Plan) following discussion with the client to reduce impact on the local community and the existing club users. This will also prevent site operative’s car parking in residential streets nearby. The compound will be constructed of ‘herras’ type fencing with double clips.

Site access and setup will be utilised from existing entrances, these will be managed to suit the phase of works. Welfare and storage cabins will be configured in a manor to reduce impact to local residents on Lincombe Road and Lydney Road.

Double stacking of welfare and storage facilities will be avoided to maintain privacy.

Access to site for delivery vehicles will be via Lincombe Road and Lydney Road, this is to reduce the vehicle movements on other outlying roads. This information in the form of a Traffic Management Plan will be provided to all suppliers.

3. Ground users and Pedestrian Access

During the construction phase, the existing ground car parking will be affected minimally, and normal pedestrian access will be maintained. Therefore, arrangements for the following will be the same as the existing operation of the site:

- i) Vehicular access;
- ii) A designated area for staff & visitor parking spaces to be provided on-site;
- iii) Pedestrian access to the facility, playing areas and public footpaths.

4. **Noise**

Normal working hours are Monday to Friday 08:00am – 18:00 and Saturdays 08:00 to 13:00

**“No works to take place on Sundays or Bank Holidays
without prior written agreement from the Council”**

Best Practical Means as stated in BS 5228-1 will be implemented throughout the course of the project. Where noise related activities are planned to exceed the stated working hours then the Environmental Health Officer will be consulted prior to commencing works.

During the scheme noise will be monitored by taking point readings during each phase of the construction that requires heavy plant movement at locations to suit the specific current operational activities. Records will be maintained; an example of a noise monitoring plan specifying locations is below:

Where noise levels recorded exceed 65dB(a) then the following applies:

- A further reading will be taken if the reading is > 65dB(a) noisy site operations will cease.
- If the reading is < 65dB(a) a further reading will be taken 1 hour later.
- Should sequencing of site operations be unable to achieve a reading of 65dB(a), further investigation will be undertaken to consider this against the 65 L(aeq) limit. Where the limit maybe breached the LPA will be consulted.

Noise from plant and equipment will be minimised by turning off plant when not in use. Only modern plant designed with a reduced noise output will be used on this scheme. All plant and equipment will be regularly serviced, maintained and inspected on a daily basis to ensure noise pollution emitted is at a minimum whilst carrying out the works.

- There will be no generators left running out of hours and through the night in this scheme.
- Radios/MP3 etc are not permitted to be used on site.
- Vehicles used regularly on site, for example forklift trucks / JCB's, must have white noise / broadband reversing alarms fitted.
- Static plant powered by internal combustion engines shall be sited away from dwellings, offices, etc

5. **Vibration**

The risk of significant levels of vibration from plant and equipment is considered low, plant and vehicle movements will be on engineered haul roads wherever possible minimising vibration.

There will be use of large plant on site however most of the plant used will be of a medium size. Vibration monitoring will be carried out where material is being compacted down or large rollers are being used via two survey stations placed on site. These will be monitored in real time and reports provided where required.

Vibration from plant and equipment will be minimised by turning off plant when not in use and daily inspections and regular maintenance.

6. Dust & Odour

Cleveland Land Services will ensure that Best Practical Means in relation (ref: Institute of Air Quality Management - Guidance on the Assessment of Dust from demolition and construction) to dust control will be implemented during the project.

Using the guidance set out in the above document the risks of Dust Impacts during the Earthworks and drainage would be Low Risk.

Vehicle Cleaning - Maintaining surrounding infrastructure (Roads)

The layout of the site allows for a straightforward management for both deliveries and plant and equipment movements.

On establishment a stone section will be segregated, this area will be utilised for vehicle parking for operational staff and visitors and will serve as the access to the storage area upon which delivered materials will be deposited. This will ensure that there is no contamination from earthworks that can be transferred to public highways. Services vehicles etc. will not be permitted to leave the existing hard stand areas, any maintenance operations to plant and equipment will be undertaken adjacent to the hard stand areas to prevent contamination of the areas.

A road sweeper and or a suitable powered jet wash (Western Global H250P Towable Washer Bowser or other similar approved) wheel wash will be provided in the very unlikely event of any site to public road contamination. CLS plant and equipment will be cleared of any loose mud etc. before being loaded onto low loaders for transporting off site. The wash will be located at the access and egress point for the site within the site boundary adjacent to Lydney Road.

