



Technical Standards and Safety Authority
 14th Floor - Centre Tower
 3300 Bloor Street West
 Toronto Ontario M8X2X4
 Fax: 416.231.4903
 www.tssa.org 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.

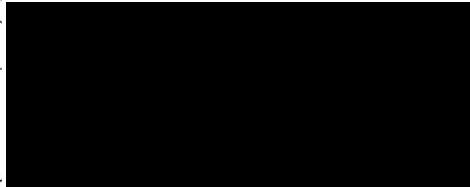
Failure to fully complete this form may result in rejection. Making a false statement may result in a fine or prosecution under the *Technical Standards and Safety Act*

Licence Number: 0076526688-C

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: U-Haul Co. (Canada) Ltd Ontario Corporation No., if applicable: _____

Operator Name (if different from above): _____

Telephone No.: 905-578-9119 Fax No.: _____ E-mail: jackie_rcmyn@uhaul.com

Street No.: 112 Street Name / 911 Number / Address, if applicable: Clarke Rd.

Town / City or Township / County: London Province: Ontario Postal Code: N5W5E1

Mailing address if different from above:

Street No.: 2275 Street Name / 911 Number / Address, if applicable: Barton St.

Town / City or Township / County: Hamilton Province: Ontario Postal Code: L8E2W8

Information on Container Refill Centre or Filling Plant

Location of facility:

Street No.: 112 Street Name / 911 Number / Address, if applicable: Clarke Rd. Nearest Major Intersection: Trafalger

Town / City or Township / County: London Province: Ontario Postal Code: N5W5E1

Name of Licence Holder: U-Haul Co. (Canada) Ltd

Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): John Fisher ROT type: 100-01 (Propane Pump Attendant)

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

Hours of operation: _____

FIRE DEPARTMENT
 FIRE PREVENTION
 RECEIVED

AUG 2 '3 2011

BY: [Signature] 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.

REPAIRED TO:

Name of Licence Holder: <u>U-Haul Co. (Canada) Ltd</u>	Print name: _____	Signature: <u>[Signature]</u>	Date (dd-mm-yyyy): <u>19-01-2012</u>
Name of Senior Management person as defined in the Regulation holding the Record of Training: <u>John Fisher</u>	_____	_____	_____



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SECTION A: GENERAL INFORMATION (cont'd)

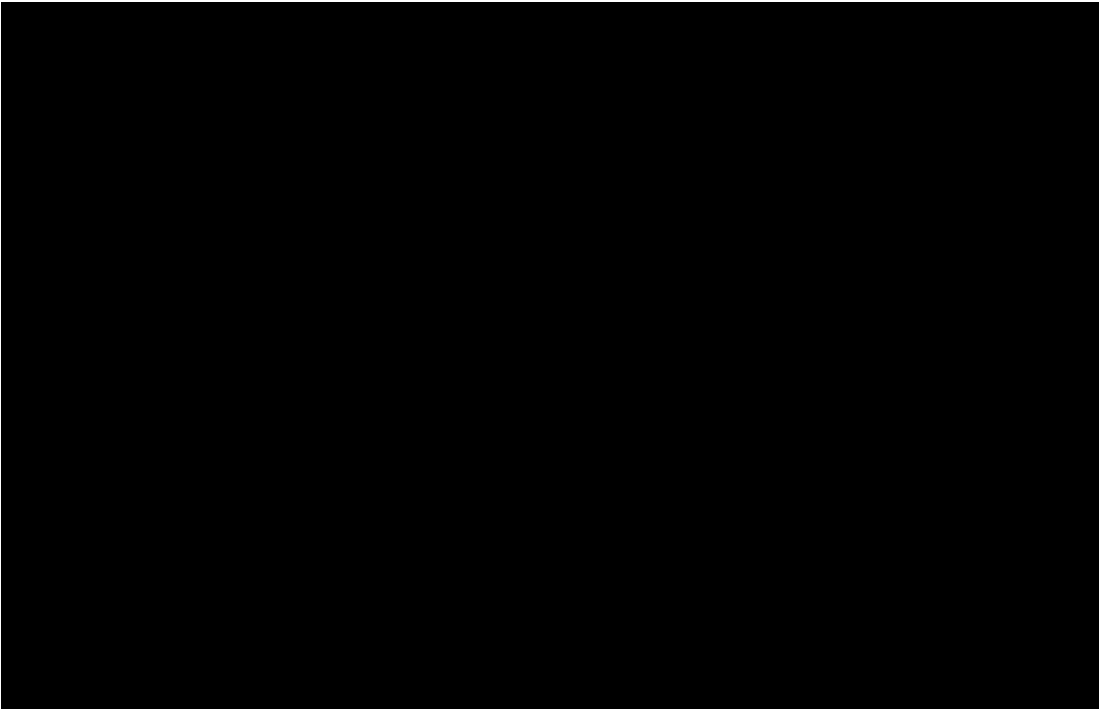
Indicate the year the facility was established. 1987
Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. N/A

