



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.

<p style="text-align: center; font-size: small;">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>Licence Number: <input type="text" value="000302689"/></p> <p>Check applicable type of propane operations.</p> <p> <input checked="" type="checkbox"/> Cylinder <input type="checkbox"/> Motor Fill <input checked="" type="checkbox"/> Filling Plant <input type="checkbox"/> Card/Keylock </p> <p style="font-size: x-small;">Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.</p>	<p style="text-align: center; font-weight: bold;">For Office Use Only</p> <div style="border: 1px solid black; height: 80px; width: 100%;"></div>
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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 <input type="text" value="Stephen K. Mann Ltd."/>		Corporation No. <input type="text" value="1285704"/>	
Operator Name (if different from above) <input type="text" value="Canadian Tire Associate Store #445"/>			
Telephone No. <input type="text" value="705-523-6000"/>	Fax No. <input type="text" value="705-523-5640"/>	E-mail <input type="text" value="stephen.mann@thetire.ca"/>	
B Street No. <input type="text" value="2259"/> Street Name / 911 Number / Address, if applicable <input type="text" value="Regent St. South"/>			
Town / City or Township / County <input type="text" value="Sudbury"/>		Province <input type="text" value="Ontario"/>	Postal Code <input type="text" value="P3E5M9"/>
Mailing address if different from above.			
C Street No. <input type="text"/> Street Name / 911 Number / Address, if applicable <input type="text"/>			
Town / City or Township / County <input type="text"/>		Province <input type="text"/>	Postal Code <input type="text"/>

Information on Container Refill Centre or Filling Plant		
Location of facility.		
D Street No. <input type="text" value="2259"/>	Street Name / 911 Number / Address, if applicable <input type="text" value="Regent St. South"/>	Nearest Major Intersection <input type="text" value="Regent St. South & Algonquin Rd."/>
Town / City or Township / County <input type="text" value="Sudbury"/>		Province <input type="text" value="Ontario"/>
Postal Code <input type="text" value="P3E5M9"/>		

Name of Licence Holder <input type="text" value="Stephen Mann - Stephen K. Mann Ltd."/>	
Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT) <input type="text" value="Stephen Mann"/>	ROT type <input type="text" value="PTI Course 100-01"/>
Municipality (or municipalities if the facility or its hazard distance touches multiple borders) <input type="text" value="Sudbury, Ontario"/>	
Hours of operation. <div style="background-color: black; width: 100%; height: 40px;"></div>	

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 Name of Licence Holder <input type="text" value="Stephen Mann - Stephen K. Mann Ltd."/>	Signature 	Date (dd-mm-yyyy) <input type="text" value="05-Nov-2018"/>
Name of Senior Management person as defined in the Regulation holding the Record of Training <input type="text" value="Stephen K. Mann"/>		



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SECTION A: GENERAL INFORMATION (cont'd)

Indicate the year the facility was established. 1995 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>300</u>	<u>5.563671</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: 1300 Portable: 140 Mobile: N/A

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Name of person completing this form (please print) COURTNEY DUNCAN		Official Title HEALTH & SAFETY CO-ORDINATOR	
Signature 		Telephone No. 705-523-6000 X 224	Date (dd-mmm-yyyy) 05-Nov-2018



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s) Superior Propane - Ontario Regional Operations Centre		For Office Use - Party No.	
Street No. 251	Street Name / 911 Number / Address, if applicable Woodlawn Road West, Unit 217		
Town / City or Township / Country Guelph		Province Ontario	Postal Code N1H 8J
Telephone No. 1-877-873-7467	Fax No. 519-836-7766	Contact Name Mike Mullins	
E-mail mullinsm@superiorpropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>		For Office Use - Party No.	
Superior Propane - Sudbury Propane Bulk Plant			
Street No. 2475	Street Name / 911 Number / Address, if applicable Maley Drive		
Town / City or Township / Country Sudbury		Province Ontario	Postal Code P3A 4R7
Telephone No. 519-780-4052	Fax No. 1-866-341-3395	Contact Name Tyson Burke - Sudbury Delivery Co-ordinator	
E-mail tyson_burke@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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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.

The following is located in the tool room behind the service bays: waste coolant tank (150 uswg), transmission fluid tank 780L, 5W20 oil tank 1100L,

5w30 oil tank 1000L waste oil tank 1500 uswg, 4 oxygen tanks, 3 acetylene tanks, 1 carbon dioxide tank. 1 skid of sulfuric acid 16 x 24kg is

located outside in the tire compound behind the service garage.

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

1 20lb. fire extinguisher at propane filling station; 10lb fire extinguishers on either side of service bay doors.

Fire hydrant at main entrance of building

Fire hose hook-up beside parts/service entrance

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 between tank and downstream propane dispenser. 2. Pump shut-off switch at propane station shuts off power to pump. 3. Emergency stop on wall of service garage shuts off all power to propane station. 4. ISC valve interlock cable (interlocked with cabinet door) —ISC valve closes when door is closed) 5. Emergency pull station located inside garage entrance door.

Maintenance and testing schedule for fire protection controls and devices.

Annually inspected by Troy Life & Fire

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

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key Contact

Name STEPHEN MANN	For Office Use - Party No.
Official Title DEALER / OWNER	
Telephone No. 705-523-6000 X 322	Fax No. 705-523-5640
E-mail steve.mann@thetire.ca	
Role and responsibilities in emergency Co-ordinate site response.	

5. Facility 24-Hour Contact Person

Name STEPHEN MANN	For Office Use - Party No.
Official Title DEALER / OWNER	
Cell No. 902-471-0556	Fax No. N/A
E-mail steve.mann@thetire.ca	
Role and responsibilities in emergency Co-ordinate site response.	

