



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.

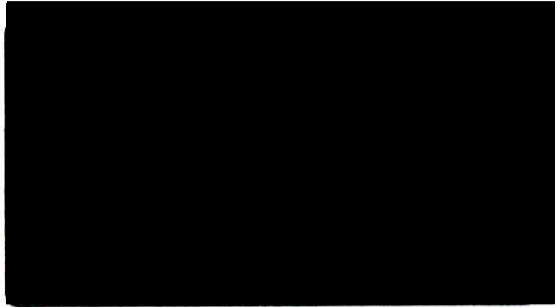
Failure to fully complete this form may result in rejection. Making a false statement may result in a fine or prosecution under the Technical Standards and Safety Act

Licence Number N/A

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 Go-With-U Petro Inc. Corporation No. 886093-9

Operator Name (if different from above)
Qing Yang Yang (Kevin) & Ying Liu (Linda)

Telephone No. 647-829-9158 Fax No. N/A E-mail linda.ca1217@gmail.com

B Street No. 191 Street Name / 911 Number / Address, if applicable Keil Drive South

Town / City or Township / County Chatham Province Ontario Postal Code N7M 6J5

C Mailing address if different from above.

Street No. 191 Street Name / 911 Number / Address, if applicable Keil Drive South

Town / City or Township / County Chatham Province Ontario Postal Code N7M 6J5

Information on Container Refill Centre or Filling Plant

D Location of facility.

Street No. 191 Street Name / 911 Number / Address, if applicable Keil Drive South Nearest Major Intersection Richmond Street & Keil Drive

Town / City or Township / County Chatham Province Ontario Postal Code N7M 6J5

Name of Licence Holder Go-With-U Petro Inc.

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Ying Liu ROT type 100-11

Municipality (or municipalities if the facility or its hazard distance touches multiple borders)
Municipality of Chatham-Kent

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-mmm-yyyy)
Name of Licence Holder <u>Ying Liu</u>		<u>15-08-2016</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Ying Liu</u>		<u>15-08-2016</u>



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SECTION A: GENERAL INFORMATION (cont'd)

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

2016 New Site, No Modifications

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

	PSIG	Serial Number
Tank 1:	250	48-4
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: 2,000 USWG Portable: 145 USWG Mobile: 0 USWG

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Name of person completing this form (please print) Ying Liu	Official Title Director	
Signature 	Telephone No. 647-829-9158	Date (dd-mmm-yyyy) 15-08-2016



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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s)			
Superior Propane			
Street No.	Street Name / 911 Number / Address, if applicable		
6750	Century Ave Suite 400		
Town / City or Township / Country		Province	Postal Code
Mississauga		Ontario	L5N 2V8
Telephone No.	Fax No.	Contact Name	
613-391-9604	613-822-5221	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"/>			
Superior Propane			
Street No.	Street Name / 911 Number / Address, if applicable		
7652	Queens Line - Highway 2 West		
Town / City or Township / Country		Province	Postal Code
Chatham		Ontario	N7M 5J5
Telephone No.	Fax No.	Contact Name	
905-979-1129		Mac Sutherland	
E-mail			
sutherlm@SuperiorPropane.com			

Off-site Cylinder and/or Mobile Storage	Capacity stored off-site, in USWG	For Office Use - Party No.
N/A		
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)	Official Title	
Ying Liu	Director	
Signature	Telephone No.	Date (dd-mmm-yyyy)
	647-829-9158	15-08-2016



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

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key Contact		5. Facility 24-Hour Contact Person	
Name Ying Liu (Linda)	For Office Use - Party No.	Name Ying Liu (Linda)	For Office Use - Party No.
Official Title Director		Official Title Director	
Telephone No. 647-829-9158	Fax No. N/A	Cell No. 647-829-9158	Fax No. N/A
E-mail linda.ca1217@gmail.com		E-mail linda.ca1217@gmail.com	
Role and responsibilities in emergency Insures all employees are trained on emergency Plan and all equipment maintained. Calls 9-1-1 and assists with customer notification		Role and responsibilities in emergency Insures all employees are trained on emergency Plan and all equipment maintained. Calls 9-1-1 and assists with customer notification	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Qing Yang Yang (Kevin)	For Office Use - Party No.	Name Qing Yang Yang (Kevin)	For Office Use - Party No.
Official Title Manager		Official Title Manager	
Telephone No. 647-801-9157	Fax No. N/A	Telephone No. 647-801-9157	Fax No. N/A
E-mail kevinyoung5959@gmail.com		E-mail kevinyoung5959@gmail.com	
Role and responsibilities in emergency Will insure 9-1-1 call is made and the customers are evacuated from store and fuel area and inform Lube shop manager & liaise with Responders		Role and responsibilities in emergency Will insure 9-1-1 call is made and the customers are evacuated from store and fuel area and inform Lube shop manager & liaise with Responders	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Scott Sproule	For Office Use - Party No.	Name Mac Sutherland	For Office Use - Party No.
Official Title Chief Fire Prevention Officer	E-mail scotts@chatham-kent.ca	Official Title Regional Sales Manager	E-mail sutherlm@SuperiorPropane.com
Telephone No. 519.436.3270 Ext: 3404	Fax No. 519.352.8620	Telephone No. 905-979-1129	Fax No.
Role and responsibilities in emergency Reviews RSMP's and Fire Code requirements and coordinates staff under Fire Prevention and insures adequate resources are available.		Role and responsibilities in emergency Coordinate industry emergency response and insures equipment is available for dispatch to site and assists emergency responders as advisor	
Fire Services Address Chatham-Kent Fire Services, 5 Second St., Chatham, ON. N7M 5X2		Propane Supplier Address Superior Propane, 7652 Queen's Line, Highway 2 West, Chatham, ON. N7M 5J5	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Ken Stuebing	For Office Use - Party No.	Name Paul Lacina	For Office Use - Party No.
Official Title Fire Chief	E-mail kenk@chatham-kent.ca	Official Title Chief Building Official	
Telephone No. 519.436.3270 Ext: 3401	Fax No. 519.352.8620	Telephone No. 519.360.1998	Fax No. 519.436.3215
Role and responsibilities in emergency Oversees the Fire Department and insures all operations are adequately maintained and reports to City Council about Fire Department status		E-mail paul@chatham-kent.ca	
Fire Services Address Chatham-Kent Fire Services, 5 Second St., Chatham, ON. N7M 5X2		Municipality Name and Address Municipality Chatham-Kent, 315 King St., W. P.O. Box 640, Chatham, ON. N7M 5K8	

