



ST. CLAIR CATHOLIC
DISTRICT SCHOOL BOARD

Lighting the Way ~ Rejoicing in Our Journey

**REQUEST FOR TENDER
FOR
Demolition of the former St. Patrick's Catholic High School
281 East St. Sarnia ON**

RFT #: 715-CP1601

ADDENDUM #2

QUESTIONS & ANSWERS

Due Date: Nov. 24, 2015 before 4:00:00 p.m., Local Time

Tender Submission Location: 245 Tecumseh St., Sarnia ON N6G 2L8

Attention of:
Mr. Tony Prizio
Purchasing Department
St. Clair Catholic District School Board

ADDENDUM #2

A2. Revise **Table of Content** sections **10.0 DRAWINGS** to:

- 1 A2 Demolition Site Plan – (Revised)**
- 2 A2 Final Site Plan – (Revised)**
- 3 Addition Building Phases – (No changes)
- 4 Foundation Plan - Original Building 1952 – (No changes)
- 5 Foundation Plan - Addition 1962 - (No changes)
- 6 Foundation Plan - Addition 1967 - (No changes)
- 7 Foundation Plan - Addition 1969 - (No changes)
- 8 A2 Building Services Disconnection Plan - (New Drawing)**
- 9 A2 Construction Limit Plan – (New Drawing)**

Drawings 1 A2, 2 A2, 8 A2 and 9 A2 have been included in addendum #2 and are to be included in the base bid price.

A2.1 Revise **Table of Contents** sections **11.0 APPENDICES** to:

- A. Designated Substances Survey dated **March 15, 2013**
- B. Asbestos Bulk Sampling Results dated November 16, 2015**
- C. City of Sarnia – Demolition Permit Application Form and Process**
- D. City of Sarnia – Road Occupancy Permit Application & costs**
- E. City of Sarnia – Typical 50 mm Watermain Blow off (Mainguard Hydrant)**
- F. 5 Drawings provided at Mandatory Site Meeting dated Tuesday, November 10, 2015.**

Appendices B, C, D, E and F have been included in addendum #2. Bidders are to carry the associated costs of the demolition permit (appendix C), road occupancy permit application (appendix D) and associated costs for water system tie-in fees of \$ 500.00 flat rate per tie-in = \$ 1,000.00 (appendix E).

A2.2 Revise Section 2.3.4 to read as follows:

Return date and time: **Tuesday, November 24, 2015 before 4:00 p.m.**

A2.3 Revise section 02 61 33, item 2.1.9 to read, **The roof materials do not contain asbestos.**

A2.4 Add section 02 61 33, item 2.1.10. **Green asbestos-containing countertops in the science lab – room 141.**

A2.5 Revise section 02 82 10 Asbestos Abatement – Type 1 Procedures item 1.3 Outline of Work to read. **1.3.1.1 Remove and dispose of non-friable 9”x9” and 12”x12” vinyl floor tiles containing chrysotile asbestos in locations identified on the Designated Substances Survey Drawings: 4,8,9,20,27,31,38,39,42,44,57,58,61,62,83,102,104,131,132,133,134,135,138,152,158,160,169,170,171,177,178,179,185,186,198,199,200,209,210,213,216 & 217.**

A2.6 Add the following sections to specification section 02 82 10 Asbestos Abatement – Type 1 Procedures item 1.3 Outline of Work:

1.3.1.3 Remove all transite board and/or ACM fume-hoods and countertops in Science Rooms.

1.3.1.4 Remove and dispose of incandescent light shields where located.

1.3.1.5 Remove and dispose of non-friable asbestos duct connectors from all ducts throughout the building.

A2.7 Reply to questions received on November 13, 2015. See questions and answers below.

QUESTIONS AND ANSWERS

1. QUESTION: *Will the Board produce meeting minutes from the mandatory site meeting?*

ANSWER: At the site visit, all were instructed to submit all questions in writing because there were no meeting minutes being recorded and distributed.

2. QUESTION: *Specifically the quantity of Asbestos we are to remove as noted by the site meeting and as your responsibility as the Generator of this material.*

ANSWER: Refer to Addendum #1, answer to question 11.

3. QUESTION: *Also looking to get the statement that use of a crusher on site to recover the building material is going to be permitted as per the requirements mentioned at the site meeting?*

ANSWER: Refer to Section 02 41 00, Demolition, section 3.2.8.

4. QUESTION: *At the site meeting did you say the Freon will be removed from all the units by others while they are decommissioning the geothermal system?*

ANSWER: The Board will decommission the geothermal system only. Decommissioning of all other mechanical systems will be the responsibility of the demolition contractor. Include the cost to remove Freon from all mechanical units in your tender price.

5. QUESTION: *On page 13 item 4.7.2 Commercial Liability Coverage limit is \$2 million and on page 4 of 14 General Requirements item 1.5.7.1 Insurance CGL limit is \$5,000,000.00. Which is correct?*

ANSWER: The Board and the City of Sarnia requires all bidders to carry \$ 5 million commercial liability coverage. Reference section 01 00 00, General Requirements item 1.5.7.1 for correct coverage amount.

6. QUESTION: *Page 1 of 4 General Requirements item 1.1.5 Summary of Work – will the school board be paying for the hydro and water used during demolition and abatement activities? Or will the meter be read the day the demolition and abatement work starts?*

ANSWER: **The Board will pay the costs for all utilities (hydro, water, etc.). Demolition contractor will need to avoid possible accidental reverse flow with the water and all electrical connections and extensions must meet ESA requirements.**

7. QUESTION: *Page 1 of 7 Demolition item 1.2.1 - calls for protection of active roadway to the north of the facilities to be demolished. Can this roadway not be closed completely? During demolition can they not use the entrance off London Road only to access/exit the hospital parking lot?*

ANSWER: **Refer to drawing 9 for construction limit drawing. The two access lanes from East Street will be turned over to the demolition contractor along with the north parking lot and the majority of the fire lane.**

8. QUESTION: *When the building foundations are removed the existing asphalt roadways/parking lot area on the west and north sides of the buildings will be disturbed in order to remove the foundations. Does the asphalt need to be restored?*

ANSWER: **The contractors will need to cut and remove damaged asphalt. The Board does not expect the contractor to replace the damaged asphalt, only to leave it neat and safe.**

9. QUESTION: *Do the concrete sidewalks from the building to the concrete sidewalk on East Street get removed?*

ANSWER: **Refer to drawing 1 (A2) for clarification on what is to be removed and what is to remain.**

10. QUESTION: *Do the concrete sidewalks and pads on the south side of the building get removed to the curbs along the south side of the building?*

ANSWER: **Refer to drawing 1 (A2) for clarification on what is to be removed and what is to remain.**

11. QUESTION: *When the building foundations are removed on the south side of the building the adjacent to the concrete sidewalk and curb will be disturbed. Does the curb and sidewalk need to be restored?*

ANSWER: Refer to drawing 1 (A2) for clarification on what is to be removed and what is to remain.

12. QUESTION: *Are the large trees along East Street to remain?*

ANSWER: Yes, refer to drawing 1 (A2) for clarification on what is to be removed and what is to remain. Also reference drawing 2 for final site plan drawing.

13. QUESTION: *Page 3 of 7 Demolition item 1.8.3.6 – calls for PCB testing and item 1.8.3.7 states that materials to be disposed of in a landfill are to be submitted for TCLP analysis to determine waste class. Will the school board be paying for these tests directly or will there be a testing allowance that all bidders can carry in the tender?*

ANSWER: All bidders to include for any specific testing requirements in their base bid price. No testing allowance will be provided.

14. QUESTION: *Page 3 of 7 Site Protection item 1.9.6 states filter cloth protective fence around watercourses to the south and east of the buildings to be demolished. Where are the watercourses?*

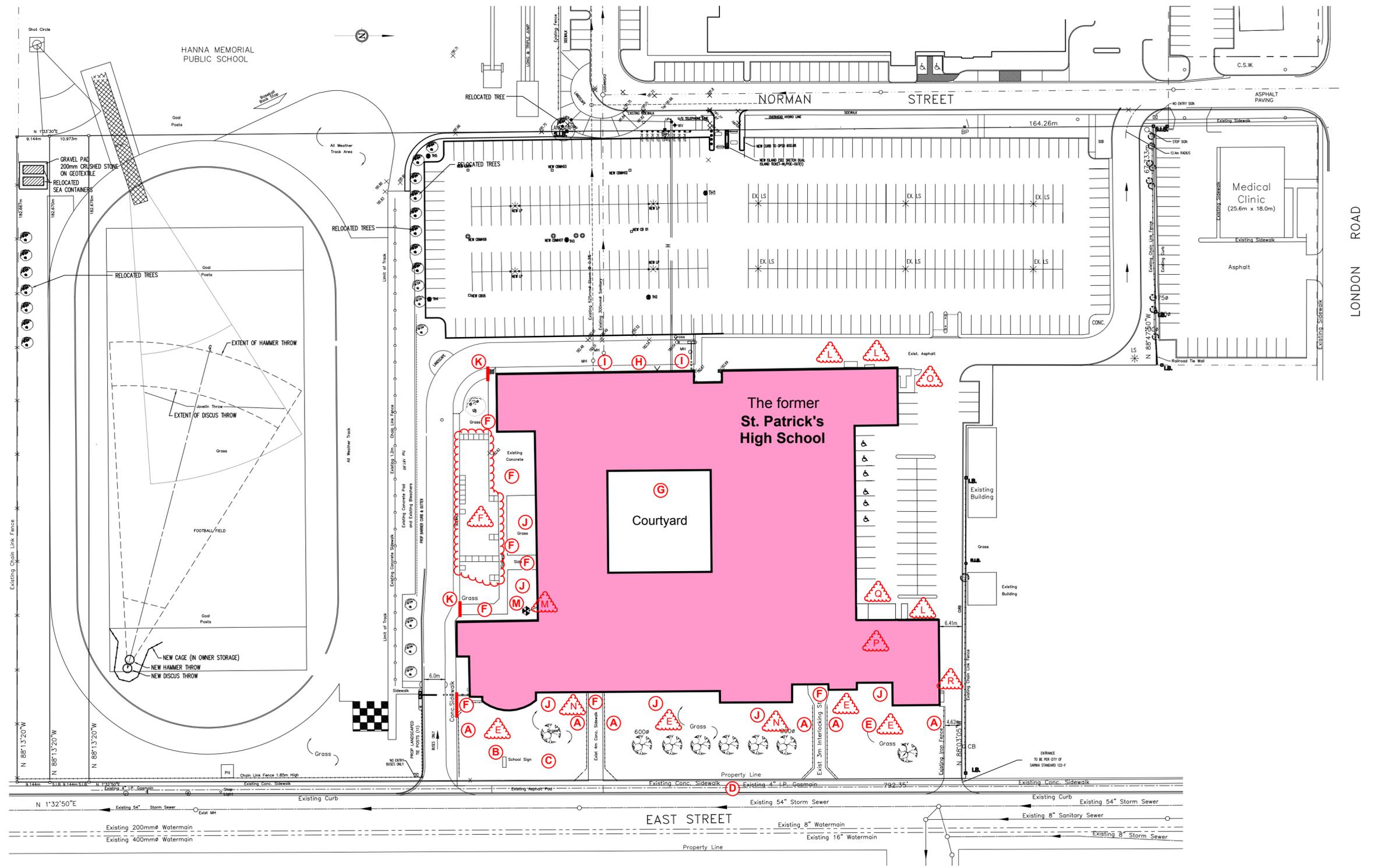
ANSWER: There are no watercourses requirements, please delete this requirement.

15. QUESTION: *Will there be any asbestos quantities for the tunnels so everyone is pricing the same job?*

ANSWER: Refer to Addendum #1, answer to question 11.

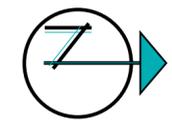
This concludes the addendum #2.

10.0 DRAWINGS



| | | |
|---------------|-------------------|---|
| 11/16/15 | Addendum #2 | 2 |
| 10/25/15 | Issued for tender | 1 |
| Date MM/DD/YY | Description | # |

| | | | |
|-------|--------------|---------|------|
| Date | Nov 16, 2015 | Drawn | J.G. |
| Scale | N.T.S. | Checked | T.M. |

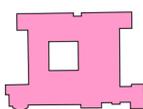


Project Title
Demolition of the former St. Patrick's High School
281 East Street
Sarnia, Ontario

