



Whaley Bridge AFC Soccer Pitches Renovation Works

Specification & Form of Contract

PART 1 – JUNIOR PITCH RENOVATION, PITCH 2

Section 1 Contract Preliminaries

Section 2 Specification

Reference: WBAFC_CRT_Part 1 (PLANNING ONLY)

24th May 2023

Hemstock Design Ltd
Sorrento Studio, High Street
Elkesley, DN22 8AJ

T. 07850 744957

E. david@hemstock.design

www.hemstock.design

Job Title:	WHALEY BRIDGE AFC SOCCER PITCHES – PART 1
Job Ref:	WBAFC_CRT_Part 1
Document:	Section 1 Contract Preliminaries Section 2- Specification

Prepared by: D Hemstock	Checked by:
Signed:	Signed:
Date: 25th May 2023	Date:

REVISION RECORD					
Revision	Date	Status	Description	By	Approved

CONTENTS

SECTION 1 – CONTRACT PRELIMINARIES	
A10 PROJECT PARTICULARS	1
A11 TENDER AND CONTRACT DOCUMENTS	
A12 THE SITE	
A13 DESCRIPTION OF THE WORK	
SECTION 2 – SPECIFICATION	6
1.0 DESCRIPTION AND SCOPE OF WORK	
1.1 DESCRIPTION	
1.2 SCOPE OF WORK	
1.3 DRAWINGS	
1.4 MATERIALS	
2.0 DETAILED SPECIFICATION	
PART A – SPORTSFIELD CONSTRUCTION	
PART B – TURF MAINTENANCE	
APPENDIX 1 Topdressing Sand Grading Curve	18
APPENDIX 2 Layout drawings	
DRAWINGS – ATTACHED SEPARATELY	
Drainage and pitch layout plan, Topsoiling Strategy	
BILL OF QUANTITIES – ATTACHED SEPARATELY	
FORM OF TENDER – ATTACHED SEPARATELY	

A10 PROJECT PARTICULARS

110 THE PROJECT

Project Title:	Renovation of the Junior Pitch 2.
Project Details:	Drainage, topsoiling handling, sand-slitting, grassing and renovation works with maintenance period.
Location:	Whaley Bridge AFC, off Park Rd, Whaley Bridge Memorial Park, Whaley Bridge, High Peak, SK23 7DJ.
	Google Earth co-ordinates: 53°19'27.32"N 1°59'21.01"W
	Site Area - Approximately 2.2 hectares; pitches, car-park, pavilion and margin area. Junior Pitch 2 playing and margin area approximately 4,000 sq.m.
Contract Length:	TBA

120 EMPLOYER

Name:	CANAL & RIVER TRUST, CRT
Address:	
Contact:	
Telephone:	
Email:	

130 PRINCIPAL CONTRACTOR (CDM) – N/A

140 CONTRACT ADMINISTRATOR (CA)

Name:	
Address:	
Contact:	
Telephone:	
Email:	

150 CDM COORDINATOR(CDC)

Name:	
Address:	
Contact:	
Telephone:	
Email:	

A11 TENDER AND CONTRACT DOCUMENTS**105 TENDER/CONTRACT DOCUMENTS**

The Tender Documents include the following:

- 1) The Joint Contracts Tribunal Ltd Minor Works Building Contract, 2016 Edition
- 2) Volume 1 - Contract Preliminaries
- 3) Volume 2 - Specification
- 4) Form of Tender
- 5) Bills of Quantities
- 6) Drawings

110 TENDER DRAWINGS

The tender drawings are the same as the Contract Drawings listed in A11/120

120 CONTRACT DRAWINGS

The Contract Drawings are the same as the Tender Drawings. The Schedule of Drawings summarises the drawings to be read in conjunction with this specification and the Bills of Quantities:

Table 1 Schedule of Drawings.

Drawing No.	Title
WBAFC_CRT_18-5-23_Topsoil.dwg	Topsoiling Proposals, May 2023
WBAFC_CRT_18-5-23 Drainage.dwg	Drainage Proposals, May 2023

160 PRECONSTRUCTION INFORMATION

Additional Preconstruction information, where available, is described in Volume 2 Specifications and Appendices.

180 OTHER DOCUMENTS

Drawings and other documents relating to the Contract, as listed below, but not included in the tender documents may be seen by arrangement with the CA. Other documents: -

- **Hemstock Design Ltd Technical Assessment (on request).**
- **Sketch drainage layout, existing main drains (Client)**



***Existing layout, reservoir contractor compound to the north of
Junior Pitch 2, Senior Pitch 1 to the south
Google Earth image 2022***

A12 THE SITE

110 THE SITE WORKS

The Junior Pitch site has been used as a compound area for the reservoir renovation works. Part of the area has been topsoiled and grassed, but this topsoiled area is to be stripped and re-topsoiled as part of the works. An approved sandy loam topsoil is to be imported. Following topsoiling, the pitch area is to be re-drained, grassed, and sand-slit after grass establishment.