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2. Additional Safety Measures

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

There are no additional emergency response or measures in place at this facility that exceed or go beyond the Propane Code. Small facility such as this does not warrant such measures. Facility is checked daily and monthly and documented and kept on site. Leak checks done monthly and yearly review of equipment and hoses is done by qualified tradespersons and TSSA inspectors.

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Signature 	Telephone No. 647-829-9158	Date (dd-mmm-yyyy) 15-08-2016



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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) 06-09-2016	Print Name of Training Provider: Superior Propane
	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) 06-09-2016	Print Name of Training Provider: Superior Propane
	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) 16-08-2016	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Rene Cadotte
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) 30-07-2017	Print Name of Training Provider: Go-With-U Petro Inc.
	Print Name of Instructor: Ying Liu
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) 30-07-2017	Print Name of Training Provider: Go-With-U Petro Inc.
	Print Name of Instructor: Ying Liu
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) 04-08-2019	Print Name of Training Provider: TBD
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider: TBD
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider: TBD
	Print Name of Instructor:

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	Date (dd-mmm-yyyy) 15-08-2016



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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 manager on duty will determine the extent of any failure at the propane facility and if minor a call to the propane supplier will be made so repairs can be started. The facility will be isolated until repaired. If major, a call to 9-1-1 will be made and the local fire and police services will be dispatched. The manager will insure the facility is isolated and any customers are warned and the owner of the Lube Shop is informed. Public notification will be the responsibility of the Emergency Responders.

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 facility will be isolated and employees from the station and Lube Shop will be informed and meet at the Emergency Muster Point (See Fire Plan drawing).
Manager will liaise with Emergency Responders and call the Owner if they are not already on site.

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).
In the case of fire, spill, sparks or accident into equipment, Site Supervisor will shut off main emergency switch and breakers and call 911 from cell or station phone. Other staff on duty will confirm 911 call was placed to Supervisor after asking all to evacuate.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
The site is not fenced. Access to the tank is unimpeded. The lockable enclosure will be accessible during business hours but if after hours, the cabinet can be accessed by Bolt Cutters if necessary.

Describe how the licence holder will ensure continual flow of updated information to authorities.
The Manager or Owner will call the Fire Chief or Deputy Chief and keep them updated with any new information. If they are not available, the Officer will call the person in charge.

How long will it take the facility liaison person to respond to the site.
Facility Manager will attend site within 15-20 minutes
Owner will attend site 8-15 minutes

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Signature 	Telephone No. 647-829-9158
	Date (dd-mmm-yyyy) 16-08-2016



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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 type="checkbox"/>	<input checked="" 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>50 m</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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Signature 	Telephone No. 647-829-9158	Date (dd-mmm-yyyy) 16-08-2016



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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:

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-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 Scott Sproule, Chief Fire Prevention Officer	<i>Scott Sproule</i>	25-08-2016 Aug 31/16

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Name of person completing this form (please print)	Official Title	Date (dd-mmm-yyyy)
Ying Liu	Director	16-08-2016
Signature	Telephone No.	
<i>Ying Liu</i>	647-829-9158	



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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) <u>24-07-2016</u>	Capacity of single largest propane storage vessel (USWG) <u>2000 USWG</u>
Tank setback coordinates. Indicate placement on the map.	
Front: <u>63 m</u>	Right side property line: <u>21.7 m</u>
Rear: <u>26.3 m</u>	Left side property line: <u>19.4 m</u>
GPS coordinates of single largest vessel:	<u>Long42°23'18.31"N Lat:82°12'6.25"W</u>

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Name of person completing this form (please print) <u>Ying Liu</u>	Official Title <u>Director</u>	
Signature 	Telephone No. <u>647-829-9158</u>	Date (dd-mmm-yyyy) <u>16-08-2016</u>



SECTION C: SUBMISSIONS (cont'd)

