

Adopted by Council at its meeting held November 16, 2015 [M465-2015]

/AC

Windsor, Ontario November 16, 2015

REPORT NO. 307 of the
ENVIRONMENT, TRANSPORTATION & PUBLIC SAFETY
STANDING COMMITTEE
of its meeting held October 21, 2015

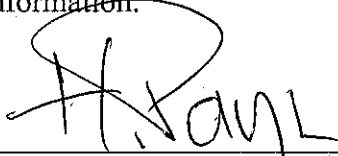
Present: **Councillor Fred Francis**
 Councillor Chris Holt
 Councillor Hilary Payne (Vice Chair)
 Councillor Paul Borrelli

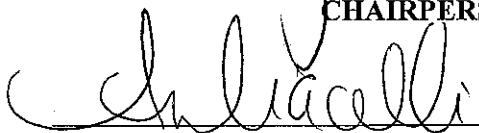
Regrets: **Councillor Bill Marra**

That the following recommendations of the Environment, Transportation and Public Safety Standing Committee **BE APPROVED:**

Moved by Councillor Francis, seconded by Councillor Borrelli,
That the minutes of the Windsor Essex County Environment Committee meeting held July 30, 2015 **BE RECEIVED** for information.
Carried.

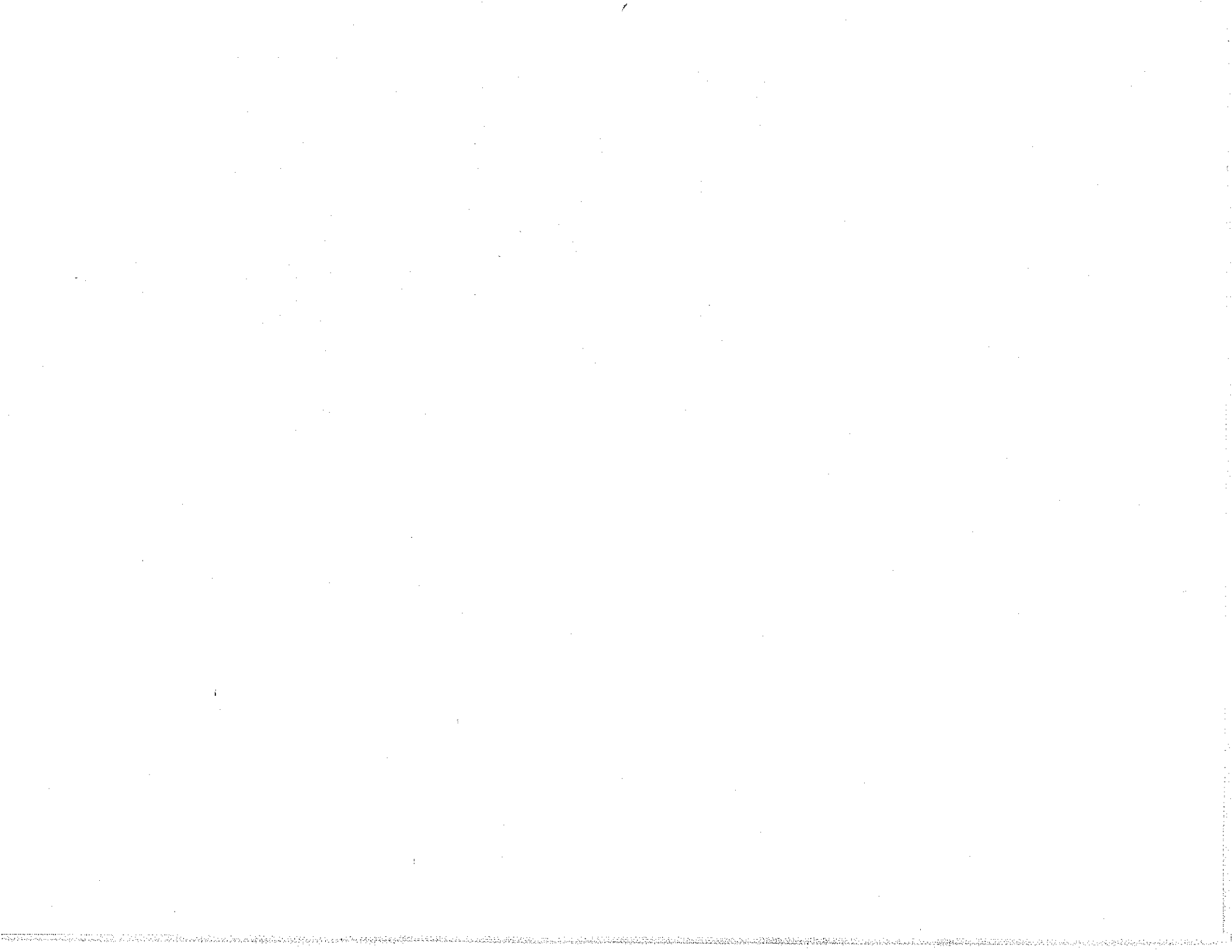
Clerk's Note: The minutes of the Windsor Essex County Environment Committee meeting held July 30, 2015 are attached as background information.