Drawing Title
Demolition Site Plan



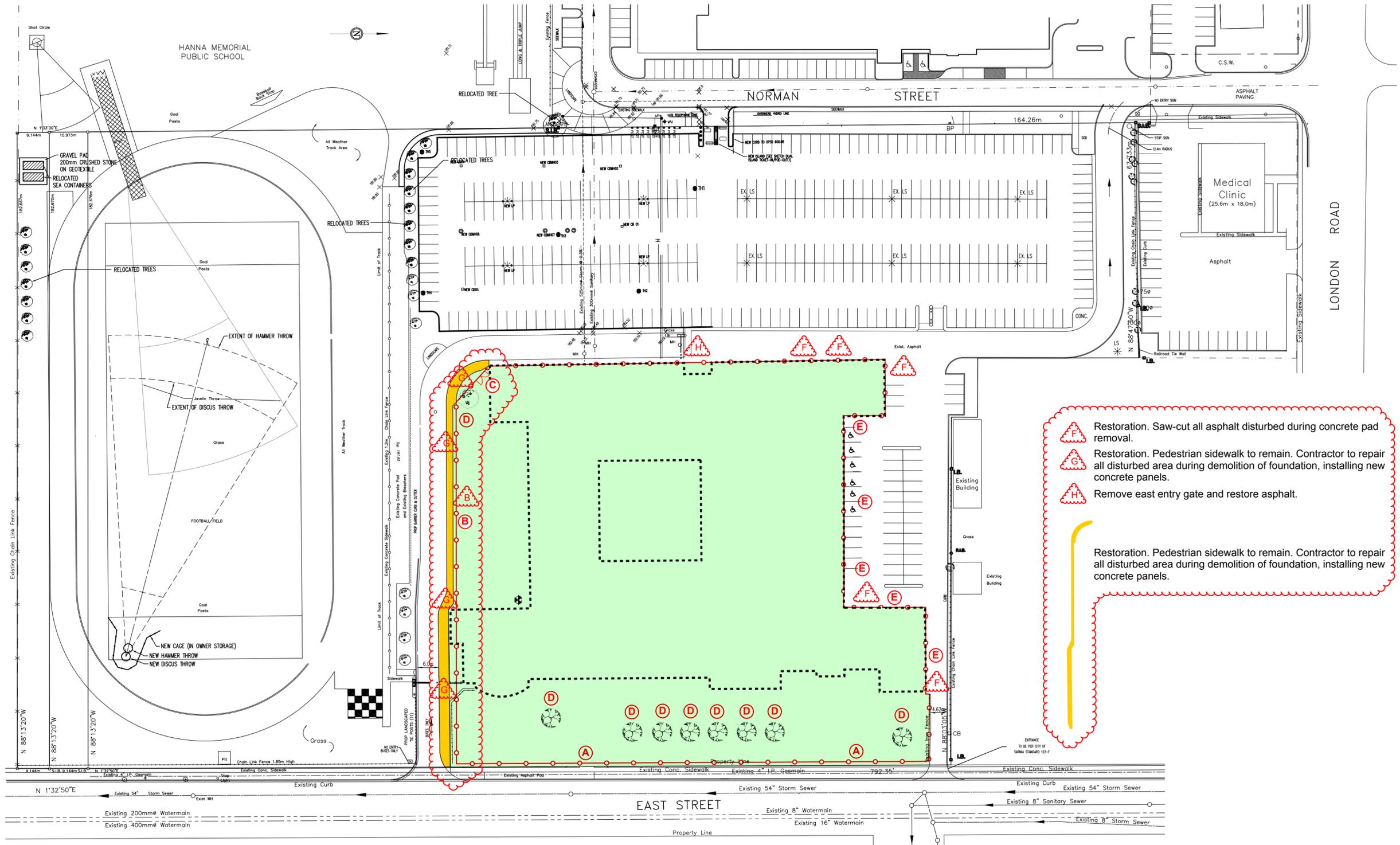
LEGEND

-  Building to be demolished
-  Remove existing guardrails.
-  Remove sign and foundation.
-  Does not exist asphalt pad
-  Cut and cap all existing services at property line.
-  Remove foundation.
-  Remove and dispose of existing concrete sidewalk.
-  Everything in courtyard to be removed and disposed of.
-  Cut and cap existing geo-thermal 2"x25 pipes at removed foundation wall.
-  Cap all services at removed foundation wall.
-  Remove and dispose of all landscaping in courtyard and around building perimeter.
-  Saw-cut to be define on site by the Owner.
-  Remove existing concrete pad.
-  Remove existing steel antenna foundation.

-  Remove light and foundation.
-  Remove existing fence and existing concrete pad.
-  Building shape adjustment.
-  Remove existing concrete pad.
-  Remove exterior concrete stair and guardrail.

DEMOLITION GENERAL NOTES

- 1 Contractor shall insure all work is in conformance with all applicable building codes. Work shall be completed in strict accordance with the latest edition codes of all Federal, Provincial, and Local regulations having jurisdiction over this project. In the event of any discrepancies between agency requirements, the contractor shall observe the more stringent of requirements.
- 2 All work shall comply with the requirements of all public utility companies serving the project site.
- 3 Contractor (and Subcontractors) shall be licensed by the Province in which the project is located and approved in advance by the Owner.
- 4 Contractor shall file all applications, pay for all necessary permits and secure certificates of occupancy for the project.
- 5 All work is to be coordinated with the Owner. The Contractor is to meet with the Owner prior to starting demolition. The Contractor will present the building permit and insurance certificates to the Owner prior to starting demolition.
- 6 Contractor shall provide any necessary measures to protect the workers and other persons during demolition.
- 7 Check with the Owner for coordination of the work under this contract with work of other trades. Owner's regulations govern all aspects of outside contractors working on the property.
- 8 Constructor shall be responsible for the protection of all existing buildings and other installations that are to remain intact while performing the specified work. Provide and maintain fire extinguishers on project site during demolition.
- 9 Contractor shall field verify all dimensions in field prior demolition. Notify the Owner any discrepancies on drawings.
- 10 Visit the site to verify existing conditions. Existing concealed conditions and connections are based upon information taken from limited field investigations. Contractor shall make required adjustments to system components as necessitated by actual field conditions at no additional cost to the Owner.
- 11 The information contained on these drawings of the existing facility is based on the available record drawings and information from previous plant construction. Actual details of construction may not be as indicated on these drawings. A number of alterations have been carried out to the facility over the years, details of which, are not available. Therefore these drawings are only a guide and to be used as best available supplementary information. Contractor to make a site visit to familiarize with the scope of work prior to submitting the bid.
- 12 **Record drawings of the existing facility are available for review at the Maintenance Office at 245 Tecumseh Street, Sarnia, ON. Contractor to refer to these drawings for details. Call 226 402 4824 to make an appointment.**



Restoration. Saw-cut all asphalt disturbed during concrete pad removal.

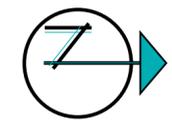
Restoration. Pedestrian sidewalk to remain. Contractor to repair all disturbed area during demolition of foundation, installing new concrete panels.

Remove east entry gate and restore asphalt.

Restoration. Pedestrian sidewalk to remain. Contractor to repair all disturbed area during demolition of foundation, installing new concrete panels.

| Date MM/DD/YY | Description | # |
|---------------|-------------------|---|
| 11/16/15 | Addendum #2 | 2 |
| 10/25/15 | Issued for tender | 1 |

| Date | Drawn |
|--------------|---------|
| Nov 16, 2015 | J.G. |
| Scale | Checked |
| N.T.S. | T.M. |



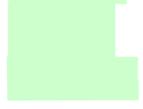
Project Title

Demolition of the former St. Patrick's High School

281 East Street
Sarnia, Ontario

Drawing Title

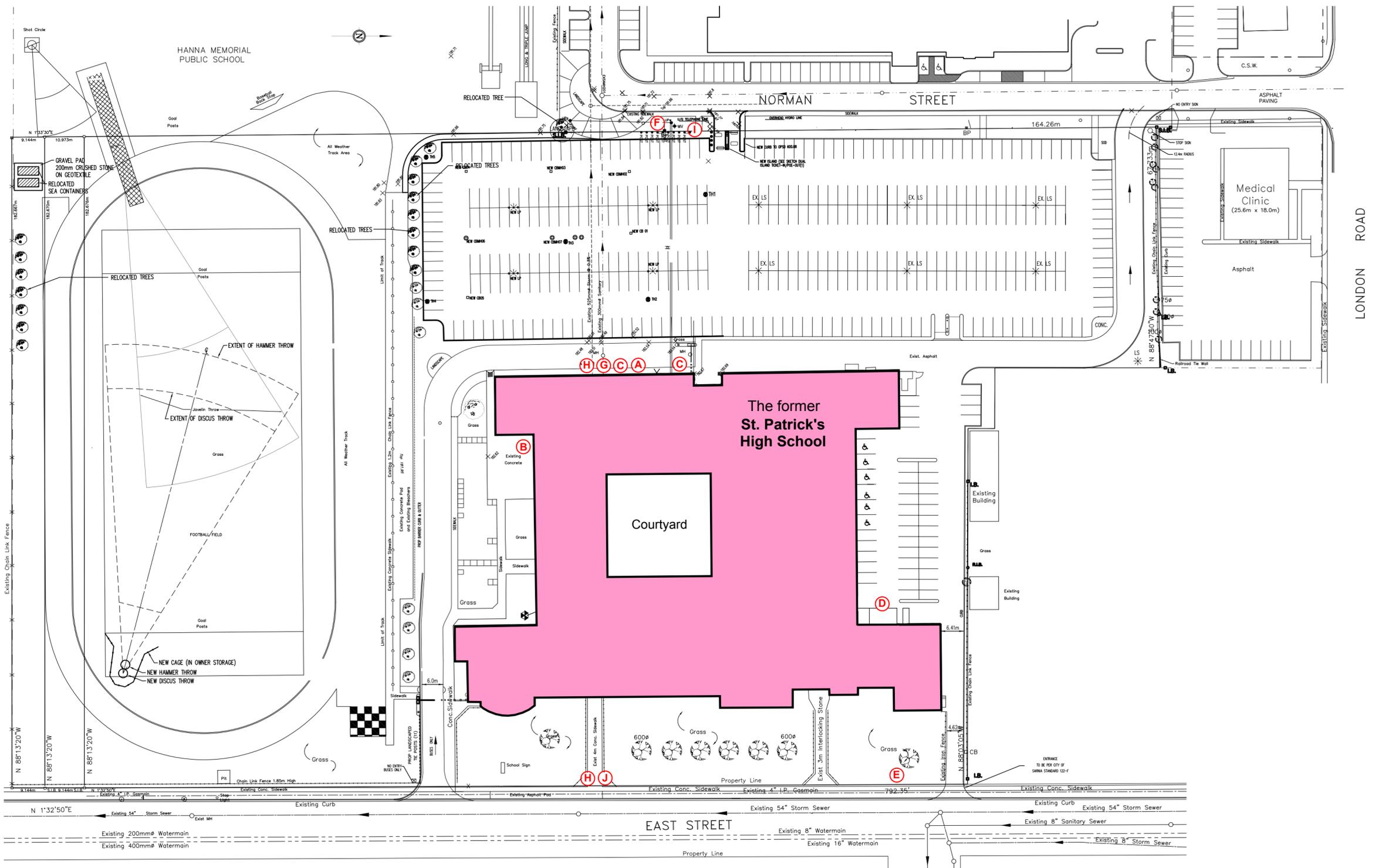
Final Site Plan

- LEGEND**
-  Demolished Building
 -  Designated area to be grass seeded as per specifications
 -  Construction fence and gate. Commercial Chain Link Fence.
 -  2.00 m. distance from property line.
 -  2.00 m. distance from sidewalk
 -  Entrance gate.
 -  Tree protection required for all trees remaining.
 -  Restoration. Saw-cut all asphalt disturbed during demolition of foundation.

- SOIL PREPARATION GENERAL NOTES**
- Soil preparation is an important factor in creating a healthy and long-lasting landscape. Remove existing topsoil and stockpile on site. Topsoil to be incorporated back into the soil at a later date. Contractor to conduct a soil evaluation to determine the soil's composition, compaction rate, nutrient qualities, organic content, PH levels, and water holding capabilities. The ideal particle soil mix is approximately 45% sand, 40% silt, 10% clay and 5% organic material with a PH level near seven.
 - Contractor to prepare soil to ensure a proper environment for plant root development.
 - Contractor to de-compact soils in planting areas by roto-tilling, disking or ripping to a depth of 6-8" minimum and preferably a depth of 12-18". De-compaction of small plant areas, such as those in parking lot areas, may require the removal of the compacted soil to a depth of 18" or more and then re-installed loosely with required amendments. Always remove debris over 2" in size from the soil.
 - When performing soil de-compaction, multiple passes across the area will be required and, when possible, should be at varying angles to ensure adequate coverage. When using disc or ripping equipment, it is required that the final passes over the area be made with a roto-tiller to break up any large clumps to make final grading easier.

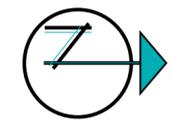
- After initial soil de-compaction procedures are performed, soil amendments should be added. The addition of soil amendments is determined from soil tests conducted prior to work commencing. Soil amendment may include inorganic material such as sand, silt or clay, which help improve soil texture. Organic material such as compost, manure, and peat moss may also be used and help improve soil structure. Other amendments such as fertilizer improve nutrient content and sulfur adjusts the soil PH level. Sulfur shall be incorporated at the rate of one pound or sulfur per 100 square feet.
- All amendments should be mixed thoroughly with existing soil and additional soil test will be taken to ensure proper soil conditions prior to planting.
- During the remainder of the landscape installation, various areas of the site may be re-compacted due to the use of equipment and vehicles. This compaction is typically limited to the upper 4-6" of the soil. Prior to the installation of plant material in these areas, the compaction shall be reduced to 80% or less using previously described methods.

- CHAIN LINK FENCE GENERAL NOTES**
- Height: 4' (1.22 m). Chain link manufactured from the highest quality galvanized wire.
 - Line posts:** galvanized pipe complete with post tops. Line posts are spaced in line fence, maximum 10' (3 m) apart. **Top rail:** galvanized pipe coupled with slip on rail sleeves for every standard length. **Terminal posts:** end, corner and gate posts, galvanized pipe, furnished complete with all necessary bracing, fittings, etc. **Gates:** galvanized pipe, welded construction to match fence. Complete with industrial steel hinges, drop pin latch and one foot bolt on double panels. Hinges to permit opening 180 degrees one way. **Fittings:** all fittings made from first grade malleable iron, pressed steel or aluminum.
 - Post footings:** all line and terminal posts shall be set in concrete footings of the proper diameter and shape to adequate support. **Concrete:** 20.0 mpa at 28 days.
 - Gate, corner and line posts to be set in concrete. Gate posts to be set to opening of gate required measuring from the inside face of the posts. After concrete is sufficiently set, fittings shall be placed on posts.