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

	PSIG	Serial Number
Tank 1:	250 PSIG	593233
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: 0 USWG Mobile: 0 USWG



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Name of person completing this form (please print) Jackie Romyn	Official Title Executive Assistant
Signature 	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 18/01/2012



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SECTION A: GENERAL INFORMATION (cont'd)
Activity Information

Name of Propane Supplier(s) Superior Propane- Ontario Regional Operations Centre		
Street No. Street Name / Bldg / Unit / Suite / Address, if applicable 251 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 Mike Mullins
E-mail mullinsm@superiorpropane.com		

Name of Propane Transporter. If same as above, please check box. <input type="checkbox"/>		
Superior Propane - Guelph Bulk Propane Yard		
Street No. Street Name / Bldg / Unit / Suite / Address, if applicable 7022 Wellington Road 124		
Town / City or Township / Country Guelph	Province Ontario	Postal Code N1H 6L3
Telephone No. 1-877-873-7467	Fax No. N/A	Contact Name Jason Swan
E-mail swanj@superiorpropane.com		

Off-site Cylinder and/or Mobile Storage N/A	Capacity stored off-site, in USWG N/A	For Office Use - Party No.
Street No. Street Name / Bldg / Unit / Suite / 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) Jackie Romyn	Official Title Executive Assistant
Signature 	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 15/01/2012



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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.
N/A

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

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.
Fusible Link on the ISC Valve, Manual Shutoff (Remote E-Stop button in office)

Maintenance and testing schedule for fire protection controls and devices.
Maintenance and Testing will be undertaken by Superior Propane according to its Maintenance Standard

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Name of person completing this form (please print) Jackie Romyri	Official Title Executive Assistant
Signature <i>[Handwritten Signature]</i>	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 18/01/2012



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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 Brienne Mulcahy	For Office Use - Party No.	Name Brienne Mulcahy	For Office Use - Party No.
Official Title General Manager		Official Title General Manager	
Telephone No. (519) 452-3390	Fax No. N/A	Cell No. 519-871-2441	Fax No. N/A
E-mail brienne_mulcahy@uhaul.com		E-mail brienne_mulcahy@uhaul.com	
Role and responsibilities in emergency Incident Commander		Role and responsibilities in emergency Incident Commander	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Ryan Hillier	For Office Use - Party No.	Name Brienne Mulcahy	For Office Use - Party No.
Official Title Customer service rep.		Official Title General Manager	
Telephone No. 519-659-9136	Fax No. N/A	Telephone No. (519) 452-3390	Fax No. N/A
E-mail		E-mail brienne_mulcahy@uhaul.com	
Role and responsibilities in emergency Alternate incident commander		Role and responsibilities in emergency Incident Commander	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name John Kobarda	For Office Use - Party No.	Name Superior Propane HotLine	For Office Use - Party No.
Official Title Fire chief		Official Title	
Telephone No. 519-661-6507	Fax No. 519-661-8419	Telephone No. 1-877-873-7467	Fax No.
E-mail jkobarda@london.ca		E-mail	
Role and responsibilities in emergency Review and provide guidance on fire safety emergency response and preparedness		Role and responsibilities in emergency Supplier Contact	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Brian George	For Office Use - Party No.	Name Cathy Saunders	
Official Title Deputy Fire Chief		Official Title City clerk	
Telephone No. 519-661-6507 x 5620	Fax No. 519-661-8419	Telephone No. 519-661-2500 x 4937	Fax No. 519-661-5813
E-mail bgeorge@london.ca		E-mail csaunders@london.ca	
Role and responsibilities in emergency Review and provide guidance on fire safety emergency response and preparedness		Municipality City of London	

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Name of person completing this form (please print) Jackie Romy	Official Title Executive Assistant
Signature 	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 20-03-2012



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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.