CHAIRPERSON


SUPERVISOR OF COUNCIL SERVICES

NOTIFICATION:	
NAME	CONTACT INFORMATION



KK/
Windsor, Ontario July 30, 2015

A meeting of the Windsor Essex County Environment Committee is held this day commencing at 5:30 o'clock p.m. at the Ojibway Nature Centre, there being present the following members:

Councillor Bill Marra, Chair
Councillor Fred Francis
Deputy Mayor Joe Bachetti, Town of Tecumseh, Vice Chair
Derek Coronado
Mike Nelson
Joe Passa
Dr. Edwin Tam
Radwan Tamr (arrives at 5:42 p.m.)

Absent:

Mayor Gary McNamara, Town of Tecumseh
Jesse Gardner Costa

Guests in attendance:

Scott Wylie, Wytech Building Envelope Solutions, regarding Item 6.1
Stefan Fediuk, City of Windsor Parks Landscape Architect, regarding Item 6.2
Rick Coronado
David Hanna

Also present are the following resource personnel:

Averil Parent, Environment & Sustainability Coordinator
Phil Roberts, Executive Director, Parks
Karen Kadour, Committee Coordinator

1. CALL TO ORDER

The Committee Coordinator calls the meeting to order at 5:31 o'clock p.m. and the Committee considers the Agenda being Schedule "A" attached hereto, matters which are dealt with as follows:

2. ELECIION OF CHAIR AND VICE CHAIR

The Committee Coordinator calls for nominations from the floor for the position of Chair. Councillor Francis nominates Councillor Marra, seconded by M. Nelson for the position of Chair. The Committee Coordinator asks if there are further nominations from the floor for the position of Chair. Seeing none, the Committee Coordinator asks Councillor Marra if he accepts. Councillor Marra accepts.

Moved by Councillor Francis, seconded by M. Nelson,
That Councillor Bill Marra **BE ELECTED** Chair of the Windsor Essex County Environment Committee.
Carried.

The Committee Coordinator calls for nominations from the floor for the position of Vice Chair. Councillor Francis nominates Deputy Mayor Joe Bachetti, seconded by Councillor Marra for the position of Vice Chair. The Committee Coordinator asks if there are further nominations from the floor for the position of Vice Chair. Seeing none, the Committee Coordinator asks if Deputy Mayor Joe Bachetti accepts. Deputy Mayor Joe Bachetti accepts.

Moved by Councillor Francis, seconded by Councillor Marra,
That Deputy Mayor Joe Bachetti **BE ELECTED** Vice Chair of the Windsor Essex County Environment Committee.
Carried.

Councillor Marra assumes the Chair.

3. ADDITIONS TO THE AGENDA

None.

4. DECLARATIONS OF CONFLICT

None disclosed.

5. MINUTES

Moved by Councillor Francis, seconded by Dr Tam,
That the minutes of the meeting of the Windsor Essex County Environment Committee held June 25, 2015 **BE ADOPTED** as presented.
Carried.

