

# City of Guelph - Waste Survey Report

## SECTION 1 - GENERAL INFORMATION

Organization/Facility: Princess Auto

Brief description of process, activities, and products:

Commercial retail store (0.28ha) selling products related to automotive shop and garage, hydraulics, farm, and outdoor recreational.

Property Address: 81 Royal Road

Phone number: 205.667.4630

Other Guelph locations: ☒ No

☐ Yes, Details:

Person responsible for effluent control: Jennifer Benedictson

Contact number: 204.771.3182

After hours contact number: 204.771.3182

Facility is: ☐ Owned

☒ Leased/rented

Facility owner: IJK Holding Inc

Owner representative: Brad Ireland

Contact number: 519.822.5401

After hours contact number: 519.822.5401

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## SECTION 2 – INDUSTRIAL WASTEWATER PROCESSES ON SITE

If the facility has activities and processes that generate industrial wastewater, please complete this section and Section 3. Otherwise, if not applicable, proceed to Section 4.

Number of employees in Plant/Facility:

Number of employees in Office:

Does the facility operate continuously? ☐ Yes

☐ No, number of days/week:

Daily shift times:

Are major processes: ☐ Continuous ☐ Batch ☐ Both

Does production vary seasonally? ☐ No

☐ Yes, details:

Brief description of clean-up activities:

☐ Daily:

☐ Weekly:

☐ Other:

Provide process flow diagrams to show the equipment used and waste discharge points.

☐ Included with this Waste Survey Report

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## SECTION 3 – WASTE CHARACTERISTICS

List all sources of water supply:

Maximum water consumption:

m<sup>3</sup>/day

m<sup>3</sup>/month

In the table below, identify the type, origin and estimated volume of wastewater discharged (check all that apply):

*\*Volume may be expressed as a percentage of average total volume discharged per day.*

☐

additional documentation included with this Waste Survey Report

Type	Origin	Estimated Volume
<input type="checkbox"/> Wash water		
<input type="checkbox"/> Boiler blowdown		
<input type="checkbox"/> Sanitary		
<input type="checkbox"/> Non-contact cooling		
<input type="checkbox"/> Contact cooling		
<input type="checkbox"/> Process		
<input type="checkbox"/> Other		

In the table below, indicate where waste is discharged to (check all that apply):

☐

additional documentation included with this Waste Survey Report

Where	Type
<input type="checkbox"/> Sanitary sewer	
<input type="checkbox"/> Storm sewer	
<input type="checkbox"/> Surface water	
<input type="checkbox"/> Evaporation	
<input type="checkbox"/> Other	

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Description of the characteristics of the wastewater generated and discharges to the above, according to the parameters as set out in the City of Guelph's Sewer Use By-law.

☐ Supporting documentation included with this Waste Survey Report

☐ Meets By-law

☐ Exceeds By-law

## Ontario Regulation 347 Information

Generator Registration Number:

Description of waste(s):

Generating process:

Waste Class(es):

Waste Hauler:

Disposal Site:

Pre-Treatment

Pre-treatment devices or processes used for treating waste or sludge before discharge to the sanitary sewer system (please check as many as are appropriate):

☐ Air Flotation

☐ Biological Treatment - Type:

☐ Centrifuge

☐ Chemical precipitation

☐ Chlorination

☐ Cyclone

☐ Filtration

☐ Flow equalization

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☐ Grease or oil separator

☐ Grease trap

☐ Grit removal

☐ Ion exchange

☐ Neutralization, pH correction

☐ Ozonation

☐ Reverse osmosis

☐ Screening

☐ Sedimentation

☐ Septic tank

☐ Solvent separation

☐ Spill protection

☐ Sump

☐ Other chemical treatment – type:

☐ Other physical treatment – type:

☐ Other - type

☐ No pre-treatment

## SECTION 4 – PHYSICAL LAYOUT

Provide a drawing or sketch of the property (to scale or approximate) to show buildings, pre-treatment works (if applicable), property boundaries, effluent lines, storm and sanitary connections including manholes and catch basins.

☒ Included with this Waste Survey Report (PDF copies are acceptable)

## SECTION 5 – SPILLS RESPONSE PLAN

Provide a copy of the facility Spills Response Plan, if available.

☒ Included with this Waste Survey Report

# City of Guelph - Waste Survey Report

## SECTION 6 – HANDLING AND STORAGE


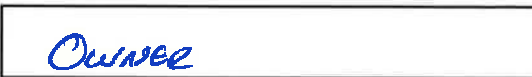
Provide a list of your Global Harmonized System (GHS) (formerly WHMIS) inventory and indicate the general use of each chemical listed. This includes any handling or storage either indoors or outdoors of chemicals, raw materials, products or waste products, please indicate **volumes** of products and **locations** of each product being handled and stored.


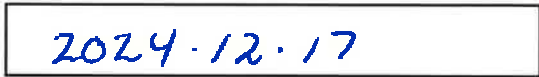
Included with this Waste Survey Report

## SECTION 7 – CERTIFICATION

The information contained in the report, to the best of my knowledge, is true, complete and accurate.

### Authorized Representative:

Name:  Title: 

Phone:  Date: 

### Requirements as per City of Guelph's Sewer Use Bylaw

Every Owner of an Institutional, Commercial, or Industrial premises that produces discharge of Wastewater, Stormwater, Non-contact Cooling Water, Uncontaminated Water, or any combination thereof, shall submit to the City a Waste Survey Report in the format as approved by the City.

Every Owner of a Multi-Residential property serviced by a Private Sewage Collection System shall, upon request, submit to the City a Waste Survey Report in the format as approved by the City.