120 EXISTING BUILDINGS & FEATURES

There is a large car-park area and pavilion to the south-west of the junior pitch.

140 EXISTING UTILITIES AND SERVICES

The Contractor will be responsible for confirming the presence of and accurately locating any services on site and to mark and protect those found.

160 SITE VISIT, SOILS AND GROUND CONDITIONS

The Contractor is recommended to visit the site to assess ground conditions. To be arranged through the Project Manager/Client.

170 SITE INVESTIGATIONS

No subsurface ground investigations have been carried-out. A topsoil depth survey has been logged by Hemstock Design Ltd.

180 HEALTH AND SAFETY FILE

To be arranged.

200 ACCESS TO THE SITE

The access to the site is via a track at the end of Park Road. This road must be kept clean at all times, the Contractor to have wheel-washing and road cleaning equipment available for the purpose.

210 PARKING & COMPOUND AREA

To be agreed with the Client.

220 USE OF SITE

The site should be used only for carrying out the works and associated essential activities. The Contractor should be aware of public users of the site facilities and footpaths, and take appropriate action to protect these users via fencing, cordoning off, warning signs etc.

230 SURROUNDING LAND/BUILDING USES

MUGA in constant use, soccer pitch adjacent, skatepark, pavilion and public footpaths around the Memorial Park. There is also a residential garage area.

240 HEALTH AND SAFETY HAZARDS

Including public access to the site, steep slopes around the site, presence of services.



The Junior Pitch area as was, with part of the area subsequently re-topsoiled but level of work not suitable for sports use.

A13 DESCRIPTION OF THE WORKS

120 THE WORKS

The scope of works includes the following:

CLIENT RESPONSIBILITY

- Provision of an access & storage area.
- Public safety information to neighbouring properties, local footpath users, signage, stakes/marker ribbon.
- Temporary marking/re-routing of the public footpath as necessary.
- Removal of the playground area.
- Removal of all reservoir contractor fencing, buildings, surfacing materials.

CONTRACTOR RESPONSIBILITY

PART A PITCH RENOVATION

- Install protective measures for park users.
- Identification of the drain outfall(s).
- Removal of the adjacent spectator rail as necessary
- Stripping and removal of all existing topsoil on the Junior Pitch 2 playing area and minimum 3m margin.
- Subsoil loosening of the pitch area.
- Trimming subsoil surface to even gradients
- Install pipe drainage and silt chambers, connect to outfall point.
- (Trench arisings may be used to build-up a corner of the Senior Pitch 1, if approved as suitable by the CA). Otherwise, all spoil to be banded at agreed point(s) around the site, topsoiled and seeded.
- Supply and spread sandy loam topsoil layer, 175mm settled depth.
- Cultivations/surface grading
- Supply and sow approved sports-turf Perennial Ryegrass seed mix.
- Initial rolling/cut.
- Sand top dress following establishment.
- Install sand-slits after full grass establishment, 200mm depth by 50mm width. Timing to be arranged.

PART B MAINTENANCE -12 MONTH PERIOD

- ***Full programme of intended work to be forwarded by the Contractor with the tender submission.***
- Rolling
- Mowing
- Overseeding
- Fertiliser application
- Verti-draining/other decompaction method as agreed.
- Sand topdressing
- Selective herbicide application- provisional
- Pest and disease control – provisional
- Watering of the drain-lines, etc – to be arranged if required.

SECTION 2

SPECIFICATION

1.0 DESCRIPTION AND SCOPE OF WORKS

1.1 Description

Works on Pitch 2 involves the stripping and storage (or spreading elsewhere) of the part topsoiled playing area, subsoil loosening of the pitch subsoil layer following use as a compound area. Sandy loam topsoil is to be spread at a minimum 200mm settled depth to the playing area plus 3m margin, following main and lateral drain trenching and installation.

The topsoil is then to be cultivated and seeded, with sand topdressing and sand-slitting carried out after establishment.

Further sequential topdressing will be required to develop a protective sand layer at the surface and prolong the proper functioning of the sand-slits. The Contractor is to maintain the pitch for a period of 12 months after practical completion. Additional maintenance operations may also be required including further decompaction treatments.

