



Sport Field Strategy

APPENDIX F & G

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LAND ACKNOWLEDGEMENT



We acknowledge that the sport fields and other facilities we discuss in this project are built on the unceded territories and homelands of the xʷməθkʷəy'əm (Musqueam), Skwkwú7mesh (Squamish), and səliłwətał (Tseil-Waututh) Nations. We thank them for continuing to care for these lands and waters since time immemorial. The Park Board recognizes its own legacy of colonialism, including the forced removal of Indigenous peoples from their lands to create parks and athletic facilities. This work aims to contribute to athletic facilities that better reflect and support local First Nations cultures and provide more equitable opportunities for Indigenous athletes and field users.

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APPENDIX F: RE-CLASSIFICATION OF SPORT FIELDS



Youth soccer team sitting in a circle with the coach

RECTANGULAR SPORT FIELDS

TABLE F1. RENEWED CLASSIFICATION SYSTEM - MASTER INVENTORY (RECTANGULAR FIELDS)

Synthetic		Class A-1		Class B-1		Class B-2		Class C		Class D	
Count	12	Count	3	Count	59	Count	16	Count	54	Count	7
Without Overlap	12	Without Overlap	0	Without Overlap	23	Without Overlap	3	Without Overlap	27	Without Overlap	5
Andy Livingstone Artificial Field E		Gaston Field S*		Adanac Field NW		Bobolink Field NW*		Beaconsfield Field Gravel		Brewers Field C	
Andy Livingstone Artificial Field W		Hillcrest Field N*		Adanac Field SE*		Stanley Park Brockton Cricket Field S		Braemar Field C*		Granville Field C	
Empire Artificial Field N		Hillcrest Field S*		Adanac Field Summer*		Stanley Park Brockton Cricket Field N		Stanley Park Brockton Field SW*		Jonathan Rogers Field C*	
Empire Artificial Field S				Adanac Field SW*		China Creek North Field C*		Charleson Field C		Memorial South Field SE*	
Eric Hamber HS Synthetic Turf				Balaclava Field Oval		Douglas Field E*		Clark Field C*		New Brighton Field N	
Hillcrest Field Mini NW				Balaclava Field SW*		Douglas Field E - Cricket Pitch*		Clinton Field Gravel		Killarney Field SE	
Jericho West Artificial Field				Beaconsfield Field SE		Douglas Field E North		Clinton Field NW*		David Lam Field C	

*Rectangular fields that overlap with a diamond

Synthetic	Class A-1	Class B-1	Class B-2	Class C	Class D
Memorial South Artificial Field		Beaconsfield Field SW*	Killarney Field EC*	Collingwood Field C*	
Point Grey HS Artificial Field		Bobolink Field SW*	Killarney Field C*	Columbia Field C*	
Trillium Artificial Field E		Stanley Park Brockton Field Oval	Mcbride Field C*	Columbia Field S*	
Trillium Artificial Field W		Carnarvon Field N*	Moberly Field S*	Earles Field C*	
Van Tech HS Artificial Field		Carnarvon Field S*	Quilchena Field SE*	Elm Field C*	
		Chaldecott Field NW*	Slocan Field C	Falaise Field N*	
		Chaldecott Field SW*	Strathcona Field W*	Garden Field C	
		Champlain Field C*	Templeton Field S*	General Brock Field N	
		Clinton Field SW	West Point Grey Field N*	George Field C	
		Connaught Field E*	West Point Grey Field S*	Gordon Field NE*	
		Connaught Field C*		Gordon Field NW*	
		Connaught Field W*		Gordon Field S*	
		Connaught Field NW		John Hendry Field Gravel*	
		Douglas Field W*		John Hendry Field NW*	

*Rectangular fields that overlap with a diamond

Synthetic	Class A-1	Class B-1	Class B-2	Class C	Class D
		Hillcrest Field E*		Jones Field C	
		Jericho Field E		Kerrisdale ES Field Gravel N*	
		John Hendry Field NE		Kerrisdale ES Field Gravel S*	
		Kensington Field N*		Killarney Field Gravel*	
		Kensington Field S*		Locarno Beach Field Gravel	
		Kerrisdale Field C*		McSpadden Field C*	
		Killarney Field Oval		Memorial West Field C*	
		Kingcrest Field C		Montgomery Field E*	
		Locarno Beach Field C*		Musqueam Field W	
		Memorial South Field NE*		Nanaimo Field E*	
		Memorial South Field NW*		Nanaimo Field W*	
		Memorial South Field Oval		Norquay Field S*	
		Moberly Field N		Oak Field E*	
		Montgomery Field W*		Oak Field Gravel	
		Musqueam Field E		Oak Field W	

*Rectangular fields that overlap with a diamond

Synthetic	Class A-1	Class B-1	Class B-2	Class C	Class D
		Quilchena Field NW*		Prince Edward Field C	
		Renfrew Field C		Prince of Wales Field C	
		Rupert Field C		Riley Field C*	
		Rupert Field S*		Robson Field C	
		Strathcona Field Oval		Ross Field C*	
		Strathcona Field EC*		Shannon Field C*	
		Sunrise Field C*		Strathcona Field Gravel	
		Slocan Field SW		Sunset / Henderson Field C	
		Tisdall Field N*		Templeton Field N*	
		Tisdall Field S*		Trafalgar Field SC*	
		Trafalgar Field C*		Woodland Field N*	
		Trafalgar Field E*		Woodland Field S	
		Trafalgar Field NW		Bobolink Field SE	
		Winona Field C		Musqueam Field NW	
		Winona Field N		Cartier Grass Area	

**Rectangular fields that overlap with a diamond*

Synthetic	Class A-1	Class B-1	Class B-2	Class C	Class D
		Winona Field S		Queen Elizabeth ES Field Gravel	
		Oak Meadows Field C		Maclean Field C	
		Trafalgar Cricket Pitch C*		Jericho Grass - E Festival Area	
		Memorial West Field SE			
		Carnarvon Field E Summer*			
		Carnarvon Field WC Summer*			
		Connaught Cricket Pitch E*			

**Rectangular fields that overlap with a diamond*

BALL DIAMONDS

TABLE F2. RENEWED CLASSIFICATION SYSTEM - MASTER INVENTORY (BALL DIAMONDS)

Synthetic		Class A-1		Class B-1		Class B-2		Class C	
Count	1	Count	16	Count	33	Count	23	Count	43
Without Overlap	1	Without Overlap	0	Without Overlap	6	Without Overlap	1	Without Overlap	7
Hillcrest Diamond SE - Challenger		Balaclava Diamond SW*		Balaclava Diamond SE*		Bobolink Diamond EC*		Stanley Park Brockton Diamond SW*	
		Gaston Diamond NW*		Beaconsfield Diamond SW*		Bobolink Diamond NE*		Clark Diamond S*	
		Kensington Diamond NE*		Carnarvon Diamond EC*		Bobolink Diamond NW*		Clinton Diamond NW*	
		Kensington Diamond SW*		Carnarvon Diamond NE		Bobolink Diamond SW*		Collingwood Diamond NW*	
		Kensington Diamond SE*		Carnarvon Diamond NW		Braemar Diamond SE*		Columbia Diamond NE*	
		Kensington Diamond NW*		Carnarvon Diamond SW*		China Creek Diamond NE*		Columbia Diamond SE*	
		Locarno Beach Diamond*		Chaldecott Diamond C*		China Creek Diamond NW*		Columbia Diamond WC*	
		Mcbride Diamond SE*		Chaldecott Diamond NW*		Douglas Field E Diamond SE*		Earles Diamond SW*	
		Mcbride Diamond SW*		Champlain Diamond NE*		Douglas Field E Diamond SC*		Gordon Diamond SW*	
		Memorial South Diamond C*		Champlain Diamond SW*		John Hendry Diamond EC		Gordon Diamond EC*	
		Memorial South Diamond NC*		Connaught Diamond NE*		Killarney Diamond C*		Gordon Diamond SE Centre*	