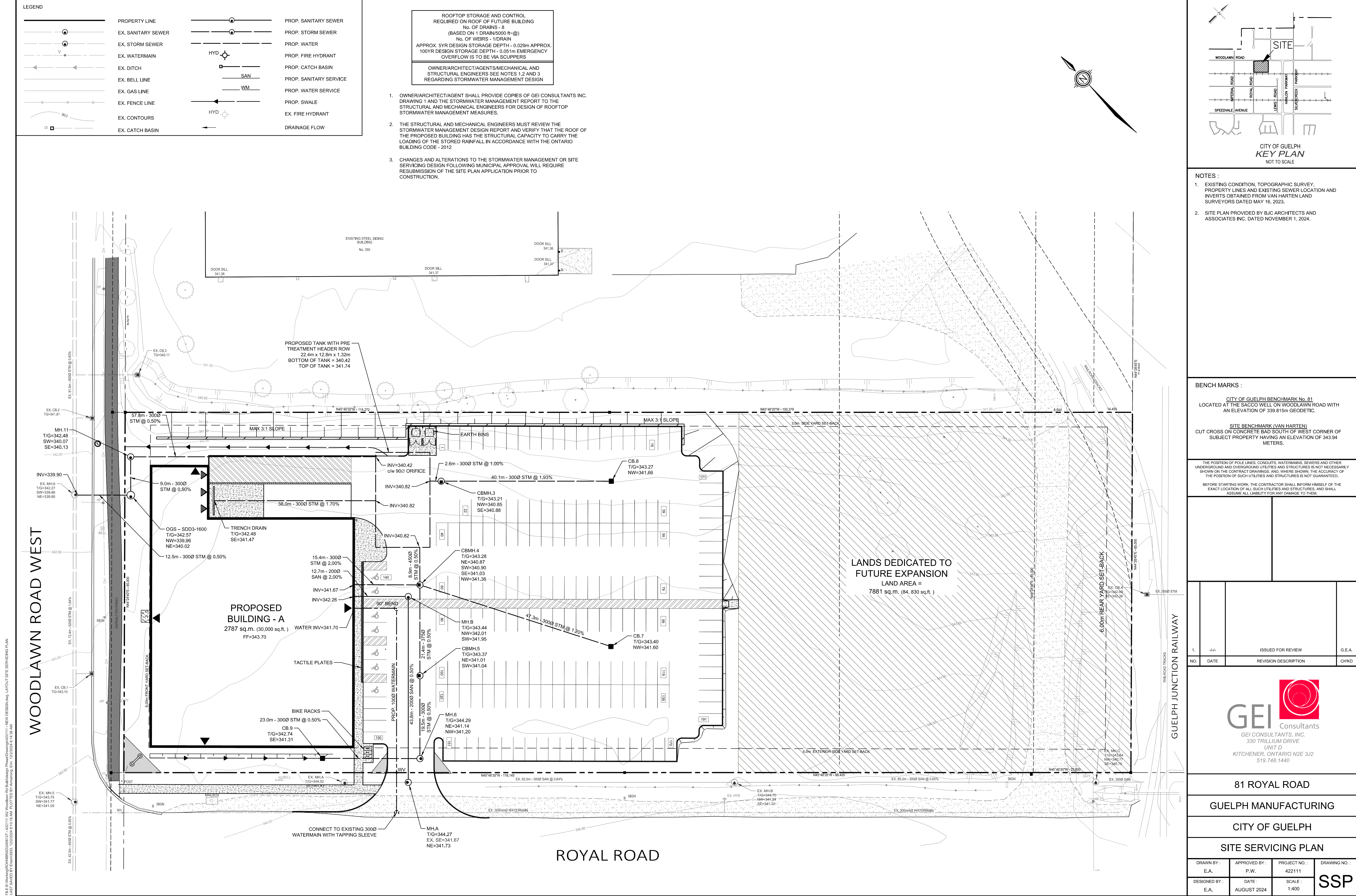
Every Owner of a Private Sewage Collection System shall, upon request, submit to the City:

- a maintenance, operations, and inspection program for their facilities in a format as approved by the City; and
- any system facility performance details in a format as approved by the City.

Every Owner shall provide written notification to the City of any change to information provided under this By-law or an agreement made hereunder, including but not limited to, Wastewater composition or process changes, within 30 days of the change or within such other time period specified in an agreement.

# PHYSICAL LAYOUT: SITE SERVICING PLAN







- 1) DRAWINGS ARE NOT TO BE SCALED.
- 2) ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE SITE PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER BEFORE PROCEEDING. MULTIPLE BENCHMARKS SHALL BE VERIFIED.
- 3) UNLESS OTHERWISE NOTED ON THE DRAWINGS THE STANDARD CITY OF GUELPH, MTO AND OSR DRAWINGS AND SPECIFICATIONS ARE TO CONSTITUTE PART OF THIS CONTRACT AND DRAWINGS.
- 4) REFER TO O.B.C. - 2012 STANDARDS AND SPECIFICATIONS AND CITY SPECIFICATIONS AND STANDARD DRAWINGS FOR LIST OF APPROVED MANUFACTURERS AND MATERIALS.
- 5) EXISTING STRUCTURES ARE NOT TO BE DISTURBED, NOR ENCROACH ON ADJACENT PROPERTIES UNLESS INSTRUCTED BY THE ENGINEER.
- 6) THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S CONTRACTOR FROM OBTAINING, BUT NOT LIMITED TO THE FOLLOWING PERMITS, ROAD CUTS, SEWER PERMITS, RELIEF OF SERVICES, ENCROACHMENT AGREEMENTS, APPROACH APPROVALS, PERMITS, ETC.
- 7) PRIOR TO CONSTRUCTION, THE ENGINEER IS TO BE NOTIFIED BY THE OWNER AND THE CONTRACTOR AS TO THE EXTENT OF THE CONSTRUCTION LIMITS THEY PROPOSE. THE CITY BUILDING AND PLUMBING OFFICES ARE TO BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 8) THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE SERVING PLANS, LANDSCAPE PLAN, SITE ELECTRICAL PLANS, AND ANY OTHER PLANS OR DRAWINGS WHICH DEPICT WORKS THAT ARE PROPOSED FOR THIS SITE.
- 9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR THE CITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ONTARIO.
- 10) THE CONTRACTOR SHALL ENDEAVOR TO PREVENT MUD TRACKING ONTO EXISTING RIGHT-OF-WAYS AND SHALL PROVIDE FOR CLEANUP AT HIS OWN EXPENSE AS DIRECTED BY THE CITY. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTROL DUST ON THE PROJECT AND HE SHALL PROVIDE CONTROLLING MEASURES AS DIRECTED BY THE CITY.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. LOCATION OF EXISTING UTILITIES TO BE VERIFIED IN THE FIELD.
- 12) THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE CITY.
- 13) THE CONTRACTOR IS TO OBTAIN, AND PAY FOR ANY NECESSARY PERMITS FOR ANY CITY ROAD CUTS FOR THE INSTALLATION OF SANITARY, STORM, AND WATER SERVICE CONNECTIONS, ROAD CUTS TO BE RESTORED AS PER THE CITY'S SATISFACTION.
- 14) ANY UTILITY RELOCATIONS DUE TO THIS DEVELOPMENT TO BE UNDERTAKEN AT THE EXPENSE OF THE OWNER/DEVELOPER.
- 15) ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE ENGINEER WHICH MUST BE RETURNED AT THE COMPLETION OF WORK.
- 16) ALL CONSTRUCTION WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- 17) CONSTRUCTION ACCESS SHALL BE CONSTRUCTED WITH A MIN. OF 450mm THICK CRUSHED STONE BASE FROM EDGE OF PAVEMENT TO THE PROPERTY LINE TO THE SATISFACTION OF THE CITY.
- 18) ANY CONFLICTS WITH EXISTING SERVICES ARE TO BE RECTIFIED AT THE OWNER'S EXPENSE.
- 19) WHEN CITY STANDARD DRAWINGS ARE REFERRED TO THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TO HAVE THE MOST CURRENT ISSUE.
- 20) TESTING OF ALL SERVICES BY GENERAL CONTRACTOR.