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

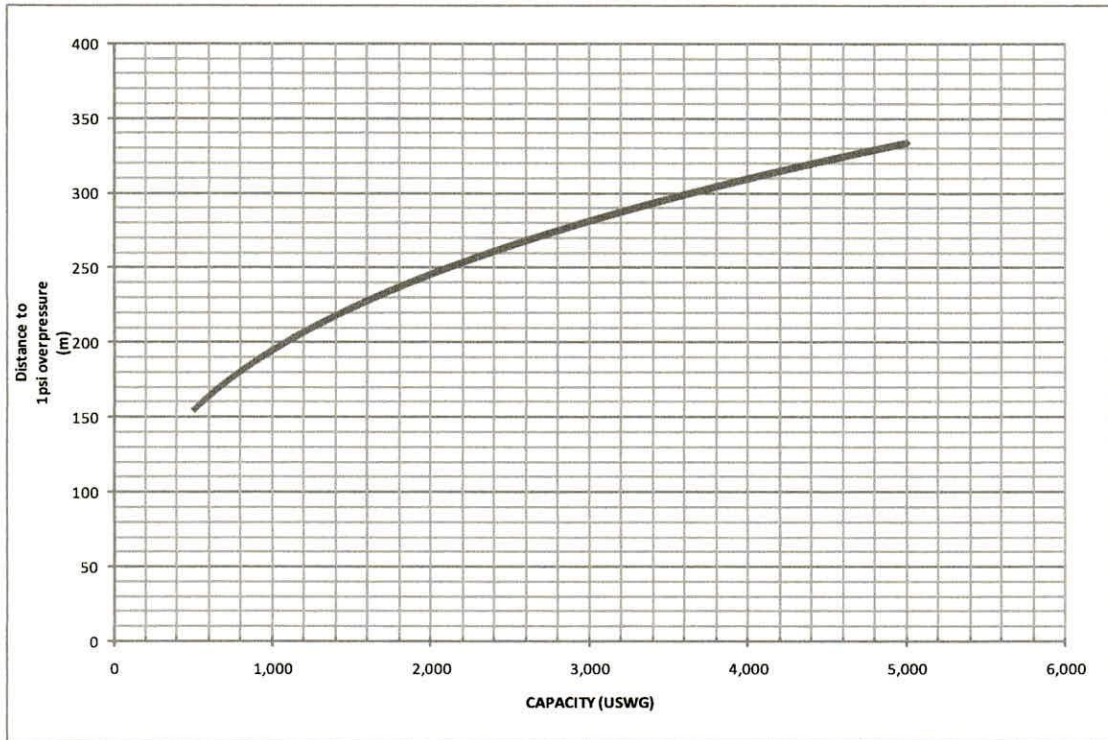
Table 1: Distance Table

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: <u>Sonoco Canada Corporation</u> Address: <u>674 Richmond Street</u> City: <u>Chatham</u> Province <u>Ontario</u> Postal Code <u>N7M 5K4</u>			X		<u>132</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Mr. Sub</u> Address: <u>640 Richmond Street</u> City: <u>Chatham</u> Province <u>Ontario</u> Postal Code <u>N7M 1R4</u>		X			<u>60,5</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>Holiday Inn</u> Address: _____ City: <u>Chatham</u> Province <u>Ontario</u> Postal Code _____			X		<u>203</u> m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ 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) <u>Ying Liu</u>	Official Title <u>Director</u>	
Signature 	Telephone No. <u>647-829-9158</u>	Date (dd-mmm-yyyy) <u>16-08-2016</u>