6. PRESENTATIONS

6.1 Tremco/Bio Roof: Green Roofs and their Implementation in Toronto

Scott Wylie, Wytech, Building Envelope Solutions is present to provide information relating to green roofs. The Presentation entitled "Wytech Building Envelope Solutions" is attached as Appendix "A".

The salient points of discussion relating to the presentation are as follows:

- Photos of roof top gardens are provided in various locations including – Rockefeller Centre, New York, Queen's Quay Terminal, Toronto, Fairmount Royal York Hotel, Toronto, Metro Toronto Convention Centre, Toronto, Canadian War Museum, Ottawa, Ontario Science Centre, Toronto, Covenant House, Toronto, Accelerator Centre, University of Waterloo, St Christopher RCSS, Windsor, David Suzuki Public School, Windsor
- Overview of the City of Toronto Green Roof Building Standard and the Toronto Green Roof Construction Standard
- Young people want to live in downtown buildings that are sustainable with environmental and health benefits including green roofs.
- Key concepts include:
 - Start small and implement policies in stages. Policies have to be coordinated and integrated across sectors and levels of government to achieve maximum effectiveness.
 - Foster citizen participation and communicate policies effectively.
 - Find innovative solutions and embrace bipartisanship. Successful green policies in Germany were designed to meet the needs of multiple constituents.

The Chair leaves the meeting at 7:01 o'clock p.m. The Vice Chair assumes the Chair.

The Vice Chair thanks Mr. Wylie for his presentation.

6.2 Stefan Fediuk, City of Windsor Parks Landscape Architect

Stefan Fediuk, City of Windsor Parks Landscape Architect is present to provide an update on the Parks Master Plan. The PowerPoint Presentation entitled "Parks & Recreation Master Plan" is attached as Appendix "B". An overview of the presentation is provided as follows:

- An updated Master Plan is required to reflect the current recreational needs of the entire community in order to provide long range guidance for the future development and preservation of Windsor's system of open spaces, parks and trails.
- WECEC is encouraged to provide ideas and comments regarding the future of the parks and recreation system by completing the "Parks & Recreation – Master Plan Public Feedback Survey – June 2015", attached as Appendix "C".

- Two questions are posed to WECEC:
 - What do you value most in Parks and Recreation?
 - What city park or facility best suits particular needs of your community? And why?

Dr. Tam suggests diversity in parks and proximity. In terms of the Guiding Principles, he expresses concern with sustainability.

D. Coronado states instead of Windsor being the “City of Roses” that Windsor be the “City of Biodiversity”.

P. Roberts indicates parks are the health and the environmental health (urban cooling) of a community.

The Vice Chair thanks S. Fediuk for his presentation.

7. BUSINESS

7.1 Terms of Reference and Mandate

Moved by Deputy Mayor J. Bachetti, seconded by Councillor Francis,
That the *Revised Terms of Reference* dated July 2015 for the Windsor Essex County Environment Committee **BE APPROVED**.
Carried.

7.2 Draft WECEC 2015 Work Plan

A. Parent provides an overview of the WECEC Work Plan 2015 – Draft document.

Councillor Francis suggests under Priorities to change the wording from “Private Tree Cutting By-law” to Review of the current tree by-law.

Moved by Councillor Francis, seconded by Dr. Tam,
That the WECEC Work Plan 2015 – Draft document **BE RECEIVED**.
Carried.

8. COORDINATOR’S REPORT

A. Parent provides a list of potential speakers for the upcoming Green Speaker Series.

Moved by M. Nelson, seconded by Dr. Tam,
That **APPROVAL BE GIVEN** to an expenditure in the upset amount of \$3,000 for the Green Speaker Series to be held in October 2015 at a venue to be determined, and further, that

the Environment & Sustainability Coordinator **BE DIRECTED** to investigate the availability of Sarah Elton and David Noble as potential Green Speakers.

Carried.

9. **SUBCOMMITTEE REPORTS**

9.1 **Air**

No report.

