



**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 000161148

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.

**For Office Use Only**



**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 2213816 Ontario Ltd. Corporation No. 2213816

Operator Name (if different from above)  
o/a Grafton Gas & Service

Telephone No. 905-349-3059 Fax No. 905-349-3059 E-mail graftonesso@gmail.com

**B** Street No. 10843 Street Name / 911 Number / Address, if applicable County Road 2

Town / City or Township / County Grafton Province Ontario Postal Code K0K 2G0

**C** Mailing address if different from above.

Street No. 10843 Street Name / 911 Number / Address, if applicable County Road 2

Town / City or Township / County Grafton Province Ontario Postal Code K0K 2G0

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

**D** Location of facility.


Street No. 10843 Street Name / 911 Number / Address, if applicable County Road 2 Nearest Major Intersection Aird Street & County Road 2

Town / City or Township / County Grafton Province Ontario Postal Code K0K 2G0

Name of Licence Holder Ramanveer Kaur Nijjar

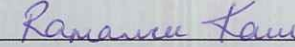
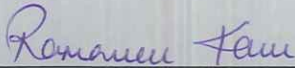
Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT). Ramanveer Kaur Nijjar ROT type 1PTI 100-8 (PPO-3)

Municipality (or municipalities if the facility or its hazard distance touches multiple borders)  
Alnwick Haldimand

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>Ramanveer Kaur Nijjar</u>		16-11-2015
Name of Senior Management person as defined in the Regulation holding the Record of Training <u>Ramanveer Kaur Nijjar</u>		16-11-2015



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

Indicate the year the facility was established. 2010      Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. 2015 (Add auto propane dispenser)

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

	PSIG	Serial Number
Tank 1:	<u>250</u>	<u>9080-7483-3</u>
Tank 2:	_____	_____
Tank 3:	_____	_____

Enter capacity of propane in USWG, fixed, portable, and mobile, and provide detailed inventory that includes the number of tank/vessel for each type (fixed, portable, and mobile) and the capacity of each tank/vessel, on a separate document.

Fixed: 1000 USWG      Portable: 346.8 USWG      Mobile: 0 USWG

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Name of person completing this form (please print) <u>Ramanveer Kaur Nijjar</u>		Official Title <u>President</u>
Signature <u>Ramanveer Kaur</u>		Telephone No. <u>905-349-3059</u>
		Date (dd-mmm-yyyy) <u>16-11-2015</u>



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

Activity Information

Name of Propane Supplier(s) Superior Propane - Ontario Regional OP Centre		For Office Use - Party No. [REDACTED]	
Street No. 251	Street Name / 911 Number / Address, if applicable Woodlawn Road West Unit 217		
Town / City or Township / Country Guelph		Province Ontario	Postal Code N1H 8J1
Telephone No. 1-877-873-7467	Fax No. 519-836-7766	Contact Name Ken Gillis	
E-mail gillisk@superiorpropane.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.	
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) Ramanveer Kaur Nijjar	Official Title President
Signature <i>Ramanveer Kaur</i>	Telephone No. 905-349-3059
	Date (dd-mmm-yyyy) 16-11-2015



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**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN**

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

Description of the maximum volume, types and storage location of other hazardous materials on site, if any.

The facility is an operating Gas Station & Convenience Store. There are no major hazardous materials on site that are associated with this operation.

The site has cylinder cages holding up to 20lb cylinders.

dispenser. The Facility also has underground gasoline tanks. Tank three Gasoline and <sup>two</sup> ~~one~~ Diesel with total capacity of 92,736 litres

All underground tanks are fiberglass double walled protected.

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

The facility is equipped with fire extinguishers. There are 2 located at the gasoline islands, 1 in the convenience store and one at the propane tank.

There is a remote Emergency Shut down (ESD) located at the cylinder filling cabinet. The ESD kills power to the propane and stops the motor and closes the fuel supply solenoid valve to prevent product flow. The site has security cameras that are monitored 24/7.

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 propane tank is equipped with a fusible link connected to a chain that will melt at 212 degrees F which will break the chain and the spring loaded ISC valve will close automatically shutting off the propane suction to the pump. There are 2 Emergency Shut Down (ESD) located at the cylinder filling cabinet and in store. The ESD kills power to the propane and stops the motor and closes the fuel supply solenoid valve to prevent product flow.

There is an 3 phase power supply breaker in the Gas Bar

Maintenance and testing schedule for fire protection controls and devices.

The fire extinguishers are checked monthly and retested annually for proper operation. The propane equipment and ESD is inspected annually by a TSSA registered contractor and also by Superior Propane Copies of Inspection reports are keep on site.

Site tests ESD system every month and the pump is inspected every 3 months and PRV's every 2 years

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Signature <i>Ramanveer Kaur</i>	Telephone No. 905-349-3059	Date (dd-mmm-yyyy) 16-11-2015



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

1. Contacts for Emergency Response

<b>1. Facility Contact Personnel - Key Contact</b>				<b>5. Facility 24-Hour Contact Person</b>			
Name Ramanveer Kaur Nijjar		For Office Use - Party No.		Name Ramanveer Kaur Nijjar		For Office Use - Party No.	
Official Title President				Official Title President			
Telephone No. 905-349-3059		Fax No. 905-349-3059		Cell No. 289-251-6786		Fax No. 905-349-3059	
E-mail graftonesso@gmail.com				E-mail graftonesso@gmail.com			
Role and responsibilities in emergency Will ensure all employees are trained to work with propane and enforces the site safety plan in response to emergencies. Will make 911 Call.				Role and responsibilities in emergency Same as Item 1			
<b>2. Facility Contact Personnel - Alternate Contact</b>				<b>6. Name of Facility Manager</b>			
Name Ramanveer Kaur Nijjar		For Office Use - Party No.		Name Ramanveer Kaur Nijjar		For Office Use - Party No.	
Official Title President				Official Title President			
Telephone No. 905-349-3059		Fax No. 905-349-3059		Telephone No. 905-349-3059		Fax No. 905-349-3059	
E-mail graftonesso@gmail.com				E-mail graftonesso@gmail.com			
Role and responsibilities in emergency Same as Item 1				Role and responsibilities in emergency Same as Item 1			
<b>3. Local Fire Services - Key Contact</b>				<b>7. Propane Supplier Key Contact Person</b>			
Name Dave Wright		For Office Use - Party No.		Name Mark Wakeford		For Office Use - Party No.	
Official Title Fire Chief		E-mail n/a		Official Title Manager Accounts		E-mail wakefordm@superiorpropane.com	
Telephone No. 905-375-7704		Fax No. 905-349-3496		Telephone No. 1-877-873-7467		Fax No. 705-745-3834	
Role and responsibilities in emergency Responsible for Fire Resources and operation and reports to Township of Alnwick/Haldimand on Fire Department business				Role and responsibilities in emergency Coordinates truck deliveries and would initiate the CPA Emergency Response Plan as required.			
Fire Services Address Fire Services 10836 County Road 2, Grafton, ON. K0K 2G0				Propane Supplier Address 6722 Highway 7A, Peterborough, Ontario K9J 6X5			
<b>4. Local Fire Services - Alternate Contact</b>				<b>8. Municipal Contact</b>			
Name Tanis Zwegers		For Office Use - Party No.		Name Terry J. Korotki		For Office Use - Party No.	
Official Title Fire Prevention Officer		E-mail n/a		Official Title Chief Administration Officer			
Telephone No. 905-352-2603		Fax No. 905-349-3496		Telephone No. 905-349-2622 Ext: 23		Fax No. 905-349-3259	
Role and responsibilities in emergency Fire Prevention coordinating site inspections and Reviews Fire Plans and RSMP's for the Township				E-mail tkortki@alnwickhaldimand.ca			
Fire Services Address Fire Services 10836 County Road 2, Grafton, ON. K0K 2G0				Municipality Name and Address Township of Alnwick-Haldimand 10836 County Rd.2, Grafton, ON. K0K 2G0			

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Name of person completing this form (please print) Ramanveer Kaur Nijjar		Official Title President	
Signature <i>Ramanveer Kaur</i>		Telephone No. 905-349-3049	Date (dd-mmm-yyyy) 16-11-2015



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

2. Additional Safety Measures

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

Emergency Response Assistance Plan-available by contacting supplier.