2. Facility Contact Personnel - Alternate Contact

Name Laurie McVittie	For Office Use - Party No.
Official Title General Manager	
Telephone No. 705-665-8059	Fax No.
E-mail laurie.mcvittie.445@thetire.ca	
Role and responsibilities in emergency Co-ordinate site response if Dealer not available.	

6. Name of Facility Manager

Name STEPHEN MANN	For Office Use - Party No.
Official Title DEALER / OWNER	
Telephone No. 902-471-0556	Fax No. 705-523-5640
E-mail steve.mann@thetire.ca	
Role and responsibilities in emergency Co-ordinate site response.	

3. Local Fire Services - Key Contact

Name Michael MacIsaac	For Office Use - Party No.
Official Title Executive Deputy Chief of Fire Svcs	E-mail (see roles and responsibilities)
Telephone No. 705-674-4455 x 2768	Fax No. 705-983-5021
Role and responsibilities in emergency Fire department supervisor. Executive Deputy Chief of Fire & Paramedic Services (e-mail: michael.macisaac@greatersudbury.ca)	
Fire Services Address 239 Montee Principale Unit 5, Azilda, Ontario, P0M 1B0	

7. Propane Supplier Key Contact Person

Name Superior Propane Hotline	For Office Use - Party No.
Official Title	E-mail
Telephone No. 1-877-873-7467	Fax No.
Role and responsibilities in emergency	
Propane Supplier Address	

4. Local Fire Services - Alternate Contact

Name Graham Campbell	For Office Use - Party No.
Official Title Deputy Chief of Fire & Paramedic Srv	E-mail (see roles and responsibilities)
Telephone No. 705-674-4455 x 2731	Fax No. 705-983-5021
Role and responsibilities in emergency Fire department supervisor when fire chief not available, Deputy Chief of Fire & Paramedic Services (e-mail: graham.campbell@greatersudbury.ca)	
Fire Services Address 239 Montee Principale Unit 5, Azilda, Ontario, P0M 1B0	

8. Municipal Contact

Name Andre Guilot	For Office Use - Party No.
Official Title Head of Building Services	
Telephone No. 705-674-4455 x 4666	Fax No. 705-675-1075
E-mail andre.guilot@greatersudbury.com	
Municipality Name and Address City of Greater Sudbury, Tom Davies Square, 200 Brady St. Sudbury, ON, P3A 5P3	

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Name of person completing this form (please print) COURTNEY DUNCAN	Official Title HEALTH & SAFETY CO-ORDINATOR
Signature 	Telephone No. 705-523-6000 X 225
	Date (dd-mmm-yyyy) 05-Nov-2018



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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.

[Empty lines for describing additional safety measures]

** Additional Note:

Canadian Tire Gas+ Station located within blast radius is owned seperately from the Canadian Tire Retail Store. (see below for specifics)

Proximity of Gasoline Storage Tanks to Bulk Propane Storage Tanks: 154.80m

Capacity of Gasoline Storage Tanks: 3 tanks (2 regular, 1 premium) @ 29,140 Litres each (Total Capacity: 87,420 Litres)

[Empty lines for additional notes]

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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) 05-Nov-2018	Print Name of Training Provider: Canadian Tire #445
	Print Name of Instructor: COURTNEY DUNCAN - HEALTH & SAFETY CO-ORDINTAOR
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) 05-Nov-2018	Print Name of Training Provider: CANADIAN TIRE #445
	Print Name of Instructor: COURTNEY DUNCAN - HEALTH & SAFETY CO-ORDINTAOR
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) 27-May-2018	Print Name of Training Provider: CANADIAN PROPANE ASSOCIATION - c/o NORTH PRO SAFETY
	Print Name of Instructor: RANDY ELLIS - T2458
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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Name of person completing this form (please print) Courtney Duncan	Official Title Health & Safety Co-ordinator
Signature 	Telephone No. 705-523-6000 x 225
	Date (dd-mmm-yyyy) 05-Nov-2018



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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) 31-03-2019	Print Name of Training Provider: CANADIAN TIRE #445
	Print Name of Instructor: COURTNEY DUNCAN - Health & Safety Co-ordinator
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) 31-05-2019	Print Name of Training Provider: CANADIAN TIRE #445
	Print Name of Instructor: COURTNEY DUNCAN - Health & Safety Co-ordinator
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) 31-05-2019	Print Name of Training Provider: CANADIAN PROPANE ASSOCIATION - c/o NORTH PRO SAFETY
	Print Name of Instructor: RANDY ELLIS - T2458
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. 705-523-6000 X 225
	Date (dd-mmm-yyyy) 05-Nov-2018



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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 propane attendant (ROT person) on duty will radio "Propane Emergency", and hit the emergency shut off button. The manager on duty will announce a propane emergency on the loudspeakers and activate the fire alarm. This will begin evacuation of the building. The manager on duty is responsible to call 9-1-1, alert Facility Key Contact personnel, and alert surrounding businesses as time permits. The phone numbers necessary to do this will be kept with the fire binder which courtesy will bring with them when evacuating, allowing management to make these calls from a safe location.

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).

When employees hear the "Propane Emergency" code on the radio or loudspeakers before the fire alarm is activated, they will know (through training) to evacuate to the east section of the Hampton Inn and Homewood Suites parking lot, between the two hotel buildings.

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).

While the propane station is in use, an ROT person will be present and will be able to observe any problems and implement appropriate emergency response actions including hitting the emergency shut off button, calling 911 and having the manager on duty contacted so that evacuation procedures can begin.

When the station is not in operation, the ISC valve (main isolation valve) is closed and the propane system is unattended and locked. Any accidents involving the propane tank during such times will require the intervention of a passerby or store/service staff.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.