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

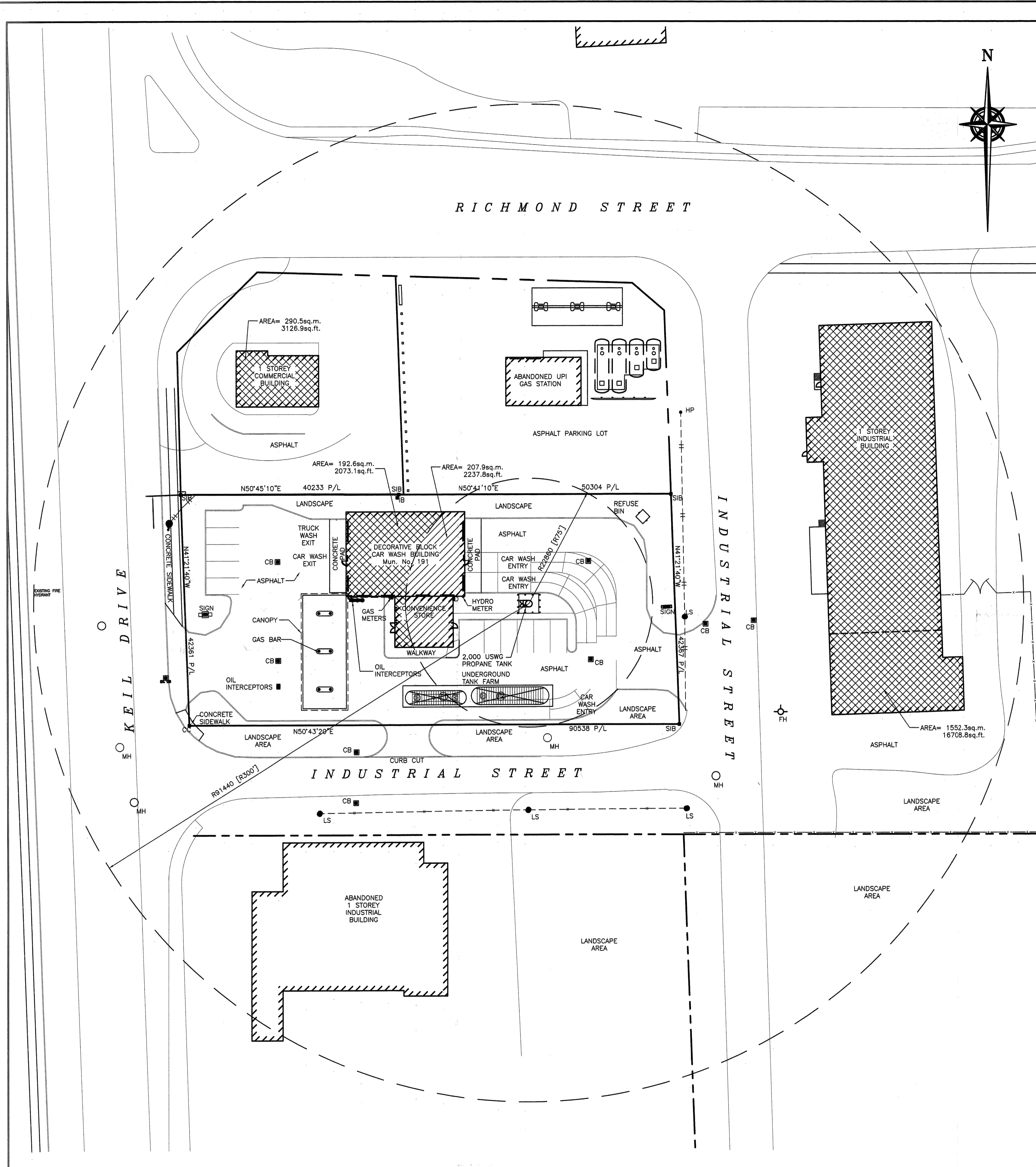
Portable Storage Additional Information Worksheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5		
# 40	11.75		
# 33.3	9.62		
# 30	8.8		
# 20	5.8	25	145 USWG
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			145 USWG

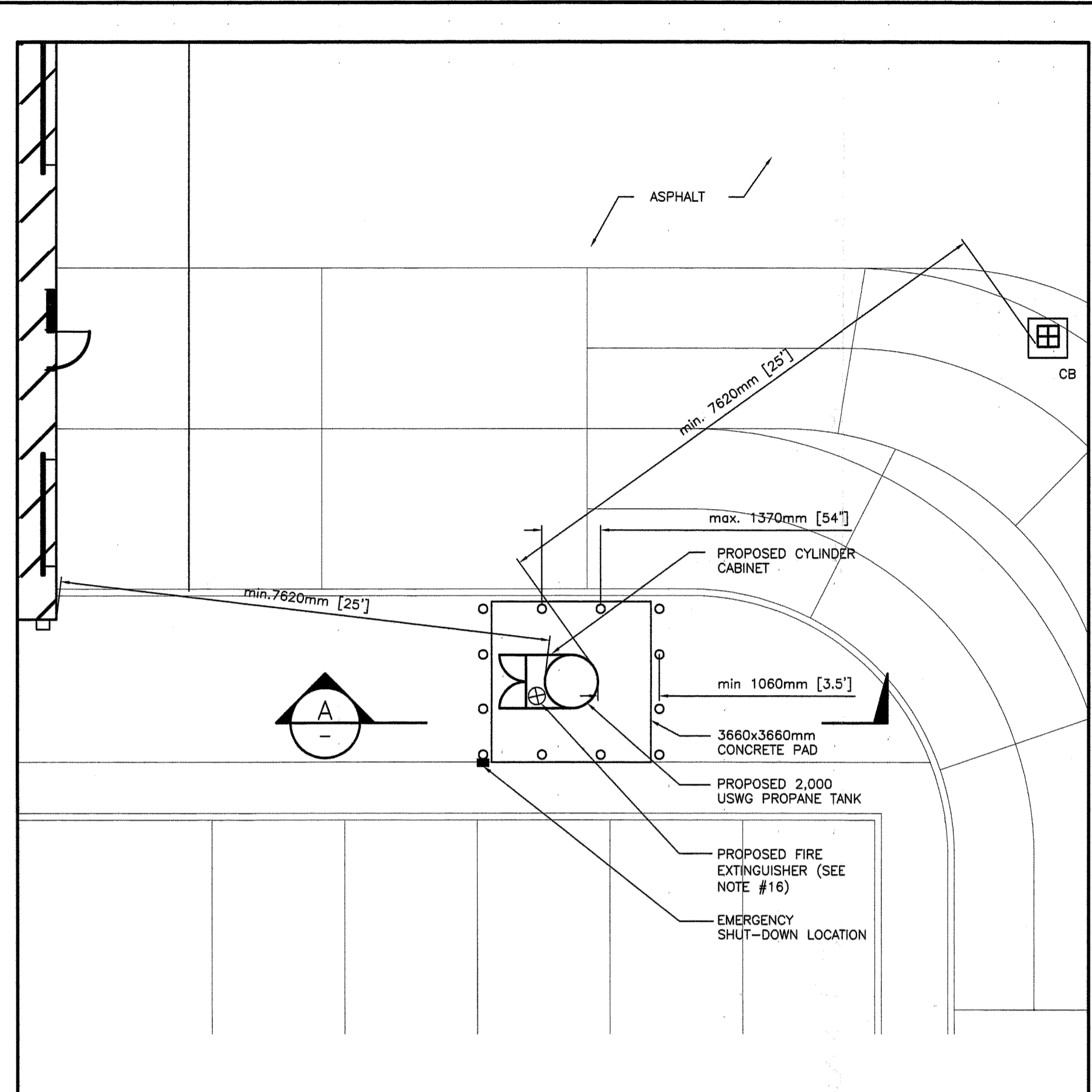
Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
Total Tank Capacity		0 USWG