*Diamonds that overlap with a rectangular field

Synthetic	Class A-1	Class B-1	Class B-2	Class C
	Memorial South Diamond NW*	Connaught Diamond NW*	Killarney Diamond EC*	Gordon Diamond WC*
	Memorial South Diamond SE*	Connaught Diamond SC*	Memorial South Diamond NW*	Gordon Diamond NE*
	Memorial West Diamond C*	Connaught Diamond SE*	Montgomery Diamond NW*	Jericho Diamond N
	Memorial West Diamond E*	Douglas Diamond NW*	Montgomery Diamond SE*	John Hendry Diamond ES
		Douglas Diamond SW*	Montgomery Diamond SW*	John Hendry Diamond NW
		Elm Diamond NW*	Nanaimo Diamond SE*	John Hendry Diamond SW
		Falaise Diamond NE*	Strathcona Diamond NW*	John Hendry Field Gravel Diamond*
		Falaise Diamond S	Strathcona Diamond SW*	Jonathan Rogers Diamond NW*
		Hastings Diamond NE*	Templeton Diamond SE*	Killarney Diamond NW*
		Hastings Diamond SW	Trafalgar Diamond SE*	Killarney Diamond NE*
		Hillcrest Diamond NE*	Trafalgar Diamond SW*	Maple Grove Diamond NE*
		Hillcrest Diamond NW*	Trafalgar Diamond W*	Maple Grove Diamond SW*
		Hillcrest Diamond SW		Memorial West Diamond W
		John Hendry Diamond EN		Nanaimo Diamond NC*
		Kerrisdale Diamond NW*		Nanaimo Diamond NE*

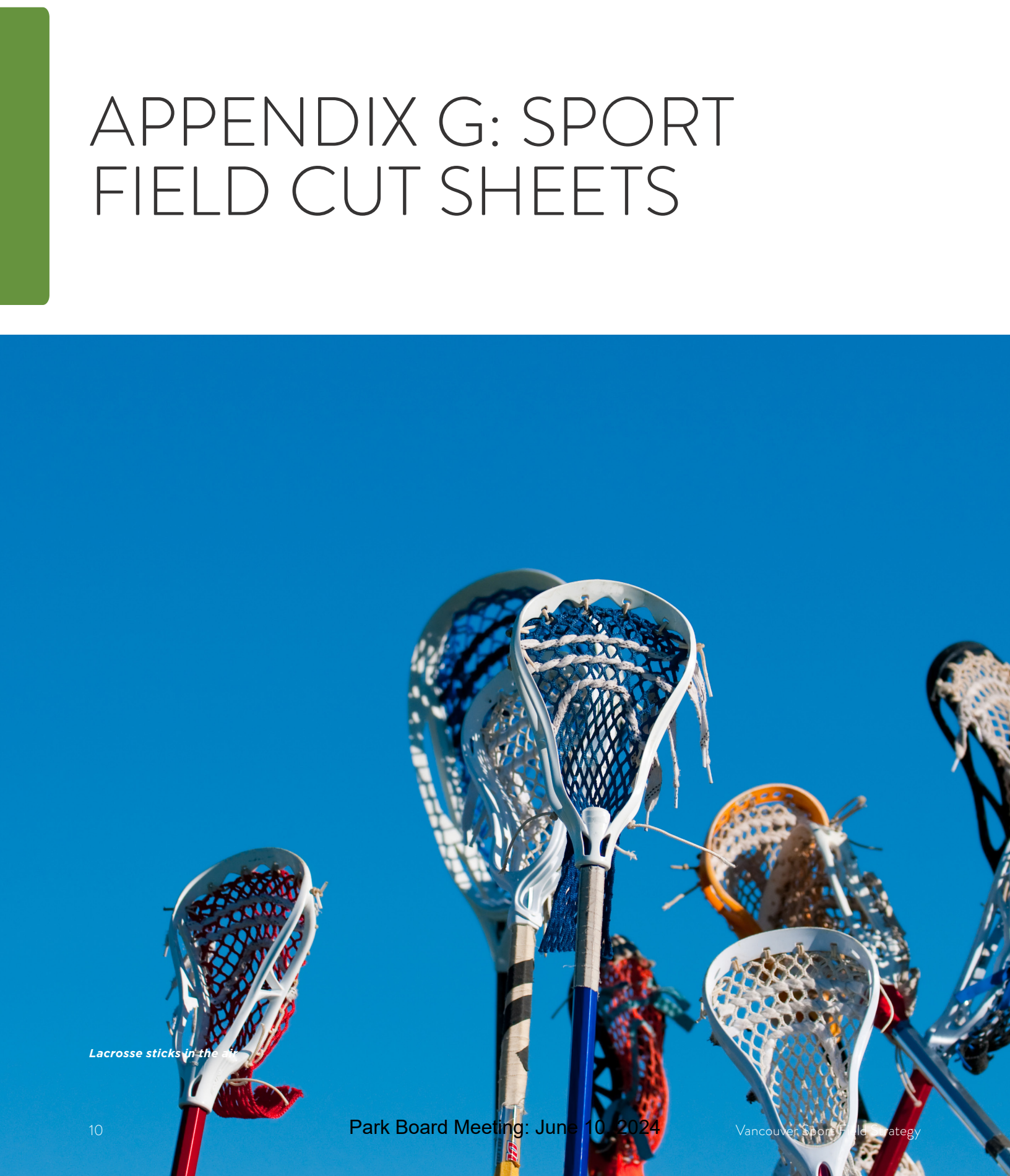
*Diamonds that overlap with a rectangular field

Synthetic	Class A-1	Class B-1	Class B-2	Class C
		Kerrisdale Diamond SE*		Nanaimo Diamond SW*
		Memorial South Diamond NE*		Norquay Diamond NE*
		Moberly Diamond SE*		Norquay Diamond SW*
		Moberly Diamond SW*		Oak Diamond NE*
		Rupert Diamond C*		Oak Diamond S
		Strathcona Diamond C*		Oak Diamond SE*
		Sunrise Diamond SE*		Quilchena Diamond C*
		Tisdall Diamond NE*		Quilchena Diamond SE*
		Tisdall Diamond SW*		Riley Diamond SW*
		Montgomery Diamond NE*		Ross Diamond NE*
				Shannon Diamond SE*
				West Point Grey Diamond NE*
				West Point Grey Diamond SE*
				West Point Grey Diamond SW*
				Woodland Diamond NW*
				Oak Diamond N

*Diamonds that overlap with a rectangular field

APPENDIX G: SPORT FIELD CUT SHEETS

Lacrosse sticks in the air



The following tables detail the rectangular field and ball diamond attributes of the renewed classification system and its alignment with best practices in sport field management, including:

- Basic Sport field specifications, maintenance, and other physical characteristics; and
- Management and experiential factors (e.g. identifying how each field will advance Sport for Life principles).

The classification of both rectangular fields and ball diamonds recognizes the unique characteristics and needs of both surface types and field amenities. Aligning the inventory to the renewed classification system also provide a consistent point of reference for capital planning and design, especially through the standardization of synthetic turf, Class A and Class B1 and B2 fields.

These tables can be used to help Park Board recreation, planning, park development and park operations understand the renewed classification system by field/diamond class and it's associated attributes and amenities when renewing, upgrading or developing a new field/diamond. Detailed specifications will be prepared for construction and /or renewal of individual fields at time of development.

RECTANGULAR FIELDS

TABLE G1. RECTANGULAR FIELD ATTRIBUTES OVERVIEW

Field Class	Sports Turf Canada Field Class Equivalent	Field Structure	Field Civil Infrastructure - STM & WTR	Amenities								
				Washroom	HUB Site Fieldhouse*	STF / Class A Fieldhouse*	Community Sport Fieldhouse*	Storage	Lights	Water / Drinking Fountain	Sport Furniture - Player Benches, Bleachers	Sport Fitments - Goals, bases, backstops, fencing
Rating Scale		Open Text	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional	Yes / No / Optional
Synthetic Turf Field	N / A	Synthetic Turf	Drainage Required, Irrigation Optional (Based on Sport)	Yes	Yes - if field part of Hub Site	Yes	No	Yes	Yes	Yes	Yes	Yes
Class A	Class 1	Sand - based Natural Grass	Drainage & Irrigation Required	Yes	Yes - if field part of Hub Site	Yes	No	Yes	Optional	Yes	Yes	Yes
Class B-1	Class 2	Soil - based Natural Grass	Drainage & Irrigation Required	Yes	No	No	Yes	Yes	No	Yes	Optional	Optional
Class B-2	Class 4	Soil - based Natural Grass	Drainage & Irrigation Optional	Yes	No	No	Yes	Yes	No	Yes	Optional	Optional
Class C	Class 5	Variable - Natural Grass or Gravel	No	Yes	No	No	No	Yes	No	Optional	No	No
Class D (Proposed New Class) Specialty / Spontaneous	N / A	Variable - Natural Grass, Synthetic Turf, Hard surface	Optional	Yes	No	No	No	No	Optional	No	No	No

*See page 50 for Fieldhouse type definitions.

