



**Technical Standards and Safety Authority**  
www.tssa.org

14th Floor - Centre Tower  
3300 Bloor Street West  
Toronto Ontario M8X 2X4  
Fax: 416.231.4903  
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.

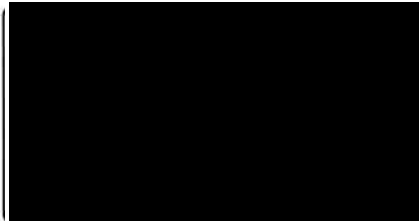
**Failure to fully complete this form may result in rejection.  
Making a false statement may result in a fine or prosecution  
under the *Technical Standards and Safety Act***

**Licence Number**

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  Ontario Corporation No., if applicable

Operator Name (if different from above)

Telephone No.  Fax No.  E-mail

**B** Street No.  Street Name / 911 Number / Address, if applicable

Town / City or Township / County  Province  Postal Code

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

Street No.  Street Name / 911 Number / Address, if applicable

Town / City or Township / County  Province  Postal Code

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

**D** Location of facility.

Street No.  Street Name / 911 Number / Address, if applicable  Nearest Major Intersection

Town / City or Township / County  Province  Postal Code

Name of Licence Holder

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT).  ROT type

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

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.**

|   |                  |                           |
|---|------------------|---------------------------|
| <b>Print name</b>   | <b>Signature</b> | <b>Date (dd-mm-yyyy)</b>  |
| Name of Licence Holder <input type="text" value="John Lastoria"/>   |                  | Revised 16-04-2012        |
| Name of Senior Management person as defined in the Regulation holding the Record of Training <input type="text" value="Glen Butt"/> |                  | K.Almey, Superior Propane |



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

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

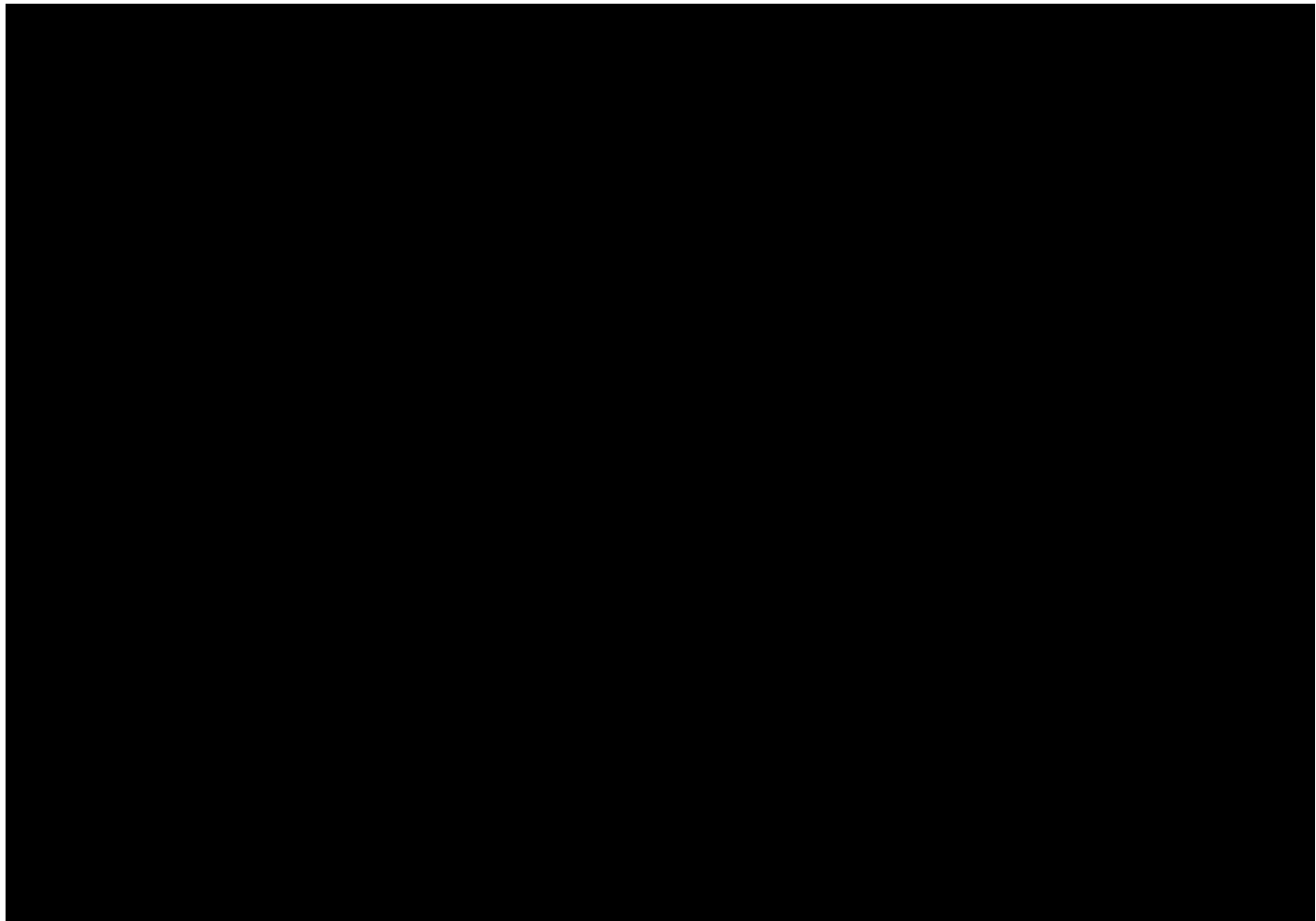
|   |   |
|---|---|
| Indicate the year the facility was established.<br>2000 | Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment.<br>None |
|---|---|

