

ON-SITE TESTING g-MAX IMPACT EVALUATION



Project Information

Project Name	Fairfield Ludlowe High School Football Field ASTM F1936-19 g-max Impact Evaluation		
Client Info	Fairfield Public Schools 501 Kings Hwy. E Suite 210 Fairfield, Connecticut 06825	Site Info	Fairfield Ludlowe High School 785 Unquowa Rd Fairfield, CT 06824
Report Date	6/21/2022	Test Date	6/17/2022
Report Status	Final	Job no.	97465/7764s
Prepared by	Michael Rocheleau Field Operations Manager		
Checked by	Jeffrey Gentile Operations Director		

Notes:

1. This report has been prepared by Firefly Sports Testing 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 Firefly Sports Testing 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."

Summary

Firefly Sports Testing was commissioned to perform on-site g-max impact testing per ASTM F1936-19. A complete test was performed in accordance with the ASTM F1936-19 Standard. The results have been summarized in the quick reference table below. Test results herein reflect the performance of the points tested, at the time of testing and at the temperature(s) reported. Complete results and background can be found in the subsequent sections of this report.

Quick Reference Results Summary

	Average	(min)	Range	(max)	Max per ASTM
Gmax (g's)	156	138	to	191	200
Infill Depth (mm)	31	23	to	35	n/a



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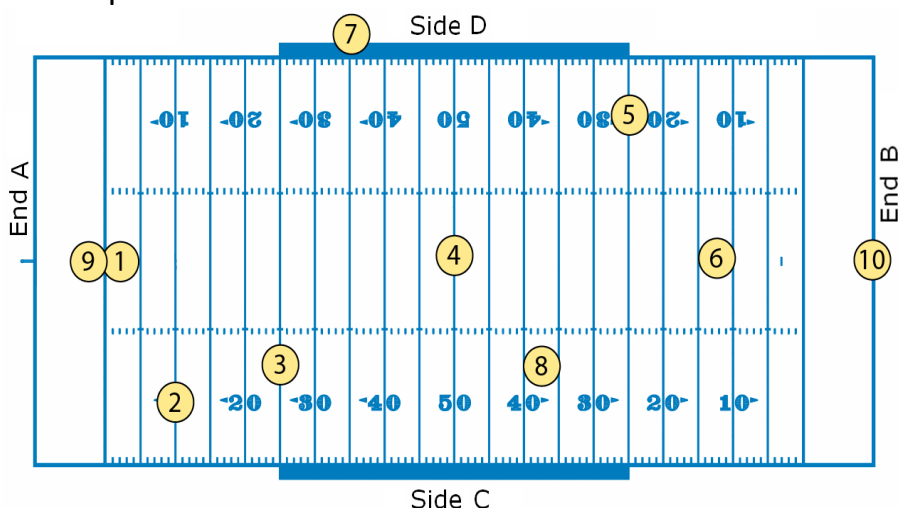
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General Information

Testing Device	ASTM F1936 Apparatus TRIAX 2010 Data Acquisition	Test Method	ASTM F1936-19 ASTM F355 Procedure A
Install Date	n/p	Test Date	6/17/2022
Field Orientation	End A= North	Primary Sport	Football
Product Info	n/p	Infill System	Rubber and Sand
Underlayment	None	Air Temp (° F)	83
Turf Cover %	n/a	Soil Moisture %	n/a
Humidity %	58	Weather Conditions	Clear & Sunny
Misc Field Notes	None	Technician	BD