TABLE G1. RECTANGULAR FIELD ATTRIBUTES OVERVIEW (CONTINUED)

Field Class	Sport Utilization	Best Practices	Field Size	Fees	Bookable	Program Use	Operation & Maintenance Input	LTD Focus
Rating Scale	Hrs	Recommended Seasonal hours allocation - Further Discussion	Open Text	\$ Charged	Yes / No	Open Text	\$	Levels
Synthetic Turf Field	3,000	3,000 hr per year (Based on stand industry warranty period)	Regulation Field Size	\$\$\$\$	Yes	Sport Use Only	\$\$\$\$	All
Class A	600	Permitted: 400 Hrs / Season Rest period: May need significant time for restoration	Regulation Field Size	\$\$\$	Yes	Sport Use Only	\$\$\$\$	Train to Win Compete & Train Active for Life
Class B-1	600	Permitted: 300 Hrs / Season	Regulation Field Size	\$\$\$	Yes	Variable - Sport, Special Event Use	\$\$\$	Learn to Train Active for Life Fundamentals
Class B-2	300	Permitted: 150 Hrs / Season	Non-Regulation / Mini Games	\$\$	Yes	Variable - Sport, Special Event Use	\$\$	Learn to Train Active for Life Fundamentals
Class C	Variable - Site Specific on field surface	Variable	Non-Regulation	\$	Yes	Variable - Sport, Special Event Use	\$ - As Needed	Active Start First Involvement Active for Life
Class D (Proposed New Class) Specialty / Spontaneous	N / A	N / A	N / A	\$	No - First Come First Serve	Spontaneous	\$ - As Needed	N / A

SYNTHETIC TURF FIELDS

TABLE G2. ATTRIBUTE OVERVIEW

Field Class	STF	Synthetic turf surface intended for sport use with highest sport performance requirements, national or international use regardless of rainfall.
Sports Turf Canada Field Class Equivalent	N / A	
	Synthetic Turf	Synthetic turf surface over a shock pad best rated and compatible for the dominant sport permitted at the location. Turf and pad are placed on a flat (0% slope) free draining aggregate base. Turf fibre, infill and pad to be determined by field designer to suit intended sport of play. Turf infill to be an alternative to SBR Crumb Rubber. Requires strong environmentally sensitive characteristics.
Field Civil Infrastructure - STM & WTR	Drainage Required, Irrigation Optional (Based on Sport)	Drainage laterals placed every 3m-6 m along the main line and is project specific to meet stormwater design criteria for field of play.

TABLE G3. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse located within the park.
Lights	Yes	Sports field lighting per field lighting notes, with supplemental security lighting around outside of field perimeter. Lighting to meet performance standard of the sport the field is predominately intended for.
Storage	Yes	In a location that is easy to access, yet not intrusive to the overall use and aesthetic of the facility Fieldhouses be used for storage where feasible. Storage boxes should be able to fit training equipment and field marking items and should not exceed the size of 60”L x 28”H x 24”D. Storage boxes should be kept outside the field of play and mounted on a concrete pad.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 50 m of field.
Sport Furniture - Player Benches, Bleachers	Yes	2 covered dugouts with players benches. Bleachers for spectator seating.
Sport Fitments - Goals, Ball Control & Perimeter Fencing	Yes	All goals or nets to be portable. Minimum of 2 regulation size soccer nets and 4 mini soccer nets, and 2 lacrosse nets at locations where lacrosse is permitted. Ball control fencing to be installed behind goal area for user and public safety, height will be suited to site. Additional perimeter fencing around field to support park user safety and to deter activity not aligned with sport use.
Sport Utilization	3,380 hrs / year	Average 65 hours prime time per week = 1,430 spring and summer hours per field / 1,950 fall and winter hours per field (3,380 total hours per field). <i>*This is based on prime time capacity</i>
Field Size	Full Size Regulation for Sport	Full Size Soccer Field - Minimum 64 m x100 m Playing Field + 3 m runout safety zone = 70mx110 m -including safety zone. Warm up area adjacent to field. Fields sizes can be made sport specific.

Amenities		Criteria
Field Lines		<p>Specific sport field lines to be determined on a field by field basis.</p> <p>No more than 3 sets of markings.</p> <p>1 to 3 sets of stitched in field markings per each sport's standards in field markings.</p> <p>Recommended colours: soccer - White, Mini Soccer - Grey or Black; Unified LAX - Men's Blue, Women's Red, Field hockey - Yellow, Football - White, Rugby Red. Where sports are same color, can be adjusted on site by site basis for which field priorities are determined.</p>
Fees	\$\$\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Sport Use Only	<p>Suitable tournament play, game play, practice, exhibition play.</p> <p>High intensity small area games are permitted (i.e. mini soccer).</p>
Operation & Maintenance Input	\$\$\$\$	<p>Weekly - Fill high use penalty kick areas and corner kicks as needed. Additionally top up infill and groom for special events.</p> <p>Operation & Maintenance manual for each turf field supplier will outline keys maintenance items.</p>

CLASS A FIELDS

TABLE G4. ATTRIBUTE OVERVIEW

Field Class	Class A	Natural turf surface intended for sport use with highest sport performance requirements, national or international use regardless of rainfall.
Sports Turf Canada Field Class Equivalent	Class 1	
Field Structure	Sand - based Natural Grass	Field Structure is 450mm - 300mm sand - 150mm rootzone. Soil composition to be a minimum of 80% sand, 5-20% organic amendment, and achieve a final mix containing less than 8% total silt plus clay. Sand composition to be uniform and a minimum 60% medium (0.25-0.5mm), 20%+ fine (0.15-0.25mm), limited coarse (0.5mm-1.0mm).
Field Civil Infrastructure - STM & WTR	Drainage & Automated Irrigation Required	Drainage pipes to follow the downward slope of subsoil, either perpendicular to diagonally to the main drainage line. Laterals placed every 5-6 m along the main line. Irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use. Automated irrigation system programmed to irrigate in early morning hours. All new fields / field renewals will be required to fall within RainCity guidelines.

TABLE G5. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse located within the park.
Lights	Optional	See lighting notes for design criteria. Lighting natural grass fields may have additional costs to Operation & Maintenance costs due to higher demand on field.
Storage	Yes	In a location that is easy to access, yet not intrusive to the overall use and aesthetic of the facility. Fieldhouses be used for storage where feasible. Storage boxes should be able to fit training equipment and field marking items and should not exceed the size of 60”L x 28”H x 24”D. Storage boxes should be kept outside the field of play and mounted on a concrete pad.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 50 m of field.
Sport Furniture - Player Benches, Bleachers	Yes	Minimum 2 players benches per field. Minimum 1 bleacher or spectator seating area.
Sport Fitments - Goals, Ball Control & Perimeter Fencing	Yes	Sport goals or nets to be portable. Ball control fencing to be installed behind goal area for user and public safety. Additional perimeter fencing around field to support park user safety and to deter activity not aligned with sport use.
Sport Utilization	600	Avg. 14 hours per week = 250 spring and summer hours / 350 fall and winter hours.
Field Size	Full Size Regulation for Sport	Full size soccer field - minimum 64 m x100 m playing field + 3 m runout safety zone = 70mx110 m - including safety zone. Warm up area adjacent to field. Field sizes can be made sport specific.
Field Lines		Use proper lining material (not salt) and adjusting fields with mobile goals to avoid extensive wear.
Fees	\$\$\$	Refer to Strategy document - Direction #2.

