



# G-MAX TEST REPORT

## CLIENTS:

Jerry Brown  
Tidora Systems, LLC  
4202 Grant Street, NE  
Washington, DC 20019

Department of General Services  
2000 14<sup>th</sup> St NW  
Washington, DC 20009

## 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 – Palisades Spray Park – Turf Field  
Site address - 5200 Sherrier PI NW, Washington, DC  
Test Type - Onsite G-max Test - 10 Locations  
Field Type - Soccer (Sand/Rubber)

Test Date - 06-26-2019  
Time of Test - 2:30pm  
Weather - Sun, 91°F  
Installation Date - 2013  
Field Temp - 111°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 Field Palisades Park 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.

**Palisades Park – Synthetic Turf Field  
Overall G-max =**

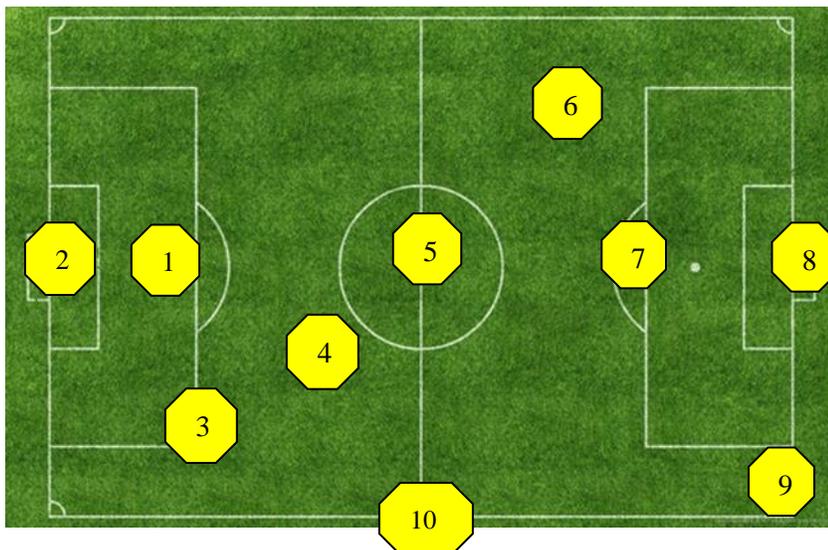
APPROVED BY - RYAN TEETER, P.E. - LDD Sports  
(607) 351-8254  
[www.ldsports.com](http://www.ldsports.com)



# G-MAX TEST REPORT

Palisades Park - (Soccer Field)									
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	187	558	193	574	191	558	192.00	18	111
2	221	534	234	559	237	589	235.50	15	111
3	158	492	157	487	154	476	155.50	22	111
4	168	513	170	521	168	506	169.00	22	111
5	184	551	192	580	190	568	191.00	18	111
6	130	295	142	343	146	359	144.00	23	111
7	140	326	146	343	144	327	145.00	24	111
8	188	487	195	510	192	496	193.50	22	111
9	151	443	156	469	157	470	156.50	25	111
10	189	455	191	515	194	537	192.50	29	111
							177	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	SE Corner of White Lines
4	SE Approx 25 yd line 30 ft from midfield
5	Center of field
6	NW Approx 25 yd line at the numbers
7	W Center of field at White Arc
8	W Soccer Goal Area at center of field
9	NW Corner kick white line
10	North sideline at midfield





# G-MAX TEST REPORT



Location #1



Location #2



Location #3



Location #4



Location #5



Location #6



Location #7



Location #8



Location #9



Location #10