Measures to mitigate / control the emission of dust and dirt.

Prior to works commencing we will communicate with the community through a letter drop and / or face to face in a community meeting. Through this engagement we will highlight what works will be undertaken during the contract.

The company contact details along with site safety information will be displayed on the site entrance. Each working site has a site diary to which a record of the daily weather including wind and local dust conditions will be recorded. All site complaints including complaints that are dust related will be recorded in the diary and the client made aware. Any complaints regarding dust will be communicated to the company support Services Manager for further investigation.

Regular onsite and offsite (within 100m of site) visual inspections to be undertaken and the results of dust levels to be recorded in the site diary and photographs of the recording point will be stored on the CLS contract specific data folder. The frequency of these inspections will be increased during periods of high winds.

In this scheme the position of stockpiles will be positioned away from any receptors towards the North Eastern boundary of the site. The stockpiles will generally be quarried products and these stockpiles cannot be dampened as the materials need to be dry to work with when placing them back onto or into the sports pitches being constructed.

All site vehicle movements will be kept to a minimum also no site vehicle will be left idling when not in use. All plant has exhaust systems that point up thus avoiding the ground blow experienced when operating equipment with underslung systems.

Whilst cutting concrete chambers or other PCC products on site CLS will ensure that the correct dust suppression water bottles are used at all times to protect our employees and the general public from harmful silica dust.

If at any given point during the contract excessive dust is recorded outside the site boundary or there are periods of excessive wind the works will cease until the conditions allow for the safe recommencement of activities.

Should any excavation result in the release of any noticeable unpleasant odour that element of works MUST cease, and a mitigation plan agreed with the client and Knowsley Council.

Water sprays will be on site at all times and used where necessary and serviced by a permanent water supply on site next to the construction area (pavilion)

7. Storage of Fuel, Oils and Chemicals

A buffer zone will be established between the working area and the woodland habitat. Fuel will be stored on site in a bunded fuel bowser within the site compound and handled as per the COSHH data sheet and risk assessment.

All oils and chemicals will be handled with care as per COSHH data sheets and risk assessments, and when not in use will be stored in a safe and secure manner, i.e. locked in a vehicle or similar.

Spillages



In the event of an unforeseen spillage, a spill kit will be available at all time on site.

Carriage of Hazardous Materials

CLS hold a current waste carrier's license and operatives will ensure that the relevant steps are taken for the safe transportation, storage and return.

8. Waste Management & Pollution Control

There is to be no burning of any waste all waste to follow the plan below

Waste Hierarchy

CLS will manage waste and follow the company WMP in accordance with the waste hierarchy.

Specifically the amount of waste produced will be minimised by the use accurate material purchasing. Waste that is produced will be considered for reuse prior to consigning for recycling or disposal.

Construction Waste - Waste from construction activities will be disposed of through a licensed waste management contractor. Contractors will be appointed based on their performance of recycling of mixed waste.

Excavation Waste and Drainage Arisings

Waste from these activities will be stockpiled for reuse away from any house site boundaries prior to reuse or removal from site to be recycled. If at any point during the construction phase it is found that water runoff is leaving the site works will cease and mechanical measures put in place to prevent the runoff leaving site.

The following principles will be employed:

Pollution from waste will be minimised by using the correct and safe storage of the waste:

- Segregation different types of waste as they are generated.
- Marking of waste containers clearly with their intended contents.
- Using containers suitable for their contents.
- Disposing of different wastes in the correct containers.
- Checking the condition of waste containers before use.
- Placing containers in impervious bunded areas (if required)
- Ensuring that containers are securely covered (If required)
- Preventing damage to materials during storage.

Prior to removal of any waste from site CLS will carry out the following checks:

- Check that the carrier's licence is valid.
- Check that a copy of the carrier's licence is recorded within the site documentation on-site.
- Ensure the waste carrier is authorised to carry the type of waste for disposal.
- Check that the receiving site is appropriately licenced.