N/A

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Signature 	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 18/01/2012



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

8: 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)	Print Name of Training Provider: U-Haul Co. Canada Ltd.
06-17-2010	Print Name of Instructor: Brian Leech
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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

Training Date (dd-mm-yyyy)	Print Name of Training Provider: U-Haul Co. Canada Ltd.
06-18-2010	Print Name of Instructor: Joe Cammaleri
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	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)	Print Name of Training Provider: U-Haul Co. Canada Ltd.
06-18-2010	Print Name of Instructor: Joe Cammaleri
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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Name of person completing this form (please print)	Official Title
Jackie Romyn	Executive Assistant
Signature	Telephone No.
	905-578-9119
	Date (dd-mm-yyyy)
	18/01/2012



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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-mm-yyyy) 09-15-2011	Print Name of Training Provider: U-Haul Co. (Canada) Ltd. Print Name of Instructor: Brian Leech
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:

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

Target Date (dd-mm-yyyy) 09-15-2011	Print Name of Training Provider: U-Haul Co. (Canada) Ltd. Print Name of Instructor: Brian Leech
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) 09-15-2011	Print Name of Training Provider: U-Haul Co. (Canada) Ltd. Print Name of Instructor: Brian Leech
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) 18/10/2012



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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.

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).
 Incident Commander / Floor Warden will contact local fire authorities immediately.

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).

Floor Warden direct all staff and visitors to leave the building via the safest route, inspect area that all staff and visitors have evacuated. Ensure that all employees and visitors have assembled in the safe area at the corner of Clarke Rd. and Gore Rd. Floor warden will report the status of there section to the Incident Commander. The Incident Commander will advise the Fire Dept. of any individuals remaining in the location.

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).

Verbal warning will be given and the incident commander will place the call to 911.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.
 Site is open and no obstructions to Propane Facility.

Describe how the licence holder will ensure continual flow of updated information to authorities.
 The Incident Commander will Liaise with the Fire Department to provide any assistance that they require and ensure that the emergency operation centre is staffed.

How long will it take the facility liaison person to respond to the site.
 15 minutes

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	Date (dd-mm-yyyy) 18/01/2012



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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 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" 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>15m</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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	Date (dd-mm-yyyy) 18/01/2012



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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.

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services

Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?

Yes No

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

Fire services comments, if any:

PLEASE SEE LONDON FIRE DEPARTMENT AUDIT GUIDE ATTACHED.

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-mm-yyyy)

LOCAL FIRE SERVICES

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

Print name	Signature	Date (dd-mm-yyyy)
Local Fire Services Name		

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Name of person completing this form (please print) Jackie Romyn	Official Title Executive Assistant	
Signature <i>Jackie Romyn</i>	Telephone No. 905-578-9119	Date (dd-mm-yyyy) 18/01/2012



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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-mm-yyyy) 18-07-2011	Capacity of single largest propane storage vessel (USWG) 2000 USWG
Tank setback coordinates. Indicate placement on the map.	
Front: 10m	Right side property line: 25m
Rear: 50m	Left side property line: 3m
GPS coordinates of single largest vessel: 42.987105, -81.166644	

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Name of person completing this form (please print) Jackie Romyn	Official Title Executive Assistant
Signature 	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 2003-2012



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SECTION C: SUBMISSIONS (cont'd)

