

C1 - Written Scope of Works

Project – STAR Academies Boys & Girls School, Manchester

Sub Contract Works Package – Sports Pitches and Equipment

<i>Ref</i>	<i>Description</i>
	The Sub Contractor will:
1	Provide all design, supervision, labour, plant, materials and temporary works as required and necessary to complete the supply and installation of the sub base, drainage, edgings, fencing and gates, engineered base and pitch, lining and sports equipment . As more detailed and described in this document and the information contained in the Sub Contract Numbered Documents.
2	At all times provide and maintain sufficient resources, plant and equipment to complete the Sub-Contract works and each section thereof within the programme period as contained within the Sub Contract and to also satisfy C.9 Programme Amplification.
3	Undertake the works for the agreed lump sum fixed price for the Sub Contract Works as defined within the Sub Contract and its Numbered Documents.
4	The Sub-Contractor has visited site and has made itself fully aware of all necessary considerations of the nature of the site and its surroundings so as to make all necessary allowances when planning and undertaking the Sub Contract Works. More specifically, and not limited to, the Sub Contractor has taken the opportunity to visit site during the tender period and observe and witness the type and nature of the ground and the surrounding site, within which the Sub Contractor will be undertaking its works.
5	Undertake the Sub contract Works whilst working around all constraints on and off the site, alongside and in co-ordinating with the Contractor and other Sub Contractors to the Contractor, work to areas that will require revisits to complete the Sub Contract Works. And has included for doing so within the prices and rates contained within C.7 Pricing Document.
6	Ensure the design, surfaces, tolerances and level of all surfaces satisfy the standards latest requirements and recommendations of Sports England and National Governing Bodies guidance in addition to those detailed in the Numbered Documents, more particularly but not exclusive to the specification referred to in the drawings and as described with the specifications and drawings contained within C.2 Scope Drawings, Specifications and Reports, are fully adhered to and complied with.
7	Ensure that all surfaces upon which other Sub Contractors, of the Contractor, are to install their temporary and permanent works, are jointly surveyed with those Sub Contractors for agreed level and tolerances. Any findings and resultant actions to remedy any aspects are to be made known to and agreed with the Contractor, prior to commencement of any works. No works should be commenced until all levels are agreed with the other Sub Contractor and Contractor is informed of all actions and associated timescales.
8	If required provide small loads and part loads to complete the Sub Contract Works and has included for doing so within the prices and rates contained within C.7 Pricing Document.
9	Provide for all double handling of materials necessary to complete the Sub Contract works and has included for doing so within the prices and rates contained within C.7 Pricing Document.
10	Provide for working around known existing services and must comply with the Contractor's Professional Standards in locating existing services and methods of working and has included for doing so within the prices and rates contained within C.7 Pricing Document.
11	Programme all temporary works associated with completion of the Sub Contract Works, to allow a minimum of 2 weeks approval period. This is to be identified within agreed Sub Contract programme from submittal of all relevant information.
12	Ensure that the movement of all site generated materials is to be stored at designated stockpile areas, properly sealed and maintained, until required to be placed.
13	When importing fill material will comply with acceptability criteria established in advance of the works (as part of the Materials Management Plan, Remediation Strategy, and/or Earthworks Specification). These will need to be site-

