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CONSTRUCTION PHASE HEALTH AND SAFETY PLAN



FRAMEWORK PARTNERS

'Design and Construction of Artificial Sports Surfaces'

Compiled for:



Ribble Valley
Borough Council

www.ribblevalley.gov.uk

Edisford Sports Complex
**STP & Pavilion
Construction**



www.cls-sports.co.uk

Rec: 28/5/19.

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All risk assessments and COSHH data sheets are included at the end of the Health and Safety plan.

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25.04.19	1	J. Smithies	C. Stephenson	29.07.2019	25.04.19

Section 1 - Contract Particulars

CONTRACT NAME:

Edisford Sports Complex
STP & Pavilion Construction

SITE ADDRESS:

Roefield Playing Fields, Edisford Road
Clitheroe, Lancashire. BB7 3LA.

CLIENT:

Ribble Valley Council, Council Offices, Church
Walk, Clitheroe, Lancashire, BB7 2RA

CLIENT CONTACTS:

Mark Beveridge- Head of Cultural and Leisure
ServicesE: mark.beveridge@ribblevalley.gov.uk

Tel: 01200 414479 - Mob: 07958 657875

Adrian Harper, Head of Engineering Services

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Daniel Green, Surveyor

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T: 01200 414523 - M: 07932 604981

PRINCIPAL DESIGNER:

Ribble Valley Council
Alan Coar, Principal Surveyor
E: Alan.Coar@ribblevalley.gov.uk

PRINCIPAL CONTRACTOR:

Cleveland Land Services (Guisborough) Ltd.
Park Farm, Dunsdale, Guisborough. TS14 6RQCLEVELAND LAND SERVICES
REPRESENTATIVE:Chris Stephenson - Contracts Manager
07852 943239
c.stephenson@cls-sports.co.uk

HSE AREA OFFICE

HSE, Redgrave Court, Merton Road Bootle,
Merseyside, L20 7HS

Contact: Alan Coar 01200 414514

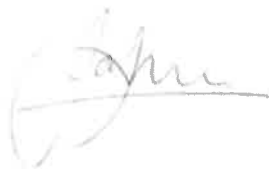
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CONTRACT START DATE: 07-05-2019

PRACTICAL COMPLETION DATE: 16 weeks from start date
(Weather dependant)

DOCUMENT PREPARED BY Jason Smithies – Support Services Manager

Signature



Date: 25.04.19

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25.04.19	1	J. Smithies	C. Stephenson	29.07.2019	25.04.19

Section 2 - Emergency Services Contact Details and Traffic Management**N.B. DISPLAY COPY ON SITE NOTICEBOARD**

Nearest Hospital A&E:

Royal Blackburn Hospital
Haslingden Road, Blackburn
Lancashire. BB2 3HH
Tel: 01254 263555

Nearest Police Station:

Lancashire Police
Police station, King St
Clitheroe, BB7 2EU
Tel: 01200 458734

FIRST AID KIT

Located in the Pavilion Building

All Emergency services:

999

Your Location is:



Synthetic Pitch at:

Roefield Playing Fields,
Edisford Road
Clitheroe, Lancashire.
BB7 3LA.

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First Aid Arrangements

First Aid arrangements shall comply with the requirements of the Health & Safety (First Aid) Regulations 1981.

Location of the site First Aid Box

Welfare Unit

All company vehicle also carry first aid kits

The Contract emergency arrangements will be in place for the start of the contract. The emergency procedures will be brought to the attention of all at the Site Induction.

Emergency Contact Numbers

Cleveland Land Services Head Office	01642 488328
Contract Manager (Chris Stephenson)	07852 943239
CLS Support Services Manager (Jason Smithies)	07968 994346
CLS Safety Committee Chair (Andy Barker)	07803 282653

Site Security, Access and Egress

The site will be secured using existing perimeter fencing and 'heras' type fence panels (as required).

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.

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Traffic Management Plan – Edisford Sports Complex – STP and Pavilion 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
Sat

07:30 and 20:00
By Appointment

No working on Sundays or Public Holidays

**There must be NO deliveries
outside of these hours**

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

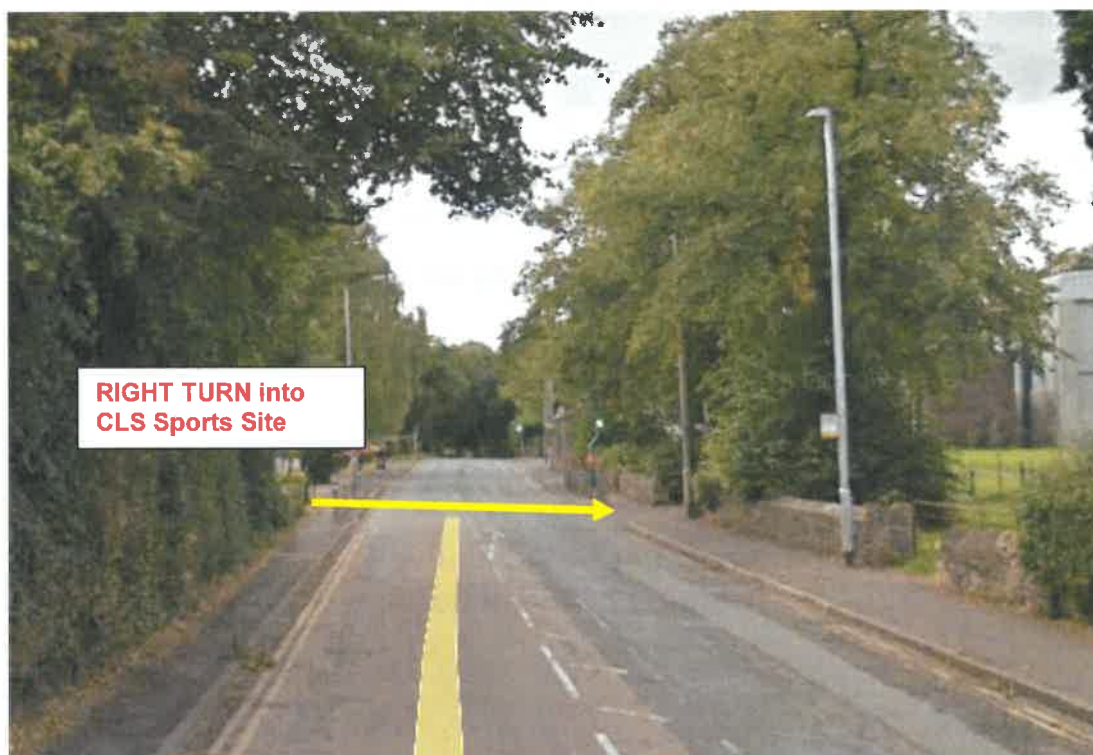
Access is off Edisford Road, all deliveries should adhere to the access road signage which will be clearly visible on entrance.