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

|         | PSIG     | Serial Number |
|---------|----------|---------------|
| Tank 1: | 250 PSIG | 5.779678      |
| 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: 627 USWG      Mobile: 0 USWG



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|   |                                      |   |
|---|--------------------------------------|---|
| Name of person completing this form (please print)<br>John Lastoria | Official Title<br>E H & S Specialist |   |
| Signature<br><i>Revised by Kalmev Superior Propane</i>              | Telephone No.<br>416-544-7603        | Date (dd-mm-yyyy)<br>Revised 16-04-2012 |



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*Technical Standards and Safety Act*  
Propane Storage and Handling Regulation

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

Activity Information

|   |   |                                   |             |
|---|---|-----------------------------------|-------------|
| <b>Name of Propane Supplier(s)</b>                    |   | [Redacted]                        |             |
| Superior Propane - Ontario Regional Operations Centre |   |                                   |             |
| Street No.  | Street Name / 911 Number / Address, if applicable |                                   |             |
| 251   | Woodlawn Road West, Unit 217                      |                                   |             |
| Town / City or Township / Country                     |   | Province                          | Postal Code |
| Guelph  |   | Ontario                           | N1H 8J1     |
| Telephone No.   | Fax No.   | Contact Name                      |             |
| 1-877-873-7467  | 519-836-7766                                      | Bruce Graham ( also 519-780-4913) |             |
| E-mail  |   |                                   |             |
| GrahamB@superiorpropane.com                           |   |                                   |             |

|  |   |                   |             |
|--|---|-------------------|-------------|
| <b>Name of Propane Transporter.</b> If same as above, please check box. <input type="checkbox"/> |   | [Redacted]        |             |
| Superior Propane - Guelph  |   |                   |             |
| Street No.   | Street Name / 911 Number / Address, if applicable |                   |             |
| 7022   | Wellington Road 124 S                             |                   |             |
| Town / City or Township / Country  |   | Province          | Postal Code |
| Guelph   |   | Ontario           | N1H 6L3     |
| Telephone No.  | Fax No.   | Contact Name      |             |
| 519-831-6564   | N/A   | Chris Van Herksen |             |
| E-mail   |   |                   |             |
| vanherkc@superiorpropane.com   |   |                   |             |

|  |   |                            |
|--|---|----------------------------|
| <b>Off-site Cylinder and/or Mobile Storage</b> | 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                   |
|  |   |                            |
| Telephone No.                                  | Fax No.   | Contact Name               |
|  |   |                            |

Note: Customer storage is not considered off-site storage.

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|  |                    |                   |
|--|--------------------|-------------------|
| Name of person completing this form (please print) | Official Title     |                   |
| John Lastoria                                      | E H & S Specialist |                   |
| Signature  | Telephone No.      | Date (dd-mm-yyyy) |
|  | 416-544-7608       | 31-01-2012        |



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Propane Storage and Handling Regulation

**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.

Gasoline - The site has underground tanks with a total capacity of 150,000 litres. They are located on the north side of the gasoline dispensers.

An MSDS for regular unleaded gasoline is provided herein. MSDS for premium gasoline and diesel are similar and not included.

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

1. Fires Extinguisher Locations: a) Inside gas bar building b) On columns by gasoline dispensers c) At the bulk propane tank filling station
2. Emergency stop push button - on exterior of convenience store. This shuts down the pump and closes a solenoid valve upstream of hoses.
3. Power supply breaker inside the gas bar building. This cuts all power to the propane system - shuts down pump; closes solenoid valve.

List of fire protection controls (e.g., fire detection systems, fire notification systems, alarm systems, automatic shut off devices, fusible links, etc.) and describe their function, use and operation.

1. Emergency stop push button. This shuts down the pump and closes a solenoid valve upstream of hoses.
2. Fusible link on ISC valve - isolation valve between the tank and the downstream propane dispensing equipment.
3. Power supply breaker inside the gas bar building. This cuts all power to the propane system - shuts down pump; closes solenoid valve
4. ISC valve interlock bar (interlocked with cabinet door) - ISC valve closes when door is closed.

Maintenance and testing schedule for fire protection controls and devices.

Maintenance and testing is undertaken by Superior Propane according to Superior Propane's Maintenance Standard. Schedule for key equipment is:

1. Pumps (Pump every 3 months; Pump Motor: check belts monthly; grease motor every 6 months); 2. ISC Valves (test for closure every 6 months)
3. Fusible links - inspected every 6 months; 4. Storage tank Relief Valves - inspect every 2 years; replacement schedule as per provincial regulations.
5. Fire extinguishers maintained by Canadian Tire in accordance with Ontario fire regulations. Maintenance records are kept for 5 years.