	specific (non-generic) and will need to account for potential contaminants at the site of origin.
14	At all times during the Sub Contract Works notify the Contractor immediately if it encounters soft spots or obstructions. The excavations relating to any soft spots or obstructions should be backfilled in line with the Structural Specification.
15	Agree with the Contractor the quantity of all soft spots or obstructions removed in the ground, if practicable the same day and as works proceeds. The Sub Contractor will allow the Contractor the opportunity of measuring, recording and agreeing with the Sub Contractor the quantities associated prior to their removal and filling. The Sub Contractor will be deemed to have included for the breaking out of obstructions or removal of soft spots should the Sub Contractor fail to allow the Contractor the opportunity to measure and agree prior to their removal.
16	Undertake the Sub Contract Works understanding that dynamic compaction as part of the ground treatment, during the earthworks and remediation has been undertaken by other Sub Contractors. The extent of the ground treatment works include: • Roadways and Car Parking • Sports Pitches
17	The specification of material, including granular fill, is to be confirmed by the Sub Contractor, prior to purchase, for approval by the Contractor. Notwithstanding, the specification of all materials proposed by the Sub Contractor is at the risk of the Sub Contractor as suitable for its intended purpose(s).
18	Have had opportunity to make an assessment of the requirements for all off loading and distribution (horizontally and vertically) of all materials and waste removed from site. The Sub Contractor has included for all considerations that could be reasonably be established within the prices and rates as shown in C.7 Pricing Document.
19	Provide segregation of their own works through the use of physical barriers where required to do so by the Contractor and has included within the prices and rates as shown in C.7 Pricing Document.
20	The Sub-Contractor is required to submit his proposed methodology / sequence of works for each visit prior to commencing on site, the programme will be sequenced to ensure it follows Wates methodology / sequence of works and will be fully resourced for the whole project. In addition, the Sub-Contractor shall submit detailed updates of their programme including periods for each visit and anticipated labour levels required for each week throughout the duration of the Sub Contract works.
21	Provide protection to any adjacent works. The Sub-Contractor is aware that any damage or staining to any works by the Sub Contractor will be rectified at their cost and has included within the prices and rates as shown in C.7 Pricing Document.
22	Remove from site, at the request of the Contractor, any materials not required to maintain regular progress of the Sub Contract Works and remove from site any materials that are not required for the completion of the Sub Contract Works.
23	Arrange with the Contractor a joint inspection prior to handover of any completed works. This will be requested in writing at least 48 hours in advance. The Sub Contract Works will not be considered complete without having undertaken the joint inspection.
24	Notwithstanding that the C.9 Programme amplification document that identifies durations to complete the works, the Sub-Contractor has included within the prices and rates as shown in C.7 Pricing Document for completing the Sub Contract in an undefined number of visits.
25	Undertake, at the appropriate time(s), all necessary testing to meet the specification requirements, and provide test results to the Contractor. This is included within the prices rates as shown in C.7 Pricing Document.
26	Provide as-built information and any appropriate information for operation and maintenance in both electronic & paper format. This is included within the prices and rates as shown in C.7 Pricing Document.
27	Leave all working areas clean and serviceable prior to offering for handover to the Contractor.
28	Be responsible for rectifying any defect or damage to sub base caused whilst undertaking the Sub Contract Works. .
29	Be responsible for the protection of all surrounding and adjoining works whilst undertaking the Sub Contract Works until the Sub Contractor has handed areas of work to the Contractor, and the Contractor has accepted it.
30	Keep all working areas clean and tidy during their works and prior to leaving site at any point. The Sub Contractor will pay all costs associated with failure to do so and the Contractor will recover costs it has incurred from the Sub-

	Contractor.
31	Utilise 4Projects to share and obtain design information the Works. An invitation to access the project will be provided by the Contractor.
32	Retain all risk for availability, transport and delivery of materials for the Sub Contract Works.
33	Utilise the Contractors access control system and the Sub Contractor will enrol its operatives onto this system (Biosite) prior to attending site specific induction.
34	Co-ordinate and work alongside other trades whilst preparing and undertaking the Sub Contract Works. More specifically the Sub Contractor will liaise with Contractors other Sub Contractors including more specifically the following trades: • Groundworks including drainage and external Works • Mechanical and electrical resource • Statutory services undertakers • Surfacing • Soft and hard landscaping • Fencing
35	Co-ordinate and sequence the installation of edgings and kerbs prior to commencing Sub Contract Works with the Contractor to allow Sub Contract works to be undertaken without unreasonable hindrance..
36	Prior to commencement on site, liaise direct with Contractor to arrange for a joint inspection of the sub base, area by area, across site. This joint inspection shall confirm: • any discrepancies outside tolerances and specification. • adequacy and suitability of the existing works at commencement • issues or concerns of the Sub Contractor • what actions are required and when to remedy the issues or concerns raised All of the above will be formally issued by the Sub Contractor within 48 hours of undertaking joint inspection.
37	Once inspected by the Sub Contractor, retain the risk associated with the suitability of stone and fill to underside of sports pitches to allow completion of the Sub Contract Works. More specifically, but not limited to, to allow pitches to be drained and no areas of the pitch suffer from undue settlement.
38	Prior to commencing each visit and upon completion of each visit, take measures to ensure that all drainage outlets are inspected to be clean and free from debris/dirt prior to commencing and also completing any visit.
39	Access the work areas utilising access routes as identified on 'Access Routes' marked up drawing contained in C.2 Scope Drawings, Specifications and Reports.
40	Accept that any survey or assessment of low spots in the sub-base or capping layer will not be accepted by the Contractor as a true representation, unless independently verified by a survey and joint inspection with the Contractor. Any agreement to low spots will be reconciled as an average across the whole works area and the calculated and quantified amounts will be measured and form part of a comparison to the specification(s) tolerances.
41	Co-ordinate and sequence the installation of edgings and kerbs with drainage, BWIC Services and the final sub base and capping layers to allow the surfacing Sub Contract works to be undertaken efficiently.
42	Provide builders work details to the Contractor to construct isolated foundations for sports equipment ahead of the surfacing Sub Contractor commencing works across site to the related areas. The locations and layout of sports equipment is to be agreed between the Sub Contractor and Contractor to ensure its location allows proper use of equipment.
43	Liaise with the Contractor as to when the isolated foundations are required. The list below is clarifies what isolated foundations are to be provided by the Contractor: • Table tennis tables – Redlynch Leisure Amsterdam table; 2740mm long x 1525mm wide x 760mm high. Contractor to provide plinth/base. Sub Contractor is to provide fixings and undertake the fixing to concrete base. • Basketball hoop – Sub Contractor to submit proposals for acceptance by Contractor. Contractor to provide plinth/base. Sub Contractor is to provide fixings and undertake the fixing to concrete base.