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

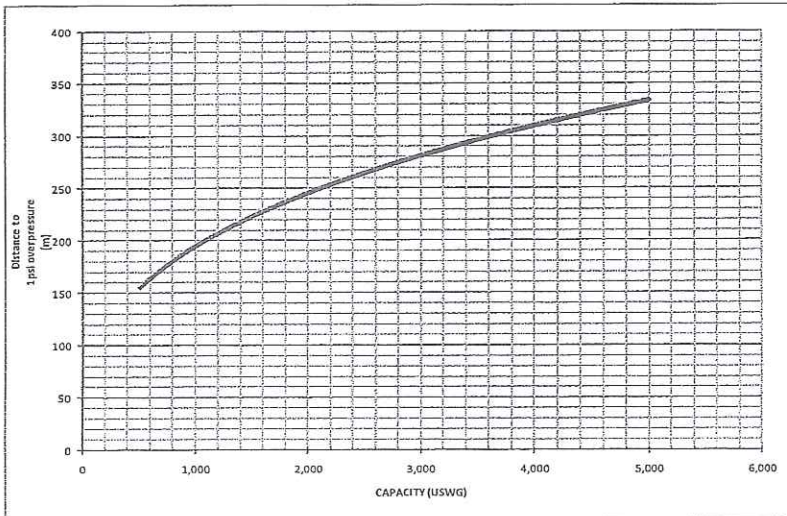
Table 1: Distance Table

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

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

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

Hazard Distance Chart (EPA-TNT model)



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Name of person completing this form (please print) Jackie Romyn	Official Title Executive Assistant
Signature <i>[Handwritten Signature]</i>	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 18/01/2012



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SECTION C: SUBMISSIONS (cont'd)

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

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

Table 2: Buildings and Features

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: <u>Zubicks scrap metal</u> Address: <u>105 Clarke Road</u> City: <u>London</u> Province <u>Ont.</u> Postal Code <u>N5W 5C9</u>		X			<u>50</u> m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. [Redacted]		X			<u>35</u> m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ 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) Jackie Romyn	Official Title Executive Assistant
Signature 	Telephone No. 905-578-9119
	Date (dd-mm-yyyy) 18/01/2012



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X2X4
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 (cont'd)

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

Portable Storage Additional Information Sheet

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

Tanks Stored On-site Not Connected for Use

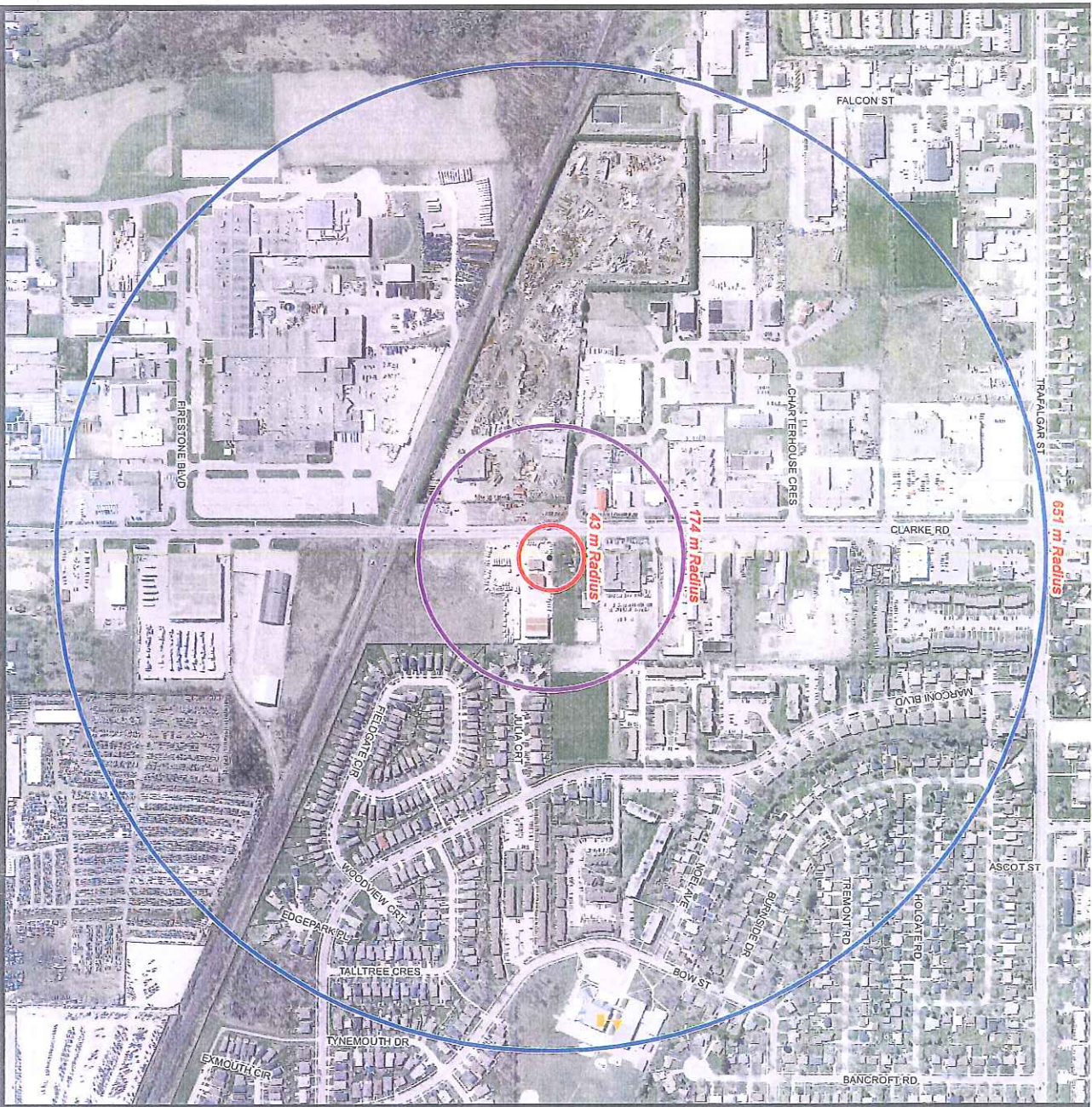
Tank Size In USWG	Quantity	Total Volume In USWG
	N/A	
Total Tank Capacity N/A		