10. **NEW BUSINESS**

A. Parent provides the following updates relating to City of Windsor Environmental Issues:

- Report regarding the Air Quality Health Index to be presented to Council in the future
- Updating the Smog Action Plan and the Anti-Idling By-law
- Working on the Community Energy Plan and the Greenhouse Gas Mitigation Plan

Moved by Councillor Francis, seconded by Dr. Tam,

That the updates relating to City of Windsor environmental issues provided by the Environment and Sustainability Coordinator **BE RECEIVED**.

Carried.

It is suggested a discussion be held at the September 24, 2015 WECEC meeting regarding "green roofs". P. Roberts requests administration glean the City of Windsor's Environmental Master Plan and provide what current policies are in place.

J. Passa indicates a by-law is required to address reservoirs and storm water management.

11. **COMMUNICATIONS**

Moved by Councillor Francis, seconded by Deputy Mayor J. Bachetti,

That the following communications **BE RECEIVED**:

- 11.1 Construction Canada Green Building Festival Coming to Toronto this Fall
- 11.2 City of Windsor's 20 Year Strategic Vision
- 11.3 Downtown Transportation Strategy notice of study commencement and public info centre
- 11.4 Environment Canada seeking public input on draft phosphorus targets developed for Lake Erie
- 11.5 Green Roofs for Healthy Cities Online green roof training
- 11.6 Green Infrastructure Ontario: Ontario's Urban Forests Call to Action

Carried.

Moved by M. Nelson, seconded by D. Coronado,
That City/County Councils **BE REQUESTED** to support the Call for Action to join the Green Infrastructure Ontario Coalition to realize the vision for the conservation, maintenance and improvement of green infrastructure across Ontario.

Carried.

J. Passa expresses concern with the "lack of "green" focus in the City of Windsor's 20 Year Plan.

A Parent suggests inviting City Administration to a future WECEC meeting to speak to the 20 Year Plan.

12. DATE OF NEXT MEETING

The next meeting will be held on September 24, 2015 at 5:30 p.m. at the Ojibway Nature Centre.

13. ADJOURNMENT

There being no further business, the meeting is adjourned at 7:05 o'clock p.m.

CHAIR

COMMITTEE COORDINATOR



AGENDA
WINDSOR-ESSEX COUNTY ENVIRONMENT COMMITTEE
held on July 30th, 2015
Meeting at 5:30p.m at the Ojibway Nature Centre

1. **CALL TO ORDER**

2. **ELECTION OF CHAIR AND VICE CHAIR**

3. **ADDITIONS TO THE AGENDA**

4. **DECLARATION OF CONFLICT**

5. **MINUTES**

Adoption of the minutes of the meeting held June 25th, 2015 – *emailed separately.*

6. **PRESENTATION**

6.1 Tremco/Bio Roof: Green roofs and their implementation in Toronto

6.2 Stefan Fediuk, City of Windsor Parks Landscape Architect: Update on the Parks Master Plan.

7. **BUSINESS**

7.1 Terms of Reference and Mandate – *attached.*

7.2 Draft WECEC 2015 Work Plan – *attached.*

COORDINATORS REPORT

WECEC Coordinator Monthly Report – *attached.*

9. **SUBCOMMITTEE REPORTS**

9.1 Air

10. **NEW BUSINESS**

10.1 Update on City of Windsor environmental initiatives

11. **COMMUNICATIONS**

11.1 Construction Canada: Green Building Festival Coming to Toronto this Fall – *attached.*

11.2 City of Windsor's 20 year strategic vision – *attached.*

11.3 Downtown Transportation Strategy notice of study commencement and public info centre – *attached.*

11.4 Environment Canada seeking public input on draft phosphorus targets developed for Lake Erie – *attached.*

11.5 Green Roofs for Healthy Cities: Online green roof training – *attached.*

11.6 Green Infrastructure Ontario: Ontario's Urban Forests Call to Action – *attached.*

12. **DATE OF NEXT MEETING**

The date of the next meeting is September 24th 2015 at the Ojibway Nature Centre.

