

RInC & Infrastructure Projects

Project Completion & Operational Results

General Committee

April 2, 2012



Stimulus & RInC Projects Update



Total Stimulus & RInC Program Cost

Stimulus Program	RInC Program
• Accessibility Improvements • Energy Retrofits • Emergency Operations Centre • Thornhill Community Centre & Library	• St. Robert Artificial Turf & Bubble • Angus Glen Indoor Tennis • Civic Centre Artificial Outdoor Ice Rink
Total for Stimulus Projects: \$14.1m	Total RInC Project Costs: \$11.4m
Total Project Cost: \$25.5m and Total Town share \$11.5m	

Project	Total Budget	Markham Share	Federal & Provincial Share
Civic Centre Artificial Outdoor Ice Rink	\$4,130,000	\$2,130,000	\$2,000,000
Angus Glen Tennis Structure	\$4,116,636	\$2,983,304	\$1,133,334
Thornhill Community Centre & Library	\$6,012,558	\$2,012,558	\$4,000,000
St. Roberts Soccer Dome	\$3,166,879	\$1,166,879	\$2,000,000
Accessibility Retrofit	\$3,200,000	\$1,067,000	\$2,133,000
Energy Retrofit	\$3,776,714	\$1,776,714	\$2,000,000
Emergency Operations Centre	\$1,066,370	\$400,370	\$666,000
TOTAL	\$25,469,157	\$11,536,825	\$13,932,332

Financial Information

	Federal & Provincial <u>Government</u>	<u>Town</u>	<u>Total</u>
Total approved budget	\$13,932,332	\$11,536,825	\$25,469,157
Ineligible/unclaimed expenses	(136,745)	-	(136,745)
Subtotal	13,795,587	11,536,825	25,332,412
Actual expenditures	(13,795,587)	(11,016,670)	(24,812,257)
Surplus funds	\$0	\$520,155	\$520,155

<u>Status on Government financial assistance</u>	
Government financial assistance received to date	\$12,465,271
Government financial assistance to be received	1,330,316
Total Government financial assistance	<u>\$13,795,587</u>

Infrastructure Projects

- 1 Accessibility Improvements
- 2 Energy Retrofits
- 3 Emergency Operations Centre
- 4 Thornhill Community Centre & Library
- 5 St. Robert Artificial Turf & Bubble
- 6 Angus Glen Indoor Tennis
- 7 Civic Centre Artificial Outdoor Ice Rink

Stimulus & RInC Projects Update





Accessibility Retrofits

Town of Markham Facilities

A number of accessibility features will be incorporated into ten Town-owned facilities to ensure compliance with building accessibility requirements and to ensure our facilities can be enjoyed by all Markham residents. The following Town-owned facilities will receive new accessibility retrofit features:

- | | |
|---------------------------|--|
| 1 R.J. Clatworthy Arena | 5 Markham Theatre |
| 2 Crosby Community Centre | 6 Arnsdale Community Centre |
| 3 Markham Village Library | 7 Thornhill Community Centre & Library |
| 4 Unionville Library | 8 Mount Joy Community Centre |
| 5 Markham Civic Centre | 9 Milliken Mills Community Centre |



Architect:
Quadrangle Architects Limited

Accessibility Consultant:
SPH Planning & Consulting Ltd.

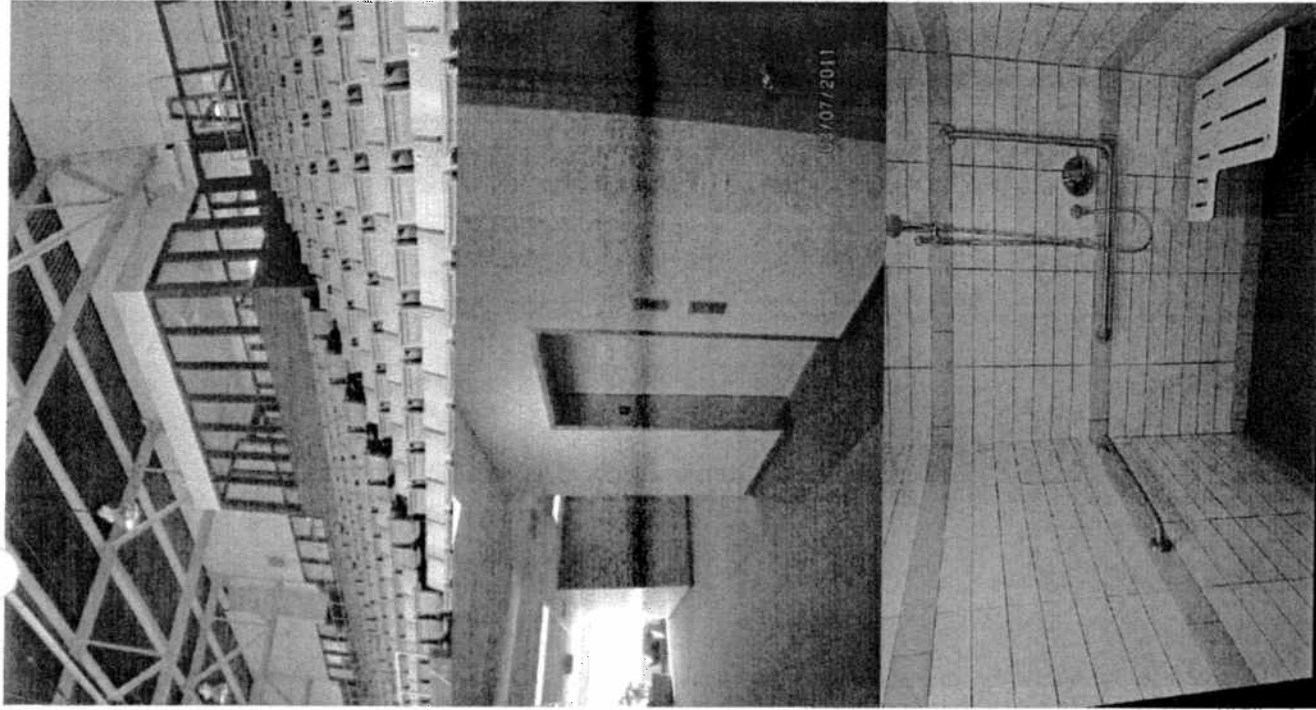
Project Manager:
MHFM Project Managers Inc.

