



Technical Standards and Safety Authority  
 www.tssa.org  
 14th Floor - Centre Tower  
 3300 Bloor Street West  
 Toronto Ontario M8X 2X4  
 Fax: 416.231.4078  
 Customer Service: 1.877.682.8772

**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.

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

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: Canadian Tire Corporation    Corporation No.

Operator Name (if different from above): JESSICA CARROLL

Telephone No. (416) 544-7608    Fax No. N/A    E-mail John.Lastoria@cantire.com

**B** Street No. 2180    Street Name / 911 Number / Address, if applicable Yonge Street

Town / City or Township / County Toronto    Province ON    Postal Code M4S 2B9

Mailing address if different from above.

**C** Street No.     Street Name / 911 Number / Address, if applicable P.O. Box 770, Stallion K (Account #34421)

Town / City or Township / County Toronto    Province ON    Postal Code M4P 3J5

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

Location of facility. Street No. 255    Street Name / 911 Number / Address, if applicable Garrison Rd    Nearest Major Intersection Mather Blvd. and Garrison Rd.

Town / City or Township / County Fort Erie    Province ON    Postal Code L2A 1M7

Name of Licence Holder: John Lastoria

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Allan MacDonald    ROT type 100-08

Municipality (or municipalities if the facility or its hazard distance touches multiple borders): Regional Municipality of Fort Erie

Hours of operation:

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

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.

Print name	Signature	Date (dd-mm-yyyy)
Name of Licence Holder: John Lastoria		30-Nov-2011
Name of Senior Management person as defined in the Regulation holding the Record of Training: Allan MacDonald		



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

Indicate the year the facility was established. 2015      Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment.

Identify the psig rating and serial number for each fixed propane storage tank on site.

	PSIG	Serial Number
Tank 1:	<u>250 PSIG</u>	<u>17814</u>
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: 500 USWG      Mobile: 0 USWG

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Name of person completing this form (please print)	Official Title	
John Lastoria	E H & S Specialist	
Signature	Telephone No.	Date (dd-mmm-yyyy)
	(416) 544-7608	30-NOV-2015



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

Activity Information

Name of Propane Supplier(s) Superior Propane		For Office Use - Party No.	
Street No. 6750	Street Name / 911 Number / Address, if applicable Century Ave Suite 400		
Town / City or Township / Country Mississauga		Province ON	Postal Code L5N 2V8
Telephone No. (613) 391-9604	Fax No. (613) 822-5221	Contact Name Ken Gillis - Regulatory & Technical Support Rep	
E-mail gillisk@superiorpropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>		For Office Use - Party No.	
Superior Propane - Smithville			
Street No. 3089	Street Name / 911 Number / Address, if applicable Regional Road 12		
Town / City or Township / Country Smithville		Province ON	Postal Code L0R 2A0
Telephone No. (905) 979-1129	Fax No. N/A	Contact Name Mac Sutherland, Market Manager	
E-mail sutherlm@SuperiorPropane.com			

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

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

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Name of person completing this form (please print) John Lastoria	Official Title E H & S Specialist
Signature 	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) 30-Nov-2015





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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 amount - 125,000 litres and storage location - stored underground (to the right of the propane tank/due north).

Diesel; maximum amount - 25,000 litres and storage location - stored underground (to the right of the propane tank/due north).

An MSDS for regular unleaded gasoline is provided herein. The MSDS for premium gasoline and diesel fuel are similar and not included.

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

Fire Extinguisher is located by the propane dispenser

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. ISC valve interlock bar (interlocked with cabinet door) - ISC valve closes when door is closed.
2. Fusible link on ISC valve - isolation valve between the tank and the downstream propane dispensing equipment.
3. Emergency Stop Buttons - one is located at the cash inside the gas bar building and one is located on a bollard surrounding the propane tank.
4. Power supply breaker inside the kiosk. 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, Pump motor, ISC valves inspected and tested yearly.
2. Storage tank Relief Valves - inspected to meet provincial regulations
3. Fire extinguishers maintained by owner in accordance with Ontario fire regulations. Maintenance records are to be retained by Licensee.

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Name of person completing this form (please print) John Lastoria	Official Title E.H. & S Specialist
Signature 	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) 30-Nov-2015