The facility is built to the propane code requirements and does not have any extra features that are over and above the code. The tank is protected with concrete filled posts on all sides and has an Emergency shutdown button that will kill power to the pump and solenoid valve when pushed. Tank is in constant site of employees on the premises. Fire Equipment access is easy off of County Road 2 with area to manoeuvre trucks around.

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Signature <i>Ramanveer Kaur</i>	Telephone No. 905-349-3049	Date (dd-mmm-yyyy) 16-11-2015



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

3. Record of Emergency Training Provided - For most recent 12-month period.

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Training Date (dd-mmm-yyyy) 30-11-2015	Print Name of Training Provider: <u>Grafton Gas &amp; Service</u>
	Print Name of Instructor: <u>Ramanveer Kaur Nijjar</u>
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) 30-11-2015	Print Name of Training Provider: <u>Grafton Gas &amp; Service</u>
	Print Name of Instructor: <u>Ramanveer Kaur Nijjar</u>
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) TBD 01-03-2013	Print Name of Training Provider: <u>Superior Propane FSN Training &amp; Development Inc. TSSA Provider</u>
	Print Name of Instructor: <u>Mark Wakeford Leo Aikenbrack certified # T11 #000155234</u>
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:

FSN

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Signature <u>Ramanveer Kaur</u>	Telephone No. <u>905-349-3059</u>
	Date (dd-mmm-yyyy) <u>16-11-2015</u>



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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) 19-11-2016	Print Name of Training Provider: <a href="#">Grafton Gas &amp; Service</a>
	Print Name of Instructor: <a href="#">Ramanveer Kaur Nijjar</a>
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) 19-11-2016	Print Name of Training Provider: <a href="#">Grafton Gas &amp; Service</a>
	Print Name of Instructor: <a href="#">Ramanveer Kaur Nijjar</a>
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: <a href="#">Superior Propane</a>
	Print Name of Instructor: <a href="#">Mark Wakeford</a>
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mmm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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Signature 	Telephone No. <a href="#">905-349-3059</a>
	Date (dd-mmm-yyyy) <a href="#">16-11-2015</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.

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 patrons at the propane facility that a problem has occurred after pressing the ESD switch and closing the ISC valve. The patrons will be asked to leave the site and the attendant will proceed to make a 911 call 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 attendant 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. After securing the site the attendant will proceed to the muster point and join other staff and customers and wait for 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 attendant will call 911 to ask for Fire and Police response. The attendant always carries a cell phone and also has access to a phone inside the Convenience store. When the system is not in operation, the ISC valve is closed and the propane system is unattended. Any accidents involving the propane tank during such times will require the intervention of random, nearby individuals or staff.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.  
The site is not fenced so access to the site is always available to Emergency Responders from County Road 2. The tank is located at the side of the property

Describe how the licence holder will ensure continual flow of updated information to authorities.  
The attendant will always be on site during normal operating hours. When Emergency Responders arrive on site, the attendant will identify themselves as the person in charge for the propane and will communicate directly with the Emergency Responders.  
The tank level gauge is monitored by the operator and this information will be given to Emergency Personnel.

How long will it take the facility liaison person to respond to the site.  
5 Minutes for the owner and owner is always on site.

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Signature <i>Ramanveer Kaur</i>	Telephone No. 905-349-3059	Date (dd-mmm-yyyy) 16-11-2015



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

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

**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>37 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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**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
<input checked="" type="checkbox"/>	<input type="checkbox"/>

If not, please explain (e.g., no fire services).

Fire services comments, if any:

**To be completed by the Licence Holder**

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

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 <b>Dave Wright, Fire Chief</b>		<b>05-12-2015</b>

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Signature <i>Ramanveer Kaur</i>	Telephone No. <b>905-349-3059</b>	Date (dd-mmm-yyyy) <b>16-11-2015</b>



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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) 19-11-2015	Capacity of single largest propane storage vessel (USWG) 1000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 3.05 m	Right side property line: 42.0 m
Rear: 4.5 m	Left side property line: 3.05 m
GPS coordinates of single largest vessel: Lat 43°59'5.34"N Long 78°01'51.6"W	

**Declaration: I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.**

Name of person completing this form (please print) Ramanveer Kaur Nijjar	Official Title President
Signature <i>Ramanveer Kaur</i>	Telephone No. 905-349-3059
	Date (dd-mmm-yyyy) 16-11-2015



Technical Standards and Safety Authority  
www.tssa.org

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

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

**SECTION C: SUBMISSIONS (cont'd)**

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

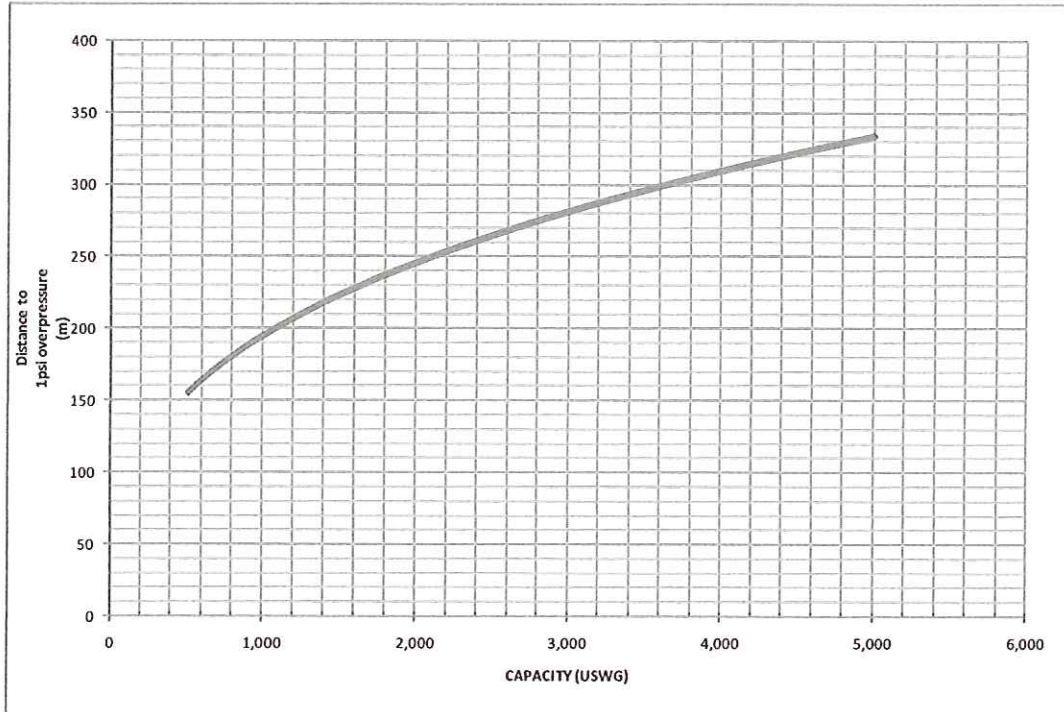
Table 1: Distance Table

Water Capacity (litres)	Nominal Water Capacity (USWG)	Distance to 1 psi overpressure (m)
1,890	500	155
3,780	1,000	195
4,920	1,300	213
6,620	1,750	235
7,130	1,885	241
7,560	2,000	246
18,900	5,000	333

**Formula:**  $D = 16.94 \times (1.524 \times C)^{1/3}$   
 D = Distance to overpressure of 1 psi (meters)  
 C = Tank Total Capacity in USWG