LONDON ROAD

| 11/16/15 | Issued for Tender (Addendum #2) | 1 |
|---------------|---------------------------------|---------|
| Date MM/DD/YY | Description | # |
| Date | Nov 16, 2015 | Drawn |
| | | J.G. |
| Scale | N.T.S. | Checked |
| | | T.M. |



Project Title

Demolition of the former St. Patrick's High School

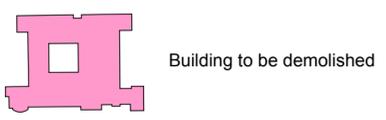
281 East Street
Sarnia, Ontario

Drawing Title

Building Services Disconnection Plan

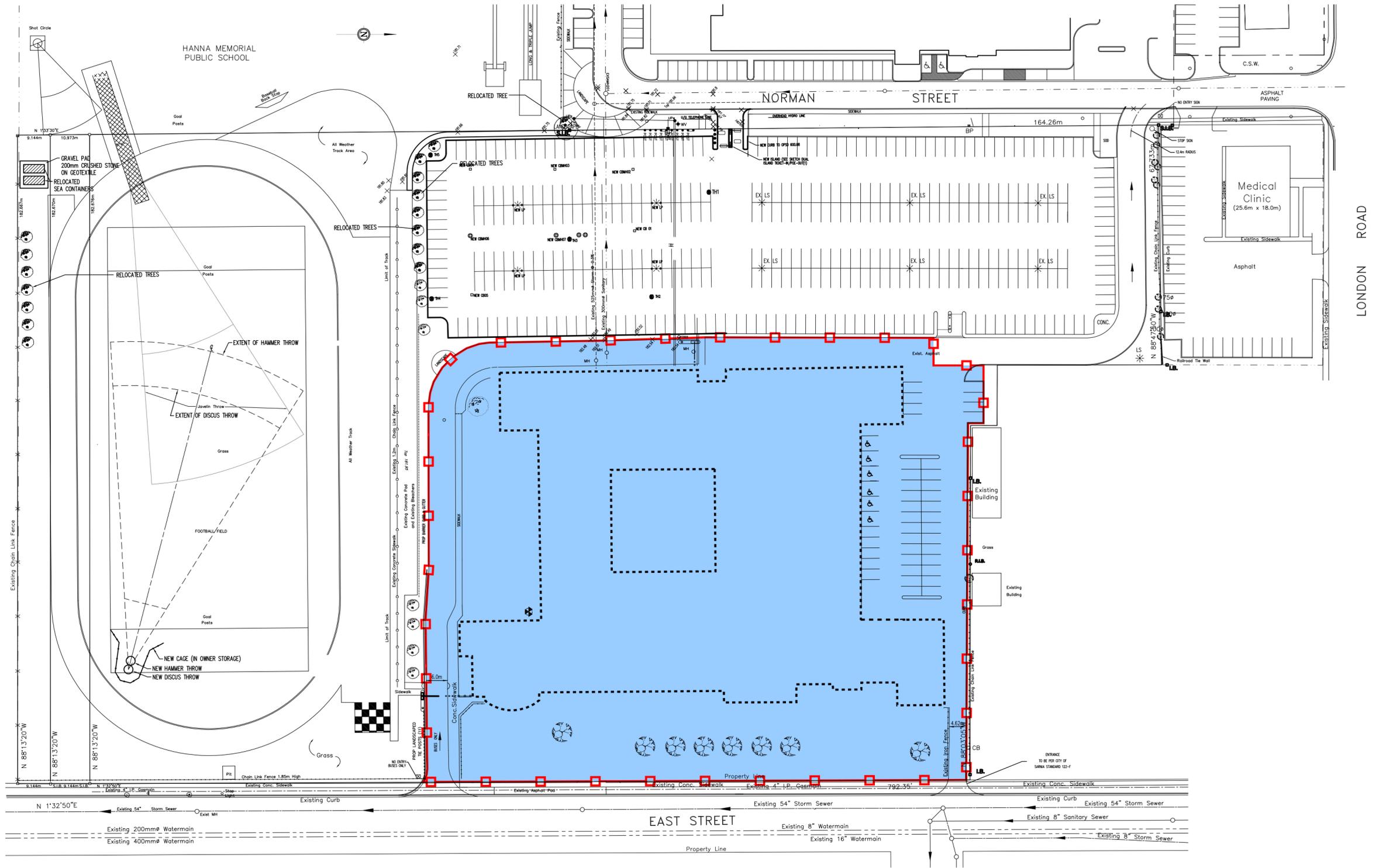
8 A2

LEGEND

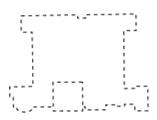


- (A)** Geo-thermal service. Cut and cap existing geo-thermal 2"x25 pipes at removed foundation wall.
- (B)** Irrigation service. Cut and cap existing irrigation piping to soccer field at removed foundation wall.
- (C)** Electricity service. Contractor to coordinate the incoming power termination with Bluewater Power (Hydro), and also include for capping of empty electrical conduits.
- (D)** Gas service. Contractor to coordinate the termination of gas service at main with Union Gas.
- (E)** Water Main service. Contractor to supply and install a mainguard hydrant (see Appendix E) off the 4" service at the property line. Reference City of Sarnia drawing No. 106-SF. Contractor to include for the water system tie-in fee required by the City of Sarnia.
- (F)** Water Main service. Contractor to supply and install a mainguard hydrant off the 6" service at the property line. Reference City of Sarnia drawing No. 106-SF. Contractor to include for the water system tie-in fee required by the City of Sarnia.
- (G)** Sanitary Sewer service. Contractor to decommission 12" vitrified clay sanitary sewer. Supply and install 12" ferroc concrete connector and 3 feet PVC DR 28 Pipe with 12" cap at west property line. East limit of existing 12" sanitary sewer is plugged at the curb line.
- (H)** Storm Sewer service. Contractor to brick up the 21" concrete storm sewer at east and west property lines.
- (I)** Voice-Data-Internet service. Contractor to coordinate the termination of copper and fibre-to-the-node (FTTN) with Bell.
- (J)** Voice-Data-Internet service. Contractor to coordinate the termination of fibre-optic with Cogeco.

Note Contractor to include for the road occupancy permit application.



LEGEND



Demolished Building



Construction Limit. All vehicle traffic to enter/exit using East Street.



Location of fast fence.

| | | |
|-------------------|---------------------------------|---|
| 11/16/15 | Issued for Tender (Addendum #2) | 1 |
| Date MM/DD/YY | Description | # |
| Date Nov 16, 2015 | Drawn J.G. | |
| Scale N.T.S. | Checked T.M. | |



Project Title
Demolition of the former St. Patrick's High School
281 East Street
Sarnia, Ontario

Drawing Title
Construction Limit Plan

APPENDIX B



November 16, 2015

Project #: 15-0632

St. Clair Catholic District School Board
245 Tecumseh St.
Sarnia, ON
N7T 2L1

Attention: Mr. Tony Montanino

**RE: ASBESTOS BULK SAMPLING RESULTS
FORMER ST. PATRICK HIGH SCHOOL – SARNIA, ONTARIO**

INTRODUCTION

At the request of the St. Clair Catholic District School Board (the Board), OH Solutions Inc. (OHS) attended the site of the former St. Patrick High School, located at 281 East Street, in Sarnia, Ontario. The purpose of the visit was to conduct some supplementary asbestos bulk sampling of the finishes at the site.

The sampling included collecting representative samples of roofing materials and plaster finishes from each of the four phases (1952, 1962, 1967 and 1969) of building construction. In addition, samples were collected from the tar on roof mounted ductwork. OHS submitted these samples to Crisp Analytical Laboratories, in Carrollton Texas, for analysis.

METHODOLOGY AND RESULTS

The samples of suspect asbestos-containing materials were analyzed based on US EPA Method 600/R-93/116. Preliminary identification was made using Polarized Light Microscopy (PLM), with confirmation of the presence and type of asbestos made by dispersion staining optical microscopy. This analytical procedure conforms to the requirements outlined in Ontario Regulation 278/05 - Asbestos on Construction Projects and in Buildings and Repair Operations. The results of the analysis are presented below:

| Sample Group | Sample Number | Sample Description | Percent Asbestos |
|---------------------|----------------------|---------------------------|-------------------------|
| 1 | 01 | Roof Material- 1962 | None Detected |
| | 02 | Roof Material- 1962 | None Detected |
| | 03 | Roof Material – 1962 | None Detected |
| | 04 | Roof Material- 1962 | None Detected |
| | 05 | Roof Material – 1962 | None Detected |
| | 06 | Roof Material – 1962 | None Detected |
| | 07 | Roof Material – 1962 | None Detected |
| 2 | 01 | Roof Material – 1969 | None Detected |
| | 02 | Roof Material- 1969 | None Detected |
| | 03 | Roof Material – 1969 | None Detected |

| Sample Group | Sample Number | Sample Description | Percent Asbestos |
|--------------|---------------|--|------------------|
| 4 | 01 | Roof Material – 1967 | None Detected |
| | 02 | Roof Material – 1967 | None Detected |
| | 03 | Roof Material – 1967 | None Detected |
| 5 | 01 | Roof Material – 1962 | None Detected |
| | 02 | Roof Material – 1962 | None Detected |
| | 03 | Roof Material – 1962 | None Detected |
| | 04 | Roof Material – 1962 | None Detected |
| | 05 | Roof Material – 1962 | None Detected |
| 6 | 01 | Smooth Plaster Wall - 1952 - Custodial Washroom, First Floor | None Detected |
| | 02 | Smooth Plaster Wall - 1952 - Corridor first Floor | None Detected |
| | 03 | Smooth Plaster Wall -1952 -Room 109 | None Detected |
| | 04 | Smooth Plaster Wall - 1952 - Room 253 | None Detected |
| | 05 | Smooth Plaster Wall - 1952 - Room 245 | None Detected |
| | 06 | Smooth Plaster Wall - 1952 - Corridor 2 nd Floor | None Detected |
| | 07 | Smooth Plaster Wall - 1952 - Room 206 | None Detected |
| 7 | 01 | Rough Plaster Wall - 1952 - Room 109 | None Detected |
| | 02 | Rough Plaster Wall - 1952 - Corridor To Gym | None Detected |
| | 03 | Rough Plaster Wall - 1952 - Room 245 | None Detected |
| | 04 | Rough Plaster Wall - 1952 - Room 205 | None Detected |
| | 05 | Rough Plaster Wall -1952 -Room 208 | None Detected |
| 8 | 01 | Smooth Plaster Wall- 1962 – Cafeteria | None Detected |
| | 02 | Smooth Plaster Wall- 1962- Cafeteria | None Detected |
| | 03 | Smooth Plaster Wall - 1962 – Cafeteria | None Detected |
| 9 | 01 | Rough Plaster Wall- 1969 -Room 217 | None Detected |
| | 02 | Rough Plaster Wall- 1969 -Room 218 | None Detected |
| | 03 | Rough Plaster Wall- 1969 -Room 117 | None Detected |
| 10 | 01 | Rough Plaster Ceiling - 1962 - Closet In Room 122 | None Detected |
| | 02 | Rough Plaster Ceiling- 1962 - Closet In Rm 119 | None Detected |
| | 03 | Rough Plaster Ceiling - 1962 - Closet In Rm 134 | None Detected |
| | 04 | Rough Plaster Wall - 1962 – Stairwell | None Detected |
| | 05 | Rough Plaster Ceiling - 1962 - Laundry Room Off Room 132 | None Detected |
| 11 | 01 | Smooth Plaster Wall - 1967 – Library | None Detected |
| | 02 | Smooth Plaster Wall - 1967 – Library | None Detected |
| | 03 | Smooth Plaster Wall - 1967 – Library | None Detected |
| 12 | 01 | Scratch Coat Ceiling - 1952 - Room 107 | 2% Chrysotile |
| | 02 | Scratch Coat Ceiling - 1952 - Room 109 | Positive Stop |
| | 03 | Scratch Coat Ceiling - 1952 - Room 210 | Positive Stop |
| | 04 | Scratch Coat Ceiling - 1952 - Room 208 | Positive Stop |
| | 05 | Scratch Coat Ceiling - 1952 - Room 250 | Positive Stop |

| Sample Group | Sample Number | Sample Description | Percent Asbestos |
|--------------|---------------|-------------------------|------------------|
| 13 | 01 | Tar on Rooftop Ductwork | None Detected |
| | 02 | Tar on Rooftop Ductwork | None Detected |
| | 03 | Tar on Rooftop Ductwork | None Detected |

CONCLUSIONS AND RECOMMENDATIONS

No asbestos was detected in any of the roofing samples collected. No asbestos related precautions are necessary for the removal of roofing.

Asbestos was not detected in six of the seven plaster groups submitted. Sample Group 12 includes samples of scratch coat plaster present above lay in ceilings in the 1952 Wing of the building. Based on the appearance of this plaster, it may have been the substrate for a texture coat ceiling finish that has since been removed. This scratch coat plaster was found to contain 2% chrysotile asbestos. Removal of ceiling plaster from the 1952 Wing of the building will require Type 3 asbestos abatement. No asbestos was detected in the other plaster finishes in the building (including other plaster finishes in the 1952 Wing), and these finishes will not require asbestos precautions.

No asbestos was detected in samples collected from tar on the exterior ductwork present on the roof. No asbestos related precautions are necessary for the removal of this material.

CLOSURE

OHS has prepared this report for the exclusive use of our Client. OHS will not be responsible for the use of this report by any third party, or reliance on or any decision to be made based on it without the prior written consent of OHS. OHS accepts no responsibility for damages, if any, by any third party because of decisions or actions based on this report. In addition, the liability due to any responsibility arising out of or relating to this report for OHS, and its officers, directors, employees and agents will be limited to the stated value of the work. However, OHS will not be liable for any consequential, incidental or indirect damages as a result of the performance of this work.

We trust that this information is sufficient for your present purposes. Should you have any questions regarding this matter, please do not hesitate to contact our office.

Respectfully submitted,

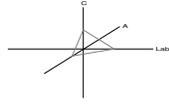


Kris Olson, P.Eng., CIH
OH Solutions Inc.

Enclosure: Certificate of Analysis

CA Labs
Dedicated to
Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798



CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

OH Solutions

119 Thames St S
Ingersoll, ON N5C 2T3

Customer Project: 15-0632, St Patrick
Reference #: CAL15118475CB

Date: 11/13/2015

Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found by PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one of these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

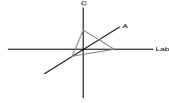
Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

CA Labs

**Dedicated to
Quality**

Crisp Analytical, L.L.C.

1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798



CA Labs, L.L.C.

