Construction Environmental Management Plan

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AGP Construction and Drainage

15619 Godmanchester Football & Sports Assoc.

1. 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.

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 artificial lighting in use during the construction phase of this scheme on the assumption it will be constructed during British Summer Time in daylight hours.

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

2. Scope of Works

This project has been designed to create a 106m x 70m 3G LED Floodlit Football Turf Pitch at Godmanchester Football and Sports Association Trust. 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

3. 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 through the site entrance on Bearscroft Lane (A1198).

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.

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 Bearscroft Lane (A1198).

Site Security, Access and Egress

The site setup shall be enclosed with an adequate security fence in accordance with the recommendations of HSG 151; Protecting the Public: Your Next Move – and shall include for all necessary signage, safety notices to ensure all persons are aware of the hazards and safety measures to be followed. There will be clear and signposted access for the emergency services to the existing fire escape routes. The site heras fencing construction will be robust to prevent access by unauthorised personnel.

All plant, equipment and vehicles will be locked and secured and stored within the confines of the secured site compound or perimeter fencing.

No vehicles will be left running unattended, and keys will be removed when not in use to prevent unauthorised access.

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

Access to site for delivery vehicles will be via Bearscroft Lane (A1198), 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.

4. Sports Club users and Pedestrian Access

During the construction phase, the existing club car parking will reduce marginally, and normal pedestrian access will be maintained. Therefore, arrangements for the following will be the same as the existing operation of the sports club 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.

5. 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 and daily inspections and regular maintenance.

6. Vibration

The risk of significant levels of vibration form 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 from plant and equipment will be minimised by turning off plant when not in use and daily inspections and regular maintenance. There is no piling on this scheme

7. Dust

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 Bearscroft Lane.

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 western 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 the planning authority.

In addition to points 5, 6, & 7 in relation to Noise, vibration, & dust CLS will employ Environmental Monitoring Stations to monitor Noise, dust, and vibration. Where results can be monitored in real time. 2 stations will be deployed at sensitive receptors identified on site. Results can then be fed back to the client and contractor team monthly and weekly where below ground works commence.

8. Storage of Fuel, Oils and Chemicals

Fuel will be stored on site in a bunded fuel bowser 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 used 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.

9. Waste Management

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

The topsoil will then be stripped to the required depth using an LGP dozer & excavator then a balanced cut / fill performed on the formation.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. Any stockpiles will be no more the 2.5m high and whilst on site will be treat as if part of the works until removed or placed around the facility and will be graded with suitable batters. 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

10. 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.

11. 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 15619 Godmanchester Football and Sports Association Trust in the subject line of the email

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

Appendix A

Traffic Management Plan – 15619 Godmanchester Football and Sports Association Trust AGP Construction



All site deliveries must adhere to the Traffic Management Plan layout.

Deliveries must only take place during site working hours, which are:

Monday – Friday	08:00 and 18:00
Saturday	08:00 and 13:00

No working on Sundays or Public Holidays

There must be NO deliveries outside of these hours

AGP Construction at:

Godmanchester Football and
Sports Association Trust
Bearscroft Lane, Godmanchester. PE29 2LQ

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

Access for machinery and aggregates is via Bearscroft Lane (A1198) into the Godmanchester Football and Sports Association Trust Site, all deliveries should adhere to the access road signage which will be clearly visible on entrance.

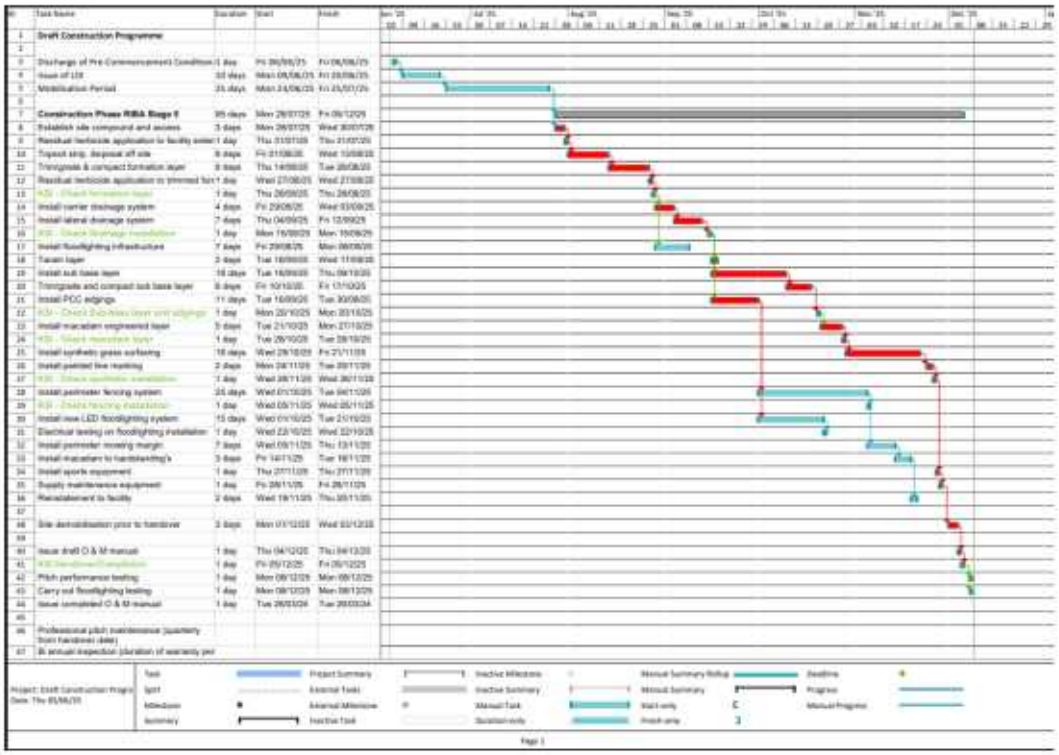
All site traffic & deliveries must always be aware of club users & other site personnel as well as activities by other site users when accessing and leaving site. In instances where the delivery requires reversing either into or out of the site a banksman must be present. All deliveries/site personnel 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.

All deliveries MUST follow these instructions



Appendix B

Programme of works