

Failure to fully complete this form may result in rejection.  
 Making a false statement may result in a fine or prosecution  
 under the *Technical Standards and Safety Act*

Licence Number 76647095

Check applicable type of propane operations.

- Cylinder     Motor Fill     Filling Plant     Card/Keylock

Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.

**SECTION A: GENERAL INFORMATION**

The Undersigned applies to TSSA for a review for an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

**A** Company Name Ontario Corporation No., if applicable  
 Costco Wholesale (Canada) Ltd.

Operator Name (if different from above)  
 Frank Chislette (Agent/Warehouse Manager)

Telephone No. 1-800-463-3783    Fax No. N/A    E-mail service@costco.ca

**B** Street No. 415    Street Name / 911 Number / Address, if applicable West Hunt Club Road

Town / City or Township / County Ottawa    Province Ontario    Postal Code K2E 1C5

Mailing address if different from above.

**C** Street No. same    Street Name / 911 Number / Address, if applicable

Town / City or Township / County    Province    Postal Code

**Information on Container Refill Centre or Filling Plant**

Location of facility.

**D** Street No. 35    Street Name / 911 Number / Address, if applicable John Birchall Road    Nearest Major Intersection John Birchall Road & Elgin Mills Road

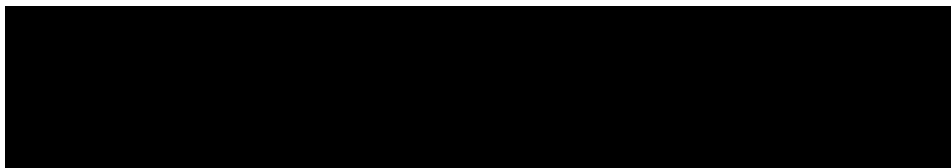
Town / City or Township / County Richmond Hill    Province Ontario    Postal Code L4S 0B2

Name of Licence Holder  
 Frank Chislette (Agent/Warehouse Manager) on behalf of Costco Wholesale Ltd.

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT).    ROT type  
 Robert Moyer    100-08-77281

Municipality (or municipalities if the facility or its hazard distance touches multiple borders)  
 Town of Richmond Hill

Hours of operation.



*Kalmey Process Safety, Superior Propane 20/02/2012*

This document is valid until the next licence renewal date. You are required by law to notify TSSA of any change of information.



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**Level 1 Risk and Safety Management Plan (RSMP)**  
*Technical Standards and Safety Act*  
 Propane Storage and Handling Regulation

This Level 1 RSMP applies to:
 

- a facility with a total propane storage capacity of 5,000 USWG or less; or
- a facility with a fixed propane storage capacity of exactly 5,000 USWG and no more than 500 USWG of portable propane storage capacity on site.

<p>Failure to fully complete this form may result in rejection.          Making a false statement may result in a fine or prosecution          under the <i>Technical Standards and Safety Act</i></p>	<p>For Office Use Only</p>
<p>Licence Number: 76647095</p> <p>Check applicable type of propane operations:</p> <p><input checked="" type="checkbox"/> Cylinder    <input type="checkbox"/> Motor Fuel    <input type="checkbox"/> Filling Plant    <input type="checkbox"/> Card/Keylock</p> <p>Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.</p>	

**SECTION A: GENERAL INFORMATION**

The Undersigned applies to TSSA for a review for an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

Company Name:		Ontario Corporation No., if applicable:	
A Costco Wholesale (Canada) Ltd			
Operator Name (if different from above): Frank Chislette (Agent/Warehouse Manager)			
Telephone No:	Fax No:	E-mail:	
1-800-463-3783	N/A	service@costco.ca	
B Street No: 415    Street Name / 911 Number / Address, if applicable: West Hunt Club Road			
Town / City or Township / County: Ottawa		Province: Ontario	Postal Code: K2E 1C5
Mailing address if different from above.			
C Street No: 5075    Street Name / 911 Number / Address, if applicable:			
Town / City or Township / County:		Province:	Postal Code:

Information on Container Refill Centre or Filling Plant			
Location of facility			
D Street No: 35	Street Name / 911 Number / Address, if applicable: John Birchall Road	Nearest Major Intersection: John Birchall Road & Elgin Mills Road	
Town / City or Township / County: Richmond Hill		Province: Ontario	Postal Code: L4S 0B2

Name of Licence Holder: Frank Chislette (Agent/Warehouse Manager) on behalf of Costco Wholesale Ltd	
Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Robert Moyer	ROT type: 100-08-77281
Municipality (or municipalities if the facility or its hazard distance touches multiple borders): Town of Richmond Hill	
Hours of operation: [REDACTED]	

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Print name	Signature	Date (dd-mm-yyyy)
Name of Licence Holder: Frank Chislette (Agent/Warehouse Manager) on behalf of Costco		11/2/11
Name of Senior Management person as defined in the Regulation holding the Record of Training: Robert Moyer		



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**Level 1 Risk and Safety Management Plan (RSMP)**  
**Technical Standards and Safety Act**  
Propane Storage and Handling Regulation