Total Cylinder Capacity	2000 USWG
Total Tank Capacity	N/A
Total Portable Capacity	N/A

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) Jackie Romyn	Official Title Executive Assistant	Date (dd-mm-yyyy) 18/01/2012
Signature 	Telephone No. 905-578-9119	

112
CLARKE RD
TSSA LICENSED PROPANE SITE
BLAST ZONES



APRIL 2010 AERIAL PHOTO

- Propane Site
- City Boundary
- Fire Ball Radius
- Firefighter Minimum Distance Radius
- Minimum Evacuation Radius

CRITICAL INFRASTRUCTURE

- | | |
|---|---|
| <ul style="list-style-type: none"> ▲ Airport ▲ Critical Industrial Infrastructure ▲ Critical Urban Infrastructure ▲ Radio Towers ▲ Hospitals | <ul style="list-style-type: none"> ● Arena ▲ Active Landfill (W12A) ■ City Hall ■ City Waterworks ■ Community Services ■ Offices & Other Municipal Uses ■ Operations Centre ■ Pollution Control Plants & Facilities |
|---|---|

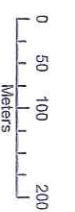
- | | | |
|---|---|--|
| <ul style="list-style-type: none"> ▲ School Facilities ▲ Post Secondary ▲ Secondary ▲ Elementary ▲ Private | <ul style="list-style-type: none"> ▲ First Responders ▲ Police Station ▲ Fire Station ▲ EMS Station ▲ Fire & EMS Station (shared facility) | <ul style="list-style-type: none"> ▲ Other Government Facilities ▲ Provincial Facilities ▲ Federal Facilities ▲ Courts |
|---|---|--|

