



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

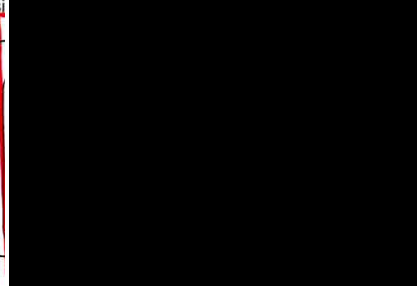
**Failure to fully complete this form may result in rejection.
 Making a false statement may result in a fine or prosecution
 under the *Technical Standards and Safety Act***

Licence Number

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.

Company Name: **A** 1545124 Ontario Inc. Corporation No. 1545124

Operator Name (if different from above):

Telephone No. 613-584-2851 Fax No. N/A E-mail civilcanadian@yahoo.ca

B Street No. 33311 Street Name / 911 Number / Address, if applicable Highway 17

Town / City or Township / County Deep River Province Ontario Postal Code K0J 1P0

Mailing address if different from above.

C Street No. 182 Street Name / 911 Number / Address, if applicable Main Street North

Town / City or Township / County Alexandria Province Ontario Postal Code K0C 1A0

Information on Container Refill Centre or Filling Plant

Location of facility:

D Street No. 33311 Street Name / 911 Number / Address, if applicable Highway 17 Nearest Major Intersection Highway 17 & Ridge Street

Town / City or Township / County Deep River Province Ontario Postal Code K0J 1P0

Name of Licence Holder: 1545124 Ontario Inc.

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Imran Bajwa ROT type PTI 100-01 & PTI 100-08

Municipality (or municipalities if the facility or its hazard distance touches multiple borders): Town of Deep River

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: 1545124 Ontario Inc.		
Name of Senior Management person as defined in the Regulation holding the Record of Training: Imran Bajwa		31-04-2017



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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. _____


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

	PSIG	Serial Number
Tank1:	250	TBD
Tank2:	_____	_____
Tank3:	_____	_____

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: 1000 USWG (1) tank Portable: 145 USWG (25) 20lb cyl Mobile: 0 USWG

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Name of person completing this form (please print) Imran Bajwa	Official Title President	
Signature 	Telephone No. 613-584-2851	Date (dd-mmm-yyyy) <u>01-04-2017</u>



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information


Name of Propane Supplier(s) P38 Energy Inc.			For Office Use - Party No.		
Street No. 683	Street Name / 911 Number / Address, if applicable Larocque Road				
Town / City or Township / Country Valleyfield			Province Quebec	Postal Code J6T 4E1	
Telephone No. 450-373-4333	Fax No. 450-373-3336	Contact Name Guy Marchand			
E-mail guy@budgetpropane.com					

Name of Propane Transporter. If same as above, please check box. <input checked="" type="checkbox"/>			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			
E-mail					

Off-site Cylinder and/or Mobile Storage		Capacity stored off-site, in USWG	For Office Use - Party No.		
None					
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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Signature 		Telephone No. 613-584-2851	Date (dd-mmm-yyyy) 01-07-2017



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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.

45400L maximum capacity stored underground, regular gasoline, 53 feet from the propane tank area.

22700 maximum capacity stored underground, super gasoline, 53 feet from the propane tank area.

22700 maximum capacity stored underground, diesel fuel, 53 feet from the propane tank area.

Typical convenience store items stored inside shop for sale purposes (ie. aerosol cans, detergents and other flammable fluids).

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

Emergency shut-off buttons located at both the exterior of the building on wall nearest canopy, and at the propane dispenser.

Two fire extinguishers accessible at the gas dispensers under the canopy, one fire extinguisher located at the propane dispenser area.

The nearest fire hydrant is located off Highway 17 to the north of the dispenser approximately 60 feet away.

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.

Internal Safety Control (ISC) valve is equipped with nitrogen charged actuator. Normally closed solenoid valves on automotive fill meter.

Fusible link on each end of actuator holding open ISC valve causes liquid outlet to automatically close in event of fire.

Polyethylene hose used to carry pneumatic pressure to ISC actuators will melt in case of a fire.

Power supply breaker inside gas bar building cuts power to propane system.

Maintenance and testing schedule for fire protection controls and devices.


Maintenance and testing is undertaken by P38 Energy according to their maintenance standards.

Dispenser fire extinguishers are inspected by outside company annually and inspected in-house monthly.

Comprehensive dispenser inspection conducted annually by G2-LP certificate holder or higher.

Facility inspection by TSSA completed as required.