Construction:
March 2010 – March 2011

Budget: \$ 3,000,000
(Stimulus Funding)

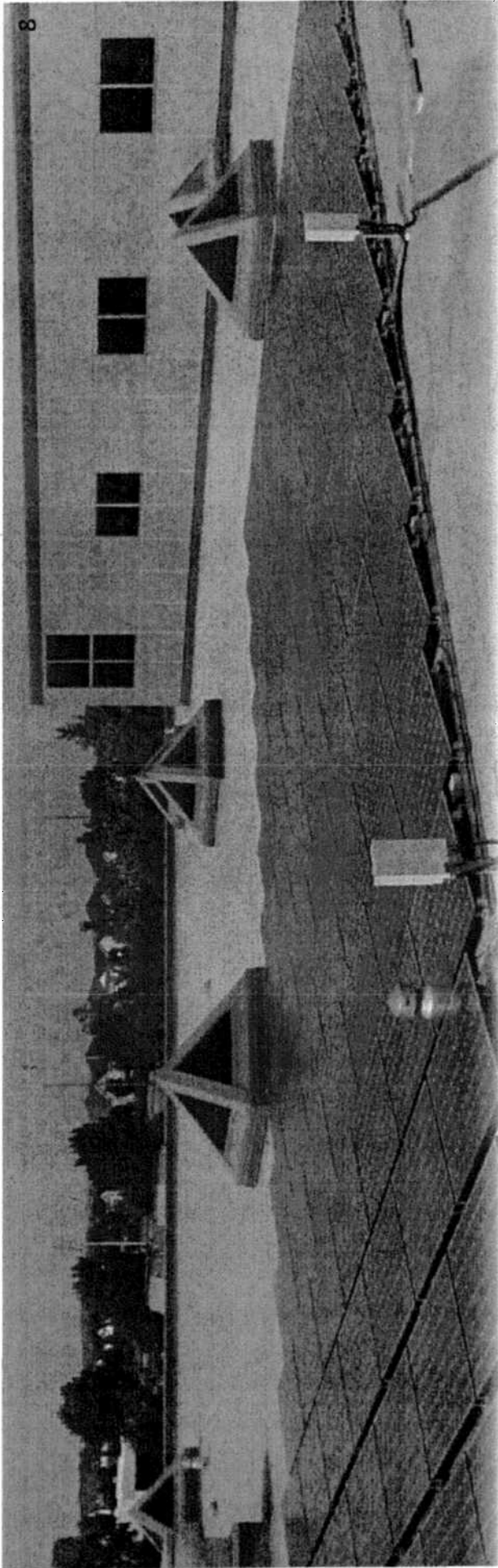
Stimulus & RInC Projects Update





Accessibility Project Project Completed October 31, 2011

- Upgrades took place at the Milliken Mills CC, Crosby CC, Markham Village CC, Mount Joy CC, R.J. Clatworthy Arena, Thornhill Community Centre & Library, Armadale CC, Markham Convergence Centre and the Markham Civic Centre. Improvements included three **new elevators, construction of universal washrooms, arena change rooms and shower areas, automatic door openers, external curb cuts and line painting, fire safety system enhancements, improvements to stairs and landings etc.**

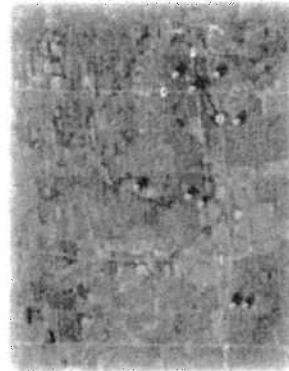


Energy Retrofits

Town of Markham Facilities

Markham will implement a number of energy efficiency retrofits at nine Town-owned facilities including lighting retrofits at eight ice arenas. Investments in these retrofits will provide these facilities with new energy efficient features and reduce the Town's operating energy costs. The following facilities are planned for retrofits:

- | | |
|---|--|
| 1 Angus Glen Community Centre | 5 Markham Civic Centre |
| 2 8100 Warden Avenue | 6 Armadale Community Centre |
| 3 Markham Village Library | 7 Thornhill Community Centre & Library |
| 4 Rouge River Community Centre and Outdoor Pool | 8 Thornlea Outdoor Pool |
| | 9 Morgan Outdoor Pool |



Energy Service Companies:
Johnson Controls LP
Siemens Building Technologies Ltd.