Once the checks are completed and in place CLS will:

- Complete transfer notes accurately and in full.
- Keep copies of all transfer notes of waste sent off-site.
- Check that the waste is going to the correct disposal centre as documented on the transfer notes

9. Best Practices to be maintained during the construction phase

- Work will be conducted during daylight hours to minimise impacts to nocturnal species such as bats, badgers and hedgehogs.
- If badgers are encountered during construction all contractors onsite will be advised to stop work. Advice from a suitably qualified person will be sought and revised method statement will be produced.
- Where any pits/trenches are left open overnight, secured planks will be placed within these at an angle of no more than 45 degrees in order to provide a means of escape for any badgers or hedgehogs.
- In the event that badgers, or hedgehogs are found to be trapped or injured within the Site no attempt should be made to approach the badger and the RSPCA should be contacted immediately.
- Due to the inquisitive nature of badgers any litter, tools and machinery that could potentially cause harm should be kept away from badgers by appropriate overnight storage.
- To avoid presenting new digging opportunities for badgers no stockpiles are to be made adjacent to the boundary fencing for prolonged periods.
- There are no planned works to any breeding or nesting trees or hedgerows within this project.
- If it is found that there is an issue with pests on the site during the construction phase Knowsley Council will be notified and measures put in place to eradicate the pest.

10. **Implementation and Review**

The control measures identified in the CEMP, and sub-ordinate documentation, will be implemented by the following means:

- Relevant information will be communicated to sub-contractors before an order is placed during a precontract meeting. An order will only be placed with a sub-contractor following a commitment that they will work to the control measures specified. Where they are required to appoint specific plant, equipment or specialist resources this will be stated in their contract.
- Sub-contractors will be required to submit a detailed method statement for all works they undertake stating detailed control measures. This will be reviewed and authorised by the Site Manager prior to the commencement of operations.
- All site operatives will be required to attend a site induction before undertaking any work. The induction will be conducted by the Site Manager and will include all control measures site operatives are required to work to.
- Access and egress from the site for operatives and deliveries / collections will be controlled by a CLS banksman who will be supervised by the Site Supervision / Managers.
- The Site Supervision / Managers will walk the site daily to monitor the works and implementation of the specified controls. Where actions are required to further implement controls these will be raised with the employee. If required, they may use a red / yellow card disciplinary and or toolbox talks to improve the implementation of the specified controls.
- Any incidents or visits from regulators will be reported to the CLS Support Services Manager by the Site Supervisor / Manager.

In addition to the monitoring described above, the implementation and effectiveness of controls will be reviewed as follows:

- The Site Supervision / Manager will conduct an inspection on general good order and security on a daily basis.
- The Site Supervision / Manager will conduct an inspection of all environmental controls on a fortnightly basis.
- The CLS Support Services Manager will conduct an inspection of all environmental controls and site safety during random unscheduled audits.
- A project meeting will be held on an agreed frequency, to be attended by the Site Supervisor / Contracts Manager and Client, to review the results of the above monitoring and inspections. The effectiveness of the specified controls will be considered, and any actions required to improve the overall environmental performance of the project agreed and documentation updated accordingly.

Complaints in relation to Environmental Management of this scheme can be made via email to:

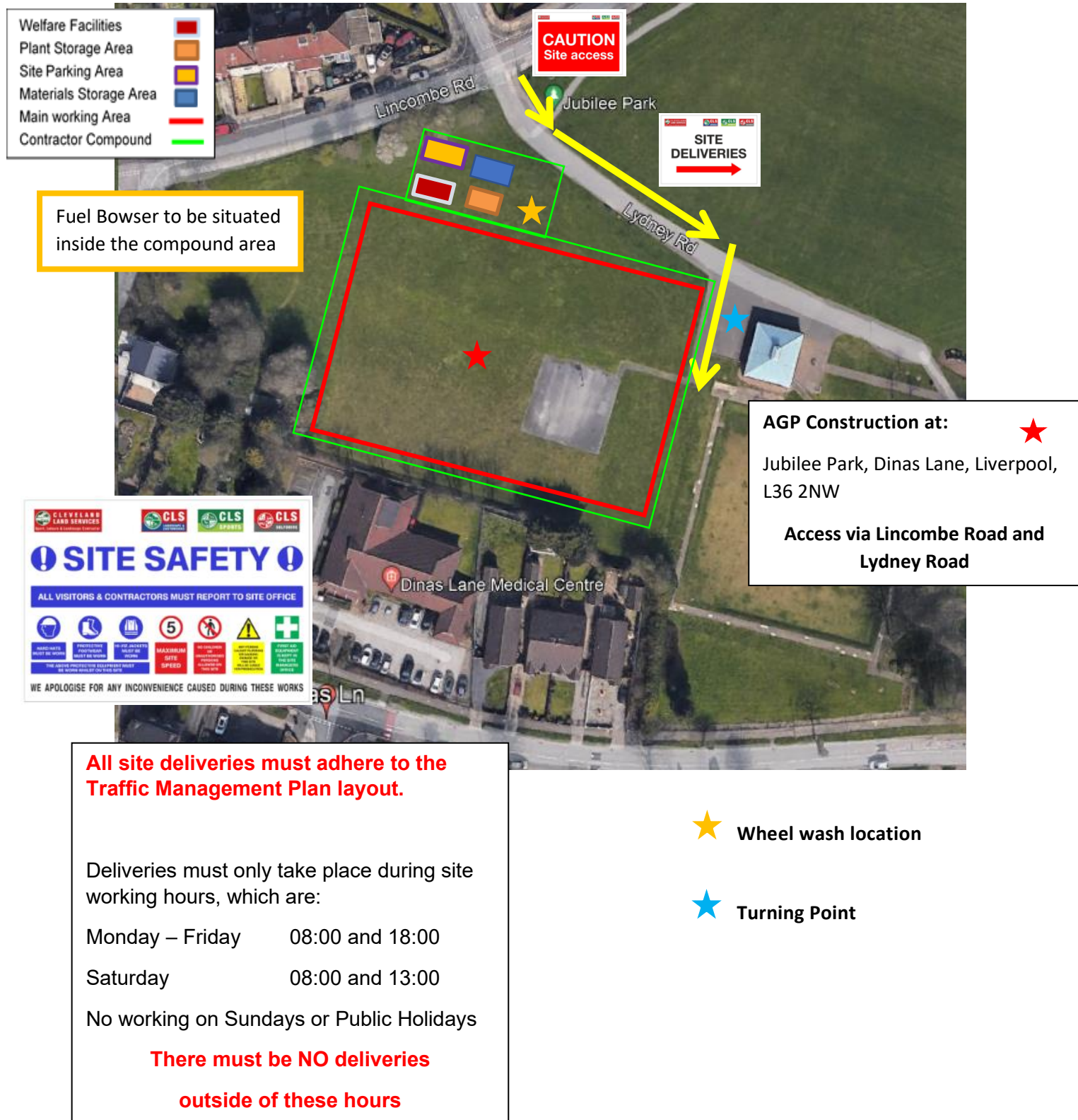
info@cls-headoffice.co.uk referencing 15805 Jubilee Park in the subject line of the email

Alternatively complaints can be made by calling CLS Headoffice on 01642 488328

This information will also be on a site noticeboard.

Appendix A

Traffic Management Plan – 15805 Jubilee Park



Deliveries will be staggered to ensure that no vehicles will be holding on the public highway in the vicinity of the works.

A Competent banks man will be present to ensure the safety of all for the delivery of plant, equipment and materials.

Access for machinery, Materials and aggregates is via Access via Lincombe Road and Lydney Road into the Site, all deliveries should adhere to the access road signage which will be clearly visible on entrance.

All site traffic & deliveries must always be aware of park users & other site personnel as well as activities by other site users when accessing and leaving site. All vehicles when practical to do so MUST turn within the confines of the site. In instances where the delivery requires reversing either into or out of the site a banksman must be present. All deliveries/site personnel must report to the site office.

All deliveries/site personnel must report to CLS Site Manager upon arrival at site.

All visitors and staff must sign in and be wearing the minimum PPE requirements outlined through signage upon on entry.

The areas designated for delivery and temporary storage will be signed and segregated from members of the public. Any misuse of these signs and segregation barriers (of all types) will be dealt with and reported to the client. The safety of all on site is paramount. When possible delivery hours in school term time to be 09.30-14.30 off peak, due to three schools in the area.

Generators will be stored and form part of the site cabin in a designated enclosure within the cabin. The cabin locate is provide on page 12 of this document. The model of generator will unfortunately not be know until the day of delivery as is dependant on supplier and availability at the time.

Site security will provided in the form of CCTV.

Sub-base materials will be tipped in insitu and spread & rolled. Drainage gravels will arrive to site with very little dust content being drainage gravel however where risk of dust omission is perceived, stockpiles will be covered appropriately.

**All deliveries and collections of loose materials
MUST be covered**

All deliveries MUST follow these instructions

Appendix B

Programme of works