Amenities		Criteria
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Sport Use Only	Primarily game play. Suitable tournament play, game play, and exhibition play. High intensity small areas games are not permitted (i.e. mini soccer).
Operation & Maintenance Input	\$\$\$\$	<p>Soil Testing - Recommended to perform a soil analysis annually prior to the addition of material or fertilizers.</p> <p>Grass Cutting - Mow regularly during growing season - approx. 2 per week depending on the sport. Cut back to grass height of 50-60 mm. Only mow with sharp blades.</p> <p>Fall Start Up Top dress and fill in any depressions prior to seeding. Seed fields ideally from mid-August to mid-September. October and November if it is warm. Apply seeding rate at 1.5 - 2kg seed / 100 m2. Use irrigation system to keep the seed bed moist until germination and establishment are complete. Particularly between the hours of 10 am and 8pm. Aeration performed with a coring machine equipped with 18mm hollow tynes with spacing at 62 mm by 62 mm. Cores broken up with drag matting.</p> <p>Winter shut down - Dormant seeding or sprigging in the winter after frost has left the ground and prior to May 15th.</p> <p>Rest Period - 2-3 months with a growing season (growing season is March through October). Longer recuperation periods following intensive use days, such as tournaments as needed based on repairs required.</p>

CLASS B-1 FIELDS

TABLE G6. ATTRIBUTE OVERVIEW

Field Class	Class B-1	Natural turf surface intended for sport use with quality sport performance requirements for community or regional play. Reduced field requirements than Class A, play maybe cancelled due to weather or surface wear.
Sports Turf Canada Field Class Equivalent	Class 2	
Field Structure	Soil - based Natural Grass	Field structure is minimum 300mm (450mm preferred). Root zone material with less than 25% silt plus clay, greater than 3% organic matter, and contain less than 5% carbonates.
Field Civil Infrastructure - STM & WTR	Drainage & Irrigation Required	<p>Drainage pipes to follow the downward slope of subsoil, either perpendicular to diagonally to the main drainage line. Recommended for laterals to be placed every 5-6 m along the main line. Add additional drainage lines per recommendation. If existing fields drain adequately, no additional drainage is necessary.</p> <p>Irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use. Recommended to be an automated system programmed to irrigate in early morning hours.</p>

TABLE G7. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse.
Lights	No	As some existing fields have lighting, when renewals are required, field lighting should be removed for this level of field. If field renewals are changing to a new field classification, refer to that design criteria.
Storage	Optional	In a location that is easy to access, yet not intrusive to the overall use and aesthetic of the facility. Fieldhouses be used for storage where feasible. Storage boxes should be able to fit training equipment and field marking items and should not exceed the size of 60”L x 28”H x 24”D. Storage boxes should be kept outside the field of play and mounted on a concrete pad.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 50 m of field.
Sport Furniture - Player Benches, Bleachers	Optional	Minimum 2 players benches per field. Minimum 1 bleacher or spectator seating area.
Sport Fitments - Goals & Ball Control Fencing	Optional	All goals or nets to be portable. Ball control fencing to be installed behind goal area for user and public safety.
Sport Utilization	600	Avg. 12 hours per week = 300 spring and summer hours / 300 fall and winter hours.
Field Size	Full Size Regulation for Sport	Full size soccer field - minimum 64 m x 100 m playing field + 3 m runout safety zone = 70 m x 110 m - including safety zone. Warm up area adjacent to field. Fields sizes can be made sport specific.
Fees	\$\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.

Amenities		Criteria
Program Use	Variable	Mixed use between game and training activities. Primarily sport use, with occasional special event. Suitable tournament play, game play, practice, exhibition play. High intensity small areas games are permitted (i.e. mini soccer).
Operation & Maintenance Input	\$\$\$	<p>Soil Testing - Recommended to perform a soil analysis annually prior to the addition of material or fertilizers.</p> <p>Grass Cutting - Mow regularly during growing season - approx. 2 per week depending on the sport. Cut back to grass height of 50-60 mm. Only mow with sharp blades.</p> <p>Fall Start Up Top dress and fill in any depressions prior to seeding. Seed fields ideally from mid-August to mid-September. October and November if it is warm. Apply seeding rate at 1.5 - 2kg seed / 100 m2. Use irrigation system to keep the seed bed moist until germination and establishment are complete. Particularly between the hours of 10 am and 8pm. Aeration performed with a coring machine equipped with 18mm hollow tynes with spacing at 62 mm by 62 mm. Cores broken up with drag matting.</p> <p>Winter shut down - Dormant seeding or sprigging in the winter after frost has left the ground and prior to May 15th.</p> <p>Rest Period - 2-3 months with a growing season (growing season is March through October). Longer recuperation periods following intensive use days, such as tournaments as needed based on repairs required.</p>

CLASS B-2 FIELDS

TABLE G8. ATTRIBUTE OVERVIEW

Field Class	Class B-2	Natural turf surface intended for sport use with quality sport performance requirements for community play. Reduced field requirements than Class B-1, bookings impacted by surface conditions and weather.
Sports Turf Canada Field Class Equivalent	Class 4	
Field Structure	Soil - based Natural Grass	Field structure is minimum 300mm (450mm preferred). Soil is a well structured top soil containing 25%-35% silt plus clay, having greater than 3% organic matter, and less than 5% carbonates. For locations where in situ soil is 36-45% silt plus clay, not for intensive use.
Field Civil Infrastructure - STM & WTR	Drainage & Irrigation Optional	Drainage pipes to follow the downward slope of subsoil, either perpendicular to diagonally to the main drainage line. Recommended for laterals to be placed every 5-6 m along the main line. Add additional drainage lines per recommendation. If existing fields drain adequately, no additional drainage is necessary. Irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use. Recommended to be an automated system programmed to irrigate in early morning hours.

TABLE G9. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse.
Lights	No	As some existing fields have lighting, when renewals are required, field lighting should be removed for this level of field. If field renewals are changing to a new field classification, refer to that design criteria.
Storage	Yes	In a location that is easy to access, yet not intrusive to the overall use and aesthetic of the facility. Fieldhouses be used for storage where feasible. Storage boxes should be able to fit training equipment and field marking items and should not exceed the size of 60”L x 28”H x 24”D. Storage boxes should be kept outside the field of play and mounted on a concrete pad.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 100 m of field.
Sport Furniture - Player Benches, Bleachers	Optional	Minimum 2 players benches per field. Minimum 1 bleacher or spectator seating area.
Sport Fitments - Goals & Ball Control Fencing	Optional	All goals or nets to be portable. Ball control fencing to be installed behind goal area for user and public safety.
Sport Utilization	300	150 Hrs / season.
Field Size	Non-Regulation / Mini Games	Fields can be divided for non-regulation or mini-games.
Fees	\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Variable	Primarily training and practice. Primarily sport use, with other uses permitted for special events, or non-standard games, practices or training. High intensity small areas games are permitted (i.e. mini soccer).

Amenities		Criteria
<p>Operation & Maintenance Input</p>	<p>\$\$</p>	<p>Soil Testing - Recommended to perform a soil analysis annually prior to the addition of material or fertilizers.</p> <p>Grass Cutting - Mow regularly during growing season - approx. 2 per week depending on the sport. Cut back to grass height of 50-60 mm. Only mow with sharp blades.</p> <p>Fall Start Up Top dress and fill in any depressions prior to seeding. Seed fields ideally from mid-August to mid-September. October and November if it is warm. Apply seeding rate at 1.5 - 2kg seed / 100 m2. Use irrigation system to keep the seed bed moist until germination and establishment are complete. Particularly between the hours of 10 am and 8pm. Aeration performed with a coring machine equipped with 18mm hollow tynes with spacing at 62 mm by 62 mm. Cores broken up with drag matting.</p> <p>Winter shut down - Dormant seeding or sprigging in the winter after frost has left the ground and prior to May 15th.</p> <p>Rest Period - 2-3 months with a growing season (Growing season is March through October). Longer recuperation periods following intensive use days, such as tournaments as needed based on repairs required.</p>