- 1) CONTRACTOR TO RESTORE AREAS ON PUBLIC R.O. OR ADJACENT LANDS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION TO PREVIOUS CONDITION OR BETTER.
- 2) ALL DRIVEWAY AND GRADING MATERIAL AND CONSTRUCTION METHODS MUST CONFORM TO CURRENT CITY STANDARDS AND SPECIFICATIONS.
- 3) ALL FILL WITHIN THE SITE TO BE COMPACTED TO A MIN. OF 95% STANDARD PROCTOR MEDIAN DRY DENSITY. ALL FILL WITHIN THE SITE PARKING AREA TO BE COMPACTED TO A MIN. OF 98% SPMOD. THE SUITABILITY OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOIL CONSULTANT OR GEOTECHNICAL CONSULTANT'S INC. PRIOR TO INSTALLATION OF ANY ASPHALT BASE MATERIALS.
- 4) LANDSCAPING SHALL NOT ENCROACH ON BOULEVARD NOR SHALL BOULEVARD GRADES BE ALTERED.
- 5) SILT FENCE(S) TO BE INSTALLED AND MAINTAINED TO PREVENT SILT FLOWING ONTO ADJACENT LANDS. SILTATION CONTROL METHODS ARE TO BE AS NOTED ON THE DRAWINGS IN THE LOCATIONS SHOWN AND SHALL BE ERECTED PRIOR TO ANY GRADING OR CONSTRUCTION AND SHALL BE IN GOOD REPAIR THROUGHOUT THE CONSTRUCTION AND GRADING PHASES.
- 6) ANY CHANGES IN GRADES, CATCH BASINS, SERVICE (LATERALS, STORM) AND SANITARY SEWERS REQUIRE THE APPROVAL OF GEI CONSULTANTS INC.
- 7) THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE CITY.
- 8) ALL LANDSCAPING TO BE INSTALLED AS SOON AS POSSIBLE OR PRIOR TO THE END OF THE FIRST GROWING SEASON. LANDSCAPING TO BE MAINTAINED UNTIL IT IS ESTABLISHED.
- 9) ALL CURBS ARE TO BE 150mm ABOVE THE PROPOSED GUTTER LINE (GL) UNLESS NOTED OTHERWISE.
- 10) PAVEMENT GRADE SHALL BE MIN. 0.5%, MAX. 8%.
- 11) DRAINAGE SWALES SHALL BE MIN. 2%, MAX. 6%, UNLESS NOTED OTHERWISE.
- 12) SLOPES IN LANDSCAPE AREAS AND ON BERMS SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.

- 1) INSTALL EROSION AND SEDIMENT CONTROL MEASURES AND ENTRANCE PROTECTION MUD TRACKING PAD.
- 2) STRIP TOPSOIL AND SELECT AREA NEAR STORMWATER MANAGEMENT POND AND CONSTRUCT STORMWATER MANAGEMENT POND.
- 3) TOPSOIL AND SEED STORMWATER MANAGEMENT POND.
- 4) CITY TO PROVIDE STORM/SANITARY AND WATER SERVICES TO PROPERTY LINE BY CITY FORCES.
- 5) INSTALL STORM SEWER TO STORMWATER MANAGEMENT POND AND INSTALL TEMPORARY HICKENBOTTOM AS PER DETAIL ON DRAWING x OF x.
- 6) STRIP TOPSOIL AND PREGRADE SITE TO SUBGRADE LEVELS.
- 7) INSTALL ON-SITE STORM/SANITARY AND WATER SERVICES.
- 8) INSTALL FOUNDATIONS TO BUILDING x x OF x x.
- 9) INSTALL GRANULAR BASE FOR PARKING/ROADWAY AREAS.
- 10) TOPSOIL AND SEED SITE AND COMPLETE LANDSCAPING.
- 11) INSTALL CURB AND ASPHALT FOLLOWING BUILDING CONSTRUCTION.
- 12) EROSION AND SEDIMENT CONTROL MEASURES TO BE MONITORED AND MAINTAINED AT ALL TIMES.