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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 Imran Bajwa	For Office Use - Party No.	Name Imran Bajwa	For Office Use - Party No.
Official Title President		Official Title President	
Telephone No. 705-740-7925	Fax No.	Cell No. 705-740-7925	Fax No.
E-mail civilcanadian@yahoo.ca		E-mail civilcanadian@yahoo.ca	
Role and responsibilities in emergency Site liaison for enacting internal and external emergency procedures Communication with emergency responders, supplier, and subcontractors		Role and responsibilities in emergency Site liaison for enacting internal and external emergency procedures Communication with emergency responders, supplier, and subcontractors	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Kulbir Kang	For Office Use - Party No.	Name Imran Bajwa	For Office Use - Party No.
Official Title Manager		Official Title President	
Telephone No. 613-584-2851	Fax No.	Telephone No. 613-584-2851	Fax No.
E-mail kulbirkang@yahoo.com		E-mail civilcanadian@yahoo.ca	
Role and responsibilities in emergency Same as Key Contact and/or Facility 24 Hr Contact if other not available		Role and responsibilities in emergency Site liaison for enacting internal and external emergency procedures Communication with emergency responders, supplier, and subcontractors	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Rob Shaw	For Office Use - Party No.	Name Guy Marchand	For Office Use - Party No.
Official Title Fire Chief	E-mail rshaw@deepriver.ca	Official Title President	E-mail guy@budgetpropane.com
Telephone No. 613-584-2000 ext 123	Fax No.	Telephone No. 450-373-4333	Fax No. 450-373-3336
Role and responsibilities in emergency Respond to fire emergencies Provide guidance on fire safety, emergency response and preparedness		Role and responsibilities in emergency Technical assistance; dispatch of service technician and specialized equipment Activate Emergency Response Assistance Plan by ERAC	
Fire Services Address 100 Deep River Road, Deep River, Ontario, K0J 1P0		Propane Supplier Address 683 Larocque Rd, Valleyfield, Quebec	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Robert Labre	For Office Use - Party No.	Name Robert Labre	For Office Use - Party No.
Official Title Chief Building Official	E-mail rlabre@deepriver.ca	Official Title Chief Building Official	
Telephone No. 613-584-2000 ext 106	Fax No.	Telephone No. 613-584-2000 ext 106	Fax No.
Role and responsibilities in emergency Respond to fire emergencies Provide guidance on fire safety, emergency response and preparedness		E-mail rlabre@deepriver.ca	
Fire Services Address 100 Deep River Road, Deep River, Ontario, K0J 1P0		Municipality Name and Address 100 Deep River Road, Deep River, Ontario, K0J 1P0	

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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 Internal Safety Control valve is pneumatically actuated with nitrogen, additional protection provided with fusible links.
- Bollards protect dispensing system from vehicular impact.
- Hose equipped with a pull-away connector to allow for breakaway of hose preventing damage to piping in the event of a pull-away.

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

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

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

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

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

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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) TBD	Print Name of Training Provider: P38 Energy Inc.
	Print Name of Instructor: Guy Marchand and Terry Wright
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) TBD	Print Name of Training Provider: P38 Energy Inc.
	Print Name of Instructor: Guy Marchand and Terry Wright
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) TBD	Print Name of Training Provider: P38 Energy Inc.
	Print Name of Instructor: Guy Marchand and Terry Wright
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).
 In the event of fire/significant propane leak the operator will activate closest Emergency Stop.

The operator or alternative will contact emergency services by calling 911 and will provide warnings outlined in the attached emergency response procedures.

The owner will contact P38 Energy as indicated in the emergency response procedures, who will activate ERAP, if required.

Fire Services will oversee public notification and/or evacuation.

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).
 Following activation of an Emergency Stop, the operator will notify any persons on site to evacuate, and then call 911.

All employees and visitors/customers will immediately vacate the building and premises to the muster point to the Northeast of the property near Highway 17.

They will await direction from emergency responders from there.

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).
 All employees are instructed to and authorized to activate emergency response authorities by calling 911 upon occurrence of a fire and/or significant leak.

Alerting the emergency responders is part of staff training and part of the emergency response procedures.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
 Propane facility is accessible at all times; not fenced. The property is easily accessible from Highway 17.

Describe how the licence holder will ensure continual flow of updated information to authorities.
 The critical information required from a licence holder are how to shut down the system and the fill level of the tank. Fill level is relevant to time-to-BLEVE.

In an emergency situation, the operator will meet the fire department and provide them with this information.

Fire Services are formally invited for a full site review on an annual basis with supplementary site access for training or orientation as requested.

Site specific emergency procedures are reviewed annually with all employees.

How long will it take the facility liaison person to respond to the site.
 Approximately 6 minutes after receiving the emergency call.

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

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

6. Building and Site Security and Procedures

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

7. Water Supply

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

	Yes	No
1. Is a pressurized water system available at the propane facility site?	<input 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)	18 m	
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? (distance in metres only)	N/A	

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

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

B. 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:

is clearance distance from tank to Highway 17 sufficient? ±50' 15m

To be completed by the Licence Holder

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

MTO Permit was obtained in response to Fire chief's comments. copy of MTO is enclosed.