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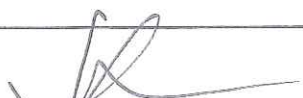
**SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)**

2. Additional Safety Measures

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

Emergency Shut Off push button to shut down pump and close solenoid valve upstream of dispensing hoses.

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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<br>Kevin Morden   | For Office Use - Party No. | Name<br>Kevin Morden   | For Office Use - Party No. |
| Official Title<br>Agent  |                            | Official Title<br>Agent  |                            |
| Telephone No.<br>519-884-6896  | Fax No.<br>519-884-6896    | Cell No.<br>519-577-3669   | Fax No.<br>519-884-6896    |
| E-mail<br>1675.waterloo@ctpagent.ca  |                            | E-mail<br>1675.waterloo@ctpagent.ca  |                            |
| Role and responsibilities in emergency<br>Coordinate site response   |                            | Role and responsibilities in emergency<br>Coordinate site response   |                            |
| <b>2. Facility Contact Personnel - Alternate Contact</b>   |                            | <b>6. Name of Facility Manager</b>   |                            |
| Name<br>Ronald Rameshnauth   | For Office Use - Party No. | Name<br>Kevin Morden   | For Office Use - Party No. |
| Official Title<br>Regional Business Manager  |                            | Official Title<br>Agent  |                            |
| Telephone No.<br>416-452-4929  | Fax No.<br>905-257-9093    | Telephone No.<br>work 519-884-6896 or 519-577-3669   | Fax No.<br>519-884-6896    |
| E-mail<br>ronald.rameshnauth@cantire.com   |                            | E-mail<br>1675.waterloo@ctpagent.ca  |                            |
| Role and responsibilities in emergency<br>Coordinate site response if agent is unavailable   |                            | Role and responsibilities in emergency<br>Coordinate site response   |                            |
| <b>3. Local Fire Services - Key Contact</b>  |                            | <b>7. Propane Supplier Key Contact Person</b>  |                            |
| Name<br>Lyle Quan  | For Office Use - Party No. | Name<br>Superior Propane Hotline   | For Office Use - Party No. |
| Official Title<br>Fire Chief   | E-mail<br>N/A              | Official Title   | E-mail                     |
| Telephone No.<br>519-884-2121  | Fax No.<br>519-884-0242    | Telephone No.<br>1-877-873-7467  | Fax No.                    |
| Role and responsibilities in emergency<br>Coordinate/advise on Fire Service response and liaise with police and CTC contact.             |                            | Role and responsibilities in emergency<br>Identify and dispatch Superior Propane and or LPERGC emergency response personnel as required. |                            |
| Fire Services Address<br>Waterloo Fire Dept Headquarters 470 Columbia Street W Waterloo ON N2T 2Y6                                       |                            | Propane Supplier Address<br>251 Woodlawn Road West, Unit 217, Guelph, ON   |                            |
| <b>4. Local Fire Services - Alternate Contact</b>  |                            | <b>8. Municipal Contact</b>  |                            |
| Name<br>Jamie Zimmerman  | For Office Use - Party No. | Name<br>Susan Greatrix   | For Office Use - Party No. |
| Official Title<br>Deputy Fire Chief - Prevention   | E-mail<br>N/A              | Official Title<br>City Clerk   |                            |
| Telephone No.<br>519-884-2121  | Fax No.<br>519-884-0242    | Telephone No.<br>519-747-8705  | Fax No.<br>519-747-8510    |
| Role and responsibilities in emergency<br>Alternate - Coordinate/advise on Fire Service response and liaise with police and CTC contact. |                            | E-mail<br>susan.greatrix@waterloo.ca   |                            |
| Fire Services Address<br>Waterloo Fire Dept Headquarters 470 Columbia Street W Waterloo ON   |                            | Municipality Name and Address<br>100 Regina Street South, Waterloo, ON N2J 4A8   |                            |

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| Name of person completing this form (please print)<br>John Lastoria | Official Title<br>E H & S Specialist    |
| Signature<br><i>Revised by Kalmey Superior Propane</i>              | Telephone No.<br>416-544-7608           |
|   | Date (dd-mm-yyyy)<br>Revised 16-04-2012 |



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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-mm-yyyy)<br>2010    | Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers  |
|                                       | Print Name of Instructor:   |
| Training Date (dd-mm-yyyy)<br>1Q 2012 | Print Name of Training Provider: Please Note - The industry has recently introduced a propane specific ER course - #911-02 (Dec.2011). Prior to December 2011 |
|                                       | Print Name of Instructor:   |
| Training Date (dd-mm-yyyy)            | Print Name of Training Provider: there wasn't one available. Canadian Tire agents will be   |
|                                       | Print Name of Instructor: completing this course in January 2012.   |