44	Provide a warranty and guarantee for the whole of Sub Contract Works, that will be in effect from completion of the Works.
	<u>Pitch 1 – Central 3G</u>
	The Sub Contractor will:
45	Receive an existing stone base with the following criteria: • Commencement levels generally in line with 'Existing site levels L. Ryan 18th April 2019 Sheet 1' and 'Existing site levels L. Ryan 18th April 2019 Sheet 2' • Existing surface level should be relatively flat and even, as a guide roughly +/- 20mm • A minimum CBR criteria of 5-10% after 100m reduced level scrape has been undertaken
46	Provide a short pile 3G (40mm) artificial sports pitch that is suitable for Football competition and training and also Hockey training and some competition. The pitch is to be drained and complete with perimeter fencing and gates, with rebound walls, kickboards and associated sports equipment. Overall size of the pitch is to be 61.00m long x 43.00m wide and principle playing area of 55.00m long x 37.00m wide.
47	Undertake a reduced level scrape to the existing MOT type 1 sub-base to a depth of approximately 100mm depth and cart to a stockpile on site. Subsequently the Sub Contractor will the grade, level and compact the surface of reduced level excavation.
48	Construct and complete suitable sub base construction with 100mm deep of compacted imported clean quarried MOT type 1 and 50mm of compacted imported grit layer.
49	Install suitable drainage for the site utilising perforated lateral and carrier drainage, complete with all necessary junctions, silt chambers, outfall drain and connection onto existing manhole stub. The Contractor accepts that a provisional allowance of 5.00m has been made for the outfall drain from pitch drainage to stub connection.
50	Install suitable 150mm x 50mm concrete edgings on concrete haunch to perimeter of playing surface and to inside face of fencing.
51	Construct a 40mm engineered base of open AC10 to surface of sub base construction, followed by installation of 15mm in-situ rubber shockpad.
52	Install a short pile 3G (40mm) synthetic carpet that has filled with sand @ 22kg/m2 and rubber @ 7kg/m2. The surface will have 'cut in' lines for Football and Hockey including tags for goals and centre spots.
53	Construct fencing suitable for Football and Hockey, to perimeter of playing surface at the rear of concrete edgings. Fencing to be minimum 3m high powder coated roll form weld mesh panels, including all corner posts, 3nr 1.2m wide single gates, 1nr 3.00m wide double gate and timber kickboards.
54	Provide suitable portable sports equipment for Football and Hockey.
	<u>Pitch 2 – Girls Macadam</u>
	The Sub Contractor will:
55	Receive an existing sub soil with the following criteria: • Commencement levels generally in line with 'Existing site levels L. Ryan 18th April 2019 Sheet 1' and 'Existing site levels L. Ryan 18th April 2019 Sheet 2' • Existing surface level should be relatively flat and even, as a guide roughly +/- 20mm • A minimum CBR criteria of 5% at commencement level of subsoil
56	Provide a porous macadam sports pitch that is suitable for Netball competition and training and also 5 a side training and recreational use. The pitch is to be drained and complete with associated sports equipment. Overall size of the pitch is to be 36.60m long x 21.35m wide.
57	Undertake a reduced level excavation to the existing subsoil to a depth of approximately 250mm depth and cart to a stockpile on site. Subsequently the Sub Contractor will the grade, level and compact the surface of reduced level