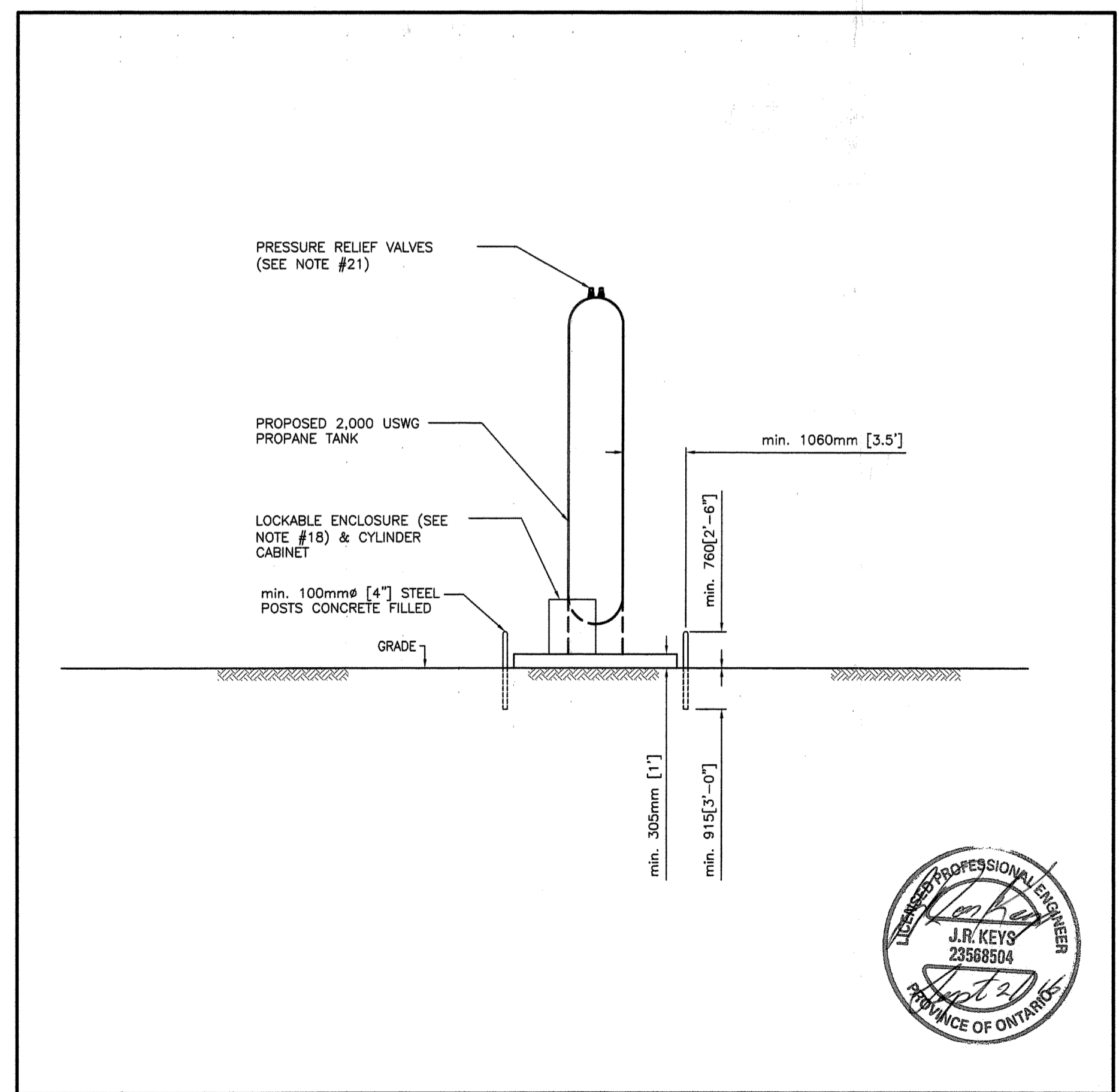
Total Cylinder Capacity	145 USWG
Total Tank Capacity	0 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	145 USWG