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

|                                       |  |
|---------------------------------------|--|
| Training Date (dd-mm-yyyy)<br>2010    | Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers |
|                                       | Print Name of Instructor:  |
| Training Date (dd-mm-yyyy)<br>1Q 2012 | Print Name of Training Provider: Key Site Contact to train staff   |
|                                       | Print Name of Instructor:  |
| Training Date (dd-mm-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-mm-yyyy)<br>01-11-2010      | Print Name of Training Provider: Mike Martin   |
|   | Print Name of Instructor: Mike Martin  |
| Training Date (dd-mm-yyyy)<br>TBA as required | Print Name of Training Provider: Superior Propane, FSN Training, or Other Please Note - a ROT is valid for 3 years |
|   | Print Name of Instructor: TBA as required  |
| Training Date (dd-mm-yyyy)                    | Print Name of Training Provider:   |
|   | Print Name of Instructor:  |

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| Signature<br>   | Telephone No.<br>416-544-7608        |
|   | Date (dd-mm-yyyy)<br>31-01-2012      |





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Propane Storage and Handling Regulation

**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-mm-yyyy)<br>2011    | Print Name of Training Provider: Canadian Tire Standard Emergency Training upon hire and yearly refreshers        |
|                                     | Print Name of Instructor:   |
| Target Date (dd-mm-yyyy)<br>Q1 2012 | Print Name of Training Provider: Superior Propane, PTI, FSN, or Alternate Please Note - the PTI just released the |
|                                     | Print Name of Instructor: course material (Dec.) and Canadian Tire  |
| Target Date (dd-mm-yyyy)            | Print Name of Training Provider: agents will be the first to receive this training                                |
|                                     | Print Name of Instructor: scheduled for the 1Q of 2012  |


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

|                                     |  |
|-------------------------------------|--|
| Target Date (dd-mm-yyyy)<br>Q1 2012 | Print Name of Training Provider: Key Site Contact to Train Staff |
|                                     | Print Name of Instructor: to be arranged                         |
| Target Date (dd-mm-yyyy)            | Print Name of Training Provider:                                 |
|                                     | Print Name of Instructor:  |
| Target Date (dd-mm-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-mm-yyyy)<br>TBA as required | Print Name of Training Provider: FSN Training or Alternate Please Note - ROT training is valid for 3 years |
|   | Print Name of Instructor: to be arranged as required   |
| Target Date (dd-mm-yyyy)                    | Print Name of Training Provider:   |
|   | Print Name of Instructor:  |
| Target Date (dd-mm-yyyy)                    | Print Name of Training Provider:   |
|   | Print Name of Instructor:  |

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|  | Date (dd-mm-yyyy)<br>31-01-2012      |





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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<br>Kevin Morden   | For Office Use - Party No. | Name<br>Kevin Morden   | For Office Use - Party No. |
| Official Title<br>Agent  |                            | Official Title<br>Agent  |                            |
| Telephone No.<br>519-884-6896  | Fax No.<br>519-884-6896    | Cell No.<br>519-577-3669   | Fax No.<br>519-884-6896    |
| E-mail<br>1675.waterloo@ctpagent.ca  |                            | E-mail<br>1675.waterloo@ctpagent.ca  |                            |
| Role and responsibilities in emergency<br>Coordinate site response   |                            | Role and responsibilities in emergency<br>Coordinate site response   |                            |
| <b>2. Facility Contact Personnel - Alternate Contact</b>   |                            | <b>6. Name of Facility Manager</b>   |                            |
| Name<br>Ronald Rameshnauth   | For Office Use - Party No. | Name<br>Kevin Morden   | For Office Use - Party No. |
| Official Title<br>Regional Business Manager  |                            | Official Title<br>Agent  |                            |
| Telephone No.<br>416-452-4929  | Fax No.<br>905-257-9093    | Telephone No.<br>work 519-884-6896 or 519-577-3669   | Fax No.<br>519-884-6896    |
| E-mail<br>ronald.rameshnauth@cantire.com   |                            | E-mail<br>1675.waterloo@ctpagent.ca  |                            |
| Role and responsibilities in emergency<br>Coordinate site response if agent is unavailable   |                            | Role and responsibilities in emergency<br>Coordinate site response   |                            |
| <b>3. Local Fire Services - Key Contact</b>  |                            | <b>7. Propane Supplier Key Contact Person</b>  |                            |
| Name<br>Lyle Quan  | For Office Use - Party No. | Name<br>Superior Propane Hotline   | For Office Use - Party No. |
| Official Title<br>Fire Chief   | E-mail<br>N/A              | Official Title   | E-mail                     |
| Telephone No.<br>519-884-2121  | Fax No.<br>519-884-0242    | Telephone No.<br>1-877-873-7467  | Fax No.                    |
| Role and responsibilities in emergency<br>Coordinate/advise on Fire Service response and liaise with police and CTC contact.             |                            | Role and responsibilities in emergency<br>Identify and dispatch Superior Propane and or LPERGC emergency response personnel as required. |                            |
| Fire Services Address<br>Waterloo Fire Dept Headquarters 470 Columbia Street W Waterloo ON N2T 2Y6                                       |                            | Propane Supplier Address<br>251 Woodlawn Road West, Unit 217, Guelph, ON   |                            |
| <b>4. Local Fire Services - Alternate Contact</b>  |                            | <b>8. Municipal Contact</b>  |                            |
| Name<br>Jamie Zimmerman  | For Office Use - Party No. | Name<br>Susan Greatrix   | For Office Use - Party No. |
| Official Title<br>Deputy Fire Chief - Prevention   | E-mail<br>N/A              | Official Title<br>City Clerk   |                            |
| Telephone No.<br>519-884-2121  | Fax No.<br>519-884-0242    | Telephone No.<br>519-747-8705  | Fax No.<br>519-747-8510    |
| Role and responsibilities in emergency<br>Alternate - Coordinate/advise on Fire Service response and liaise with police and CTC contact. |                            | E-mail<br>susan.greatrix@waterloo.ca   |                            |
| Fire Services Address<br>Waterloo Fire Dept Headquarters 470 Columbia Street W Waterloo ON   |                            | Municipality Name and Address<br>100 Regina Street South, Waterloo, ON N2J 4A8   |                            |

