



SPORT ENGLAND TYPE 1 MUGA TEST REPORT

Facility Reference	Lauder Primary School
Facility Address:	Allanbank Gardens Lauder Berwickshire TD2 6AB
Report Number:	17092 / 2615s
Report Status:	FINAL
Issue Date:	17/05/2016
Client:	Scottish Borders Council Council Headquarters Newtown St Boswells TD6 0SA

Sport England Type 1 MUGA Test Report





Laboratory Details



Name	Sports Labs Ltd
Address	12 Nasmyth Court, Livingston, Scotland
Phone	0845 602 6354
Email	info@sportslabs.co.uk

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

Prepared by	
Field Testing Manager	
Signed	
Date	17/05/2016

Checked By	
Laboratory Director	
Signed	
Date	17/05/2016



Sport England Type 1 MUGA Test Report



Test Programme

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

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

Test Summary

Summary of testing	Pass/Fail	FAIL
--------------------	-----------	-------------

Sport England Type 1 MUGA Test Report



Test Conditions

Substrate Type:	Engineered base	
Surface Type:	MUGA	
Surface Name	Tarmac	
Weather Conditions:	Sunny	
Surface Condition	Dry	
	AM	PM
Ambient Temperature (°C)	N/A	20
	AM	PM
Surface Temperature (°C)	N/A	20
	AM	PM
Humidity (% RH)	N/A	58
	AM	PM
Wind Speed (m/s)	N/A	0.3



Sport England Type 1 MUGA Test Report



Test Results

			Positions							
			1	2	3	White	Yellow	Red	None	
Player/Surface Interaction	Dry Slip Resistance (PTV)	≥60 PTV	93	96	93	86	76	86		
	Wet Slip Resistance (PTV)	≥60 PTV	61	57	67	66	68	69		
			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	5							
				Positions						
				1	2	3				
	Permeability (mm/hr)	>100mm/hr	285	301	292					
	Dimensions (m)	Parameter		Distance (m)						
		Length	35.7							
		Width	17.5							