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

**1: Contacts for Emergency Response**

<b>1. Facility Contact Personnel - Key Contact</b>		<b>5. Facility 24-Hour Contact Person</b>	
Name Jessica Carrol	For Office Use - Party No.	Name Jessica Carrol	For Office Use - Party No.
Official Title Retailer		Official Title Retailer	
Telephone No. 905 871 1232	Fax No. 905 871 1232	Cell No. 905 871 1232	Fax No. 905 871 1232
E-mail 1113.forterie@ctpasent.ca		E-mail 1113.forterie@ctpasent.ca	
Role and responsibilities in emergency Coordinate site response		Role and responsibilities in emergency Coordinate site response	
<b>2. Facility Contact Personnel - Alternate Contact</b>		<b>6. Name of Facility Manager</b>	
Name Karl Degens	For Office Use - Party No.	Name Jessica Carrol	For Office Use - Party No.
Official Title Regional Business Manager		Official Title Retailer	
Telephone No. 905 609 2340	Fax No. 905 376 7576	Telephone No. 905 871 1232	Fax No. 905 871 1232
E-mail karl.degens@caqntire.ca		E-mail 1113.forterie@ctpasent.ca	
Role and responsibilities in emergency Coordinate site response if agent unavailable		Role and responsibilities in emergency Coordinate site response	
<b>3. Local Fire Services - Key Contact</b>		<b>7. Propane Supplier Key Contact Person</b>	
Name Larry Koplen	For Office Use - Party No.	Name Superior Propane Hotline	For Office Use - Party No.
Official Title Fire Chief	E-mail lkoplen@town.forterie.ca	Official Title	E-mail N/A
Telephone No. (905) 871-1600 x2600	Fax No. (519) 741-2697	Telephone No. 1-877-873-7467	Fax No. N/A
Role and responsibilities in emergency Coordinate/advise on Fire Service Response. Liaise with police.		Role and responsibilities in emergency Identify and dispatch Superior Propane and or LPERGC emergency response personnel as required.	
Fire Services Address 1 Municipal Centre Drive Fort Erie, ON, L2A 2S6		Propane Supplier Address 7022 Wellington Road 124 S, Guelph, ON N1H 6L3	
<b>4. Local Fire Services - Alternate Contact</b>		<b>8: Municipal Contact</b>	
Name Kieth German	For Office Use - Party No.	Name Tom Kuchyt	For Office Use - Party No.
Official Title Deputy Fire Chief	E-mail kgerman@town.forterie.ca	Official Title Chief Administrative Officer/Corporate Project Assistant	
Telephone No. (905) 871-1600 x2602	Fax No. (519) 741-2697	Telephone No. (905) 871-1600 x2500	Fax No. N/A
Role and responsibilities in emergency Alternate - Coordinate/advise on Fire Service Response. Liaise with police.		E-mail tkuchyt@town.forterie.ca	
Fire Services Address 1 Municipal Centre Drive Fort Erie, ON, L2A 2S6		Municipality Name and Address 1 Municipal Centre Drive Fort Erie, ON, L2A 2S6	

Declaration: I am aware that it is an offence to give false information in this document and  
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Name of person completing this form (please print) John Latoria	Official Title EH & S Specialist
Signature 	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) 30-Nov-2015





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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.

None

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Name of person completing this form (please print) John Lastoria	Official Title E.H. & S Specialist		
Signature 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">           Telephone No.            (416) 544-7608         </td> <td style="width: 40%; padding: 5px;">           Date (dd-mmm-yyyy)            30-Nov-2015         </td> </tr> </table>	Telephone No. (416) 544-7608	Date (dd-mmm-yyyy) 30-Nov-2015
Telephone No. (416) 544-7608	Date (dd-mmm-yyyy) 30-Nov-2015		



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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-mmm-yyyy) To be completed	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Training Date (dd-mmm-yyyy) To be completed	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-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-mmm-yyyy) 16-July 2015	Print Name of Training Provider: FSN
	Print Name of Instructor: Mike Farah
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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**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-mmm-yyyy) TBA - 2016	Print Name of Training Provider: Superior Propane, FSN, or other
	Print Name of Instructor: to be arranged
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Target Date (dd-mmm-yyyy) TBA - 2016	Print Name of Training Provider: Key site contact to train staff
	Print Name of Instructor: Key site contact
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-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-mmm-yyyy) As Required	Print Name of Training Provider: Superior Propane, FSN, or other	PLEASE NOTE - a ROT is valid for 3 years
	Print Name of Instructor: to be arranged as required	
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:	
	Print Name of Instructor:	

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Signature 	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) 30-NOV-2015





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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.

**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 (both ROT staff) will contact emergency services by calling 911 and will provide warnings outlined in the attached "Propane Emergency Response Procedures" (to be posted at site and be part of employee training). If it is safe to do so, this could involve advising neighbors to evacuate. The 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 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 muster location is at the Garrison Rd entrance 48m away from the tank and away from a dispersing propane cloud. (Note a specific muster point is not advisable since a propane plume can blow in any direction) 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 ER's.

**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. This person will be able to visually ascertain any abnormal/ events and implement the appropriate emergency response actions and notifications, 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 shut down. Any accidents involving the propane tank during such times will require the intervention of random, nearby individuals.

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 store parking lot area that is easily accessible from Garrison Rd  
Fire access routes are identified in the attached site plan.

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 the system down and the fill level in the tank (if known). This information will be provided to the authorities by agent.  
Fill level is relevant from a time-to-BLEVE perspective (a near empty tank will BLEVE sooner than a full tank if there is fire impingement on the tank).

How long will it take the facility liaison person to respond to the site.

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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 type="checkbox"/>	<input checked="" 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)	48 m	
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)	N/A	

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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.

**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:

*Please see attached letter for recommendations.*

**To be completed by the Licence Holder**

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

*ALL CORRECTIONS IDENTIFIED HAVE BEEN MADE*

*FIRE SAFETY PLAN RECOMMENDED IS UNDER REVIEW AND IN PROCESS*

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

(dd-mmm-yyyy)

**LOCAL FIRE SERVICES**

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

Local Fire Services Name	Print name <i>Kevin J. Winney</i>	Signature <i>[Signature]</i>	Date (dd-mmm-yyyy) <i>23-NOV-2015</i>
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Name of person completing this form (please print) John Lastoria	Official Title E H & S Specialist
Signature <i>[Signature]</i>	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) <i>30-NOV-2015</i>



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**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-mmm-yyyy) 17-Aug-2015	Capacity of single largest propane storage vessel (USWG) 2000USWG
Tank setback coordinates. Indicate placement on the map.	
Front: <u>47.66M S</u>	Right side property line: <u>34.439M E</u>
Rear: <u>142.39M N</u>	Left side property line: <u>26.521M W</u>
GPS coordinates of single largest vessel:	<u>42°54'21.98"N 78°55'30.13"W</u>