**Parameters:** Density of Propane is 0.5033 kg per litre @ 15 C  
 Assume all vessels are 80% full  
 1 gallon [US, liquid] = 0.003785411784 cubic meter  
 1 cubic metre = 264.17 USWG

Hazard Distance Chart (EPA-TNT model)





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

**SECTION C: SUBMISSIONS (cont'd)**

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

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

**Table 2: Buildings and Features**

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Residential building units specifically permanent single family dwellings, condominiums, and apartments [Redacted]				X	50 m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: <u>Grafton Powersports</u> Address: <u>10857 County Road 2</u> City: <u>Grafton</u> Province <u>Ontario</u> Postal Code <u>K0K 2G0</u>			X		30 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: <u>OPP</u> Address: <u>10836 County Road 2</u> City: <u>Grafton</u> Province <u>Ontario</u> Postal Code <u>K0K 2G0</u>		X			40 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>Ramanveer Kaur Nijjar</u>	Official Title <u>President</u>
Signature <u>Ramanveer Kaur</u>	Telephone No. <u>905-349-3059</u> Date (dd-mmm-yyyy) <u>16-11-2015</u>



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

**WORKSHEET**

**Portable Storage Additional Information Worksheet**

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9		
# 100	29.5	2	59 USWG
# 40	11.75		
# 33.3	9.62		
# 30	8.8	6	52.8 USWG
# 20	5.8	40	232 USWG
# 10	2.9		
# 5	1.5	2	3 USWG
<b>Total Cylinder Capacity</b>			<b>346.8 USWG</b>

**Tanks Stored On-site Not Connected for Use**

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

<b>Total Cylinder Capacity</b>	346.8 USWG
<b>Total Tank Capacity</b>	1000 USWG
<b>Total Portable Capacity</b> (Total Cylinder Capacity + Total Tank Capacity)	1346.8 USWG

July 18 2011

195M RADIUS OF PROPANE TANK

### Legend

- Water Valves
- Culvert\_merge
- 🚒 Hydrants
- ⊙ Manholes
- GraftonWaterMains
- A/H Properties/Buildings



The Township of Alnwick/Haldimand

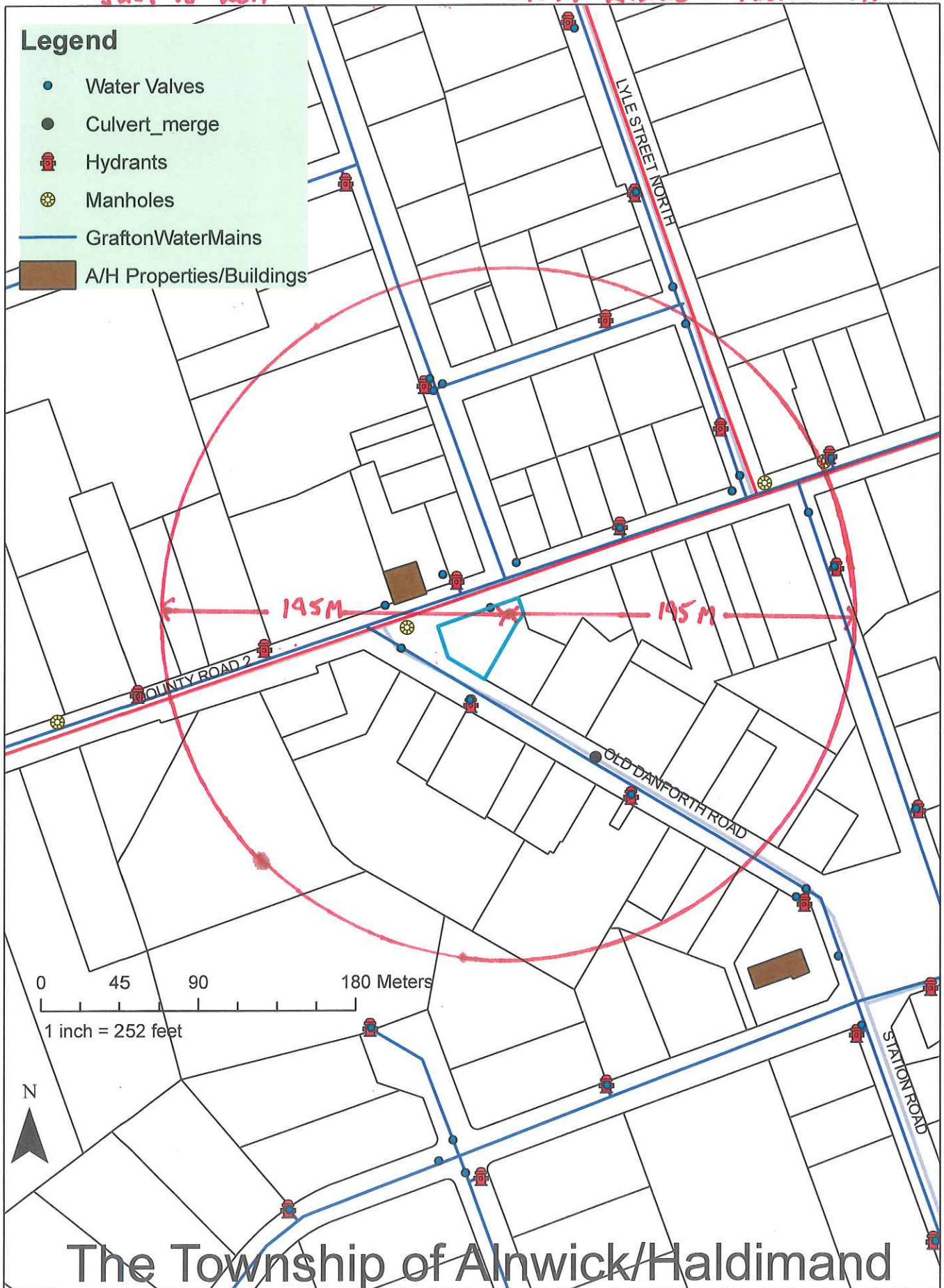


July 18 2011

195 M RADIUS OF PROPANE TANK

**Legend**

- Water Valves
- Culvert\_merge
- 🚒 Hydrants
- ⊗ Manholes
- GraftonWaterMains
- A/H Properties/Buildings