13. **ADJOURNMENT**



building envelope solutions

Scott Wylie

Add beauty and reclaim the
once neglected "fifth
elevation" of a building

"We shape our
dwellings and
afterward, our
dwellings shape our
lives."

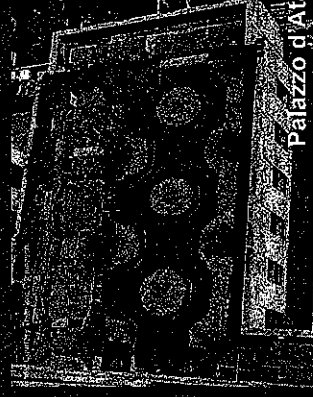
Winston Churchill
1960



Rockefeller Centre
New York, New York



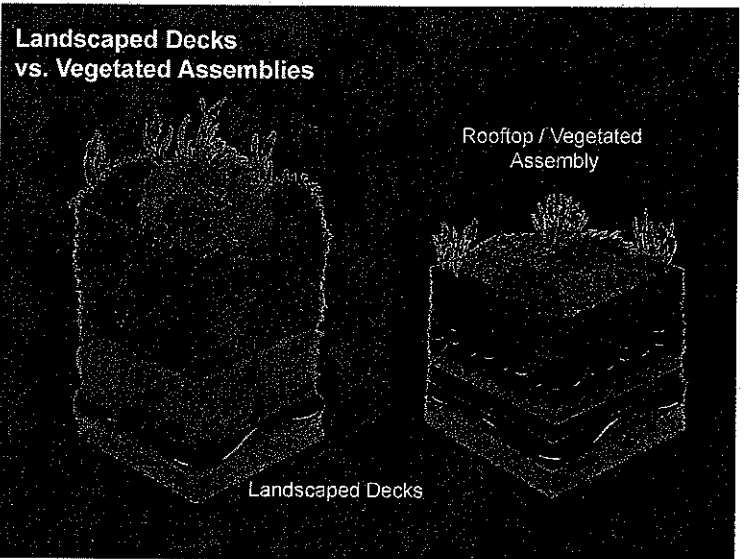
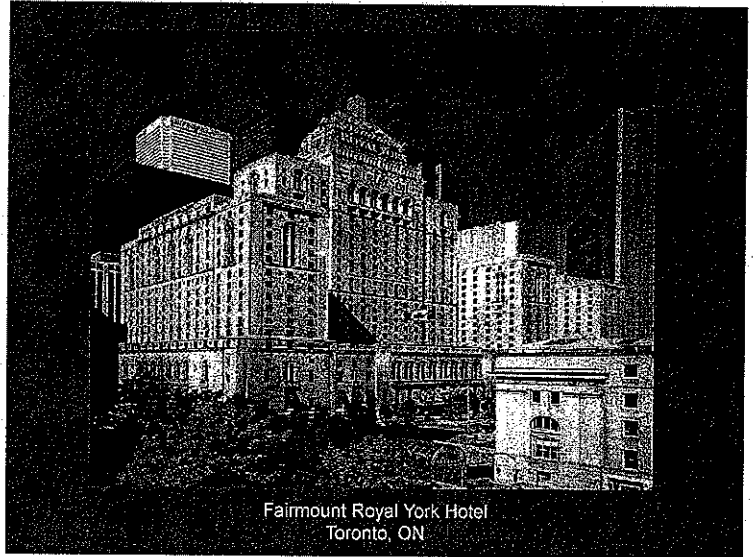
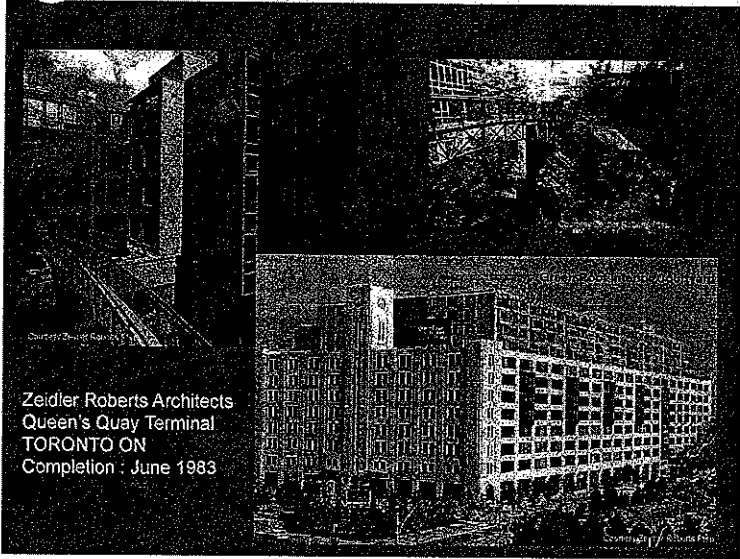
Rockefeller Centre
New York, New York