1 SITE PLAN
1:400



2 PLAN DETAIL 2,000 USWG TANK INSTALLATION
1:100



A DETAIL ELEVATION OF TANK
1:100

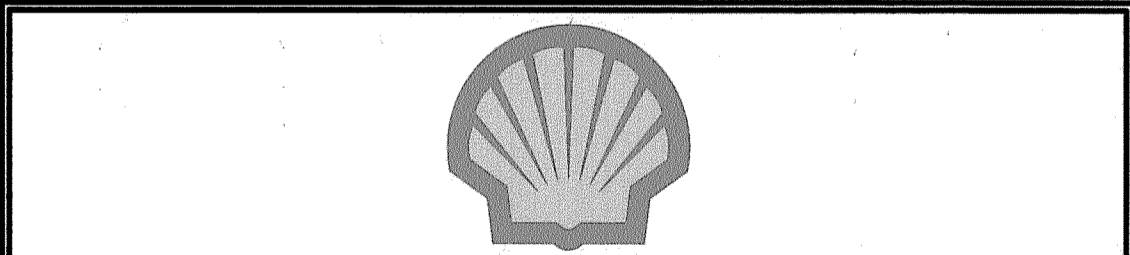
NOTES:

- AREAS SHOWN REPRESENT PORTIONS OF BUILDINGS BOUNDED BY THE 0-75 FEET AND 75-300 FEET RADII AS INDICATED.
- AREAS CALCULATED ARE USED FOR TSSA PROPANE BRANCH STANDARD #9 REQUIREMENTS.
- AREA REQUIREMENTS FOR BRANCH STANDARD #9 IS 6,878.9sq.ft. WHICH IS LESS THAN THE 15,000sq.ft. RESTRICTION. FACILITY IS IN COMPLIANCE WITH BRANCH STANDARD #9.
- SITE IS IN COMPLIANCE WITH THE B149.1-10 & B149.2-10 CODES REQUIREMENTS, AS PER APPROVED DISTANCES IF LOCATED AS SHOWN. ALL EQUIPMENT IS TO MEET APPLICABLE CODE REQUIREMENTS.
- ANY UPPER STORIES OF BUILDINGS THAT FALL WITHIN THE 75 FEET AND 300 FEET RADII ARE ALSO USED IN CALCULATING BRANCH STANDARD #9 LIMITS.
- INFORMATION TAKEN DURING SITE VISIT PERFORMED BY ALTENG PERSONNEL ON JUNE 24, 2016 TO CONFIRM SITE CONDITIONS.
- ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE APPROVED FOR PROPANE USE AND INSTALLED IN THE APPROPRIATE CLASSIFIED AREAS (I.E., HAZARDOUS, NON-HAZARDOUS, ETC.)
- ELECTRICAL EQUIPMENT IN THE VICINITY OF THE PROPANE TANK MUST BE APPROVED FOR CLASS 1, ZONE 1 AND ZONE 2, GROUP IIA HAZARDOUS LOCATIONS AS REQUIRED BY THE CEC LATEST EDITION.
- FACILITY USED FOR RETAIL CYLINDER ONLY.
- DISTANCES OF TANK AND ITS RELATED EQUIPMENT FROM CATCH BASINS TO BE MINIMUM 7.62 m (25 ft.) AS PER THE B149.2-10 CODE. INSTALLER TO VERIFY SITE CONDITIONS ARE IN COMPLIANCE.
- OCCUPANCY CLASSIFICATIONS HAVE BEEN SELECTED BY "MAIN OCCUPANCY" AS DEFINED BY THE ONTARIO BUILDING CODE 2007, WHERE DUAL OCCUPANCY CLASSIFICATIONS EXIST, THE MAIN FUNCTION HAS BEEN PRESUMED. (I.E. MERCANTILE 30% INDUSTRIAL 70%, F CLASSIFICATION USED.) UNLESS OTHERWISE SHOWN.
- SIGNS COMPLYING WITH CLAUSE 7.20.6 OF THE PROPANE STORAGE AND HANDLING CODE B149.2-10, SHALL BE PROMINENTLY DISPLAYED.
- ANY TANK DIMENSIONS ARE TYPICAL, ACTUAL TANK DIMENSIONS MAY VARY.
- PROPANE AND ELECTRICAL SHUTDOWN MUST BE PROVIDED FOR PROPANE DISPENSING EQUIPMENT AS PER CLAUSE 7.19.1.7 OF B149.2-10. THIS MUST BE INSTALLED.
- TANK MUST BE MORE THAN 3 m (10 ft.) FROM UNDERGROUND PETROLEUM TANKS, SECTION 7.1.8.
- PORTABLE FIRE EXTINGUISHER NOT LESS THEN 20-B.C. RATING TO BE MOUNTED AT SITE AS PER SUB CLAUSE 7.19.1.6.
- PROPANE TRANSPORTATION VEHICLES (I.E. BULK TRUCKS) ARE NOT ALLOWED TO PARK OVERNIGHT ON THIS SITE AND OWNER WILL NOT BE SUBJECT TO CLAUSES 8.15.4 AND 8.15.5 OF THE B149.2-10 PROPANE CODE.
- PROTECTION OF PRIMARY VALVES BY A CABINET CONSTRUCTED AS PER SUB CLAUSE 7.19.3 CAN ELIMINATE THE NEED OF ENCLOSING THE TANK BY FENCING AS PER SUB CLAUSE 7.19.2. THIS FACILITY NEEDS AN ENCLOSURE.
- ANY FENCES TO BE CONSTRUCTED IN ACCORDANCE WITH CLAUSE 6.5.2.1 (a) OR (b) OF B149.2-10.
- ANY UNDERGROUND PIPING MUST BE CATHODICALLY PROTECTED AS PER CLAUSE 7.8.3 OF B149.2-10.
- PRESSURE RELIEF VALVES ARE REGO MODEL 8685G FOR 1 1/4" CONNECTION WITH RELIEF CAPACITY OF 4,035 SCFM & REGO MODEL 8684G FOR 1" CONNECTION WITH RELIEF CAPACITY OF 2,565 SCFM.
- DRAWING FOR TSSA APPROVAL ONLY.