1.2 Scope of Works

PART A Pitch Renovation

- Install protective measures for park users.
- Identification of the drain outfall(s).
- Removal of the adjacent spectator rail as necessary
- Subsoil loosening of the pitch area.
- Trimming subsoil surface to even gradients
- Install pipe drainage and silt chambers, connect to outfall point.
- (Trench arisings may be used to build-up the south-west corner of Senior Pitch 1)
- Supply and spread sandy loam topsoil layer, 200mm settled depth.
- Cultivations/surface grading
- Supply and sow approved sports-turf Perennial Ryegrass seed mix.
- Initial rolling/cut.
- Sand top dress following establishment.
- Install sand-slits after full grass establishment, 200mm depth by 50mm width. Timing to be arranged.

Part B – Pitch Maintenance, 12 months after practical completion. To include:

- Mowing – 32 cuts in total
- Rolling – as required
- Allow for topping-up sand-slits as required.
- Overseeding thin or bare sward areas as required.
- Apply an agreed fertiliser programme.
- Sand top-dress x2 (8mm settled depth per dressing)
- Herbicide application
- Watering of drain lines as required, to be arranged.

1.3 Drawings

The specification should be read in conjunction with the Drawings:

Drawing No.	Title
WBAFC_CRT_18-5-23_Topsoil.dwg	Topsoiling Proposals, May 2023
WBAFC_CRT_18-5-23 Drainage.dwg	Drainage Proposals, May 2023

1.4 Materials

Materials for the works shall be submitted for approval before commencement of the works. The Contractor shall submit a list of the suppliers from whom he proposes to purchase materials necessary for the Works and shall forward full details of the materials together with test certificates confirming the suitability where appropriate and available.

The Contract Administrator reserves the right to inspect the proposed materials at source for the purpose of inspecting and witnessing required testing and sampling or obtaining samples of the materials.

Alternatively, the Contractor shall arrange for delivery of the samples of the materials to the Contract Administrator's office or to a laboratory nominated by the Contract Administrator. Samples shall be taken in accordance with the relevant British Standard where applicable.

Materials subsequently used throughout the works shall be consistent with the samples tested and approved by the Contract Administrator. Where it is necessary for the samples to be submitted to the Contract Administrator the Contractor shall ensure that samples are supplied to the Contract Administrator in sufficient time for them to be satisfactorily tested. No sources of supply shall be changed without the prior approval of the Contract Administrator.

The Contractor shall retain representative reference samples of approved materials on site for the duration of the Works for comparison.

1.5 Preambles

- No work shall be carried out during inclement weather and wet ground conditions, in order to avoid damage to
- Weather and ground conditions: No work to be carried out in wet conditions that might damage the subsoil, topsoil, drainage system and grass surface.
- All drainage and earthworks to be carried out using equipment with full laser-grade control.
- All ancillary equipment to be fitted with low ground pressure tyres.
- The position and layout of the drainage system, as indicated on the attached drawing, may be amended to take account of local factors encountered on site.

- Contractors must be aware: allowance shall be made for topping-up trench lines following settlement occurring during the 12-month period following drainage installation, including as a result of natural soil shrinkage in dry weather.
- Diesel or any other deleterious matter shall be prevented from contaminating the site etc. Any such matter allowed to pollute the site shall be removed together with all affected soil and/or plant material and carted to tip at the Contractor's own expense. Any material necessary to make good the soil formation or plant material will be provided by the Contractor and will be of the type and quality of the original material prior to damage and must be approved by the Contract Administrator.
- Stones are a particular safety hazard and are a key component of Performance Quality Standards. The Contractor should note that the imported materials must not include stones, sharps or any material outside the specified particle size distribution.
- Provisional sums will not be considered as a compliant bid, and the specification must be achieved for the price stated by the Contractor in the tender return documents.
- It is the Contractor's responsibility to liaise with the Client site team and/or to conduct searches to determine the presence of any services and utilities running through, over and/or around the working area, and to conduct site investigations to determine the location of service or utilities. All this should be before the commencement of any work on site.
- Prior to start on site, the Contractor shall prepare a photographic Schedule of Condition and agree same with the Contract Administrator.

2.0 DETAILED SPECIFICATION

PART A – EARTHWORKS & DRAINAGE

A1 Preliminaries & Setting-Out

- 1) The Contractor shall set out the working area in accordance with the construction drawings. Confirm any queries or discrepancies with the Contract Administrator. Include the marking-out of all affected services, haul routes and protected zones.
- 2) The Contractor shall allow for all necessary fencing and signage required to secure the working site for the public who will continue to use adjacent facilities (including a RoW along the eastern edge of the site), the set-up of agreed access arrangements.
- 3) The Contractor shall allow for compliance with all relevant Health and Safety regulations including the Construction Design and Management regulations (CDM) 2015. This shall include performing the role of Principal Contractor.
- 4) The Contractor shall set-up a compound area as agreed with the CA and shall allow for the provision of all welfare facilities for staff.
- 5) The Contractor shall allow for the mobilisation and demobilisation of all necessary plant to complete the project.
- 6) The Contractor shall allow for compliance with all Conditions of Contract, including all insurances and site management costs.
- 7) The Contractor shall provide test results for the permeable fill, blinding and rootzone PSD (Particle Size Distribution), and Hydraulic Conductivity (Ksat).
- 8) Allow for the removal and safe storage of the spectator rail, and replacement following the completion of the works. Any damage sockets to be repaired at the Contractors expense.