Palazzo d'Atalia



La Maison Franca



Landscape Deck

Plants

Overburden / Soil

Drainage layer (Optional)

Protection Course

Roofing / Waterproofing Membrane
Structural Deck



Rooftop Vegetated Assemblies

Vegetation

Engineered Growing Medium

Filter Cloth / Root Barrier (Optional)

Water Drainage, Moisture
Retention & Aeration layer

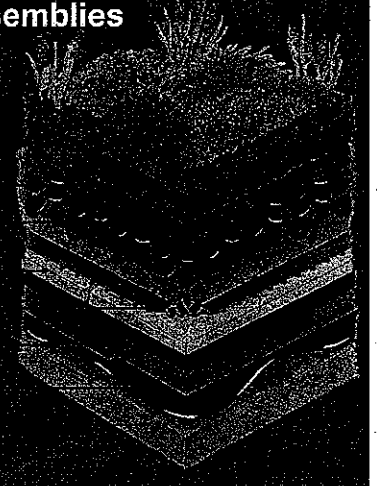
Extruded Polystyrene Insulation

Protection Mat (Optional)

Root Barrier (Optional)

Roofing / Waterproofing Membrane

Structural Deck



Green Roof Innovation Testing Laboratory (GRIT Lab)



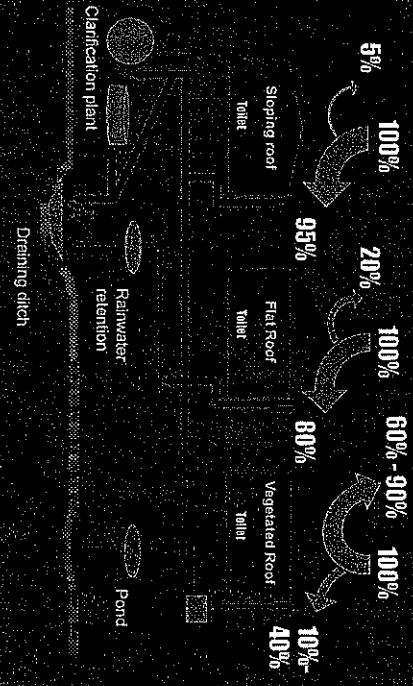
Goal is to investigate the environmental performance associated with 'green' & 'clean' technologies such as green roofs, green walls and photovoltaic arrays.

Selected Cities and Their Dedicated Green Roof Policies

- Minneapolis Stormwater Utility Fee Credit – established 2005
- Chicago Green Permit Program – established 2006
- Washington DC Green Roof Rebate Program – established 2007
- Philadelphia Green Roof Tax Credits – established 2007
- Anne Arundel County (MD) Stormwater Management Tax Credit – established 2008
- State of New York Green Building Construction Act – established 2009
- Toronto Green Roof Bylaw and Eco-Roof Incentive Program – established 2009
- Onondaga County (Syracuse, NY) Green Improvement Fund – established 2010
- Milwaukee Metropolitan Sewerage District Regional Green Roof Initiative – established 2010
- Austin (TX) Green Roof Density Bonus – established 2011
- Nashville (TN) Green Roof Rebate – established 2012
- Richmond (VA) Fast-Track Permitting – established 2012
- Atlanta Post-Development Stormwater Management Ordinance – established 2013
- Prince Georges County (MD) Rain Check Rebate Program – established 2013