**SECTION A: GENERAL INFORMATION (cont'd)**

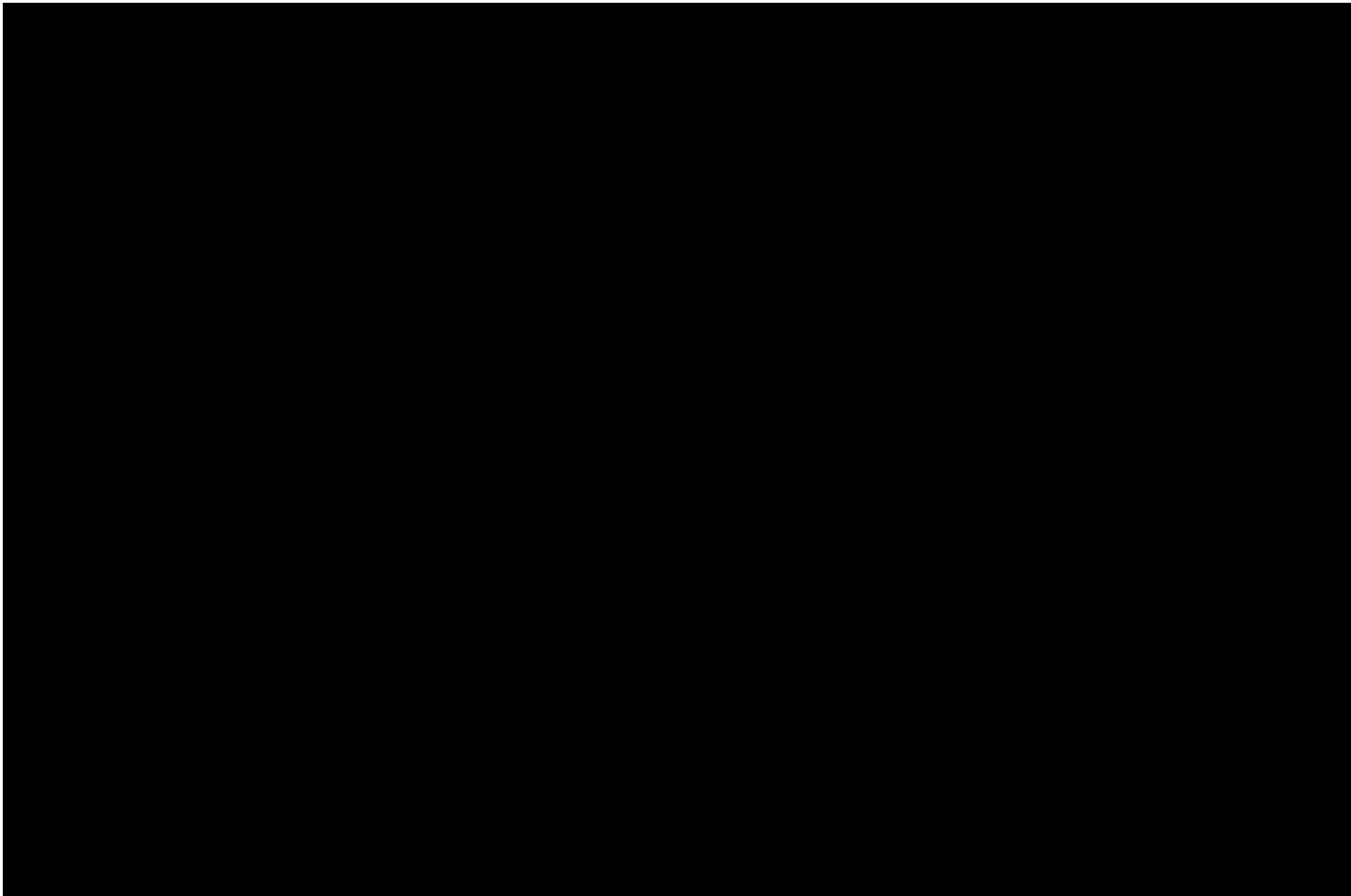
Indicate the year the facility was established. 2007	Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. None
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Identify the psig rating and serial number for each fixed propane storage tank on site.

	PSIG	Serial Number
Tank 1:	250	5.592879
Tank 2:	_____	_____
Tank 3:	_____	_____

Enter capacity of propane in USWG, fixed, portable, and mobile, and provide detailed inventory that includes the number of tank/vessel for each type (fixed, portable, and mobile) and the capacity of each tank/vessel, on a separate document.

Fixed: 2000 USWG      Portable: 346 USWG      Mobile: 0



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Name of person completing this form (please print) Kelly Almey	Official Title Process Safety Coordinator, Superior Propane	
Signature <i>K. Almey</i>	Telephone No. 905-285-2480 x 5549	Date (dd-mm-yyyy) 20--2-2012



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**Level 1 Risk and Safety Management Plan (RSMP)**  
**Technical Standards and Safety Act**  
**Propane Storage and Handling Regulation**

**SECTION A: GENERAL INFORMATION (cont'd)**  
Activity Information

<b>Name of Propane Supplier(s)</b> Superior Propane - Ontario Regional Operations Centre			
<b>Street No.</b> 251	<b>Street Name / 911 Number / Address, if applicable</b> Woodlawn Road West, Unit 217		
<b>Town / City or Township / Country</b> Guelph		<b>Province</b> Ontario	<b>Postal Code</b> N1H 8J1
<b>Telephone No.</b> 1-877-873-7487	<b>Fax No.</b> 519-836-7766	<b>Contact Name</b> Mike Mullins	
<b>E-mail</b> mullinsm@superiorpropane.com			