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Name of person completing this form (please print) Michelle Free	Official Title Service Coordinator
Signature 	Telephone No. 705-887-4909
	Date (dd-mmm-yyyy) 11-Dec-2015





Technical Standards and Safety Authority  
www.tssa.org

14th Floor - Centre Tower  
3300 Bloor Street West  
Toronto Ontario M8X 2X4  
Fax: 416.231.4078  
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-mmm-yyyy)	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: _____	Right side property line: _____
Rear: _____	Left side property line: _____
GPS coordinates of single largest vessel:	42°54'21.92"N 78°55'30.13"W

**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) John Lastoria	Official Title E H & S Specialist
Signature 	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) 31-NOV-2015



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www.tssa.org

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3300 Bloor Street West  
Toronto Ontario M8X 2X4  
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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

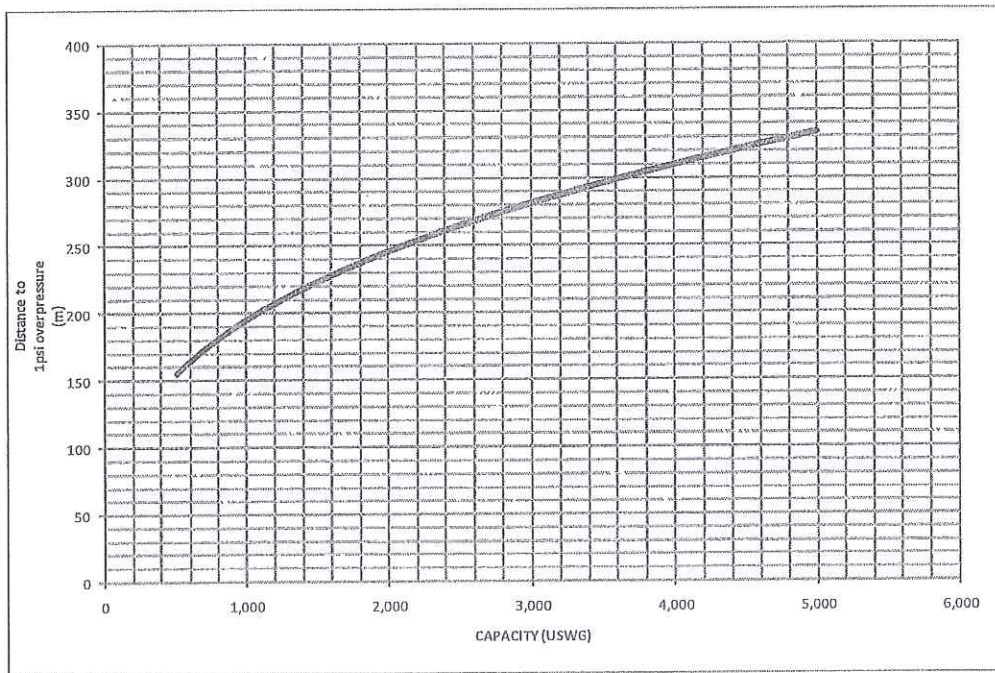
Table 1: Distance Table

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)







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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: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____				X	64 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: Canadian Tire Gas station Address: _____ City: _____ Province _____ Postal Code _____				X	17 m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: None Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: None Address: _____ City: _____ Province _____ Postal Code _____	X				0 m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: None Address: _____ City: _____ Province _____ Postal Code _____	X				0 m

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

**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) John Lasterla	Official Title E.H. & S. Specialist
Signature 	Telephone No. (416) 544-7608
	Date (dd-mmm-yyyy) 30-Nov-2015



Technical Standards and Safety Authority  
www.tssa.org

14th Floor - Centre Tower  
3300 Bloor Street West  
Toronto Ontario M8X 2X4  
Fax: 416.231.4078  
Customer Service: 1.877.682.8772

