

IMPACT ATTENUATION REPORT

August 13, 2026



This test is performed in accordance with ASTM F1936-19, a Standard Specification for Shock Attenuation of Turf Playing Systems as Measured in the Field. The results reported herein reflect the performance of the tested playing field surface at the time of testing and the temperature and ambient conditions reported. Performance will vary with the temperature, moisture content and other factors.

FACILITY INFORMATION

Name / Address:	Manufacturer:	Year Constructed:	Square Footage:
Stadium Field Schuylkill Valley SD 929 Lake Shore Drive Leesport, PA 19533	A-Turf	2017	97,665
	In-Fill Make-Up:	Fiber:	Base:
	Rubber / Sand	Titan	Stone / 10mm Pad
		Turf Height (at install):	2.25"
	Weather Conditions:	Partly Sunny, 80°	Surface Condition: Dry
		Surface Temp.:	115.8°
Other Conditions Observed:	N / A	Surface Temp. (1/2" depth):	90.7°

WORK COMPLETED

Service:	Date Completed
1.) G-Max Testing	08.13.2026
2.) Equipment: Triax Touch A Missile System - Surface Impact Tester	
3.) This test is performed using an "A missile" manufactured by Alpha Automation, Inc., in conformance with the technical requirements of ASTM F355-23 and ASTM F1936-19. (ASTM Standards are available from www.astm.org)	
4.) Field tested after the addition of crumb rubber to "hot spots".	

G-MAX TEST RESULTS SUMMARY

- G-Max High Point - # 1 114 G
- G-Max Low Point - # 10 96 G
- In-fill Depth High Point - # 1-4, 7-10 1.40 "
- In-fill Depth Low Point - # 5 & 6 1.30 "

PERFORMANCE REQUIREMENTS

- 1.) The drop height at each test location is 2 feet (24") and the velocity at the point of impact shall be 11.35 ± 0.56 ft/s. The drop height is physically measured. The drops are performed from the same drop height to the same point on the surface.
- 2.) Depth of the infill will be determined and recorded at 3 points at each test location.
- 3.) The ASTM F1936 requires that the average G-Max of the second and third drops at a single test point shall not exceed 200 average G-Max. If a turf system is tested in accordance with the Test Method ASTM F355, Procedure A, as specified, and the average G-Max of 1 or more of the tested points reported is in excess of 200 average G-Max, the surface system should be replaced in full or in part.

Test Performed by: Danielle J. Fackler Authorized Signature:

A handwritten signature in blue ink that reads 'Danielle J. Fackler'.

G-MAX TESTING

LOCATION: Schuylkill Valley SD - Stadium
TYPE OF TURF: A-Turf Titan
WEATHER: Partly Sunny, 80°
DATE: 08.13.2026
MARKINGS: Inlayed - Football, Soccer, Field Hockey



DROP #	DROP HEIGHT	DROP LOCATION	VELOCITY	HIC	INFILL DEPTH	GMAX
			feet / second		inches	
7	24"	POINT 1	11.6	322	1.40	106
8	24"	Goal Line, End A, center of field	11.7	355	1.40	113
9	24"		11.6	359	1.40	114
					1.40	114
10	24"	POINT 2	11.6	285	1.40	99
11	24"	10 Yard Line, End A, 63 ft from center	11.6	315	1.40	105
12	24"	of field to Side C	11.8	322	1.40	107
					1.40	106
13	24"	POINT 3	11.6	294	1.40	101
14	24"	25 Yard Line, End A, 40 ft	11.7	325	1.40	106
15	24"	from center of field to Side C	11.8	335	1.40	109
					1.40	108
16	24"	POINT 4	11.8	315	1.40	106
17	24"	Center of the field	11.7	350	1.40	112
18	24"		11.6	351	1.40	112
					1.40	112
22	24"	POINT 5	11.6	283	1.30	98
23	24"	25 Yard Line, End B, 63 ft	11.6	306	1.30	103
24	24"	from center of field to Side D	11.6	312	1.30	105
					1.30	104
25	24"	POINT 6	11.6	307	1.30	105
26	24"	12 Yard Line, End B, center of field	11.6	337	1.30	110
27	24"		11.6	341	1.30	111
					1.30	111
1	24"	POINT 7	11.5	326	1.40	103
2	24"	Select high-wear area located within	11.7	345	1.40	108
3	24"	the limit but outside the in-bounds lines	11.6	348	1.40	109
					1.40	109
19	24"	POINT 8	11.6	262	1.40	94
20	24"	Select high-wear area located within	11.8	287	1.40	100
21	24"	the limit lines	11.6	295	1.40	105
					1.40	103
4	24"	POINT 9	11.6	308	1.40	103
5	24"	6 ft from the Goal Line to the back of the	11.6	332	1.40	108
6	24"	End Zone, End A, center of field	11.6	333	1.40	110
					1.40	109
28	24"	POINT 10	11.6	244	1.40	91
29	24"	6 ft from the back of the End Zone to the	11.5	260	1.40	96
30	24"	Goal Line, End B, center of field	11.6	259	1.40	96
					1.40	96

