



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Tel: 416.734.3300
 Fax: 416.231.4078
 Customer Service: 1.877.682.8772
 propane@tssa.org
 www.tssa.org

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 2250361 Ontario Inc. Corporation No. 2250361
 Operator Name (if different from above) Express Convenience
 Telephone No. 705.741.1219 Fax No. 705.741.1219 E-mail dianweixu@hotmail.com

B Street No. 6 Street Name / 911 Number / Address, if applicable Lindsay Road
 Town / City or Township / County Selwyn Province Ontario Postal Code K9J 6X3

Mailing address if different from above.

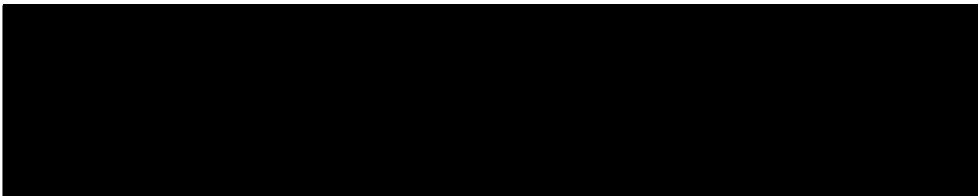
C Street No. 6 Street Name / 911 Number / Address, if applicable Lindsay Road
 Town / City or Township / County Township of Selwyn Province Ontario Postal Code K9J 6X3

Information on Container Refill Centre or Filling Plant

D Location of facility.
 Street No. 6 Street Name / 911 Number / Address, if applicable Lindsay Road Nearest Major Intersection Highway 7A & Lindsay Road
 Town / City or Township / County Township of Selwyn Province Ontario Postal Code K9J 6X3

Name of Licence Holder Jenny Wu
 Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Dianwei Xu ROT type 100-08
 Municipality (or municipalities if the facility or its hazard distance touches multiple borders) Township of Selwyn

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.

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Print name	Signature	Date (dd-mmm-yyyy)
Name of Licence Holder <u>Jenny Wu</u>		<u>18-04-2018</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Dianwei Xu</u>		<u>18-04-2018</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.

2018 N/A

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

	PSIG	Serial Number
Tank 1:	250 psig	
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: 139.2 USWG Mobile: 0 USWG

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Name of person completing this form (please print) Jenny Wu	Official Title Owner	
Signature 	Telephone No. 705.741.1219	Date (dd-mmm-yyyy) 18-04-2018



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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. 6722	Street Name / 911 Number / Address, if applicable Highway 7A		
Town / City or Township / Country Peterborough		Province Ontario	Postal Code K9J 6X5
Telephone No. 1.877-873.7467	Fax No. 1-705.745.3834	Contact Name Ron Taylor	
E-mail TaylorR@SuperiorPropane.com			

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>		For Office Use - Party No.	
Trimac Transportation			
Street No. 1700-800	Street Name / 911 Number / Address, if applicable 5th Avenue SW		
Town / City or Township / Country Calgary		Province Alberta	Postal Code T2P 5A3
Telephone No. 403.298.5100	Fax No. 403.298.5146	Contact Name Dale Eaid	
E-mail N/A			

Off-site Cylinder and/or Mobile Storage	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.

There are petroleum products on site with underground fuel tanks containing regular, premium & diesel fuel. There are small quantities of motor fuel on site in containers and windshield washer fluid etc. Nothing that would be considered hazardous.

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

There will be a fire extinguisher at the propane tank and there are fire extinguishers located inside the C-Store and at the fuel dispensers


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.

The tank is equipped with a fusible link that will melt in case of a fire. This will close the internal valve and stop any flow of propane to the cylinder being filled. There will be a remote emergency shutdown button at the tank to stop the pump. There are no other special features at this site.

Maintenance and testing schedule for fire protection controls and devices.

The tank and equipment are checked annually by the propane supplier and the Technical Standards & Safety Authority inspector will inspect the tank and the emergency shut-down system annually.

