



G-MAX TEST REPORT

CLIENTS:

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Department of General Services
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REPORT NUMBER

2019

Date 06-18-2019

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.

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 - 06-18-2019

Time of Test - 10:45am

Weather - Sun 78°F

Installation Date - 2008

Field Temp - 84°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 = 160**

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

(607) 351-8254

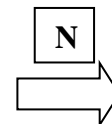
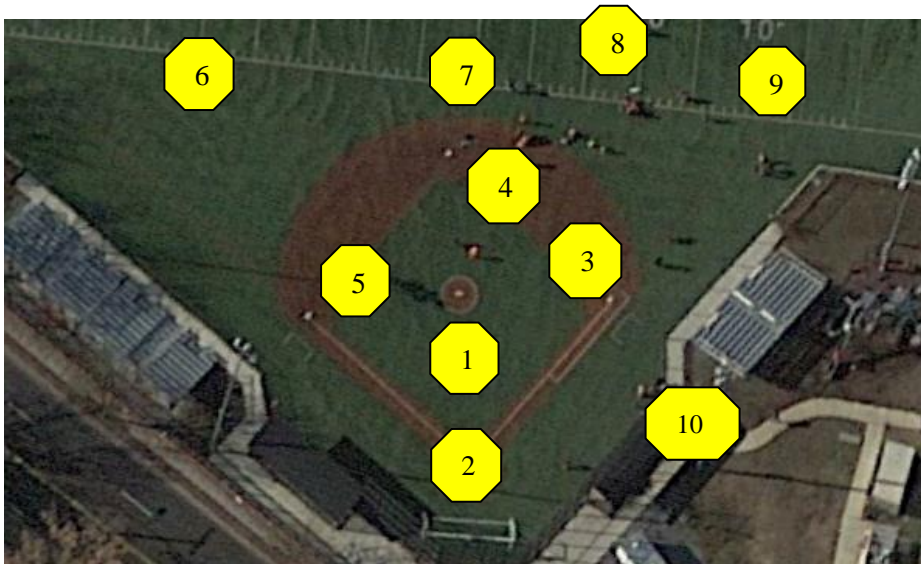
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Stanton ES - Baseball Field									
G-max Values - 06.18.2019									
Test Location	Drop 1		Drop 2		Drop 3		Gmax Average	Infill Depth (mm)	Field Temp (°F)
	Gmax	HIC	Gmax	HIC	Gmax	HIC			
1	141	416	157	476	161	486	159.00	38	84
2	158	398	167	451	171	489	169.00	28	84
3	180	468	176	459	171	442	173.50	27	84
4	183	631	179	622	178	619	178.50	28	84
5	178	534	176	509	177	521	176.50	29	84
6	120	302	125	336	125	348	125.00	29	84
7	130	325	131	341	135	395	133.00	29	84
8	121	356	130	371	135	389	132.50	30	84
9	132	352	128	322	126	313	127.00	30	84
10	240	773	231	741	227	713	229.00	17	84
							160	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



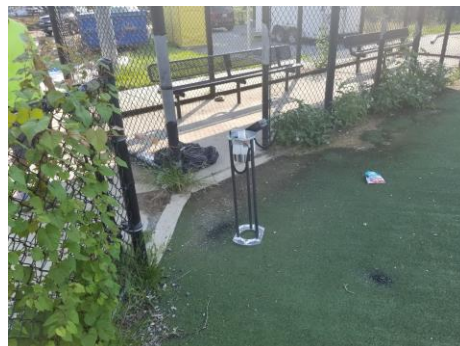
Location #7



Location #8



Location #9



Location #10