

Fullerton's Creek Conservation Park Natural Playground



GLENN
GROUP
LANDSCAPE
ARCHITECTS &
PARK PLANNERS



June 4, 2020

Meeting Objectives

- Present Themes + Design Options
- Address Questions and Comments
- Review Preliminary Opinion of Costs and Budget
- Consider Next Steps



MacCallum Farm in the 1920s

Source: CBC

Theme and Narrative

- Nature and its Inhabitants
- The Red-winged Blackbird and Red Fox



Red-Winged Blackbird and the Red Fox

- Hide and Seek
- Exploration and Adventure
- Family, Security

CHASE + REFUGE

A tale as old as time



From Folklore and Aesop's Fables

HIDE

Habitat

- Mimicking fox den and bird nest environments

Safety

- Open layouts and elevated vantage points for guardian supervision

Family

- Refuge elements engage guardians and kids of all ages - encouraging closeness and comradery.





Exploration and Adventure

- Engaging in the activities of this natural environment

Excitement

- Hide and Seek; discovery of unique spaces and habitats

Challenge

- Physically demanding and rewarding; elements with high play value





Design Considerations



- Proximity to access points
- Visibility of sculptural features
- Vantage points for supervision
- Linear, narrative-driven layout
- Physical and cognitive challenges
- Accessible play elements appealing to all ages
- Variety of spatial experiences
- Compact footprint

Components

- Natural Play Features
- Hybrid Design
- Circulation and grading highlight the theme of exploration



Blackbird Sculpture



Meadow Planting



Swing Set



Bird's Nest



Music Element



Friendship Circle



Hill Mound/slide



Obstacle Course



Obstacle Course

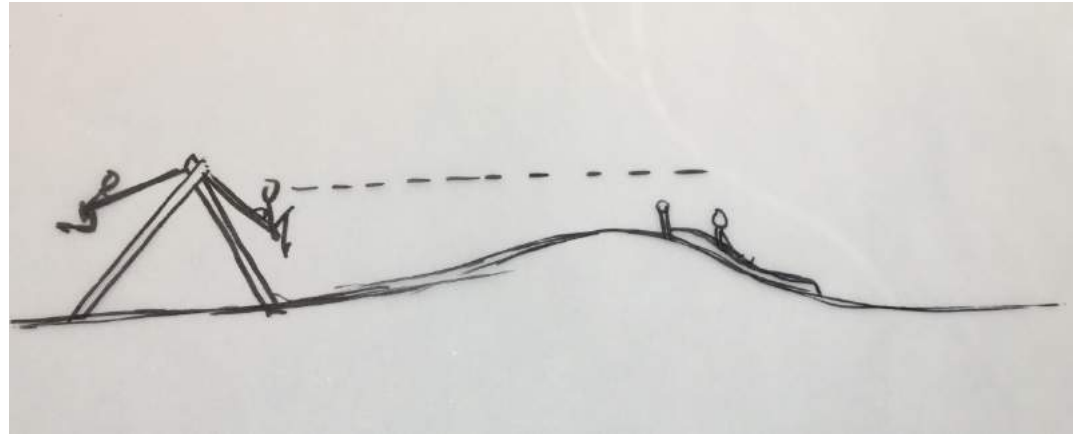


Fox Den



Swing set

- Stockpiled Feature
- Unveiling activity beyond the mound
- Engaging spatial perception



Red Winged Blackbird Sculpture

- Artistic Feature
- Formalized or informal encounter
- Frames natural concept/framed by nature



Hill Mound

- Hill Slide
- Sandbox
- Rock climbers
- Friendship Circle
Lookout



Fox Den

- Place of hiding and refuge
- Small-scale place for gathering
- Fox-head sculpture embedded within the den
- Sense of discovery



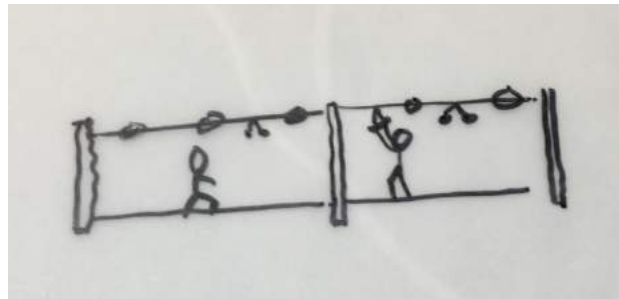
Obstacle Course

- Log Steppers
- Balance Logs
- Net climber
- Physical challenge and agility



Birds on a Wire

- Double Slack Line for balance
- Hand-over-hand features
- Cobbles painted blue along the line: reference the Red winged Blackbird's eggs