All site deliveries must be aware of the potential of crossing traffic from cyclists and the general public. 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 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 and the school community. Any misuse of these signs and segregation barriers (of all types) will be dealt with and reported to the school. The safety of all on site is paramount.

View heading WEST on Edisford Road



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View heading EAST on Edisford Road



View of the site entrance



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Section 3 - General Health and Safety Policy Statement and Safety Goals

We recognise and accept our responsibility as an employer for providing a safe and healthy working environment for all employees and to avoid risks to the health and safety of others who may be affected by our activities.

We will take all reasonable steps within our power to meet this responsibility. We will identify significant hazards and plan for their elimination, reduction and control by conducting risk assessments at regular intervals, the results of which will be communicated to our employees.

Communication between all levels of employees within the Company is paramount and we will therefore ensure that there are adequate arrangements in place to permit the flow of information both to and from employees.

All our employees will be given adequate information, instruction and training as is necessary to ensure their and others safety, whilst carrying out their duties on behalf of the company.

We will plan and budget to address the issues identified from the assessments and those deficiencies identified through our regular monitoring exercises.

Our policy will be regularly monitored, reviewed and updated at least once per annum to reflect any changes in legislation or in light of any changes in our activities or procedures and any updates will be brought to the attention of our employees.

We are aware of the need to employ contractors to conduct certain works on our behalf and undertake only to employ contractors who are professionally competent and who are compliant with relevant health and safety legislation.

We all have a legal duty to co-operate in all safety related matters, not to endanger others or ourselves and not to misuse anything provided for safety. In particular, all persons are to ensure that appropriate safety rules are followed as failure to do so may result in disciplinary action being taken.



Signed: Mr. J. A. Miller

Date: 09.01.19

Position: MANAGING DIRECTOR

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Health & Safety Goals

It is a paramount goal of all divisions of Cleveland Land Services Ltd, to ensure that safe and healthy working conditions, equipment and systems of work are provided for all persons involved in the contract. This extends to all visitors to the site including members of the public in the vicinity of the site.

To achieve this all employees have undergone in house and or externally accredited training.

- The Contract Manager for the project will hold the C.I.T.B. 5 day "Site Managers Safety Training Scheme" qualification.
- Mobile Plant Operators will hold the relevant C.P.C.S. / N.P.O.R.S. category.
- 100% of our Site Operatives will have passed the C.I.T.B. H&S touch screen test.

The company goal is to always improve by reducing the number of accidents occurring across all divisions and departments. To reach this goal the contracts Health & Safety performance will be continually monitored by the site management. The company Support Services Manager (SSM) will also undertake 'Unscheduled Safety Audits' on live contracts. Records of all audits and inspections will be made available to all relevant parties retained in the site contract file throughout the contract. Any concern noted by the SSM during the audit will be raised directly with the site management. Any lessons to be learnt will be conveyed to team members by means of a 'toolbox talk'.

All accidents and near misses will be reported to the company Support Services Manager using the company Accident / Incident reporting form. It is the responsibility of the SSM to investigate and report any incident that requires action under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR).

Clients Safety Goals

Monitoring of accidents and near misses with a goal of zero major accidents. Minimise risk, disruption or inconvenience to the staff and public, who will require access to adjoining areas of the building during the works.

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Section 4 - Environmental

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, drains or watercourses.

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.

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 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:

