



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 – Parkview Recreation Center

Site address - 693 Otis Place NW, Washington, DC

Test Type - Onsite G-max Test - 10 Locations

Field Type - Soccer (Sand/Rubber)

Test Date - 06-18-2019

Time of Test - 3:15pm

Weather - Sun 88°F

Installation Date - 2012

Field Temp - 101°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 Fields at Parkview Recreation Center 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.

**Parkview – Synthetic Turf Fields
Overall G-max = 196**

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

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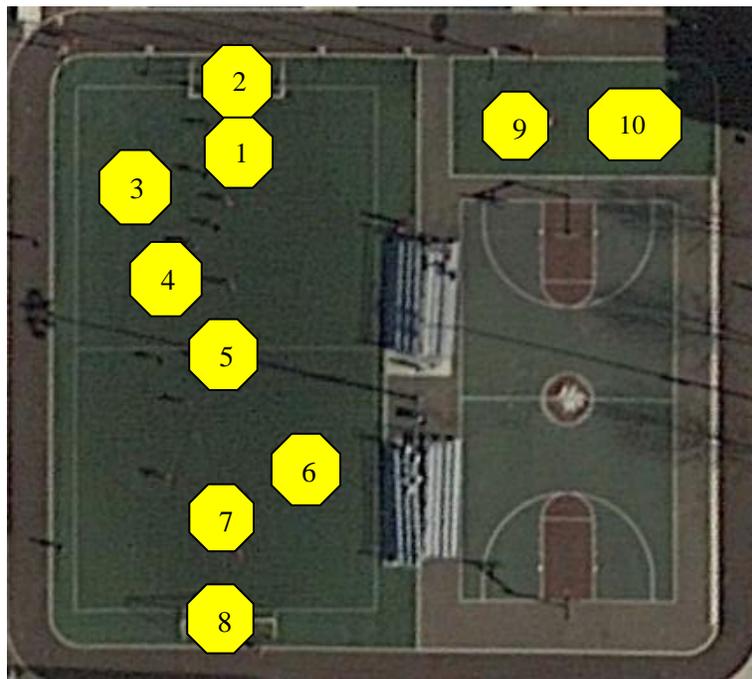
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Park View Rec - Synthetic Turf Field									
G-max Values - 06.18.2019									
Test Location	Drop 1		Drop 2		Drop 3		Gmax Average	Infill Depth (mm)	Field Temp (°F)
	Gmax	HIC	Gmax	HIC	Gmax	HIC			
1	177	561	191	629	189	615	190.00	30	101
2	197	660	213	752	214	747	213.50	31	101
3	140	372	158	446	162	460	160.00	33	101
4	158	482	173	550	175	556	174.00	34	101
5	190	647	211	766	214	780	212.50	32	101
6	165	515	181	593	186	614	183.50	34	101
7	167	514	188	623	184	593	186.00	31	101
8	223	770	246	905	242	884	244.00	20	101
9	193	582	198	589	203	603	200.50	30	101
10	175	532	195	624	201	599	198.00	31	101
							196	Overall Average G-max	

Location	Specific Location Description
1	E Penalty Kick at Center of the Field
2	E Goal area at center of field
3	NE Corner of White Lines
4	NE Quadrant of Field
5	Center of Field at Midfield
6	SE Quadrant of Field
7	W Center of field at White Arc
8	W Soccer Goal Area at Center of Field
9	North small field area
10	South small field area





G-MAX TEST REPORT



Location #1



Location #2



Location #3



Location #4



Location #5



Location #6



Location #7



Location #8



Location #9 - Small Field



Location #10 - Small Field