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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 Jenny Wu	For Office Use - Party No.	Name Jenny Wu	For Office Use - Party No.
Official Title Owner		Official Title Owner	
Telephone No. 705.741.1219	Fax No. 705.741.1219	Cell No. 289.338.8728	Fax No. 705.741.1219
E-mail dianweixu@hotmail.com		E-mail dianweixu@hotmail.com	
Role and responsibilities in emergency To insure all employees are trained in the Emergency Plan annually and to make sure all equipment is maintained and operational. Calls 911		Role and responsibilities in emergency Insures site Emergency Equipment is maintained and site is clear and individuals are trained under Code requirements	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Peter Xu	For Office Use - Party No.	Name Jenny Wu	For Office Use - Party No.
Official Title Owner		Official Title Owner	
Telephone No. 705.741.1219	Fax No. 705.741.1219	Telephone No. 705.741.1219	Fax No. 705.741.1219
E-mail dianweixu@hotmail.com		E-mail dianweixu@hotmail.com	
Role and responsibilities in emergency Assists with Emergency Procedures and makes sure customers and staff have evacuated the buildings		Role and responsibilities in emergency Same as Item 1	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Gord Jopling	For Office Use - Party No.	Name Mark Wakeford	For Office Use - Party No.
Official Title Fire Chief	E-mail gjopling@nexicom.net	Official Title Manager	E-mail wakefordm@superiorpropane.com
Telephone No. 705.292.7282	Fax No. 705.292.8634	Telephone No. 1-877.738.7033	Fax No. 705.745.383
Role and responsibilities in emergency Coordinates Fire Prevention services for Township of Selwyn and and reports to Township Council on Fire Services resources.		Role and responsibilities in emergency Knows the Emergency Response Group and can arrange for equipment to come to the site in case of emergencies and can coordinate industry response	
Fire Services Address Township of Selwyn, 833 Ward St., Bridgenorth, ON. K0L 1H0		Propane Supplier Address Superior Propane, 6722 Highway 7A, Peterborough, ON., K9J 6X5	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Ted Jackman	For Office Use - Party No.	Name Janice Lavalley	For Office Use - Party No.
Official Title Deputy Fire Chief	E-mail jackmans@nexicom.net	Official Title CAO	
Telephone No. 705.292.7282	Fax No. 705.292.8634	Telephone No. 705.292.9507	Fax No. 705.292.6491
Role and responsibilities in emergency Assist chief with coordination of Fire Services resources and Fire Prevention within the Township.		E-mail jlavalley@nexicom.net	
Fire Services Address Township of Selwyn, 833 Ward St., Bridgenorth, ON. K0L 1H0		Municipality Name and Address Township of Selwyn, 1310 Centre Line, Selwyn, ON. K9J 6X5	

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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.

The facility is a simple tank installation used to refill propane cylinders. There are no additional safety features or measures that exceed the

Propane Code. The facility does have security cameras located at various locations.

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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) 30-05-2018	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Mark Wakeford
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) 30-05-2018	Print Name of Training Provider: Superior Propane
	Print Name of Instructor: Mark Wakeford
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) 24-11-2017	Print Name of Training Provider: Promar Petroleum
	Print Name of Instructor: Mike Martin (#S191)
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) 25-05-2019	Print Name of Training Provider: Express Convenience
	Print Name of Instructor: Jenny Wu
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) 25-05-2019	Print Name of Training Provider: Express Convenience
	Print Name of Instructor: Jenny Wu
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) 10-11-2020	Print Name of Training Provider: Promar Petroleum
	Print Name of Instructor: Mike Martin
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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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 attendant on site will notify the Owner if a problem has occurred after pressing the ESD switch and closing the ISC valve. The Owner will inform staff and proceed to check the situation and determine the severity of the situation. If a 9-1-1 call is required, the Owner will make that call before proceeding to the "Muster Point" the Owner or Attendant will inform customers on site to leave the premises and then will shut down the fuel dispensers. The Owner or Attendant will not delay to make a call to 9-1-1 and request fire and police response.

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).
 After a warning is issued the Owner will block off the entrance/exits to the site. Once the area is free of customers the staff will meet at the "Muster Point" (See Drawing P-101), and await the arrival of Emergency Responders.

Communication with Emergency Response Authorities

Describe when and how the licence holder will give early warning to emergency response authorities (including a process to ensure that a call is placed to 911).
 Once an emergency situation is confirmed at the propane facility, the Owner will call 911 to ask for Fire and Police response. The Owner will not delay and will make a call to 9-1-1. He/She always carries a cell phone and also has access to a phone inside the C-Store office area.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
 The site is open so access to the site after hours is available to the Emergency Responders from the Township of Selwyn. If for some reason there is a need to gain access to the pumping equipment under the tank the Fire Responders can bolt cut the lock on the equipment enclosure if need be.

Describe how the licence holder will ensure continual flow of updated information to authorities.
 The Owner will be on site during operating hours. When Emergency Responders come to the site one of the Owners will meet with them and will identify himself/herself as the person who is responsible for the propane and will communicate directly with the Emergency Responders.

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

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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 type="checkbox"/>	<input checked="" 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>9000 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>9000 m</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

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 Gord Jopling, Fire Chief

28-04-2018

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Name of person completing this form (please print)

Jenny Wu

Official Title

Owner

Signature

Telephone No.

705.741.1219

Date (dd-mmm-yyyy)

18-04-2018



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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>14-11-2017</u>	Capacity of single largest propane storage vessel (USWG) <u>2000 USWG</u>
Tank setback coordinates. Indicate placement on the map.	
Front: <u>22.1 m</u>	Right side property line: <u>43.9m</u>
Rear: <u>41.1 m</u>	Left side property line: <u>58.6 m</u>
GPS coordinates of single largest vessel: <u>Lat44°19'39.41"N Long 78°26'29.90"W</u>	

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Name of person completing this form (please print) <u>Jenny Wu</u>	Official Title <u>Owner</u>
Signature 	Telephone No. <u>705.741.1219</u>
	Date (dd-mmm-yyyy) <u>18-04-2018</u>



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SECTION C: SUBMISSIONS (cont'd)