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

**WORKSHEET**

Portable Storage Additional Information Worksheet

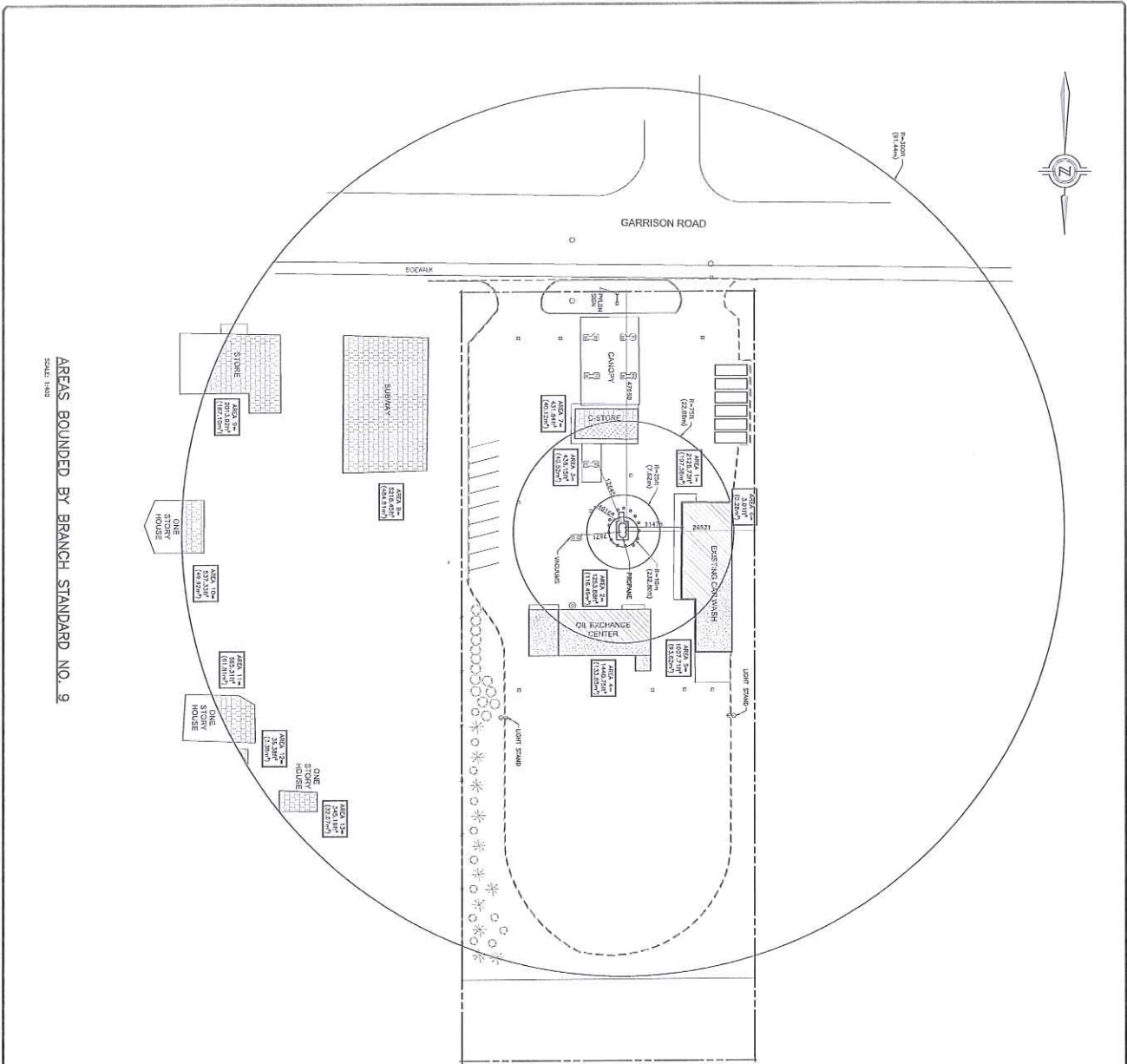
Cylinder Size	Capacity In USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5	2	59
# 40	11.75		
# 33.3	9.62	10	96
# 30	8.8	5	44
# 20	5.8	50	290
# 10	2.9		
# 5	1.5	5	8
<b>Total Cylinder Capacity</b>			

Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
<b>Total Tank Capacity</b>		0 USWG

<b>Total Cylinder Capacity</b>	500 USWG
<b>Total Tank Capacity</b>	0 USWG
<b>Total Portable Capacity</b> (Total Cylinder Capacity + Total Tank Capacity)	500 USWG





AREAS BOUNDED BY BRANCH STANDARD NO. 9  
SCALE: 1:600

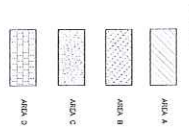
**BRANCH STANDARD NO. 9**

- FLOOR AREAS AND INCLUSIVE JURISDICTIONS**
- AREA A - ALL INCLUSIVE OCCUPANCY BALANCE (ON PART HERETO) WITH A 15 ft. INCLUSIVE BALANCE OF A INCLUSIVE OCCUPANCY
    - 2004.8 sq ft (184.6 sq m)
  - AREA B - ALL INCLUSIVE OCCUPANCY BALANCE (ON PART HERETO) WITH A 15 ft. INCLUSIVE BALANCE OF A INCLUSIVE OCCUPANCY
    - 451.5 sq ft (41.8 sq m)
  - AREA C - ALL INCLUSIVE OCCUPANCY BALANCE (ON PART HERETO) WITH A 15 ft. INCLUSIVE BALANCE OF A INCLUSIVE OCCUPANCY
    - 261.4 sq ft (24.2 sq m)
  - AREA D - ALL INCLUSIVE OCCUPANCY BALANCE (ON PART HERETO) WITH A 15 ft. INCLUSIVE BALANCE OF A INCLUSIVE OCCUPANCY
    - 314.6 sq ft (29.1 sq m)
  - AREA E - 50% OF AREA C PLUS TWICE AREA B
    - 425.8 sq ft (39.5 sq m)
  - AREA F - 50% OF AREA C PLUS TWICE AREA D
    - 598.6 sq ft (55.4 sq m)

**ADJACENT/BOUNDING DIMS**

- A1 - 110.0 ft (33.5 m)
- A2 - 110.0 ft (33.5 m)
- A3 - 110.0 ft (33.5 m)
- A4 - 110.0 ft (33.5 m)
- A5 - 110.0 ft (33.5 m)
- A6 - 110.0 ft (33.5 m)
- A7 - 110.0 ft (33.5 m)
- A8 - 110.0 ft (33.5 m)
- A9 - 110.0 ft (33.5 m)
- A10 - 110.0 ft (33.5 m)
- A11 - 110.0 ft (33.5 m)
- A12 - 110.0 ft (33.5 m)

