



MURRAYFIELD WANDERERS RUGBY FOOTBALL CLUB

**RECONSTRUCTION OF NATURAL GRASS PITCHES
AT ROSEBURN PARK, MURRAYFIELD, EDINBURGH**

SECTION C: BILL OF QUANTITIES

EMPLOYER

MURRAYFIELD WANDERERS RFC

CONSULTANT

**PROFESSIONAL SPORTSTURF DESIGN
6 CROSSHILL DRIVE
RUTHERGLEN
GLASGOW
G73 3QU**

May 2020

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ROSEBURN PARK, MURRAYFIELD, EDINBURGH RECONSTRUCTION OF NATURAL GRASS PITCHES

PREAMBLE TO BILL OF QUANTITIES

- (a) Attention is drawn to the Conditions of Contract, The Specification and the drawings. These documents are to be read in conjunction with the Bill of Quantities.
- (b) General Directions and Descriptions of Work and Material are given in the Specification and not necessarily repeated in the Bills of Quantities. The Specification is to be referred to for the true intent of the Bill. The Contractor is deemed to have included for carrying out each item as per detailed specification.
- (c) A price or rate is to be entered against each item in the Bill of Quantities whether quantities are stated or not. Where the rate or price is "Nil" or "Included" this shall be indicated in the Bill of Quantities.
- (d) The Works as executed shall be measured for payment in accordance with the method adopted in the Bill of Quantities and under the item as therein set forth.
- (e) All prices to be taken to cover all necessary shuttering, protection etc required to complete the Works.
- (f) No dayworks shall be paid unless authorised by the Contract Administrator (C.A.) prior to the work being carried out.
- (g) Provisional Sums to be paid in whole or part at the absolute discretion of the C.A.
- (h) The Contract shall be subject to re-measurement on completion of Works.
- (i) Items within the Bill of Quantities which are left unpriced will be deemed to have been allowed for in other priced items.
- J) In this contract, "**ROCK**" shall be defined as material, found in its original position, which would normally require the use of blasting or specialist percussion breaking equipment for its loosening prior to removal.

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No.	Item Description	Unit	Qty	Rate	Total
	<p><u>GENERAL ITEMS</u></p>				
A	<p>Contractor Preliminaries: Insurance of Works, Third Party Insurance, etc.</p>	Sum			
B	<p><u>Method Related Charges</u> (NOTE: to be completed by the Tenderer - the Tenderer shall indicated whether the rate is 'Time Related' of 'Fixed Sum')</p>				
C	<p><u>Other Contractual Requirements</u> (if required - to be completed by the Tenderer)</p>				
TO SUMMARY					£

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No.	Item Description	Unit	Qty	Rate	Total
<u>EARTHWORKS & PITCH CONSTRUCTION</u>					
<u>General Earthworks</u>					
A	Spray area with glyphosate herbicide, minimum 2 weeks prior to commencing earthworks.	m ²	15,660		
B	Cultivate topsoil to full depth, 225mm.	m ²	15,660		
C	Trim & regulate cultivated surface to required levels and gradients.	m ²	15,660		
<u>Pitch Construction</u>					
D	Sub-soil cultivate to an overall depth of 450 mm at 900 mm centres using a finned subsoiler.	m ²	15,660		
E	Apply basal fertiliser, as specified.	m ²	15,660		
F	Cultivate topsoil, 200mm deep	m ²	15,660		
G	Trimming of filled surfaces, cultivated topsoil.	m ²	15,660		
H	Filling to pitch area with imported medium/fine sand to a depth of 50mm and cultivated into top 50 mm of topsoil, as specified	m ²	14,416		
I	Trimming of filled surface, sand ameliorated topsoil.	m ²	14,416		
J	Grass seeding to pitch area, with approved seed mix.	m ²	15,660		
<u>Establishment of Sward</u>					
K	Cutting of sward.	Nr	34		
L	Rolling of sward.	Nr	1		
M	Treat with Granular Fertiliser.	Nr	5		
N	Verti drain entire area, using approved machinery.	Nr	2		
O	Top dressing of Pitch with approved medium/fine sand; 3 No. applications @ 8 kg / m ²	m ²	14,416		
TO SUMMARY					£

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No.	Item Description	Unit	Qty	Rate	Total
	<u>DRAINAGE</u>				
	<u>All rates to include for excavation, disposal, levelling, pipe laying, bedding and backfill material all as specified</u>				
	<u>Lateral Drains</u>				
A	Flexible uPVC land drainage pipes, nominal bore 80mm, in trenches, depth not exceeding 1.5 m.	m	2,332		
	<u>Collector/Soakaway Drain</u>				
B	Flexible uPVC land drainage pipes, nominal bore 200mm, in trenches, depth 1.5-2 m.	m	144		
	<u>Junctions</u>				
C	uPVC junctions and branches for flexible perforated land drainage pipes, 100 mm dia branch off 200 mm dia collector pipe.	Nr	22		
	<u>Chambers</u>				
D	Silt traps, precast concrete Type A, depth not exceeding 1.5 m.	Nr	1		
E	Drainage access chambers, HDPE as detailed, depth not exceeding 1.5 m.	Nr	2		
	<u>Gravel Slit Drainage</u>				
F	Excavate for and install system of sand/gravel slits over area of grass pitches at 1 metre centres. Slits to be 300 mm deep and 60 mm wide and backfilled as specified. Rate shall include for overseeding and re-establishment of sward over the slits.	m	14,416		
	<u>ALTERNATIVE DESIGN</u>				
G	Flexible uPVC land drainage pipes, nominal bore 60mm, in trenches, depth not exceeding 1.5 m.	m	3,604		Rate Only
H	Install system of sand bands at 500mm centres over area of grass pitches.	m ²	14,416		Rate Only
TO SUMMARY				£	

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No.	Item Description	Unit	Qty	Rate	Total
	<p><u>SUMMARY</u></p> <p>General Items</p> <p>Earthworks & Pitch Construction</p> <p>Drainage</p>				
TO GENERAL SUMMARY					£