Values in RED denote failure of client's specified limits

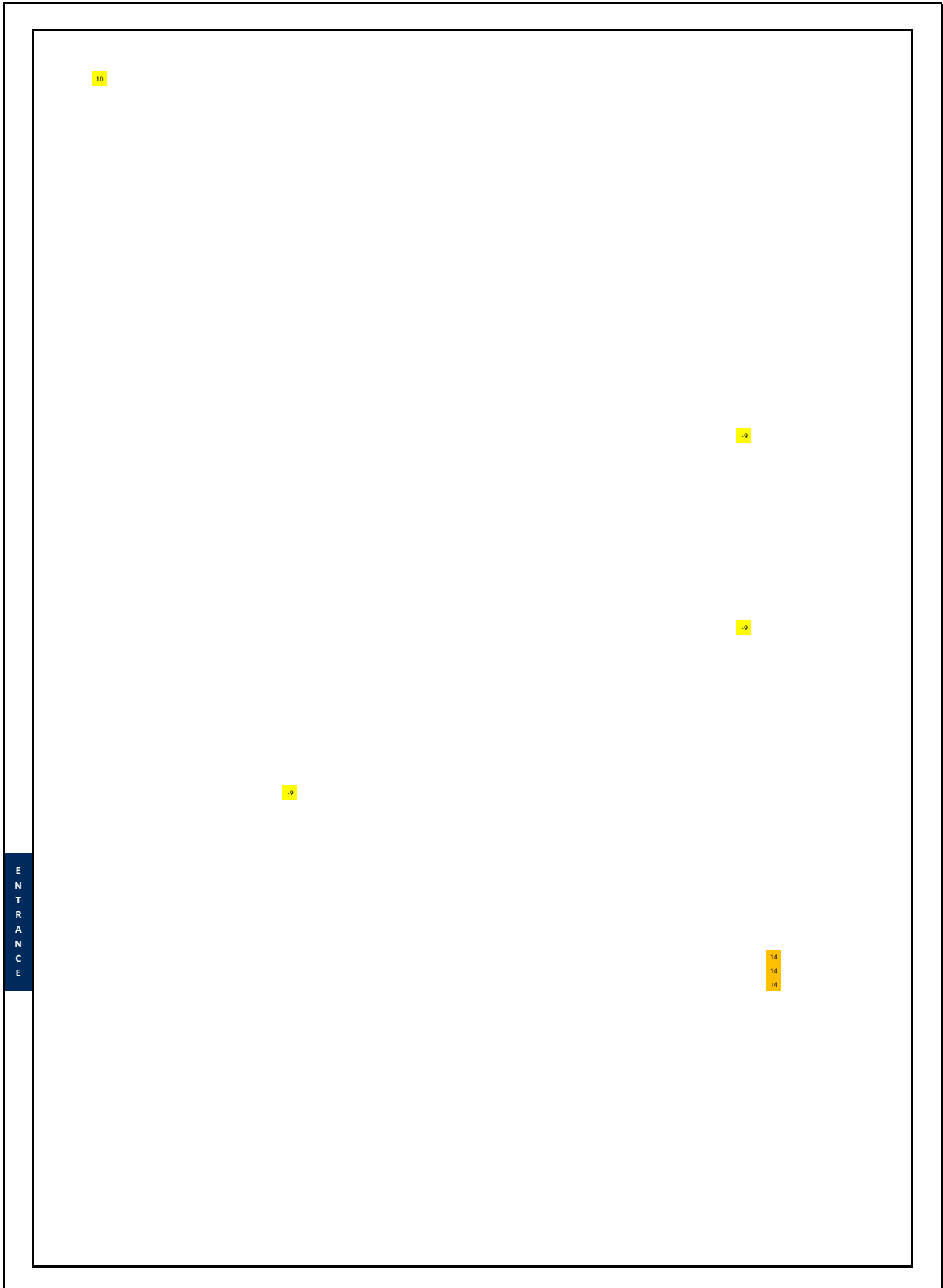


Sport England Type 1 MUGA Test Report



Plan showing surface irregularities > ± 8mm

Irregularities ≥15mm **Irregularities ≥12 - ≤14mm** **Irregularities ≥9 - ≤11mm**



Sport England Type 1 MUGA Test Report



Visual Inspection

		Property	Condition
Visual Inspection	Aesthetics	Damage	No damage visible
		Colour	None present
		Line Markings	Line markings are showing signs of cracking and should be monitored
		Fencing	Fencing is in good condition
		Goals, Equipment	Equipment in good condition. Goals in good condition and no damage visible.
		Housekeeping (Litter etc)	Some debris and litter around edges