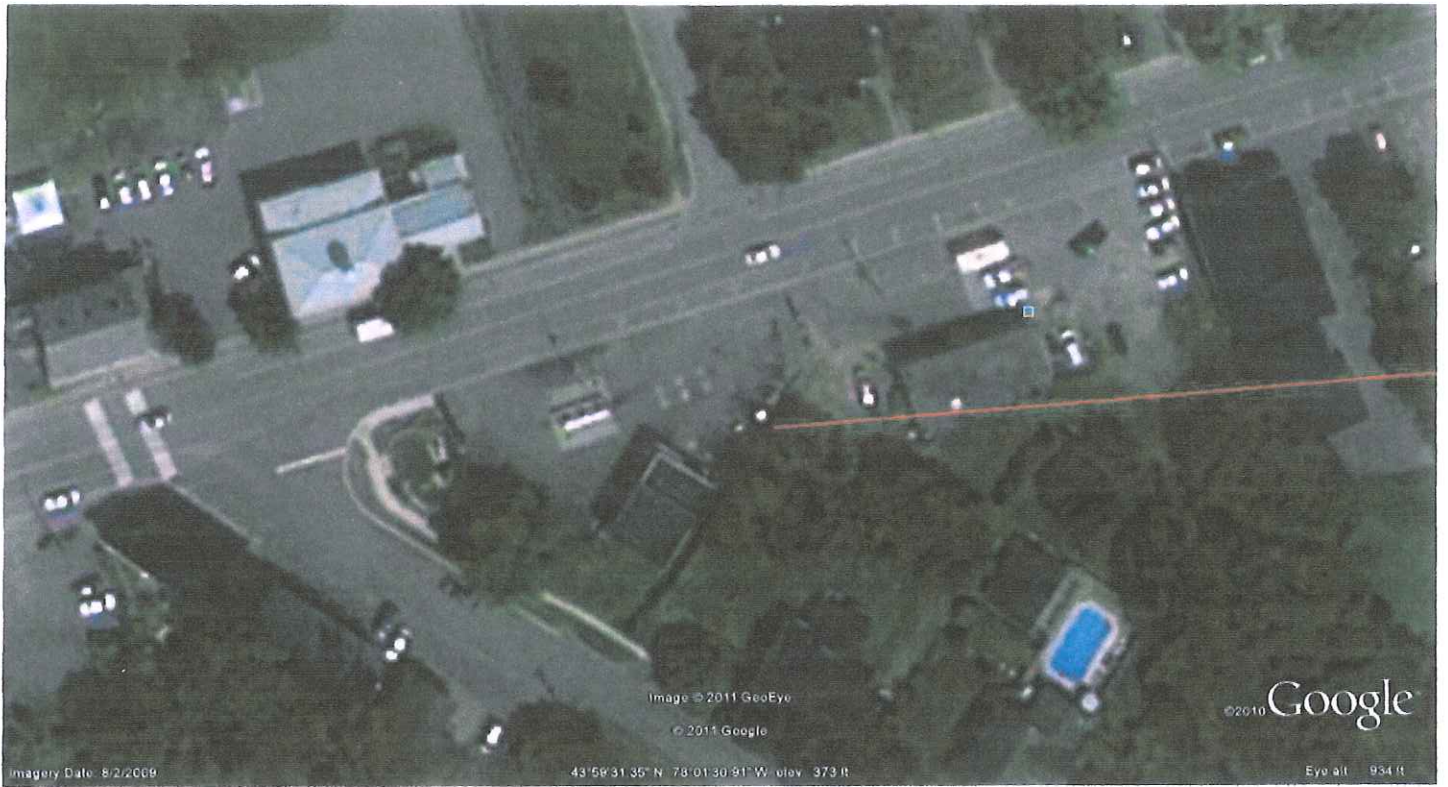
The Township of Alnwick/Haldimand



To see all the details that are visible on the screen, use the Print link next to the map.



- 1- CAPACITY OF PROPANE TANK - 1000 USWG
- 2- GPS CO-ORDINATES = N 43° 59.532 W 78° 01.516
- 3- CIRCLE CENTRED ON TANK = 195 M RADIUS
- 4- MUNICIPALITY = ALNWICK / HALDIMAND
- 5- MUNICIPAL CONTACT = TERRY J. KOROTKI CHIEF ADMINISTRATOR OFFICER  
 T- 905 349- 2622 EXT-23 F- 905-349-3259  
 EMAIL- tkorotki@alnwickhaldimand.ca
- 6- MAP OF SURROUNDING AREA      CON-A  
 2213816 ONTARIO LTD.      LOT# 1 PART 2 PART 3 PART 4  
 GRAFTON GAS & SERVICE  
 10843 COUNTY ROAD 2  
 GRAFTON ONTARIO K0K2G0

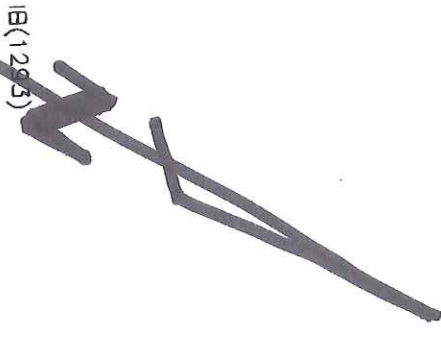


CLOSE-UP OF AERIAL MAP

GRAFTO GAS & SERVICE

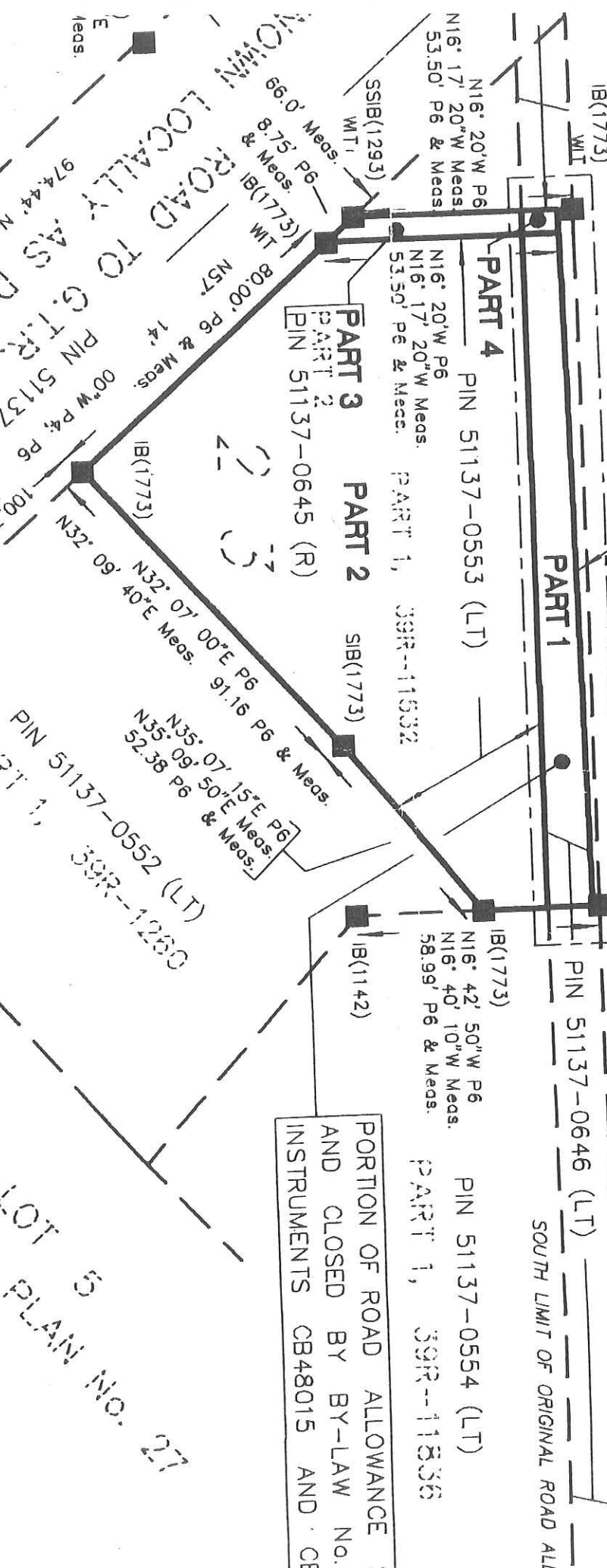
10843 CTY ROAD 2

GRAFTON ONTARIO K0K2G0



COUNTY HIGHWAYS  
 FORMERLY THE KING'S HIGHWAY  
 PLAN No. 2336 (P-1512-6)  
 ROAD No. 2

ORIGINAL ROAD ALLOWANCE BEARING  
 (REFERENCE NORTH LIMIT  
 AIRD STRE (BY REG'D.  
 LOT 3  
 LOT 4



PART 1, 39R-11532  
 PART 2, 39R-11532  
 PART 3, 39R-11532  
 PART 4, 39R-11532

PORTION OF ROAD ALLOWANCE  
 AND CLOSED BY BY-LAW No.  
 INSTRUMENTS CB48015 AND CB  
 LOT 5 PLAN No. 27

WOMAN ROAD TO G.T.R. AS D  
 LOCALLY AS D  
 974.44' N  
 80.00' P6 & Meas.  
 1/4" WIT  
 1/4" WIT  
 100.00' P6 & Meas.  
 00° W P4, P6  
 PIN 51137