VULNERABLE INFRASTRUCTURE

- ▲ Childcare Facilities
- ▲ Retirement Homes & Care Facilities



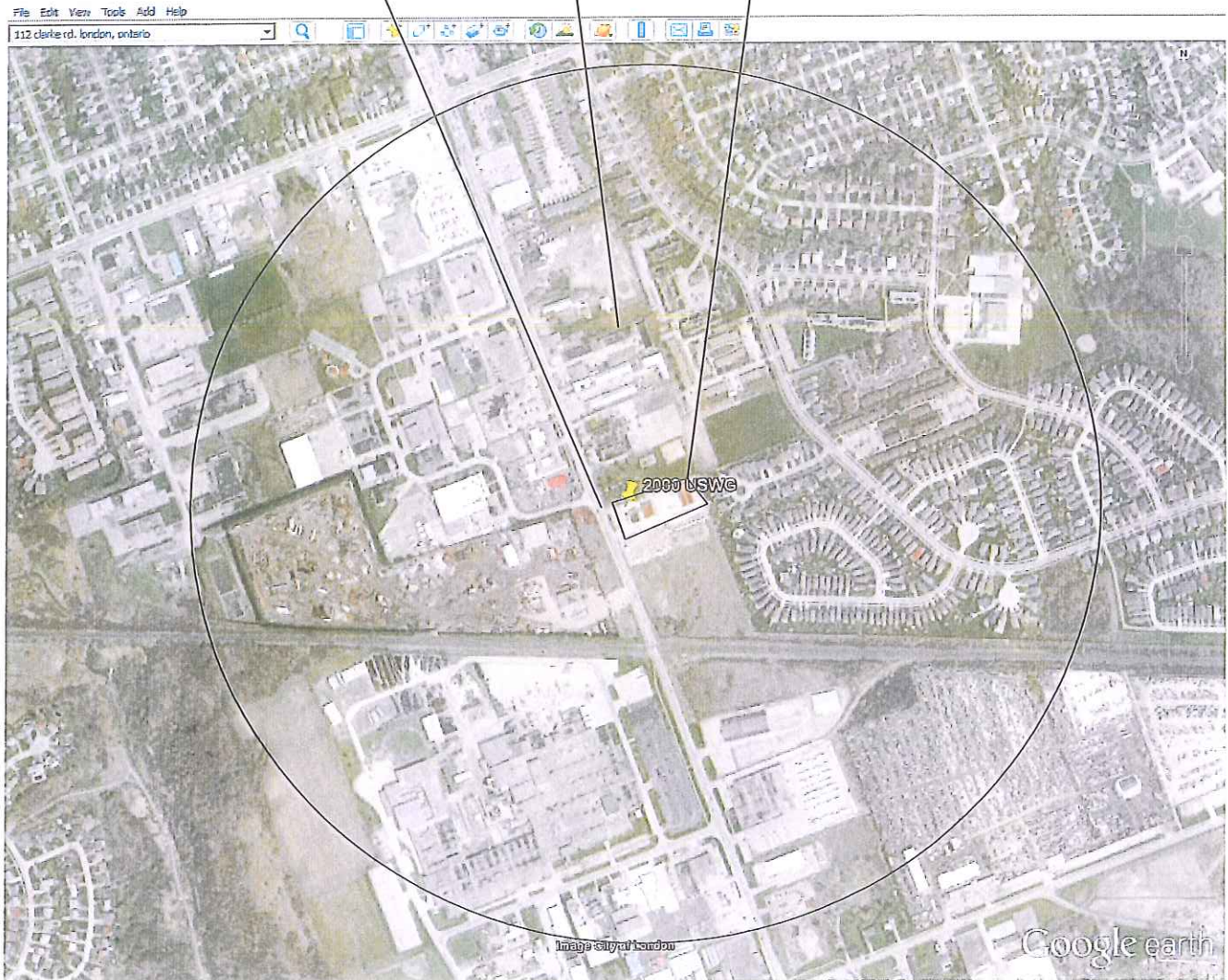
PREPARED BY: Development, Planning & Policy (DPAU)
 CREATION DATE: April 1, 2011
 LOCATION: Julia Highway/Planer/Procter, DPAU
 d:\propane_site\proj_location_buffers\CDVA\BASSETT\proch1
 112 CLARKE RD\propane_site_buffers\planer\



City of London.

Clarke Rd.