Stormwater - where from... where to

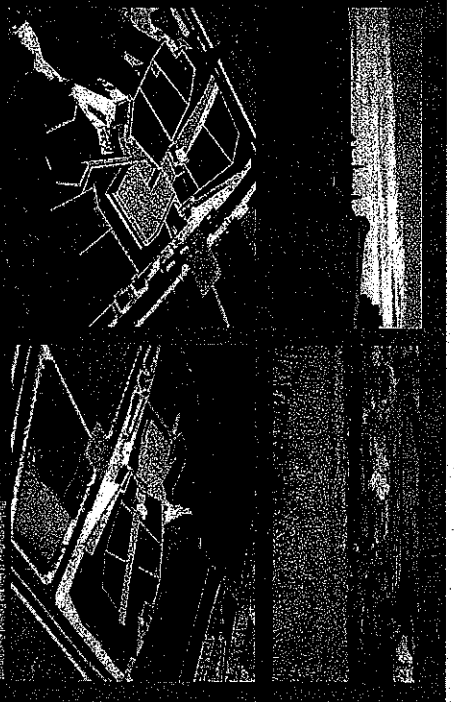
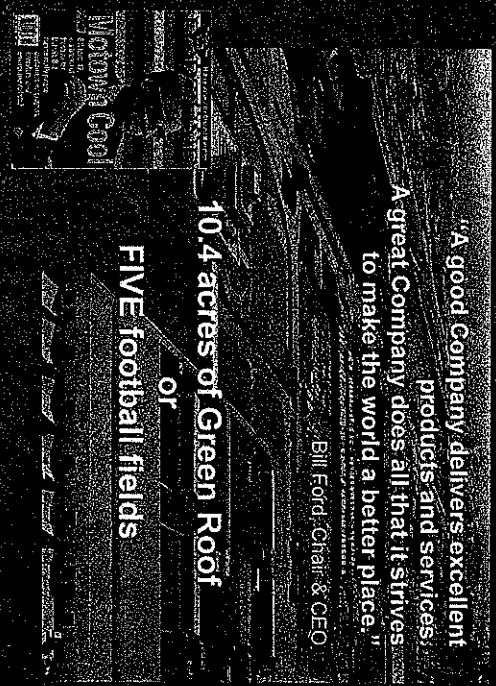
Urban Storm Water First Step
to environmental protection



"A good Company delivers excellent products and services. A great Company does all that it strives to make the world a better place."

Bill Ford, Chair & CEO

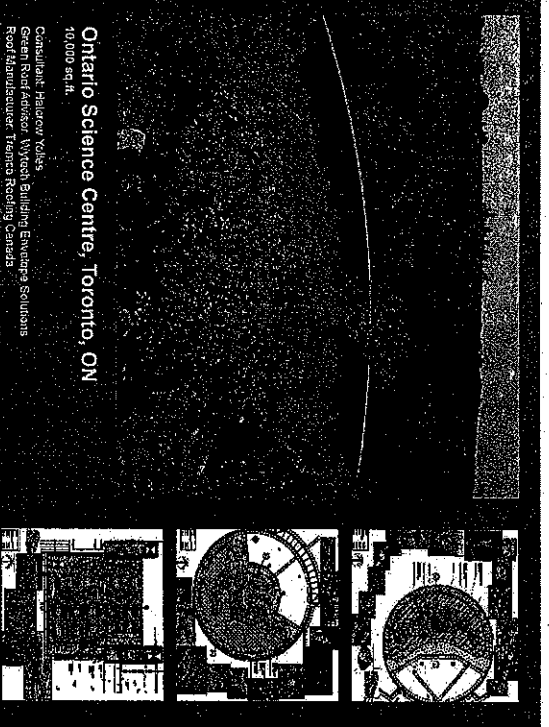
10.4 acres of Green Roof
or
FIVE football fields



Canadian War Museum, Ottawa ON,

150,000 sq.ft.