<b>Name of Propane Transporter.</b> If same as above, please check box. <input type="checkbox"/>			
Superior Propane - Whitby			
<b>Street No.</b> 505	<b>Street Name / 911 Number / Address, if applicable</b> Victoria St. East		
<b>Town / City or Township / Country</b> Whitby		<b>Province</b> On	<b>Postal Code</b> L1N 5S4
<b>Telephone No.</b> 289-356-5985	<b>Fax No.</b> N/A	<b>Contact Name</b> Pierre Mousseau	
<b>E-mail</b> pierre_rousseau@superiorpropane.com			

<b>Off-site Cylinder and/or Mobile Storage</b> None	<b>Capacity stored off-site, in USWG</b>	<b>For Office Use - Party No.</b>
<b>Street No.</b>	<b>Street Name / 911 Number / Address, if applicable</b>	
<b>Town / City or Township / Country</b>		<b>Province</b>
<b>Telephone No.</b>		<b>Postal Code</b>
<b>Fax No.</b>	<b>Contact Name</b>	

Note: Customer storage is not considered off-site storage.

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<b>Name of person completing this form (please print)</b> Frank Chislette	<b>Official Title</b> Warehouse Manager
<b>Signature</b> 	<b>Telephone No.</b> 905-780-2100
	<b>Date (dd-mm-yyyy)</b> 17/02/2012



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**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN**

The licence holder will complete Section B in consultation with the local Fire Services.

Description of the maximum volume, types and storage location of other hazardous materials on site, if any.

Gasoline - maximum 20 litres stored in fire proof storage chest in the Tire Shop

Description of fire and emergency equipment indicated on facility site map.

Fire Extinguishers - Type: ABC - located at:

1. Tire shop entrance
2. Propane filling station
3. Bay 4 in garage by fire exit

List of fire protection controls (e.g., fire detection systems, fire notification systems, alarm systems, automatic shut off devices, fusible links, etc.) and describe their function, use and operation.

1. Fusible link on ISC valve - Isolation valve between the tank and the downstream propane dispensing equipment.
2. Emergency stop lever - mounted inside the dispenser cabinet. This shuts down the pump.
3. Emergency stop push button - by Bay 4 of the Tire Shop. This shuts down the pump.
4. Fuse/power supply breaker - inside the building. This cuts all power to the propane system - shuts down pump; closes solenoid valve.

Maintenance and testing schedule for fire protection controls and devices.

Maintenance and testing is undertaken by Superior Propane according to Superior Propane's Maintenance Standard. Schedule for key equipment is:

1. Pumps (Pumps every 3 months; Pump motor; check belts monthly; grease motor every 6 months)
2. ISC Valves (test for closure every 6 months)
3. Storage tank Relief Valves - inspect every 2 years; replacement schedule as per provincial regulations.
4. Fusible links - Inspected every 6 months
5. Fire extinguishers maintained by Costco as per Ontario fire regulations. Maintenance records kept for 5 years.

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Name of person completing this form (please print) Frank Chislette	Official Title Warehouse Manager
Signature 	Telephone No. 905-780-2100
	Date (dd-mm-yyyy) 17/02/2012



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**Level 1 Risk and Safety Management Plan (RSMP)**  
**Technical Standards and Safety Act**  
**Propane Storage and Handling Regulation**

**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

**1. Contacts for Emergency Response**

**1. Facility Contact Personnel - Key Contact**

Name Sevag Demirjian	For Office Use - Party No.
Official Title Tire Centre Manager	
Telephone No. 905-780-2100	Fax No. 905-780-2104
E-mail w592ism@costco.com	
Role and responsibilities in emergency Coordinate site response	

**5. Facility 24-Hour Contact Person**

Name Frank Chislette	For Office Use - Party No.
Official Title Warehouse Manager	
Cell No. 705-434-8269	Fax No. 705-780-2104
E-mail w592mgr@costco.com	
Role and responsibilities in emergency Coordinate site response	

**2. Facility Contact Personnel - Alternate Contact**

Name Frank Chislette	For Office Use - Party No.
Official Title Warehouse Manager	
Telephone No. 905-780-2100	Fax No. 90-780-2104
E-mail w592mgr@costco.com	
Role and responsibilities in emergency Coordinate site response if agent unavailable.	

**6. Name of Facility Manager**

Name Sevag Demirjian	For Office Use - Party No.
Official Title Tire Centre Manager	
Telephone No. 905-780-2117	Fax No. 905-780-2104
E-mail w592ism@costco.com	
Role and responsibilities in emergency Coordinate site response	

**3. Local Fire Services - Key Contact**

Name Steve Kraft	For Office Use - Party No.
Official Title Fire Chief	
Telephone No. 905-883-5444	Fax No. 905-883-0868
E-mail fire@richmondhill.com or skraft@richmondhill.ca	
Role and responsibilities in emergency Coordinate/advise on Fire Service response. Liaise with police.	

**7. Propane Supplier Key Contact Person**

Name Superior Propane Hotline	For Office Use - Party No.
Official Title	
Telephone No. 1-877-873-7467	Fax No.
E-mail	
Role and responsibilities in emergency Identify and dispatch Superior Propane and or LPERGC emergency response personnel as required.	

**4. Local Fire Services - Alternate Contact**

Name n/a	For Office Use - Party No.
Official Title	
Telephone No.	Fax No.
E-mail	
Role and responsibilities in emergency Alternate - Coordinate/advise on Fire Service Response. Liaise with police.	