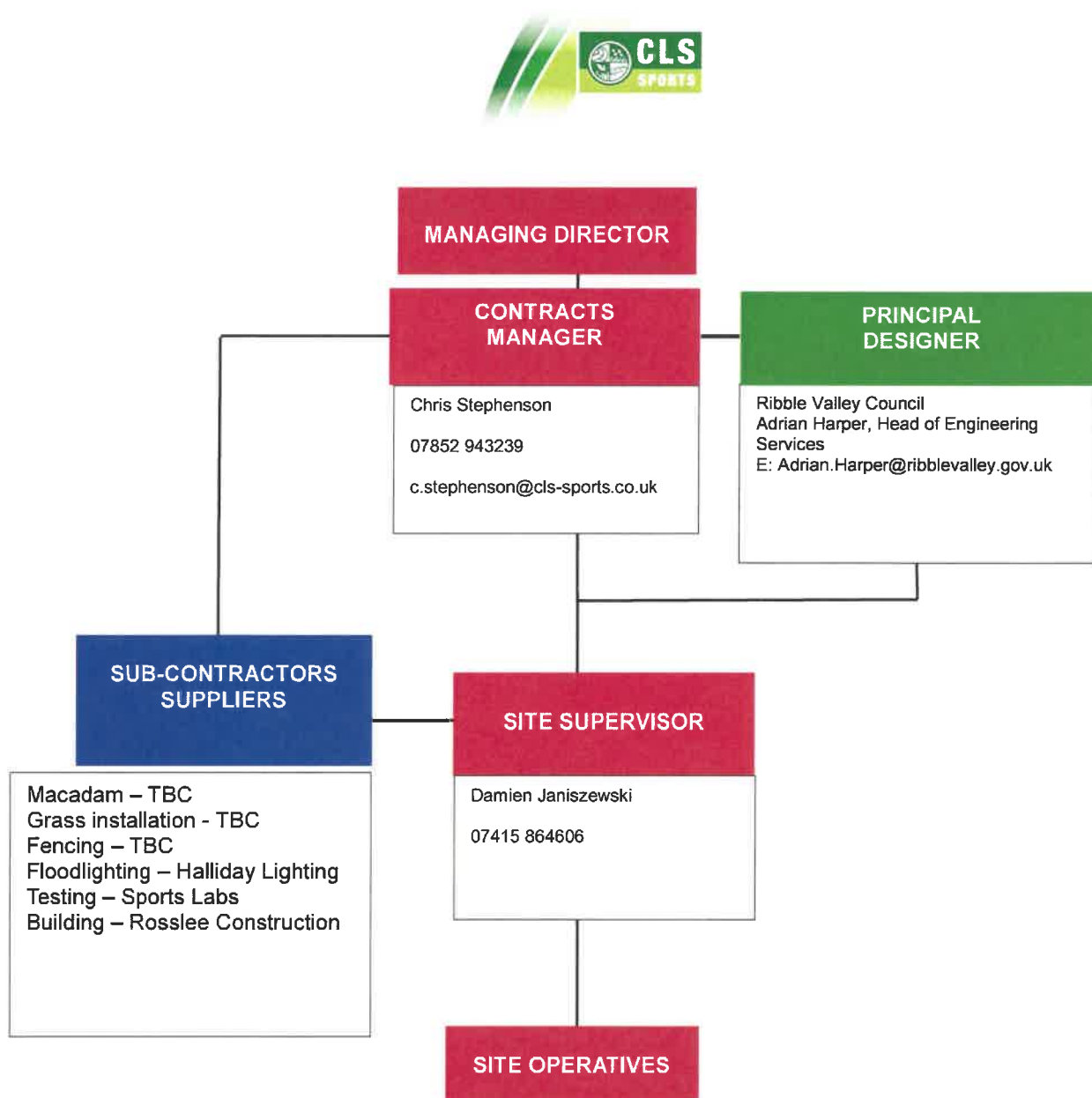
Cleveland Land Services hold a current waste carrier's license and operatives will ensure that the relevant steps are taken for the safe transportation, storage and return.

Waste must be put into the skips, bagged or withdrawn from site as soon as possible. Care must be taken not to allow dust, debris, packaging, etc. to be blown around. Also ensure that all areas of the site are kept clean and tidy and trip hazards are removed. Hazardous chemicals will not be stored on site.

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Section 5 - Communications

Management Structure - for co-ordinating site operations/sub-contractors and Suppliers.



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Liaison and Communication with Key Interfaces

CLS recognises its duty to communicate all relevant information and variations to the contract between the Site Team, Design Team, Principal Designer and any Contractor.

In order to achieve this CLS will endeavour to:

- Inform all in the Contract Team of any revision to the Contract Health and Safety Plan.
- Submit a monthly Health & Safety report to all in the Contract Team regarding the site safety performance.
- Co-ordinate all activities between various operations on the site. This will be carried out during daily site briefings by the Site Management Team.
- The site Manager to speak to school each morning to identify relevant issues daily.

We are all Safety Officers

This statement outlines the view of CLS. It is the company policy that everyone is responsible for safety and that all views and concerns regarding safety are important. The company has an open door to all where site safety is concerned. Any employee, sub-contractor or visitor is encouraged to raise any suggestions or comments regarding safety to a member of the Site Management Team as soon as possible. Any site specific lessons to be learnt will be conveyed through 'toolbox talks', any wider issues will be addressed by memos to all sites.

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Section 6 - General Rules and Contract Information

Prior to arriving on site all CLS Staff will attend a site specific induction covering but not limited to the following areas and on completion will sign and date the register attached to the Health and Safety Plan.

- Site Location.
- All information included within the Health and Safety Plan.
- Minimum site PPE requirements
- Specific aspect of work being carried out
- Confirmation of site supervisor and Manager
- Perfect delivery statement
- Site details
- Site access and egress
- Traffic management procedures
- Site risks and preventative and protective procedures
- Relevant details of the Health and Safety Plan
- Site Rules
- Emergency procedures
- Means of escape in the event of an emergency
- Fire fighting facilities and their use
- Welfare and first aid facilities
- Provision and use of Personal Protective Equipment

All relevant Contract Emergency Procedures & Fire Plan to be followed as highlighted in the site induction.

An open-door policy will be in place on site with respect to all aspects of the contract. Any party on site can liaise with any member in the management structure for the site with respect to Health & Safety and the contract details.

All employees will conduct themselves both in terms of safety and attitude accordingly and that any person acting in an unsafe manner or behaving in a manner likely to cause offence will be removed from the site. All employees should not enter any area outside of the working area or site compound unless given approval by site management.

Visitors must report to the CLS Supervisor on site.

A Competent person must be present to ensure the safety of local residents for the delivery of plant, equipment and drainage aggregates and materials.