- 1) ALL STORM SEWERS 375mmØ AND SMALLER TO BE PVC SD 35 IN ACCORDANCE WITH CSA-B182.2, ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS, 450mmØ TO BE OF POLYETHYLENE GLASS REINFORCED PIPE PER CSA-A257.2, CLASS 2 OR LATEST REVISIONS, UNLESS OTHERWISE NOTED. ROOF TOP STORM LEADS 200mmØ AND SMALLER TO BE PVC SD 28.
- 2) BEDDING FOR PVC STORM SEWERS AS PER SD-29, GRANULAR A/ COMPACTED 15% SPMD.
- 3) BEDDING FOR CONCRETE PIPE AS PER SD-29, GRANULAR A/ COMPACTED TO 98% SPMD.
- 4) EXISTING SEWER INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 5) ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE CITY DIRECTOR OF PUBLIC WORKS.
- 6) ALL CATCHBASING SHALL BE IN ACCORDANCE WITH OPSD 705.010, ALL CATCHBASIN FRAMES AND COVERS AS PER OPSD 400.110.
- 7) PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF CSA A257.4 (MANHOLE, DEPTH 1200mm, 1200mm MANHOLES AS PER OPSD 400.110).
- 8) ALL PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF OPSD 400.110, MANHOLES AS PER OPSD 701.011 MANHOLE FRAMES AND COVERS AS PER SD-50.
- 9) ALL TESTING OF STORM SERVICES TO BE IN ACCORDANCE WITH O.B.C. - 2012 AND CITY SPECIFICATIONS.
- 10) ALL BENCHING MAINTENANCE HOLES AND CATCHBASIN MAINTENANCE HOLES SHALL BE BENCHMARKED UP TO 3/4 HEIGHT REGARDLESS OF PIPE SIZE, ALL BENCHING SHALL SLOPE UP AND AWAY FROM THE PIPE AT 8% SLOPE. STORM SEWER MAINTENANCE HOLES SHALL NOT BE SET LOWER THAN 100mm ABOVE FINISHED GRADE. FOR DEVELOPMENT BENCHING MAINTENANCE HOLES MUST BE COMPLETED IN NEXT CONSTRUCTION ON SITE.
- 11) ALL WORKS WITHIN CITY RIGHT-OF-WAY TO BE PERFORMED BY CITY FORCES UPON REQUEST.
- 12) ALL CONNECTIONS TO STORM MANHOLES TO BE MADE WITH A KOR-K-SEAL ADAPTOR.
- 13) IT IS THE OWNER'S RESPONSIBILITY TO CONDUCT ROUTE INSPECTION AND MAINTENANCE OF OIL AND GRIT INTERCEPTION DEVICES OR SYSTEMS INSTALLED OR CONSTRUCTED ON THE OWNER'S PROPERTY.

- 1 ALL SANITARY SEWERS ARE TO BE PVC-D 38 IN ACCORDANCE WITH CISA-B182.2,  
2 ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS, RUBBER GASKET, SERVICES  
3  
4 EXISTING SEWER INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE  
5 PRIOR TO COMMENCEMENT OF CONSTRUCTION.  
6  
7 ALL RELOCATION, REPLACEMENT AND RESTORATION TO BE PERFORMED TO THE  
8 SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.  
9  
10 PROVIDE WATER TIGHT COVERS FOR SANITARY MANHOLES LOCATED IN PONDING  
11  
12 PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF CISA A257.4  
13 AND A.S.T.M. DESIGNATION C478. 12000 MANHOLES AS PER SP9D 701.010, 15000  
14 MANHOLES AS PER SP9D 701.011 MANHOLE FRAMES AND COVERS AS PER SP9D  
15 401.010  
16  
17 BENCHING AS PER SD-40, TO SPRING LINE OF PIPE.  
18  
19 BEDDING FOR PVC SANITARY SEWERS AS PER SD-29, GRANULAR "A" COMPACTED  
20 TO 95% FRIED  
21  
22 ALL CONNECTIONS WITH PAVED PORTIONS OF EXISTING ROADS TO BE BACKFILLED  
23 WITH GRANULAR MATERIAL OR LATEST CITY SPECIFICATIONS AND COMPACTED TO  
24 95% FRIED  
25  
26 ALL TESTING OF SANITARY SERVICES TO BE IN ACCORDANCE WITH O.B.C. - 2012  
27 AND CITY SPECIFICATIONS.  
28  
29 ALL CONNECTIONS TO SANITARY MANHOLES TO BE MADE WITH A KOR-SEAL  
30 ADAPTOR.

- 1 WATER SERVICE PIPE TO BE PVC-R 18 CL 150 CONFORMING TO CSA B137.3,
- 2 INCLUDING 12 GAUGE 7 STRAND TRACER WIRE WITHIN HYDRANTS OR OTHER
- 3 CITY APPROVED APPURTEANCES. THE PIPE SHALL BE MINIMUM COATING OF 2.04
- 4 ALL WATERMAIN JOINTS TO BE APPROVED PUSH-ON, MECHANICAL OR FLANGE
- 5 TYPE JOINTS AS REQUIRED FOR 1000 kpa rated PRESSURE, CORROSION
- 6 RESISTANT TO 100% SULPHURIC ACID. THE HYDRANTS (HYPROTEC OR EQUAL
- 7 BEDDING) SHALL PER SD-29, TYPE 1 & 2, HYDRANTS COMPACTED TO 98% SPMD.
- 8 ALL WATERMAIN FITTINGS AND APPURTEANCES TO BE SELECTED FROM THE
- 9 CITY'S APPROVED MATERIAL LIST FOR WATERMAINS.
- 10 ALL WATERMAIN FITTINGS AND APPURTEANCES TO BE 150mm OR 200mm
- 11 AND HORIZONTAL SEPARATION OF 2.4m BETWEEN ANY SEWER OR MANHOLE.
- 12 ALL WORKS WITHIN CITY RIGHT-OF-WAY TO BE PERFORMED BY CITY FORCES UPON
- 13 APT.
- 14 CONTRACTOR TO CONFIRM THE SIZE, LOCATION AND MATERIAL TYPE OF EXISTING
- 15 WATER SERVICE AND WATERMAIN PRIOR TO COMMENCING ANY WORK.
- 16 EXISTING WATERMAIN OBVERTS TO BE CONFIRMED ON SITE AT THE TIME OF
- 17 CONSTRUCTION.
- 18 ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO
- 19 THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- 20 ALL EXISTING WATERMAIN TO BE REPAIRED OR REPLACED TO BE BACKFILLED
- 21 WITH GRANULAR "A" MATERIAL OR AS PER LATEST CITY SPECIFICATIONS.
- 22 FLUSHING, SWABBING, AND TESTING OF WATERMAIN AS PER ONTARIO PROVINCIAL
- 23 STANDARD SPECIFICATIONS.
- 24 VALVE AND BOX TO BE INSTALLED AS PER SD-24.
- 25 HYDRANTS SHALL CONFORM TO STD-W3 AND SHALL BE DARLING STYLE TYPE
- 26 CANADA VALVE COMPANY LIMITED OR MEAVITY STYLE M-67 BY CRANE (CANADA).
- 27 LIMITS SHALL BE 150mm TO 200mm.
- 28 HYDRANTS SHALL OPEN COUNTER CLOCKWISE AND BE YELLOW WITH GREEN
- 29 BONNETS AND HOSE CAPS.
- 30 ALL WATERMAIN MATERIALS, INSTALLATION METHODS AND TESTING SHALL
- 31 CONFORM TO OBC-2012 AND CITY SPECIFICATIONS.