12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

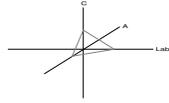
| Customer Project: 15-0632, St Patrick | | CA Labs Project #: CAL15118475CB | | |
|--|---------|--|--|--|
| Sample # | Layer # | Analysts Physical Description of Subsample | Asbestos type / calibrated visual estimate percent | List of Affected Building Material Types |
| 12-01 | 1 | 12-01- Scratch Coat Ceiling/ gray plaster | 2% Chrysotile | gray plaster |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
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Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

- | | | | |
|------------------|--------------|--------------------|--------------------------|
| ca - carbonate | pe - perlite | fg - fiberglass | pa - palygorskite (clay) |
| gypsum - gypsum | qu - quartz | mw - mineral wool | |
| bi - binder | | wo - wollastinite | |
| or - organic | | ta - talc | |
| ma - matrix | | sy - synthetic | |
| mi - mica | | ce - cellulose | |
| ve - vermiculite | | br - brucite | |
| ot - other | | ka - kaolin (clay) | |

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CA LabsDedicated to
Quality**Crisp Analytical, L.L.C.**1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization**

Customer Info: Attn:

OH Solutions119 Thames St S
Ingersoll, ON N5C 2T3

Phone # (519) 268 - 2200

Fax # (866) 700 - 4975

Customer Project:

15-0632, St Patrick

Turnaround Time:

2 Days

CA Labs Project #:

CAL15118475CB

Date: 11/13/2015

Samples Received: 11/12/15 10:30am

Date Of Sampling: None Given

Purchase Order #:

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|-------------------------|-------------------------------|--|--------------------------------------|-------------------------------|
|----------|-------------|------------|-----------------------|-------------------------|-------------------------------|--|--------------------------------------|-------------------------------|

| | | | | | | | | |
|-------|--|---|--|---|---|----------------------|-------|-----------|
| 01-01 | | 1 | | 01-01- Roof Material/ black rolled roofing with gray gravel | y | None Detected | 3% ce | 97% qu,bi |
|-------|--|---|--|---|---|----------------------|-------|-----------|

| | | | | | | | | |
|--|--|---|--|---|---|----------------------|--------|-----------|
| | | 2 | | 01-01- various black tar and black felt layers | n | None Detected | 16% fg | 84% qu,bi |
|--|--|---|--|---|---|----------------------|--------|-----------|

| | | | | | | | | |
|--|--|---|--|----------------------------------|---|----------------------|---------|--|
| | | 3 | | 01-01- brown fibrous paneling | y | None Detected | 100% ce | |
|--|--|---|--|----------------------------------|---|----------------------|---------|--|

| | | | | | | | | |
|--|--|---|--|-----------------------|---|----------------------|--|------------|
| | | 4 | | 01-01- yellow foam | y | None Detected | | 100% qu,or |
|--|--|---|--|-----------------------|---|----------------------|--|------------|

| | | | | | | | | |
|-------|--|---|--|---|---|----------------------|-------|-----------|
| 01-02 | | 1 | | 01-02- Roof Material/ black rolled roofing with gray gravel | y | None Detected | 6% ce | 94% qu,bi |
|-------|--|---|--|---|---|----------------------|-------|-----------|

| | | | | | | | | |
|--|--|---|--|---|---|----------------------|--------|-----------|
| | | 2 | | 01-02- various black tar and black felt layers | n | None Detected | 14% fg | 86% qu,bi |
|--|--|---|--|---|---|----------------------|--------|-----------|

| | | | | | | | | |
|--|--|---|--|----------------------------------|---|----------------------|---------|--|
| | | 3 | | 01-02- brown fibrous paneling | y | None Detected | 100% ce | |
|--|--|---|--|----------------------------------|---|----------------------|---------|--|

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

| | | | |
|-----------------|------------------|-------------------|--------------------------|
| ca - carbonate | mi - mica | fg - fiberglass | ce - cellulose |
| gypsum - gypsum | ve - vermiculite | mw - mineral wool | br - brucite |
| bi - binder | ot - other | wo - wollastinite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:

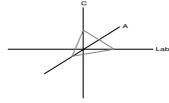
Jimmie Webster
AnalystJulio Robles
AnalystQAC
Leslie Crisp, P.G.Technical Manager
Chad Lytle

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Polarized Light Asbestiform Materials Characterization

| | | | |
|--------------------------|--------------|--------------------------|---|
| Customer Info: | Attn: | Customer Project: | CA Labs Project #: |
| OH Solutions | | | CAL15118475CB |
| 119 Thames St S | | 15-0632, St Patrick | Date: 11/13/2015 |
| Ingersoll, ON N5C 2T3 | | Turnaround Time: | Samples Received: 11/12/15 10:30am |
| Phone # (519) 268 - 2200 | | 2 Days | Date Of Sampling: None Given |
| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Physical Description of Subsample | Homo-geneous (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|----------|---------|---|--------------------|--|-----------------------------------|----------------------------|
| | | 01-02-4 | yellow foam | y | None Detected | | 100% qu,or |
| 01-03 | | 01-03-1 | Roof Material/ black rolled roofing with gray gravel | y | None Detected | 5% ce | 95% qu,bi |
| | | 01-03-2 | various black tar and black felt layers | n | None Detected | 18% fg | 82% qu,bi |
| | | 01-03-3 | brown fibrous paneling | y | None Detected | 100% ce | |
| | | 01-03-4 | yellow foam | y | None Detected | | 100% qu,or |
| 01-04 | | 01-04-1 | Roof Material/ black rolled roofing with gray gravel | y | None Detected | 8% ce | 92% qu,bi |
| | | 01-04-2 | various black tar and black felt layers | n | None Detected | 17% fg | 83% qu,bi |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

| | | | |
|-----------------|------------------|-------------------|--------------------------|
| ca - carbonate | mi - mica | fg - fiberglass | ce - cellulose |
| gypsum - gypsum | ve - vermiculite | mw - mineral wool | br - brucite |
| bi - binder | ot - other | wo - wollastinite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:

Jimmie Webster
Analyst

Julio Robles
Analyst

QAC
Leslie Crisp, P.G.

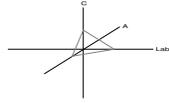
Technical Manager
Chad Lytle

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Polarized Light Asbestiform Materials Characterization

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| Phone # (519) 268 - 2200 | | 2 Days | Date Of Sampling: None Given |
| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|-------------|-----------------------|--|-------------------------------|--|--------------------------------------|-------------------------------|
| | | 01-04- 3 | | brown fibrous paneling | y | None Detected | 100% ce | |
| | | 01-04- 4 | | yellow foam | y | None Detected | | 100% qu,or |
| 01-05 | | 01-05- 1 | | Roof Material/ black rolled roofing with gray gravel | y | None Detected | 5% ce | 95% qu,bi |
| | | 01-05- 2 | | various black tar and black felt layers | n | None Detected | 17% fg | 83% qu,bi |
| | | 01-05- 3 | | brown fibrous paneling | y | None Detected | 100% ce | |
| | | 01-05- 4 | | yellow foam | y | None Detected | | 100% qu,or |
| 01-06 | | 01-06- 1 | | Roof Material/ black rolled roofing with gray gravel | y | None Detected | 8% ce | 92% qu,bi |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

| | | | |
|-----------------|------------------|-------------------|--------------------------|
| ca - carbonate | mi - mica | fg - fiberglass | ce - cellulose |
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Approved Signatories:

Jimmie Webster
Analyst

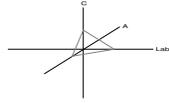
Julio Robles
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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization**Customer Info: **Attn:****OH Solutions**119 Thames St S
Ingersoll, ON N5C 2T3

Phone # (519) 268 - 2200

Fax # (866) 700 - 4975

Customer Project:

15-0632, St Patrick

Turnaround Time:

2 Days

CA Labs Project #:

CAL15118475CB

Date: 11/13/2015**Samples Received:** 11/12/15 10:30am**Date Of Sampling:** None Given**Purchase Order #:**

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|-------------------------|-------------------------------|--|--------------------------------------|-------------------------------|
|----------|-------------|------------|-----------------------|-------------------------|-------------------------------|--|--------------------------------------|-------------------------------|

01-06- various black tar and black felt
2 layers

n

None Detected

15% fg

85% qu,bi

01-06-
3 brown fibrous paneling

y

None Detected

100% ce

01-06-
4 yellow foam

y

None Detected

100% qu,or

01-07 **Roof Material/** black rolled
1 roofing with gray gravel

y

None Detected

7% ce

93% qu,bi

01-07- various black tar and black felt
2 layers

n

None Detected

14% fg

86% qu,bi

01-07-
3 brown fibrous paneling

y

None Detected

100% ce

01-07-
4 yellow foam

y

None Detected

100% qu,or

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

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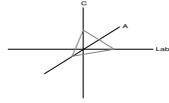
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Approved Signatories:

Jimmie Webster
AnalystJulio Robles
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|--------------------------|--------------|--------------------------|---|
| Customer Info: | Attn: | Customer Project: | CA Labs Project #: |
| OH Solutions | | | CAL15118475CB |
| 119 Thames St S | | | |
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| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|---|-------------------------------|--|--------------------------------------|-------------------------------|
| 02-01 | | 1 | | 02-01- Roof Material/ black rolled roofing with gray gravel | y | None Detected | 6% ce | 94% qu,bi |
| | | 2 | | 02-01- various black tar and black felt layers | n | None Detected | 16% fg | 84% qu,bi |
| | | 3 | | 02-01- brown fibrous paneling | y | None Detected | 100% ce | |
| | | 4 | | 02-01- yellow foam | y | None Detected | | 100% qu,or |
| | | 5 | | 02-01- white drywall with brown paper | y | None Detected | 22% ce | 78% qu,gy |
| 02-02 | | 1 | | 02-02- Roof Material/ black rolled roofing with gray gravel | y | None Detected | 7% ce | 93% qu,bi |
| | | 2 | | 02-02- various black tar and black felt layers | n | None Detected | 18% fg | 82% qu,bi |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

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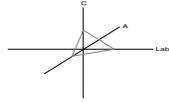
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Polarized Light Asbestiform Materials Characterization

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| Phone # (519) 268 - 2200 | | 2 Days | Date Of Sampling: None Given |
| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|---|-------------------------------|--|--------------------------------------|-------------------------------|
| 02-02-3 | | | | brown fibrous paneling | y | None Detected | 100% ce | |
| 02-02-4 | | | | yellow foam | y | None Detected | | 100% qu,or |
| 02-03 | | | | 02-03- Roof Material/ black rolled 1 roofing with gray gravel | y | None Detected | 9% ce | 91% qu,bi |
| | | | | 02-03- various black tar and black felt 2 layers | n | None Detected | 14% fg | 86% qu,bi |
| | | | | 02-03-3 brown fibrous paneling | y | None Detected | 100% ce | |
| | | | | 02-03-4 yellow foam | y | None Detected | | 100% qu,or |
| 04-01 | | | | 04-01- Roof Material/ black rolled 1 roofing with gray gravel | y | None Detected | 7% ce | 93% qu,bi |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

| | | | |
|-----------------|------------------|-------------------|--------------------------|
| ca - carbonate | mi - mica | fg - fiberglass | ce - cellulose |
| gypsum - gypsum | ve - vermiculite | mw - mineral wool | br - brucite |
| bi - binder | ot - other | wo - wollastinite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:

Jimmie Webster
Analyst

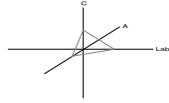
Julio Robles
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA LabsDedicated to
Quality**Crisp Analytical, L.L.C.**1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization**

Customer Info: Attn:

OH Solutions119 Thames St S
Ingersoll, ON N5C 2T3

Phone # (519) 268 - 2200

Fax # (866) 700 - 4975

Customer Project:

15-0632, St Patrick

Turnaround Time:

2 Days

CA Labs Project #:

CAL15118475CB

Date: 11/13/2015

Samples Received: 11/12/15 10:30am

Date Of Sampling: None Given

Purchase Order #:

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|----------------------------|-------------------------------|--|--------------------------------------|-------------------------------|
|----------|-------------|------------|-----------------------|----------------------------|-------------------------------|--|--------------------------------------|-------------------------------|

04-01- various black tar and black felt
2 layers

n

None Detected

15% fg

85% qu,bi

04-01-
3 brown fibrous paneling

y

None Detected

100% ce

04-01-
4 yellow foam

y

None Detected

100% qu,or

04-02 04-02- Roof Material/ black rolled
1 roofing with gray gravel

y

None Detected

9% ce

91% qu,bi

04-02- various black tar and black felt
2 layers

n

None Detected

17% fg

83% qu,bi

04-02-
3 brown fibrous paneling

y

None Detected

100% ce

04-02-
4 yellow foam

y

None Detected

100% qu,or

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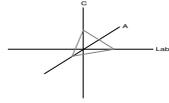
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Phone 225-751-5632
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119 Thames St S
Ingersoll, ON N5C 2T3Phone # (519) 268 - 2200
Fax # (866) 700 - 4975**Customer Project:**
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Date Of Sampling: None Given
Purchase Order #:

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|----------|-------------|------------|-----------------------|--|-------------------------------|--|--------------------------------------|-------------------------------|
| 04-03 | | 1 | | <i>04-03- Roof Material/ black rolled roofing with gray gravel</i> | y | None Detected | 8% ce | 92% qu,bi |
| | | 2 | | <i>04-03- various black tar and black felt layers</i> | n | None Detected | 19% fg | 81% qu,bi |
| | | 3 | | <i>04-03- brown fibrous paneling</i> | y | None Detected | 100% ce | |
| | | 4 | | <i>04-03- yellow foam</i> | y | None Detected | | 100% qu,or |
| 05-01 | | 1 | | <i>05-01- Roof Material/ black rolled roofing with gray gravel</i> | y | None Detected | 9% ce | 91% qu,bi |
| | | 2 | | <i>05-01- various black tar and black felt layers</i> | n | None Detected | 14% fg | 86% qu,bi |
| | | 3 | | <i>05-01- brown fibrous paneling</i> | y | None Detected | 100% ce | |

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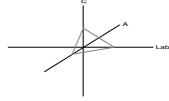
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|----------|-------------|------------|-----------------------|-------------------------|-------------------------------|--|--------------------------------------|-------------------------------|

