



## Vancouver Board of Parks and Recreation

# Synthetic Turf Playfield Dimensions March 16, 2010

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### Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

#### **Purpose**

Address questions arising about the size of the playfields to be constructed at Jericho and Memorial South Parks

#### **Background**

- Board approved sites on Feb. 8, 2010
- Rugby expressed interest in synthetic turf playfield at Jericho
- Subsequently, other field users expressed interest in building larger playfield

## Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

### Main goals of synthetic turf program

- 1980s-1990s: accommodate field hockey
- 2000s: accommodate soccer
  - Increase the overall supply
  - Reduce impact of grass field closures during rainy season

## Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

### Typical field of play

- 64 m wide by 100 m long
- Size provided at Pt. Grey, VanTech and Trillium
- 70% of fields in suburbs are equal or smaller



<b>Synthetic Turf Playfields at Jericho &amp; Memorial South Parks Field Dimension Discussion</b>		
<b>Field requirements</b>	<b>Width</b>	<b>Length</b>
▪ Rugby:	max. 70 m	max. 144 m
▪ Soccer (adult):	45-90 m	90-120 m
▪ Soccer (11-12 yrs old) (2 fields):	60-75 m	94-120 m
▪ Ultimate (2 fields):	76 m	110 m
▪ Field hockey:	55 m	91 m
<b>Typical field provided:</b>	<b>64 m</b>	<b>100 m</b>

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<b>Synthetic Turf Playfields at Jericho &amp; Memorial South Parks Field Dimension Discussion</b>		
<b>Suggested dimensions:</b>	<b>width:</b>	<b>length:</b>
▪ Staff proposal:	64 m	100 m
▪ Federation proposal:	68 m	105-110 m
▪ Rugby proposal:	68 m	120-125 m

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## Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

### Number of players

- Soccer (12,000-15,000 players)
- Ultimate (4,000 players)
- Rugby (1,000-1,500 players)
- Field hockey (1,000-1,500 players)

## Synthetic Turf Playfields at Jericho Park





### Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

**Budget Analysis**

A. Field of play is 64 m by 100 m	TOTAL
- Consultants	\$128,000
- Construction	\$4,400,000
- Relocation	\$600,000
- Contingency	\$982,000
<b>TOTAL</b>	<b>\$6,110,000</b>

  

<b>B. Field of play is 68 m by 105 m</b>	
- incremental cost increase over A	\$300,000
<b>TOTAL</b>	<b>\$6,410,000</b>

  

<b>C. Field of play is 68 m by 120 m</b>	
- incremental cost increase over B	\$200,000
<b>TOTAL</b>	<b>\$6,610,000</b>

## Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

### Risks associated with a larger field?

- Budget is tight – what if bids are higher than anticipated?  
Board would have to make trade offs later on.
- Would larger field be seen as the typical size to provide in the future?
- Fewer hours get allocated to soccer – the main target group of the synthetic turf playfield program.

## Synthetic Turf Playfields at Jericho & Memorial South Parks Field Dimension Discussion

### Summary

- The typical 64 by 100 m field serves a wide range of users.
- The incremental benefits generated by a larger field do not justify the increased costs/risks.
- The issue could be reviewed in greater detail as part of the update to the Playing Field Renewal Plan.