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6.1 Mandatory Site Rules & Conditions

1. All visitors must report to the Site Office.
2. All site operatives to receive site induction before commencing work on site.
3. No abusive / foul language on any area of the site at any time.
4. No Smoking at all on site only permitted in designated areas as highlighted in the site induction and at your supervisor's discretion.
5. High visibility and safety footwear must be worn at all times.
 - a. All other task specific P.P.E. MUST be worn as required.
6. Obey marked speed limit and all other signs displayed.
7. All reversing Lorries must have a Banks-man.
8. Before excavating, ensure there is a PERMIT TO DIG in place for the area you are working.
9. Treat all services as live and dangerous until proved otherwise.
10. Report any unsafe conditions found, including unsafe actions by others.
11. Only trained and qualified persons to enter a confined space.
12. Operate plant/machinery only if qualified and authorised to do so.
13. No vehicles to be left running unattended and keys MUST be removed when not in use to prevent un authorised access.
14. Radios / MP3 etc. are not permitted to be used on site.
15. Seat belts must be worn, where fitted on dumpers, rollers etc.
16. Be aware of Site Emergency / Fire procedures.
17. No person under the influence of alcohol or drugs will be allowed on the site. Any person found to be under the influence of either alcohol or drugs will be removed from site and if a CLS employee will be subject to disciplinary action.
18. No eating or drinking on site, only in the dedicated welfare facilities provided.
19. The social use of mobile phones on site is prohibited unless they are used inside the welfare facilities during segregated break times.
20. The business use of mobile phones is allowed on the designated contract areas only. Project related photographs may be taken, only when children and members of Edisford Sports Complex are not in the vicinity of the works to ensure the 'Safe Guarding' of the children.

The wilful disregard of these site safety rules and conditions will result in the offending individual being removed from site. If the individual is an employee of CLS, disciplinary action will follow.

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6.2 PPE requirements:

The following items of PPE will be used as appropriate during the contract:

- Hi-Viz jacket/waistcoat (BS EN 471 Class 2) **MUST** only have the CLS logo any other will not be allowed on site.
- Safety footwear steel insole and toecap (BS EN 20345:1)
- Eye protection (BS EN 166)
- Ear protection Muffs – BS EN 652-1 Plugs – BS EN 352-2
- Head protection to BS EN 397
- Disposable coveralls to EN 13034 (Type 6).
- Gloves (see below)
- Disposable respirators to BS EN 149.FFP1S.

Gloves supplied are as follows:

General purpose:

Protection from mechanical hazards – **Conforms to EN 420**

Re-fuelling plant:

Ventilated back, Natural rubber coated palm – **Conforms to EN388**

Kerbing

Protection from mechanical hazards –
must be resistant to abrasions type 4 Glove **Conforms to EN 388**

Cutting materials

Protection from sharp blades, cut resistant gloves **Conforms to EN 388:2003
& EN 407:2004**

All other personal protective equipment required for specific tasks as highlighted in the risk assessments will be issued by the site supervisor prior to starting the task.

The required PPE will be worn at all times failure to comply will result in the employee being removed off site. Depending on the severity of the incident if the employee is allowed back on site they will need to have a full site induction accompanied by his site supervisor.

Site Supervisors will also be warned if this occurs and any reoccurrences could result in them being removed off site with the same consequences as above.

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6.3 Working Hours and Welfare Facilities

Site working hours: Mon / Fri 07:30 hrs – 20:00 hrs
Sat by agreement

No plant to be started before 07:30 hrs or run after 20:00 hrs

Sunday or Bank Holidays by agreement

All welfare facilities provided must be kept clean and tidy at all times. Staff must only eat in designated areas. Toilets provided must be used at all times, ensure that hands are washed and barrier cream is used.

The Welfare Facilities will either display or be the place where the following are stored:

- All statutory registers and contract Health & Safety Paperwork
- Health & Safety posters to be on display e.g. H & S Policy, H & S Law Poster, Fire Action Notice, First Aid, Site Rules, Emergency Procedures, F10 Notification
- First Aid Boxes,
- Fire Fighting Equipment
- P.P.E.

6.4 Site Registers – Briefings – Toolbox Talks

A daily site register must be completed by all staff including sub-contractors and submitted to CLS management weekly

CLS management will carry out daily activity briefings with all staff at the start of each shift to discuss the daily activities been carried out on site including changes to design and any health and safety issues will also be raised/discussed at these meetings. All operatives will carry out the daily plant inspections and date and sign the inspection sheet, any defects must be recorded and reported to site supervisor and CLS workshop.

CLS operate weekly Toolbox Talks for all staff, the topic discussed, person carrying out the talk and register of staff attending are recorded and a copy kept at CLS main office.

6.5 Monitoring of Work

Site progress meetings with Ribble Valley Council will be held as agreed to discuss the works and any other issues arising throughout the contract.

A written instruction from the client will be sought if any aspect of the contract needs to change from that set out in the BOQ or drawings.

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6.6 Health & Safety Information and Site Safety Audits

Information deemed necessary for inclusion in the Health and Safety Plan shall be promptly forward to the CDM Principal Designer as required by Construction (Design and Management) Regulations 2015.

Health and Safety inspections will be carried out randomly by Contract Manager / Site Supervisor during the Contract Period. Any issues highlighted will be dealt with immediately with copies of inspection submitted to the Support Services Manager.

All relevant safety information will be passed on to site operatives in either written or verbal form. Posters, manuals, etc. will all be available for reference and any training necessary will be carried out as and when required.

6.7 Contract Inspections and Tests and Quality Management

All works will be inspected for specification and quality as per CLS Inspection and Test Plan and recorded on the relevant Installation Check Lists. Any items identified as not conforming to the required specification will be recorded on the installation check list and measures put in place to rectify the issue.

The development in recent years of quality management systems and their application in the landscape/construction industry is seen by the Company as a means of providing confidence of the Company's abilities to customers. As a logical step in following the principles outlined above, Cleveland Land Services implemented a Quality System which became accredited to ISO 9001:2008 in March 2009 and subsequently accredited to ISO 9001:2015 in February 2018.

All employees of the Company associated with these activities will be required to comply with the provisions of the Quality System and its implementing procedures as they apply to them on the various contracts on which they are engaged. Operational Managers at all levels in the Company will be responsible for ensuring their subordinate staff are instructed, understand, and comply with these requirements.

6.8 Training

All CLS employees will only carry out tasks for which they are trained. A complete 'Training Matrix' is available on request. This matrix contains all training and certificates passed and pending.