05-01-

4 yellow foam

y

None Detected

100% qu,or

05-02

05-02- **Roof Material/** black rolled
1 roofing with gray gravel

y

None Detected

11% ce

89% qu,bi

05-02- various black tar and black felt
2 layers

n

None Detected

17% fg

83% qu,bi

05-02-

3 brown fibrous paneling

y

None Detected

100% ce

05-02-

4 yellow foam

y

None Detected

100% qu,or

05-03

05-03- **Roof Material/** black rolled
1 roofing with gray gravel

y

None Detected

8% ce

92% qu,bi

05-03- various black tar and black felt
2 layers

n

None Detected

15% fg

85% qu,bi

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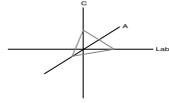
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Polarized Light Asbestiform Materials Characterization

| | | | |
|--------------------------|--------------|--------------------------|---|
| Customer Info: | Attn: | Customer Project: | CA Labs Project #: |
| OH Solutions | | | CAL15118475CB |
| 119 Thames St S | | 15-0632, St Patrick | Date: 11/13/2015 |
| Ingersoll, ON N5C 2T3 | | Turnaround Time: | Samples Received: 11/12/15 10:30am |
| Phone # (519) 268 - 2200 | | 2 Days | Date Of Sampling: None Given |
| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Physical Description of Subsample | Homo-geneous (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|----------|---------|---|--------------------|--|-----------------------------------|----------------------------|
| | | 05-03-3 | brown fibrous paneling | y | None Detected | 100% ce | |
| | | 05-03-4 | yellow foam | y | None Detected | | 100% qu,or |
| 05-04 | | 05-04-1 | Roof Material/ black rolled roofing with gray gravel | y | None Detected | 7% ce | 93% qu,bi |
| | | 05-04-2 | various black tar and black felt layers | n | None Detected | 14% fg | 86% qu,bi |
| | | 05-04-3 | brown fibrous paneling | y | None Detected | 100% ce | |
| | | 05-04-4 | yellow foam | y | None Detected | | 100% qu,or |
| 05-05 | | 05-05-1 | Roof Material/ black rolled roofing with gray gravel | y | None Detected | 8% ce | 92% qu,bi |

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Analyst

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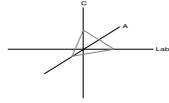
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|----------|----------|---------|---|--------------------|--|-----------------------------------|----------------------------|
| | | | 05-05- various black tar and black felt 2 layers | n | None Detected | 13% fg | 87% qu,bi |
| | | | 05-05- 3 brown fibrous paneling | y | None Detected | 100% ce | |
| | | | 05-05- 4 yellow foam | y | None Detected | | 100% qu,or |
| | | | Smooth Plaster Wall/ tan | | | | |
| 06-01 | | 1 | 06-01- surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | | 06-01- 2 gray plaster | y | None Detected | | 100% qu,ca |
| | | | Smooth Plaster Wall/ tan | | | | |
| 06-02 | | 1 | 06-02- surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | | 06-02- 2 gray plaster | y | None Detected | | 100% qu,ca |

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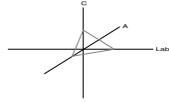
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|----------|-------------|------------|-----------------------|--|-------------------------------|--|--------------------------------------|-------------------------------|
| 06-03 | | 1 | | Smooth Plaster Wall/ tan 06-03- surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | 2 | | 06-03- gray plaster | y | None Detected | | 100% qu,ca |
| 06-04 | | 1 | | Smooth Plaster Wall/ tan 06-04- surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | 2 | | 06-04- gray plaster | y | None Detected | | 100% qu,ca |
| 06-05 | | 1 | | Smooth Plaster Wall/ tan 06-05- surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | 2 | | 06-05- gray plaster | y | None Detected | | 100% qu,ca |
| 06-06 | | 1 | | 06-06- Smooth Plaster Wall/ white surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |

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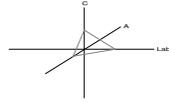
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|----------|----------|---------|---|---------------------|--|-----------------------------------|----------------------------|
| | | 06-06-2 | gray plaster | y | None Detected | | 100% qu,ca |
| | | | Smooth Plaster Wall/ tan | | | | |
| 06-07 | | 06-07-1 | surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | 06-07-2 | gray plaster | y | None Detected | | 100% qu,ca |
| 07-01 | | 07-01-1 | Rough Plaster Wall/ tan surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |
| 07-02 | | 07-02-1 | Rough Plaster Wall/ tan surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |
| 07-03 | | 07-03-1 | Rough Plaster Wall/ gray surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |
| 07-04 | | 07-04-1 | Rough Plaster Wall/ gray surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |

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| gypsum - gypsum | ve - vermiculite | mw - mineral wool | br - brucite |
| bi - binder | ot - other | wo - wollastinite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:

Jimmie Webster
Analyst

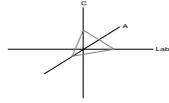
Julio Robles
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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4. Layer not analyzed - attached to previous positive layer and contamination is suspected
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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA LabsDedicated to
Quality**Crisp Analytical, L.L.C.**1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization**

| | | | |
|--------------------------|--------------|--------------------------|---|
| Customer Info: | Attn: | Customer Project: | CA Labs Project #: |
| OH Solutions | | | CAL15118475CB |
| 119 Thames St S | | | |
| Ingersoll, ON N5C 2T3 | | 15-0632, St Patrick | Date: 11/13/2015 |
| | | Turnaround Time: | Samples Received: 11/12/15 10:30am |
| Phone # (519) 268 - 2200 | | 2 Days | Date Of Sampling: None Given |
| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|--|-------------------------------|--|--------------------------------------|-------------------------------|
| 07-05 | | 1 | | 07-05- Rough Plaster Wall/ tan surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |
| 08-01 | | 1 | | 08-01- Smooth Plaster Wall/ tan surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| 08-02 | | 2 | | 08-01- gray plaster | y | None Detected | | 100% qu,ca |
| 08-02 | | 1 | | 08-02- Smooth Plaster Wall/ tan surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| 08-03 | | 2 | | 08-02- gray plaster | y | None Detected | | 100% qu,ca |
| 08-03 | | 1 | | 08-03- Smooth Plaster Wall/ tan surfaced white finishing compound | n | None Detected | | 100% qu,bi,ca |
| | | 2 | | 08-03- gray plaster | y | None Detected | | 100% qu,ca |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

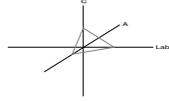
| | | | |
|-----------------|------------------|-------------------|--------------------------|
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| bi - binder | ot - other | wo - wollastinite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:

Jimmie Webster
AnalystJulio Robles
AnalystQAC
Leslie Crisp, P.G.Technical Manager
Chad Lytle

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Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization**Customer Info: **Attn:****OH Solutions**119 Thames St S
Ingersoll, ON N5C 2T3

Phone # (519) 268 - 2200

Fax # (866) 700 - 4975

Customer Project:

15-0632, St Patrick

Turnaround Time:

2 Days

CA Labs Project #:

CAL15118475CB

Date: 11/13/2015**Samples Received:** 11/12/15 10:30am**Date Of Sampling:** None Given**Purchase Order #:**

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|----------------------------|-------------------------------|--|--------------------------------------|-------------------------------|
|----------|-------------|------------|-----------------------|----------------------------|-------------------------------|--|--------------------------------------|-------------------------------|

| | | | | | | | | |
|-------|--|--|--|---|---|----------------------|--|---------------|
| 09-01 | | | | 09-01- Rough Plaster Wall/ tan 1 surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |
|-------|--|--|--|---|---|----------------------|--|---------------|

| | | | | | | | | |
|--|--|--|--|--------------------------|---|----------------------|--|------------|
| | | | | 09-01- 2 gray plaster | y | None Detected | | 100% qu,ca |
|--|--|--|--|--------------------------|---|----------------------|--|------------|

| | | | | | | | | |
|-------|--|--|--|---|---|----------------------|--|---------------|
| 09-02 | | | | 09-02- Rough Plaster Wall/ tan 1 surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |
|-------|--|--|--|---|---|----------------------|--|---------------|

| | | | | | | | | |
|--|--|--|--|--------------------------|---|----------------------|--|------------|
| | | | | 09-02- 2 gray plaster | y | None Detected | | 100% qu,ca |
|--|--|--|--|--------------------------|---|----------------------|--|------------|

| | | | | | | | | |
|-------|--|--|--|---|---|----------------------|--|---------------|
| 09-03 | | | | 09-03- Rough Plaster Wall/ tan 1 surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |
|-------|--|--|--|---|---|----------------------|--|---------------|

| | | | | | | | | |
|--|--|--|--|--------------------------|---|----------------------|--|------------|
| | | | | 09-03- 2 gray plaster | y | None Detected | | 100% qu,ca |
|--|--|--|--|--------------------------|---|----------------------|--|------------|

| | | | | | | | | |
|-------|--|--|--|---|---|----------------------|--|---------------|
| 10-01 | | | | 10-01- Rough Plaster Ceiling/ tan 1 surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |
|-------|--|--|--|---|---|----------------------|--|---------------|

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

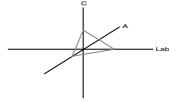
| | | | |
|-----------------|------------------|-------------------|--------------------------|
| ca - carbonate | mi - mica | fg - fiberglass | ce - cellulose |
| gypsum - gypsum | ve - vermiculite | mw - mineral wool | br - brucite |
| bi - binder | ot - other | wo - wollastinite | ka - kaolin (clay) |
| or - organic | pe - perlite | ta - talc | pa - palygorskite (clay) |
| ma - matrix | qu - quartz | sy - synthetic | |

Approved Signatories:

Jimmie Webster
AnalystJulio Robles
AnalystQAC
Leslie Crisp, P.G.Technical Manager
Chad Lytle

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9. < 1% Result point counted positive
10. TEM analysis suggested

CA LabsDedicated to
Quality**Crisp Analytical, L.L.C.**1929 Old Denton Road
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Phone 972-242-2754
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization**

| | | | |
|--------------------------|--------------|--------------------------|---|
| Customer Info: | Attn: | Customer Project: | CA Labs Project #: |
| OH Solutions | | | CAL15118475CB |
| 119 Thames St S | | 15-0632, St Patrick | Date: 11/13/2015 |
| Ingersoll, ON N5C 2T3 | | Turnaround Time: | Samples Received: 11/12/15 10:30am |
| Phone # (519) 268 - 2200 | | 2 Days | Date Of Sampling: None Given |
| Fax # (866) 700 - 4975 | | | Purchase Order #: |

| Sample # | Com ment | Layer # | Analysts Subsample | Physical Description of | Homo- geneo us (Y/N) | Asbestos type / calibrated visual estimate percent | Non-asbestos fiber type / percent | Non-fibrous type / percent |
|----------|-------------|------------|-----------------------|---|-------------------------------|--|--------------------------------------|-------------------------------|
| 10-02 | | 1 | | 10-02- Rough Plaster Ceiling/ green surfaced gray finishing plaster | n | None Detected | | 100% qu,bi,ca |
| 10-03 | | 1 | | 10-03- Rough Plaster Ceiling/ green surfaced gray finishing plaster | n | None Detected | | 100% qu,bi,ca |
| 10-04 | | 1 | | 10-04- Rough Plaster Wall/ yellow surfaced gray finishing plaster | n | None Detected | | 100% qu,bi,ca |
| 10-05 | | 1 | | 10-05- Rough Plaster Ceiling/ white surfaced gray plaster | n | None Detected | | 100% qu,bi,ca |
| 11-01 | | 1 | | 11-01- Smooth Plaster Wall/ white surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |
| | | 2 | | 11-01- gray plaster | y | None Detected | | 100% qu,ca |
| 11-02 | | 1 | | 11-02- Smooth Plaster Wall/ white surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

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| | | | |
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Approved Signatories:

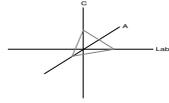
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CA Labs
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Polarized Light Asbestiform Materials Characterization

| | | | |
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|----------|-------------|-------------|-----------------------|---|-------------------------------|--|--------------------------------------|-------------------------------|
| | | 11-02- 2 | | gray plaster | y | None Detected | | 100% qu,ca |
| 11-03 | | 11-03- 1 | | Smooth Plaster Wall/ white surfaced white finishing plaster | n | None Detected | | 100% qu,bi,ca |
| | | 11-03- 2 | | gray plaster | y | None Detected | | 100% qu,ca |
| 12-01 | | 12-01- 1 | | Scratch Coat Ceiling/ gray plaster | y | 2% Chrysotile | | 98% qu,ca |
| 12-02 | | 12-02- 1 | | Scratch Coat Ceiling/ gray plaster | | Positive Stop | | |
| 12-03 | | 12-03- 1 | | Scratch Coat Ceiling/ gray plaster | | Positive Stop | | |
| 12-04 | | 12-04- 1 | | Scratch Coat Ceiling/ gray plaster | | Positive Stop | | |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.
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Analyst

Julio Robles
Analyst

QAC
Leslie Crisp, P.G.

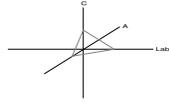
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Polarized Light Asbestiform Materials Characterization

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|----------|-------------|------------|---|-------------------------------|--|--------------------------------------|-------------------------------|
| 12-05 | | 1 | 12-05- Scratch Coat Ceiling/ gray plaster | | Positive Stop | | |
| 13-01 | | 1 | 13-01- Exterior Duct Tar on Roof/ silver surfaced black tar | n | None Detected | | 100% qu,bi |
| | | 2 | 13-01- yellow and gray insulation | n | None Detected | 100% fg | |
| 13-02 | | 1 | 13-02- Exterior Duct Tar on Roof/ silver surfaced black tar | n | None Detected | | 100% qu,bi |
| 13-03 | | 1 | 13-03- Exterior Duct Tar on Roof/ silver surfaced black tar | n | None Detected | | 100% qu,bi |
| | | 2 | 13-03- yellow insulation with foil | n | None Detected | 90% fg | 10% qu,ot |

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.
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Analyst

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QAC
Leslie Crisp, P.G.

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APPENDIX C



THE CORPORATION OF THE CITY OF SARNIA
City Solicitor/Clerk's Department
255 Christina Street N. PO Box 3018
Sarnia ON Canada N7T 7N2
519 332-0330 519 332-3995 (fax)
519 332-2664 (TTY)
www.sarnia.ca clerks@sarnia.ca

357 Assessment Reduction Application

Dear Sir/Madam:

This is to advise you, that as you are applying for a demolition permit, the property owned by you may be entitled to an adjustment in Municipal Taxes under Section 357 of the Municipal Act.

If you wish to pursue this matter further, and would like to be sent a 357 Assessment Reduction Application form, would you please contact me at the City Clerk's office, 332-0330, Ext. 350; if you have any questions.