**LEGEND**



**ACT PLAN**



NO.	REVISIONS	DATE	BY
1	ISSUED FOR APPROVAL	2019-11-14	ML

**EXP SERVICES INC.**  
1-800-363-7241  
1000 SHEPPARD AVENUE EAST  
SUITE 100  
SCARBOROUGH, ONTARIO M1B 4Y1  
CANADA

**exp.**

• BUILDINGS • ESTHETIC DESIGN • ENERGY •  
• INTERIORS • INFRASTRUCTURE • SIGNAGE

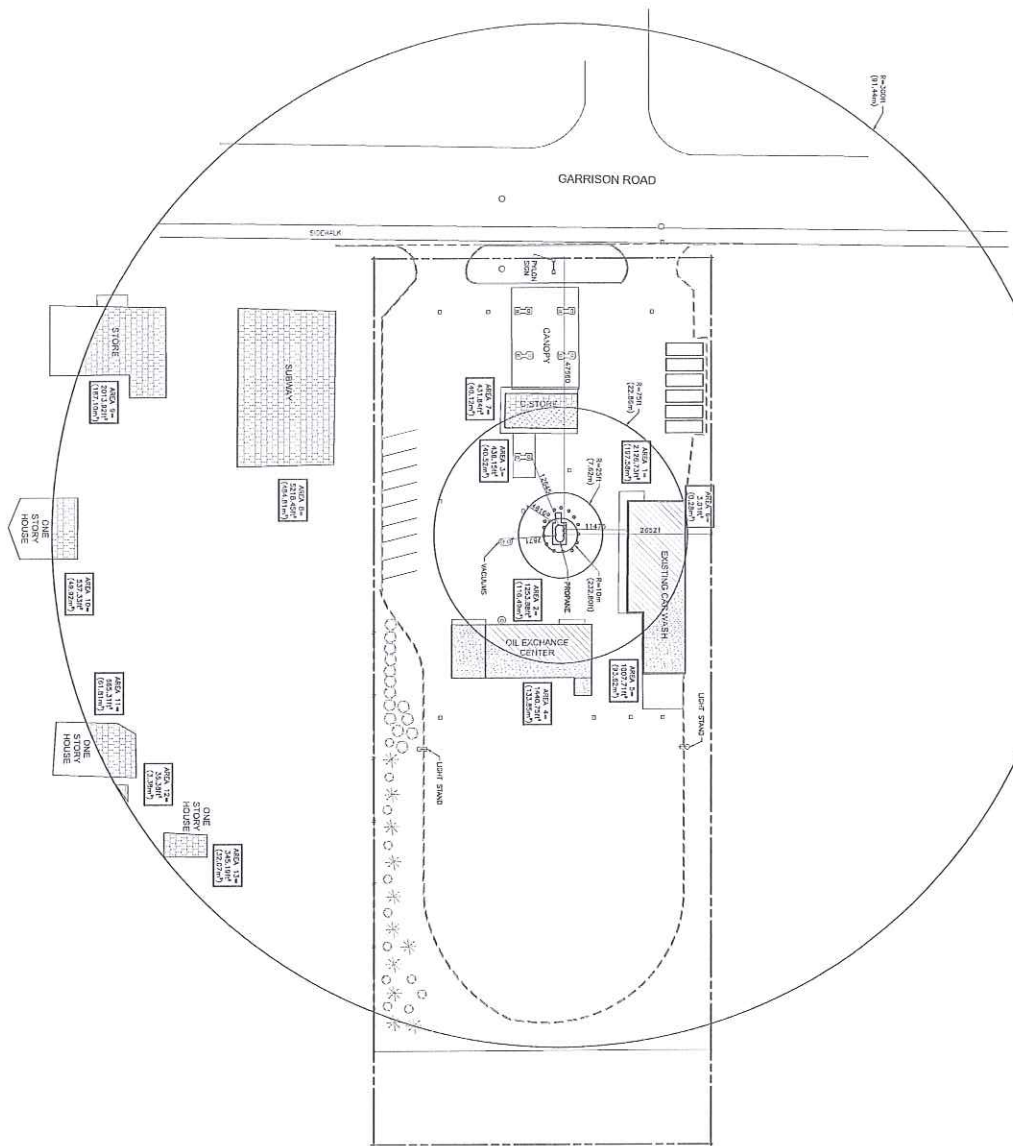
**CANADIAN TIRE REAL ESTATE LTD.**  
430 YORK STREET, SUITE 200, TORONTO, ONTARIO M5E 1B3

**FORT ERIE, ONTARIO**

**PROPRANE BRANCH STANDARD NUMBER 9  
SITE PLAN**

DATE: 2019-11-14	SCALE: 1:600	PROJECT NO: PROPRANE027246
DATE: 2019-11-14	SCALE: 1:600	PROJECT NO: PROPRANE027246

**MO2**



AREAS BOUNDED BY BRANCH STANDARD NO. 9  
 SOCIALK  
 GARRISON ROAD

**PROANE BRANCH STANDARD NO. 9**

**FLOOR AREA AND DISTANCE REQUIREMENTS**

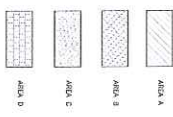
- AREA A = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER A 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA B = ALL RESIDENTIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER B 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA C = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER C 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA D = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER D 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA E = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER E 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA F = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER F 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA G = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER G 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA H = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER H 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA I = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER I 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA J = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER J 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA K = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER K 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA L = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER L 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA M = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER M 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA N = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER N 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA O = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER O 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA P = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER P 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA Q = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER Q 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA R = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER R 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA S = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER S 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA T = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER T 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA U = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER U 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA V = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER V 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA W = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER W 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA X = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER X 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA Y = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER Y 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)
- AREA Z = ALL INDUSTRIAL OCCUPANCY BUILDINGS (SEE PART THEORETICAL NUMBER Z 72 IN THEORETICAL NUMBER 9 OF A PROpane BRANCH STANDARD)

**DISCREPANCY TABLE**

Any discrepancy shall result from the following:

- (1) ANY PART OF A SECOND BUILDING IS WITHIN 100 FT (30.48 M) OF A TANK
- (2) THE DISTANCE BETWEEN TANKS IS LESS THAN 1000 FEET (304.8 M)
- (3) THE DISTANCE BETWEEN TANKS IS LESS THAN 1000 FEET (304.8 M)

**LEGEND**

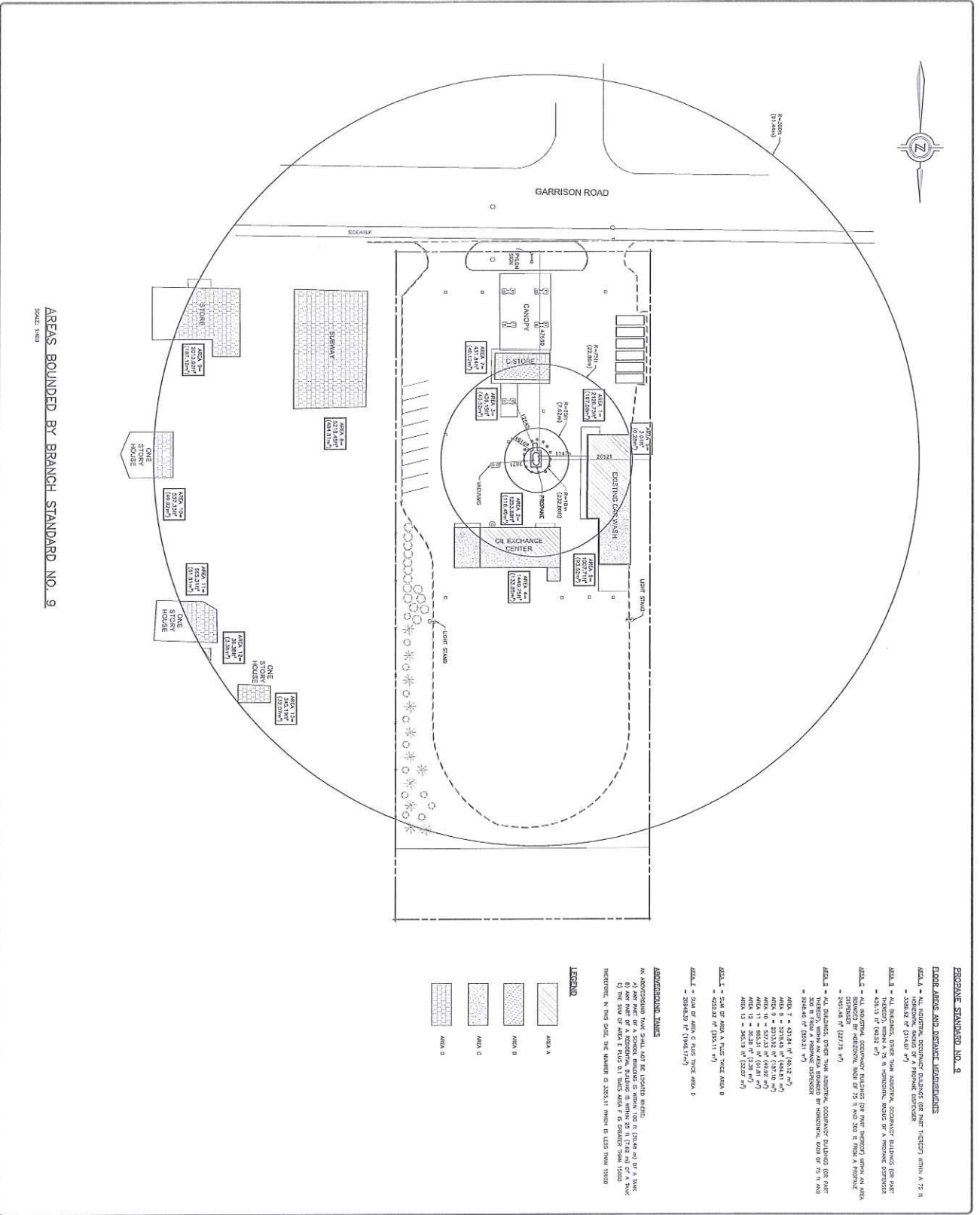


**INDEX PLAN**



<p>exp. <b>CANADIAN TIRE REAL ESTATE LTD.</b>          1000 SHEPPARD AVENUE EAST, SUITE 100, SCARBOROUGH, ONTARIO M1S 1T6          TEL: (416) 291-1111 FAX: (416) 291-1112</p>		<p>exp. <b>exp. SERVICES INC.</b>          1111 YORK STREET, SUITE 101, SCARBOROUGH, ONTARIO M1B 1B1          TEL: (416) 291-1111 FAX: (416) 291-1112</p>	
<p>PROpane BRANCH STANDARD NUMBER 9          SITE PLAN</p>		<p>DATE: 01/11/2011          DRAWN BY: J.S.          CHECKED BY: J.S.          PROJECT NO.: 10000000000000000000</p>	
<p>MO2</p>		<p>1000 SHEPPARD AVENUE EAST, SUITE 100, SCARBOROUGH, ONTARIO M1S 1T6          TEL: (416) 291-1111 FAX: (416) 291-1112</p>	





**AREAS BOUNDED BY BRANCH STANDARD NO. 9**

Scale: 1:500

**PROANE STANDARD NO. 9**

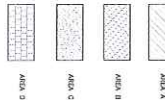
**FLOOR AREAS AND DISTANCE LEGISLATIONS**