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|   | Date (dd-mm-yyyy)<br>Revised 16-04-2012 |



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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 type="checkbox"/>            | <input checked="" 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>80 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>                          |                          |

**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)<br>John Lastoria | Official Title<br>E H & S Specialist |                                 |
| Signature<br>   | Telephone No.<br>416-544-7608        | Date (dd-mm-yyyy)<br>31-01-2012 |



**Technical Standards and Safety Authority**  
www.tssa.org

14th Floor - Centre Tower  
3300 Bloor Street West  
Toronto Ontario M8X 2X4  
Fax: 416.231.4903  
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**

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-mm-yyyy)<br>19-12-2011                          | Capacity of single largest propane storage vessel (USWG)<br>2000 USWG |
| Tank setback coordinates. Indicate placement on the map.              |   |
| Front: 23 m   | Right side property line: 57 m  |
| Rear: 45 m  | Left side property line: 23 m   |
| GPS coordinates of single largest vessel: Lat. 43.4848 Long. -80.5245 |   |

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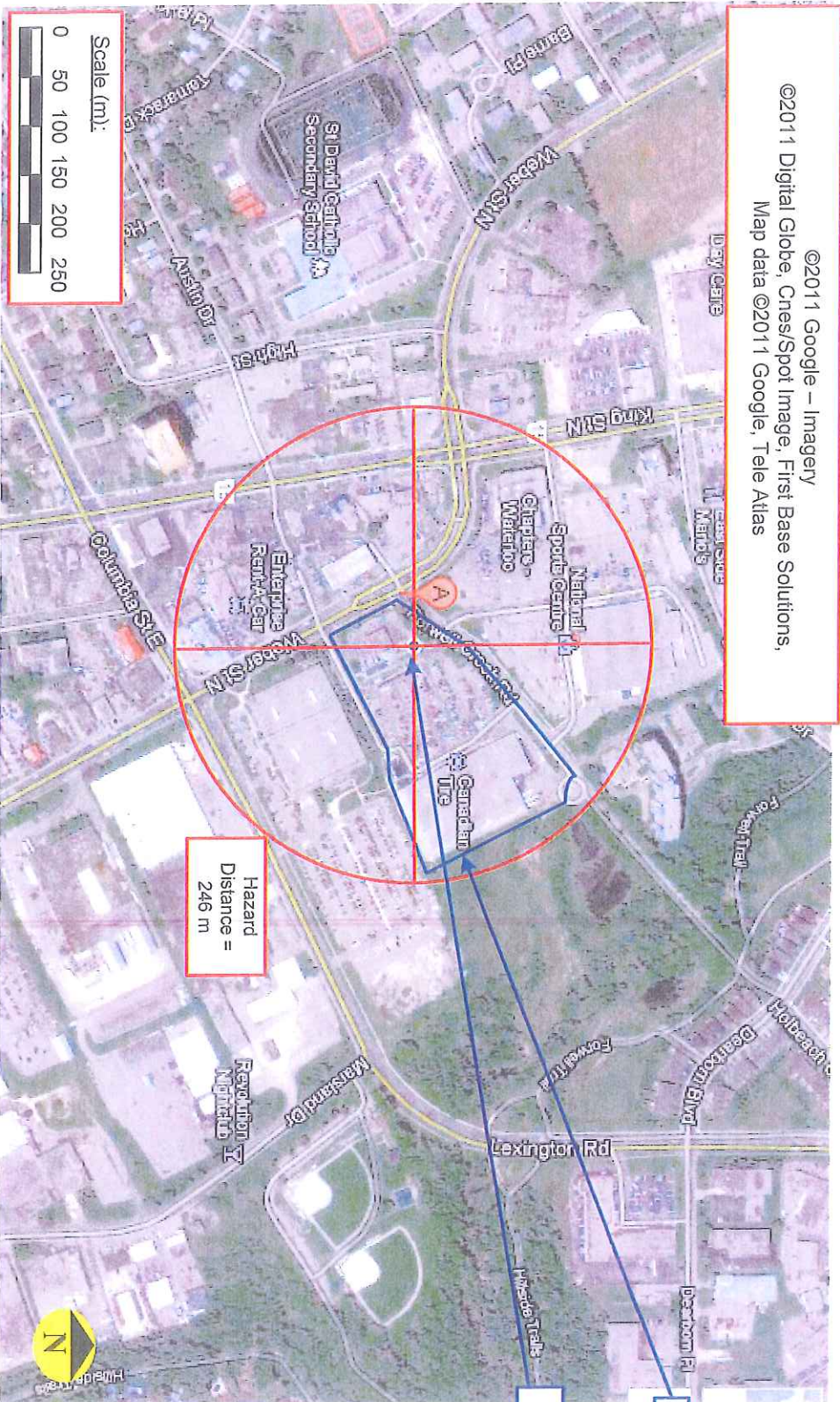
|   |                                      |
|---|--------------------------------------|
| Name of person completing this form (please print)<br>John Lastoria | Official Title<br>E H & S Specialist |
| Signature<br>   | Telephone No.<br>416-544-7608        |
|   | Date (dd-mm-yyyy)<br>31-01-2012      |