Sincerely,

3350

Carol Barr
Licensing Clerk

/cb



CORPORATION OF THE CITY OF SARNIA
P.O. Box 3018 Sarnia, ON N7T 7N2
Telephone: (519)332-0330, Ext 301
Fax: (519)332-0776

Application for a Permit to Demolish
This form is authorized under subsection 8(1.1) of the Building Code Act.

| For use by Principal Authority | | | |
|--|---------------|--------------------------------|----------------------------|
| Application number: | | Permit number (if different): | |
| Date received: | | Roll number: | |
| Application submitted to: _____ (Name of municipality, upper-tier municipality, board of health or conservation authority) | | | |
| A. Project Information | | | |
| Building number, street name | | Unit number | Lot/con. |
| Municipality | Postal code | Plan number/other description | |
| Project value est. \$ | | Area of work (m ²) | |
| B. Purpose of application | | | |
| <input type="checkbox"/> New construction <input type="checkbox"/> Addition to an existing building <input type="checkbox"/> Alteration/repair <input type="checkbox"/> Demolition <input type="checkbox"/> Conditional Permit | | | |
| Proposed use of building | | Current use of building | |
| Description of proposed work | | | |
| C. Applicant Applicant is: <input type="checkbox"/> Owner or <input type="checkbox"/> Authorized agent of owner | | | |
| Last name | | First name | Corporation or partnership |
| Street address | | Unit number | Lot/con. |
| Municipality | Postal code | Province | E-mail |
| Telephone number () | Fax () | Cell number () | |
| D. Owner (if different from applicant) | | | |
| Last name | | First name | Corporation or partnership |
| Street address | | Unit number | Lot/con. |
| Municipality | Postal code | Province | E-mail |
| Telephone number () | Fax () | Cell number () | |

| | | | |
|---|-------------|--|--|
| E. Builder (optional) | | | |
| Last name | First name | Corporation or partnership (if applicable) | |
| Street address | | | Unit number Lot/con. |
| Municipality | Postal code | Province | E-mail |
| Telephone number () | Fax () | Cell number () | |
| F. Tarion Warranty Corporation (Ontario New Home Warranty Program) | | | |
| i. Is proposed construction for a new home as defined in the <i>Ontario New Home Warranties Plan Act</i> ? If no, go to section G. | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| ii. Is registration required under the <i>Ontario New Home Warranties Plan Act</i> ? | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| iii. If yes to (ii) provide registration number(s): _____ | | | |
| G. Required Schedules | | | |
| i) Attach Schedule 1 for each individual who reviews and takes responsibility for design activities. | | | |
| ii) Attach Schedule 2 where application is to construct on-site, install or repair a sewage system. | | | |
| H. Completeness and compliance with applicable law | | | |
| i) This application meets all the requirements of clauses 1.3.1.3 (5) (a) to (d) of Division C of the Building Code (the application is made in the correct form and by the owner or authorized agent, all applicable fields have been completed on the application and required schedules, and all required schedules are submitted). Payment has been made of all fees that are required, under the applicable by-law, resolution or regulation made under clause 7(1)(c) of the <i>Building Code Act, 1992</i> , to be paid when the application is made. | | | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |
| ii) This application is accompanied by the plans and specifications prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> . | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| iii) This application is accompanied by the information and documents prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law. | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| iv) The proposed building, construction or demolition will not contravene any applicable law. | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| I. Declaration of applicant | | | |
| I _____ declare that: (print name) | | | |
| 1. The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge. | | | |
| 2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership. | | | |
| _____ Date | | _____ Signature of applicant | |

Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 2nd Floor, Toronto, M5G 2E5 (416) 585-6666.

DEMOLITION INFORMATION

ADDRESS: _____

TYPE OF BUILDING TO BE DEMOLISHED: _____

SIZE OF BUILDING: _____ **ESTIMATED COST:** _____

The applicant is to phone or contact each of the following companies to disconnect their services and have a representative sign below:

| | |
|--|--|
| Union Gas Colleen McIlmoyle 1-855-228-4898 ext. 5111130 <i>cmcilmoyle@uniongas.com</i> | |
| Bluewater Power (For Water) Brenda Larsen 855 Confederation Street 519-337-8201 ext. 2214 <i>blarsen@bluewaterpower.com</i> | |
| Bluewater Power (For Hydro) 855 Confederation Street 519-337-8201 <i>mjanjatovic@bluewaterpower.com</i> | |
| Bell Canada Georgina McCaw 211 Lochiel Street 519-383-8298 <i>georgina.mccaw@bell.ca</i> | |
| Sarnia Fire Department 240 East Street 519-332-1122 <i>fire@sarnia.ca</i> | |
| Tax Department City Hall 1 st Floor 519-332-0330 ext. 3338 | |
| Engineering Department City Hall 3 rd Floor 519-332-0330 ext. 3376 <i>engineering@sarnia.ca</i> | |
| Planning Department City Hall 3 rd Floor 519-332-0330 ext. 3303 <i>planning@sarnia.ca</i> | |
| Chief Building Official City Hall 3 rd Floor 519-332-0330 ext. 3303 <i>building@sarnia.ca</i> | |

It is expressly understood and agreed that the issuing of a permit does not relieve the Owner or Agent from complying with all said laws and regulations although not called for in the specifications or shown on plans submitted. The Owner or Agent further agrees that if the permit issued is revoked for any irregularity of non-conformity with the said laws or regulations or variation from the plans and specifications submitted herewith, the Owner or Agent shall have no claim or cause of action against the City for same, or the results thereof, including, without limiting the generality of the foregoing, the necessity of repairing, demolishing or taking any other steps in relation to the property of the work done thereon. The Owner or Agent further agrees, at all times, to indemnify the Corporation from any and all claims for damages to persons or properties, including costs of repairs to or replacement of sidewalks, trees, curbs, gutters or lawns arising out of any or all acts or work being done in connection with the work outlined herein.

I certify that I have knowledge of the particulars contained in this application and they are fully and truly stated to the best of my knowledge and belief. I certify that I have authority to sign this Application and this said Application is executed in a manner binding upon the Owner.

This application shall be read with all changes of gender or number required by the context.

Date: _____ **Owner or Agent:** _____

- Note (1) Trees and sidewalks are considered to be in good condition unless shown to be otherwise by applicant.
- Note (2) All demolition work is to be carried out in a safe and workmanlike manner and in accordance with the requirements prescribed in the current regulations under the Occupational Health and Safety Act.
- Note (3) The site shall be raked clean and no debris of combustible or non-combustible nature shall be left on the premises.
- Note (4) Where the following conditions occur the applicant shall ensure that a professional engineer is responsible for field review of the demolition project; where the structure includes pre-tensioned or post-tensioned members; where it is proposed that the demolition will extend below the level of the footings of any adjacent building and occur within the angle of repose of the soil drawn from the bottom of such footings; where explosives or a laser are to be used during the course of demolition.
- Note (5) Sign off by the City or other Authorities having jurisdiction does not relieve the applicant or his agent from obtaining service locates prior to commencing work on site

CALL FOR SERVICE LOCATIONS PRIOR TO STARTING @ 1-800-400-2255



THE CORPORATION OF THE CITY OF SARNIA
Planning and Building Department
255 Christina Street N. PO Box 3018
Sarnia ON Canada N7T 7N2
519 332-0330 ext. 301345 519 332-0776 (fax)
519 332-2664 (TTY)
www.sarnia.ca buildept@sarnia.ca

Asbestos and Demolition/Renovation Work

Before starting work on a demolition or renovation job, the owner of the structure must complete a report indicating whether any asbestos-containing material is likely to be handled, dealt with or disturbed, or removed. This report must include drawings, plans, and specifications as appropriate. If you're doing a demolition or renovation project and you haven't received this Owner's Report, ask for it. Depending on the type of asbestos present, a certified asbestos removal worker may be required to do the job.

Go to www.csa.org/images/pfiles/328_DS037.pdf to download *Asbestos: Controls for Construction, Demolition, and Renovation*. This handbook will tell you what you need to know about asbestos and how to protect yourself and your workers.

Construction Safety Association of Ontario
21 Voyager Court South
Etobicoke, Ontario M9W 5M7 Canada
Tel.: 1-800-781-2726 Fax: (416) 674-8866
www.csa.org

APPENDIX D



ROAD OCCUPANCY PERMIT APPLICATION

Permit # _____

M.C. # _____

Date: _____

Valid Until: _____

Location of Work:

Between _____

Occupancy Type: Utility Install / Repair Road Crossing Maintenance

City Infrastructure Affected: Asphalt Concrete Curb Concrete Sidewalk
 Shoulder Topsoil/Sod

Approximate Size of Cut: _____

Temporary Asphalt Required? Yes No

Closure Required: Yes No Date: _____ # of days _____

Certificate of Insurance Submitted Yes No

Permit Fee \$ 125 (\$125) Paid Yes No

Traffic Control Plan Submitted: _____ Figure TL _____ Site Specific

All barricades, signs, signals, traffic control persons and detour design shall meet all requirement of Book 7 Ontario Traffic Manual - Temporary Conditions. Access for emergency vehicles must be maintained at all times, unless approved by City Engineer.

General Conditions.

- The applicant undertakes to comply with all other applicable provisions of By-law 145 of 1991 of the City of Sarnia, as amended and the conditions established on the permit. I/We agree to assume all liability and/or cost incurred by the City of Sarnia as a result of the occupancy to maintain the work area and to indemnify and save harmless the Corporation until final completion and approval.
- Any person intending to occupy or perform work on City of Sarnia property, must first apply to the Engineering Department for approval prior to commencement of work. Application for road occupancy permit is to be made at least 48 hours in advance during normal working hours (8:00am to 4:00pm, Monday to Friday) at 519-332-0330
- The applicant assumes all maintenance and liability for temporary repairs (ie temporary asphalt) until such time as permanent repairs are completed for the work described herein
- The applicant shall have the permit available at all times during which work is in progress
- The permit becomes null and void if the applicant should fail to meet the requirements of the permit, in which case, the City Engineer or his designate shall take action as he deems necessary to reinstate the site for public protection at the expense of the applicant. In all cases the decision of the City Engineer is final.
- As a condition of issuance of this permit the applicant must produce to the City Engineer evidence of insurance covered by a public liability and property damage insurance to a minimum of \$5,000,000.00 inclusive limits, as required by By-law 145 of 1991. Liability effective until the work for which this permit is issued is complete and to the satisfaction of the City Engineer.
- It is the responsibility of the applicant to fully comply with the latest revisions of all statutes, regulations and orders of the Occupational Health and Safety Act of Ontario, City of Sarnia Standards and Safety Regulations, and Book 7. The City of Sarnia may give notice to the Ministry of Labour as specified under the Occupational Health and Safety Act and Regulations for Construction Projects

Special Requirements: _____

Name of Applicant: _____

Address of Applicant: _____

Phone Number of Contact Person: _____

Signature of Applicant _____ Approved _____

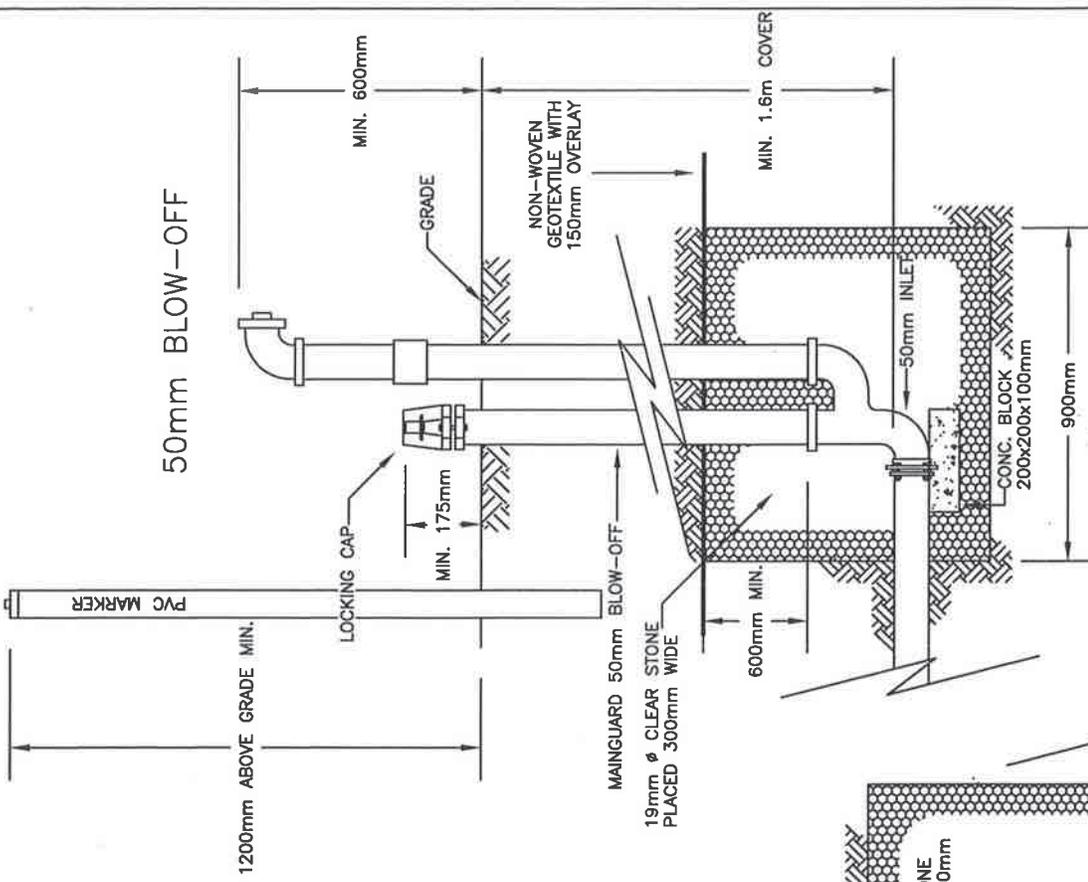
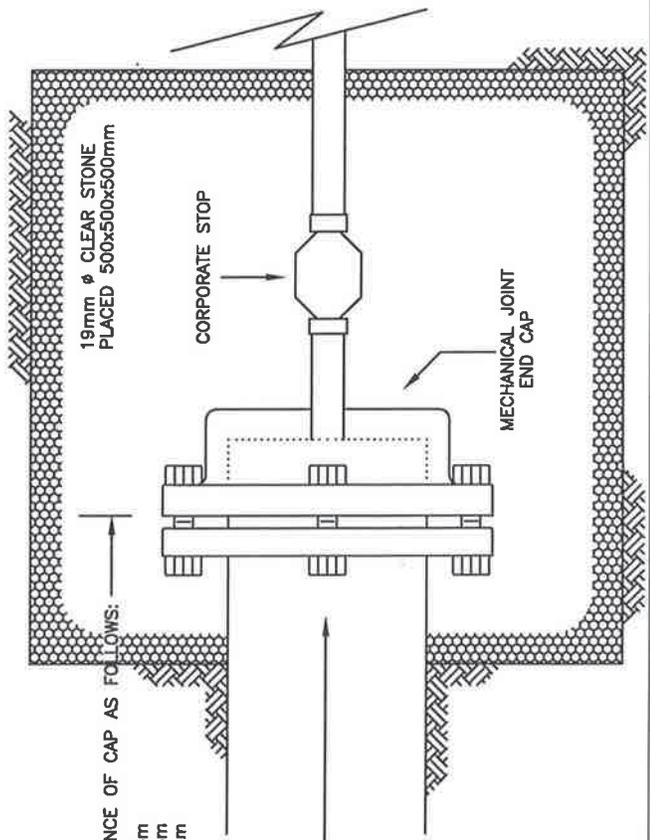
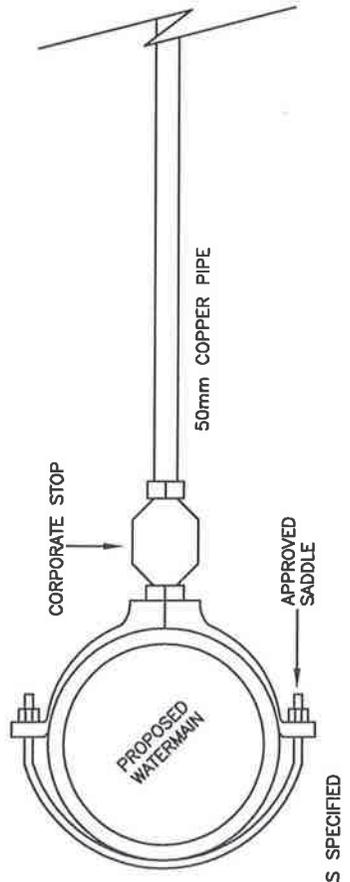
| Public Works - Office Only | | | |
|----------------------------|--------------------------------------|----------------|-----|
| Age of Pavement | Fee per sq m. or m. of pavement cut | Cut size (Est) | Fee |
| | Concrete Sidewalk - \$120 per sq. m. | | |
| | Concrete Curb - \$120 per m. | | |
| 2 years or less | Asphalt - \$24.00 per sq m. | | |
| 2 to 4 years | Asphalt - \$20.00 " | | |
| 4 to 7 years | Asphalt - \$16.00 " | | |
| 7 to 10 years | Asphalt - \$10.00 " | | |
| 10 or more years | Asphalt - \$4.00 " | | |