IB(1773)  
 N32° 09' 40" E Meas.  
 91.16' P6 & Meas.  
 N35° 07' 15" E P6  
 N35° 09' 50" E Meas.  
 52.38' P6 & Meas.  
 PIN 51137-0552 (LT)  
 39R-1250

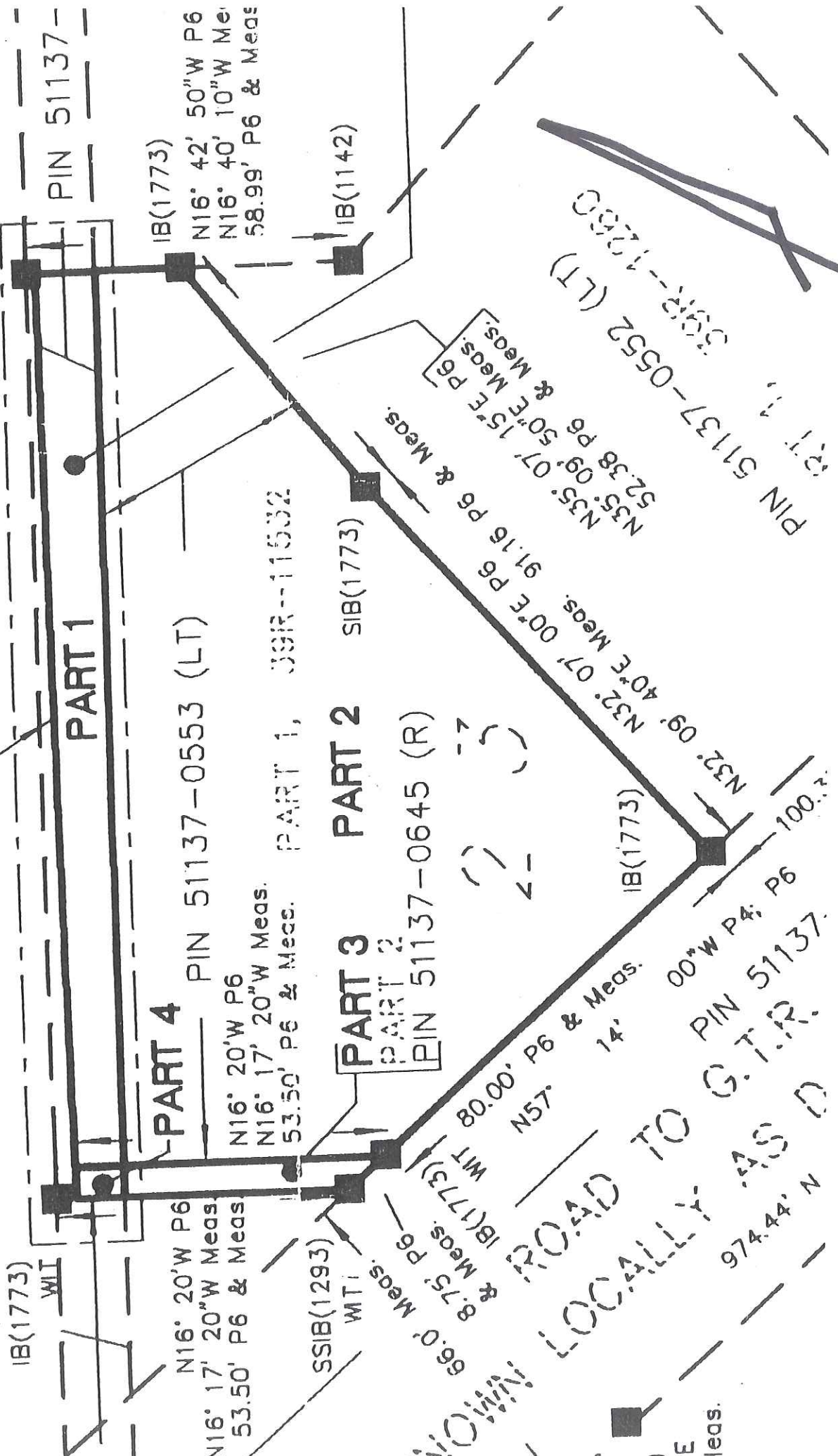
IB(1773)  
 N16° 20' W P6  
 N16° 17' 20" W Meas.  
 53.50' P6 & Meas.  
 SSIB(1293)  
 WIT  
 66.0' Meas.  
 8.75' P6  
 IB(1773)  
 WIT  
 N16° 20' W P6  
 N16° 17' 20" W Meas.  
 53.50' P6 & Meas.  
 PIN 51137-0645 (R)

IB(1773)  
 N16° 42' 50" W P6  
 N16° 40' 10" W Meas.  
 58.99' P6 & Meas.  
 IB(1142)  
 CP(1773)  
 PIN 51137-0646 (LT)  
 SOUTH LIMIT OF ORIGINAL ROAD ALL

FORMERLY THE KING'S HIGHWAY NO. 2

PIN 51136-0052 (LT)

SEE DETAIL



**PART 1**

**PART 4**

**PART 3**

**PART 2**

PIN 51137-0553 (LT)

PIN 51137-0645 (R)

PART 1, USR--11502

ROAD TO G.T.R.  
LOCALLY AS D

CP(1773)  
WT

IB(1773)

N16° 42' 50" W P6  
N16° 40' 10" W Meas.  
58.99' P6 & Meas.

IB(1142)

N35° 07' 15" E P6  
52.38 P6 & Meas.

PIN 51137-0552 (LT)  
USR--1260

N32° 07' 00" E Meas.  
91.16 P6 & Meas.

IB(1773)

N32° 09' 40" E Meas.  
100.72

N16° 20' W P6  
N16° 17' 20" W Meas.  
53.50' P6 & Meas.

SSIB(1293)  
WT

IB(1773)  
WT  
& Meas. P6  
8.75' P6  
66.0' Meas.