PROPANE BRANCH STANDARD NUMBER 9 STATISTICS		
AREAS	DESCRIPTION	AREA MEASURED (SQ.FT)
AREA A	INDUSTRIAL AREA WITHIN 75'	0.0
AREA B	NON-INDUSTRIAL AREA WITHIN 75'	2,237.8
AREA C	INDUSTRIAL AREA BETWEEN 75' AND 300'	16,708.8
AREA D	NON-INDUSTRIAL AREA BETWEEN 75' AND 300'	3,661.9
AREA E	AREA A + (2 x AREA B)	4,475.6
AREA F	AREA C + (2 x AREA D)	24,032.6
A/G TANK AREA	AREA E + (0.1 x AREA F)	6,878.9

1	AUG 15, '16	PROPANE TANK RELOCATED	JRK
0	JUL 27, '16	ISSUED FOR T.S.S.A. APPROVAL	JRK

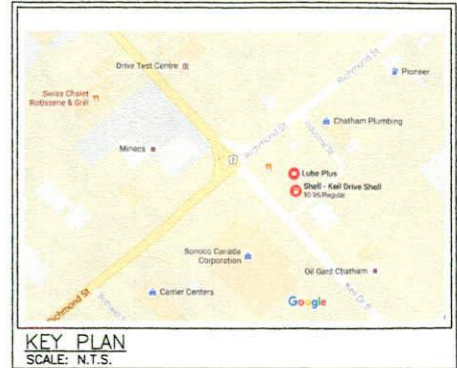
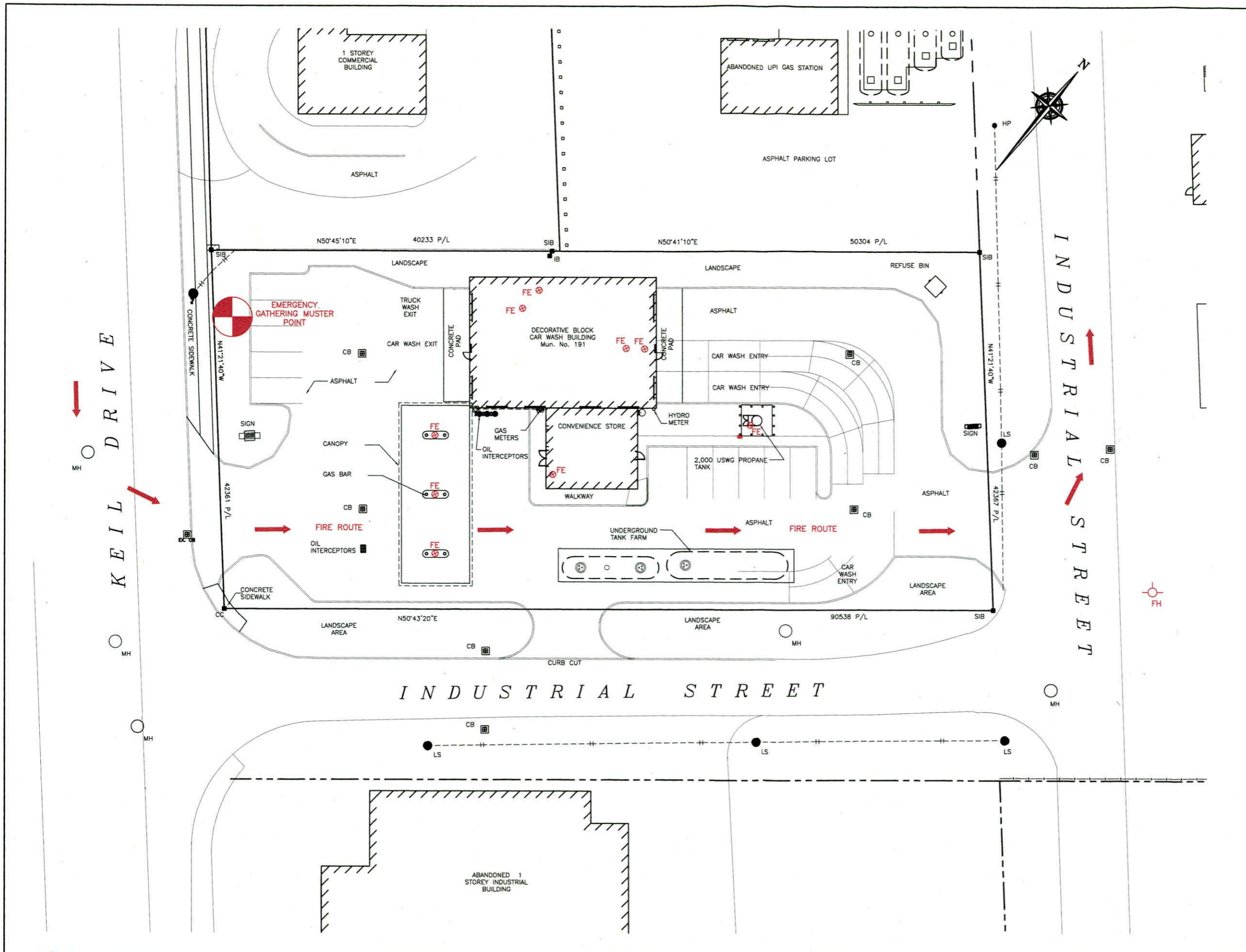
No.	Date	Description	By
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ALTENG Inc.
Alternative Energy Consulting
126 Holm Crescent, Thornhill, Ontario L3T 5J3
Telephone: (905)764-1644 Fax: (905)764-5986