CLASS C FIELDS

TABLE G10. ATTRIBUTE OVERVIEW

Field Class	Class C	Natural turf surface intended for casual use for neighbourhood and spontaneous play. Reduced field requirements than Class B-2, bookings impacted by surface conditions and weather. Fields require minimal capital and Operation & Maintenance investment.
Sports Turf Canada Field Class Equivalent	Class 5	
Field Structure	Variable - Natural Grass or Gravel	Natural grass criteria: Sites where in situ soil may contain 36-45% silt plus clay in the first 300mm of the root zone material. Conditions may be improved with installation of silt drains. Root zone material shall be well structured top soil of any texture greater than sandy loam, have greater than 3% organic matter, and contain less than 5% carbonates. Gravel criteria: Compacted granular aggregate screenings.
Field Civil Infrastructure - STM & WTR	No	

TABLE G11. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom only.
Lights	No	As some existing fields have lighting, when renewals are required, field lighting should be removed for this level of field. If field renewals are changing to a new field classification, refer to that design criteria.
Storage	Yes	In a location that is easy to access, yet not intrusive to the overall use and aesthetic of the facility. Storage boxes should be able to fit training equipment and field marking items and should not exceed the size of 60”L x 28”H x 24”D. Storage boxes should be kept outside the field of play and mounted on a concrete pad.
Water / Drinking Fountain	Optional	Water fountain located within the park.
Sport Furniture - Player Benches, Bleachers	No	
Sport Fixtures - Goals	No	
Sport Utilization	Variable	Site specific on field surface.
Field Size	Non-Regulation	Fields can be divided for non-regulation mini-games.
Fees	\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Variable	Sport and casual use, with other uses permitted for special events, or non-standard games, practices or training.
Operation & Maintenance Input	\$	<p>Soil Testing - As required based on use.</p> <p>Grass Cutting - Mow as needed during growing season - approx. every 2 per month depending on usage. Cut back to grass height of 60-65 mm.</p> <p>Fall Start Up - As required based on use.</p> <p>Winter shut down - As required based on use.</p> <p>Rest Period - As required based on use.</p>

CLASS D FIELDS

TABLE G12. ATTRIBUTE OVERVIEW

Field Class	Class D	Field surfaces for specialty purpose reflective of the park context and / or primarily dedicated to special events or spontaneous use.
Sports Turf Canada Field Class Equivalent	N / A	
Field Structure	Variable	Natural grass, synthetic turf, hard surface.
Field Civil Infrastructure - STM & WTR	Optional	As required based on surface type.

TABLE G13. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom only.
Lights	Optional	Lighting as needed based on surface type.
Storage	No	
Water / Drinking Fountain	No	
Sport Furniture - Player Benches, Bleachers	No	
Sport Fitments - Goals	No	
Sport Utilization	N / A	No sport utilization assigned.
Field Size	N / A	No specific sport field assigned.
Fees	\$	Refer to Strategy document - Direction #2.
Bookable	No	Refer to Strategy document - Direction #3 (first come first serve).
Program Use	Spontaneous	No programmed use assigned.
Operation & Maintenance Input	\$	<p>Soil Testing - As required based on use.</p> <p>Grass Cutting - Mow as needed during growing season - approx. every 2 per month depending on usage. Cut back to grass height of 60-65 mm.</p> <p>Fall Start Up - As required based on use.</p> <p>Winter shut down - As required based on use.</p> <p>Rest Period - As required based on use.</p>

SPORT FIELD SIZES

TABLE G14. FULL SIZE PLAYING FIELDS BY SPORT

SPORT	PLAYING FIELD AREA (NO SAFETY ZONE)	PLAY SURFACE AREA (INCL. SAFETY ZONE)
SOCCER	68.00 m X 105.00m	70.00 m X 110.00m
FOOTBALL (Canadian)	65 YDS (59.436m) X 150 YDS (137.16m)	71.562 YDS (65.436m) X 160.932 YDS (147.156m)
FOOTBALL (American)	53.33 YDS (48.768m) X 120 YDS (109.728m)	59.895 YDS (54.768m) X 130.936 YDS (119.728m)
FIELD HOCKEY	55.00 m X 91.40m	61.00 m X 101.40m
CRICKET (OVAL INFIELD)	Infield MIN. 118.86 m x 128.00 m (Men), MAX. Boundry of 90 yards (82.29m)	Min.124.34 m x 132.94 m (MEN)
RUGBY	MAX. 70.00 m X 144.00m	80.00 m X 154.00m
ULTIMATE	37.00 m X 100.00m	46.144 m X 109.144m
LACROSSE (UNIFIED)	60 YDS (54.86m) X 120 YRD (109.73m)	76 YDS (69.49m) X 130 YDS (118.87m)
Gaelic FOOTBALL	MAX. 145.00m X 90.00m	147m X 95m

BALL DIAMONDS

TABLE G15. BALL DIAMOND ATTRIBUTES

Field Class	Outfield Structure	Infield Structure	Field Civil Infrastructure - STM & WTR	Amenities											
				Washroom	HUB Site Fieldhouse*	STF/Class A Fieldhouse*	Community Sport Fieldhouse*	Storage	Lights	Water/ Drinking Fountain	Base Cut Outs	Outfield Fence	Sport Furniture - Player Benches, Bleachers	Sport Fitments - Bases, Backstops	
Rating Scale	Open Text	Open Text	Yes / No / Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Optional	Yes/No/ Temp	Yes/No/ Optional	Yes/No/ Optional	
STF (Synthetic Turf Field)	Synthetic Turf	Synthetic Turf	Drainage Required, Irrigation Optional (Based on Sport)	Yes	Yes - if field part of Hub Site	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Class A Single Use Sport - Baseball or Softball	Sand - based Natural Grass	Clay / gravel screenings	Drainage & Irrigation Required	Yes	Yes - if field part of Hub Site	Yes	No	Yes	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Class B-1 Multi Sport (Baseball, Softball, Slo-Pitch)	Soil - based Natural Grass	Variable - Natural Grass, gravel screenings	Drainage & Irrigation Required	Yes	No	No	Yes	Yes	No	Yes	Optional	Temp	Optional	Optional	Optional
Class B-2 Multi Sport (Baseball, Softball, Slo-Pitch)	Soil - based Natural Grass	Variable - Natural Grass, gravel screenings	Not Required, but optional	Yes	No	No	Yes	Yes	No	Yes	Optional	Temp	Optional	Optional	Optional
Class C Neighbourhood (Spontaneous)	Variable - Natural Grass or Gravel	Variable - Natural Grass, gravel	No	Yes	No	No	No	Yes	No	Optional	No	No	No	No	No

*See page 50 for Fieldhouse type definitions.

TABLE G15. BALL DIAMOND ATTRIBUTES (CONTINUED)

Field Class	Sport Utilization	Field Size	Fees	Bookable	Program Use	Operation & Maintenance Input	LTD
Rating Scale	Hrs	Open Text	\$ Charged	Yes / No	Open Text	\$	Levels
STF (Synthetic Turf Field)	3,000	Full Size Regulation for Sport / Non-Regulation	\$\$\$\$	Yes	Sport Use Only	\$\$\$\$	All
Class A Single Use Sport - Baseball or Softball	600	Full Size Regulation for Sport	\$\$\$	Yes	Sport Use Only	\$\$\$\$	Train to Win Compete & Train Active for Life
Class B-1 Multi Sport (Baseball, Softball, Slo-Pitch)	600	Non-Regulation / Mini Games	\$\$\$	Yes	Variable - Sport, Special Event Use	\$\$\$	Learn to Train Active for Life Fundamentals
Class B-2 Multi Sport (Baseball, Softball, Slo-Pitch)	300	Non-Regulation / Mini Games	\$\$	Yes	Variable - Sport, Special Event Use	\$\$	Learn to Train Active for Life Fundamentals
Class C Neighbourhood (Spontaneous)	Variable - Site Specific on field surface	Non-Regulation	\$	No - First Come First Serve	Variable - Sport, Special Event Use	\$	Active Start First Involvement Active for Life

SYNTHETIC TURF DIAMONDS

TABLE G16. ATTRIBUTE OVERVIEW

Field Class	STF	Synthetic turf surface intended for sport use with highest sport performance requirements, national or international adult use regardless of rainfall.
Outfield Structure	Synthetic Turf	<p>Synthetic turf surface over a shock pad. Turf and pad are placed on a flat (0% slope) free draining aggregate base.</p> <p>Turf fibre, infill and pad to be determined by field designer to suit intended sport of play.</p> <p>Turf infill to be an alternative to SBR crumb rubber.</p> <p>Requires strong environmentally sensitive characteristics.</p>
Infield Structure	Synthetic Turf	Same as outfield.
Field Civil Infrastructure - STM & WTR	Drainage Required, Irrigation Optional (Based on Sport)	<p>Drainage laterals placed every 3m-6 m along the main line and is project specific to meet stormwater design criteria for field of play.</p> <p>Where required, irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use.</p>