IB(1773)  
WT

N57° 14' 00" P6 & Meas.  
80.00' P6

00° W P4; P6  
PIN 51137

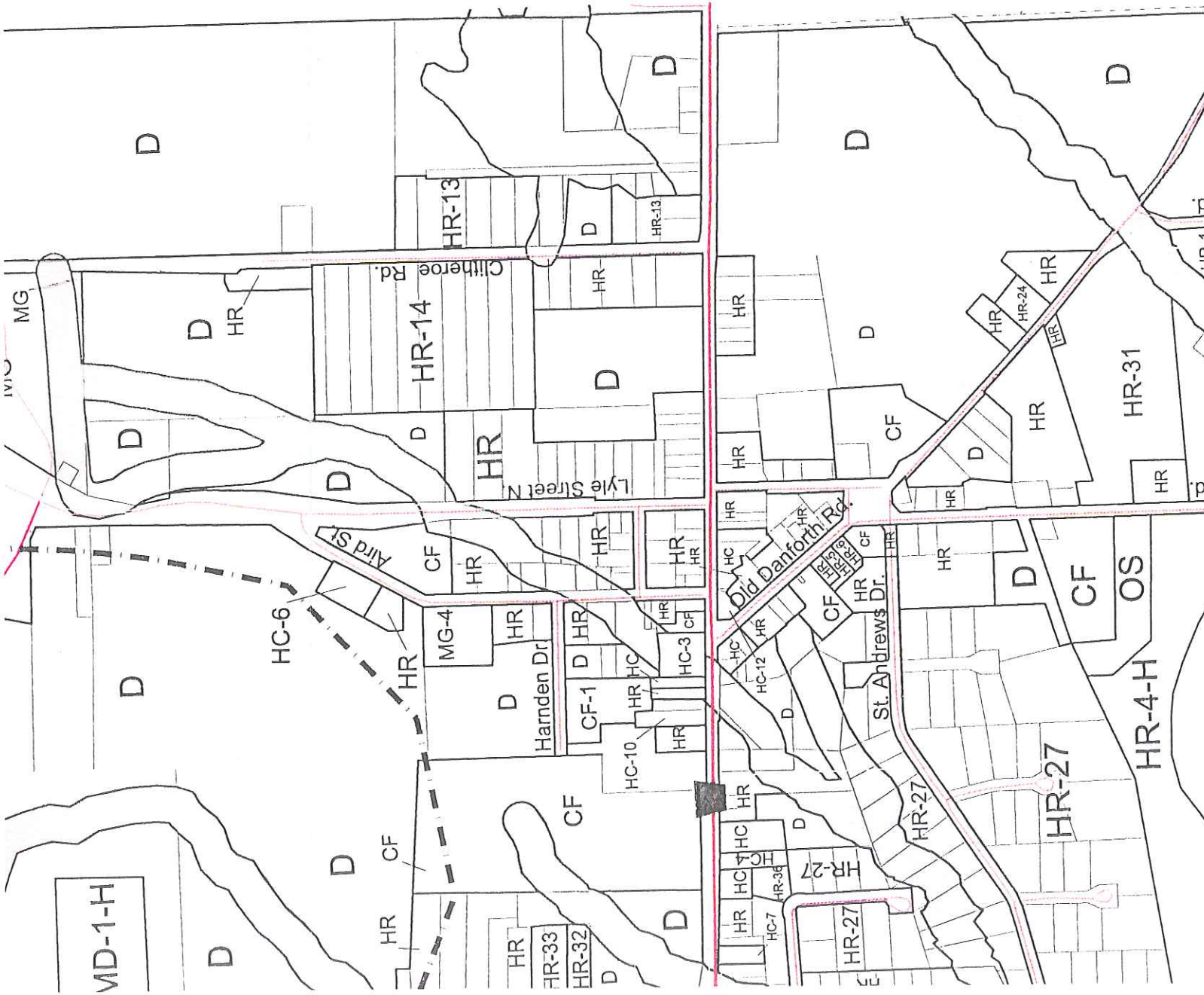
974.44' N

E  
leas.



LEGEND

- RU Rural
- A Agricultural
- RR Rural Residential
- HR Hamlet Residential
- SR Shoreline Residential
- LSR Limited Service Residential
- GC General Commercial
- HC Hamlet Commercial
- RC Recreation Commercial
- MG General Industrial
- ME Extractive Industrial
- MD Waste Disposal Industrial
- CF Community Facility
- OS Open Space
- D Development
- EP  Waste Disposal Assessment Area. Refer to Section 4.15.3



**APPLICATION MADE BY PETERBOROUGH CSC OF SPI**

**PROPANE BRANCH STANDARD NUMBER 9 STATISTICS**

AREA A (INDUSTRIAL AREA WITHIN 75') =	0.0 sq. ft.
AREA B (NON-INDUSTRIAL AREA WITHIN 75') =	752.3 sq. ft.
AREA C (INDUSTRIAL AREA BETWEEN 75' AND 300') =	0.0 sq. ft.
AREA D (NON-INDUSTRIAL AREA BETWEEN 75' AND 300') =	44,250.6 sq. ft.
AREA E = AREA A + (2 x AREA B) =	1,504.6 sq. ft.
AREA F = AREA C + (2 x AREA D) =	88,501.2 sq. ft.
A/G TANK AREA = AREA E + (0.1 x AREA F) =	10,354.7 sq. ft.

1	DEC. 16, '09	ISSUED FOR TSSA APPROVAL	D.F.
0	NOV. 30, '09	ISSUED FOR ALNWICK/HALDIMAND TOWNSHIP APPROVAL	D.F.
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:**  
 2213816 Ontario Ltd. c/o  
 Grafton Gas & Service  
 10843 County Rd. 2, Grafton ON K0K-2G0

**Drawn By:** D.F.  
**Checked By:** J.R.K.  
**Date:** NOV. 30, '09

**Drawing Title:**  
 PROPOSED 1,000 USWG VERTICAL  
 PROPANE TANK c/w CYLINDER SCALE

**Drawing Scale:** AS SHOWN

**Drawing Number:**  
 P-100

**File Number:**  
 09580D

<b>ACAD INFORMATION</b>
Drawing File: 09580D-P-100
Drawing Size: D
Plotting Scale: 1=1

## NOTES:

1. AREAS SHOWN REPRESENT PORTIONS OF BUILDINGS BOUNDED BY THE 0-75 FEET AND 75-300 FEET RADII AS INDICATED.
2. AREAS CALCULATED ARE USED FOR TSSA PROPANE BRANCH STANDARD #9 REQUIREMENTS.
3. AREA REQUIREMENTS FOR BRANCH STANDARD #9 IS 10,354.7 sq. ft., WHICH IS LESS THAN THE 15,000 sq. ft. RESTRICTION. FACILITY IS IN COMPLIANCE WITH BRANCH STANDARD #9.
4. SITE IS IN COMPLIANCE WITH THE B149.1-05 & B149.2-05 CODES REQUIREMENTS, AS PER APPROVED DISTANCES IF LOCATED AS SHOWN. ALL EQUIPMENT IS TO MEET APPLICABLE CODE REQUIREMENTS.
5. ANY UPPER STORIES OF BUILDINGS THAT FALL WITHIN THE 75 FEET AND 300 FEET RADII ARE ALSO USED IN CALCULATING BRANCH STANDARD #9 LIMITS.
6. INFORMATION TAKEN DURING SITE VISIT PERFORMED BY ALTENG PERSONNEL ON NOVEMBER 15, 2009 TO CONFIRM SITE CONDITIONS.
7. ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE APPROVED FOR PROPANE USE AND INSTALLED IN THE APPROPRIATE CLASSIFIED AREAS (i.e.. HAZARDOUS, NON-HAZARDOUS, ETC.)
8. 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.
9. FACILITY USED FOR RETAIL CYLINDER REFILLING ONLY.
10. DISTANCES OF TANK AND ITS' RELATED EQUIPMENT FROM CATCH BASINS TO BE MINIMUM 7.62 m (25 ft.) AS PER THE B149.2-05 CODE. INSTALLER TO VERIFY SITE CONDITIONS ARE IN COMPLIANCE.
11. OCCUPANCY CLASSIFICATIONS HAVE BEEN SELECTED BY "MAIN OCCUPANCY" AS DEFINED BY THE ONTARIO BUILDING CODE 1995, WHERE DUAL OCCUPANCY CLASSIFICATIONS EXIST, THE MAIN FUNCTION HAS BEEN PRESUMED. (i.e. MERCANTILE 30% INDUSTRIAL 70%, F CLASSIFICATION USED.) UNLESS OTHERWISE SHOWN.
12. SIGNS COMPLYING WITH CLAUSE 7.20.6 OF THE PROPANE STORAGE AND HANDLING CODE B149.2-05, SHALL BE PROMINENTLY DISPLAYED.
13. ANY TANK DIMENSIONS ARE TYPICAL, ACTUAL TANK DIMENSIONS MAY VARY.
14. PROPANE AND ELECTRICAL SHUTDOWN MUST BE PROVIDED FOR PROPANE DISPENSING EQUIPMENT AS PER CLAUSE 7.19.1.7 OF B149.2-05. THIS MUST BE INSTALLED.
15. TANK MUST BE MORE THAN 3 m (10 ft.) FROM UNDERGROUND PETROLEUM TANKS, SECTION 7.1.8.
16. PORTABLE FIRE EXTINGUISHER NOT LESS THEN 20-B,C RATING TO BE MOUNTED AT SITE AS PER SUB CLAUSE 7.19.1.6.
17. PROPANE TRANSPORTATION VEHICLES (ie. BULK TRUCKS) ARE NOT ALLOWED TO PARK OVERNIGHT ON THIS SITE AND THEREFORE THE OWNER IS NOT SUBJECT TO THE CLAUSES 8.15.4 AND 8.15.5 OF THE B149.2-05 CODE.
18. 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 IS FENCED.
19. ANY FENCES TO BE CONSTRUCTED IN ACCORDANCE WITH CLAUSE 6.5.2.1 (a) OR (b) OF B149.2-05.