Propane station is located in a large open area in the parking lot. Fire department will not have any issues accessing the parking lot as there are 2 entrances off Algonquin Road, and 2 entrances off Regent St. South.

Describe how the licence holder will ensure continual flow of updated information to authorities.

The ROT person on duty will look at fill level in tank when initiating emergency procedures. If the ROT person is not present at the station when the problem arises, the manager on duty will provide this information to the authorities, if it is safe to be in close proximity to the tank.

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

The Dealer/Owner lives within a 5 minute response time of the store. The General Manager lives within a 20 minute response time of the store.

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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>45m</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.

8. 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?	<input type="checkbox"/>	<input type="checkbox"/>
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:		
As per the TSSA an official letter has been sent to the City of Greater Sudbury Fire Services Department, indicating a change of license holder of the existing fill centre and inviting them to visit the site and review the emergency plan should they wish to do so. A copy of this RSMP has also been sent for their review.		
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.		
Print name	Signature	Date (dd-mmm-yyyy)
Local Fire Services Name		

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CANADIAN TIRE

Executive Deputy Chief of Fire & Paramedic Services
Mr. Michael MacIsaac
c/o Greater Sudbury Fire Services
Unit 5 - 239 Montée Principale
Azilda, Ontario P0M1B0

Re: Propane Filling Centre Change of Licence Holder

November 05, 2018

Dear Mr. MacIsaac,

This letter is to serve as a notification that the pre-existing Propane Filling Centre at the South End Canadian Tire (2259 Regent Street South, Sudbury, ON) has recently changed ownership/licence holder. We invite you to attend the location to review the site and the emergency plan should you wish to do so. A copy of the Risk and Safety Management Plan has also been included with this letter for your review. Should you have any questions or if you would like to arrange a site visit please contact Courtney Duncan at 705-523-6000 x 224 or by email at courtney@ctc445.com, and we will be more than happy to facilitate.

Sincerely,

Courtney Duncan
Health & Safety Co-ordinator
Stephen K. Mann Ltd.
o/a Canadian Tire Associate Store #445

CANADIAN TIRE ASSOCIATE STORE #445
STEPHEN K. MANN LTD
2259 REGENT ST. SOUTH, SUDBURY, ONTARIO P3E 5M9
TEL: (705) 523-6000 FAX: (705) 523-5640



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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) 14-04-2015	Capacity of single largest propane storage vessel (USWG) 1300 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 3 METRES	Right side property line: 3 METRES
Rear: 3 METRES	Left side property line: 3 METRES
GPS coordinates of single largest vessel: 46.447, -80.9938	

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) COURTNEY DUNCAN	Official Title HEALTH & SAFETY CO-ORDINATOR	
Signature 	Telephone No. 705-523-6000 X 225	Date (dd-mmm-yyyy) 05/NOV/18



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 (cont'd)

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

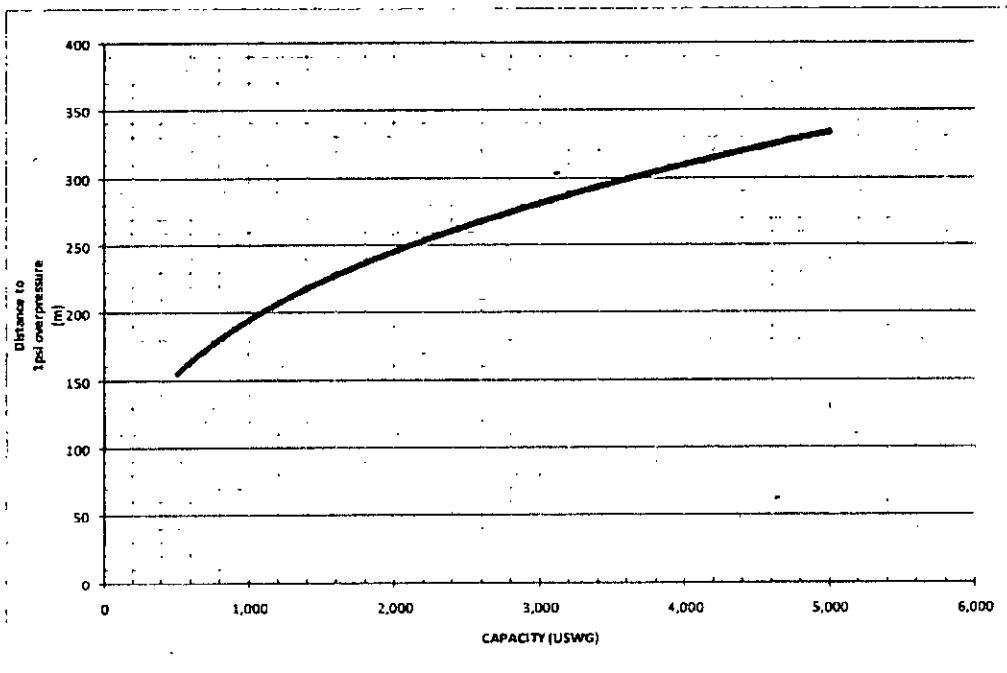
Table 1: Distance Table

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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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: Bristol Machine Works Address: 2100 Algonquin Rd City: Sudbury Province Ontario Postal Code P3E 4Z6			X		80 m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: [REDACTED] Address: [REDACTED] City: [REDACTED]			X		310 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: Canadian Tire Associate Store # 445 Address: 2259 Regent St. South City: Sudbury Province Ontario Postal Code P3E 5M9				X	15 m
Commercial building units - continuous occupancy specifically hotels, campgrounds, and resorts. Name: Comfort Inn Address: 2171 Regent St. South City: Sudbury Province Ontario Postal Code P3E 5V2			X		200 m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: R.L. Beattie Public School Address: 102 Loach's Road City: Sudbury Province Ontario Postal Code P3E 2P7			X		320 m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: Greater Sudbury Fire Service - Station 4 Address: 2069 Long Lake Road City: Sudbury Province Ontario Postal Code P4E 4M8			X		1000 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) COURTNEY DUNCAN	Official Title HEALTH & SAFETY CO-ORDINATOR
Signature 	Telephone No. 705-523-6000 X 225
	Date (dd-mmm-yyyy) 05/Nov/2018



