

ON-SITE TESTING g-MAX IMPACT EVALUATION



Project Information

Project Name	Fairfield Warde 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 Warde High School 755 Melville Ave Fairfield, CT 06825
Report Date	6/21/2022	Test Date	6/17/2022
Report Status	Final	Job no.	97464/7763s
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)	143	129	to	165	200
Infill Depth (mm)	30	28	to	32	n/a



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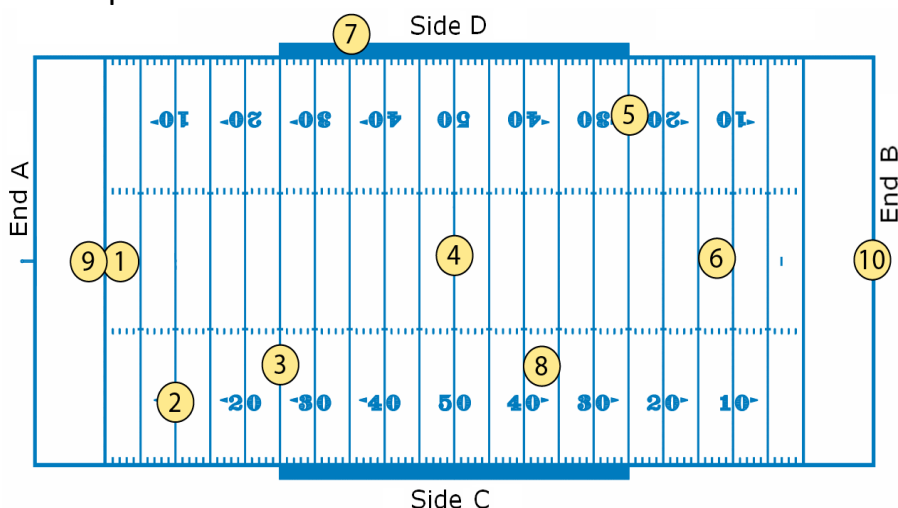
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General Information

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= Southeast	Primary Sport	Football
Product Info	n/p	Infill System	Rubber and Sand
Underlayment	None	Air Temp (° F)	91
Turf Cover %	n/a	Soil Moisture %	n/a
Humidity %	34	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	151	Goal Line, End A, field centerline	165	28	93
	2	161				
	3	169				
2	1	122	10 Yard Line, End A, 63 ft from field centerline to the Side C	140	30	92
	2	135				
	3	144				
3	1	131	25 Yard Line End A, 40 ft from field centerline to Side C	144	29	92
	2	143				
	3	145				
4	1	138	field centerline	152	29	95
	2	149				
	3	155				
5	1	124	25 Yard Line, East end, 63 ft from field centerline to Side D	136	30	94
	2	132				
	3	140				
6	1	116	12 Yard Line, End B, field centerline	129	32	96
	2	126				
	3	131				
7	1	134	North Team area, Side D	149	29	94
	2	147				
	3	150				
8	1	118	37 Yard Line, End B, 40 ft from the field centerline to Side C	131	31	92
	2	129				
	3	132				
9	1	126	6 ft from Goal Line to the back of the End Zone, End A, field centerline	144	29	93
	2	141				
	3	146				
10	1	132	6 ft from the back of the End Zone to the Goal Line, End B, field centerline	144	28	94
	2	143				
	3	144				
			Averages:	143	30	94



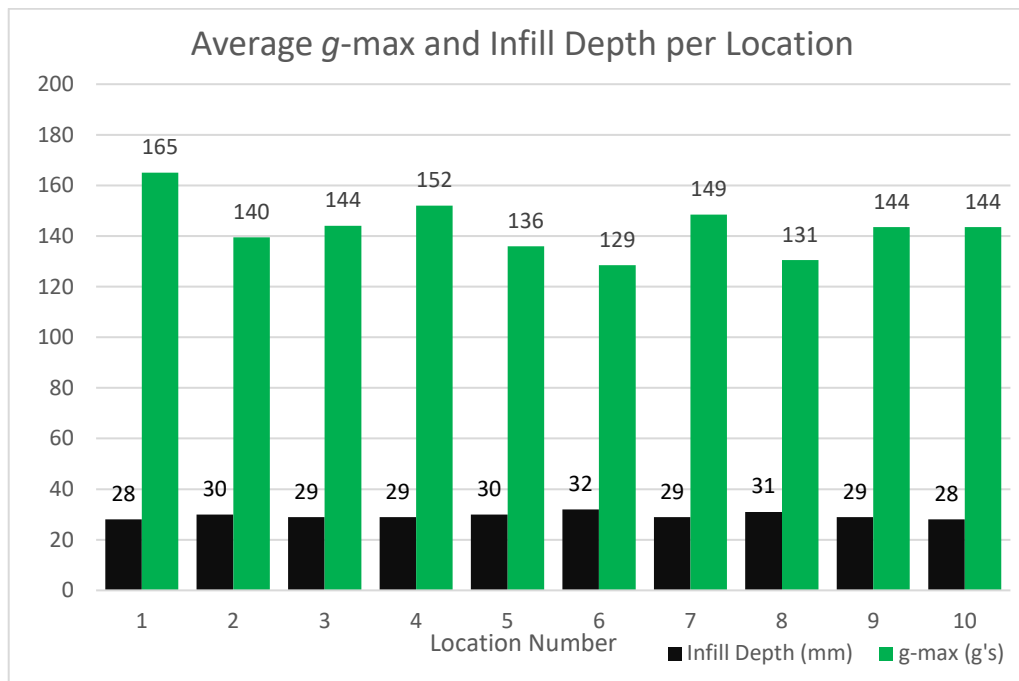
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Results Graphs



Overall Photo

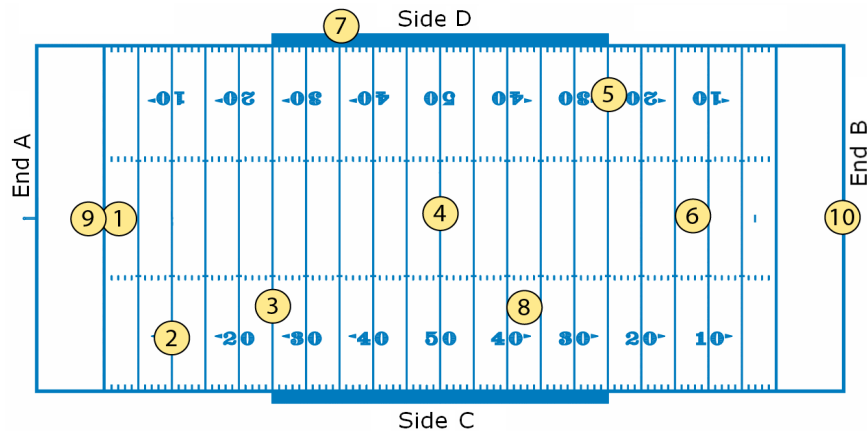


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Location Photos

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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