- AREA 1** - ALL EXISTING, EXCEPT PROANE, ONE STORY PROANE WITHIN A 75 FT. HORIZONTAL RADIUS OF A PROANE DISPENSER
  - 3358.82 m<sup>2</sup> (31447 sq ft)
- AREA 2** - ALL EXISTING, OTHER THAN EXISTING, EXCEPT PROANE WITHIN A 75 FT. HORIZONTAL RADIUS OF A PROANE DISPENSER
  - 1413.17 m<sup>2</sup> (15137 sq ft)
- AREA 3** - ALL EXISTING, EXCEPT PROANE WITHIN A 75 FT. HORIZONTAL RADIUS OF A PROANE DISPENSER
  - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 4** - ALL EXISTING, OTHER THAN EXISTING, EXCEPT PROANE WITHIN A 75 FT. HORIZONTAL RADIUS OF A PROANE DISPENSER
  - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 5** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 6** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 7** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 8** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 9** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 10** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 11** - 205.04 m<sup>2</sup> (2227.5 sq ft)
- AREA 12** - 205.04 m<sup>2</sup> (2227.5 sq ft)

**ADDITIONAL NOTES**

1. ALL DISTANCES ARE MEASURED FROM THE CENTER OF THE PROANE DISPENSER TO THE CENTER OF THE PROANE HOUSE.  
 2. ALL DISTANCES ARE MEASURED FROM THE CENTER OF THE PROANE DISPENSER TO THE CENTER OF THE PROANE HOUSE.  
 3. ALL DISTANCES ARE MEASURED FROM THE CENTER OF THE PROANE DISPENSER TO THE CENTER OF THE PROANE HOUSE.  
 4. ALL DISTANCES ARE MEASURED FROM THE CENTER OF THE PROANE DISPENSER TO THE CENTER OF THE PROANE HOUSE.  
 5. ALL DISTANCES ARE MEASURED FROM THE CENTER OF THE PROANE DISPENSER TO THE CENTER OF THE PROANE HOUSE.

**LEGEND**



**1:500 PLAN**



NO.	REVISIONS	DATE	BY	APP.
1	ISSUED FOR PERMITTING	JAN 20 2016	BY	BY
2	REVISIONS			

**exp.**

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 • INDUSTRIAL • RECONSTRUCTION • SUSTAINABILITY

**CANADIAN TIRE REAL ESTATE LTD.**  
 1000 SHEPPARD AVENUE EAST, SUITE 100, SCARBOROUGH, ONTARIO M1S 1T5

**FORT ERIE, ONTARIO**

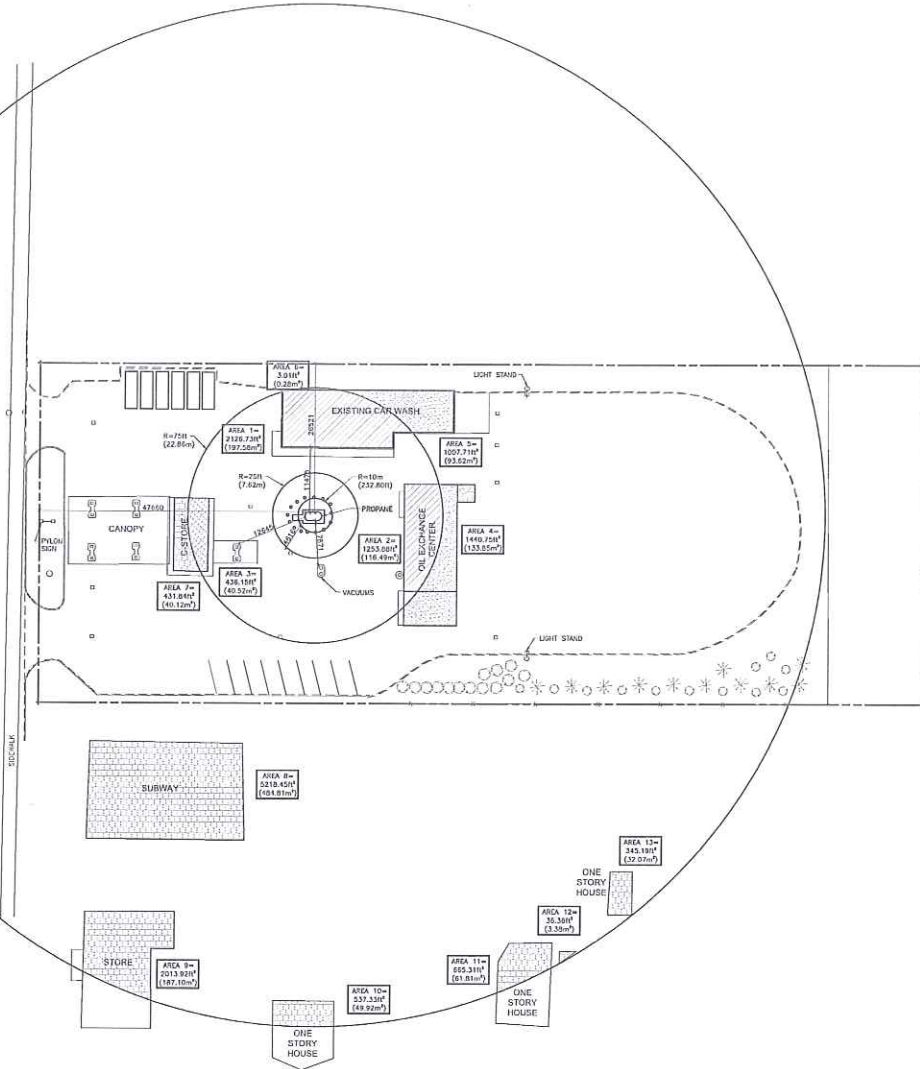
**PROANE BRANCH STANDARD NUMBER 9 SITE PLAN**

