

SPORTS LABS USA  
 Unit #2 • 155 River Road • Bow • New Hampshire • 03304  
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**INFORMATION / ADVICE & KNOW-HOW FROM THE SYNTHETIC SPORTS SURFACE EXPERTS**

Max per ASTM	Average (min)	Range (max)	ASTM
200	113	98 to 118	Gmax (g's)
n/a	32	30 to 34	Infill Depth (mm)

**Quick Reference Results Summary**

**Summary**  
 Sports Labs USA was commissioned to perform on-site Gmax impact testing per ASTM F1936. A complete test was performed in accordance with the ASTM F1936 Standard. The results have been summarized in the quick reference table below. Complete results and background can be found in the subsequent sections of this report.

**Notes:**  
 1. This report has been prepared by Sports Labs USA with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.  
 2. This report is confidential to the Client and Sports Labs USA accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.  
 3. This report shall not be used for engineering or contractual purposes unless signed by the Author and the Checker and unless the report status is "Final."

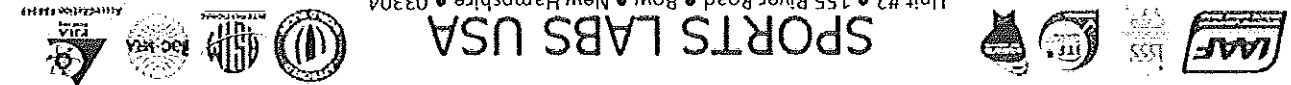
Project Information	
<b>Project Name</b>	Cutting Soccer Field ASTM F1936 Gmax Impact Evaluation
<b>Client Info</b>	Town of Sudbury 278 Old Sudbury Road Sudbury, MA 01776
<b>Site Info</b>	Cutting Field 429 Maynard Rd Sudbury, MA 01776
<b>Report Date</b>	9/27/2017
<b>Report Status</b>	Final
<b>Job no.</b>	92574/2764s
<b>Test Date</b>	9/8/2017
<b>Prepared by</b>	Kieran O'Donnell Field Operation Manager 
<b>Checked by</b>	Jeffrey Gentile Laboratory Director 



**ON-SITE TESTING  
 GMAX IMPACT EVALUATION**

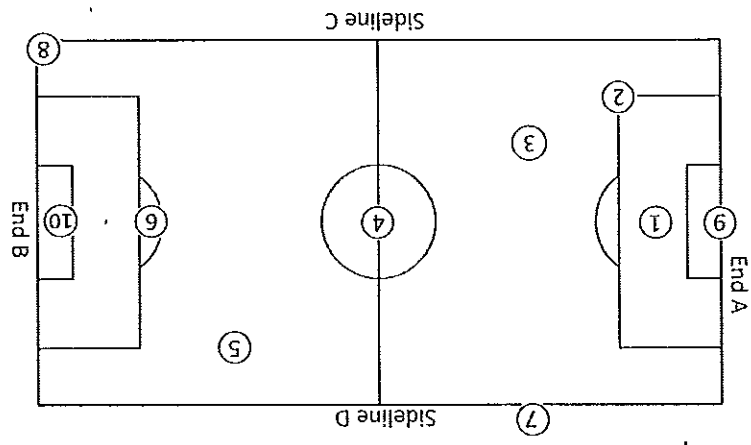
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Location Map



Testing Device	ASTM F1936 Apparatus	TRIAX 2010 Data Acquisition	ASTM F1936-10	ASTM F355 Procedure A
Install Date	n/p	Test Date	9/8/2017	Soccer
Field Orientation	End A = North	Primary Sport	SBR Rubber & Sand	Underlayment
Product Info	n/p	Infill System	Weather	Humidity %
None	50	Air Temp (°F)	Clear	Misc Field Notes
None	None	Conditions	None	None

General Information

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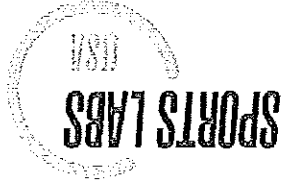
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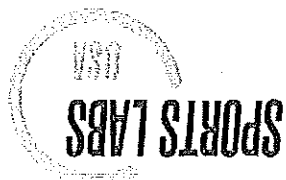
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**ON-SITE TESTING**  
**GMX IMPACT EVALUATION**