A2 Earthworks

A2.1 Existing Surface Preparation

NB: By others – The compound buildings, fixtures & fittings and car-park stone material is to be removed by the reservoir construction company, Kier, leaving the original subsoil surface.

The temporary play area is also to be removed before work commences.

- 1) The Sportsfield Contractor is to strip and cart to an agreed point on site the full depth of the existing topsoil cover, which is over approximately 2/3rds of the pitch area.

This topsoil is contaminated with stone, concrete and other debris, and is to be used only for agreed secondary areas to the playing surfaces.
- 2) The Sportsfield Contractor is to re-level the subsoil to an even gradient of approximately:
 - 1 in 200 from west down to east
 - 1 in 300 north down to south cross-fall
- 3) Following the levelling work, subsoil-loosen the subsoil to a depth of 300mm approximately.
- 4) Remove stones and other debris from the pitch area to an agreed tip on site.

A2.2 Topsoil Import & Placement

- 1) Following the levelling of the pitch subsoil area, trim the subsoil surface to a general level of +/- 25mm over a 2m straight edge, and place a minimum settled depth of 200mm of imported topsoil back over the pitch and a 2m surround, firming but not compacting the soil in place.
- 2) Imported topsoil must conform to 'BS3882:2015 British Standard Topsoil' and be a sandy-loam in texture. Samples of the proposed topsoil must be offered for inspection and approval prior to the start of work.
- 3) Ensure that the laid soil marries-in accurately with the surrounding levels.

A3 Pipe Drainage System

3.1 Drain Trenching

1. Install pipe drainage system with 80 mm lateral drains at 5m centres as shown on the accompanying drawings, using approved trenching equipment. All drain runs shall be tested for line and gradient before backfilling.
2. Trenches shall be excavated using a continuous chain trencher/whizz wheel wherever possible, cutting a clean trench with smooth sidewalls and trench bed. Spoil shall be removed directly into a trailer or dumper via an elevator and carted away as work proceeds. Trenches shall not deviate from the line of the drain by more than 75 mm at any point. Drain trenches shall be cut to a **minimum width of 50mm plus the pipe width.**
3. The drains shall be installed at the invert depths shown on the drawings or to the required gradients of minimum 1-in-300. Where appropriate the drains should follow the natural fall of

the ground with no abrupt changes in the gradient except where a design gradient is specified.

4. Loose soil/stone falling into the trenches shall be removed prior to laying pipes.
5. Cart spoil to an agreed point on site. In this case, the spoil may be used for minor levelling to the corners of the adjacent main pitch.

A3.2 Pipe Drainage Materials

1. Flexible perforated uPVC plastic pipes shall conform to BS 4962. Pipes shall not be installed in temperatures less than those specified by the pipe manufacturer.
2. Where specified twin walled pipes shall be high density polyethylene pipes manufactured by Polypipe or an equivalent approved product conforming to industry standards. The pipes shall have a smooth internal wall and corrugated outer wall and shall be perforated except where otherwise specified. Technical specifications of all pipes and junctions to be installed shall be provided to the Contract Administrator prior to commencing work.
3. All joints and junctions in the drains and connections between the drains shall be made using purpose made fittings of appropriate size to form closely fitting joints between the pipes with no gaps.
4. The aggregate used for backfilling the trenches over the pipe drains shall be a clean, hard 2 - 10 mm gauge material, with majority of particles in 4-8mm range resistant to abrasion or breakdown. The calcium carbonate content shall not exceed 5% except where approved by the Contract Administrator.
5. The aggregate shall comprise of particles that are angular, sub angular or sub -rounded in shape. The aggregate shall not contain particles that are flaky, laminar or platy in shape, susceptible to breakdown during working by machinery.
6. Backfill with the stone to 200mm of the surface, finishing to 25mm proud of the surface with the sand-slit grade of coarse sand.
7. Backfill 150mm main pipe trenches with selected, settled fill to 200mm of the surface, finishing with the imported sandy-loam topsoil.