TABLE G17.AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse located within the park.
Lights	Yes	Typical 6 sports field lights per field with uplighting for ball trajectory tracking with supplemental security lighting around outside of field perimeter. See lighting notes for additional criteria.
Storage	Yes	Storage boxes should be able to fit hand tools (i.e. rakes / shovels) for infield repairs, 2-3 bags of field marking materials and equipment, and sport use equipment such as bases. Storage boxes should not exceed the size of 60"L x 60"H x 24"D. Storage boxes should be kept outside the field of play and mounted on a concrete pad. Fieldhouses be used for storage where feasible.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 50 m of field.
Base Cut Outs	No	
Outfield Fence	No	Portable outfield fencing permitted. Location, height and extents of fencing reflective of sport and age level, see ball diamond sizes table (Table G26) for regulation sizes.
Sport Furniture - Dugouts with Player Benches, Bleachers	Yes	2 covered dugouts with players benches. Bleachers for spectator seating.
Sport Fitments - Bases, backstops	Yes	Portable mound recommended. Bases to be secured with base anchors. Backstops to be reflective of sport and age level.
Sport Utilization	3,000	65 hours prime time per week = 1,430 spring and summer hours per field / 1,950 fall and winter hours per field (3,380 total hours per field) <i>*This is based on prime time capacity</i>
Field Size	Full Size Regulation for Sport / Non-Regulation	See ball diamond sizes table (Table G26) for regulation sizes.

Amenities		Criteria
Fees	\$\$\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Sport Use Only	Suitable tournament play, game play, practice, exhibition play.
Operation & Maintenance Input	\$\$\$\$	Weekly - infill top up; and litter pick up; monthly - grooming / brushing, seasonal - infill top up and levelling, and annual heavy groom. Additionally grooming for special events. Operation & Maintenance manual for each turf field supplier will outline keys maintenance items.

CLASS A DIAMONDS

TABLE G18. ATTRIBUTE OVERVIEW

Field Class	Class A	<p>Natural turf surface intended for sport use with highest sport performance requirements, national or international adult use regardless of rainfall.</p> <p>Single use diamond sport - baseball or softball.</p>
Outfield Structure	Sand - based Natural Grass	<p>Field structure is 450mm - 300mm sand - 150mm root zone.</p> <p>Soil composition to be a minimum of 80% sand, 5-20% organic amendment, and achieve a final mix containing less than 8% total silt plus clay.</p> <p>Sand composition to be uniform and a minimum 60% medium (0.25-0.5mm), 20%+ fine (0.15-0.25mm), limited coarse (0.5mm-1.0mm).</p>
Infield Structure	Aggregate	Specialized clay, gravel screenings, or infield mixes.
Field Civil Infrastructure - STM & WTR	Drainage & Irrigation Required	<p>Drainage pipes to follow the downward slope of subsoil, either perpendicular to diagonally to the main drainage line. Laterals placed every 5-6m along the main line.</p> <p>Irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use. Recommended to be an automated system programmed to irrigate in early morning hours.</p> <p>Add additional drainage lines per recommendation. If existing fields drain adequately, no additional drainage is necessary.</p>

TABLE G19. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse located within the park.
Lights	Optional	See lighting notes for design criteria.
Storage	Yes	Storage boxes should be able to fit hand tools (i.e. rakes / shovels) for infield repairs, 2-3 bags of field marking materials and equipment, and sport use equipment such as bases. Storage boxes should not exceed the size of 60"L x 60"H x 24"D. Storage boxes should be kept outside the field of play and mounted on a concrete pad. Fieldhouses be used for storage where feasible.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 50 m of field.
Base Cut Outs	Yes	Turf cut out for bases and bade paths with aggregate surface.
Outfield Fence	Yes	4' height permanent outfield fencing with protective top rail per regulation size, see ball diamond sizes table (Table G26) for regulation sizes.
Batting Cages, Pitching Boxes, Scoring Boxes / Towers	Required	Batting cage and pitching box lengths to match the level of play of the diamond, from pitchers mound to home plate with additional room for safety and equipment. Batting cage and pitching box perimeter to be fenced and covered. Scoring boxes / towers should be placed directly behind backstops in line with pitching mound and home plate. Recommend secured storage for batting equipment to be located within the same enclosure or in close proximity.
Scoreboards	Required	Maybe permanent or mobile. Permanent scoreboards must be located outside the field of play and visible from scoring boxes / tower.
Sport Furniture - Dugouts with Player Benches, Bleachers	Yes	Dugouts with players benches. Bleachers for spectator seating.

Amenities		Criteria
Sport Fitments - Bases, backstops	Yes	<p>Mound required for baseball.</p> <p>Foul Poles required.</p> <p>Bases to be secured with base anchors.</p> <p>Backstops to be reflective of sport and age level.</p> <p>Backstop size to be adjusted per individual field surrounding conditions, e.g. adjacent buildings, roads and pathways.</p>
Sport Utilization	600	<p>14 hours per week = 250 spring and summer hours / 350 fall and winter hours.</p> <p>Stand alone Class A diamond may have the hours increased.</p> <p>Diamonds that overlap with other rectangular fields should be reflective of the rectangular field.</p>
Field Size	Full Size Regulation for Sport	See ball diamond sizes table (Table G26) for regulation sizes.
Fees	\$\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Sport Use Only	Primarily game play. Suitable tournament play, game play, practice, exhibition play.

Amenities		Criteria
<p>Operation & Maintenance Input</p>	<p>\$\$\$\$</p>	<p>Soil Testing - Recommended to perform a soil analysis annually prior to the addition of material or fertilizers.</p> <p>Grass Cutting - Mow regularly during growing season - approx. 2 per week depending on the sport. Cut back to grass height of 50-60 mm. Only mow with sharp blades.</p> <p>Fall Start Up Top dress and fill in any depressions prior to seeding. Seed fields ideally from mid-August to mid-September. October and November if it is warm. Apply seeding rate at 1.5 - 2kg seed / 100 m2. Use irrigation system to keep the seed bed moist until germination and establishment are complete. Particularly between the hours of 10 am and 8pm. Aeration performed with a coring machine equipped with 18mm hollow tynes with spacing at 62 mm by 62 mm. Cores broken up with drag matting.</p> <p>Winter shut down - Dormant seeding or sprigging in the winter after frost has left the ground and prior to May 15th.</p> <p>Rest Period - 2-3 months with a growing season (Growing season is March through October). Longer recuperation periods following intensive use days, such as tournaments as needed based on repairs required.</p>

CLASS B-1 DIAMONDS

TABLE G20. ATTRIBUTE OVERVIEW

Field Class	Class B-1	<p>Natural turf surface intended for sport use with quality sport performance requirements for community or regional play. Reduced field requirements than Class A, play maybe cancelled due to weather or surface wear.</p> <p>Multi sport (baseball, softball, slo-pitch).</p>
Outfield Structure	Soil - based Natural Grass	<p>Outfield may overlap with rectangular field of same field classification.</p> <p>Field structure is minimum 300mm (450mm preferred).</p> <p>Root zone material with less than 25% silt plus clay, greater than 3% organic matter, and contain less than 5% carbonates.</p>
Infield Structure	Variable	<p>Natural grass or aggregate - specialized clay, gravel screenings, or infield mixes.</p>
Field Civil Infrastructure - STM & WTR	Drainage & Irrigation Required	<p>Drainage pipes to follow the downward slope of subsoil, either perpendicular to diagonally to the main drainage line. Laterals placed every 5-6m along the main line.</p> <p>Irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use. Recommended to be an automated system programmed to irrigate in early morning hours.</p> <p>Add additional drainage lines per recommendation. If existing fields drain adequately, no additional drainage is necessary.</p>