NOTE:  
PROPOSED RETAINING WALL DETAILED DESIGN,  
INSTALLATION, INSPECTION AND CERTIFICATION OF  
RETAINING WALL INCLUDING GUARDING AS  
REQUIRED UNDER OBC 2012 TO BE COMPLETED BY  
OTHERS.

- 1) ALL PROPOSED INTERSECTION CURBING TO BE BARRIER CURB TYPE AS PER O.P.S.D. 600.110. ALL TOPS OF CURBS TO BE 150mm ABOVE PROPOSED ASPHALT, UNLESS OTHERWISE NOTED.
- 2) ALL PROPOSED ROAD CUTS TO BE PERFORMED AND RESTORED TO THE SATISFACTION OF CITY ENGINEER UPON APPLICATION.
- 3) ALL CONCRETE SIDEWALKS TO BE MINIMUM 125mm THICK (175mm THROUGH ENTRANCES) AND HAVE 100mm GRANULAR A/ BEDDING (98% SPMD), TO BE INSTALL AS PER CITY STANDARD SO-2.
- 4) CONCRETE SIDEWALK RAMP AS PER OPSPD 310.010.
- 5) ALL SIDEWALK CONNECTIONS ABUTTING BUILDING ENTRANCES ARE TO HAVE A DOWEL CONNECTION.

- 1) ALL SANITARY AND STORM SEWER IS TO BE MANHOLE TESTED PRIOR TO FINAL ACCEPTANCE BY THE ENGINEER. ALL MANHOLE TESTING AS PER OPS 410.
- 2) ALL SANITARY AND STORM PIPING MATERIAL AS PER OBC 2012 AND THE CITY SERVING STANDARDS.
- 3) LEAKAGE TESTING OF SANITARY SERVICES IS REQUIRED AS PER OPS 410 AND THE CITY SERVING STANDARDS.
- 4) ALL SANITARY AND STORM REQUIRE FIELD INSPECTION BY THE SITE SERVING ENGINEER DURING INSTALLATION. INSPECTION SERVICES REQUIRE A MINIMUM OF 24 HOURS NOTICE.
- 5) ALL WATERMAIN REQUIRES FIELD INSPECTION BY THE SITE SERVING ENGINEER DURING INSTALLATION. INSPECTION SERVICES REQUIRE A MINIMUM OF 24 HOURS NOTICE.
- 6) ALL WATERMAIN IS TO BE SUPPLIED AND INSTALLED AS PER OBC 2012 AND THE CITY SERVING STANDARDS.
- 7) ALL NEW WATERMAIN IS TO BE CLEANED AND TESTED AS PER THE CITY SERVING STANDARDS. FOR TEMPORARY CONNECTIONS, FOR TESTING PURPOSES, A BACKFLOW DEVICE (ACCEPTABLE BY THE LOCAL CITY) IS TO BE INSTALLED AND TESTED ON SITE BY A LICENSED TESTER.
- 8) SITE SERVING ENGINEER TO BE ON SITE FOR ALL TESTING AND SWABBING OF NEW WATERMANS.
- 9) THE DESIGNER APPROVE ALL TESTING AND TEST RESULTS PRIOR TO PERMITTING FINAL CONNECTION TO THE CITY SYSTEM.

1) ALL SERVICES AND/OR UTILITIES LOCATED ON CONCRETE SIDEWALKS OR CURBS TO BE ISOLATED FROM THE SIDEWALK OR CURB AS PER OPSD 310.040

- 1) ALL EXISTING SERVICES, UTILITIES AND CATCHBASIN LEADS ARE TO BE SUPPORTED IN ACCORDANCE WITH O.B.C. - 2012 AND CITY SPECIFICATIONS.
- 2) ALL UTILITIES SHALL BE LOCATED, SUPPORTED AND PROTECTED TO THE SATISFACTION OF THE UTILITY COMPANY DURING THE CONSTRUCTION PERIOD.