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 ©2011 Digital Globe, Cnes/Spot Image, First Base Solutions,  
 Map data ©2011 Google, Tele Atlas



Hazard Distance = 246 m

2000 USWG Propane Tank  
 Site Boundary

Setback Distances to Site Boundary  
 North: 23 m East: 45 m  
 South: 57 m West: 23 m

Capacity of Propane Storage Tank = 2000 USWG

GPS Co-ordinates = 43.484765, -80.524485

Denoted by circle centred on tank; radial distance = 246 m

Municipality (ies) within the 1 psi overpressure circle:  
 City of Waterloo

Municipal Contact:  
 Susan Greatrix, City Clerk  
 100 Regina Street South  
 Waterloo, ON, N2J 4A8  
 Tel: 519 747 8705 Ext.: Fax: 519 747 8510  
 Email: susan.greatrix@waterloo.ca/www.waterloo.ca

**Map of Surrounding Area**

Canadian Tire 1675  
 400 Weber Street North, Waterloo, ON, N2J 3J3  
 PT LT 41 GERMAN COMPANY TRACT CITY OF  
 WATERLOO PROVINCE OF ONTARIO

Drawn by: G. Brindisi Date: December 19, 2011





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**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

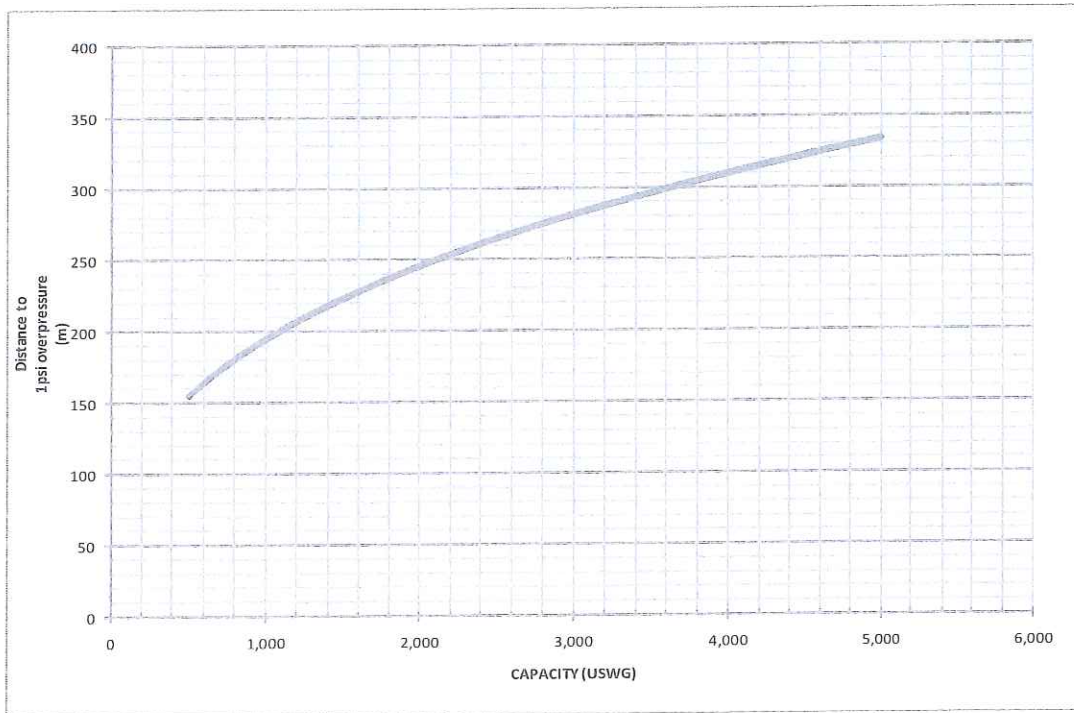
Table 1: Distance Table

| 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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*Technical Standards and Safety Act*  
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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              | 108      | 626.4 USWG           |
| # 10                           | 2.9              |          |                      |
| # 5                            | 1.5              |          |                      |
| <b>Total Cylinder Capacity</b> |                  |          | <b>627 USWG</b>      |

Tanks Stored On-site Not Connected for Use

| Tank Size In USWG          | Quantity | Total Volume in USWG |
|----------------------------|----------|----------------------|
| 2000 USWG                  | 1        | 2000 USWG            |
|                            |          |                      |
|                            |          |                      |
|                            |          |                      |
|                            |          |                      |
|                            |          |                      |
|                            |          |                      |
|                            |          |                      |
| <b>Total Tank Capacity</b> |          | <b>2000 USWG</b>     |

|   |           |
|---|-----------|
| <b>Total Cylinder Capacity</b>  | 627 USWG  |
| <b>Total Tank Capacity</b>  | 2000 USWG |
| <b>Total Portable Capacity</b><br>(Total Cylinder Capacity + Total Tank Capacity) | 2627 USWG |