	excavation and undertake a herbicide treatment followed by placing terram geotextile.
58	Construct and complete suitable sub base construction with 200mm deep of compacted imported clean quarried MOT type 1 and 50mm of compacted imported grit layer.
59	Install suitable drainage for the site utilising perforated lateral and carrier drainage, complete with all necessary junctions, silt chambers, outfall drain and connection onto existing manhole stub. The Contractor accepts that a provisional allowance of 5.00m has been made for the outfall drain from pitch drainage to stub connection.
60	Install suitable 150mm x 50mm concrete edgings on concrete haunch to perimeter of playing surface.
61	Construct a 40mm open graded binder course to the surface of sub base construction, followed by a 25mm playing surface.
62	Install to the surface suitable lines for Netball. Lines for 5 a side Football may be instructed by the Contractor at the agreed prices.
63	Install suitable fixed sports equipment for Netball.
	<u>Pitch 3 – Boys Macadam</u>
	The Sub Contractor will:
64	Receive an existing stone base with the following criteria: • Commencement levels generally in line with 'Existing site levels L. Ryan 18th April 2019 Sheet 1' and 'Existing site levels L. Ryan 18th April 2019 Sheet 2' • Existing surface level should be relatively flat and even, as a guide roughly +/- 20mm • A minimum CBR criteria of 5-10% after 100m reduced level scrape has been undertaken
65	Provide a porous macadam sports pitch that is suitable for 5 a side Football training and recreational use. The pitch is to be drained and complete with perimeter fencing, recesses and gates, with rebound walls and associated sports equipment. Overall size of the pitch is to be 37.00m long x 21.00m wide. This may be amended by the Contractor to include Basketball at the agreed prices.
66	Undertake a reduced level scrape to the existing MOT type 1 sub-base to a depth of approximately 100mm depth and cart to a stockpile on site. Subsequently the Sub Contractor will the grade, level and compact the surface of reduced level excavation.
67	Construct and complete suitable sub base construction with 100mm deep of compacted imported clean quarried MOT type 1 and 50mm of compacted imported grit layer.
68	Install suitable drainage for the site utilising perforated lateral and carrier drainage, complete with all necessary junctions, silt chambers, outfall drain and connection onto existing manhole stub. The Contractor accepts that a provisional allowance of 5.00m has been made for the outfall drain from pitch drainage to stub connection.
69	Install suitable 150mm x 50mm concrete edgings on concrete haunch to perimeter of playing surface and to inside face of fencing.
70	Construct a 40mm open graded binder course to the surface of sub base construction, followed by a 25mm playing surface.
71	Install to the surface suitable lines for 5 a side Football. Lines for Basketball may be instructed by the Contractor at the agreed prices.
72	Construct fencing suitable for Football and Hockey, to perimeter of playing surface at the rear of concrete edgings. Fencing to be minimum 3m high powder coated rigid panel weld mesh panels with super rebound, including all corner posts, 1nr 1.2m wide single gates, 1nr 3.00m wide double gate. The fencing may be amended to provide for Basketball at the agreed prices.
73	Provide suitable portable sports equipment for 5 a side Football. The equipment may be amended to include for Basketball at the agreed prices.