All CLS employees are trained and hold CSCS / CPCS cards. Plant operator certificates / training evidence will be produced by all operators at the site induction.

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6.9 Fire Prevention and Action Plan

All elements of this contract will be performed in the open air; therefore the risk to life from a fire is reduced.

However measure must be taken to prevent fires. These are but not limited to:-

- Fire action notices shall be prominently displayed within the site accommodation.
- No fires are permitted on site.
- No Smoking is permitted on site
- Risk Assessments must be in place for all hot work activities.
- All waste skips to be positioned a minimum of 10 metres from any accommodation, plant, equipment or site the boundary.
- Housekeeping is to be of a high standard with domestic waste being bagged and stored in skips. This waste must be removed from site in a timely manner to reduce the risk of fire and also to reduce the risk of vermin attack.
- A dry powder fire extinguisher shall be located within the site accommodation.
- All excavators / dozers and large plant will have a dry powder fire extinguisher located within the cab.

What to do if you discover a fire?

In the unlikely event of a fire incident on site 3 long blasts of an Air Horn will be sounded to warn all onsite. CLS will utilise the same fire assembly points as Edisford Sports Centre.

On the next page is a 'Fire Action Notice'. This notice must be displayed in the Welfare Cabin onsite. If there is more than one cabin onsite it MUST be displayed in each cabin.

Fire within existing pavilion building

Procedures will be as per the existing fire prevention and action plan that is already in place within the building. All fire exits are marked out and the existing muster point is out the front on Chorley New Road.

The fire action notices are within the pavilion building and must be adhered to in case of a fire.

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6.10 General requirements for all elements of the contract

All elements of this contract will be subject to risk assessment in accordance with the Management of Health and Safety at Work Regulations 1999.

All hazardous substances will be subject to assessment and control in accordance with the Control of Substances Hazardous to Health Regulations 2002.

All personnel present on site will be trained as appropriate to their work task(s), typically:

- (a) In the use of plant and other work equipment.
- (b) In the use of hazardous substances.
- (c) In manual handling/kinetic lifting techniques.
- (d) In the use of personal protective equipment.

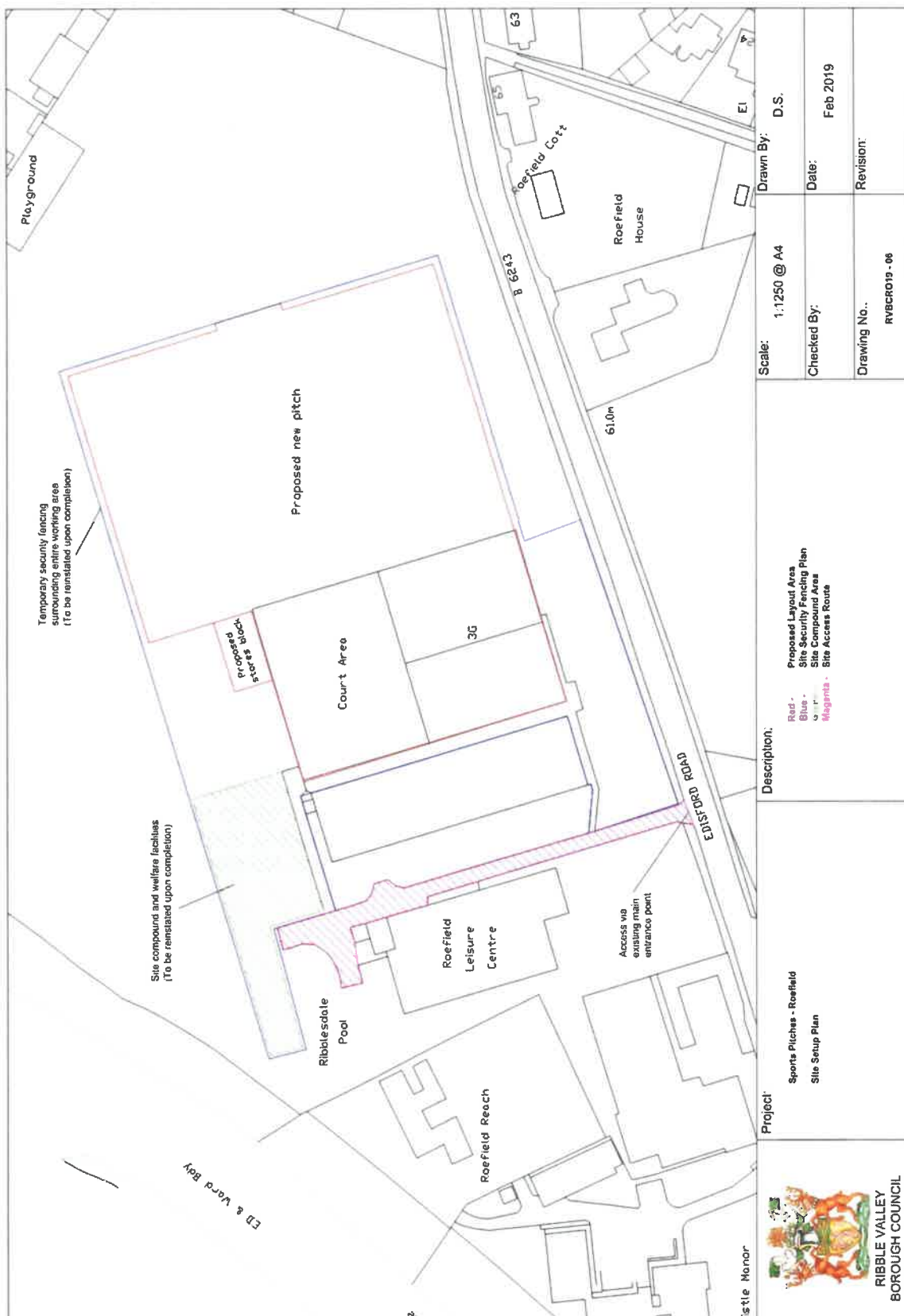
All plant / tools / work equipment used on site will be subject to an appropriate regime of examination, inspection, testing and maintenance in accordance with *Provision and Use of Work Equipment Regulations 1998 (PUWER)* and *Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)*, the *Electricity at Work Regulations 1989* and other related health and safety legislation/approved codes/guidance.