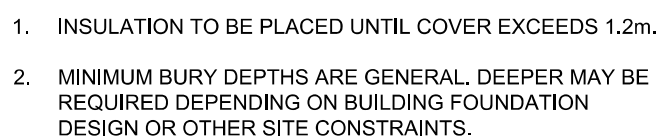
- 1) SITE WORKS ARE TO BE STAGED IN SUCH A MANNER THAT EROSION WILL BE MINIMIZED AND THAT BARRIERS AND SEDIMENTATION FACILITIES WITHIN THE SITE ARE PROVIDED TO PREVENT EROSION THAT MAY CAUSE DAMAGE TO ADJACENT AREAS.
- 2) PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, A SEDIMENT POND OR STORAGE AREA MUST BE ESTABLISHED TO COLLECT SURFACE DRAINAGE FROM ALL AREAS THAT WILL BE DISTURBED. WATER PUMPED FROM EXCAVATIONS OR DEWATERING OPERATIONS MUST BE DISCHARGED TO THE SEDIMENT POND.
- 3) ALL SILT FENCINGS TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY GRADING EXCAVATION AS PER GUELPH STANDARD SO-74B: FABRIC SHALL BE 270 GRAM OR APPROVED EQUIVALENT. SLOTTED SODS SHALL BE USED TO PREVENT MINIMUM AND VEGETATION REMOVED ONLY AS A RESULT OF IMMEDIATE CONSTRUCTION.
- 4) STOCKPILES OF EARTH OR TOPSOIL ARE TO BE LOCATED AND PROTECTED TO MINIMIZE ENVIRONMENTAL INTERFERENCE. STOCKPILES SHOULD NOT BE LOCATED IMMEDIATELY ADJACENT TO DITCHES OR ALLOWANCES. EROSION CONTROL STRUCTURES ARE TO BE INSTALLED ALONG THE BASE OF ALL STOCKPILES. A PERIMETER DITCH LEADING TO A SETTLING AREA OR SEDIMENTATION TRAP SHOULD BE INSTALLED AROUND THE STOCKPILE. EROSION CONTROL STRUCTURES ARE TO BE INSTALLED AROUND AND SANITARY MANHOLES CATCH BASINS, DITCHES, SWALES AND WATERCOURSES.
- 5) ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROCEEDS. THE CONTRACTOR IS TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
- 6) THE DESIGN CONSULTANT IS TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.
- 7) PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE CONTRACTOR SHALL REPAIR DAMAGE TO STOCKPILES REPAIRED IMMEDIATELY. INSPECTION SHALL OCCUR AFTER EVERY RAINFALL EVENT OF 13mm or GREATER and SEDIMENT IS TO BE REMOVED WHEN ACCUMULATION REACHES 150MM. MINIMUM. STOCKPILES ARE TO BE COVERED WITH 150MM OF FILTER MATERIALS SUCH AS CRUSHED STONE, STRAW BALES OR FILTER CLOTH MUST BE REPLACED AS REQUIRED.
- 8) ALL EROSION CONTROL STRUCTURES ARE TO REMAIN IN PLACE UNTIL ALL DISTURBED GRADING AREAS HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
- 9) NO ALTERNATIVE METHODS OF EROSION PROTECTION SHALL BE DEFERRED UNLESS GROUNDWATER DESIGN CONSULTANT HAS BEEN NOTIFIED AND APPROVED.
- 10) THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT CITY ROADWAYS ARE CLEARED OF ALL SEDIMENTS FROM VEHICULAR TRACKING ETC. TO AND FROM THE SITE AT THE END OF EACH WORK DAY.
- 11) ALL DISTURBED AREAS NOT INCLUDED IN CONSTRUCTION TO BE RE-TOPSOILED AND RE-SEEDDED IMMEDIATELY AFTER COMPLETION OF AREA GRADING.
- 12) STOCKPILES NOT REMOVED WITHIN 30 DAYS REQUIRE STABILIZATION BY HYDROSEEDING. EXCESS TOPSOIL AND SEDIMENT ARE TO BE REMOVED FROM THE SITE AND KEPT ON SITE IN ORDER TO REPAIR OR REPLACE DAMAGED SECTIONS IMMEDIATELY.



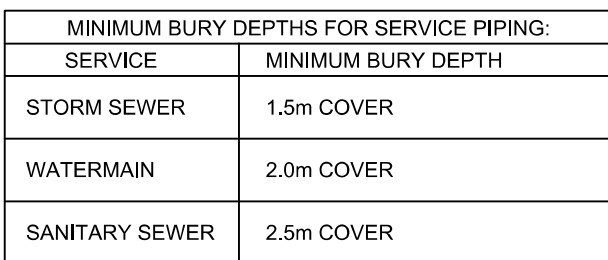
TO BE CONFIRMED BY  
GEOTECH REPORT



N.T.S



N.T.S.



MINIMUM BURY DEPTHS FOR SERVICE PIPING:	
SERVICE	MINIMUM BURY DEPTH
STORM SEWER	1.5m COVER
WATERMAIN	2.0m COVER
SANITARY SEWER	2.5m COVER



1. EXISTING CONDITION, TOPOGRAPHIC SURVEY, PROPERTY LINES AND EXISTING SEWER LOCATION AND INVERTS OBTAINED FROM VAN HARTEN LAND SURVEYORS DATED MAY 16, 2023.
2. SITE PLAN PROVIDED BY BJC ARCHITECTS AND ASSOCIATES INC. DATED NOVEMBER 1, 2024.

CITY OF GUELPH BENCHMARK No. 81  
LOCATED AT THE SACCO WELL ON WOODLAWN ROAD WITH  
AN ELEVATION OF 339.815m GEODETIC.

SUBJECT PROPERTY HAVING AN ELEVATION OF 343.9 METERS.

THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER  
UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY  
SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF  
THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE  
EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL  
ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.

I.	ISSUED FOR REVIEW		G.E.A.
O.	DATE	REVISION DESCRIPTION	CHKD



81 ROYAL ROAD

## GUELPH MANUFACTURING

CITY OF GUELPH

## GENERAL NOTES AND DETAILS PLAN

DRAWN BY : E.A.	APPROVED BY : P.W.	PROJECT NO. : 422111	DRAWING NO. :  <b>ND</b>
DESIGNED BY : E.A.	DATE : AUGUST 2024	SCALE : AS NOTED	

ND



# SPILLS RESPONSE PLAN

December 13, 2024  
Project No. 2406127

VIA EMAIL: [bireland@guelphmanufacturing.com](mailto:bireland@guelphmanufacturing.com)

Mr. Brad Ireland  
Guelph Manufacturing  
39 Royal Road  
Guelph, ON N1H 1G2

**Re: Spills Response Plan  
81 Royal Road  
Guelph, ON**

Dear Mr. Ireland,

The following Spills Response Plan has been prepared per the City of Guelph Stormwater Management Master Plan (SWM-MP) for the proposed development at 81 Royal Road in the City of Guelph.