	<u>Pitch 4 – Girls 3G</u>
	The Sub Contractor will:
74	Receive an existing stone base with the following criteria: • Commencement levels generally in line with 'Existing site levels L. Ryan 18th April 2019 Sheet 1' and 'Existing site levels L. Ryan 18th April 2019 Sheet 2' • Existing surface level should be relatively flat and even, as a guide roughly +/- 20mm • A minimum CBR criteria of 5-10% after 100m reduced level scrape has been undertaken
75	Provide a short pile 3G (40mm) artificial sports pitch that is suitable for Football competition and training and also Hockey training and some competition. The pitch is to be drained and complete with perimeter fencing, recesses and gates, with rebound walls, kickboards and associated sports equipment. Overall size of the pitch is to be 37.00m long x 21.00m wide.
76	Undertake a reduced level scrape to the existing MOT type 1 sub-base to a depth of approximately 100mm depth and cart to a stockpile on site. Subsequently the Sub Contractor will the grade, level and compact the surface of reduced level excavation.
77	Construct and complete suitable sub base construction with 100mm deep of compacted imported clean quarried MOT type 1 and 50mm of compacted imported grit layer.
78	Install suitable drainage for the site utilising perforated lateral and carrier drainage, complete with all necessary junctions, silt chambers, outfall drain and connection onto existing manhole stub. The Contractor accepts that a provisional allowance of 5.00m has been made for the outfall drain from pitch drainage to stub connection.
79	Install suitable 150mm x 50mm concrete edgings on concrete haunch to perimeter of playing surface and to inside face of fencing.
80	Construct a 40mm engineered base of open AC10 to surface of sub base construction, followed by installation of 15mm in-situ rubber shockpad.
81	Install a short pile 3G (40mm) synthetic carpet that has filled with sand @ 22kg/m ² and rubber @ 7kg/m ² . The surface will have 'cut in' lines for Football and Hockey and centre spots.
82	Construct fencing suitable for Football and Hockey, to perimeter of playing surface at the rear of concrete edgings. Fencing to be minimum 3m high powder coated roll form weld mesh panels, including all corner posts, 3nr 1.2m wide single gates, 1nr 3.00m wide double gate and timber kickboards.
83	Provide suitable portable sports equipment for Football and Hockey.
	<u>Pitch 5 – Boys 3G</u>
	The Sub Contractor will:
84	Receive an existing stone base with the following criteria: • Commencement levels generally in line with 'Existing site levels L. Ryan 18th April 2019 Sheet 1' and 'Existing site levels L. Ryan 18th April 2019 Sheet 2' • Existing surface level should be relatively flat and even, as a guide roughly +/- 20mm • A minimum CBR criteria of 5-10% after 100m reduced level scrape has been undertaken
85	Provide a short pile 3G (40mm) artificial sports pitch that is suitable for Football competition and training and also Hockey training and some competition. The pitch is to be drained and complete with perimeter fencing, recesses and gates, with rebound walls, kickboards and associated sports equipment. Overall size of the pitch is to be 37.00m long x 21.00m wide.
86	Undertake a reduced level scrape to the existing MOT type 1 sub-base to a depth of approximately 100mm depth and cart to a stockpile on site. Subsequently the Sub Contractor will the grade, level and compact the surface of reduced level excavation.
87	Construct and complete suitable sub base construction with 100mm deep of compacted imported clean quarried MOT type 1 and 50mm of compacted imported grit layer.

88	Install suitable drainage for the site utilising perforated lateral and carrier drainage, complete with all necessary junctions, silt chambers, outfall drain and connection onto existing manhole stub. The Contractor accepts that a provisional allowance of 5.00m has been made for the outfall drain from pitch drainage to stub connection.
89	Install suitable 150mm x 50mm concrete edgings on concrete haunch to perimeter of playing surface and to inside face of fencing.
90	Construct a 40mm engineered base of open AC10 to surface of sub base construction, followed by installation of 15mm in-situ rubber shockpad.
91	Install a short pile 3G (40mm) synthetic carpet that has filled with sand @ 22kg/m2 and rubber @ 7kg/m2. The surface will have 'cut in' lines for Football and Hockey and centre spots.
92	Construct fencing suitable for Football and Hockey, to perimeter of playing surface at the rear of concrete edgings. Fencing to be minimum 3m high powder coated roll form weld mesh panels, including all corner posts, 3nr 1.2m wide single gates, 1nr 3.00m wide double gate and timber kickboards.
93	Provide suitable portable sports equipment for Football and Hockey.

GENERAL

The Sub-Contractor will undertake:

- On-site measuring prior to manufacture/commencement on site, the Sub-Contractor shall take all site dimensions, positions and check the works of others to receive his work before commencing manufacture or installation.
- The Sub-Contractor works so as to allow the Contractor and any visiting engineer to establish and check any levels, setting out etc. prior to works commencing and at any agreed quality assurance hold points.
- Setting out of their works and shall be responsible for correcting any errors arising from errors in setting out.
- The Sub Contractor will retain full site engineering responsibility for all setting out, establishing and working to formation and finishing levels as designed.
- Protect the Sub Contractors work, including that of his own materials when stored on site during the course of his work. This must be maintained up to completion of the main contract works, and proper care and attention given to other trades working nearby. This shall also include the removal and replacement of protection from time to time as required. Such care and protection shall include for the protection against inclement weather, theft and reasonable damage by others.
- Traffic management necessary for the plant and material movements required for the Works.
- All necessary testing, commissioning & attendance with Building Control.
- The Sub-Contractor shall not bring deleterious material onto site.