A3.3 Pipe Installation and Backfilling

1. Pipe laying and backfilling shall proceed as excavation of the trenches progresses, ensuring that pipes are laid on a clean firm bed, located centrally in the trench. Backfilling shall be carried out without disturbing or damaging pipe drains or junctions. Where any haulage routes cross drains previously installed protective boards should be placed over the drain trenches to prevent damage or contamination with subsoil material. Drain trenches that are subject to traffic shall be made good afterwards to ensure that the drains comply with the specification.
2. Catchwater drain trenches shall be backfilled with the approved aggregate to minimum 25 mm below the adjoining finished ground surface.
3. Backfilling shall be carried out as drain installation progresses. Trenches shall not be left open overnight.

4. Existing drains that are cut through or damaged must be accurately recorded on a drawing forwarded to the Contract Administrator on completion of the works. Any such drains shall be connected to the new drainage system using purpose made junctions with additional pipe sleeving to form a satisfactory connection between the old and new drains, except where an alternative method is agreed with the Contract Administrator.

A3.4 Pipe connections, junctions and fittings

1. All joints in the line of the drains and junctions between pipes shall be made using purpose made connectors.
2. Purpose made end caps shall be fitted and secured to the upper end of all open pipes to prevent ingress of soil or aggregate materials.

A3.5 Chambers

1. Excavate to required depth and construct chambers at locations shown on the accompanying drawings. The minimum inside measurements shall be 900 mm x 600 mm and to a depth of 300 mm below the invert of the outlet pipe except where otherwise specified.
2. Allowance shall be made for building in rigid inlet and outlet pipes and pointing and sealing around all units and pipes to ensure efficient waterproofing. Corrugated plastic pipes shall be sleeved in rigid pipe with a minimum length of 1.5 m fixed securely into the chamber wall.
3. Following construction of the chamber, the surrounding ground shall be reinstated by placing and consolidating subsoil in 150 mm thick layers. The inlet and outlet pipes shall be maintained at the required gradient and invert levels during backfilling. Topsoil shall be replaced to the thickness specified in the Drawings and S200.
4. The chambers shall be fitted with Grade B cast iron covers and frames to BS 497. The frames shall be bedded on and haunched in cement mortar. The covers shall be set 25 mm below the adjacent ground level.
5. The access track section of trenching shall be reinstated after drain installation by compacting selected fill and finishing with a minimum 250mm of DoT Type 1 road material.

A4 Cultivations & Seeding

1. Cultivate the full depth of the topsoil to relieve compaction using chisel-plough, power harrows or other approved equipment. The cultivations shall be carried out at a time when the topsoil is dry and in a suitable condition to produce a satisfactory tilth.
2. Stone rake with appropriate equipment to remove stone and debris through the upper topsoil profile, using a BLEC rotary stone rake or other equivalent equipment.
3. During seedbed preparation all surplus vegetable matter, rubbish and surface stones having one dimension of 12 mm or more shall be collected and removed off site to a tip provided by the Sports Pitch Contractor.
4. Fine-grade the topsoil surface to a tolerance of +/-15mm over a 2-metre straight-edge.

5. During the final seedbed preparation supply and uniformly apply with an approved distributor 400 kg/ha of granular pre-seeding fertiliser with analysis of 15:15:15 or an equivalent approved product and lightly work into the seedbed.
6. Provide a proprietary seeds mixture for a hard-wearing sports surface for sown at the rate of 350 kg/ha. The seed mixture shall be made up of cultivars listed in the current (2023) edition of Turfgrass Seed published by the British Society of Plant Breeders (BSPB). The grass seed mixture shall contain a minimum of 80% Perennial Ryegrass with a minimum rating of 6.0 in Table S1 of the Turfgrass Seed 2023.
7. Seeding shall be carried out during suitable ground and weather conditions. The total quantity of seed shall be divided and sown evenly with an approved distributor in three directions to provide uniform distribution at a total sowing rate of 350 kg/ha.
8. The seed shall be sown with a self-propelled dimple or slit seeder as agreed with Contract Administrator. Seeding depth may be changed by the Contract Administrator depending on the weather conditions.
9. Lightly chain harrow, heavy-duty drag mat or rake seed into the surface.
10. The contractor is to ensure that the pitch is adequately watered through germination and grow-in.
11. Lightly roll the surface at an appropriate time as agreed with the CA.

A5 Sand amelioration

1. On establishment, supply and spread and approved fine to medium grade topdressing sand to the pitch surface and 1-metre margin using an approved bulk topdressing unit such as a bulk top-dresser or other approved machine. The sand shall comply with the central recommended range on the grading curve in Appendix 1.
2. The sand shall be applied to form a uniform, minimum 24 mm firmed layer over the whole surface of the natural turf areas in **three dressings**, of 8mm/dressing allowing the grass to grow through between dressings. Care must be taken not to cause compaction and ruts in the underlying soil and low ground pressure tyres must be used on equipment. Rake-out evenly any piles of sand forming at the start and finish of runs.
3. Depth assessments must be taken by the Contractor at regular intervals to ensure sand is a uniform depth.
4. Allow for a very light raking over the sanded surface to help the grass through the sand layer, timing to be agreed with the CA.