Location Map



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Results Table

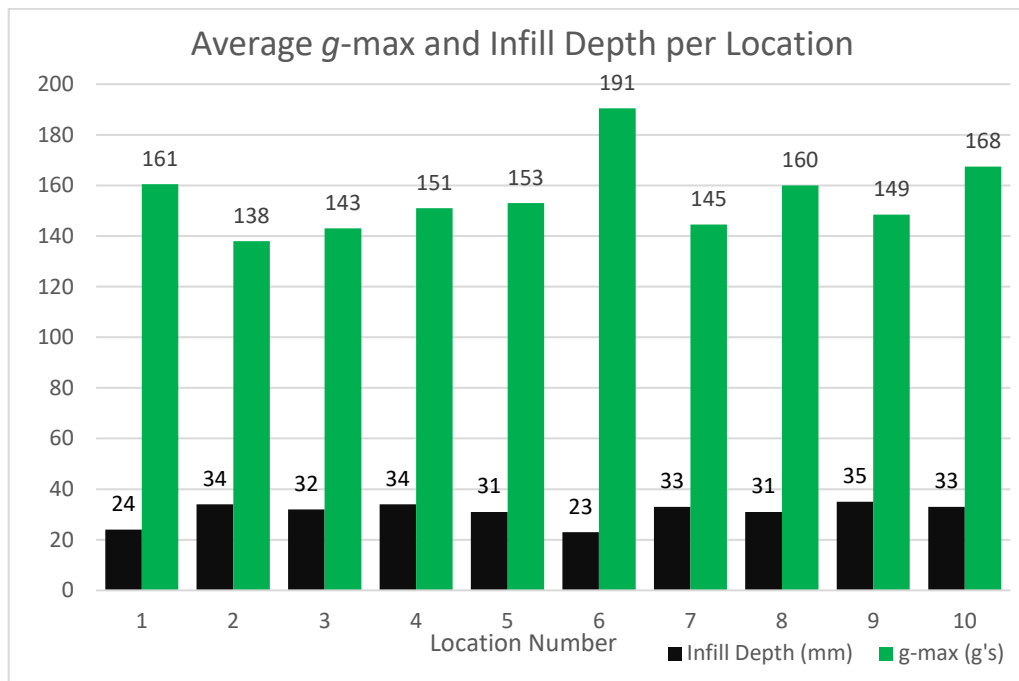
Loc #	Drop #	Gmax (g's)	Location Description	Gmax Avg (g's)	Infill Depth (mm)	Surface Temp (°F)
1	1	148	Goal Line, End A, field centerline	161	24	93
	2	159				
	3	162				
2	1	129	10 Yard Line, End A, 63 ft from field centerline to the Side C	138	34	93
	2	137				
	3	139				
3	1	135	25 Yard Line End A, 40 ft from field centerline to Side C	143	32	91
	2	143				
	3	144				
4	1	145	field centerline	151	34	91
	2	152				
	3	150				
5	1	142	25 Yard Line, East end, 63 ft from field centerline to Side D	153	31	91
	2	151				
	3	155				
6	1	174	12 Yard Line, End B, field centerline	191	23	96
	2	189				
	3	192				
7	1	133	North Team area, Side D	145	33	96
	2	145				
	3	144				
8	1	146	37 Yard Line, End B, 40 ft from the field centerline to Side C	160	31	90
	2	158				
	3	162				
9	1	140	6 ft from Goal Line to the back of the End Zone, End A, field centerline	149	35	92
	2	148				
	3	149				
10	1	154	6 ft from the back of the End Zone to the Goal Line, End B, field centerline	168	33	92
	2	166				
	3	169				
			Averages:	156	31	93



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Results Graphs



Overall Photo



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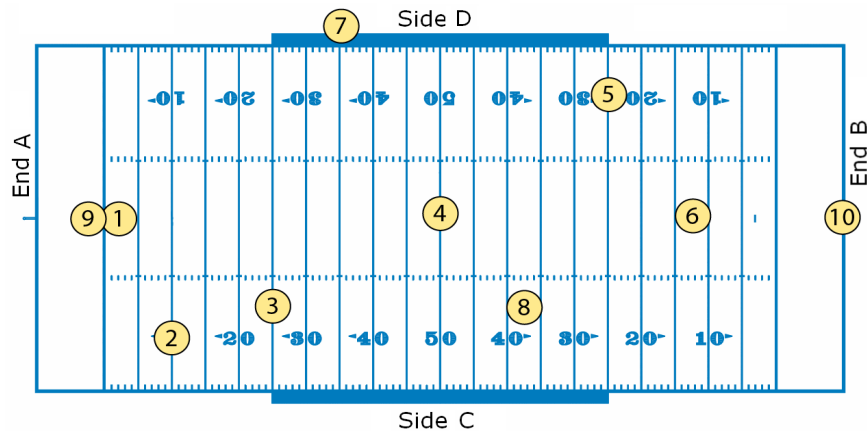


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Location Photos

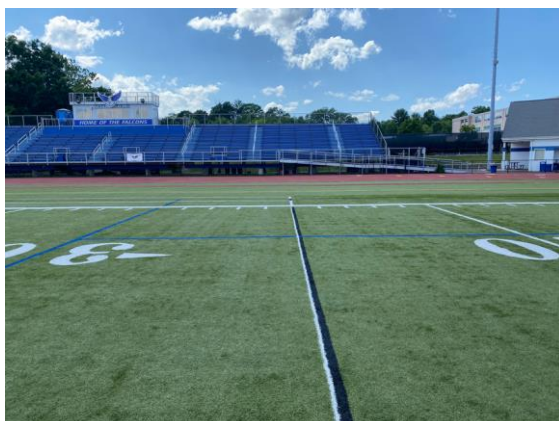
Photos have been taken at each location and are displayed in sequence below.



Location #1



Location #2



Location #3



Location #4



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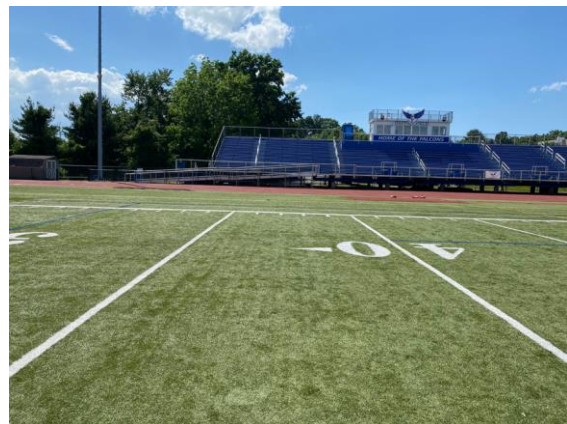
Location #5



Location #6



Location #7



Location #8



Location #9



Location #10

End of Report



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