Project:	GO-WITH-U PETRO INC. 191 Keil Drive South Chatham, ON. K9V 1L7	Drawn By:	D.F.
Drawing Title:	PROPOSED 2,000 USWG VERTICAL PROPANE TANK c/w RETAIL CYLINDER SCALE	Checked By:	J.R.K.
Drawing Number:	P-100	Date:	JUL 27, '16
File Number:	16080D	Drawing Scale:	AS SHOWN
ACAD INFORMATION		Plotting Scale: 1=1	

SR 193 6142



SITE DATA:

ZONING:	AGRICULTURAL - EXCEPTION 349
LOT AREA:	3,832.7sq.m.
BUILDING AREA:	441.7sq.m.
LOT COVERAGE OF BUILDING:	11.5%

PROPERTY LINE SETBACKS FOR PROPANE TANK

NORTH	19.4m
SOUTH	21.7m
EAST	26.3m
WEST	63.0m

GPS COORDINATES

LATITUDE	LONGITUDE
42°23'18.31"N	82°12'6.25"W

- LEGEND:**
- FE ⊕ FIRE EXTINGUISHER
 - FH ⊕ FIRE HYDRANT
 - ESD ■ EMERGENCY SHUT-DOWN
 - FIRE ROUTE
 - ⊕ MUSTER POINT (OPTION BASED ON WIND DIRECTION)

1	AUG 15, '16	PROPANE TANK RELOCATED	JRK
0	JUL 28, '16	ISSUED FOR RSMF	JRK
No.	Date	Description	By



ALTENG Inc.
Alternative Energy Consulting
126 Holm Crescent, Thornhill, Ontario L3T 5J3
Telephone: (905)764-1644 Fax: (905)764-5986

Project: GO-WITH-U PETRO INC. 191 Kell Drive South Chatham, ON. N7M 6J5	Drawn By: D.F. Checked By: J.R.K. Date: JUL 27, '16
Drawing Title: EMERGENCY FIRE PLAN FOR PROPOSED 2,000 USWG VERTICAL PROPANE TANK & RETAIL CYLINDER SCALE	Drawing Scale: 1:200
Drawing Number: P-101	File Number: 16080D
	ACAD INFORMATION Drawing File: 160800-P-101 Drawing Size: D Plotting Scale: 1=1



KEY PLAN
SCALE: N.T.S.

NOTES:

CONSEQUENCE DISTANCE TO AN OVERPRESSURE LEVEL OF 1 psi BASED ON TNT-EQUIVALENCY METHOD, AS PER T.S.S.A. GUIDELINES FOR THE IMPLEMENTATION OF THE RISK AND SAFETY MANAGEMENT PLAN

$$D = 17 \times \left(0.1 \times W_p \times \frac{HC_r}{HC_{TNT}} \right)^{1/3} = 246m$$

PROPERTY LINE SETBACKS FOR PROPANE TANK	
NORTH	19.4m
SOUTH	21.7m
EAST	26.3m
WEST	63.0m

GPS COORDINATES	
LATITUDE	LONGITUDE
42°23'18.31"N	82°12'6.25"W

PLANNING ADVISORY INFORMATION:

MUNICIPALITY OF CHATHAM-KENT
CIVIC CENTRE
315 KING STREET WEST, P.O. BOX 640
CHATHAM, ON.
N7M 5K8
ATTN: PAUL LACINA, CHIEF BUILDING OFFICIAL
PH#: 519.360.1998
FAX#: 519.438.3215
Email: paul@chatham-kent.ca

No.	Date	Description	By
1	AUG 15, '16	PROPANE TANK RELOCATED	JRK
0	JUL 28, '16	ISSUED FOR RSMP	JRK



ALTENG Inc.
Alternative Energy Consulting
126 Holm Crescent, Thornhill, Ontario L3T 5J3
Telephone: (905)764-1644 Fax: (905)764-5986

Project: GO-WITH-U PETRO INC. 191 Kall Drive South Chatham, ON. N7M 6J5	Drawn By: D.F. Checked By: J.R.K. Date: JUL 27, '16
Drawing Title: BLAST RADIUS LAYOUT PROPOSED 2,000 USWG VERTICAL PROPANE TANK & RETAIL CYLINDER SCALE	Drawing Scale: 1:200 ACAD INFORMATION Drawing File: 16080D-P-101 Drawing Size: D Plotting Scale: 1=1
Drawing Number: P-101	File Number: 16080D