MO2



R=200ft  
(61.14m)

GARRISON ROAD



AREAS BOUNDED BY BRANCH STANDARD NO. 9

SCALE: 1/4"=1'-0"

**PROPANE STANDARD NO. 9**

**FLOOR AREAS AND DISTANCE MEASUREMENTS**

**AREA A** = ALL INDUSTRIAL OCCUPANCY BUILDINGS (OR PART THEREOF) WITHIN A 75 FT HORIZONTAL RADIUS OF A PROPANE DISPENSER  
= 3359.82 ft<sup>2</sup> (314.07 m<sup>2</sup>)

**AREA B** = ALL BUILDINGS, OTHER THAN INDUSTRIAL OCCUPANCY BUILDINGS (OR PART THEREOF), WITHIN A 75 FT HORIZONTAL RADIUS OF A PROPANE DISPENSER  
= 435.15 ft<sup>2</sup> (40.52 m<sup>2</sup>)

**AREA C** = ALL INDUSTRIAL OCCUPANCY BUILDINGS (OR PART THEREOF) WITHIN AN AREA BOUNDED BY HORIZONTAL RADIUS OF 75 FT AND 300 FT FROM A PROPANE DISPENSER  
= 2451.45 ft<sup>2</sup> (227.75 m<sup>2</sup>)

**AREA D** = ALL BUILDINGS, OTHER THAN INDUSTRIAL OCCUPANCY BUILDINGS (OR PART THEREOF), WITHIN AN AREA BOUNDED BY HORIZONTAL RADIUS OF 75 FT AND 300 FT FROM A PROPANE DISPENSER  
= 5245.45 ft<sup>2</sup> (489.21 m<sup>2</sup>)

AREA 7 = 431.84 ft<sup>2</sup> (40.12 m<sup>2</sup>)  
AREA 8 = 5215.45 ft<sup>2</sup> (484.91 m<sup>2</sup>)  
AREA 9 = 2013.53 ft<sup>2</sup> (187.02 m<sup>2</sup>)  
AREA 10 = 537.33 ft<sup>2</sup> (49.92 m<sup>2</sup>)  
AREA 11 = 665.31 ft<sup>2</sup> (61.81 m<sup>2</sup>)  
AREA 12 = 50.35 ft<sup>2</sup> (4.65 m<sup>2</sup>)  
AREA 13 = 345.19 ft<sup>2</sup> (32.07 m<sup>2</sup>)

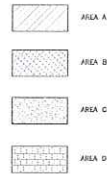
**AREA E** = SUM OF AREA A PLUS TWICE AREA B  
= 4222.82 ft<sup>2</sup> (393.11 m<sup>2</sup>)

**AREA F** = SUM OF AREA C PLUS TWICE AREA D  
= 20948.29 ft<sup>2</sup> (1940.17 m<sup>2</sup>)

**ABOVEGROUND TANKS**

AN ABOVEGROUND TANK SHALL NOT BE LOCATED WHERE:  
A) ANY PART OF A SCHOOL BUILDING IS WITHIN 100 FT (30.48 m) OF A TANK  
B) ANY PART OF A RESIDENTIAL BUILDING IS WITHIN 25 FT (7.62 m) OF A TANK  
C) THE SUM OF AREA E PLUS 6.1 TIMES AREA F IS GREATER THAN 15000  
THEREFORE, IN THIS CASE, THE NUMBER IS 3355.11 WHICH IS LESS THAN 15000

**LEGEND**



**KEY PLAN**



NO.	DATE	BY	APP. BY
1	APR 11, 2015	J.F.S.	J.F.S.

NO.	DATE	BY	APP. BY

**exp SERVICES INC.**  
 • +1 505 793 5200 / +1 365 793 6641  
 1818 Clark Boulevard  
 Beaverton, OR 97005-4111  
 Canada  
 www.exp.com

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •  
 • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

**CANADIAN TIRE REAL ESTATE LTD.**  
 1000 KENNEDY ROAD, FORT ERIE, ONTARIO, CANADA  
 (708) 742-1111

Location  
**FORT ERIE, ONTARIO**

Title  
**PROPANE BRANCH STANDARD NUMBER 9  
 SITE PLAN**

Designed By: ---	Drawn By: J.S.	Checked By: J.F.S.
Scale: 1/4"=1'-0"	Date: APR 11, 2015	Sheet No: MO2
Project No: BRN0605397 AD		





<p>MUNICIPAL CONTACT:</p> <p>RICK BRADY DIRECTOR OF PLANNING AND COMMUNITY SERVICES</p> <p>ADDRESS: 1 MUNICIPAL CENTRE DRIVE, FORT ERIE, ON L2A 2S6 Phone: (905) 871-1600 EXT. 2500 Fax: (905) 871-6411 Email: rbrady@town.forterie.ca</p>
<p>CAPACITY OF PROPANE TANK : 2000 USWG VERTICAL TANK</p>
<p>GPS COORDINATES: 42°54'21.98"N 78°55'30.13"W</p>
<p>CIRCULAR DISTANCE TO 1 PSI OVER PRESSURE: 246 m</p>
<p><b>Canadian Tire</b> <b>Fort Erie, Ontario</b> ADDRESS: 240 GARRISON RD, FORT ERIE, ONTARIO</p>
<p>DRAWN BY: H. NOROUZI    DATE: JUNE 25/15</p> <p><b>Superior</b> Propane</p>