The Sub Contractor will:

- Ensure competent management is present on site for the duration of the Sub Contract Works to deliver the programme in an efficient and effective manner.
- Ensure all operatives have UKATA asbestos awareness training carried out within the last 12 months.
- Ensure all plant operators have a valid fit to work certificate carried out within the last 3 years.
- Ensure personnel either visiting or associated with the installation must be appropriately CSCS qualified.

- Provide all temporary works (to be approved by Contractors temporary works co-ordinators and engineers) to enable construction/installation, including scaffold, task lighting, all loading and distribution, and anything else necessary to complete the works.
- Arrange their own unloading, lifting and distribution of their materials and plant. The Sub Contractors strategy will be issued to the Contractor prior to commencement for approval/comment. The Sub Contractor will be responsible for protection of their materials and works until areas/works are handed over and accepted by the Contractor.
- The Sub-Contractor shall include for all visits to site necessary to complete the works in compliance with our programme requirements, which may vary from time to time and no extra payments will be made due to extra visits required due to site progress.
- Identify any design clashes or uncertainty of design when on site and submit a Technical Query and raise the issue with the Contractor and its Design Team, in a timely manner so as not to cause delay to the Works.

PRELIMINARIES

The Sub-Contractor will:

- Provide all necessary preliminaries including but not limited to all health, safety, quality and environmental requirements, supervision, management and engineering personnel to accurately set out and manage and co-ordinate the Sub Contract Works.
- Provide all necessary, plant, barriers, fencing, signage, traffic management, temporary works and labour to ensure that the Works are carried out in a safe and secure manner with sufficient measures taken to eliminate the risk of nuisance caused by dust, dirt, noise, machinery, vibration, pollution, co-ordination of site traffic etc, are undertaken so as not to cause harm, disruption or un-necessary discomfort nearby properties and the public.
- Provide reasonable access for Others to carry their works during the progress of the Works. This will include, but not be limited to the operations of other Sub Contractors work on site.
- Provide for the removal of all ground & surface water.

DELIVERY OF MATERIALS

The Sub Contractor will:

- Undertake the Sub Contract Works within any constraints on space available on site, the Sub Contractor is to manage their materials and deliveries to ensure storage is only required for short periods of time.
- Schedule deliveries giving the Contractor a minimum notification of 3 days, failure to do so could result in deliveries being turned away.
- Make arrangements for safe off loading of any vehicle prior to arrival on site failure could result in deliveries being turned away.
- Be required to provide a suitably trained and competent banksman for all reversing vehicles.
- Be responsible for their own traffic management plan and loading out during their material delivery periods and any necessary temporary barriers, lane guards, traffic cones, signage etc. in order to manage this procedure effectively. Any such plan must align with the Contractors management plan for the site and be submitted to the Contractor for approval 48 hours prior to undertaking such measures.

WASTE MANAGEMENT / CONTROL

The Sub Contractor will:

- Effectively manage waste and be responsible for control of waste generated by the Sub Contract Works.
- Provide sufficient labour and plant/tools to carry out the collection and removal of the waste from site. All waste leaving site will be recorded on a site waste management plan.
- Respond efficiently and immediately to the Contractor issuing any notice requesting the Sub Contractor to remove waste obstruction(s). The Sub Contractor must clean up the obstruction in such a time, which may be stated by the Contractor that does not require the Contractor to undertake on the Sub Contractors behalf.
- Dispose of waste created due to incorrect order or design of material or equipment, together with the removal from site any pallets, delivery crates and stillage as work proceeds and immediately upon request from the Contractor.

SITE RESTRICTIONS

The Sub-Contractor will:

- Take full cognisance of the prevailing Site conditions and any restrictions arising there from, with particular attention being paid to the parking restrictions, restricted access, site rules, adjoining occupied buildings, construction sites, roads, etc. No subsequent claim for additional costs arising from the Sub Contractor failing to acquaint themselves with the site conditions and restrictions will be accepted.