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

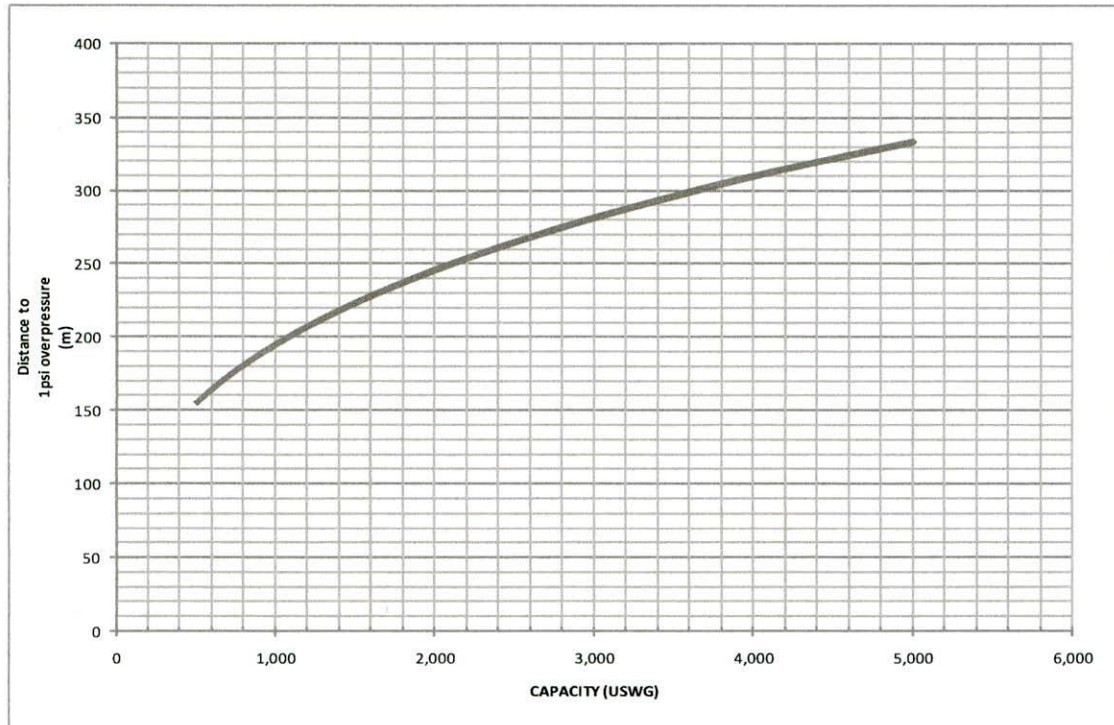
Table 1: Distance Table

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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 Fax: 416.231.4078
 Customer Service: 1.877.682.8772
 propane@tssa.org
 www.tssa.org

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

SECTION C: SUBMISSIONS (cont'd)

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

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

Table 2: Buildings and Features

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: <u>Unknown</u> Address: <u>Frank Hill Road</u> City: <u>Peterborough</u> Province <u>Ontario</u> Postal Code <u>K9J 6X3</u>		X			<u>71</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [Redacted]			X		<u>75</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Pizza Palace</u> Address: <u>18 Lindsay Road</u> City: <u>Peterborough</u> Province <u>Ontario</u> Postal Code <u>K9J 6X3</u>			X		<u>56</u> m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: <u>Bailey's Bay Resort Limited</u> Address: <u>78 Lindsay Road</u> City: <u>Peterborough</u> Province <u>Ontario</u> Postal Code <u>K9J 6X3</u>				X	<u>91</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>Jenny Wu</u>	Official Title <u>Owner</u>
Signature 	Telephone No. <u>705.741.1219</u>
	Date (dd-mmm-yyyy) <u>18-04-2018</u>



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
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WORKSHEET

