



# G-MAX TEST REPORT

## CLIENTS:

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## REPORT NUMBER

2019

Date 06-26-2019

## 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 – Riggs Recreation Baseball Fields**

**Site address** - 501 Riggs Street NE, Washington, DC

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

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

**Test Date** - 06-26-2019

**Time of Test** - 1:00pm

**Weather** - Sun, 91°F

**Installation Date** - 2008

**Field Temp** - 113°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 Baseball and Softball Fields at Riggs 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.

**Riggs Rec – Baseball/Softball Fields  
Overall G-max = 170**

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

**(607) 351-8254**

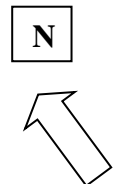
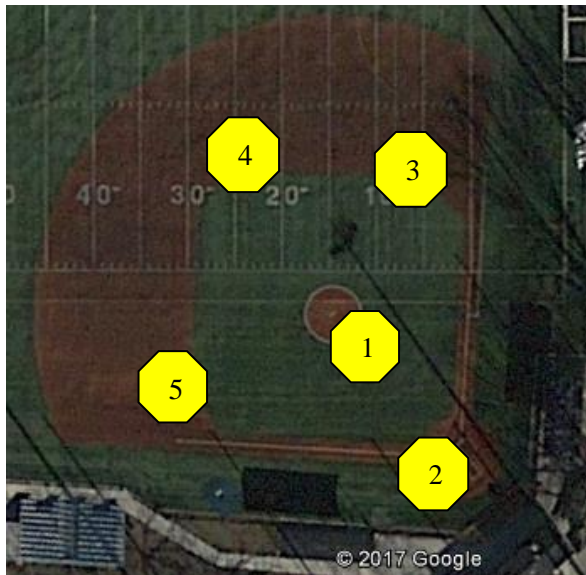
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Riggs Rec Center - Baseball and Softball Fields									
G-max Values - 06.26.2019									
Test Location	Drop 1		Drop 2		Drop 3		Gmax Average	Infill Depth (mm)	Field Temp (°F)
	Gmax	HIC	Gmax	HIC	Gmax	HIC			
1	145	434	153	466	154	474	153.50	36	113
2	174	489	179	509	177	499	178.00	22	113
3	155	436	155	432	154	419	154.50	32	113
4	151	451	162	477	154	438	158.00	30	113
5	175	491	181	512	176	487	178.50	27	113
6	201	613	201	622	200	618	200.50	18	113
7	98	226	112	276	116	288	114.00	21	113
8	188	583	194	607	184	556	189.00	25	113
9	186	540	195	596	190	548	192.50	22	113
10	180	505	187	547	182	509	184.50	23	113
							170	Overall Average G-max	

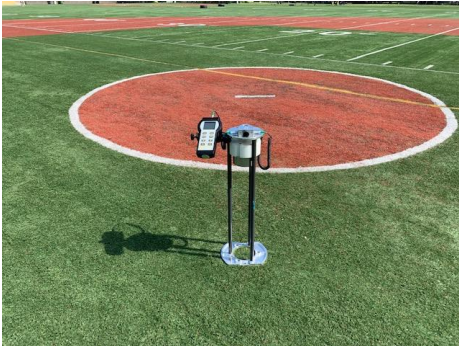
Location	Specific Location Description
1	East Baseball Diamond - 3ft in front of pitching mound circle
2	East Baseball Diamond - Right Handed Batters Box
3	East Baseball Diamond - 3ft off first base towards 2nd
4	East Baseball Diamond - 3ft off second base towards 1st
5	East Baseball Diamond - 3ft off third base towards 2nd
6	West Softball Diamond - 3ft in front of pitching mound circle
7	West Softball Diamond - Right Handed Batters Box
8	West Softball Diamond - 3ft off first base towards 2nd
9	West Softball Diamond - 3ft off second base towards 1st
10	West Softball Diamond - 3ft off third base towards 2nd







## G-MAX TEST REPORT



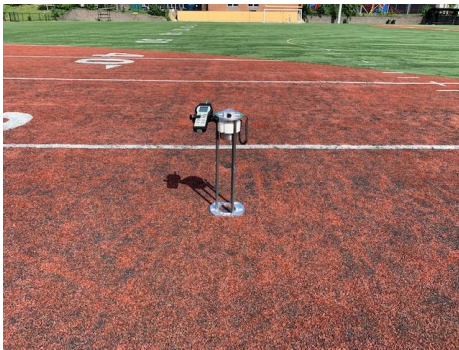
Location #1



Location#2



Location #3



Location #4



Location #5



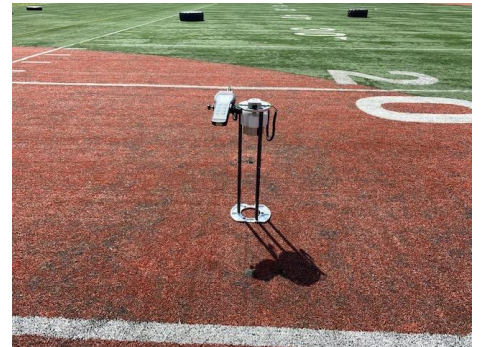
Location #6



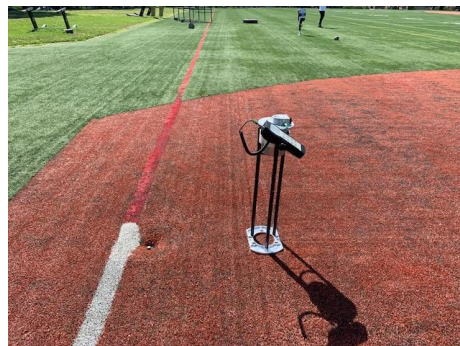
Location #7



Location #8



Location #9



Location #10