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

(dd-mmm-yyyy)

LOCAL FIRE SERVICES

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

Local Fire Services Name	Print name <i>Deep River Fire Dept</i>	Signature <i>[Signature]</i> <i>Deputy Fire Chief.</i>	Date (dd-mmm-yyyy) <i>17/05/2017</i>
--------------------------	-------------------------------------------	--------------------------------------------------------------	-----------------------------------------

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Name of person completing this form (please print) IMRAN BAJWA	Official Title PRESIDENT	Telephone No. 6135842851	Date (dd-mmm-yyyy) 23-04-2017
Signature <i>[Signature]</i>			



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SECTION C: SUBMISSIONS

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

Facility Site Plan.

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

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

Map of Surrounding Area.

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

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

Required Mapping Information from Updated Site Plan

Date map prepared (dd-mmm-yyyy) 12-07-2017	Capacity of single largest propane storage vessel (USWG) 1000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 15.2m (49.9')	Right side property line: 54.4m (178.5')
Rear: 48.2m (158.1')	Left side property line: 3.1m (10.2')
GPS coordinates of single largest vessel: 46° 06' 04.67" N; 77° 30' 08.50" W	

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SECTION C: SUBMISSIONS (cont'd)

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

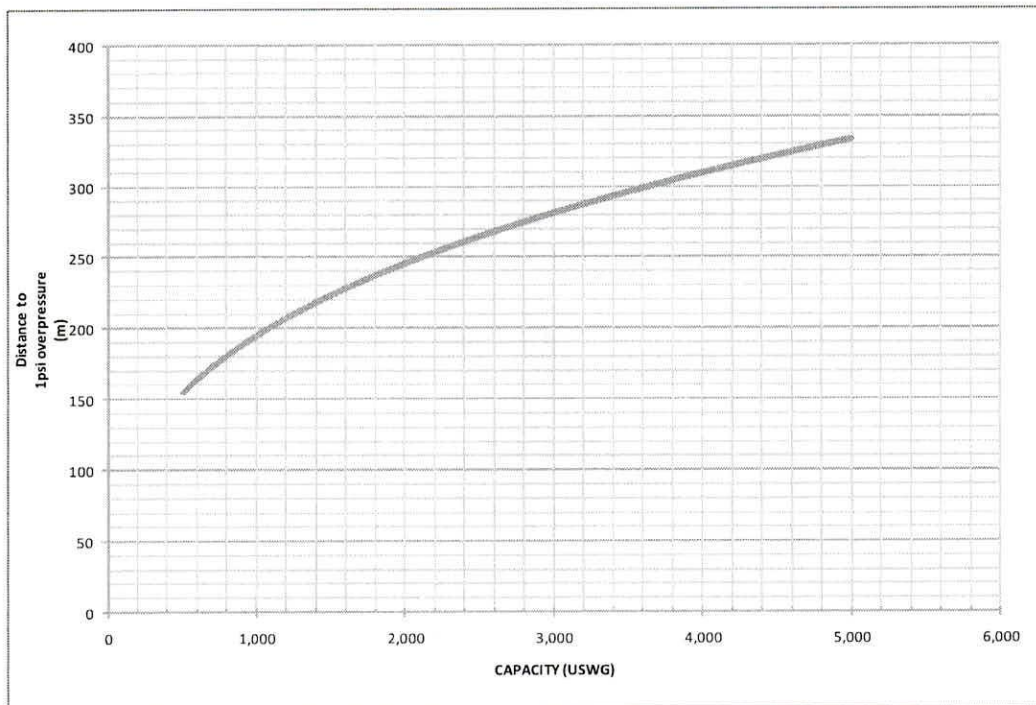
Table 1: Distance Table

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)





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
 propaneLICensing@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: Home Hardware Warehouse Address: 33327 Highway 17 City: Deep River Province Ontario Postal Code K0J 1P0			X		44 m
[REDACTED]				X	95 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: Home Hardware Address: 33327 Highway 17 City: Deep River Province Ontario Postal Code K0J 1P0			X		16 m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ 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) Imran Bajwa	Official Title President	Date (dd-mmm-yyyy) 01-07-2017
Signature 	Telephone No. 613-584-2851	