TABLE G21. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse located within the park.
Lights	No	
Storage	Optional	Storage boxes should be able to fit hand tools (i.e. rakes / shovels) for infield repairs, 2-3 bags of field marking materials and equipment, and sport use equipment such as bases. Storage boxes should not exceed the size of 60"L x 60"H x 24"D. Storage boxes should be kept outside the field of play and mounted on a concrete pad. Fieldhouses be used for storage where feasible.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 50 m of field.
Base Cut Outs	Optional	Turf cut out for bases and bade paths with aggregate surface.
Outfield Fence	Temp	Temporary fencing at dimensions per regulation size, see ball diamond sizes table (Table G26) for regulation sizes.
Batting Cages, Pitching Boxes, Scoring Boxes / Towers	Optional	Batting cage and pitching box lengths to match the level of play of the diamond, from pitchers mound to home plate with additional room for safety and equipment. Batting cage and pitching box perimeter to be fenced and covered. Scoring boxes / towers should be placed directly behind backstops in line with pitching mound and home plate. Recommend secured storage for batting equipment to be located within the same enclosure or in close proximity.
Scoreboards	Optional	Maybe permanent or mobile. Permanent scoreboards must be located outside the field of play and visible from scoring boxes / tower.
Sport Furniture - Dugouts with Player Benches, Bleachers	Optional	Dugouts with players benches. Bleachers for spectator seating.

Amenities		Criteria
Sport Fitments - Bases, backstops	Optional	Mound required for baseball. Foul poles required. Bases to be secured with base anchors. Backstops to be reflective of sport and age level.
Sport Utilization	600	Avg. 12 hours per week = 300 spring and summer hours / 300 fall and winter hours.
Field Size	Non-Regulation / Mini Games	See ball diamond sizes table (Table G26) for regulation sizes.
Fees	\$\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Variable	Mixed use between game and training activities. Primarily sport use. Suitable tournament play, game play, practice, exhibition play.
Operation & Maintenance Input	\$\$\$	<p>Soil Testing - Recommended to perform a soil analysis annually prior to the addition of material or fertilizers.</p> <p>Grass Cutting - Mow regularly during growing season - approx. 2 per week depending on the sport. Cut back to grass height of 50-60 mm. Only mow with sharp blades.</p> <p>Fall Start Up Top dress and fill in any depressions prior to seeding. Seed fields ideally from mid-August to mid-September. October and November if it is warm. Apply seeding rate at 1.5 - 2kg seed / 100 m2. Use irrigation system to keep the seed bed moist until germination and establishment are complete. Particularly between the hours of 10 am and 8pm. Aeration performed with a coring machine equipped with 18mm hollow tynes with spacing at 62 mm by 62 mm. Cores broken up with drag matting.</p> <p>Winter shut down - Dormant seeding or sprigging in the winter after frost has left the ground and prior to May 15th.</p> <p>Rest Period - 2-3 months with a growing season (growing season is March through October). Longer recuperation periods following intensive use days, such as tournaments as needed based on repairs required.</p>

CLASS B-2 DIAMONDS

TABLE G22. ATTRIBUTE OVERVIEW

Field Class	Class B-2	<p>Natural turf surface intended for sport use with quality sport performance requirements for community play.</p> <p>Reduced field requirements than Class B-1, bookings impacted by surface conditions and weather.</p> <p>Multi sport (baseball, softball, slo-pitch).</p>
Outfield Structure	Soil - based Natural Grass	<p>Outfield may overlap with rectangular field of same field classification.</p> <p>Field structure is minimum 300mm (450mm preferred).</p> <p>Soil is a well structured top soil containing 25%-35% silt plus clay, having greater than 3% organic matter, and less than 5% carbonates.</p> <p>For locations where in situ soil is 36-45% silt plus clay, not for intensive use.</p>
Infield Structure	Variable	<p>Natural grass or aggregate - Specialized clay, gravel screenings, or infield mixes.</p>
Field Civil Infrastructure - STM & WTR	Not Required, but optional	<p>Drainage pipes to follow the downward slope of subsoil, either perpendicular to diagonally to the main drainage line. Laterals placed every 5-6m along the main line.</p> <p>Irrigation to provide head-to-head coverage with sprinkler heads flush with the finish grade of turf when not in use. Recommended to be an automated system programmed to irrigate in early morning hours.</p> <p>Add additional drainage lines per recommendation. If existing fields drain adequately, no additional drainage is necessary.</p>

TABLE G23. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Public washroom and fieldhouse located within the park.
Lights	No	
Storage	Optional	Storage boxes should be able to fit hand tools (i.e. rakes / shovels) for infield repairs, 2-3 bags of field marking materials and equipment, and sport use equipment such as bases. Storage boxes should not exceed the size of 60"L x 60"H x 24"D. Storage boxes should be kept outside the field of play and mounted on a concrete pad. Fieldhouses be used for storage where feasible.
Water / Drinking Fountain	Yes	Water fountain with bottle filler located within the park within 100 m of field.
Base Cut Outs	Optional	Turf cut out for bases and bade paths with aggregate surface.
Outfield Fence	Temp	Temporary fencing at dimensions per regulation size, see ball diamond sizes table (Table G26) for regulation sizes.
Batting Cages, Pitching Boxes, Scoring Boxes / Towers	Optional	Batting cage and pitching box lengths to match the level of play of the diamond, from pitchers mound to home plate with additional room for safety and equipment. Batting cage and pitching box perimeter to be fenced and covered. Scoring boxes / towers should be placed directly behind backstops in line with pitching mound and home plate. Recommend secured storage for batting equipment to be located within the same enclosure or in close proximity.
Scoreboards	Optional	Maybe permanent or mobile. Permanent scoreboards must be located outside the field of play and visible from scoring boxes / tower.
Sport Furniture - Dugouts with Player Benches, Bleachers	Optional	Temporary fencing at dimensions per regulation size, see ball diamond sizes table (Table G26) for regulation sizes.

Amenities		Criteria
Sport Fitments - Bases, backstops	Optional	Mound required for baseball. Foul poles required. Bases to be secured with base anchors. Backstops to be reflective of sport and age level.
Sport Utilization	300	150 Hrs / season.
Field Size	Non-Regulation / Mini Games	See ball diamond sizes table (Table G26) for regulation sizes. Meeting a regulation diamond size not required.
Fees	\$\$	Refer to Strategy document - Direction #2.
Bookable	Yes	Refer to Strategy document - Direction #3.
Program Use	Variable	Primarily training and practice. Primarily sport use, with other uses permitted for special events, or non-standard games, practices or training. High intensity small areas games are permitted (i.e. mini soccer).
Operation & Maintenance Input	\$\$	<p>Soil Testing - Recommended to perform a soil analysis annually prior to the addition of material or fertilizers.</p> <p>Grass Cutting - Mow regularly during growing season - approx. 2 per week depending on the sport. Cut back to grass height of 50-60 mm. Only mow with sharp blades.</p> <p>Fall Start Up Top dress and fill in any depressions prior to seeding. Seed fields ideally from mid-August to mid-September. October and November if it is warm. Apply seeding rate at 1.5 - 2kg seed / 100 m2. Use irrigation system to keep the seed bed moist until germination and establishment are complete. Particularly between the hours of 10 am and 8pm. Aeration performed with a coring machine equipped with 18 mm hollow tynes with spacing at 62 mm by 62 mm. Cores broken up with drag matting.</p> <p>Winter shut down - Dormant seeding or sprigging in the winter after frost has left the ground and prior to May 15th.</p> <p>Rest Period - 2-3 months with a growing season (growing season is March through October). Longer recuperation periods following intensive use days, such as tournaments as needed based on repairs required.</p>

CLASS C DIAMONDS

TABLE G24. ATTRIBUTE OVERVIEW

Field Class	Class C	Natural turf surface intended for casual use for neighbourhood and spontaneous play. Reduced field requirements than Class B-2, bookings impacted by surface conditions and weather. Fields require minimal capital and Operation & Maintenance investment.
Outfield Structure	Variable - Natural Grass or Gravel	Natural grass criteria: Sites where in situ soil may contain 36-45% silt plus clay in the first 300mm of the root zone material. Conditions may be improved with installation of silt drains. Root zone material shall be well structured top soil of any texture greater than sandy loam, have greater than 3% organic matter, and contain less than 5% carbonates. Gravel criteria: Compacted granular aggregate screenings.
Infield Structure	Variable	Natural grass or aggregate - specialized clay, gravel screenings, or infield mixes.
Field Civil Infrastructure - STM & WTR	No	

TABLE G25. AMENITIES

Amenities		Criteria
Washroom / Fieldhouse	Yes	Washrooms only.
Lights	No	
Storage	No	In a location that is easy to access, yet not intrusive to the overall use and aesthetic of the facility. Fieldhouses be used for storage where feasible. Storage boxes should be able to fit training equipment and field marking items and should not exceed the size of 60"L x 28"H x 24"D. Storage boxes should be kept outside the field of play and mounted on a concrete pad.