1000 USWG  
PROPANE TANK

LOCKABLE ENCLOSURE  
(SEE NOTE #18)

CYLINDER SCALE

min. 1060mm [3.5']

GRADE

MIN. 100mm $\phi$   
[4"] STEEL PIPE  
CONCRETE FILLED

CONCRETE SLAB

MIN. 760 [2'-6"]

MIN. 915 [3'-0"]

SPI

1015 [3'-4"]

5486 [18']

MIN. 305 [12"]



DETAIL ELEVATION OF TANK

SCALE: 1:100

CE

HHH

HHH

HHH

PROPERTY LINE

U/G GASOLINE  
TANKS (3 TYP.)

min. 3050mm [10']

CYLINDER SCALE

PROPOSED 100mmØ  
[4"] STEEL POSTS

PROPOSED FIRE  
EXTINGUISHER  
(SEE NOTE #16)

min. 1060mm [3.5']

max. 1370 [54"]

BELL PHONE  
BOOTH

LIGHTS

DIESEL  
DISPENSER

VENTS

PROPERTY LINE  
FENCE

min. 3050mm [10']

3050 [10']

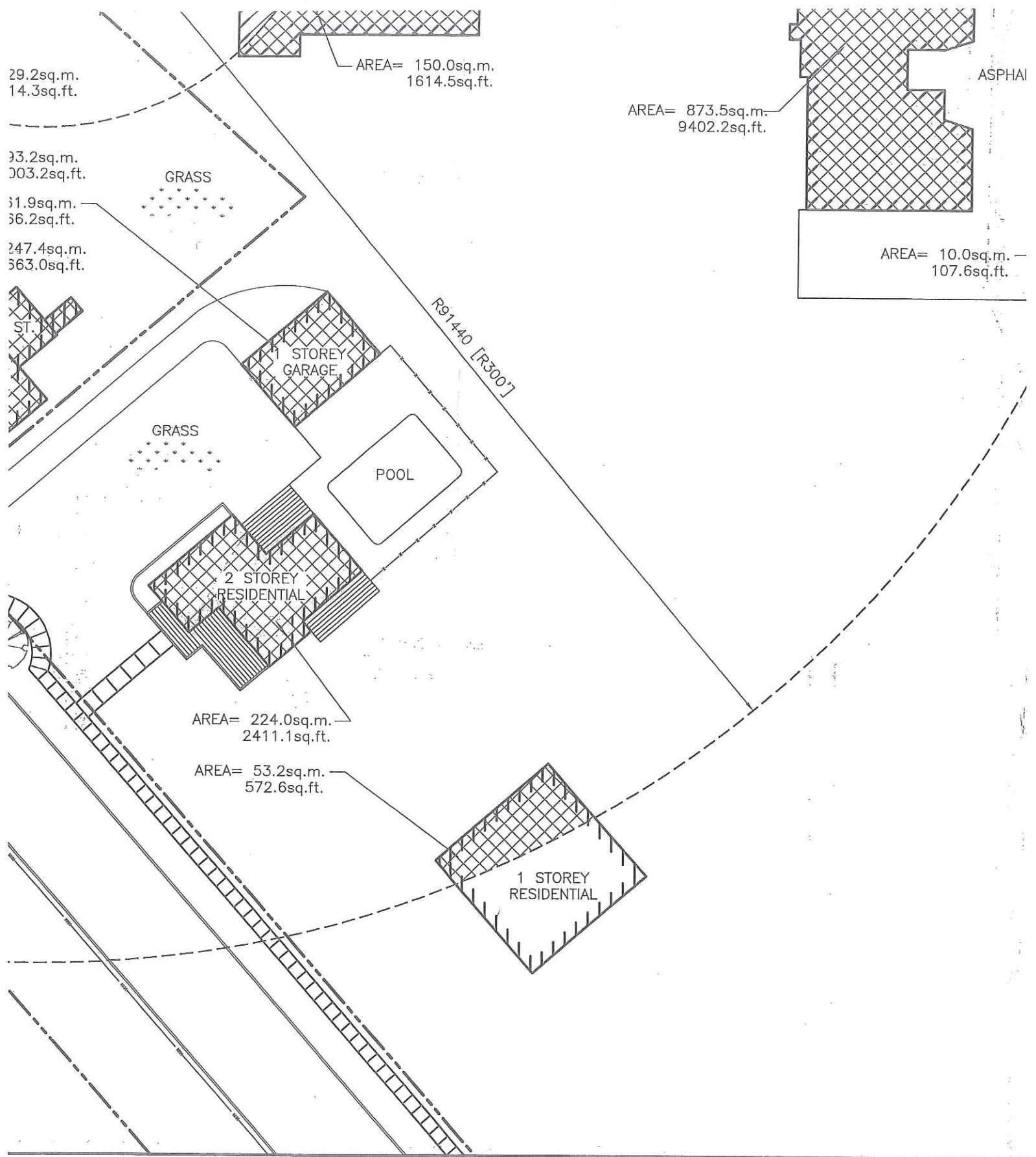
2440 [8']

min. 7620mm

SIGN

min. 4570mm [15']

1 PLAN DETAIL 1,000 USWG TANK INSTALLA  
SCALE: 1:100



**PLAN**

1:400

AIRD STREET

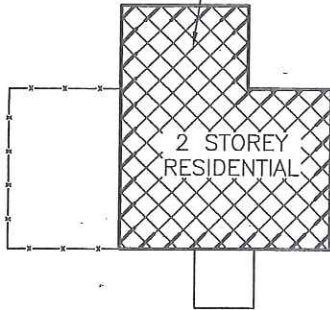


AREA= 62.8sq.m.  
675.9sq.ft.



AREA= 123.0sq.m.  
1323.9sq.ft.

AREA= 248.6sq.m.  
2675.9sq.ft.



AREA= 266.6sq.m.  
2869.6sq.ft.



AREA= 76.4sq.m.  
822.3sq.ft.



COUNTY ROAD No. 2

AREA= 26.1sq.m.  
280.9sq.ft.