①, ② (Water System tie-in fee) class 1 water certificate required supervise the tie-in - \$500 flat rate per tie in = \$1000

APPENDIX E

NOTES:

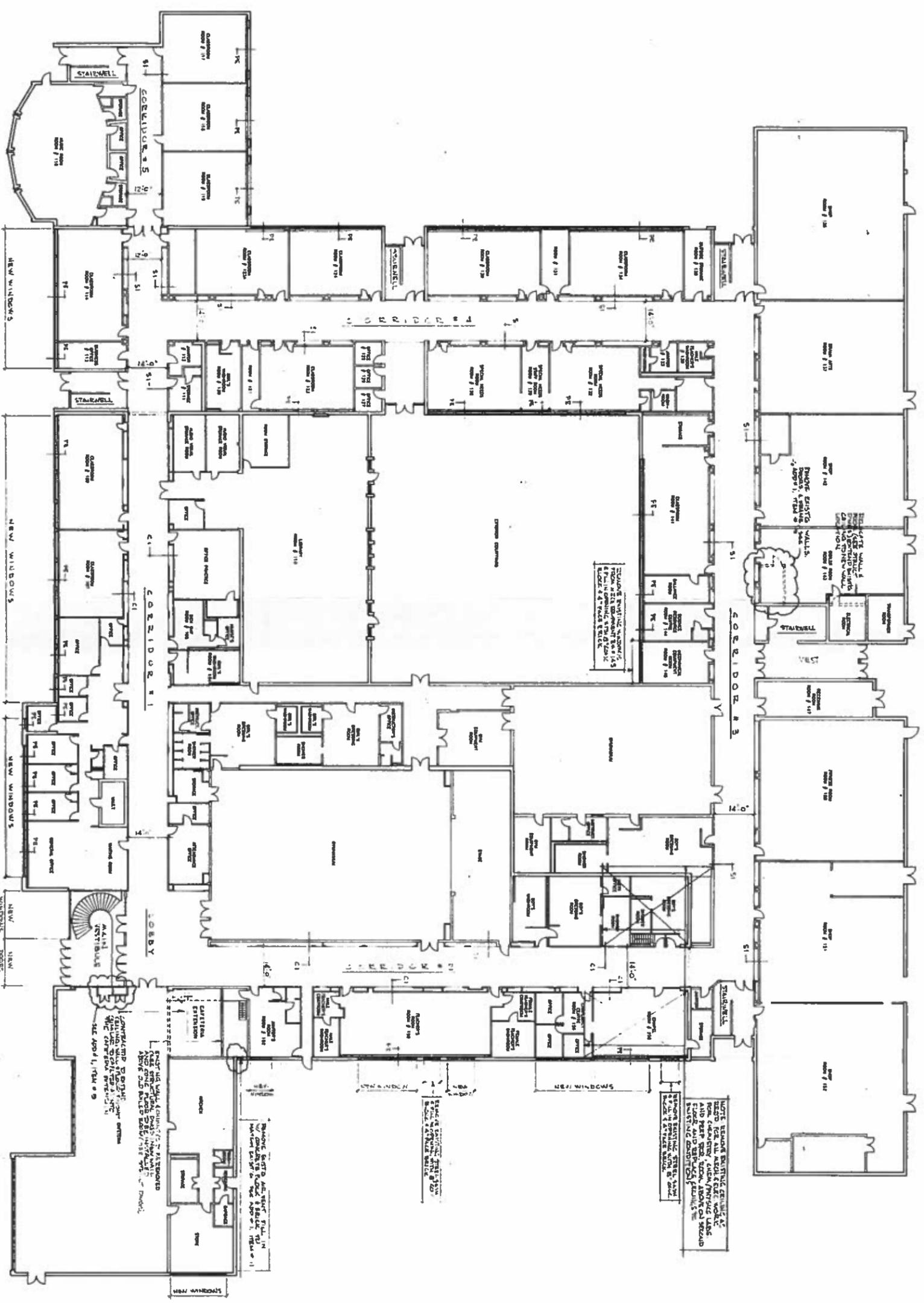
- 1) BLOW-OFFS WILL BE FURNISHED WITH A 50mm M.J. INLET, A NON-TURNING OPERATING ROD AND SHALL OPEN TO THE LEFT. ALL OF THE WORKING PARTS SHALL BE OF BRONZE-TO-BRONZE DESIGN, AND BE SERVICEABLE FROM ABOVE GRADE WITH NO DIGGING. UNITS SHALL OPERATE WITH A STANDARD 2" GATE VALVE WRENCH. WHEN OPEN, VALVE SHALL BE 100% UNOBSTRUCTED AND DRAIN HOLE SHALL BE COVERED. THE OUTLET SHALL BE 2" FIP WITH PLUG AND EXTEND A MINIMUM OF 600mm ABOVE THE GROUND, AS MANUFACTURED BY KUPFERLE FOUNDRY CO., ST. LOUIS, MO. MODEL #77, OR APPROVED EQUAL.
- 2) CONTRACTOR TO CONTACT SARNIA PUBLIC WORKS TO PLACE LOCK DURING WATERMAIN COMMISSIONING



| | |
|---|-----------------------|
| CITY OF SARNIA | |
| TYPICAL 50mm WATERMAIN BLOWOFF (MAINGUARD HYDRANT) | |
| APPROVED BY: | BK. |
| DRAWN BY: C.H. | SCALE: N.T.S. |
| CHK' BY: | DATE: 02/08 |
| | DWG.No. 106-SF |

TEMPORARY DEAD END CAP AS PER CITY OF SARNIA STANDARDS, SECTION 3, C-11

APPENDIX F



| ROOM FINISH SCHEDULE | | | | | | | | | |
|-------------------------|--------------|--------------|--------------|--------|--|--|--|--|--|
| ROOM NAME | FLOOR | WALLS | CEILING | HEIGHT | REMARKS | | | | |
| CORRIDORS 1 & 2 - LAMBY | PAINTED WALL | PAINTED WALL | PAINTED WALL | 9'-0" | REMOVE EXISTING WALLS & REBUILD WITH NEW BRICKWORK. REBUILD EXISTING WALLS WITH BRICKWORK. | | | | |
| CORRIDORS 3 & 4 - J.S. | PAINTED WALL | PAINTED WALL | PAINTED WALL | 9'-0" | REMOVE EXISTING WALLS & REBUILD WITH NEW BRICKWORK. REBUILD EXISTING WALLS WITH BRICKWORK. | | | | |

NOTE: REMOVE EXISTING CEILING & REBUILD FOR ALL ROOMS EXCEPT WORKSHOP. REMOVE EXISTING WALLS & REBUILD WITH NEW BRICKWORK. REBUILD EXISTING WALLS WITH BRICKWORK.

REMOVE EXISTING WALLS & REBUILD WITH NEW BRICKWORK. REBUILD EXISTING WALLS WITH BRICKWORK.

REMOVE EXISTING WALLS & REBUILD WITH NEW BRICKWORK. REBUILD EXISTING WALLS WITH BRICKWORK.

| Revisions | |
|-----------|---------|
| No. | Date |
| 1 | 1952-01 |

T. H. GRAY & ASSOCIATES
ENGINEERING LIMITED
107 DUNDAS ST. W. TORONTO, ONT. M5G 1C5
TEL. 591-1234

GENERAL NOTE
NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL
ISSUED FOR CONSTRUCTION

Lamb Jordan & Cook
ARCHITECTS
107 DUNDAS ST. W. TORONTO, ONT. M5G 1C5
TEL. 591-1234



Project
L.C.R.C.S.B.
ST. PATRICK'S SCHOOL
RENOVATIONS

Location
SARNIA
Client
LAMBERTON R.C.S.S.B.

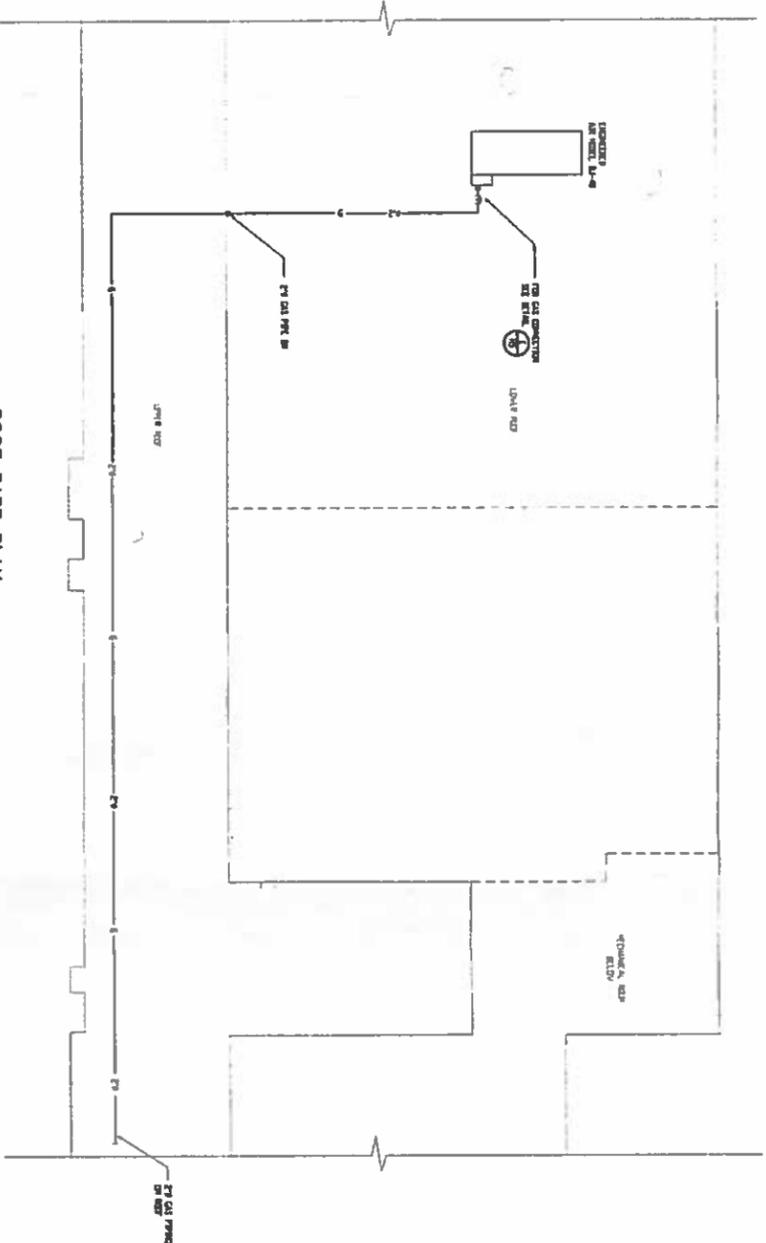
Project No.
91-2723
Date
January 23, 1952

