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# SPORT ENGLAND TYPE 1 MUGA TEST REPORT

<b>Facility Reference</b>	Tweedbank Play Park
<b>Facility Address:</b>	Cotgreen Road Tweedbank TD1 1RR 0
<b>Report Number:</b>	17092 / 2621s
<b>Report Status:</b>	FINAL
<b>Issue Date:</b>	17/05/2016
<b>Client:</b>	Scottish Borders Council Council Headquarters Newtown St Boswells TD6 0SA

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Laboratory Details



<b>Name</b>	Sports Labs Ltd
<b>Address</b>	12 Nasmyth Court, Livingston, Scotland
<b>Phone</b>	0845 602 6354
<b>Email</b>	<a href="mailto:info@sportslabs.co.uk">info@sportslabs.co.uk</a>

<b>Laboratory Director</b>	Richard Nixon
<b>Field Testing Manager</b>	Keith Macpherson
<b>Engineer on site</b>	Neale Lees
<b>Additional Engineers (if any)</b>	N/A

<b>Prepared by</b>	
<b>Field Testing Manager</b>	
<b>Signed</b>	
<b>Date</b>	17/05/2016

<b>Checked By</b>	
<b>Laboratory Director</b>	
<b>Signed</b>	
<b>Date</b>	17/05/2016



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## Test Programme

<b>Player/Surface Interaction</b>	<b>Slip Resistance</b>	ITF CS/02/01: 1997
<b>Construction Requirements</b>	<b>Surface Regularity</b>	BS EN 13036-7: 2003
	<b>Permeability</b>	BS EN 12616: 2013
	<b>Slope*</b>	Using Surveyors Level
	<b>Dimensions*</b>	Laser Distancemeter

\*Not all tests carried out are within our scope of ISO 17025 Accreditation.

## Test Summary

<b>Summary of testing</b>	<b>Pass/Fail</b>	<b>FAIL</b>
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Test Conditions

<b>Substrate Type:</b>	Engineered Base	
<b>Surface Type:</b>	MUGA	
<b>Surface Name</b>	Tarmac	
<b>Weather Conditions:</b>	Sunny	
<b>Surface Condition</b>	Dry	
	<b>AM</b>	<b>PM</b>
<b>Ambient Temperature (°C)</b>	NA	9
	<b>AM</b>	<b>PM</b>
<b>Surface Temperature (°C)</b>	NA	7
	<b>AM</b>	<b>PM</b>
<b>Humidity (% RH)</b>	NA	53
	<b>AM</b>	<b>PM</b>
<b>Wind Speed (m/s)</b>	NA	1.3



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Test Results

			Positions							
Player/Surface Interaction	Dry Slip Resistance (PTV)	≥60 PTV	1	2	3	White	Yellow	Red	None	
			100	92	86	67	87			
	Wet Slip Resistance (PTV)	≥60 PTV	1	2	3	Yellow	Red	Red	None	
58	56	62	61	61						
Deviations ≥ ± 8mm										
Construction Requirements	Surface Regularity- Total Playing Area (See diagram Page 7)	8 Permitted	0							
	Surface Regularity- Principal Playing Area (See diagram Page 7)	4 Permitted	0							
				Positions						
Permeability (mm/hr)	>100mm/hr	1			2			3		
		810	777			802				
Dimensions (m)	Parameter		Distance (m)							
	Length		25.9							
	Width		12.4							