# ON-SITE TESTING GMAX IMPACT EVALUATION

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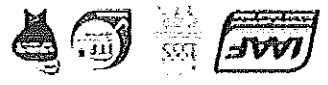
Results Table

Loc #	Drop #	Gmax (g's)	Location Description	Gmax Avg (g's)	Infill Depth (mm)	Surface Temp (F)
1	1	104	Penalty Kick Line, End	115	33	84
	2	114	A, center of field			
	3	116				
2	1	110	63 ft from center of field to corner of	117	34	85
	2	116	field to corner of			
	3	118	Penalty Box, Sideline C, Endline A			
3	1	105	75 ft from Half-Way	117	32	85
	2	115	Line to Endline A, 40 ft			
	3	119	from center of field to Sideline C			
4	1	90	Half-Way Line, center	98	32	84
	2	97	of field			
	3	99				
5	1	112	75 ft from Half-Way	117	32	84
	2	116	Line to End B, 63 ft			
	3	117	from center of field to Sideline D			
6	1	108	1/2 the distance from	118	30	84
	2	116	Penalty Restraining Arc			
	3	119	to leading edge of Penalty Box at End B, center of field			
7	1	109	60 ft from Half-Way	115	30	85
	2	112	Line to End A, 10 ft			
	3	117	from Sideline C			
8	1	94	3 ft from Corner Kick	99	34	84
	2	97				
	3	101				
9	1	108	3 ft from Goal Line to	113	30	84
	2	111	Half-Way Line, End A,			
	3	115	center of field			
10	1	108	15 ft from Goal Line to	118	30	84
	2	117	Half-Way Line, End B,			
	3	118	center of field			
Averages:						
				113	32	84

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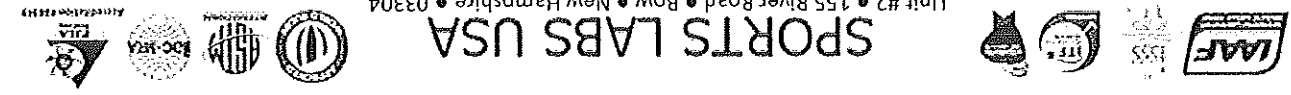