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

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

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

**Table 2: Buildings and Features**

| Buildings and Features Present within the Circle on the Map of the Surrounding Area<br>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+ |   |
| <input type="checkbox"/> Industrial buildings or parks or golf courses<br>Name: <u>None within Hazard Distance</u><br>Address: _____<br>City: _____ Province _____ Postal Code _____   | X   |   |      |     | <u>0</u> m  |
| <input type="checkbox"/> Residential building units specifically permanent single family dwellings, condominiums, and apartments.<br>[Redacted]  |   | X |      |     | <u>240</u> m                                      |
| <input type="checkbox"/> Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes.<br>Name: <u>Canadian Tire Warehouse Store and numerous other businesses in the immediate area</u><br>Address: <u>Weber Street and Forwell Creek Road</u><br>City: <u>Waterloo</u> Province <u>ON</u> Postal Code _____ |   |   |      | X   | <u>30</u> m                                       |
| <input type="checkbox"/> Commercial building units <input type="checkbox"/> continuous occupancy specifically hotels, campgrounds, and resorts.<br>Name: <u>None within Hazard Distance</u><br>Address: _____<br>City: _____ Province _____ Postal Code _____  | X   |   |      |     | <u>0</u> m  |
| <input type="checkbox"/> Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons.<br>Name: <u>None within Hazard Distance</u><br>Address: _____<br>City: _____ Province _____ Postal Code _____  | X   |   |      |     | <u>0</u> m  |
| <input type="checkbox"/> Emergency responders specifically fire stations, ambulance stations, and police stations.<br>Name: <u>Future Police Station to be located at the corner of Columbia St. E and Webber St. N</u><br>Address: _____<br>City: _____ Province _____ Postal Code _____  |   | X |      |     | <u>240</u> m                                      |

\* For multi-unit buildings, count each unit as "1".

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|   |   |
|---|---|
| Name of person completing this form (please print)<br>John Lastoria | Official Title<br>E H & S Specialist    |
| Signature<br><i>Revised by Kilmey Superior Propane</i>              | Telephone No.<br>416-544-7608           |
|   | Date (dd-mm-yyyy)<br>Revised 16-04-2012 |



CANADIAN TIRE 1675  
400 Weber St. North  
Waterloo, ON N2J 3J3

PROPAANE TANK  
(2000 USWG)

GASOLINE DISPENSERS  
& KIOSK

PROPAANE CYLINDER  
CAGES

UNDERGROUND  
GASOLINE TANK  
(150,000 Litres)

WEBER STREET

PROPERTY  
LINE

⊕ FIRE EXTINGUISHER

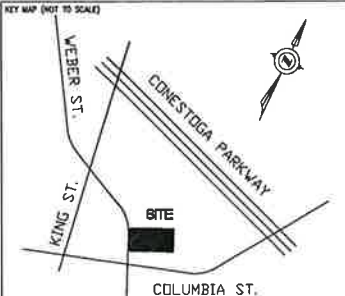
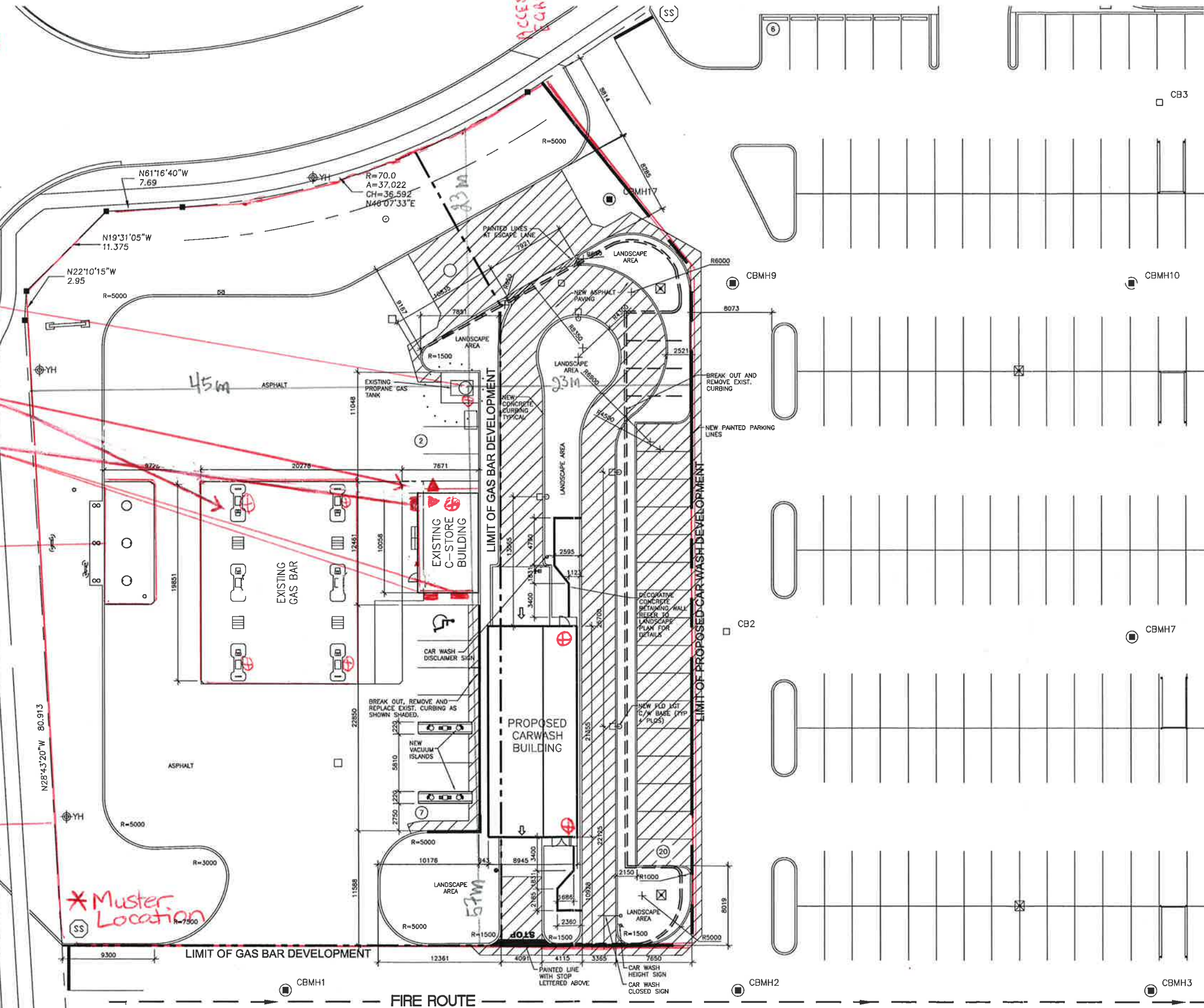
⊕ FIRE HYDRANT