**8. Municipal Contact**

Name Joan Anderton	For Office Use - Party No.
Official Title CAO	
Telephone No. 905-771-5452	Fax No. 905-771-2406
E-mail janderton@richmondhill.ca	
Municipality York	

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Signature 	Telephone No. 905-780-2100
	Date (dd-mm-yyyy) 17/02/2012



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**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

**2. Additional Safety Measures**

Describe any other measures in place at the facility that exceed the minimum Code and Standards requirements.

Emergency Shut Off push button to shut down pump and close solenoid valve upstream of dispensing hoses.

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Signature 	Telephone No. 905-780-2100	Date (dd-mm-yyyy) 17/02/2012



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**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

**3. Record of Emergency Training Provided - For most recent 12-month period**

**Training on Emergency Response Plan and Procedures provided to facility key contacts:**

Training Date (dd-mm-yyyy) 2010	Print Name of Training Provider: Costco - Standard Costco Safety Training
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

**Training on the facility's Emergency Management Procedures provided to staff:**

Training Date (dd-mm-yyyy) 2010	Print Name of Training Provider: Costco - Standard Costco Safety Training
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

**On-site specific training provided to certificate holders / persons with Records of Training:**

Training Date (dd-mm-yyyy) to be arranged as required	Print Name of Training Provider: FSN Training or Other	Please note - ROT Training and certification is valid for 3 yrs
	Print Name of Instructor: to be arranged as required	
Training Date (dd-mm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	
Training Date (dd-mm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	

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Signature 	Telephone No. 905-780-2100
	Date (dd-mm-yyyy) 17/02/2012





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**Level 1 Risk and Safety Management Plan (RSMP)**  
**Technical Standards and Safety Act**  
**Propane Storage and Handling Regulation**

**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

**4. Emergency Training Plan for Coming Year**

**Training on Emergency Response Plan and Procedures provided to facility key contacts:**

Target Date (dd-mm-yyyy) 2011	Print Name of Training Provider: Costco - Standard Costco Safety Training	
	Print Name of Instructor:	
Target Date (dd-mm-yyyy) 1Q 2012	Print Name of Training Provider: Superior Propane or Other	Please Note: the course content is currently
	Print Name of Instructor: to be arranged	being developed by the industry and should be
Target Date (dd-mm-yyyy)	Print Name of Training Provider:	available for teaching in the fourth quarter of
	Print Name of Instructor:	this year

**Training on the facility's Emergency Management Procedures provided to staff:**

Target Date (dd-mm-yyyy) 1Q 2012	Print Name of Training Provider: Key site contact to train staff
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

**On-site specific training provided to certificate holders / persons with Records of Training:**

Target Date (dd-mm-yyyy) 14-04-2011	Print Name of Training Provider: Propane Training Institute	
	Print Name of Instructor: N/A	
Target Date (dd-mm-yyyy) TBA	Print Name of Training Provider: FSN Training or Other	Please note - ROT Training and certification is valid for 3 yrs
	Print Name of Instructor: to be arranged as required	
Target Date (dd-mm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	

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Signature 	Telephone No. 905-780-2100
	Date (dd-mm-yyyy) 17/02/2012



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**Level 1 Risk and Safety Management Plan (RSMP)**  
*Technical Standards and Safety Act*  
Propane Storage and Handling Regulation

**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

The licence holder will complete Section B in consultation with the local Fire Services.

**5. Emergency Response Communications Plan**

**Warnings and Actions**

Describe who gives warnings to whom, and how and when the warning will be given (including public notification as appropriate).  
The operator or alternate will contact emergency services by calling 911 and will provide warnings outlined in the attached "Propane Emergency Response Procedures" card (to be posted on site and part of the employee training). If it is safe to do so this could involve verbally advising neighbors to evacuate.  
The owner/operator may also contact Superior Propane via the emergency number identified in the ERP.

Describe what action is to be taken and by whom when a warning is issued (including details of a meeting place in a safe identified area and activating the evacuation plan, if necessary).  
The owner/operator or alternate should first follow the actions in the ERP provided herein. Staged evacuation, if the release of propane cannot be stopped by cutting electrical power may be required. The initial muster location will be on the sidewalk, at the entrance to the facility, off of John Birchall Road.  
Subsequent evacuation instructions potentially up to the Hazard Distance to be provided by municipal emergency responders.  
Residences and businesses beyond the site boundary to be notified by municipal emergency responders.

**Communication with Emergency Response Authorities**

Describe when and how the licence holder will give early warning to emergency response authorities (including a process to ensure that a call is placed to 911).  
When the system is operational, a ROT person will be on duty and be in the propane tank area. They key contact or alternate will be implementing ER actions including notifying emergency responders. Calling 911 will occur immediately after any attempts to shut down the system.

When the system is not in operation, the ISC valve (main isolation valve) is closed and the propane system is unattended but shutdown. Any incidents involving the propane tank during such times will require the intervention of random, nearby individuals or store staff.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.  
The propane tank system is located in a wide open area that is easily accessible from John Birchall Road.

Describe how the licence holder will ensure continual flow of updated information to authorities.  
The critical information required from the license holder is information on how to shut down the system and the fill level in the tank (if known)  
Fill level is relevant from a time to BLEVE perspective (a nearby empty tank will BLEVE sooner than a full tank if there is fire impingement on the tank).  
This information will be provided to the authorities by Frank Chislette either verbally if on site or by phone if after hours.