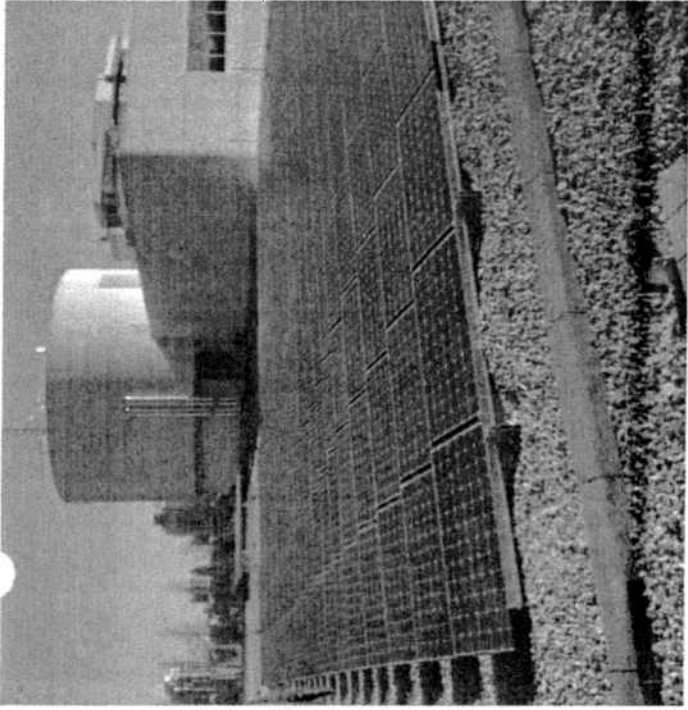
Project Manager:
Energy Consultant & Energy Services (ESCO)

Construction:
January 2010 – December 2010

Budget:
\$3,200,000
(Stimulus Funding)

Stimulus & RInC Projects Update





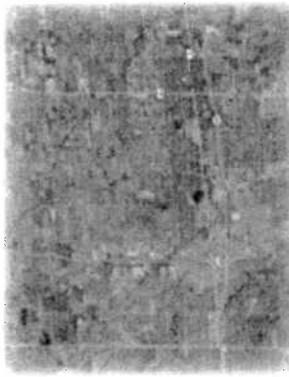
Energy Retrofit Project Project Completed March 31, 2012

- **Solar PV Installation at 8100 Warden, Facility Improvement Measurements (FIMS)** were implemented at, Angus Glen CC, Markham Village Library, Rouge River & Morgan outdoor pools, Thornlea Pool, Markham Civic Centre, Armadale CC and Thornhill CC & Library, systems included **variable speed drives, building controls upgrade, centralized monitoring, waste heat recovery, lighting retrofits etc.**
- Expected Annual Savings: \$308,958



Emergency Operations Centre

A permanent, self supporting emergency operations centre (EOC) will be located in Markham. The new EOC will be a state-of-the-art facility with dedicated computers, telecommunications systems, video surveillance, GIS mapping, and a backup, diesel powered generator.



Architect:
TBD

Project Manager:
Genivar
Town of Markham

Construction:
2010

Completion:
January 2011

Budget:
\$ 1,000,000 (Stimulus Funding)