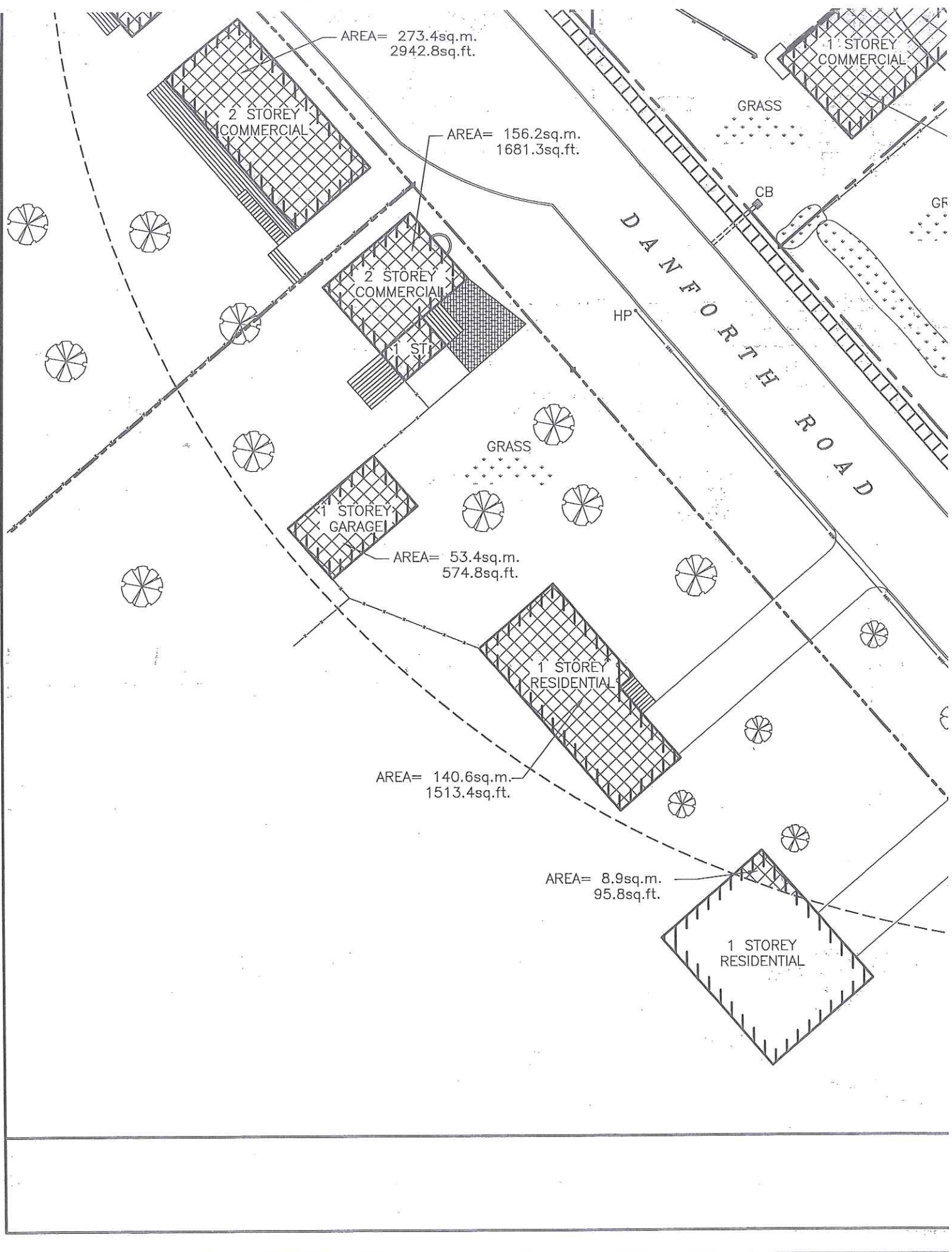


R22860 [R75']

CB

HP

INE YP.)





AREA= 89.4sq.m.  
962.3sq.ft.

PARKING

PARKING

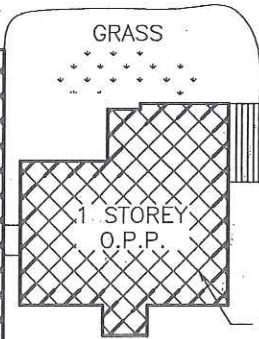
AREA= 540.6sq.m.  
5818.9sq.ft.

AREA= 2.1sq.m.  
22.6sq.ft.

STOREY  
INN



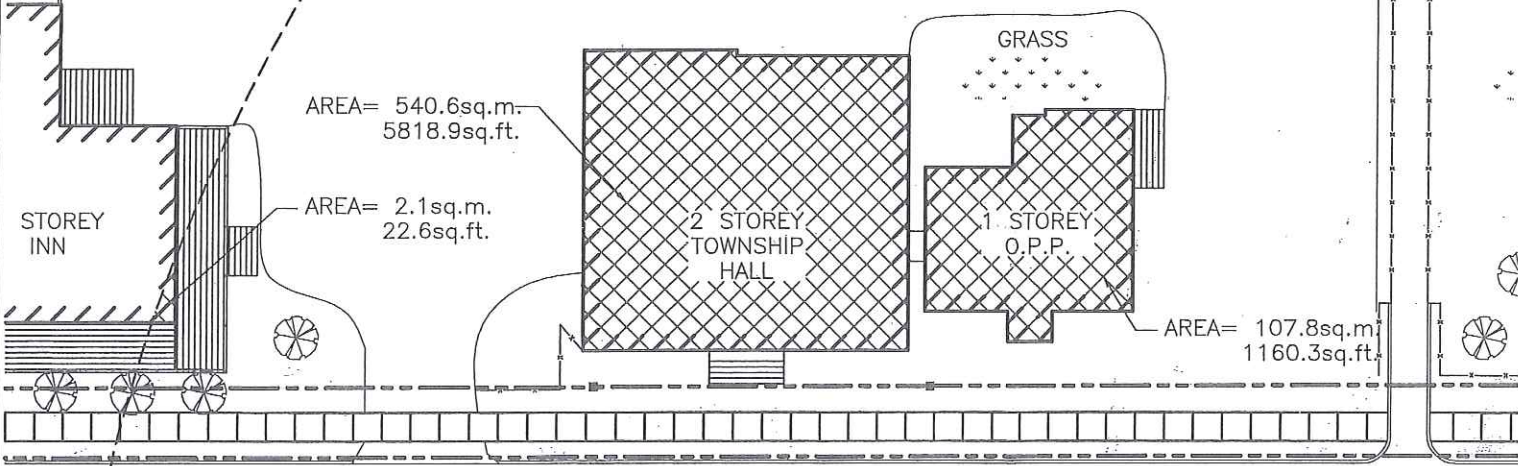
2 STOREY  
TOWNSHIP  
HALL



GRASS

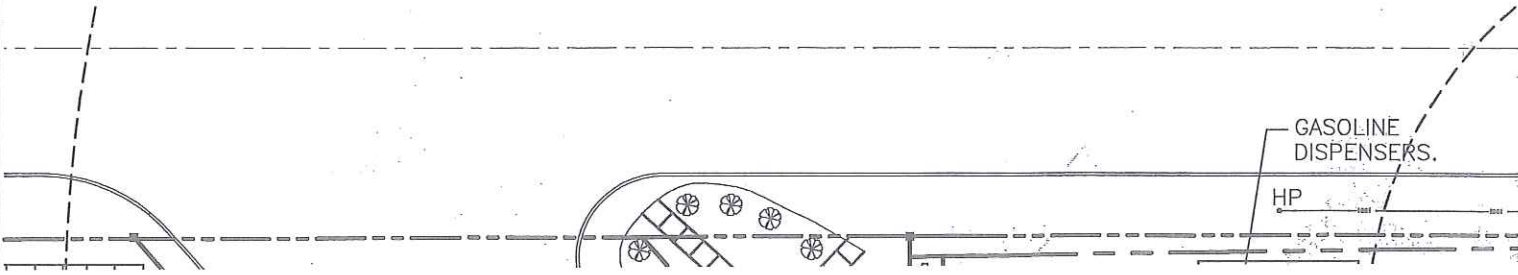
1 STOREY  
O.P.P.

AREA= 107.8sq.m.  
1160.3sq.ft.



GASOLINE  
DISPENSERS.

HP



DATED JULY 6/11

# SITE PLAN

## EMERGENCY NUMBERS

- FIRE EXTINGUISHER
- EMERGENCY SHUT-OFF VALVE
- I PROPANE SHUT-OFF (ISC)
- + FIRST AID KIT
- MPS MAIN POWER SHUT-OFF
- Ⓜ DESIGNATED MEETING AREA
- PG PROPANE CAGE
- WC WOOD CAGE
- FH\* FIRE HYDRANT

- AMBULANCE - 911
- POLICE - 911
- FIRE - 911

SUPERIOR PROPANE - 1-877-873-7467

22 13816 ONTARIO LTD. (GRAFTON GAS & VARIETY) 10843 CTY RD #2, GRAFTON, ONT. K0K 2G0