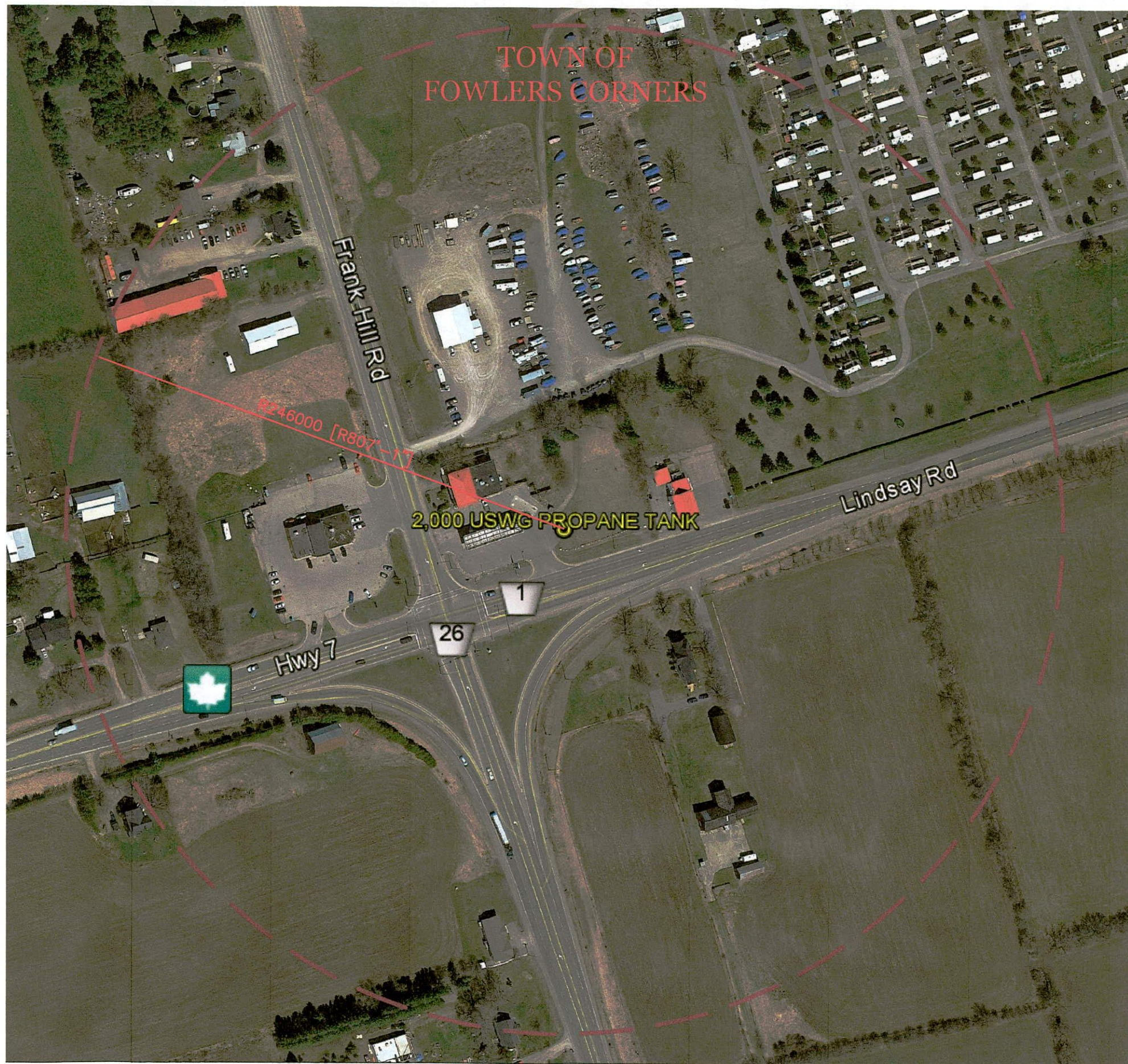
Portable Storage Additional Information Worksheet

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	139.2
# 10	2.9		
# 5	1.5		
Total Cylinder Capacity			139.2 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	139.2 USWG
Total Tank Capacity	0 USWG
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	0 USWG



TOWN OF FOWLERS CORNERS

Frank Hill Rd

Lindsay Rd

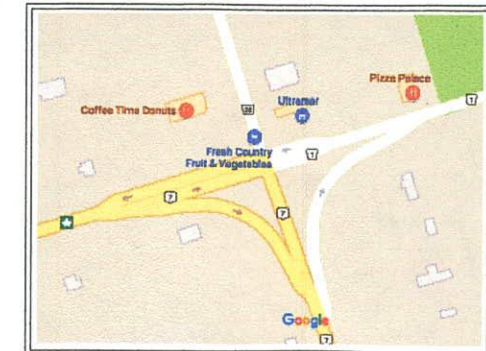
2,000 USWG PROPANE TANK

Hwy 7

26

1

R246000 [R807-17]



KEY PLAN
SCALE: N.T.S.

NOTES:

CONSEQUENCE DISTANCE TO AN OVERPRESSURE LEVEL OF 1 psf 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	41.1m
SOUTH	22.1m
EAST	43.9m
WEST	58.6m

GPS COORDINATES

LATITUDE	LONGITUDE
44°19'39.41"N	78°26'29.90"W

AS PER TSSA GUIDELINES FOR THE IMPLEMENTATION OF THE RISK AND SAFETY MANAGEMENT PLAN, THIS FACILITY ONLY REQUIRES A LEVEL 1 RSMP SUBMISSION.

PLANNING ADVISORY INFORMATION:

AS PER TSSA GUIDELINES THE FOLLOWING PLANNING ADVISORY INFORMATION IS PRESENTED BELOW:

TOWNSHIP OF SELWYN
1310 CENTRE LINE
SELWYN, ON.
K9J 6X5

ATTN: MS. JANICE LAVALLEY, CAO
PH#: 705.292.9507
FAX#: 705.292.6491
EMAIL: jivalley@nexicom.net