Stimulus & RInC Projects Update

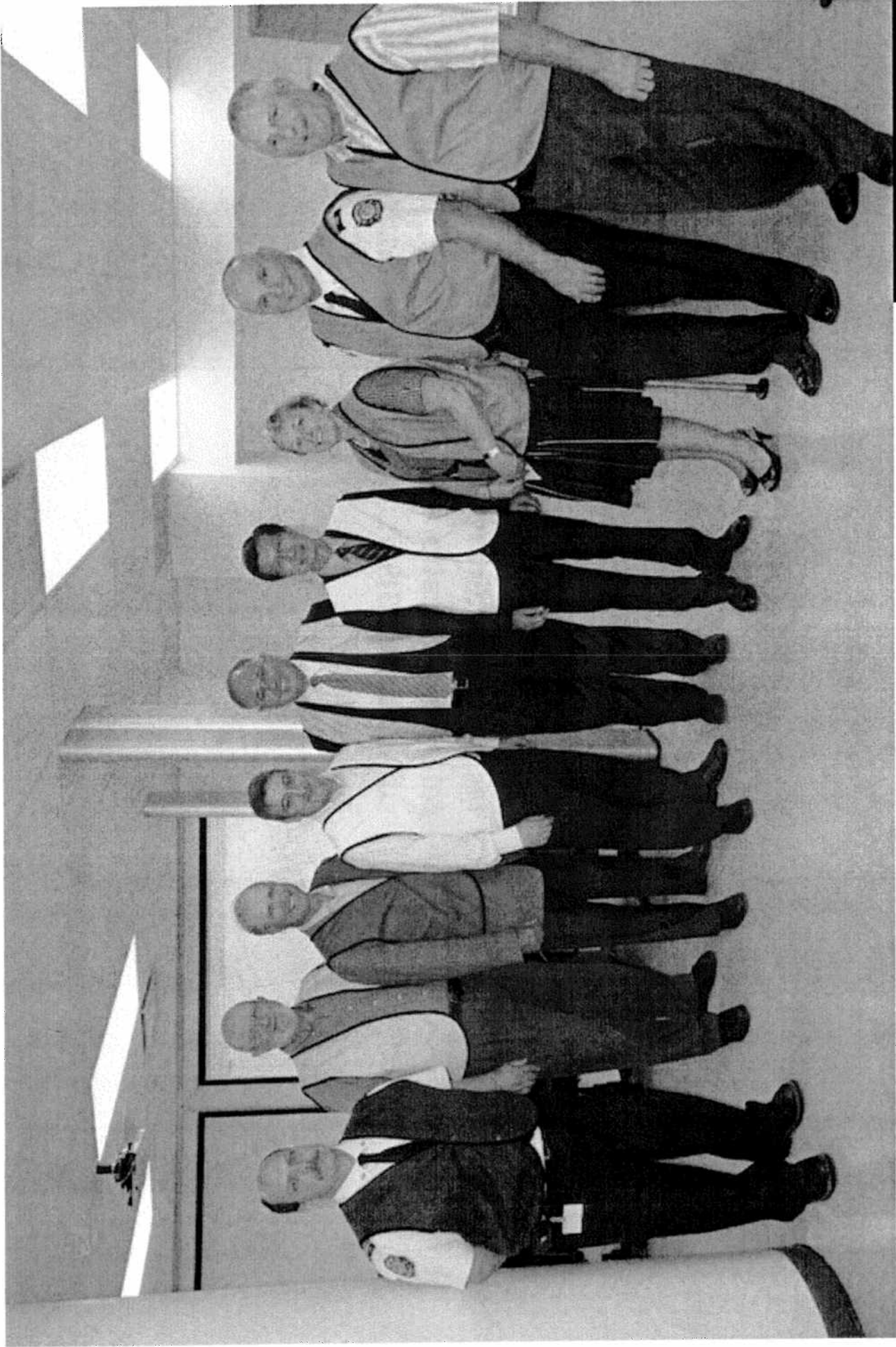




Emergency Operations Centre

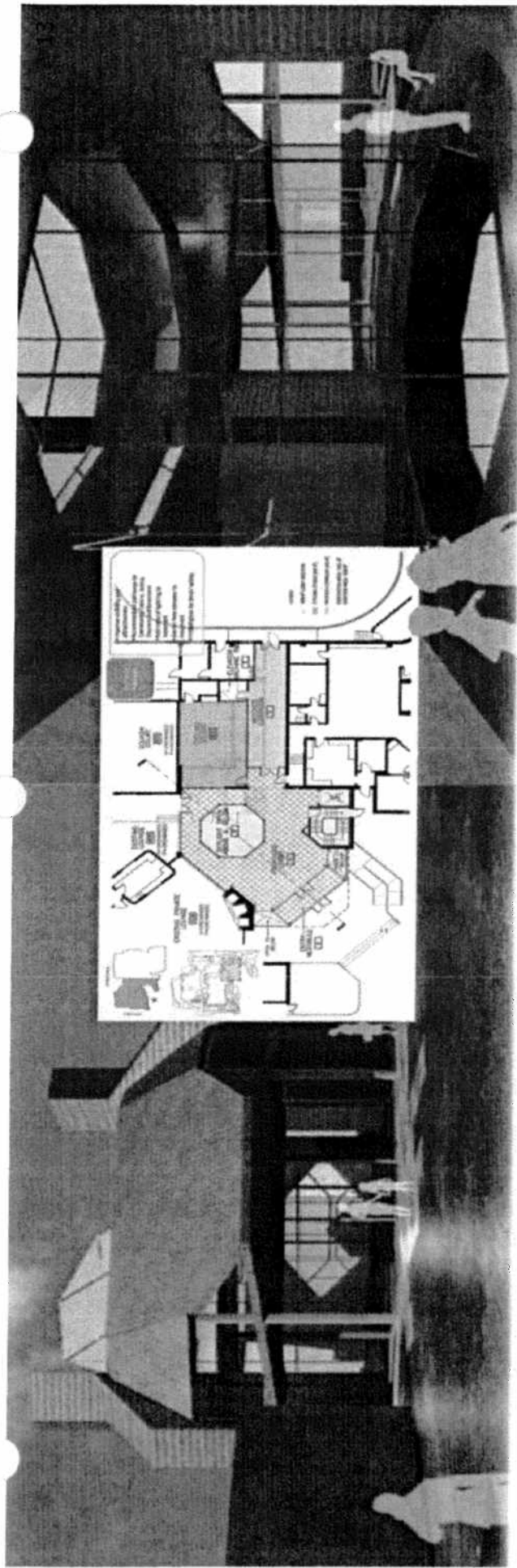
Project Completed Feb. 2011

- A permanent, self supporting emergency operations centre (EOC) was constructed at 8100 Warden Avenue. The state-of-the-art facility has **dedicated computers, telecommunications systems, video surveillance, GIS mapping and a backup diesel generator.**