Technical Standards and Safety Authority
www.issa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario MBX 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		
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	24	140
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity 140 USWG			

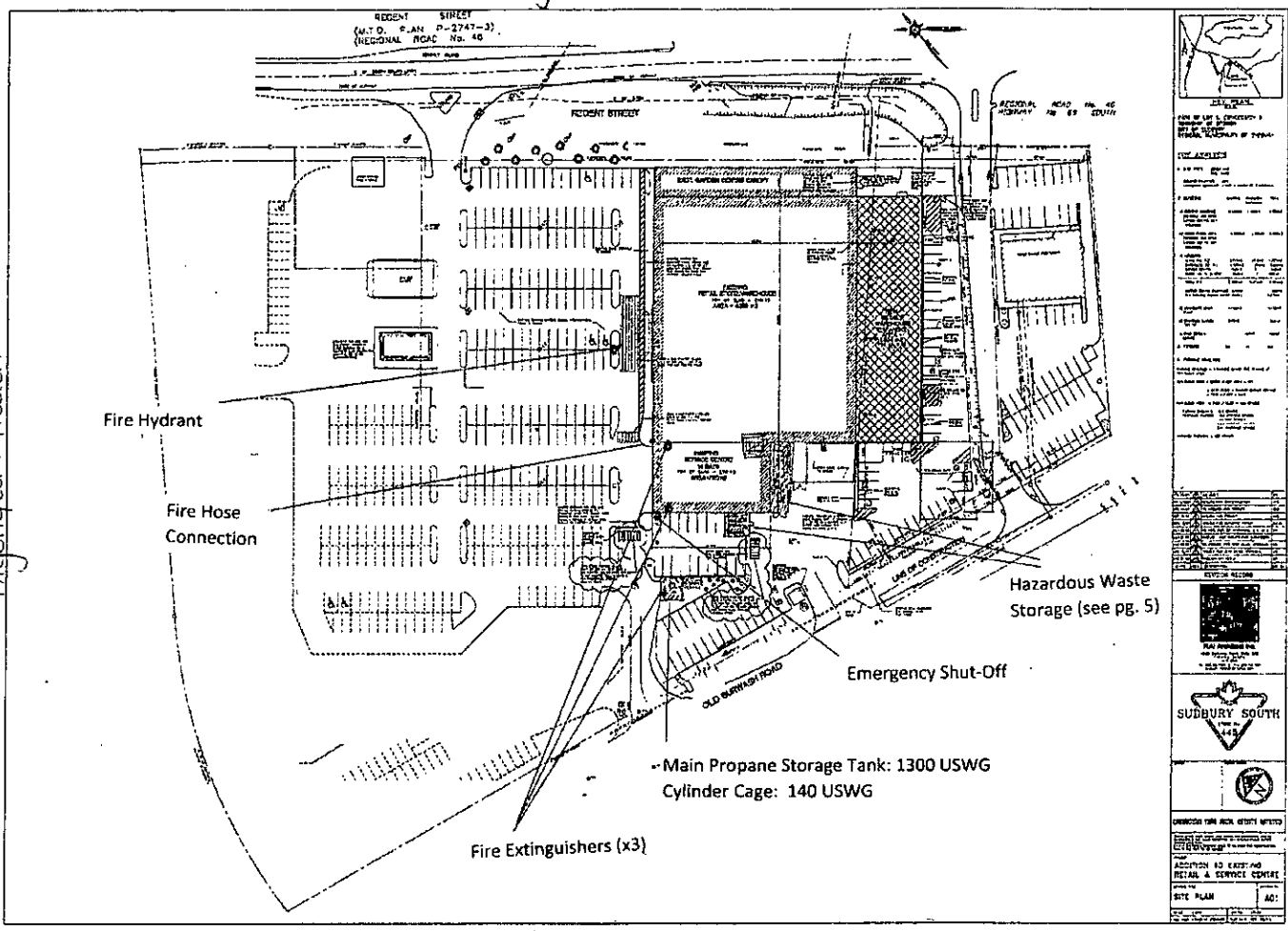
Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
Total Tank Capacity		

Total Cylinder Capacity	140 USWG
Total Tank Capacity	N/A
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	140 USWG

Regent Street

Algonquin Road



NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF EDMONTON ENGINEERING DEPARTMENT STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
4. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
5. THE CONTRACTOR SHALL PROVIDE ADEQUATE SAFETY MEASURES AND SIGNALING DURING CONSTRUCTION.
6. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES AND STRUCTURES.
8. ALL SITE RESTORATION AND CLEANUP SHALL BE COMPLETED BY THE END OF THE PROJECT.