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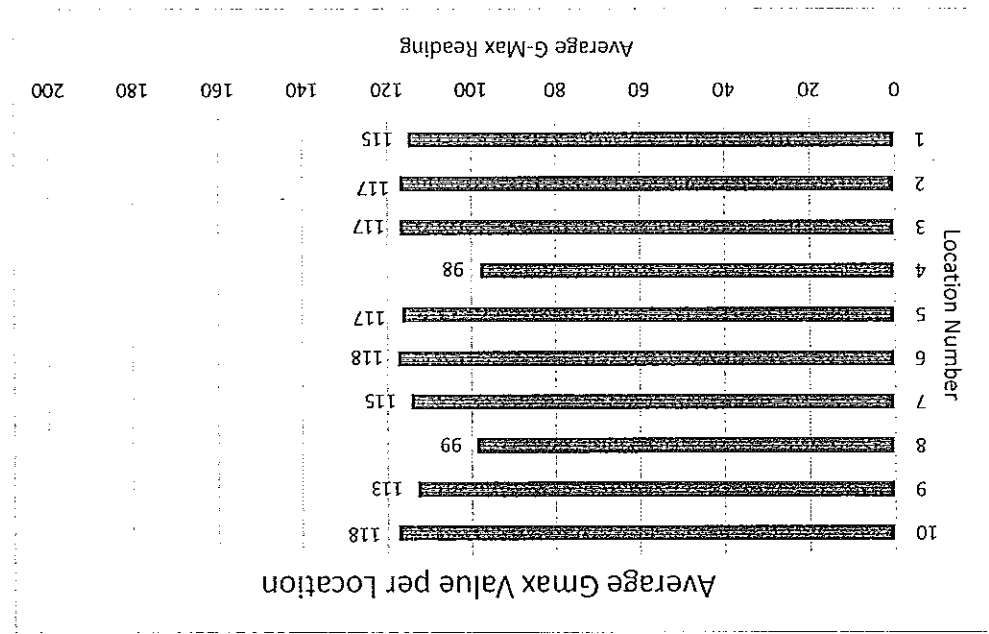
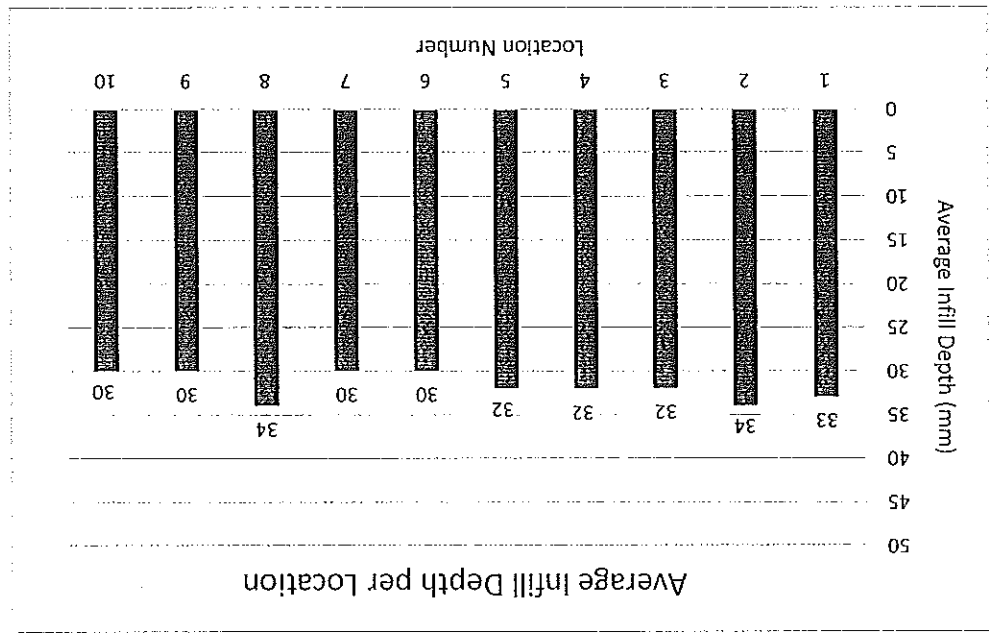


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Results Graphs



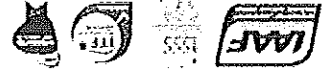
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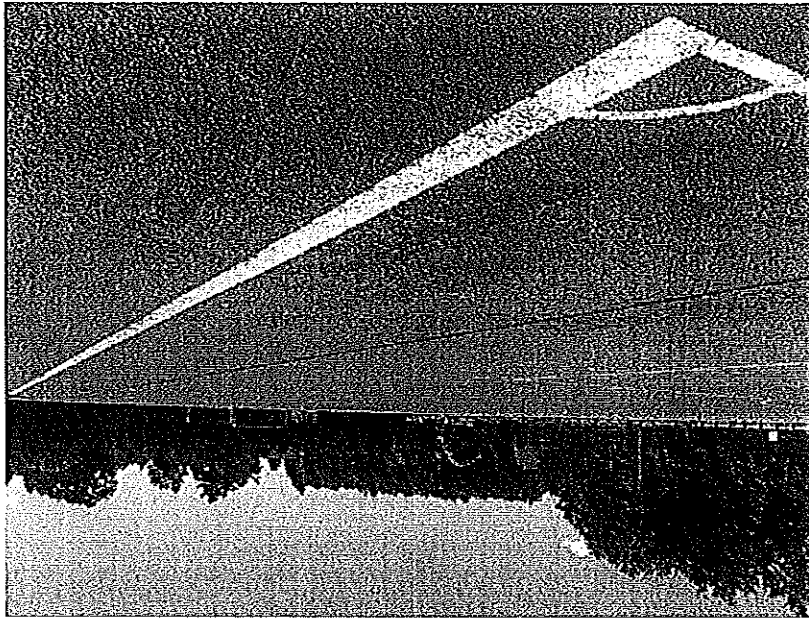


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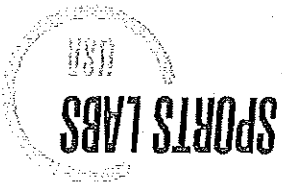
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End of Report



Overall Photo



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