Architect: Moriyama & Teshima Architects
Advisor: Wynne Building Envelope Solutions
Roof Manufacturer: Tenence Roofing Canada



Ontario Science Centre, Toronto, ON

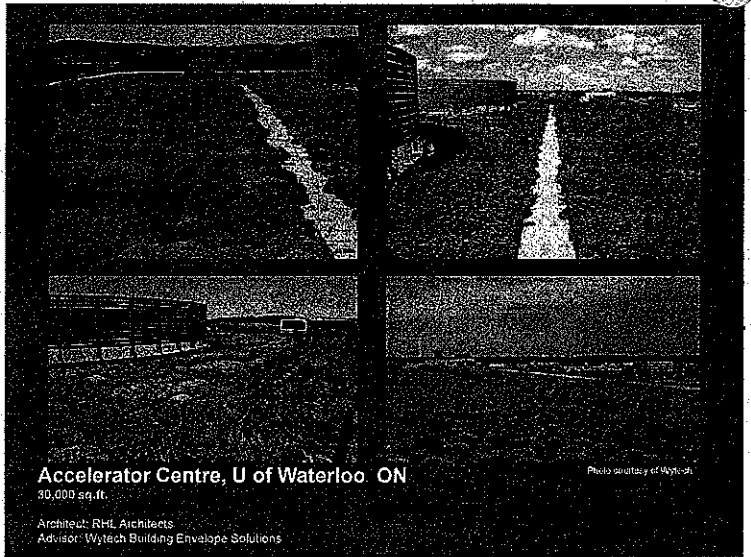
10,000 sq.ft.

Consultant: Palacios Volk
Green Roof Advisor: Wynne Building Envelope Solutions
Roof Manufacturer: Tenence Roofing Canada



Covenant House, Toronto ON

Landscape Contractor: Ruth & Associates
 Green Roof Advisor: Wytach Building Envelope Solutions
 Roof Manufacturer: Tremco Roofing Canada



Accelerator Centre, U of Waterloo ON
 30,000 sq.ft.

Architect: RHL Architects
 Advisor: Wytach Building Envelope Solutions

Photo courtesy of Wytach

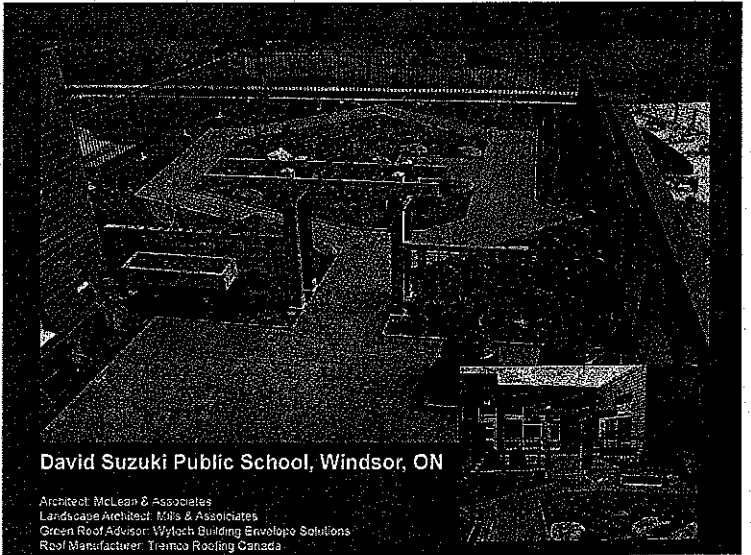


St. Christopher RCSS, Windsor ON

5,000 sq.ft.

Architect: Pless & Associates
 Advisor: Wytach Building Envelope Solutions
 Roof Manufacturer: Tremco Roofing Canada

Photo courtesy of Pless Architects



David Suzuki Public School, Windsor, ON

Architect: McLean & Associates
 Landscape Architect: Mills & Associates
 Green Roof Advisor: Wytach Building Envelope Solutions
 Roof Manufacturer: Tremco Roofing Canada