



# G-MAX TEST REPORT

## CLIENTS:

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## REPORT NUMBER

2019

Date 06-27-2019

## DESCRIPTION

An independent analysis of synthetic turf relative to G-max was requested by the client. The Test was performed by a Licensed Professional Engineer at the below referenced location with ASTM certified and calibrated equipment via Triax "A" Missile SN30-9887 1683. The Test Methods are as follows;

*Method A - ASTM F 355, Test Method for Shock-Absorbing Properties of Playing Surface Systems and Materials.*

**ASTM F 1936-10**, *Standard Specification for Shock-Absorbing Properties of North American Football Field Playing Systems as Measured on the Field, (G-max)*

The particulars of this on-site analysis are described below. A passing Gmax value only indicates the field is in compliance with ASTM F1936-10 and does not exclude the field from needing necessary repairs or maintenance to assure a safe playing surface.

## TEST INFORMATION

**Project Name – Stanton ES – Softball Field**

**Site address** - 2701 Naylor Road SE, Washington, DC

**Test Type** - Onsite G-max Test - 10 Locations

**Field Type** - Softball (Sand/Rubber)

**Test Date** - 06-27-2019

**Time of Test** - 8:00am

**Weather** - Sun 78°F

**Installation Date** - 2008

**Field Temp** - 81°F Average

## TEST RESULTS

The following test results indicate G-max values for ten individual locations with three separate tests performed at each location. A table has been provided indicating the values associated with each test and a location map showing the ten individual tests at designated and described locations. ***The test results reported herein reflects the conditions of the tested field at the time and temperatures noted.***

## TEST CONCLUSION

The Synthetic Turf Athletic Softball Field at Stanton Elementary School as characterized above and in the following report has been verified to be **out of compliance** for shock attenuation and **does not meet the requirements** for play based on the specifications as referenced in ASTM F1936-10 with locations above the maximum allowable limit of 200.

**Stanton ES - Softball Field  
Overall G-max = 162**

**APPROVED BY - RYAN TEETER, P.E. - LDD Sports**

**(607) 351-8254**

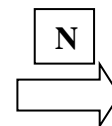
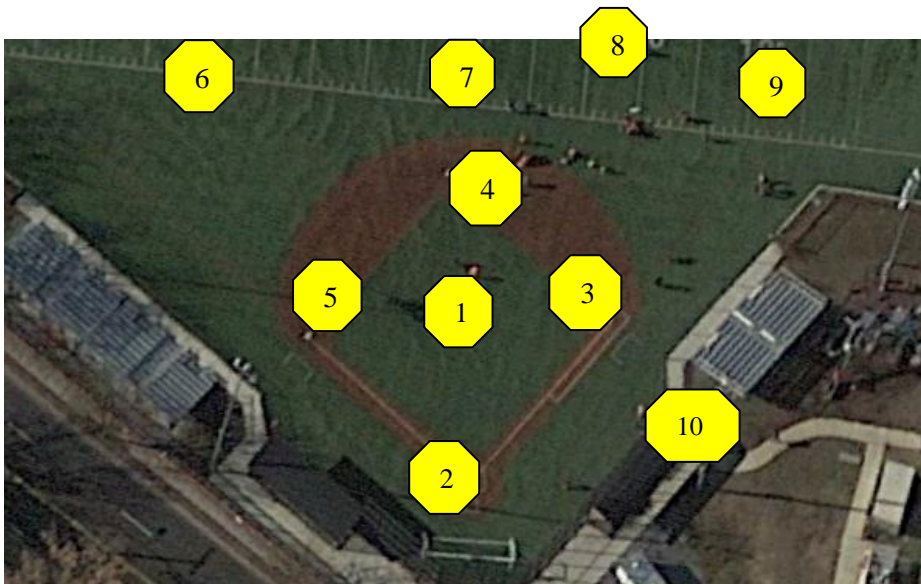
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# G-MAX TEST REPORT

Stanton ES - Baseball Field									
G-max Values - 06.27.2019									
Test Location	Drop 1		Drop 2		Drop 3		Gmax Average	Infill Depth (mm)	Field Temp (°F)
	Gmax	HIC	Gmax	HIC	Gmax	HIC			
1	223	623	222	597	211	543	216.50	12	81
2	180	464	180	461	180	445	180.00	20	81
3	187	517	184	492	174	452	179.00	23	81
4	190	647	187	639	185	624	186.00	24	81
5	178	503	175	488	166	446	170.50	21	81
6	120	302	125	336	125	348	125.00	29	81
7	130	325	131	341	135	395	133.00	29	81
8	121	356	130	371	135	389	132.50	30	81
9	132	352	128	322	126	313	127.00	30	81
10	161	523	172	586	174	596	173.00	32	81
							162	Overall Average G-max	

Location	Specific Location Description
1	3ft in front of Pitching Circle
2	Home Plate right handed batters box
3	1st Base 3ft off towards 2nd Base
4	2nd Base 3ft off Towards 1st Base
5	3rd Base 3 ft off Towards 2nd Base
6	Left Field Area
7	Center Field Area
8	Outfield Area center field
9	Right Field Area
10	Main Entrance to Field by Dug Outs







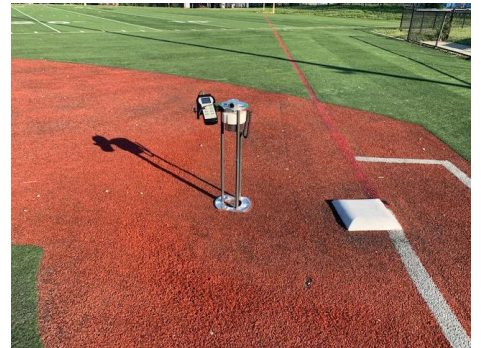
## G-MAX TEST REPORT



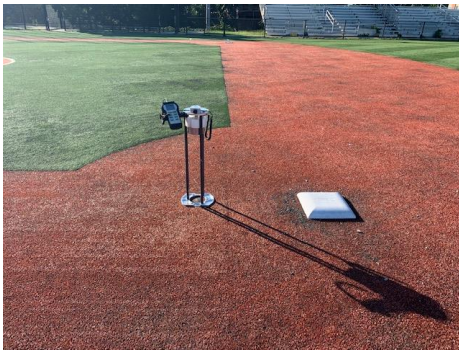
Location #1



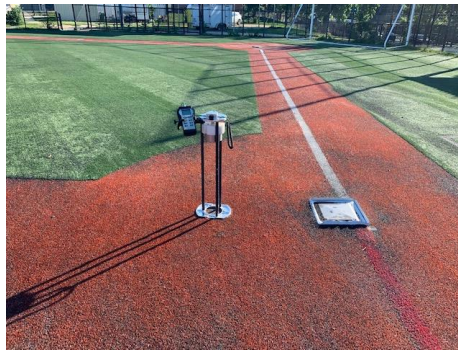
Location #2



Location #3



Location #4



Location #5



Location #6



Location #7



Location #8



Location #9



Location #10