Sport England Type 1 MUGA Test Report



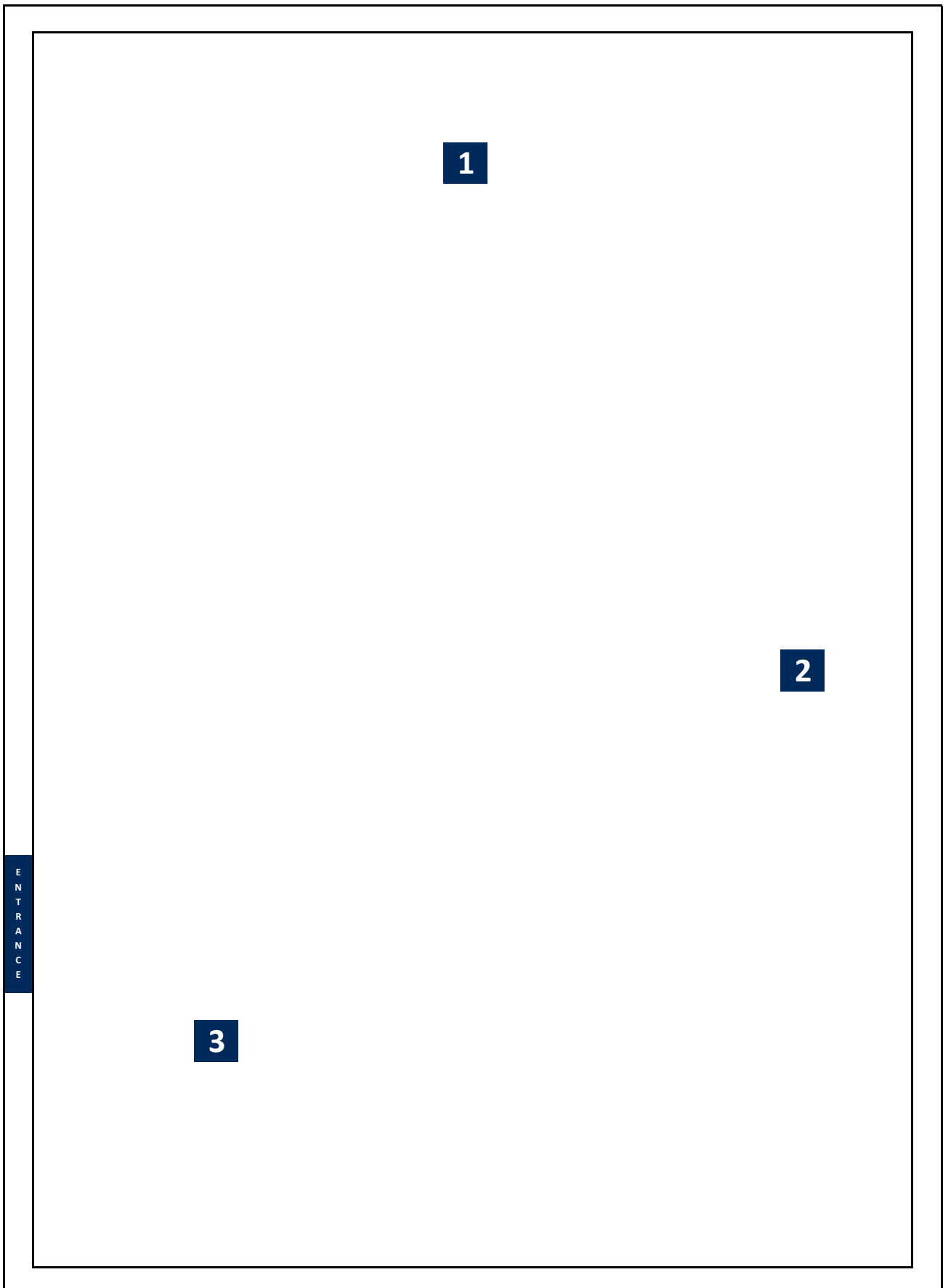
Line Markings

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

Sport England Type 1 MUGA Test Report



Plan showing Test Locations



Sport England Type 1 MUGA Test Report



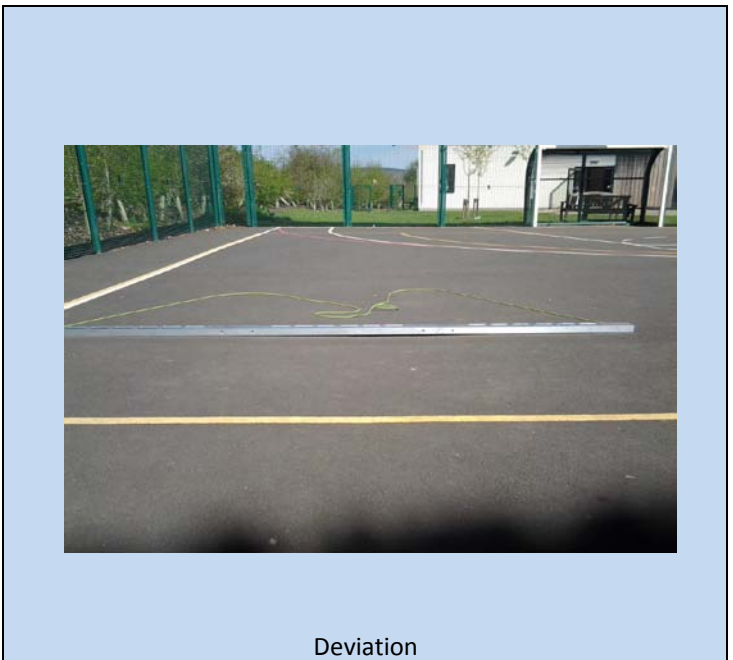
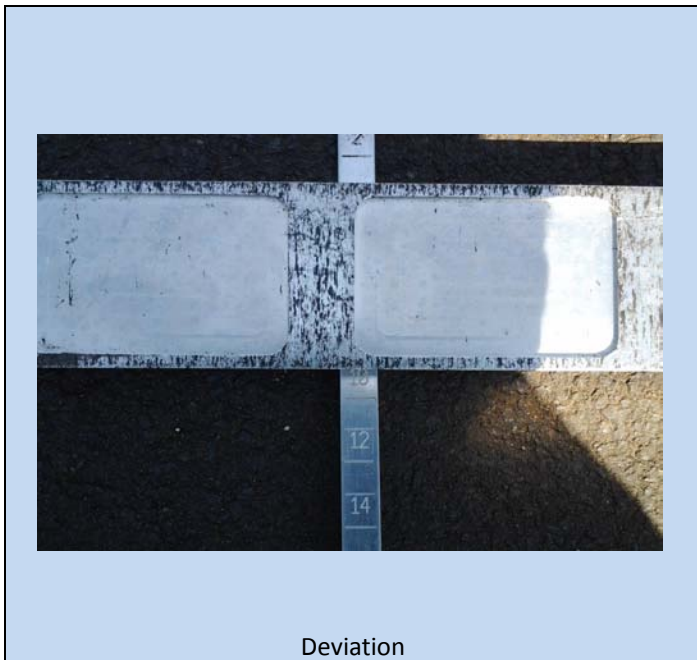
Site Photographs - Overview



Sport England Type 1 MUGA Test Report



Site Photographs - Example Defects (If Any)



Sport England Type 1 MUGA Test Report



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:

Surface Regularity: In total 5 deviatons were found in the playing area.

Wet Slip Resistance: In total 1 area was below the required limit for slip resitance.

END OF REPORT