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WORKSHEET

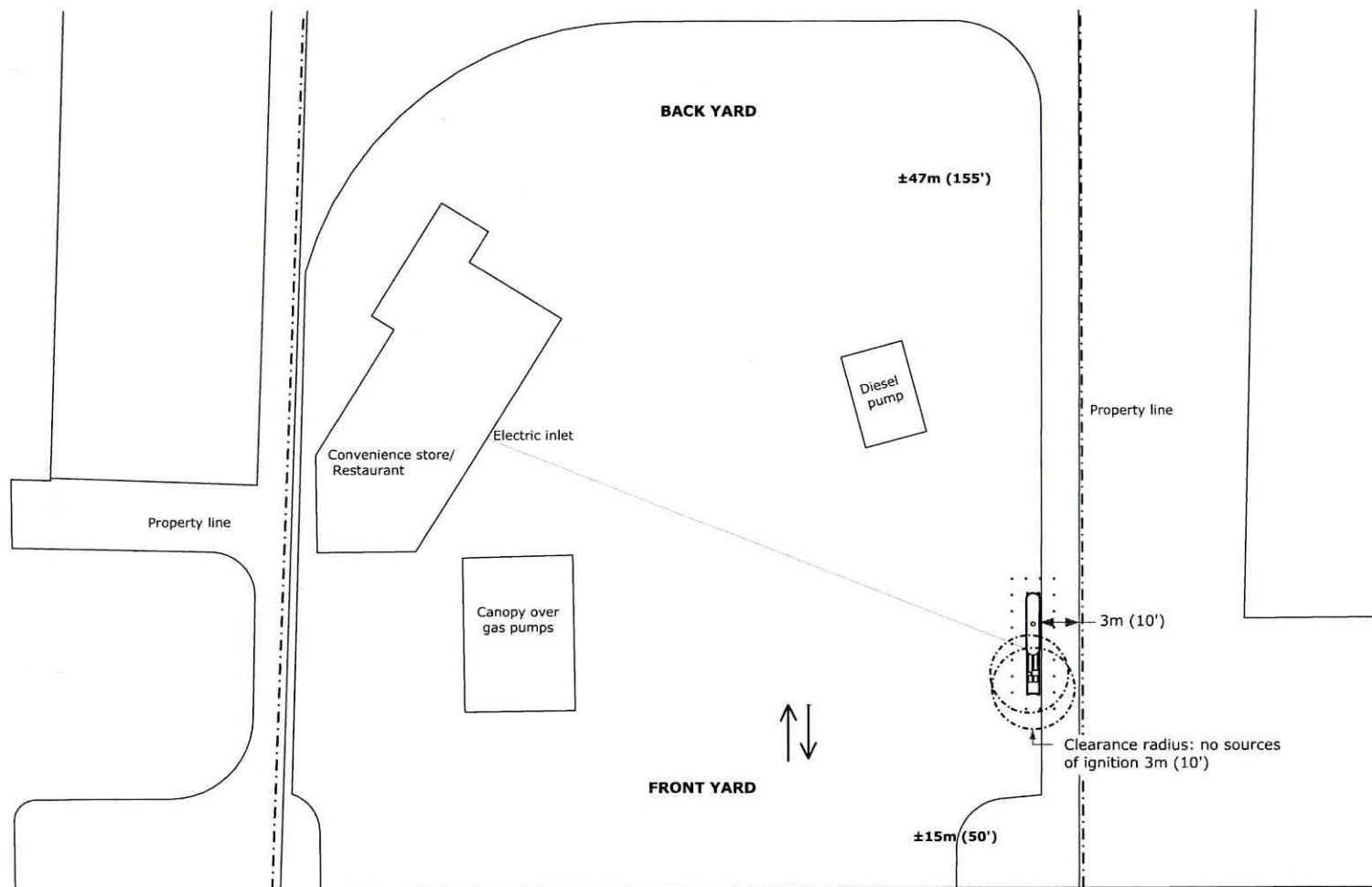
Portable Storage Additional Information Worksheet

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	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



REGULATION (Propane storage and handling code - CAN/CSA B-149.2-15)

- Minimum distance between tank and property line : 3m (10') - Clause 7.19.1.1
- Protection against vehicular traffic- Clause 7.19.4.1
- Signs to be installed: (using the international symbols)
 1. No smoking and ignition off- Clause 7.20.6
 2. No smoking - Turn off all sources of ignition- Clause 7.12.10
 3. It is an offence to fill propane cylinders and motor fuel containers in excess of 80% capacity by volume - Clause 7.12.11
- Minimum distance between tank and building openings, windows, or building wall other than concrete and masonry 7,5m (25') - Clauses 7.16 et 7.19.1.1
- Fire extinguisher (CSA B149.2-15 Clause: 7.19.1.6)
- Emergency stop button - Clause 7.19.1.7

LIST OF EQUIPMENT

- 1 000 USWG tank (3785 liters)
- Ventilated cabinet (Pacman)
- Scale, hose and filling gun
- Purging system
- Motor and pump
- Vehicle fuel dispenser (Accu-BMS)

ELECTRICAL REQUIREMENTS

- 3 phases - 240V - 5 threads
- or
- 1 phase - 208V
- 110V (CardLock and pump)