0	NOV.19, '17	ISSUED FOR RSMP APPROVAL	JRK
No.	Date	Description	By

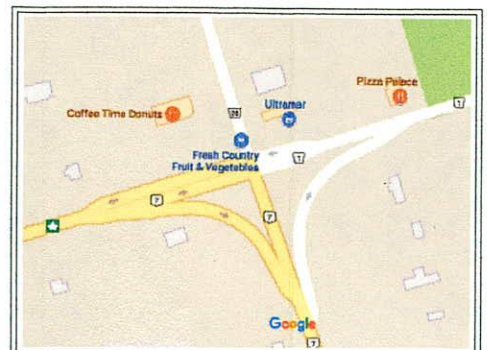
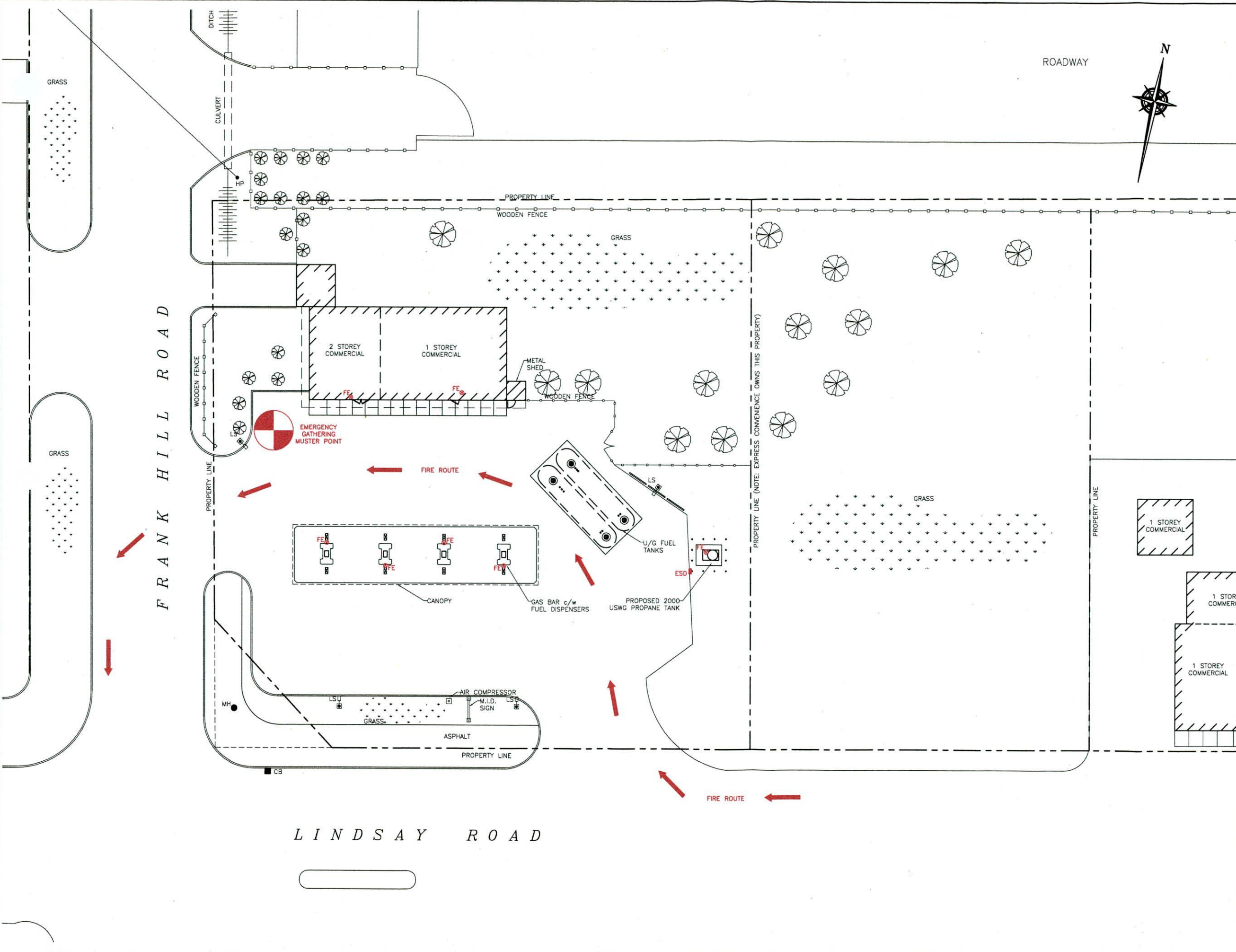
REVISIONS



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

Project: 2250361 Ontario Inc. (o/a Express Conv.) 6 Lindsay Road Fowlers Corner, ON KOL 2W0	Drawn By: D.F. Checked By: J.R.K. Date: NOV 14, '17
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Drawing Title: BLAST RADIUS FOR PROPOSED 2,000 USWG VERTICAL PROPANE TANK & RETAIL CYLINDER SCALE	Drawing Scale: 1:1000
Drawing Number: P-200	File Number: 17200D
ACAD INFORMATION	
Drawing File: 17200D-P-200	Drawing Size: D
Plotting Scale: 1=1	



KEY PLAN
SCALE: N.T.S.

SITE DATA:

ZONING INFORMATION:	LOCAL COMMERCIAL C2
LOT AREA:	4,010.0sq.m.
BUILDING AREA:	284.4sq.m.
LOT COVERAGE OF BUILDING:	7.0%

PROPERTY LINE SETBACKS FOR PROPANE TANK

NORTH	41.1m
SOUTH	22.1m
EAST	43.9m
WEST	58.6m

GPS COORDINATES

LATITUDE	LONGITUDE
44°19'39.41"N	78°26'29.90"W

LEGEND:

- FE ⊙ FIRE EXTINGUISHER
- FH ⊙ FIRE HYDRANT (DRY)
- ESD ⊙ EMERGENCY SHUT-DOWN
- ➔ FIRE ROUTE
- ⊙ MUSTER POINT (OPTION BASED ON WIND DIRECTION)

