CITY OF ALEXANDRIA VIRGINIA
PARKS AND RECREATION

G-Max HIC Testing FY19 - April 2019

PLAYGROUND SURFACE TESTING

Playground Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Angel Park Playground	GMax / HIC	***61***	***209***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Armistead L. Boothe Playground # 1	GMax / HIC	***81***	***308***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Armistead L. Boothe Playground # 2	GMax / HIC	***87***	***391***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Armory Tot Lot Playground	GMax / HIC	***69***	***269***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Beach Park Playground	GMax / HIC	***62***	***181***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Ben Brenman Park Playground	GMax / HIC	***107***	***511***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Beverley Park Playground	GMax / HIC	***78***	***350***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Brookvalley/Holmes Run Playground	GMax / HIC	***70***	***227***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

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Playground Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Brookvalley Park Pegram St Playground	GMax / HIC	***75***	***323***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Brookvalley Park Ripley St Playground	GMax / HIC	***63***	***209***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Leatrice Byrd Playground	GMax / HIC	***51***	***158***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Charles Barrett Recreation Playground	GMax / HIC	***119***	***643***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Charles Houston Recreation	GMax / HIC	***98***	***504***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Chetworth Park Playground	GMax / HIC	***82***	***336***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Chinquapin Park Playground	GMax / HIC	***83***	***372***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Ewald Park Playground	GMax / HIC	***70***	***289***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Fort Ward Park Playground	GMax / HIC	***59***	***163***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

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Playground Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Four Mile Run Park Playground	GMax / HIC	*65*	*263*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Goat Hill Park Playground	GMax / HIC	*93*	*467*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Holmes Run Playground	GMax / HIC	*76*	*284*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Holmes Run/S. Jordan St. Playground	GMax / HIC	*67*	*248*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Hooff's Run Park and Greenway Playground	GMax / HIC	*78*	*369*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Hume Springs Park Playground	GMax / HIC	*85*	*374*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Hunter Miller Park Playground	GMax / HIC	*105*	*531*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
James Mulligan Park Playground	GMax / HIC	*107*	*488*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Judy Lo Park Playground	GMax / HIC	*52*	*104*	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

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Playground Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Landover Park Playground	GMax / HIC	***126***	***735***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Lynhaven Park Playground	GMax / HIC	***64***	***245***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Mason Avenue Park Playground	GMax / HIC	***108***	***495***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Montgomery Park Playground	GMax / HIC	***51***	***166***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Mount Jefferson Park/Greenway Playground	GMax / HIC	***96***	***477***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Nannie J. Lee Recreation Playground	GMax / HIC	***99***	***512***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Potomac Yards Playground # 1	GMax / HIC	***68***	***284***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Potomac Yards Playground # 2 (5-12)	GMax / HIC	***68***	***304***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Potomac Greens Playground	GMax / HIC	***56***	***172***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

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Playground Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Powhatan Park Playground	GMax / HIC	***52***	***154***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Ruth Ann Lodato Playground	GMax / HIC	***179***	***246***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Simpson Park Playground	GMax / HIC	***107***	***733***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Stevenson Park Playground	GMax / HIC	***117***	***661***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Sunset Park Playground	GMax / HIC	***109***	***71***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Taney Park Playground	GMax / HIC	***41***	***133***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Tarleton Park Playground	GMax / HIC	***72***	***284***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Windmill Hill Park Playground	GMax / HIC	***77***	***345***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Woodbine Park Playground	GMax / HIC	***82***	***345***	All drop sites meet the requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of ≤ 200 GMAX and ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

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NATURAL TURF SURFACE TESTING

Natural Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Angel Park Softball	GMax / HIC	*122*	*462*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Armistead L. Boothe Softball	GMax / HIC	*122*	*462*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Armistead L. Boothe Rectangular	GMax / HIC	*56*	*421*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Ben Brenman Softball	GMax / HIC	*83*	*348*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Ben Brenman 60' Baseball	GMax / HIC	*85*	*329*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Ben Brenman Park Open Space	GMax / HIC	*78*	*129*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Beverly Park Open Space	GMax / HIC	*103*	*699*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Brookvalley Park Open Space	GMax / HIC	*85*	*502*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	N/A	N/A	N/A

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Natural Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Lenny Harris/Braddock Rd Field # 1	GMax / HIC	***92***	***472***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Lenny Harris/Braddock Rd Field # 2	GMax / HIC	***93***	***546***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Lenny Harris/Braddock Rd Field # 3	GMax / HIC	***103***	***562***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Lenny Harris/Braddock Rd Field # 4	GMax / HIC	***85***	***344***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Chambliss Park Open Space	GMax / HIC	***95***	***361***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Charles Barrett Softball	GMax / HIC	***115***	***586***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Chinquapin Field # 1	GMax / HIC	***116***	***644***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Chinquapin Field # 2	GMax / HIC	***86***	***404***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Chinquapin Field # 3	GMax / HIC	***97***	***506***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**