A spill can be defined as an unplanned release of a significant amount (i.e. greater than 1 litre) of material, or one in which the release of the substance cannot be controlled. If a spill/unplanned release is inadvertently caused or otherwise detected that cannot be controlled through the use of immediately available absorbent materials, internal personnel shall adhere to the following spill containment procedure:

1. Take spill control supplies to the site of the spill (the “incident”).
2. Once at the incident site, assess the incident hazard.
3. Make the installation safe. Stop, minimize and contain the spill or leak.
4. Contact the Ontario Spills Action Center (SAC): **1-866-663-8477** and the Guelph Environmental Protection Officer: **519-837-5629**
5. After calling SAC, document the incident. Take pictures of the incident including the source of release (if known), affected area and point of product loss. The pictures should also include a reference object such as a ruler, pen or similar device
6. Prepare an incident report that includes the following information:
  - a. Name and contact information of the responder(s)
  - b. Incident date/time
  - c. Cause and source of leak/spill
  - d. Incident site and on-site contact person information:
    - i. Name.
    - ii. Address, including city/town/municipality and nearest intersection and/or GPS coordinates
    - iii. Phone number
    - iv. E-mail address
  - e. Estimated volume lost to the environment

- f. Estimated volume remaining in storage
  - g. Distance to nearest body of water (ditch, creek, river, lake)
  - h. Distance to water well
  - i. Distance to property line
7. If there is no response from SAC/Guelph Protection Officer within 45 minutes, the responder(s) may:
- a. Assess the required work by certified and qualified personnel which may require removal of the tank/equipment.
  - b. If properly trained:
    - i. collect a visible pool of product and store on-site in a secure and protected manner; and
    - ii. collect any visibly contaminated soil and store on site in a secure and protected manner (call before you dig: 1-800-400-2255);
  - c. Alternatively, a qualified contractor may be retained to provide spill containment services.
8. Local emergency responders if required:
- a. Call **9-1-1**

To assist with the remedial clean-up activities the Materials Safety Data Sheets (MSDS) for the identified potential spill products will be included in the Spills Response Plan and will be available for reference during a spill scenario.

Adaptation or modification of the Spills Response Plan may be triggered if there is a change in hazardous materials based on operational changes, or if areas of improvement are noted during the annual review of the Spills Response Plan.

Yours truly,

Patricia Wiebe, P.Eng.  
Project Engineer

PW/sj

B:\Working\ROHNBRAD\2406127 - 422111 352 Woodlawn Rd Build\Design Phase\Reports - SWM, FSR, Design Brief, etc\2406127 - Spills Response Plan.docx