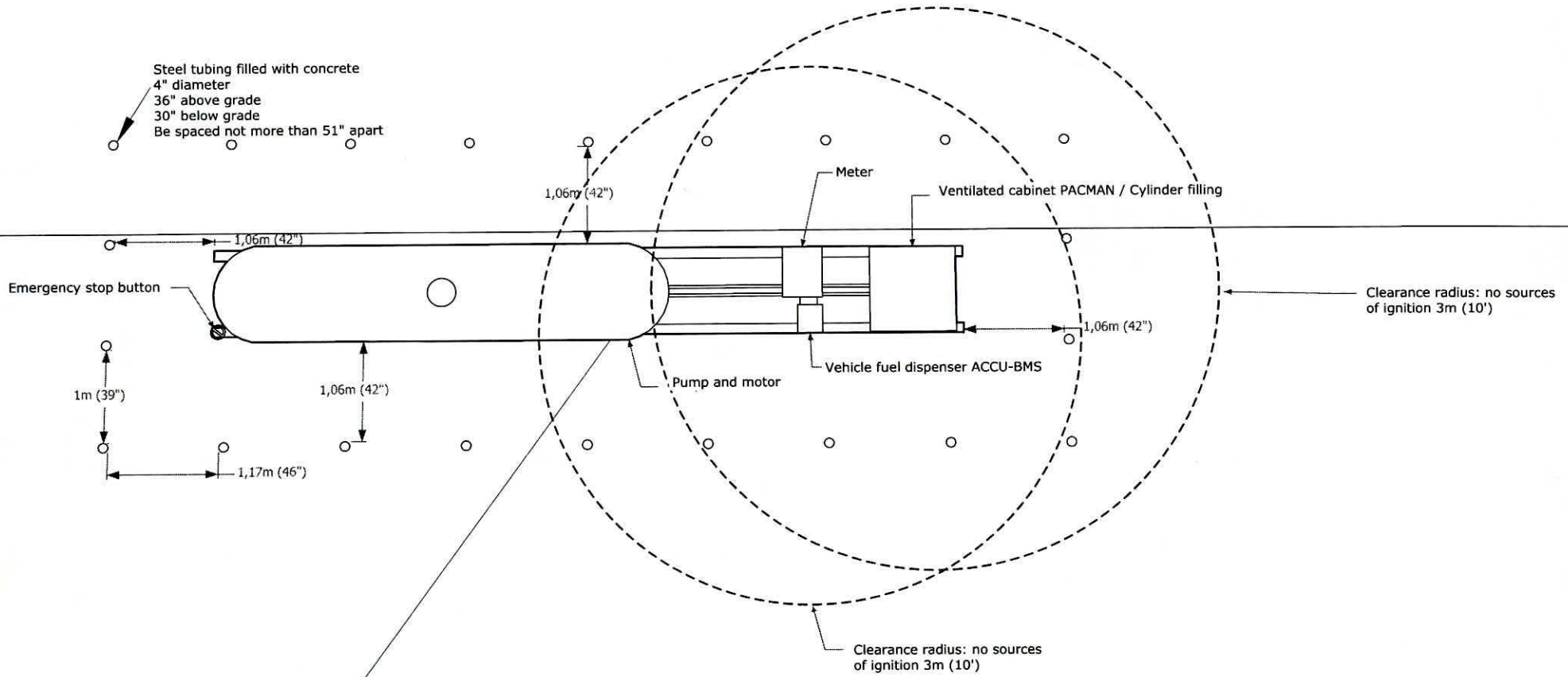
-OPTION: Lighting

Project: Petro-Canada Deep River
 33311 HWY 17,
 Deep River, ON
 K0J 1P0

Document prepared by P38 Energy
 December 6th 2016



Steel tubing filled with concrete
4" diameter
36" above grade
30" below grade
Be spaced not more than 51" apart



Emergency stop button

1,06m (42")

1,06m (42")

Meter

Ventilated cabinet PACMAN / Cylinder filling

Clearance radius: no sources of ignition 3m (10')

1,06m (42")