How long will it take the facility liaison person to respond to the site.  
It would take Frank Chislette approximately 1 hour to arrive on site after receiving the emergency call.

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**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

The licence holder will complete Section B in consultation with the local Fire Services.

**6. Building and Site Security and Procedures**

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is the schedule of maintenance and testing activities retained on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**7. Water Supply**

The propane licence holder should work with the local fire department to determine water supply capabilities that are available based on the propane facility's location.

	Yes	No
1. Is a pressurized water system available at the propane facility site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. What is the unobstructed distance to the closest water supply that could be used for firefighting activities? (distance in metres only)		<u>-10 metres</u>
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? ( distance in metres only)		<u>n/a</u>

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**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

The licence holder will complete Section B in consultation with the local Fire Services  
B: Licence holder and local Fire Services Review

**To be completed by the Local Fire Services**

Yes No

Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?

If not, please explain (e.g., no fire services).

Fire services comments, if any:

**To be completed by the Licence Holder**

In response to the above comments, the following action(s) is required:

The licence holder will respond to the Local Fire Services comments by: \_\_\_\_\_

(dd-mm-yyyy)

**LOCAL FIRE SERVICES**

The undersigned has reviewed Section B of the Risk and Safety Management Plan Fire Services.

Print name	Signature	Date (dd-mm-yyyy)
Local Fire Services Name		

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Name of person completing this form (please print) Frank Chislette	Official Title Warehouse Manager	
Signature 	Telephone No. 905-780-2100	Date (dd-mm-yyyy) 17/02/2012



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**Propane Storage and Handling Regulation**

**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

The licence holder will complete Section B in consultation with the local Fire Services.

**8. Licence holder and local Fire Services Review**

**To be completed by the Local Fire Services**

Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?

Yes

No



If not, please explain (e.g., no fire services).

Fire services comments, if any:

THE RSMP HAS BEEN REVIEWED BY R.H.F & E.S. THE PLAN APPEALS TO COVER THE ASPECTS IN SECTION 'B' FOR EMERGENCY & PREPAREDNESS.

**To be completed by the Licence Holder**

In response to the above comments, the following action(s) is required:

The licence holder will respond to the Local Fire Services comments by: \_\_\_\_\_ (dd-mm-yyyy)

**LOCAL FIRE SERVICES**

The undersigned has reviewed Section B of the Risk and Safety Management Plan Fire Services.

Print name	Signature	Date (dd-mm-yyyy)
Local Fire Services Name <b>RANDY PYLE</b>		<b>JAN. 26, 12</b>

**Declaration: I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.**

Name of person completing this form (please print) Frank Chislette	Official Title Warehouse Manager
Signature	Telephone No. 905-780-2100
	Date (dd-mm-yyyy)



Technical Standards and Safety Authority  
www.tssa.org

14th Floor - Centre Tower  
3300 Bloor Street West  
Toronto Ontario M8X 2X4  
Fax: 416.231.4903  
Customer Service: 1.877.682.8772

**Level 1 Risk and Safety Management Plan (RSMP)**  
*Technical Standards and Safety Act*  
Propane Storage and Handling Regulation

**SECTION C: SUBMISSIONS**

Applicant must include a Facility Site Plan and Map of Surrounding Area

**Facility Site Plan.**

The licence holder will submit a copy of the original facility site plan updated with the following information:

1. The storage location of fixed, portable, and mobile vessels.
2. The maximum volume, types and storage location of hazardous materials.
3. Location of permanent structures on site.
4. Access and egress points and location of barriers.
5. Location of fire and emergency equipment (e.g., sprinkler systems, extinguishers, suppression systems) on site and location of fire hydrant or water supply where available.
6. Location of emergency shut off/shut down switches/valves.

**Map of Surrounding Area.**

The licence holder will submit a scaled aerial map of the surrounding area showing the following information:

7. The capacity and placement of the single largest propane storage vessel, including its setback from the front, rear and side property lines.
8. GPS co-ordinates of the single largest vessel.
9. Visual Indication of the single largest fixed vessel and a circle made using the distance in Table 1 as the radius from the single largest fixed vessel.
10. Clear Indication of the municipality or municipalities present within the circle.
11. Visual Indication of property line information.
12. The location and name of roads within or abutting the site.
13. Key note to the drawing indicating the facility's municipal address, municipal lot number(s) and concession lines as applicable, and the date the map was prepared.
14. Address and contact information for each municipality (municipal clerk or secretary-treasurers of planning board). (Refer to page 5.)
15. Complete "Required Mapping Information from Updated Site Plan" in table below .

**Required Mapping Information from Updated Site Plan**

Date Map Prepared (dd-mm-yyyy) 02-01-2012	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 128 m	Right side property line: 185 m
Rear: 65 m	Left side property line: 46 m
GPS coordinates of single largest vessel:	Lat: 43.8713 Long: -79.4372

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Name of person completing this form (please print) Frank Chislette	Official Title Warehouse Manager
Signature 	Telephone No. 905-780-2100
	Date (dd-mm-yyyy) 17/02/2012



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*Technical Standards and Safety Act*  
Propane Storage and Handling Regulation