Values in RED denote failure of client's specified limits




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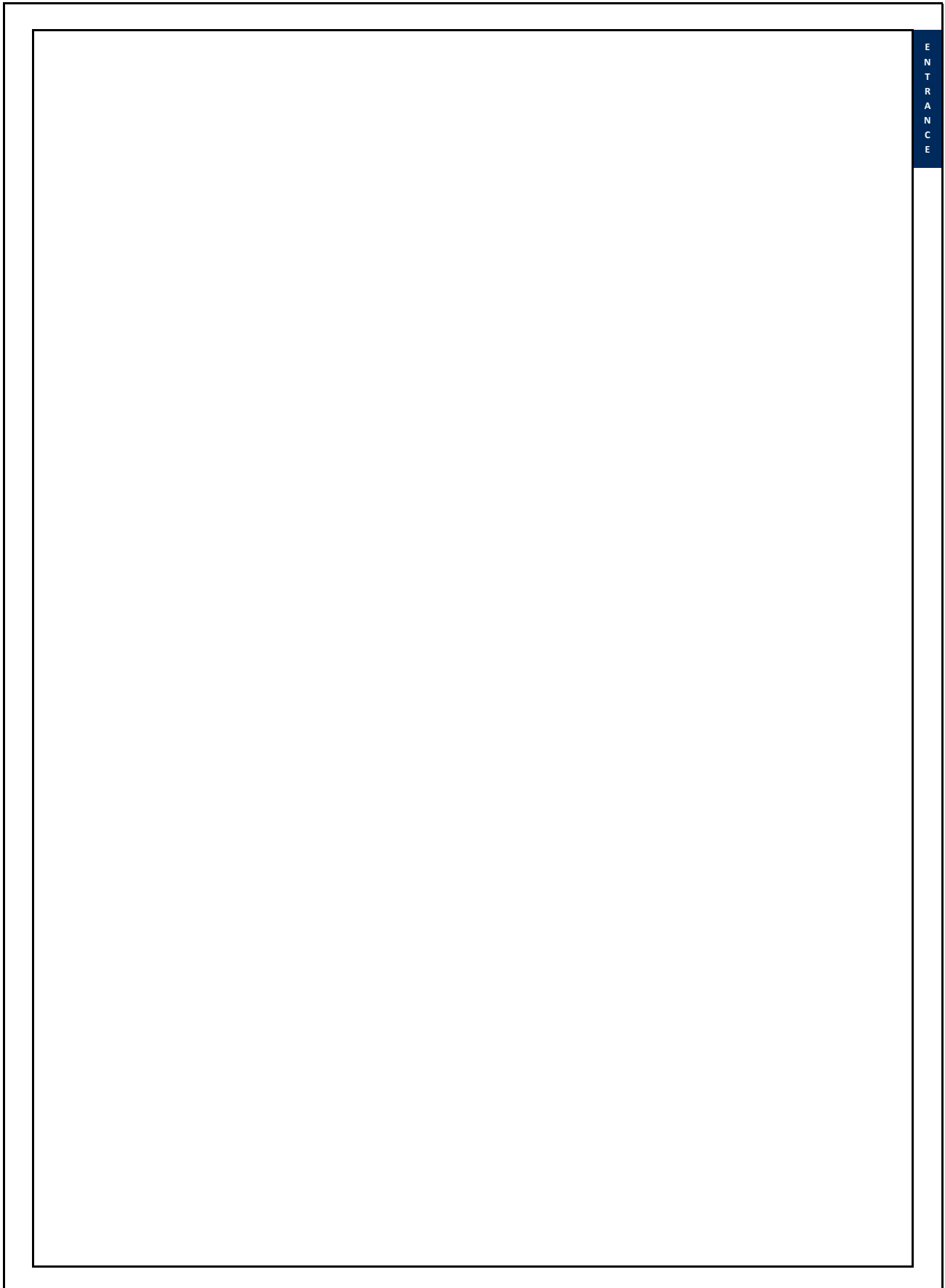


## Plan showing surface irregularities > ± 8mm

 Irregularities ≥15mm

 Irregularities ≥12 - ≤14mm

 Irregularities ≥9 - ≤11mm



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Visual Inspection

		Property	Condition
Visual Inspection	Aesthetics	Damage	No Visible damage
		Colour	None present
		Line Markings	Line markings faded, requires repainting.
		Fencing	Good condition
		Goals, Equipment	Goals frames in good condition. Painted chipped paint, looks poor aesthetically. Basketball nets missing and backboards in poor condition
		Housekeeping (Litter etc)	Chewing gum on surface, some debris in playing area