Amenities		Criteria
Water / Drinking Fountain	Yes	Water / drinking fountain located within the park.
Base Cut Outs	No	
Outfield Fence	No	
Batting Cages, Pitching Boxes, Scoring Boxes / Towers	No	
Scoreboards	No	
Sport Furniture - Dugouts with Player Benches, Bleachers	No	
Sport Fitments - Bases, backstops	No	
Sport Utilization	Variable	Site specific on field surface.
Field Size	Non-Regulation	Meeting a regulation diamond size not required.
Fees	\$	Refer to Strategy document - Direction #2.
Bookable	No	Refer to Strategy document - Direction #3 (first come first serve).
Program Use	Variable	Sport and casual use, with other uses permitted for special events, or non-standard games, practices or training.
Operation & Maintenance Input	\$ - As Needed	<p>Soil Testing - As required based on use.</p> <p>Grass Cutting - Mow as needed during growing season - approx. every 2 per month depending on usage. Cut back to grass height of 60-65 mm.</p> <p>Fall Start Up - As required based on use.</p> <p>Winter shut down - As required based on use.</p> <p>Rest Period - As required based on use.</p>

BALL DIAMOND SIZES

TABLE G26. DIAMOND BASEPATHS BY DIVISION

SOFTBALL	
MALE - MASTERS, U23,U20,U17	PITCH - 46' (14.02m), BASES 60' (18.288m), FENCE C.F. MIN. 225' (68.58m) MAX. 265' (80.77m)
MEN - U15	PITCH - 42' (12.80m), BASES 60' (18.288m), FENCE C.F. MIN. 210' (64.00m) MAX. 250' (76.2m)
MEN - U13	PITCH - 38' (11.58m), BASES 55' (16.764m), FENCE C.F. MIN. 170' (51.82) MAX. 225' (68.58m)
MEN - U11	PITCH - 35' (10.67m), BASES 45' (13.72m), FENCE C.F. MIN. 160' (48.77m) MAX. 225' (68.58m)
MEN - U9, U7	PITCH - 30' (9.144m), BASES 45' (13.72m), FENCE C.F. MIN. 160' (48.77m) MAX. 225' (68.58m)
FEMALE - MASTERS	PITCH - 43' (13.12m), BASES 60' (18.288m), FENCE C.F. MIN. 210' (64.00m) MAX. 225' (68.58m)
FEMALE -A, B & C	PITCH - 43' (13.12m), BASES 60' (18.288m), FENCE C.F. MIN. 220' (67.06m) MAX. 235' (71.63m)
FEMALE - D	PITCH - 40' (12.19m), BASES 60' (18.288m), FENCE C.F. MIN. 200' (60.96) MAX. 210' (64.00m)
FEMALE - U19 A & B	PITCH - 43' (13.12m), BASES 60' (18.288m), FENCE C.F. MIN. 200' (60.96m) MAX. 210' (64.00m)
FEMALE - U20 C	PITCH - 43' (13.12m), BASES 60' (18.288m), FENCE C.F. MIN. 200' (60.96m) MAX. 210' (64.00m)
FEMALE - U17	PITCH - 43' (13.12m), BASES 60' (18.288m), FENCE C.F. MIN. 200' (60.96m) MAX. 210' (64.00m)
FEMALE - U15	PITCH - 40' (12.19m), BASES 60' (18.288m), FENCE C.F. MIN. 170' (51.82m) MAX. 210' (64.00m)
FEMALE - U13	PITCH - 38' (11.58m), BASES 55' (16.76m), FENCE C.F. MIN. 160' (48.77m) MAX. 210' (64.00m)

FEMALE - U11	PITCH - 35' (10.67m), BASES 45' (13.72m), FENCE C.F. MIN. 150' (45.72m) MAX. 210' (64.00m)
FEMALE - U9, U7	PITCH - 30' (9.144m), BASES 45' (13.72m), FENCE C.F. MIN. 150' (45.72m) MAX. 210' (64.00m)
SLO PITCH	
MENS	PITCH - 50' (15.24m), BASES 70' (21.336m), FENCE C.F. MIN. 300' (91.44m) MAX. 375' (114.3m)
WOMENS	PITCH - 50' (15.24m), BASES 65' (19.81m), FENCE C.F. MIN. 225' (68.58m) MAX. 275' (83.82m)
CO-ED	PITCH - 50' (15.24m), BASES 65' (19.81m), FENCE C.F. MIN. 275' (83.82m) MAX. 325' (99.06m)
BASEBALL	
U18	PITCH - 60.5' (18.44m), BASES 90' (27.43m), FENCE C.F. MIN. 320' (64.00m) MAX. 400' (76.2m)
U15	PITCH - 54' (16.45m), BASES 80' (24.38m), FENCE C.F. MIN. 270' (82.3m) MAX. 300' (91.44m)
U13	PITCH - 48' (14.63m), BASES 70' (21.34m), FENCE C.F. MIN. 225' (68.58m) MAX. 260' (79.5m)
U10 & U11	PITCH - 46' (14.02m), BASES 60' (18.288m), FOUL LINES. MIN. 180' (54.86m) MAX. 200' (60.96m)
U9	PITCH - 46' (14.02m), BASES 60' (18.288m), FOUL LINES. MIN. 150' (45.72m) MAX. 200' (60.96m)
U9	PITCH - 42' (12.80m), BASES 60' (18.288m), FOUL LINES. MIN. 150' (45.72m) MAX. 200' (60.96m)
U7	PITCH - 36' (10.97m), BASES 50' (15.24m), FOUL LINES. MIN. 150' (45.72m) MAX. 200' (60.96m)

GUIDANCE FOR FIELDHOUSE INFRASTRUCTURE AT SPORT FIELD SITES

The fieldhouse types indicated for each sport field classification below are intended as a guideline only, and delivery of fieldhouses at sport fields will take into consideration site-specific factors including:

- Need for fieldhouse space to support other park uses such as arts and culture programming, playground programming, food security programming, court sport use, etc.
- Overall level of sport activity in the park (e.g. the total number of permitted hours of sport, type of play – single game vs microfootie, number of fields, spectator needs)
- Feasibility of delivery on a site by site basis

HUB SITE FIELDHOUSE - This fieldhouse type would be located at hub sites to support concurrent field use and tournaments. Provision should align with the Washroom & Fieldhouse Strategy 4B (Large Custom) type and include changerooms, sports storage, and multipurpose sport space.

STF / CLASS A FIELDHOUSE - This fieldhouse type would be located at parks where the highest field class is Synthetic Turf or Class A. Washroom provision should align with park classification in accordance with the washroom types laid out in the Washroom & Fieldhouse Strategy, and the fieldhouse component should include changerooms, sports storage, and multipurpose sport space.

COMMUNITY SPORT FIELDHOUSE - This fieldhouse type would be located at parks where the highest field class is Class B-1 or B-2. Washroom provision should align with park classification in accordance with the washroom types laid out in the Washroom & Fieldhouse Strategy, and the fieldhouse component should include sports storage and multipurpose sport space.

STORAGE - As proposed in Action 5.G.

EXCLUSIVE USE

Although fieldhouse sport components are intended to be multi-user in nature (permitted changerooms, public washrooms, bookable multipurpose sport space), the Park Board will consider time-limited exclusive use by individual sport groups where facility cost-sharing is negotiated through a separate legal agreement. Such proposals will be considered through the Park Board's Unsolicited Proposals Policy. In such cases, public washrooms will be provided as part of the facility.