**SECTION C: SUBMISSIONS (cont'd)**  
Applicant must include a Facility Site Plan and Map of Surrounding Area

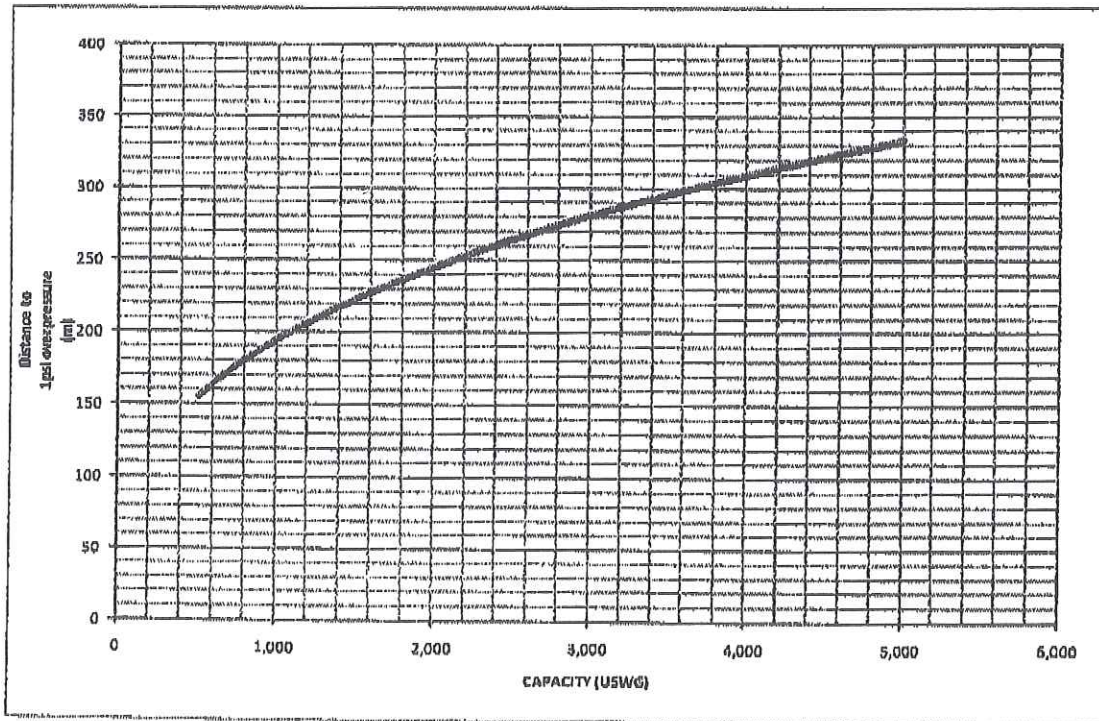
Table 1: Distance Table

Water Capacity (litres)	Nominal Water Capacity (USWG)	Distance to 1 psi overpressure (m)
1,890	500	155
3,780	1,000	195
4,920	1,300	213
6,620	1,750	235
7,130	1,885	241
7,560	2,000	246
18,900	5,000	333

**Formula:**  $D = 16.94 \times (1.524 \times C)^{1/3}$   
 D = Distance to overpressure of 1 psi (meters)  
 C = Tank Total Capacity in USWG

**Parameters:** Density of Propane is 0.5033 kg per litre @ 15 C  
 Assume all vessels are 80% full  
 1 gallon [US, liquid] = 0.003785411784 cubic meter  
 1 cubic metre = 264.17 USWG

Hazard Distance Chart (EPA-TNT model)



**Declaration:** I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.

Name of person completing this form (please print) Nothing completed on this page.	Official Title WAREHOUSE MANAGER
Signature 	Telephone No. (905) 780-2100
Date (dd-mm-yyyy) 17/02/2012	



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**Level 1 Risk and Safety Management Plan (RSMP)**  
**Technical Standards and Safety Act**  
**Propane Storage and Handling Regulation**

**SECTION C: SUBMISSIONS (cont'd)**

Applicant must include a Facility Site Plan and Map of Surrounding Area

As an accompaniment to the Map of Surrounding Area, provide the following information about buildings and features present within the circle in Table 2.

**Table 2: Buildings and Features**

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: <u>None in Hazard Distance (greenbelts to rear and side of facility)</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments [Redacted Name and Address]	X				<u>0</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Various retail and restaurants (Staples, Michaels Kelsey's, etc.)</u> Address: <u>John Birchall &amp; Elgin Mills</u> City: <u>Richmond Hill</u> Province <u>ON</u> Postal Code _____				X	<u>25-250</u> m
Commercial building units - continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>None in Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: <u>None in Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: <u>None in Hazard Distance</u> Address: _____ City: _____ Province _____ Postal Code _____	X				<u>0</u> m

\* For multi-unit buildings, count each unit as "1".

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Signature 	Telephone No. 905-780-2100
	Date (dd-mm-yyyy) 17/02/2012





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**Level 1 Risk and Safety Management Plan (RSMP)**  
**Technical Standards and Safety Act**  
**Propane Storage and Handling Regulation**

**SECTION C: SUBMISSIONS (cont'd)**  
Applicant must include a Facility Site Plan and Map of Surrounding Area

**Portable Storage Additional Information Sheet**

Cylinder Size	Capacity In USWG	Quantity	Total Volume In USWG
# 420	123.9		
# 100	29.5		
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	52	302
# 10	2.9	10	29
# 5	1.5	10	15
<b>Total Cylinder Capacity 346 USWG</b>			