Bird's Nest

- Log Climbers
- Net climber and seating within
- Mimics the nest of the Red Winged Blackbird built upon the wetland reeds



Planting



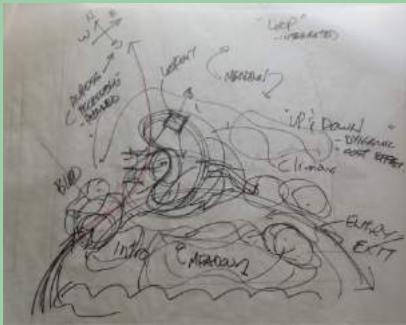
- Low maintenance meadow grasses and wildflower seed mix can create informal trails for exploration
- Naturalization planting blurs the straight lines of the existing swale and paths
- Phase 2 tree planting to provide shade, create a sense of containment while increasing bird habitat.

Design Options

Concept 1: Up + Down

Concept 2: Across the Top

Concept 3: The Loop







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FULLERTON'S NATURAL PLAYGROUND

CONCEPT 3 - THE LOOP

STRATFORD, PEI



OPINION OF COST - OPTION 1

Fullertons Natural Playground
 Project Number: 2020
 Date: June 4, 2020



Prepared By: Glenn Group Ltd.

- Optional Items
- Potential Savings
- Material Selection
- Feature Selection

Item	Qty.	Unit	Unit Cost	Item Cost
Site Prep				
Site Grading	2400	m ²	\$ -	\$ -
Import Place Fill Material	0	m ³	\$ 20.00	\$ -
Excavation	0	m ³	\$ 10.00	\$ -
Plant Removal	0	each	\$ 100.00	\$ -
				\$ 7,200.00
Surfacing				
*Crusherdust Trail	190	m ²	\$ 50.00	\$ 9,500.00
Drainage Stone	92	m ³	\$ 50.00	\$ 4,600.00
Common Fill		m ³	\$ 12.00	\$ -
Mulch		m ²	\$ 35.00	\$ -
Log Edgers	15	lm	\$ 120.00	\$ 1,800.00
Saftey Surface (Fibar)	452	m ²	\$ 35.00	\$ 15,820.00
Saftey Surface (Geo)	452	m ²	\$ 2.00	\$ 904.00
Landscaping				
*Seed and Topsoil	450	m ²	\$ 12.00	\$ 5,400.00
Trees	0	each	\$ 400.00	\$ -
Planting		lump	\$ 4,000.00	\$ 4,000.00
Total				\$ 49,224.00
Playground Features				
Swing Set Installation	1	each	\$ 2,500.00	\$ 2,500.00
*Natural Obstacle Course	1	each	\$ 10,000.00	\$ 10,000.00
Double Slack Line	1	each	\$ 6,000.00	\$ 6,000.00
*Large Play Hill/mound	1	each	\$ 18,000.00	\$ 18,000.00
Upright Logs in Mound	1	each	\$ 1,800.00	\$ 1,800.00
Boulders in Mound	1	each	\$ 2,500.00	\$ 2,500.00
Climbing Nest	1	each	\$ 10,000.00	\$ 10,000.00
Bench Circle	1	each	\$ 2,500.00	\$ 2,500.00
Fox Den	1	each	\$ 6,000.00	\$ 6,000.00
Musical elements	1	each	\$ 2,500.00	\$ 2,500.00
birds nest swing	0	each	\$ 6,000.00	\$ -
Tic Tac Toe & Misc.	0	each	\$ 1,500.00	\$ -
Custom Benches	0	each	\$ 2,000.00	\$ -
Mobilization/Clean Up/Warranty				\$ 6,000.00
Total				67,800.00
Grand Total				117,024.00
Contingency (10%)				18,482.40
Total (not including HST)				135,506.40



Pros + Cons



Option 1: Up + Down

- Dynamic
- Cost Effective



Option 2: Across the Top

- Accessible
- Ease of construction
- Phased



Option 3: The Loop

- Integrated into existing circulation
- Compact play area

Owner-supplied Materials

- Swing Set
- Fallen Maple
- Fill Material
- Cost Savings





Questions

- Fill for play mound
- Maple tree for log climber
- Crusher dust or drainage material
- Swing set



Next Steps

- Design Approval
- Advance Design
- 3D Model Construction