Notes: Test results reported herein reflect the performance of the points tested, at the time of testing and at the temperature(s) reported.
 Overall field G-max Average: **106.95 G** (Based on the 10 locations required for testing).
 Infill depth average: **1.38 "** (Based on the 10 locations required for testing).

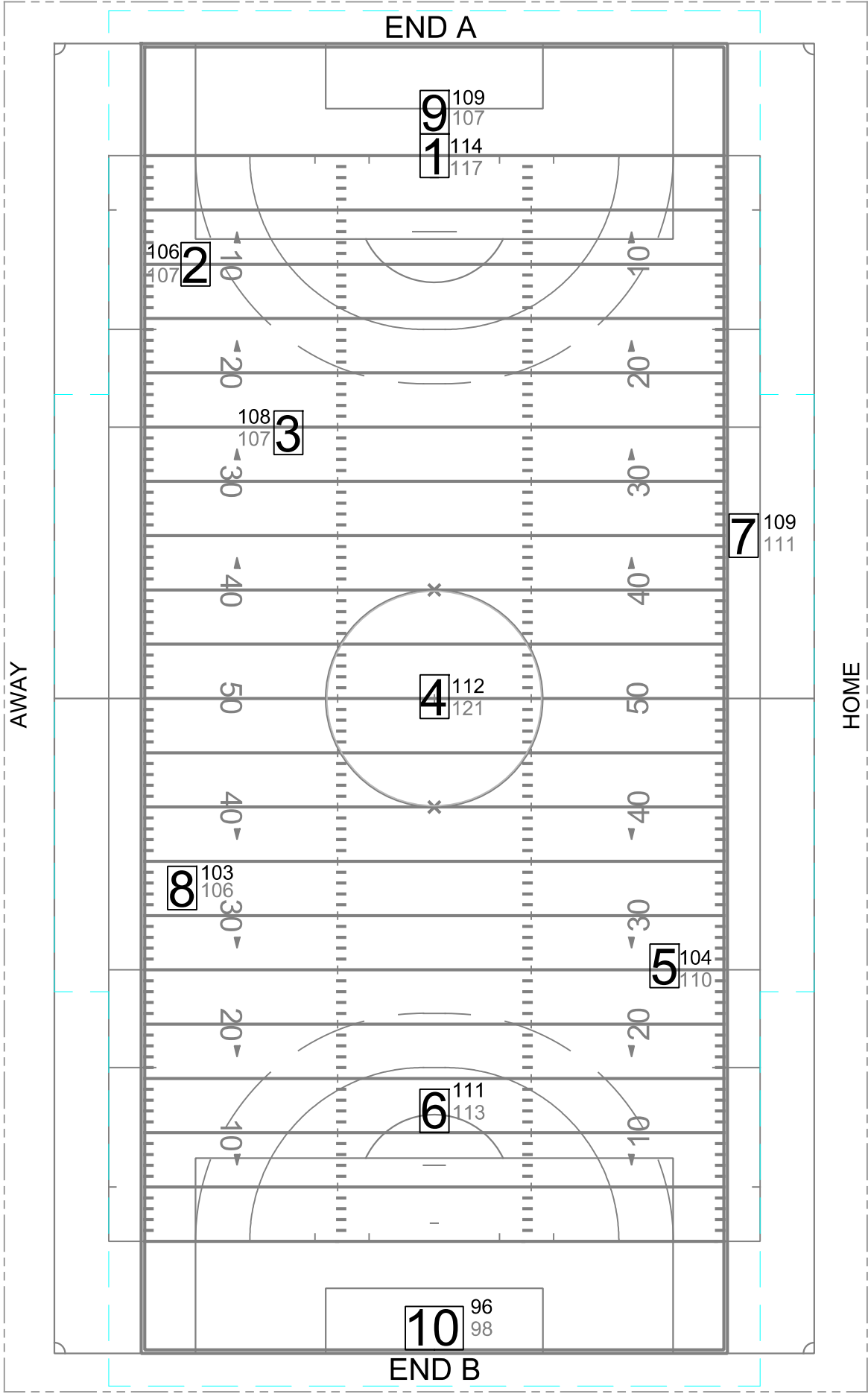


CLIENT:
SCHUYLKILL VALLEY SCHOOL DISTRICT
929 LAKE SHORE DRIVE
LEESPORT, PA 19533

JOB:
G-MAX TEST RESULTS

LOCATION:
STADIUM
929 LAKE SHORE DRIVE
LEESPORT, PA 19533

DATE:
AUG. 13, 2026
SCALE:
NO SCALE



109 - 2026
106 - 2025

TRIAx TOUCH IMPACT TEST SYSTEM DATA REPORT

Report Date: 8/13/2026

26.08.13 Schuylkill Valley SD_Stadium

No.	Peak	HIC	Ft/Sec	ANGLE	Date/Time	Comment
1	103	326	11.5	3	08/13/26 11:01a	Location #7
2	108	345	11.7	3	08/13/26 11:02a	Location #7
3	109	348	11.6	3	08/13/26 11:03a	Location #7
4	103	308	11.6	3	08/13/26 11:04a	Location #9
5	108	332	11.6	2	08/13/26 11:05a	Location #9
6	110	333	11.6	2	08/13/26 11:06a	Location #9
7	106	322	11.6	3	08/13/26 11:07a	Location #1
8	113	355	11.7	3	08/13/26 11:08a	Location #1
9	114	359	11.6	3	08/13/26 11:09a	Location #1
10	99	285	11.6	3	08/13/26 11:10a	Location #2
11	105	315	11.6	4	08/13/26 11:11a	Location #2
12	107	322	11.8	3	08/13/26 11:12a	Location #2
13	101	294	11.6	3	08/13/26 11:13a	Location #3
14	106	325	11.7	3	08/13/26 11:14a	Location #3
15	109	335	11.8	2	08/13/26 11:15a	Location #3
16	106	315	11.8	4	08/13/26 11:16a	Location #4
17	112	350	11.7	3	08/13/26 11:17a	Location #4
18	112	351	11.6	5	08/13/26 11:18a	Location #4