A6 Sand-slitting

1. On adequate establishment of the grass, so as not to damage the turf surface, install KORO Topdrain type of sand-slits of 50mm width, 200mm depth at 0.5m spacing, connecting with the lateral drains at right angles.
2. Slits to be filled proud of the surface with the coarse grade sand used for topping drain runs, an approved coarse sand/fine grit with a particle size range as shown in the Table below.
3. Any spillage of the aggregate shall be entirely cleaned up as it occurs to the satisfaction of the Contractors Agent.
4. The works should be carried out with the minimum amount of compaction or disturbance of the pitch surface.

A7 Reinstatement

1. Reinstatement the area of the compound and haul road following completion of the works to restore a smooth even surface to the satisfaction of the Contract Administrator.
2. Reinstall the sections of spectator rail to Pitch 1.
3. Repair uneven areas on the pitch surface by carrying out aeration work, top dressing with sand and over-seeding as required.
4. Cultivate and seed the spoil mound if formed (dependent on the programme for the main pitch). Prepare seed beds by use of a BLEC rotary stone rake or other approved means to create a suitable seed bed, free from debris/stone in excess of 50mm. Apply a pre-seeding fertiliser as specified under A6-3. Seed areas at rate of 20g/m² with a fescue-based amenity grass mixture without ryegrass, using a dimple seeding unit or other approved means. Allow for light rolling on completion.

PROVISIONAL

PART B – TURF MAINTENANCE

B Detailed Specification

The Contractor shall be responsible for specific operations as detailed below and for correcting any defects (including reseeding weak areas and topping up/seeding drain lines) up to 1 year after practical completion.

B1 Mowing

The grass shall be cut on a minimum 26 occasions through the 12-month maintenance period. Maintain the mowing level at 25-30mm. The grass should not be allowed to grow above 40mm. Remove no more foliage than one third the length of sward during any one mowing treatment. Continue to mow on weekly basis through growing season.

Accumulated clippings shall be removed immediately following mowing to prevent smothering of the grass and deposited in an agreed position on site.

B2 Worm control

Apply an approved lumbricide (for control of casting worms) in accordance with the manufacturer's instructions and COSHH guidelines.

Provisional

B3 Fertiliser

Supply and evenly spread fertiliser, in accordance with the following provisional details.

Alternative products may be applied subject to prior approval of the Contract Administrator. The Contractor should note that the application rates may be varied subject to grass growth, conditions and the prevailing weather conditions.

- a) Granular fertiliser with analysis 9:6:6 at a rate of 400 kg/ha.

B4 Over-seeding

The Contractor shall allow for over-seeding weak areas with the approved seeds mixture at a rate of 200 kg/ha (20g/m²).

Provisional

B5 Topping-up drain lines

Top up sunken drain lines as required to a uniform level with sand/compost mixture as approved and seed.

Provisional

B 6 Sand Top Dressing

Supply approved medium/fine sand to the pitch for spreading at a total rate equivalent to 125 tonnes per hectare. The sand shall have a grading curve which lies within the central recommended portion of the diagram at Appendix 1. The lime content of the sand shall be no more than 5%.

Spread the sand evenly over the whole of the outfield with an approved spreader in a single application at a rate of 125 tonnes per hectare. Repeat the operation while growth is still well established.

Provisional

B7 Selective Herbicide

The Contractor shall allow for supplying and applying a selective herbicide when grass is growing well in accordance with the manufacturer's instructions and all current legislation.