Stimulus & RInC Projects Update





Thornhill Community Centre and Library

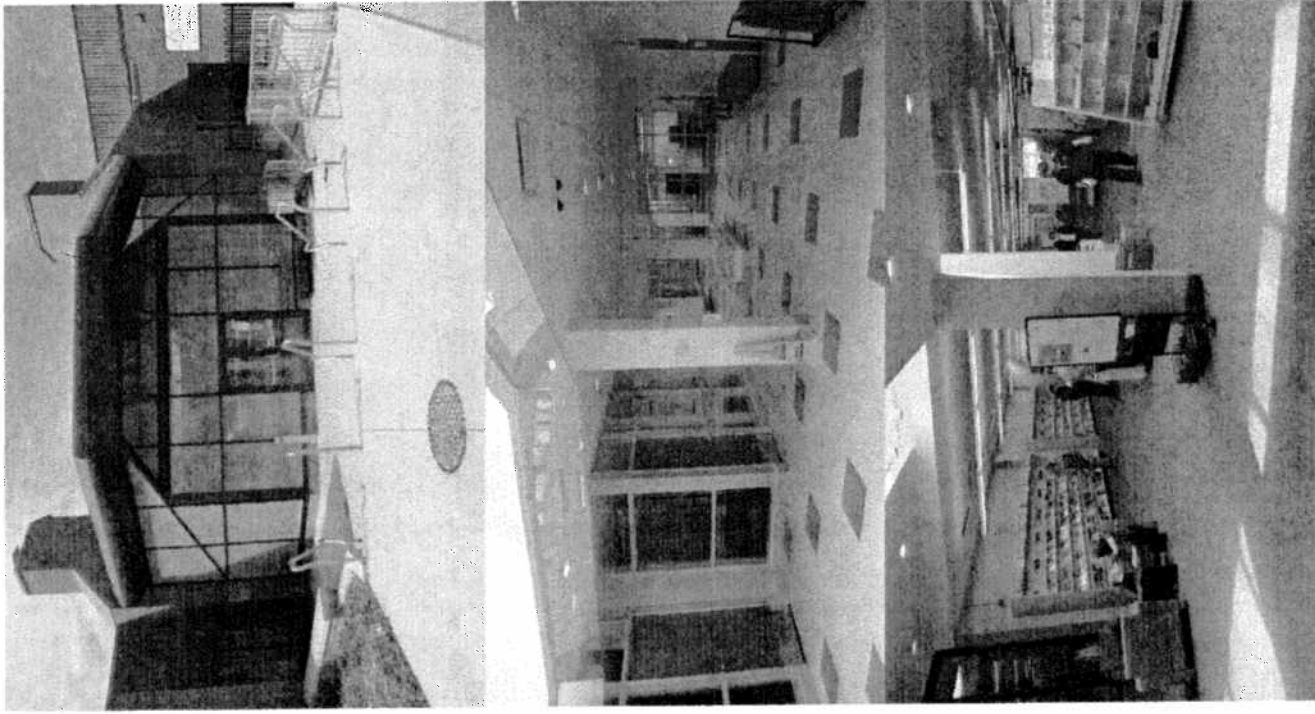
7755 Bayview Avenue

The Thornhill Community Centre and Library will undergo a major renovation/expansion to meet the increasing demands within this multi-use facility. Library services will be improved with additional study room facilities, an expanded computer lab, an improved children's area, new self service technologies and a refreshed overall appearance. Renovations to the lower level will provide accessible opportunities for more Seniors programs, dedicated Youth space, as well as an increase in multi-purpose spaces for general programming.

Architect:
W.K. Lim Architect
Project Manager:
SMA
Completion date:
March 2011
Budget:
\$ 6,000,000
(Stimulus Funding)

Stimulus & RInC Projects Update





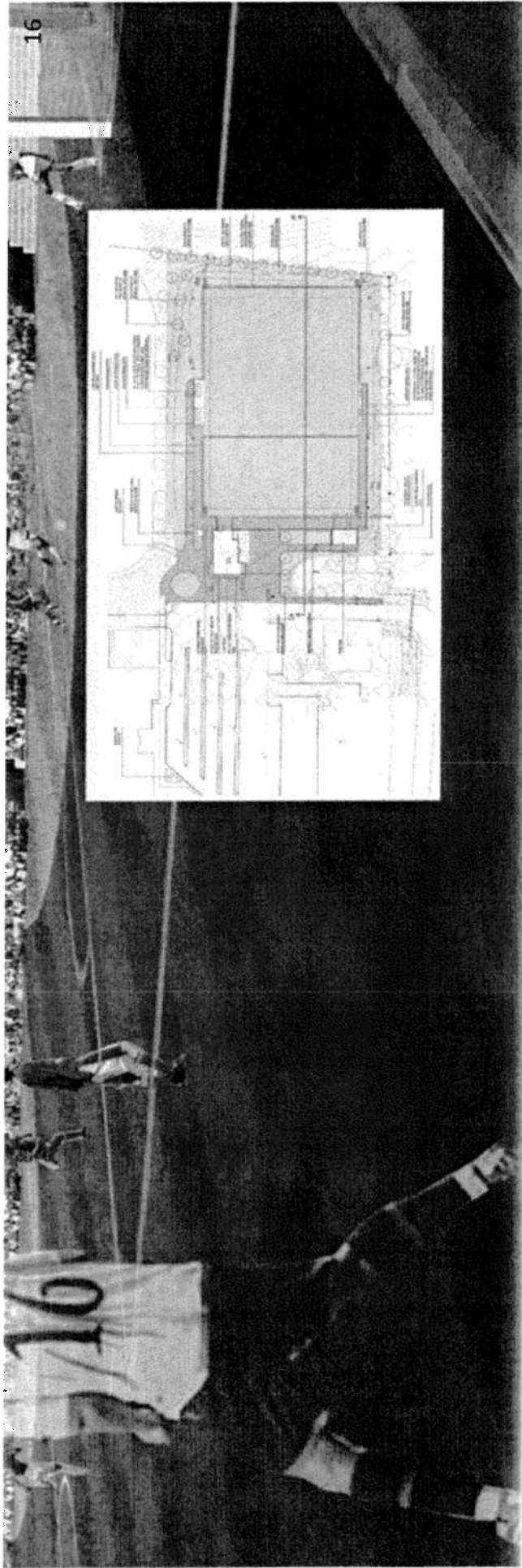
Thornhill C.C. & Library Officially Re-Opened Nov. 20/11

- The facility underwent major renovations, asbestos abatement throughout, new fire sprinkler suppression system, visual and audible alarms, energy efficient lighting throughout.
- Renovations to the lower level created multi-purpose rooms for general programs and dedicated Youth space.
- With the addition of a new entrance and elevator the facility is now **fully accessible**.
- The Library received **new study rooms, computer lab, children's area, new self service technologies** and a refreshed overall appearance.