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## Line Markings

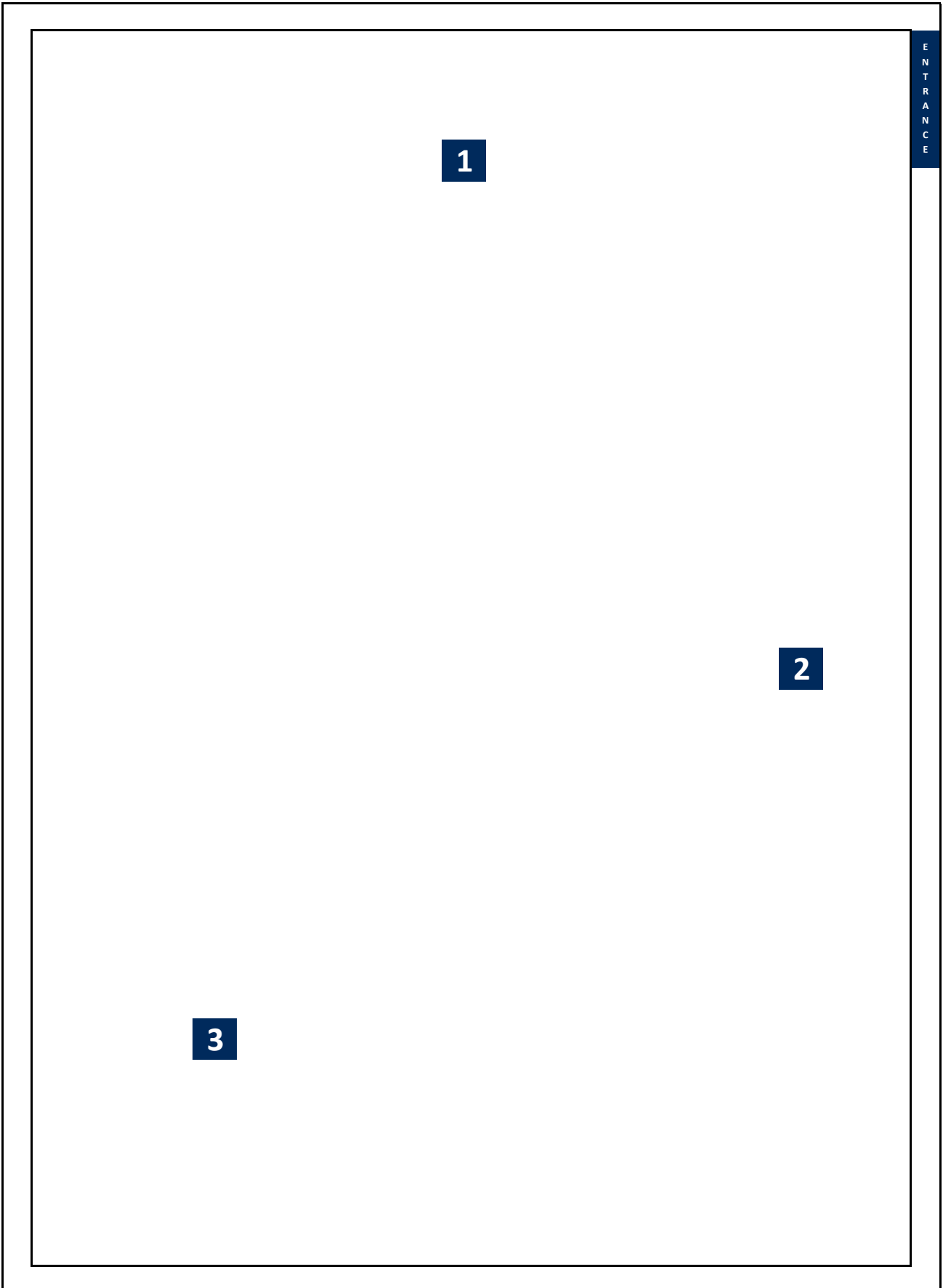
	Sport	Line Colour	Number Present
Line Markings	Basketball	Yellow	1
	Netball	Not Present	1
	Badminton	Not Present	Not Present
	Tennis	Not Present	Not Present
	5-a -Side Football	White	1
	Hockey	Not Present	Not Present
	Other	Red	1



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## Plan showing Test Locations



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## Site Photographs - Overview



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## Site Photographs - Example Defects (If Any)



Basketball nets missing



Paint damage on posts



Line markings faded



Paint damage on posts

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## Discussion And Conclusions

The results obtained from testing showed that the surface failed to comply with the contract specification. Details of the failures have been given below along with comments.

The surface specifically failed to meet the requirements of:

**Wet Slip Resistance:** In total 2 areas were below the required limit for slip resistance.

**END OF REPORT**