Provisional

B8 Decompaction

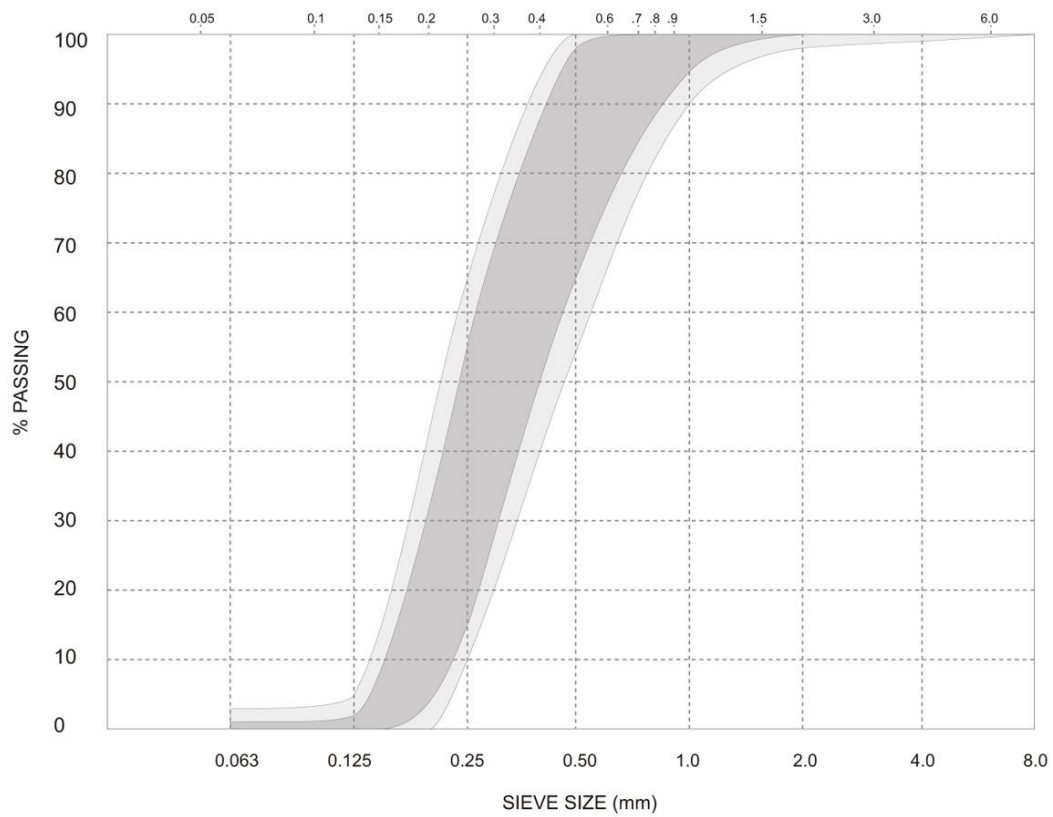
The contractor shall use a vertidrain or other approved decompaction method on the pitch. If vertidrain, use 250x25mm tines at 100mm centres to alleviate compaction when ground conditions are appropriate working parallel with the sand-slit direction.

B9 Irrigation

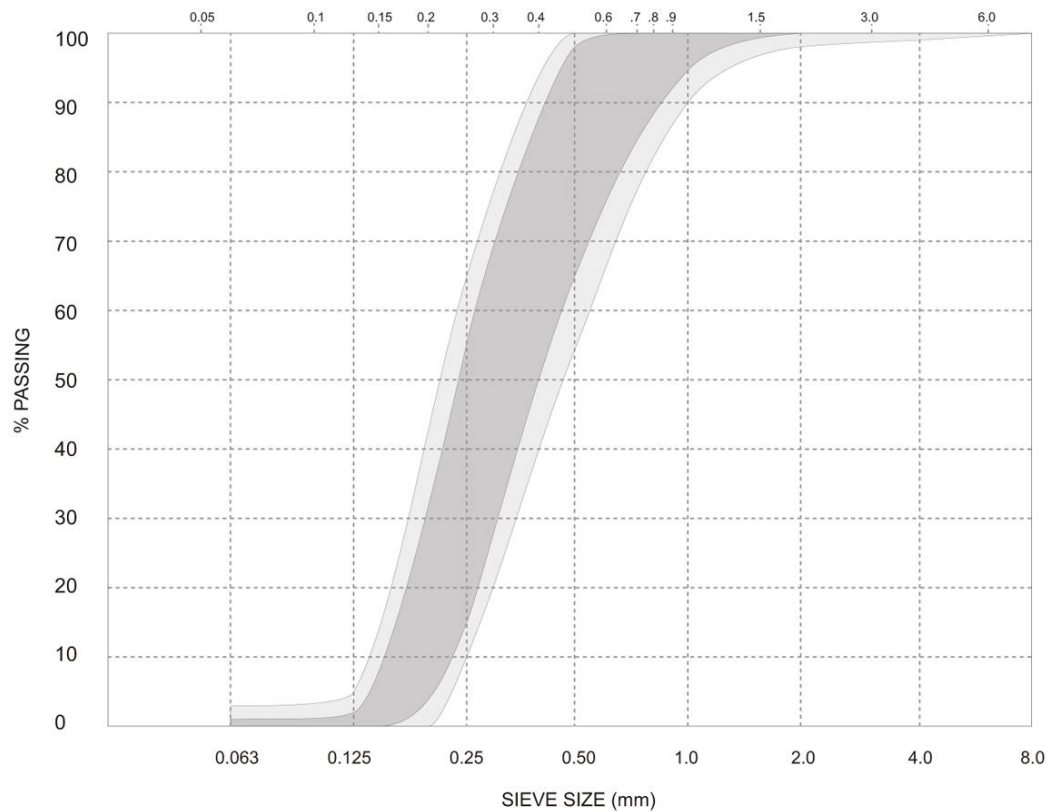
(WATERING - TO BE ARRANGED WITH WBAFC/CLIENT as required)