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Natural Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Frank Mann Field	GMax / HIC	***118***	***717***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Francis Hammond (Lower Field)	GMax / HIC	***140***	***786***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Four Mile Softball # 2	GMax / HIC	***94***	***483***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Four Mile Softball # 3	GMax / HIC	***82***	***342***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Four Mile Soccer	GMax / HIC	***102***	***505***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
G.W. School Field #1	GMax / HIC	***67***	***317***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
G.W. School Field #2	GMax / HIC	***86***	***370***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Luckett Field	GMax / HIC	***69***	***433***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
George Mason Softball # 1	GMax / HIC	***111***	***443***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**

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Natural Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
George Mason Softball # 2	GMax / HIC	***108***	***526***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
George Mason Rectangular	GMax / HIC	***108***	***526***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Goat Hill Park Open Space	GMax / HIC	***86***	***510***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
James Polk Softball	GMax / HIC	***75***	***337***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
James Polk Rectangular	GMax / HIC	***54***	***495***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Joesph Hensley Field #1	GMax / HIC	***107***	***536***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Joesph Hensley Field #2	GMax / HIC	***93***	***449***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Joesph Hensley Field #3	GMax / HIC	***98***	***364***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Joesph Hensley Soccer	GMax / HIC	***63***	***286***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**

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Natural Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
John Adams School	GMax / HIC	*88*	*388*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Lyles-Crouch Softball	GMax / HIC	*104*	*554*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Montgomery Park Open Space	GMax / HIC	*140*	*634*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Mt. Vernon Softball	GMax / HIC	*122*	*597*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Mt. Vernon Open Space	GMax / HIC	*111*	*613*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Nannie J Lee Softball	GMax / HIC	*127*	*509*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Nannie J Lee Open Space	GMax / HIC	*53*	*216*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Simpson 90' Baseball	GMax / HIC	*94*	*504*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A
Simpson 60' Baseball	GMax / HIC	*99*	*492*	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	N/A	N/A	N/A

CITY OF ALEXANDRIA VIRGINIA
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G-Max HIC Testing FY19 - April 2019

Natural Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Simpson Soccer #1	GMax / HIC	***86***	***406***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Simpson Soccer #2	GMax / HIC	***101***	***402***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Stevenson Softball	GMax / HIC	***98***	***512***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
William Ramsey Softball	GMax / HIC	***88***	***418***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
William Ramsey Open Space	GMax / HIC	***70***	***361***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**
Witter Softball	GMax / HIC	***101***	***476***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Head Injury Criteria as measured in the field, where all drops were ≤ 1,000 HIC	**N/A**	**N/A**	**N/A**

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SYNTHETIC TURF SURFACE TESTING							
Synthetic Turf Location	**Testing Procedure**	**GMAX AVG**	**HIC AVG**	**Notes**	**Mitigation**	**Retest GMAX**	**Retest HIC**
Douglas MacArthur Synthetic	GMax / HIC	***173***	***868***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Fort Ward Synthetic	GMax / HIC	***130***	***331***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Francis Hammond School Synthetic	GMax / HIC	***136***	***725***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Minnie Howard School Synthetic	GMax / HIC	***133***	***345***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
TC Williams School Synthetic	GMax / HIC	***153***	***797***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Jefferson Houston	GMax / HIC	***107***	***774***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Ben Brenman	GMax / HIC	***166***	***544***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Limerick	GMax / HIC	***75***	***165***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

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Synthetic Turf Location	Testing Procedure	GMAX AVG	HIC AVG	Notes	Mitigation	Retest GMAX	Retest HIC
Witter Field # 1	GMax / HIC	***75***	***156***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**
Witter Field # 2	GMax / HIC	***80***	***184***	Meets the requirements of ASTM F1936-10 for Impact Attenuation (Gmax) as measured in the field, where all drops were ≤ 200 Gmax Meets the requirements of CPSC for Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.	**N/A**	**N/A**	**N/A**

TESTING

Standard: ASTM F1292-13 - *This specification provides a uniform means of comparing the impact attenuation performance of installed playground surfaces with the performance requirements of this specification and with other performance requirements expressed in terms of drop height. Requirements set forth in CPSC Handbook for Public Playground Safety in accordance with ASTM F1292-13 of* ***≤ 200 GMAX and ≤ 1,000 HIC.***

Standard: ASTM F355a - *The results of this method quantify the impact attenuation of playing surface and system specimens under the specific test conditions. Impact Attenuation (HIC) where all drops were ≤ 1,000 HIC.*

Standard: ASTM F1936-10 - *This specification establishes a method for reporting test results and identifying areas within an existing turf playing system where impact attenuation measurements exceed required threshold values* ***≤ 200 Gmax****.*