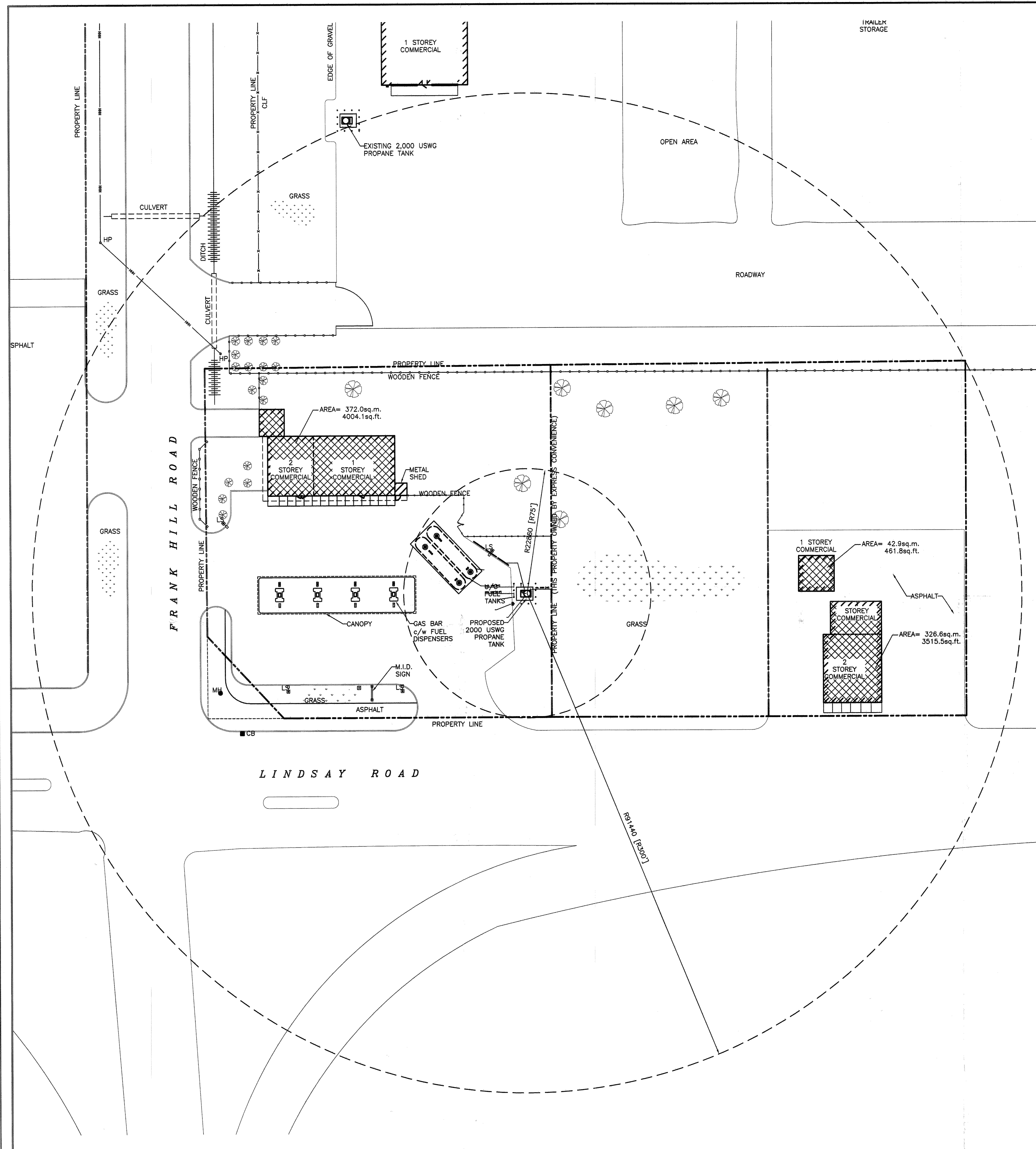
0	NOV 14, '17	ISSUED FOR RSMP APPROVAL	JRK
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REVISIONS