Pump and motor

Vehicle fuel dispenser ACCU-BMS

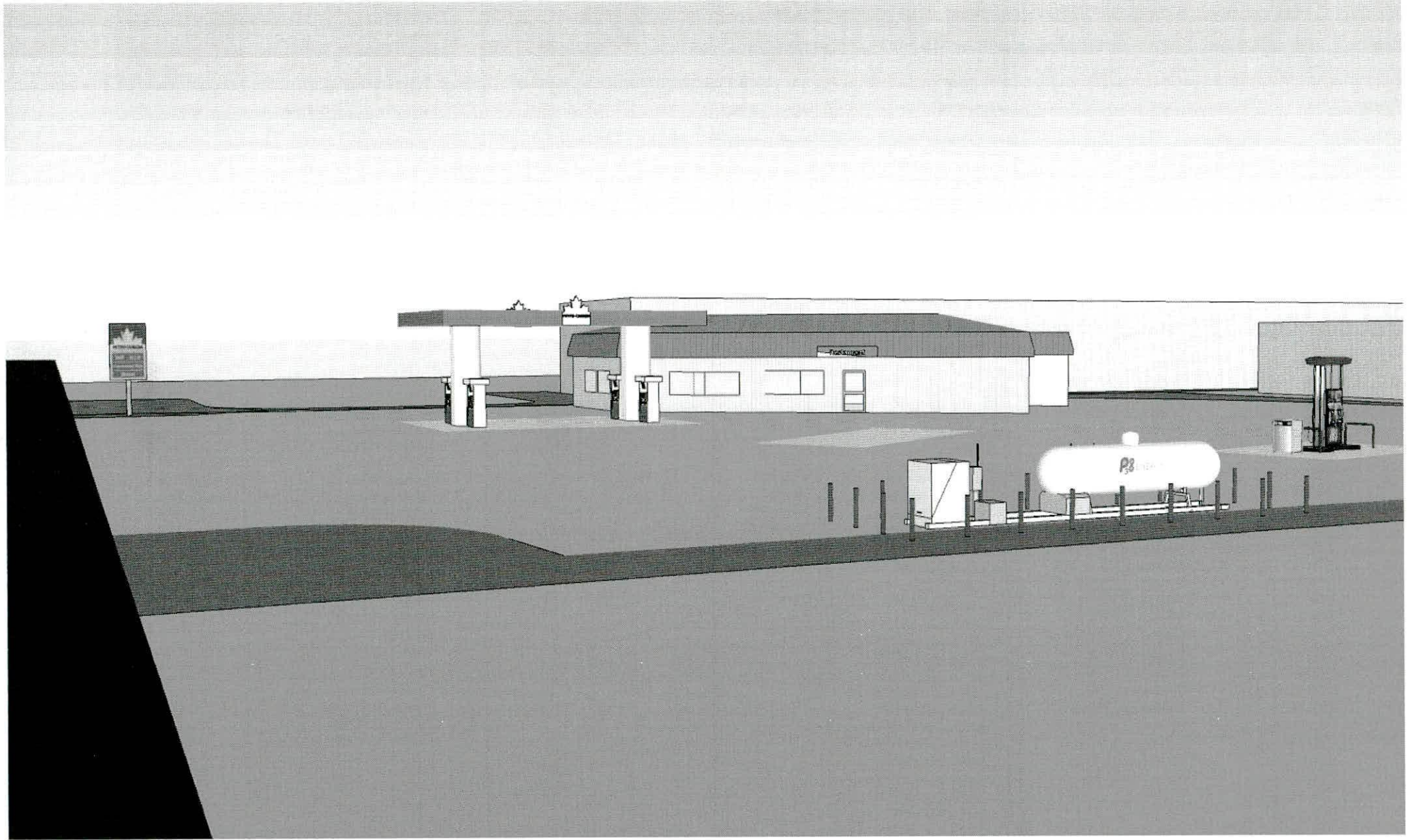
1m (39")

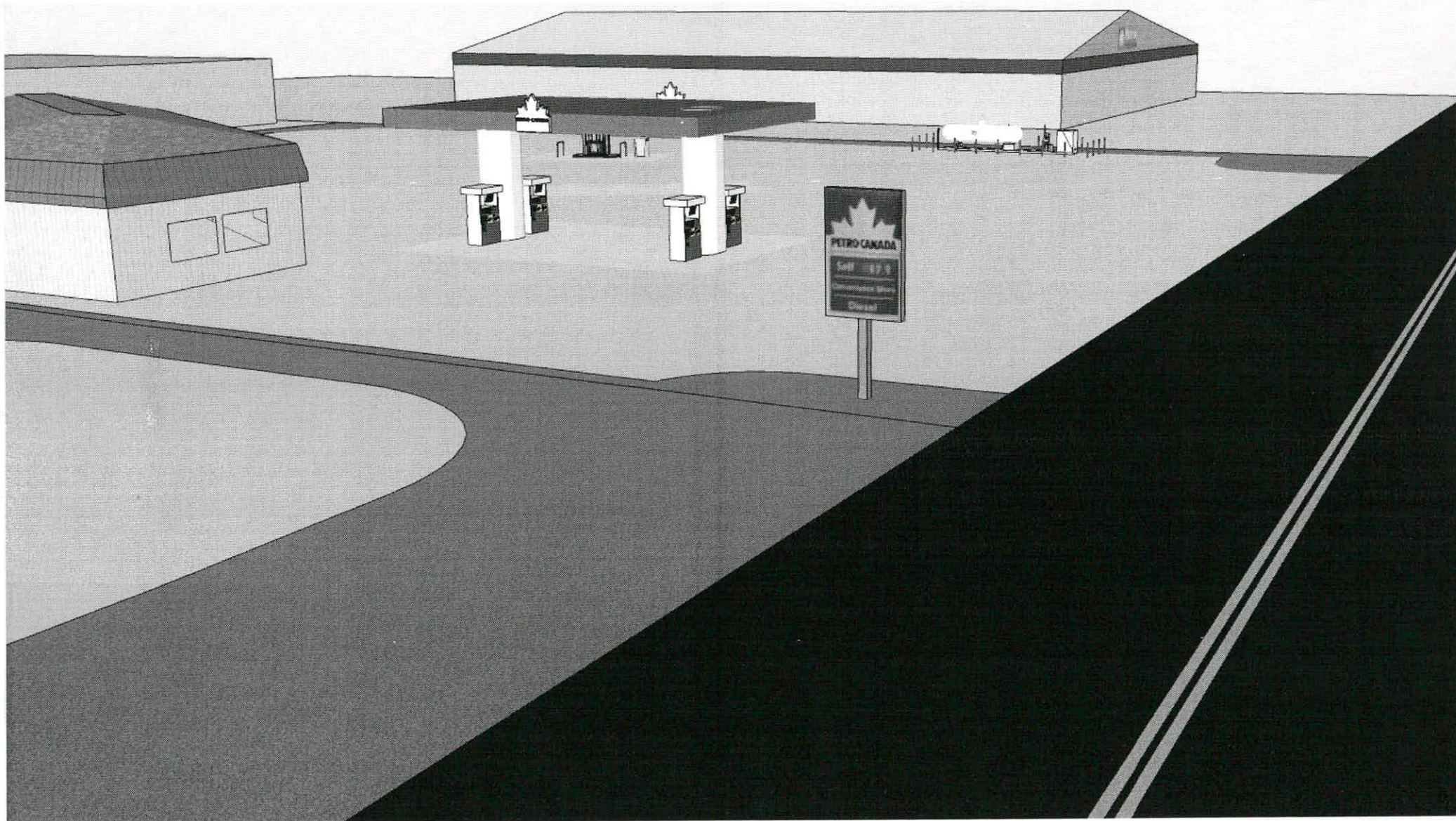
1,06m (42")