Stimulus & RInC Projects Update





Indoor Soccer Field

St. Robert High School
8101 Leslie Street, Thornhill

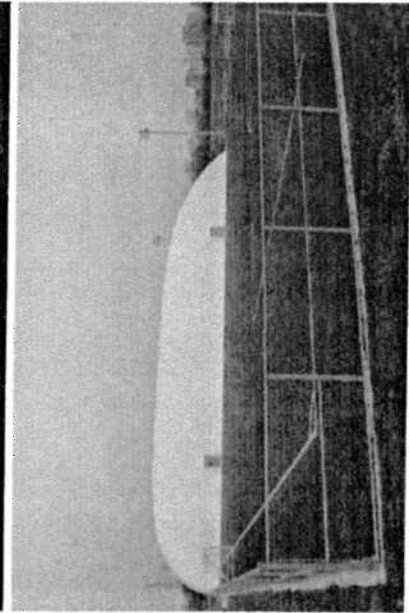
Markham in cooperation with the York District Catholic School Board and St. Robert High School will develop a new full size synthetic turf soccer field and seasonal dome. The project incorporates a year round field house and a seasonal dome to cover 1/3 of the artificial turf field in the winter months. This will facilitate year round opportunities to play soccer for residents of Markham and St. Robert High School students.



Architect:
Baker Turner Inc.
Project Manager:
Town of Markham
Construction:
Summer 2010 – March 31, 2011
Budget:
\$ 3,200,000
(Recreation Infrastructure Funding)

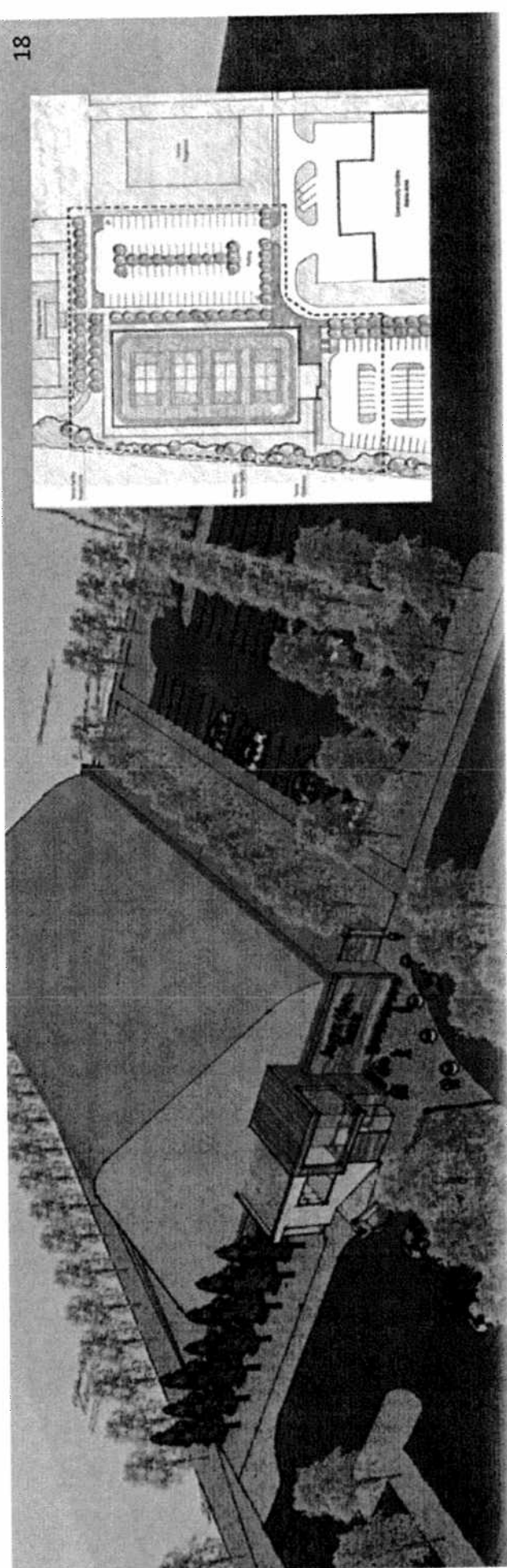
Stimulus & RInC Projects Update





St. Roberts Soccer Dome Opened February 2011

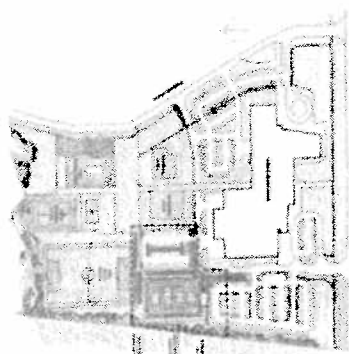
- A full size synthetic turf soccer field, field house with change rooms and public washrooms was built at St. Robert High School.
- The seasonal dome covers 1/3 of the artificial turf field to facilitate year round use.
- For the 2011/2012 season (Oct 1, 2011 – April 15, 2012)
 - ✓ 1227.30 hours booked
 - ✓ 24 rentals
 - ✓ 177 bookings
- Outdoor season (April 20, 2012 – Sept 20, 2012)
 - ✓ 1090.30 hours
 - ✓ 9 rentals
 - ✓ 199 bookings