REVISED RECORD

PLAN APPROVED BY THE ENGINEER IN CHARGE ON 12/15/2011

SUDBURY SOUTH

INCORPORATED IN 1975

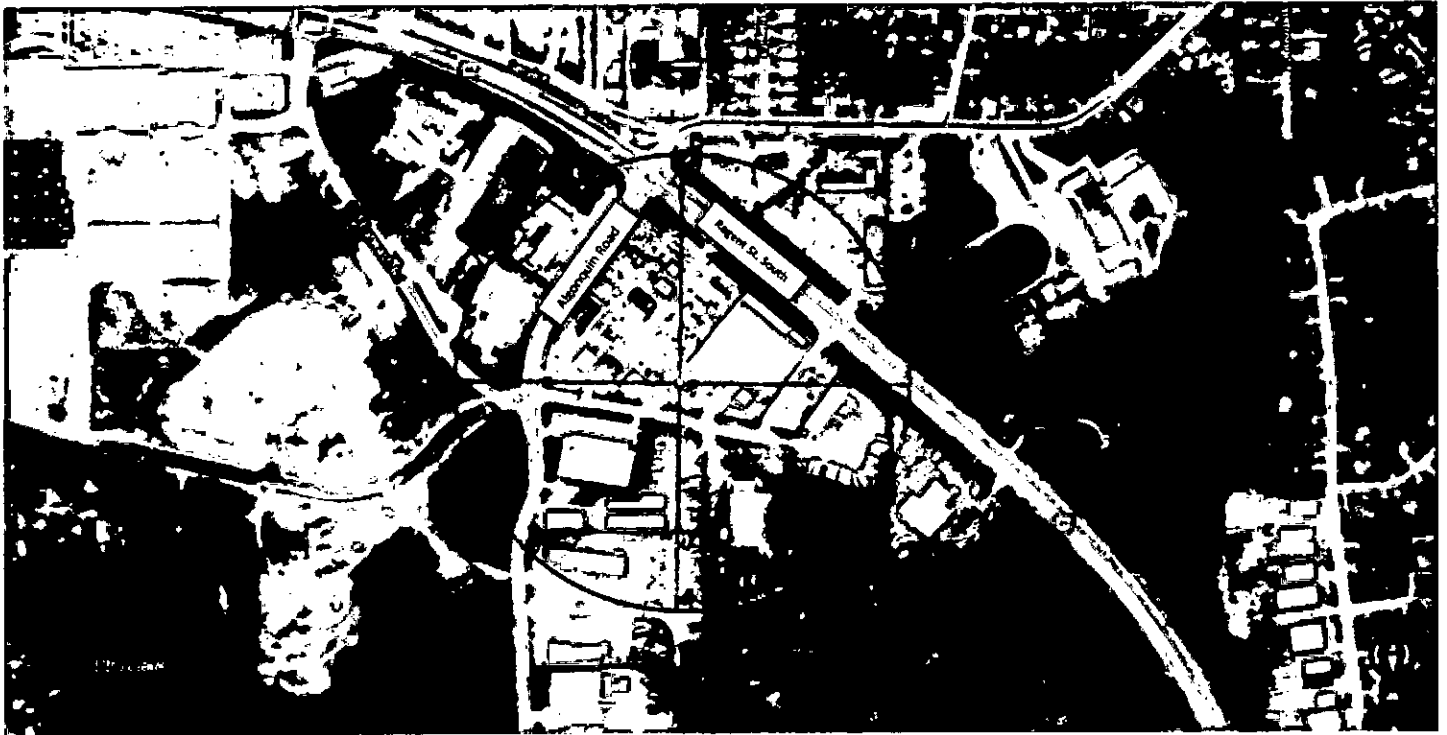
UNIVERSITY OF ALICIA, GEORGE, METEOR

DESIGN BY: [Name]