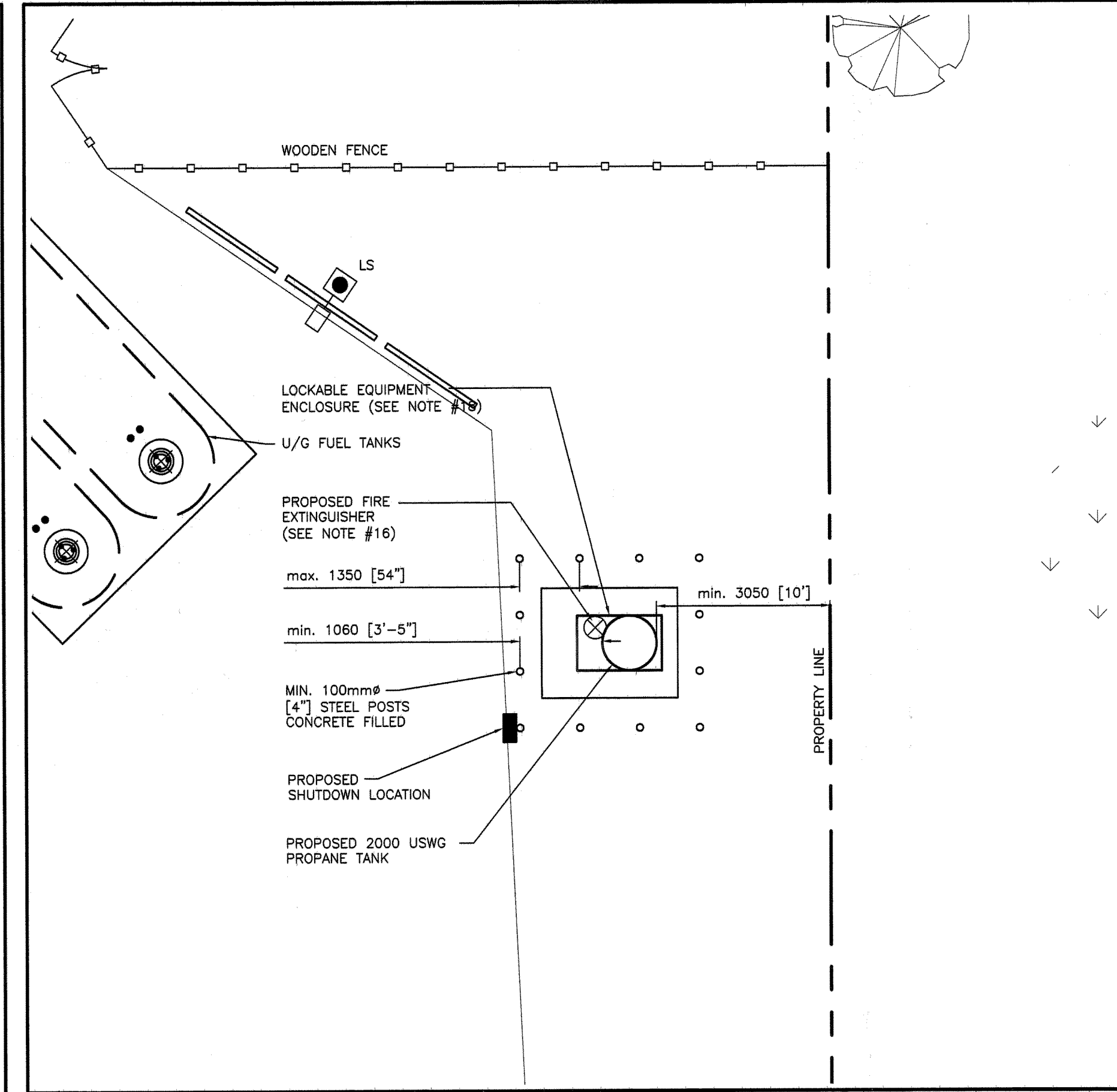
ALTENG Inc.
 Alternative Energy Consulting
 126 Halm Crescent, Thornhill, Ontario L3T 5J3
 Telephone: (905)764-1644 Fax: (905)764-5986

Project: 2250361 Ontario Inc. (o/a Express Conv.) 6 Lindsay Road, Box 8620 R.R. 2 Fowlers Corner, ON K9J 2X3	Drawn By: D.F. Checked By: J.R.K. Date: NOV 14, '17
Drawing Title: FIRE EMERGENCY PLAN FOR PROPOSED 2,000 USWG VERTICAL PROPANE TANK & RETAIL CYLINDER SCALE	Drawing Scale: 1:200
Drawing Number: P-101	File Number: 172000
	ACAD INFORMATION Drawing File: 172000-P-101 Drawing Size: D Plotting Scale: 1=1