# HANDLING AND STORAGE GHS INVENTORY

# LIST OF LIQUIDS

SKU	Description	ML per unit	Total ML	Category	CLASS	Packing Group	Flash Point	Flammable Liquid Class
8909681	ACETONE 3.78L PROGRD SOLVABLE	3780	30240	Auto Repair	3	II	-18.5	IB
9115858	CLEAN DIESEL FUEL 500ML RISLONE	500	2000	Auto Repair	9	III	62	IIIA
9045287	ACETONE 946ML PROGRD SOLVABLE	946	22704	Auto Repair	3	II	-18.5	IB
9242272	ADHESIVE AQUASEAL FD .75OZ	22.18	133.08	Recreational	3	II	20	IB
9042540	ADHESIVE CNTRCT SBFLR 295ML LP	295	7080	Auto Repair	3	II	-17	IB
9059106	OIL OUTBOARD PREM NAUT 946ML	946	5676	Auto Repair				IIIA
9081456	TRTMNT DIESELFUEL 296ML GUMOUT	296	1776	Auto Repair				IIIA
9242348	ADHESIVE AQUASEAL FD .75OZ	22.18	266.16	Recreational	3	II	20	IB
9011446	ADHESIVE CONTACT 88ML GORILLA	88	1584	Auto Repair	3	II	4	IB
8193260	ADHESIVE GP ULTRABOND 59ML	59	708	Auto Repair	3	II	4	IB
9251638	ADHESIVE PLASTIC WELDR BL 25ML	25	300	Auto Repair	3	II	12	IB
8050452	ANTI-FREEZE GAS SUPREME 150ML	150	6000	Auto Repair	3	II	12	IB
9091612	ANTIFREEZE PLUMB 9.46L WP	9460	454080	Auto Repair	3	III	35	IC
9091620	ANTIFREEZE PLUMB ECNO 3.78L RC	3780	786240	Auto Repair	3	III	35	IC
8926198	CLEANER & REPL GLS 680ML RAINX	680	8160	Auto Repair	3	III	27.6	IC
8050445	CONDITION DIESEL 1L KLEENFLO	1000	36000	Auto Repair	3	II	12	IB
8198293	CEMENT RUBBER 10Z TUBE	29.57	1419.36	Trailer	3	II	-9	IA
9115841	CLEAN F/XH/EMSSN 500ML RISLONE	500	4000	Auto Repair	3	III	55	II
8619736	CONDITION LSDIESEL 1L KLEENFLO	1000	24000	Auto Repair	3	II	16	IB
8108524	DEICER LOCK 35ML KLEENFLO	35	1050	Auto Repair	3	II	15	IB
9120346	FILLER FASTDRY BODY 721G BONDO	2218	53232	Auto Repair	3	III	31.7	IC
8978389	FILLER METAL RI 331/11ML BONDO	11	88	Auto Repair	3	III	32.2	IC
8977308	CLEAN ALLIN1 FUEL 296ML GUMOUT	296	3552	Auto Repair				IIIA
8977316	BOOSTER OCTANE 296ML GUMOUT	296	3552	Auto Repair				IIIA
9085416	FLUID WASHER ALLS 3.78L X 4 TB	3780	589680	Auto Repair	3 (6.1)	II	24	IC
9042177	FLUID WASHER ALLSEASN 3.78L TB	3780	1572480	Auto Repair	3 (6.1)	II	24	IC
9189978	FLUID WASHER CLEARVIEW -45C RX	3780	60480	Auto Repair	3 (6.1)	II	27	IC
9251646	GLUE ULTRABOND SUPER 20G PA	20	240	Auto Repair				IIIA
9011453	GLUE SUPER PRECISE GEL 15G GOR	15	225	Auto Repair				IIIA
8937526	FUEL 40:1 2CYCL 946ML VPRACING	946	15136	Auto Repair	3	II	-40	IA
8937518	FUEL 50:1 2CYCL 946ML VPRACING	946	37840	Auto Repair	3	II	-40	IA
8791469	FUEL FIX-IT 946ML VPRACING	946	7568	Auto Repair	3	II	-40	IA
8653610	FUEL LIGHTER 142ML RONSONOL	142	1704	Metal Fabrication	3	II	-6.5	IA
8977282	GASKETMAKER MOTOSEAL 80ML	80	960	Auto Repair	3	III	31	IC
8140030	FUEL LIGHTER 341ML RONSONOL	341	8184	Metal Fabrication	3	II	-7	IB
8551582	GLUE SUPER 2PK 6G GORILLA	11	198	Auto Repair				IIIA
8776593	OIL MYSTERY MARVEL 946ML	946	17028	Auto Repair	3	III	71	IIIA
9151341	GLUE FABRIC 73ML GOR	73	876	Auto Repair	3	II	4	IB
8634875	KEROSENE 3.78 LITRE	3780	15120	Seasonal	3	III	43	II
9120338	METAL GREY PLASTIC 5OZ BONDO	147	1764	Auto Repair	3	II	-5	IB
6480123	KEROSENE 9.46 LITRE	9460	75680	Seasonal	3	III	43	II
9064593	CLEAN REGANE FUEL 177ML GUMOUT	177	3186	Auto Repair				IIIA
9258740	OIL SNOWMOBILE 2T 1L CASTROL	1000	24000	Auto Repair				IIIA
8937534	OCTANE OCTANIUM 946ML VPRACING	946	15136	Auto Repair	3	II	-12	IB
8839367	KEROSENE CLEAR 18.9 LITRE	18900	75600	Seasonal	3	III	43	II
9242280	KIT AQUASEAL REPAIR .25OZ	7.34	44.04	Recreational	3	II	20	IB
8941510	ADHESIVE SUPRWELD 20G 33120	20	480	Auto Repair				IIIA
9242553	KIT REPAIR VINYL & RUBBER	8.8	211.2	Recreational	3	II	-4	IB
9189135	PASTE BOLT MARK INDICATOR ORG	30	180	Auto Repair	3	II	12	IB
9119132	GLUE HD SUPER IMPACT TOUGH GOR	15	360	Auto Repair				IIIA
9189127	PASTE BOLT MARK INDICATOR YEL	30	180	Auto Repair	3	II	13	IB
8205031	REPAIR F/G RESIN 1L/11ML BONDO	1000	12000	Auto Repair	3	III	31.1	IC
9050873	PAINT BLACK FLAT RUST 3.78L TC	3780	22680	Auto Repair	3	III	41	II
8205015	REPAIR F/G RESIN 236/6ML BONDO	236	1416	Auto Repair	3	III	31.1	IC
9050865	PAINT BLACKGLOSS RUST 3.78L TC	3780	30240	Auto Repair	3	III	40	II
9050899	PAINT GREY PRIMER 3.78L TC	3780	15120	Auto Repair	3	III	40	II
9050881	PAINT WHITEGLOSS RUST 3.78L TC	3780	22680	Auto Repair	3	III	39	II
8205007	RESIN 3.5L FIBREGLOSS BONDO	3500	28000	Auto Repair	3	III	31.1	IC
8204992	RESIN FIBREGLOSS 857ML BONDO	857	15426	Auto Repair	3	III	31.1	IC
8431140	SPRAY GLASS INVSGLSS	643	11574	Auto Repair	3	II	19	IB
9045303	THINNER 946ML LACQUER SOLVABLE	946	17028	Auto Repair	3	II	-4	IB
8909707	THINNER LACQUER 3.78L SOLVABLE	3780	45360	Auto Repair	3	II	-4	IB
6400055	THREAD SEALANT W/PTFE 118ML	118	2832	Auto Repair	3	III	23	IC
9242298	SEALANT SEAM GRIP 1OZ	29.57	177.42	Recreational	3	II	20	IB
9045329	SOLVENT 18.9L PROGRD SOLVABLE	18900	132300	Auto Repair	3	III	58	II
9015108	ANTIFREEZE PUMP SAVER WINTRIZR	473	5676	Outdoor Power Equ				IIIA
9037292	TREAT HIGH-MILE 473ML SEAFOAM	473	17028	Auto Repair	3	III	24	IC
9180787	TAPE LIQUID ELECTRICAL BLACK	118	2124	Farm	3	II	7	IB
9037300	TREAT MARINEFUEL 473ML SEAFOAM	473	17028	Auto Repair	3	II	15.6	IB
9269655	OIL G96 GUN 4OZ	188	2256	Recreational	3	III	60.6	IIIA
8698508	TREATMENT MOTOR 473ML SEAFOAM	473	34056	Auto Repair	3	II	13	IB
8490005	TIRE REPAIR RADIAL CRD 9PC KIT	300	15000	Trailer	3	II	-9	IB
8489973	TIRE REPAIR TUBELESS CORD 30PC	300	6000	Trailer	3	II	-9	IB
8552267	TIRE TUBE PATCH 17PC KIT	300	6000	Trailer	3	II	-9	IB
8552234	TIRE TUBE PATCH 6PC KIT	300	7200	Trailer	3	II	-9	IB
8698565	TUNE HYDRA TRANS 473ML SEAFOAM	473	11352	Auto Repair	3	II	13	IB
9058561	TUNEUP MULTYSYSTEM 473ML GUMOUT	473	8514	Auto Repair	3	II	18	IB
9171133	WINTERIZER SPRAYER 9.46L TB	9460	75680	Auto Repair	3	III	35	IC
9045311	XYLENE PROGRADE 946ML SOLVABLE	946	17028	Auto Repair	3	III	24	IC
6420145	WD40 BULK-REFIL 3.78L	3780	60480	Auto Repair	3	III	49	II

Total Liquids 4620636.26  
4620.63626



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Number of Planograms: 124