APPENDIX 1- GRADING CURVES

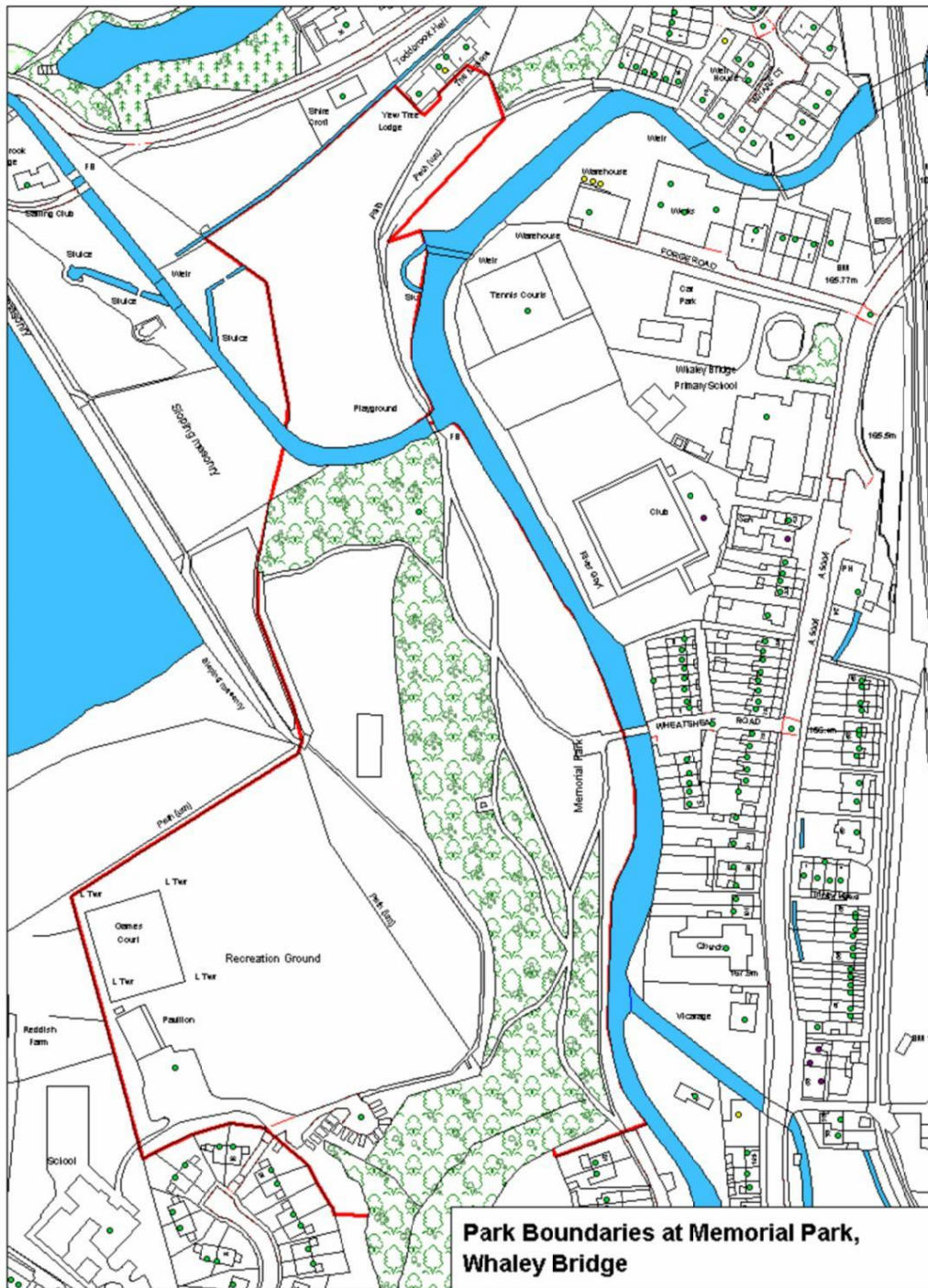
Grading curve sand for soil modification and top dressing of winter games pitches



Grading curve sand for soil modification and top dressing of winter games pitches



APPENDIX 2 - Site layout



Reproduced from Ordnance Survey digital map data
© Crown copyright 2000. All rights reserved. High Peak Borough Council License No. 10018411

Scale: 1:2000