▶ EMERGENCY STOP  
BUTTON

ACCESS/EGRESS

\* Muster  
Location

ACCESS  
EGRESS



**GAS BAR SITE STATISTICS**

|                         |   |   |
|-------------------------|---|---|
| C/S STORE SITE AREA     | 32,287 m <sup>2</sup> (1.27 acre)         |   |
| GAS BAR SITE AREA       | EXISTING 3,448 m <sup>2</sup>             | PROPOSED 4,565 m <sup>2</sup>               |
| GROUND FLOOR AREA       | EXISTING C-STORE 82 m <sup>2</sup> (1.45) | PROPOSED CAR WASH 107 m <sup>2</sup> (2.25) |
| TOTAL GROUND FLOOR AREA | 189 m <sup>2</sup> (3.68)                 |   |
| PARKING                 | REQUIRED 7 SPACES                         | EXISTING 8 SPACES                           |
|                         |   | NO CHANGE                                   |
| TOTAL PARKING           | 8 SPACES                                  |   |
| CAR WASH STACKING       | REQUIRED 13 WORKLES                       | PROPOSED 19 WORKLES                         |
| LANDSCAPING             | EXISTING 2,054 m <sup>2</sup>             | PROPOSED 1,863 m <sup>2</sup>               |
| ZONING                  | ZONE C-1                                  |   |

**GENERAL NOTES**

1) EXISTING INFORMATION TAKEN FROM ARRAY DESIGN DWG. 1475-071 MEXICO

| NO | DESCRIPTION                               | DATE     | BY   |
|----|---|----------|------|
| F  | INTERCEPT PIT REMOVED, PROPOSED INSTALLED | 07/12/01 | J.C. |
| E  | RE-CALLED FOR SITE PLAN APPROVAL          | 06/15/01 | J.C. |
| D  | ESCAPE LANE ADDED                         | 05/23/01 | J.C. |
| C  | STACKING PLAN REVISOR                     | 05/20/01 | J.C. |
| B  | ADDED LANE FOR EXTRA STACKING IN CARWASH  | 05/18/01 | J.C. |
| A  | RELEASED FOR SITE PLAN APPROVAL           | 05/07/01 | J.C. |

**REVISIONS**

| NO | DESCRIPTION | DATE | BY |
|----|-------------|------|----|
|    |             |      |    |

BCA Total Engineering Solutions  
CONSULTANTS BRAMPTON (403) 688-1110 FAX: (403) 688-1478



CANADIAN TIRE PETROLEUM  
17th FLOOR, 2180 YONGE STREET, TORONTO, ONTARIO, M4S 2B9 (416) 460-3000

SITE PLAN

400 WEBER STREET  
WATERLOO - ONTARIO

SCALE 1:200 DATE APRIL 26, 2001  
DRAWN BY J.C. REVISION F

1675 SP-2  
EGA PROJ. 1632-15 EGA DWG. 1632SITEF

Contractor must check and verify all dimensions and be responsible for the same, reporting any discrepancies to CANADIAN TIRE PETROLEUM before commencing work.  
PRINTS ARE NOT TO BE SCALED.  
All dimensions are in millimetres unless otherwise specified. To convert METRES TO FEET divide dimension by 0.3048.

SCALE 1:425