**Tanks Stored On-site Not Connected for Use**

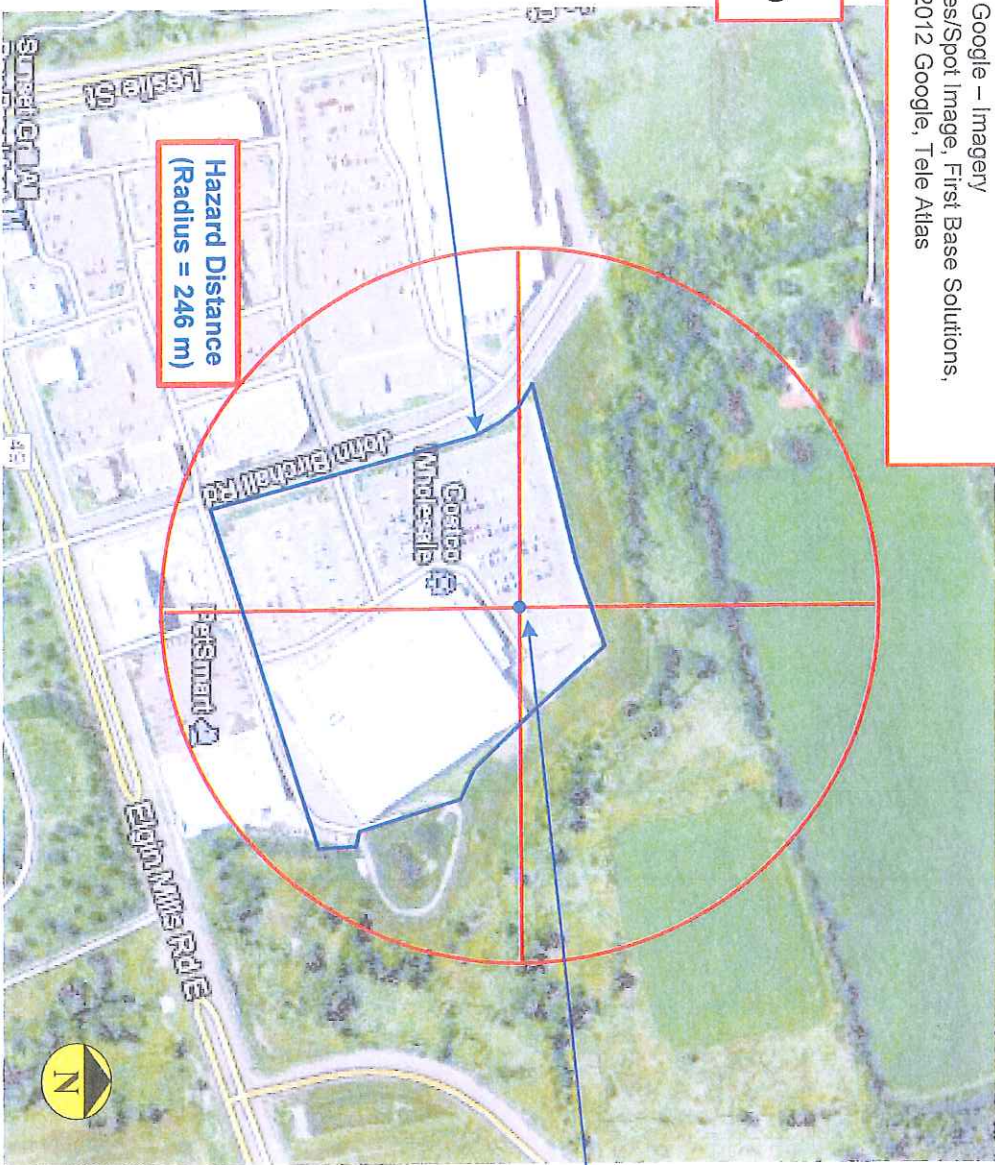
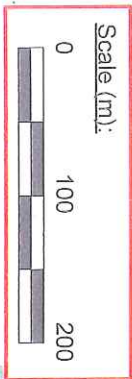
Tank Size In USWG	Quantity	Total Volume In USWG
2000 USWG	1	2000 USWG
<b>Total Tank Capacity</b>		

<b>Total Cylinder Capacity</b>	
<b>Total Tank Capacity</b>	2000 USWG
<b>Total Portable Capacity</b>	0

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Name of person completing this form (please print) Frank Chislette	Official Title Warehouse Manager
Signature 	Telephone No. 905-780-2100
Date (dd-mm-yyyy) 17/02/2012	

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 Map data ©2012 Google, Tele Atlas



Site Boundary

Hazard Distance  
 (Radius = 246 m)

2000 USWG  
 Propane Tank

Setback Distances  
 to Site Boundary: North : 46 m West: 128 m  
 South: 185 m East: 65 m

Capacity of Propane Storage Tank:  
 Capacity of Propane Storage Tank = 2000 USWG

GPS Co-ordinates of Propane Storage Tank:  
 GPS Co-ordinates = 43.8713, -79.4372

Circular Distance to 1 psi overpressure:  
 Denoted by circle centred on tank; radial distance = 246 m

Municipality (ies) within the 1 psi overpressure circle:  
 Town of Richmond Hill