1,17m (46")

Clearance radius: no sources of ignition 3m (10')

Underground electrical line
-3 phases - 240V - 5 threads
ou
-1 phase - 208V
-110V (CardLock and pump)







LOCATION
 33311 HIGHWAY 17,
 DEEP RIVER, ONTARIO, K0J 1P0

PROPANE BRANCH STANDARD 9

Area A: All industrial occupancy buildings within 75' [22.9m] of a tank.

Area B: All buildings, other than industrial occupancy buildings within 75' [22.9m] of a tank.

Area C: All industrial occupancy buildings within an area bounded 75' [22.9m] and 300' [91.4m] of a tank.

Area D: All buildings, other than industrial occupancy buildings within an area bounded 75' [22.9m] and 300' [91.4m] of a tank.

Area E = Area A + 2 * Area B
Area F = Area C + 2 * Area D

ABOVEGROUND TANK

*NO PART OF A SCHOOL BUILDING WITH 300' OF THE TANK.

*NO PART OF A RESIDENTIAL OCCUPANCY BUILDING WITHIN 25' OF THE TANK.

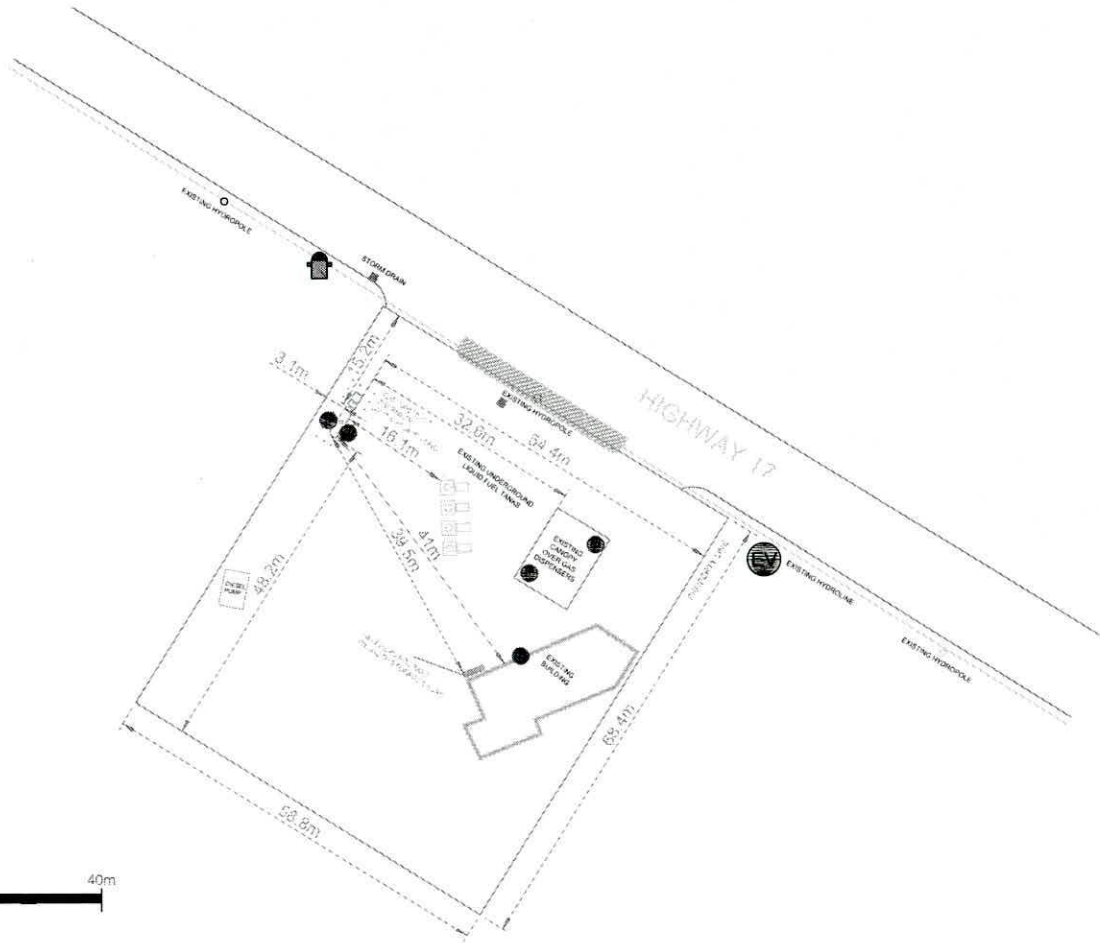
- AREA A = 0 ft²
- AREA B = 702 ft²
- AREA C = 32,312 ft²
- AREA D = 13,397 ft²
- AREA E = 1,404 ft²
- AREA F = 59,106 ft²