ADDITION TO EXISTING RETAIL & SERVICE CENTER

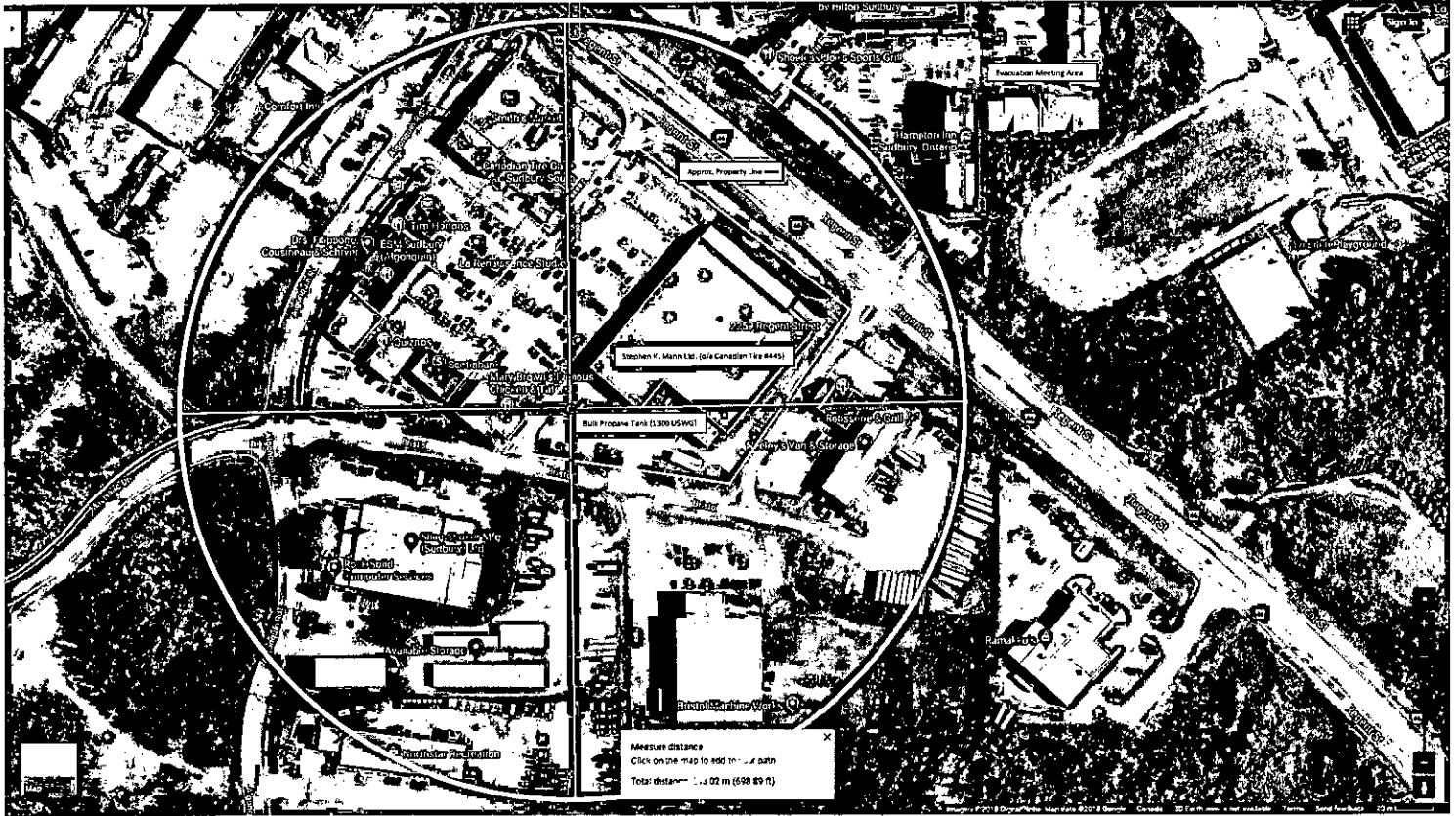
SITE PLAN

AC: [Number]



Location of Propane Storage Tank: Demarcated by ● in centre of circle	Note: Property Lines as shown on site plans	Map of Surrounding Area
Capacity of Propane Storage Tank: 1300 USWG	Municipality within the 1 psi overpressure circle: Municipality of Sudbury	Canadian Tire #445: 2259 Regent St. South
GPS Coordinates of Propane Storage Tank: 46.447, -80.9938	Municipal Contact: Andre Gullot	Legal Description: PLC 53332 SEC: FIRSTLY PT LT 5 CON 6 BORDER PT 1, 2, 3, 53R15892, T/W PT 4, 6, 9, 53R1892, AS IN LT839250; SECONDLY PT LT 5 CON 6 BORDER PT 12, 13, 14, 15, 53R14222, T/W LT687201, LT 720322, LT240853, LT 591716, S/T LT 747118, LT866054 GREATER SUDBURY
Circular Distance to 1 psi overpressure: Demarcated by large circle centered on tank Radial distance = 246m	705-674-4455 ext 4666 City of Greater Sudbury	

Aerial Map Prepared: April 14, 2015



Location of Propane Storage Tank
 Demarcated by ● in centre of circle

Capacity of Propane Storage Tank
 1300 USWG

Gas Coordinates of Propane Storage Tank
 46.447, -80.9338

Circle's Distance to 1 psi overpressure
 Demarcated by large circle centered on tank
 Radial distance = 213m