Property lines



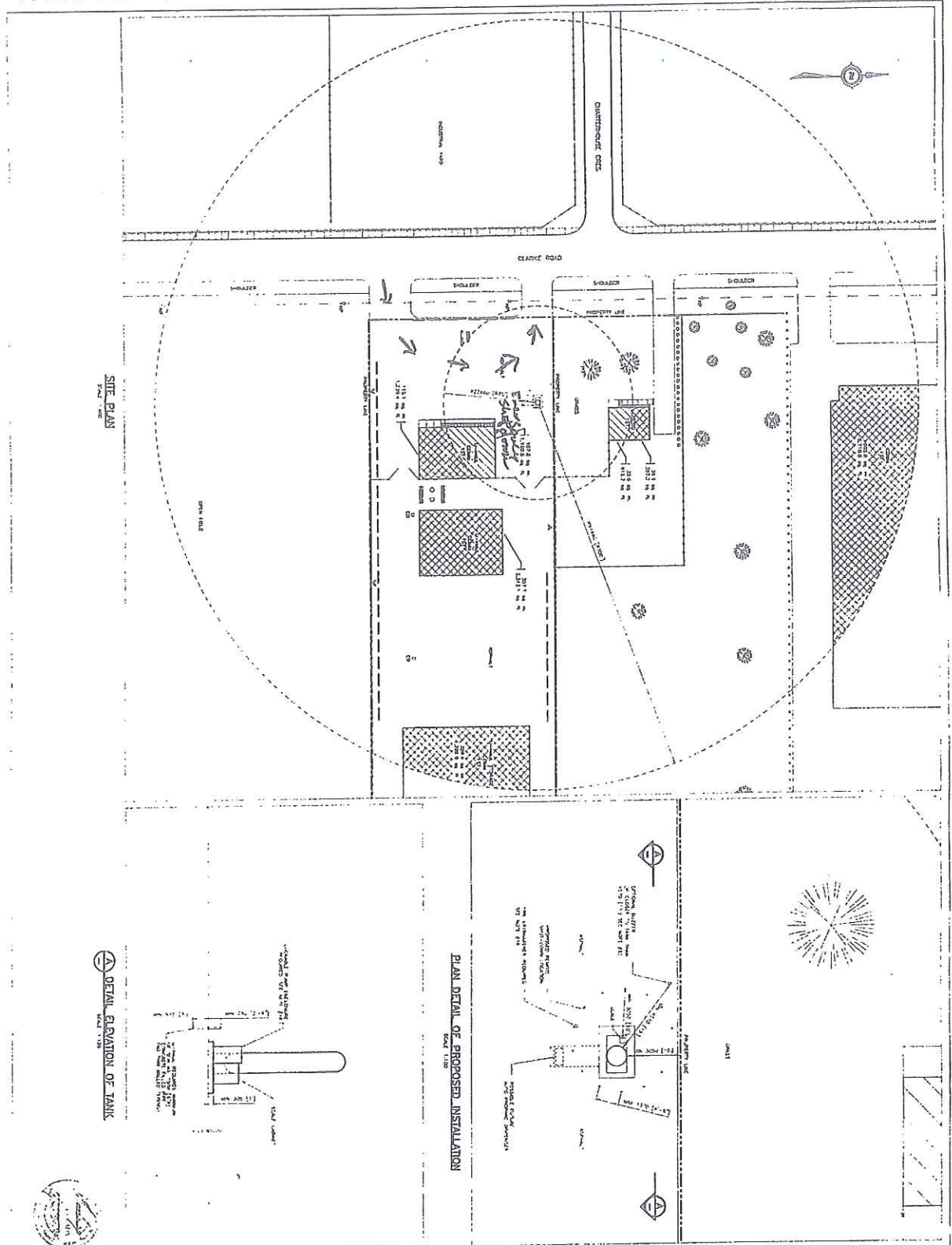
Address: 112 Clarke Rd. London, Ontario N5W5E1

GPS: 42.987105, -81.166644

Setbacks: Front – 10m, Rear – 50m, Right – 25m, Left – 3m

Radius: 651 m

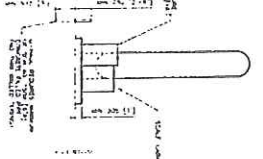
Municipal Contact: Cindy Saunders, City clerk, 300 Dufferin Ave. (519)661-2500 x4937



PLAN DETAIL OF PROPOSED INSTALLATION

SITE PLAN

DETAIL ELEVATION OF TANK



NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL BUILDING CODE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL PLUMBING CODE.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL MECHANICAL AND HVAC CODE.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL ELECTRICAL CODE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SOFTWOOD LUMBER AND DIMENSIONS.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL CONCRETE AND MASONRY.
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL STEEL ERECTORS.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL WOOD PRESERVATION.
9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SAFETY.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL FIRE PROTECTION.
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL ENERGY CONSERVATION.
12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL TRANSPORTATION.
13. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL CRIMINAL JUSTICE.
14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SECURITY.
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SPECIALTY CONTRACTORS.
16. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL TRADES.
17. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL PROFESSIONAL SERVICES.
18. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SUPPLY.
19. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL LABOR.
20. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL ENVIRONMENTAL.
21. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL HEALTH AND SAFETY.
22. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL QUALITY.
23. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL COST.
24. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SCHEDULE.
25. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL COMMUNICATION.
26. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL LEGAL.
27. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL POLITICAL.
28. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL ECONOMIC.
29. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL SOCIAL.
30. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2000 INTERNATIONAL CULTURAL.