Safety of all on the site is paramount and if the weather deteriorates to a point that work cannot be carried out safely i.e. freezing conditions, snow, ice, heavy rain, wind or fog work will be suspended. The decision to suspend works during adverse weather condition will be taken by Chris Stephenson – Contracts Manager for this project. The client will be notified when works have been suspended due to adverse weather conditions and the programme may need to be amended to allow for the days lost due to these suspensions.

The elements contained in this scheme have been structured to reduce the amount of manual handling to a minimum. If any element changes during the works that element will be assessed to reduce MH and mechanical means will be utilised. If as above the weather affects any element that involves manual handling that task will be reassessed to ensure the safety of site personnel. Repetitive tasks are always reduced utilising the rotation of site personnel.

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6.11 Site Setup



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Section 7 - Accidents and Incidents

All accidents, incidents and near misses no matter how minor need to be reported to the site supervisor or first aider. As required entries must be made into CLS site accident book and the page entry must be returned to Support Services Manager at Park Farm. Ribble Valley Council will also be informed of all accidents and near misses.

All accidents, incidents and near misses must be investigated. This must be carried out by the Site Supervisor, Contract Manager or Support Services Manager depending on the seriousness of the incident. In any event the Support Services Manager will conclude on the information gathered and report any changes to procedure if required. Any changes to company policy and procedures will be issued as a memo to all managers to cascade down in the form of 'Tool Box Talks'.

It is the responsibility of the Support Services Manager to inform the relevant authorities and the school in the event of a RIDDOR incident.

INCIDENT ACTION GUIDE

ACTION FOLLOWING INCIDENT	YOUR IMMEDIATE ACTION			COMPANY ACTION WITHIN 24 HOURS				COMPANY SUBSEQUENT ACTION			
	Attend to injured Safely	Make accident scene safe	Report to Supervisor/Line Manager	Supervisor/Manager reports to Director	Supervisor/Manager reports to Health and Safety Manager	Health and Safety Manager reports to HSE (if required)	Accident Book completed	Supervisor/Manager/Health and Safety Manager carry out investigation and report to Directors	Health and Safety Manager send F2508 to HSE within 7 days (if required)	Director inform Insurance Company (if required)	Add incident to statistics
SERIOUS INJURY Requiring immediate professional medical attention	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SERIOUS INCIDENT BUT NO INJURY Dangerous Occurrence, Potential for major damage, fire or spillage or release		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INCIDENT CAUSING INJURY and absence from work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MINOR INCIDENT, CUTS & BRUISES No absence from work	✓	✓					✓	✓			✓
MINOR INCIDENT - NO INJURY Near miss		✓	✓				✓	✓			✓
ROAD TRAFFIC ACCIDENT Where injury occurs	✓	✓	✓	✓	✓		✓	✓		✓	✓
ROAD TRAFFIC ACCIDENT No injury to anyone		✓	✓					✓		✓	✓
VISIT OF ENFORCING AUTHORITY / HSE INSPECTOR / POLICE / EHO / NRA			✓	✓	✓						

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SECTION 8 - HAV Assesments & Construction Noise

Hand Arm Vibration Assesments

(Exposure points per day 400)

Hydraulic breaker medium duty gun; 32 points per hour
Total per 8 hour shift **256** points (constant use)

Stihl saw: 42 points per hour
Total per 8 hour shift **336** points (constant use)

Construction Noise

Under the **Control of Noise at Work Regulations 2005 (the Noise Regulations)** the level at which employers must provide hearing protection and hearing protection zones is 85 decibels (daily or weekly average exposure) and the level at which employers must assess the risk to workers' health and provide them with information and training is 80 decibels. There is also an exposure limit value of 87 decibels, taking account of any reduction in exposure provided by hearing protection, above which workers must not be exposed.

Exposure Levels

- lower exposure action values:
 - daily or weekly exposure of 80 dB;
 - peak sound pressure of 135 dB;
- upper exposure action values:
 - daily or weekly exposure of 85 dB;
 - Peak sound pressure of 137 db.

All employees to wear the appropriate hearing protection when working next to plant and equipment as required and identified above.

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.

CLS utilise Stihl TS 410-12 saws – Maximum use / day – 2.5hrs – 114dB

Hydraulic breaker – Maximum use / day – 4hrs – 101dB

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Section 9 - Plant and equipment proposed including noise levels

We are unable to determine the exact model of machine to be utilised on the site due to the wide range available, and the availability of the equipment at contract commencement. All plant will receive a daily check with records to be kept in the site file, a weekly plant Audit will be completed by CLS site supervisor and submitted to Ribble Valley Council if required.

All plant, equipment and vehicles are on a scheduled service routine which forms part of the CLS Quality Management System. Prior to operating plant and equipment on site we will supply copies of the last maintenance sheets and LOLER certificates if applicable.

Any lifting equipment i.e. chains, slings or shackles will have the relevant certificates and will also have a coloured band on them to identify that they have been inspected and are fit for use.

All tractors have LGP tyres fitted to avoid ground compaction.