Note: Property Lines as shown on site plans
 Approx. shown on map as _____

Municipality within the 1 psi overpressure circle
 Municipality of Sudbury

Municipal Control
 Andre Gullot
 705-674-4455 ext 4666
 City of Greater Sudbury

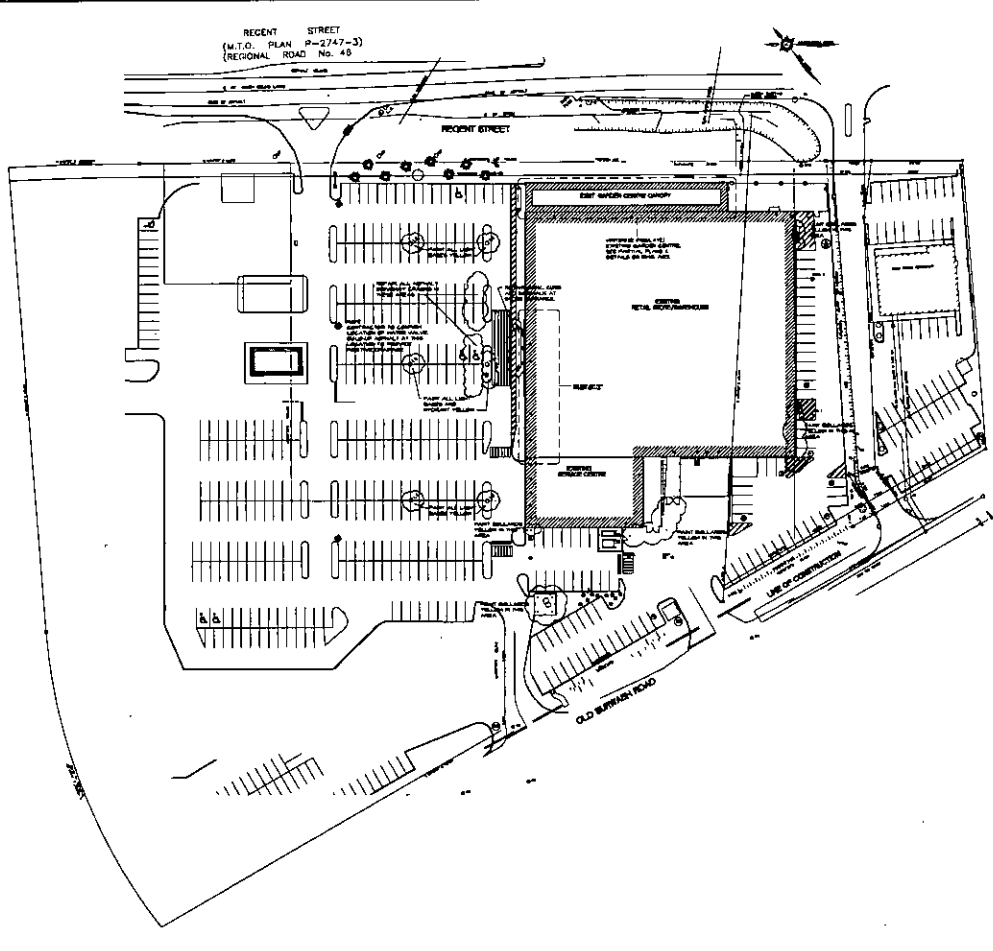
Map of Surrounding Area

Canadian Tire #445: 2259 Regent St. South

Legal Description: PLC 53332 SEC; FIRSTLY PT LT 5 CON 6 BORDER PT 1, 2, 3, S3R15892, T/W PT 4, 6, 9, S3R1892, AS IN LT839250; SECONDLY PT LT 5 CON 6 BORDER PT 12, 13, 14, 15, S3R14222, T/W LT687201, LT 720822, LT240853, LT 591716, S/T LT 747118, LT866054 GREATER SUDBURY

Aerial Map Prepared Nov 26, 2018

REGENT STREET
(M.T.O. PLAN P-2747-3)
(REGIONAL ROAD NO. 48)



GENERAL NOTES

1. EXISTING SITE PLAN AND SITE CONDITIONS SHOWN ON THIS SHEET HAVE BEEN CORRECTED FROM THE PLANS PREPARED BY THE ARCHITECT, DATED OCTOBER 22, 1953. THESE CORRECTIONS HAVE BEEN MADE TO THE ORIGINAL PLANS.
2. SPECIAL CONTRACTORS SHALL CORRECTIVE ALL WORKING BY LOCAL BUILDING OFFICIALS AND CONSULT WITH THE CITY ENGINEER AND BUILDING DEPARTMENT FOR ALL CORRECTIONS AND BUILDING DEPARTMENT REQUIREMENTS.
3. REVIS ALL DRAWINGS IN CONNECTION WITH ALL CORRECTIONS AND SPECIFICATIONS AND SUBMITTING CORRECTED DRAWINGS TO THE CITY ENGINEER'S OFFICE FOR APPROVAL BEFORE PROCEEDING TO WORK.

NOTE PLAN NOTES

1. OWNER IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ALL MARKERS BEFORE AND AFTER PAVING.
2. CLEAR SCARPE RUNT OFF ALL SURFACES AND REPAIR BEFORE FINISHING SCARPE ANY LONGER THAN 1/2" AND REPAIR SURFACE FOR FINISHING.

ITEM NO.		DESCRIPTION	QUANTITY	UNIT	AMOUNT	PERCENTAGE	TOTAL AMOUNT
1	1	Site Preparation	1.00	Sq. Ft.	100.00	10.00	100.00
2	2	Excavation	1.00	Sq. Ft.	100.00	10.00	100.00
3	3	Foundation	1.00	Sq. Ft.	100.00	10.00	100.00
4	4	Concrete	1.00	Sq. Ft.	100.00	10.00	100.00
5	5	Roofing	1.00	Sq. Ft.	100.00	10.00	100.00
6	6	Interior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
7	7	Exterior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
8	8	Painting	1.00	Sq. Ft.	100.00	10.00	100.00
9	9	Sanitary Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
10	10	Water Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
11	11	Gas	1.00	Sq. Ft.	100.00	10.00	100.00
12	12	Electric	1.00	Sq. Ft.	100.00	10.00	100.00
13	13	Plumbing	1.00	Sq. Ft.	100.00	10.00	100.00
14	14	Roofing	1.00	Sq. Ft.	100.00	10.00	100.00
15	15	Interior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
16	16	Exterior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
17	17	Painting	1.00	Sq. Ft.	100.00	10.00	100.00
18	18	Sanitary Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
19	19	Water Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
20	20	Gas	1.00	Sq. Ft.	100.00	10.00	100.00
21	21	Electric	1.00	Sq. Ft.	100.00	10.00	100.00
22	22	Plumbing	1.00	Sq. Ft.	100.00	10.00	100.00
23	23	Roofing	1.00	Sq. Ft.	100.00	10.00	100.00
24	24	Interior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
25	25	Exterior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
26	26	Painting	1.00	Sq. Ft.	100.00	10.00	100.00
27	27	Sanitary Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
28	28	Water Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
29	29	Gas	1.00	Sq. Ft.	100.00	10.00	100.00
30	30	Electric	1.00	Sq. Ft.	100.00	10.00	100.00
31	31	Plumbing	1.00	Sq. Ft.	100.00	10.00	100.00
32	32	Roofing	1.00	Sq. Ft.	100.00	10.00	100.00
33	33	Interior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
34	34	Exterior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
35	35	Painting	1.00	Sq. Ft.	100.00	10.00	100.00
36	36	Sanitary Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
37	37	Water Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
38	38	Gas	1.00	Sq. Ft.	100.00	10.00	100.00
39	39	Electric	1.00	Sq. Ft.	100.00	10.00	100.00
40	40	Plumbing	1.00	Sq. Ft.	100.00	10.00	100.00
41	41	Roofing	1.00	Sq. Ft.	100.00	10.00	100.00
42	42	Interior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
43	43	Exterior Finishes	1.00	Sq. Ft.	100.00	10.00	100.00
44	44	Painting	1.00	Sq. Ft.	100.00	10.00	100.00
45	45	Sanitary Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
46	46	Water Sewer	1.00	Sq. Ft.	100.00	10.00	100.00
47	47	Gas	1.00	Sq. Ft.	100.00	10.00	100.00
48	48	Electric	1.00	Sq. Ft.	100.00	10.00	100.00
49	49	Plumbing	1.00	Sq. Ft.	100.00	10.00	100.00
50	50	Roofing	1.00	Sq. Ft.	100.00	10.00	100.00