Scale
1/16" = 1'-0"
Drawn by
odh
Checked by
odh

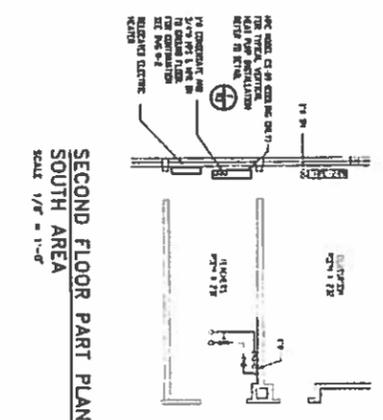
Drawing Title
first floor plan

A-1

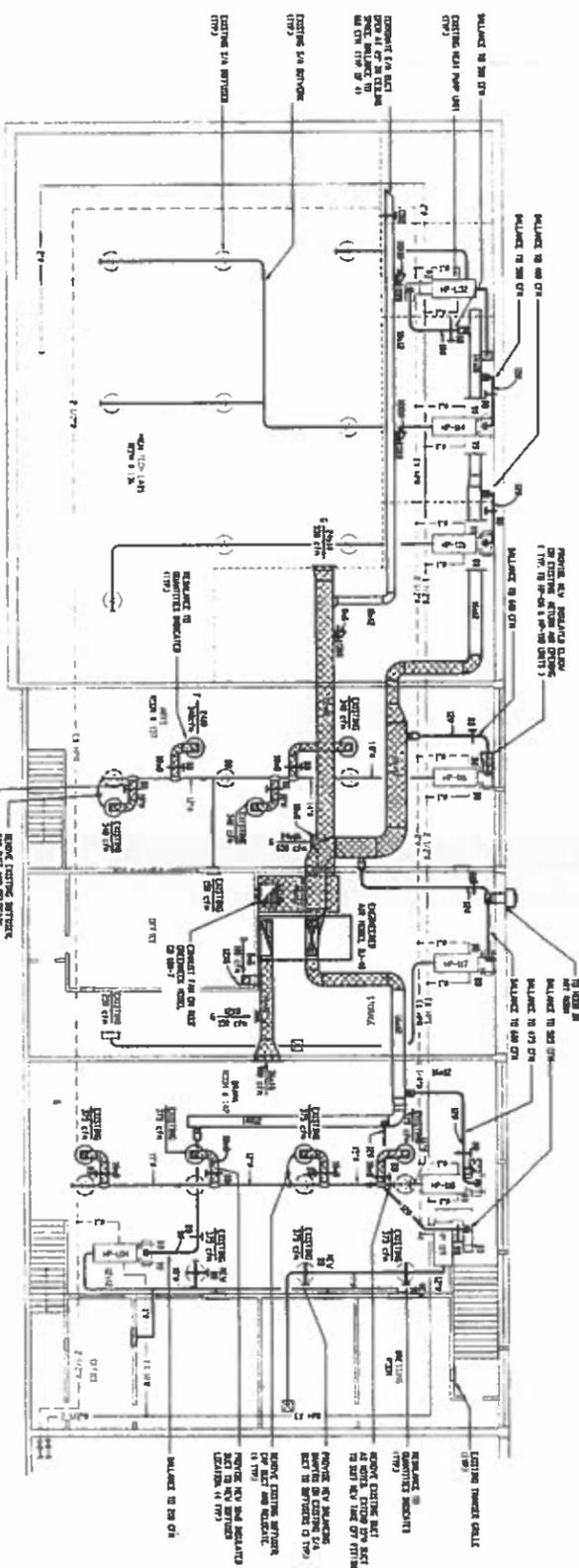
Ground Floor Plan



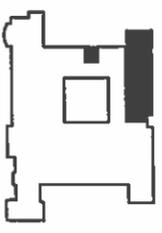
ROOF PART PLAN
SOUTH - WEST AREA
SCALE 1/8" = 1'-0"



SECOND FLOOR PART PLAN
SOUTH AREA
SCALE 1/8" = 1'-0"



MEZZANINE PART PLAN
SOUTH - WEST AREA
SCALE 1/8" = 1'-0"



KEY PLAN

By using this plan, the contractor is deemed to have accepted the design of the building and the design of the roof structure. The contractor is responsible for the construction of the building and the roof structure. The contractor is responsible for the construction of the building and the roof structure. The contractor is responsible for the construction of the building and the roof structure.

| NO. | DATE | BY | FOR |
|-----|------------|----|----------|
| 1 | 1988.05.27 | AS | AS NOTED |
| 2 | 1988.05.27 | AS | AS NOTED |
| 3 | 1988.05.27 | AS | AS NOTED |
| 4 | 1988.05.27 | AS | AS NOTED |
| 5 | 1988.05.27 | AS | AS NOTED |
| 6 | 1988.05.27 | AS | AS NOTED |
| 7 | 1988.05.27 | AS | AS NOTED |
| 8 | 1988.05.27 | AS | AS NOTED |
| 9 | 1988.05.27 | AS | AS NOTED |
| 10 | 1988.05.27 | AS | AS NOTED |

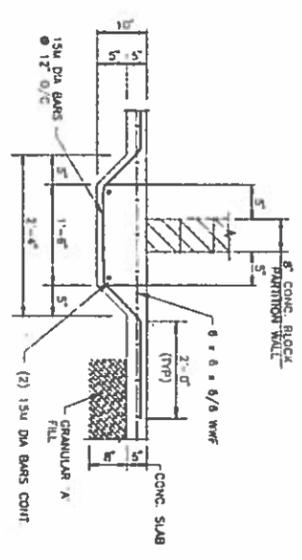
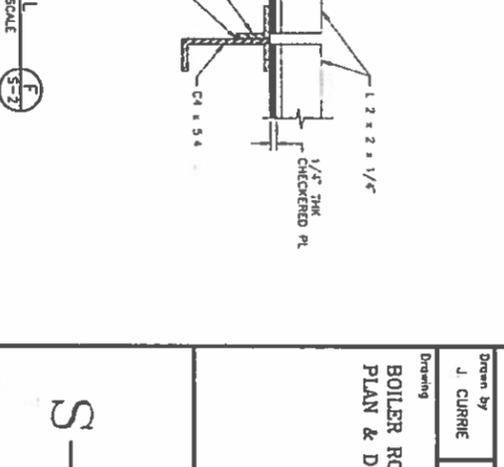
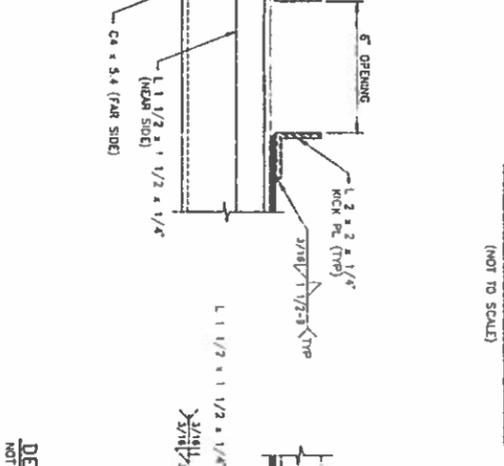
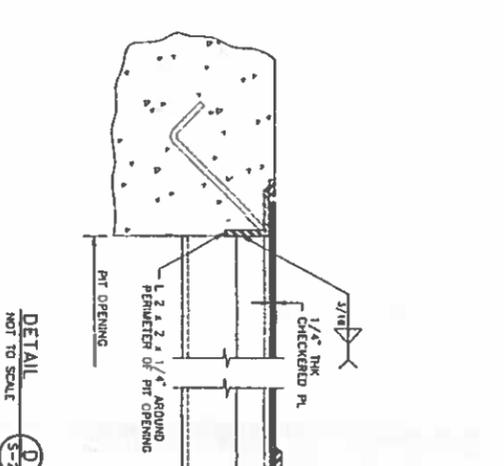
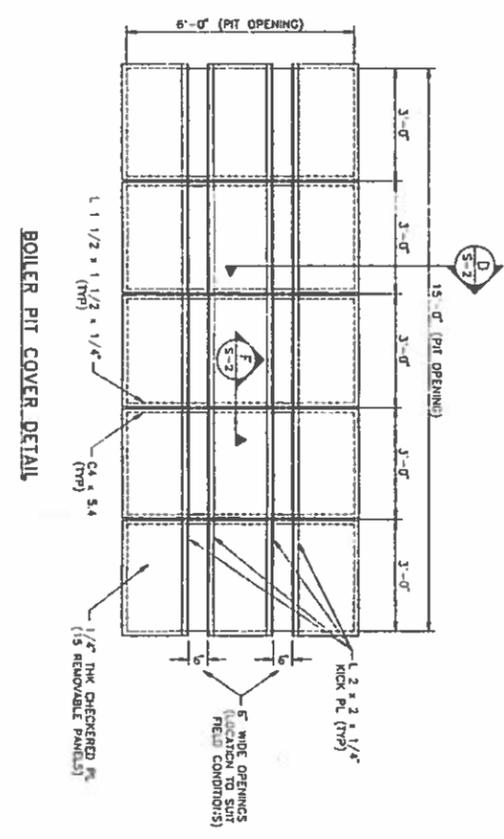
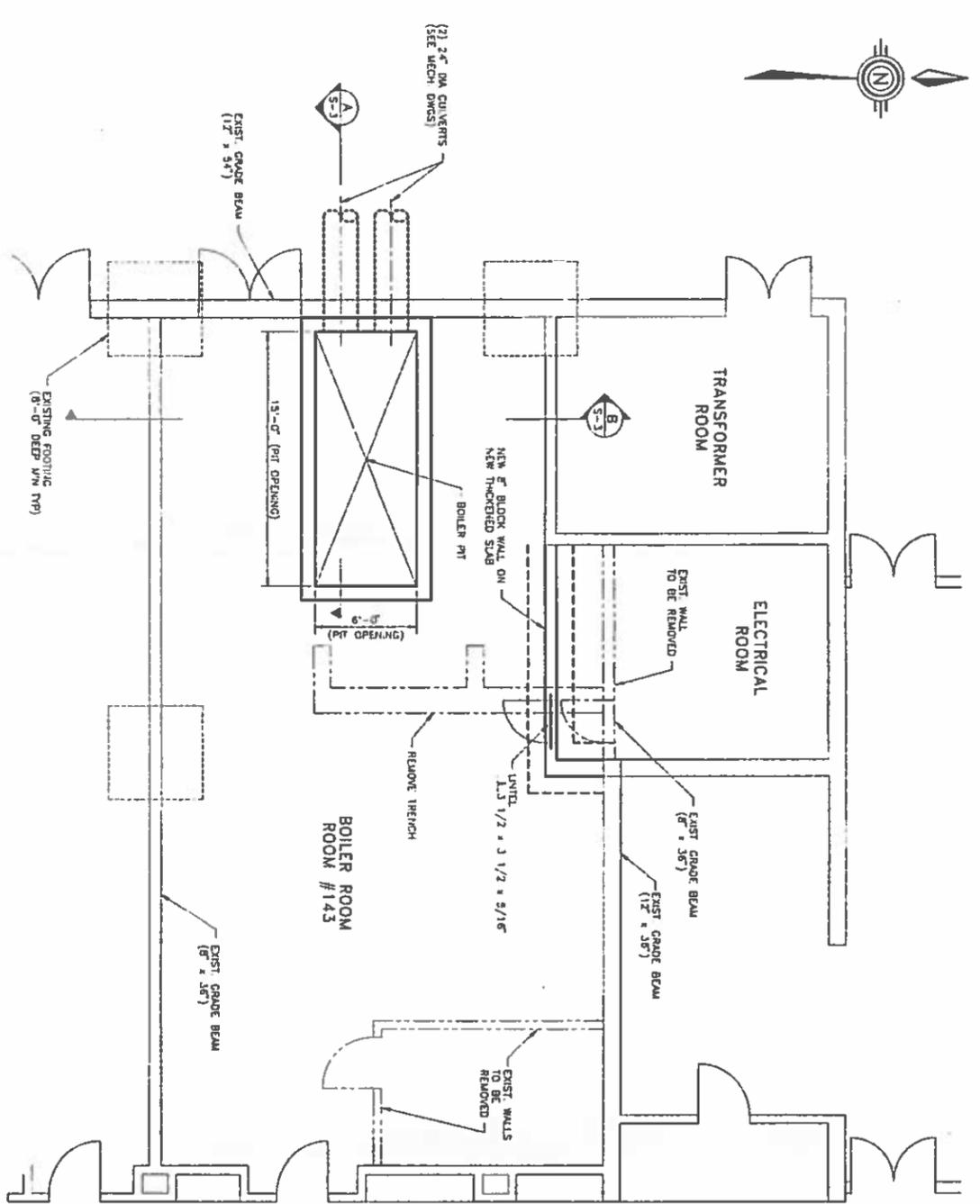


YUSKA MONTGOMERY & ASSOCIATES
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
509 LAKE DRIVE
SCARBOROUGH, ONT. M1V 2T5
Tel: (416) 291-7241
Fax: (416) 291-4823

L.C.R.C.S.S.B.
ST. PATRICK'S SCHOOL
H.V.A.C. UPGRADE

Project name: LAMBERTON ONTARIO
Project number: 94-118
Scale: AS NOTED
Drawing by: K.D.
Drawing no: M4

Second Floor Mezzanine Plan



- NOTES:**
- (1) EXISTING TRENCH TO BE DEMOLISHED AND FLOOR MADE GOOD.
 - (2) EXISTING HOUSE KEEPING PADS TO BE REMOVED AND FLOOR SLABS MADE GOOD (AS REQUIRED).
 - (3) PROVIDE NEW HOUSE KEEPING PADS AS REQUIRED FOR NEW EQUIPMENT.

| Revisions | No. | Date | Particulars |
|-----------|-----|------|------------------|
| | 0 | 2/92 | FOR APPROVAL |
| | 1 | 4/92 | FOR CONSTRUCTION |

T. K. GRAY & ASSOCIATES
 ENGINEERING LIMITED
 807 BONE ST. S.W., VAN. BC V1Z 1G1
 TEL: (604) 263-9800 FAX: (604) 263-9801
 CAN. REG. NO. 91-2723 B.C. REG. NO. 272355

| | | |
|----------------------------------|----|-----|
| ISSUED FOR CONSTRUCTION | NO | YES |
| ISSUED FOR APPROVAL | NO | YES |
| RENDER ONLY NOT FOR CONSTRUCTION | NO | YES |

Stamp: **REGISTERED PROFESSIONAL ENGINEER**
T. K. GRAY
 No. 91-2723

Project: L.C.R.C.S.S.B. ST. PATRICK'S SCHOOL RENOVATIONS
 Location: SARHUA
 Client: LAMBTON R.C.S.S.B.
 Project No: 91-2723
 Date: FEB 1992
 Scale: 1/4" = 1'-0"
 Drawn by: J. CURRIE
 Checked by: S. MITCHELL

Drawing: **BOILER ROOM PIT PLAN & DETAILS**
 S-2

Boiler Room Plan