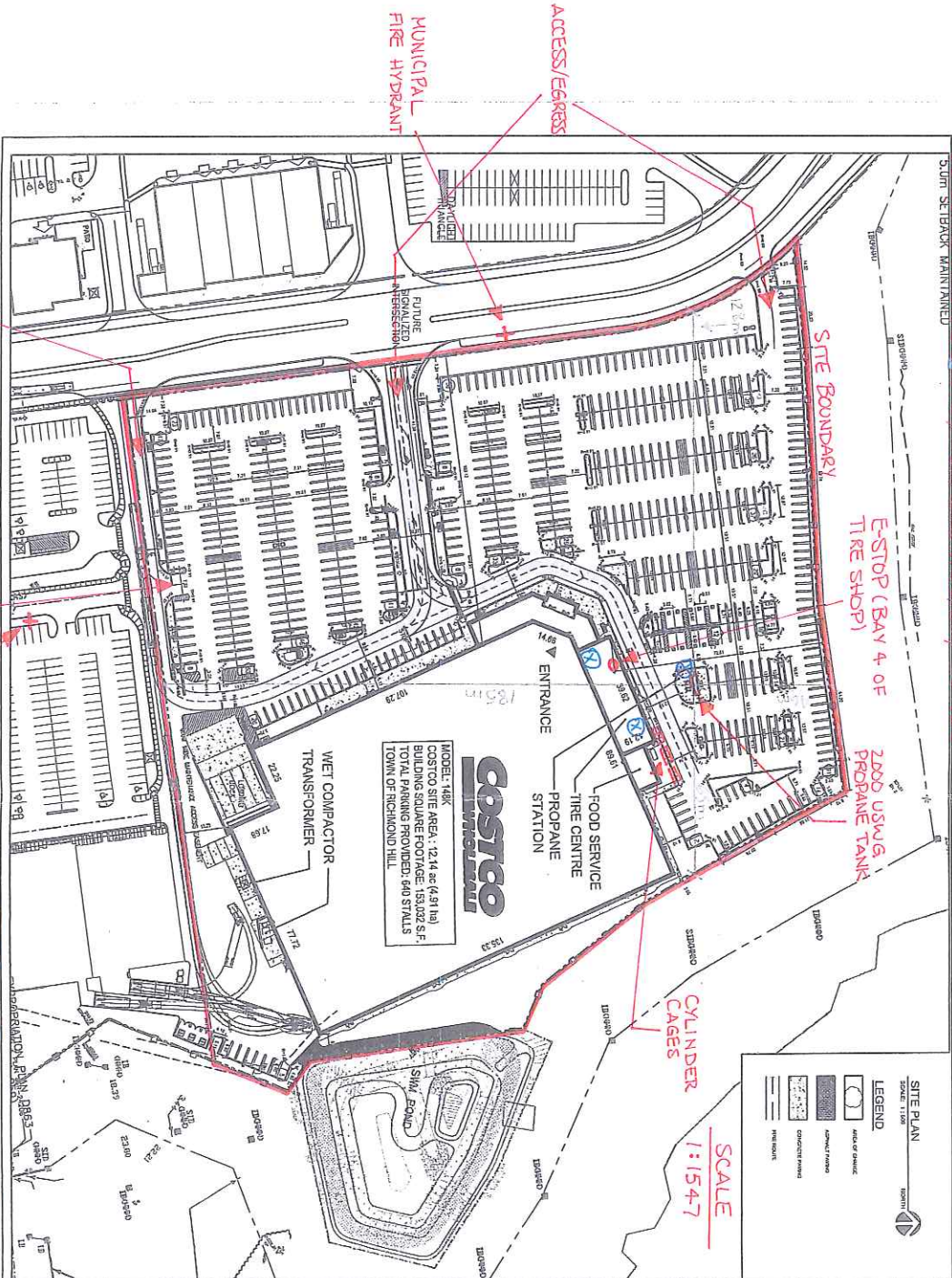
Municipal Contact:  
 Joan Anderton  
 CAO, Town of Richmond Hill  
 225 East Beaver Creek Road  
 Richmond Hill, ON, L4B 3P4  
 Tel: 905-771-5452 Fax: 905-771-2406  
 email: janderton@richmondhill.ca

**Map of Surrounding Area**

**Costco – Richmond Hill**  
 35 John Birchall Road, Richmond Hill, ON, L4S 0B2  
 PLAN 65M3997 BLK 5

Drawn by: L. Oliverio Date: January 2, 2012

COSTCO - RICHMOND HILL  
 35 JOHN BIRCHALL ROAD, RICHMOND HILL, ON, L4S 0B2  
 SUMMIT BANK MAINTAINED



ACCESS/EGRESS  
 MUNICIPAL FIRE HYDRANT

⊗ FIRE EXTINGUISHERS

**SITE PLAN**  
 SCALE: 1/8" = 1'-0"

**LEGEND**

- EXISTING DRIVEWAY
- EXISTING DRIVEWAY
- EXISTING DRIVEWAY
- EXISTING DRIVEWAY
- EXISTING DRIVEWAY

**SCALE**  
 1/8" = 1'-0"

**COSTCO**  
 WHOLESALE CORPORATION  
 1000 SHEPPARD AVENUE EAST  
 SCARBOROUGH, ONTARIO M1B 2Y9

**PROJECT DATA**

DATE OF PRELIMINARY DESIGN: 2008-01-15  
 DATE OF PRELIMINARY DESIGN: 2008-01-15  
 DATE OF PRELIMINARY DESIGN: 2008-01-15  
 DATE OF PRELIMINARY DESIGN: 2008-01-15  
 DATE OF PRELIMINARY DESIGN: 2008-01-15

**NET PLAN**

DATE: 2008-01-15  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 PROJECT NO: 10-03069-02-P02  
 SHEET NO: SP-1