All tractors are EU compliant with in cab noise reading at about 75dB and external reading 102dB dependant on operation

Tractors and construction equipment

Cat D5 Dozer			
10t Dumptruck			
21t Excavator			
8t Excavator			
6 tonne Dumper			
3t Mini Excavators	95dB	2685kg	Ground Pressure 4.7 psi
Bomag 120 roller			
Ts410 – 12 Stihl saw	– 114dB		

Deliveries of materials will be with bulk tipping Lorries

This list is not exhaustive; the client will be notified of any additional plant

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Section 10 – Project Description

The scope of this project is to construct a full size 3G pitch complete with shock pad, floodlights and perimeter netting on an existing green field site; refurbish an existing 3G surface and multipurpose surface, including new lighting and perimeter fencing. Also included is a brick building containing toilet block, store and community room (Pavilion Building).

The project involves the removal of all, surfacing, fencing and lighting from the existing artificial surfaces, including in-situ shock pad, breaking out the macadam base and sub base. This latter material to be reused on site. The scheme incorporates the complete replacement of the existing area with two 3G five aside surfaces, plus a 3 tennis court size multi-purpose area, together with the construction of a full size 100mx64m 3G surface with LED lighting, perimeter fencing, goal recesses respect rail, gates and associated tarmac paths. In addition, a new community room, stores and toilet block (Pavilion Building) will be built alongside the AGP area. Including the supply of all services to the new facility.

Scope of works (New STP area)

- ESTABLISHMENT & MOBILISATION
- SITE PREPARATION
- REMOVAL OF EXISTING GRASSED SURFACES
- EARTH WORKS & DRAINAGE
- ENGINEERED SUB-BASE CONSTRUCTION
- LAY MACADAM LAYERS
- INSTALL 15MM INSITU SHOCKPAD
- INSTALL SYNTHETIC GRASS
- INSTALL FENCING
- INSTALL FLOODLIGHTING
- INSTALL EQUIPMENT AND ANCILLARY COMPONENTS
- REINSTATEMENT

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SECTION 11 – METHOD STATEMENTS

All site plant / equipment operators will be either CPCS or CITB trained operators, and will have all the information below briefed to them by a CLS Supervisor prior to commencement of works.

CLS supervisor is to obtain all service information and permits as required, carryout any trial hole excavations and alert all staff to the whereabouts of any services within the working area.

Delivery / storage of plant, equipment and materials

A Competent banks man will be present to ensure the safety of local residents for the delivery of plant, equipment and drainage aggregates and materials

Deliveries must adhere to the Traffic Management Plan.

Access to the proposed pitch construction area is down a narrow macadam access road within the school grounds. Only CLS approved vehicles to gain access to the pitch. All bulk deliveries DO NOT have direct pitch access. Bulk deliveries will be made to a designated area within the site.

All deliveries to follow the directions and instructions as set out in the contract Traffic Management Plan.

Where possible materials are to be delivered to the site on a 'Just in Time basis'. When this is not possible materials are to be stored safely in locations about the site, the exact positions to be as follows:

- Plant and equipment – Will be delivered and removed from the low loaders directly onto the access road/car park avoiding any confrontation with local traffic using the adjacent roads and will be parked safely on the pitch, with doors locked and brakes applied within designated heras panel compound located adjacent to the pitch.
- Bulk Deliveries/general building supplies – To be stored on the designated area.

The following statement applies in all circumstances.

“Materials dependant on nature to be stored on or off site or within secure accommodation, in suitable condition and position including protection as required so as to prevent tripping or other associated risks to both public and operatives”.

Underground services

Prior to starting works the site will be surveyed using a cable avoidance tool (C.A.T.) to locate any underground services/power lines and mark position on ground using suitable line marker.

If services are revealed, hand dig slit trench to locate marker tape.

No work can commence on-site until confirmation has been received that all services, which are likely to be affected by the works, have been disconnected

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SITE PREPERATION

PERMIT TO DIG MUST BE OBTAINED FROM CLS SITE MANAGER PRIOR TO ALL EXCAVATION WORKS

SPORTS PITCH DRAINAGE INSTALLATION

CLS site supervisor will mark out the alignment of the main drains and set laser to achieve the required grade.

Main drains will be excavated using a 5T excavator or similar, the excavated material will be moved using a 6T swivel dumper and tipped at an agreed location on site. 160mm perforated pipe will be laid at the bottom of the excavation and junctions installed at the appropriate distance for the lateral drainage scheme. The pipe will be cut using a hack saw to ensure smooth cut and good connection between pipes. The main will then be back filled with 10 mm clean stone using a dumper.

Following the installation of the main drains, the CLS site supervisor will mark the lateral drainage scheme. Due to the size of the scheme the lateral drainage will be constructed in the same manner as the mains drainage pipe using an 80mm perforated pipe. The main and the lateral drains will be laid crown to crown. Backfilling the drains is as per the mains, on completion of all these works we will pass over the drains using a 120 roller to ensure the gravel has settled prior to the placements of the Type 3 stone.

KERBING

The Line and level for the pitch is to be set out by CLS's engineer. Pins will be installed to determine the line and level for the pin kerbs. It may be necessary to excavate a trench to ensure the correct depth of concrete is achieved. A permit to dig must be obtained prior to driving pins into the formation.

Kerbs will be laid using insitu C20 concrete to agreed levels. All pin kerbs will be laid by hand.

Cement in concrete burns skin and must be washed off immediately, glasses must be worn to prevent concrete splashes into the eyes

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FORMATION WORKS – SPREADING SUB- BASE

After the drainage as described above is carried out Type 3 reduced fines stone will be brought in, levelled and compacted using D5/D6 LGP laser controlled dozer and a 120 roller.

On achieving the correct level a grit layer is installed. The grit layer is required to bind the top layer to allow trafficking whilst installing the surfacing without effecting the drainage characteristics of the pitch. This can be carried out using the D5 Dozer or using a wheeled laser grader dependant on the imported stone characteristic

Both the Dozer and wheeled grader will provide a +/-6mm tolerance prior to receiving the open graded macadam layers.



MACADAM SURFACING

This element of the works will be carried out by a sub contractor and RAM's will be submitted for approval prior to commencement on site.