SAFETY

The Sub-Contractor will:

- Carry out their own works in a sequence and manner that is acceptable to the Planning Supervisor and the HSE.
- Provide a copy of their current safety policy and for nominating and making available as necessary, the appropriate personnel to attend any site safety meetings.
- Be required to execute their works in compliance with the current Health and Safety and Control of Pollution Acts, etc.
- Provide an operative responsible for first aid and must be on site when the Sub Contractor carries out any works.
- Provide weekly copies of all statutory records
- As a minimum, provide all their operatives with the personal protective equipment appropriate to their task, as a minimum this should include - high visibility long sleeve vest, hard hat, steel toe cap and mid sole boots, gloves, eye protection and enhanced protection when necessary.
- Provide plant operatives that are as a minimum CITB registered and hold valid CSCS card.
- Provide independent safety advisor visits to site, every 4 weeks to carry out a safety audit, and provide a copy of this to the Contractor when audit is complete.

CODES OF PRACTICE ON FIRE PREVENTION ON CONSTRUCTION SITES

- The Sub Contractor must pay particular attention to the Code of Practice for Fire Prevention on Construction Sites, and include for complying with this code of practice and informing the Contractor of the name of their appointed site fire co-ordinator prior to commencing on site, and also where appropriate, submit a fire safety plan to the Contractor's fire safety co-ordinator.

QUALITY CONTROL

The Sub-Contractor will:

- Operate a system of quality control, acceptable to the Contractor and the Sub Contractor will be deemed to have made all due allowance for the implementation of an appropriate procedure.
- Make good and leave to an acceptable level of safety all incomplete and completed work and work areas during and at completion of the works, to the satisfaction of the Contractor.
- Take measures and ensure all materials and workmanship is to be of a good standard and suitable for their intended purpose.
- Take measures and ensure all materials and workmanship complies with good industry recognised practice and conforms to all current statutory regulations.
- Provide all calibration and test certificates relating to setting out and monitoring equipment.
- Prior to completion of the Sub Contract Works, arrange with the Contractor to check finished line and level and tolerances are to be checked and if necessary proven by the Sub Contractor and evidenced to the Contractor for compliance with the Sub Contract. This is a pre-requisite to the Completion of the Sub Contract Works.
- Undertake and provide all test samples as required by the Sub Contract and any specifications referred to or included within the Numbered Documents.

ENVIRONMENTAL /SUSTAINABILITY

The Sub-Contractor will:

- Provide all waste transfer certificates and substantiate that materials have been handled and tipped at appropriate locations in accordance with the most current and appropriate legislation.
- Comply with all requirements of the project site waste management plan.
- Take measures and ensure that all activities comply with the Contractors environmental policies and that no practices interfere or contravene Contractors statutory rights/obligations to comply with Environment Agency standards.

SUB-CONTRACT PROGRAMME

The Sub Contractor will:

- Provide a detailed and resourced programme that will be updated prior to commencing their works. The updated programme should be submitted to the Contractor in good time prior to the commencement of the Sub Contract works, allowing for an assessment to be undertaken and response by the Contractor to be discussed.
- Within the programme submission include a resource schedule for monitoring purposes.
- Show and acknowledge any bank holidays, all public holidays and any additional holiday periods, that could have been known to the Sub Contractor, during the Sub-Contract Works. Any durations dates for commencement and completion provided by the Sub Contractor to the Contractor will have taken into consideration of any bank holidays, all public holidays and other holiday periods.
- Demonstrate and undertake that the progress of the Sub Contract Works will be undertaken regularly and diligently so as not to cause delay the Works and put at risk Completion of the Works.

PROGRESS MEETINGS

The Sub Contractor will:

- Attend and contribute to progress meetings that will be held on a regular basis on site. The Sub Contractor will provide attendance by appropriate personnel at such meetings and issue to the Contractor 24 hours in advance of the meeting a report that will include:
 - updated programme,
 - drop line programme,
 - actual versus planned progress,
 - percentage complete,
 - progress report,
 - short term programme,
 - labour histogram,
- If appropriate provide additional information that may include:
 - Marked up drawings identifying progress to date
 - Quantities complete and remaining

MAKING GOOD DEFECTS

The Sub-Contractor will:

- Remedy defects and complete any making good of defects as work proceeds, so as to not inconvenience or disrupt the Contractor, the Contractors other or the Employer and any significant others including public.
- Remedy defects and complete any making good of defects identified on, during or after handover of the Sub Contract Works so as not to cause disruption or inconvenience to the Employer. The timing of which is to be agreed with the Contractor and Employer.
- Be responsible for all costs of as a consequence of making good defects.