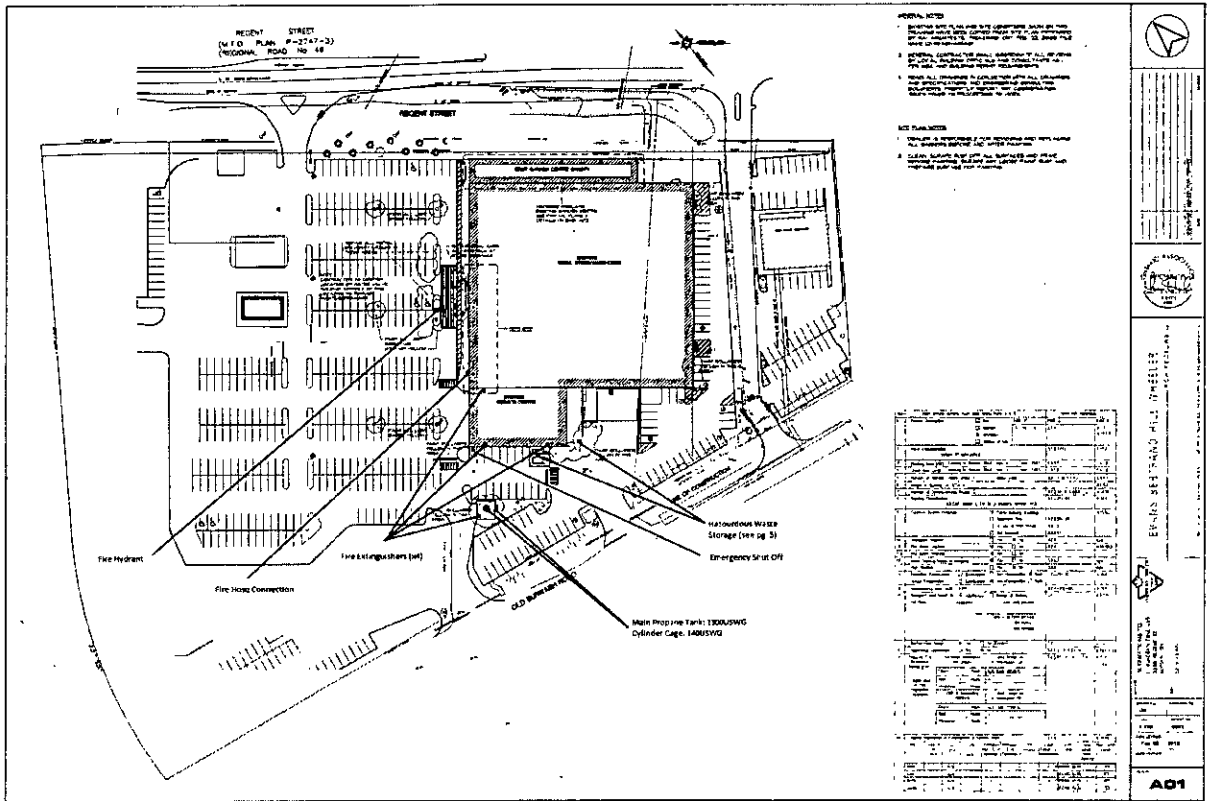


EVANS BERTRAND HILL WHEELER
ARCHITECTS



ALTERNATIONS TO
CONTRACT SHEET NO.
NO. 100
SITE PLAN

Sheet No. 100
Project No. 100
Date 10/22/53



NOTES:

1. Review this plan with the appropriate authority to ensure that all applicable codes and regulations are met.
2. All work shall be done in accordance with the applicable codes and regulations.
3. All work shall be done in accordance with the applicable codes and regulations.

NOTES:

1. This plan is a preliminary plan and is subject to change without notice.
2. All work shall be done in accordance with the applicable codes and regulations.

NO.	DESCRIPTION	DATE	BY
1	Issue for Review	10/10/2010	J. Smith
2	Issue for Construction	10/15/2010	J. Smith
3	Issue for Review	10/20/2010	J. Smith
4	Issue for Construction	10/25/2010	J. Smith
5	Issue for Review	11/05/2010	J. Smith
6	Issue for Construction	11/10/2010	J. Smith
7	Issue for Review	11/15/2010	J. Smith
8	Issue for Construction	11/20/2010	J. Smith
9	Issue for Review	11/25/2010	J. Smith
10	Issue for Construction	12/01/2010	J. Smith


 PROJECT NO. 10-10-10-001
 SHEET NO. 10-10-10-001-01
 DATE: 10/10/2010
 DRAWN BY: J. Smith
 CHECKED BY: J. Smith
 APPROVED BY: J. Smith
 PROJECT: 10-10-10-001
 SHEET: 10-10-10-001-01
 TITLE: 10-10-10-001-01
 SCALE: 1/8" = 1'-0"
 PROJECT NO. 10-10-10-001
 SHEET NO. 10-10-10-001-01
 DATE: 10/10/2010
 DRAWN BY: J. Smith
 CHECKED BY: J. Smith
 APPROVED BY: J. Smith
 PROJECT: 10-10-10-001
 SHEET: 10-10-10-001-01
 TITLE: 10-10-10-001-01
 SCALE: 1/8" = 1'-0"
A01