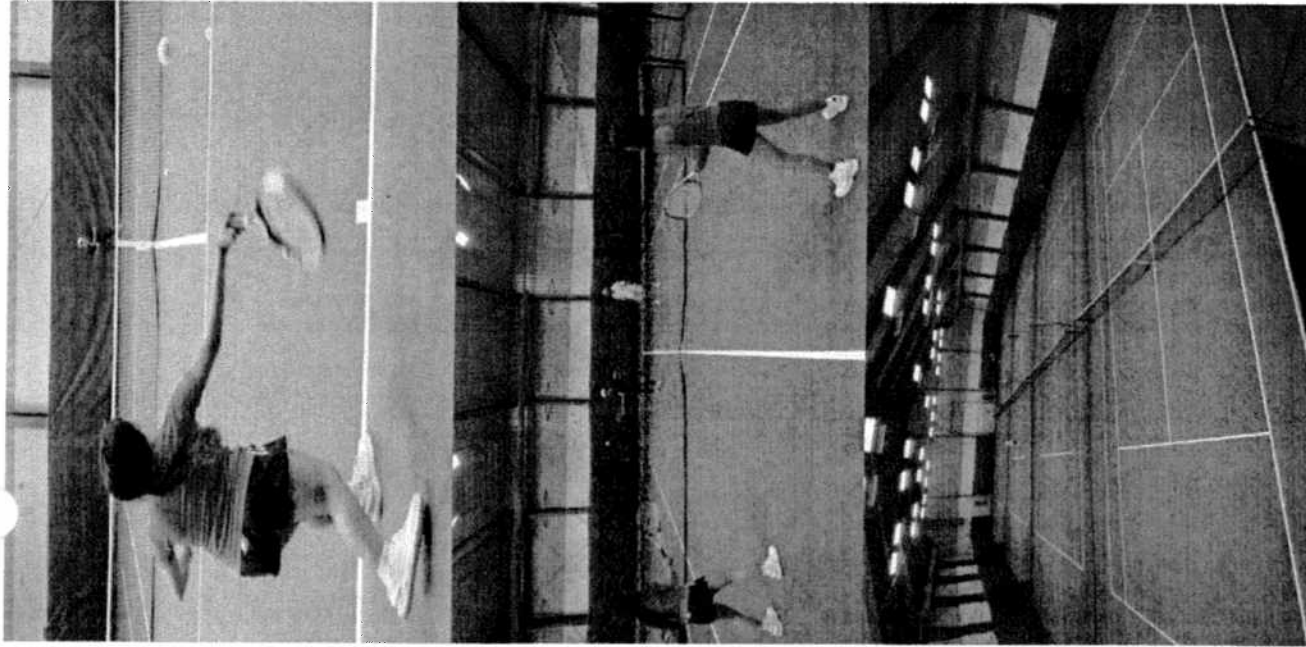
Indoor Tennis Centre

Angus Glen Community Centre 3990 Major Mackenzie Drive

The new Angus Glen indoor tennis facility adjacent to the Angus Glen Community Centre and Library will comprise 30,800 sq. ft. The new facility will include four tennis courts and a two lane perimeter running track. In addition, a fully accessible 2 storey clubhouse of approximately 3,000 sq. ft. will accompany the tennis structure and will include a viewing gallery, change rooms, washrooms, and a reception area.



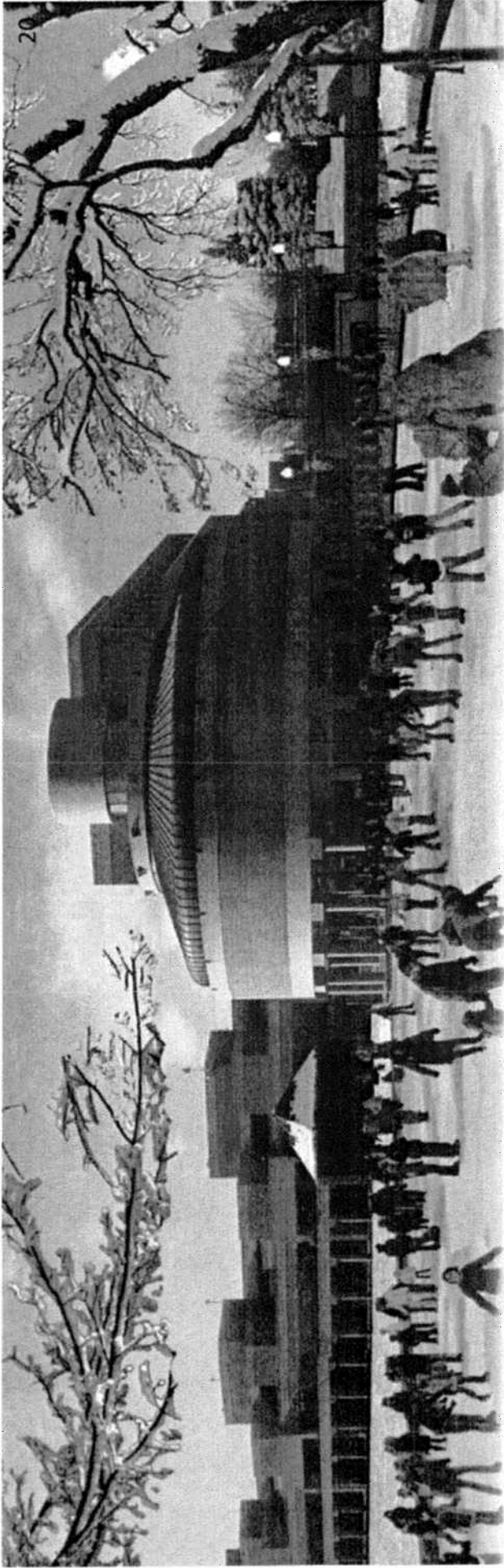
Architect:
The Ventin Group Ltd.
Landscape Architect:
Dillon Consulting
Project Manager:
Town of Markham
Construction:
May 1, 2010 – March 2011
Budget:
\$ 1,700,000
(Recreation Infrastructure Funding)