SHOCKPAD

This element of the works will be carried out by a sub contractor and RAM's will be submitted for approval prior to commencement on site.

INSTALLATION OF FENCING

PERMIT TO DIG MUST BE OBTAINED PRIOR TO ANY EXCAVATION WORKS

This element of the works will be carried out by a sub contractor and RAM's will be submitted for approval prior to commencement on site.

INSTALLATION OF FLOODLIGHTING

PERMIT TO DIG MUST BE OBTAINED PRIOR TO ANY EXCAVATION WORKS

This element of the works will be carried out by a sub contractor and RAM's will be submitted for approval prior to commencement on site.

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LAYING THE NEW SURFACE

Carpet will be delivered directly, the quantity and condition of rolls will be checked immediately. When called off, the materials will be booked out and distributed to the working areas by mechanical means.

The new surface will be laid sequentially from the furthest point working back over. All carpets are carried into position using a carpet carrying tool mounted to a tele-handler. Carpets are laid and stretched into place with sufficient overlap to allow cutting with a SMG cutting tool. This tool accurately cuts both carpets to achieve a near invisible joint. Carrier tapes are laid beneath the joints and glued using a continuous feed two part adhesive.

All seams are recorded in the laying log to form part of the CLS sports Q and A. Sand is then spread over the surface before trimming edges, this ensures the carpet has fully stretched into position. Once pulled tight and temperature conditioned the edges are cut to the kerb edging. The 3G pitch will have rubber crumb installed to the correct depths and ratios, as per the manufacturers instructions. The surface once filled, will have a final drag mat over to produce the finished surface.

Playing lines are cut in by blowing the sand out of the carpet pile where lines are required. Playing lines are fixed using the same two part cold fix adhesive. Upon completion, newly installed areas will be inspected to ensure materials have been fitted correctly and in accordance with the relevant specification, finishes, schedule and/or drawing. Any discrepancies may be rectified prior to hand over to the Client.

TYPE 5 GLOVES MUST BE WORN WHEN USING CUTTING TOOLS

ALL USED BLADES WILL BE DISPOSED IN A SHARPS BOX OFF SITE BY CLS



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PAVILLION CONSTRUCTION**PERMIT TO DIG MUST BE OBTAINED PRIOR TO ANY EXCAVATION WORKS**

This element of the works will be carried out by a sub contractor and a Contract Health and Safety Plan and RAM's will be submitted for approval prior to the sub-contractor commencement on site.

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SECTION 12 – Arrangements for Controlling Site Risks

Cleveland Land Services recognises that the contract contains the hazards identified below, also its need to manage the onsite operations. A brief outline of the controls are detailed below. A systematic evaluation of all tasks has been undertaken to identify all hazards. Safe systems of work and risk assessments will be produced prior to work commencing on site and attached to this document.

Element of construction	Outline description of hazard.	Outline Controls
Site set up and security	Injury to operatives and public from site works.	Site will be set up as per Traffic Management Plan in section 2. Pedestrians around the site will be minimal as heavy plant will be in operation. All plant operators will be notified if pedestrians are on site and visitors will be escorted by a member of site management.
Lifting Operations	Contact with falling equipment / loads	Any lifting on site will be done using a suitably specified item of plant rated for that purpose and possessing the relevant documentation. All lifting will be done in accordance with relevant method statement and the control measures contained in RA431.
Preventing falls	Personal injury	Any working at height will be done in accordance with a task specific Risk Assessment. Where possible working at height will be eliminated. All deliveries where possible will be loaded so that they can be lifted off from ground level.
Dealing with services	Personal Injury	All existing services will be identified from service drawing where available. All broken ground must have a CLS 'Permit to Dig' in place before proceeding. If services are known to be on the site, prior to this work commencing we will verify locations of both live and disconnected services prior to undertaking any works.
Traffic and vehicle management	Contact with moving plant and machinery.	All vehicle movements will be as per Traffic Management Plan in section 2. This will be reviewed as necessary by Contracts Manager. Where necessary suitable crossing points will be identified to allow site plant and vehicles traveling along access road to be controlled.
Accommodating adjacent land use		CLS will make arrangements and safe lines of passage to accommodate the use of adjacent land when required to do so. As outlined in the pre contract particulars.
Poor ground conditions		Any areas of poor ground conditions will be identified on site and there locations made aware to all on site via briefing and site inductions.

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Dealing with contaminated Land		Any contamination removal will be subject to a specific Risk Assessment and Method Statement. All works will also be carried out under the direction of the Support Services Manager.
Removal of Asbestos	Industrial Disease	CLS will instruct a suitable qualified specialist contractor to deal with any asbestos either found on the site or known to be on the site.
Protection of public	Personal injury.	Any works that may bring the general public into harm will be fenced off when practicable. Specific Risk Assessments will give instruction on the protection of the public and others.

Risk Assessments

The risks of a task are rated before any control measures are put into place under two categories Likelihood and Severity. Once control measures have been put into place the risks are reassessed in line with the same parameters.

These categories are broken down as follows:

Likelihood • Likely • Probable • Occasional • Remote • Improbable	Severity • Fatality • Major Injury / Occurrence • Injury / Damage • Minor Injury • Negligible effect
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SEVERITY	Fatality	5	10	15	20	25
	Major Injury / Occurrence	4	8	12	16	20
	Injury / Damage	3	6	9	12	15
	Minor Injury	2	4	6	8	10
	Negligible effect	1	2	3	4	5
		Improbable	Remote	Occasional	Probable	Likely
		LIKELIHOOD				

The risk numbers are coloured **RED** – **AMBER** – **GREEN**.

RED

Strong likelihood of fatality / serious injury occurring

The activity must not take place at all. You must identify further controls to reduce the risk rating.

AMBER

Possibility of significant injury or over 7 day absence occurring

If it is not possible to lower risk further, you will need to consider the risk against the benefit.

GREEN

Possibility of minor injury only

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