AREA E + 0.1 * AREA F = 7,314.6 ft²
 MUST BE LESS THAN 15,000 ft²

Seal	Client

SLEEGERS SLEEGERS ENGINEERED PRODUCTS INC.
2500 RIVER ROAD, DEER PARK, ONTARIO L3R 9V7, PHONE: 519-263-7444, FAX: 519-263-8282

							Drawn By	KC	Date	30/06/2017	Title P38 DEEP RIVER BRANCH 9 DRAWING			
							Checked By	JTP	Scale	AS SHOWN				
							Approved By	AB	Plot Size	ANSI B	Project No	P38-JRS17015	Sheet	1 of 1
DRAWING No	REFERENCE	REV	DATE	REVISION	DRAWN	CHECK	APPROVED	Client Project	DEEP RIVER	Drawing No	P38-DDR-B9-01	Rev	B	



FACILITY ADDRESS:
33311 HIGHWAY 17,
DEEP RIVER ONTARIO K0J1P0

AREA:
LOT: 4,021.9m²
EXISTING BUILDING: 251.9m²

PROPANE STORAGE
- [1] 1000 USWG TANK AT 80%
- [25] 20 LBS PORTABLE CYLINDER STORAGE

BOLLARDS
- MAX. SPACING: 54"
- MIN. BURIAL DEPTH: 36" BELOW GRADE AND
EXTEND MIN. 30" ABOVE GRAVE
- SPACED AT LEAST 42" FROM TANK

CLEARANCES
- 10' [3m] MIN. FROM THE PROPERTY LINES,
CONCRETE/MASONRY BUILDING WALLS, OR
SOURCES OF IGNITION
- 25' [7.6m] MIN. FROM BUILDING OPENINGS AND
WINDOWS
- 25' [7.6m] MIN. FROM ANY DRAIN, SEWER, OR PIT
- 25' [7.6m] MIN. FROM RAIL LINE

SETBACKS TO PROPERTY LINE
NORTH: 15.2m [49.9']
EAST: 54.4m [178.5']
SOUTH: 48.2m [158.1']
WEST: 3.1m [10.2']

LEGEND

- EMERGENCY STOP
- FIRE EXTINGUISHER
- FIRE HYDRANT
- EVACUATION POINT

Seal	Client

SLEEGERS SLEEGERS ENGINEERED PRODUCTS INC.
10000 Hwy. 100, Deep River, Ontario K0J1P0 Phone: 519-273-2824 Fax: 519-273-2825

				Drawn By	KC	Date	30/06/2017	Title		P38 DEEP RIVER DISPENSER SITE PLAN	
				Checked By	JTP	Scale	AS SHOWN	Project No		P38-JRS17015	
				Approved By	AB	Plot Size	ANSI B	Drawing No		P38-DDR-SP-01	
				Client Project	DEEP RIVER				Sheet		1 of 1
DRAWING No	REFERENCE	REV	DATE	REVISION	DRAWN	CHECK	APPROVED			Rev	
		B	17/07/2017	UPDTAED PER CLIENTS COMMENTS	KC	JTP	AB			B	
		A	30/06/2017	INITIAL RELEASE FOR CLIENT APPROVAL	KC	JTP	AB				