Angus Glen Tennis Centre

Opened July 2011

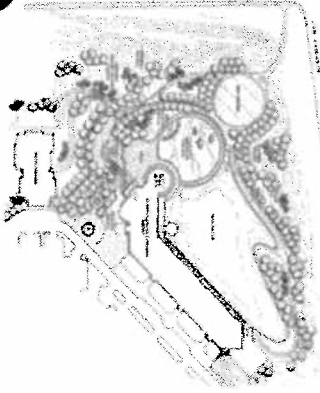
- 1299 Privilege Cards have been issued
- 392 hours of court booking available weekly- currently operating at 85% of capacity overall
- Primetime usage is 95% of the available time
- Tennis lessons are very successful – continue to expand during non –prime hours to accommodate waiting lists.
- In March 2012 we introduced a new Pro shop - includes stringing racquets, and sale of tennis items such as grip wraps, balls etc.
- New Program offerings include:
 - Cardio Tennis
 - Summer outdoor clinics
- Successfully ran Holiday Camp Programs: Christmas, March Break and summer.



Outdoor Artificial Ice Rink

Markham Civic Centre 101 Town Centre Boulevard

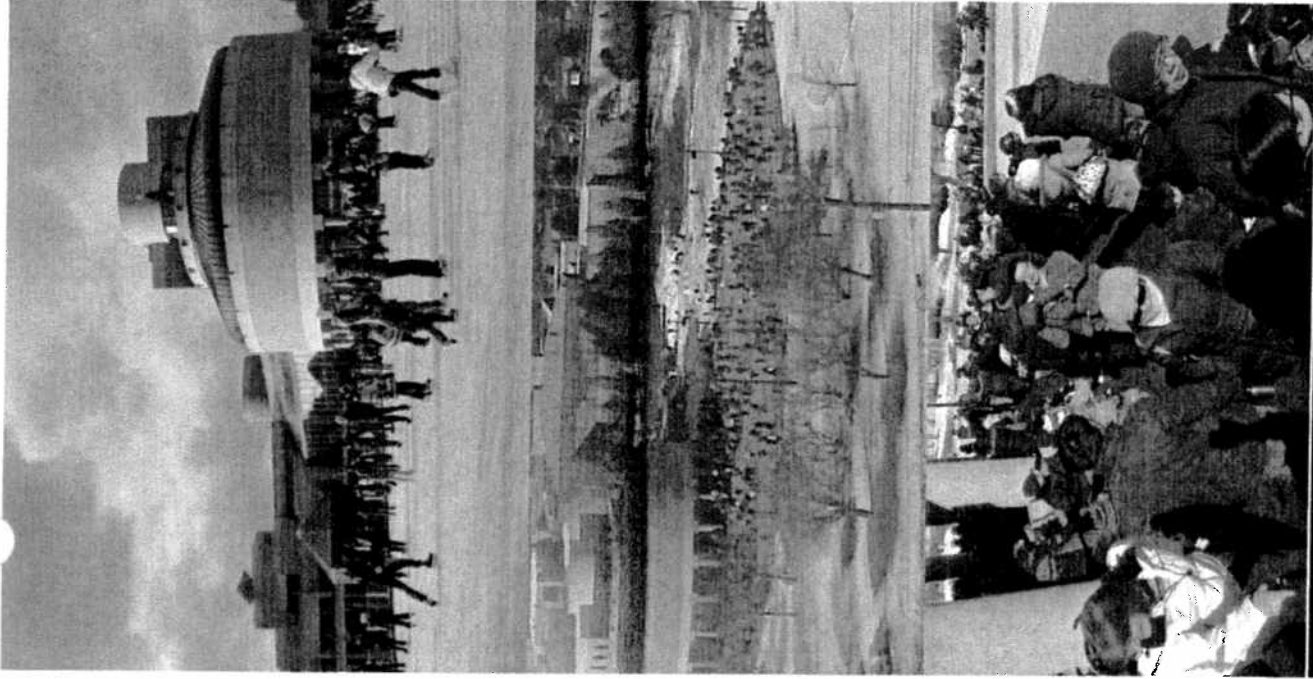
A unique, outdoor artificial ice surface located at the Markham Civic Centre. The artificial ice surface, approximately 25,000 square feet and the largest in the Greater Toronto Area, will be accompanied with extensive landscaping, washroom facilities and a dedicated building for the ice surfacing machine and refrigeration equipment.



Landscape Architect:
Dillon Consulting
Architect:
Ventin Group Ltd.
Project Manager:
O.P. McCarthy & Associates Inc.
Construction:
May 2010 - March 2011
Budget: \$ 3,530,000
(Recreation Infrastructure Funding)

Stimulus & RInC Projects Update





Civic Ice Rink

Opened Dec 2011

- Estimated seasonal attendance **15,000+**

For the 2012/2013 Operating Season:

- Staff currently developing a RFP for Ice Rental Concession.
- Site Modification to be made to adjust for water run off on to ice (drainage swale to be developed on south side of the site)
- Staff currently reviewing options for safe snow dumping which may include more regular removal of snow off the site and development of additional hard surface area. (additional information to be provided to Council based on outcome of options)

Next Steps:

1. Finalizing Reporting & billing with
Infrastructure Ontario
2. Report by June 2012 to Council