19	94	262	11.6	3	08/13/26 11:19a	Location #8
20	100	287	11.8	3	08/13/26 11:20a	Location #8
21	101	295	11.6	3	08/13/26 11:22a	Location #8
22	98	283	11.6	2	08/13/26 11:23a	Location #5
23	103	306	11.6	3	08/13/26 11:24a	Location #5
24	105	312	11.6	2	08/13/26 11:25a	Location #5
25	105	307	11.6	3	08/13/26 11:26a	Location #6
26	110	337	11.6	2	08/13/26 11:27a	Location #6
27	111	341	11.6	3	08/13/26 11:28a	Location #6
28	91	244	11.6	2	08/13/26 11:29a	Location #10
29	96	260	11.5	2	08/13/26 11:30a	Location #10
30	96	259	11.6	3	08/13/26 11:31a	Location #10



TRIAX TOUCH IMPACT TEST SYSTEM DATA REPORT

Report Date: 8/12/2026

26.08.12 Schuylkill Valley SD Calibration

No.	Peak	HIC	Ft/Sec	ANGLE	Date/Time	Comment
61	169	797	11.5	2	08/12/26 02:25p	Calibration #1
62	170	804	11.6	3	08/12/26 02:26p	Calibration #2
63	170	804	11.6	3	08/12/26 02:27p	Calibration #3

CERTIFICATE OF ACHIEVEMENT
AWARDED TO

Danielle Fackler

In recognition of passing the training program for performance of synthetic turf testing to ASTM F1936-15 Standard Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field, using the Triax2015 "A" Missile Surface Impact Tester in compliance with ASTM F355-10a. **Mrs. Fackler** is now qualified to testing of synthetic turf to the requirements of ASTM F1936-10



Course designed and provided by
Canadian Playground Advisory Inc.

No. A78

Training at Hershey, PA, USA, April 21, 2016

A large, stylized handwritten signature in black ink, appearing to read 'D. Fackler'.

President, Canadian Playground Advisory Inc., Chief Trainer