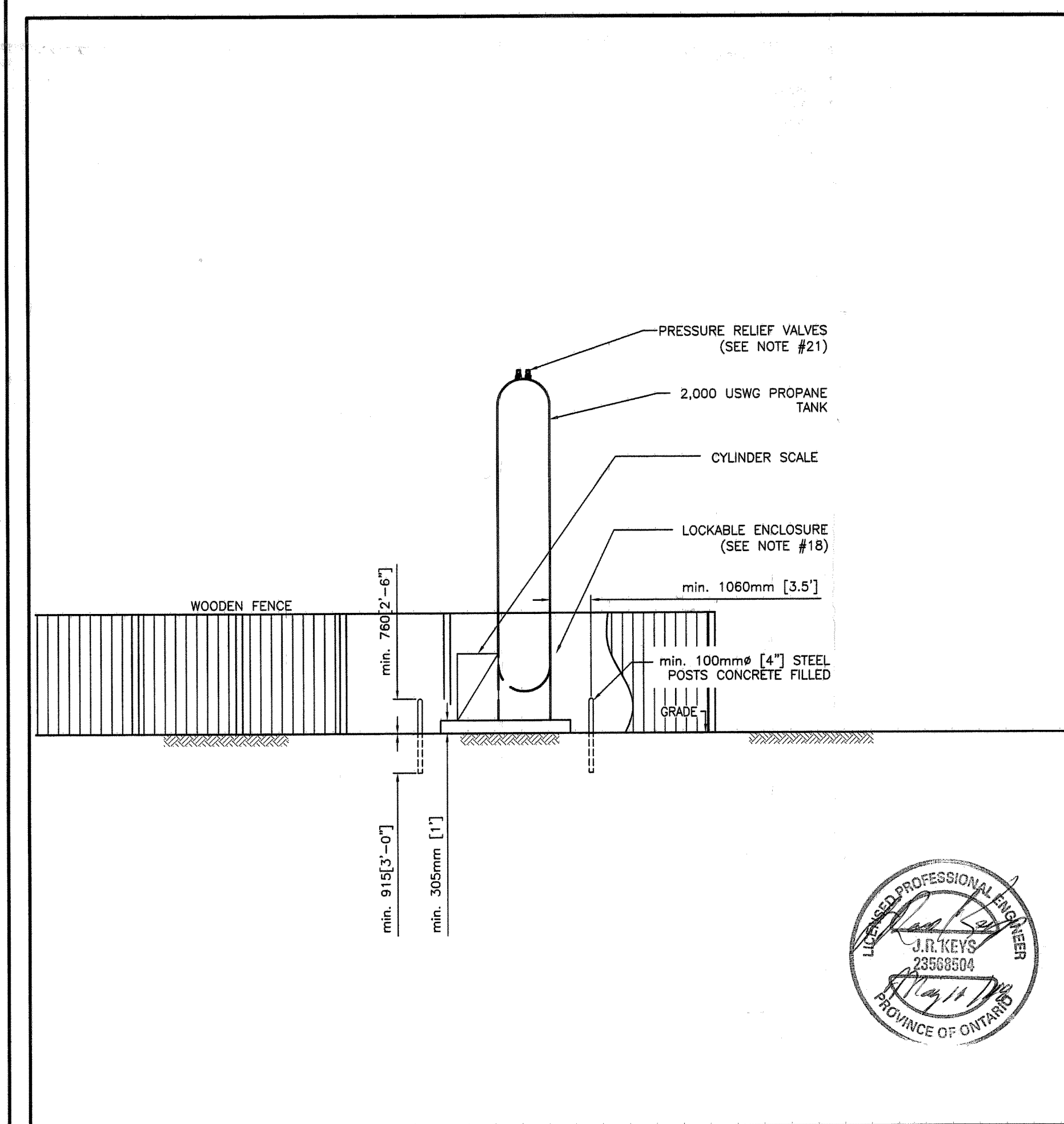


1 SITE PLAN
1:400

SITE PLAN
SCALE: 1:400



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



A DETAIL ELEVATION OF TANK
1:100

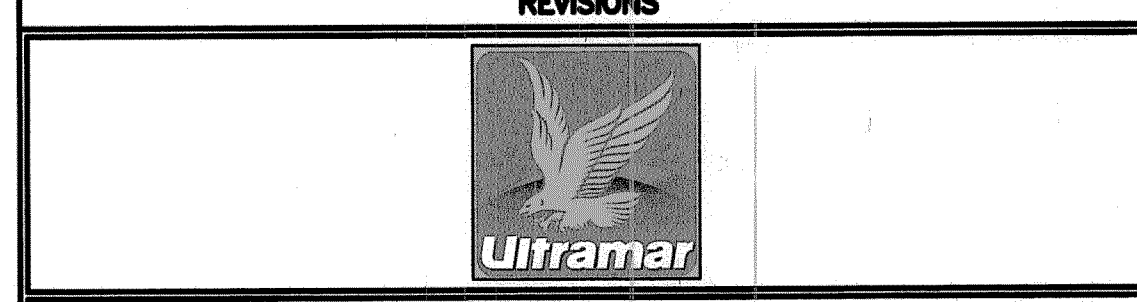
A DETAIL ELEVATION OF TANK
SCALE: 1:100

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 1,696.3sq.ft., WHICH IS LESS THAN THE 15,000sq.ft. RESTRICTION. FACILITY IS IN COMPLIANCE WITH BRANCH STANDARD #9.
- SITE IS IN COMPLIANCE WITH THE B149.1-15 & B149.2-15 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 OCTOBER, 2017 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 B149.2-15, 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 B149.2-15. 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 B149.2-15 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 (c) OR (b) OF B149.2-15.
- ANY UNDERGROUND PIPING MUST BE CATHODICALLY PROTECTED AS PER CLAUSE 7.8.3 OF B149.2-15.
- 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'	0.0
AREA C	INDUSTRIAL AREA BETWEEN 75' AND 300'	0.0
AREA D	NON-INDUSTRIAL AREA BETWEEN 75' AND 300'	7,981.4
AREA E	AREA A + (2 x AREA B)	0.0
AREA F	AREA C + (2 x AREA D)	15,962.9
A/G TANK AREA	AREA E + (0.1 x AREA F)	1,596.3

0	NOV 16, '17	ISSUED FOR RSMP APPROVAL	JRK
No.	Date	Description	By



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Telephone: (905)764-1644 Fax: (905)764-5986

Project: 2250381 Ontario Inc. (o/a Express Conv.) 6 Lindsey Road Selwyn, ON K8J 2X3	Drawn By: D.F. Checked By: J.R.K. Date: NOV 14, '17
Drawing Title: PROPOSED 2,000 USWG VERTICAL PROPANE TANK & RETAIL CYLINDER SCALE	Drawing Scale: 1:200
Drawing Number: P-100	File Number: 172000
	ACAD INFORMATION Drawing File: 172000-P-100 Drawing Size: D Plotting Scale: 1=1

SR 2318056