PROPOSED EXISTING STANDARD MATERIALS & DIMENSIONS

Item	Description	Quantity	Unit
1	CONCRETE	1,200	cu yd
2	STEEL	100	lb
3	WOOD	500	sq ft
4	GLASS	200	sq ft
5	PAINT	100	gal
6	PLASTER	100	sq yd
7	ROOFING	100	sq ft
8	INSULATION	100	cu ft
9	MECHANICAL	100	sq ft
10	ELECTRICAL	100	sq ft
11	PLUMBING	100	sq ft
12	HEATING	100	sq ft
13	Cooling	100	sq ft
14	Lighting	100	sq ft
15	SOUND	100	sq ft
16	Security	100	sq ft
17	Accessibility	100	sq ft
18	Signage	100	sq ft
19	Landscaping	100	sq ft
20	Site Preparation	100	sq ft
21	Foundation	100	sq ft
22	Structural	100	sq ft
23	Interior	100	sq ft
24	Exterior	100	sq ft
25	Roof	100	sq ft
26	Floor	100	sq ft
27	Wall	100	sq ft
28	Window	100	sq ft
29	Door	100	sq ft
30	Stair	100	sq ft
31	Elevator	100	sq ft
32	Escalator	100	sq ft
33	Platform	100	sq ft
34	Handrail	100	sq ft
35	Sign	100	sq ft
36	Light	100	sq ft
37	Vent	100	sq ft
38	Chimney	100	sq ft
39	Flue	100	sq ft
40	Stack	100	sq ft
41	Drain	100	sq ft
42	Sanitary	100	sq ft
43	Vent	100	sq ft
44	Roof	100	sq ft
45	Floor	100	sq ft
46	Wall	100	sq ft
47	Window	100	sq ft
48	Door	100	sq ft
49	Stair	100	sq ft
50	Elevator	100	sq ft

U-HAUL

ALTENG Inc.
 Alternative Energy Consulting
 1234 Main Street, Suite 100
 Denver, CO 80202
 Phone: (303) 555-1234
 Fax: (303) 555-5678
 www.alteng.com

PROPOSED 2000 USMC PROJECT 1424
 C/P/ CHURCH REITAL SCALE
 22060K

112 Clarke Rd



Flow Test 09-31 at hydrant H5192

**WATER SUPPLY DEPARTMENT
FLOW TESTS**

H5192
09-31

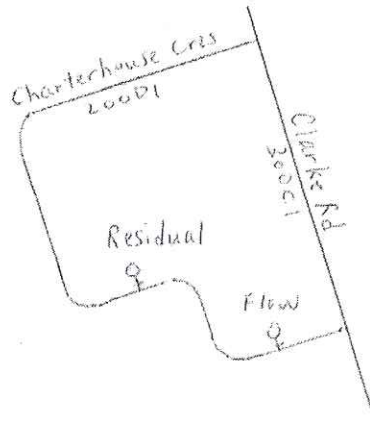
DATE Tuesday August 4, 2009
 TIME 13:00
 TEST BY R. Amorguila and J. Nethercott
 REQUESTED BY EM Global (Richard ph 416 858 4709)
 LOCATION Charterhouse Cres.

TEST NUMBER	FLOW			TOTAL FLOW U.S.G.P.M.	RESIDUAL PRESSURE P.S.I.	STATIC PRESSURE P.S.I.
	OUTLET SIZE	PITOT READING P.S.I.	INDIVIDUAL FLOW U.S.G.P.M.			
1	2 1/2	45	1125	1125	56	63
	2 1/2	29	905			
2	2 1/2	29	905	1810	51	
	2 1/2	29	905			
3						
4						

VALVE SHEET: 86-59
 CHLORINE RES: 0.62 mg/l



SKETCH



The attached information on City of London water services does not purport to set forth all information nor to indicate that other information does not exist. By issuing this information report, neither the City nor any of its employees makes any warranty, express or implied, concerning the location, type or extent of services described in this report. Furthermore, neither the City nor any of its employees shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this information or incomplete information.